Illustrated Parts Manual

Models

534D-9
534D-10

534D-9
SN 0544001 through 0744407 &
0160000112 to Present

534D-10
SN 0366001 through 0366533 &
0160000125 to Present

91344005

November 1, 2023 - Rev O

An Oshkosh Corporation Company

EFFECTIVITY PAGE

October 8, 2004 - A - Revised Manual

December 30, 2004 - B - Revised Manual

September 30, 2005 - C - Revised Manual

May 19, 2006 - D - Revised Manual

August 25, 2006 - E - Revised Manual

February 23, 2007 - F - Revised Manual

July 6, 2007 - G - Revised Manual

May 16, 2008 - H - Revised Manual

November 25, 2008 - I - Revised Manual

February 12, 2010 - J - Revised Manual

May 30, 2012 - K - Revised Manual

October 5, 2012 - L - Revised Manual

April 2, 2014 - M - Revised Manual

September 6, 2017 - N - Revised Manual

November 1, 2023 - O - Revised Manual

TABLE OF CONTENTS

SECTION 1 - FRAME AND ATTACHING PARTS 13

FIGURE 1-1. FRAME SHROUDING AND TRIM (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 14
FIGURE 1-2. FRAME SHROUDING AND TRIM (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816, Excluding 0160035696) 18
FIGURE 1-3. FRAME SHROUDING AND TRIM (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 22
FIGURE 1-4. REAR AXLE AND ATTACHING PARTS (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 26
FIGURE 1-5. REAR AXLE AND ATTACHING PARTS (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 30
FIGURE 1-6. FRONT AXLE MOUNTING (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 34
FIGURE 1-7. FRONT AXLE MOUNTING (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 36
FIGURE 1-8. OUTRIGGER MOUNTING (534D-10 Prior to SN 0160035696) 38
FIGURE 1-9. OUTRIGGER MOUNTING (534D-10 SN 0160035696 to Present) 40

SECTION 2 - BOOM 43

FIGURE 2-1. FIRST BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088) 44
FIGURE 2-2. FIRST BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present) 46
FIGURE 2-3. SECOND BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088) 48
FIGURE 2-4. SECOND BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present) 50
FIGURE 2-5. THIRD BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088) 52
FIGURE 2-6. THIRD BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present) 54
FIGURE 2-7. QUICK SWITCH ASSEMBLY (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 56
FIGURE 2-8. QUICK SWITCH ASSEMBLY (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 58
FIGURE 2-9. BOOM CROSS SECTION/PUSH BEAM PIN - 40 FT & 45 FT BOOM 60
FIGURE 2-10. EXTENSION AND RETRACTION CABLES (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088) 62
FIGURE 2-11. EXTENSION AND RETRACTION CABLES (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present) 64

SECTION 3 - ATTACHMENTS 67

FIGURE 3-1. BUCKETS 68
FIGURE 3-2. TILT CARRIAGE (534D-9 Prior to SN 0160023516, Excluding 0160023201, 0160023202, 0160023156, 0160023465 and 0160023467; 534D-10 Prior to SN 0160023235, Excluding 0160023157, 0160023231 and 0160023234) 70
FIGURE 3-3. TILT CARRIAGE (534D-9 SN 0160023516 to Present, Including 0160023201, 0160023202, 0160023156, 0160023465 and 0160023467; 534D-10 SN 0160023235 to Present, Including 0160023157, 0160023231 and 0160023234) 72
FIGURE 3-4. TRUSS BOOM (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 74
FIGURE 3-5. TRUSS BOOM (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 76
FIGURE 3-6. TRUSS BOOM W/WINCH (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 78
FIGURE 3-7. TRUSS BOOM W/WINCH (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 82
FIGURE 3-8. 6 FT VERTICAL MAST (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 84
FIGURE 3-9. 48 IN SLOPE PILER CARRIAGE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 88
FIGURE 3-10. 66 IN SLOPE PILER CARRIAGE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 90
FIGURE 3-11. 100, SWING FORK (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 92
FIGURE 3-12. QUICK HOOK ASSEMBLY 96
FIGURE 3-13. FORK MOUNTED LIFTING HOOK (PRIOR TO SN 2005134-01) 98
FIGURE 3-14. FORK MOUNTED LIFTING HOOK (SN 2005134-01 TO PRESENT) 100
FIGURE 3-15. 6 FT SWING MAST W/SIDE SHIFT (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 102
FIGURE 3-16. 100, DRYWALL SWING FORK ASSEMBLY (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 108
FIGURE 3-17. SHEET MATERIAL HANDLER (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 112
FIGURE 3-18. SIDE TILT CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 114
FIGURE 3-19. 180, SWING CARRIAGE (534D-9 Prior to SN 0160023516; 534D-10 Prior to SN 0160023231) 116
FIGURE 3-20. 180, SWING CARRIAGE (534D-9 SN 0160023516 through 0160038518; 534D-10 SN 0160023231 through 0160038444) 120
FIGURE 3-21. 180, SWING CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 124
FIGURE 3-22. 90, SWING CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 128
FIGURE 3-23. FORKS 130
FIGURE 3-24. PERSONNEL PLATFORM 132
FIGURE 3-25. FORK MOUNTED PLATFORM 136
FIGURE 3-26. FORK PIN LOCK INSTALLATION (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 140
FIGURE 3-27. GRAPPLE BUCKET (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 142

TABLE OF CONTENTS

FIGURE 3-28. 8 FT STANDARD MAST (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 144
FIGURE 3-29. 8 FT SIDE TILT ELECTRIC MAST (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 148

SECTION 4 - ENGINE AND ATTACHING PARTS 153

FIGURE 4-1. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544001 through 0544084) 154
FIGURE 4-2. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544085 through 0544216) 158
FIGURE 4-3. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544217 through 0544717) 162
FIGURE 4-4. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700) 166
FIGURE 4-5. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160001051 through 0160010202; Including 0160000700, Excluding 0160010082 and 0160010093) 170
FIGURE 4-6. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366001 through 0366016) 174
FIGURE 4-7. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366017 through 0366053) 178
FIGURE 4-8. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366054 through 0366187) 182
FIGURE 4-9. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974) 186
FIGURE 4-10. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816) 190
FIGURE 4-11. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 194
FIGURE 4-12. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544001 through 0544084) 198
FIGURE 4-13. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544085 through 0544216) 202
FIGURE 4-14. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544217 through 0544717) 206
FIGURE 4-15. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700) 210
FIGURE 4-16. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160001051 through 0160010202; Including 0160000700, Excluding 0160010082 and 0160010093) 214
FIGURE 4-17. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366001 through 0366016) 218
FIGURE 4-18. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366017 through 0366053) 222
FIGURE 4-19. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366054 through 0366187) 226
FIGURE 4-20. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974) 230
FIGURE 4-21. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816) 234
FIGURE 4-22. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 238
FIGURE 4-23. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544001 through 0544084) 240
FIGURE 4-24. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544085 through 0544216) 242
FIGURE 4-25. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544217 through 0544717) 244
FIGURE 4-26. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700) 246
FIGURE 4-27. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160001051 through 0160010202; Including 0160000700 and , Excluding 0160010082 and 0160010093) 248
FIGURE 4-28. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366001 through 0366016) 250
FIGURE 4-29. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366017 through 0366053) 252
FIGURE 4-30. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366054 through 0366187) 254
FIGURE 4-31. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974) 256
FIGURE 4-32. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816) 258
FIGURE 4-33. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 260
FIGURE 4-34. JOHN DEERE ENGINE (534D-9 SN 0160001051 through 0160007529, Including 0160000700; 534D-10 SN 0160000978 to Present) 262
FIGURE 4-35. JOHN DEERE ENGINE (534D-9 SN 0160007595 through 0160010202; Excluding 0160010082 and 0160010093) 264
FIGURE 4-36. JOHN DEERE ENGINE (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160007725 through 0160034816) 266
FIGURE 4-37. CUMMINS ENGINE (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 268
FIGURE 4-38. FUEL TANK LINES (534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696) 270
FIGURE 4-39. FUEL TANK LINES (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 272
FIGURE 4-40. RADIATOR ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 274

FIGURE 4-41. RADIATOR ASSEMBLY (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816) 276
FIGURE 4-42. RADIATOR ASSEMBLY (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 278
FIGURE 4-43. AIR CLEANER PIPING (534D-9 SN 0544001 through 0544399) 280
FIGURE 4-44. AIR CLEANER PIPING (534D-10 SN 0366001 through 0366342) 282
FIGURE 4-45. AIR CLEANER PIPING (534D-9 SN 0544400 through 0160000853, Excluding 0160000700; 534D-10 SN 0366343 through 0160000974) 284
FIGURE 4-46. AIR CLEANER PIPING (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816) 286
FIGURE 4-47. AIR CLEANER PIPING (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 288
FIGURE 4-48. AIR CLEANER (534D-9 SN 0544001 through 0544399; 534D-10 SN 0366001 through 0366342) 290
FIGURE 4-49. 9IN AIR CLEANER (534D-9 SN 0544400 through 0744407, SN 0160000112 through 0160035941, Excluding 0160034957; 534D-10 SN 0366343 through 0366533, SN 0160000125 through 0160034816) 292
FIGURE 4-50. AIR CLEANER (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 294
FIGURE 4-51. EXHAUST SYSTEM (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 296
FIGURE 4-52. EXHAUST SYSTEM (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816) 298
FIGURE 4-53. EXHAUST SYSTEM (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 300

SECTION 5 - DRIVE TRAIN 303

FIGURE 5-1. FRONT AXLE ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 304
FIGURE 5-2. FRONT AXLE - ROCKWELL (534D-9 SN 0544001 through 0744134; 534D-10 SN 0366001 through 0366488) 306
FIGURE 5-3. FRONT AXLE - ROCKWELL (534D-9 SN 0744135 through 0160000446; 534D-10 SN 0366489 through 0160000446) 308
FIGURE 5-4. LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 310
FIGURE 5-5. BRAKE ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0744134; 534D-10 SN 0366001 through 0366488) 312
FIGURE 5-6. BRAKE ASSEMBLY - ROCKWELL (534D-9 SN 0744135 through 0160000446; 534D-10 SN 0366489 through 0160000446) 314
FIGURE 5-7. CARRIER ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 316
FIGURE 5-8. FRONT AXLE ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 320
FIGURE 5-9. FRONT AXLE - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 322
FIGURE 5-10. AXLE HOUSING ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 324
FIGURE 5-11. BRAKE ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 326
FIGURE 5-12. CARRIER ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 328
FIGURE 5-13. REAR STEERING AXLE DRIVE HUB (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 332
FIGURE 5-14. REAR STEERING AXLE DRIVE HUB (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 334
FIGURE 5-15. TIRES AND RIMS (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 336
FIGURE 5-16. TIRES AND RIMS (534D-9 SN 0160000447 to Present) 338
FIGURE 5-17. TIRES AND RIMS (534D-10 SN 0160000448 to Present) 340

SECTION 6 - CAB 343

FIGURE 6-1. OPEN CAB (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289) 344
FIGURE 6-2. OPEN CAB (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289) 346
FIGURE 6-3. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 348
FIGURE 6-4. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0160001051 through 0160012394, Including 0160000700, Excluding 0160012112) 352
FIGURE 6-5. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012392 to Present, Including 0160012289) 356

TABLE OF CONTENTS

FIGURE 6-6. CAB ENCLOSURE KIT (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289) 360
FIGURE 6-7. CAB ENCLOSURE KIT (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289) 366
FIGURE 6-8. DASH PANEL ASSEMBLY 370
FIGURE 6-9. GAUGE PANEL ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 372
FIGURE 6-10. GAUGE PANEL ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 374
FIGURE 6-11. WINDSHIELD/TOP WINDOW KIT INSTALLATION 376
FIGURE 6-12. SKYLIGHT WIPER INSTALLATION 380

SECTION 7 - CONTROLS 383

FIGURE 7-1. BRAKE AND INCHING LINKAGE (534D-9 SN 0544001 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366001 through 0160000354) 384
FIGURE 7-2. BRAKE AND INCHING LINKAGE (534D-9 SN 0160000319 through 0160012394, Excluding 0160000335, 0160000337, 0160000341 and 0160012112; 534D-10 SN 0160000355 through 0160012392, Excluding 0160012289) 388
FIGURE 7-3. BRAKE AND INCHING LINKAGE (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289) 392
FIGURE 7-4. ACCELERATOR PEDAL ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 396
FIGURE 7-5. ACCELERATOR PEDAL ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 398
FIGURE 7-6. STEERING COLUMN AND ATTACHING PARTS 400
FIGURE 7-7. CAB RIGHT SIDE CONTROLS 402
FIGURE 7-8. JOYSTICK ASSEMBLY 404
FIGURE 7-9. CAB LEFT SIDE CONTROLS (534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present) 406
FIGURE 7-10. CYBERTECH 5-BUTTON JOYSTICK CONTROLLER (534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present) 410

SECTION 8 - HYDRAULIC CIRCUITS 413

FIGURE 8-1. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054) 414
FIGURE 8-2. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974) 418
FIGURE 8-3. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 422
FIGURE 8-4. DUMP CIRCUIT (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054) 426
FIGURE 8-5. DUMP CIRCUIT (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974) 430
FIGURE 8-6. DUMP CIRCUIT (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 434
FIGURE 8-7. FRONT DRIVE CIRCUIT 438
FIGURE 8-8. REAR DRIVE CIRCUIT (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054) 440
FIGURE 8-9. REAR DRIVE CIRCUIT (534D-9 SN 0544218 through 0160000446; 534D-10 SN 0366055 through 0160000446) 444
FIGURE 8-10. REAR DRIVE CIRCUIT (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present) 448
FIGURE 8-11. INCHING AND PARKING BRAKE LINES 454
FIGURE 8-12. LIFT CYLINDER 456
FIGURE 8-13. CROWD CYLINDER 458
FIGURE 8-14. TILT AND COMPENSATING CYLINDERS (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088) 460
FIGURE 8-15. TILT AND COMPENSATING CYLINDERS (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present) 462
FIGURE 8-16. SWAY CYLINDER 464
FIGURE 8-17. STEERING CYLINDER (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 466
FIGURE 8-18. STEERING CYLINDER (534D-9 SN 0160001051 through 0160001975, Including 0160000700, Excluding 0160001779; 534D-10 SN 0160000978 through 0160002009, Excluding 0160001794 and 0160001800) 468
FIGURE 8-19. STEERING CYLINDER (534D-9 SN 0160002037 to Present, Including 0160001779; 534D-10 SN 0160002048 to Present, Including 0160001794 and 0160001800) 470
FIGURE 8-20. JOYSTICK CIRCUIT 472
FIGURE 8-21. OUTRIGGER CYLINDER (534D-10 SN 0366001 through 0366533; SN 0160000125 through 0160000974) 474
FIGURE 8-22. OUTRIGGER CYLINDER (534D-10 SN 0160000978 to Present) 476
FIGURE 8-23. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054) 478

FIGURE 8-24. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974) 480
FIGURE 8-25. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 482
FIGURE 8-26. AUXILIARY HYDRAULICS (SN 0160027771 through 0160037688) 484
FIGURE 8-27. AUXILIARY HYDRAULICS (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 488

SECTION 9 - HYDRAULIC COMPONENTS 491

FIGURE 9-1. TILT CYLINDER (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245) 492
FIGURE 9-2. TILT CYLINDER (534D-9 SN 0160033414 through 0160038518; 534D-10 SN 0160033245 through 0160038444) 494
FIGURE 9-3. TILT CYLINDER (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 496
FIGURE 9-4. CROWD CYLINDER (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088) 498
FIGURE 9-5. CROWD CYLINDER (534D-9 SN 0644118 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366089 through 0366533, SN 0160000125 through 0160017312) 500
FIGURE 9-6. CROWD CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present) 502
FIGURE 9-7. LIFT CYLINDER (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 0160017312) 504
FIGURE 9-8. LIFT CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present) 506
FIGURE 9-9. COMPENSATING CYLINDER (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245) 508
FIGURE 9-10. COMPENSATING CYLINDER (534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present) 510
FIGURE 9-11. SWAY CYLINDER ASSEMBLY (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245) 512
FIGURE 9-12. SWAY CYLINDER ASSEMBLY (534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present) 514
FIGURE 9-13. STEERING CYLINDER (534D-9 SN 0544001 through 0160001975, Excluding 0160001779; 534D-10 SN 0366001 through 0160002009, Excluding 0160001794 and 0160001800) 516
FIGURE 9-14. STEERING CYLINDER (534D-9 SN 0160002037 through 0160032945, Including 0160001779; 534D-10 SN 0160002048 through 0160032847, Including 0160001794; Including 0160001800) 518
FIGURE 9-15. STEERING CYLINDER (534D-9 SN 0160033136 to Present; 534D-10 SN 0160033245 to Present) 520
FIGURE 9-16. THERMAL BYPASS VALVE ASSEMBLY 522
FIGURE 9-17. OUTRIGGER CYLINDER (534D-10 SN 0366001 through 0366533; SN 0160000125 through 0160017312) 524
FIGURE 9-18. OUTRIGGER CYLINDER (534D-10 SN 0160017511 through 0160038773) 526
FIGURE 9-19. OUTRIGGER CYLINDER FOR SERVICE ONLY 528
FIGURE 9-20. FLOW DIVIDER ASSEMBLY 530
FIGURE 9-21. BRAKE VALVE (534D-9 SN 0544001 through 0644895; 534D-10 SN 0366001 through 0366470) 532
FIGURE 9-22. BRAKE VALVE (534D-9 SN 0644896 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366471 through 0160000354) 534
FIGURE 9-23. BRAKE VALVE (534D-9 SN 0160000319 to Present, Excluding 0160000335, 0160000337 and 0160000341; 534D-10 SN 0160000355 to Present) 536
FIGURE 9-24. SOLENOID VALVE 538
FIGURE 9-25. SWAY CYLINDER VALVE 540
FIGURE 9-26. OUTRIGGER CYLINDER VALVE (534D-10 SN 0366001 through 0366553; SN 0160000125 through 0160038773) 542
FIGURE 9-27. INCHING VALVE (534D-9 SN 0544001 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366001 through 0160000354) 544
FIGURE 9-28. INCHING VALVE (534D-9 SN 0160000319 to Present, Excluding 0160000335, 0160000337 and 0160000341; 534D-10 SN 0160000355 to Present) 546
FIGURE 9-29. MAIN CONTROL VALVE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 548
FIGURE 9-30. MAIN CONTROL VALVE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present) 552
FIGURE 9-31. HYDRAULIC RESERVOIR AND FILTERS 554
FIGURE 9-32. FRONT DRIVE MOTOR 556
FIGURE 9-33. MAIN HYDRAULIC PUMP 558
FIGURE 9-34. HYDROSTATIC TRANSMISSION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 560
FIGURE 9-35. HYDROSTATIC TRANSMISSION (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 562
FIGURE 9-36. TRACTION LOCK VALVE 564
FIGURE 9-37. REAR DRIVE MOTOR 566
FIGURE 9-38. TRUSS BOOM WINCH (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 568
FIGURE 9-39. WINCH MOTOR (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 572
FIGURE 9-40. CROSSOVER VALVE 574
FIGURE 9-41. OUTRIGGER VALVE - 534D-10 576
FIGURE 9-42. OPTIONAL STABILIZER VALVE ASSEMBLY (534D-9 SN 0544001 through 0544009; 534D-10 SN 0366001 through 0366233) 578
FIGURE 9-43. OPTIONAL STABILIZER VALVE ASSEMBLY (534D-9 SN 0544010 to Present; 534D-10 SN 0366234 to Present) 580

TABLE OF CONTENTS

FIGURE 9-44. STABILIZER CYLINDER (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 016001731) 582
FIGURE 9-45. STABILIZER CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)....584
FIGURE 9-46. QUICK START CYLINDER AND VALVE ASSEMBLY 586
FIGURE 9-47. 180, SWING CARRIAGE CYLINDER 588
FIGURE 9-48. 72 IN 90, SWING CARRIAGE CYLINDER 590
FIGURE 9-49. SIDE TILT CARRIAGE CYLINDER 592
FIGURE 9-50. SIDE TILT CARRIAGE CYLINDER 594
FIGURE 9-51. GRAPPLE BUCKET CYLINDER 596

SECTION 10 - ELECTRICAL 599

FIGURE 10-1. BATTERY AND CABLES (534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)....600
FIGURE 10-2. BATTERY AND CABLES (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 602
FIGURE 10-3. ENGINE HARNESS ASSEMBLY (534D-9 SN 0544217 through 0160000853, Excluding 0160000700; 534D-10 SN 0366054 through 0160000974) 606
FIGURE 10-4. ENGINE HARNESS ASSEMBLY (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816) 608
FIGURE 10-5. ENGINE HARNESS ASSEMBLY (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present) 610
FIGURE 10-6. DASH HARNESS ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 612
FIGURE 10-7. DASH HARNESS ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 614
FIGURE 10-8. ECU ENGINE HARNESS (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)....616
FIGURE 10-9. AUXILIARY ELECTRICAL INSTALLATION (SN 0160027771 to Present)....618
FIGURE 10-10. AUXILIARY ELECTRICAL HARNESSES (SN 0160027771 to Present) 622

SECTION 11 - DECALS 625

FIGURE 11-1. FRAME DECALS - 534D-9 (534D-9 SN 0544001 through 0644118)....626
FIGURE 11-2. FRAME DECALS - 534D-9 (534D-9 SN 0644119 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700) 630
FIGURE 11-3. FRAME DECALS - 534D-9 (534D-9 SN 0160001051 through 0160003958) 632
FIGURE 11-4. FRAME DECALS - 534D-9 (534D-9 SN 0160003965 to Present)....634
FIGURE 11-5. FRAME DECALS - 534D-10 (534D-10 SN 0366001 through 0366088)....638
FIGURE 11-6. FRAME DECALS - 534D-10 (534D-10 SN 0366089 through 0366533; SN 0160000125 through 0160000974) ...640
FIGURE 11-7. FRAME DECALS - 534D-10 (534D-10 SN 0160000978 through 0160003933) 644
FIGURE 11-8. FRAME DECALS - 534D-10 (534D-10 SN 0160003987 to Present)....648
FIGURE 11-9. BOOM DECALS (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088) 652
FIGURE 11-10. BOOM DECALS - 534D-9 (534D-9 SN 0644119 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700) 654
FIGURE 11-11. BOOM DECALS - 534D-9 (534D-9 SN 0160001051 through 0160012548; Including 0160000700) 656
FIGURE 11-12. BOOM DECALS - 534D-10 (534D-10 SN 0366089 through 0366533; SN 0160000125 through 0160000974) ..658
FIGURE 11-13. BOOM DECALS - 534D-10 (534D-10 SN 0160000978 through 0160012554)....660
FIGURE 11-14. BOOM DECALS - 534D-10 (534D-9 SN 0160012580 to Present; 534D-10 SN 0160012572 to Present, Including 0160012289)....662

SECTION 12 - OPTIONS 665

FIGURE 12-1. AUXILIARY HYDRAULIC W/ELECTRONIC ASSEMBLY (Prior to SN 0160027771)....666
FIGURE 12-2. STABILIZER OPTION (534D-9 SN 0544001 through 0544009; 534D-10 SN 0366001 through 0366233) 670
FIGURE 12-3. STABILIZER OPTION (534D-9 SN 0544010 to Present; 534D-10 SN 0366234 to Present)....672
FIGURE 12-4. AUXILIARY HYDRAULICS FIELD KIT - 40 FT BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089)....674
FIGURE 12-5. FOAM TIRE OPTION (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) .678
FIGURE 12-6. FOAM TIRE OPTION (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)....680
FIGURE 12-7. LH SWAY (Prior to SN 0160027771) 682
FIGURE 12-8. AUXILIARY HYDRAULICS AND SWAY ASSEMBLY - 40 IN BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089) 684
FIGURE 12-9. BLOCK HEATER (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)....688
FIGURE 12-10. BLOCK HEATER (534D-9 SN 0160007051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present) 690

FIGURE 12-11. HYDRAULIC RESERVOIR HEATER INSTALLATION 692
FIGURE 12-12. TILT ON JOYSTICK INSTALLATION 694
FIGURE 12-13. OVERHEAD WINDOW 698
FIGURE 12-14. WORK LIGHT PACKAGE (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289) 700
FIGURE 12-15. WORK LIGHT PACKAGE (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289) 704
FIGURE 12-16. RH TILT/SWAY (Prior to SN 0160027771) 708
FIGURE 12-17. WINCH INSTALLATION - 534D-9 40 FT BOOM (534D-9 SN 0544001 through 0644118) 710
FIGURE 12-18. WINCH INSTALLATION - 534D-10 40 FT BOOM (534D-10 SN 0366001 through 0366088) 714
FIGURE 12-19. WINCH (534D-9 Prior to SN 0544532; 534D-10 Prior to SN 0366143) 718
FIGURE 12-20. WINCH (534D-9 SN 0544532 to Present; 534D-10 SN 0366143 to Present) 722
FIGURE 12-21. DUAL P.O. CHECK VALVE 726
FIGURE 12-22. SWING CYLINDER (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445) 728
FIGURE 12-23. SWING VALVE ASSEMBLY 730
FIGURE 12-24. SWAY CYLINDER 732
FIGURE 12-25. MAIN CONTROL VALVE - 534D-9 (534D-9 Prior to SN 0160027771) 734
FIGURE 12-26. MAIN CONTROL VALVE - 534D-10 (534D-10 Prior to SN 0160027772) 736
FIGURE 12-27. CAB HEATER OPTION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974) 738
FIGURE 12-28. CAB HEATER OPTION (534D-9 SN 0160001051 through 0160035941, Including 0160000700; 534D-10 SN 0160000978 through 0160035696) 742
FIGURE 12-29. CAB HEATER OPTION (534D-9 SN 0160035983 to Present; 534D-10 SN 0160036044 to Present) 746
FIGURE 12-30. LH TILT ASSEMBLY (Prior to SN 0160027771) 750
FIGURE 12-31. LH TILT/SWAY ASSEMBLY (Prior to SN 0160027771) 752
FIGURE 12-32. AUXILIARY HYDRAULICS FIELD KIT - 534D-10 45 FT BOOM (534D-10 Prior to SN 0160027772) 754
FIGURE 12-33. AUXILIARY HYDRAULICS AND SWAY ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771) 758
FIGURE 12-34. AUX HYDRAULIC W/ELECTRICS ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771) 762
FIGURE 12-35. REAR AXLE ADVANTAGE KIT (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446) 766
FIGURE 12-36. AUXILIARY HYDRAULICS FIELD KIT - 40 FT BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089) 770
FIGURE 12-37. AUXILIARY HYD ELECTRONICS W/LH TILT/SWAY ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771) 774
FIGURE 12-38. AUXILIARY HYDRAULICS ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771) 778
FIGURE 12-39. RH AUXILIARY HYDRAULIC ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771) 782
FIGURE 12-40. REAR AXLE STABILIZER FIELD KIT 786
FIGURE 12-41. 5-BUTTON AUXILIARY HANDLE ASSEMBLY (Prior to SN 0160027771) 790
FIGURE 12-42. WINCH INSTALLATION - 45 FT BOOM (Prior to SN 0160027771) 792
FIGURE 12-43. WINCH INSTALLATION - 45 FT BOOM (SN 0160027771 to Present) 794
FIGURE 12-44. AUXILIARY HYD ELECTRONICS W/LH TILT/SWAY (Prior to SN 0160027771) 796
FIGURE 12-45. ADJUSTABLE TILT ON JOYSTICK 800
FIGURE 12-46. FUEL/WATER SEPARATOR INSTALLATION 804
FIGURE 12-47. BEACON LIGHT PACKAGE (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160012694, Excluding 0160012704; 534D-10 SN 0366001 through 0366533; SN 534D through 10, SN 0160000128 through 0160012696, Excluding 0160012289) 806
FIGURE 12-48. BEACON LIGHT PACKAGE (534D-9 SN 0160012763 to Present, Including 0160012704; 534D-10 SN 0160012758 to Present, Including 0160012289) 808
FIGURE 12-49. CAB REPLACEMENT SERVICE KIT 810
FIGURE 12-50. STARTER KIT (534D-9 SN 0160006861 to Present; 534D-10 SN 0160006855 to Present) 812
FIGURE 12-51. PINTLE HOOK INSTALLATION 814
FIGURE 12-52. COLD START INSTALLATION (SN 0160001166 to Present) 816

SECTION 13 - RECOMMENDED SPARE PARTS 819

FIGURE 13-1. RECOMMENDED SPARE PARTS 820

PART NUMBER INDEX 825

SECTION 1 - FRAME AND ATTACHING PARTS

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME SHROUDING AND TRIM (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

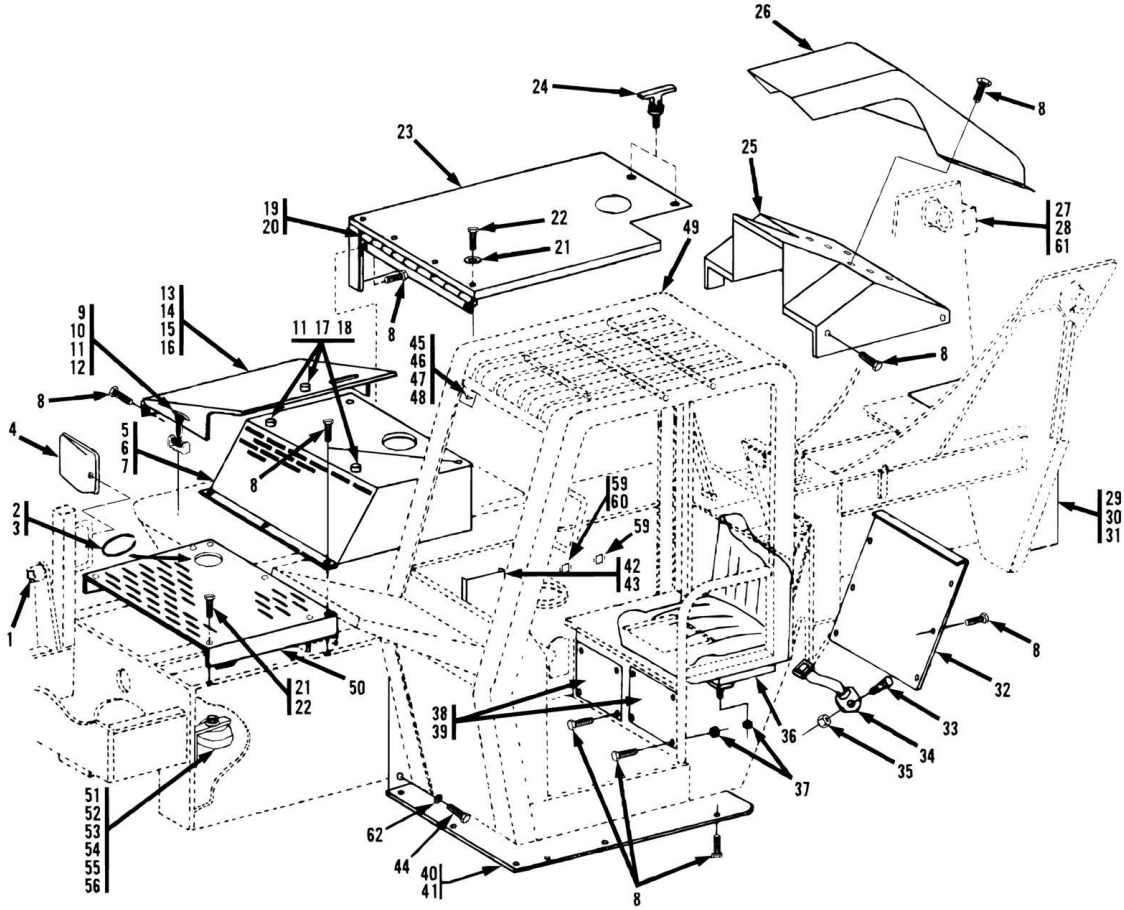


FIGURE 1-1. FRAME SHROUDING AND TRIM (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91146073	Ref	FRAME WELDMENT, (534D-9)	
	91156005	Ref	FRAME WELDMENT, (534D-10)	
	91143357	1	HORN ASSY, (includes items 51 & 52)	
	14404645	AR	T-9 METAL PROTECTANT, (12oz)	
	14404646	AR	T-9 METAL PROTECTANT, (1gal)	
	91143051	1	BUSHING	
2	90206194	61 in	TRIM-LOK	
3	14402248	AR	ADHESIVE	
4	83683291	1	MIRROR	
5	91366003	1	RADIATOR COVER	
6	91143346	1	RUBBER AIR DAM	
7	90200755	24 in	WEATHER STRIP	
8	77143003	50	WHIZ-LOCK SCREW, 5/16-18X5/8	
9	90207458	2	DRAW LATCH	
10	88301193	8	ROUND HD MACHINE SCREW, #10-32X1/2	
11	88551007	12	LOCKWASHER, #10	
12	88501613	4	HEX NUT, #10-32	
13	91366004	1	TANK COVER WELDMENT	
14	85211088	2	RUBBER BUMPER	
15	88301077	2	ROUND HD MACHINE SCREW, #8-32X1-1/4	
16	88521604	2	HEX LOCKNUT, #8-32	
17	91083173	4	RUBBER HD SCREW BUMPER	
18	88501612	4	HEX NUT, #10-24	
19	91141218	1	HINGE	
20	91143348	2	CLAMP BAR	
21	88561003	4	FLAT WASHER, 5/16	
22	91123124	4	WHIZ-LOCK SCREW, 5/16-18X1/2	
23	91366017	1	REAR ENGINE COVER	
24	91303021	2	T-HANDLE **(534D-9 SN 0544001 through 0160000333; 534D-10 SN 0366001 through 016000359)**	
24	91363210	2	T-HANDLE **(534D-9 SN 0160000477 through 0160000853; 534D-10 SN 0160000448 through 0160000974)**	
25	91146050	1	REAR COVER WELDMENT	
26	91366002	1	REAR COVER CENTER	
27	91403574	1	BACK-UP ALARM	
28	88201016	2	HEX HD CAPSCREW, 5/16-18x1/2, GR5	
29	91140001	1	COUNTERWEIGHT	
30	88201143	4	HEX HD CAPSCREW, 1-8X5, GR5, (torque to 545-595 ft lbs)	
31	88561011	4	WASHER, 1	
32	91141436	1	REAR CAB COVER	
33	88201050	2	HEX HD CAPSCREW, 7/16-14X1, GR5	
34	91033029	1	SEAT BELT, (not used with optional seat)	
35	88501007	2	HEX NUT, 7/16-14	
36	91033485	1	SEAT W/ARMREST, (std)	
36	91124107	1	SLIDE ADJ KIT, (use with std seat)	
36	91043237	1	GRAMMER SEAT, (opt)	
36	88201020	4	HEX HD CAPSCREW, 5/16-18X1, GR5, (use with opt seat)	
37	77143006	8	WHIZ- LOCKNUT, 5/16-18	
38	91081475	1	HEATER COVER PLATE	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	91141329	1	VALVE ACCESS COVER	
40	91361005	1	BELLY PAN	
41	91083533	10	FENDER WASHER, 1-1/2, OD	
42	91033102	1	MANUAL HOLDER **(534D-9 SN 0544001 through 0544834; 534D-10 SN 0366001 through 0366219)**	
42	91403230	1	MANUAL HOLDER **(Including 0544835 and 0366220)**	
43	77143013	4	WHIZ-LOCKNUT, 1/4-20	
44	83201158	4	HEX HD CAPSCREW, 7/8-9X1-3/4, (torque to 450-475 ft lbs)	
45		Ref	TILT GAUGE, (no longer available, use item 8466306 for service)	
45	8466306	1	TILT GAUGE, (w/adhesive)	
46	88204912	1	HEX HD CAPSCREW, 1/4-20X1	
47	88561107	1	FLAT WASHER, 1/4	
48	88521204	1	LOCKNUT, 1/4-20	
49		Ref	OPEN CAB, (See CAB SECTION for Breakdown)	
50	91361007	1	DECK COVER	
51	91144438	1	HORN	
52	91144439	1	HORN BRACKET	
53	86621230	3	SUPPORT CLAMP, (3 used to hold quick start wiring)	
54	77133177	1	HEX HD CAPSCREW, 5/16-18X1-3/8, GR5	
55	77133168	1	CLAMP SET	
56	77133140	1	COVER PLATE	
57	77143006	2	WHIZ-LOCKNUT, 5/16-18, (use with item 58), (not shown)	
58	91366006	1	HOSE GUARD, (located under dash panel, beneath steering column), (not shown) **(534D-9 SN 0544002 through 0544834; 534D-10 SN 0366001 through 0366219)**	
58	91363065	1	HOSE GUARD, (located under dash panel, beneath steering column), (,), (not shown) **(534D-9 SN 0544835 through 0160000853; 534D-10 SN 0366220 through 0160000974)**	
59	88261014	4	SOCKET BUTTON HD CAPSCREW, 1/4-20X1/2	
60	91146081	1	DIP-STICK COVER	
61	86683122	1	TIE WRAP	
62	4892500	4	HARDENED WASHER, 7/8	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. FRAME SHROUDING AND TRIM (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816, Excluding 0160035696)

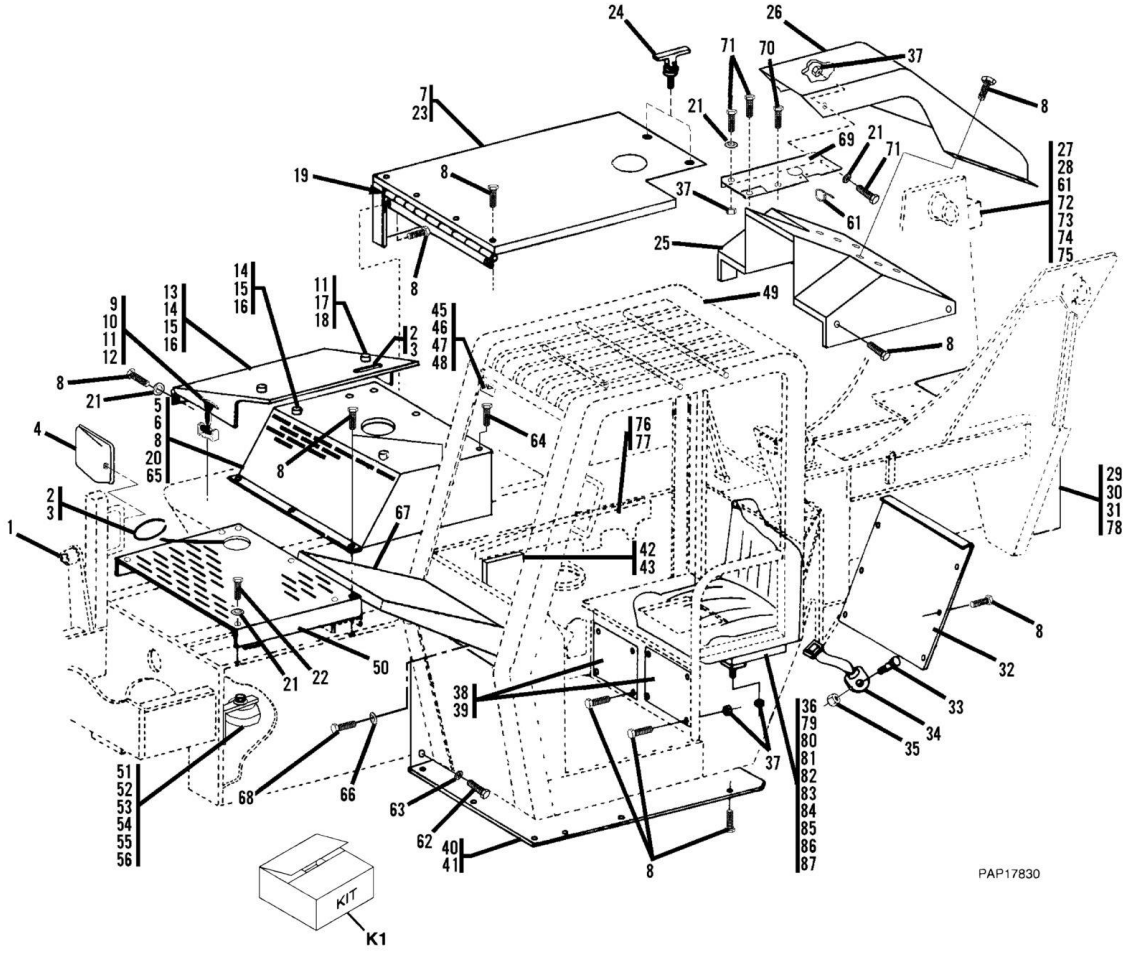


FIGURE 1-2. FRAME SHROUDING AND TRIM (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816, Excluding 0160035696)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91536001	Ref	FRAME WELDMENT, (534D-9)	
	91546001	Ref	FRAME WELDMENT, (534D-10)	
	91143357	1	HORN ASSY, (includes items 51 & 52)	
	14404645	AR	T-9 METAL PROTECTANT, (12oz)	
	14404646	AR	T-9 METAL PROTECTANT, (1gal)	
1	91143051	1	BUSHING	
2	90206194	61 in	TRIM-LOK	
3	14402248	AR	ADHESIVE	
4	83683291	1	MIRROR	
5	91536006	1	RADIATOR COVER	
6	91533006	1	RUBBER AIR DAM	
7	90200755	21 in	WEATHER STRIP	
8	77143003	59	WHIZ-LOCK SCREW, 5/16-18X5/8	
9	90207458	2	DRAW LATCH	
10	88301193	8	ROUND HD MACHINE SCREW, #10-32X1/2	
11	88551007	10	LOCKWASHER, #10	
12	88501613	4	HEX NUT, #10-32	
13	91366004	1	TANK COVER WELDMENT	
14	85211088	4	RUBBER BUMPER	
15	88301073	4	ROUND HD MACHINE SCREW, #8-32X1-3/4	
16	88521604	4	HEX LOCKNUT, #8-32	
17	91083173	2	RUBBER HD SCREW BUMPER	
18	88501612	2	HEX NUT, #10-24	
19	91141218	1	HINGE	
20	91143348	2	CLAMP BAR	
21	88561003	15	FLAT WASHER, 5/16	
22	91123124	4	WHIZ-LOCK SCREW, 5/16-18X1/2	
23	91536008	1	REAR ENGINE COVER	
24	91363210	2	T-HANDLE	
25	91146050	1	REAR COVER WELDMENT	
26	91536007	1	REAR COVER CENTER	
27		Ref	BACK-UP ALARM **(534D-9 Prior to SN 0160016762, Excluding 0160015300, 0160015301 and 0160015302; 534D-10 Prior to SN 0160016757)**	
27	8270621	1	BACK-UP ALARM **(534D-9 SN 0160016762 to Present, Including 0160015300, 0160015301 and 0160015302; 534D-10 SN 0160016757 to Present)**	
28	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5 **(534D-9 SN 0160016762 to Present, Including 0160015300, 0160015301 and 0160015302; 534D-10 SN 0160016757 to Present)**	
29	91140001	1	COUNTERWEIGHT, (no pintle hook)	
29	1001091458	1	COUNTERWEIGHT, (with pintle hook)	
30	88201143	4	HEX HD CAPSCREW, 1-8X5, GR5, (torque to 545-595 ft lbs)	
31	88561011	4	WASHER, 1	
32	91141436	1	REAR CAB COVER **(534D-9 SN 0160001051 through 0160012394, Including 0160000700, Excluding 0160012112; 534D-10 SN 0160000978 through 0160012392, Excluding 0160012289)**	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
32		Ref	REAR CAB COVER, (See CAB SECTION for Breakdown) **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
33	88201050	2	HEX HD CAPSCREW, 7/16-14X1, GR5 **(534D-9 Prior to SN 0160016105; 534D-10 Prior to SN 0160016100)**	
34	91033029	1	SEAT BELT, (not used with optional seat) **(534D-9 Prior to SN 0160016105; 534D-10 Prior to SN 0160016100)**	
35	88501007	2	HEX NUT, 7/16-14 **(534D-9 Prior to SN 0160016105; 534D-10 Prior to SN 0160016100)**	
36	91033485	1	SEAT W/ARMREST, (std) **(534D-9 Prior to SN 0160016105; 534D-10 Prior to SN 0160016100)**	
36	91563158	1	SUSPENSION SEAT W/2 IN SEAT BELT **(534D-9 SN 0160016105 to Present; 534D-10 SN 0160016100 to Present)**	E
36	1001101085	1	SUSPENSION SEAT W/2 IN SEAT BELT, (includes items 81 thru 87)	
36	7026904	1	ARMREST KIT	
36	91124107	1	SLIDE ADJ KIT, (use with std seat) **(534D-9 Prior to SN 0160016105; 534D-10 Prior to SN 0160016100)**	
36	91043237	1	GRAMMER SEAT, (opt) **(534D-9 Prior to SN 0160016105; 534D-10 Prior to SN 0160016100)**	
36	88201020	4	HEX HD CAPSCREW, 5/16-18X1, GR5, (use with opt seat) **(534D-9 Prior to SN 0160016105; 534D-10 Prior to SN 0160016100)**	
37	77143006	7	WHIZ-LOCKNUT, 5/16-18	
38	91081475	1	HEATER COVER PLATE **(534D-9 SN 0160001051 through 0160012394, Including 0160000700, Excluding 0160012112; 534D-10 SN 0160000978 through 0160012392, Excluding 0160012289)**	
38		Ref	HEATER COVER PLATE, (See CAB SECTION for Breakdown) **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
39	91141329	1	VALVE ACCESS COVER **(534D-9 SN 0160001051 through 0160012394, Including 0160000700, Excluding 0160012112; 534D-10 SN 0160000978 through 0160012392, Excluding 0160012289)**	
39		Ref	VALVE ACCESS COVER, (See CAB SECTION for Breakdown) **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
40	91361005	1	BELLY PAN **(534D-9 SN 0160001051 through 0160012394, Including 0160000700, Excluding 0160012112; 534D-10 SN 0160000978 through 0160012392, Excluding 0160012289)**	
40		Ref	BELLY PAN, (See CAB SECTION for Breakdown) **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
41	91083533	10	FENDER WASHER, 1-1/2, OD	
42	91403230	1	MANUAL HOLDER	
43	77143013	4	WHIZ-LOCKNUT, 1/4-20	
44	77143006	2	WHIZ-LOCKNUT, 5/16-18, (use with item 58), (not shown)	
45		Ref	TILT GAUGE, (no longer available, use 8466306 for service) **(534D-9 SN 0160001051 through 0160005689; 534D-10 SN 0160000978 through 0160005679)**	
45	8466306	1	TILT GAUGE, (W/adhesive) **(534D-9 SN 0160005714 to Present; 534D-10 SN 0160005712 to Present)**	
46	88204912	1	HEX HD CAPSCREW, 1/4-20X1 **(534D-9 SN 0160001051 through 0160005689; 534D-10 SN 0160000978 through 0160005679)**	
47	88561107	1	FLAT WASHER, 1/4 **(534D-9 SN 0160001051 through 0160005689; 534D-10 SN 0160000978 through 0160005679)**	
48	88521204	1	LOCKNUT, 1/4-20 **(534D-9 SN 0160001051 through 0160005689; 534D-10 SN 0160000978 through 0160005679)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49		Ref	OPEN CAB, (See CAB SECTION for Breakdown)	
50	91361007	1	DECK COVER	
51	91144438	1	HORN	
52	91144439	1	HORN BRACKET	
53	86621230	1	SUPPORT CLAMP	
54	77133177	1	HEX HD CAPSCREW, 5/16-18X1-3/8, GR5	
55	77133168	1	CLAMP SET	
56	77133140	1	COVER PLATE	
58	91363065	1	HOSE GUARD, (not shown), (located under dash panel, beneath steering column)	
61	86683122	2	TIE WRAP	
62	83201158	4	HEX HD CAPSCREW, 7/8-9X1-3/4, GR8, (torque to 450-475 ft lbs)	
63	4892500	4	HARDENED WASHER, 7/8	
64	88261020	3	SOCKET BUTTON HD CAPSCREW, 5/16-18X1/2	
65	91531021	1	AIR DAM SUPPORT	
66	4751500	4	FLAT WASHER, 5/16 **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
67		Ref	FENDER, (See CAB SECTION for Breakdown)	
68	88201021	4	HEX HD CAPSCREW, 5/16-18X1-1/4 **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
69	91533007	1	RUBBER AIR DEFLECTOR	
70	0791512	1	WHIZ-LOK SCREW, 5/16-18x1-1/2	
71	91363018	4	WHIZ-LOK SCREW, 5/16-18x1	
72	8305624	2	HEX LOCKNUT, 1/4-20	
73	3576433	1	MOUNTING BAR	
74	4711400	2	FLAT WASHER, 1/4	
75	86683480	2	BUTT CONNECTOR	
76	91536016	1	SHEET METAL SUPPORT	
77	77143006	4	WHIZ-LOCKNUT, 5/16-18	
78	0100019	AR	LOCTITE, 271	
79	3311505	4	HEX LOCKNUT, 5/16-18 **(534D-9 SN 0160016105 to Present; 534D-10 SN 0160016100 to Present)**	
80	4711500	4	FLAT WASHER, 5/16 **(534D-9 SN 0160016105 to Present; 534D-10 SN 0160016100 to Present)**	
81	7026900	1	BACK CUSHION KIT	
82	7026902	1	BACK PANEL KIT	
83	7026905	1	SEAT BELT	
83	91565064	1	SEAT BELT, 3 IN, (California Only), (not included with std seat)	
84	7026906	1	TETHER KIT	
85	7026901	1	SEAT CUSHION KIT	
86	7026799	1	KNOB KIT	
87	7026798	1	SLIDE KIT	
K1	2915184	1	BACK-UP ALARM SERVICE KIT, (includes items 27, 28 & 72 thru 75)	A

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. FRAME SHROUDING AND TRIM (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

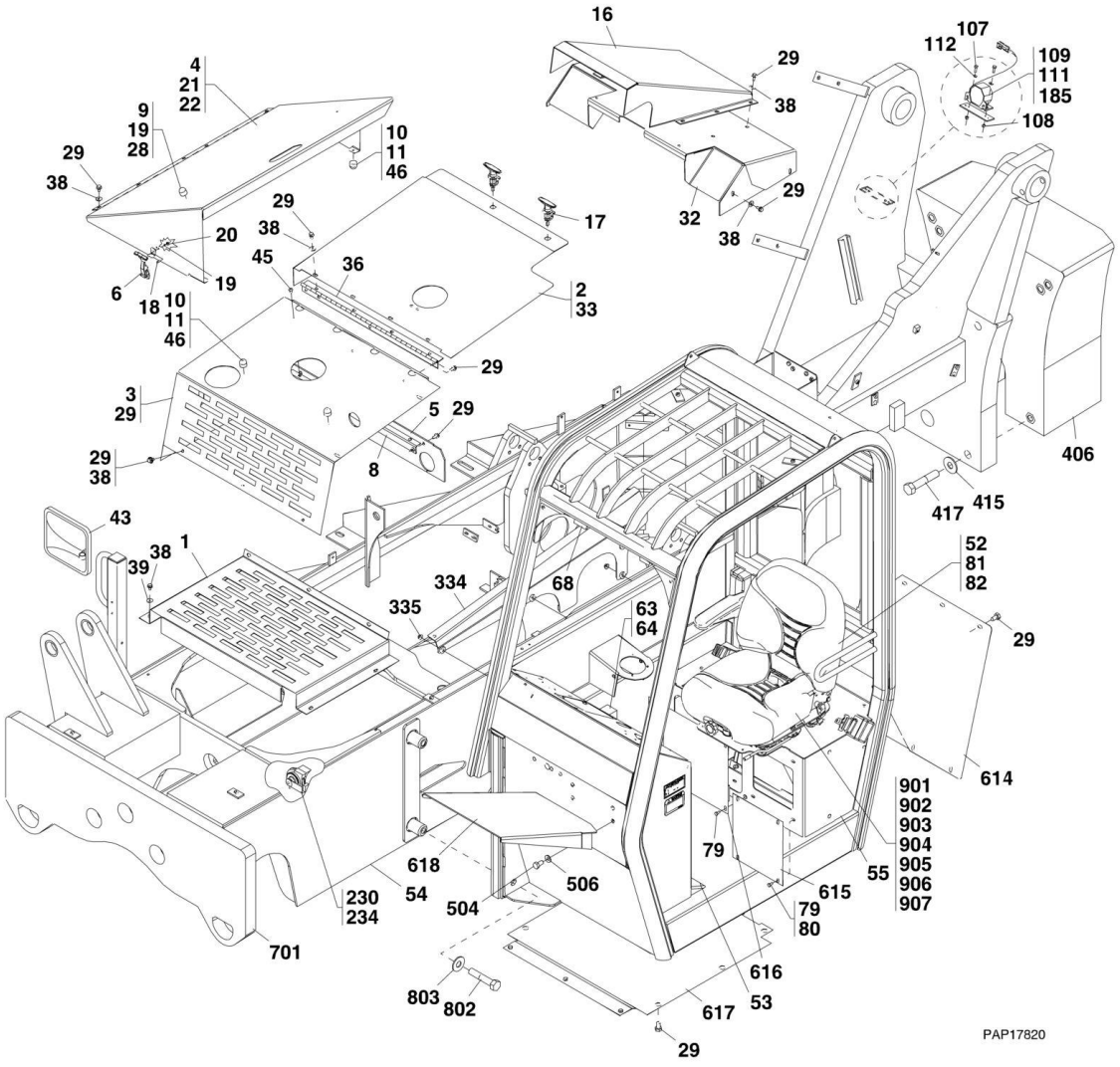


FIGURE 1-3. FRAME SHROUDING AND TRIM (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001099036	1	DECK COVER	
2	1001091065	1	REAR ENGINE COVER	
3	1001099034	1	RADIATOR COVER	
4	91366004	1	TANK COVER WELDMENT	
5	1001093467	1	RUBBER AIR DAM	
6	90207458	2	DRAW LATCH	
8	91531021	1	AIR DAM SUPPORT	
9	91083173	2	RUBBER BUMPER	
10	88301073	4	ROUND HD MACHINE SCREW, #8-32X3/4	
11	88521604	4	HEX LOCKNUT, #10-32	
16	91556016	1	REAR CENTER COVER	
17	91363210	2	T-HANDLE	
18	88301193	8	ROUND HEAD CAPSCREW, #10-32X1/2	
19	88551007	10	LOCKWASHER, #10	
20	88501613	4	HEX NUT, #10-32	
21	90206196	45 in	TRIM-LOK	
22	14402248	AR	3M ADHESIVE	
28	88501612	2	HEX NUT, #10-24	
29	0791505	60	WHIZ-LOCK SCREW, 5/16-18X5/8	
32	91146050	1	REAR COVER WELDMENT	
33	90200755	24 in	WEATHER STRIP	
36	91141218	1	HINGE	
38	4751500	28	FLAT WASHER, 5/16	
39	0791504	4	WHIZ-LOCK SCREW, 5/16-18X1/2	
43	83683291	1	MIRROR	
45	88261020	3	SOCKET BUTTON HD CAPSCREW, 5/16-18X1/2	
46	85211088	4	RUBBER BUMPER	
52	91563158	1	SUSPENSION SEAT W/2 IN SEAT BELT	G
52	1001101085	1	SUSPENSION SEAT W/2 IN SEAT BELT, (includes items 901 thru 909)	D
52	7026904	1	ARMREST KIT	
53	90206199	75 in	TRIM-LOK	
54	71492131	18 in	FLEX LOOM, 1/2 IN	
55	71492134	42 in	FLEX LOOM, 3/4 IN	
63	77143013	4	WHIZ-LOCKNUT, 1/4-20	
64	91403230	1	MANUAL HOLDER	
68	8466306	1	TILT ANGLE GAUGE	H
79	77143003	8	WHIZ-LOCK SCREW	
80	77143006	4	WHIZ-LOCKNUT, 5/16	
81	3311505	4	HEX LOCKNUT, 5/16-18	
82	4711500	4	FLAT WASHER, 5/16	
107	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
108	8305624	2	HEX LOCKNUT, 1/4-20	
109	86683122	1	TIE WRAP	
111	8270621	1	BACK-UP ALARM	
112	4711400	2	FLAT WASHER, 1/4	
185	1001116274	1	RESISTOR, MOLDED	
230	91143357	1	HORN ASSY	
234	0791504	1	WHIZ-LOCK SCREW, 5/16-18X1/2	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
334	1001091086	1	SHEET METAL SUPPORT	
335	77143006	4	WHIZ-LOCKNUT, 5/16	
406	91140001	1	COUNTERWEIGHT	
415	4752600	4	WASHER, 1	
417	0642640	4	HEX HD CAPSCREW, 1-8X5	
504	0641510	4	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
506	4751500	4	FALT WASHER, 5/16	
614		Ref	REAR CAB COVER, (See CAB SECTION for Breakdown)	
615		Ref	HEATER PANEL COVER, (See CAB SECTION for Breakdown)	
616		Ref	VALVE ACCESS COVER, (See CAB SECTION for Breakdown)	
617		Ref	CAB BELLY PAN COVER, (See CAB SECTION for Breakdown)	
618		Ref	FRONT FENDER, (See CAB SECTION for Breakdown)	
701	1001093561	1	FRAME WELDMENT, (534D-9)	
701	1001091045	1	FRAME WELDMENT, (534D-10)	
802	0682414	4	HEX HD CAPSCREW, 7/8-9X1-3/4, GR8	
803	4892500	4	HARDENED WASHER, 7/8	
901	7026900	1	BACK CUSHION KIT	
902	7026902	1	BACK PANEL KIT	
903	7026905	1	SEAT BELT KIT	
903	91563164	1	SEAT BELT, 3 IN, (California Only), (not included with standard seat)	
904	7026906	1	TETHER KIT	
905	7026901	1	SEAT CUSHION KIT	
906	7026799	1	KNOB KIT	
907	7026798	1	SLIDE KIT	
908	70023040	1	SHOCK ABSORBER KIT, (not shown), (includes one shock absorber, two shock pins and two hex nuts)	
909	70023041	1	SPRING AND SADDLE KIT, (not shown)	

FIGURE 1-4. REAR AXLE AND ATTACHING PARTS (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

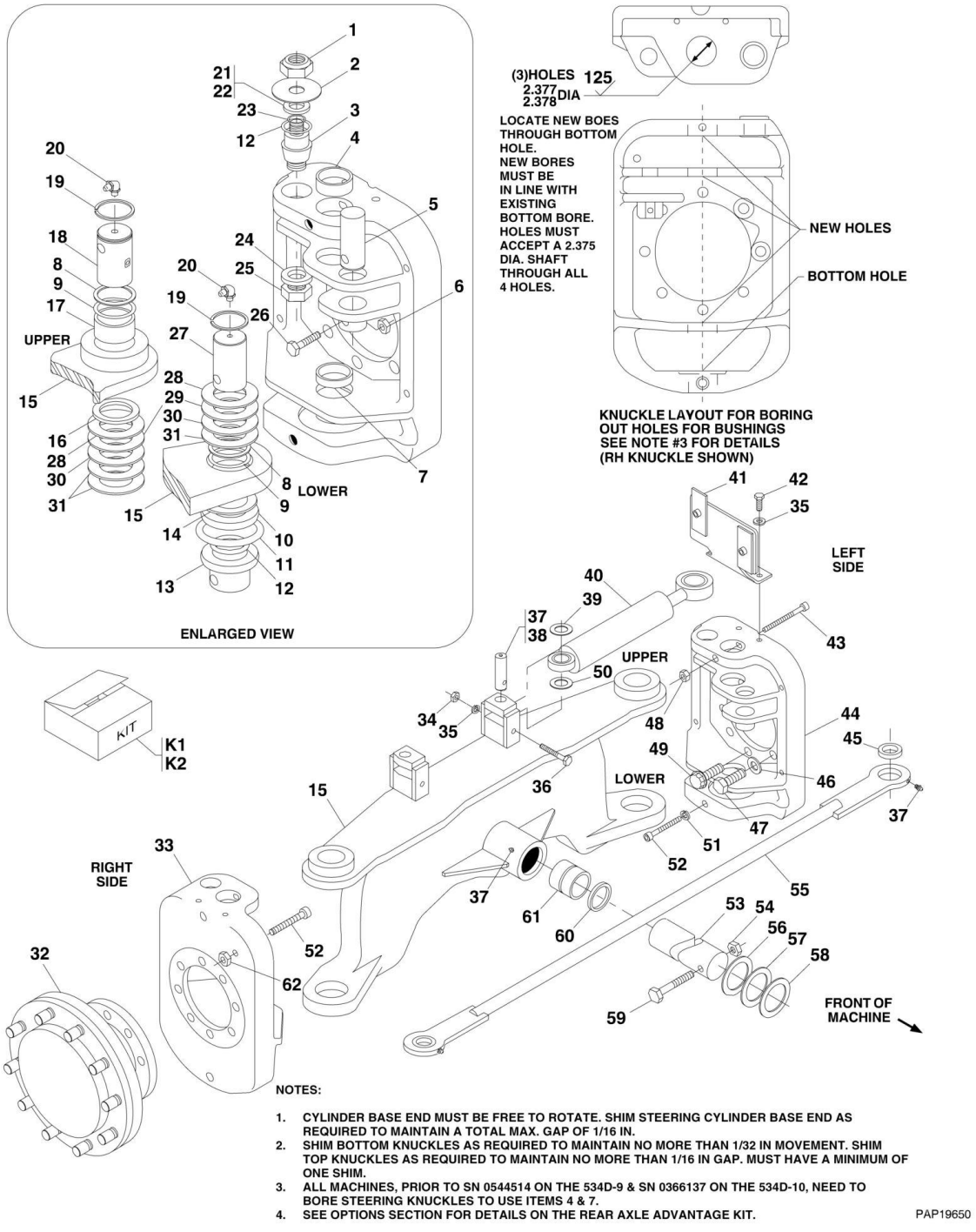


FIGURE 1-4. REAR AXLE AND ATTACHING PARTS (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88521312	2	HEX LOCKNUT, 3/4-10, (torque to 160-175 ft lbs)	
2	91081415	2	DIRT SHIELD	
3	91041481	2	STEERING CYLINDER PIN	
4	91121239	2	BUSHING	
5	91041439	2	TIE ROD PIN	
6	88521306	2	LOCKNUT, 3/8-16	
7	91121240	4	BUSHING	
8	91123030	4	BACK-UP RING	
9	88591032	4	O-RING	
10	91123027	2	BUSHING	
11	91123029	2	O-RING	
12	88591104	4	O-RING	
13	91121091	2	THRUST BUSHING	
14	91041733	AR	SHIM	
15	91166012	1	REAR AXLE WELDMENT, (includes items 10, 17 & 61)	
16	86921268	2	LIP SEAL	
17	91123028	2	BUSHING	
18	91081693	2	UPPER KING PIN	
19	88581323	4	RETAINING RING	
20	88671022	4	LUBE FITTING, 90, 1/8	
21	91041732	2	SPACER, (3/16 thick)	
22	91041438	AR	SPACER	
23	88591019	2	O-RING	
24	91041459	2	WASHER	
25	88501416	2	HEX JAM NUT, 1-14, (torque to 225-250 ft lbs)	
26	83201140	2	HEX HD CAPSCREW, 3/8-16X2-3/4, GR8	
27	91141424	2	LOWER KING PIN	
28	91041449	AR	SHIM, (.060 thick, see note #2)	
29	91041450	AR	SHIM, (.0478 thick, see note #2)	
30	91041451	AR	SHIM, (.106 thick, see note #2)	
31	91041596	AR	SHIM, (20 ga, see note #2)	
32		Ref	DRIVE HUB, (See DRIVE TRAIN SECTION for Breakdown)	
33	91120004	1	RH STEERING KNUCKLE, (see note #3)	
34	88501006	2	HEX NUT, 3/8-16	
35	88551011	6	LOCKWASHER, 3/8	
36	83201144	2	HEX HD CAPSCREW, 3/8-16X5-3/4, GR8	
37	88671001	6	STRAIGHT LUBE FITTING, 1/8	
38	91081695	2	STEERING CYLINDER PIVOT PIN	
39	91041598	AR	SHIM, (.060 thick, see note #1)	
40		Ref	STEERING CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
41	91166056	1	LH TUBE SUPPORT	
41	91166055	1	RH TUBE SUPPORT	
42	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
43	88211121	2	SOCKET HD CAPSCREW, 1/2-13X6-1/2, GR8	
44	91120003	1	LH STEERING KNUCKLE, (see note #3)	
45	91043247	2	SELF-ALIGNING BUSHING	
46	86681572	12	HARDENED WASHER, 3/4	
47	83201006	12	HEX HD CAPSCREW, 3/4-10X2, GR8, (torque to 270-290 ft lbs)	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	88521208	2	HEX LOCKNUT, 1/2-13	
49	91043222	4	CAPSCREW, 12PT, 3/410X2, GR8, (torque to 270-290 ft lbs)	
50	90201918	AR	SHIM, (10 ga, see note #1)	
51	88551153	2	LOCKWASHER, 5/8	
52	88212321	4	SOCKET HD CAPSCREW, 5/8-11X3-3/4, GR8	
53	91081177	1	REAR AXLE MOUNTING PIN	
54	85101098	1	HEX NUT, 1-1/4-7	
55	91166063	1	TIE ROD, (includes item 45)	
56	91161066	AR	SHIM, (.0598 thick)	
57	91161067	AR	SHIM, (.1046 thick)	
58	91161068	AR	SHIM, (.1345 thick)	
59	90020247	1	HEX HD CAPSCREW, 1-1/4-7X6, GR5	
60	24601570	2	LIP SEAL	
61	91123031	2	BUSHING	
62	88501110	2	HEX NUT, 5/8-11	
K1	91145099	1	STEERING KNUCKLE KIT, (includes items 2, 4, 7 thru 14, 16 thru 23, 27 thru 31, 43, 48, 51, two of item 52, one kit does both sides)	
K2	91045152	AR	STEERING CYLINDER PIN KIT, (includes one each of items 1, 2, 3, 12, 21 thru 25, one kit needed for each side)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. REAR AXLE AND ATTACHING PARTS (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

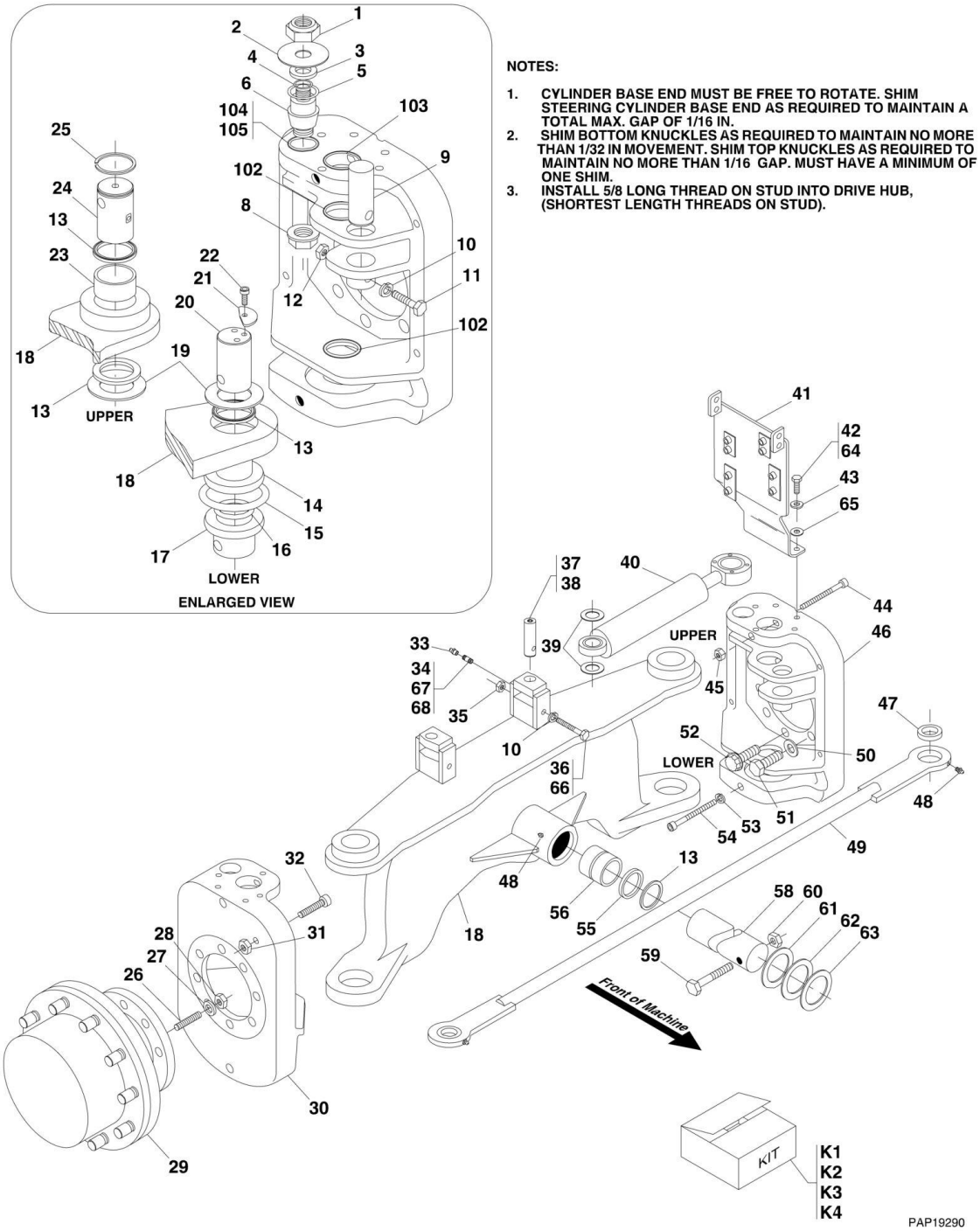


FIGURE 1-5. REAR AXLE AND ATTACHING PARTS (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88521312	2	LOCKNUT, 3/4-10, (torque to 160-175 ft lbs)	
2	91081415	2	DIRT SHIELD	
3	91041732	2	SPACER	
4	80933066	2	O-RING	
5	3790226	2	O-RING	
6	91343052	2	ROD END STEER CYLINDER PIN	
8	1001099173	2	FLANGE NUT	
9	91403082	2	TIE ROD PIN	
10	88551011	4	LOCKWASHER, 3/8	
11	83201021	2	HEX HD CAPSCREW, 3/8-16X3	
12	88521306	2	HEX LOCKNUT, 3/8-16, (nylok)	
13	91403145	8	WIPER SEAL	
14	91403034	2	LOWER BUSHING	
15	91403146	2	O-RING	
16	3790230	2	O-RING	
17	91401081	2	THRUST BUSHING	
18	91346008	1	REAR AXLE WELDMENT, (includes items 14, 23, 56 & 69)	
19	91403163	AR	KING PIN SHIM, (see note #2)	
19	91403164	AR	KING PIN SHIM, (see note #2)	
19	91403165	AR	KING PIN SHIM, (see note #2)	
19	91403166	AR	KING PIN SHIM, (see note #2)	
20	91403078	2	LOWER KING PIN	
21	91403067	2	RETAINING WASHER	
22	88211068	2	SOCKET HD CAPSCREW, 3/8-16X5/8, GR8	
23	91403031	2	UPPER BUSHING	
24	91403079	2	UPPER KING PIN	
25	88581325	2	SNAP RING	
26	91033481	8	STUD, (see note #3)	
27	85401340	8	HARD WASHER	
28	91083449	8	HEX NUT, 1/2-13	
29		Ref	DRIVE HUB, (See DRIVE TRAIN SECTION for Breakdown)	
30	Kit	1	RH KNUCKLE	
31	88501110	2	HEX NUT, 5/8-11	
32	88212321	2	SOCKET HD CAPSCREW, 5/8-11X3-3/4, GR8	
33	90028740	2	FEMALE GREASE FITTING	
34	88701021	2	NIPPLE, 1/8X2	
35	88501006	2	HEX NUT, 3/8-16	
36	83201144	2	HEX HD CAPSCREW, 3/8-16X5-3/4	
37	91403372	2	BASE END STEER CYLINDER PIN	
38	88711280	2	HEX SOCKET PIPE PLUG, 1/8	
39	91403065	AR	KING PIN SHIM, (see note #1)	
39	91403066	AR	KING PIN SHIM, (see note #1)	
40		Ref	STEERING CYLINDER, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
41	91406098	1	LH TUBE SUPPORT	
41	91406099	1	RH TUBE SUPPORT	
42	0641608	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
43	4761600	4	LOCKWASHER, 3/8	
44	88212272	2	SOCKET HD CAPSCREW, 5/8-11X8, GR8	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	88521210	2	HEX LOCKNUT, 5/8, (nylok)	
46	Kit	1	LH KNUCKLE	
47	8050001	2	SELF-ALIGNING BUSHING, (tie rod)	
48	88671001	4	STRAIGHT LUBE FITTING, 1/8	
49	91406021	1	TIE ROD WELDMENT, (includes item 47)	
50	86681572	12	HARDENED WASHER, 3/4	
51	83201006	12	HEX HD CAPSCREW, 3/4-10X2	
52	91043222	4	12 POINT SCREW, 3/4-10X2	
53	88551154	2	LOCKWASHER, 3/4, (hi-collar)	
54	88212285	2	SOCKET HD CAPSCREW, 3/4-10X5, GR8	
55	91403145	2	WIPER SEAL	
56	91403033	2	PIVOT TUBE BUSHING	
58	91081177	1	REAR AXLE PIN	
59	90020247	1	HEX HD CAPSCREW, 1-1/4-7X6	
60	88521020	1	LOCKNUT, 1-1/4-7	
61	91161068	AR	SHIM, (.135 thick)	
62	91161067	AR	SHIM, (.105 thick)	
63	91161066	AR	SHIM, (.060 thick)	
64	14404793	AR	UNION 76 MEGAPLEX GREASE	
65	4711600	4	FLAT WASHER, 3/8	
66	14404595	AR	MYSTIK TETRIMOLY GREASE	
67	14403303	AR	LOCTITE PIPE SEALANT	
68	14404102	AR	LOCTITE 277	
69	91163019	2	BUSHING, (not shown)	
102	91403354	2	BUSHING	
103	91403355	1	BUSHING	
104	91551039	1	BUSHING	
105	14404978	AR	LOCTITE 641	
K1	91415039	1	STEERING KNUCKLE KIT, (includes items 2 thru 5, 13 thru 17, 19 thru 25, 44, 45, 53 & 54)	
K2	91415040	1	STEERING CYLINDER PIN KIT, (includes one each of items 1 thru 8, one kit needed for each side)	
K3	91555032	AR	RH KNUCKLE KIT, includes items 8, 30 & 102 thru 105)	
K4	91555031	AR	LH KNUCKLE KIT, includes items 8, 46 & 102 thru 105)	

FIGURE 1-6. FRONT AXLE MOUNTING (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

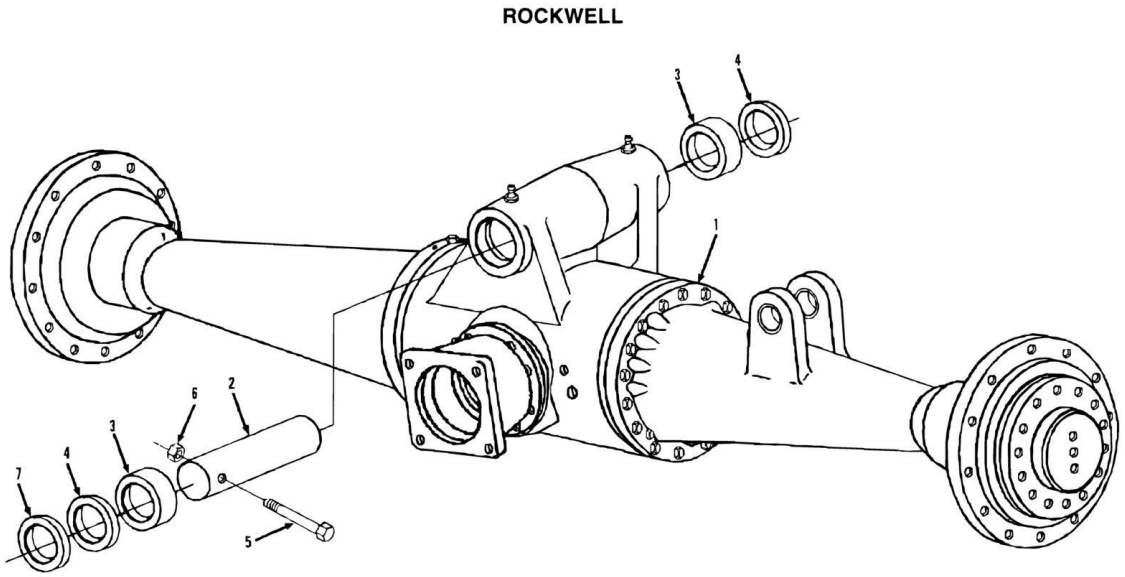


FIGURE 1-6. FRONT AXLE MOUNTING (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	FRONT AXLE ASSY, (See DRIVE TRAIN SECTION for Breakdown)	
2	91081176	1	FRONT SWAY PIN	
3	90205891	2	SPACER	
4	91031014	2	SHIM WASHER	
5	83201172	1	HEX HD CAPSCREW, 1-8X5, GR8	
6	88521016	1	HEX LOCK NUT, 1-8	
7	91083480	1	SHIM WASHER	

FIGURE 1-7. FRONT AXLE MOUNTING (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

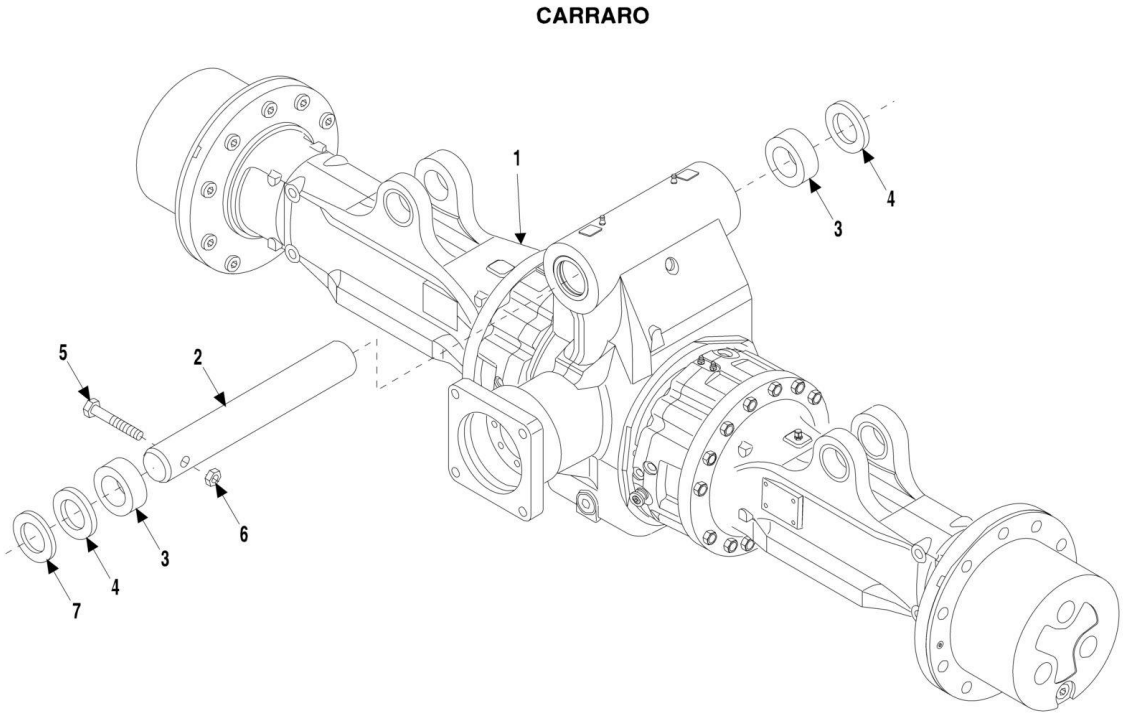


FIGURE 1-7. FRONT AXLE MOUNTING (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	FRONT AXLE ASSY, (See DRIVE TRAIN for Breakdown)	
2	91081176	1	FRONT SWAY PIN	
3	90205891	2	SPACER	
4	91031014	2	SHIM WASHER	
5	83201172	1	HEX HD CAPSCREW, 1-8X5, GR8	
6	88521016	1	HEX LOCK NUT, 1-8	
7	91083480	1	SHIM WASHER	

FIGURE 1-8. OUTRIGGER MOUNTING (534D-10 Prior to SN 0160035696)

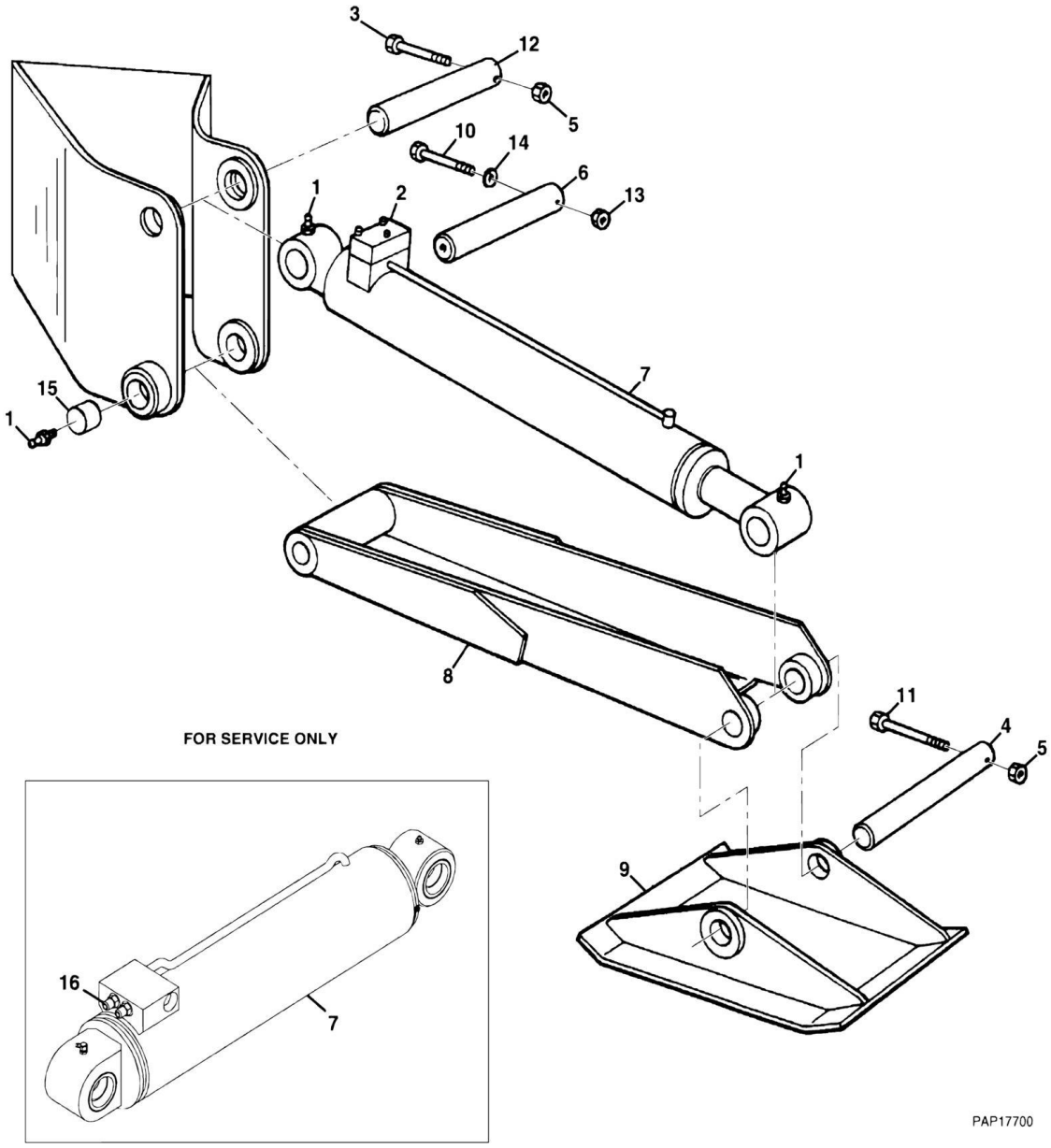


FIGURE 1-8. OUTRIGGER MOUNTING (534D-10 Prior to SN 0160035696)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88671001	4	STRAIGHT LUBE FITTING, 1/8	
2		Ref	OUTRIGGER CYLINDER VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211083	2	SOCKET HD CAPSCREW, 3/8-16X4-1/2, GR8	
4	91161080	2	SHOE PIN	
5	3300143	4	HEX LOCKNUT, 3/8-16	
6	91161069	2	ARM PIN	
7		Ref	OUTRIGGER CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	91166008	2	ARM WELDMENT	
9	91166011	2	OUTRIGGER SHOE	
10	88201065	4	HEX HD CAPSCREW, 1/2-13X1, GR5	
11	83793054	2	HEX HD CAPSCREW, 3/8-16X4-1/4	
12	91161016	2	OUTRIGGER CYLINDER PIN	
13	91081313	2	KEEPER	
14	88551013	4	LOCKWASHER, 1/2	
15	91163014	4	BUSHING	
16		Ref	ADAPTOR, (includes o-ring), (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 1-9. OUTRIGGER MOUNTING (534D-10 SN 0160035696 to Present)

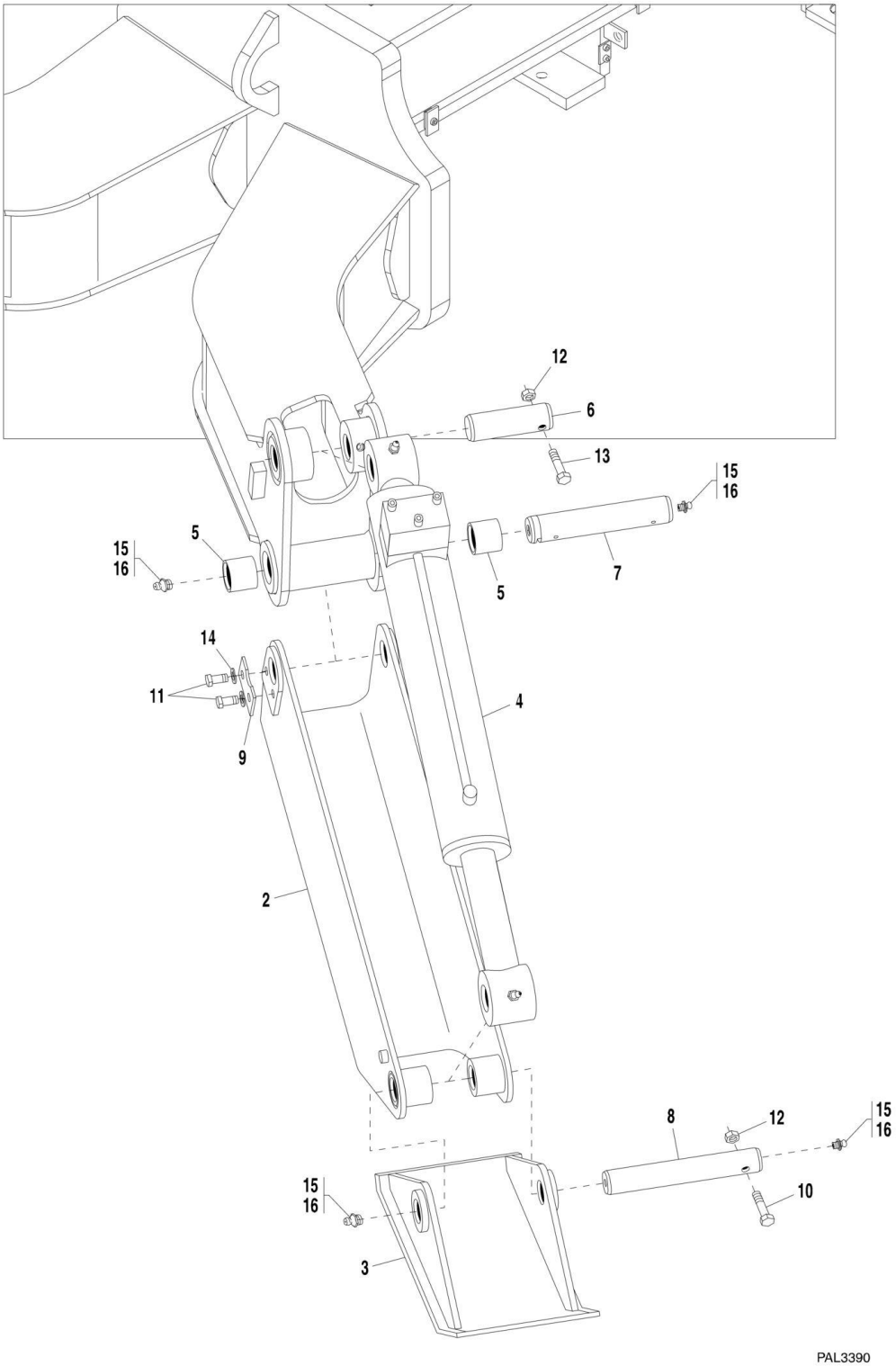


FIGURE 1-9. OUTRIGGER MOUNTING (534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103504	1	OUTRIGGER INSTALLATION, (includes all items)	B
2	91566050	2	ARM WELDMENT	
3	91566051	2	OUTRIGGER SHOE	
4		Ref	OUTRIGGER CYLINDER AND VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
5	91163014	4	BUSHING	
6	91563197	2	OUTRIGGER CYLINDER PIN	
7	91563198	2	ARM PIN	
8	91563199	2	SHOE PIN	
9	91081313	2	KEEPER	
10	0641634	2	HEX HD CAPSCREW, 3/8-16X4-1/4, GR5	
11	0641808	4	HEX HD CAPSCREW, 1/2-13X1, GR5	
12	3300143	4	HEX LOCKNUT, 3/8-16	
13	3931672	2	SOCKET HD CAPSCREW, 3/8-16X4-1/2, GR8	
14	4761800	4	LOCKWASHER, 1/2	
15	88671001	4	STRAIGHT LUBE FITTING, 1/8	
16	0100011	AR	LOCTITE 242	
17		Ref	HOSE ASSY, (not shown), (See HYDRAULIC CIRCUITS SECTION for Breakdown)	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. FIRST BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

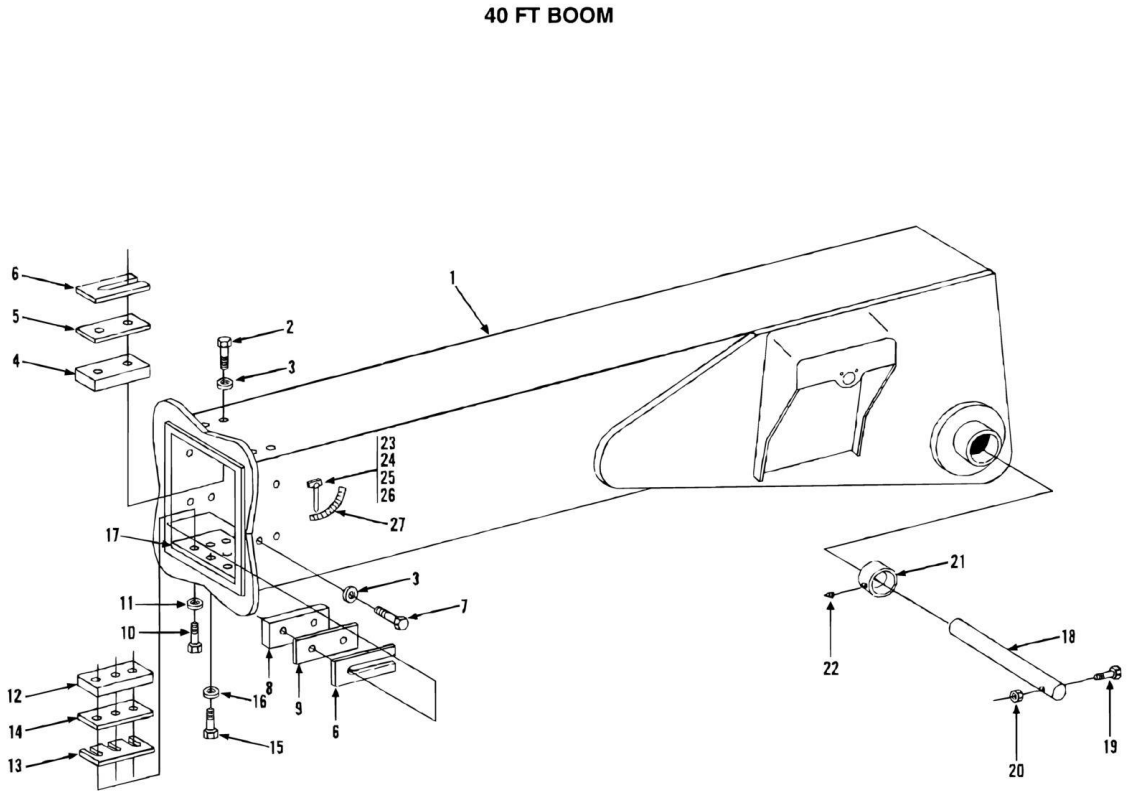
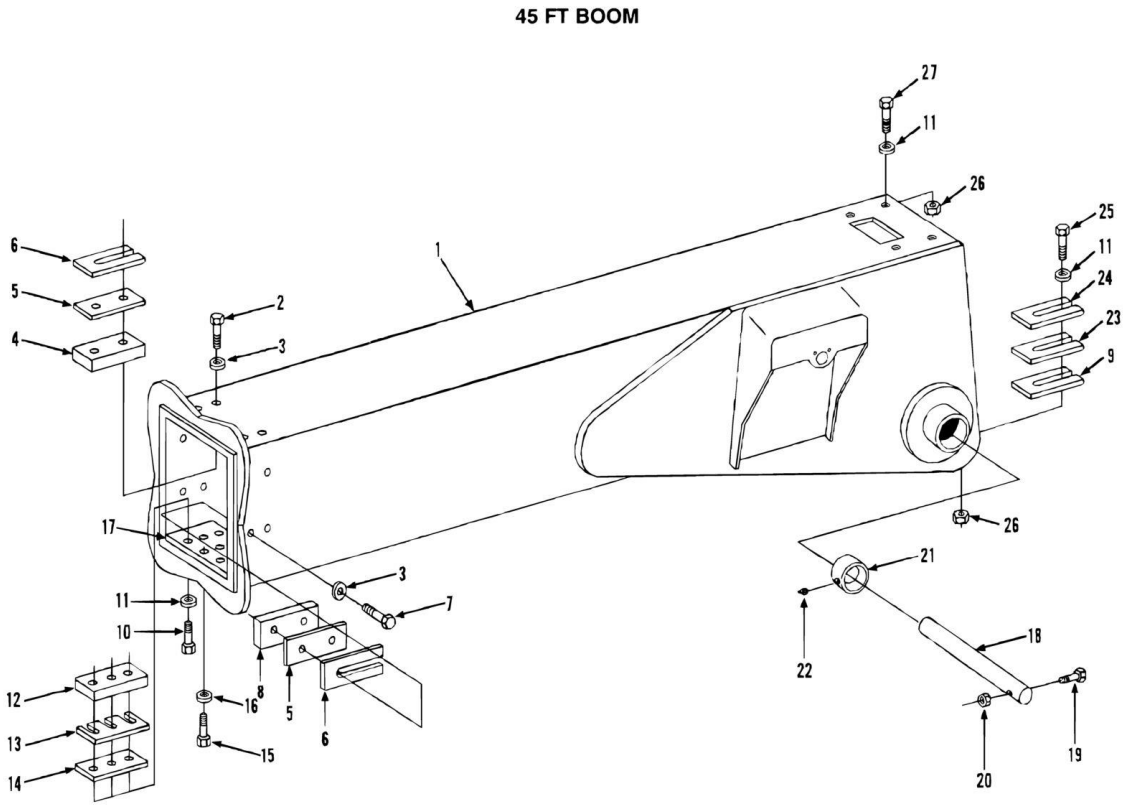


FIGURE 2-1. FIRST BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146014	1	FIRST BOOM SECTION	
2	88201534	4	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
3	88561109	12	FLAT WASHER, 3/8	
4	91033185	2	BEARING PAD	
5	91031236	2	SPACER, (.060 thick)	
6	90205870	AR	SHIM, (.060 thick)	
7	88201532	8	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
8	91033186	4	BEARING PAD	
9	91031236	4	SPACER, (.060 thick)	
10	88201608	2	HEX HD CAPSCREW, 3/4-16x1-1/2, GR5	
11	90027473	2	HARDENED FLAT WASHER, 3/4	
12	91143168	2	BEARING PAD	
13	91141302	2	SPACER, (.0598 thick)	
14	91141303	2	SHIM, (.060 thick)	
15	88201570	6	HEX HD CAPSCREW, 1/2-20X2-1/2, GR5, (torque to 76-86 ft lbs)	
16	90027471	6	HARDENED WASHER, 1/2	
17	91341029	1	BEARING PLATE	
18	3423247	1	PIN	
19	83481645	1	HEX HD CAPSCREW, 5/8-11X6, GR8	
20	88521010	1	HEX NUT, 5/8-11	
21	91141301	2	BUSHING	
22	88671001	2	STRAIGHT LUBE FITTING, 1/8	
23	90200445	1	PENDULUM	
24	90200688	1	BEARING	
25	90026491	1	SHOULDER BOLT	
26	88561108	1	WASHER, 5/16	
27	91003031	1	BOOM ANGLE DECAL, (white)	

FIGURE 2-2. FIRST BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)



NOTES:

1. ADD BEARING PAD, SHIMS & SPACERS AS REQUIRED TO SHIM BOOM TO WITHIN 1/16 IN OF A TIGHT FIT. AMOUNTS OF SHIMS CAN VARY AT EACH SHIM POINT. WHENEVER A SHIM IS USED WITH A PAD, A SPACER MUST BE INSERTED BETWEEN PAD & SHIM. NO PADS SHALL SIT DIRECTLY ON SLOTTED SURFACE OF SHIMS.
2. ADD 14404793, GREASE TO ALL BEARING PADS & BEARING SLIDE AREAS. INCLUDING INSIDE OF PUSH BEAM WHERE CROWD CYLINDER PADS SLIDE.
3. THE LENGTH OF PAD BOLTS DEPEND ON THE AMOUNT OF SHIMS USED. BOLT CANNOT EXTEND PAST CHAMFER ON BEARING.
4. BEARING PAD TORQUES, 3/8 IN BOLTS = 32-37 ft.lbs. & 1/2 IN BOLTS = 76-86 ft.lbs.

FIGURE 2-2. FIRST BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146090	1	FIRST BOOM SECTION, **(534D-9 SN 0644119 through 0160027962; 534D-10 SN 0366089 through 0160026242)**	U
1	91536024	1	FIRST BOOM SECTION, **(534D-9 SN 0160027963 to Present; 534D-10 SN 0160026243 to Present)**	C
2	88201534	AR	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
2	88201533	AR	HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 ft lbs)	
2	88201532	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
3	90027470	12	HARDENED WASHER, 3/8	
4	91033185	2	BEARING PAD	
5	91031236	6	SPACER, (.060 thick)	
6	91361048	6	SHIM, (.060 thick)	
7	88201535	8	HEX HD CAPSCREW, 3/8-24x1-1/4, GR5, (torque to 32-37 ft lbs)	
8	91033186	4	BEARING PAD	
9	91121157	2	SHIM, (.134)	
10	88201608	2	HEX HD CAPSCREW, 3/4-16x1-1/2, GR5	
11	90027473	9	HARDENED FLAT WASHER, 3/4	
12	1001117651	2	BEARING PAD	
13	91141302	2	SHIM, (.060 thick)	
14	91141303	2	SPACER, (.060 thick)	
15	88201569	AR	HEX HD CAPSCREW, 1/2-20X2-1/4, GR5, (torque to 76-86 ft lbs)	
15	0651818	AR	HEX HD CAPSCREW, 1/2-20X2-1/4, (torque to 76-86 ft lbs)	
15	88201570	AR	HEX HD CAPSCREW, 1/2-20X2-1/2, GR5, (torque to 76-86 ft lbs)	
15	0651820	AR	HEX HD CAPSCREW, 1/2-20X2-1/2, (torque to 76-86 ft lbs)	
16	90027471	6	HARDENED WASHER, 1/2	
17	91341029	1	BEARING PLATE	
18	3423247	1	BOOM BASE PIN	
19	88212287	1	HEX HD CAPSCREW, 3/4-10X6, GR8	
20	8310067	1	LOCKNUT, 3/4-10	
21	91141301	2	BUSHING	
22	2160002	2	STRAIGHT LUBE FITTING, 1/8	
23	91121024	2	SHIM, (.036)	
24	91121023	2	SHIM, (.060)	
25	83201039	3	HEX HD CAPSCREW, 3/4-10X2-1/2	
26	88501012	7	HEX NUT, 3/4-10	
27	83201038	4	HEX HD CAPSCREW, 3/4-10X2-1/4	

FIGURE 2-3. SECOND BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

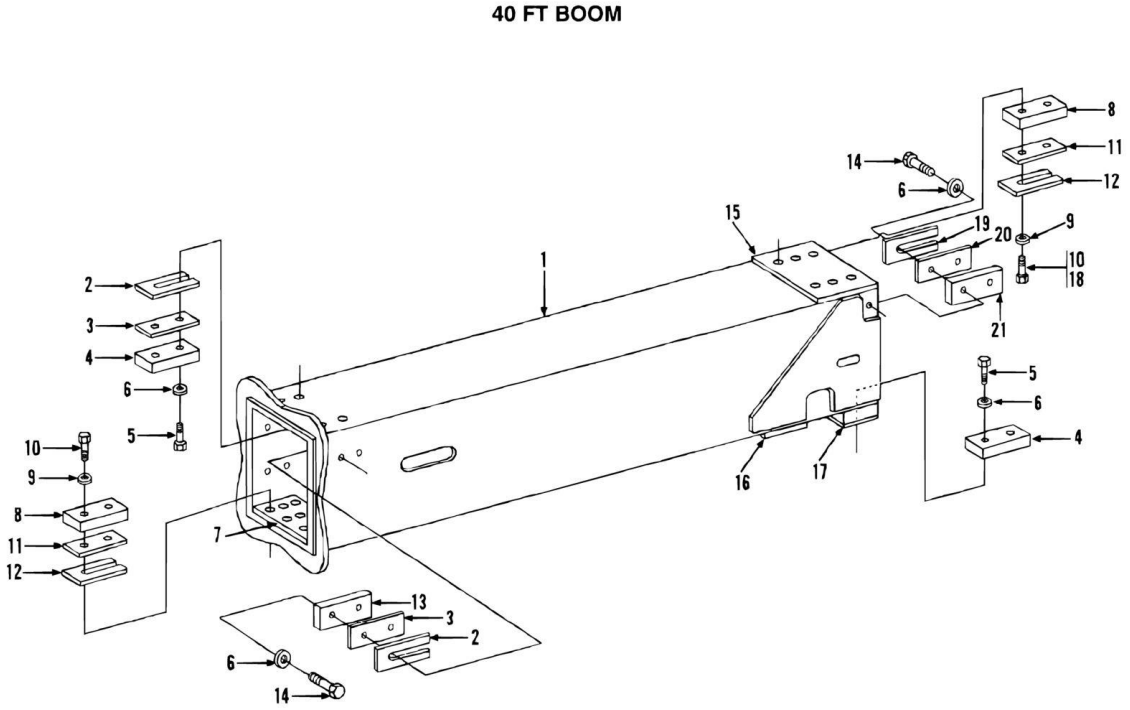
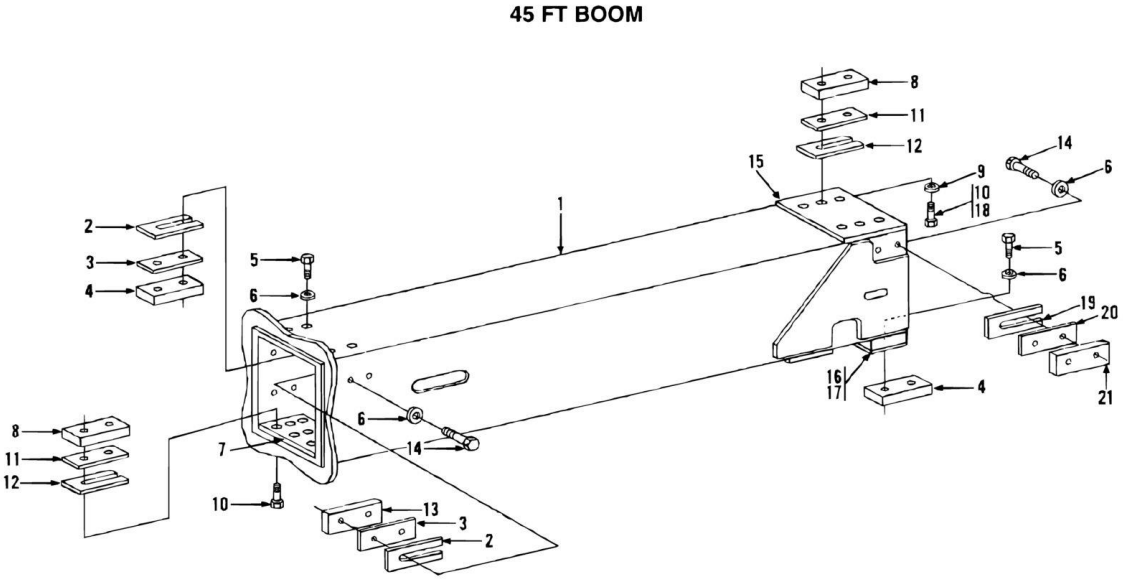


FIGURE 2-3. SECOND BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146015	1	SECOND BOOM SECTION	N
2	91121082	4	SHIM, (.06 thick)	
3	91121083	4	SPACER, (.06 thick)	
4	91123019	4	BEARING PAD	
5	88201534	8	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
6	88561109	16	FLAT WASHER, 3/8	
7	91141062	1	BEARING PLATE	
8	91143168	4	BEARING PAD	
9	90027471	6	HARDENED WASHER, 1/2	
10	88201562	8	HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 76-86 ft lbs)	
11	91141303	4	SPACER, (.060 thick)	
12	91141302	4	SHIM, (.0598 thick)	
13	91123021	2	BEARING PAD	
14	88201532	8	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
15	91141056	1	BEARING PLATE	
16	91146018	1	RETRACTION CABLE BRACKET	
17	N.S.S.	1	BEARING PLATE	
17	91141058	1	BEARING BAR	
18	88201565	4	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 ft lbs)	
19	90205870	2	SHIM, (.06 thick)	
20	91031236	2	SPACER, (.06 thick)	
21	91033186	2	BEARING PAD	

FIGURE 2-4. SECOND BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)



NOTES:

1. ADD BEARING PAD, SHIMS & SPACERS AS REQUIRED TO SHIM BOOM TO WITHIN 1/16 IN OF A TIGHT FIT. AMOUNTS OF SHIMS CAN VARY AT EACH SHIM POINT. WHENEVER A SHIM IS USED WITH A PAD, A SPACER MUST BE INSERTED BETWEEN PAD & SHIM. NO PADS SHALL SIT DIRECTLY ON SLOTTED SURFACE OF SHIMS.
2. ADD, 14404793, GREASE TO ALL BEARING PADS & BEARING SLIDE AREAS. INCLUDING INSIDE OF PUSH BEAM WHERE CROWD CYLINDER PADS SLIDE.
3. THE LENGTH OF PAD BOLTS DEPEND ON THE AMOUNT OF SHIMS USED. BOLT CANNOT EXTEND PAST CHAMFER ON BEARING.
4. BEARING PAD TORQUES, 3/8 IN BOLTS = 32-37 ft.lbs. & 1/2 IN BOLTS = 76-86 ft.lbs.

FIGURE 2-4. SECOND BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146091	1	SECOND BOOM SECTION, **(534D-9 SN 0644119 through 0160027962; 534D-10 SN 0366089 through 0160026242)**	H
1	91536021	1	SECOND BOOM SECTION, **(534D-9 SN 0160027963 to Present; 534D-10 SN 0160026243 to Present)**	A
2	91361049	4	SHIM, (.06 thick)	
3	91121083	4	SPACER, (.06 thick)	
4	91123019	4	BEARING PAD	
4	91121082	AR	SHIM, (.06 thick)	
4	91121083	AR	SPACER, (.06 thick)	
5	88201534	AR	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
5	0651608	AR	HEX HD CAPSCREW, 3/8-24X1	
5	0651610	AR	HEX HD CAPSCREW, 3/8-24X1-1/4	
6	90027470	16	HARDENED WASHER, 3/8	
7	91141062	1	BEARING PLATE	
8	1001117651	4	BEARING PAD	
9	90027471	4	HARDENED WASHER, 1/2	
10	88201562	6	HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 68-78 ft lbs)	
10	0651806	AR	HEX HD CAPSCREW, 1/2-20X3/4	
11	91141303	4	SPACER, (.060 thick)	
12	91141302	4	SHIM, (.0598 thick)	
13	91123021	2	BEARING PAD	
14	88201532	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
14	0651605	AR	HEX HD CAPSCREW, 3/8-24X5/8	
14	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4	
14	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8	
15	91141056	1	BEARING PLATE	
16	N.S.S.	1	BEARING BAR	
17	91141058	2	BEARING BAR	
18	88201565	4	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
18	0651810	AR	HEX HD CAPSCREW, 1/2-20X1-1/4	
18	0651812	AR	HEX HD CAPSCREW, 1/2-20X1-1/2	
18	0651807	AR	HEX HD CAPSCREW, 1/2-20X7/8	
18	0651808	AR	HEX HD CAPSCREW, 1/2-20X1	
19	91361048	2	SHIM, (.06 thick)	
20	91031236	2	SPACER, (.06 thick)	
21	91033186	2	BEARING PAD	

FIGURE 2-5. THIRD BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

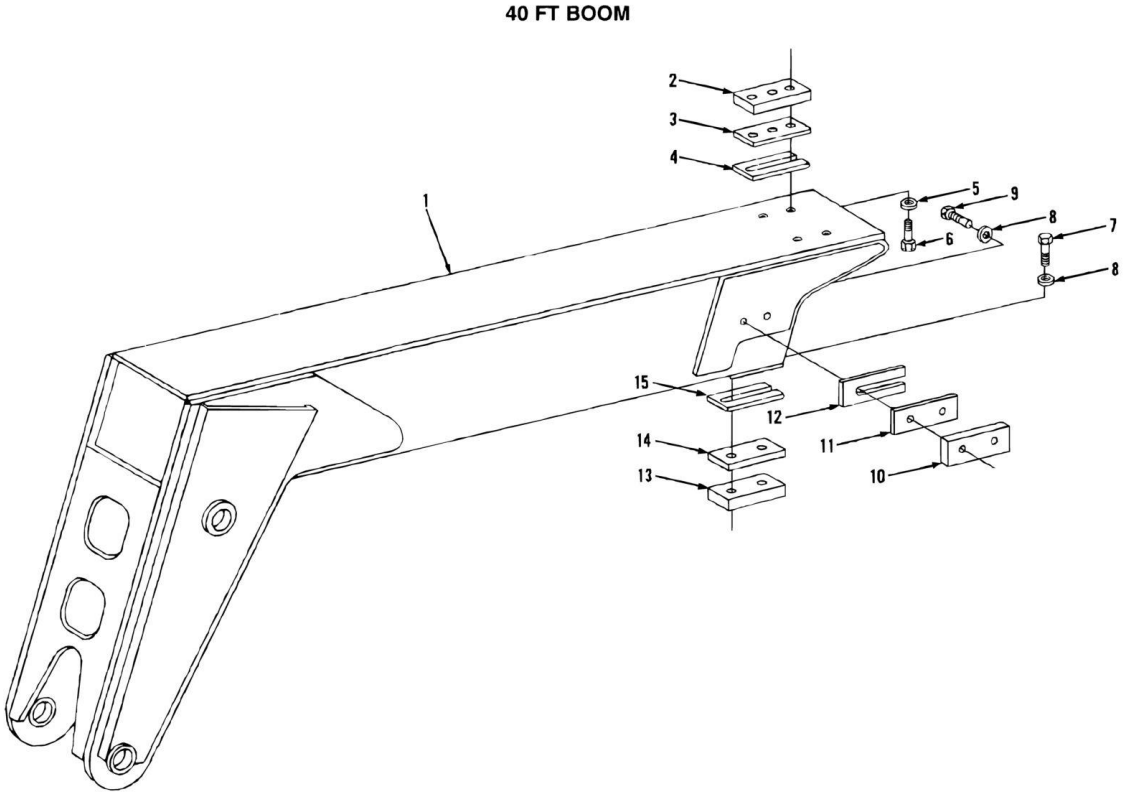
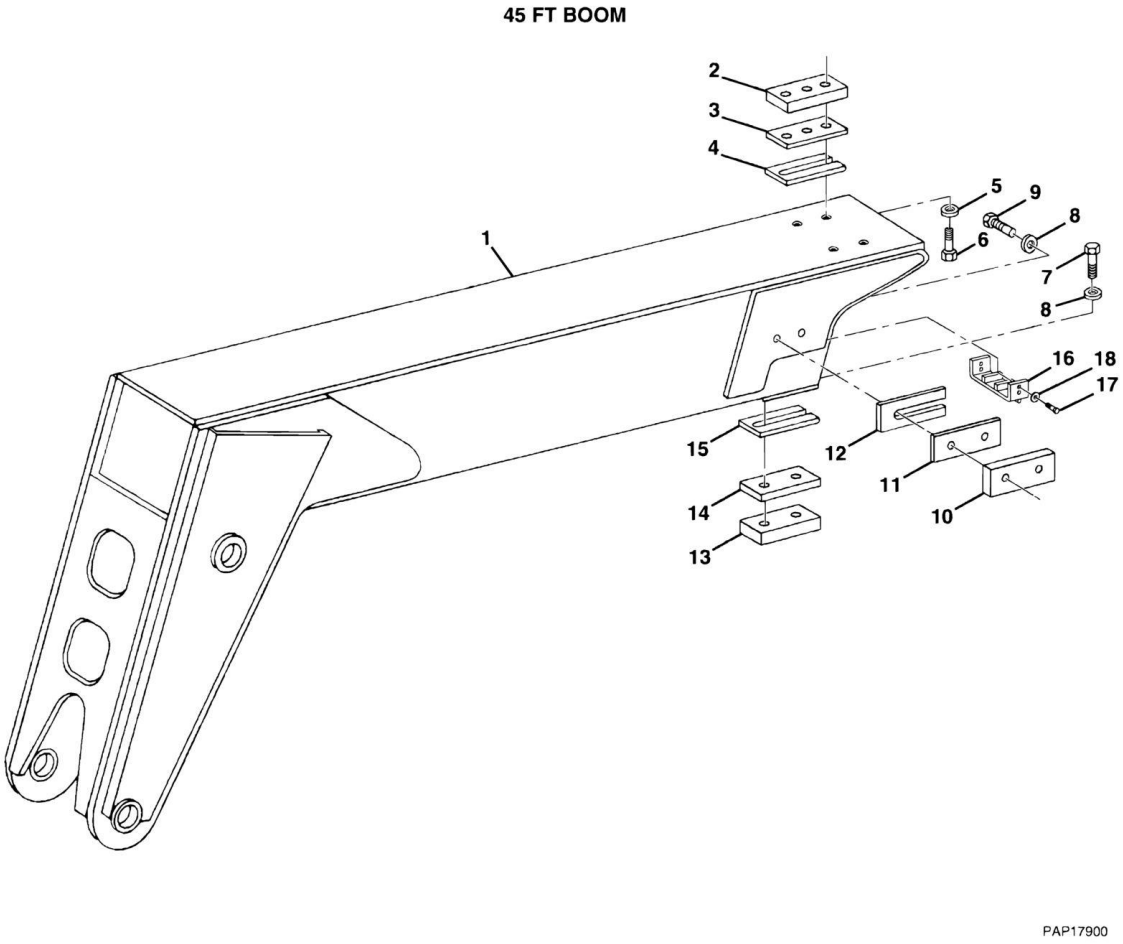


FIGURE 2-5. THIRD BOOM SECTION (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146016	1	THIRD BOOM SECTION	N
2	91143168	2	BEARING PAD	
3	91141302	2	SPACER, (.0598 thick)	
4	91141303	2	SHIM, (.060 thick)	
5	90027471	6	HARDENED FLAT WASHER, 1/2	
6	88201565	6	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 ft lbs)	
7	88201534	4	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
8	88561109	8	FLAT WASHER, 3/8	
9	88201532	4	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
10	91033186	2	BEARING PAD	
11	91031236	2	SPACER, (.060 thick)	
12	90205870	2	SHIM, (.060)	
13	91123019	2	BEARING PAD	
14	91121082	2	SHIM, (.06 thick)	
15	91121083	2	SPACER, (.06 thick)	

FIGURE 2-6. THIRD BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)



NOTES:

1. ADD BEARING PAD, SHIMS & SPACERS AS REQUIRED TO SHIM BOOM TO WITHIN 1/16 IN OF A TIGHT FIT. AMOUNTS OF SHIMS CAN VARY AT EACH SHIM POINT. WHENEVER A SHIM IS USED WITH A PAD, A SPACER MUST BE INSERTED BETWEEN PAD & SHIM. NO PADS SHALL SIT DIRECTLY ON SLOTTED SURFACE OF SHIMS.
2. ADD, 14404793, GREASE TO ALL BEARING PADS & BEARING SLIDE AREAS. INCLUDING INSIDE OF PUSH BEAM WHERE CROWD CYLINDER PADS SLIDE.
3. THE LENGTH OF PAD BOLTS DEPEND ON THE AMOUNT OF SHIMS USED. BOLT CANNOT EXTEND PAST CHAMFER ON BEARING.
4. BEARING PAD TORQUES, 3/8 IN BOLTS = 32-37 ft.lbs. & 1/2 IN BOLTS = 76-86 ft.lbs.

FIGURE 2-6. THIRD BOOM SECTION (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146092	1	THIRD BOOM SECTION, **(534D-9 SN 0644119 through 0160027962; 534D-10 SN 0366089 through 0160026242)**	I
1	91536020	1	THIRD BOOM SECTION, **(534D-9 SN 0160027693 through 0160038518; 534D-10 SN 0160026243 through 0160038444)**	C
1	1001098045	1	THIRD BOOM SECTION, **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	A
2	1001117651	2	BEARING PAD	
3	91141303	2	SPACER, (.0598 thick)	
4	91141302	2	SHIM, (.060 thick)	
5	90027471	6	HARDENED FLAT WASHER, 1/2	
6	0651810	6	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 68-78 ft lbs)	
6	0651812	AR	HEX HD CAPSCREW, 1/2-20X1-1/2	
7	88201534	4	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
7	0651610	AR	HEX HD CAPSCREW, 3/8-24X1-1/4	
7	0651612	AR	HEX HD CAPSCREW, 3/8-24X1-1/2	
8	90027470	8	HARDENED WASHER, 3/8	
9	88201532	4	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
9	0651605	AR	HEX HD CAPSCREW, 3/8-24X5/8	
9	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4	
9	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8	
10	91033186	2	BEARING PAD	
11	91031236	2	SPACER, (.060 thick)	
12	91361048	2	SHIM, (.060)	
13	91123019	2	BEARING PAD	
14	91511094	AR	SPACER, (.06 thick)	
15	91361049	AR	SHIM, (.06 thick)	
16	91536025	1	HOSE RETAINER	
17	0641608	4	HEX HD CAPSCREW, 3/8-16X1	
18	4711600	4	FLAT WASHER, 3/8	

FIGURE 2-7. QUICK SWITCH ASSEMBLY (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

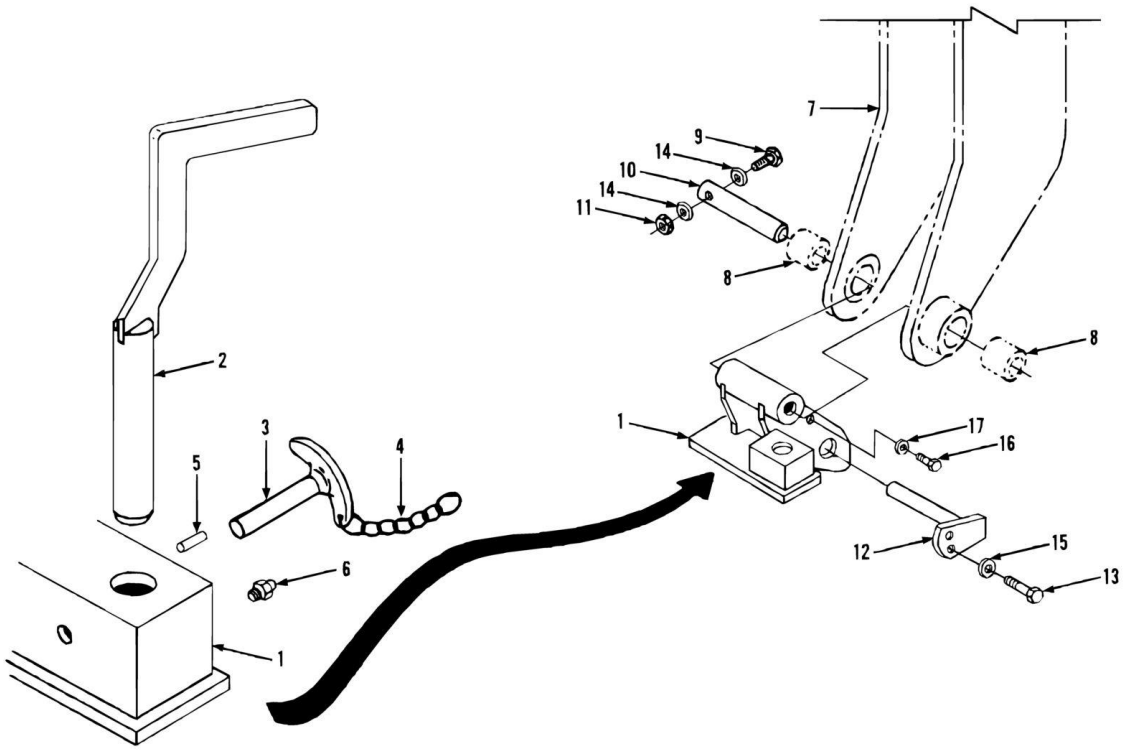


FIGURE 2-7. QUICK SWITCH ASSEMBLY (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085091	1	QUICK SWITCH ASSY, (includes items 1 thru 6, 16 & 17)	C
1	91086152	1	QUICK SWITCH WELDMENT	
2	91086151	1	PLUNGER WELDMENT	
3	90207902	1	QUICK RELEASE PIN	
4	91033038	1	JACK CHAIN, 5 IN LONG, SIZE 12	
5	3440832	1	ROLL PIN, 1/4X2	
6	88671008	1	STRAIGHT LUBE FITTING, 1/4-28	
7		Ref	THIRD BOOM SECTION, (includes item 8), (See THIRD BOOM SECTION for Breakdown)	
8	91363085	2	BUSHING	
9	91121308	1	HEX HD CAPSCREW, 5/8-11X5, L-9	
10	91041365	1	PIN	
11	91121309	1	HEX LOCKNUT, 5/8, L-9	
12	91166062	1	TILT CYLINDER PIN	
13	83201123	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
14	4712000	2	FLAT WASHER, 5/8, L-9	
15	4711800	2	FLAT WASHER, 1/2	
16	88301193	1	ROUND HD MACHINE SCREW, #10-32X1/2	
17	88561105	1	FLAT WASHER, #10	

FIGURE 2-8. QUICK SWITCH ASSEMBLY (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

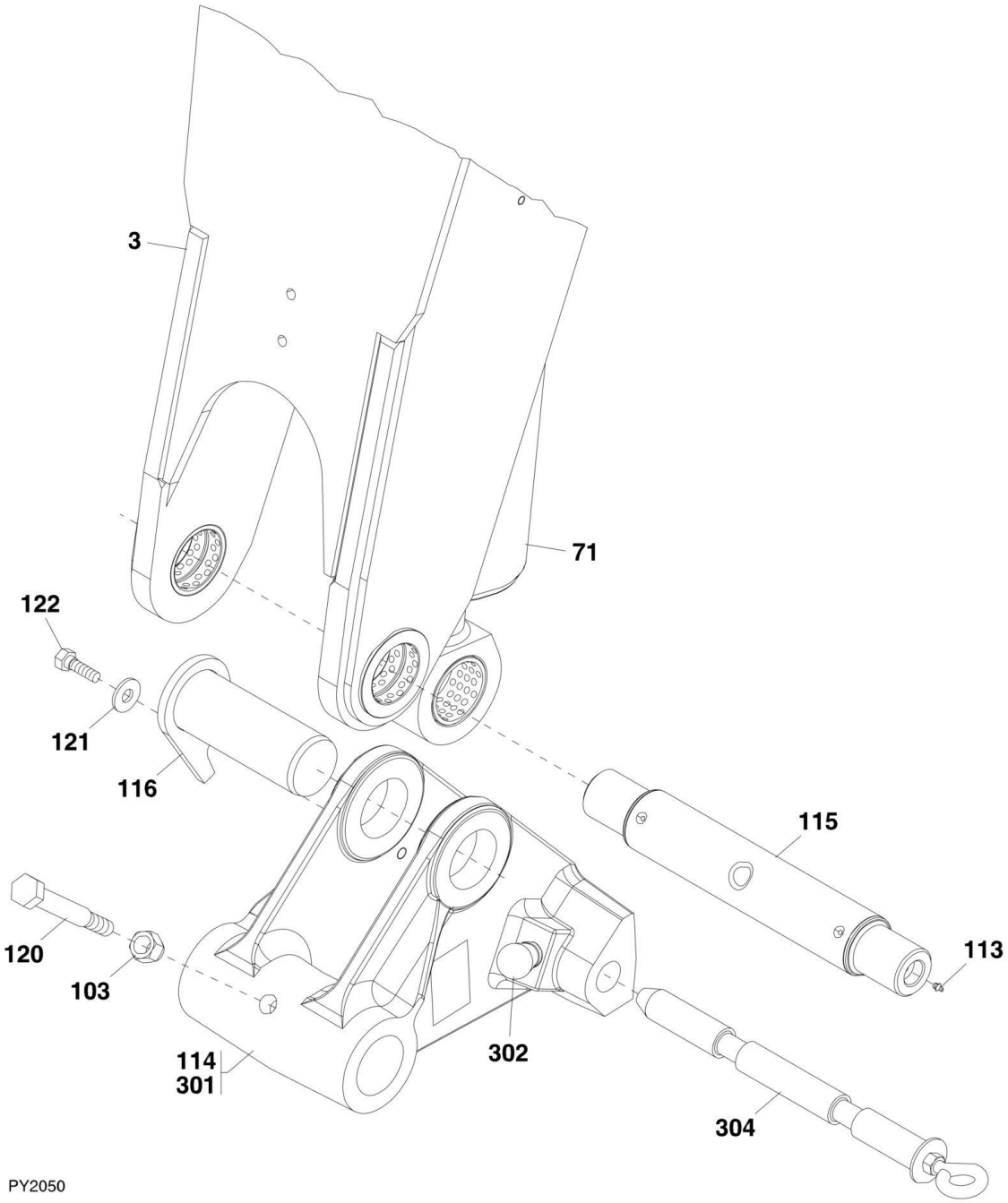


FIGURE 2-8. QUICK SWITCH ASSEMBLY (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
3		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
71		Ref	TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
103	8310067	1	LOCKNUT, 3/4-10	
113	2160002	2	STRAIGHT GREASE FITTING	
114	1001098383	1	QUICK SWITCH COUPLING ASSY, (includes items 301 thru 304)	D
115	1001098233	1	PIVOT PIN	
115	8307916	AR	WASHER, SHIM, (not shown)	
115	8307917	AR	WASHER, SHIM, (not shown)	
116	1001098492	1	PIN WELDMENT	
116	8307904	AR	WASHER, SHIM, (not shown)	
116	8310093	AR	WASHER, SHIM, (not shown)	
116	8307918	AR	WASHER, SHIM, (not shown)	
120	0682244	1	HEX HD CAPSCREW, 3/4-10X5-1/2, GR8	
121	4740003	1	WASHER, 1/2	
122	0641808	1	HEX HD CAPSCREW, 1/2-13X1, GR5	
301	1001100755	1	QUICK SWITCH COUPLER	
302	1001143692	1	POPPIN PIN ASSY	
304	1001105441	1	QUICK SWITCH LOCK PIN	

FIGURE 2-9. BOOM CROSS SECTION/PUSH BEAM PIN - 40 FT & 45 FT BOOM

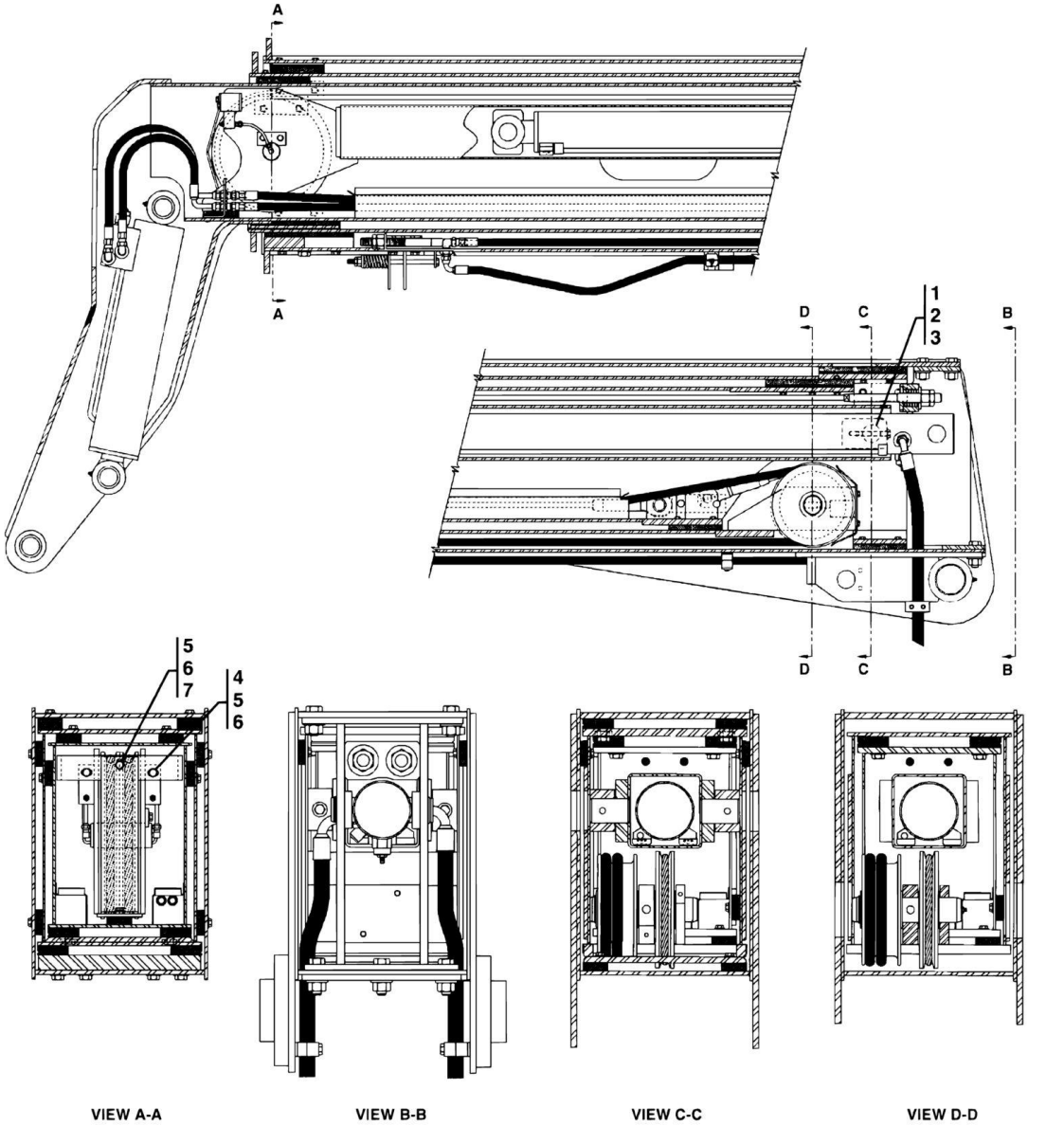


FIGURE 2-9. BOOM CROSS SECTION/PUSH BEAM PIN - 40 FT & 45 FT BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91141128	2	PUSH BEAM PIN	
2	0641828	2	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
3	4761800	2	LOCKWASHER, 1/2	
4	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8	
5	4711600	3	FLAT WASHER, 3/8	
6	4761600	3	LOCKWASHER, 3/8	
7	0641608	1	HEX HD CAPSCREW, 3/8-16X1	

FIGURE 2-10. EXTENSION AND RETRACTION CABLES (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

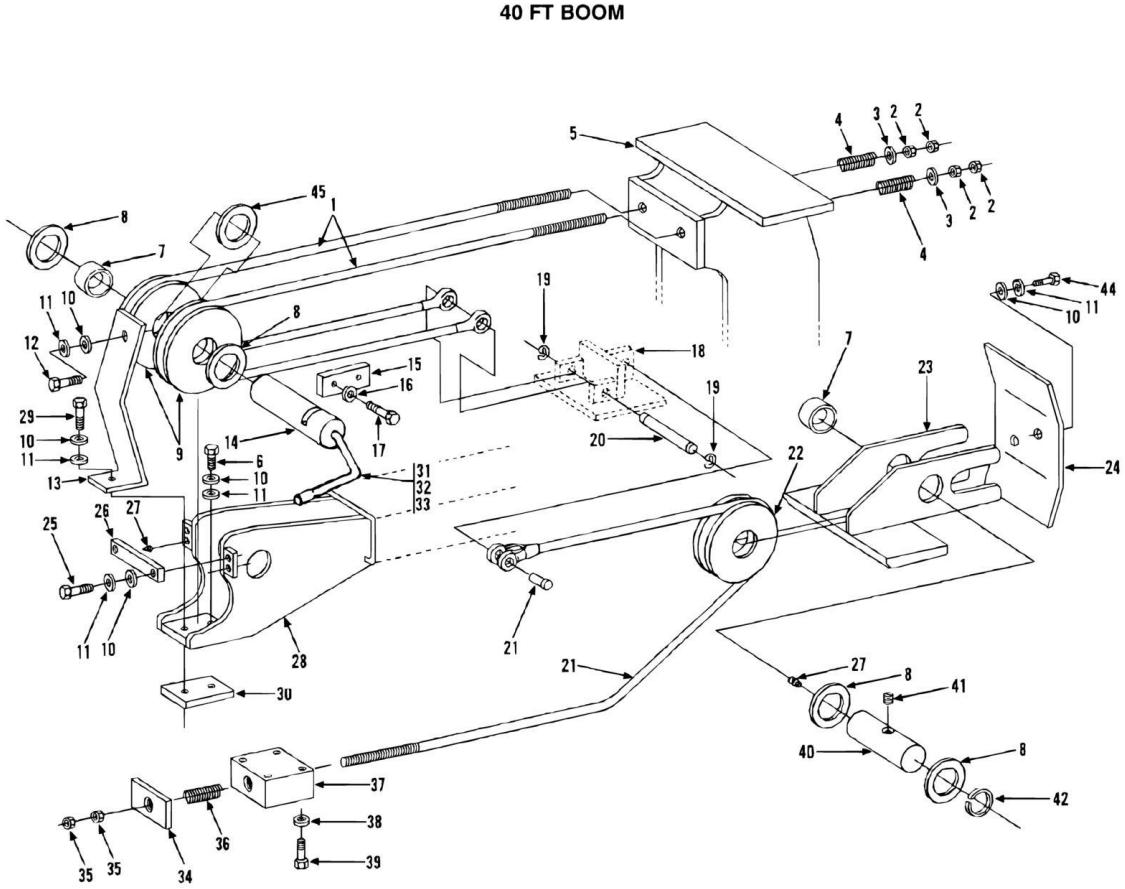
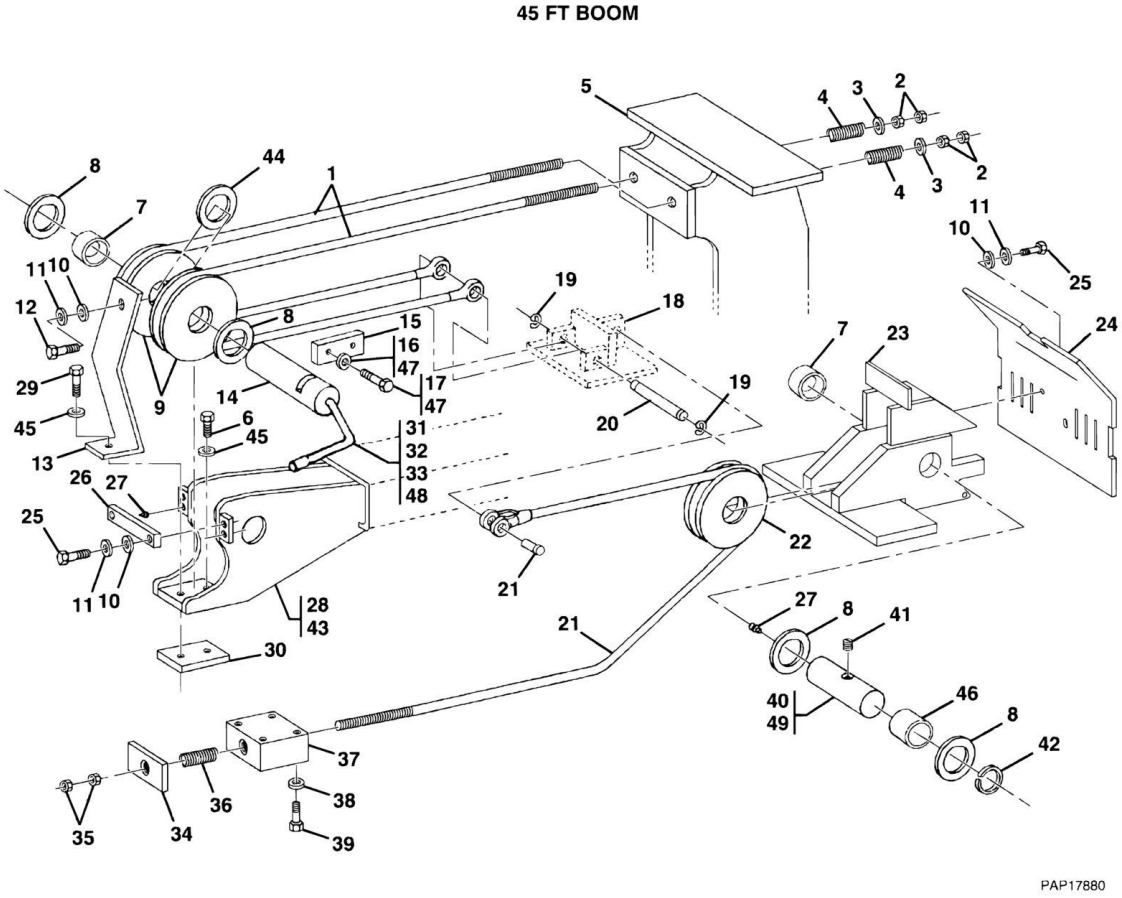


FIGURE 2-10. EXTENSION AND RETRACTION CABLES (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143026	2	EXTENSION CABLE	
2	88501016	4	HEX NUT, 1-8, (torque to 100-110 ft lbs)	
3	91121079	2	SPECIAL WASHER	
4	91123018	2	SPRING	
5	91146026	1	STRONG BACK	
6	88201532	1	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
7	91143109	3	BUSHING	
8	91041451	4	THRUST WASHER	
9	91145052	2	EXTENSION SHEAVE ASSY, (includes item 7)	
10	88561109	7	FLAT WASHER, 3/8	
11	88551011	7	LOCKWASHER, 3/8	
12	88201035	1	HEX HD CAPSCREW, 3/8-16X1, GR5	
13	91141152	1	CABLE GUIDE	
14	91141121	1	EXTENSION SHEAVE PIN	
15	91081313	1	PIN KEEPER	
16	88551013	2	LOCKWASHER, 1/2	
17	88201063	2	HEX HD CAPSCREW, 1/2-13X3/4, GR5	
18	91146023	1	CABLE ANCHOR WELDMENT	
19	88581313	2	RETAINING RING	
20	91141078	1	EXTENSION CABLE PIN	
21	91143027	1	RETRACTION CABLE, (includes pin)	
22	91145051	1	RETRACTION SHEAVE ASSY	
23	91146018	1	RETRACTION CABLE BRACKET	
24	91141149	1	HOSE GUIDEPLATE	
25	83201011	2	NYLOK SCREW, 3/8-16X1, GR5	
26	91141148	1	GUIDE BAR	
27	88671001	3	STRAIGHT LUBE FITTING, 1/8	
28	91146025	1	PUSH BEAM	
29	88201534	1	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
30	91033187	1	BEARING PAD	
31	85403040	2	MALE CONNECTORS	
32	Bulk	12 in	COPPER TUBING, 1/4 OD	
33	86683088	2	MALE, 90, ELBOW	
34	91141359	1	CABLE SPRING BAR	
35	88501314	2	HEX NUT, 7/8-14, (torque to 100-110 ft lbs)	
36	91143251	1	SPRING	
37	91141358	1	CABLE ADJUSTMENT BLOCK	
38	90027472	4	HARDENED WASHER	
39	83201035	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5, (torque to 200-215 ft lbs)	
40	91141120	1	RETRACTION SHEAVE PIN	
41	91143025	1	DOG POINT SET SCREW	
42	88581149	1	RETAINING RING	
43		Ref	PUSH BEAM PIN, (not shown), (See BOOM CROSS SECTION/PUSH BEAM PIN - 40 FT & 45 FT BOOM for Breakdown)	
44	88201034	2	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
45	91041450	1	THRUST WASHER	

FIGURE 2-11. EXTENSION AND RETRACTION CABLES (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)



NOTES:
1. USE LOCTITE® 242™ (0100011) ON ALL BOLT THREADS & JAM NUTS.
2. APPLY LOCTITE® 545™ (0100075) TO TUBE FITTINGS.

FIGURE 2-11. EXTENSION AND RETRACTION CABLES (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143355	2	EXTENSION CABLE	
2	88501016	4	HEX NUT, 1-8, (torque to 100-110 ft lbs)	
3	91121079	2	SPECIAL WASHER	
4	91123018	2	SPRING	
5	91146026	1	STRONG BACK	
6	88201532	1	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 ft lbs)	
7	91143109	3	BUSHING	
8	91041451	2	THRUST WASHER	
9	91145052	2	EXTENSION SHEAVE ASSY, (includes item 7)	
10	88561109	7	FLAT WASHER, 3/8	
11	88551011	7	LOCKWASHER, 3/8	
12	88201035	1	HEX HD CAPSCREW, 3/8-16X1, GR5	
13	91141152	1	CABLE GUIDE	
14	91141121	1	EXTENSION SHEAVE PIN	
15	91081313	1	PIN KEEPER	
16	4761800	2	LOCKWASHER, 1/2	
17	0641806	2	HEX HD CAPSCREW, 1/2-13X3/4, GR5	
18	91146023	1	CABLE ANCHOR WELDMENT	
19	88581313	2	RETAINING RING	
20	91141078	1	EXTENSION CABLE PIN	
21	91343227	1	RETRACTION CABLE, (includes pin)	
22	91145051	1	RETRACTION SHEAVE ASSY	
23	91536019	1	RETRACTION CABLE BRACKET	
24	91531027	1	HOSE GUIDE PLATE	
25	88201034	4	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
26	91141148	1	GUIDE BAR	
27	2160002	3	STRAIGHT LUBE FITTING, 1/8	
28	91146093	1	PUSH BEAM	
29	88201534	1	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 ft lbs)	
30	91033187	1	BEARING PAD	
31	86881273	2	TUBE FITTING	
32	72088049	12 in	NYLON TUBING, 1/4 OD	
33	86881276	2	TUBE FITTING	
34	91141359	1	CABLE SPRING BAR	
35	88501314	2	HEX NUT, 7/8-14	
36	91143251	1	SPRING	
37	91141358	1	CABLE ADJUSTMENT BLOCK	
38	90027472	4	HARDENED WASHER	
39	83201035	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5, (torque to 200-215 ft lbs)	
40	91141144	1	RETRACTION SHEAVE PIN	
41	91143025	1	DOG POINT SET SCREW	
42	88581149	1	RETAINING RING	
43		Ref	PUSH BEAM PIN, (See BOOM CROSS SECTION/PUSH BEAM PIN - 40 FT & 45 FT BOOM for Breakdown)	
44	91041450	1	THRUST WASHER	
45	90027470	AR	HARDENED WASHER, 3/8	
46	91343215	1	SPACER	
47	0100011	AR	LOCTITE 242, (apply to items 16 & 17)	
48	0100075	AR	LOCTITE 545, (apply to item 33)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	14403323	AR	NEVER SEEZE LUBE	

SECTION 3 - ATTACHMENTS

FIGURE 3-1. BUCKETS

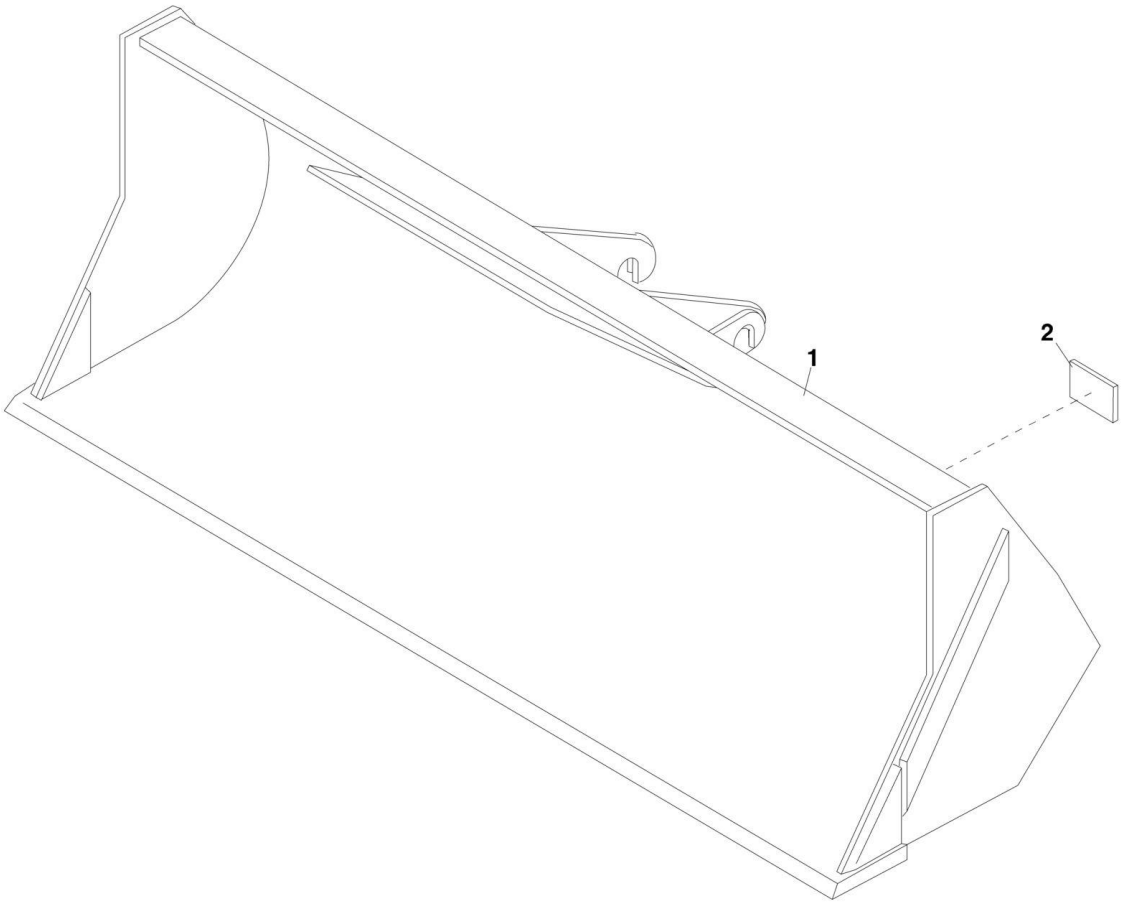


FIGURE 3-1. BUCKETS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91123115	1	48 IN CONCRETE BUCKET, 3/4 ^{3} YARD **(Prior to SN 0160037688)**	C
1	90455049	1	60 IN BUCKET, 3/4 ^{3} YARD **(Prior to SN 0160037688)**	D
1	1001100822	1	72 IN BUCKET, 1.0 ^{3} YARD **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	B
1	90555020	1	74 IN BUCKET, 1-1/4 ^{3} YARD **(Prior to SN 0160037688)**	D
1	90453039	1	74 IN BUCKET, 2^3 YARD **(Prior to SN 0160037688)**	B
1	1001100823	1	96 IN BUCKET, 1.5 ^{3} YARD **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	B
1	1001100824	1	102 IN BUCKET, 2.0 ^{3} YARD **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	B
2	N.S.S.	1	SN PLATE	

FIGURE 3-2. TILT CARRIAGE (534D-9 Prior to SN 0160023516, Excluding 0160023201, 0160023202, 0160023156, 0160023465 and 0160023467; 534D-10 Prior to SN 0160023235, Excluding 0160023157, 0160023231 and 0160023234)

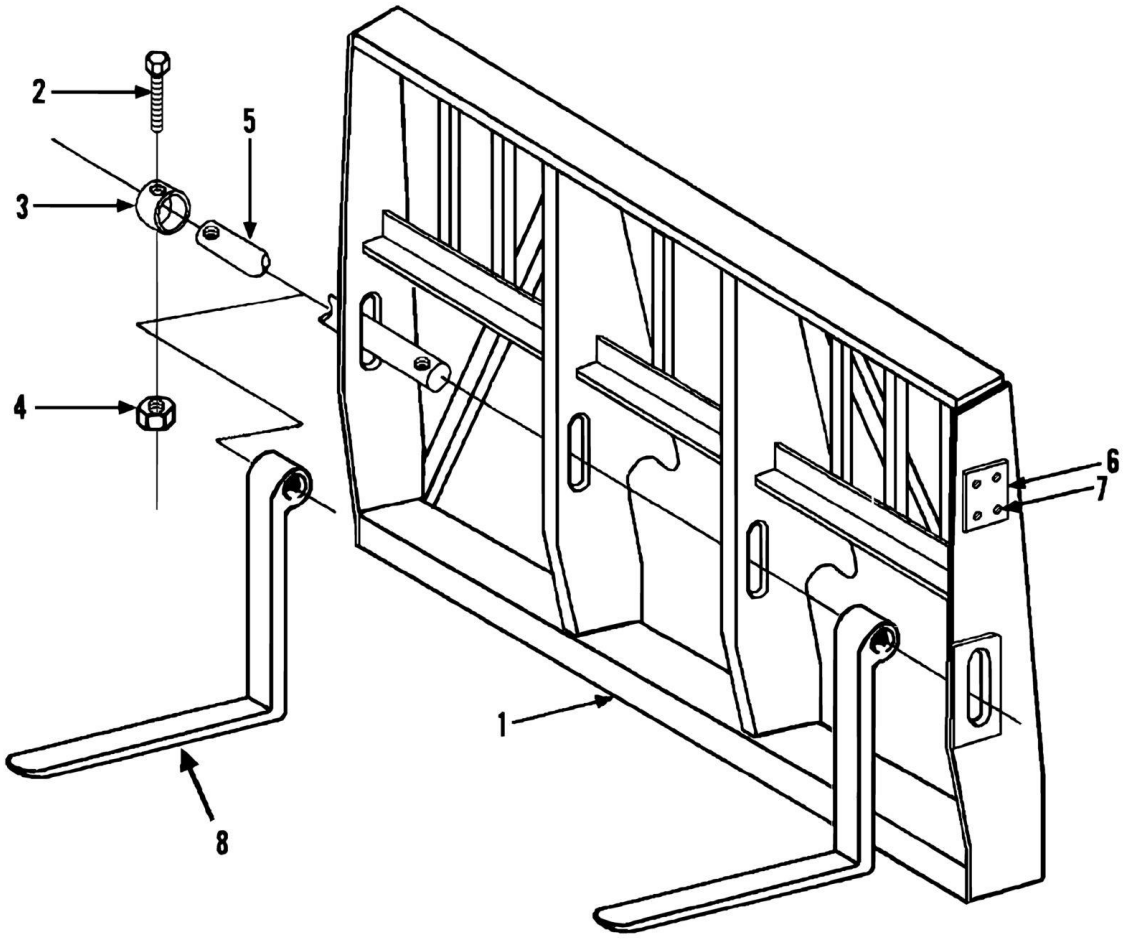


FIGURE 3-2. TILT CARRIAGE (534D-9 Prior to SN 0160023516, Excluding 0160023201, 0160023202, 0160023156, 0160023465 and 0160023467; 534D-10 Prior to SN 0160023235, Excluding 0160023157, 0160023231 and 0160023234)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455051	1	48 IN CARRIAGE ASSY, (includes items 1 thru 7)	H
	90455052	1	66 IN CARRIAGE ASSY, (includes items 1 thru 7)	G
	90555008	1	72 IN CARRIAGE ASSY, (includes items 1 thru 7)	G
1	N.S.S.	1	CARRIAGE WELDMENT	
2	88201105	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
3	90200003	2	COLLAR	
4	88521310	2	HEX LOCKNUT, 5/8-11	
5	90451058	1	FORK PIN, (48 in carriage)	
5	90402478	1	FORK PIN, (66 in carriage)	
5	90551013	1	FORK PIN, (72 in carriage)	
6	N.S.S.	1	SN PLATE	
7	88341022	4	DRIVE SCREW, #10X3/8	
8		Ref	FORKS, (See FORKS for Breakdown)	

FIGURE 3-3. TILT CARRIAGE (534D-9 SN 0160023516 to Present, Including 0160023201, 0160023202, 0160023156, 0160023465 and 0160023467; 534D-10 SN 0160023235 to Present, Including 0160023157, 0160023231 and 0160023234)

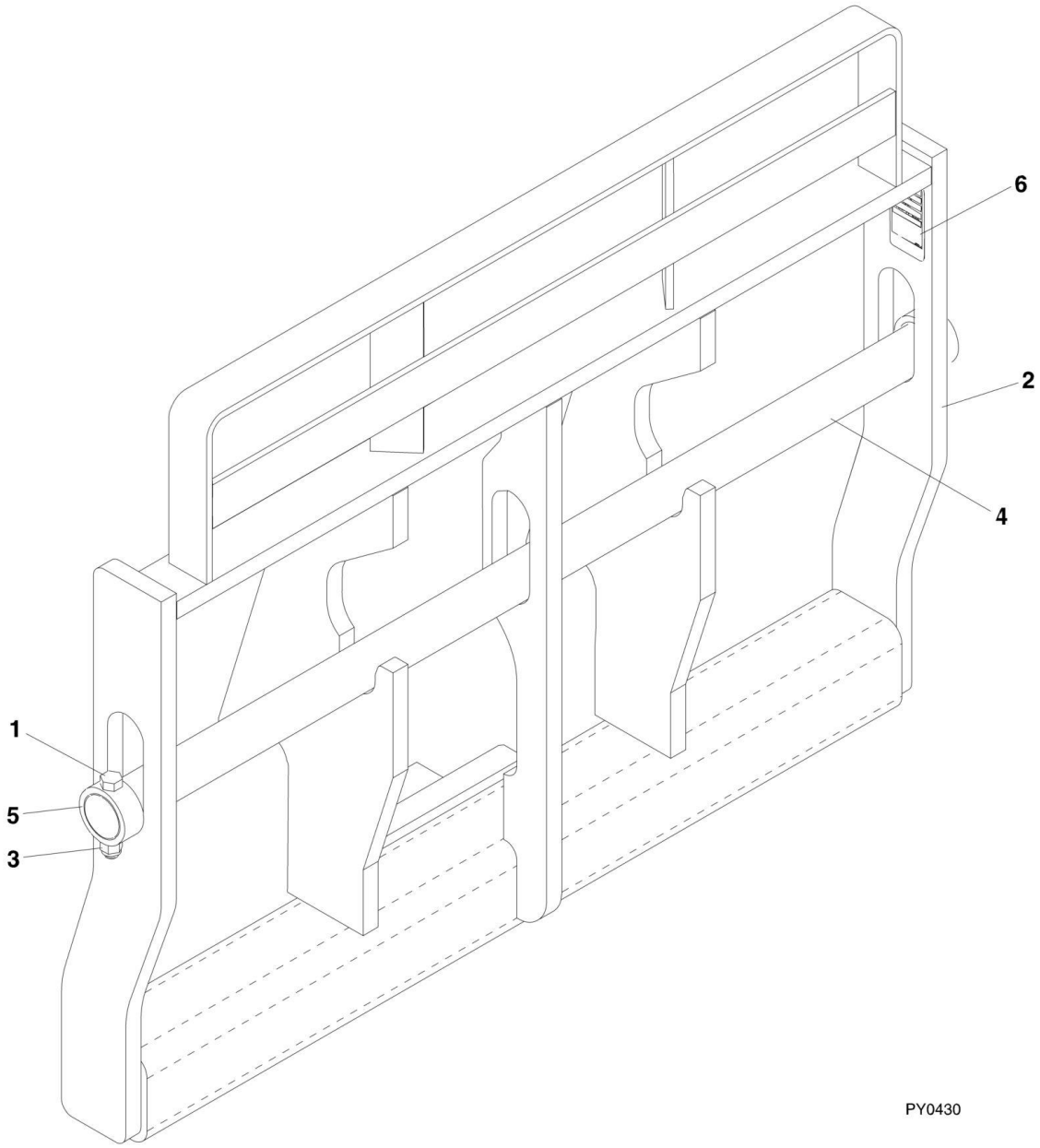


FIGURE 3-3. TILT CARRIAGE (534D-9 SN 0160023516 to Present, Including 0160023201, 0160023202, 0160023156, 0160023465 and 0160023467; 534D-10 SN 0160023235 to Present, Including 0160023157, 0160023231 and 0160023234)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170020	1	50 IN TILT CARRIAGE, (includes all items)	C
	1170021	1	50 IN TILT CARRIAGE, (includes all items) **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	D
	1170023	1	60 IN TILT CARRIAGE, (includes all items)	C
	1170024	1	60 IN TILT CARRIAGE, (includes all items) **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	D
	1170026	1	72 IN TILT CARRIAGE, (includes all items)	C
	1170027	NLA	72 IN TILT CARRIAGE, (no longer available, use 1001132514 for service), (includes all items)	E
	1001132514	1	72 IN TILT CARRIAGE, (includes all items)	A
1	0642032	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
2	N.S.S.	1	TILT CARRIAGE	
3	3300240	2	LOCKNUT, 5/8-11	
4	3423275	1	50 IN FORK PIN	
4	3423242	1	60 IN FORK PIN	
4	3423276	1	72 IN FORK PIN	
5	90200003	2	COLLAR	
6	N.S.S.	1	SN PLATE	

FIGURE 3-4. TRUSS BOOM (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

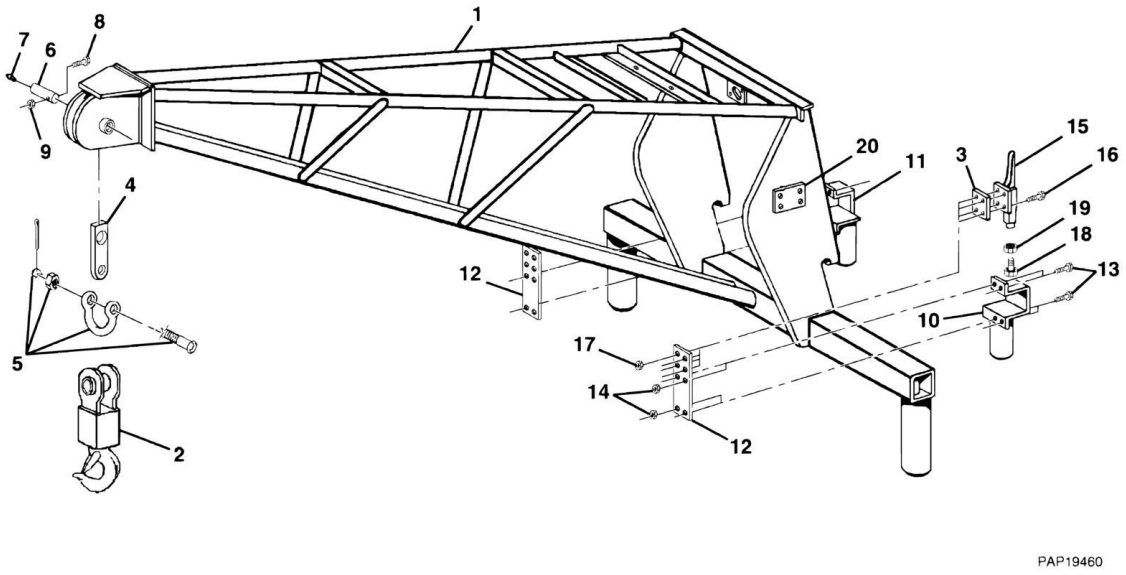


FIGURE 3-4. TRUSS BOOM (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455011	1	TRUSS BOOM, (includes all items)	K
1	N.S.S.	1	TRUSS BOOM WELDMENT	
2	90453040	1	SWIVEL HOOK	
2	91164440	1	SAFETY LATCH KIT	
3	90451047	2	SPACER	
4	90451053	1	HANGER	
5	90453041	1	SHACKLE, (includes attachment hardware)	
5		Ref	BOLT	
5		Ref	NUT	
5		Ref	COTTER PIN	
6	90402948	1	PIN	
7	88671001	1	STRAIGHT LUBE FITTING, 1/8	
8	88201073	1	HEX HD CAPSCREW, 1/2-13X3, GR5	
9	88501008	1	HEX NUT, 1/2-13	
10	90602905	1	SLIDER BRACKET	
11	90602904	1	SLIDER BRACKET	
12	90403437	2	SLIDER BAR	
13	88201036	8	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
14	88501006	8	HEX NUT, 3/8-16	
15	90207884	2	LOCKING CLAMP	
16	88201021	8	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
17	88501005	8	HEX NUT, 5/16-18	
18	88201035	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
19	88501106	2	HEAVY HEX JAM NUT, 3/8-16	
20	N.S.S.	1	SN PLATE	

FIGURE 3-5. TRUSS BOOM (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

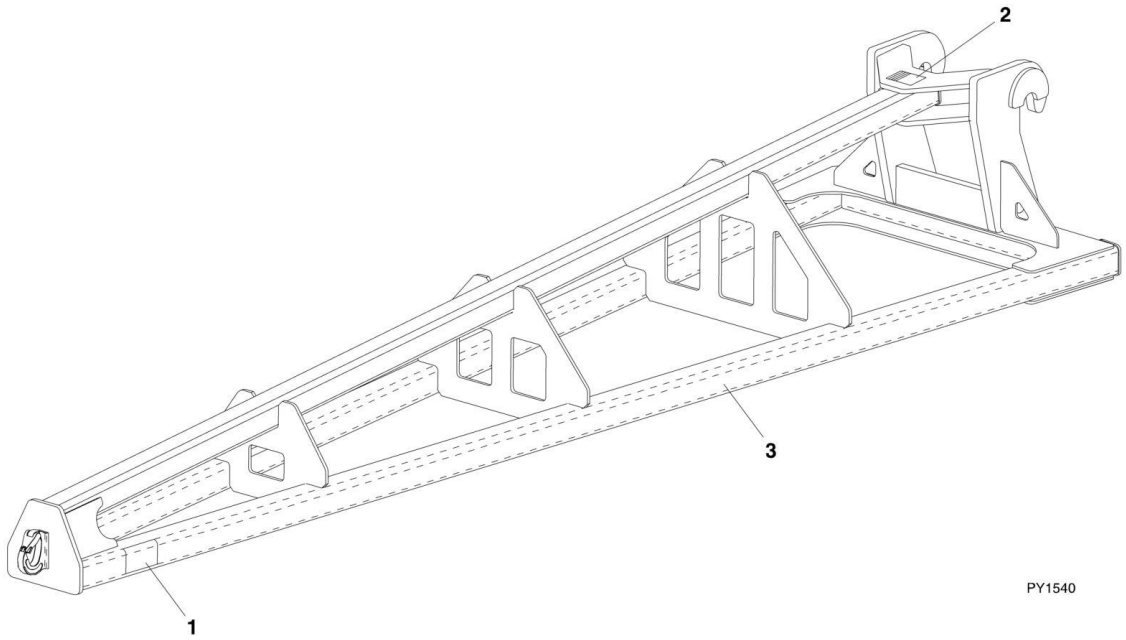


FIGURE 3-5. TRUSS BOOM (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099902	1	12 FT TRUSS BOOM, (includes all items)	A
	1001099901	1	15 FT TRUSS BOOM, (includes all items)	C
1	4110422	2	DANGER SWINGING LOADS DECAL	
2	N.S.S.	1	SN PLATE	
3	N.S.S.	1	TRUSS BOOM	

FIGURE 3-6. TRUSS BOOM W/WINCH (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

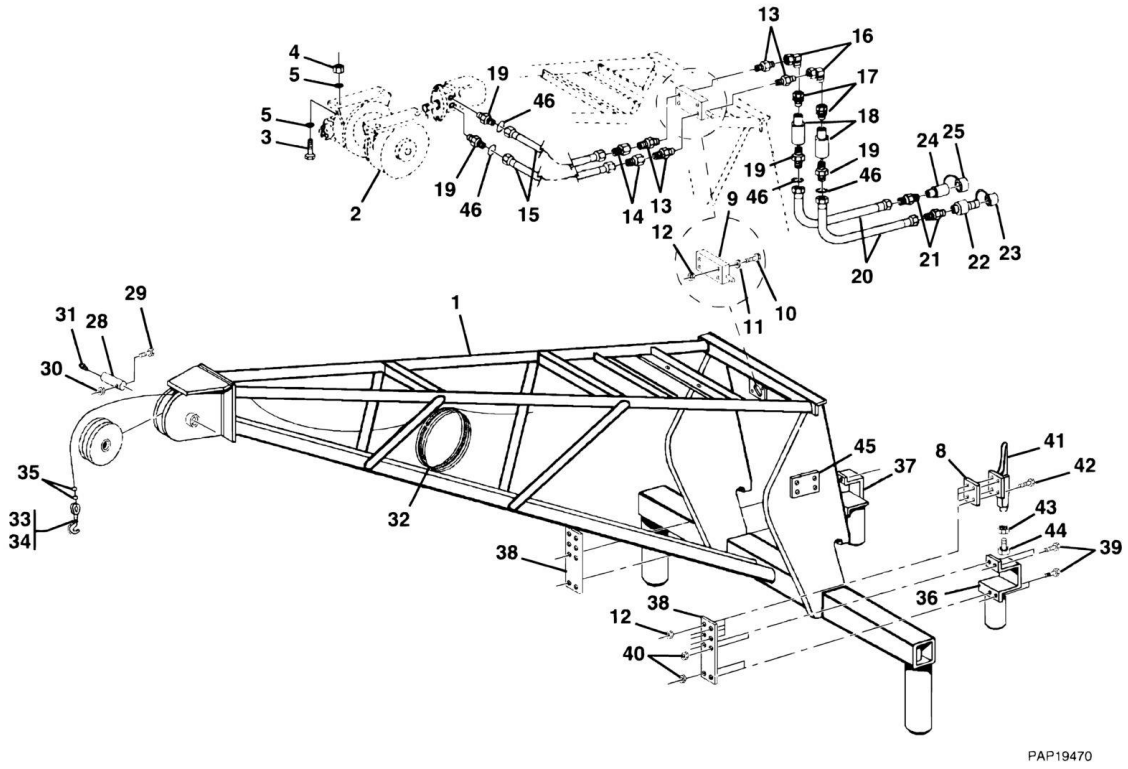


FIGURE 3-6. TRUSS BOOM W/WINCH (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455012	1	TRUSS BOOM ASSY W/WINCH, (includes all items)	Q
1	N.S.S.	1	TRUSS BOOM WELDMENT	
2		Ref	WINCH W/MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88201096	4	HEX HD CAPSCREW, 5/8-11X1-3/4, GR5	
4	88501010	4	HEX NUT, 5/8-11	
5	88561113	8	FLAT WASHER, 5/8	
8	90451047	2	SPACER	
9		Ref	CROSSOVER VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	88201027	2	HEX HD CAPSCREW, 5/16-18X2-3/4, GR5	
11	88561108	2	FLAT WASHER, 5/16	
12	88501005	10	HEX NUT, 5/16-18	
13	83451104	4	ADAPTER	
14	1001094695	2	ADAPTER	
15	90205121	2	HOSE ASSY	
16	2220973	2	ELBOW, 90, (swivel nut)	
17	2220898	2	ADAPTER	
18	90207880	2	FLOW LIMITER	
19	2220374	4	CONNECTOR, (includes item 46)	
20	84717644	2	HOSE ASSY	
21	88661013	2	MALE CONNECTOR, 1/2X1/2, (Prior to SN 2005283-01)	
21	2220373	2	CONNECTOR, (SN 2005283-01 to Present), (includes 8859-1205 o-ring)	
22	91163138	1	MALE TIP COUPLER, (Prior to SN 2005283-01)	
22	91403414	1	MALE TIP COUPLER, (SN 2005283-01 to Present)	
23	91043126	1	DUST CAP	
24	91163139	1	FEMALE COUPLER, (Prior to SN 2005283-01)	
24	91403413	1	FEMALE COUPLER, (SN 2005283-01 to Present)	
25	91043125	1	DUST PLUG	
26	90403056	1	SHEAVE	
28	90402948	1	PIN	
29	88201073	1	HEX HD CAPSCREW, 1/2-13X3, GR5	
30	88501008	1	HEX NUT, 1/2-13	
31	88671001	1	STRAIGHT LUBE FITTING, 1/8	
32	90207882	1	WIRE ROPE, 3/8 IN DIAMETER	
33	91403448	1	SWIVEL HOOK	
34	90026965	1	THIMBLE	
35	90028990	2	WIRE ROPE CLIP	
36	90602905	1	SLIDER BRACKET	
37	90602904	1	SLIDER BRACKET	
38	90403437	2	SLIDER BAR	
39	88201036	8	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
40	88501006	8	HEX NUT, 3/8-16	
41	90207884	2	LOCKING CLAMP	
42	88201021	8	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
43	88201035	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
44	88501106	2	HEAVY HEX JAM NUT, 3/8-16	
45	N.S.S.	1	SN PLATE	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	88591206	4	O-RING	

FIGURE 3-7. TRUSS BOOM W/WINCH (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

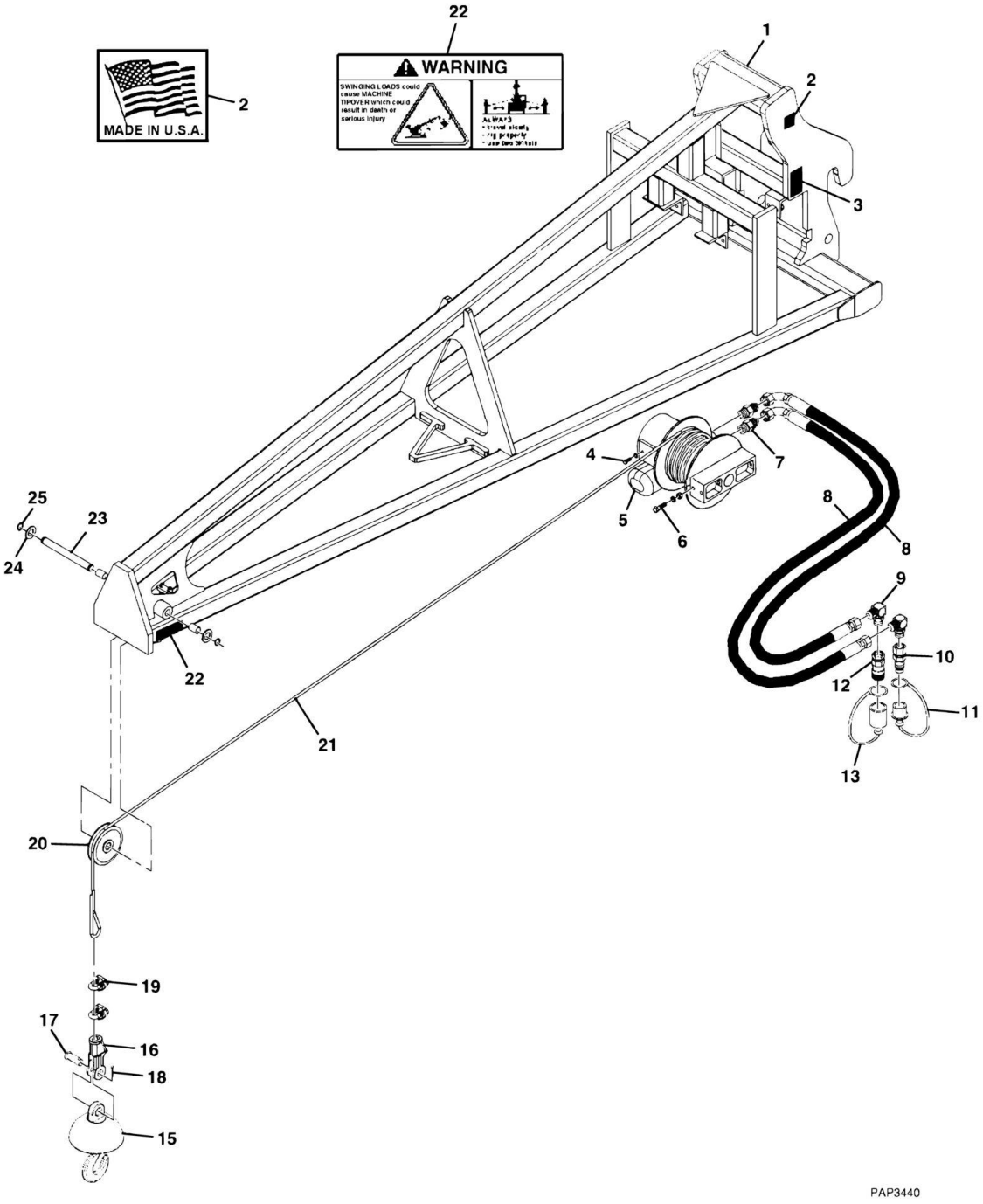
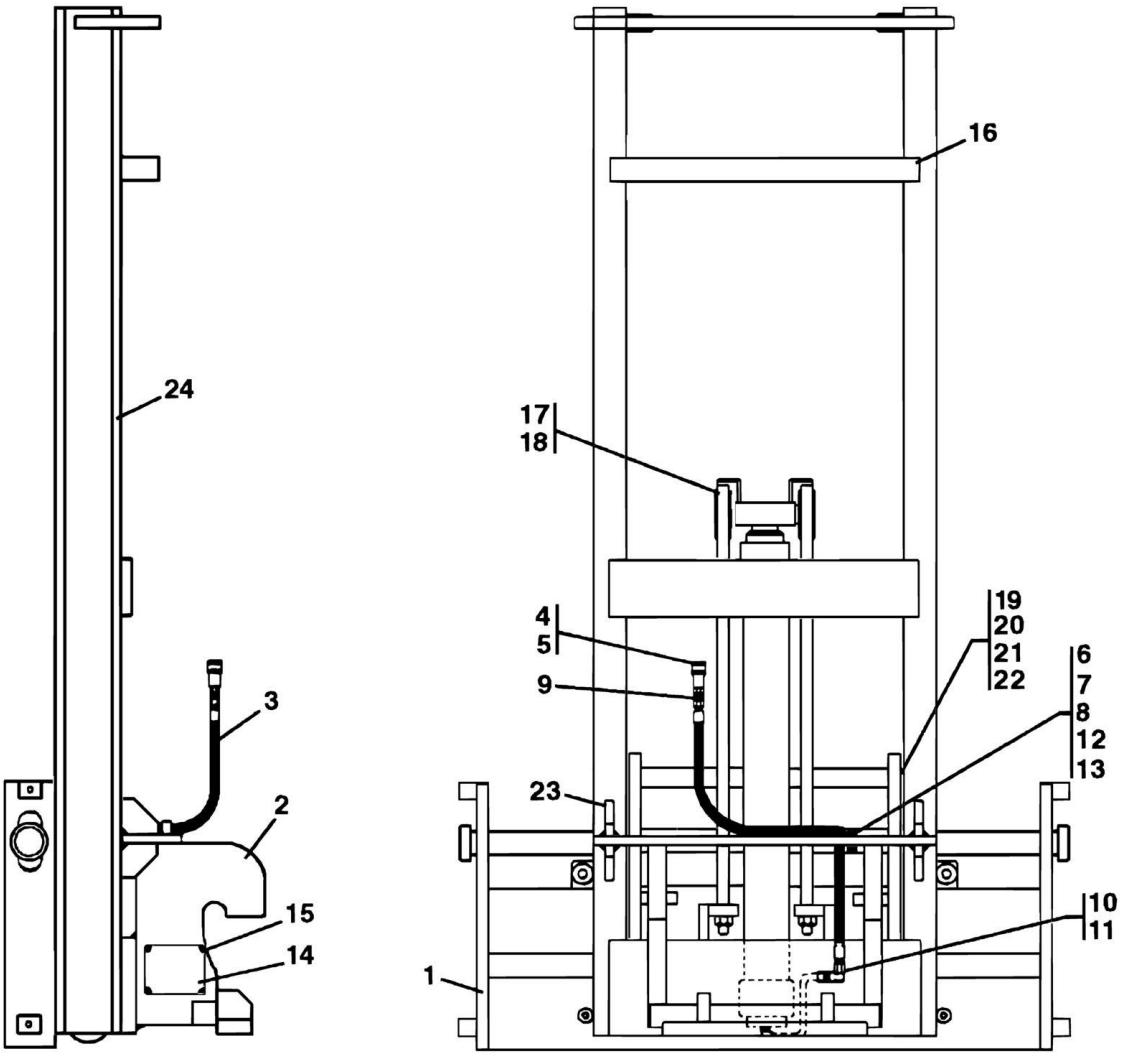


FIGURE 3-7. TRUSS BOOM W/WINCH (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	1	12 FT TRUSS BOOM W/WINCH, (includes all items)	F
1	N.S.S.	1	TRUSS BOOM FRAME	
2	90554016	1	MADE IN USA DECAL	
3	N.S.S.	1	SN PLATE	
4	70021349	4	HEX HD CAPSCREW, 3/8X1	
4	90554042	4	LOCKWASHER, 3/8	
5	70021921	1	TRUSS BOOM WINCH MOTOR	
6	N.S.S.	2	HEX HD CAPSCREW, 1/2X1.75	
6	90554020	2	LOCKWASHER, 1/2	
6	90554054	2	HEX NUT, 1/2	
7	70021415	2	CONNECTOR	
8	70021977	2	Hose 32in (Boom Front Disconnect)	
8	70031445	2	Hose 48in (Boom Side Disconnect)	
9	N.S.S.	1	ELBOW, 90	
10	7029692	1	MALE QUICK COUPLER	
11	90554062	1	DUST CAP	
12	70021342	1	FEMALE QUICK COUPLER	
13	90554076	1	DUST COVER	
15	70021978	1	BALL SWIVEL W/SAFETY HOOK	
16	70021979	1	SOCKET ASSY	
17	N.S.S.	1	PIN	
18	N.S.S.	1	COTTER PIN	
19	N.S.S.	2	CLAMP	
20	70021935	1	PULLEY	
21	70022028	1	CABLE	
22	4110422	2	WARNING SWINGING LOADS DECAL	
23	N.S.S.	1	PIN	
24	N.S.S.	2	FLAT WASHER, 1	
25	N.S.S.	2	SNAP RING	

FIGURE 3-8. 6 FT VERTICAL MAST (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)



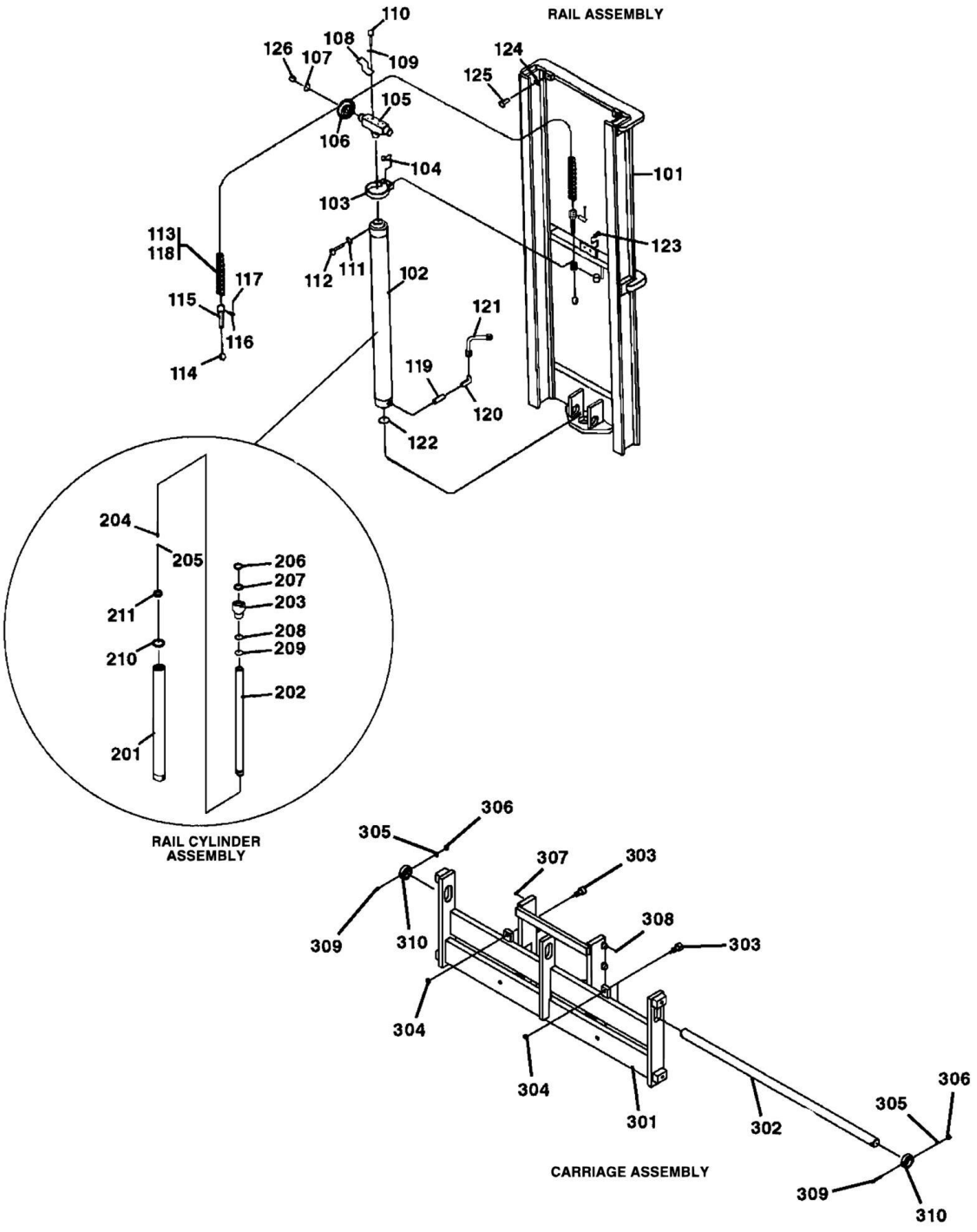

RAIL ASSEMBLY
110
108
126
107
109
124
125
105
106
104
101
103
113
118
123
112
111
102
117
115
121
116
119
114
120
122
204
205
206
207
211
203
208
210
209
202
201
RAIL CYLINDER ASSEMBLY
306
305
307
303
309
310
308
303
304
304
301
302
306
305
CARRIAGE ASSEMBLY
309
310

FIGURE 3-8. 6 FT VERTICAL MAST (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455035	1	MAST ASSY, (48 in carriage), (includes all items)	R
	90455037	1	MAST ASSY, (66 in carriage), (includes all items)	R
1	N.S.S.	1	CARRIAGE	
2	N.S.S.	1	ADAPTER WELDMENT	
3	84717640	1	HOSE ASSY	
4	91163138	1	MALE HYDRAULIC COUPLING, (Prior to SN 2005283-01)	
4	91403414	1	MALE HYDRAULIC COUPLING, (SN 2005283-01 to Present)	
5	91043126	1	DUST CAP	
6	24431386	2	CLAMP	
7	88201037	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
8	88561004	2	FLAT WASHER, 3/8	
9	88661013	1	MALE ADAPTER, 1/2X1/2 TUBE, (Prior to SN 2005283-01)	
9	2220373	1	ADAPTER, (includes o-ring), (SN 2005283-01 to Present)	
10	88661016	1	MALE CONNECTOR, 5/8X1/2 TUBE	
11	88661180	1	FEMALE ELBOW, 90, 1/2X1/2 TUBE	
12	88501006	2	HEX NUT, 3/8-16	
13	88551011	2	LOCKWASHER, 3/8	
14	N.S.S.	1	SN PLATE	
15	N.S.S.	4	DRIVE SCREW, #10X3/8	
16	90451039	1	STOP TUBE	
17	91034372	2	RETAINING RING	
18	91034373	2	CHAIN ROLLER	
19	91034374	6	LOAD ROLLER, (inside carriage frame)	
20	91034375	AR	SHIM	
21	91034376	4	SIDE THRUST ROLLER, (small outside roller)	
22	91034377	2	SCREW	
23	91031271	4	GUSSET	
24	90453030	1	6 FT MAST, (includes items 101 thru 125)	B
101	91034431	1	OUTER RAIL ASSY	
102	91034394	1	CYLINDER ASSY, (3-5/8 OD)	
102	00078041	1	SEAL KIT	
102	91034404	1	CYLINDER ASSY, (3-3/4 OD), (includes items 201 thru 211)	
102	00083046	1	SEAL KIT, (includes items 206 thru 211)	
103	91034423	1	CYLINDER RETAINING RING ASSY	
104	91034422	2	NUT	
105	91034393	1	FREE LIFT CYLINDER HEAD	
106	91034373	2	CHAIN SHIEVE	
107	91034372	2	RETAINING RING	
108	91034421	2	GUARD	
109	91034420	4	LOCKWASHER	
110	91034419	4	SCREW	
111	8033686	1	LOCKWASHER	
112	91034424	1	SCREW	
113	91034417	2	CHAIN ASSY, (includes items 114 thru 118)	
114	8033693	4	NUT	
115	8033690	4	CHAIN ANCHOR	
116	8033691	4	CHAIN CONNECT PIN	
117	8033692	8	COTTER PIN	
118	91034392	2	CHAIN	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
119	91034428	1	FLOW VALVE	
120	91034427	1	FITTING	
121	91034426	1	TUBE	
122	91034429	1	RETAINING RING	
123	91034430	2	BOLT	
124	91034433	2	LOCKWASHER	
125	91034434	2	SCREW	
126	91034418	2	PLUG	
201	91034405	1	OUTER TUBE ASSY	
202	91034408	1	PISTON AND RAM ASSY	
203	91034409	1	GLAND NUT	
204	91034407	1	CHECK VALVE	
205	91034406	1	RETAINING RING	
206	N.S.S.	1	WIPER	
207	N.S.S.	1	U-CUP, (gland nut)	
208	N.S.S.	1	BACK-UP RING, (gland nut)	
209	N.S.S.	1	O-RING, (gland nut)	
210	N.S.S.	1	U-CUP, (piston)	
211	N.S.S.	1	WEAR RING	
301	N.S.S.	1	CARRIAGE WELDMENT	
302	91034410	1	SHAFT, (48 in carriage)	
302	91034432	1	SHAFT, (66 in carriage)	
303	91034376	4	THRUST ROLLER	
304	8033698	2	NUT	
305	8033686	2	LOCKWASHER	
306	91034413	2	NUT	
307	91034377	2	FLAT HEAD SCREW	
308	91034414	2	GREASE FITTING	
309	91034415	2	BOLT	
310	91034416	2	END RING	

FIGURE 3-9. 48 IN SLOPE PILER CARRIAGE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

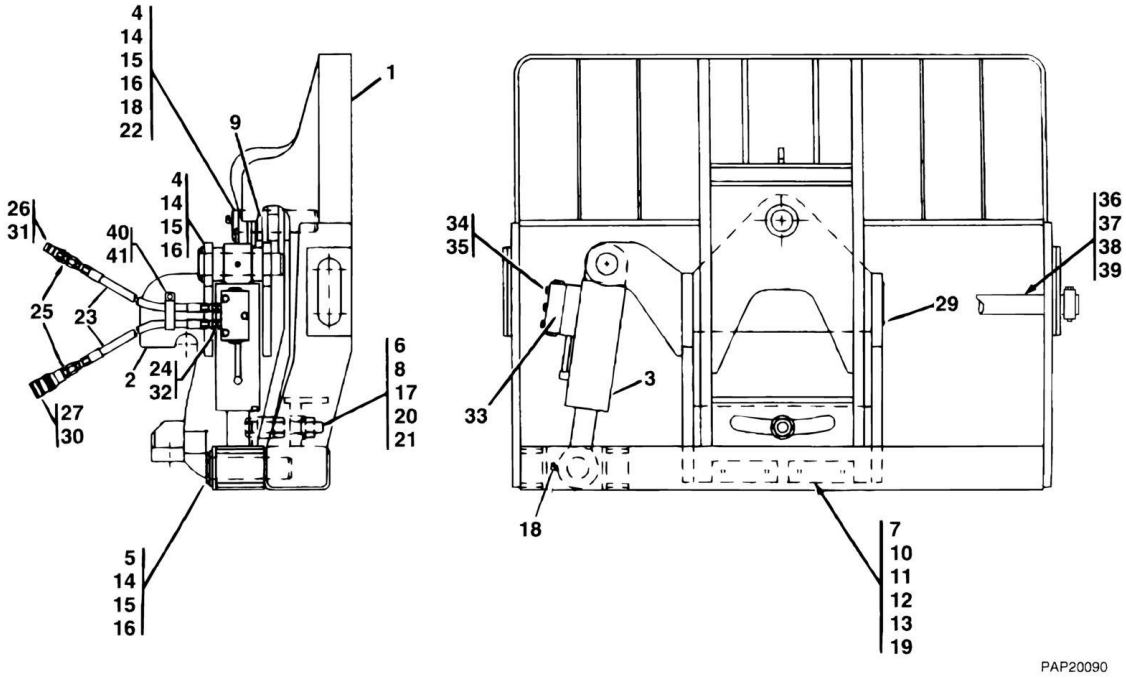


FIGURE 3-9. 48 IN SLOPE PILER CARRIAGE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085058	Ref	48 IN SLOPE PILER CARRIAGE, (includes all items)	U
1	N.S.S.	1	CARRIAGE WELDMENT	
2	N.S.S.	1	ADAPTER WELDMENT	
3		Ref	SWAY CYLINDER, (See OPTIONS SECTION for Breakdown)	
4	91083248	1	BUSHING	
5	3423263	2	PIN	
6	90204007	1	TUBE	
7	91033186	2	BEARING PAD	
8	91081577	1	TAP BOLT	
9	91081594	1	THRUST WASHER	
10	90205870	AR	SHIM	
11	91031236	2	SPACER	
12	88201535	4	HEX HD CAPSCREW, 3/8-24X1-1/4, GR5	
13	88201534	4	HEX HD CAPSCREW, 3/8-24X1, GR5	
14	91081313	3	KEEPER PLATE	
15	88201065	6	HEX HD CAPSCREW, 1/2-13X1, GR5	
16	88551013	6	LOCKWASHER, 1/2	
17	88521016	1	HEX LOCKNUT, 1-8	
18	88671022	2	LUBE FITTING, 90, 1/8	
19	88561109	4	FLAT WASHER, 3/8	
20	88501016	1	HEX NUT, 1-8	
21	05101441	1	WASHER, 1-1/16	
22	91081622	1	PIN	
23	84716434	2	HOSE ASSY	
24	2220603	2	ADAPTER	
25	88661010	2	ADAPTER, (Prior to SN 2005283-01)	
25	2220372	2	ADAPTER, (SN 2005283-01 to Present)	
26	91163138	1	MALE QUICK DISCONNECT, (Prior to SN 2005283-01)	
26	91403414	1	MALE QUICK DISCONNECT, (SN 2005283-01 to Present)	
27	91163139	1	FEMALE QUICK DISCONNECT, (Prior to SN 2005283-01)	
27	91403413	1	FEMALE QUICK DISCONNECT, (SN 2005283-01 to Present)	
29	N.S.S.	1	SN PLATE	
30	91043125	1	DUST PLUG	
31	91043126	1	DUST CAP	
32	8760268	2	ELBOW, 90, (swivel nut)	
33		Ref	DUAL P.O. CHECK VALVE, (See OPTIONS SECTION for Breakdown)	
34	88201040	3	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
35	88551011	3	LOCKWASHER, 3/8	
36	90451058	1	FORK PIN	
37	90200003	2	COLLAR	
38	88201105	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
39	88521310	2	LOCKNUT, 5/8-11	
40	84521062	1	SUPPORT CLAMP	
41	77143015	1	WHIZ-LOCKNUT, 3/8-16	

FIGURE 3-10. 66 IN SLOPE PILER CARRIAGE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

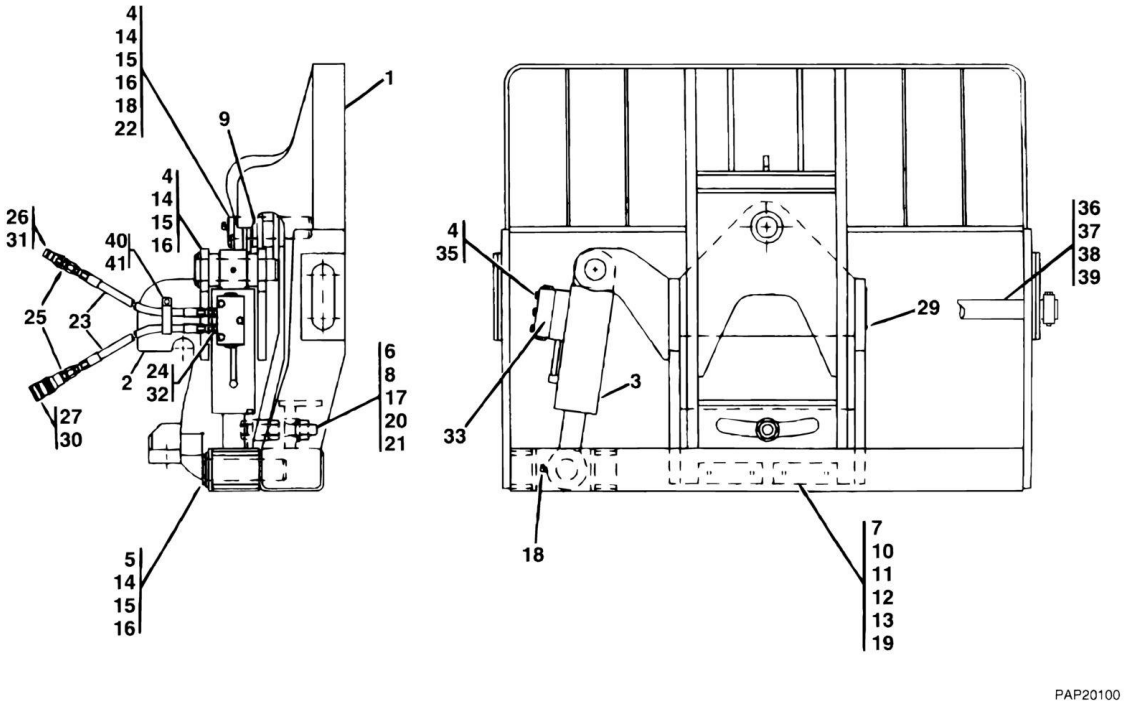
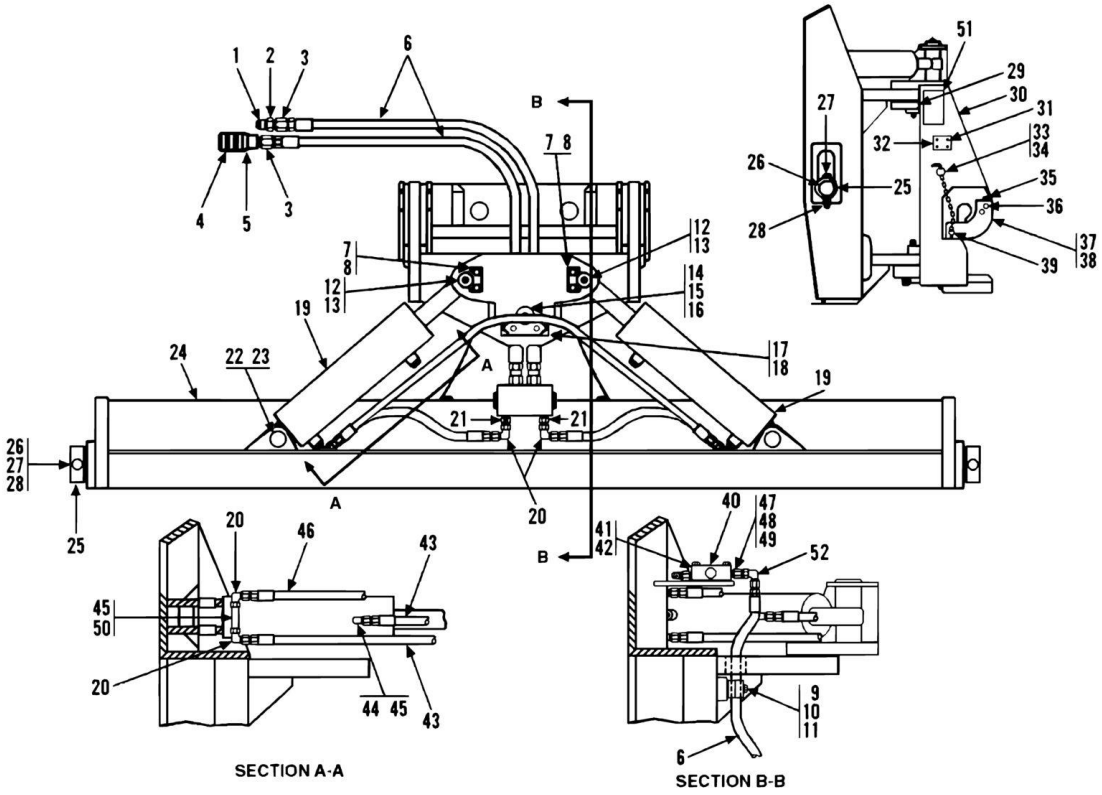


FIGURE 3-10. 66 IN SLOPE PILER CARRIAGE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91305016	Ref	66 IN SLOPE PILER CARRIAGE, (includes all items)	U
1	N.S.S.	1	CARRIAGE WELDMENT	
2	N.S.S.	1	ADAPTER WELDMENT	
3		Ref	SWAY CYLINDER, (See OPTIONS SECTION for Breakdown)	
4	91083248	1	BUSHING	
5	3423263	2	PIN	
6	90204007	1	TUBE	
7	91033186	2	BEARING PAD	
8	91081577	1	TAP BOLT	
9	91081594	1	THRUST WASHER	
10	90205870	AR	SHIM	
11	91031236	2	SPACER	
12	88201535	4	HEX HD CAPSCREW, 3/8-24X1-1/4, GR5	
13	88201534	4	HEX HD CAPSCREW, 3/8-24X1, GR5	
14	91081313	3	KEEPER PLATE	
15	88201065	6	HEX HD CAPSCREW, 1/2-13X1, GR5	
16	88551013	6	LOCKWASHER, 1/2	
17	88521016	1	HEX LOCKNUT, 1-8	
18	88671022	2	LUBE FITTING, 90, 1/8	
19	88561109	4	FLAT WASHER, 3/8	
20	88501016	1	HEX NUT, 1-8	
21	05101441	1	WASHER, 1-1/16	
22	91081622	1	PIN	
23	84716434	2	HOSE ASSY	
24	2220603	2	CONNECTOR	
25	88661010	2	CONNECTOR, (Prior to SN 2005283-01)	
25	2220372	2	CONNECTOR, (SN 2005283-01 to Present)	
26	91163138	1	MALE QUICK DISCONNECT, (Prior to SN 2005283-01)	
26	91403414	1	MALE QUICK DISCONNECT, (SN 2005283-01 to Present)	
27	91163139	1	FEMALE QUICK DISCONNECT, (Prior to SN 2005283-01)	
27	91403413	1	FEMALE QUICK DISCONNECT, (SN 2005283-01 to Present)	
29	N.S.S.	1	SN PLATE	
30	91043125	1	DUST PLUG	
31	91043126	1	DUST CAP	
32	8760268	2	ELBOW, 90, (swivel nut)	
33		Ref	DUAL P.O. CHECK VALVE, (See OPTIONS SECTION for Breakdown)	
34	88201040	3	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
35	88551011	3	LOCKWASHER, 3/8	
36	91301083	1	FORK PIN	
37	90200003	2	COLLAR	
38	88201105	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
39	88521310	2	LOCKNUT, 5/8-11	
40	84521062	1	SUPPORT CLAMP	
41	77143015	1	WHIZ-LOCKNUT, 3/8-16	

FIGURE 3-11. 100, SWING FORK (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)



NOTE:

USE LOCTITE® 242™ (P/N 14403364) ON ALL BOLT, THREADS & TUBE FITTINGS.

FIGURE 3-11. 100, SWING FORK (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455044	1	100, SWING FORK ASSY, (includes all items)	Q
1	91043126	1	DUST CAP	
2	91163138	1	MALE QUICK DISCONNECT, (Prior to SN 2005283-01)	
2	91403414	1	MALE QUICK DISCONNECT, (SN 2005283-01 to Present)	
3	88661013	2	MALE ADAPTER, 1/2X1/2 TUBE, (Prior to SN 2005283-01)	
3	2220373	2	ADAPTER, (SN 2005283-01 to Present), (includes o-ring)	
4	91043125	1	DUST CAP	
5	91163139	1	FEMALE QUICK DISCONNECT, (Prior to SN 2005283-01)	
5	91403413	1	FEMALE QUICK DISCONNECT, (SN 2005283-01 to Present)	
6	84718067	2	HOSE ASSY	
7	91411073	2	LOCKING PLATE	
8	83201024	4	HEX HD CAPSCREW, 3/8-16X1, SELF-LOCKING, GR8, (nylok)	
9	91083249	1	CLAMP SET	
10	77133140	1	COVER PLATE	
11	77133177	1	HEX HD CAPSCREW, 5/16X1-3/8	
12	91041324	2	PIVOT PIN	
13	88671008	2	STRAIGHT LUBE FITTING, 1/4-28	
14	91041325	2	PIVOT PIN	
15	88671022	2	LUBE FITTING, 90	
16	91041327	2	BUSHING	
17	91041322	2	LOCKING PLATE	
18	83201026	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR8	
19		Ref	SWING CYLINDER, (See OPTIONS SECTION for Breakdown)	
20	8760268	6	ELBOW, 90, (swivel nut)	
21	2220372	2	ADAPTER, (includes item 48)	
22	91041326	2	PIVOT PIN	
23	88581136	4	RETAINING RING	
24	N.S.S.	1	CARRIAGE WELDMENT	
25	90200003	2	COLLAR	
26	90551013	1	FORK PIN	
27	88201105	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
28	88521310	2	LOCKNUT	
29	91041356	6	SPACER	
30	91046062	1	PIVOT WELDMENT	
31	N.S.S.	4	DRIVE SCREW, #10X3/8	
32	N.S.S.	1	SN PLATE	
33	91033039	2	CHAIN CONNECTOR	
34	91033038	24 in	CHAIN	
35	88631449	2	ROLL PIN, 1/8X1-1/2	
36	91141350	2	PIN	
37	91146053	1	LH SUPPORT BRACKET	
38	91146054	1	RH SUPPORT BRACKET	
39	91043221	2	DETENT PIN	
40	91043186	1	DOUBLE PILOT CHECK VALVE	
41	88561002	2	FLAT WASHER, 1/4	
42	88201008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
43	90204097	2	HOSE ASSY	
44	2220501	2	ELBOW, 45, (includes item 45)	
45		Ref	O-RING	
46	77133201	2	HOSE ASSY	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	91041361	2	FITTING	
48		Ref	O-RING	
49	91041362	2	ORIFICE FITTING	
50	2220899	2	TEE FITTING, (includes item 45)	
51	91143282	2	PINCH POINT DECAL	
52	8765204	2	ELBOW, 90, (swivel nut)	

FIGURE 3-12. QUICK HOOK ASSEMBLY

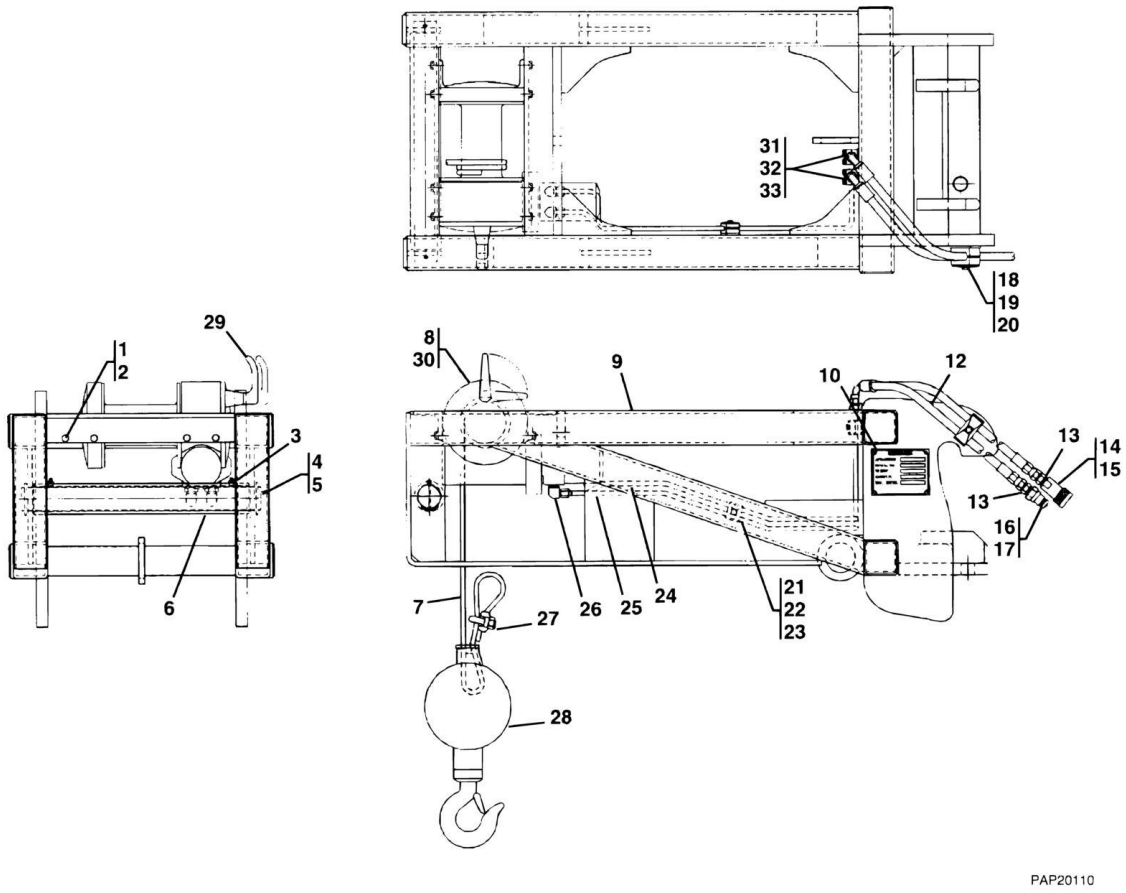
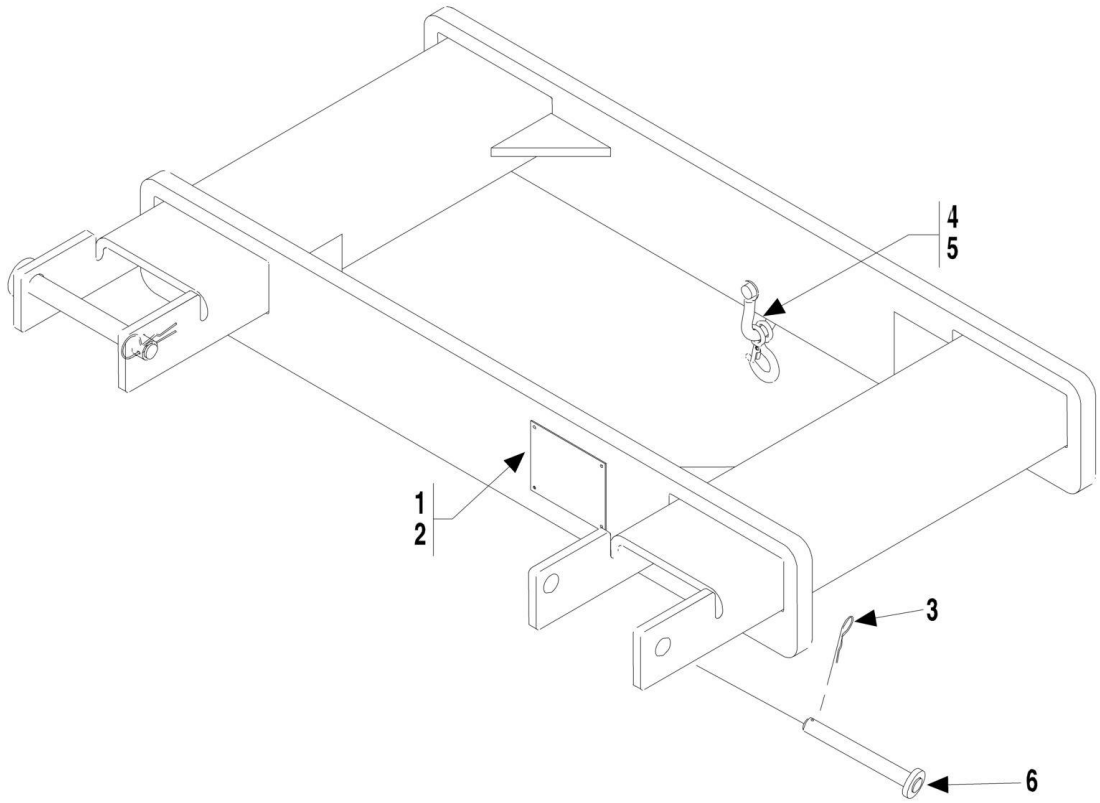


FIGURE 3-12. QUICK HOOK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085056	Ref	QUICK HOOK ASSY, (includes all items)	J
1	88551011	8	LOCKWASHER, 3/8	
2	88201034	8	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
3	88671001	2	STRAIGHT LUBE FITTING, 1/8	
4	91081574	1	PIN	
5	88631343	2	COTTER PIN	
6	91081573	1	ROLLER	
7	91083368	1	WIRE ROPE, (7/16 in Dia)	
8	91083367	1	WINCH	
9	N.S.S.	1	QUICK HOOK WELDMENT	
10	N.S.S.	1	SN PLATE	
12	90205126	2	HOSE ASSY	
13	77363079	2	STRAIGHT THREAD CONNECTOR (Prior to SN 2005283-01)	
13	2220373	2	CONNECTOR, (SN 2005283-01 to Present), (includes 88591205 o-ring)	
14	91043125	1	DUST CAP	
15	91163139	1	FEMALE HYDRAULIC COUPLING (Prior to SN 2005283-01)	
15	91403413	1	FEMALE HYDRAULIC COUPLING, (SN 2005283-01 to Present)	
16	91043126	1	DUST CAP	
17	91163138	1	MALE HYDRAULIC COUPLING (Prior to SN 2005283-01)	
17	91403414	1	MALE HYDRAULIC COUPLING, (SN 2005283-01 to Present)	
18	77133136	1	STAUFF CLAMP SET	
19	77133137	1	STAUFF COVER PLATE	
20	88201023	1	HEX BOLT	
21	77133270	1	STAUFF CLAMP SET	
22	88561002	1	STAUFF COVER PLATE	
23	88201005	1	HEX BOLT	
24	91143276	1	TUBE ASSY	
25	91143275	1	TUBE ASSY	
26	88661110	2	MALE ELBOW, 90, 3/8X1/2 TUBE	
27	90029999	1	WIRE ROPE CLAMP, 7/16	
28	90201443	1	HOOK AND BALL	
29	91143277	1	L-HANDLE	
30	91081737	1	WEDGE	
31	91063040	2	CLAMP SET	
32	91063039	2	COVER PLATE	
33	88201006	4	HEX BOLT	

FIGURE 3-13. FORK MOUNTED LIFTING HOOK (PRIOR TO SN 2005134-01)



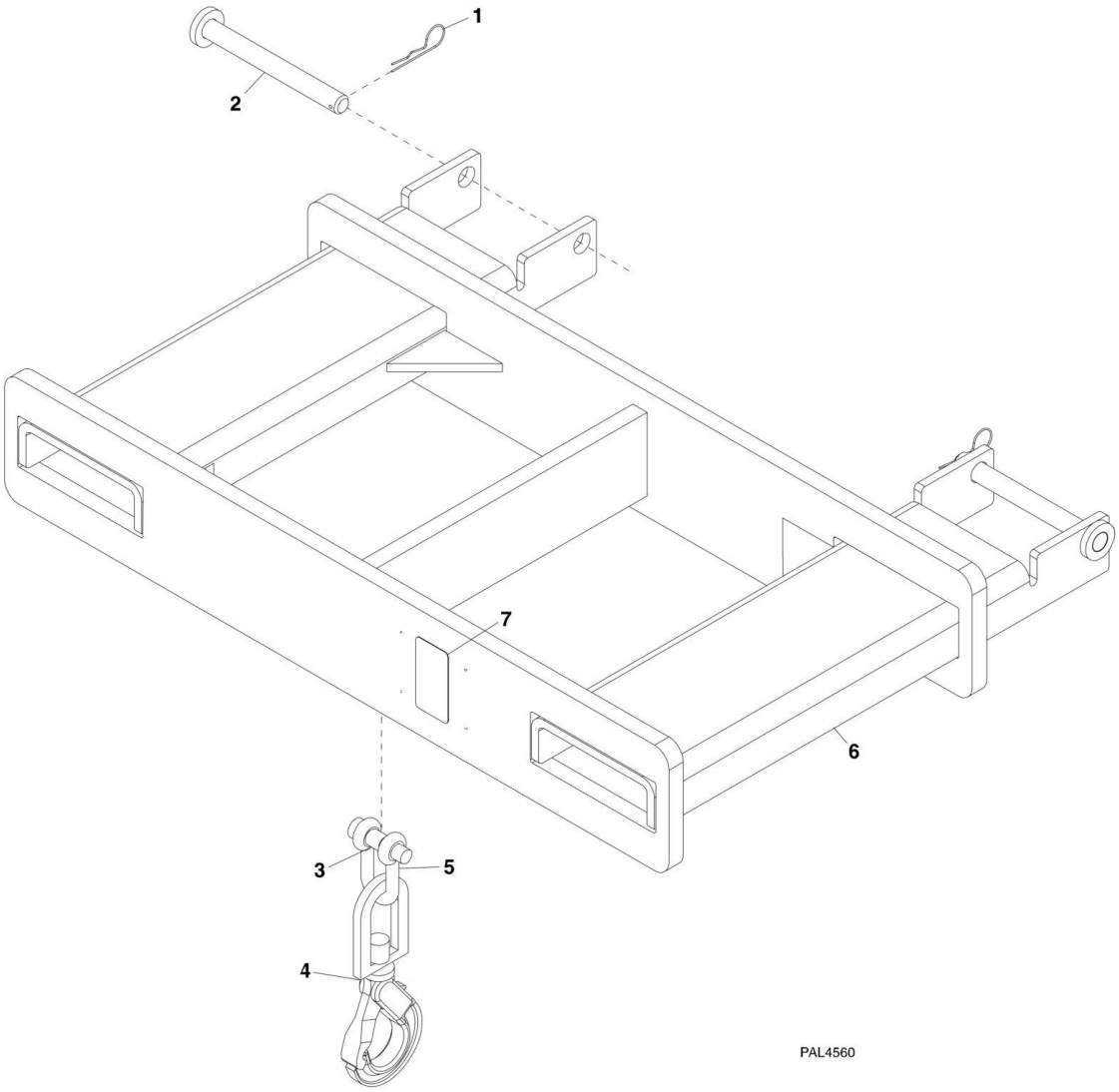
NOTE:

PALLET/LUMBER FORKS OF AN APPROPRIATE LOAD RATING MUST BE USED

FIGURE 3-13. FORK MOUNTED LIFTING HOOK (PRIOR TO SN 2005134-01)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90553036	NLA	FORK MOUNTED LIFTING HOOK, (no longer available, order 91565094 for replacement or see items 1 thru 6 for service)	E
1	N.S.S.	1	SN AND ATTACHMENT PLATE	
2	88341022	4	DRIVE SCREW, 3/8	
3	7029520	2	HAIRPIN CLIP	
4	90554079	1	CLEVIS CONNECTOR	
5	90554080	1	HOOK	
6	1001093171	2	PIN	

FIGURE 3-14. FORK MOUNTED LIFTING HOOK (SN 2005134-01 TO PRESENT)



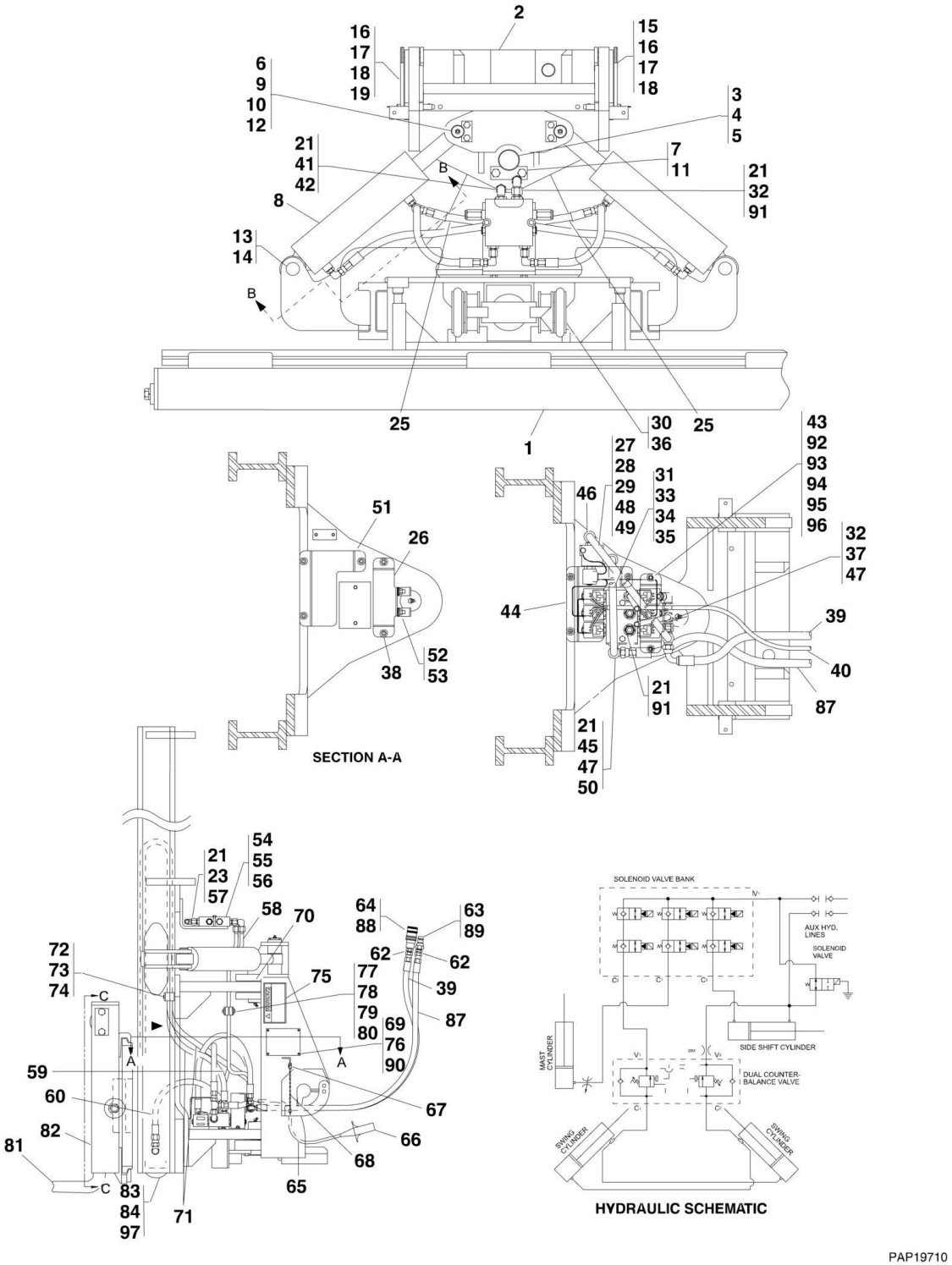
NOTE:

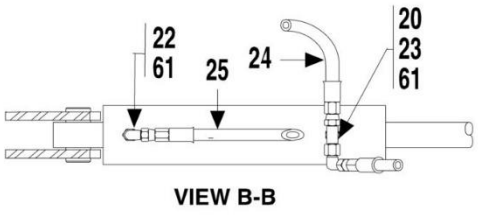
PALLET/LUMBER FORKS OF AN APPROPRIATE LOAD RATING MUST BE USED.

FIGURE 3-14. FORK MOUNTED LIFTING HOOK (SN 2005134-01 TO PRESENT)

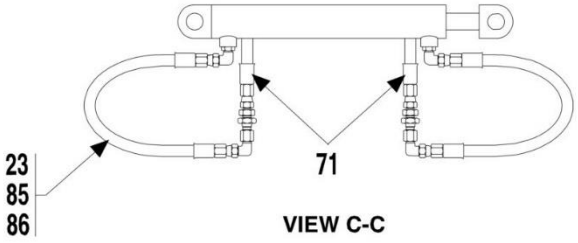
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91565094	1	FORK MOUNTED LIFTING HOOK, (includes all items)	F
1	7029520	2	HAIRPIN CLIP	
2	1001093171	2	PIN	
3	70020555	1	SPRING BUSHING	
4	90554080	1	SLING HOOK	
5	7029521	1	CHAIN SHACKLE, 12,000LB	
6	90554080	1	LIFTING HOOK	
7	N.S.S.	1	SN PLATE	

FIGURE 3-15. 6 FT SWING MAST W/SIDE SHIFT (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)





VIEW B-B



VIEW C-C

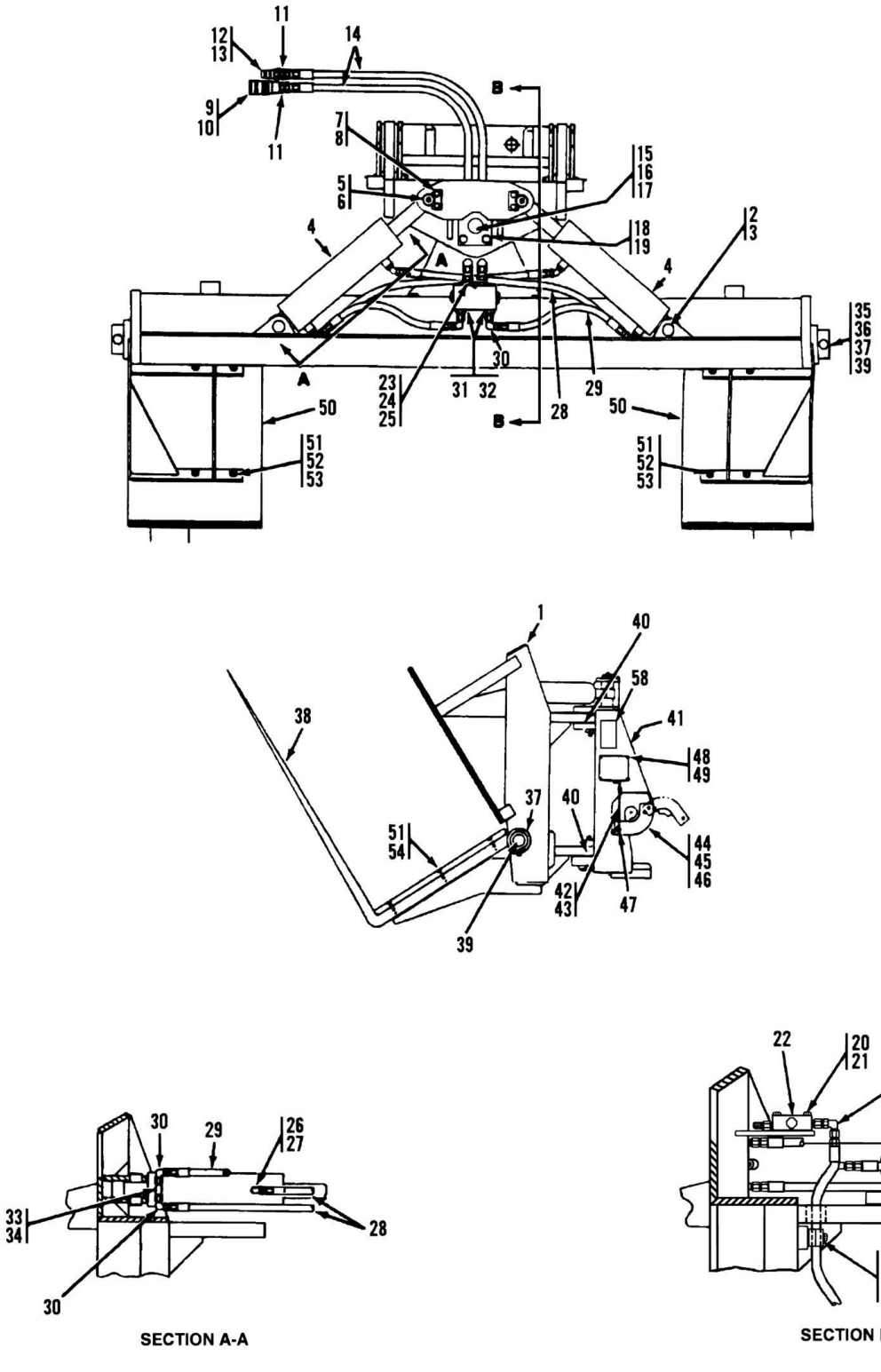
FIGURE 3-15. 6 FT SWING MAST W/SIDE SHIFT (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455047	Ref	6FT SWING MAST W/SIDE SHIFT, (includes all items)	Z
1	N.S.S.	1	MAST WELDMENT	
2	N.S.S.	1	SWING FORK PIVOT WELDMENT	
3	91041325	2	PIVOT PIN	
4	88671018	2	LUBE FITTING, 45, 1/8	
5	91041327	2	BUSHING	
6	91411073	2	LOCKING PLATE	
7	83201026	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR8	
8		Ref	HYDRAULIC CYLINDER, (See OPTIONS SECTION for Breakdown)	
9	91041324	2	PIVOT PIN	
10	88671008	2	STRAIGHT LUBE FITTING, 1/4-28	
11	91041322	2	LOCKING PLATE	
12	83201024	4	HEX HD CAPSCREW, 3/8-16X1, GR8	
13	91041326	2	PIVOT PIN	
14	88581136	4	SNAP RING	
15	91146053	1	LH SUPPORT BRACKET	
16	91141350	2	PIN	
17	88631449	2	ROLL PIN, 1/8X1-1/2	
18	91043221	2	DETENT PIN	
19	91146054	1	RH SUPPORT BRACKET	
20	2220899	2	TEE FITTING, (includes item 61)	
21		Ref	O-RING	
22	2220473	2	ELBOW, 90, (includes item 61)	
23	8760268	6	ELBOW, 90, (swivel nut)	
24	77133201	2	HOSE ASSY	
25	90204097	2	HOSE ASSY	
26	90451060	1	FRONT COVER, (solenoid valve)	
27	90453043	1	SOLENOID VALVE	
28	88201007	2	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
29	88551009	2	LOCKWASHER, 1/4	
30	91034399	2	HOSE SHEAVE	
31	88551010	2	LOCKWASHER, 5/16	
32	8765204	2	ELBOW, 90, (swivel nut)	
33	90453019	1	SOLENOID VALVE BANK	
34	88201025	2	HEX HD CAPSCREW, 5/16-18X2-1/4, GR5	
35	88561108	2	FLAT WASHER, 5/16	
36	91034400	2	SHOULDER BOLT	
37	2220362	1	TEE FITTING	
38	77143013	5	WHIZ-LOCKNUT, 1/4-20	
39	77133269	1	HOSE ASSY	
40	90453023	1	WIRING HARNESS	
41	90203384	1	ADAPTER	
42	91041362	1	ORIFICE FITTING	
43	91345026	1	DIODE ASSY, (includes items 92 thru 96)	C
44	90453044	1	WIRING HARNESS	
45	84718047	1	HOSE ASSY	
46	77133458	1	HOSE ASSY	
47	2220385	2	TEE FITTING	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	2220726	2	ELBOW, 90	
49	90207719	1	JUMPER WIRE	
50	2220596	1	ELBOW, 90, (includes item 21)	
51	90451061	1	BACK COVER, (solenoid valve)	
52	80673023	2	SUPPORT CLAMP	
53	77143006	2	WHIZ-LOCKNUT, 5/16-18	
54	90453018	1	DUAL COUNTERBALANCE VALVE	
55	88201008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
56	88561002	2	FLAT WASHER, 1/4	
57	2220372	2	ADAPTER, (includes item 21)	
58	90453021	1	TUBE ASSY	
59	90453020	1	TUBE ASSY	
60	84717778	1	HOSE ASSY	
61		Ref	O-RING	
62	88661013	2	MALE ADAPTER, 1/2X1/2 TUBE, (Prior to SN 2005283-01)	
62	2220373	2	ADAPTER, (includes o-ring), (SN 2005283-01 to Present)	
63	91163138	1	HYD COUPLING, MALE TIP, (Prior to SN 2005283-01)	
63	91403414	1	HYD COUPLING, MALE TIP, (SN 2005283-01 to Present)	
64	91043125	1	DUST CAP	
65	90453046	1	WIRING HARNESS	
66	90207662	1	6 CONTACT PLUG	
67	91033039	2	CHAIN CONNECTION	
68	91033038	24 in	CHAIN	
69		Ref	DRIVE SCREW, #10X3/8	
70	91041356	6	SPACER	
71	84717871	2	HOSE ASSY	
72	77133497	2	CLAMP	
73	77133498	2	COVER PLATE	
74	77133499	4	HEX HD CAPSCREW, 1/4-20X1-5/16	
75	91143282	2	PINCH POINT DECAL	
76	91343053	1	ATTENTION DECAL	
77	77133168	1	CLAMP SET	
78	77133140	2	COVER PLATE	
79	88201024	1	HEX HD CAPSCREW, 5/16-18X2, GR5	
80	88501005	1	HEX NUT, 5/16-18	
81		Ref	FORKS, (See FORKS for Breakdown)	
82	90453033	1	66IN SS CARRIAGE	
82	90454003	2	BRONZE GUIDE	
82	90454001	1	CYLINDER	
82	90454002	1	PACKING KIT	
83	91034374	6	LOAD ROLLER	
84	91034375	12	SHIM	
85	84717537	2	HOSE ASSY	
86	2230024	2	ADAPTER	
87	77133146	1	HOSE ASSY	
88	91163139	1	HYDRAULIC COUPLING, FEMALE, (Prior to SN 2005283-01)	
88	91403413	1	HYDRAULIC COUPLING, FEMALE, (SN 2005283-01 to Present)	
89	91043126	1	DUST CAP	
91	N.S.S.	1	SN PLATE	
91	2220373	4	ADAPTER, (includes item 21)	
92	77385131	1	DIODE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
93	91043440	2	PIGGYBACK CONNECTOR	
94	86661147	3 in	BLACK WIRE, 16 GA	
95	86683480	1	BUTT CONNECTOR	
96	83683549	AR	HEAT SHRINK TUBING	
97	91034377	2	SCREW	

FIGURE 3-16. 100, DRYWALL SWING FORK ASSEMBLY (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)



SECTION A-A

SECTION B-B

FIGURE 3-16. 100, DRYWALL SWING FORK ASSEMBLY (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90555013	1	100 DRYWALL SWING FORK ASSY, (includes all items)	Q
1	N.S.S.	1	DRYWALL CARRIAGE WELDMENT	
2	91041326	2	PIVOT PIN	
3	88581136	4	EXTERNAL RETAINING RING	
4		Ref	SWING CYLINDER ASSY, (See OPTIONS SECTION for Breakdown)	
5	91041324	2	PIVOT PIN	
6	88671008	2	STRAIGHT LUBE FITTING, 1/4-28	
7	91411073	2	LOCKING PLATE	
8	83201024	4	HEX HD CAPSCREW, 3/8-16X1, GR8	
9	91043125	1	DUST CAP	
10	91163139	1	FEMALE HYDRAULIC COUPLER, (Prior to SN 2005283-01)	
10	91403413	1	FEMALE HYDRAULIC COUPLER, (SN 2005283-01 to Present)	
11	88661013	2	MALE CONNECTOR, 1/2X1/2 TUBE, (Prior to SN 2005283-01)	
11	2220373	2	CONNECTOR, (SN 2005283-01 to Present), (includes 88591205 o-ring)	
12	91043126	1	DUST CAP	
13	91163138	1	MALE HYDRAULIC COUPLER, (Prior to SN 2005283-01)	
13	91403414	1	MALE HYDRAULIC COUPLER, (SN 2005283-01 to Present)	
14	84718067	2	HOSE ASSY	
15	91041325	2	PIVOT PIN	
16	91041327	2	BUSHING	
17	88671022	2	LUBE FITTING, 90, 1/8	
18	91041322	2	LOCKING PLATE	
19	83201026	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR8	
20	88201008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
21	88561002	2	FLAT WASHER, 1/4	
22	91043186	1	DOUBLE PILOT CHECK VALVE	
23	91041361	2	FITTING	
24	91041362	2	ORIFICE FITTING	
25	88591205	2	O-RING	
26	2220501	2	ELBOW, 45, (includes item 27)	
27	88591204	2	O-RING	
28	90204097	2	HOSE ASSY	
29	77133201	2	HOSE ASSY	
30	8760268	6	ELBOW, 90, (swivel nut)	
31	2220372	2	CONNECTOR, (includes item 32)	
32	88591205	2	O-RING	
33	2220899	2	BRANCH TEE, (includes item 34)	
34	88591204	2	O-RING	
35	88201105	4	HEX HD CAPSCREW, 5/8-11X4, GR5	
36	88521310	4	HEX LOCKNUT, 5/8-11	
37	90200003	4	COLLAR	
38	90453013	2	DRYWALL FORK	
39	90451020	2	FORK PIN	
40	91041356	6	SPACER	
41	N.S.S.	1	PIVOT WELDMENT	
42	91033038	1	CHAIN, 24IN	
43	91033039	2	CHAIN CONNECTION	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	88631449	2	ROLL PIN, 1/8X1-1/2	
45	91141350	2	PIN	
46	91146053	1	LH SUPPORT BRACKET	
46	91146054	1	RH SUPPORT BRACKET	
47	91043221	2	DETENT PIN	
48	N.S.S.	1	SN PLATE	
49	N.S.S.	4	DRIVE SCREW, #10X3/8	
50	90553012	2	SIDE DRYWALL GUARD	
51	88241053	14	SOCKET FLAT HD CAPSCREW, 3/8-16X1-1/2	
52	88551011	8	LOCKWASHER, 3/8	
53	88501006	8	HEX NUT, 3/8-16	
54	90553013	2	BOTTOM DRYWALL GUARD	
55	91083249	1	CLAMP SET	
56	77133140	1	COVER PLATE	
57	77133177	1	HEX HD CAPSCREW, 5/16-18X1-3/8	
58	91143282	2	PINCH POINT DECAL	
59	8765204	2	ELBOW, 90, (swivel nut)	

FIGURE 3-17. SHEET MATERIAL HANDLER (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

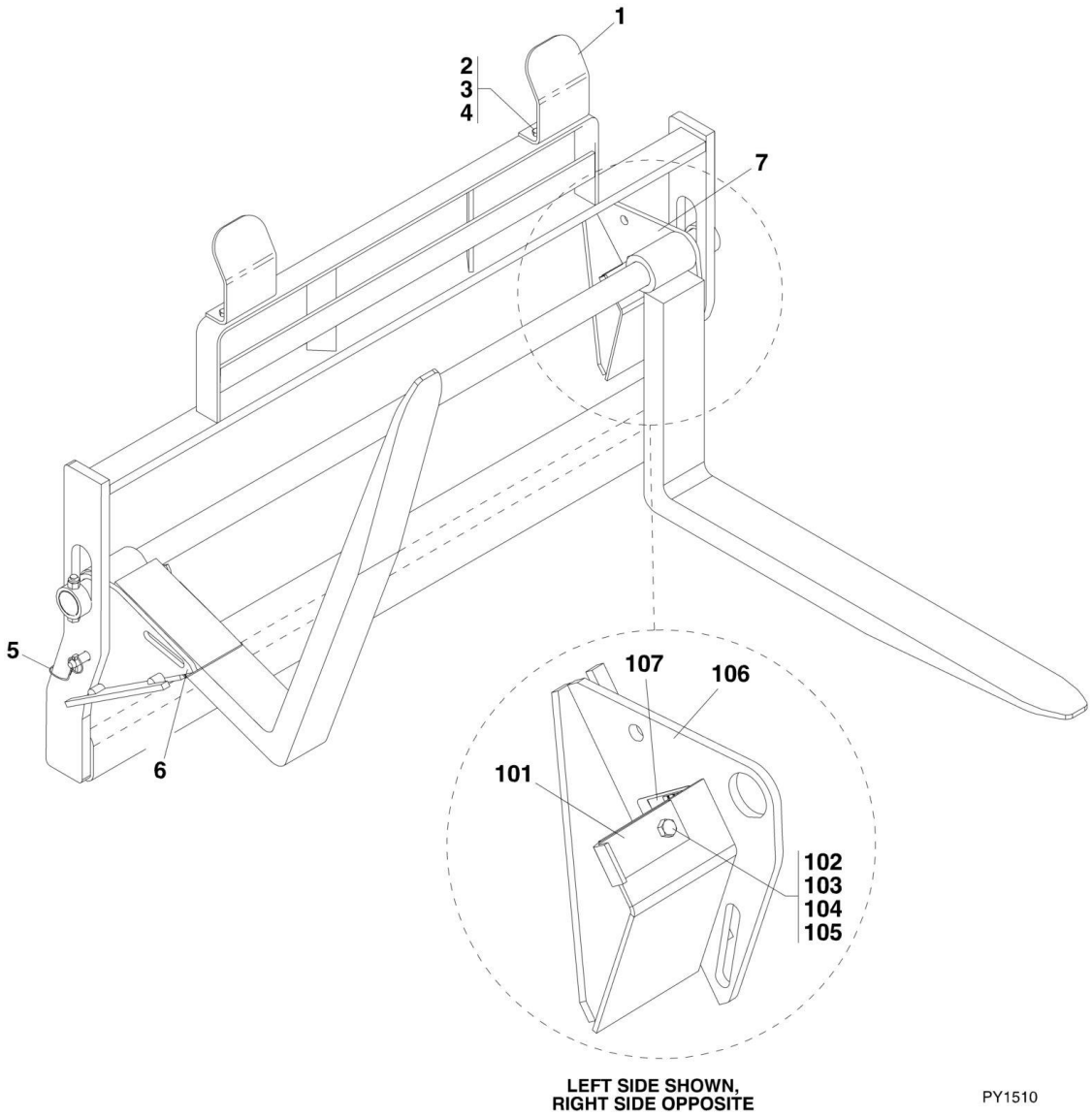


FIGURE 3-17. SHEET MATERIAL HANDLER (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100227	1	SHEET MATERIAL HANDLER ASSY, (includes all items)	A
1	7112642	2	BACKREST EXTENSION	
2	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
3	8305012	4	HEX NUT, 1/2-13	
4	8307007	4	LOCKWASHER, 1/2	
5	1001093377	2	HITCH PIN	
6	1001101115	1	RH FORK SUPPORT ASSY, (includes items 101 thru 107)	A
7	1001101116	1	LH FORK SUPPORT ASSY, (includes items 101 thru 107)	B
101	7114941	1	LOCK BAR	
102	8303626	1	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
103	8305644	1	HEX LOCKNUT, 1/2-13	
104	8307007	1	LOCKWASHER, 1/2	
105	8307112	1	WASHER, 1/2	
106	N.S.S.	1	RH FORK SUPPORT, (not shown)	
106	N.S.S.	1	LH FORK SUPPORT, (shown)	
107	N.S.S.	1	SN PLATE	

FIGURE 3-18. SIDE TILT CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

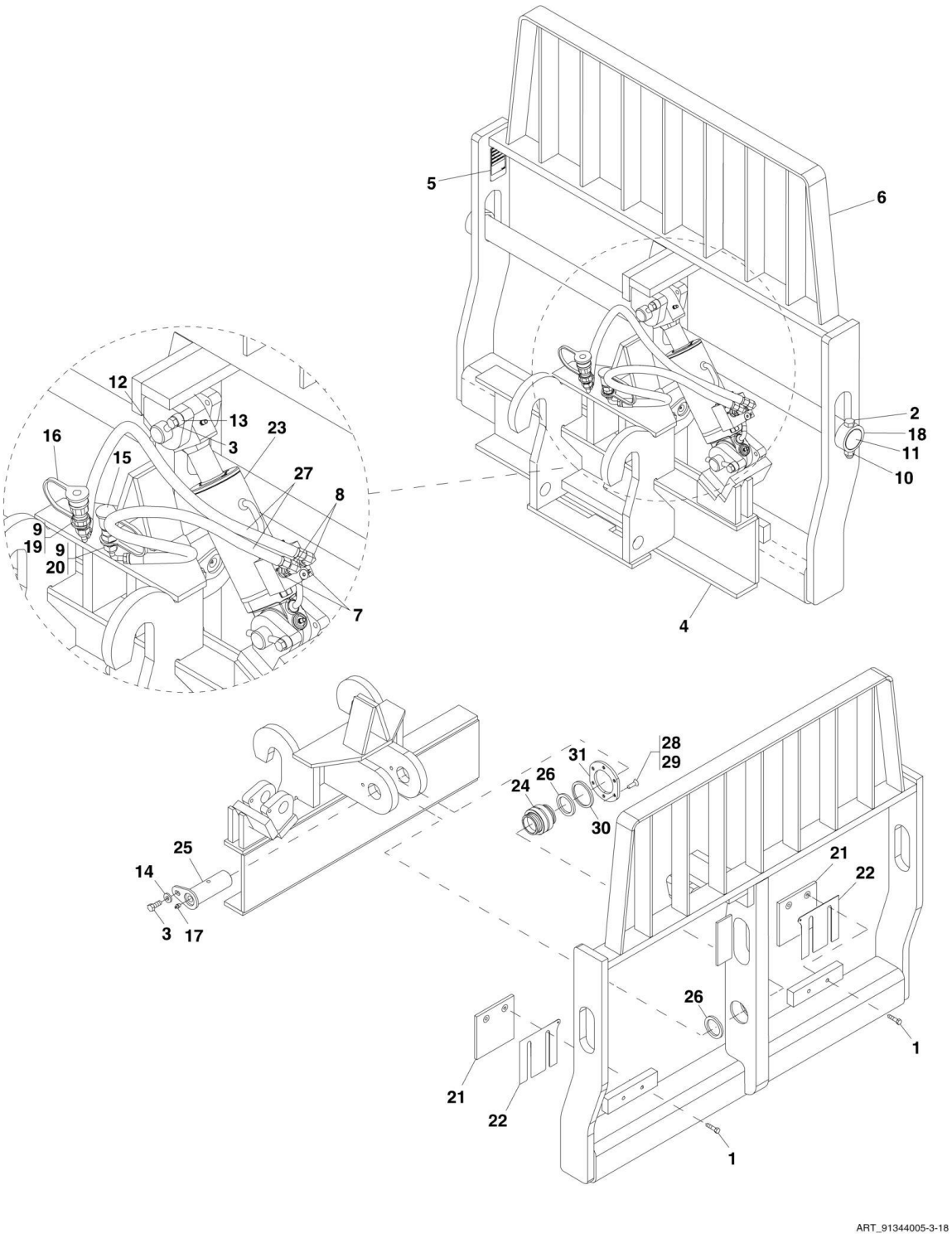
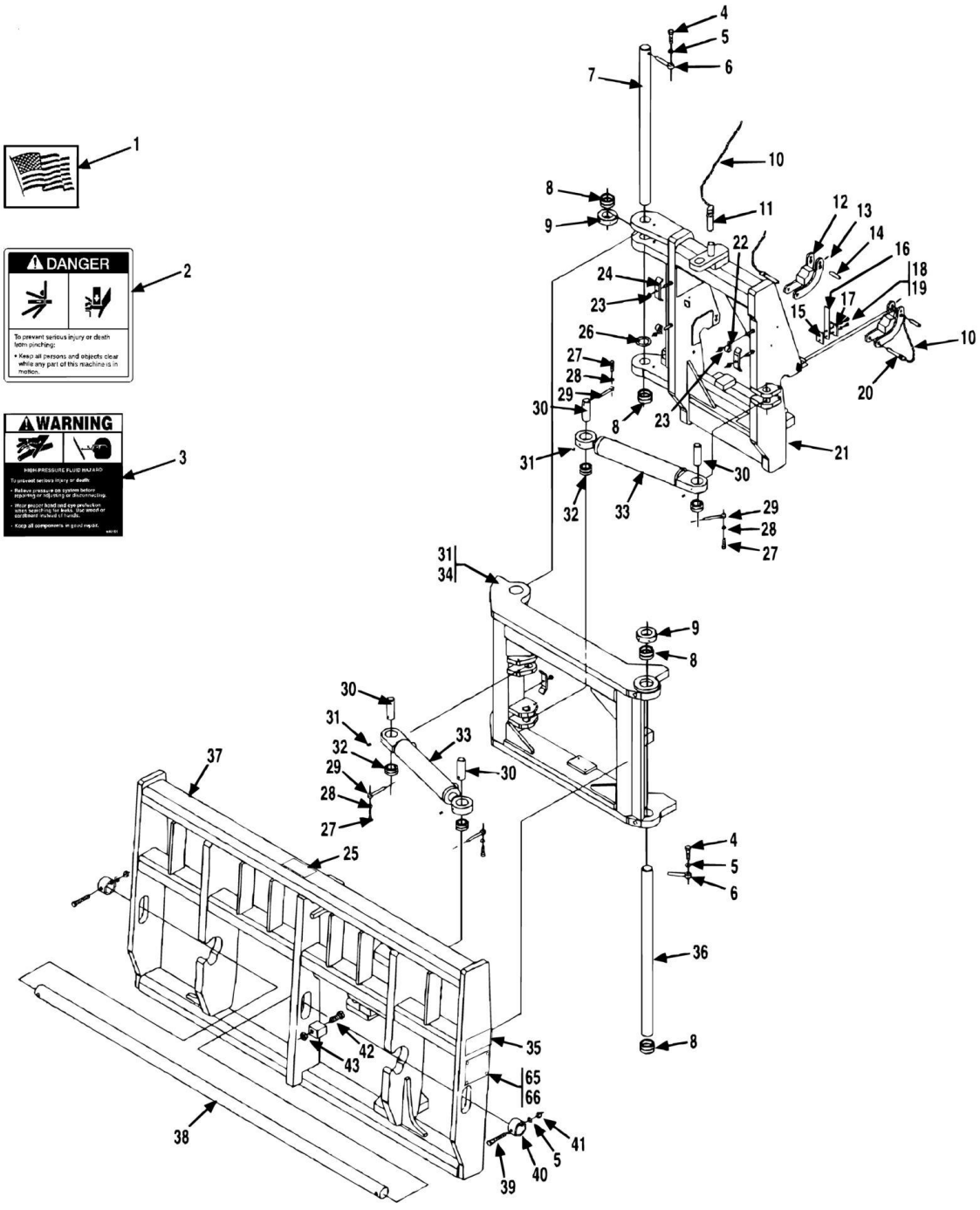


FIGURE 3-18. SIDE TILT CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170054	1	50IN SIDE TILT CARRIAGE, (includes all items)	I
	1001101956	1	60IN SIDE TILT CARRIAGE, (includes all items)	J
	1170057	1	72IN SIDE TILT CARRIAGE, (includes all items)	I
1	0641612	4	HEX HD CAPSCREW, 3/8-16X1-1/2	
2	0642032	2	HEX HD CAPSCREW, 5/8-11X4	
3	0681810	3	HEX HD CAPSCREW, 1/2-13X1-1/4	
4	1001133072	1	CARRIAGE BASE	
5	N.S.S.	1	SN PLATE	
6	N.S.S.	1	SIDE TILT CARRIAGE	
7	2110606	2	CONNECTOR	
8	2172106	2	CONNECTOR, 90	
9	2110808	2	CONNECTOR	
10	3300240	2	LOCKNUT, 5/8-11	
11	3423275	1	50IN FORK PIN	
11	3423242	1	60IN FORK PIN	
11	3423276	1	72IN FORK PIN	
12	3423307	2	PIN	
13	3841203	2	KEEPER	
14	4891800	1	WASHER, 1/2	
15	8420053	1	DUST CAP	
16	8420055	1	DUST PLUG	
17	88671001	1	GREASE FITTING	
18	90200003	2	COLLAR	
19	91403413	1	CONNECTOR	
20	91403414	1	CONNECTOR	
21	1001090063	2	WEAR PAD	
22	1001090064	AR	SHIM	
23		Ref	HYDRAULIC CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
24	1001090140	1	BEARING	
25	1001099113	1	PIN	
26	1001099115	2	SLEEVE	
27	1001102378	2	HOSE ASSY, 3/8X39	
28	0100011	AR	LOCTITE 242, (apply to item 29)	
29	0741610	6	FLAT HEAD SOCKET SCREW, 3/8-16	
30	1001120914	1	BEARING RETAINER SHIM	
31	1001120915	1	BEARING RETAINER PLATE	

FIGURE 3-19. 180, SWING CARRIAGE (534D-9 Prior to SN 0160023516; 534D-10 Prior to SN 0160023231)



LH VALVE SERVICE KIT

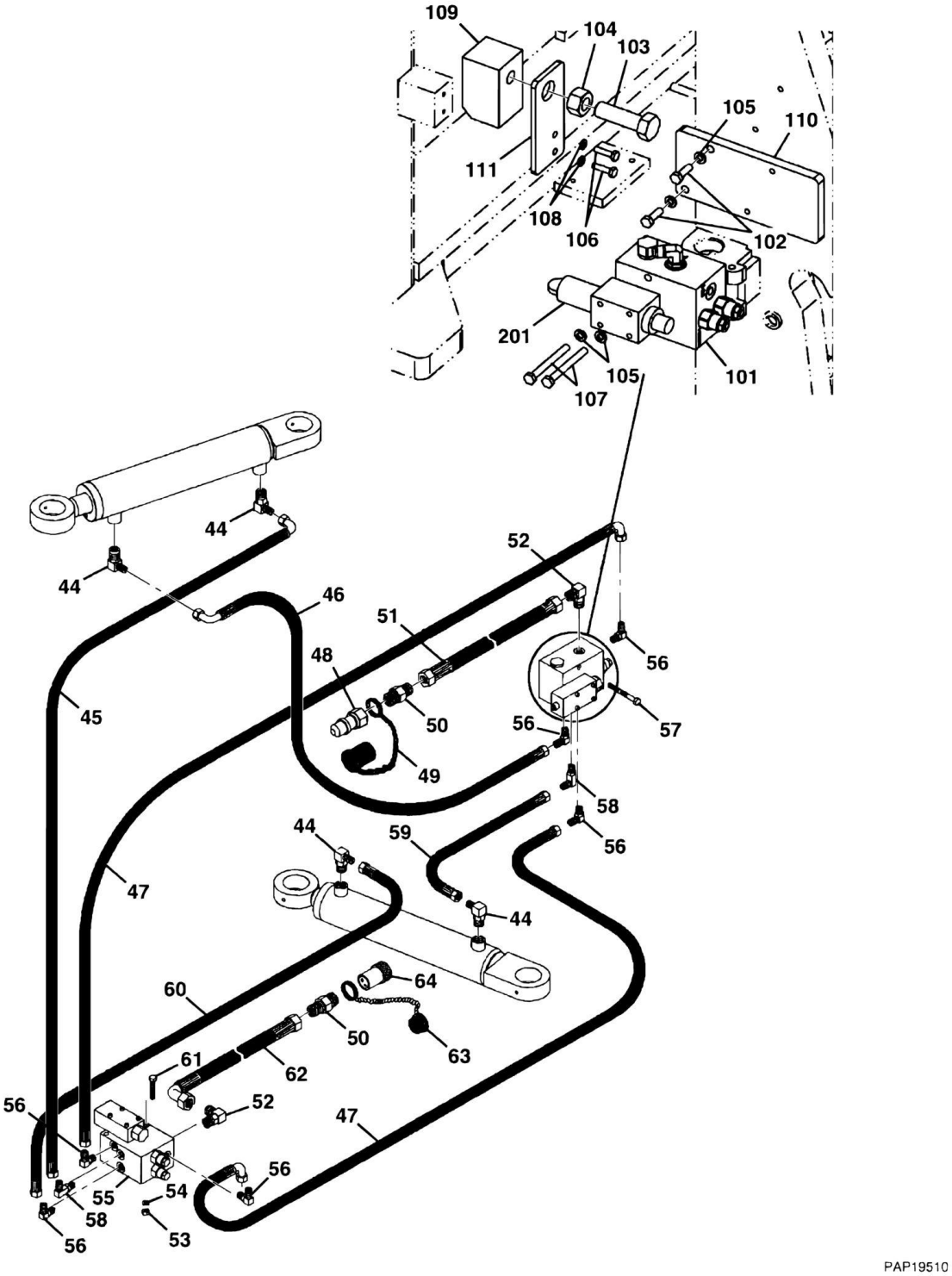
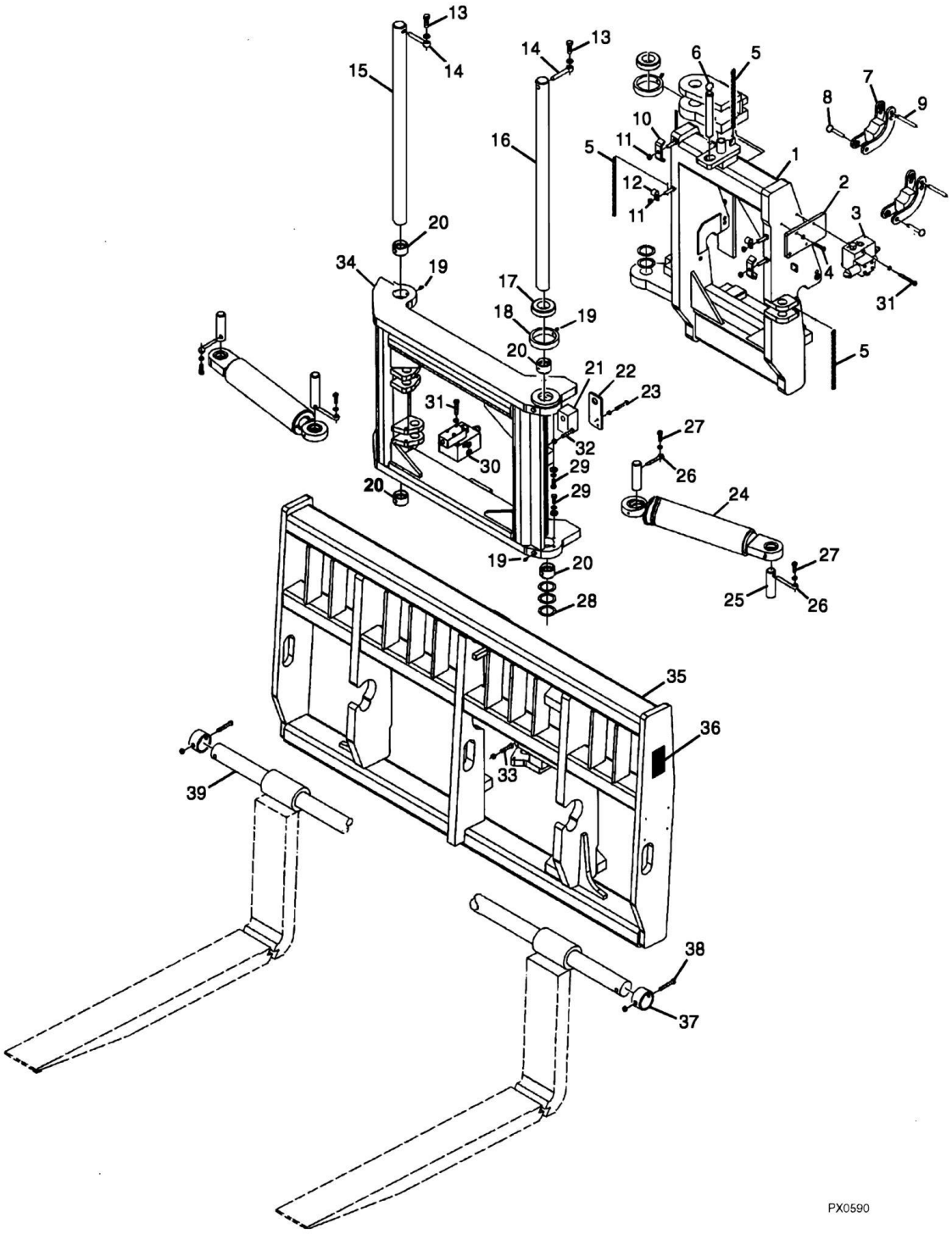


FIGURE 3-19. 180, SWING CARRIAGE (534D-9 Prior to SN 0160023516; 534D-10 Prior to SN 0160023231)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90553024	NLA	180, SWING CARRIAGE ASSY, (includes items 1 thru 66) (90553024 is no longer available, order 91553076)	E
1	90554016	1	MADE IN USA DECAL	
2	90554017	3	DANGER PINCH POINT DECAL	
3	90554018	1	WARNING HIGH PRESSURE FLUID DECAL	
4	90554019	2	HEX HD CAPSCREW	
5	90554020	4	LOCKWASHER, 1/2	
6	90554021	2	PIN	
7	90554022	1	SWING PIN	
8	90554023	4	BUSHING	
9	90554024	2	BEARING	
10	90554025	3	CHAIN	
11	90554026	1	PIN	
12	90554027	2	PIN SUPPORT	
13	90554028	2	ROLL PIN	
14	90554029	2	PIN	
15	90554030	2	SHIM	
16	90554031	1	FLAT SPRING	
17	90554032	1	PLATE	
18	90554033	2	HEX HD CAPSCREW	
19	90554034	2	LOCKWASHER, 1/4	
20	90554035	2	QUICK RELEASE PIN	
21	N.S.S.	1	FIXED BASE FRAME	
22	90554037	2	HOSE CLAMP, SINGLE	
23	90554038	3	LOCKNUT, 1/2	
24	90554039	3	DOUBLE HOSE CLAMP	
25	90553021	1	CAUTION DECAL	
26	90554040	AR	THRUST WASHER	
27	90554041	4	HEX HD CAPSCREW	
28	90554042	4	LOCKWASHER, .38IN	
29	90554043	4	PIN	
30	90554044	4	CYLINDER PIN	
31	90554045	8	GREASE FITTING	
32	90554046	4	BUSHING	
33		Ref	CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
34	N.S.S.	1	INTERMEDIATE FRAME	
35	91143282	2	WARNING DECAL	
36	90554049	1	PIN	
37	N.S.S.	1	FORK MOUNTING FRAME	
38	90554051	1	FORK PIN	
39	90554052	2	HEX HD CAPSCREW, 1/2X3-1/4	
40	90554053	2	BUSHING	
41	90554054	2	HEX NUT	
42	90554055	1	HEX HD CAPSCREW, 3/4X2	
43	90554056	1	HEX JAM NUT, 3/4	
44	90554057	4	ELBOW, 90	
45	90554058	1	HOSE ASSY	
46	90554059	1	HOSE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	90554060	2	HOSE ASSY	
48	90554061	1	MALE COUPLER	
49	90554062	1	DUST CAP	
50	90554063	2	ADAPTER	
51	90554064	1	HOSE ASSY	
52	90554065	2	ELBOW, 90	
53	90554066	2	HEX NUT	
54	90554067	2	LOCKWASHER, .31IN	
55		Ref	VALVE, (See OPTIONS SECTION for Breakdown)	
56	90554069	6	ELBOW, 90	
57	90554070	2	HEX HD CAPSCREW, .31INX3IN	
58	90554071	2	ELBOW, 90	
59	90554072	1	HOSE ASSY	
60	90554073	1	HOSE ASSY	
61	90554074	2	HEX HD CAPSCREW	
62	90554075	1	HOSE ASSY	
63	90554076	1	PLUG	
64	90554077	1	FEMALE COUPLER	
65	N.S.S.	1	SN PLATE	
66	88341022	4	DRIVE SCREW, #10X3/8	
	2915037	2	SWING VALVE KIT, (includes items 101 thru 111)	A
101	91564003	1	VALVE, (includes item 201)	
102		Ref	HEX HD CAPSCREW, 5/16-18X1, GR8	
103		Ref	HEX HD CAPSCREW, 3/4-10X2-1/2, GR8	
104	90554056	1	HEX NUT, 3/4	
105		Ref	LOCKWASHER, 5/16	
106		Ref	HEX HD CAPSCREW, 1/4-20X1, GR8	
107	90554070	2	HEX HD CAPSCREW, 5/16-18X3, GR8	
108		Ref	LOCKWASHER, 1/4	
109	70022048	1	MOUNTING PLATE	
110	70022049	1	MOUNTING PLATE	
111	70022047	1	MOUNTING PLATE	
201	70020383	1	VALVE, (includes o-rings and mounting hardware)	

FIGURE 3-20. 180, SWING CARRIAGE (534D-9 SN 0160023516 through 0160038518; 534D-10 SN 0160023231 through 0160038444)



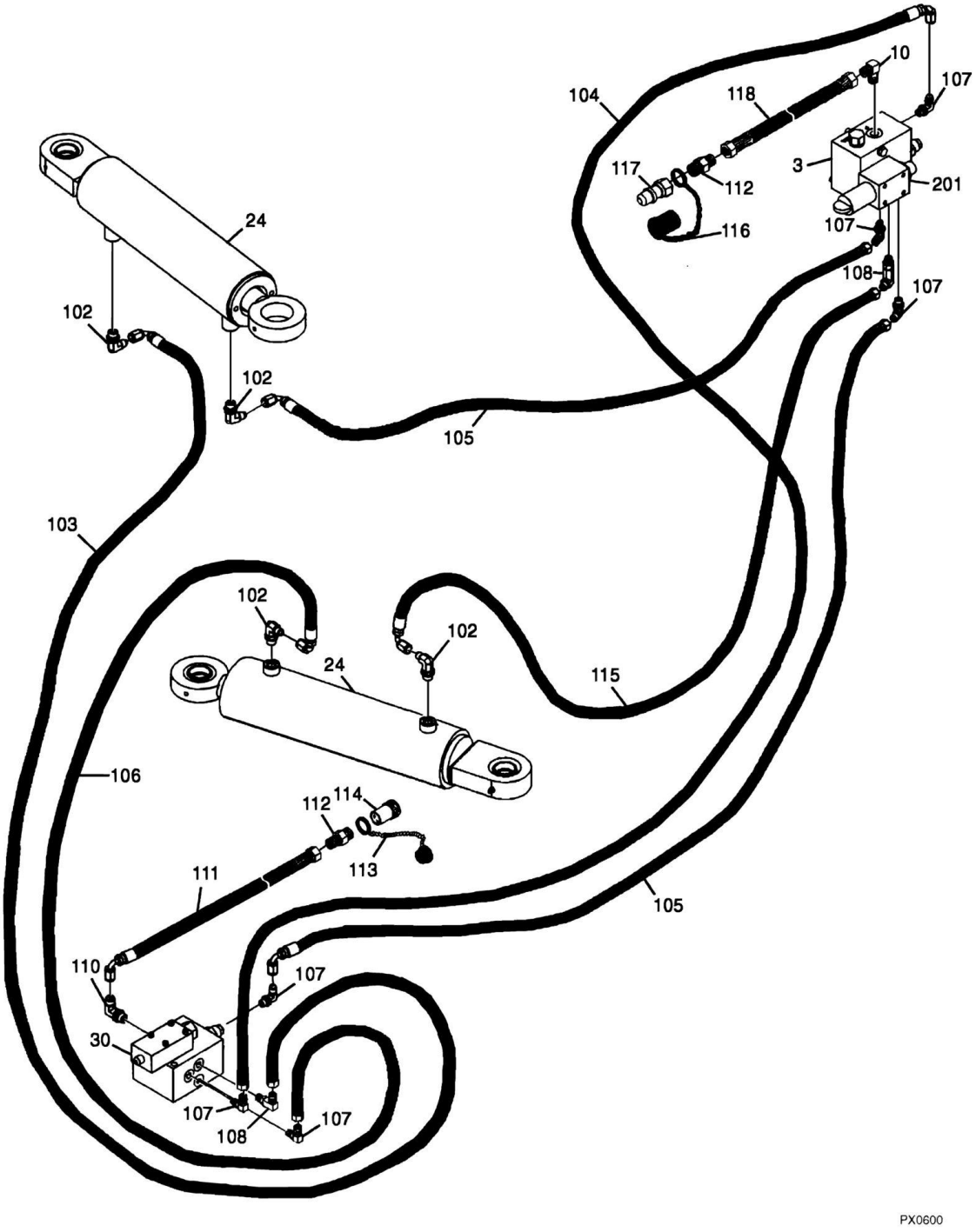
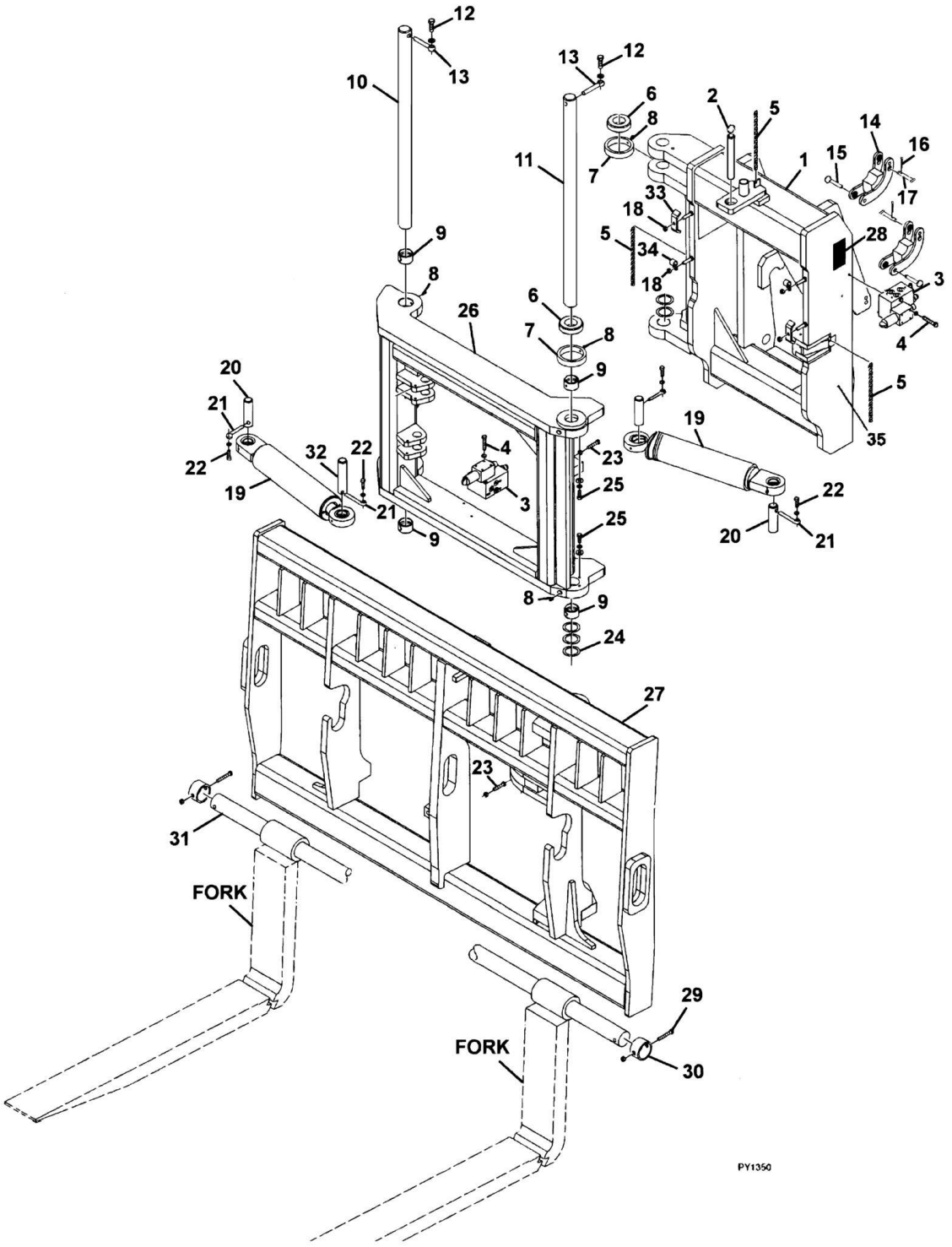

10
107
104
118
117
112
3
201
116
107
24
108
107
102
102
105
103
102
102
24
115
106
112
114
113
111
105
110
107
30
107
108
107
PX0600

FIGURE 3-20. 180, SWING CARRIAGE (534D-9 SN 0160023516 through 0160038518; 534D-10 SN 0160023231 through 0160038444)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91553076	1	180, SWING CARRIAGE ASSY, (includes items 1 thru 118)	B
1	N.S.S.	1	WELDMENT	
2	70022047	1	MOUNTING PLATE	
3	91564003	1	VALVE, (includes item 201)	
4		Ref	HEX HD CAPSCREW, 5/16X1	
4	90554067	2	LOCKWASHER, 5/16	
5	90554025	3	CHAIN	
6	90554026	1	LOCK PIN	
7	90554027	2	PIN SUPPORT	
8	90554021	2	PIN	
9	90554028	2	PIN	
10	90554039	3	HOSE CLAMP	
11	70021367	6	LOCKNUT, 3/8	
12	7029996	3	HOSE CLAMP	
13	70021382	2	HEX HD CAPSCREW, 1/2X1-1/2	
13	90554020	2	LOCKWASHER, 1/2	
14	90554021	2	PIN	
15	90554022	1	PIN	
16	90554049	1	PIN	
17	90554024	2	BEARING	
18	70020017	2	BEARING	
19	90554045	10	GREASE FITTING	
20	70020015	4	BUSHING	
21	70022048	1	MOUNTING PLATE	
22	70022049	1	MOUNTING PLATE	
23		Ref	HEX HD CAPSCREW, 1/4X1	
23	90554034	2	LOCKWASHER, 1/4	
24		Ref	CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	90554044	4	PIN	
26	90554043	4	PIN	
27	70021429	4	HEX HD CAPSCREW, 3/8X1-1/4	
27	90554042	4	LOCKWASHER, 3/8	
28	90554040	5	WASHER	
29	7029997	6	HEX HD CAPSCREW, 3/8X3/4	
29	90554042	6	LOCKWASHER, 3/8	
29		Ref	FLAT WASHER, 3/8	
30	90554068	1	VALVE	
31	90554070	4	HEX HD CAPSCREW, 5/16X3	
31	90554067	4	LOCKWASHER, 5/16	
32		Ref	HEX HD CAPSCREW, 3/4X2-1/4	
32	90554056	2	HEX NUT, 3/4	
33	90554055	1	HEX HD CAPSCREW, 3/4X2	
34	N.S.S.	1	WELDMENT	
35	N.S.S.	1	WELDMENT	
36	N.S.S.	1	SN PLATE	
37	90554053	2	BUSHING	
38	90554052	2	HEX HD CAPSCREW, 1/2X3-1/4	
38	90554038	2	LOCKNUT, 1/2	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	90554051	1	PIN	
102	90554057	4	ELBOW, 90	
103	90554058	1	HOSE ASSY	
104	90554059	1	HOSE ASSY	
105	90554060	2	HOSE ASSY	
106	90554073	1	HOSE ASSY	
107	90554069	6	ELBOW, 90	
108	90554071	2	ELBOW, 90	
110	90554065	2	ELBOW, 90	
111	70021983	1	HOSE ASSY	
112	90554063	2	ADAPTER	
113	90554076	1	DUST PLUG	
114	91403213	1	FEMALE QUICK COUPLER	
115	90554072	1	HOSE ASSY	
116	90554062	1	DUST CAP	
117	91403414	1	MALE QUICK COUPLER	
118	90554064	1	HOSE ASSY	
201	70020383	1	VALVE, (includes o-rings and mounting hardware)	

FIGURE 3-21. 180, SWING CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)



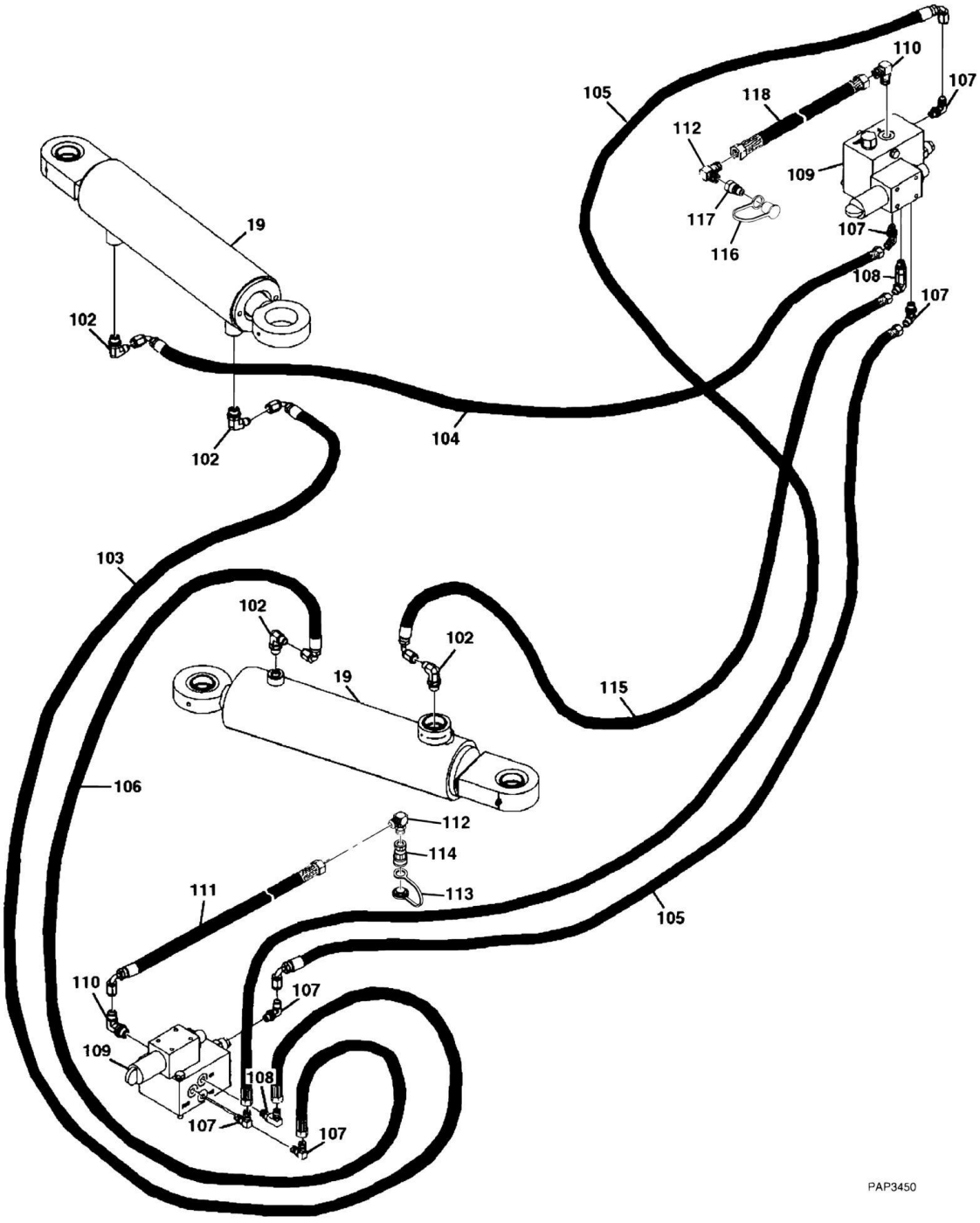

110
107
105
118
112
109
117
116
107
19
108
107
102
102
104
103
102
102
19
115
106
112
114
113
111
105
110
107
109
108
107
107
PAP3450

FIGURE 3-21. 180, SWING CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104992	1	180, SWING CARRIAGE, 72IN, (includes all items)	G
1	N.S.S.	1	BACK FRAME	
2	90554026	2	LOCK PIN	
3	91564003	2	VALVE	
4	90554070	4	HEX HD CAPSCREW, 5/16X3	
4	90554067	4	LOCKWASHER, 5/16	
5	90554025	3	CHAIN	
6	90554024	2	BEARING	
7	70020017	2	BEARING	
8	90554045	10	GREASE FITTING	
9	70020015	4	BUSHING	
10	70020026	1	PIN	
11	70020025	1	PIN	
12	70021382	2	HEX HD CAPSCREW, 1/2X1.5	
12	90554020	2	LOCKWASHER, 1/2	
13	90554021	2	PIN	
14	90554027	2	PIN SUPPORT	
15	90554035	2	PIN	
16	1316794	2	COTTER PIN	
17	70020029	2	CLEVIS PIN	
18	70021367	6	LOCKNUT, 3/8	
19		Ref	CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20	90554044	3	PIN	
21	90554043	4	PIN	
22	70021429	4	HEX HD CAPSCREW, 3/8X1.25	
22	90554042	4	LOCKWASHER, 3/8	
23	70020004	2	HEX HD CAPSCREW, 3/4X2.5	
23	90554056	2	HEX NUT, 3/4	
24	90554040	5	WASHER	
25	7029997	6	HEX HD CAPSCREW, 3/8X.75	
25	90554042	6	LOCKWASHER, 3/8	
25	7029703	6	FLAT WASHER, 3/8	
26	N.S.S.	1	MIDDLE FRAME	
27	N.S.S.	1	FRONT FRAME	
28	N.S.S.	1	SN PLATE	
29	70020002	2	HEX HD CAPSCREW, 1/2X3.5	
29	90554038	2	LOCKNUT, 1/2	
30	70020028	2	BUSHING	
31	70020027	1	PIN	
32	70022530	1	PIN	
33	90554039	3	CLAMP	
34	7029996	3	CLAMP	
35	1001110704	1	WARNING CRUSH HAZARD DECAL	
102	90554057	4	ELBOW, 90	
103	90554058	1	HOSE ASSY, 1/4X20.5	
104	90554059	1	HOSE ASSY, 1/4X63	
105	90554060	2	HOSE ASSY, 1/4X73	
106	90554073	1	HOSE ASSY, 1/4X57	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	90554069	6	ELBOW, 90	
108	90554071	2	ELBOW, 90	
109	91564003	2	VALVE	
110	90554065	2	ELBOW, 90	
111	70021983	1	HOSE ASSY, 3/8X93	
112	70022527	2	ELBOW, 90	
113	8420055	1	DUST PLUG	
114	91403413	1	FEMALE QUICK COUPLER	
115	90554072	1	HOSE ASSY, 1/4X15	
116	8420053	1	DUST CAP	
117	91503414	1	MALE QUICK COUPLER	
118	90554064	1	HOSE ASSY, 3/8X64	

FIGURE 3-22. 90, SWING CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

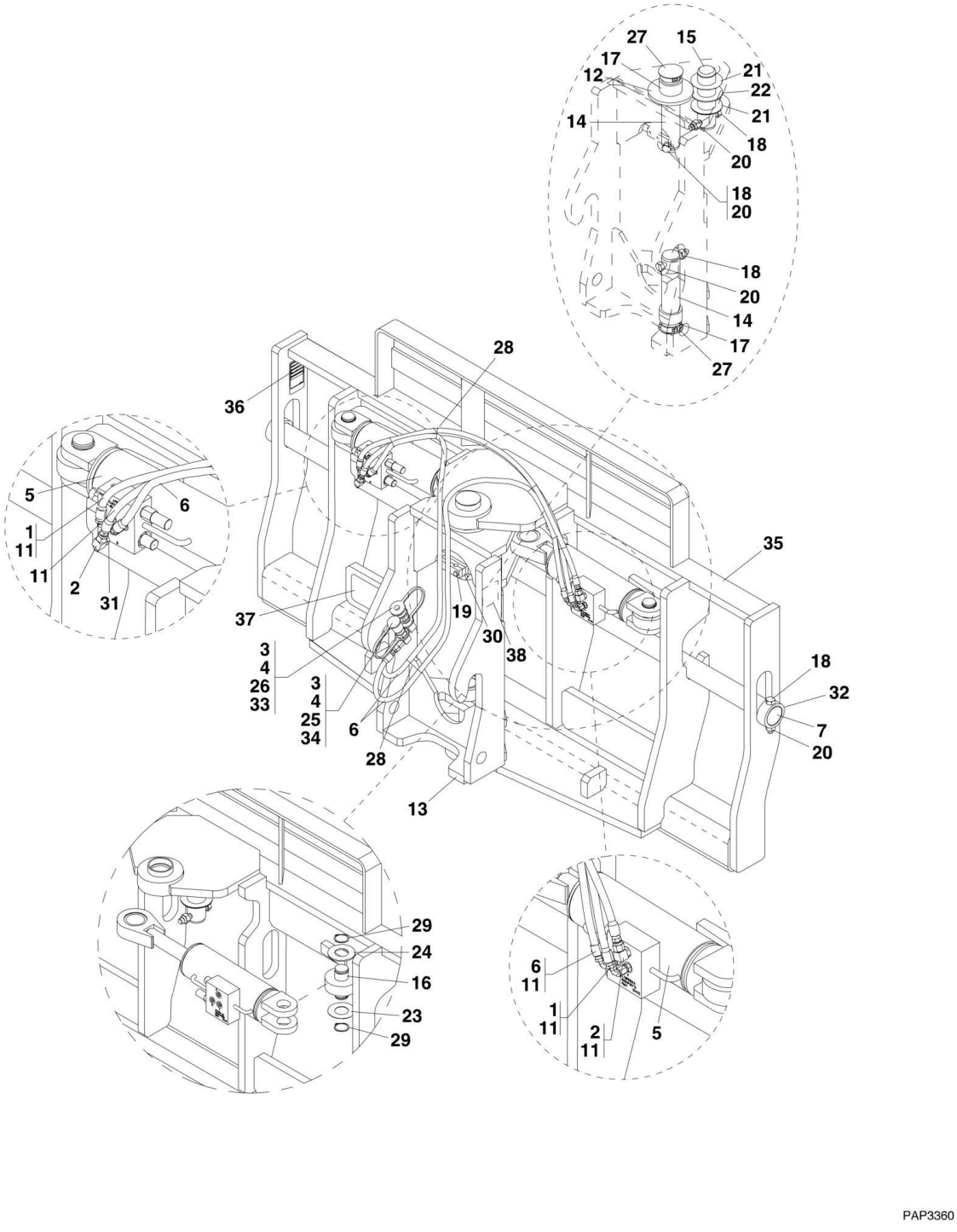


FIGURE 3-22. 90, SWING CARRIAGE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	1	90, SWING CARRIAGE, 72IN, (includes all items)	K
1	2220415	4	CONNECTOR	
2	2220473	2	CONNECTOR, 90	
3	2220609	2	CONNECTOR	
4	2220628	2	CONNECTOR, 90	
5		Ref	SWING CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	2717287	2	Hose 58in (Boom Front Disconnect)	
6	1001301599	1	Hose 66in (Boom Side Disconnect)	
6	1001301600	1	Hose 46in (Boom Side Disconnect)	
7	3423276	1	PIN	
11	6604662	2	HOSE ASSY, 1/4X40.5	
12	7062922	1	WASHER	
13	N.S.S.	1	PIVOT WELDMENT	
14	7110702	2	PIVOT PIN	
15	7110712	1	PIN	
16	7110722	2	PIN	
17	8065062	2	BUSHING	
18	8303634	5	HEX HD CAPSCREW, 5/8-11X4, GR5	
19	8303715	3	HEX HD CAPSCREW, 5/16-18X1.5, GR5	
20	8305643	5	HEX NUT, 5/8-11	
21	8307904	AR	SHIM	
22	8307918	AR	SHIM	
23	8310160	AR	SHIM	
24	8310161	AR	SHIM	
25	8420053	1	DUST CAP	
26	8420055	1	DUST PLUG	
27	8580315	2	PLUG	
28	8584001	5	TIE WRAP	
29	8642207	4	RETAINING RING	
30	8769132	2	CLAMP	
31	8770016	2	CONNECTOR	
32	90200003	2	COLLAR	
33	91403413	1	CONNECTOR	
34	91403414	1	CONNECTOR	
35	N.S.S.	1	CARRIAGE FRAME	
36	N.S.S.	1	SN PLATE	
37	1001110704	1	WARNING CRUSH HAZARD DECAL	
38	1001111190	2	WARNING DECAL	

FIGURE 3-23. FORKS

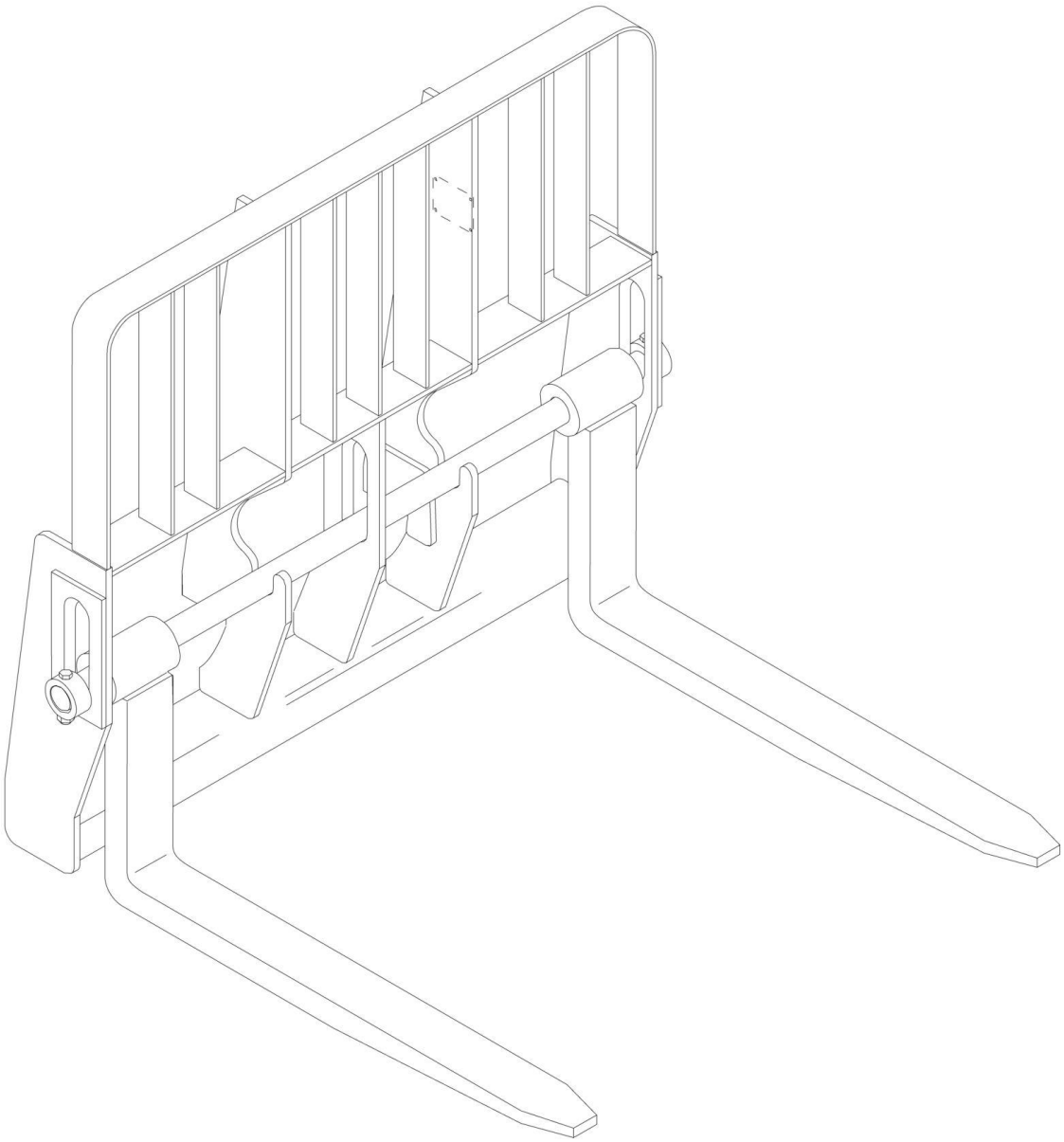


FIGURE 3-23. FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90600390	2	48IN CUBING FORK, 2X2, 3,000lbs	
	2340037	2	48IN CUBING FORK, 2X2, 3,800lbs	A
	90553008	2	48IN PALLET FORK, 1-3/4X4, 5,000lbs, (used on 6ft swing mast only, 90455047)	
	90601819	2	48IN PALLET FORK, 1-3/4X6, 9,000lbs	
	90453002	2	48IN PALLET FORK, 2X4, 8,000lbs	
	90453048	2	48IN PALLET FORK, 2.25X4, 10,950lbs	
	2340045	2	48IN PALLET FORK, 2.36X4, 10,950lbs	B
	2340038	2	48IN PALLET FORK, 2.36X5, 13,700lbs	B
	90553005	2	48IN PALLET FORK, 2X6, 10,000lbs	
	90601015	2	60IN PALLET FORK, 2X6, 10,000lbs	
	91163269	2	60IN PALLET FORK, 2X6, 11,300lbs	
	90453045	2	60IN PALLET FORK, 2X6, 11,300lbs, (used on 6ft swing mast only, 90455054)	
	2340039	2	60IN DUAL TAPER FORK, 2.36X6, 16,300lbs	B
	90553018	2	72IN PALLET FORK, 2X6, 10,000lbs	
	91123132	2	72In PALLET FORK, 2X6, 10,000lbs	
	H0453002	2	96IN PALLET FORK, 2X6, 7,500lbs loaded center	
	2340046	2	60IN DUAL TAPER FORK, 1.75X7, 10,800lbs	B
	1001092391	2	72IN DUAL TAPER FORK, 2X6, 11,300lbs	B
N1	Note	Ref	**NOTE: FORKS RATED LESS THAN ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
N2	Note	Ref	**NOTE: PLEASE CONSULT THE JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-24. PERSONNEL PLATFORM

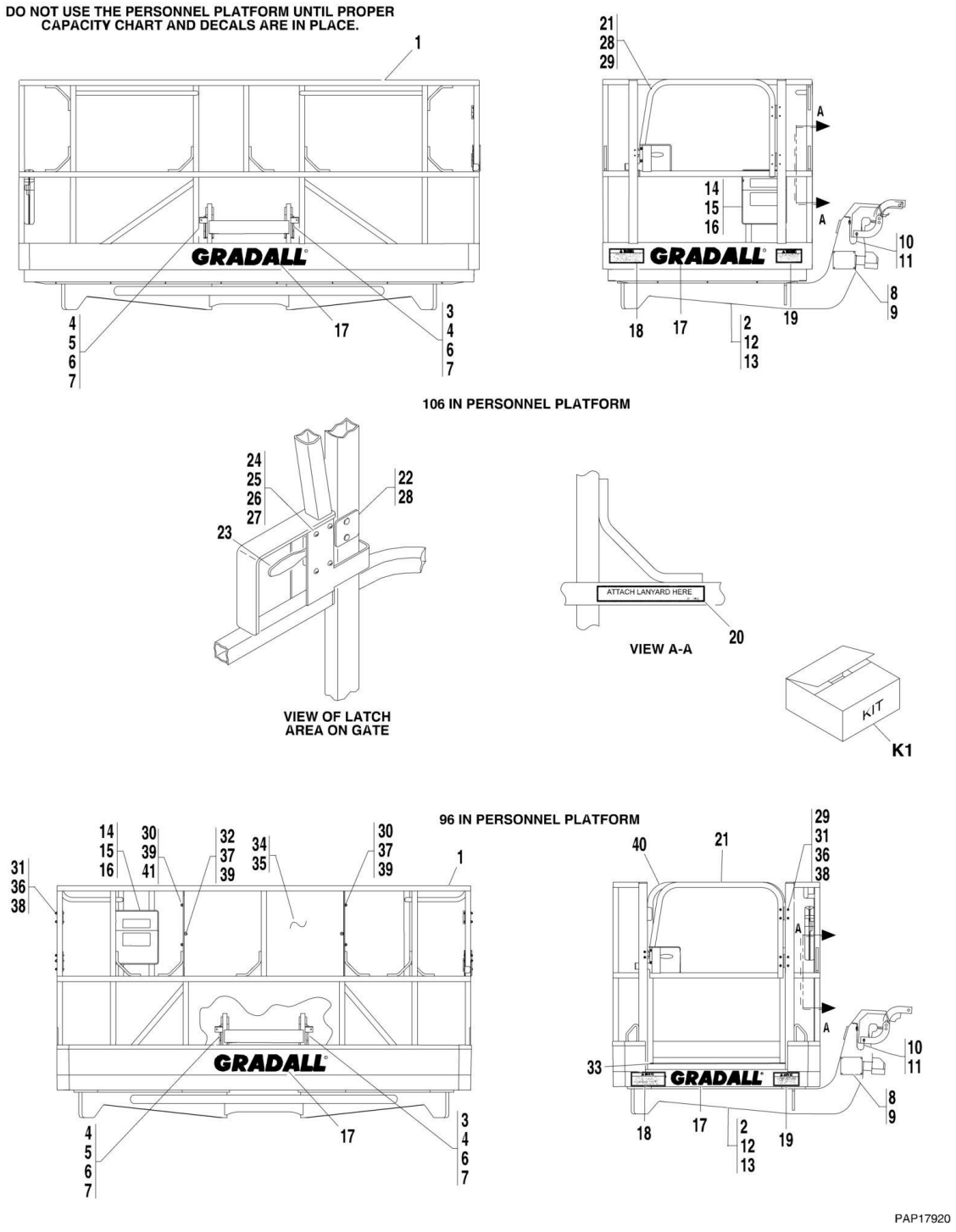


FIGURE 3-24. PERSONNEL PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90555024	1	PERSONNEL PLATFORM ASSY, (includes all items)	J
1		Ref	106IN PERSONNEL PLATFORM, (includes items 21 thru 29)	
1	90553034	NLA	96IN PERSONNEL PLATFORM, (no longer available, use 3510809 for service), (includes items 21 thru 27 & 29 thru 41)	B
1	3510809	1	96IN PERSONNEL PLATFORM, (includes items 21 thru 27 & 29 thru 41)	C
2	90556020	1	ADAPTER SUPPORT	
3	91146053	1	LH SUPPORT BRACKET	
4	91141350	2	PIN	
5	91146054	1	RH SUPPORT BRACKET	
6	88631449	2	ROLL PIN, 1/8X1-1/2	
7	91043221	2	DETENT PIN	
8	N.S.S.	1	SN PLATE	
9		Ref	DRIVE SCREW, #10X3/8	
10	91033039	2	CHAIN CONNECTION	
11	91033038	24 in	CHAIN	
12	86081050	8	HEX HD CAPSCREW, 5/8-11X1-1/2	
13	88551015	8	LOCKWASHER, 5/8	
14	91403230	1	MANUAL HOLDER	
15	77143013	4	WHIZ-LOCKNUT, 1/4-20	
16	90554001	1	PERSONNEL WORK PLATFORM MANUAL	
17	80903009	3	GRADALL DECAL, (106in platform)	
17	77333053	3	GRADALL DECAL, (96in platform)	
18	1706893	1	WARNING DECAL	
19	1706892	1	WARNING DECAL	
20	1704277	AR	LANYARD DECAL	
21	4846265	1	GATE	
22	3539685	1	LATCH PLATE	
23	2940074	1	LATCH	
24	3911008	4	ROUND HD SCREW	
25	3311001	4	HEX NUT, #10-24	
26	4751000	4	WASHER, #10	
27	4761000	4	WASHER	
28	90554013	10	BLIND FASTENER	
29	2600216	2	HINGE	
30	0641524	4	HEX HD CAPSCREW, 5/16-18X3	
31	2080063	16	NYLON LOCKNUT, 1/4-20	
32	2080064	14	NYLON LOCKNUT, 5/16-18	
33	3520072	5	CAP PLUG	
34	3573363	1	GUARD PLATE	
35	3641438	1	BENT RAIL	
36	3911428	16	ROUND HD SCREW, 1/4-20X3/4	
37	3911528	12	ROUND HD SCREW, 5/16-18X3/4	
38	4711400	16	WASHER, 1/4	
39	4711500	32	WASHER, 5/16	
40	4846528	1	BASKET END WELDMENT	
41	3311501	2	HEX NUT, 5/16-18	
K1	91345051	1	DECAL KIT, (includes all items listed below)	
K1	90553026	1	WARNING DECAL	
K1	90553027	1	WARNING DECAL	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K1	90553028	1	WARNING DECAL	
N1	Note	Ref	**WHEN BUYING THE PERSONNEL PLATFORM ASSEMBLY FOR FIELD INSTALLATION, BE SURE TO ALSO ORDER THE FOLLOWING.**	
N1	91343204	1	CAPACITY CHART - PERSONNEL PLATFORM, (534D-9), (45ft boom)	
N1	91353063	1	LOAD CHART, PERSONNEL PLATFORM, , (45ft boom) **(534D-10 Prior to SN 0160038445)**	
N1	1001106164	1	LOAD CHART, PERSONNEL PLATFORM, , (45ft boom) **(534D-10 SN 0160038445 to Present)**	
N1	91343203	1	CAPACITY CHART - PERSONNEL PLATFORM, (534D-9), (40ft boom)	
N1	91353062	1	CAPACITY CHART - PERSONNEL PLATFORM, (534D-10), (40ft boom)	

FIGURE 3-25. FORK MOUNTED PLATFORM

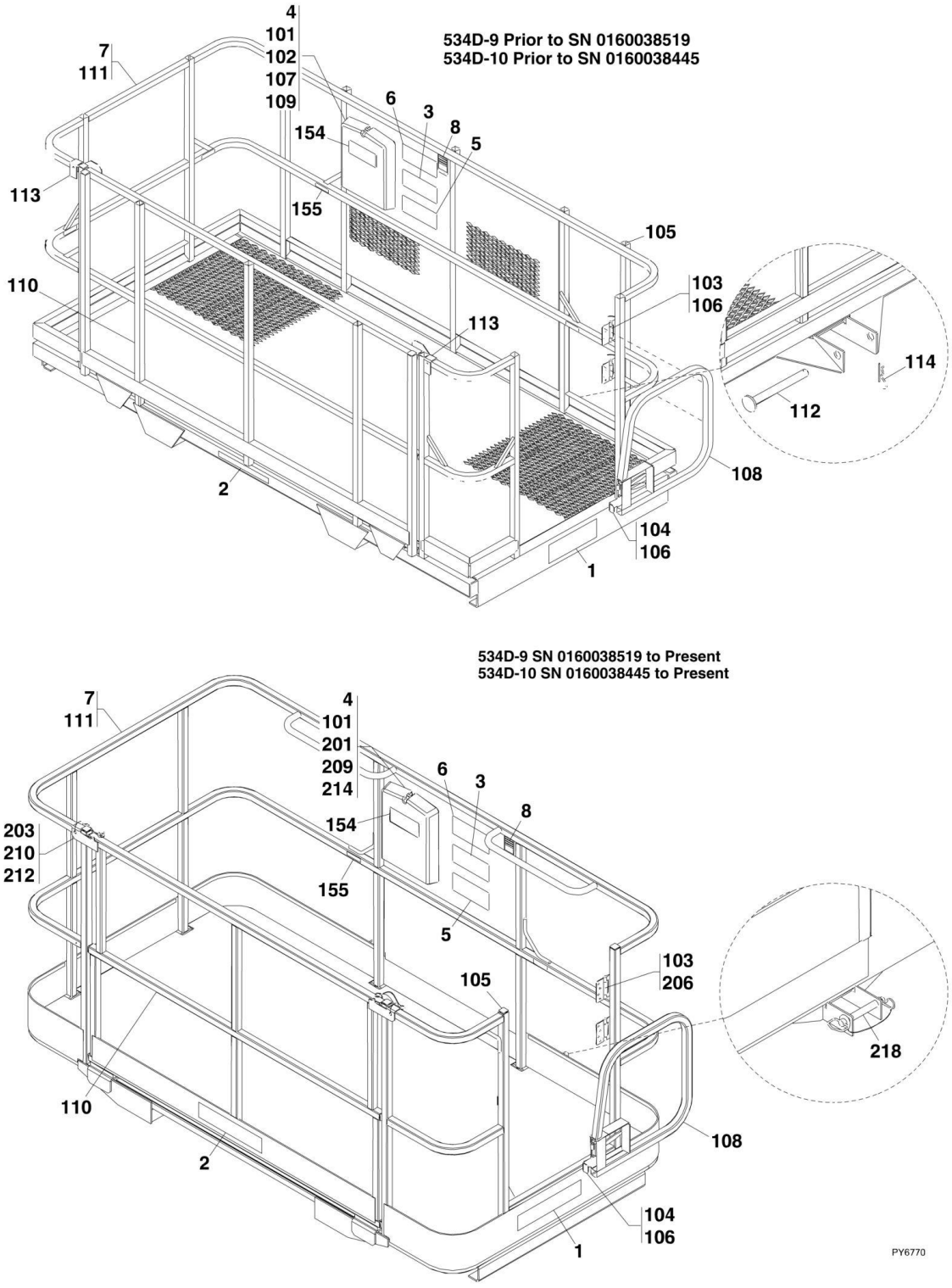


FIGURE 3-25. FORK MOUNTED PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092280	NLA	FORK MOUNTED PLATFORM, (ASME), (no longer available, order 1001103637 for replacement or items 1 thru 8 for service) **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	E
	1001103637	1	FORK MOUNTED PLATFORM, (ASME), (includes items 1 thru 8) **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	D
	1001096306	NLA	FORK MOUNTED PLATFORM, (ISO), (no longer available, order 1001103730 for replacement or items 1 thru 8 for service) **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	C
	1001103730	1	FORK MOUNTED PLATFORM, (ISO), (includes items 1 thru 8) **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	D
	1001097072	NLA	FORK MOUNTED PLATFORM, (ASME - FRENCH), (no longer available, order 1001103736 for replacement or items 1 thru 8 for service) **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	C
	1001103736	1	FORK MOUNTED PLATFORM, (ASME - FRENCH), (includes items 1 thru 8) **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	D
1	1702773	2	JLG DECAL	
2	1704885	1	WEBSITE DECAL	
3	1706892	1	PLATFORM WARNING DECAL, (ASME)	
3	1001096025	1	PLATFORM WARNING DECAL, (ISO)	
3	1001096024	1	PLATFORM WARNING DECAL, (ASME - FRENCH)	
4	31200160	1	OPERATION AND SAFETY MANUAL, (ASME)	
4	31200387	1	OPERATION AND SAFETY MANUAL, (ISO - SPANISH)	
4	31200388	1	OPERATION AND SAFETY MANUAL, (ISO - PORTUGUESE)	
4	31200386	1	OPERATION AND SAFETY MANUAL, (ASME - FRENCH)	
5	1001092481	1	WARNING DECAL, (ASME)	
5	1001096021	1	WARNING DECAL, (ISO)	
5	1001096019	1	WARNING DECAL, (ASME - FRENCH)	
6	1001092482	1	CAPACITY DECAL, (ASME)	
6	1001096023	1	CAPACITY DECAL, (ISO)	
6	1001096020	1	CAPACITY DECAL, (ASME - FRENCH)	
7	N.S.S.	1	FORK MOUNTED PLATFORM, (includes items 101 thru 114) **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	B
7	N.S.S.	1	FORK MOUNTED PLATFORM, (includes items 101, 103 thru 106, 108, 110, 111, 154, 155 & 201 thru 218) **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	J
8	N.S.S.	1	SN PLATE	
101	0860520	1	MANUAL STORAGE BOX	
102	2080044	4	RIVNUT FASTENER, 1/4-20	
103	2600281	2	HINGE	
104	2940074	1	LATCH	
105	3520198	21	PLUG, **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	
105	3520072	10	PLUG, **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
106	3820020	20	POP RIVET, **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	
106	3820020	4	POP RIVET, **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
107	4751400	4	WASHER, 1/4	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
108	4846452	1	GATE WELDMENT	
109	80263012	4	SCREW WHIZ-LOCK, 1/4-20X1/2	
110	1001093140	1	GATE WELDMENT, **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	
110	1001095810	1	GATE WELDMENT, **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
111	N.S.S.	1	PLATFORM WELDMENT	
112	1001093171	2	PIN	
113	1001097168	2	SAFETY SNAP PIN WITH LANYARD	
114	1001098582	2	LYNCH PIN 3/16 WITH LANYARD	
154	1701509	1	MANUAL DECAL	
155	1704277	8	LANYARD ATTACH DECAL, **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	
155	1704277	3	LANYARD ATTACH DECAL, **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
201	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8	
203	1060379	2	6IN LANYARD CABLE	
206	2080040	16	FASTENER	
209	3311405	4	HEX NUT, 1/4-20	
210	3421453	2	PIN	
212	3760170	4	RING	
214	4711400	8	WASHER, 1/4	
218	1001102813	2	HITCH PIN	

FIGURE 3-26. FORK PIN LOCK INSTALLATION (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

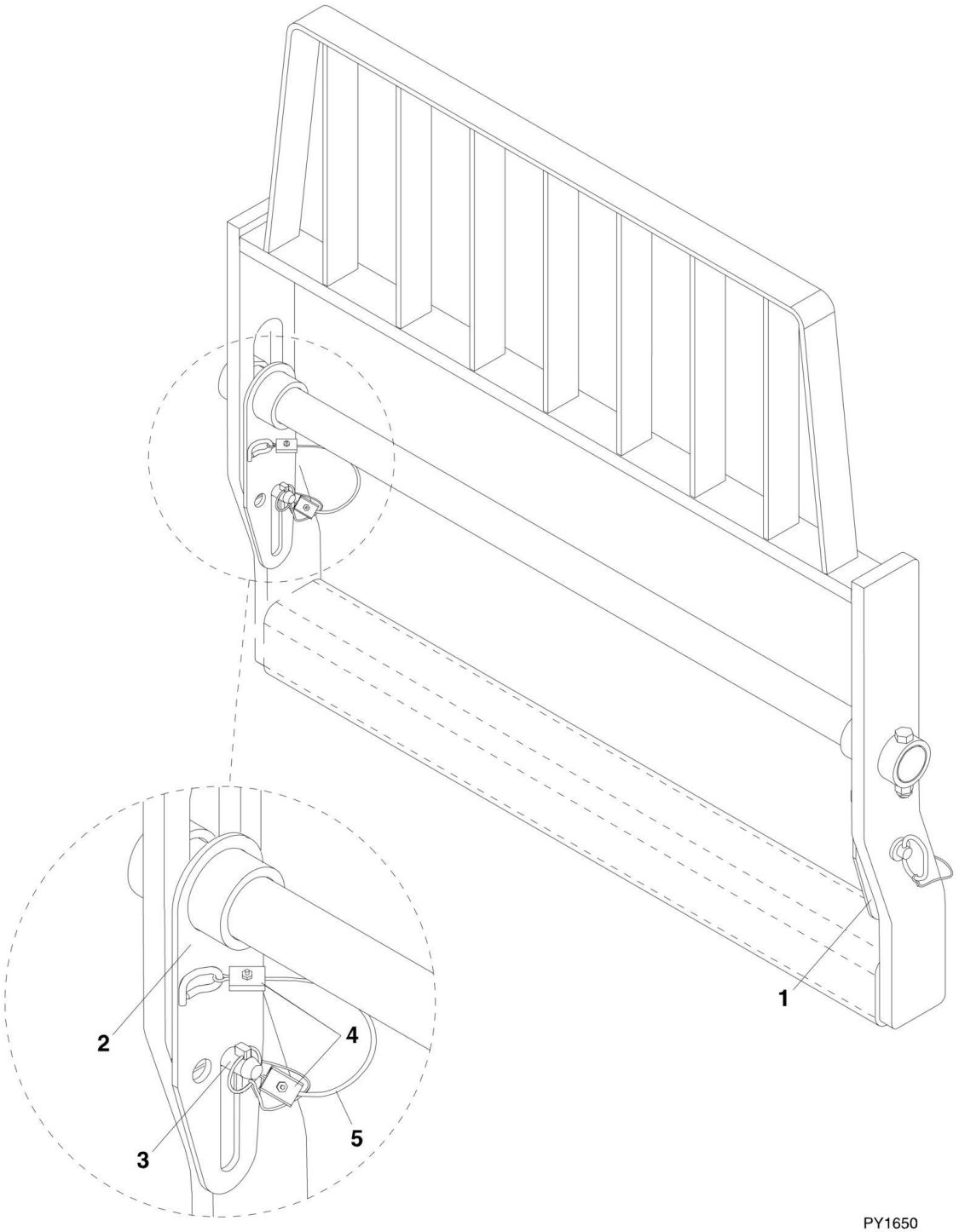


FIGURE 3-26. FORK PIN LOCK INSTALLATION (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093465	1	FORK PIN LOCK INSTALLATION, (includes all items)	B
1	0240156	1	LH FORK PIN LOCK	
2	1001093273	1	RH FORK PIN LOCK	
3	1001093377	2	HITCH PIN	
4	1001094830	4	CLAMP	
5	1001094330	2	LANYARD	

FIGURE 3-27. GRAPPLE BUCKET (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

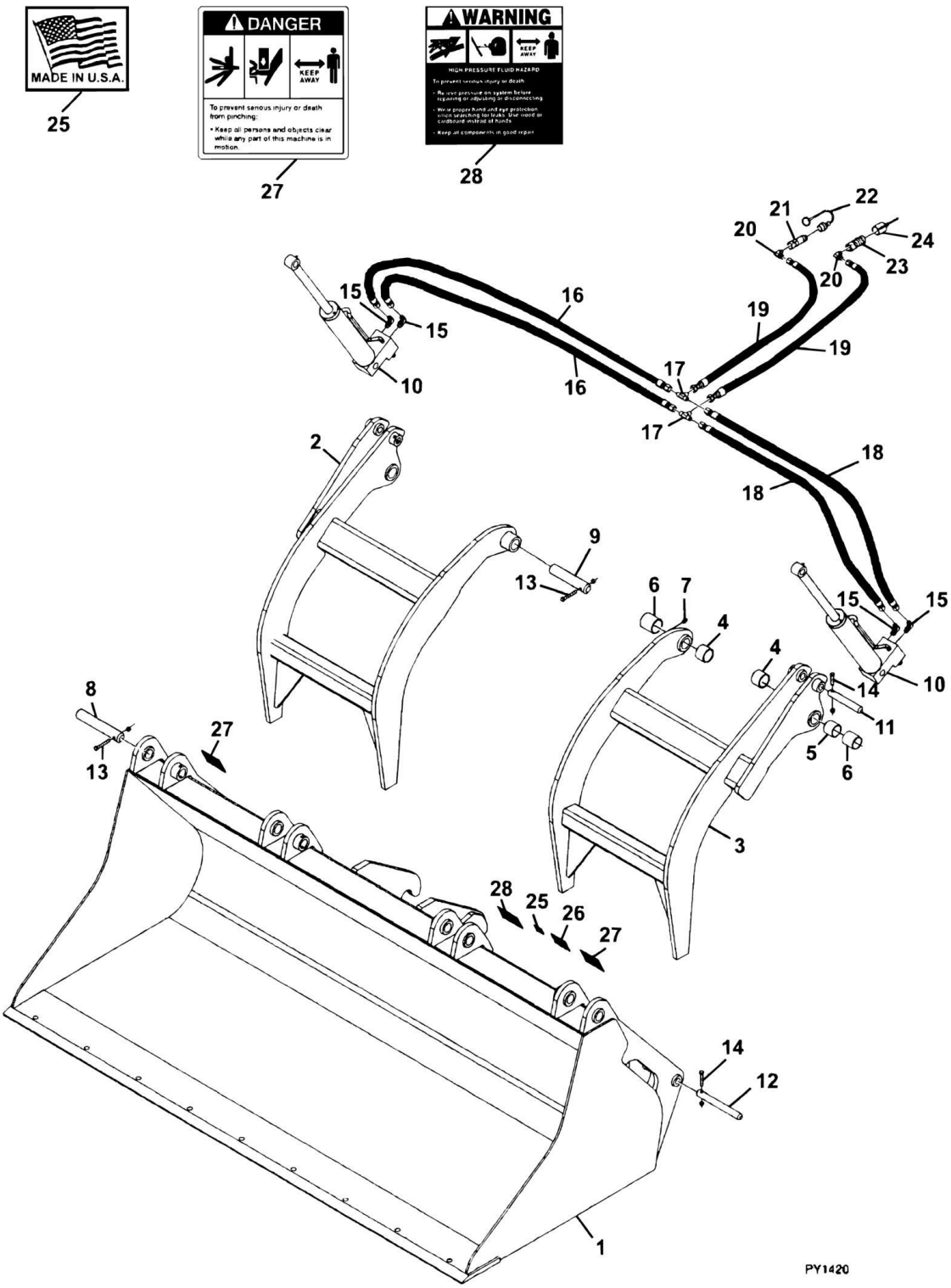
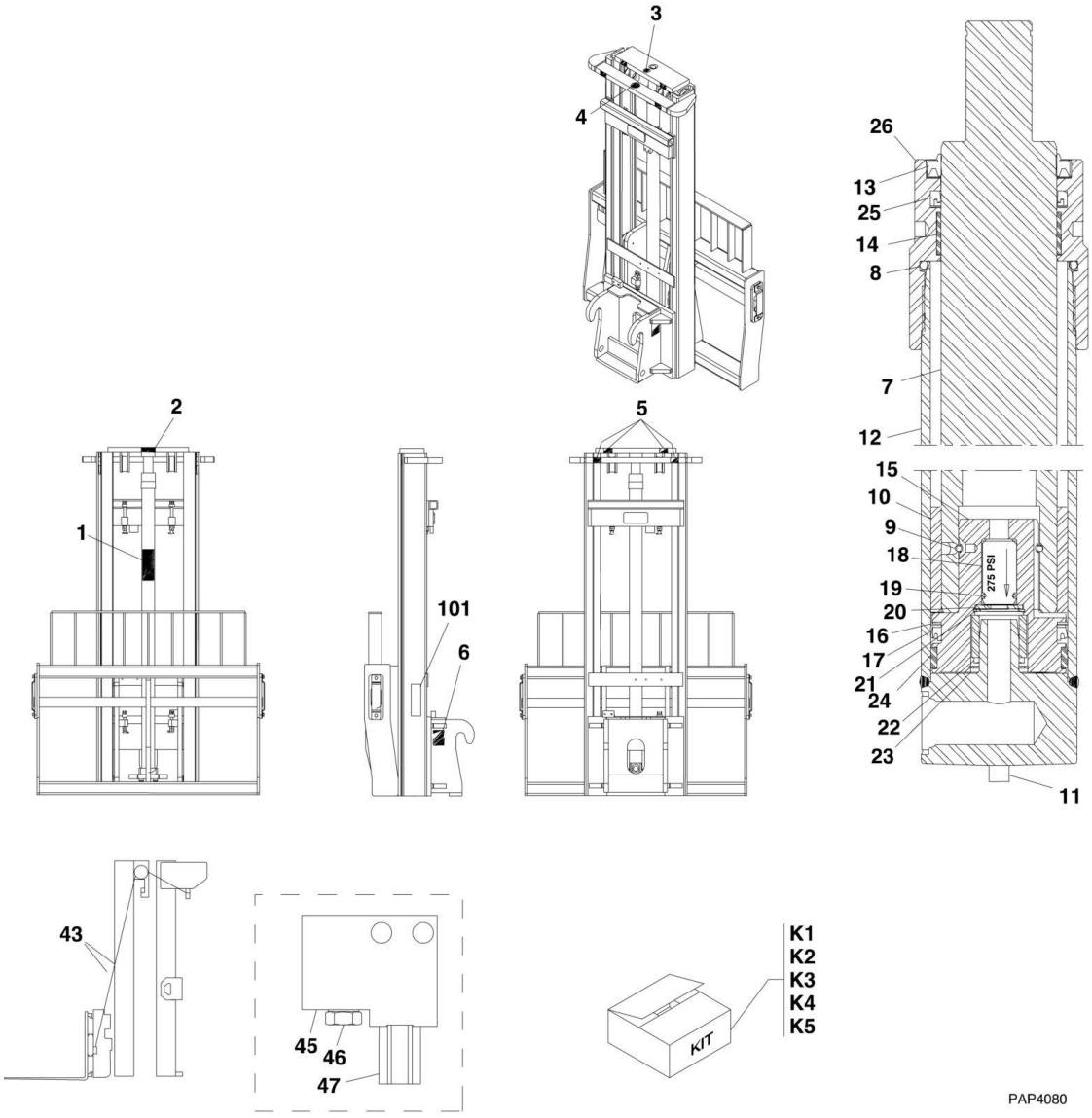


FIGURE 3-27. GRAPPLE BUCKET (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930020	1	GRAPPLE BUCKET, (includes all items)	G
1	N.S.S.	1	BUCKET	
1	70021387	4	HOSE CLAMP	
2	70021391	1	RIGHT GRAPPLE HOOK	
3	70021392	1	LEFT GRAPPLE HOOK	
4	70021358	4	BUSHING	
5	70021359	2	SPACER	
6	70021360	4	BUSHING	
7	7029714	4	GREASE FITTING	
8	70021361	2	OUTER PIVOT PIN	
9	70021362	2	INNER PIVOT PIN	
10		Ref	GRAPPLE BUCKET CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	70021364	2	PIN	
12	70021365	2	PIN	
13	70021366	4	HEX HD CAPSCREW, 3/8X2.75	
13	70021367	4	LOCKNUT, 3/8	
14	70021399	4	HEX HD CAPSCREW, 3/8X2.25	
14	70021367	4	LOCKNUT, 3/8	
15	90554065	4	ELBOW, 90	
16	70021980	2	HOSE ASSY, 3/8X73IN	
17	70020562	2	TEE FITTING	
18	70021981	2	HOSE ASSY, 3/8X46IN	
19	70021395	2	HOSE ASSY, 3/8X34IN	
20	70022527	2	ELBOW, 90	
21	7029692	1	MALE QUICK COUPLER	
22	90554062	1	DUST COVER	
23	70021342	1	FEMALE QUICK COUPLER	
24	90554076	1	DUST COVER	
25	90554016	1	MADE IN USA DECAL	
26	N.S.S.	1	SN PLATE	
27	90554017	2	DANGER PINCH POINT DECAL	
28	90554018	1	HIGH PRESSURE WARNING DECAL	

FIGURE 3-28. 8 FT STANDARD MAST (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)



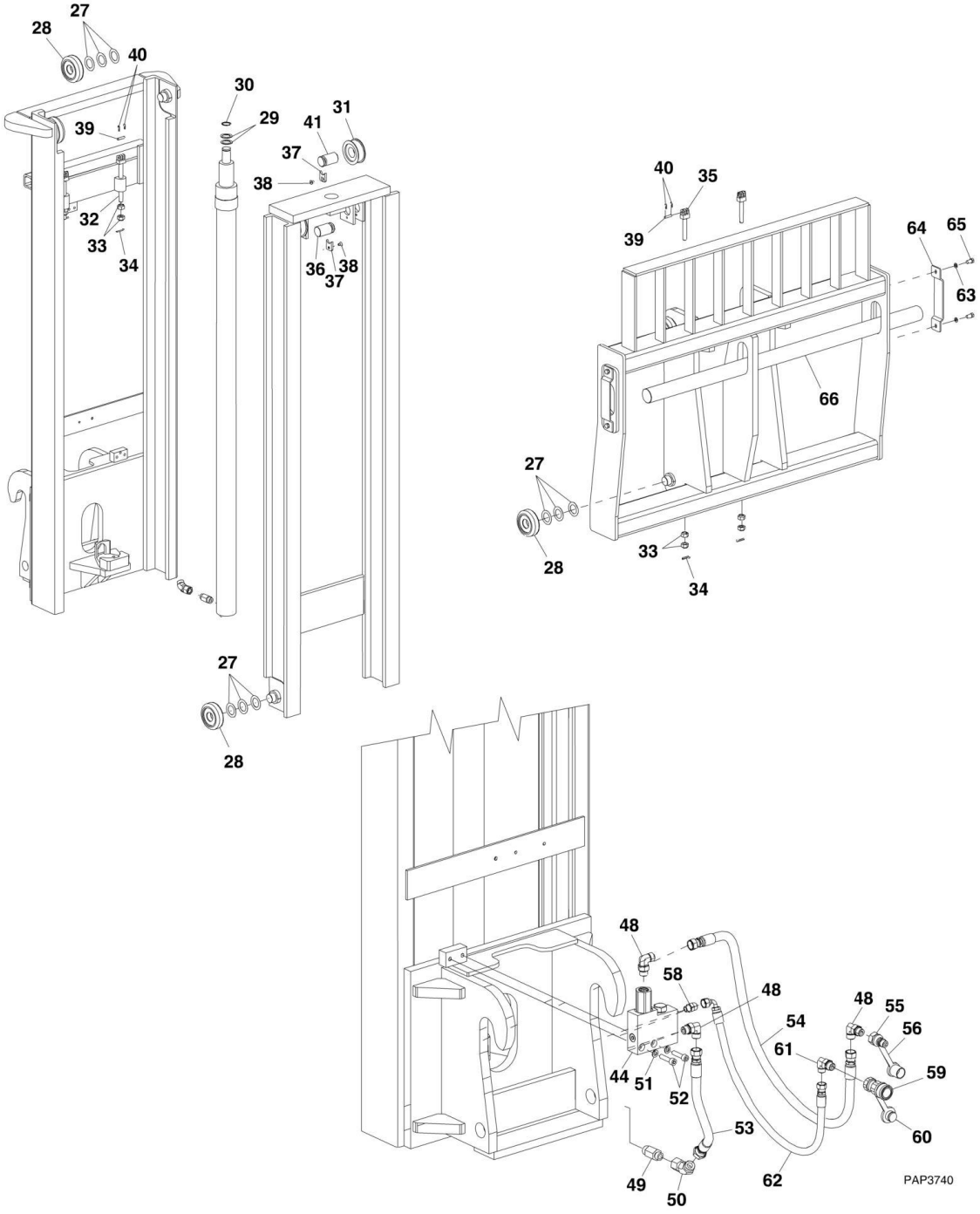
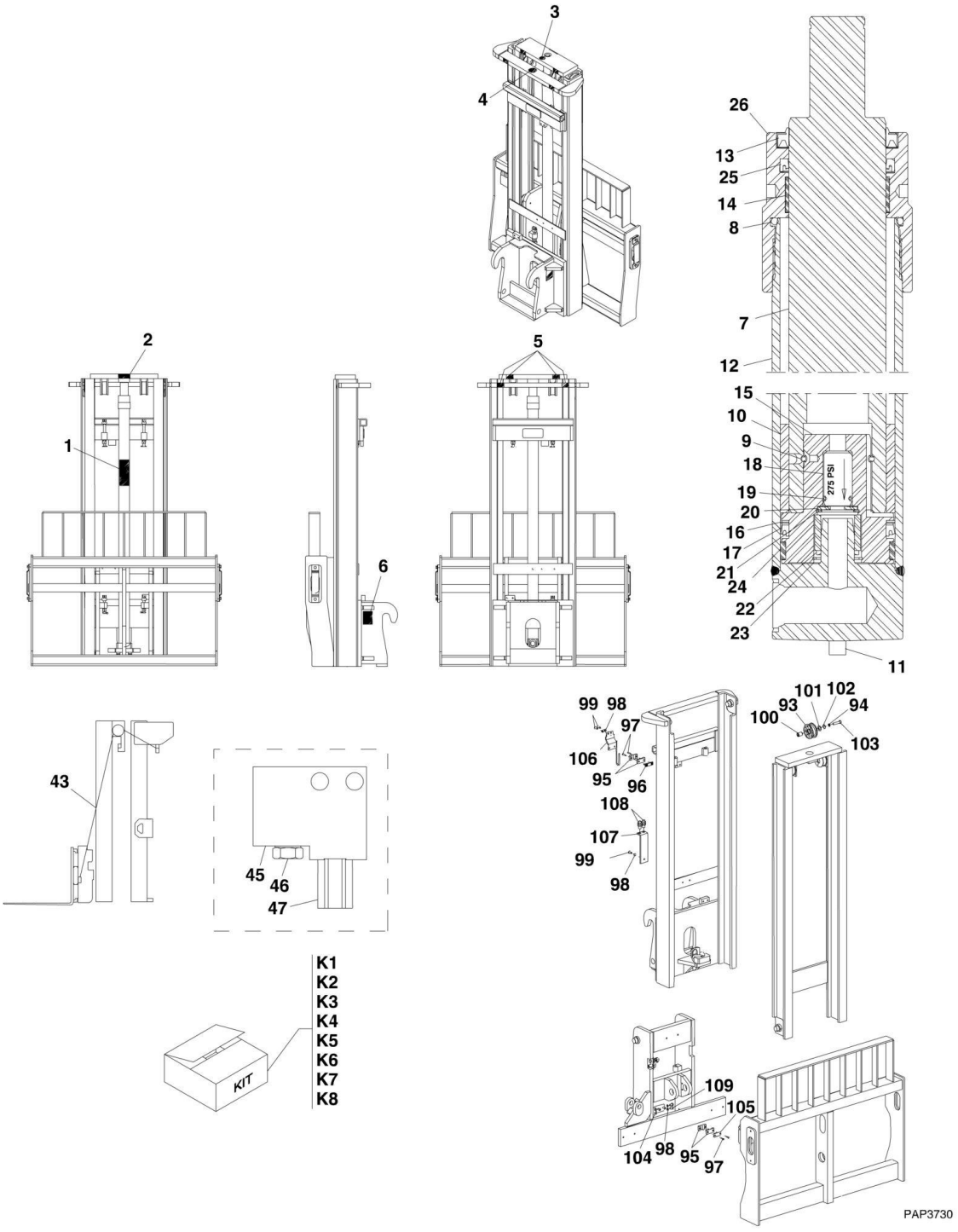

27
28
40
39
30
29
41
31
37
38
32
33
34
36
37
38
27
28
40
35
39
64
65
63
66
27
28
33
34
48
58
48
48
55
54
56
61
59
44
51
52
53
60
49
50
62
PAP3740

FIGURE 3-28. 8 FT STANDARD MAST (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108668	1	8FT STANDARD MAST, (includes all items)	B
1	Kit	1	WARNING DECAL	
2	Kit	1	WARNING DECAL	
3	Kit	1	NO STEP DECAL	
4	Kit	1	NO STEP DECAL	
5	Kit	4	HANDS OFF DECAL	
6	1001111190	2	HOSE ROUTING	
	70023008	1	MAIN LIFT CYLINDER, (includes items 7 thru 26)	
7	N.S.S.	1	ROD/PLUNGER	
8	Kit	1	O-RING	
9	Kit	1	PULL WIRE	
10	N.S.S.	1	SPACER	
11	N.S.S.	2	ROLL PIN	
12	N.S.S.	1	BARREL	
13	Kit	1	WIPER	
14	Kit	1	BUSHING	
15	N.S.S.	1	PISTON	
16	Kit	1	NYLON RING	
17	Kit	1	PISTON SEAL	
18	Kit	1	CHECK VALVE	
19	Kit	1	O-RING	
20	Kit	1	WASHER	
21	Kit	1	CIRCLIP	
22	N.S.S.	1	SLEEVE	
23	Kit	1	RETAINING RING	
24	Kit	1	WEAR RING	
25	Kit	1	ROD SEAL	
26	70023004	1	RETAINER/GLAND	
27	70023014	24	SHIM	
28	70022987	8	BALL BEARING	
29	Kit	2	WASHER SHIM	
30	70023016	1	SNAP RING	
31	70022969	2	SHEAVE ASSY	
32	70022960	2	CHAIN ANCHOR	
33	70022957	8	NUT, 0.625-18UNF	
34	70022993	4	COTTER PIN	
35	70022995	2	CHAIN ANCHOR	
36	70022984	1	SHEAVE SHAFT	
37	70022970	2	RETAINER BAR	
38	70023003	2	FLAT HD CAPSCREW	
39	70022994	4	CHAIN ANCHOR PIN	
40	70022992	8	COTTER PIN	
41	70022985	1	SHEAVE SHAFT	
43	70023009	2	LIFT CHAIN	
44	70022932	1	P.O. CHECK VALVE ASSY, (includes items 45, 46 & 47)	
45	N.S.S.	1	MANIFOLD	
46	70022931	1	P.O. CHECK VALVE CARTRIDGE	
47	70023010	1	P.O. CHECK	
48	70022934	3	FITTING, 90	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	70022936	1	FLOW LIMITER	
50	70022937	1	FITTING, 45	
51	70022949	2	LOCKWASHER, M10	
52	70022950	2	HEX SOCKET CAPSCREW	
53	70022942	1	HOSE ASSY	
54	70022952	1	HOSE ASSY	
55	91403414	1	MALE QUICK DISCONNECT COUPLING	
56	91043126	1	DUST CAP	
58	70022939	1	STRAIGHT FITTING, #6	
59	91403413	1	FEMALE QUICK DISCONNECT COUPLING	
60	91043125	1	DUST PLUG	
61	70022935	1	ELBOW, STRAIGHT THREAD	
62	70022946	1	HOSE ASSY	
63	70022949	4	LOCKWASHER, M10	
64	70022980	2	FORK PIN KEEPER	
65	70022998	4	CAPSCREW, M10X20, LG	
66	70022990	1	FORK PIN	
101	N.S.S.	1	SN PLATE	
K1	70023925	1	DECAL KIT, (includes items 1 thru 6)	
K2	70023005	1	SEAL KIT, MAIN LIFT CYLINDER, (includes items 8, 9, 13, 14, 16, 17, 19, 21, 23, 24 & 25)	
K3	70023006	1	CHECK VALVE KIT, (includes items 18, 19, 20, 21 & 23)	
K4	70023007	1	SHIM KIT	
K5	70023015	1	MAST COMMON PARTS KIT, (includes items 27 thru 43)	

FIGURE 3-29. 8 FT SIDE TILT ELECTRIC MAST (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)



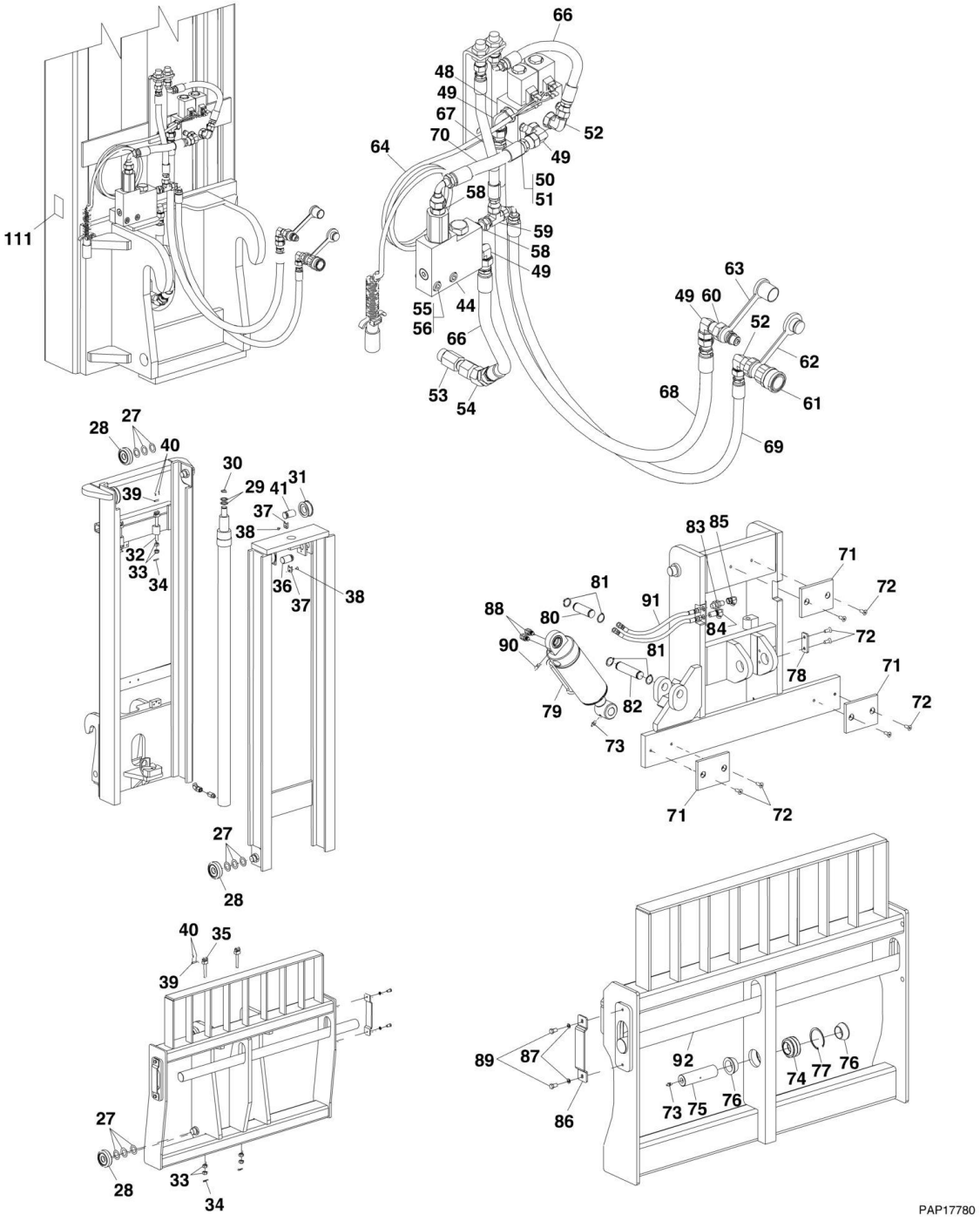

111
66
48
49
67
70
64
52
49
50
51
58
59
58
49
55
56
44
66
53
54
63
49
60
52
62
61
68
69
28
27
40
39
30
29
41
31
37
38
32
33
34
36
37
38
27
28
40
35
39
27
28
33
34
83
85
71
72
81
91
88
80
84
72
90
81
78
71
79
82
72
73
71
72
89
87
92
74
77
76
73
75
76
86
PAP17780

FIGURE 3-29. 8 FT SIDE TILT ELECTRIC MAST (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108669	1	8FT SIDE TILT ELECTRIC MAST, (includes all items)	D
1	Kit	1	WARNING DECAL	
2	Kit	1	WARNING DECAL	
3	Kit	1	NO STEP DECAL	
4	Kit	1	NO STEP DECAL	
5	Kit	4	HANDS OFF DECAL	
6	1001111190	2	WARNING DECAL	
7	N.S.S.	1	ROD/PLUNGER	
8	Kit	1	O-RING	
9	Kit	1	PULL WIRE	
10	N.S.S.	1	SPACER	
11	N.S.S.	2	ROLL PIN	
12	N.S.S.	1	BARREL	
13	Kit	1	WIPER	
14	Kit	1	BUSHING	
15	N.S.S.	1	PISTON	
16	Kit	1	NYLON RING	
17	Kit	1	PISTON SEAL	
18	Kit	1	CHECK VALVE	
19	Kit	1	O-RING	
20	Kit	1	WASHER	
21	Kit	1	CIRCLIP	
22	N.S.S.	1	SLEEVE	
23	Kit	1	RETAINING RING	
24	Kit	1	WEAR RING	
25	Kit	1	ROD SEAL	
26	70023004	1	RETAINER/GLAND	
27	70023014	24	SHIM	
28	70022987	8	BALL BEARING	
29	Kit	1	Kit	
30	70023016	1	SNAP RING	
31	70022969	2	SHEAVE ASSY	
32	70022960	2	CHAIN ANCHOR	
33	70022957	8	NUT, 0.625-18UNF	
34	70022993	4	COTTER PIN	
35	70022995	2	CHAIN ANCHOR	
36	70022984	1	SHEAVE SHAFT	
37	70022970	2	RETAINER BAR	
38	70023003	2	FLAT HD CAPSCREW	
39	70022994	4	PIN, CHAIN ANCHOR	
40	70022992	8	COTTER PIN	
41	70022985	1	SHEAVE SHAFT	
43	70023009	2	LIFT CHAIN	
44	70022932	1	P.O. CHECK VALVE ASSY, (includes items 45, 46 & 47)	
45	N.S.S.	1	MANIFOLD	
46	70022931	1	P.O. CHECK VALVE CARTRIDGE	
47	70023010	1	P.O. CHECK	
48	70022933	1	SOLENOID VALVE BANK	
49	70022934	4	FITTING, 90	

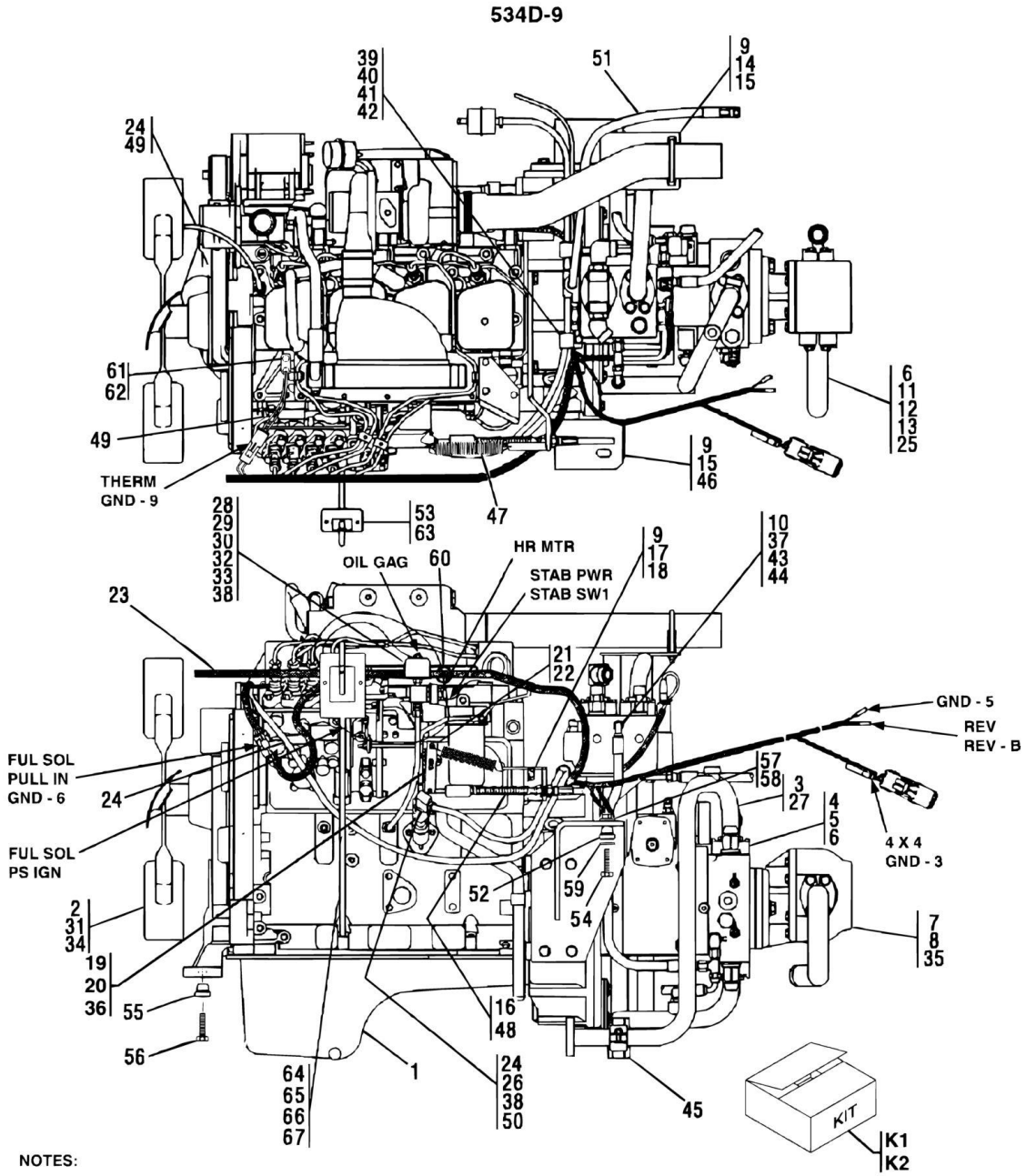
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70022948	2	LOCKWASHER, M8	
51	70022951	2	CAPSCREW, M8X60	
52	70022935	2	STRAIGHT THREAD ELBOW	
53	70022936	1	FLOW LIMITER	
54	70022937	1	FITTING, 45	
55	70022949	2	LOCKWASHER, M10	
56	70022950	2	HEX SOCKET CAPSCREW	
57	70022938	1	STRAIGHT FITTING, (not shown)	
58	70022939	1	STRAIGHT FITTING, #6	
59	70022940	1	TEE FITTING	
60	91403414	1	MALE QUICK DISCONNECT COUPLING	
61	91403413	1	FEMALE QUICK DISCONNECT COUPLING	
62	91043125	1	DUST PLUG	
63	91043126	1	DUST CAP	
64	70022941	1	HARNESS	
65	70022942	1	HOSE ASSY, (not shown)	
66	70022943	1	HOSE ASSY	
67	70022944	1	HOSE ASSY	
68	70022945	1	HOSE ASSY	
69	70022946	1	HOSE ASSY	
70	70022947	1	HOSE ASSY	
71	70022972	3	WEAR PAD	
72	70022971	8	FLAT HD CAPSCREW	
73	70023001	2	GREASE FITTING	
74	70022975	1	BEARING	
75	70022973	1	PIVOT SHAFT	
76	70022974	2	BEVELED SPACER	
77	70022988	1	RETAINING RING	
78	70022976	1	RETAINER PLATE	
79	2716143	1	TILT CYLINDER	
80	70022977	1	PIN, 128.1mm	
81	70023016	4	SNAP RING, 1-1/4	
82	70022978	1	PIN, 128.1mm	
83	70023000	1	BULKHEAD UNION, (with locknut)	
84	70022999	1	BULKHEAD UNION ELBOW	
85	70022982	1	STRAIGHT THREAD ELBOW	
86	70022980	2	FORK PIN KEEPER	
87	70022949	4	LOCKWASHER, M10	
88	70022991	2	STRAIGHT THREAD ELBOW, 90	
89	70022998	4	CAPSCREW, M10X20, LG	
90	70022966	1	GREASE FITTING	
91	70022979	2	HOSE ASSY	
92	70022990	1	FORK PIN	
93	70022965	1	SHEAVE	
94	70022997	1	LOCKWASHER, M12, (not shown)	
95	70022967	4	HOSE CLAMP	
96	70022962	1	BAR ASSY	
97	70023002	4	CAPSCREW, M6X25, LG	
98	70022949	5	LOCKWASHER, M10	
99	70022958	3	CAPSCREW, M10X20	
100	70022961	1	SHAFT	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	70022959	1	WASHER	
102	70022989	1	RETAINING RING	
103	70022964	1	CAPSCREW, M12X55	
104	70022981	1	IHR BRACKET	
105	70022968	1	HOSE CLAMP BAR	
106	70023011	1	IHR BRACKET	
107	70022983	1	TERMINATION BRACKET	
108	70023000	2	BULKHEAD UNION AND LOCKNUT	
109	70022996	3	CAPSCREW, M10X16 LG	
110	70022963	2	HOSE ASSY, (not shown)	
111	N.S.S.	1	SN PLATE	
K1	70023925	1	DECAL KIT, (includes items 1 thru 6)	
K2	70023005	1	SEAL KIT, MAIN LIFT CYLINDER, (includes items 8, 9, 13, 14, 16, 17, 19, 21, 23, 24 & 25)	
K3	70023006	1	CHECK VALVE KIT, (includes items 18, 19, 20, 21 & 23)	
K4	70023007	1	SHIM KIT	
K5	70023015	1	MAST COMMON PARTS KIT, (includes items 27 thru 43)	
K6	8035831	1	SEAL KIT, TILT CYLINDER	
K7	70023013	1	IHR COMMON PARTS KIT, (includes items 93 thru 109)	
K8	70022986	1	IHR KIT, (includes items 93 thru 110)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544001 through 0544084)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

PAP19720

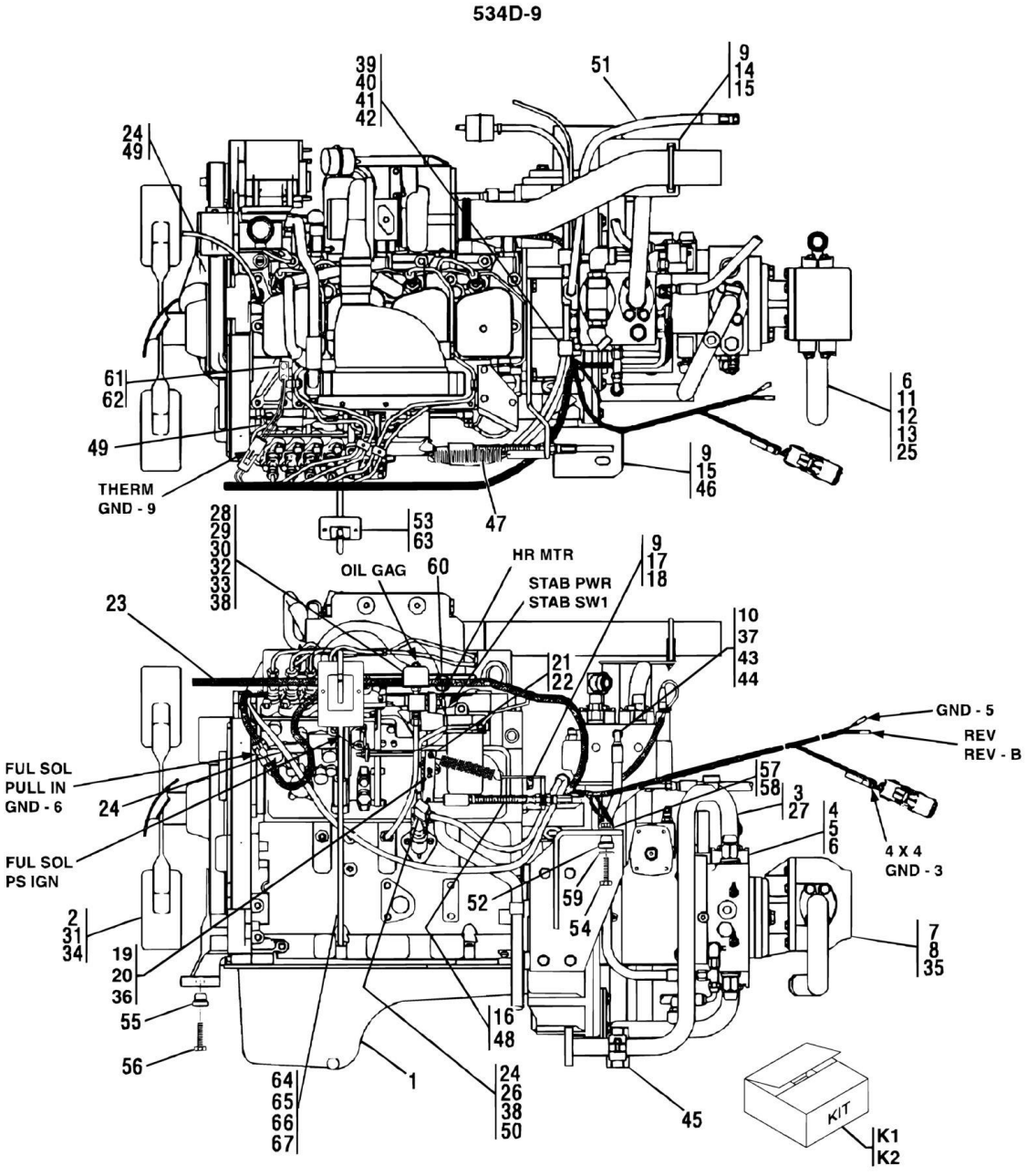
FIGURE 4-1. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544001 through 0544084)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345001	Ref	ENGINE ASSY, (534D-9), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1		Ref	CUMMINS B3.9C-110 EPA ENGINE, (534D-9)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1-1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 ft lbs)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23	91363033	1	ENGINE WIRING HARNESS	
24	82092118	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	24741047	1	PRESSURE SWITCH	
29	91143315	1	OIL PRESSURE SENDER	
30	91081388	1	TAPPED BAR	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	2	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	91146021	1	LH ENGINE MOUNT	
47	91163259	1	THROTTLE SPRING	
48	90028977	1	YOKE END	
49	86883106	3	HOSE CLAMP	
50	86983649	1	ELBOW, 90, 1/4 PIPE	
51	84718745	1	HOSE ASSY	
52	91143031	1	SHOCK MOUNT	
53	91146101	1	DIPSTICK WELDMENT	
54	88201075	1	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
55	91143030	1	SHOCK MOUNT	
56	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
57	88521008	1	LOCKNUT, 1/2-13	
58	88561111	1	FLAT WASHER, 1/2	
59	91143032	1	REBOUND WASHER	
60	91363029	1	ATOMIZER	
61	91365014	1	QUICK START THERMOSTAT ASSY, (includes the following items)	
61	91363031	1	THERMOSTAT	
61	80963058	1	SHROUD CONNECTOR, (2-wire)	
61	80963069	2	MALE PIN TERMINAL	
61	80963065	2	CABLE SEAL	
62	83191038	1	HEX HD CAPSCREW, M10X1.5X20	
63	91124125	1	DIPSTICK	
64	91164115	1	LOWER TUBE	
65	91164112	1	DIPSTICK TUBE	
66	91164113	1	UPPER TUBE END	
67	91164114	2	SPRING CLAMP	
68	91164118	1	SOLENOID, FUEL SHUT-OFF, (not shown)	
K1	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items)	
K1	1001220559	1	FILTER KIT, (includes the following items)	
K1	91154001	1	AIR FILTER	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	1001128952	1	1000 HOUR FILTER KIT, (includes the following items)	
K2	91154001	1	AIR FILTER	
K2	91083218	1	FUEL STRAINER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	ENGINE OIL FILTER	
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-2. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544085 through 0544216)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

PAP19730

FIGURE 4-2. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544085 through 0544216)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345001	Ref	ENGINE ASSY, (534D-9), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1		Ref	CUMMINS B3.9C-110 EPA ENGINE, (534D-9)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1-1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 ft lbs)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23	91363033	1	ENGINE WIRING HARNESS	
24	82092118	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	24741047	1	PRESSURE SWITCH	
29	91143315	1	OIL PRESSURE SENDER	
30	91081388	1	TAPPED BAR	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	2	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	91146021	1	LH ENGINE MOUNT	
47	91163259	1	THROTTLE SPRING	
48	90028977	1	YOKE END	
49	86883106	3	HOSE CLAMP	
50	86983649	1	ELBOW, 90, 1/4 PIPE	
51	84718745	1	HOSE ASSY	
52	91143031	1	SHOCK MOUNT	
53	91146101	1	DIPSTICK WELDMENT	
54	88201075	1	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
55	91143030	1	SHOCK MOUNT	
56	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
57	88521008	1	LOCKNUT, 1/2-13	
58	88561111	1	FLAT WASHER, 1/2	
59	91143032	1	REBOUND WASHER	
60	91363029	1	ATOMIZER	
61	91365014	1	QUICK START THERMOSTAT ASSY, (includes the following items)	
61	91363031	1	THERMOSTAT	
61	80963058	1	SHROUD CONNECTOR, (2-wire)	
61	80963069	2	MALE PIN TERMINAL	
61	80963065	2	CABLE SEAL	
62	83191038	1	HEX HD CAPSCREW, M10X1.5X20	
63	91124125	1	DIPSTICK	
64	91164115	1	LOWER TUBE	
65	91164112	1	DIPSTICK TUBE	
66	91164113	1	UPPER TUBE END	
67	91164114	2	SPRING CLAMP	
K1	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items	
K1	1001220559	1	FILTER KIT, (includes the following items)	
K1	91154001	1	AIR FILTER	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	1001128952	1	1000 HOUR FILTER KIT, (includes the following items)	
K2	91154001	1	AIR FILTER	
K2	91083218	1	FUEL STRAINER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	ENGINE OIL FILTER	
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-3. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544217 through 0544717)

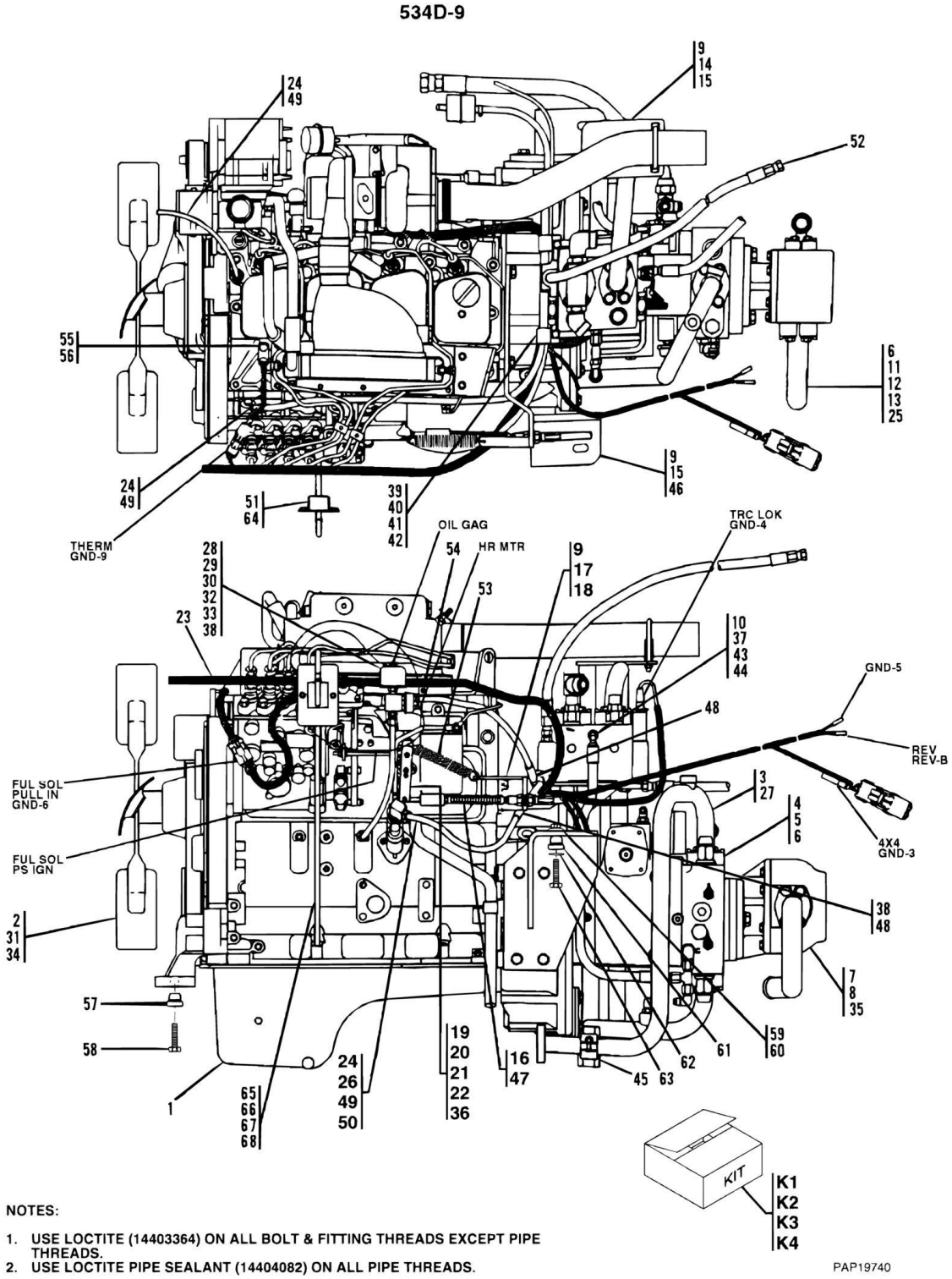


FIGURE 4-3. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544217 through 0544717)

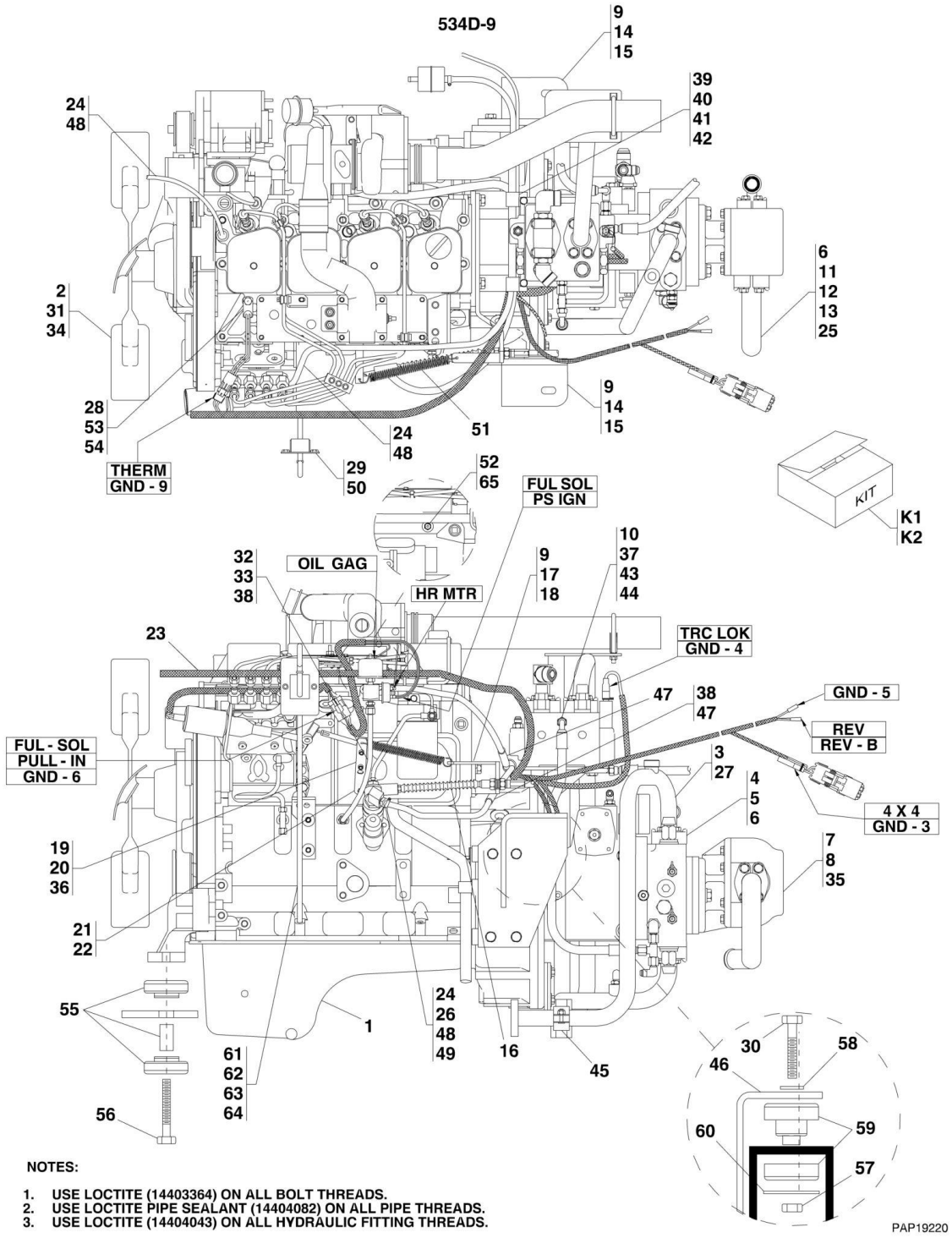
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345001	Ref	ENGINE ASSY, (534D-9), (includes all items except 57 thru 63 on on ENGINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1		Ref	CUMMINS B3.9C-110 EPA ENGINE, (534D-9)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1-1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 ft lbs)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23	91333013	1	WIRING HARNESS	
24	82092118	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	24741047	1	PRESSURE SWITCH	
29	91143315	1	OIL PRESSURE SENDER	
30	91081388	1	TAPPED BAR	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	2	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	91146021	1	LH ENGINE MOUNT	
47	90028977	1	YOKE END	
48	91083493	6 in	SPLIT FLEX LOOM, 1/2 ID	
49	86883106	4	HOSE CLAMP	
50	86983649	1	ELBOW, 90, 1/4 PIPE	
51	91146101	1	DIPSTICK WELDMENT	
52	84718745	1	HOSE ASSY	
53	91163259	1	THROTTLE SPRING	
54	91363029	1	ATOMIZER, 1/8	
55	91365014	1	QUICK START ASSY, (includes the following four items)	
55	91363031	1	THERMOSTAT	
55	80963058	1	SHROUD CONNECTOR, (2-wire)	
55	80963069	2	MALE PIN TERMINAL	
55	80963065	2	CABLE SEAL	
56	83191038	1	HEX HD CAPSCREW, M10X1.50X20	
57	91143030	1	SHOCK MOUNT	
58	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
59	88521008	1	LOCKNUT, 1/2-13	
60	88561111	1	FLAT WASHER, 1/2	
61	91143031	1	SHOCK MOUNT	
62	91143032	1	REBOUND WASHER	
63	88201075	1	HEX HD CAPSCREW, 1/2X3-1/2, GR5	
64	91124125	1	DIPSTICK	
65	91164115	1	LOWER TUBE	
66	91164112	1	DIPSTICK TUBE	
67	91164113	1	UPPER TUBE END	
68	91164114	2	SPRING CLAMP	
K1	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items) **(SN 0544217 through 0544399)**	
K1	1001220559	1	FILTER KIT, (includes the following items)	
K1	91154001	1	AIR FILTER	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	91365042	1	250 HOUR FILTER KIT, (includes the following items) **(SN 054400 through 0544717)**	
K2	1101312	1	AIR FILTER ELEMENT	
K2	1101313	1	AIR FILTER SAFETY ELEMENT	
K2	91083218	1	FUEL FILTER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	LUBE FILTER	
K3	1001128952	1	1000 HOUR FILTER KIT, (includes following items) **(SN 0544001 through 0544399)**	
K3	91154001	1	AIR FILTER	
K3	91083218	1	FUEL STRAINER	
K3	8320270	1	FUEL FILTER	
K3	91084001	1	ENGINE OIL FILTER	
K3	2120168	2	HYDRAULIC FILTER	
K3	91083069	1	HYDRAULIC BREATHER	
K4	1001128961	1	1000 HOUR FILTER KIT, (includes the following items) **(SN 0544400 through 0544717)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K4	1101312	1	PRIMARY AIR FILTER	
K4	1101313	1	SECONDARY AIR FILTER	
K4	91083218	1	FUEL STRAINER	
K4	8320270	1	FUEL FILTER	
K4	91084001	1	ENGINE OIL FILTER	
K4	2120168	2	HYDRAULIC FILTER	
K4	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-4. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.
3. USE LOCTITE (14404043) ON ALL HYDRAULIC FITTING THREADS.

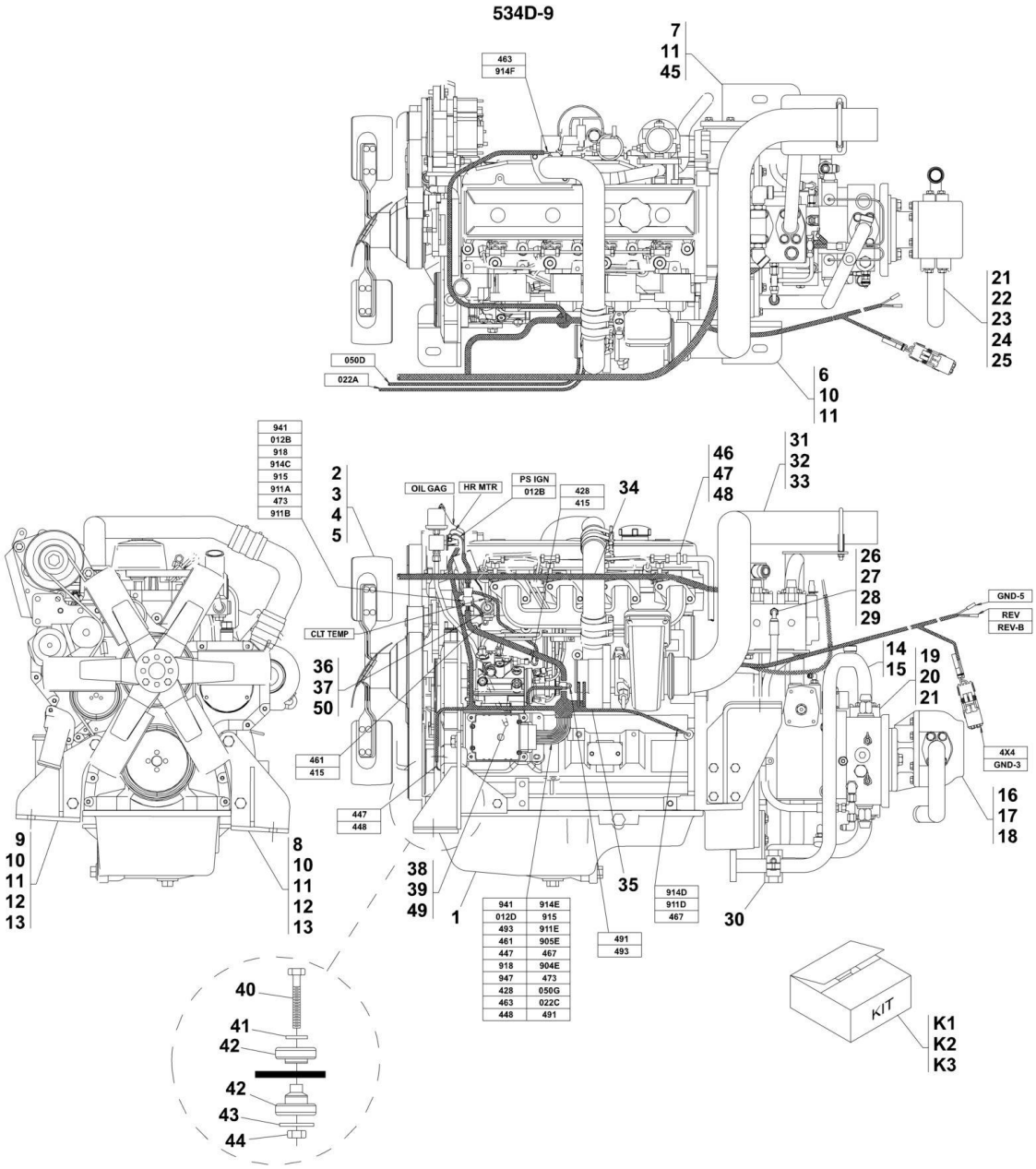
FIGURE 4-4. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345019	Ref	ENGINE ASSY, (534D-9), (includes all items except 30, 53, 55 thru 60 on ENGINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	J
1		Ref	CUMMINS B3.9C-110 EPA ENGINE, (534D-9)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1-1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 ft lbs)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23		Ref	WIRING HARNESS ASSY, (See ELECTRICAL SECTION for Breakdown)	
24	2720058	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	83191013	1	LOCKWASHER, M10	
29	91124125	1	DIPSTICK	
30	88201075	1	HEX HD CAPSCREW, 1/2X3-1/2, GR5	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	1	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	
46	91146021	1	LH ENGINE MOUNT	
47	91083493	6 in	SPLIT FLEX LOOM, 1/2 ID	
48	86883106	4	HOSE CLAMP	
49	86983649	1	ELBOW, 90, 1/4 PIPE	
50	91146101	1	DIPSTICK WELDMENT	
51	91163259	1	THROTTLE SPRING	
52	91363029	1	ATOMIZER, 1/8	
53		Ref	QUICK START ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
54	83191038	1	HEX HD CAPSCREW, M10X1.50X20	
55	91143030	1	SHOCK MOUNT	
56	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
57	88521008	1	LOCKNUT, 1/2-13	
58	88561111	1	FLAT WASHER, 1/2	
59	91143031	1	SHOCK MOUNT	
60	91143032	1	REBOUND WASHER	
61	91164115	1	LOWER TUBE	
62	91164112	1	DIPSTICK TUBE	
63	91164113	1	UPPER TUBE END	
64	91164114	2	SPRING CLAMP	
65	91363028	1	NYLON TUBE	
K1	91365042	1	250 HOUR FILTER KIT, (includes the following items)	
K1	1101312	1	AIR FILTER ELEMENT	
K1	1101313	1	AIR FILTER SAFETY ELEMENT	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	1001128961	1	1000 HOUR FILTER KIT, (includes the following items)	
K2	1101312	1	PRIMARY AIR FILTER	
K2	1101313	1	SECONDARY AIR FILTER	
K2	91083218	1	FUEL STRAINER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	ENGINE OIL FILTER	
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-5. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160001051 through 0160010202; Including 0160000700, Excluding 0160010082 and 0160010093)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.
3. USE LOCTITE (14404043) ON ALL HYDRAULIC FITTING THREADS.

PAP17800

FIGURE 4-5. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160001051 through 0160010202; Including 0160000700, Excluding 0160010082 and 0160010093)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535004	Ref	ENGINE ASSY, (534D-9), (includes all items except 40 thru 44 on ENGINE ASSEMBLY, LH VIEW and all items except 50 thru 52 on ENGINE ASSEMBLY, RH VIEW and all items on ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	H
1		Ref	JOHN DEERE ENGINE, 110 HP, (See JOHN DEERE ENGINE for Breakdown)	
2	91553009	1	FAN	
3	91553046	1	FAN SPACER	
4	83191039	4	HEX HD CAPSCREW, M8X1.25X80, GR8	
5	88561108	4	FLAT WASHER, 5/16	
6	91536012	1	REAR ENGINE MOUNT, LH	
7	91536013	1	REAR ENGINE MOUNT, RH	
8	91536014	1	FRONT ENGINE MOUNT, LH	
9	91536015	1	FRONT ENGINE MOUNT, RH	
10	83191032	6	HEX HD CAPSCREW, M12X1.75X35, GR8, (torque to 66-76 lb-ft)	
11	83191010	10	LOCKWASHER, M12	
12	83191043	4	HEX HD CAPSCREW, M16X2.00X30, GR8, (torque to 166-181 lb-ft)	
13	83783030	4	LOCKWASHER, M16	
14	91163122	1	TUBE ASSY	
15	91083106	1	O-RING	
16		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
18	90027472	2	HARDENED WASHER, 5/8	
19	84712738	2	SPLIT FLANGE CLAMP	
20	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
21	88551012	8	LOCKWASHER, 7/16	
22	91143121	1	SUCTION TUBE	
23	88591027	1	O-RING	
24	84711334	2	FLANGE CLAMP	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	2220497	1	CONNECTOR, (includes item 29)	
27	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
28	77133447	1	HOSE ASSY	
29	88591206	1	O-RING	
30	90205792	1	CUSHION CLAMP	
31		Ref	EXHAUST TUBE, (See EXHAUST SYSTEM for Breakdown)	
32	91403216	1	V-BAND CLAMP	
33		Ref	MUFFLER CLAMP, (See EXHAUST SYSTEM for Breakdown)	
34		Ref	ENGINE HARNESS ASSY, (See ELECTRICAL SECTION for Breakdown)	
35	91553028	1	ECU ENGINE HARNESS	
36	91143314	1	WATER TEMPERATURE SENDER	
37	91403265	1	REDUCER BUSHING	
38	86883074	1	TUBE FITTING, 90	
39	72071980	40 in	NYLON TUBE	
40	88201106	4	HEX HD CAPSCREW, 5/8-11X4-1/2, GR5	
41	88561113	4	FLAT WASHER, 5/8	
42	91203137	4	SHOCK MOUNT	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	91203138	4	REBOUND WASHER	
44	88521010	4	HEX LOCKNUT, 5/8-11	
45	83191049	4	HEX HD CAPSCREW, M12X1.75X60, (torque to 66-76 lb-ft)	
46	86883106	1	HOSE CLAMP	
47	80373025	1	FITTING	
48	82092118	50 in	HOSE, 5/16	
49	88711570	1	PIPE ADAPTER	
50	88591011	1	O-RING	
K1	91535011	1	250 HOUR FILTER KIT, (9in air cleaner), (includes all items)	C
K1	1101312	1	AIR FILTER ELEMENT	
K1	1101313	1	AIR FILTER SAFETY ELEMENT	
K1	91083218	1	FUEL FILTER	
K1	91534004	1	FUEL FILTER	
K1	91534005	1	OIL FILTER	
K1	91534006	1	OIL FILTER SEAL	
K2	2915180	1	1000 HOUR FILTER KIT, (9in air cleaner), (includes 91535011 and the following)	B
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	
K3	1001113510	1	1000 HOUR FILTER KIT, (10in air cleaner), (includes all items)	2
K3	80373091	1	AIR FILTER ELEMENT	
K3	80373092	1	AIR FILTER SAFETY ELEMENT	
K3	91083218	1	FUEL FILTER	
K3	91534004	1	FUEL FILTER	
K3	91534005	1	OIL FILTER	
K3	91534006	1	OIL FILTER SEAL	
K3	2120168	2	HYDRAULIC FILTER	
K3	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-6. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366001 through 0366016)

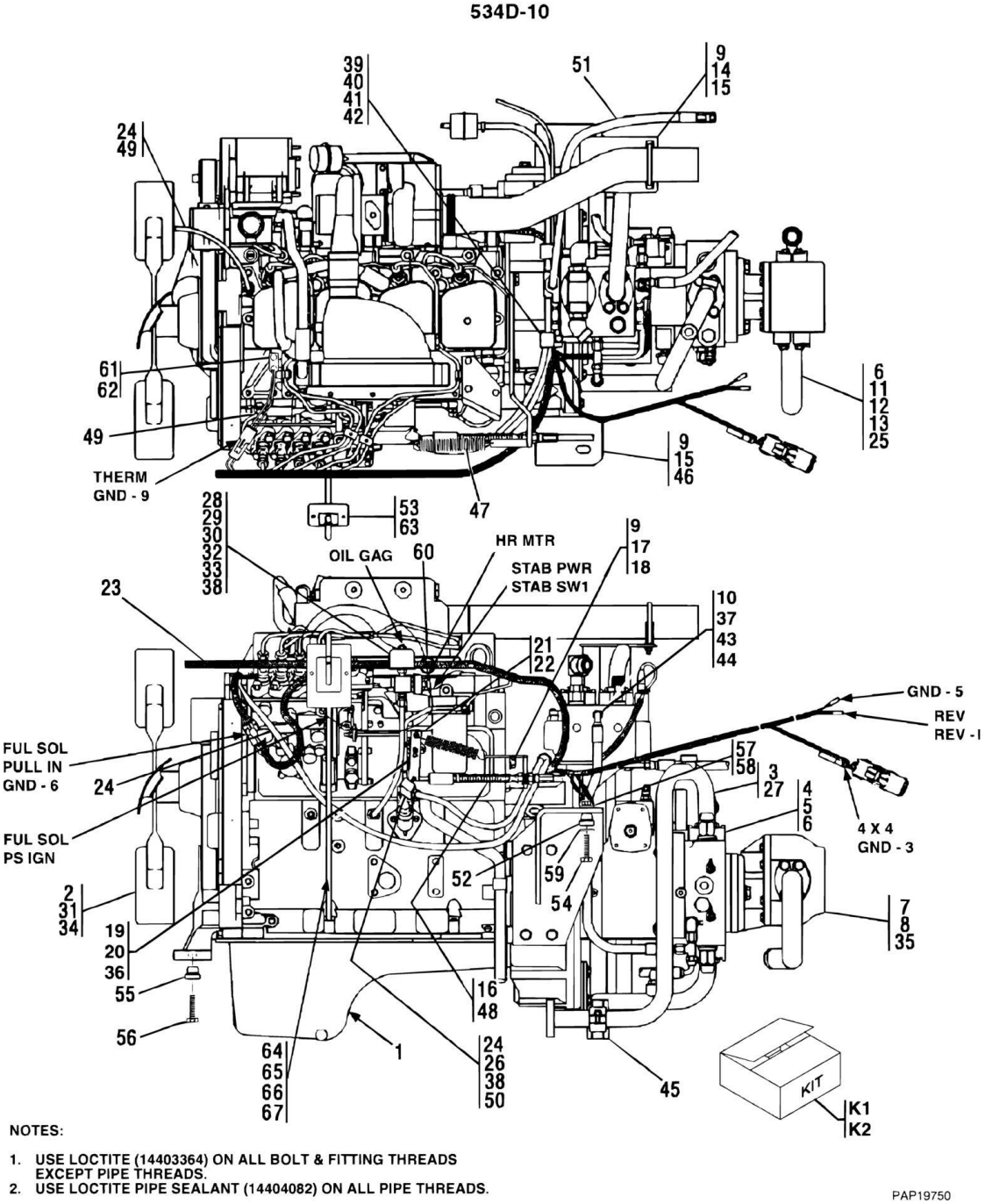


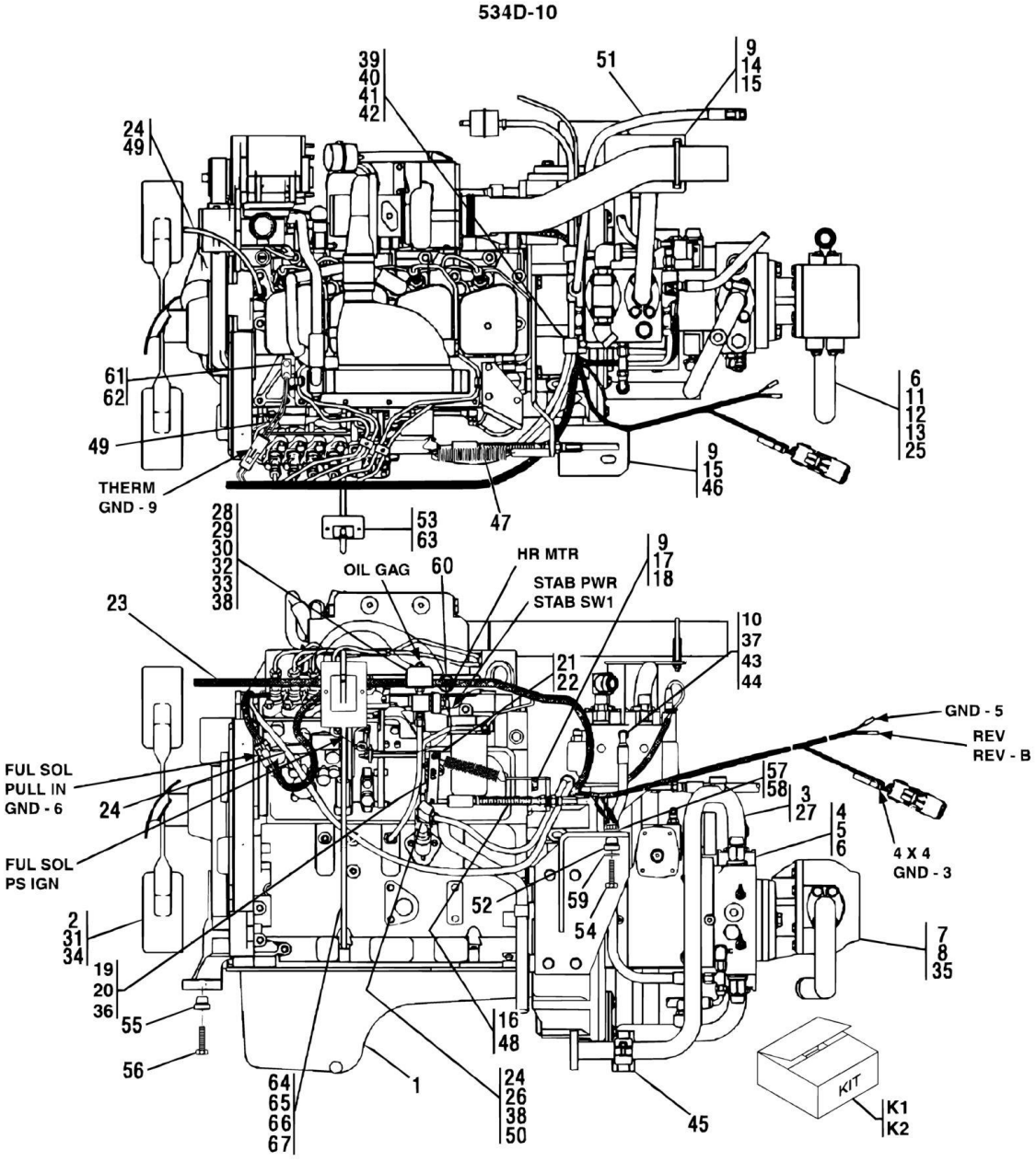
FIGURE 4-6. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366001 through 0366016)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355001	Ref	ENGINE ASSY, (534D-10), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1		Ref	CUMMINS B3.9C-116 EPA ENGINE, (534D-10)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 lb-ft)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23	91363033	1	ENGINE WIRING HARNESS	
24	82092118	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	24741047	1	PRESSURE SWITCH	
29	91143315	1	OIL PRESSURE SENDER	
30	91081388	1	TAPPED BAR	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	2	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	91146021	1	LH ENGINE MOUNT	
47	91163259	1	THROTTLE SPRING	
48	90028977	1	YOKE END	
49	86883106	3	HOSE CLAMP	
50	86983649	1	ELBOW, 90, 1/4 PIPE	
51	84718745	1	HOSE ASSY	
52	91143031	1	SHOCK MOUNT	
53	91146101	1	DIPSTICK WELDMENT	
54	88201075	1	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
55	91143030	1	SHOCK MOUNT	
56	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
57	88521008	1	LOCKNUT, 1/2-13	
58	88561111	1	FLAT WASHER, 1/2	
59	91143032	1	REBOUND WASHER	
60	91363029	1	ATOMIZER	
61	91365014	1	QUICK START THERMOSTAT ASSY, (includes the following items)	
61	91363031	1	THERMOSTAT	
61	80963058	1	SHROUD CONNECTOR, (2-wire)	
61	80963069	2	MALE PIN TERMINAL	
61	80963065	2	CABLE SEAL	
62	83191038	1	HEX HD CAPSCREW, M10X1.5X20	
63	91124125	1	DIPSTICK	
64	91164115	1	LOWER TUBE	
65	91164112	1	DIPSTICK TUBE	
66	91164113	1	UPPER TUBE END	
67	91164114	2	SPRING CLAMP	
K1	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items)	B
K1	1001220559	1	FILTER KIT, (includes the following items)	A
K1	91154001	1	AIR FILTER	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	1001128952	1	1000 HOUR FILTER KIT, (includes the following items)	
K2	91154001	1	AIR FILTER	
K2	91083218	1	FUEL STRAINER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	ENGINE OIL FILTER	
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-7. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366017 through 0366053)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

PAP19760

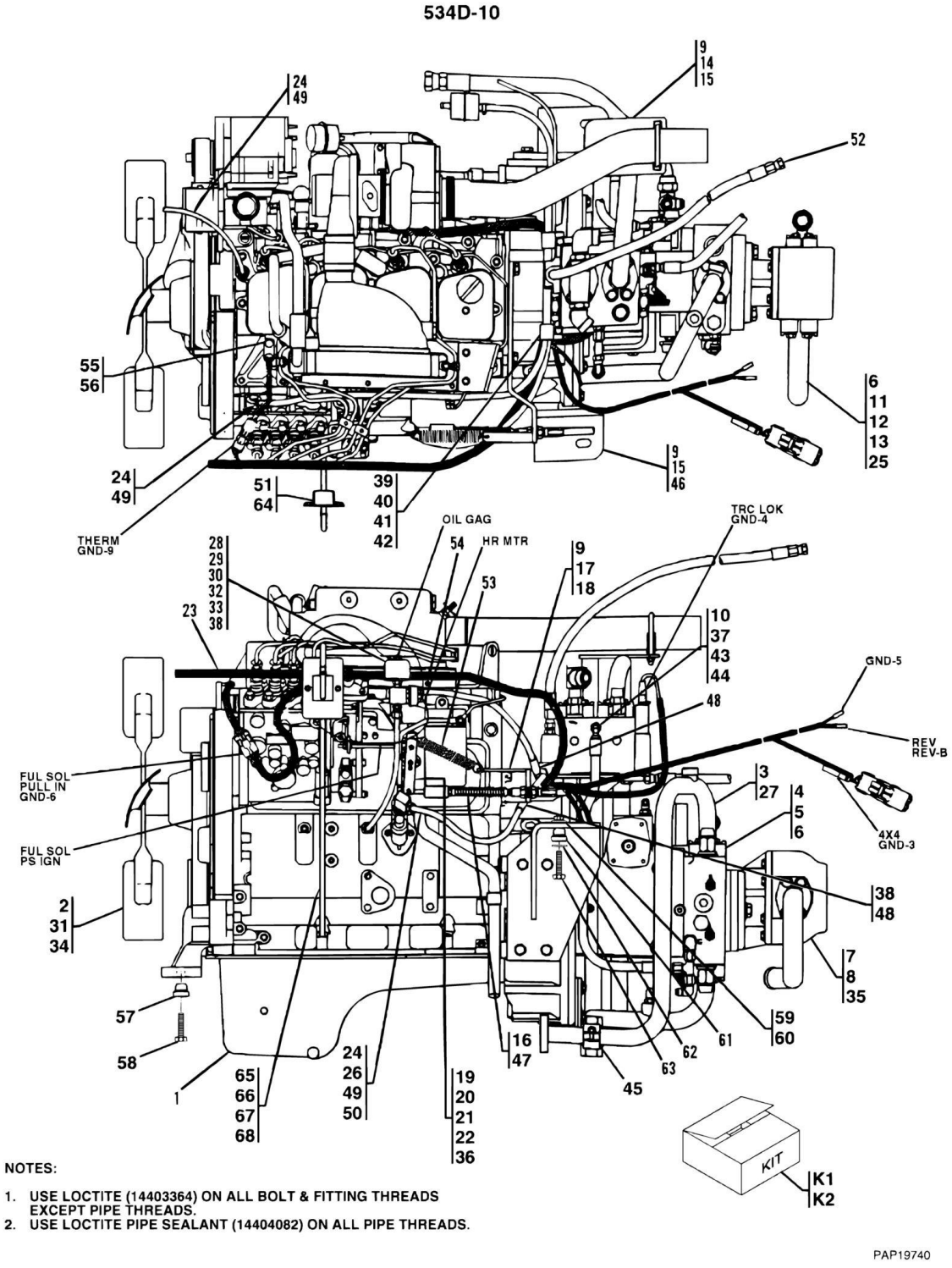
FIGURE 4-7. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366017 through 0366053)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355001	Ref	ENGINE ASSY, (534D-10), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1		Ref	CUMMINS B3.9C-116 EPA ENGINE, (534D-10)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 lb-ft)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23	91363033	1	ENGINE WIRING HARNESS	
24	82092118	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	24741047	1	PRESSURE SWITCH	
29	91143315	1	OIL PRESSURE SENDER	
30	91081388	1	TAPPED BAR	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	2	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	91146021	1	LH ENGINE MOUNT	
47	91163259	1	THROTTLE SPRING	
48	90028977	1	YOKE END	
49	86883106	3	HOSE CLAMP	
50	86983649	1	ELBOW, 90, 1/4 PIPE	
51	84718745	1	HOSE ASSY	
52	91143031	1	SHOCK MOUNT	
53	91146101	1	DIPSTICK WELDMENT	
54	88201075	1	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
55	91143030	1	SHOCK MOUNT	
56	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
57	88521008	1	LOCKNUT, 1/2-13	
58	88561111	1	FLAT WASHER, 1/2	
59	91143032	1	REBOUND WASHER	
60	91363029	1	ATOMIZER	
61	91365014	1	QUICK START THERMOSTAT ASSY, (includes the following items)	
61	91363031	1	THERMOSTAT	
61	80963058	1	SHROUD CONNECTOR, (2-wire)	
61	80963069	2	MALE PIN TERMINAL	
61	80963065	2	CABLE SEAL	
62	83191038	1	HEX HD CAPSCREW, M10X1.5X20	
63	91124125	1	DIPSTICK	
64	91164115	1	LOWER TUBE	
65	91164112	1	DIPSTICK TUBE	
66	91164113	1	UPPER TUBE END	
67	91164114	2	SPRING CLAMP	
K1	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items)	
K1	1001220559	1	FILTER KIT, (includes the following items)	
K1	91154001	1	AIR FILTER	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	1001128952	1	1000 HOUR FILTER KIT, (includes the following items)	
K2	91154001	1	AIR FILTER	
K2	91083218	1	FUEL STRAINER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	ENGINE OIL FILTER	
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-8. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366054 through 0366187)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

PAP19740

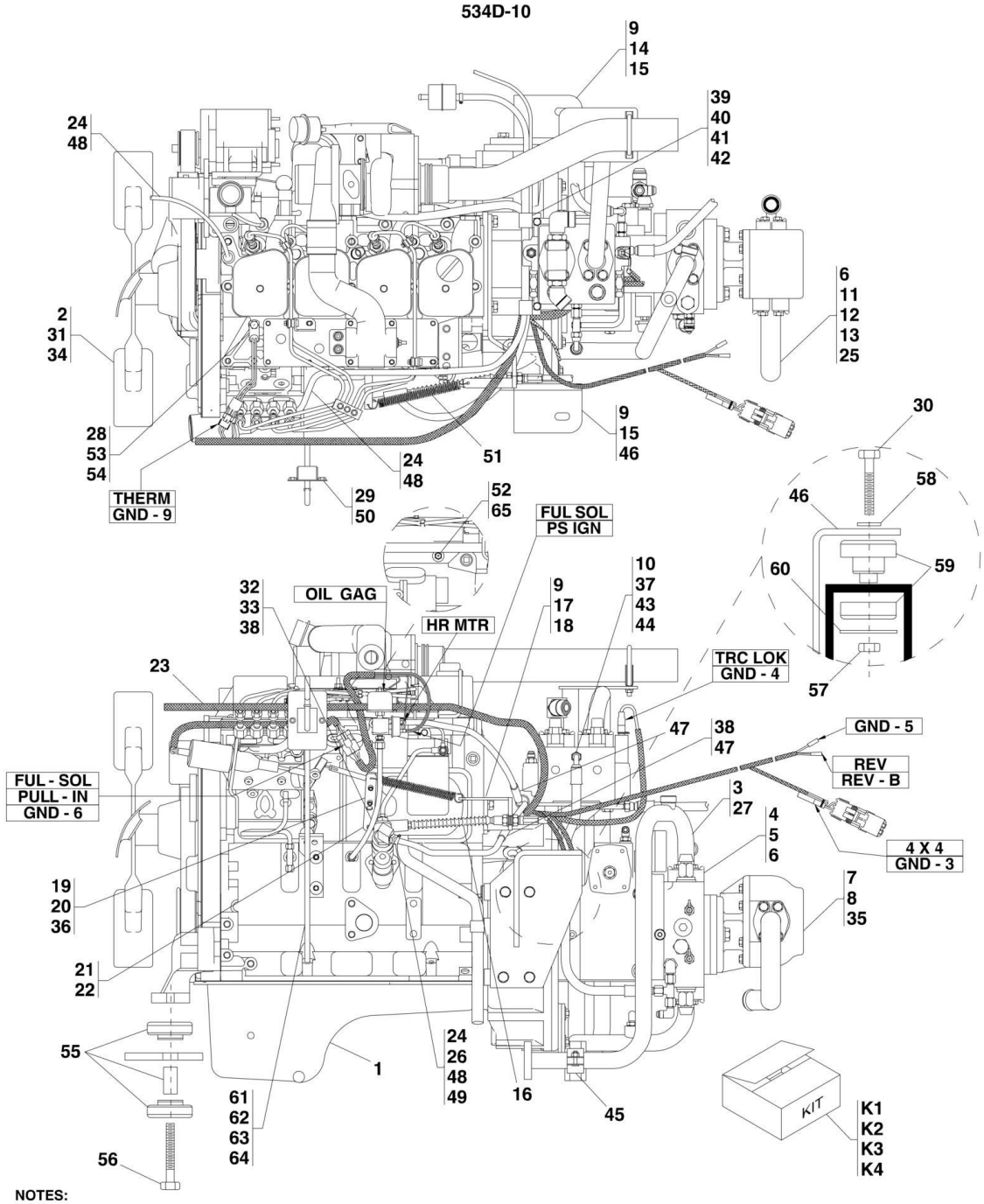
FIGURE 4-8. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366054 through 0366187)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355001	Ref	ENGINE ASSY, (534D-10), (includes all items except 57 thru 63 on ENGINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1		Ref	CUMMINS B3.9C-116 EPA ENGINE, (534D-10)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1 1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 lb-ft)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23	91333013	1	WIRING HARNESS	
24	82092118	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	24741047	1	PRESSURE SWITCH	
29	91143315	1	OIL PRESSURE SENDER	
30	91081388	1	TAPPED BAR	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	2	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	91146021	1	LH ENGINE MOUNT	
47	90028977	1	YOKE END	
48	91083493	6 in	SPLIT FLEX LOOM, 1/2 ID	
49	86883106	4	HOSE CLAMP	
50	86983649	1	ELBOW, 90, 1/4 PIPE	
51	91146101	1	DIPSTICK WELDMENT	
52	84718745	1	HOSE ASSY	
53	91163259	1	THROTTLE SPRING	
54	91363029	1	ATOMIZER, 1/8	
55	91365014	1	QUICK START ASSY, (includes the following four items)	
55	91363031	1	THERMOSTAT	
55	80963058	1	SHROUD CONNECTOR, (2-wire)	
55	80963069	2	MALE PIN TERMINAL	
55	80963065	2	CABLE SEAL	
56	83191038	1	HEX HD CAPSCREW, M10X1.50X20	
57	91143030	1	SHOCK MOUNT	
58	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
59	88521008	1	LOCKNUT, 1/2-13	
60	88561111	1	FLAT WASHER, 1/2	
61	91143031	1	SHOCK MOUNT	
62	91143032	1	REBOUND WASHER	
63	88201075	1	HEX HD CAPSCREW, 1/2X3-1/2, GR5	
64	91124125	1	DIPSTICK	
65	91164115	1	LOWER TUBE	
66	91164112	1	DIPSTICK TUBE	
67	91164113	1	UPPER TUBE END	
68	91164114	2	SPRING CLAMP	
K1	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items)	
K1	1001220559	1	FILTER KIT, (includes the following items)	
K1	91154001	1	AIR FILTER	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	1001128952	1	1000 HOUR FILTER KIT, (includes the following items)	
K2	91154001	1	AIR FILTER	
K2	91083218	1	FUEL STRAINER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	ENGINE OIL FILTER	
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-9. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.
3. USE LOCTITE (14404043) ON ALL HYDRAULIC FITTING THREADS.

PAP19210

FIGURE 4-9. ENGINE ASSEMBLY, LH VIEW (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974)

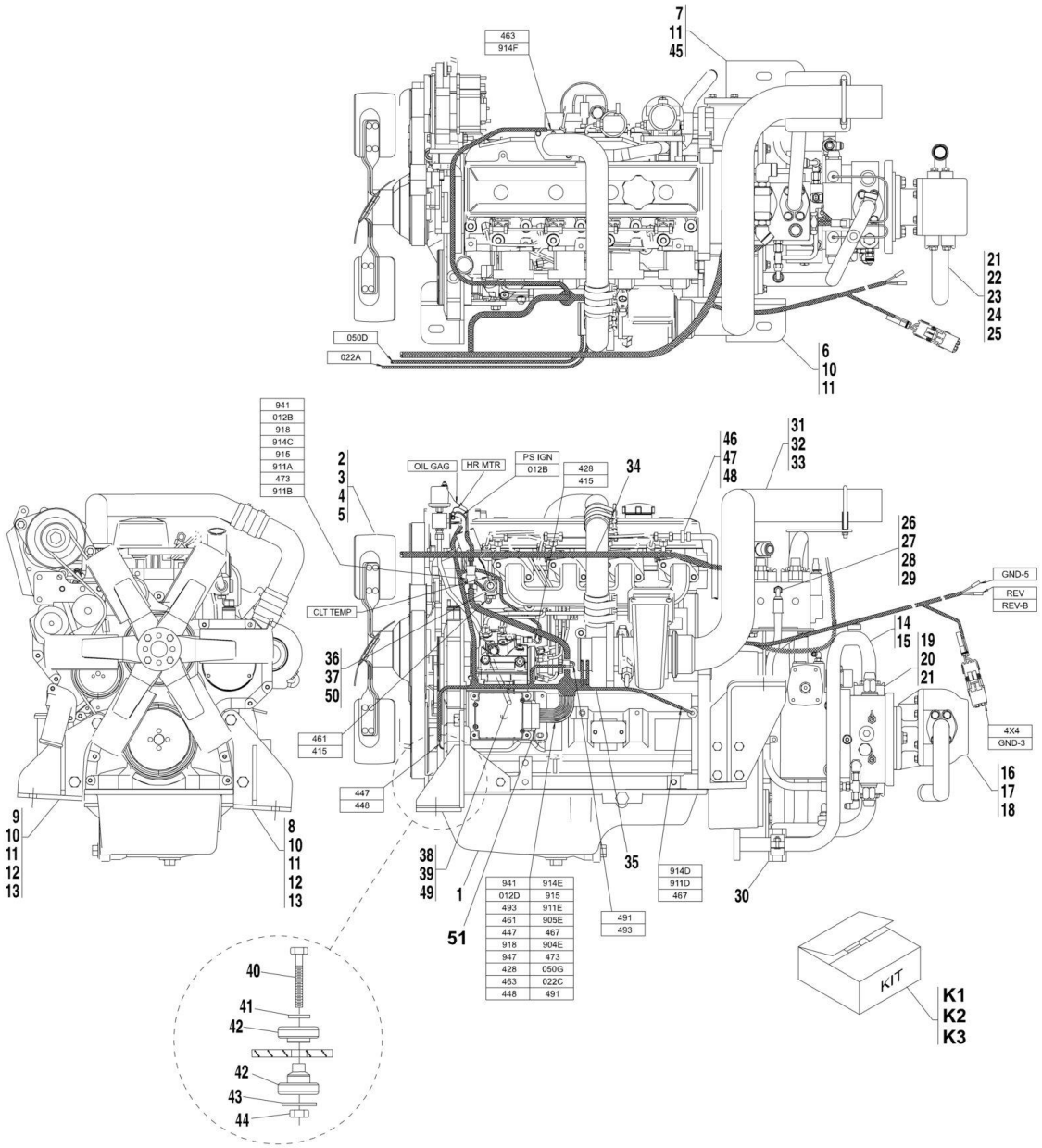
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355014	Ref	ENGINE ASSY, (534D-10), (includes all items except 30, 53, 55 thru 60 on ENGINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	K
1		Ref	CUMMINS B3.9C-116 EPA ENGINE, (534D-10)	
2	91143329	1	FAN ASSY	
3	91163122	1	TUBE ASSY	
4	84712738	2	SPLIT FLANGE CLAMP	
5	83201135	4	HEX HD CAPSCREW, 7/16X14-1-1/2, GR8	
6	88551012	8	LOCKWASHER, 7/16	
7		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
9	83191010	10	LOCKWASHER, M12	
10	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
11	88591027	1	O-RING	
12	91143121	1	SUCTION TUBE	
13	84711334	2	FLANGE CLAMP	
14	91146056	1	RH ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35, (lubricate and torque to 58-68 lb-ft)	
16	91163260	1	ACCELERATOR CABLE	
17	91166075	1	THROTTLE BRACKET	
18	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
19	83191012	2	LOCKWASHER, M6	
20	83191035	2	SOCKET HD CAPSCREW, M6X1.00X16	
21	91143345	1	BALL SOCKET	
22	91143344	1	OVER TRAVEL	
23		Ref	WIRING HARNESS ASSY, (See ELECTRICAL SECTION for Breakdown)	
24	2720058	111 in	FUEL LINE HOSE, 5/16	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	90030271	1	HOSE NIPPLE	
27	91083106	1	O-RING	
28	83191013	1	LOCKWASHER, M10	
29	91124125	1	DIPSTICK	
30	88201075	1	HEX HD CAPSCREW, 1/2X3-1/2, GR5	
31	83191041	4	HEX HD CAPSCREW, M8X1.25X70	
32	86883075	1	TUBE FITTING	
33	72071980	28 in	NYLON TUBE, 3/8	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	
36	91161323	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TIE WRAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88521205	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	2220497	1	CONNECTOR, (includes item 37)	
45	90205792	1	CUSHION CLAMP	
46	91146021	1	LH ENGINE MOUNT	
47	91083493	6 in	SPLIT FLEX LOOM, 1/2 ID	
48	86883106	4	HOSE CLAMP	
49	86983649	1	ELBOW, 90, 1/4 PIPE	
50	91146101	1	DIPSTICK WELDMENT	
51	91163259	1	THROTTLE SPRING	
52	91363029	1	ATOMIZER, 1/8	
53		Ref	QUICK START ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
54	83191038	1	HEX HD CAPSCREW, M10X1.50X20	
55	91143030	1	SHOCK MOUNT	
56	91143131	1	HEX HD CAPSCREW, M12X1.25X90	
57	88521008	1	LOCKNUT, 1/2-13	
58	88561111	1	FLAT WASHER, 1/2	
59	91143031	1	SHOCK MOUNT	
60	91143032	1	REBOUND WASHER	
61	91164115	1	LOWER TUBE	
62	91164112	1	DIPSTICK TUBE	
63	91164113	1	UPPER TUBE END	
64	91164114	2	SPRING CLAMP	
65	91363028	1	NYLON TUBE	
K1	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items) **(SN 0366188 through 0366342)**	
K1	1001220559	1	FILTER KIT, (includes the following items)	
K1	91154001	1	AIR FILTER	
K1	91083218	1	FUEL FILTER	
K1	8320270	1	FUEL FILTER	
K1	91084001	1	LUBE FILTER	
K2	91365042	1	250 HOUR FILTER KIT, (includes the following items) **(SN 0366343 through 0366533, SN 0160000125 through 0160000974)**	
K2	1101312	1	AIR FILTER ELEMENT	
K2	1101313	1	AIR FILTER SAFETY ELEMENT	
K2	91083218	1	FUEL FILTER	
K2	8320270	1	FUEL FILTER	
K2	91084001	1	LUBE FILTER	
K3	1001128952	1	1000 HOUR FILTER KIT, (includes following items) **(SN 0366188 through 0366342)**	
K3	91154001	1	AIR FILTER	
K3	91083218	1	FUEL STRAINER	
K3	8320270	1	FUEL FILTER	
K3	91084001	1	ENGINE OIL FILTER	
K3	2120168	2	HYDRAULIC FILTER	
K3	91083069	1	HYDRAULIC BREATHER	
K4	1001128961	1	1000 HOUR FILTER KIT, (includes the following items) **(SN 0366343 through 0366533, SN 0160000125 through 0160000974)**	
K4	1101312	1	PRIMARY AIR FILTER	
K4	1101313	1	SECONDARY AIR FILTER	
K4	91083218	1	FUEL STRAINER	
K4	8320270	1	FUEL FILTER	
K4	91084001	1	ENGINE OIL FILTER	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K4	2120168	2	HYDRAULIC FILTER	
K4	91083069	1	HYDRAULIC BREATHER	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.
3. USE LOCTITE (14404043) ON ALL HYDRAULIC FITTING THREADS.

PAP17720

FIGURE 4-10. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91545004	Ref	ENGINE ASSY, (includes all items except 40 thru 44 on ENGINE ASSEMBLY, LH VIEW, all items on ENGINE ASSEMBLY, RH VIEW except items 50 thru 52 and all items on ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	R
1		Ref	JOHN DEERE ENGINE, 115 HP, (See JOHN DEERE ENGINE for Breakdown)	
2	91553009	1	FAN	
3	91553046	1	FAN SPACER	
4	83191039	4	HEX HD CAPSCREW, M8X1.25X80, GR8	
5	88561108	4	FLAT WASHER, 5/16	
6	91536012	1	REAR ENGINE MOUNT, LH	
7	91536013	1	REAR ENGINE MOUNT, RH	
8	91536014	1	FRONT ENGINE MOUNT, LH	
9	91536015	1	FRONT ENGINE MOUNT, RH	
10	83191032	6	HEX HD CAPSCREW, M12X1.75X35, GR8, (torque to 66-76 lb-ft)	
11	83191010	10	LOCKWASHER, M12	
12	83191043	4	HEX HD CAPSCREW, M16X2.00X30, GR8, (torque to 166-181 lb-ft)	
13	83783030	4	LOCKWASHER, M16	
14	91163122	1	TUBE ASSY	
15	91083106	1	O-RING	
16		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
18	90027472	2	HARDENED WASHER, 5/8	
19	84712738	2	SPLIT FLANGE CLAMP	
20	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
21	88551012	8	LOCKWASHER, 7/16	
22	91143121	1	SUCTION TUBE	
23	88591027	1	O-RING	
24	84711334	2	FLANGE CLAMP	
25	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
26	2220497	1	CONNECTOR, (includes item 29)	
27	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
28	77133447	1	HOSE ASSY	
29	88591206	1	O-RING	
30	90205792	1	CUSHION CLAMP	
31		Ref	EXHAUST TUBE, (See EXHAUST SYSTEM for Breakdown)	
32	91403216	1	V-BAND CLAMP	
33		Ref	MUFFLER CLAMP, (See EXHAUST SYSTEM for Breakdown)	
34		Ref	ENGINE HARNESS ASSY, (See ELECTRICAL SECTION for Breakdown)	
35	91553028	1	ECU ENGINE HARNESS	
36	91143314	1	WATER TEMPERATURE SENDER	
37	91403265	1	REDUCER BUSHING, (includes item 50)	
38	86883074	1	TUBE FITTING, 90	
39	72071980	40 in	NYLON TUBE	
40	88201106	4	HEX HD CAPSCREW, 5/8-11X4-1/2, GR5	
41	88561113	4	FLAT WASHER, 5/8	
42	91203137	4	SHOCK MOUNT	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	91203138	4	REBOUND WASHER	
44	88521010	4	HEX LOCKNUT, 5/8-11	
45	83191049	4	HEX HD CAPSCREW, M12X1.75X60, (torque to 66-76 lb-ft)	
46	86883106	1	HOSE CLAMP	
47	80373025	1	FITTING	
48	82092118	30 in	HOSE, 5/16	
49	88711570	1	PIPE ADAPTER	
50	88591011	1	O-RING	
51	0100048	AR	DI-ELECTRIC GREASE	
K1	91535011	1	250 HOUR FILTER KIT, (9in air cleaner), (includes all items)	C
K1	1101312	1	AIR FILTER ELEMENT	
K1	1101313	1	AIR FILTER SAFETY ELEMENT	
K1	91083218	1	FUEL FILTER	
K1	91534004	1	FUEL FILTER	
K1	91534005	1	OIL FILTER	
K1	91534006	1	OIL FILTER SEAL	
K2	2915180	1	1000 HOUR FILTER KIT, (9in air cleaner), (includes 91535011 and the following)	B
K2	2120168	2	HYDRAULIC FILTER	
K2	91083069	1	HYDRAULIC BREATHER	
K3	1001113510	1	1000 HOUR FILTER KIT, (10in air cleaner), (includes all items)	2
K3	80373091	1	AIR FILTER ELEMENT	
K3	80373092	1	AIR FILTER SAFETY ELEMENT	
K3	91083218	1	FUEL FILTER	
K3	91534004	1	FUEL FILTER	
K3	91534005	1	OIL FILTER	
K3	91534006	1	OIL FILTER SEAL	
K3	2120168	2	HYDRAULIC FILTER	
K3	91083069	1	HYDRAULIC BREATHER	

FIGURE 4-11. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

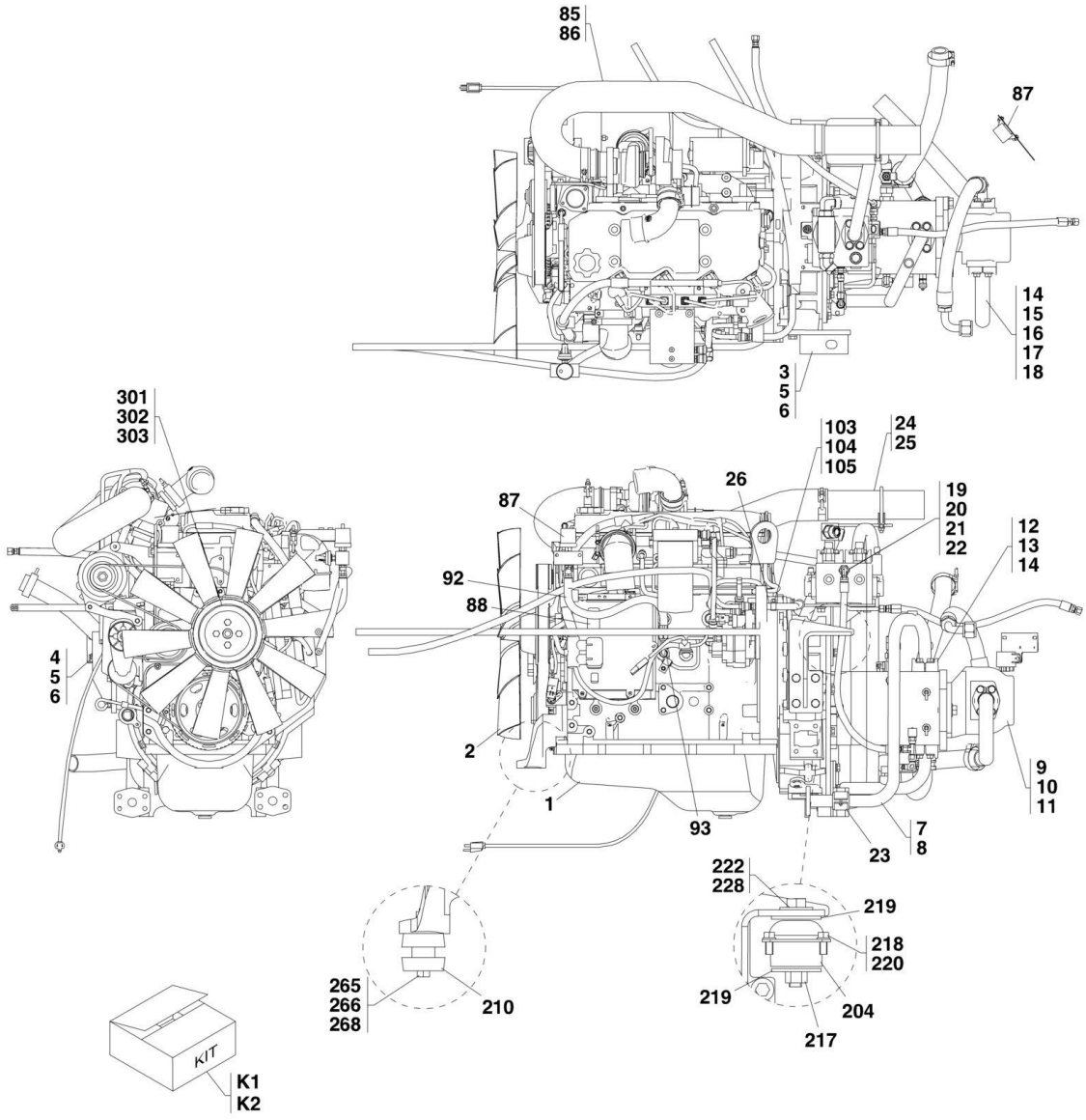


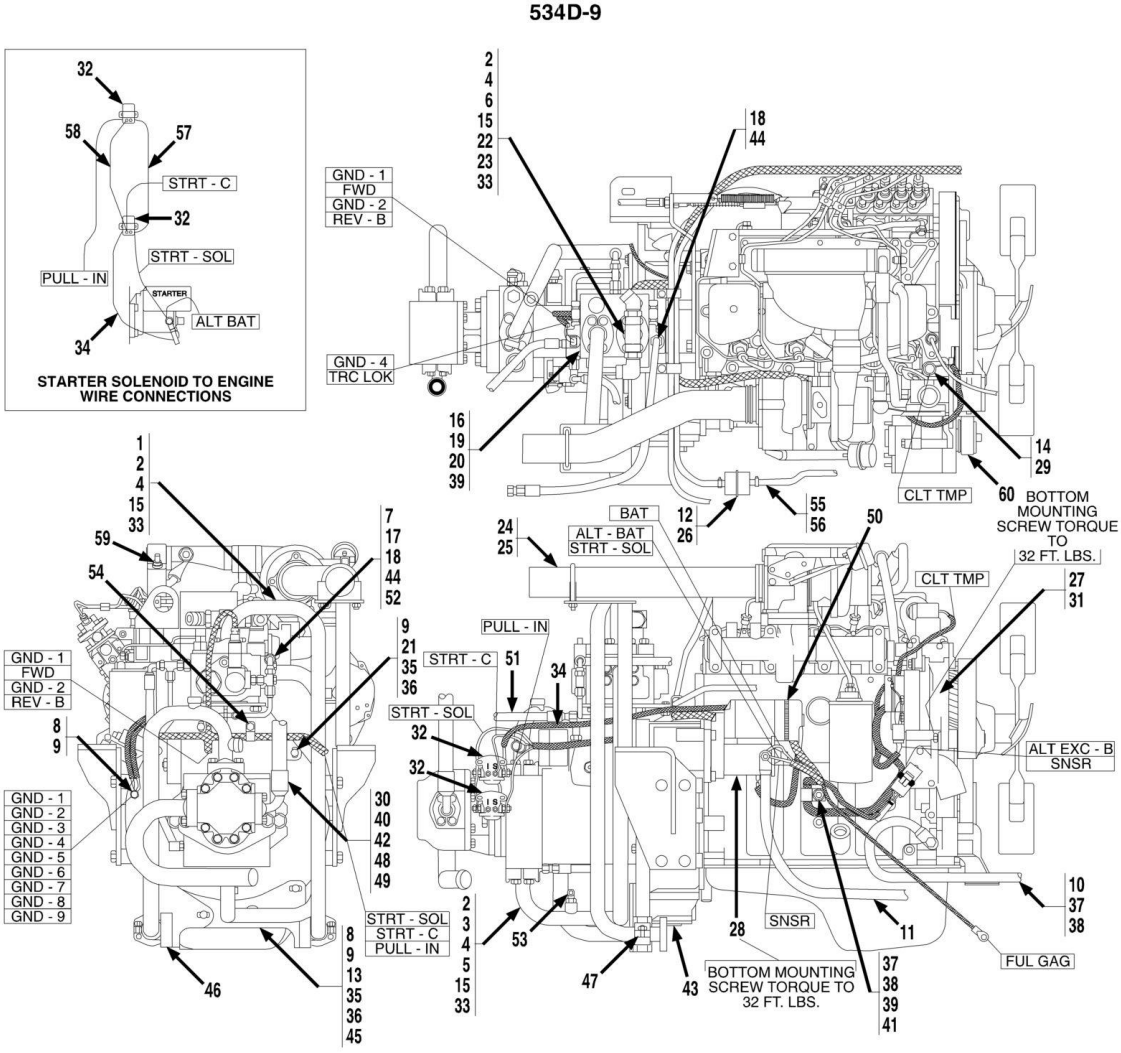
FIGURE 4-11. ENGINE ASSEMBLY, LH VIEW (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091083	1	ENGINE ASSY, (includes items 1 thru 105 on ENGINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW, ENGINE PUMP MOUNT AND FLYWHEEL HOUSING and JOHN DEERE ENGINE)	P
1		Ref	CUMMINS ENGINE QSB4.5TAE, (See CUMMINS ENGINE for Breakdown)	
2	1001104525	1	FAN ASSY, (includes items 301 thru 303)	
3	1001091108	1	LH REAR ENGINE MOUNT	
4	1001091109	1	RH REAR ENGINE MOUNT	
5	0761216	8	HEX HD CAPSCREW, 12X1.75X40mm, (torque to 66-76 lb-ft)	
6	4761800	2	LOCKWASHER, 12mm	
7	91163122	1	TUBE ASSY	
8	91083106	1	O-RING	
9		Ref	MAIN HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	0642012	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
11	90027472	2	HARDENED WASHER	
12	84712738	2	SPLIT FLANGE CLAMP	
13	0681714	4	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
14	4761700	8	LOCKWASHER, 7/16	
15	91143121	1	SUCTION TUBE	
16	3790222	1	O-RING	
17	84711334	2	FLANGE CLAMP	
18	0641709	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
19	2220497	1	CONNECTOR	
20	2220635	2	SWIVEL NUT RUN TEE	
21	77133447	1	HOSE ASSY	
22	88591206	1	O-RING	
23	90205792	1	CUSHION CLAMP	
24		Ref	EXHAUST TUBE, (See EXHAUST SYSTEM for Breakdown)	
25	8275247	1	MUFFLER CLAMP	
26	2720463	37 in	HOSE, 5/16	
85		Ref	FIBERGLASS SLEEVE, (See EXHAUST SYSTEM for Breakdown)	
86		Ref	CLAMP, T-BOLT, (See EXHAUST SYSTEM for Breakdown)	
87		Ref	ENGINE HARNESS, (See ELECTRICAL SECTION for Breakdown)	
88		Ref	ECU ENGINE HARNESS, (See ELECTRICAL SECTION for Breakdown)	
92	1001104647	1	HOSE ASSY	
93	8770064	1	CONNECTOR, (swivel nut)	
103	1001093891	1	PLAIN HOSE COUPLING	
104	1001093944	1	WASHER	
105	8410013	2	GEAR CLAMP	
204	1001091080	2	ISOLATOR MOUNT	
210	1001091082	1	ISOLATOR MOUNT	
217	3272205	2	HEX LOCKNUT, 3/4-10	
218	0641708	8	HEX HD CAPSCREW, 7/16-14X1, GR5	
219	91403098	4	REBOUND WASHER	
220	47616700	8	LOCKWASHER, 7/16	
222	0682238	2	HEX HD CAPSCREW, 3/4-10X4-3/4, GR8	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
228	4752200	2	FLAT WASHER, 3/4	
265	0681830	1	HEX HD CAPSCREW, 1/2-13X3-3/4, GR8	
266	3271805	1	HEX LOCKNUT, 1/2-13	
268	4751800	1	FLAT WASHER, 1/2	
301	2060045	1	FAN BLADE	
302	3575947	2	FAN HUB PLATE	
303	8310705	4	HEX HD CAPSCREW, M10X1.5X7.5mm, GR8.8	
K1	1001113718	1	250 HOUR FILTER KIT, (includes oil filter, primary and secondary fuel filters, primary and safety air filters)	
K2	1001113719	1	1000 HOUR FILTER KIT, (includes oil filter, primary and secondary fuel filters, primary and safety air filters, hydraulic element and hydraulic breather)	

FIGURE 4-12. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544001 through 0544084)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

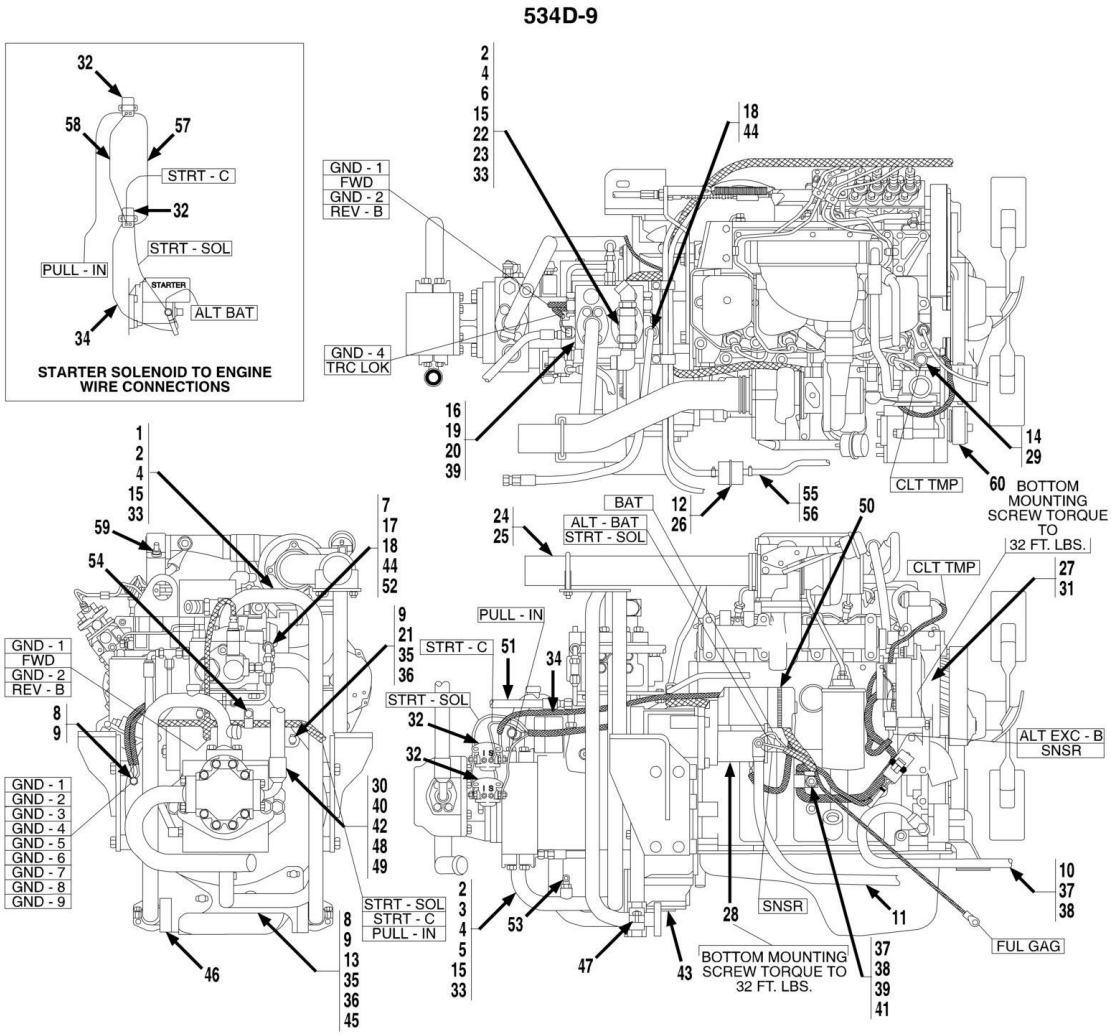
FIGURE 4-12. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544001 through 0544084)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345001	Ref	ENGINE ASSY, (534D-9), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	12	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP. SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See HYRAULIC COMPONENTS SECTION for Breakdown)	
17	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	83483497	1	HOSE CLAMP	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32	90402427	2	STARTER SOLENOID, (relay)	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34	91363022	1	JUMPER WIRE	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	
43	2200224	1	PIPE PLUG, 3/4	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	84718425	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	1	HOSE CLAMP	
56	82092118	14 in	HOSE, 5/16	
57	91363038	1	JUMPER WIRE	
58	91363039	1	JUMPER WIRE	
59	91343011	1	PETCOCK	
60	91084162	1	FAN/ALTERNATOR BELT	

FIGURE 4-13. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544085 through 0544216)



NOTES:

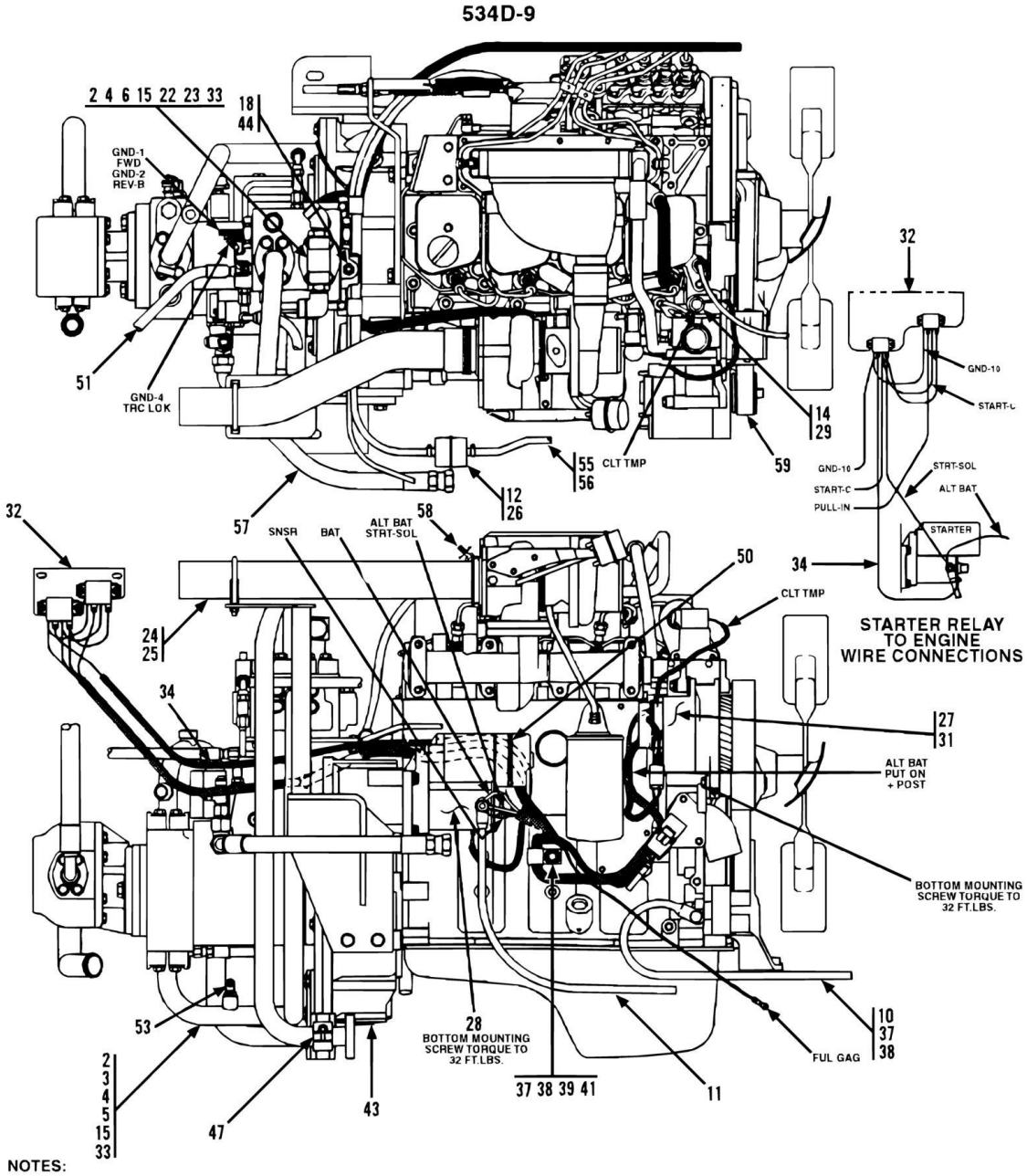
1. **USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.**
2. **USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.**

FIGURE 4-13. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544085 through 0544216)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345001	Ref	ENGINE ASSY, (534D-9), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	12	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP. SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See ELECTRICAL SECTION for Breakdown)	
17	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	83483497	1	HOSE CLAMP	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32	90402427	2	STARTER SOLENOID, (relay)	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34	91363022	1	JUMPER WIRE	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	
43	2200224	1	PIPE PLUG, 3/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	84718425	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	1	HOSE CLAMP	
56	82092118	14 in	HOSE, 5/16	
57	91363038	1	JUMPER WIRE	
58	91363039	1	JUMPER WIRE	
59	91343011	1	PETCOCK	
60	91084162	1	FAN/ALTERNATOR BELT	

FIGURE 4-14. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544217 through 0544717)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

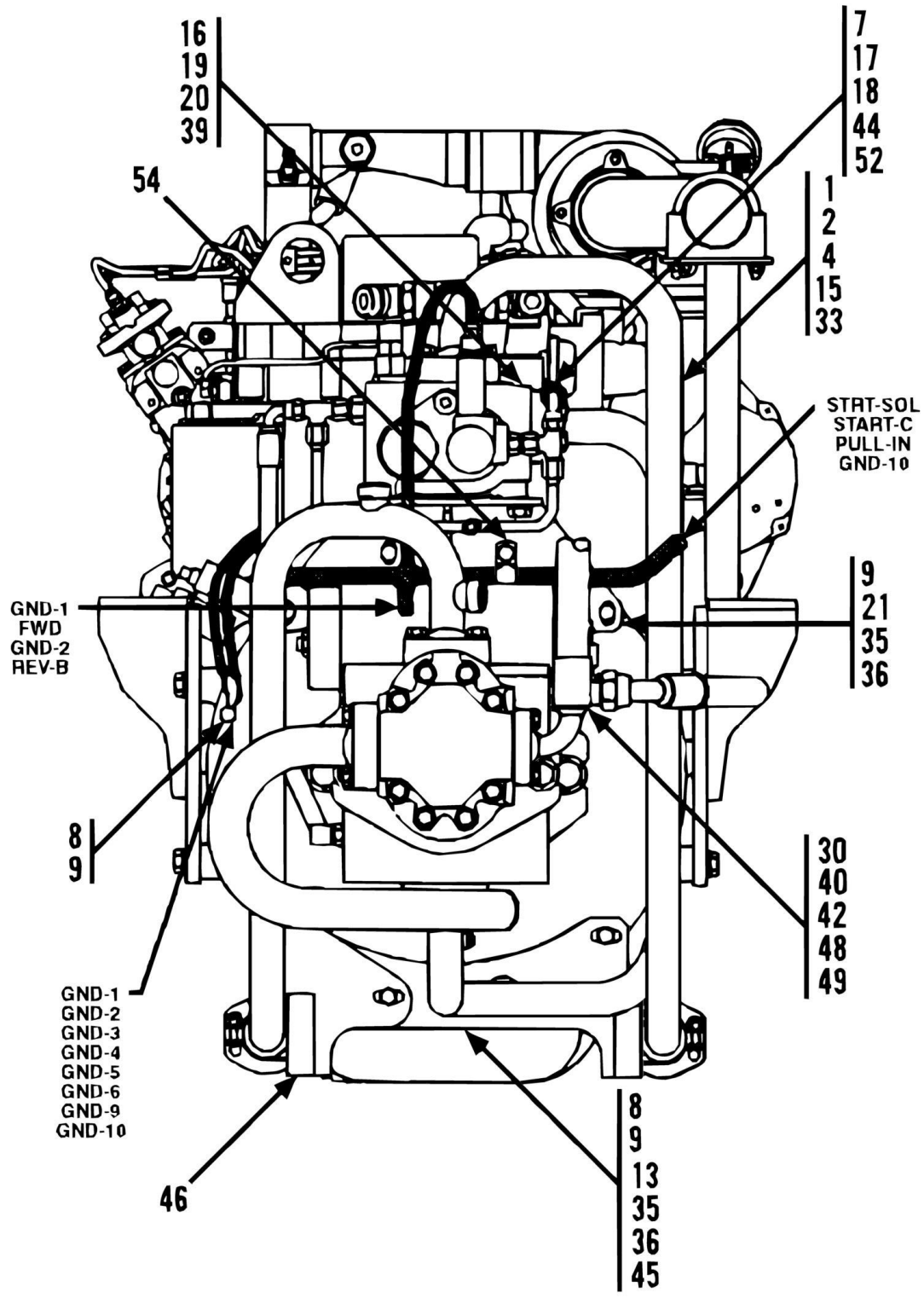
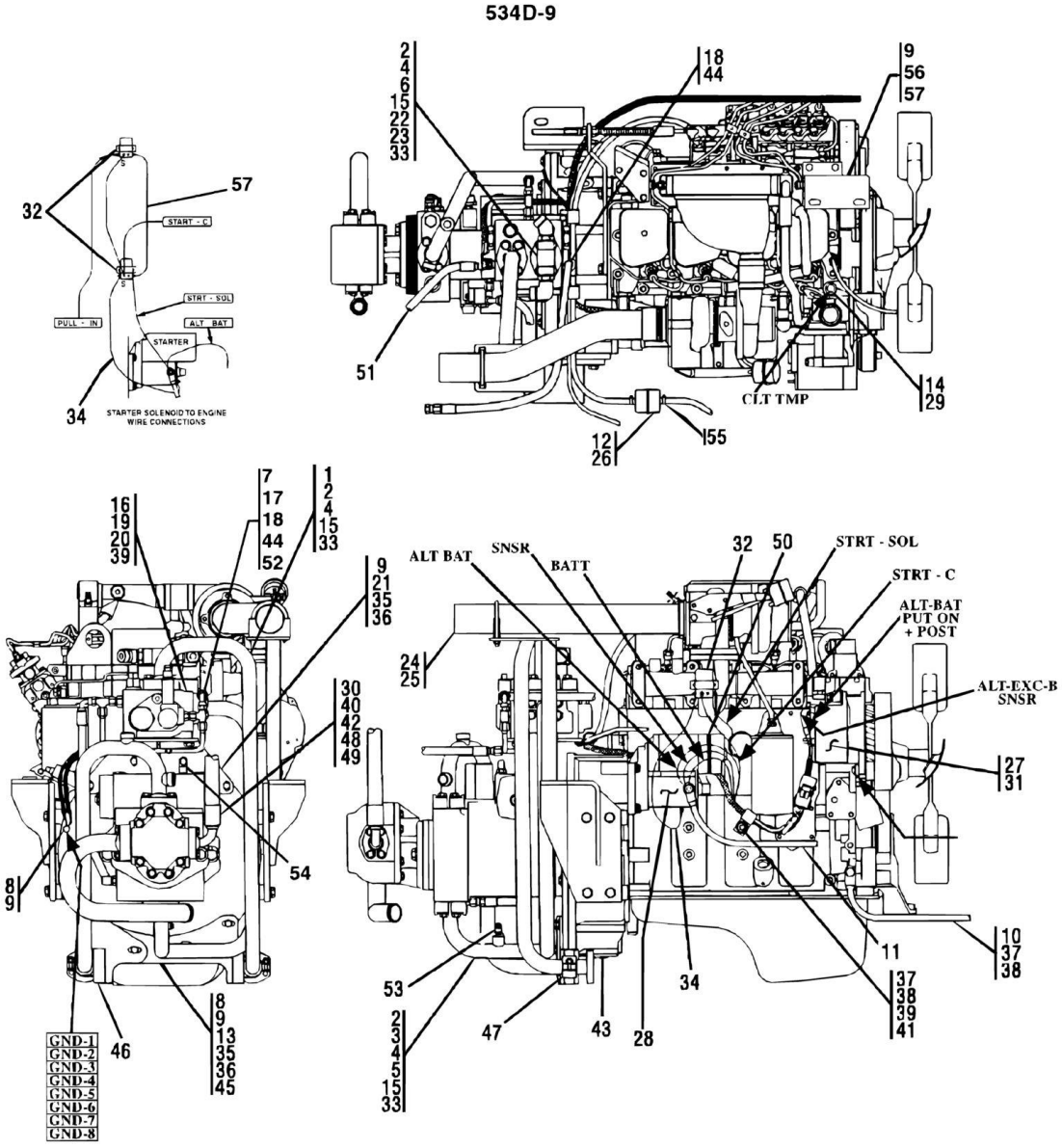

16
19
20
39
54
7
17
18
44
52
1
2
4
15
33
START-SOL
START-C
PULL-IN
GND-10
GND-1
FWD
GND-2
REV-B
9
21
35
36
8
9
30
40
42
48
49
GND-1
GND-2
GND-3
GND-4
GND-5
GND-6
GND-9
GND-10
46
8
9
13
35
36
45

FIGURE 4-14. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544217 through 0544717)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345001	Ref	ENGINE ASSY, (534D-9), (includes all items except 57 thru 63 on ENGINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	12	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP. SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See HYRAULIC COMPONENTS SECTION for Breakdown)	
17	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	83483497	1	HOSE CLAMP	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32	91345008	1	STARTER RELAY ASSY, (includes the following seven items)	
32	77383377	2	RELAY	
32	91331014	1	RELAY MOUNTING PLATE	
32	88211028	4	HEX SOCKET HD CAPSCREW, #10-24X1/2	
32	88501612	4	HEX NUT	
32	88561105	4	FLAT WASHER, #10	
32	88551007	4	LOCKWASHER, #10	
32	91373009	1	JUMPER WIRE	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34		Ref	JUMPER WIRE, (See ELECTRICAL SECTION for Breakdown)	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	
43	2200224	1	PIPE PLUG, 3/4	
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	77133196	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	1	HOSE CLAMP	
56	82092118	14 in	HOSE, 5/16	
57	84718956	1	HOSE ASSY	
58	91343011	1	PETCOCK	
59	91084162	1	FAN/ALTERNATOR BELT	

FIGURE 4-15. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.
3. USE LOCTITE (14404043) ON ALL HYDRAULIC FITTING THREADS.

PAP19200

FIGURE 4-15. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345019	Ref	ENGINE ASSY, (534D-9), (includes all items except 30 & 55 thru 60 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	J
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	14	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP. SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	91084162	1	FAN/ALTERNATOR BELT	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32		Ref	STARTER RELAY ASSY, (See ELECTRICAL SECTION for Breakdown)	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34	2720058	14 in	HOSE, 5/16	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	2200224	1	PIPE PLUG, 3/4	
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	77133196	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	2	HOSE CLAMP	
56	91361038	1	AIR INTAKE BRACKET	
57	83191038	2	HEX HD CAPSCREW, M10X1.5X20	

FIGURE 4-16. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160001051 through 0160010202; Including 0160000700, Excluding 0160010082 and 0160010093)

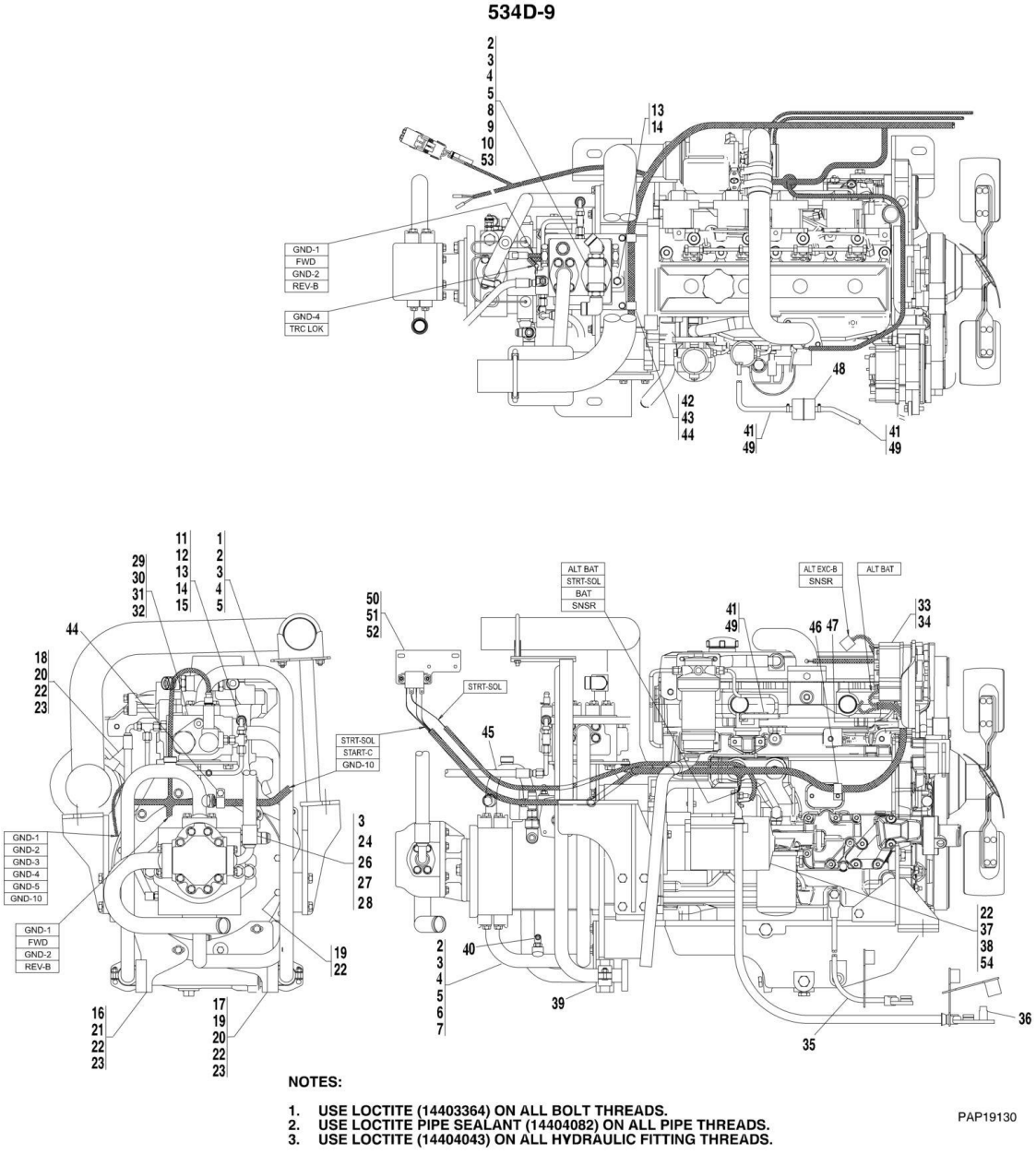
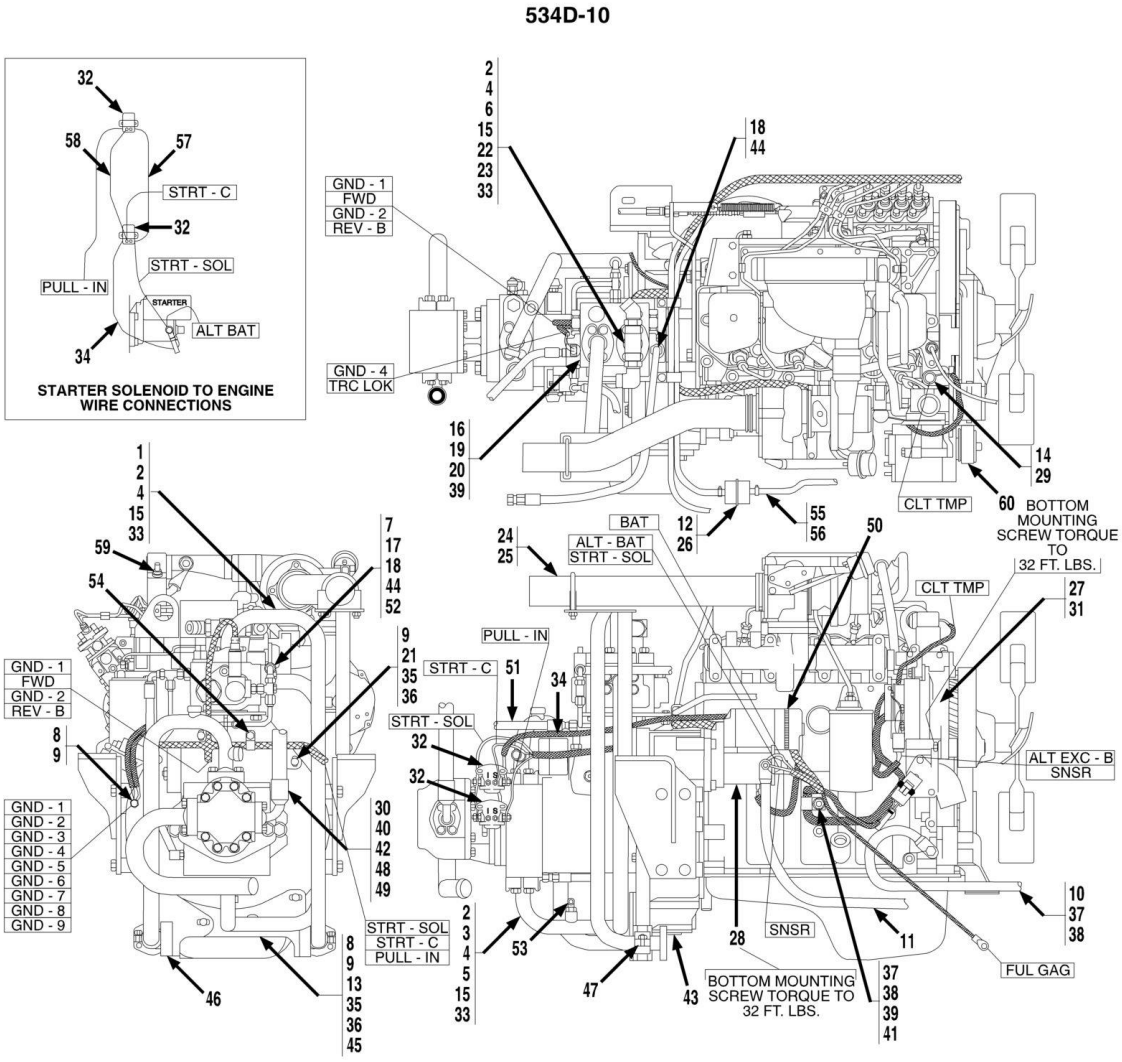


FIGURE 4-16. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160001051 through 0160010202; Including 0160000700, Excluding 0160010082 and 0160010093)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535004	Ref	ENGINE ASSY, (534D-9), (includes all items except 40 thru 44 on ENGINE ASSEMBLY, LH VIEW and all items except 50 thru 52 on ENGINE ASSEMBLY, RH VIEW and all items on ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	H
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	91083106	5	O-RING	
4	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
5	88551012	16	LOCKWASHER, 7/16	
6	91163201	1	TUBE ASSY	
7	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
8	91083266	1	TUBE ASSY	
9	88662332	1	ELBOW, 90, (includes item 53)	
10	2151212	1	ELBOW, 45, (includes item 53)	
11	91163098	1	TUBE ASSY	
12	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
13	2220371	2	CONNECTOR, (includes item 14)	
14	88591204	3	O-RING	
15	84718700	1	HOSE ASSY	
16	91556011	1	TUBE SUPPORT, LH	
17	91556012	1	TUBE SUPPORT, RH	
18	91556010	1	FLOW DIVIDER BRACKET	
19	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
20	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
21	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
22	83191013	12	LOCKWASHER, M10	
23	88561109	7	FLAT WASHER, 3/8	
24	84718639	1	HOSE ASSY	
26	84711333	2	SPLIT FLANGE	
27	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
28	88551011	4	LOCKWASHER	
29		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
30	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
31	88551013	2	LOCKWASHER, 1/2	
32	88561111	2	FLAT WASHER, 1/2	
33	1001108293	1	ALTERNATOR, (includes item 34)	
34	1001108291	1	REGULATOR	
35	91553025	1	BATTERY CABLE, NEGATIVE	
36	91553026	1	BATTERY CABLE, POSITIVE **(SN 0160000700 through 0160006687)**	
36	91553065	1	BATTERY CABLE, POSITIVE **(SN 0160006693 to Present)**	
37	91553030	NLA	STARTER, , (no longer available, See OPTIONS SECTION for Breakdown), (includes item 54) **(SN 0160001051 through 0160006861, Including 0160000700)**	
38	83191040	2	SOCKET HD CAPSCREW, M10X1.5X30, (torque to 38-48 lb-ft) **(SN 0160001051 through 0160006861, Including 0160000700)**	
39	90205792	1	CUSHION CLAMP	
40	90027906	1	ELBOW, 90, (includes item 14)	
41	82092118	38 in	HOSE, 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
43	88521205	2	LOCKWASHER, 5/16	
44	24861170	3	SUPPORT CLAMP	
45	77133196	1	HOSE ASSY	
46	80683013	1	SUPPORT CLAMP	
47	24431386	1	SUPPORT CLAMP	
48	91083218	1	STRAINER	
49	86883106	3	HOSE CLAMP	
50	4711400	2	FLAT WASHER, 1/4	
51	4761400	2	LOCKWASHER, 1/4	
52	0641404	2	HEX HD CAPSCREW, 1/4-20X1/2M, GR5	
53	88591207	2	O-RING	
54	91554031	1	STARTER SOLENOID, **(SN 0160001051 through 0160006861, Including 0160000700)**	

FIGURE 4-17. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366001 through 0366016)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

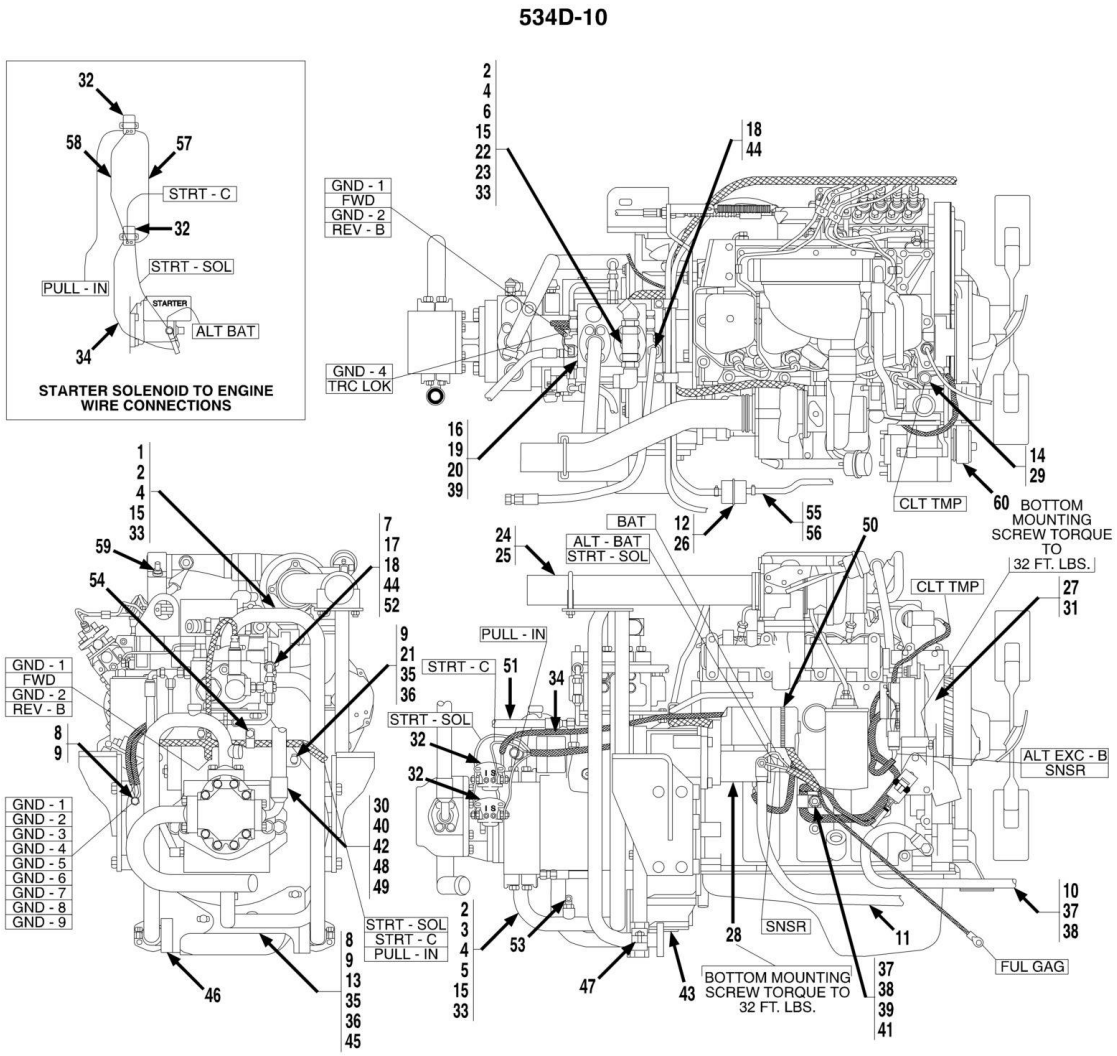
FIGURE 4-17. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366001 through 0366016)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355001	Ref	ENGINE ASSY, (534D-10), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	12	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP. SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	83483497	1	HOSE CLAMP	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32	90402427	2	STARTER SOLENOID, (relay)	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34	91363022	1	JUMPER WIRE	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	
43	2200224	1	PIPE PLUG, 3/4	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	84718425	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	1	HOSE CLAMP	
56	82092118	14 in	HOSE, 5/16	
57	91363038	1	JUMPER WIRE	
58	91363039	1	JUMPER WIRE	
59	91343011	1	PETCOCK	
60	91084162	1	FAN/ALTERNATOR BELT	

FIGURE 4-18. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366017 through 0366053)



NOTES:

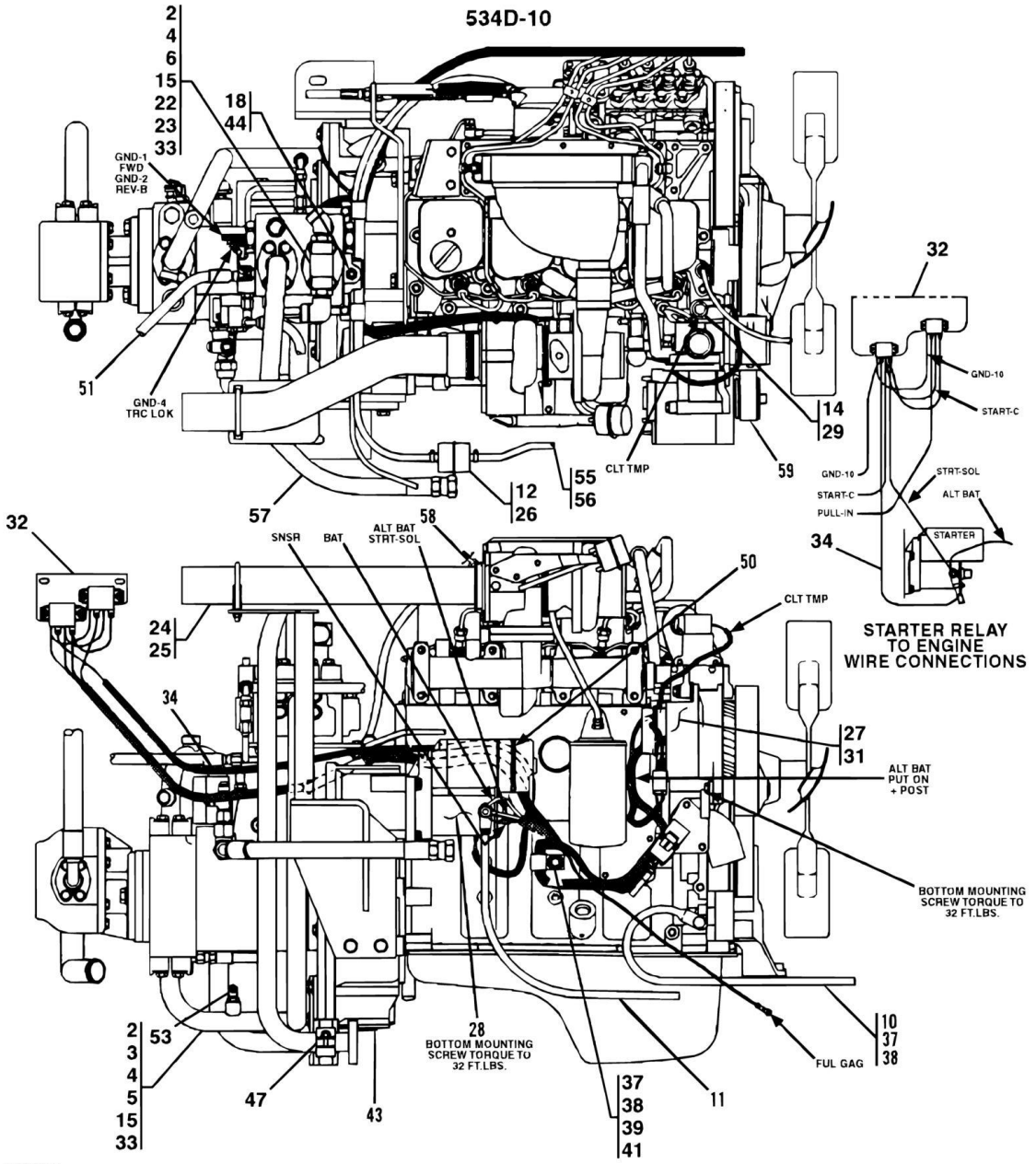
1. **USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.**
2. **USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.**

FIGURE 4-18. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366017 through 0366053)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355001	Ref	ENGINE ASSY, (534D-10), (includes all items except 52 & 54 thru 59 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	12	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP. SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	83483497	1	HOSE CLAMP	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32	90402427	2	STARTER SOLENOID, (relay)	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34	91363022	1	JUMPER WIRE	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	
43	2200224	1	PIPE PLUG, 3/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	84718425	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	1	HOSE CLAMP	
56	82092118	14 in	HOSE, 5/16	
57	91363038	1	JUMPER WIRE	
58	91363039	1	JUMPER WIRE	
59	91343011	1	PETCOCK	
60	91084162	1	FAN/ALTERNATOR BELT	

FIGURE 4-19. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366054 through 0366187)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.

PAP19780

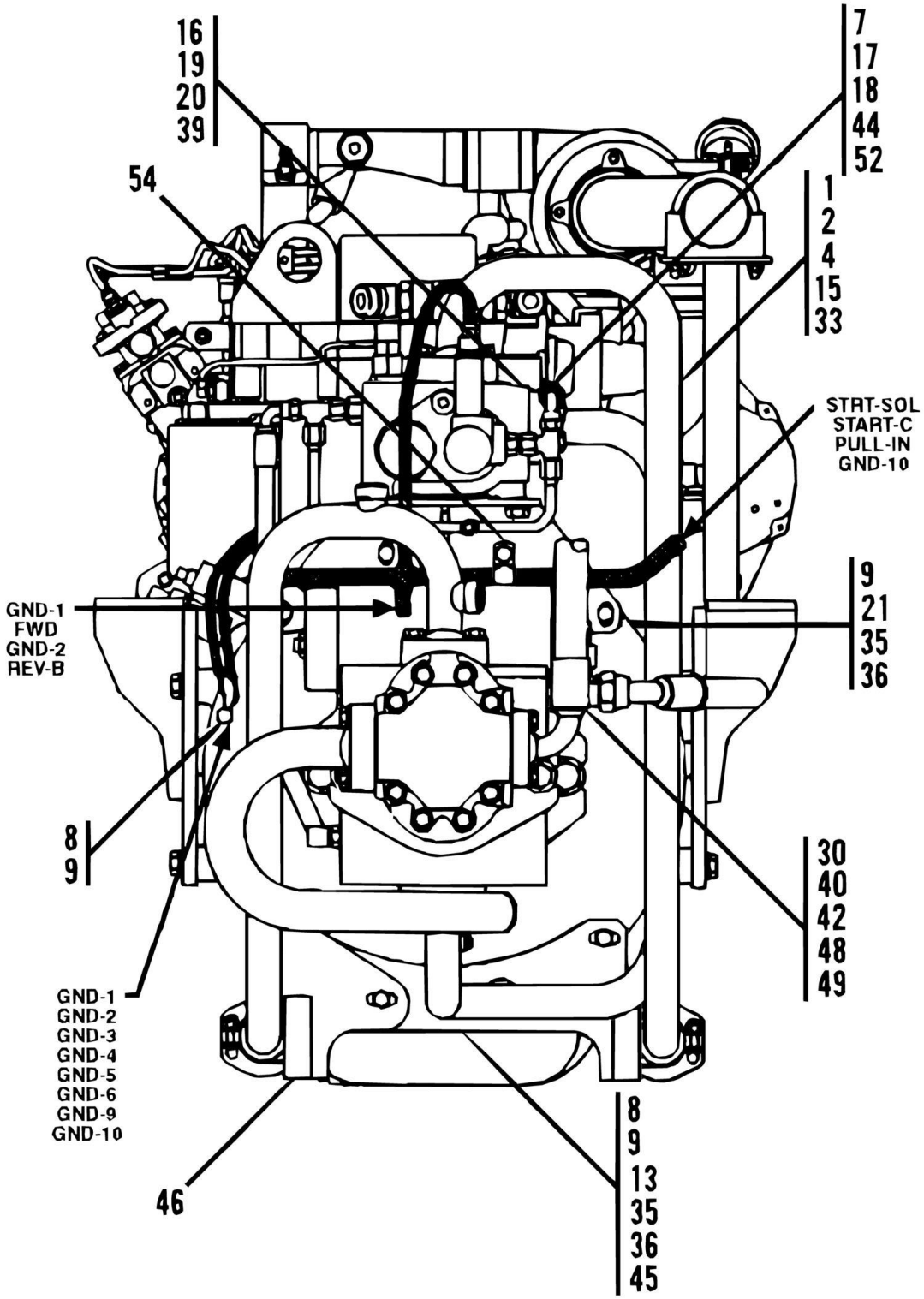
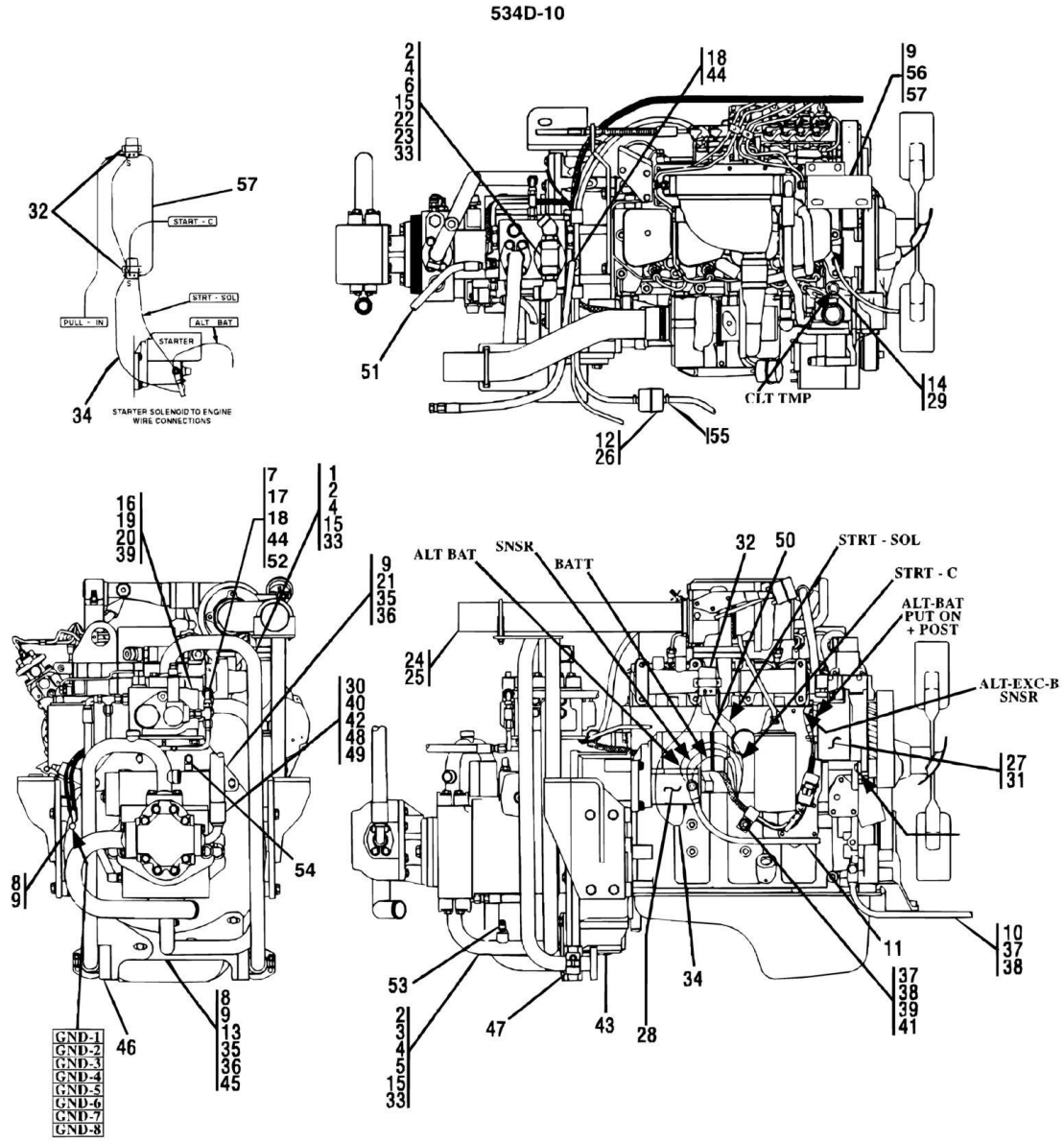

16
19
20
39
7
17
18
44
52
54
1
2
4
15
33
STRT-SOL
START-C
PULL-IN
GND-10
GND-1
FWD
GND-2
REV-B
9
21
35
36
8
9
30
40
42
48
49
GND-1
GND-2
GND-3
GND-4
GND-5
GND-6
GND-9
GND-10
46
8
9
13
35
36
45

FIGURE 4-19. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366054 through 0366187)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355001	Ref	ENGINE ASSY, (534D-10), (includes all items except 57 thru 63 on ENDINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	12	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP. SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See HYRAULIC COMPONENTS SECTION for Breakdown)	
17	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	83483497	1	HOSE CLAMP	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32	91345008	1	STARTER RELAY ASSY, (includes the following seven items)	
32	77383377	2	RELAY	
32	91331014	1	RELAY MOUNTING PLATE	
32	88211028	4	HEX SOCKET HD CAPSCREW, #10-24X1/2	
32	88501612	4	HEX NUT	
32	88561105	4	FLAT WASHER, #10	
32	88551007	4	LOCKWASHER, #10	
32	91373009	1	JUMPER WIRE	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34		Ref	JUMPER WIRE, (See ELECTRICAL SECTION for Breakdown)	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	
43	2200224	1	PIPE PLUG, 3/4	
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	77133196	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	1	HOSE CLAMP	
56	82092118	14 in	HOSE, 5/16	
57	84718956	1	HOSE ASSY	
58	91343011	1	PETCOCK	
59	91084162	1	FAN/ALTERNATOR BELT	

FIGURE 4-20. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974)



NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT THREADS.
2. USE LOCTITE PIPE SEALANT (14404082) ON ALL PIPE THREADS.
3. USE LOCTITE (14404043) ON ALL HYDRAULIC FITTING THREADS.

PAP19190

FIGURE 4-20. ENGINE ASSEMBLY, RH VIEW (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355014	Ref	ENGINE ASSY, (534D-10), (includes all items except 30 & 55 thru 60 on ENGINE ASSEMBLY, LH VIEW and includes all items on ENGINE ASSEMBLY, RH VIEW and ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	K
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
4	88551012	16	LOCKWASHER, 7/16	
5	91163201	1	TUBE ASSY	
6	91083266	1	TUBE ASSY	
7	91163098	1	TUBE ASSY	
8	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
9	83191013	14	LOCKWASHER, M10	
10	91143124	1	NEGATIVE BATTERY CABLE	
11	91473228	1	POSITIVE BATTERY CABLE	
12	91083218	1	FUEL FILTER, (I/L)	
13	91086130	1	TUBE SUPPORT	
14	91143314	1	WATER TEMP SENDER	
15	91083106	4	O-RING	
16		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
18	2220371	2	CONNECTOR, (includes item 44)	
19	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
20	88551013	2	LOCKWASHER, 1/2	
21	91146058	1	FLOW DIVIDER BRACKET	
22	88662332	1	ELBOW, 90, (includes o-ring)	
22	88591207	1	O-RING	
23	2151212	1	ELBOW, 45, (includes o-ring)	
23	88591207	1	O-RING	
24	91146037	1	EXHAUST TUBE	
25	83683175	1	MUFFLER CLAMP	
26	91084162	1	FAN/ALTERNATOR BELT	
27	1001108293	1	ALTERNATOR, (includes item 31)	
28	91083456	1	STARTER	
29	88711385	1	REDUCER BUSHING	
30	84718639	1	HOSE ASSY	
31	1001108291	1	REGULATOR	
32		Ref	STARTER RELAY ASSY, (See ELECTRICAL SECTION for Breakdown)	
33	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
34	2720058	14 in	HOSE, 5/16	
35	88561109	7	FLAT WASHER, 3/8	
36	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
37	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
38	83191010	2	LOCKWASHER, M12	
39	88561111	3	FLAT WASHER, 1/2	
40	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
41	91143122	1	SUPPORT CLAMP, 5/8	
42	84711333	2	SPLIT FLANGE	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	2200224	1	PIPE PLUG, 3/4	
44	88591204	2	O-RING	
45	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
46	91086131	1	TUBE SUPPORT	
47	90205792	1	CUSHION CLAMP	
48	88591024	1	O-RING	
49	88551011	4	LOCKWASHER, 3/8	
50	90027187	1	TIE WRAP	
51	77133196	1	HOSE ASSY	
52	84718700	1	HOSE ASSY	
53	90027906	1	ELBOW, 90, (includes o-ring)	
53	88591204	1	O-RING	
54	24861170	1	SUPPORT CLAMP	
55	86883106	2	HOSE CLAMP	
56	91361038	1	AIR INTAKE BRACKET	
57	83191038	2	HEX HD CAPSCREW, M10X1.5X20	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-21. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

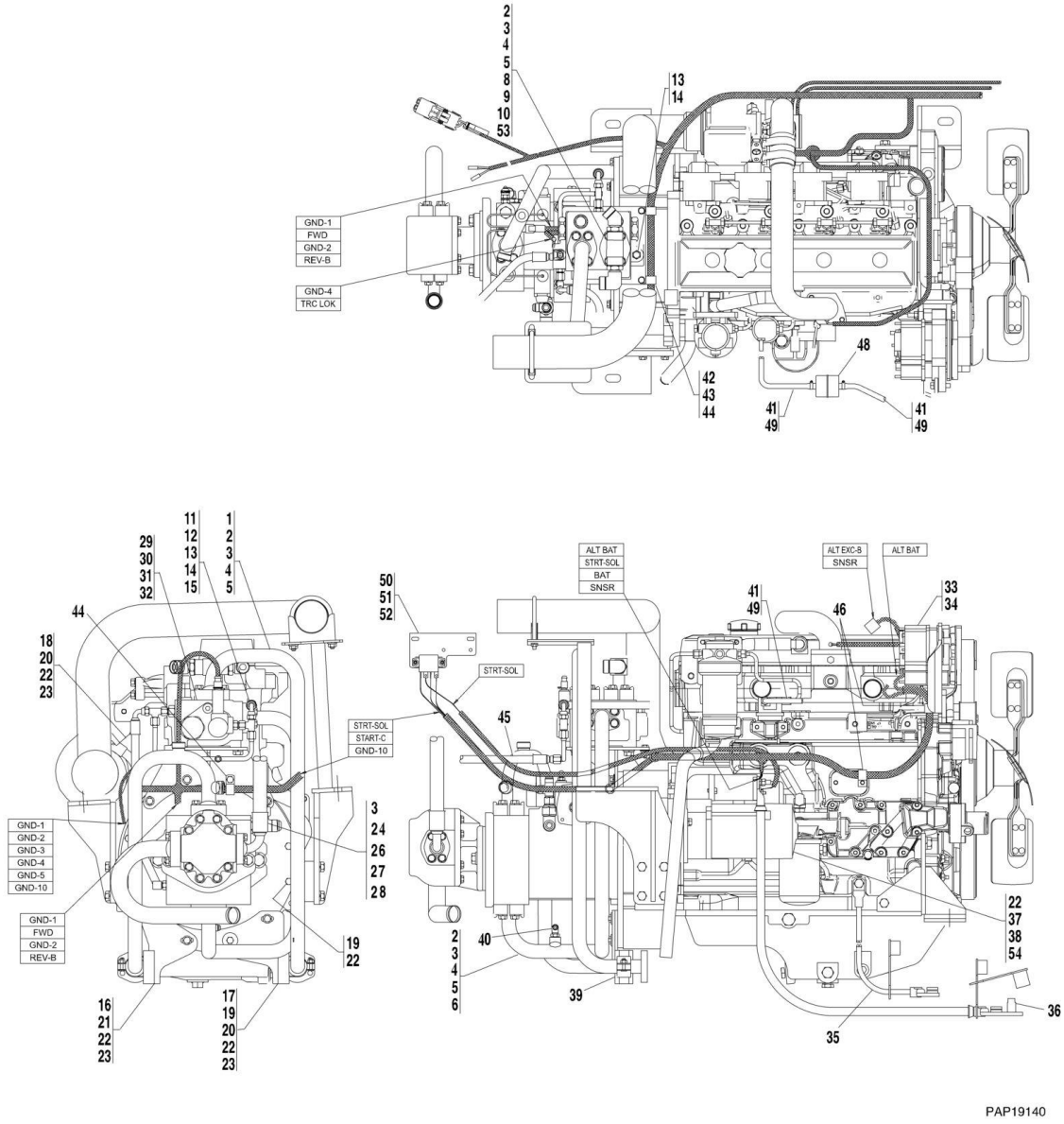


FIGURE 4-21. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91545004	Ref	ENGINE ASSY, (includes all items except 40 thru 44 on ENGINE ASSEMBLY, LH VIEW and all items except 50 thru 52 on ENGINE ASSEMBLY, RH VIEW and all items on ENGINE PUMP MOUNT AND FLYWHEEL HOUSING)	R
1	91083418	1	TUBE ASSY	
2	84712738	8	SPLIT FLANGE CLAMP	
3	91083106	5	O-RING	
4	83201155	16	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
5	88551012	16	LOCKWASHER, 7/16	
6	91163201	1	TUBE ASSY	
8	91083266	1	TUBE ASSY	
9	2131212	1	ELBOW, 90, (includes item 53)	
10	2151212	1	ELBOW, 45, (includes item 53)	
11	91163098	1	TUBE ASSY	
12	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
13	2220371	2	CONNECTOR, (includes item 14)	
14	88591204	3	O-RING	
15	84718700	1	HOSE ASSY	
16	91556011	1	TUBE SUPPORT, LH	
17	91556012	1	TUBE SUPPORT, RH	
18	91556010	1	FLOW DIVIDER BRACKET	
19	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
20	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
21	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
22	83191013	12	LOCKWASHER, M10	
23	88561109	7	FLAT WASHER, 3/8	
24	84718639	1	HOSE ASSY	
26	84711333	2	SPLIT FLANGE	
27	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
28	88551011	4	LOCKWASHER, 3/8	
29		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
30	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
31	88551013	2	LOCKWASHER, 1/2	
32	88561111	2	FLAT WASHER, 1/2	
33	1001108293	1	ALTERNATOR, (includes item 34)	
34	1001108291	1	REGULATOR	
35	91553025	1	BATTERY CABLE, NEGATIVE	
36	91553026	1	BATTERY CABLE, POSITIVE **(SN 0160000978 through 0160009825)**	
36	91553065	1	BATTERY CABLE, POSITIVE **(SN 0160009865 to Present)**	
37	91553030	NLA	STARTER, (no longer available, See OPTIONS SECTION for Breakdown), (includes item 54) **(SN 0160000978 through 0160006664)**	
38	83191040	2	SOCKET HD CAPSCREW, M10X1.5X30, (torque to 38-48 lb-ft) **(SN 0160000978 through 0160006664)**	
39	90205792	1	CUSHION CLAMP	
40	2220472	1	ELBOW, 90, (includes item 14)	
41	82092118	17 in	HOSE, 5/16	
42	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	88521205	2	LOCKWASHER, 5/16	
44	24861170	3	SUPPORT CLAMP	
45	77133196	1	HOSE ASSY	
46	80683013	2	SUPPORT CLAMP	
48	91083218	1	STRAINER	
49	86883106	3	HOSE CLAMP	
50	4711400	2	FLAT WASHER, 1/4	
51	4761400	2	LOCKWASHER, 1/4	
52	0641404	2	HEX HD CAPSCREW, 1/4-20X1/2M, GR5	
53	88591207	2	O-RING	
54	91554031	1	STARTER SOLENIOD **(SN 0160000978 through 0160006664)**	

FIGURE 4-22. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

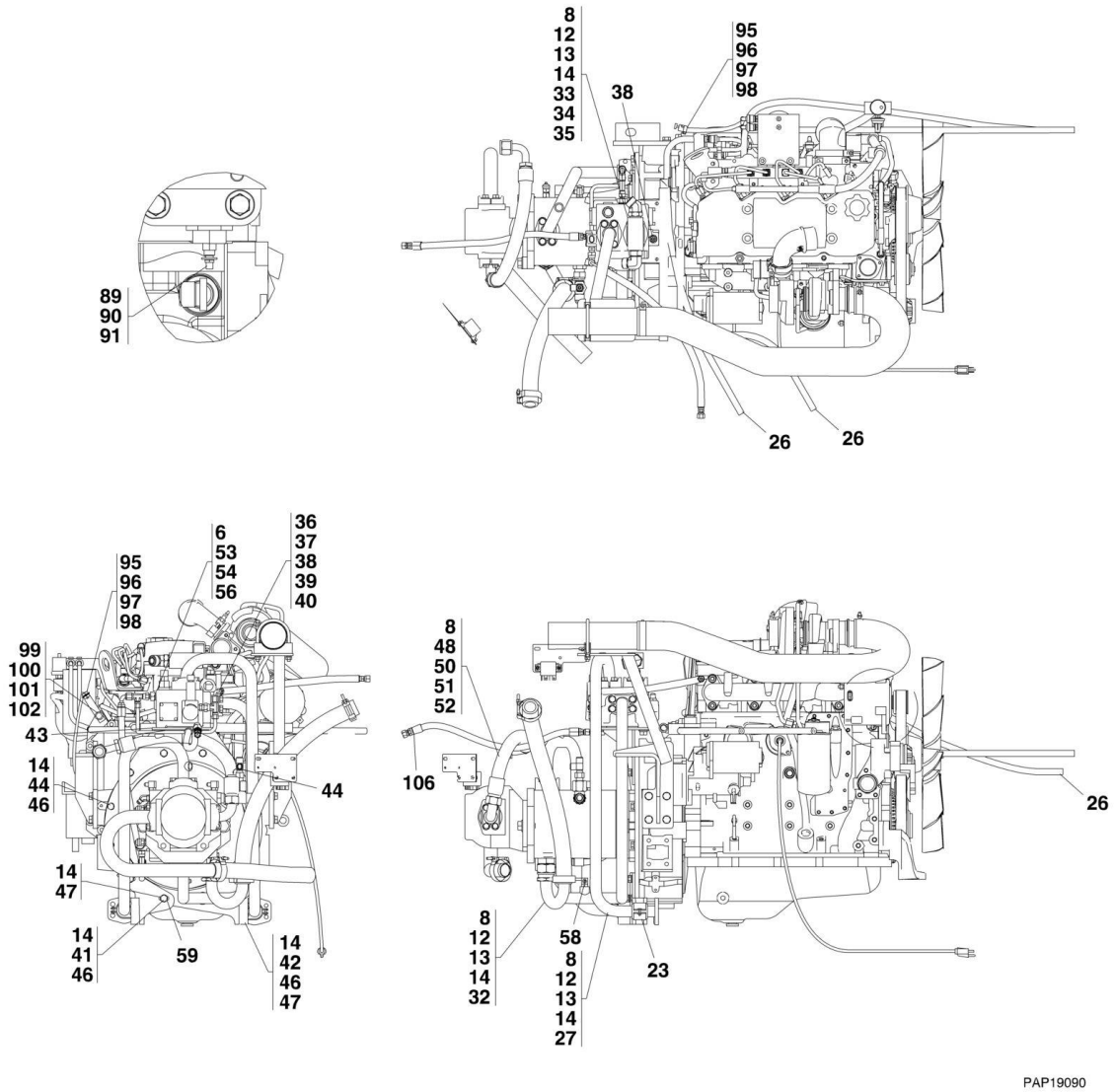
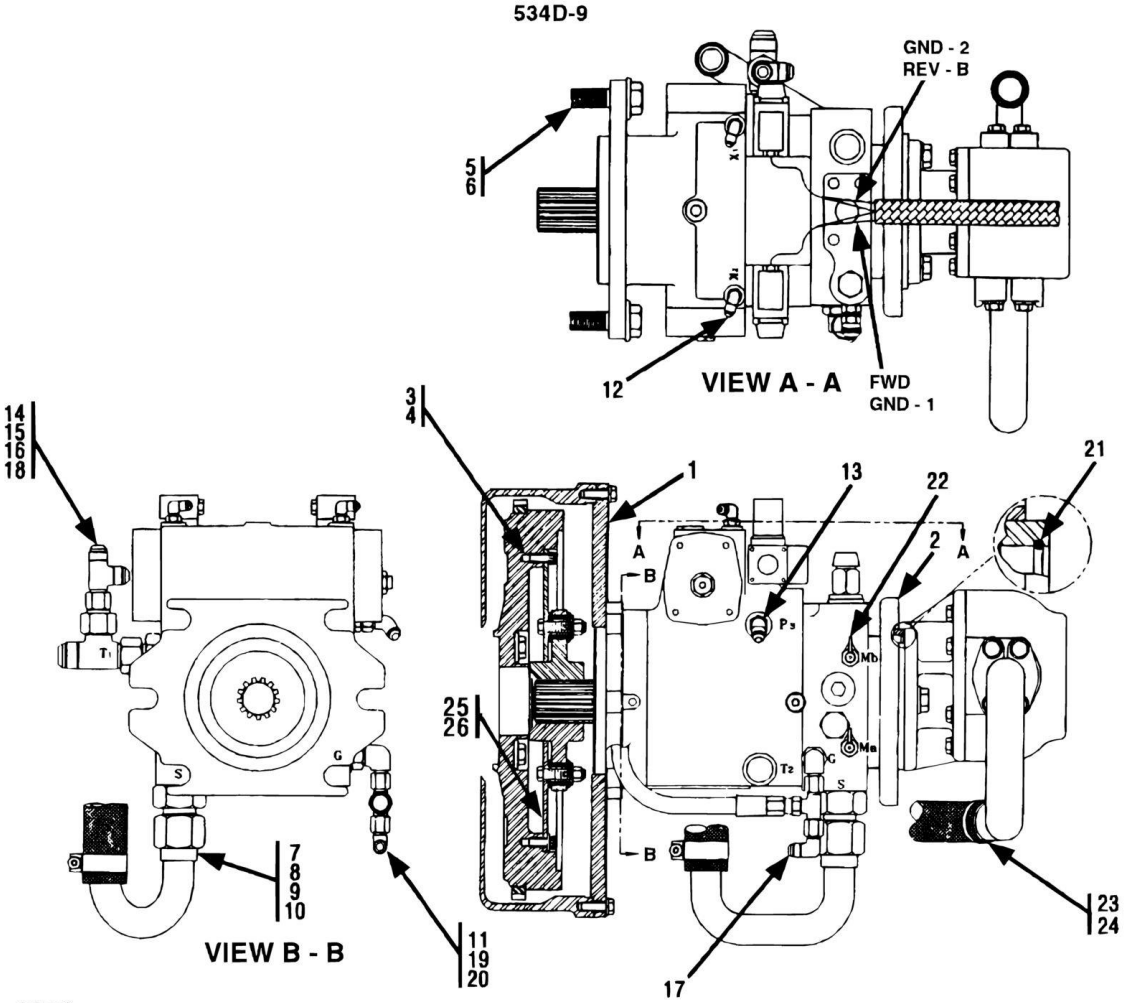


FIGURE 4-22. ENGINE ASSEMBLY, RH VIEW (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091083	1	ENGINE ASSY, (includes items 1 thru 105 on ENGINE ASSEMBLY, LH VIEW and all items on ENGINE ASSEMBLY, RH VIEW, ENGINE PUMP MOUNT AND FLYWHEEL HOUSING and JOHN DEERE ENGINE)	P
6	4761800	8	LOCKWASHER, 12mm	
8	91083106	5	O-RING	
12	84712738	8	SPLIT FLANGE CLAMP	
13	0681714	16	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
14	4761700	28	LOCKWASHER, 7/16	
23	90205792	1	CUSHION CLAMP	
26	2720643	37 in	HOSE, 3/8	
27	1001091704	1	TUBE ASSY	
32	1001091705	1	HYDRAULIC TUBE ASSY	
33	91083266	1	TUBE ASSY	
34	2131212	1	ELBOW, 90	
35	2151212	1	ELBOW, 45	
36	91163098	1	TUBE ASSY	
37	2220579	1	SWIVEL NUT BRANCH TEE	
38	2220371	2	CONNECTOR	
39	3780177	2	O-RING	
40	84718700	1	HOSE ASSY	
41	1001091701	1	LH TUBE SUPPORT	
42	1001091700	1	RH TUBE SUPPORT	
43	1001091698	1	FLOW DIVIDER BRACKET	
44	0761016	5	HEX HD CAPSCREW, 10X40mm, GR8.8	
46	4711600	7	FLAT WASHER, 3/8	
47	0701015	5	HEX HD CAPSCREW, 10X35mm, GR8.8	
48	84718639	1	HOSE ASSY	
50	8530030	2	SPLIT FLANGE	
51	0641610	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
52	4761600	4	LOCKWASHER, 3/8	
53		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
54	0641808	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
56	4711800	2	FLAT WASHER, 1/2	
58	2220472	1	ELBOW, 90	
59	0701017	2	HEX HD CAPSCREW, 10X45mm, GR8.8	
89	2220820	1	PIPE REDUCER, 3/4X1/2	
90	2220273	1	PIPE REDUCER, 1/2X1/8	
91	91143314	1	WATER TEMPERATURE SENDER	
95	1320044	1	CLAMP	
96	0641406	1	HEX HD CAPSCREW, 1/4-20X5/8	
97	4751400	1	LOCKWAHSER, 1/4	
98	3311405	1	HEX NUT, 1/4-20	
99	3311605	1	HEX NUT, 3/8-16	
100	0641614	1	HEX HD CAPSCREW, 3/8-16X1-3/4	
101	4751600	2	LOCKWASHER, 3/8	
102	1001105689	1	TUBE SUPPORT BRACKET	
106	77133196	1	HOSE ASSY	

FIGURE 4-23. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544001 through 0544084)



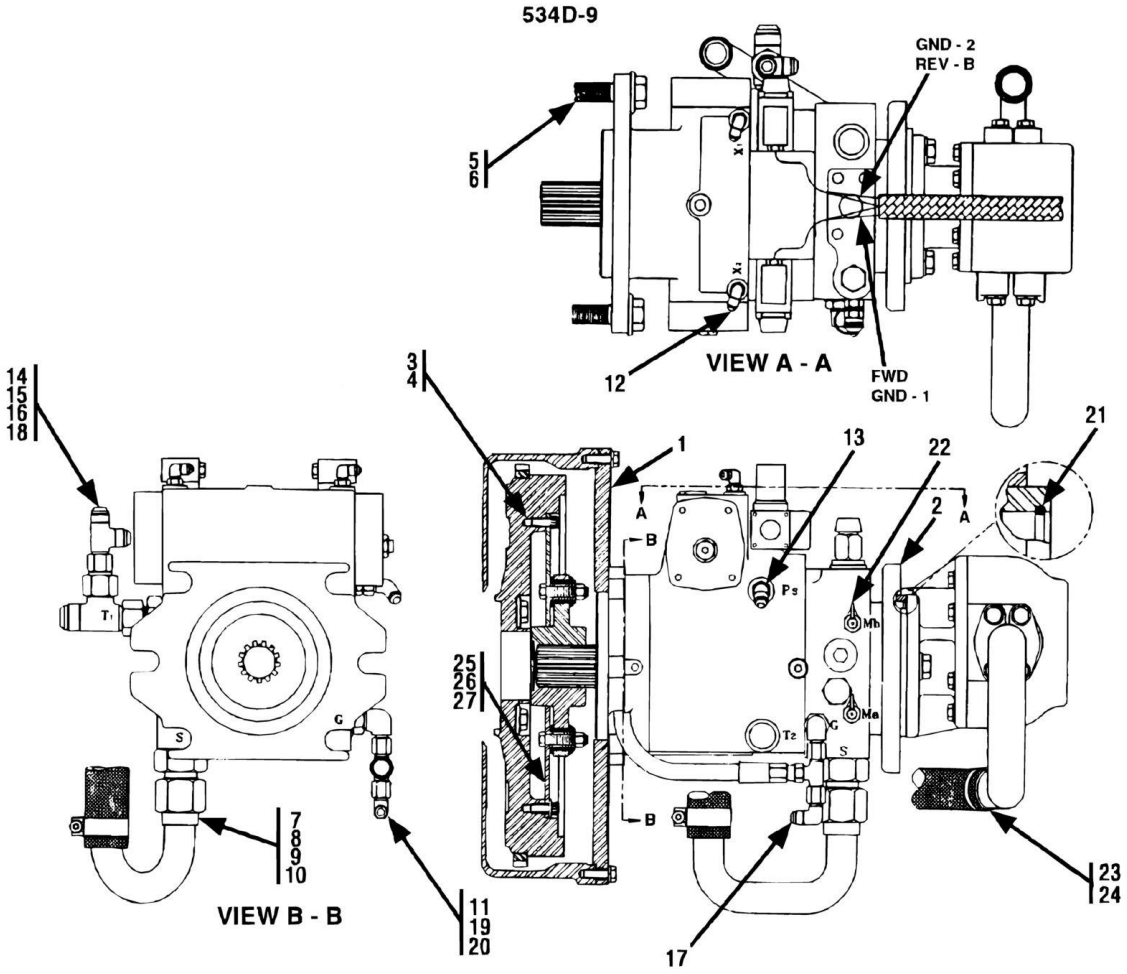
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-23. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544001 through 0544084)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91163011	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25 & 26)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	90028695	1	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	88662105	1	ELBOW, 90, (swivel nut)	
18	2220451	1	CONNECTOR, (includes o-ring)	
18	88591207	1	O-RING	
19	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
20	77133447	1	HOSE ASSY	
21	91144002	1	O-RING	
22	91053020	2	TEST COUPLING, (includes o-ring)	
22	91054002	2	O-RING	
23	80933070	1	BAND CLAMP	
24	77363128	1	HOSE ASSY	
25	91084311	1	MOUNT PLATE, (includes bolts)	
26	91164104	1	COUPLING	

FIGURE 4-24. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544085 through 0544216)



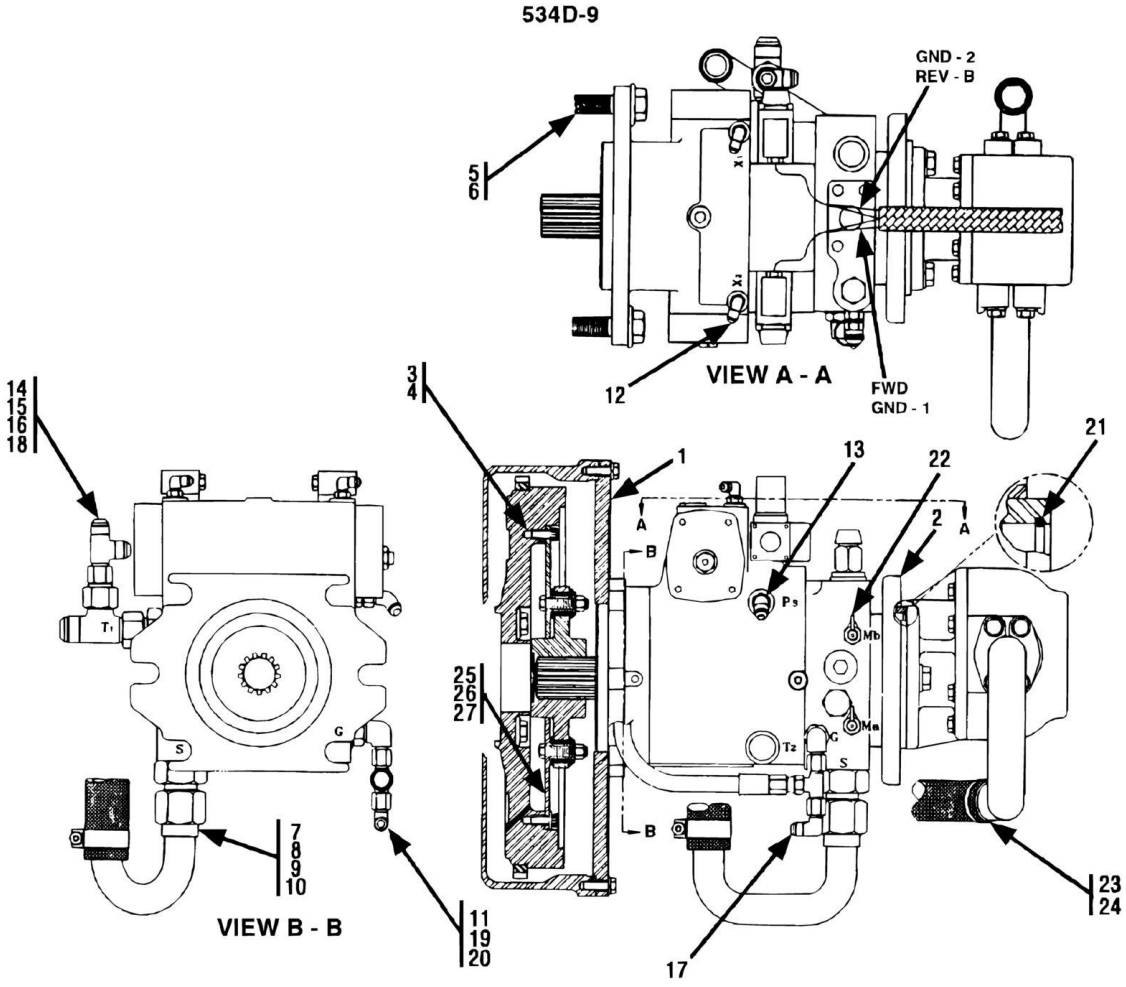
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-24. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544085 through 0544216)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143013	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	90028695	1	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	88662105	1	ELBOW, 90, (swivel nut)	
18	2220451	1	CONNECTOR, (includes o-ring)	
18	88591207	1	O-RING	
19	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
20	77133447	1	HOSE ASSY	
21	91144002	1	O-RING	
22	91053020	2	TEST COUPLING, (includes o-ring)	
22	91054002	2	O-RING	
23	90028482	1	BAND CLAMP	
24	77363128	1	HOSE ASSY	
25	91344048	1	MOUNTING PLATE	
26	91344049	1	COUPLING, (bolts included)	
27	91344050	1	HUBBARD PLUG	

FIGURE 4-25. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544217 through 0544717)



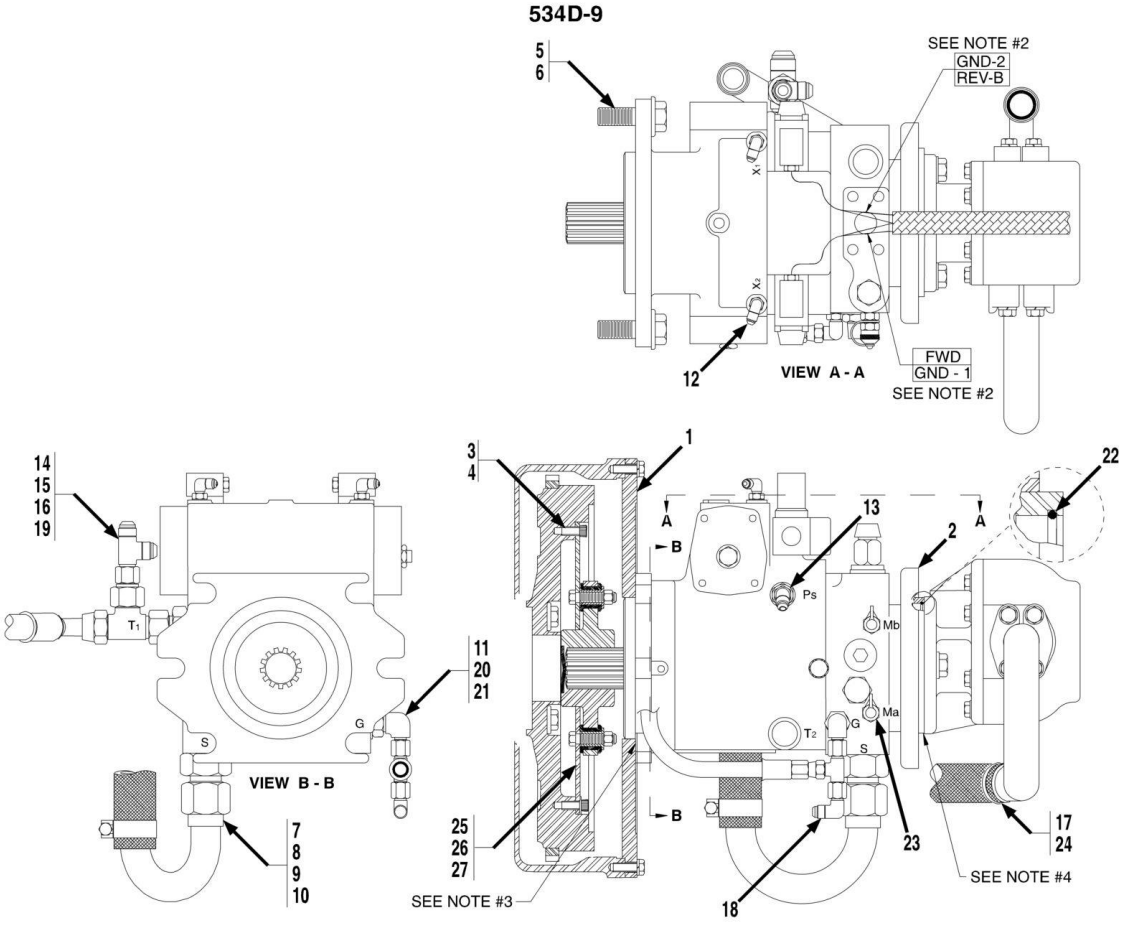
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-25. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544217 through 0544717)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143013	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	90028695	1	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	88662105	1	ELBOW, 90, (swivel nut)	
18	2220451	1	CONNECTOR, (includes o-ring)	
18	88591207	1	O-RING	
19	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
20	77133447	1	HOSE ASSY	
21	91144002	1	O-RING	
22	91053020	2	TEST COUPLING, (includes o-ring)	
22	91054002	2	O-RING	
23	90028482	1	BAND CLAMP	
24	77363128	1	HOSE ASSY	
25	91344048	1	MOUNTING PLATE	
26	91344049	1	COUPLING, (bolts included)	
27	91344050	1	HUBBARD PLUG	

FIGURE 4-26. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)



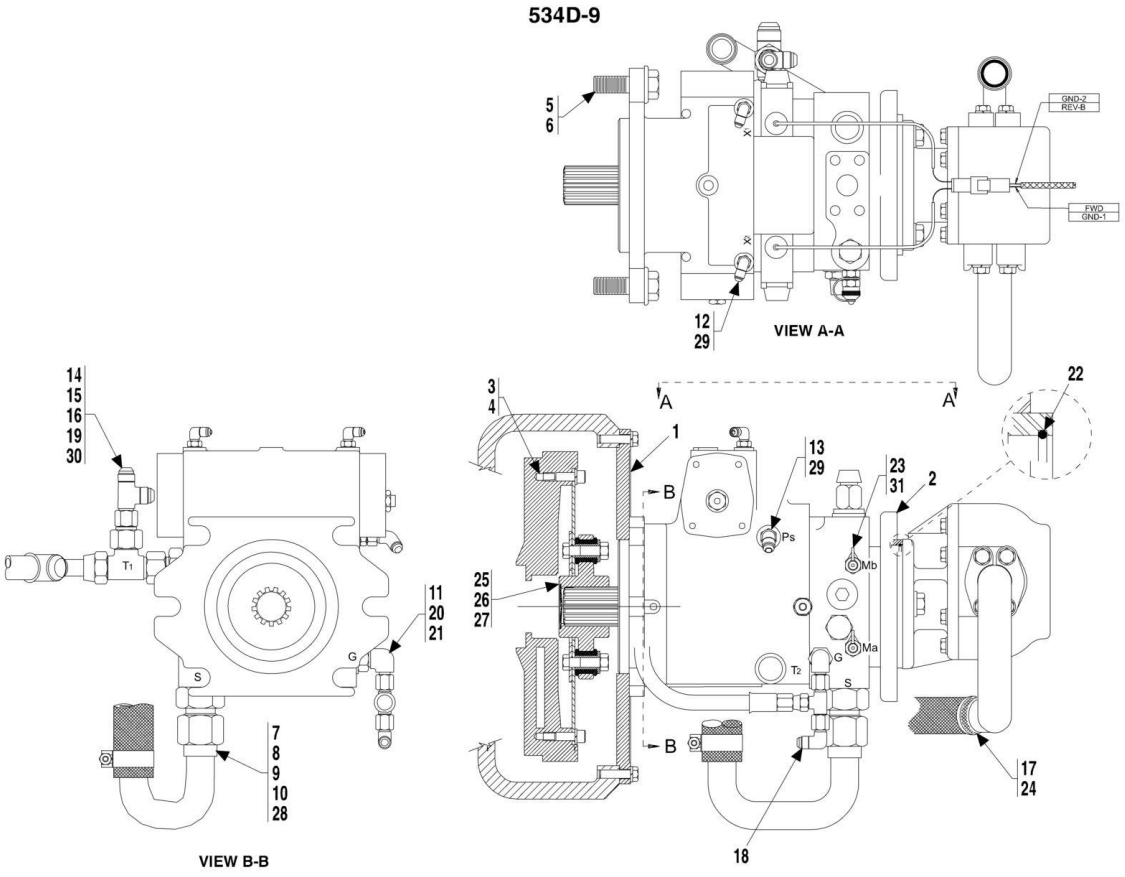
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-26. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0544719 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143013	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	80633030	2	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	77363128	1	HOSE ASSY	
18	88662105	1	ELBOW, 90, (swivel nut)	
19	2220451	1	CONNECTOR, (includes o-ring)	
19	88591207	1	O-RING	
20	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
21	77133447	1	HOSE ASSY	
22	91144002	1	O-RING	
23	91053020	2	TEST COUPLING, (includes o-ring)	
23	91054002	2	O-RING	
24	90028482	1	BAND CLAMP	
25	91344048	1	MOUNTING PLATE	
26	91344049	1	COUPLING, (bolts included)	
27	91344050	1	HUBBARD PLUG	

FIGURE 4-27. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160001051 through 0160010202; Including 0160000700 and , Excluding 0160010082 and 0160010093)



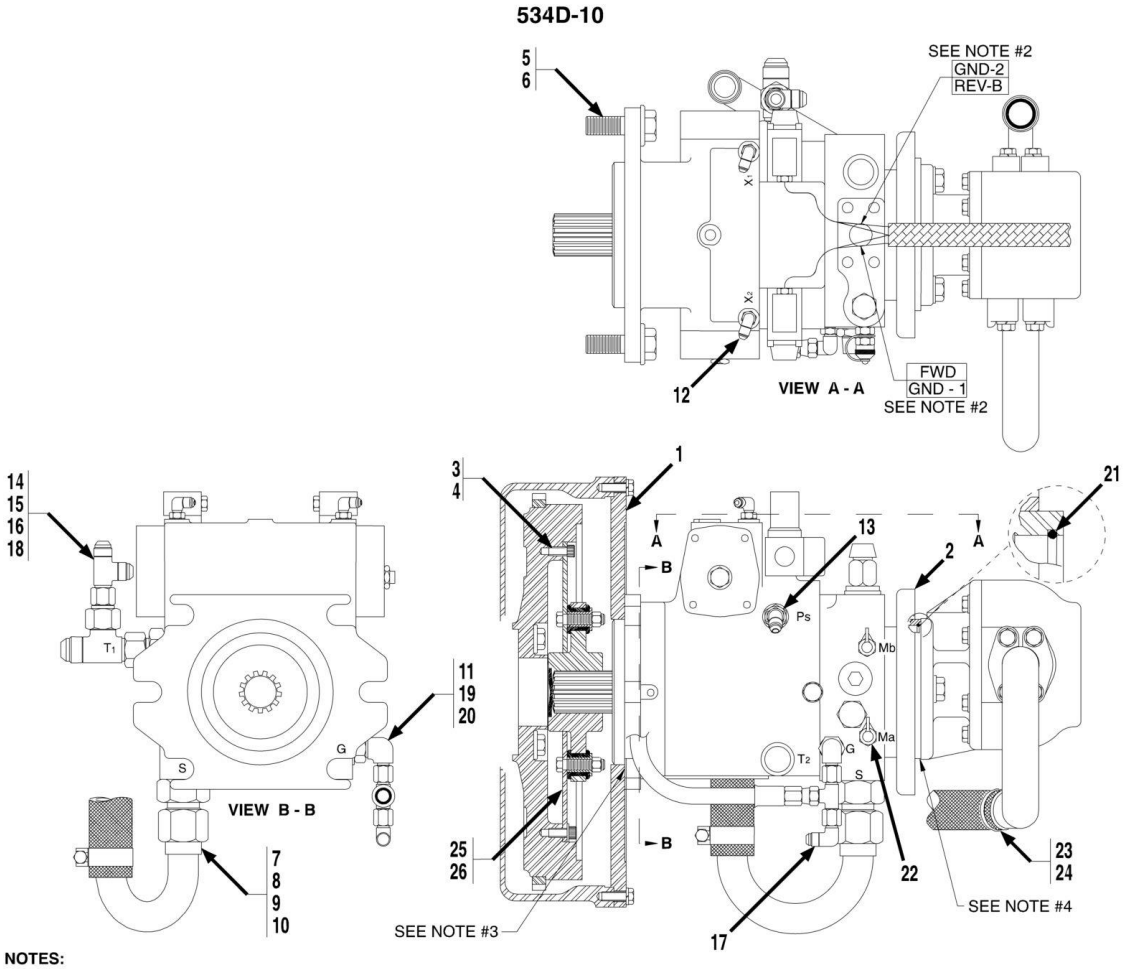
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-27. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160001051 through 0160010202; Including 0160000700 and , Excluding 0160010082 and 0160010093)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91363206	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	A
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes item 28)	
8	91143087	1	INTAKE TUBE	
9	91553038	1	INTAKE HOSE	
10	80633030	2	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes item 29)	
13	88662084	1	ELBOW, 45, (includes item 29)	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	77363128	1	HOSE ASSY	
18	88662105	1	ELBOW, 90, (swivel nut)	
19	2220451	1	CONNECTOR, (includes item 30)	
20	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
21	77133447	1	HOSE ASSY	
22	91144002	1	O-RING	
23	91053020	2	TEST COUPLING, (includes item 31)	
24	90028482	1	BAND CLAMP	
25	91364099	1	HOUSING MOUNT	
26	91164104	1	COUPLING, (bolts included)	
27	91364100	1	COUPLER	
28	88591210	1	O-RING	
29	88591204	3	O-RING	
30	88591207	1	O-RING	
31	91054002	2	O-RING	

FIGURE 4-28. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366001 through 0366016)



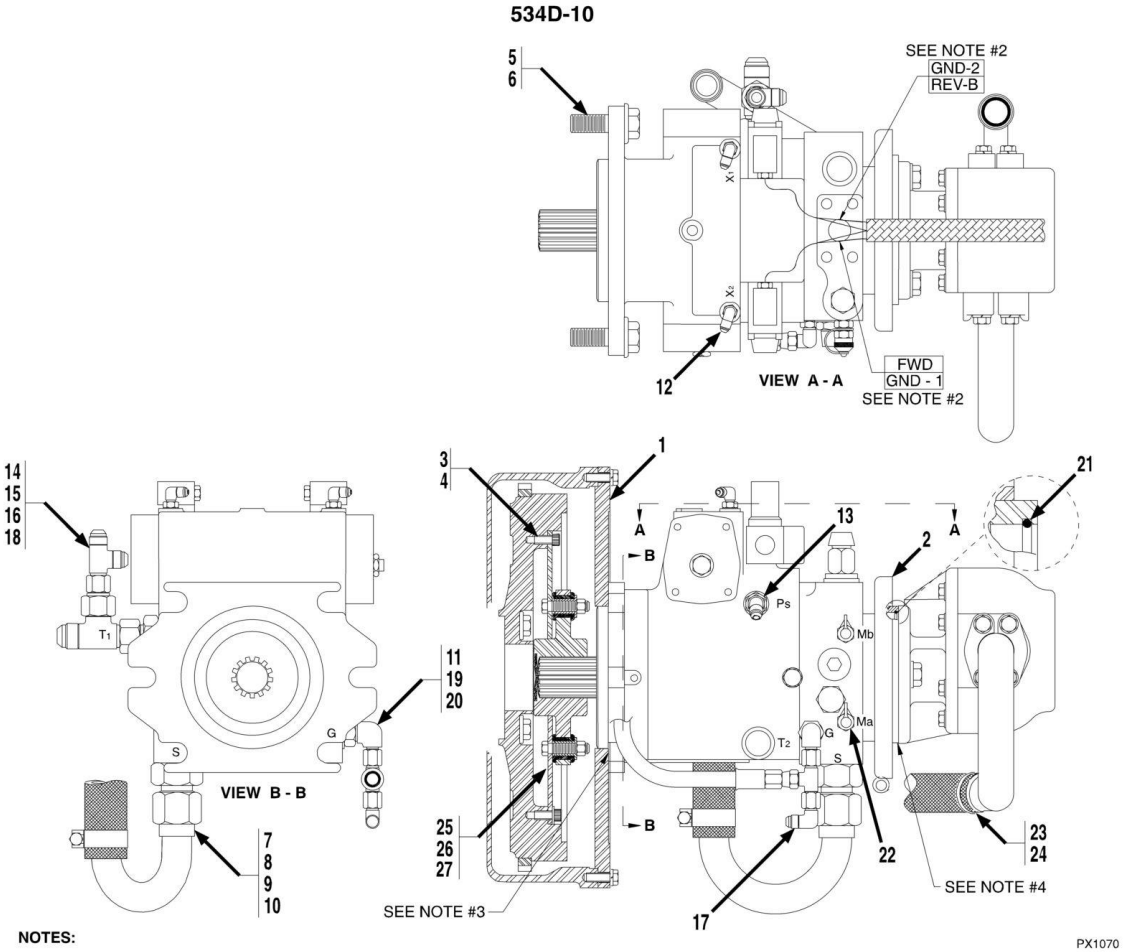
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-28. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366001 through 0366016)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91163011	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25 & 26)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	90028695	1	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	88662105	1	ELBOW, 90, (swivel nut)	
18	2220451	1	CONNECTOR, (includes o-ring)	
18	88591207	1	O-RING	
19	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
20	77133447	1	HOSE ASSY	
21	91144002	1	O-RING	
22	91053020	2	TEST COUPLING, (includes o-ring)	
22	91054002	2	O-RING	
23	80933070	1	BAND CLAMP	
24	77363128	1	HOSE ASSY	
25	91084311	1	MOUNT PLATE, (includes bolts)	
26	91164104	1	COUPLING	

FIGURE 4-29. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366017 through 0366053)



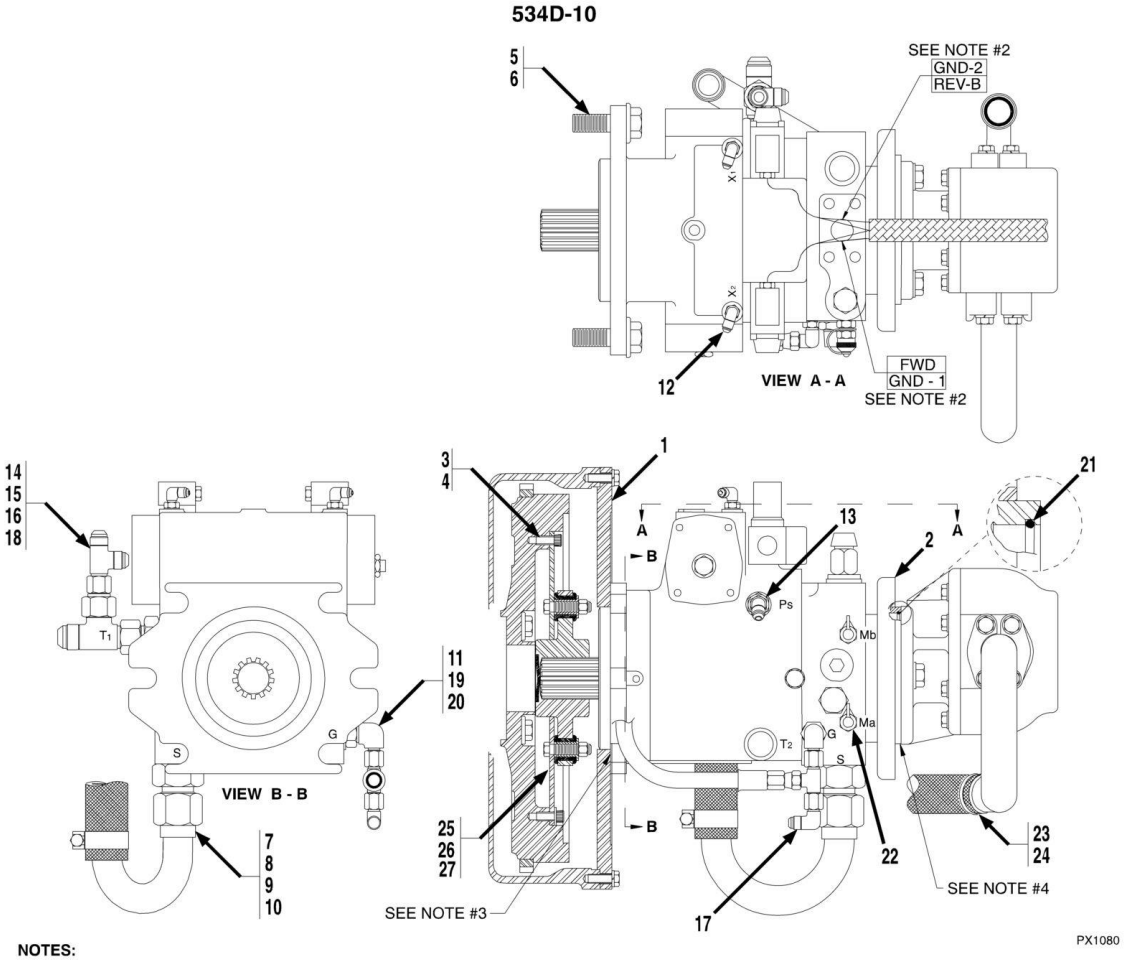
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-29. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366017 through 0366053)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143013	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	90028695	1	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	88662105	1	ELBOW, 90, (swivel nut)	
18	2220451	1	CONNECTOR, (includes o-ring)	
18	88591207	1	O-RING	
19	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
20	77133447	1	HOSE ASSY	
21	91144002	1	O-RING	
22	91053020	2	TEST COUPLING, (includes o-ring)	
22	91054002	2	O-RING	
23	90028482	1	BAND CLAMP	
24	77363128	1	HOSE ASSY	
25	91344048	1	MOUNTING PLATE	
26	91344049	1	COUPLING, (bolts included)	
27	91344050	1	HUBBARD PLUG	

FIGURE 4-30. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366054 through 0366187)



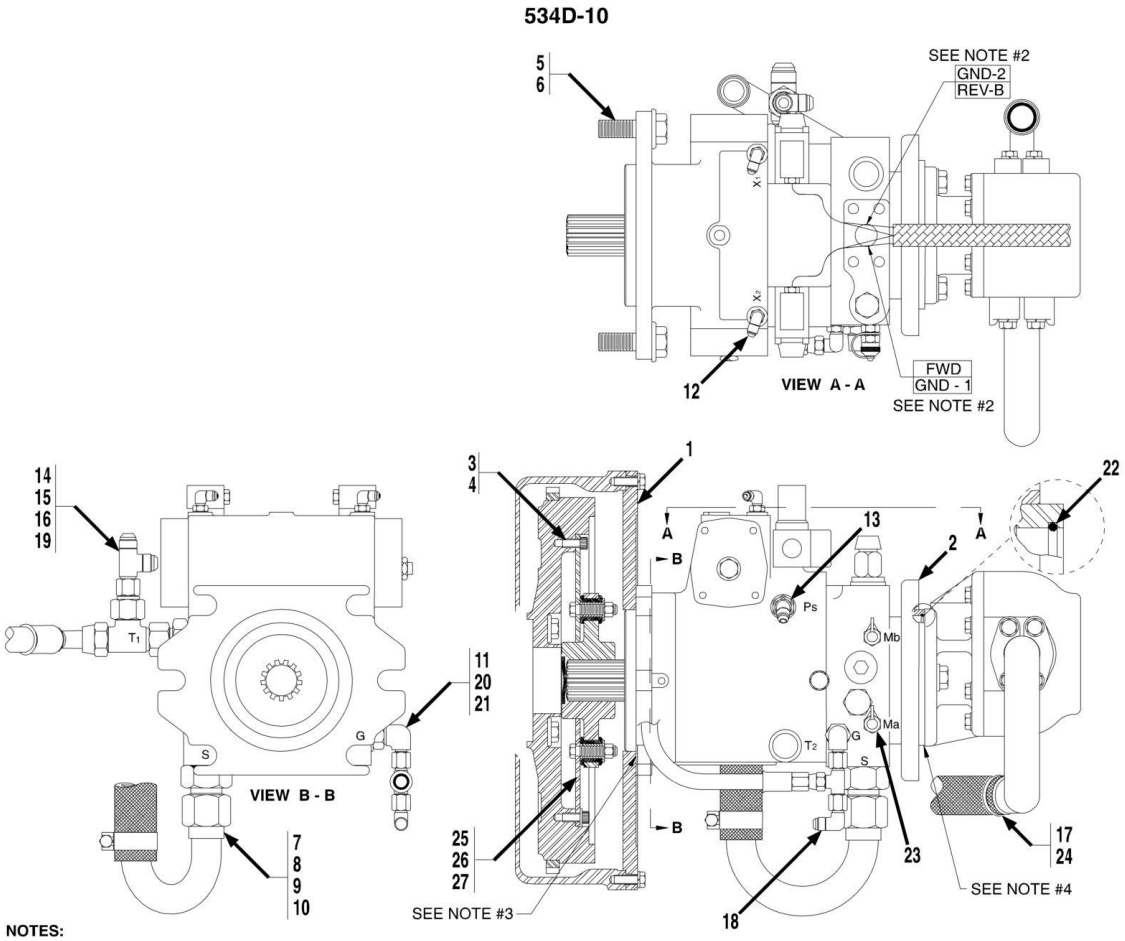
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-30. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366054 through 0366187)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143013	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	90028695	1	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	88662105	1	ELBOW, 90, (swivel nut)	
18	2220451	1	CONNECTOR, (includes o-ring)	
18	88591207	1	O-RING	
19	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
20	77133447	1	HOSE ASSY	
21	91144002	1	O-RING	
22	91053020	2	TEST COUPLING, (includes o-ring)	
22	91054002	2	O-RING	
23	90028482	1	BAND CLAMP	
24	77363128	1	HOSE ASSY	
25	91344048	1	MOUNTING PLATE	
26	91344049	1	COUPLING, (bolts included)	
27	91344050	1	HUBBARD PLUG	

FIGURE 4-31. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974)



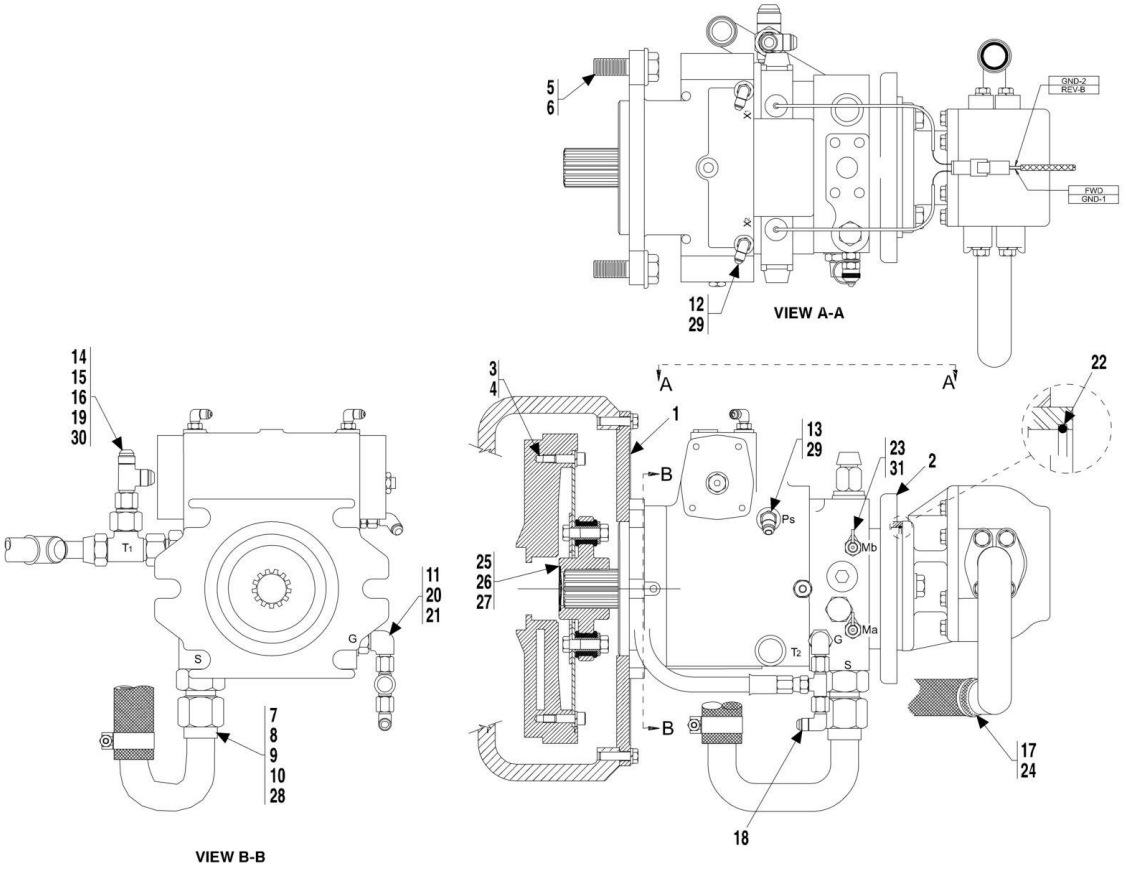
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-31. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-10 SN 0366188 through 0366533; SN 0160000125 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143013	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes o-ring)	
7	88591210	1	O-RING	
8	91143087	1	INTAKE TUBE	
9	91143143	1	HOSE ASSY	
10	80633030	2	BAND CLAMP	
11	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	90027906	2	ELBOW, 90, (includes o-ring)	
12	88591204	2	O-RING	
13	88662084	1	ELBOW, 45, (includes o-ring)	
13	88591204	1	O-RING	
14	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	77363128	1	HOSE ASSY	
18	88662105	1	ELBOW, 90, (swivel nut)	
19	2220451	1	CONNECTOR, (includes o-ring)	
19	88591207	1	O-RING	
20	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
21	77133447	1	HOSE ASSY	
22	91144002	1	O-RING	
23	91053020	2	TEST COUPLING, (includes o-ring)	
23	91054002	2	O-RING	
24	90028482	1	BAND CLAMP	
25	91344048	1	MOUNTING PLATE	
26	91344049	1	COUPLING, (bolts included)	
27	91344050	1	HUBBARD PLUG	

FIGURE 4-32. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)



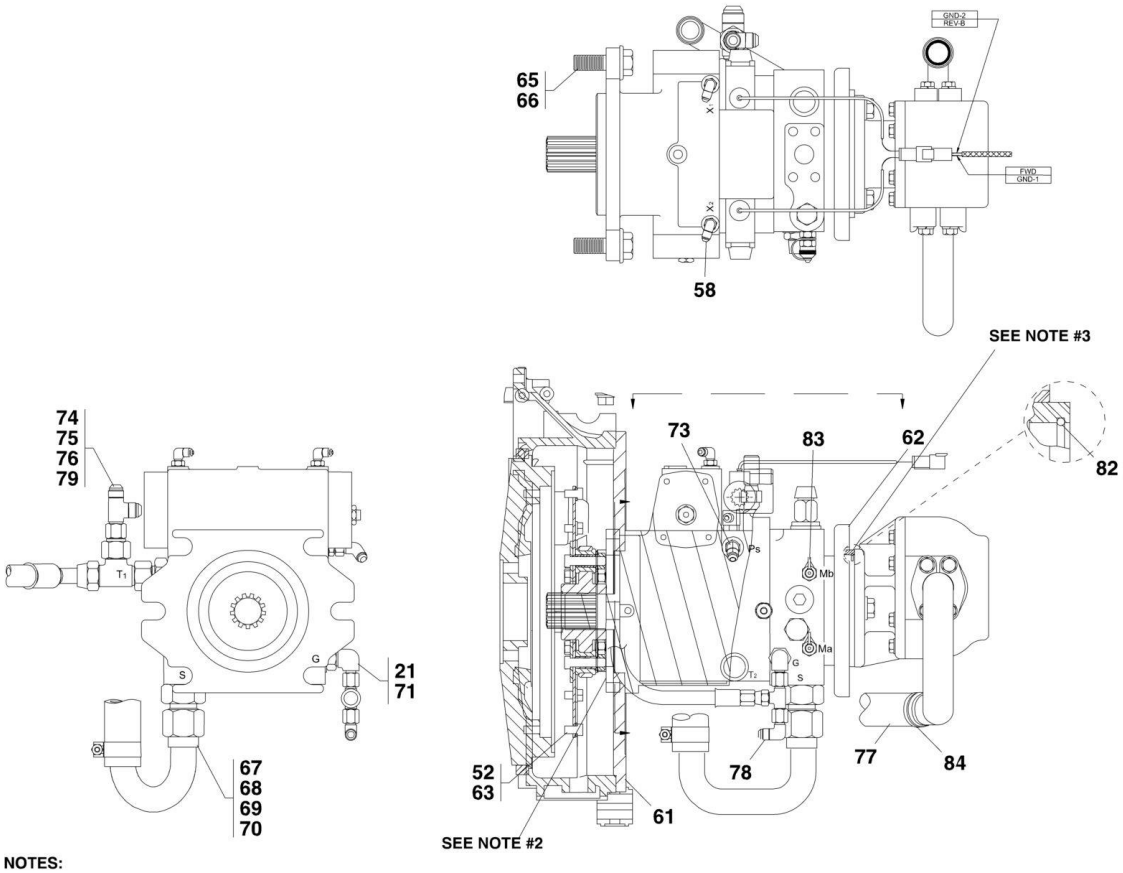
NOTES:

1. USE LOCTITE (14403364) ON ALL BOLT & FITTING THREADS EXCEPT PIPE THREADS.
2. APPLY DI-ELECTRIC GREASE (14403416) UNDER ELECTRICAL CONNECTOR WHEN CONNECTOR IS INSTALLED.
3. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWWEN ITEM 1 & ITEM 2 AT LOCATION INDICATED BY ARROW.
4. APPLY LOCTITE (14404067) 1/8 IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP AT LOCATION INDICATED BY ARROW.

FIGURE 4-32. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91363206	1	PUMP MT AND FLYWHEEL COUPLING, (includes items 25, 26 & 27)	A
2		Ref	HYDROSTATIC TRANS PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8, (torque to 40-45 lb-ft)	
4	88551011	8	LOCKWASHER, 3/8	
5	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
6	90027473	2	HARDENED WASHER, 3/4	
7	2220380	1	CONNECTOR, (includes item 28)	
8	91143087	1	INTAKE TUBE	
9	91553038	1	INTAKE HOSE	
10	80633030	2	BAND CLAMP	
11	2220628	1	STRAIGHT THREAD REDUCING CONNECTOR	
12	2220472	2	ELBOW, 90, (includes item 29)	
13	2220501	1	ELBOW, 45, (includes item 29)	
14	2220700	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
15	2220622	1	REDUCER W/ADAPTER	
16	2220385	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
17	77363128	1	HOSE ASSY	
18	8760268	1	ELBOW, 90, (swivel nut)	
19	2220451	1	CONNECTOR, (includes item 30)	
20	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
21	77133447	1	HOSE ASSY	
22	91144002	1	O-RING	
23	91053020	2	TEST COUPLING, (includes item 31)	
24	90028482	1	BAND CLAMP	
25	91364099	1	HOUSING MOUNT	
26	91164104	1	COUPLING, (bolts included)	
27	91364100	1	COUPLER	
28	88591210	1	O-RING	
29	88591204	3	O-RING	
30	88591207	1	O-RING	
31	91054002	2	O-RING	

FIGURE 4-33. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)



NOTES:

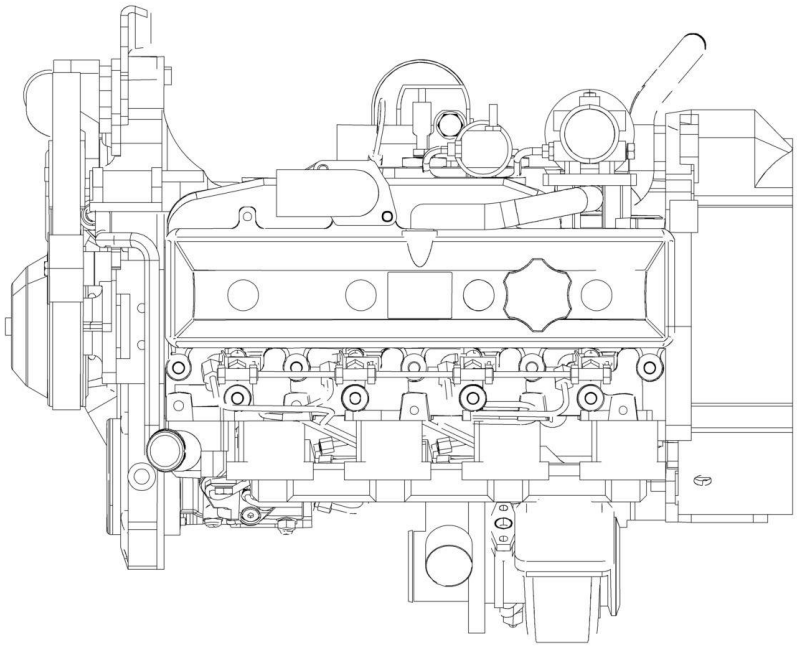
1. USE LOCTITE P/N (14403364) ON ALL BOLT THREADS.
2. APPLY LOCTITE SUPERFLEX 587 ULTRA BLUE SILICON (14404067) 1/8IN CONTINUOUS BEAD BETWEEN ITEM 1 & 2.
3. APPLY LOCTITE SUPERFLEX 587 ULTRA BLUE SILICON (14404067) 1/8IN CONTINUOUS BEAD BETWEEN ITEM 2 & MAIN PUMP.

PAP19680

FIGURE 4-33. ENGINE PUMP MOUNT AND FLYWHEEL HOUSING (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	77133447	1	HOSE ASSY	
52	4761600	8	LOCKWASHER, 3/8	
58	2220472	1	ELBOW, 90	
61	91163011	1	FLYWHEEL COUPLING ASSY	
62		Ref	HYDROSTATIC TRANSMISSION PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
63	3931610	8	SOCKET HD CAPSCREW, 3/8-16X1, (torque to 40-45 lb-ft)	
65	0642218	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5, (torque to 240-265 lb-ft)	
66	90027473	2	HARDENED WASHER, 3/4	
67	2220380	1	CONNECTOR	
68	91143087	1	INTAKE TUBE	
69	91553038	1	INTAKE HOSE	
70	90028482	2	BAND CLAMP	
71	2220628	1	REDUCER	
73	2220501	1	ELBOW, 45	
74	2220700	1	SWIVEL NUT RUN TEE	
75	2220622	1	REDUCER	
76	2220385	1	SWIVEL NUT RUN TEE	
77	77363128	1	HOSE	
78	8760268	1	ELBOW, 90, (swivel nut)	
79	2220451	1	CONNECTOR	
82	91144002	1	O-RING	
83	91053020	2	TEST COUPLING	
84	90028482	1	BAND CLAMP	

FIGURE 4-34. JOHN DEERE ENGINE (534D-9 SN 0160001051 through 0160007529, Including 0160000700; 534D-10 SN 0160000978 to Present)



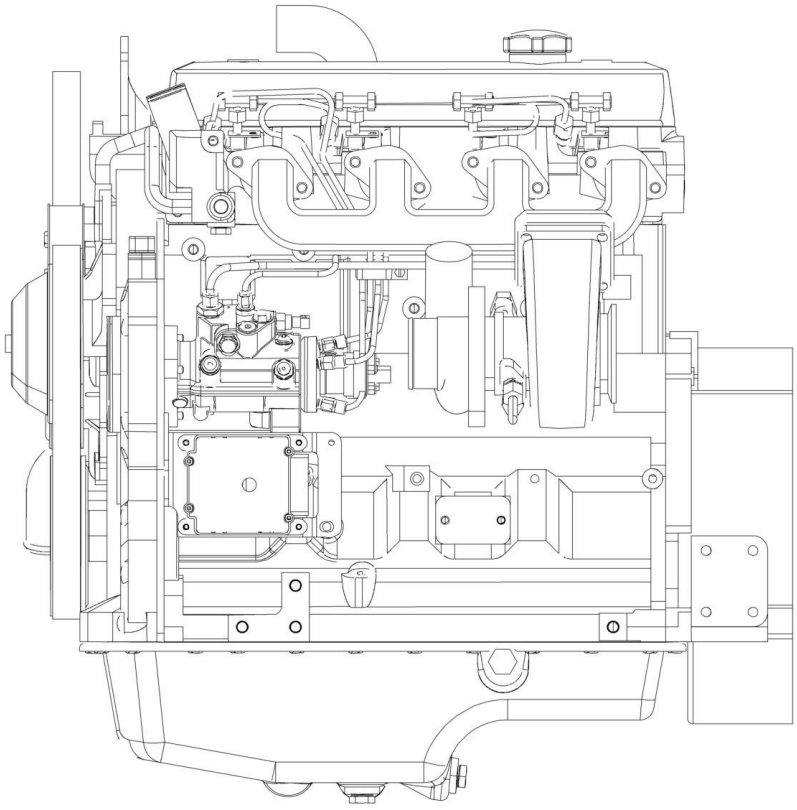
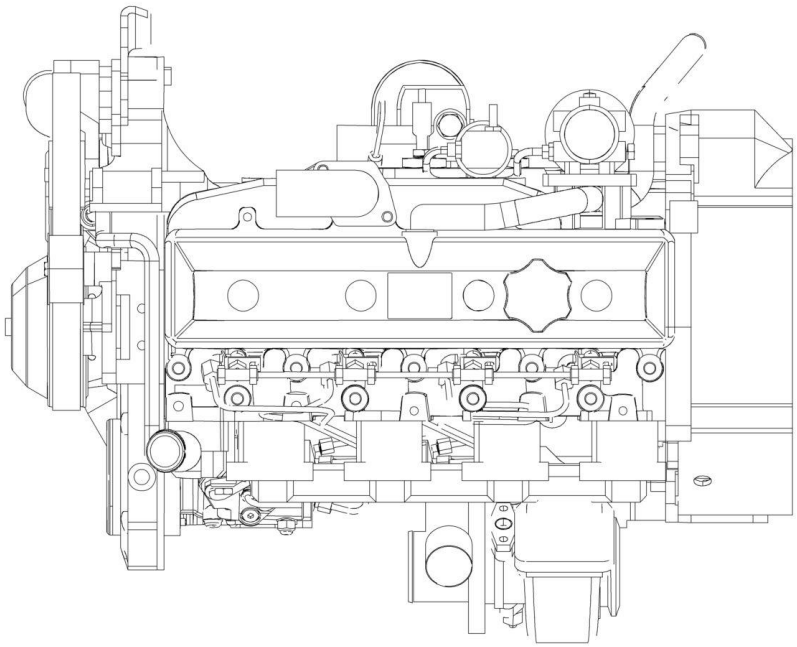


FIGURE 4-34. JOHN DEERE ENGINE (534D-9 SN 0160001051 through 0160007529, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91533001	1	JOHN DEERE ENGINE, 110 HP, (534D-9), (includes all items)	
	91543001	1	JOHN DEERE ENGINE, 115 HP, (534D-10), (includes all items)	
	91404257	1	GASKET, VALVE COVER	
	91404256	4	PLUG, VALVE COVER	
	91404259	4	O-RING, VALVE COVER PLUG	
	91404258	1	FILLER CAP, VALVE COVER, (includes packing)	
	91404255	1	PACKING, FILLER CAP	
	91404253	2	GASKET, OIL FILLER	
	91534007	1	FLYWHEEL, (includes ring gear)	
	91534008	1	RING GEAR	
	91534009	4	FLYWHEEL BOLT	
	7026918	1	GASKET, AIR INLET	
	7026919	1	GASKET, AIR INLET	
	91404242	1	GASKET, OIL PAN	
	7026920	1	THERMOSTAT	
	7026927	1	GASKET, THERMOSTAT COVER	
	80374015	1	BELT	
	91404234	4	GASKET, EXHAUST MANIFOLD	
	91534004	1	FUEL FILTER ELEMENT	
	80374048	1	O-RING, FUEL FILTER	
	80374054	1	KIT, FUEL FILTER	
	80374050	1	SEAL KIT, FUEL FILTER	
	91404262	1	FUEL PUMP, (includes o-ring)	
	7026923	1	O-RING, FUEL PUMP	
	91404085	1	DIPSTICK	
	91554032	1	DIPSTICK TUBE	
	91404233	1	WATER PUMP	
	91404229	1	O-RING, WATER PUMP INLET	
	91404267	1	GASKET, TURBOCHARGER	
	7026924	1	TURBOCHARGER	
	7026925	1	GASKET, TURBOCHARGER	
	91404268	1	HOSE ASSY, TURBOCHARGER	
	91404266	2	O-RING, TURBOCHARGER HOSE ASSY	
	80374021	1	O-RING, TURBOCHARGER	
	7026926	1	OIL PRESSURE SENDER	
	91534005	1	OIL FILTER	
	91554033	1	GASKET, OIL FILTER HEAD	
	91474506	1	DRAIN PLUG, OIL FILTER, (includes o-ring)	
	80374020	1	O-RING, DRAIN PLUG	
	91534011	1	CRANK POSITION SENSOR	
	91474629	1	ALTERNATOR BRACKET	
	91474630	1	ALTERNATOR SUPPORT	
	91474631	1	ALTERNATOR STRAP	

FIGURE 4-35. JOHN DEERE ENGINE (534D-9 SN 0160007595 through 0160010202; Excluding 0160010082 and 0160010093)



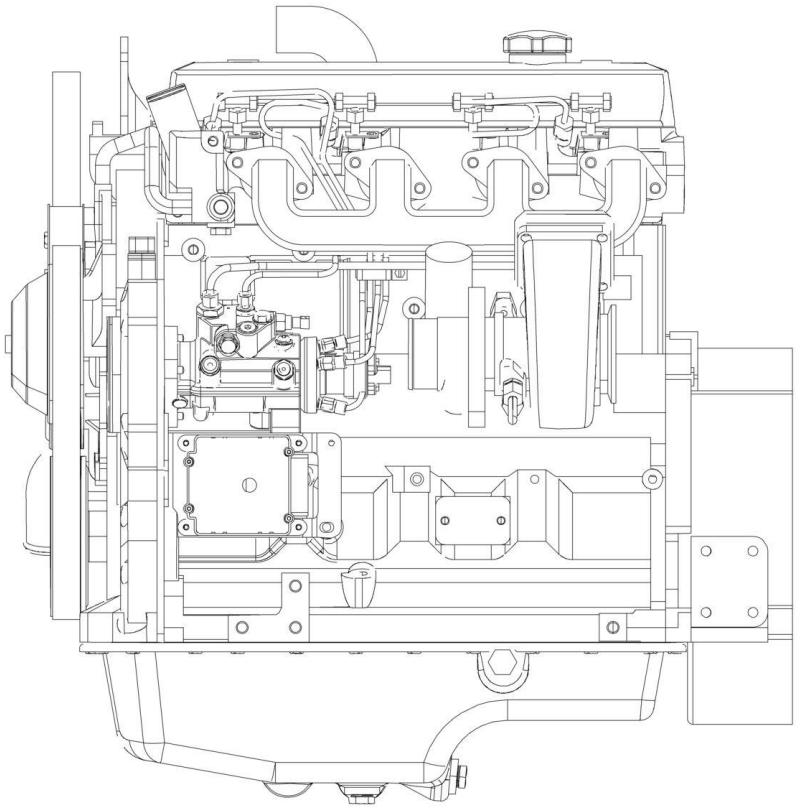
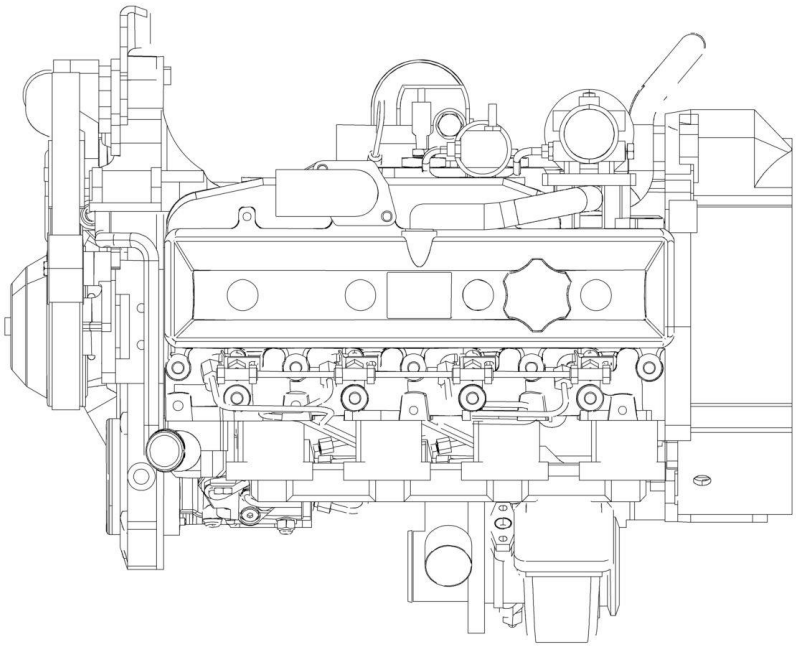


FIGURE 4-35. JOHN DEERE ENGINE (534D-9 SN 0160007595 through 0160010202; Excluding 0160010082 and 0160010093)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91533015	1	JOHN DEERE ENGINE, 110 HP, (534D-9), (includes all items)	D
	91404257	1	GASKET, VALVE COVER	
	91404256	4	PLUG, VALVE COVER	
	91404259	4	O-RING, VALVE COVER PLUG	
	91404258	1	FILLER CAP, VALVE COVER, (includes packing)	
	91404255	1	PACKING, FILLER CAP	
	91404253	2	GASKET, OIL FILLER	
	91534007	1	FLYWHEEL, (includes ring gear)	
	91534008	1	RING GEAR	
	91534009	4	FLYWHEEL BOLT	
	7026918	1	GASKET, AIR INLET	
	7026919	1	GASKET, AIR INLET	
	91404242	1	GASKET, OIL PAN	
	7026920	1	THERMOSTAT	
	7026927	1	GASKET, THERMOSTAT COVER	
	80374015	1	BELT	
	91404234	4	GASKET, EXHAUST MANIFOLD	
	91534004	1	FUEL FILTER ELEMENT	
	80374048	1	O-RING, FUEL FILTER	
	80374054	1	KIT, FUEL FILTER	
	80374050	1	SEAL KIT, FUEL FILTER	
	91404262	1	FUEL PUMP, (includes o-ring)	
	7026923	1	O-RING, FUEL PUMP	
	91404085	1	DIPSTICK	
	91554032	1	DIPSTICK TUBE	
	91404233	1	WATER PUMP	
	91404229	1	O-RING, WATER PUMP INLET	
	91404267	1	GASKET, TURBOCHARGER	
	7026924	1	TURBOCHARGER	
	7026925	1	GASKET, TURBOCHARGER	
	91404268	1	HOSE ASSY, TURBOCHARGER	
	91404266	2	O-RING, TURBOCHARGER HOSE ASSY	
	80374021	1	O-RING, TURBOCHARGER	
	7026926	1	OIL PRESSURE SENDER	
	91534005	1	OIL FILTER	
	91554033	1	GASKET, OIL FILTER HEAD	
	91474506	1	DRAIN PLUG, OIL FILTER, (includes o-ring)	
	80374020	1	O-RING, DRAIN PLUG	
	91534011	1	CRANK POSITION SENSOR	
	91474629	1	ALTERNATOR BRACKET	
	91474630	1	ALTERNATOR SUPPORT	
	91474631	1	ALTERNATOR STRAP	

FIGURE 4-36. JOHN DEERE ENGINE (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160007725 through 0160034816)



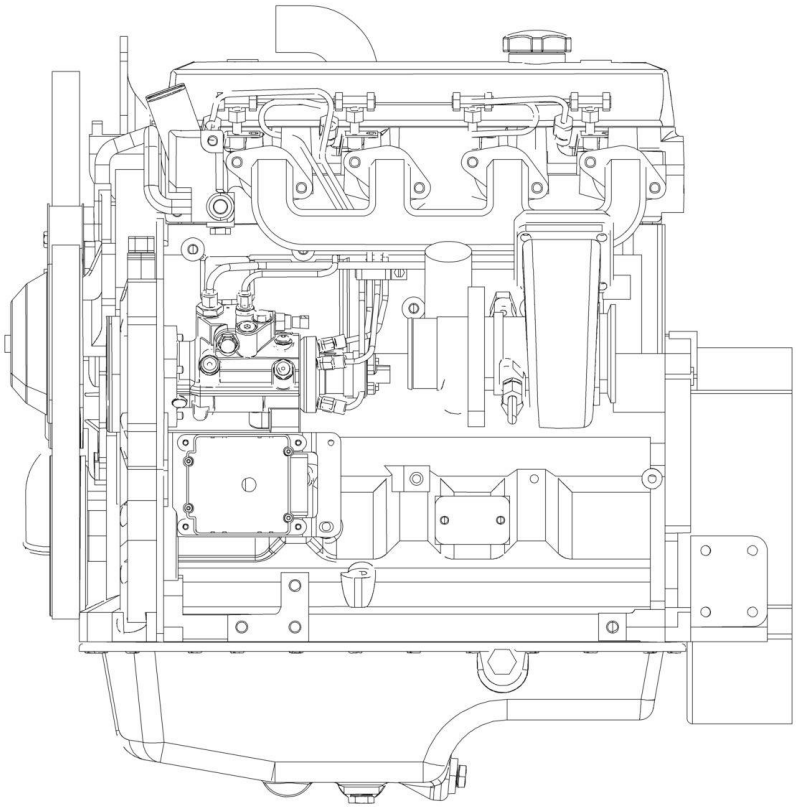


FIGURE 4-36. JOHN DEERE ENGINE (534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160007725 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91543003	1	JOHN DEERE ENGINE, 115 HP, (534D-9, 534D-10), (includes all items)	E
	91404257	1	GASKET, VALVE COVER	
	91404256	4	PLUG, VALVE COVER	
	91404259	4	O-RING, VALVE COVER PLUG	
	91404258	1	FILLER CAP, VALVE COVER, (includes packing)	
	91404255	1	PACKING, FILLER CAP	
	91404253	2	GASKET, OIL FILLER	
	91534007	1	FLYWHEEL, (includes ring gear)	
	91534008	1	RING GEAR	
	91534009	4	FLYWHEEL BOLT	
	7026918	1	GASKET, AIR INLET	
	7026919	1	GASKET, AIR INLET	
	91404242	1	GASKET, OIL PAN	
	7026927	1	GASKET, THERMOSTAT COVER	
	80374015	1	BELT	
	91404234	4	GASKET, EXHAUST MANIFOLD	
	91534004	1	FUEL FILTER ELEMENT	
	80374048	1	O-RING, FUEL FILTER	
	80374054	1	KIT, FUEL FILTER	
	80374050	1	SEAL KIT, FUEL FILTER	
	91404262	1	FUEL PUMP, (includes o-ring)	
	7026923	1	O-RING, FUEL PUMP	
	91404085	1	DIPSTICK	
	91554032	1	DIPSTICK TUBE	
	91404233	1	WATER PUMP	
	91404229	1	O-RING, WATER PUMP INLET	
	91404267	1	GASKET, TURBOCHARGER	
	7026924	1	TURBOCHARGER	
	7026925	1	GASKET, TURBOCHARGER	
	91404268	1	HOSE ASSY, TURBOCHARGER	
	91404266	2	O-RING, TURBOCHARGER HOSE ASSY	
	80374021	1	O-RING, TURBOCHARGER	
	7026926	1	OIL PRESSURE SENDER	
	91534005	1	OIL FILTER	
	91554033	1	GASKET, OIL FILTER HEAD	
	91474506	1	DRAIN PLUG, OIL FILTER, (includes o-ring)	
	80374020	1	O-RING, DRAIN PLUG	
	91534011	1	CRANK POSITION SENSOR	
	91474629	1	ALTERNATOR BRACKET	
	91474630	1	ALTERNATOR SUPPORT	
	91474631	1	ALTERNATOR STRAP	
	70021897	1	AIR INTAKE SENSOR	
	80374019	1	O-RING, (use with air intake sensor)	
	91534010	1	STARTER	

FIGURE 4-37. CUMMINS ENGINE (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

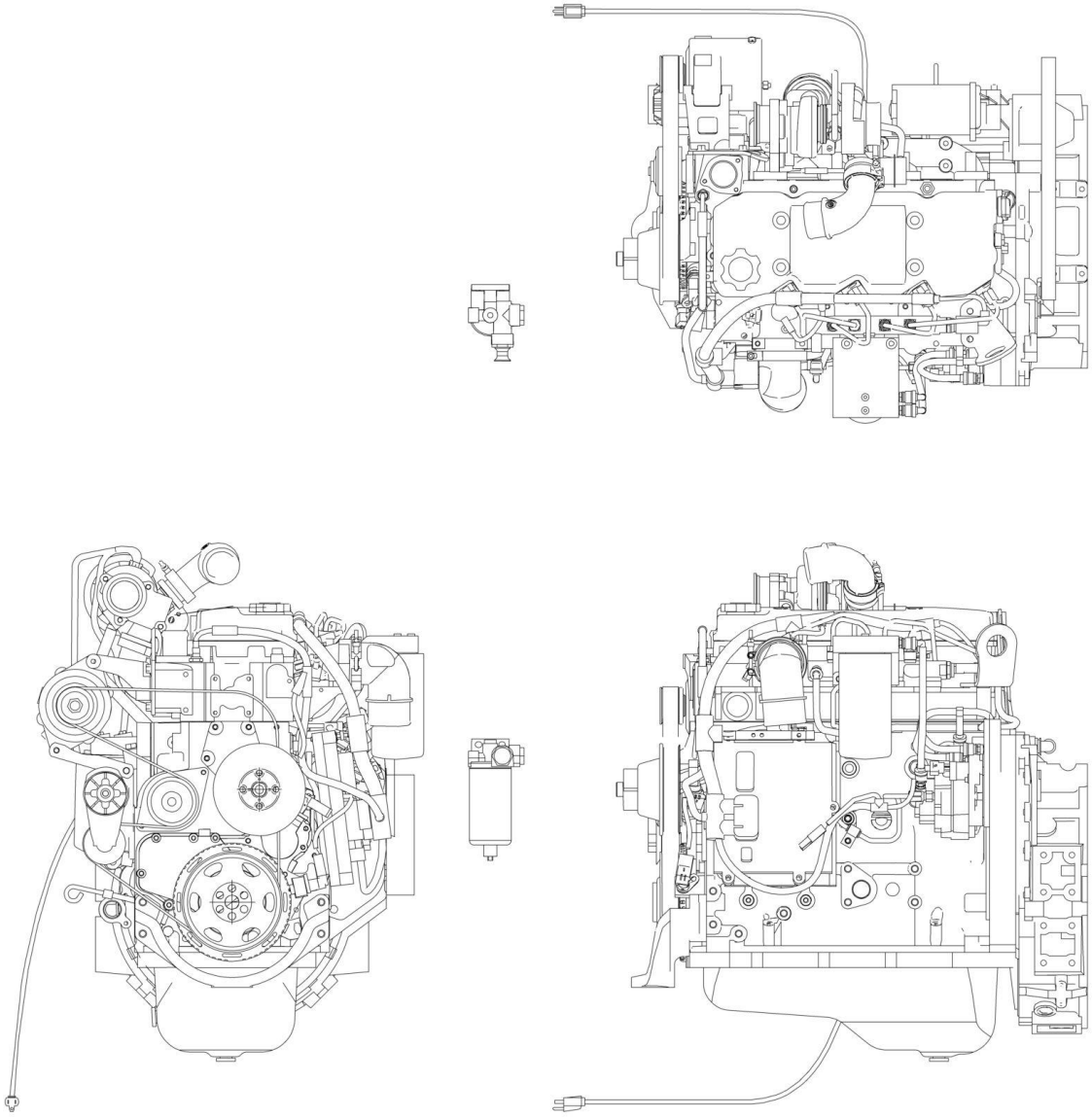


FIGURE 4-37. CUMMINS ENGINE (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2000401	1	CUMMINS ENGINE, 115 HP, (includes all items)	D
	70021793	1	VALVE COVER GASKET	
	70021794	1	FUEL INJECTION PUMP	
	70021795	1	FLY WHEEL	
	70021796	1	ENGINE OIL COOLER	
	70021797	1	ENGINE OIL COOLER GASKET	
	70023300	1	EXTENSION TUBE, DIPSTICK, (used with 800mm dipstick)	
	70023299	1	OIL LEVEL DIPSTICK, (used with 800mm dipstick)	
	70023298	1	DIPSTICK TUBE, (used with 800mm dipstick)	
	70021798	1	OIL LEVEL DIPSTICK, (used with 200mm dipstick)	
	70021799	1	DIPSTICK TUBE, (used with 200mm dipstick)	
	70021800	1	LUBRICATION OIL PUMP	
	70021801	1	OIL PAN	
	70022636	1	OIL PAN GASKET	
	70021803	1	OIL PAN PLUG	
	70021804	1	TURBOCHARGER KIT, (includes 3 gaskets)	
	70021805	1	WATER PUMP	
	70021806	1	WATER PUMP GASKET	
	70021807	1	FAN BELT	
	70022638	1	INJECTOR	
	70021809	1	BELT TENSIONER	
	70021810	1	OIL FILLER CAP	
	7029525	1	ALTERNATOR	
	70020349	1	PRIMARY FUEL FILTER	
	70021410	1	FUEL FILTER HEAD	
	70020348	1	SECONDARY FUEL FILTER	
	70020358	1	OIL FILTER	
	77384830	1	V-BAND CLAMP, EXHAUST OUTLET	

FIGURE 4-38. FUEL TANK LINES (534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)

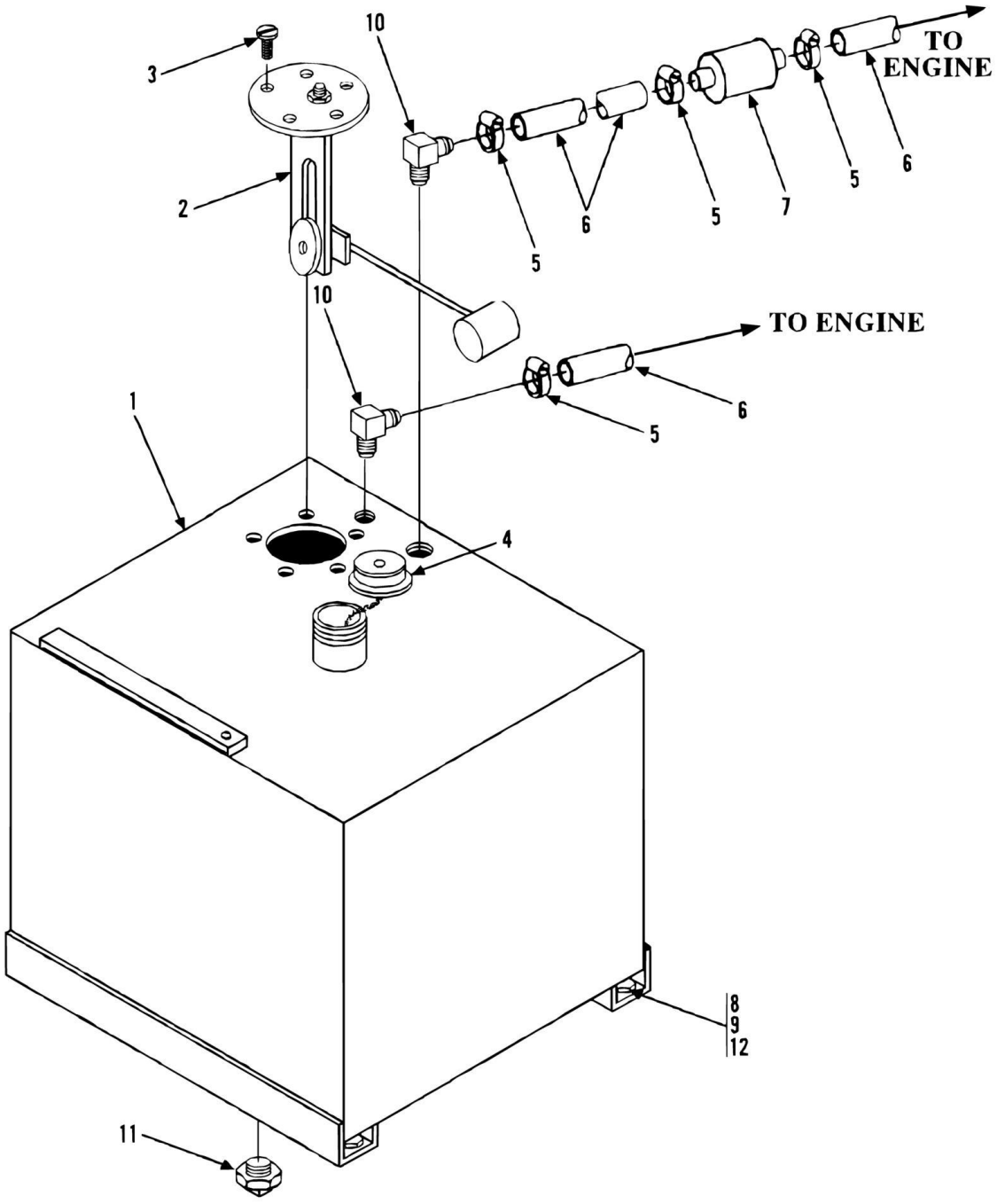


FIGURE 4-38. FUEL TANK LINES (534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91155016	1	FUEL TANK ASSY, (includes items 1 thru 4, 10 & 11)	E
1	91153031	1	FUEL TANK, (38 gal), (includes items 4 & 11)	
2	91143316	1	FUEL LEVEL SENDER, (do not use screws sent with sender order item 3)	
3	91083491	5	GASKETED SCREW	
4	86541381	1	FUEL TANK CAP, (w/chain)	
5	86883106	4	HOSE CLAMP	
6	Bulk	111 in	FUEL LINE HOSE, 5/16 ID	
7		Ref	FUEL FILTER, (I/L), (See ENGINE ASSEMBLY, RH VIE, item 12)	
8	88561008	4	WASHER, 5/8	
9	88551015	4	LOCKWASHER, 5/8	
10	84712746	2	HOSE NIPPLE, 90, 1/2X3/8	
11	88711283	1	HEX SOCKET PIPE PLUG, 1/2	
12	88201095	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	

FIGURE 4-39. FUEL TANK LINES (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

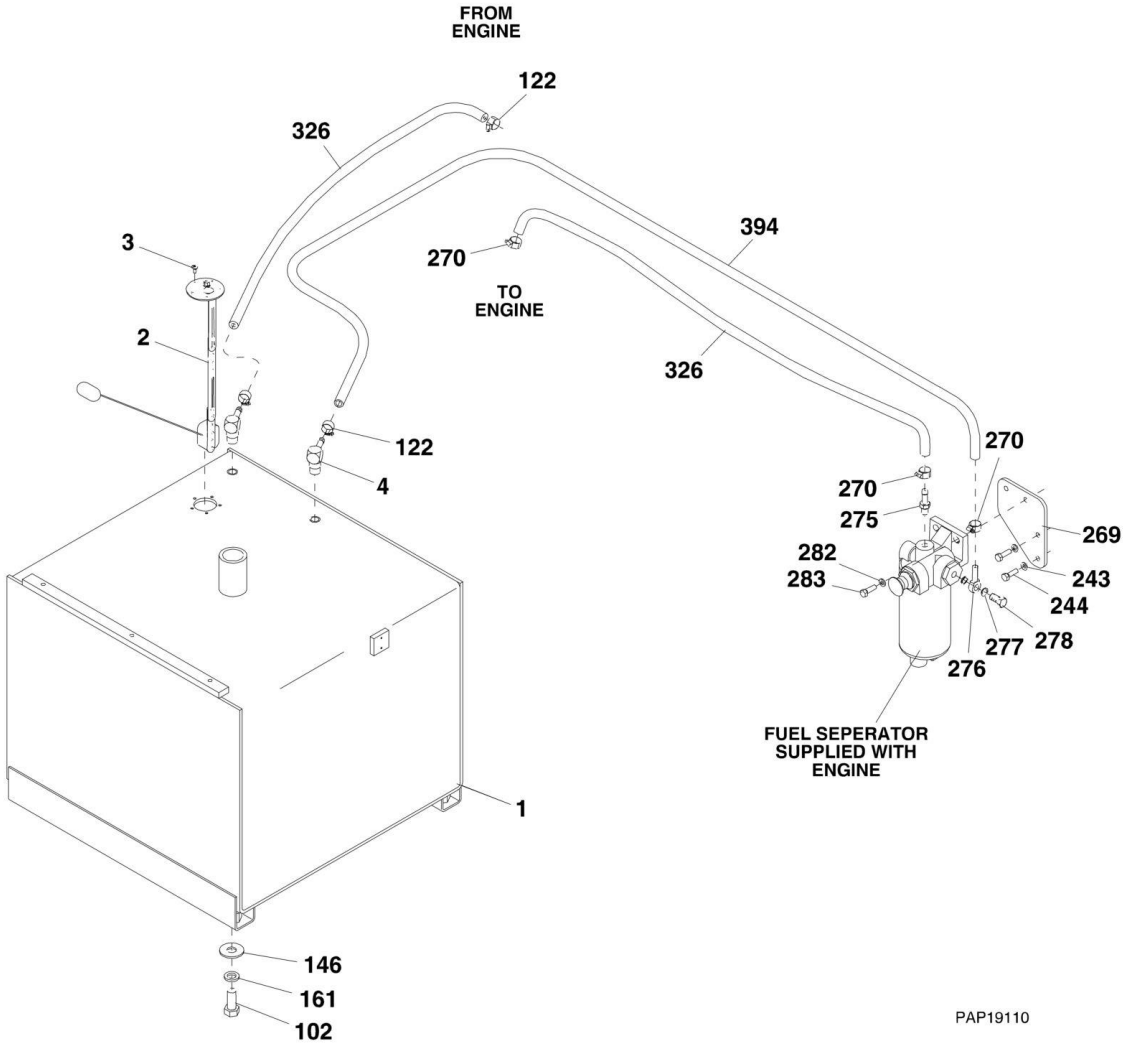
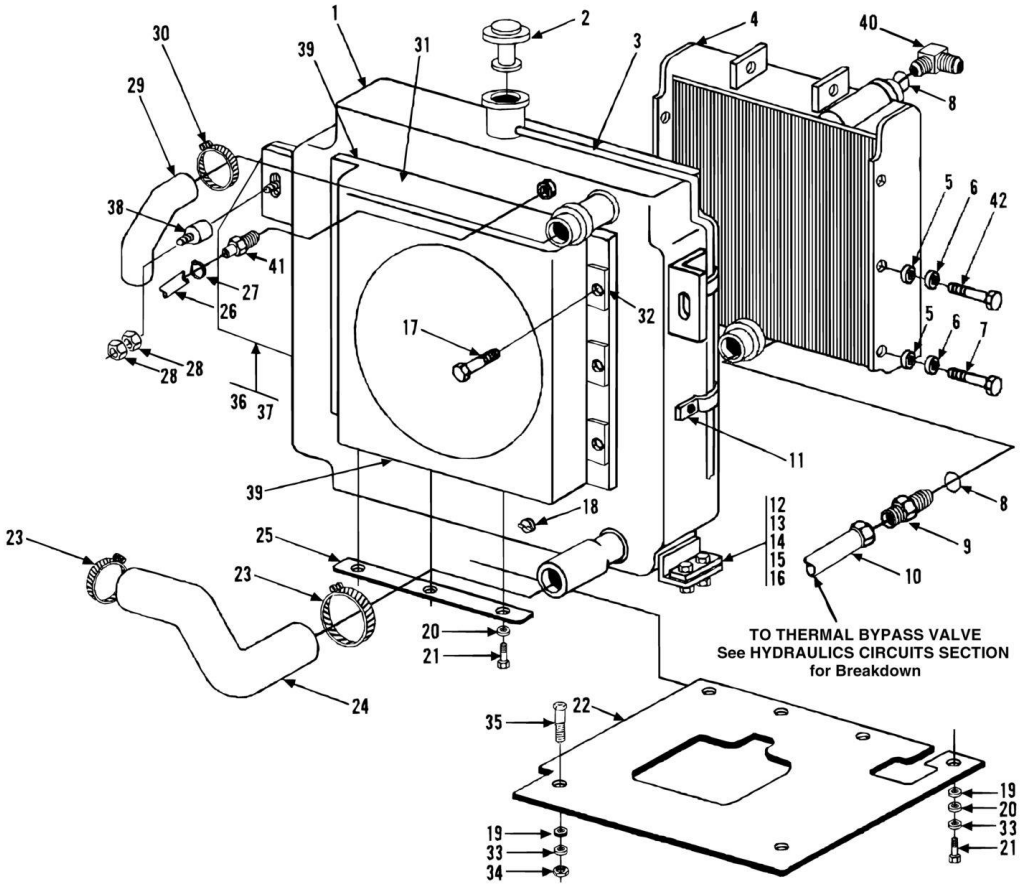


FIGURE 4-39. FUEL TANK LINES (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91155016	1	FUEL TANK ASSY, (includes items 1 thru 4)	E
1	91153031	1	FUEL TANK	
1	86541381	1	FUEL TANK CAP, (w/chain)	
1	88711283	1	HEX SOCKET PIPE PLUG, 1/2	
2	91143316	1	FUEL LEVER SENDER	
3	91083491	5	GASKETED SCREW, #10-32	
4	84712746	2	HOSE NIPPLE, 90, 1/2X/8	
102	0642012	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
122	86883106	3	HOSE CLAMP	
146	4752000	4	WASHER, 5/8	
161	4762000	4	LOCKWASHER, 5/8	
243	4761500	4	LOCKWASHER, 5/16	
244	0641508	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
269	1001101757	1	FUEL SEPERATOR BRACKET	
270	86883106	2	HOSE CLAMP	
275	1001093891	1	HOSE COUPLING	
276	1001105638	1	BANJO ADAPTER	
277	1001105639	2	COPPER CRUSH WASHER	
278	1001105643	1	BANJO SCREW	
282	4711500	2	WASHER, 5/16	
283	0641510	2	HEX HD CAPSCREW, 5/16-18X1/4	
326	2720463	85 in	HOSE, 5/16	
394	1001097568	1	FUEL SUPPLY HOSE	

FIGURE 4-40. RADIATOR ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

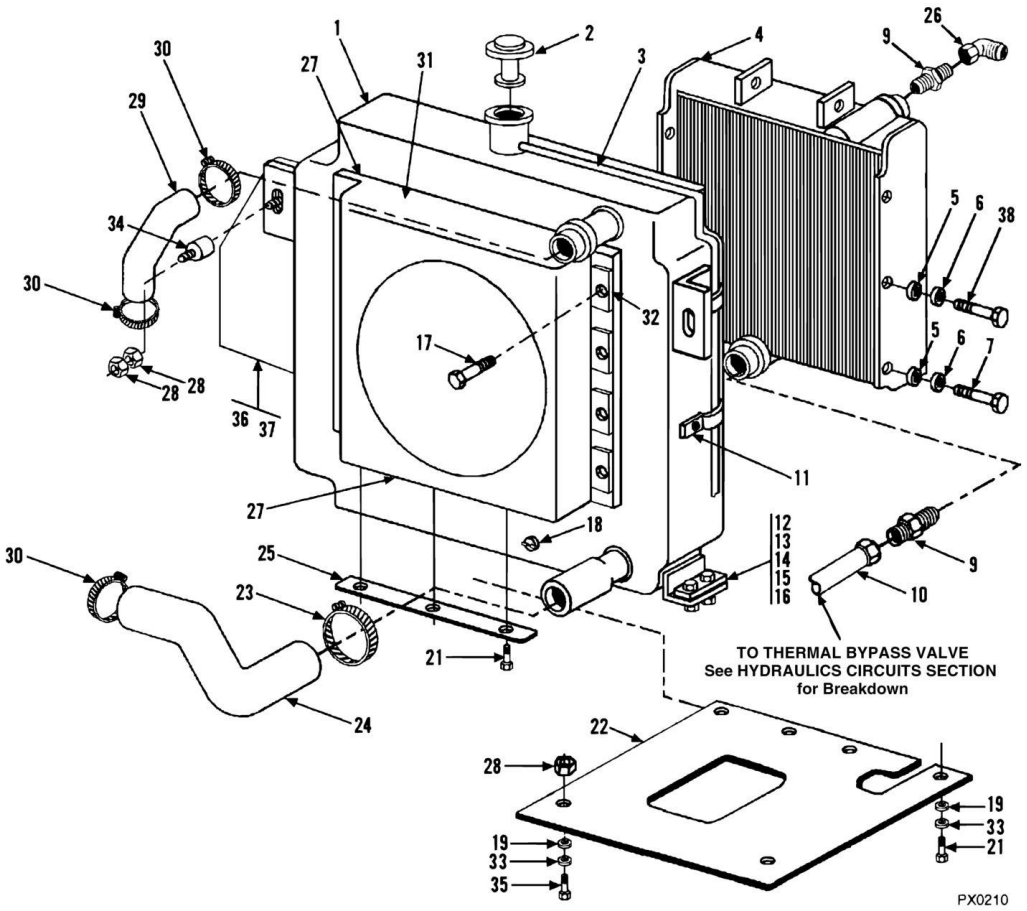


NOTE:
USE FLAT BAR, (ITEM 23), UNDER SHROUD, (ITEM 31), TO HOLD-UP DUST SHIELD, (ITEM 22). USE FLAT WASHERS, (ONE EACH OF ITEMS 19 & 33), UNDER TAB ON SIDE OF SHROUD & BOTH SIDES OF THE FRAME TO SUPPORT THE DUSTSHIELD.

FIGURE 4-40. RADIATOR ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145085	1	RADIATOR ASSY, (includes items 1 thru 9, 11, 15, 17, 18, one of item 23, 24, 29 thru 32 & 39 thru 42)	J
1	91143328	1	RADIATOR, (includes item 2)	
2	91144008	1	RADIATOR CAP	
3	2720058	38 in	HOSE, 5/16 ID	
4	91143029	1	OIL COOLER	
5	88551011	6	LOCKWASHER, 3/8	
6	88561109	4	FLAT WASHER, 3/8	
7	88201034	4	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
8		Ref	O-RING	
9	2220379	1	ADAPTER, (includes item 8)	
10		Ref	HOSE ASSY, (See HYDRAULIC CIRCUITS SECTION, item 47 for Breakdown)	
11	85941016	2	SUPPORT CLAMP	
12	83683308	4	MOUNTING PAD	
13	90205918	4	WASHER	
14	88201037	4	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
15	88561109	4	FLAT WASHER, 3/8	
16	88521206	4	LOCKNUT	
17	77143003	6	WHIZ-LOCK SCREW, 5/16-18X5/8	
18	84521056	1	DRAIN COCK	
19	88561003	3	FLAT WASHER, 5/16	
20	88551010	4	LOCKWASHER, 5/16	
21	88201020	4	HEX HD CAPSCREW, 5/16-18X1, GR5	
22	91143139	1	DUST SHIELD	
23	86883327	2	HOSE CLAMP	
24	91143045	1	LOWER RADIATOR HOSE	
25	91141231	1	FLAT BAR	
26	Bulk	1/4 in	HOSE, 5/16 ID	
27	86883106	2	HOSE CLAMP	
28	77143006	4	WHIZ-LOCKNUT, 5/16-18	
29	91153012	1	UPPER RADIATOR HOSE	
30	85071128	2	HOSE CLAMP	
31	91141485	1	RADIATOR SHROUD	
32	91143348	6	CLAMP BAR	
33	91083533	3	FENDER WASHER	
34	88501005	2	HEX NUT	
35	77143004	2	WHIZ-LOCK SCREW, 5/16-18X1-3/4	
36	91141103	1	LH RADIATOR MOUNT	
36	91141102	1	RH RADIATOR MOUNT	
37	85611278	2	WELD STUD	
38	91033137	2	SHOCK MOUNT	
39	90200755	52 in	GASKA TAPE	
40	2220464	1	ELBOW, (includes item 8)	
41	90030271	1	NIPPLE	
42	88201035	2	HEX HD CAPSCREW, 3/8-16X1, GR5	

FIGURE 4-41. RADIATOR ASSEMBLY (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)



NOTE:
USE FLAT BAR, (ITEM 23), UNDER SHROUD, (ITEM 31), TO HOLD-UP DUST SHIELD, (ITEM 22). USE FLAT WASHERS, (ONE EACH OF ITEMS 19 & 33), UNDER TAB ON SIDE OF SHROUD & BOTH SIDES OF THE FRAME TO SUPPORT THE DUSTSHIELD.

FIGURE 4-41. RADIATOR ASSEMBLY (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535005	1	RADIATOR ASSY, (includes items 1 thru 9, 11, 17, 18, 23, 24, 26, 27, 29, 31, 32, 38 and one of item 30)	D
1	91553004	1	RADIATOR, (includes item 2)	
2	7026442	1	RADIATOR CAP	
3	2720058	38 in	HOSE, 5/15IN	
4	91553002	1	OIL COOLER	
5	88551011	6	LOCKWASHER, 3/8	
6	88561109	4	FLAT WASHER, 3/8	
7	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
9	2220379	2	CONNECTOR, (includes o-ring)	
10		Ref	HOSE ASSY, (See HYDRAULIC CIRCUITS SECTION, item 47 for Breakdown)	
11	85941016	2	SUPPORT CLAMP	
12	83683308	4	MOUNTING PAD	
13	90205918	4	WASHER	
14	88201037	4	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
15	88561109	4	FLAT WASHER, 3/8	
16	88521206	4	LOCKNUT	
17	77143003	8	WHIZ-LOCK SCREW, 5/16-18X5/8	
18	84521056	1	DRAIN COCK	
19	88561003	6	FLAT WASHER, 5/16	
21	91363018	4	WHIZ-LOCK SCREW, 5/16-18X1	
22	91553022	1	DUST SHIELD	
23	86883327	1	HOSE CLAMP	
24	91533004	1	LOWER RADIATOR HOSE	
25	91551019	1	FLAT BAR	
26	2220878	1	ELBOW, 90, (includes o-ring)	
27	90200755	52 in	GASKA TAPE	
28	77143006	6	WHIZ-LOCKNUT, 5/16-18	
29	91533005	1	UPPER RADIATOR HOSE	
30	85071128	3	HOSE CLAMP	
31	91531019	1	RADIATOR SHROUD	
32	91143348	8	CLAMP BAR	
33	91083533	3	FENDER WASHER	
34	91033137	2	SHOCK MOUNT	
35	88201018	2	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
36	91141103	1	LH RADIATOR MOUNT	
36	91141102	1	RH RADIATOR MOUNT	
37	85611278	2	WELD STUD	
38	88201036	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	

FIGURE 4-42. RADIATOR ASSEMBLY (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

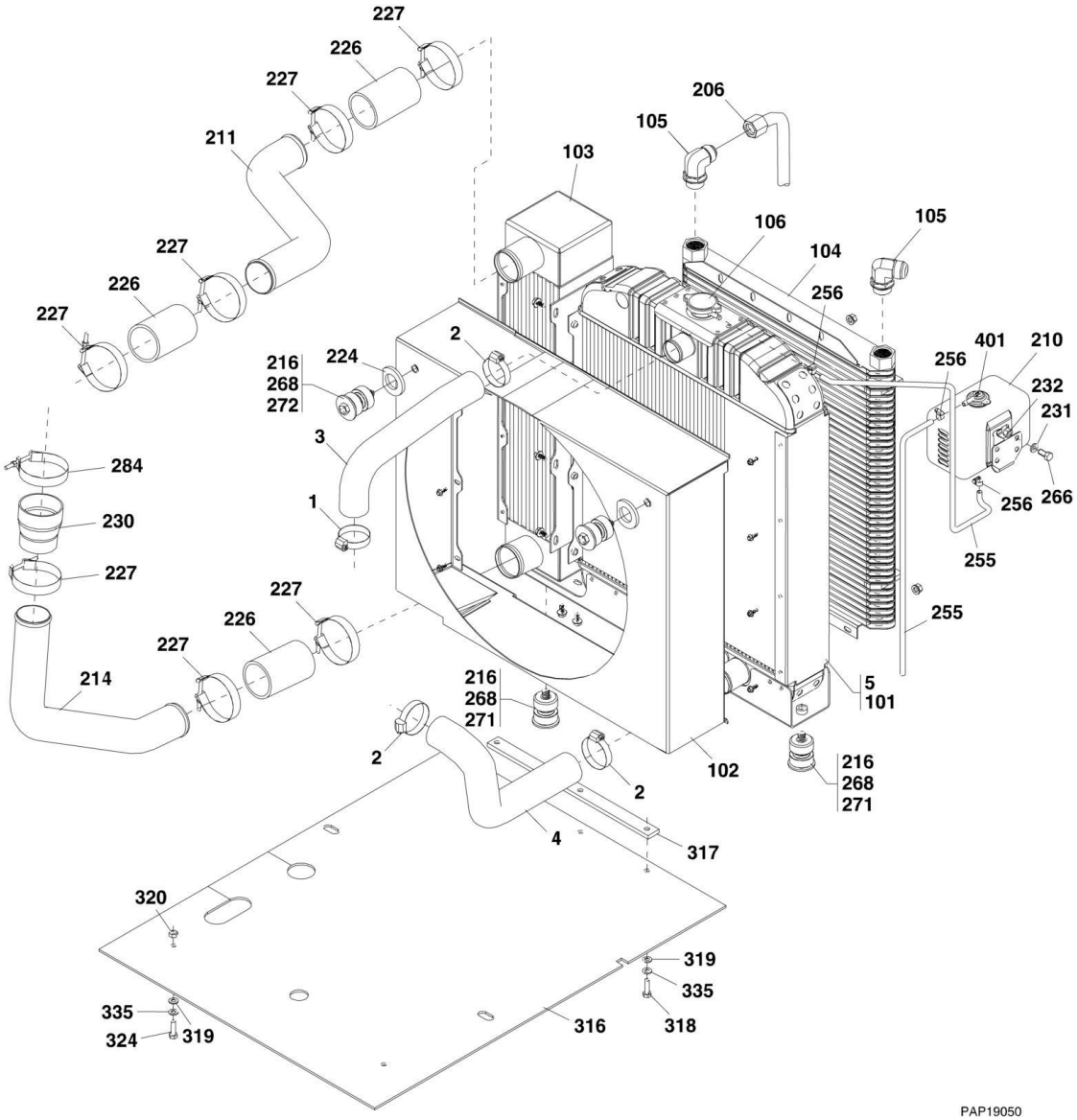
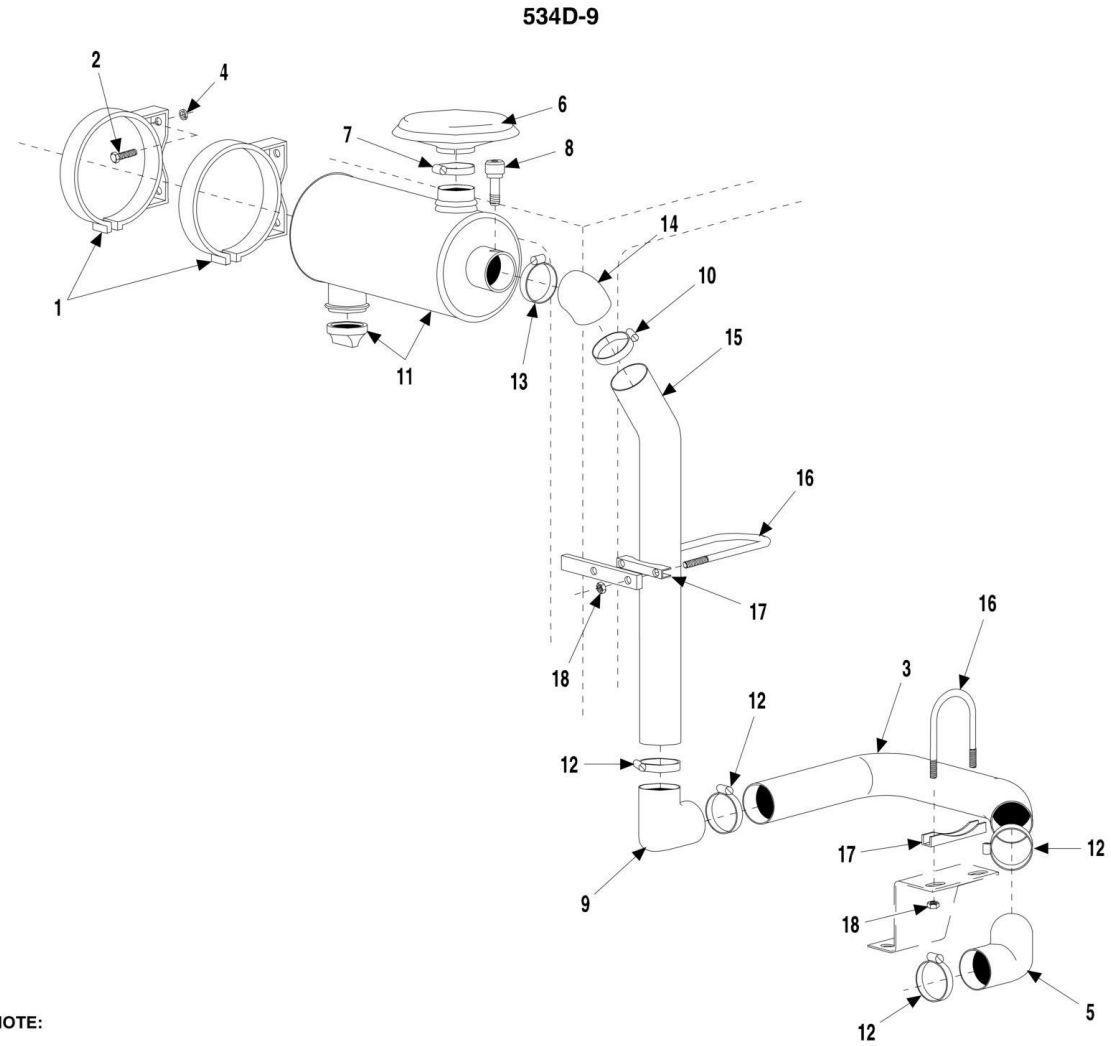


FIGURE 4-42. RADIATOR ASSEMBLY (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093475	1	RADIATOR ASSY, (includes items 2 thru 5)	D
2	8405201	4	CLAMP	
3	1001093472	1	UPPER RADIATOR HOSE	
4	1001093473	1	LOWER RADIATOR HOSE	
5	1001093474	1	RADIATOR, (includes items 101 thru 106)	D
101	70021584	1	RADIATOR	
102	70021585	1	FAN SHROUD ASSY	
103	70021586	1	CHARGE AIR COOLER	
104	70021587	1	HYDRAULIC COOLER	
105	70021588	2	ELBOW, 90	
106	70023058	1	RADIATOR CAP, 15 PSI	
206	1001092238	1	HYDRAULIC HOSE	
210	1001092237	1	OVERFLOW BOTTLE, (includes item 401)	
211	1001093476	1	PIPE	
214	1001093477	1	PIPE	
216	4341409	4	ISOLATOR	
224	4740488	2	KING PIN WASHER	
226	1001114495	3	HUMP HOSE	
227	1001001853	7	BAND CLAMP	
230	2720645	1	REDUCER	
231	4761600	4	LOCKWASHER	
232	3271601	4	HEX NUT, 3/8-16	
255	2720058	52 in	HOSE	
256	1320022	3	BAND CLAMP	
266	0681606	4	HEX HD CAPSCREW, 3/8-16X3/4, GR8	
268	4751800	5	WASHER, 1/2	
271	0641820	2	HEX HD CAPSCREW, 1/2-13X2-1/2, GR5	
272	0641822	2	HEX HD CAPSCREW, 1/2-13X2-3/4, GR5	
284	91163129	1	HEAVY DUTY BAND CLAMP	
316	1001093478	1	DUST SHIELD	
317	91551019	1	FLAT BAR	
318	0791508	4	WHIZ-LOCK SCREW, 5/16-18X1	
319	4751500	6	FLAT WASHER, 5/16	
320	77143006	2	WHIZ-NUT, 5/16-18	
324	88201018	2	HEX HD CAPSCREW, 5/16-18X3/4	
335	91083533	3	FENDER WASHER	
401	70023457	1	CAP, OVERFLOW BOTTLE	

FIGURE 4-43. AIR CLEANER PIPING (534D-9 SN 0544001 through 0544399)



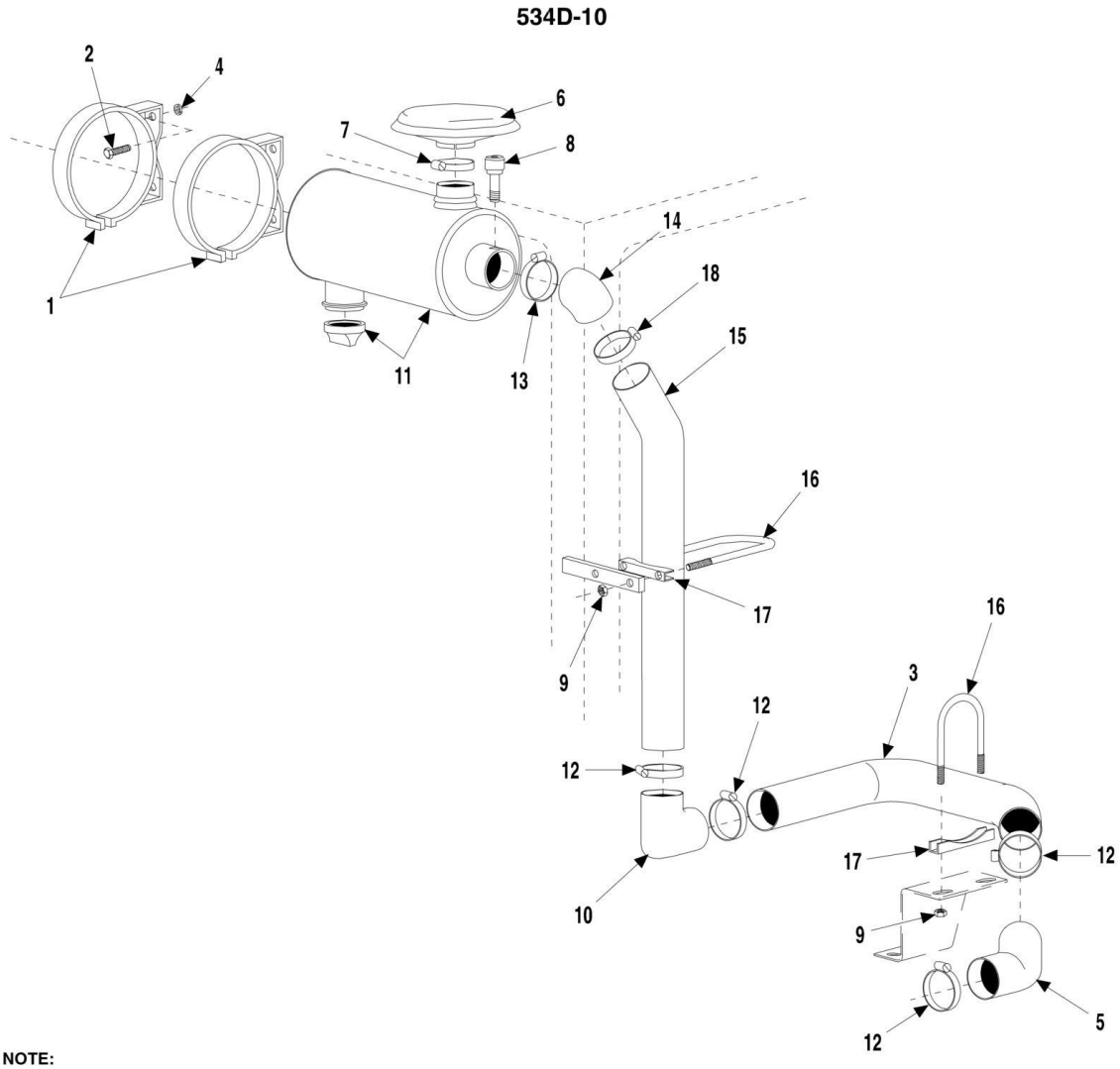
NOTE:

IF YOUR 534D-9 MACHINE IS EQUIPPED WITH METAL AIR CLEANER & TUBING SHOWN ON THIS PAGE, IT IS RECOMMENDED TO REPLACE IT WITH RETRO FIT KIT 91345042, SEE AIR CLEANER PIPING FOR BREAKDOWN, SN 0544400.

FIGURE 4-43. AIR CLEANER PIPING (534D-9 SN 0544001 through 0544399)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	86981533	2	MOUNTING BAND	
2	88201033	4	HEX HD CAPSCREW, 3/8-16X3/4, GR5	
3	91143352	1	AIR INTAKE TUBE, (lower)	
4	88551011	4	LOCKWASHER, 3/8	
5	91153021	1	AIR INTAKE ELBOW	
6	8273257	1	INLET CAP, (includes item 7)	
7		Ref	CLAMP	
8	77383154	1	SERVICE INDICATOR	
9	91083128	1	90, AIR INTAKE ELBOW	
10	91163137	1	HOSE CLAMP	
11		Ref	AIR CLEANER, METAL HOUSING, (See AIR CLEANER for Breakdown)	
12	91163129	4	HOSE CLAMP	
13	77383790	1	BAND CLAMP	
14	91153007	1	REDUCING ELBOW	
15	91143353	1	AIR INTAKE TUBE, (upper)	
16	24921332	2	MUFFLER CLAMP, (includes items 17 & 18)	
17		Ref	BRIDGE	
18		Ref	NUT	

FIGURE 4-44. AIR CLEANER PIPING (534D-10 SN 0366001 through 0366342)



NOTE:

IF YOUR 534D-9 MACHINE IS EQUIPPED WITH METAL AIR CLEANER & TUBING SHOWN ON THIS PAGE, IT IS RECOMMENDED TO REPLACE IT WITH RETRO FIT KIT 91345042, SEE AIR CLEANER PIPING FOR BREAKDOWN, SN 0366343.

FIGURE 4-44. AIR CLEANER PIPING (534D-10 SN 0366001 through 0366342)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	86981533	2	MOUNTING BAND	
2	88201033	4	HEX HD CAPSCREW, 3/8-16X3/4, GR5	
3	91143352	1	AIR INTAKE TUBE, (lower)	
4	88551011	4	LOCKWASHER, 3/8	
5	91153021	1	AIR INTAKE ELBOW	
6	8273257	1	INLET CAP, (includes item 7)	
7		Ref	CLAMP	
8	77383154	1	SERVICE INDICATOR	
9		Ref	NUT	
10	91083128	1	90, AIR INTAKE ELBOW	
11		Ref	AIR CLEANER, METAL HOUSING, (See AIR CLEANER for Breakdown)	
12	91163129	4	HOSE CLAMP	
13	77383790	1	BAND CLAMP	
14	91153007	1	REDUCING ELBOW	
15	91143353	1	AIR INTAKE TUBE, (upper)	
16	24921332	2	MUFFLER CLAMP, (includes items 9 & 17)	
17		Ref	BRIDGE	
18	91163137	1	BAND CLAMP	

FIGURE 4-45. AIR CLEANER PIPING (534D-9 SN 0544400 through 0160000853, Excluding 0160000700; 534D-10 SN 0366343 through 0160000974)

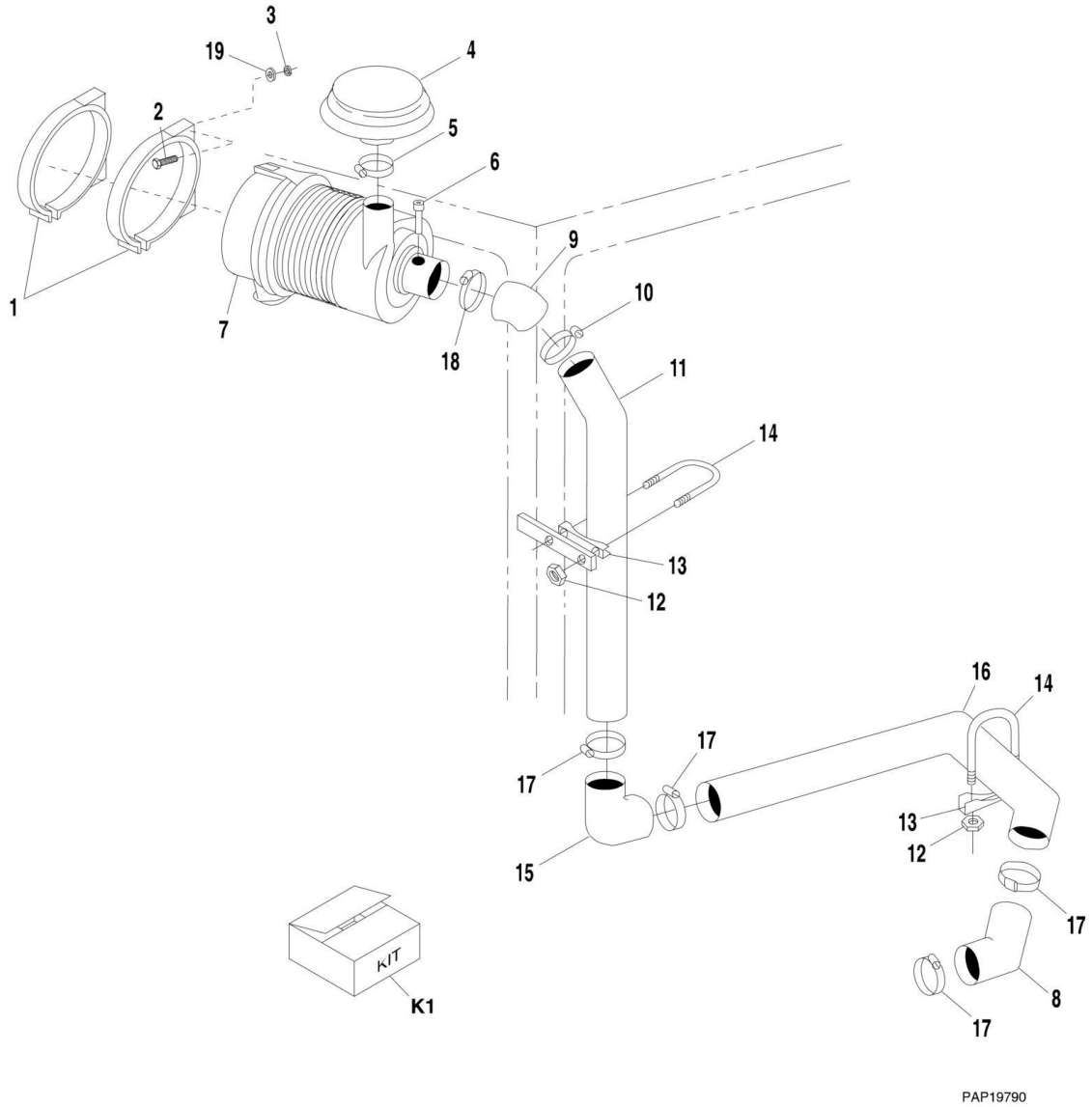


FIGURE 4-45. AIR CLEANER PIPING (534D-9 SN 0544400 through 0160000853, Excluding 0160000700; 534D-10 SN 0366343 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10268516	2	MOUNTING BAND	
2	88201021	4	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
3	88551010	4	LOCKWASHER, 5/16	
4	8273257	1	INLET CAP, (includes item 5)	
5		Ref	CLAMP	
6	77383154	1	SERVICE INDICATOR	
7		Ref	9IN AIR CLEANER, VINYL HOUSING, (See AIR CLEANER for Breakdown)	
8	91153021	1	AIR INTAKE ELBOW	
9	91153007	1	REDUCING ELBOW	
10	91163137	1	HOSE CLAMP	
11	91343023	1	UPPER INTAKE TUBE	
12		Ref	NUT	
13		Ref	BRIDGE	
14	24921332	2	MUFFLER CLAMP, (includes items 12 & 13)	
15	91083128	1	90, AIR INTAKE ELBOW	
16	91143352	1	LOWER INTAKE TUBE	
17	91163129	4	HOSE CLAMP	
18	77383790	1	BAND CLAMP	
19	4751500	4	FLAT WASHER, 5/16	
K1	91345042	1	RETRO FIT KIT, (includes items 1 thru 4, 6, 7, 9, 11, 18, 19, two of item 17 and the following two items)	
K1	88501005	4	HEX NUT, 5/16-18	
K1	91341028	1	TEMPLATE	

FIGURE 4-46. AIR CLEANER PIPING (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

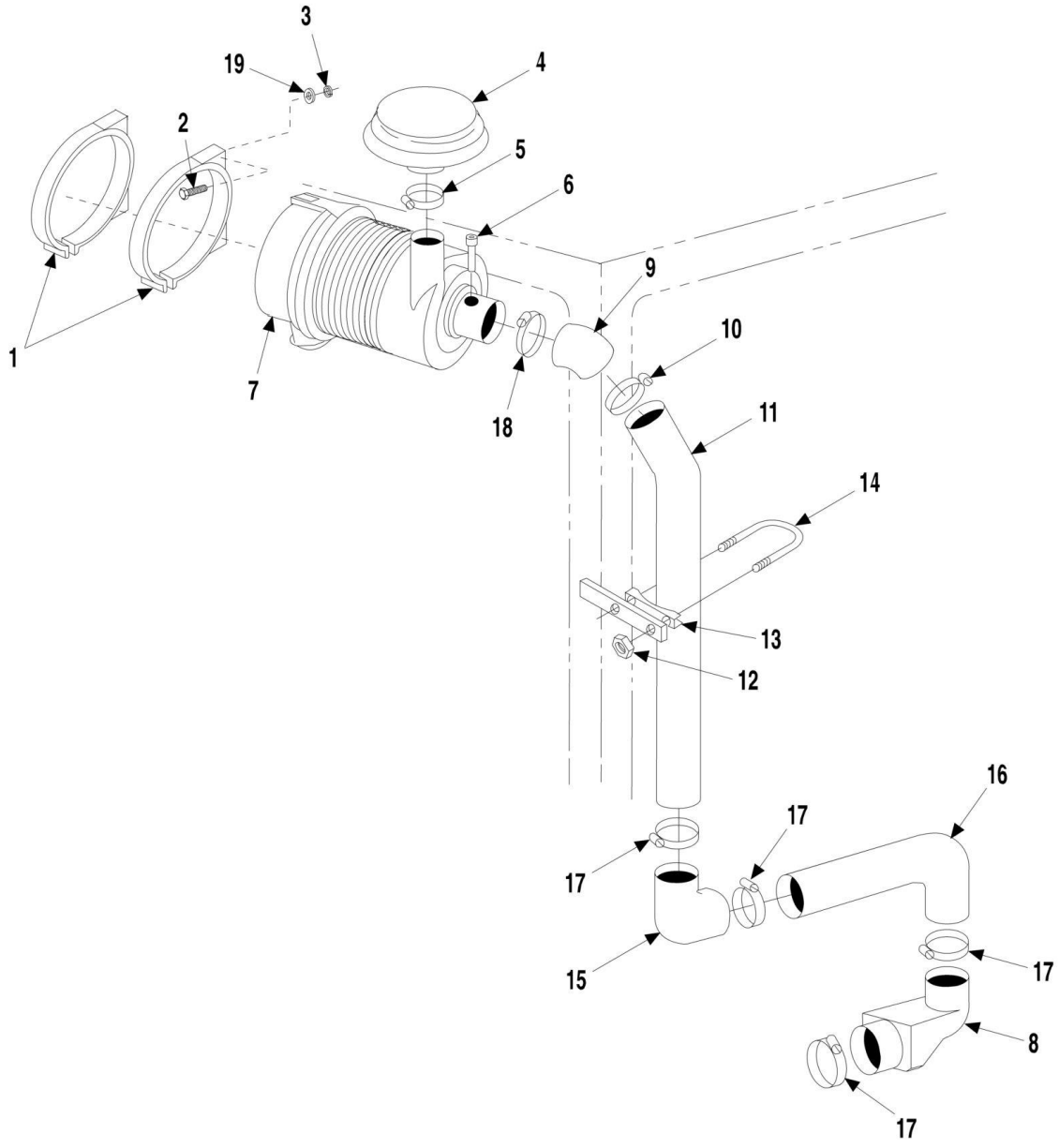


FIGURE 4-46. AIR CLEANER PIPING (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10268516	2	MOUNTING BAND	
2	88201021	4	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
3	88551010	4	LOCKWASHER, 5/16	
4	8273257	1	INLET CAP, (includes item 5)	
5		Ref	CLAMP	
6	77383154	1	SERVICE INDICATOR	
7		Ref	9IN AIR CLEANER, VINYL HOUSING, (See AIR CLEANER for Breakdown)	
8	91553001	1	AIR INTAKE ELBOW	
9	91153007	1	REDUCING ELBOW	
10	91163137	1	HOSE CLAMP	
11	91553014	1	UPPER INTAKE TUBE	
12		Ref	NUT	
13		Ref	BRIDGE	
14	24921332	1	MUFFLER CLAMP, (includes items 12 & 13)	
15	91083128	1	90, AIR INTAKE ELBOW	
16	91553015	1	LOWER INTAKE TUBE	
17	91163129	4	HOSE CLAMP	
18	77383790	1	BAND CLAMP	
19	4751500	4	FLAT WASHER, 5/16	

FIGURE 4-47. AIR CLEANER PIPING (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

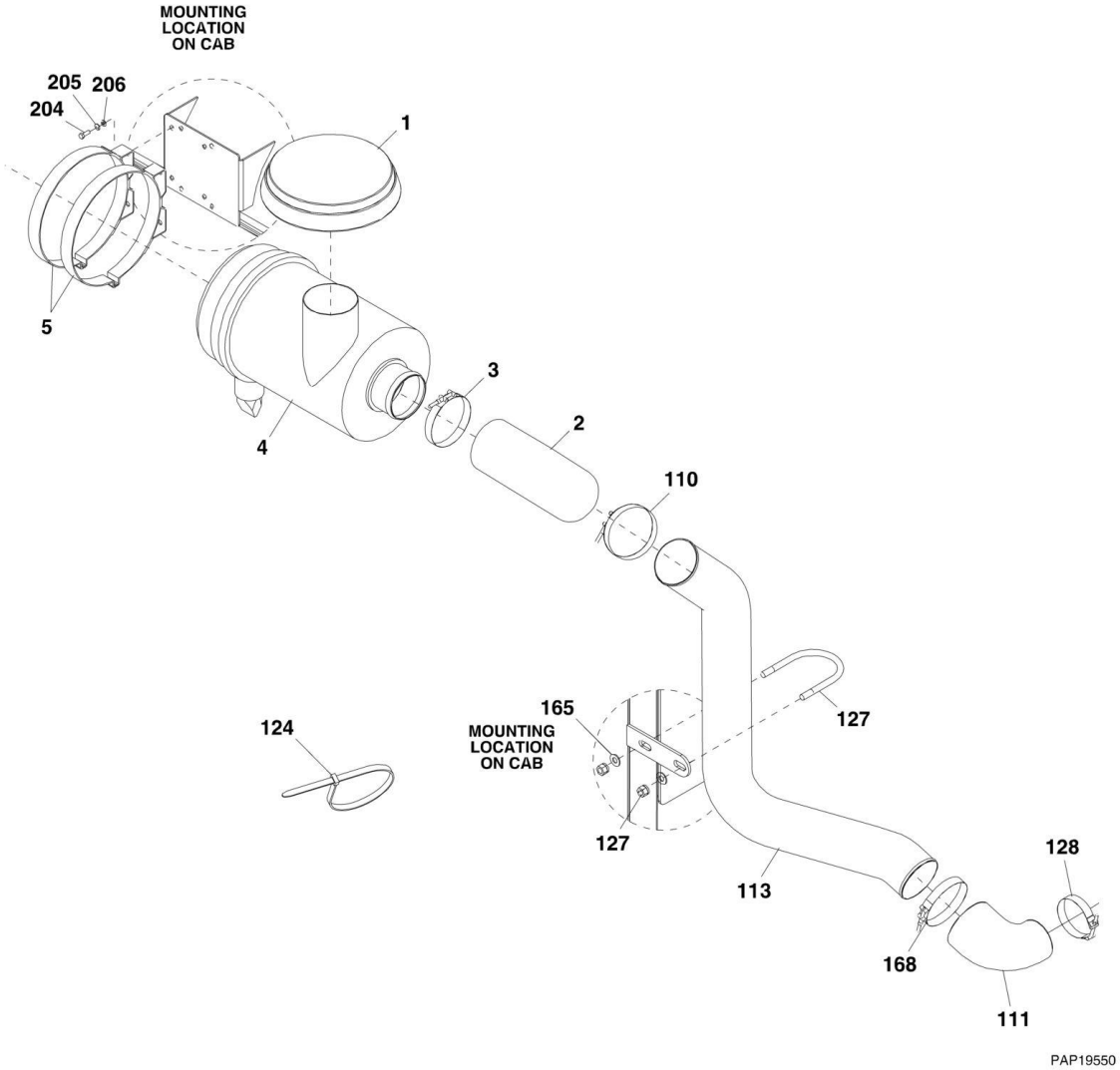
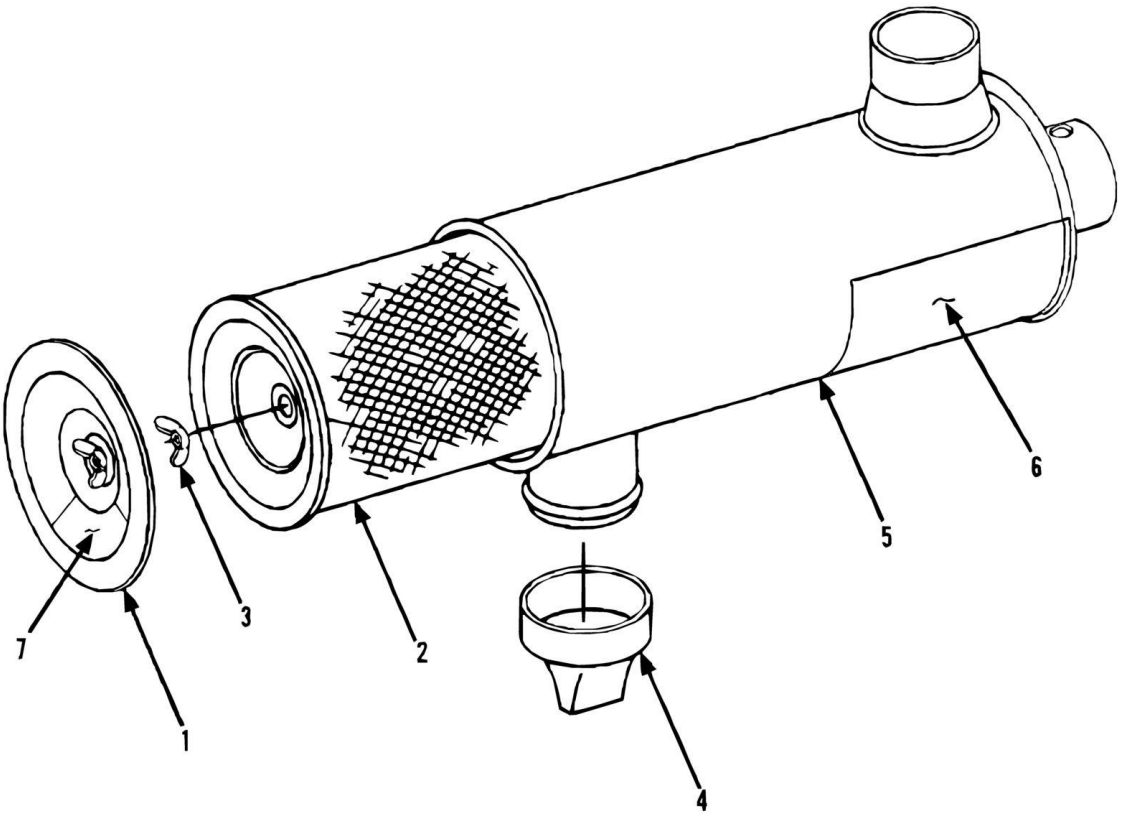


FIGURE 4-47. AIR CLEANER PIPING (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091071	1	AIR FILTER ASSY, 10IN, (includes items 1 thru 5) **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Including 0160035696)**	E
	1001105241	1	AIR FILTER ASSY, 10IN, , (includes items 1 thru 5) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	A
1	8273257	1	AIR INLET HOOD	
2	09523572	1	AIR INTAKE ELBOW, 90	
3	77383790	1	HEAVY DUTY BAND CLAMP	
4		Ref	AIR CLEANER ASSY, (See AIR CLEANER for Breakdown)	
5	1001091069	2	MOUNTING BAND	
110	77383790	1	CLAMP	
111	1001104863	1	INTAKE AIR HOSE	
113	1001091110	1	INTAKE TUBE	
124	4240018	AR	STRAP CABLE	
127	1001104596	1	MUFFLER CLAMP	
128	90028631	1	HEAVY DUTY BAND CLAMP	
165	4711600	2	WASHER, 3/8	
168	80933367	1	HEAVY DUTY BAND CLAMP	
204	88201021	8	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
205	88551010	4	LOCKWASHER, 5/16	
206	4751500	8	FLAT WASHER, 5/16	

FIGURE 4-48. AIR CLEANER (534D-9 SN 0544001 through 0544399; 534D-10 SN 0366001 through 0366342)



NOTE:

IF YOUR 534D-9 MACHINE IS EQUIPPED WITH METAL AIR CLEANER & TUBING SHOWN ON THIS PAGE, IT IS RECOMMENDED TO REPLACE IT WITH RETRO FIT KIT 91345042, SEE AIR CLEANER PIPING FOR BREAKDOWN.

FIGURE 4-48. AIR CLEANER (534D-9 SN 0544001 through 0544399; 534D-10 SN 0366001 through 0366342)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91153006	1	AIR CLEANER, (includes items 1 thru 5)	
1	91154005	1	COVER W/NUT	
2	91154001	1	ELEMENT	
3	90201414	1	WING NUT W/SEAL	
4	90200807	1	VACUATOR	
5	N.S.S.	1	BODY, METAL HOUSING, (not sold separately, order 91153006)	
6	91343015	1	AIR CLEANER DECAL	
7	91363063	1	AIR FILTER DECAL	

FIGURE 4-49. 9IN AIR CLEANER (534D-9 SN 0544400 through 0744407, SN 0160000112 through 0160035941, Excluding 0160034957; 534D-10 SN 0366343 through 0366533, SN 0160000125 through 0160034816)

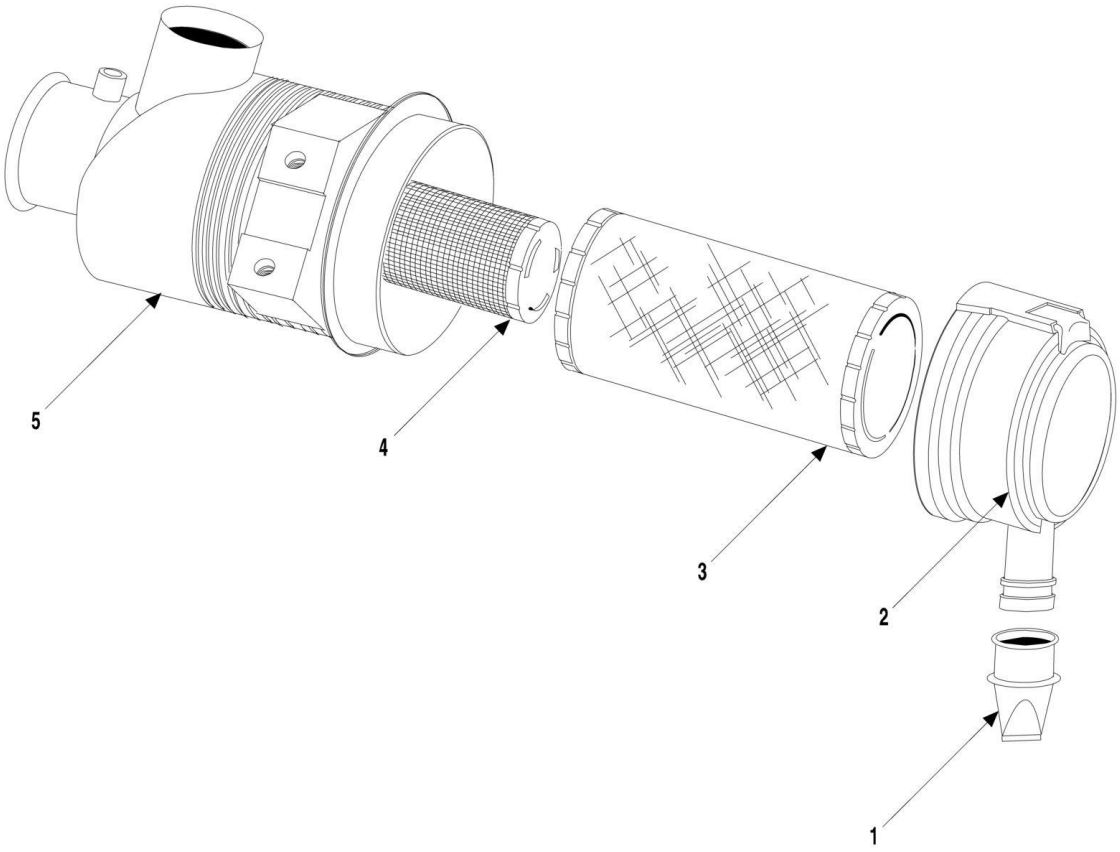


FIGURE 4-49. 9IN AIR CLEANER (534D-9 SN 0544400 through 0744407, SN 0160000112 through 0160035941, Excluding 0160034957; 534D-10 SN 0366343 through 0366533, SN 0160000125 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8273029	1	9IN AIR CLEANER, (includes items 1 thru 5)	
1	80373094	1	VACUATOR VALVE	
2	91364023	1	COVER ASSY	
3	1101312	1	FILTER ELEMENT	
4	1101313	1	SAFETY ELEMENT	
5	N.S.S.	1	BODY, VINYL HOUSING, (not sold separately, order 8273029)	

FIGURE 4-50. AIR CLEANER (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

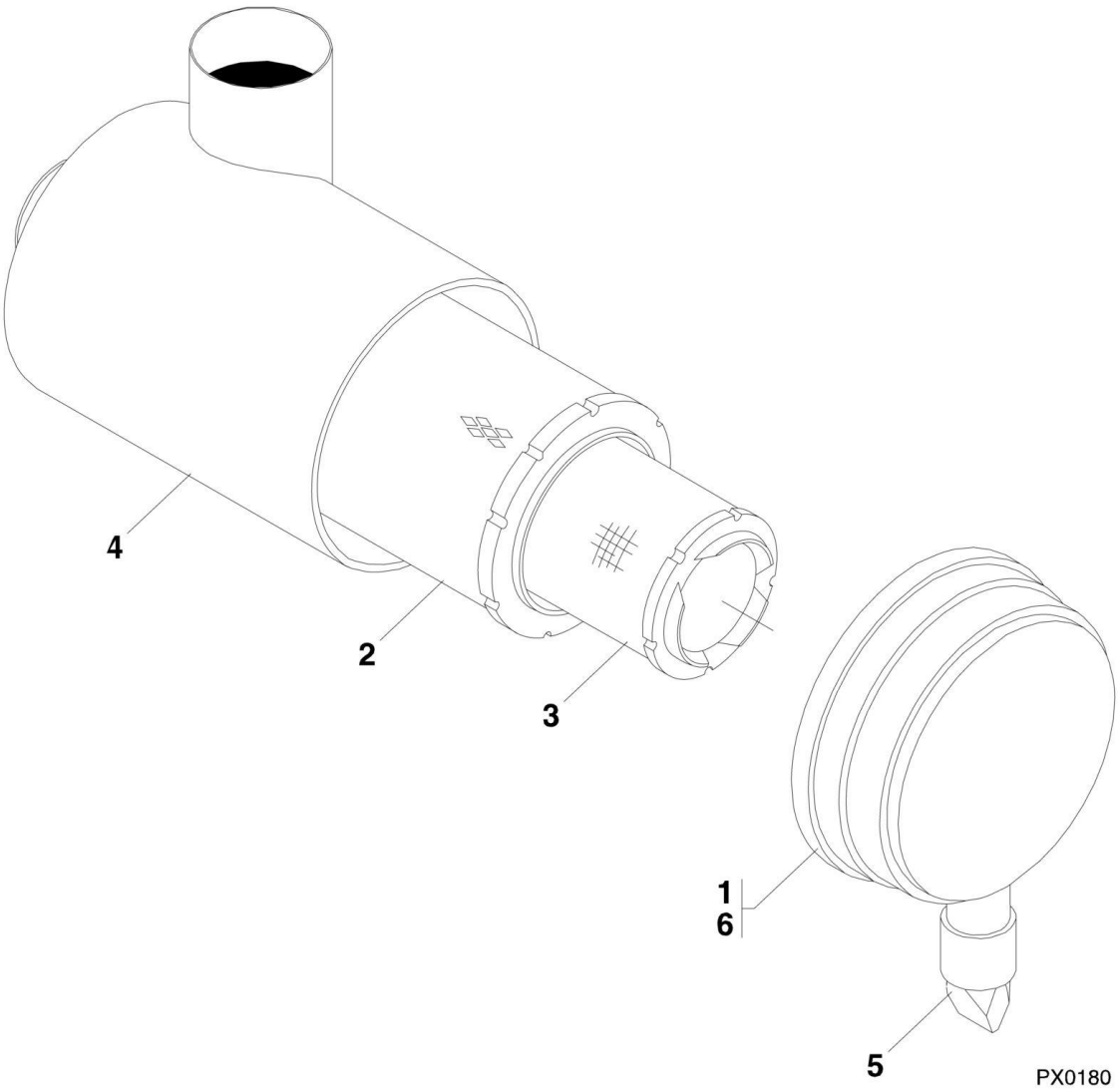


FIGURE 4-50. AIR CLEANER (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091068	1	AIR CLEANER ASSEMLY, 10IN, (includes all items)	A
1	80373090	1	COVER	
2	80373091	1	PIMARY FILTER	
3	80373092	1	SAFETY FILTER	
4	80373093	1	COVER GASKET	
5	80373094	1	VACUATOR VALVE	
6	80373095	3	LATCH	

FIGURE 4-51. EXHAUST SYSTEM (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

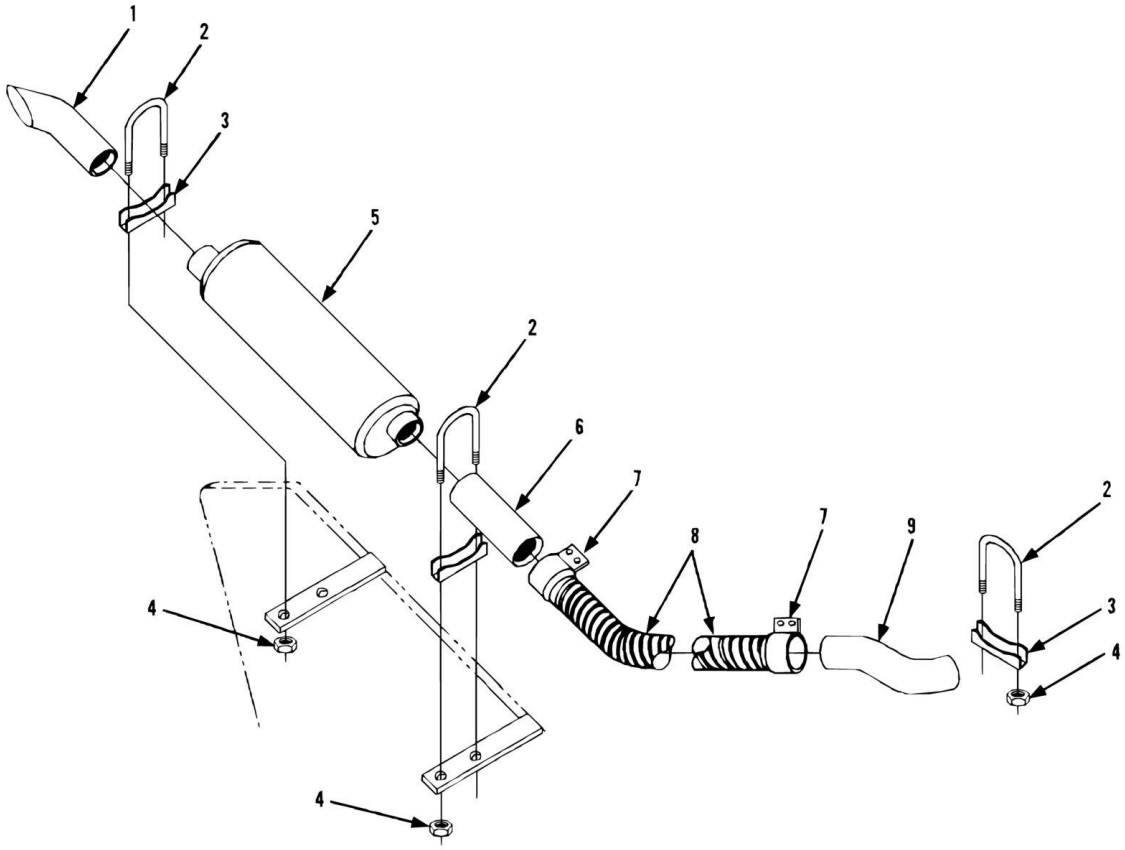


FIGURE 4-51. EXHAUST SYSTEM (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91083560	1	TAIL PIPE	
2	83683175	3	MUFFLER CLAMP, (includes items 3 & 4)	
3		Ref	BRIDGE	
4		Ref	NUT	
5	91083250	1	MUFFLER	
6	91143308	1	EXHAUST TUBE	
7	91163268	2	CLAMP, (includes hardware)	
8	91043150	1	FLEXIBLE TUBING	
9	91146037	1	EXHAUST TUBE	

FIGURE 4-52. EXHAUST SYSTEM (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

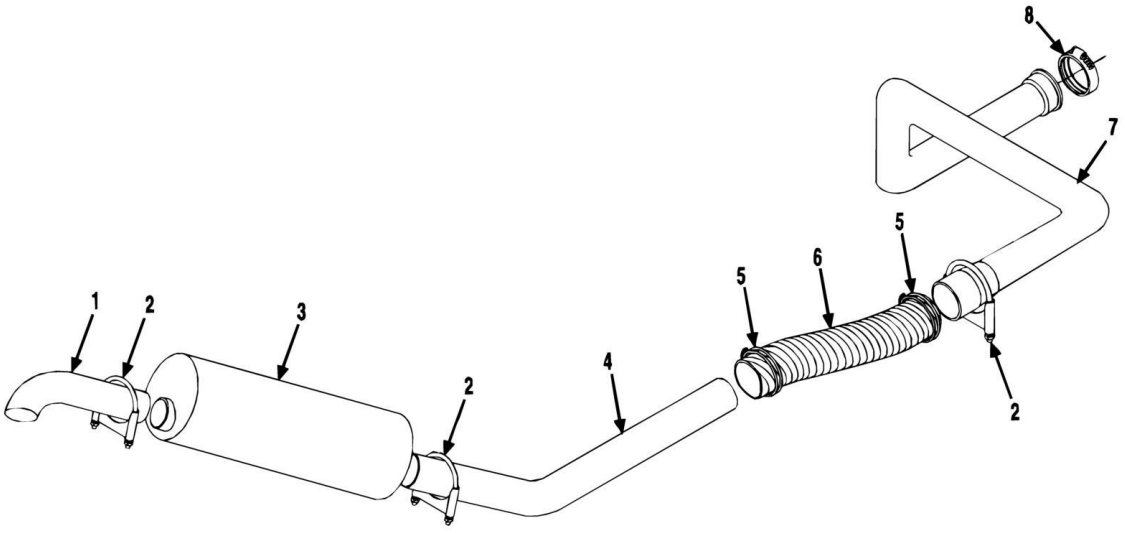


FIGURE 4-52. EXHAUST SYSTEM (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91363201	1	TAIL PIPE	
2	24921332	3	MUFFLER CLAMP	
3	91163035	1	MUFFLER	
4	91553017	1	EXHAUST TUBE	
5	91403601	2	FLEX PIPE CLAMP	
6	91413030	1	FLEXIBLE TUBING	
7	91553060	1	EXHAUST TUBE	
8	91403216	1	V-BAND CLAMP	

FIGURE 4-53. EXHAUST SYSTEM (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

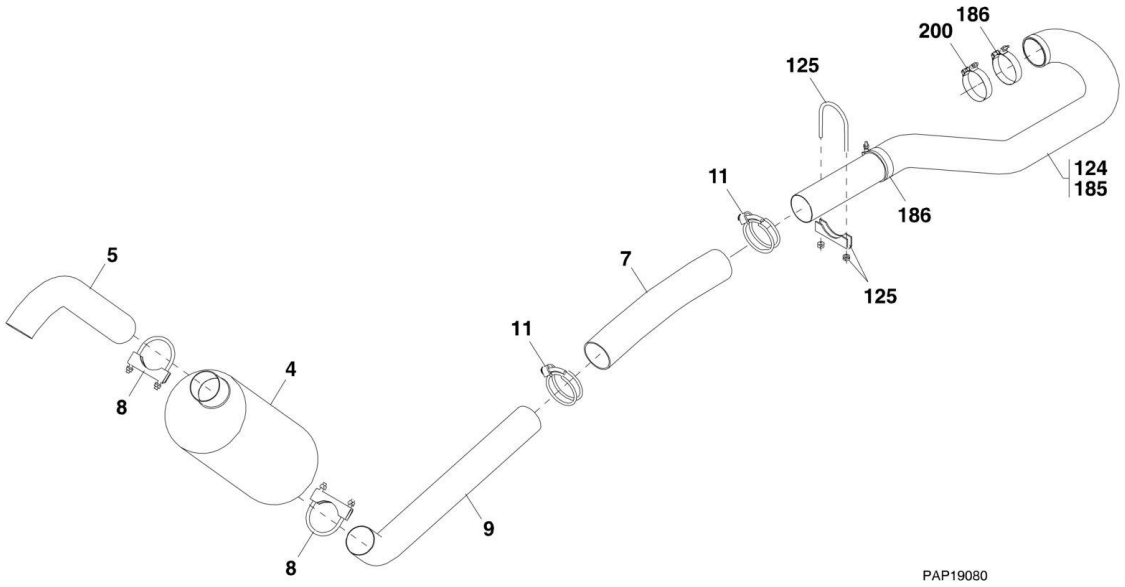


FIGURE 4-53. EXHAUST SYSTEM (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	91163035	1	MUFFLER	
5	91363201	1	TAIL PIPE	
7	91413030	1	FLEXIBLE TUBING	
8	8275247	2	MUFFLER CLAMP	
9	91553017	1	EXHAUST TUBE	
11	91403601	2	PIPE CLAMP	
124	1001091104	1	EXHAUST TUBE	
125	8275247	1	MUFFLER CLAMP	
185	4100109	36 in	FIBERGLASS SLEEVE	
186	90028488	2	CLAMP	
200		Ref	V-BAND CLAMP, EXHAUST OUTLET, (See CUMMINS ENGINE for Breakdown)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. FRONT AXLE ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

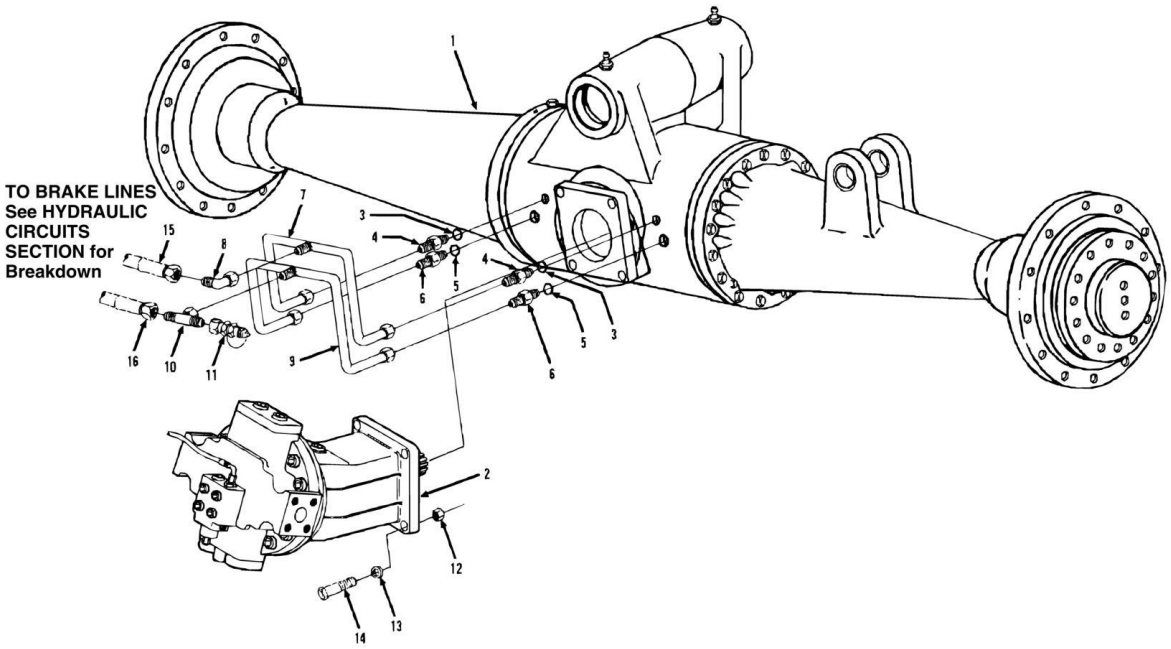


FIGURE 5-1. FRONT AXLE ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145119	1	FRONT AXLE ASSY, (includes all items except 15 & 16)	
1		Ref	FRONT AXLE, (See FRONT AXLE – ROCKWELL for Breakdown)	
2		Ref	FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88591205	2	O-RING	
4	2220373	2	CONNECTOR, (includes item 3)	
5	88591204	2	O-RING	
6	2220371	2	CONNECTOR, (includes item 5)	
7	91123130	1	PARK BRAKE TUBE LINE	
8	88662106	1	ELBOW, 90, (swivel nut)	
9	91123127	1	SERVICE BRAKE TUBE LINE	
10	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
11	91143172	1	MINI CHECK VALVE	
12	77383580	4	HIGH NUT, 3/4-1, (torque nuts to 265-290 ft lbs)	
13	90027473	4	HARD WASHER, 3/4	
14	88201616	4	HEX HD CAPSCREW, 3/4-6X3-1/2, GR5	
15		Ref	HOSE ASSY, (to parking brake), (See HYDRAULIC CIRCUITS for Breakdown)	
16		Ref	HOSE ASSY, (to service brake), (See HYDRAULIC CIRCUITS for Breakdown)	

FIGURE 5-2. FRONT AXLE - ROCKWELL (534D-9 SN 0544001 through 0744134; 534D-10 SN 0366001 through 0366488)

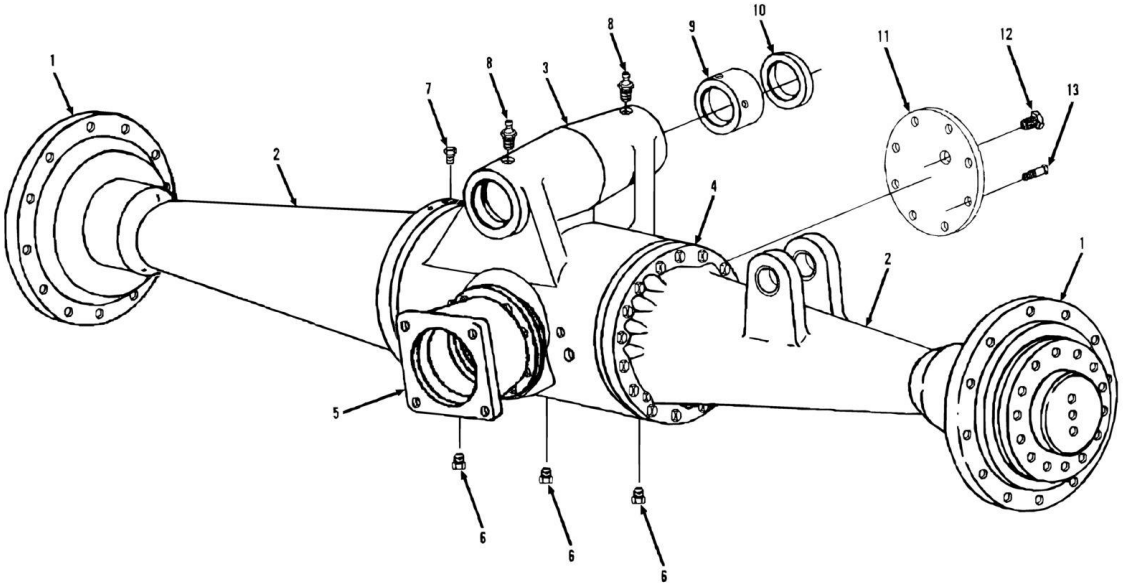


FIGURE 5-2. FRONT AXLE - ROCKWELL (534D-9 SN 0544001 through 0744134; 534D-10 SN 0366001 through 0366488)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143199	1	FRONT AXLE, (includes all items on See FRONT AXLE – ROCKWELL, LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES – ROCKWELL and BRAKE ASSEMBLY – ROCKWELL for Breakdown)	
1		Ref	WHEEL FLANGE ASSY, (See LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES – ROCKWELL for Breakdown)	
2		Ref	LEFT AND RIGHT HOUSING ASSY, (See LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES – ROCKWELL for Breakdown)	
3	91144326	1	CENTER HOUSING ASSY, (includes item 9)	
4		Ref	BRAKE ASSY, (See BRAKE ASSEMBLY – ROCKWELL for Breakdown)	
5		Ref	CARRIER ASSY, (See CARRIER ASSEMBLY – ROCKWELL for Breakdown)	
6	91144327	3	DRAIN PLUG	
7	91144328	1	VENT PLUG	
8	91144329	2	LUBE FITTING	
9	91084046	2	BUSHING	
10	91084047	2	TRUNNION OIL SEAL	
11	91141511	1	COVER	
12	2200224	1	LEVEL PLUG	
13	91144332	8	CAPSCREW, M8X1.25X16.0	

FIGURE 5-3. FRONT AXLE - ROCKWELL (534D-9 SN 0744135 through 0160000446; 534D-10 SN 0366489 through 0160000446)

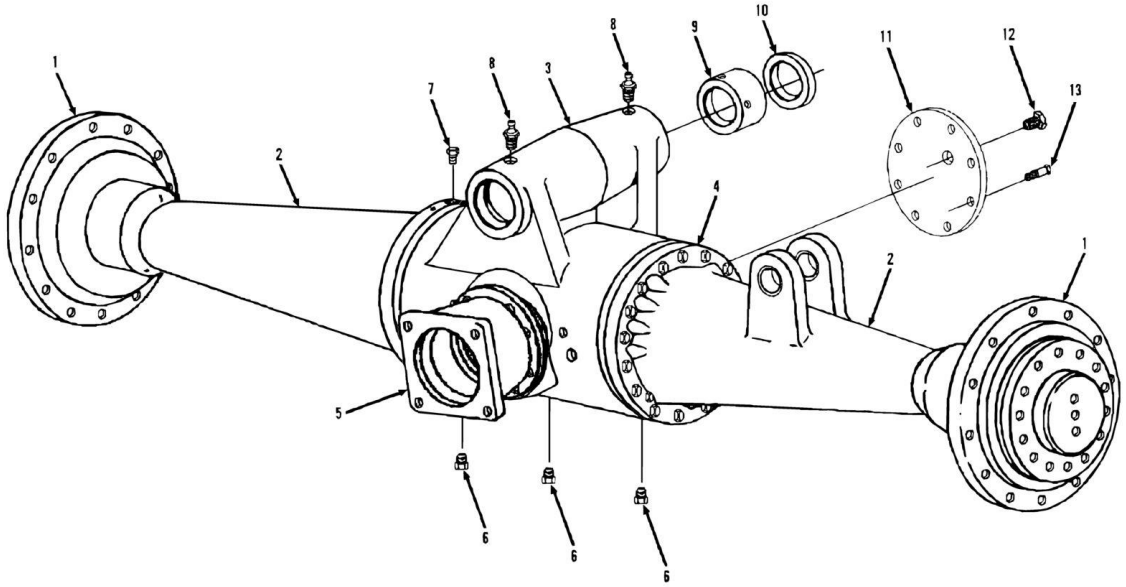


FIGURE 5-3. FRONT AXLE - ROCKWELL (534D-9 SN 0744135 through 0160000446; 534D-10 SN 0366489 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91123119	1	FRONT AXLE, (includes all items on See FRONT AXLE – ROCKWELL, LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES – ROCKWELL and BRAKE ASSEMBLY – ROCKWELL for Breakdown)	
1		Ref	WHEEL FLANGE ASSY, (See LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES – ROCKWELL for Breakdown)	
2		Ref	LEFT AND RIGHT HOUSING ASSY, (See LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES – ROCKWELL for Breakdown)	
3	91144326	1	CENTER HOUSING ASSY, (includes item 9)	
4		Ref	BRAKE ASSY, (See BRAKE ASSEMBLY – ROCKWELL for Breakdown)	
5		Ref	CARRIER ASSY, (See CARRIER ASSEMBLY – ROCKWELL for Breakdown)	
6	91144327	3	DRAIN PLUG	
7	91144328	1	VENT PLUG	
8	91144329	2	LUBE FITTING	
9	91084046	2	BUSHING	
10	91084047	2	TRUNNION OIL SEAL	
11	91141511	1	COVER	
12	2200224	1	LEVEL PLUG	
13	91144332	8	CAPSCREW, M8X1.25X16.0	

FIGURE 5-4. LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

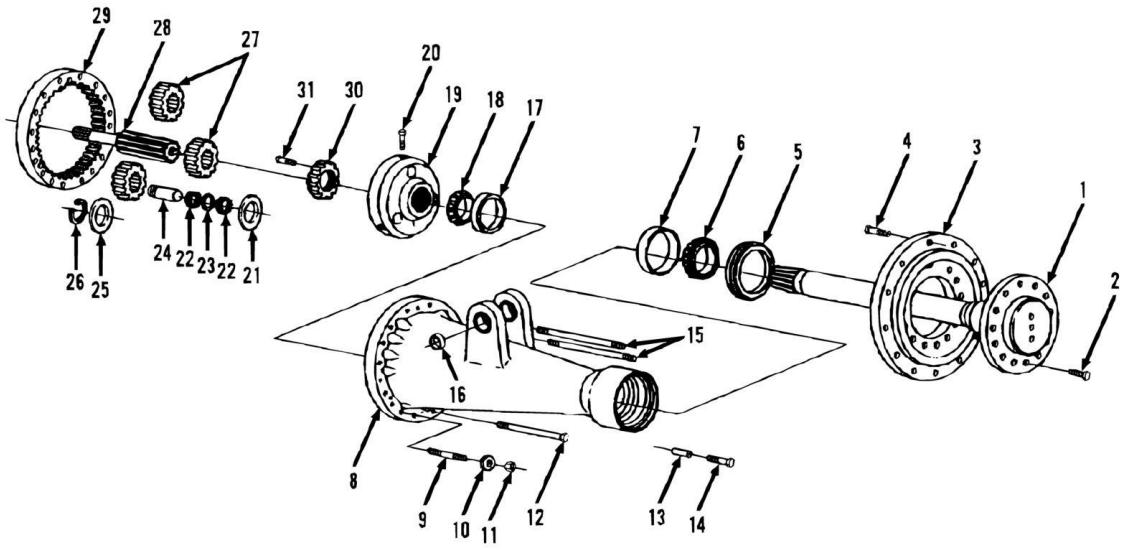
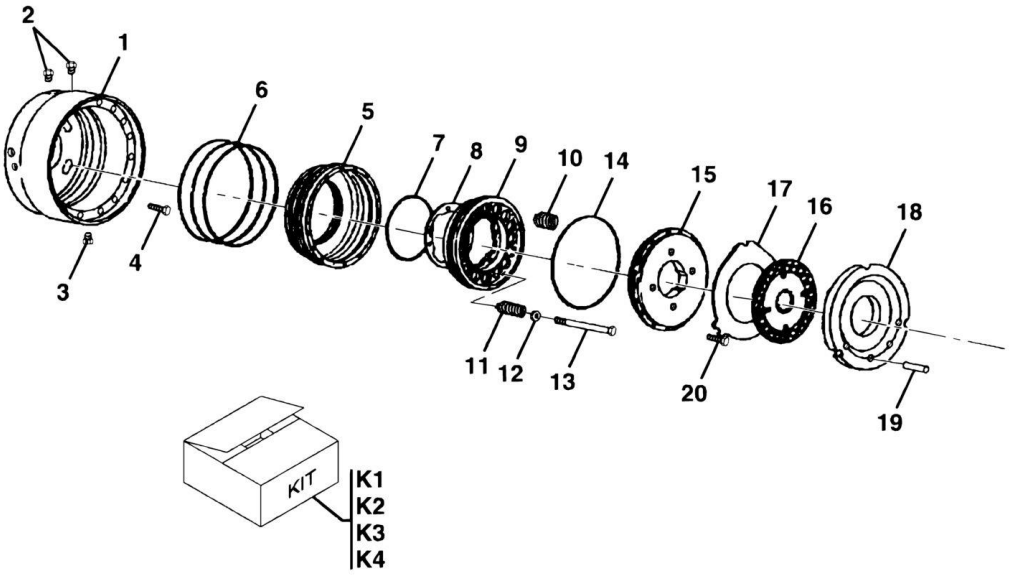


FIGURE 5-4. LEFT AND RIGHT HOUSING AND AXLE AND WHEEL FLANGE ASSEMBLIES - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91144333	2	AXLE SHAFT ASSY, (includes items 2, 3, 4 & 5)	
2	91144334	28	CAPSCREW, M20X1.5X50.0	
3	91144335	2	WHEEL FLANGE ASSY (includes item 4)	
4	90203543	24	WHEEL BOLT	
5	91144336	2	SHAFT OIL SEAL	
6	86984451	2	BEARING CONE	
7	86984452	2	BEARING CUP	
8	91144337	1	HOUSING ASSY - RIGHT SIDE, (shown), (includes items 7, 16 & 17)	
8	91144338	Ref	RING GEAR AND HOUSING ASSY - RIGHT SIDE, (shown), (includes items 7, 16, 17 & 29)	
8	91144339	1	HOUSING ASSY - LEFT SIDE, (not shown), (includes items 7 & 17)	
8	91144340	Ref	RING GEAR AND HOUSING ASSY - LEFT SIDE, (not shown), (includes items 7, 17 & 29)	
9	91144341	4	SET SCREW	
10	91144342	32	WASHER	
11	91144343	8	NUT, M14X1.5-6H	
12	91144344	14	CAPSCREW - RIGHT SIDE, M14X1.5X212.0	
12	91144345	14	CAPSCREW - LEFT SIDE, M14X1.5X120.0	
13	91144346	2	SPACER - 19mm	
13	91144347	4	SPACER - 26mm	
14	91144348	4	CAPSCREW - USE W/26mm SPACER, M14X1.5X85, (position at 7 & 5 o'clock)	
14	91144349	2	CAPSCREW - USE W/19mm SPACER, M14X1.5X78, (position at 12 o'clock)	
15	91144350	2	STUD - RIGHT SIDE, M14X1.5X232.0	
15	91144351	2	STUD - LEFT SIDE, M14X1.5X112.0	
16	91144352	2	BUSHING	
17	91144353	2	BEARING CUP	
18	91144354	2	BEARING CONE	
19	91144355	2	SPIDER ASSY, (includes items 20 & 24)	
20	91144356	6	CAPSCREW, M10X23.0	
21	91144357	6	THRUSTWASHER	
22	91144358	6	KIT ROLLER	
23	91144359	6	SPACER	
24	91144360	6	PLANETARY PINION SHAFT	
25	91144361	6	WASHER	
26	91144362	6	SNAP RING	
27	91144363	6	PLANETARY PINION	
28	91144364	1	SUN GEAR, (287.0mm) - RIGHT SIDE, (shown)	
28	91144365	1	SUN GEAR, (247.0mm) - LEFT SIDE, (not shown)	
29	91144366	2	RING GEAR	
30	91144367	2	ADJUSTING NUT	
31	91144368	2	CAPSCREW, (adjusting nut lock)	

FIGURE 5-5. BRAKE ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0744134; 534D-10 SN 0366001 through 0366488)

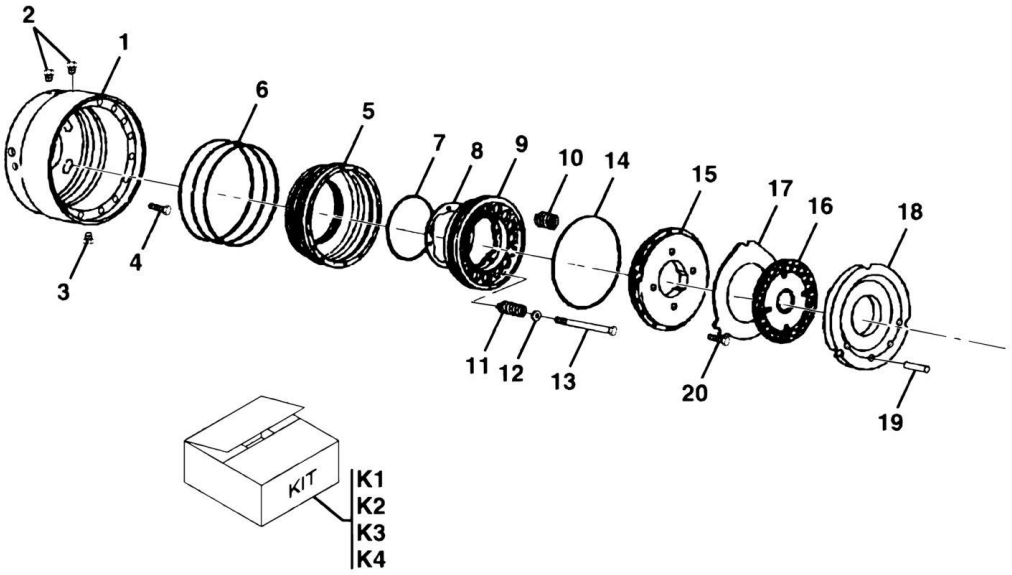


PAP19800

FIGURE 5-5. BRAKE ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0744134; 534D-10 SN 0366001 through 0366488)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91144372	1	BRAKE HOUSING, (right side only - left side included in center housing)	
2	91144373	4	HYDRAULIC LINE BLEEDER	
3		Ref	DRAIN PLUG, (See FRONT AXLE – ROCKWELL for Breakdown)	
4	91144374	3	CAPSCREW - RIGHT SIDE ONLY, M8X1.25X40.0	
5	91144375	2	BRAKE PISTON AND PLATE ASSY, (includes items 6, 7, 9, 10, 14, 15 & 20)	
6	Kit	6	O-RING	
7	Kit	2	O-RING	
8	Kit	8	SHIM, (0.075), (included in 91144371)	
8	Kit	8	SHIM, (0.125), (included in 91144371)	
8	Kit	8	SHIM, (0.255), (included in 91144371)	
8	Kit	8	SHIM, (0.555), (included in 91144371)	
9	91144376	2	BRAKE PISTON	
10	91144377	32	SPRING	
11	91144378	16	SPRING	
12	86881421	16	WASHER	
13	91144379	16	RETURN SPRING BOLT	
14	Kit	2	O-RING	
15	91144450	2	BRAKE ACTUATING PLATE	
16	91144451	8	FRICTION DISC	
17	91144452	8	STATIONARY DISC	
18	91144453	2	BRAKE REACTION PLATE	
19	91144380	6	BRAKE DISC LOCKPIN	
20	91144381	42	CAPSCREW, M6X1.0X12.0, (allen)	
K1	91144442	Ref	BRAKE SEAL KIT, (includes items 6, 7 & 14) (services both sides)	
K2	91144369	Ref	BRAKE PISTON PLATE KIT, (includes items 15, 16, 17 & 18) (services one side)	
K3	91144370	Ref	BRAKE PLATE AND SEAL KIT, (includes items 6, 7, 14, 15, 16, 17 & 18) (services one side)	
K4	91144371	Ref	PISTON BRAKE SHIM KIT, (includes item 8) (services one side)	

FIGURE 5-6. BRAKE ASSEMBLY - ROCKWELL (534D-9 SN 0744135 through 0160000446; 534D-10 SN 0366489 through 0160000446)



PAP19800

FIGURE 5-6. BRAKE ASSEMBLY - ROCKWELL (534D-9 SN 0744135 through 0160000446; 534D-10 SN 0366489 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91144372	1	BRAKE HOUSING, (right side only - left side included in center housing)	
2	91144373	4	HYDRAULIC LINE BLEEDER	
3		Ref	DRAIN PLUG, (See FRONT AXLE – ROCKWELL for Breakdown)	
4	91144374	3	CAPSCREW - RIGHT SIDE ONLY, M8X1.25X40.0	
5	91124094	2	BRAKE PISTON AND PLATE ASSY, (includes items 6, 7, 9, 10, 14, 15 & 20)	
6	Kit	6	O-RING	
7	Kit	2	O-RING	
8	Kit	8	SHIM, (0.075), (included in shim kit)	
8	Kit	8	SHIM, (0.125), (included in shim kit)	
8	Kit	8	SHIM, (0.255), (included in shim kit)	
8	Kit	8	SHIM, (0.555), (included in shim kit)	
9	91144376	2	BRAKE PISTON	
10	91144377	24	SPRING	
11	91144378	16	SPRING	
12	86881421	16	WASHER	
13	91144379	16	RETURN SPRING BOLT	
14	Kit	2	O-RING	
15	91144450	2	BRAKE ACTUATING PLATE	
16	91144451	8	FRICTION DISC	
17	91144452	8	STATIONARY DISC	
18	91144453	2	BRAKE REACTION PLATE	
19	91144380	6	BRAKE DISC LOCKPIN	
20	91144381	42	CAPSCREW, M6X1.0X12.0, (allen)	
K1	91144442	Ref	BRAKE SEAL KIT, (includes items 6, 7 & 14), (services both sides)	
K2	91144369	Ref	BRAKE PISTON PLATE KIT, (includes items 15, 16, 17 & 18), (services one side)	
K3	91144370	Ref	BRAKE PLATE AND SEAL KIT, (includes items 6, 7, 14, 15, 16, 17 & 18), (services one side)	
K4	91144371	Ref	PISTON BRAKE SHIM KIT, (includes item 8), (services one side)	

FIGURE 5-7. CARRIER ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

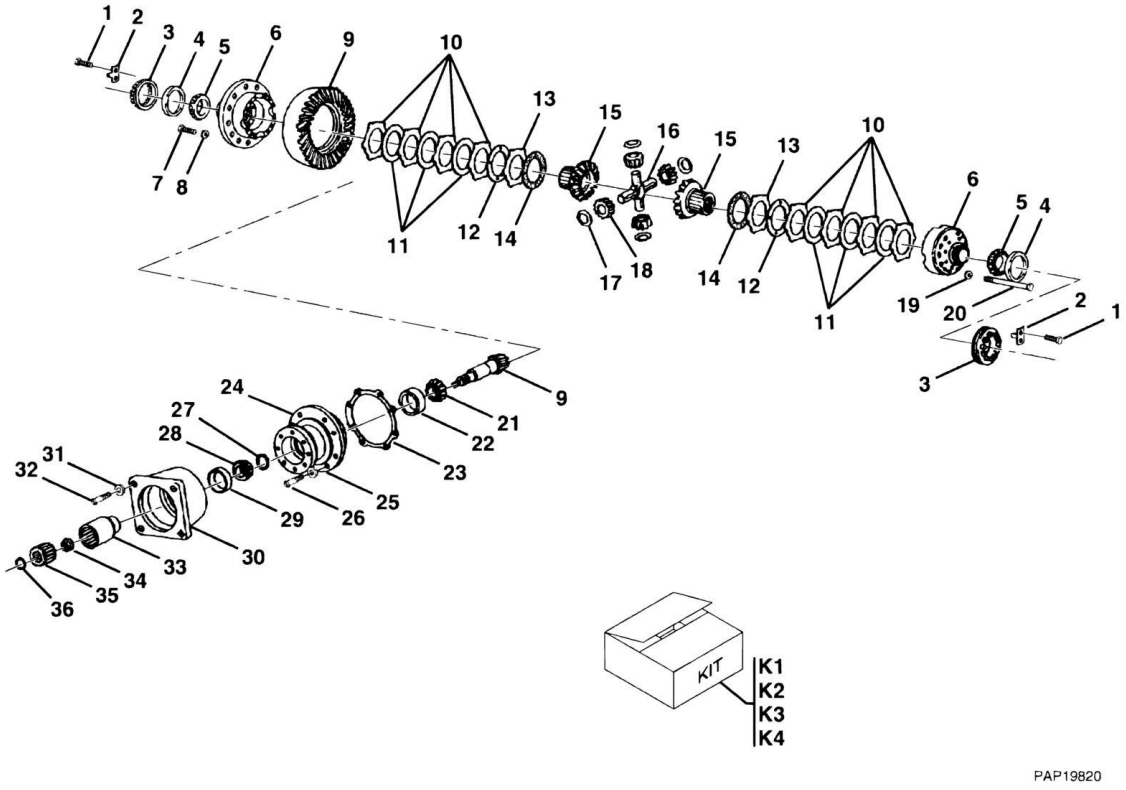


FIGURE 5-7. CARRIER ASSEMBLY - ROCKWELL (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91144386	4	CAPSCREW	
2	91144387	2	ADJUSTER RING LOCK	
3	91144388	2	ADJUSTER RING	
4	83073828	2	BEARING CUP	
5	91144389	2	BEARING CONE	
6	91144390	1	DIFFERENTIAL CASE	
7	91144391	12	CAPSCREW, M10X1.0X30.0	
8	83483584	12	WASHER	
9	91144392	1	SPIRAL GEAR AND PINION	
10	Kit	8	DRIVE FRICTION DISC, (included in 91144382 kit)	
11	Kit	6	DRIVEN FRICTION DISC, (included in 91144382 kit)	
12	Kit	2	SHIM, (0.33), (included in shim kit)	
12	Kit	2	SHIM, (0.38), (included in shim kit)	
12	Kit	2	SHIM, (0.25), (included in shim kit)	
12	Kit	2	SHIM, (0.13), (included in shim kit)	
13	Kit	2	COMPRESSION DISC, (included in 91144382 kit)	
14	Kit	2	THRUST WASHER, (included in 91144382 kit)	
15	91144393	2	SIDE GEAR	
16	91144394	1	SPIDER	
17	91144395	4	THRUST WASHER	
18	91144396	4	PINION GEAR	
19	83483584	12	WASHER	
20	91144397	12	CAPSCREW, M10X1.5X80.0	
21	90207204	1	BEARING CONE	
22	90200440	1	BEARING CUP	
23	Kit	4	SHIM, (0.05), (included in shim kit)	
23	Kit	2	SHIM, (0.125), (included in shim kit)	
23	Kit	3	SHIM, (0.20), (included in shim kit)	
23	Kit	1	SHIM, (0.50), (included in shim kit)	
24	91144398	1	PINION CAGE ASSY, (includes items 22 & 29)	
25	91144399	8	WASHER	
26	91144400	8	CAPSCREW, M12X1.75X40.0	
27	Kit	1	SHIM, (1.20), (included in shim kit)	
27	Kit	1	SHIM, (1.25), (included in shim kit)	
27	Kit	1	SHIM, (1.30), (included in shim kit)	
27	Kit	1	SHIM, (1.35), (included in shim kit)	
27	Kit	1	SHIM, (1.40), (included in shim kit)	
27	Kit	1	SHIM, (1.45), (included in shim kit)	
27	Kit	1	SHIM, (1.50), (included in shim kit)	
28	91144401	1	BEARING CONE	
29	91144402	1	BEARING CUP	
30	91144403	1	MOTOR ADAPTER FLANGE	
31	83483584	8	WASHER	
32	91144404	8	CAPSCREW, .3750-16UNC-2AX1.25	
33	91144405	1	DRIVEN SLEEVE	
34	91144406	1	PINION NUT, M24X1.5	
35	91144407	1	DRIVE SLEEVE	
36	91144408	1	SNAP RING	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K1	91144382	Ref	LIMITED SLIP PLATE STACK KIT, (includes items 10, 11, 12, 13 & 14)	
K2	91144383	Ref	PINION CAGE SHIM KIT, (includes item 23)	
K3	91144384	Ref	DRIVE PINION SHIM KIT, (includes item 27)	
K4	91144385	Ref	LIMITED SLIP SHIM KIT, (includes item 12)	

FIGURE 5-8. FRONT AXLE ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

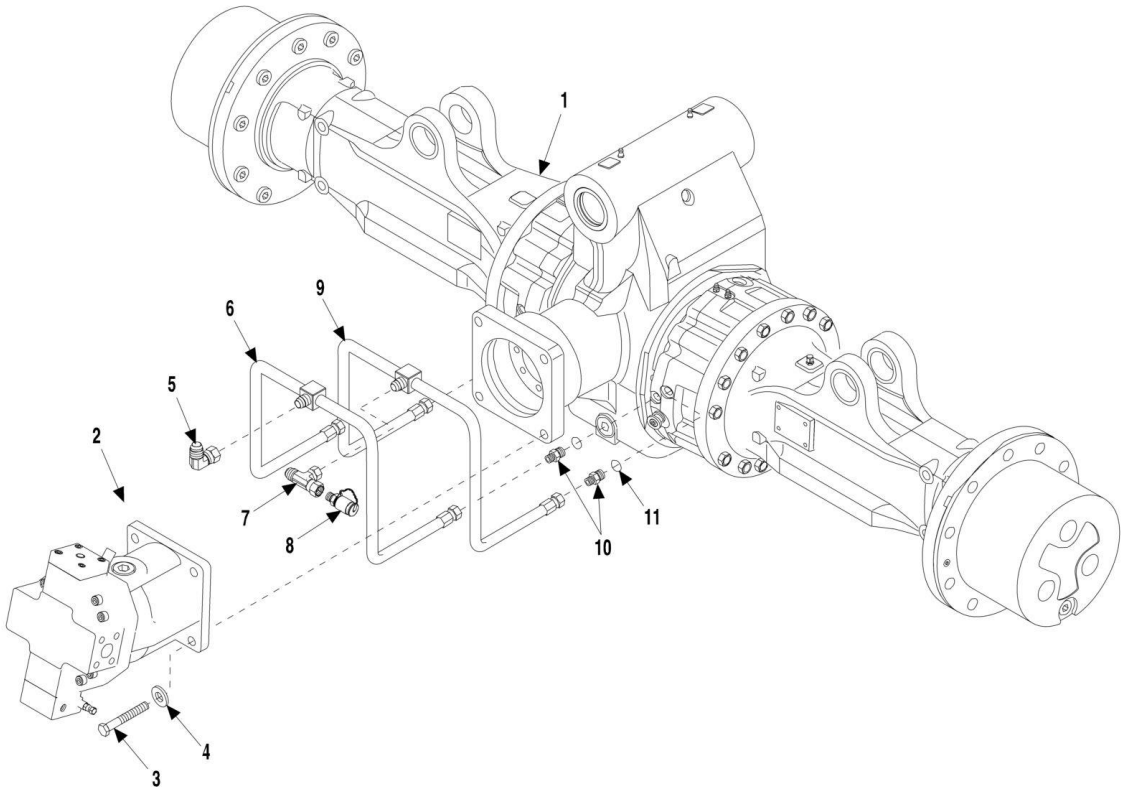


FIGURE 5-8. FRONT AXLE ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91555006	1	FRONT AXLE ASSY, (includes items 1 thru 11)	B
1		Ref	FRONT AXLE, (See FRONT AXLE – CARRARO for Breakdown)	
2		Ref	FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	80333162	4	HEX HD CAPSCREW, M20-2.5X65	
4	90027473	4	HARD WASHER, 3/4	
5	2220654	1	ELBOW, 90, (swivel nut)	
6	91343220	1	PARK BRAKE TUBE LINE	
7	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
8	91143172	1	TEST FITTING	
9	91343219	1	SERVICE BRAKE TUBE LINE	
10	91413114	4	ADAPTER, (includes item 11)	
11	88591202	4	O-RING	

FIGURE 5-9. FRONT AXLE - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

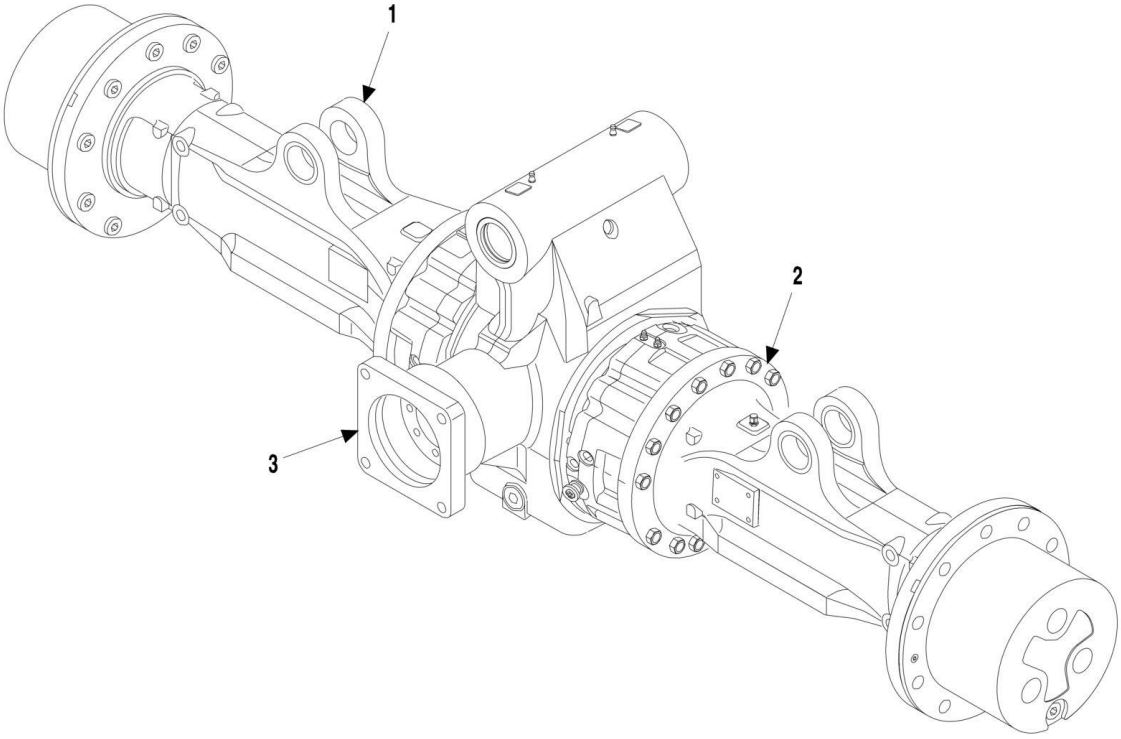


FIGURE 5-9. FRONT AXLE - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91363158	1	FRONT AXLE, (includes all items)	A
1		Ref	HOUSING ASSY, (See AXLE HOUSING ASSEMBLY – CARRARO for Breakdown)	
2		Ref	BRAKE ASSY, (See BRAKE ASSEMBLY – CARRARO for Breakdown)	
3		Ref	CARRIER ASSY, (See CARRIER ASSEMBLY - CARRARO for Breakdown)	

FIGURE 5-10. AXLE HOUSING ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

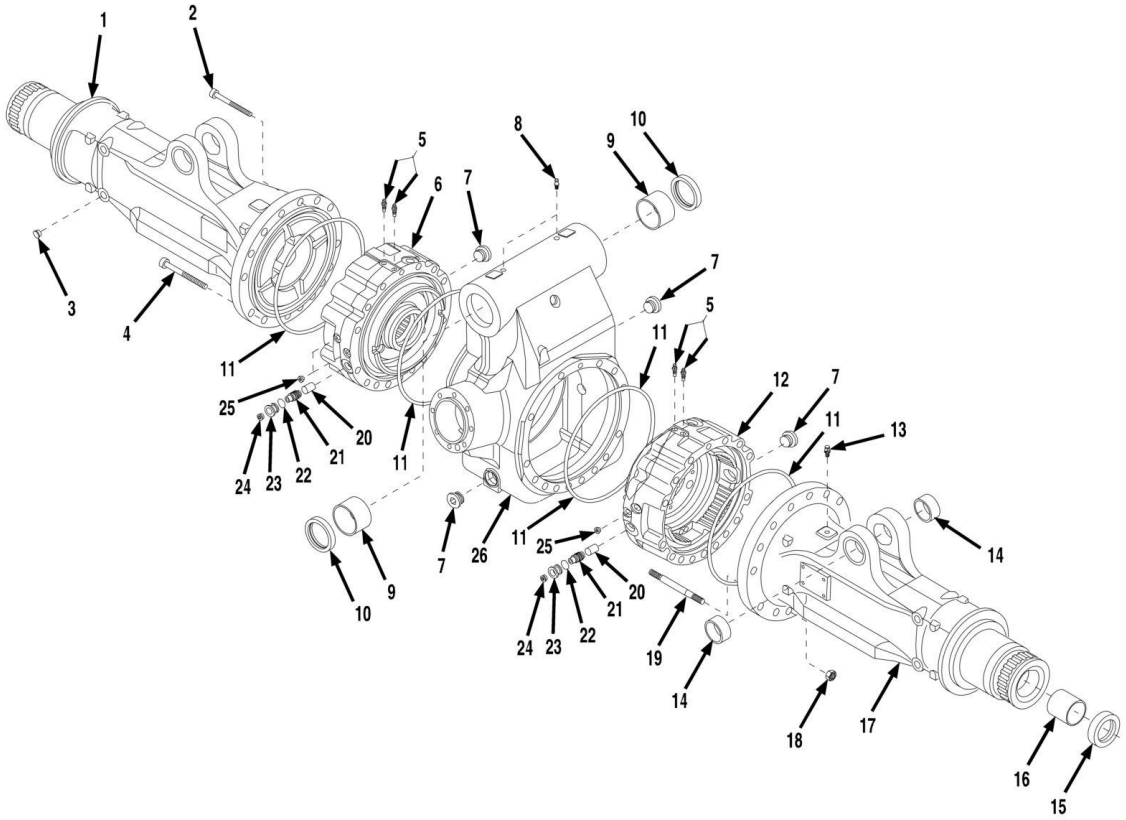


FIGURE 5-10. AXLE HOUSING ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91364026	1	AXLE HOUSING, LH	
2	91364027	2	CAPSCREW, M12X130	
3	91474098	8	PLUG	
4	91364028	28	CAPSCREW, M16X160	
5	91474039	4	BREATHER, M10X1	
6	91364029	1	BRAKE HOUSING, LH	
7	91474037	4	PLUG, M30X2	
8	91474095	2	GREASE FITTING	
9	91364030	2	BUSHING	
10	91364031	2	SEAL RING	
11	91364032	4	O-RING	
12	91364033	1	BRAKE HOUSING, RH	
13	91474058	1	BREATHER, M10X1	
14	91364034	2	BUSHING	
15	91364035	2	SEAL RING	
16	91364036	2	BUSHING	
17	91364037	1	AXLE HOUSING, RH	
18	91474061	2	NUT, M16X2	
19	91474060	2	STUD, M16X2	
20	91364038	6	RELEASE PIN	
21	91474066	6	BOLT, M16X1.5	
22	91474065	6	O-RING	
23	91474064	6	SCREW, M22X1.5	
24	91474075	6	PLUG, M16X1.5	
25	91364039	4	PLUG, M10X1	
26	91364040	1	CENTRAL BODY	

FIGURE 5-11. BRAKE ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

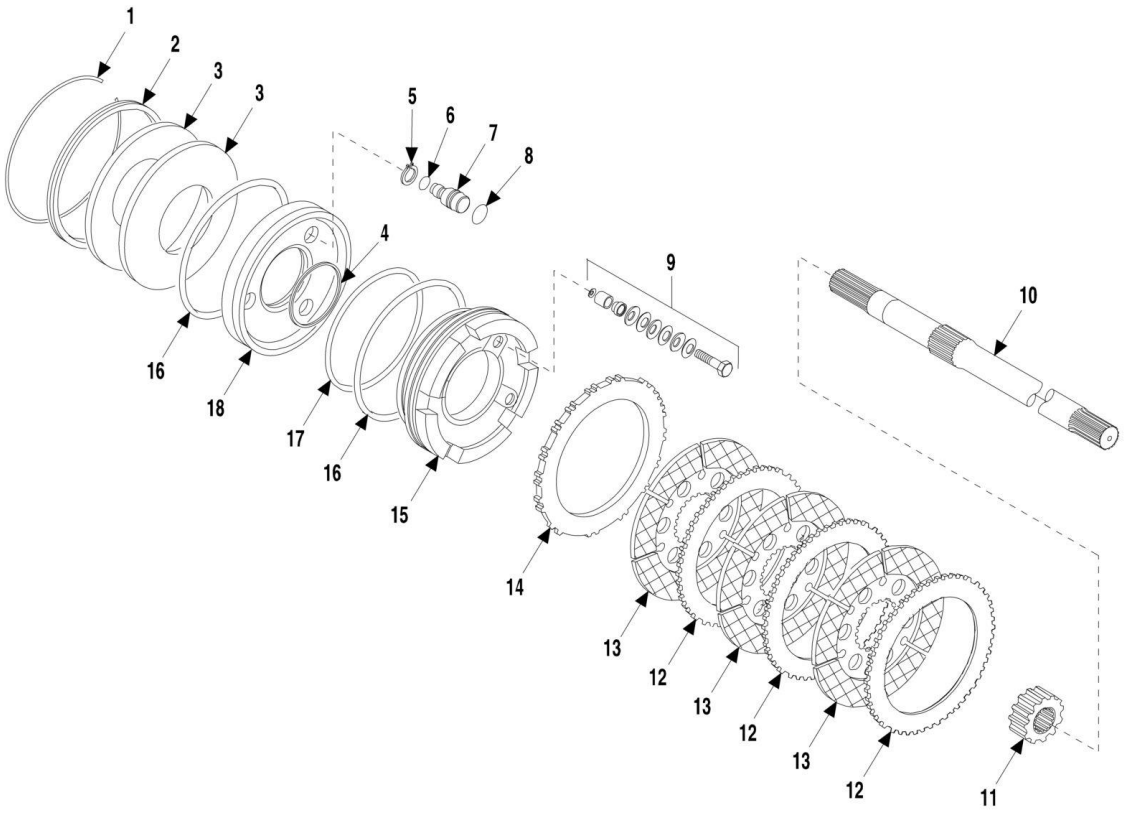


FIGURE 5-11. BRAKE ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474143	2	RING	
2	91474144	2	SLEEVE	
3	91474145	4	WASHER	
4	91474147	2	O-RING	
5	91364041	6	SNAP RING	
6	91474149	6	O-RING	
7	91364042	6	PIN	
8	91474151	6	O-RING	
9	91364043	2	SELF-ADJUST KIT, (includes the following)	
9	N.S.S.	36	WASHER	
9	N.S.S.	6	WASHER	
9	N.S.S.	6	PIN	
9	N.S.S.	6	BOLT, M14X65	
9	N.S.S.	6	SPACER	
10	91364044	2	HALF SHAFT	
11	91474142	2	SLEEVE	
12	91474141	6	DRIVE PLATE	
13	91474140	6	BRAKE DISK	
14	91474139	2	DRIVE PLATE	
15	91364045	2	BRAKE PISTON	
16	91474137	4	O-RING	
17	91474136	2	O-RING	
18	91474146	2	BRAKE PISTON	

FIGURE 5-12. CARRIER ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

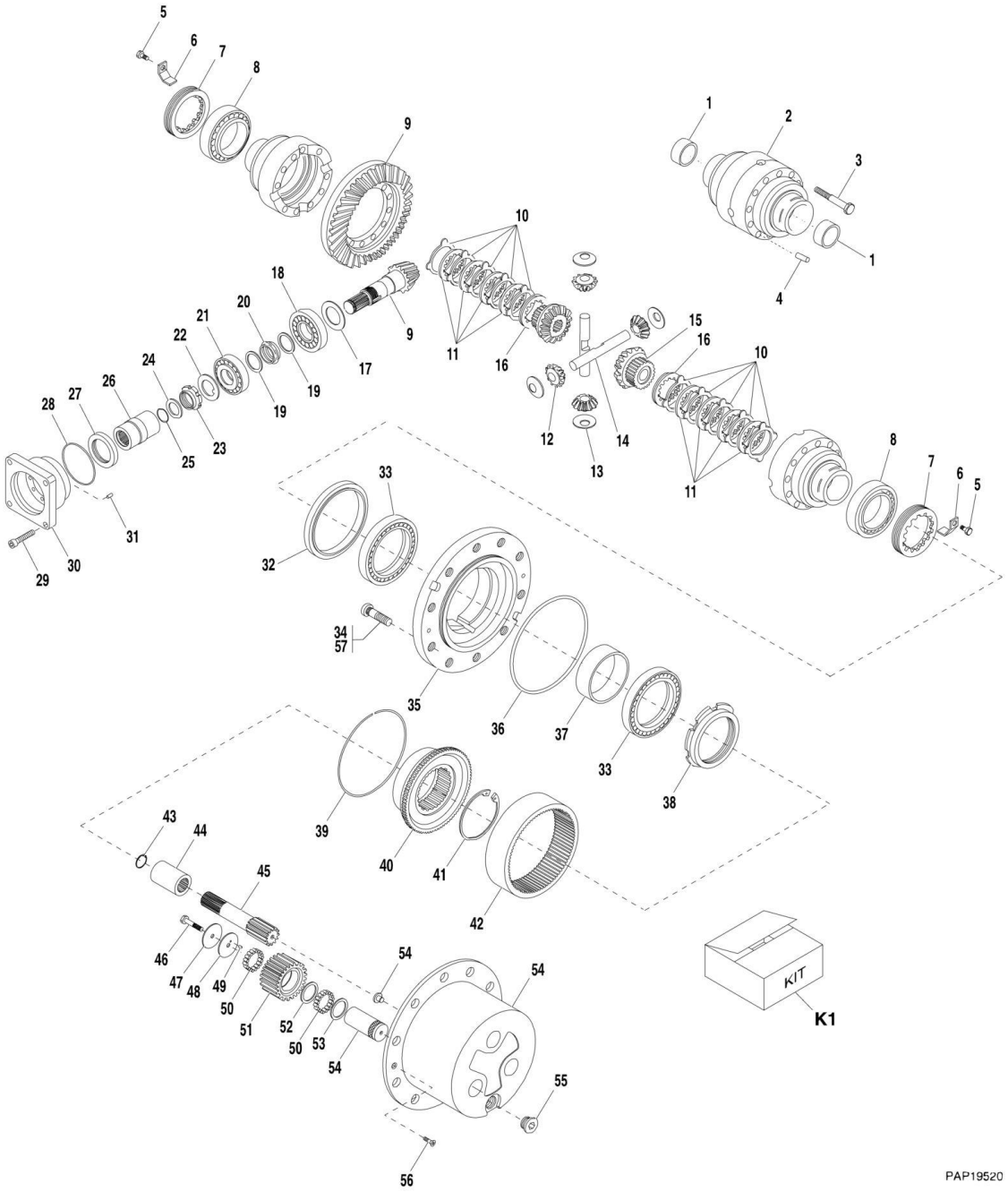


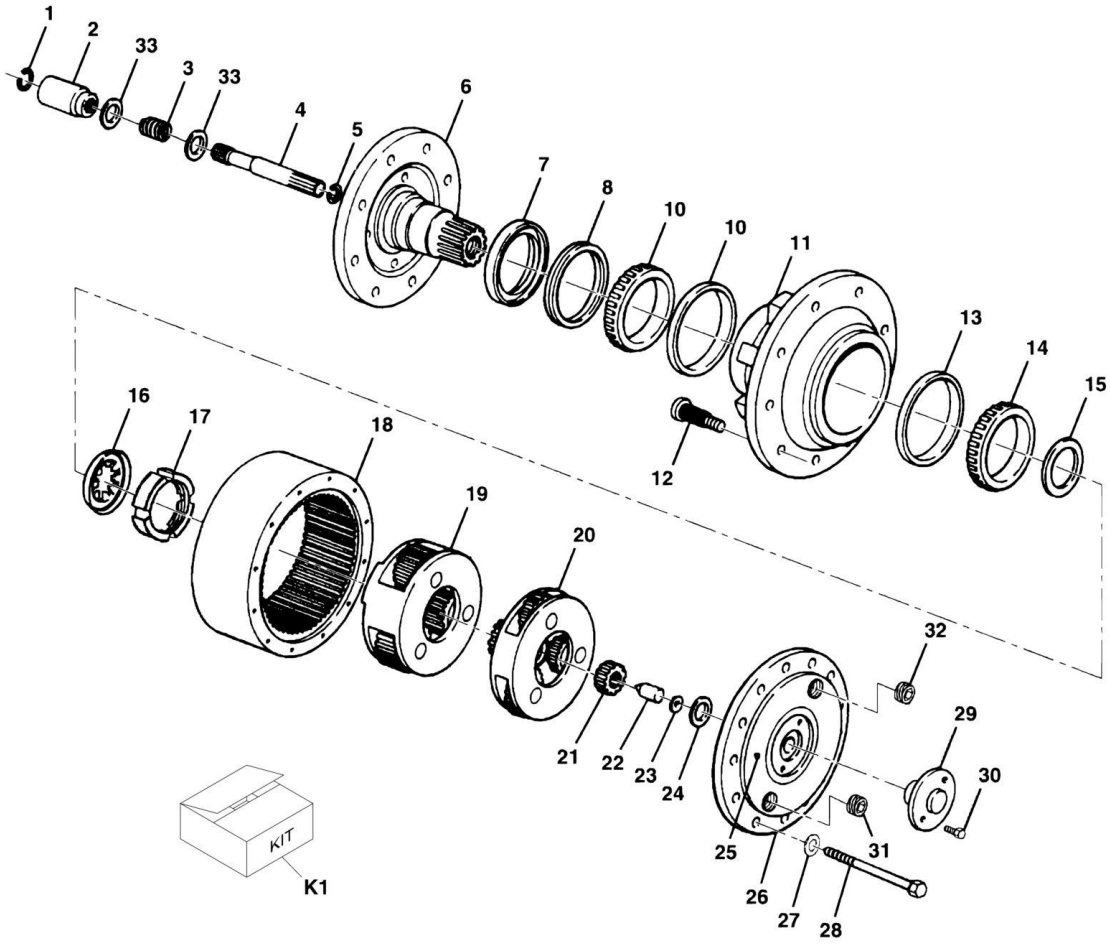
FIGURE 5-12. CARRIER ASSEMBLY - CARRARO (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91364046	2	BUSHING	
2	91364047	1	DIFFERENTIAL HOUSING	
3	91364048	10	BOLT, M12X90	
4	91364049	1	PIN	
5	8035180	2	BOLT, M6X10	
6	91474126	2	LOCKING PLATE	
7	91364050	2	BEARING	
8	91474128	2	RING NUT, M104X2	
9	91364051	1	SPIRAL GEAR AND PINION, (includes items 19, 20 & 22 thru 25)	
10	91364052	10	DIFFERENTIAL DRIVE DISC	
11	91364053	8	DIFFERENTIAL DISC	
12	Kit	4	GEAR, Z12	
13	91364054	4	THRUST WASHER	
14	91364055	2	SHAFT	
15	Kit	2	GEAR, Z18	
16	91364056	2	DIFFERENTIAL DISC	
17	91364057	AR	SHIM, 2.50mm	
17	91364058	AR	SHIM, 2.60mm	
17	91364059	AR	SHIM, 2.70mm	
17	91364060	AR	SHIM, 2.80mm	
17	91364061	AR	SHIM, 2.90mm	
17	91364062	AR	SHIM, 3.00mm	
17	91364063	AR	SHIM, 3.10mm	
17	91364064	AR	SHIM, 3.20mm	
17	91364065	AR	SHIM, 3.30mm	
17	91364066	AR	SHIM, 3.40mm	
18	91364067	1	BEARING	
19	91364068	2	WASHER	
20	91364069	1	SPACER	
21	91364070	1	BEARING	
22	91364071	1	LOCKWASHER	
23	91364072	1	RING NUT, M45X1.5	
24	91474115	1	WASHER	
25	91474116	1	O-RING	
26	91364073	1	COUPLER	
27	91364074	1	SEAL RING	
28	91364075	1	O-RING	
29	91364076	8	BOLT, M12X60	
30	91364077	1	FLANGE	
31	91364078	1	PIN, 12X25	
32	91364079	2	SEAL RING	
33	91364080	4	BEARING	
34	91364081	20	BOLT	
35	91364082	2	WHEEL HUB KIT, (includes wheel hub and item 34)	
36	91474155	2	O-RING	
37	91364083	2	SPACER	
38	91364084	2	RING NUT, M130X2	
39	91474157	2	RING	
40	91364085	2	RING GEAR CARRIER	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	91364086	2	SNAP RING, 115X4	
42	91364087	2	RING GEAR	
43	91364088	2	SNAP RING	
44	91364089	2	COUPLING SLEEVE	
45	91364090	2	HALF-SHAFT	
46	91474162	6	BOLT	
47	91364091	6	INNER THRUST WASHER	
48	91364092	6	THRUST WASHER	
49	91474163	0.6	NEEDLE BEARINGS, (by tens)	
50	91364093	38.4	NEEDLE BEARINGS, (by tens)	
51	91364094	6	GEAR	
52	91364095	6	THRUST WASHER	
53	91364096	6	THRUST WASHER	
54	91364097	2	PLANETARY CARRIER KIT, (includes planetary carrier and locking pad)	
55	91474037	2	PLUG, M30X2	
56	7028492	4	SCREW	
57	0100011	AR	LOCTITE 242, (apply to item 34)	
K1	91364098	Ref	DIFFERENTIAL KIT, (includes items 12 thru 15)	

FIGURE 5-13. REAR STEERING AXLE DRIVE HUB (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)



NOTE:

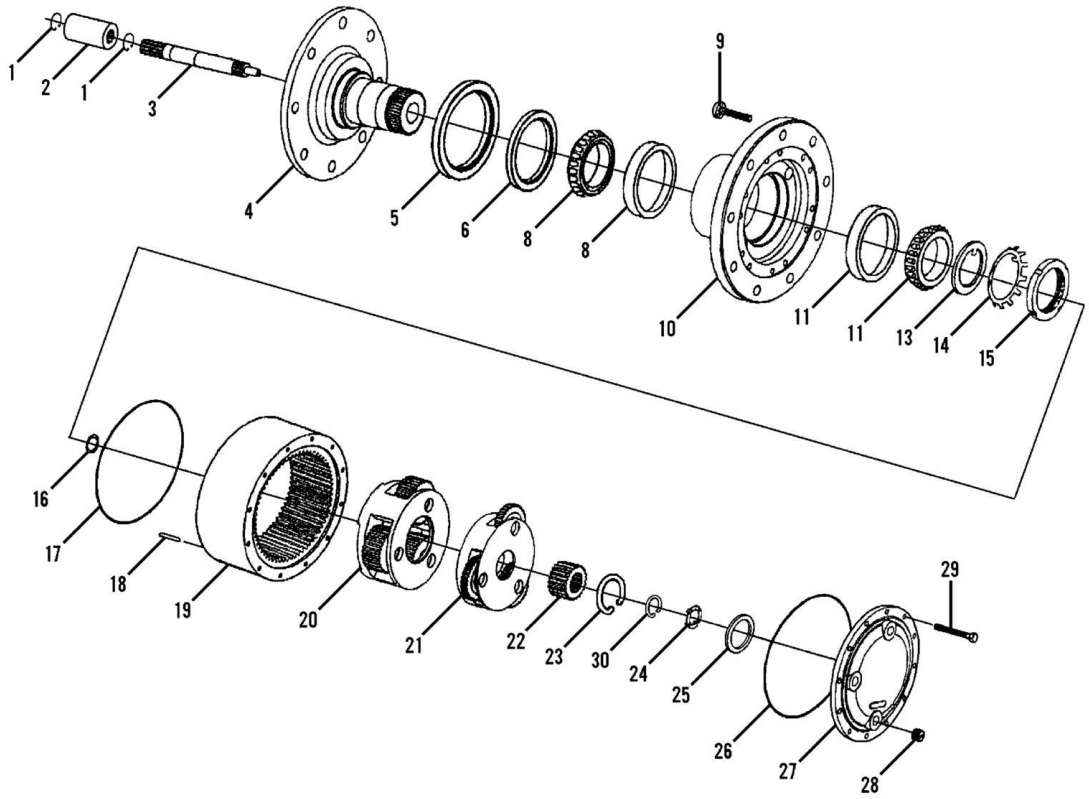
TO SERVICE ITEM 17 LOCKNUT, A SPECIAL WRENCH IS REQUIRED, ORDER 91144325 WRENCH.

PAP19840

FIGURE 5-13. REAR STEERING AXLE DRIVE HUB (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91043472	2	REAR STEERING AXLE DRIVE HUB, (includes all items)	D
1	91044276	1	RETAINING RING	
2	91044277	1	COUPLING	
3	91144175	1	SPRING	
4	91144176	1	INPUT SHAFT	
5	91044099	2	RETAINING RING	
6	91144177	1	SPINDLE	
7	Kit	1	SEAL	
8	Kit	1	OIL SEAL	
10	1001091460	1	OUTER BEARING CUP AND CONE KIT	
11	91144178	1	HUB	
12	91044311	12	WHEEL BOLT	
13	91144179	1	INNER BEARING CUP	
14	91144180	1	INNER BEARING CONE	
15	91144181	1	THRUST WASHER	
16	91144182	1	LOCKWASHER	
17	91144183	1	LOCKNUT	
18	91144184	1	RING GEAR	
19	91144185	1	SECONDARY CARRIER ASSY	
20	91144186	1	PRIMARY CARRIER ASSY	
21	91144187	1	PRIMARY SUN GEAR	
22	91044106	1	PLUNGER	
23	91044107	1	O-RING	
24	91044105	1	THRUST WASHER	
25	91044361	1	PIPE PLUG	
26	91144188	1	COVER	
27	91044110	12	FLAT WASHER	
28	91144189	12	HEX HD BOLT	
29	91044112	1	DISENGAGE COVER	
30	Kit	1	LOCK SCREW	
31	91044101	1	MAGNETIC PLUG	
32	91034389	1	PIPE PLUG	
33	91034390	2	THRUST WASHER	
K1	91044462	Ref	REPAIR KIT, (includes items 7, 8 & 30)	

FIGURE 5-14. REAR STEERING AXLE DRIVE HUB (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)



NOTES:

1. TO SERVICE ITEM 15, BEARING NUT, A SPECIAL WRENCH IS REQUIRED. ORDER 91404449 WRENCH.
2. APPLY LOCTITE SUPERFLEX 587 ULTRA BLUE SILICON (14404067) TO MOUNTING SURFACE OF TORQUE HUB.

FIGURE 5-14. REAR STEERING AXLE DRIVE HUB (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91403588	1	REAR DRIVE HUB, (includes all items)	
1	7000297	2	RETAINING RING	
2	91414001	1	COUPLING	
3	91414002	1	INPUT SHAFT	
4	91414003	1	SPINDLE	
5	91414004	1	BOOT SEAL	
6	91414005	1	OIL SEAL	
8	91414007	1	BEARING CUP AND CONE KIT	
9	91404435	10	WHEEL BOLT	
10	91404436	1	HUB	
11	91414009	1	BEARING CUP AND CONE KIT	
13	91414011	1	THRUST WASHER	
14	91414012	1	LOCKWASHER	
15	91414013	1	BEARING NUT	
16	91414014	1	THRUST WASHER	
17	91414015	1	O-RING	
18	7017047	2	DOWEL PIN	
19	7024167	1	RING GEAR	
20	70021141	1	SECONDARY CARRIER SUB-ASSY, (includes item 16)	
21	70021146	1	PRIMARY CARRIER SUB-ASSY, (includes items 22 & 23)	
22	91414019	1	PRIMARY SUN GEAR	
23	91414020	1	RETAINING RING	
24	91414021	1	THRUST WASHER	
25	91414022	1	THRUST WASHER	
26	7024177	1	O-RING	
27	91414024	1	COVER	
28	7017094	3	MAGNETIC PIPE PLUG	
29	91414026	20	HEX HD BOLT	
30	91414027	1	RETAINING RING	

FIGURE 5-15. TIRES AND RIMS (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

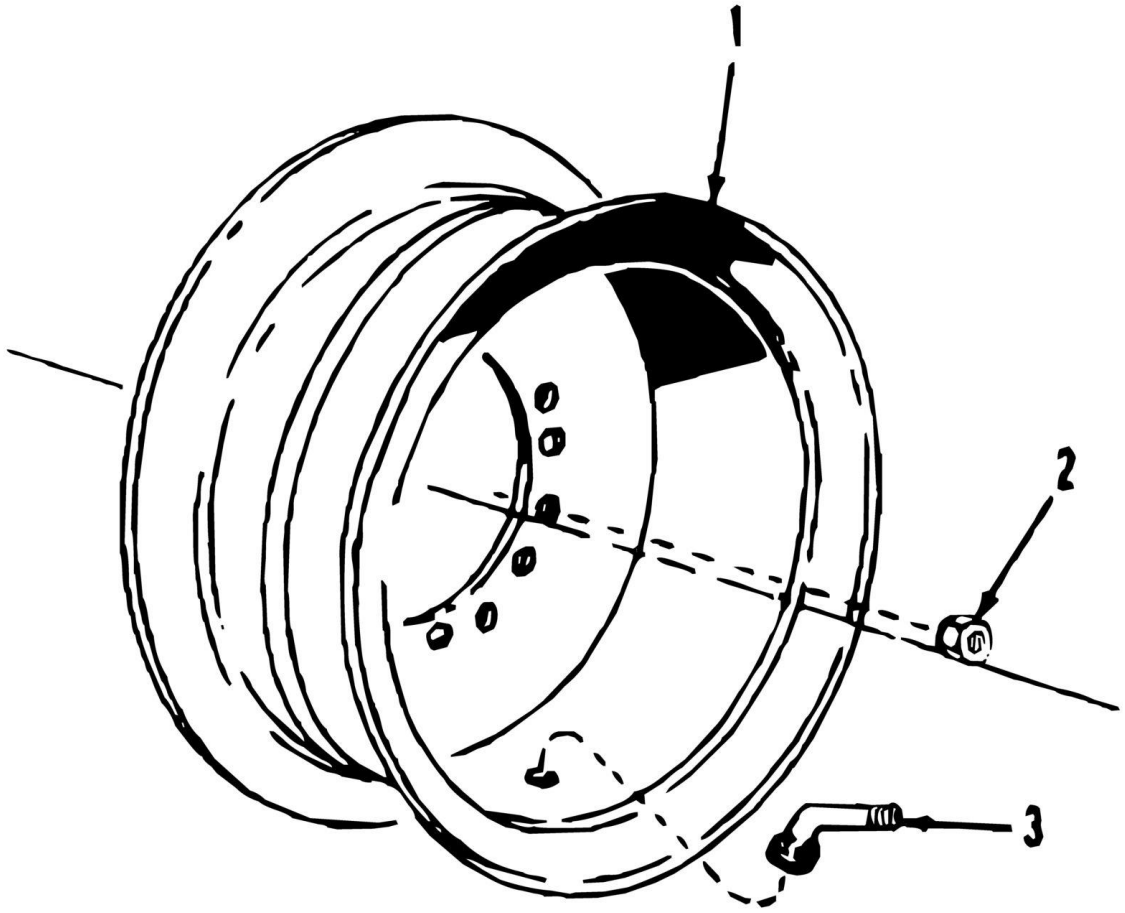


FIGURE 5-15. TIRES AND RIMS (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91125002	2	RH TIRE ASSY, (includes items 1, 3 & 4), (534D-9)	
	91125003	2	LH TIRE ASSY, (includes items 1, 3 & 4), (534D-9)	
	91045106	2	RH TIRE ASSY, (includes items 1, 3 & 5), (534D-10)	
	91045107	2	LH TIRE ASSY, (includes items 1, 3 & 5), (534D-10)	
1	91043298	2	RIM	
2	91043146	48	LUG NUT, (torque to 350-400 lb-ft)	
3	8786514	2	VALVE	
4	91033104	2	TIRE, (not shown), 13.00 x 24, 12 ply, G-2 TRACTION REGULAR	
5	91043084	2	TIRE, (not shown), 14.00 x 24, 12 ply, G-2 GRADER TUBELESS	

FIGURE 5-16. TIRES AND RIMS (534D-9 SN 0160000447 to Present)

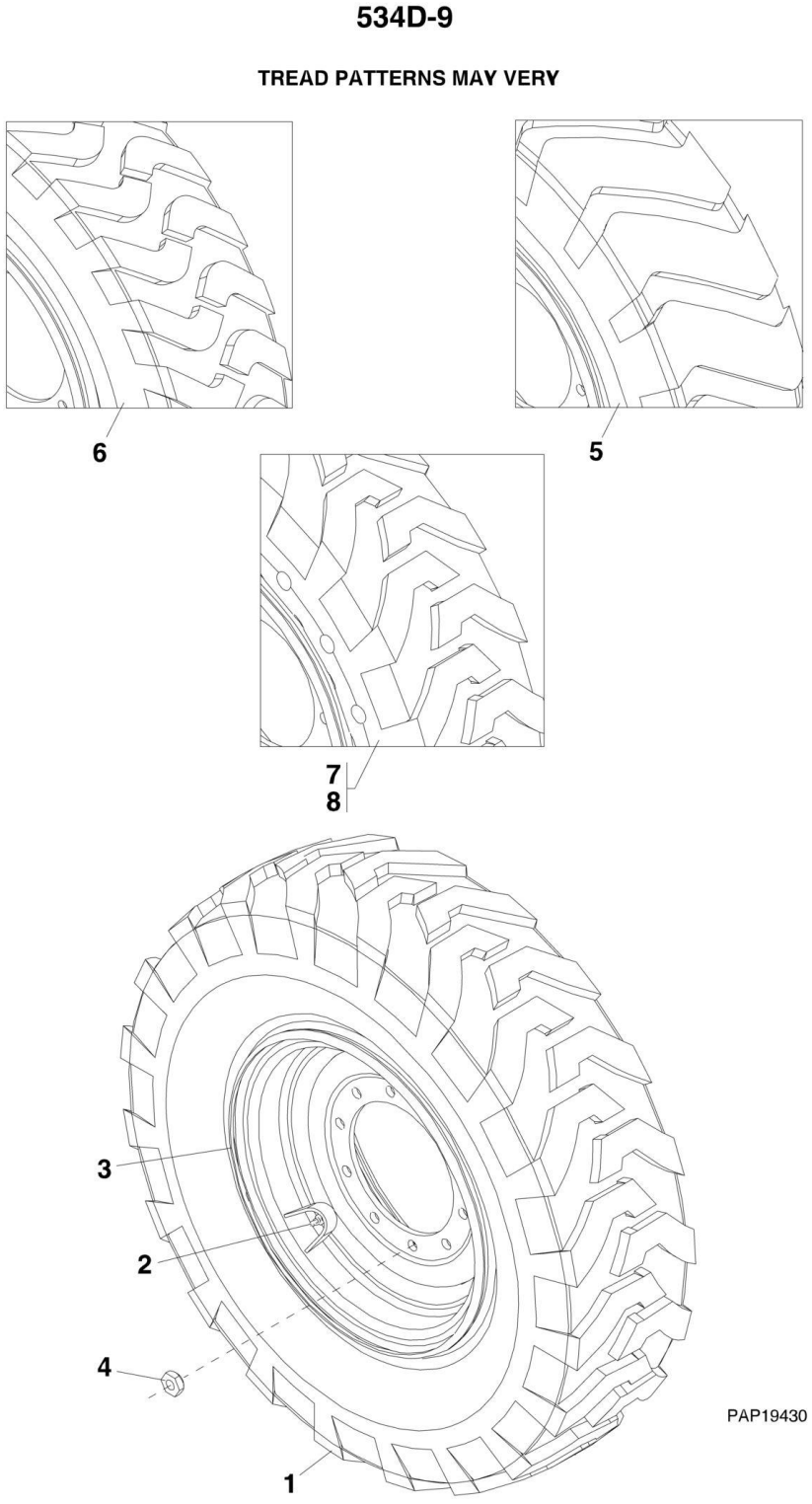


FIGURE 5-16. TIRES AND RIMS (534D-9 SN 0160000447 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520368	1	TIRE SET, 13.00-24 BIAS	B
	91405035	2	RH TIRE AND WHEEL ASSY, 13.00-24 BIAS, (includes items 1 thru 3)	I
	91405036	2	LH TIRE AND WHEEL ASSY, 13.00-24 BIAS, (includes items 1 thru 3)	I
	4520369	1	TIRE SET, 13.00-24 BIAS, ROCK TRED	A
	91535017	4	TIRE AND WHEEL ASSY, 13.00-24 BIAS, ROCK TRED, (includes items 2, 3 & 5)	B
	4520374	1	TIRE SET, 13.00R24 RADIAL	A
	91515056	4	TIRE AND WHEEL ASSY, 13.00R24 RADIAL, (includes items 2, 3 & 6)	B
	4520370	1	TIRE SET, 13.00-24 BIAS, FOAM FILLED	B
	91475054	2	RH TIRE AND WHEEL ASSY, 13.00-24 BIAS, FOAM FILLED, 542#, (includes items 1 thru 3)	E
	91475055	2	LH TIRE AND WHEEL ASSY, 13.00-24 BIAS, FOAM FILLED, 542#, (includes items 1 thru 3)	E
	4520371	1	TIRE SET, 13.00-24 BIAS, ROCK TRED, FOAM FILLED	A
	91535019	4	TIRE AND WHEEL ASSY, 13.00-24 BIAS, ROCK TRED, FOAM FILLED, 542#, (includes items 2, 3 & 5)	D
	4520375	1	TIRE SET, 13.00R24 RADIAL, FOAM FILLED	A
	91475093	4	TIRE AND WHEEL ASSY, 13.00R24 RADIAL, FOAM FILLED, 542#, (includes items 2, 3 & 6)	E
	4520645	1	SOLID TIRE SET, 13.0-24, (includes items 7 & 8)	A
1	8780031	1	TIRE, 13.00-24 BIAS, DIRECTIONAL	
2	8786514	1	VALVE STEM	
3	91473206	1	WHEEL, 24X9	
4	91403193	10	LUG NUT, (torque to 350-400 lb-ft)	
5	8780045	1	TIRE, 13.00-24 BIAS, ROCK TRED, NON-DIRECTIONAL	
6	8780264	1	TIRE, 13.00R24 RADIAL, NON-DIRECTIONAL	
7	4520646	1	RH SOLID TIRE AND WHEEL ASSY	B
8	4520647	1	LH SOLID TIRE AND WHEEL ASSY	B

FIGURE 5-17. TIRES AND RIMS (534D-10 SN 0160000448 to Present)

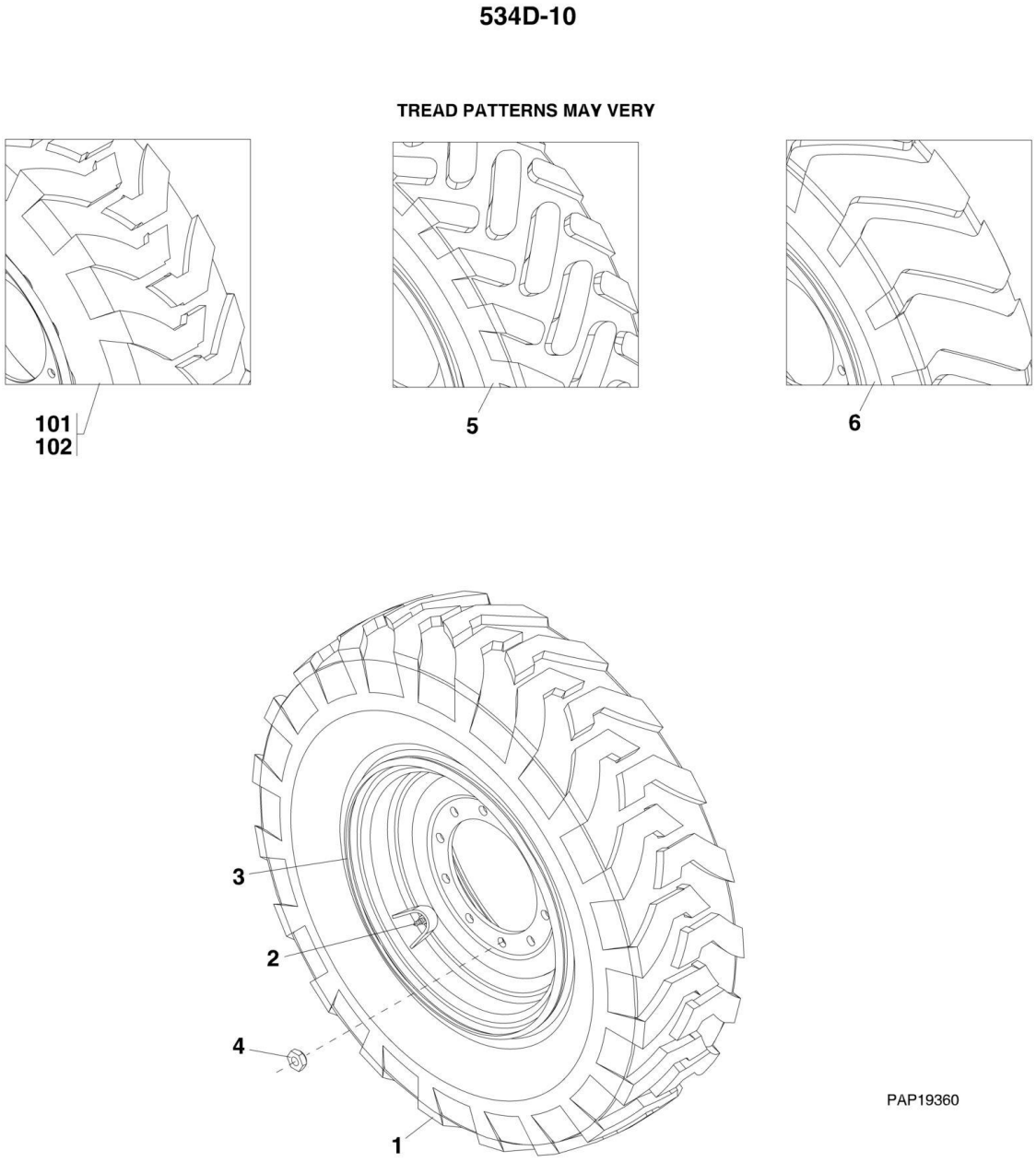


FIGURE 5-17. TIRES AND RIMS (534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520481	1	TIRE SET, 14.00-24 BIAS	B
	91355034	2	RH TIRE AND WHEEL ASSY, 14.00-24 BIAS, (includes items 1 thru 3)	D
	91355035	2	LH TIRE AND WHEEL ASSY, 14.00-24 BIAS, (includes items 1 thru 3)	D
	4520485	1	TIRE SET, 14.00-24 BIAS, ROCK TRED	A
	91545010	4	TIRE AND WHEEL ASSY, 14.00-24 BIAS, ROCK TRED, (includes items 2, 3 & 6)	E
	4520489	1	TIRE SET, 14.00R24 RADIAL	A
	91415072	4	TIRE AND WHEEL ASSY, 14.00R24 RADIAL, (includes items 2, 3 & 5)	C
	4520482	1	TIRE SET, 14.00-24 BIAS, FOAM FILLED	C
	91355037	2	RH TIRE AND WHEEL ASSY, 14.00-24 BIAS, FOAM FILLED, 720#, (includes items 1 thru 3)	F
	91355038	2	LH TIRE AND WHEEL ASSY, 14.00-24 BIAS, FOAM FILLED, 720#, (includes items 1 thru 3)	F
	4520486	1	TIRE SET, 14.00-24 BIAS, ROCK TRED, FOAM FILLED	A
	91545008	4	TIRE AND WHEEL ASSY, 14.00-24 BIAS, ROCK TRED, FOAM FILLED, 720#, (includes items 2, 3 & 6)	F
	4520490	1	TIRE SET, 14.00R24 RADIAL, FOAM FILLED	A
	91365076	4	TIRE AND WHEEL ASSY, 14.00R24 RADIAL, FOAM FILLED, 720#, (includes items 2, 3 & 5)	D
	1001105780	1	TIRE SET, 14X24, SOLID, (includes items 101 & 102)	A
1	91043084	1	TIRE, 14.00-24 BIAS, DIRECTIONAL	
2	8786514	1	VALVE STEM	
3	91473206	1	WHEEL, 24X9	
4	91403193	10	LUG NUT, (torque to 350-400 lb-ft)	
5	91363215	1	TIRE, 14.00R24 RADIAL, NON-DIRECTIONAL	
6	91543002	1	TIRE, 14.00-24 BIAS, ROCK TRED, NON-DIRECTIONAL	
101	1001105782	2	RH TIRE AND WHEEL ASSY, 14-24, SOLID	B
102	1001105781	2	LH TIRE AND WHEEL ASSY, 14-24, SOLID	B

SECTION 6 - CAB

SECTION 6 - CAB

FIGURE 6-1. OPEN CAB (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)

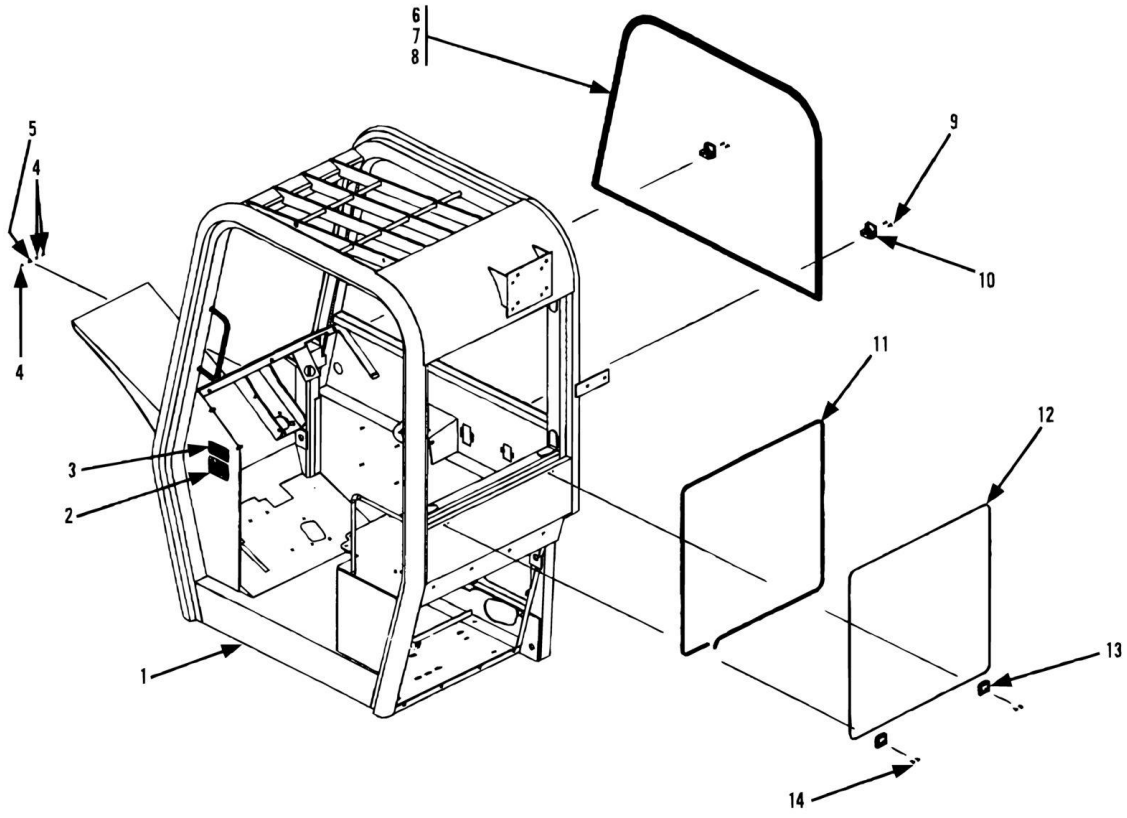


FIGURE 6-1. OPEN CAB (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	OPEN CAB, (includes all items), (no longer available), (See OPTIONS SECTION for Breakdown)	
1		Ref	CAB WELDMENT, (no longer available), (See OPTIONS SECTION for Breakdown)	
2	91164094	1	ROPS WARNING DECAL	
3	91144430	1	SN TAG	
4	91164086	3	HOLE PLUG, .313	
5	91164087	1	HOLE PLUG, .750	
6	91164088	1	RH SIDE WINDOW	
7	91164089	AR	POWERBOND	
8	8035523	AR	URETHANE, HIGH VISCOSITY, BLACK	
9	80264034	4	SCREW, #10-32X1.50, FLANGE	
10	91334005	2	WINDOW CLIP	
11	80264032	9.5 in	BULB SEAL, (to be hidden behind window clip)	
12	91164092	1	REAR WINDOW, RUBBER MOUNT	
13	91164095	2	REAR WINDOW CLIP	
14	91164096	4	SCREW, .25-20X.75, FLANGE	

FIGURE 6-2. OPEN CAB (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)

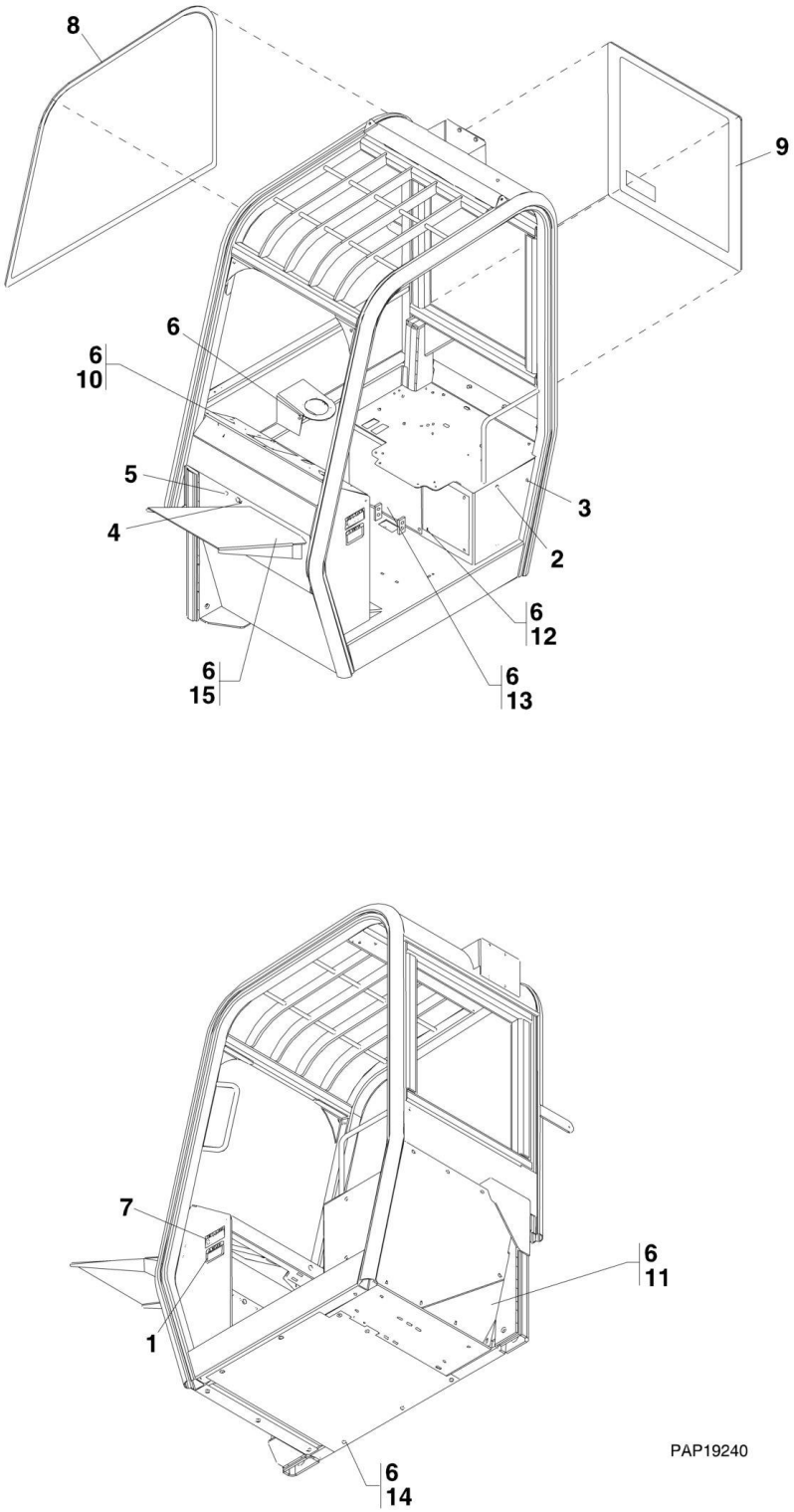
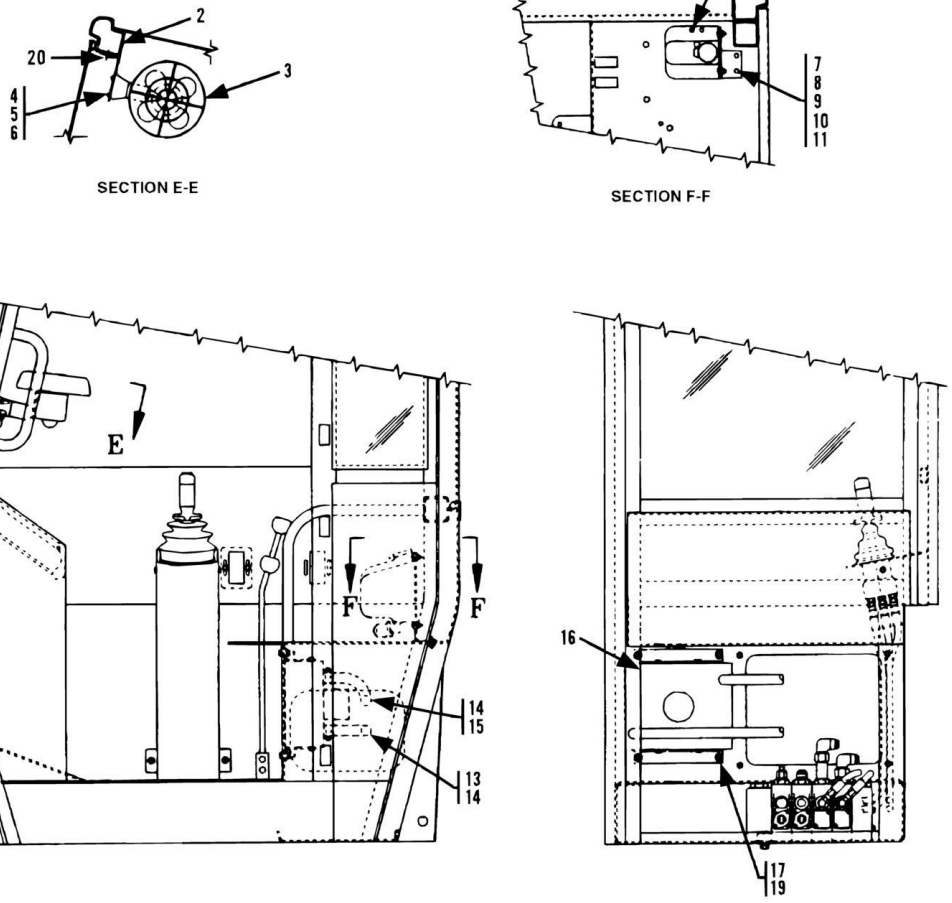


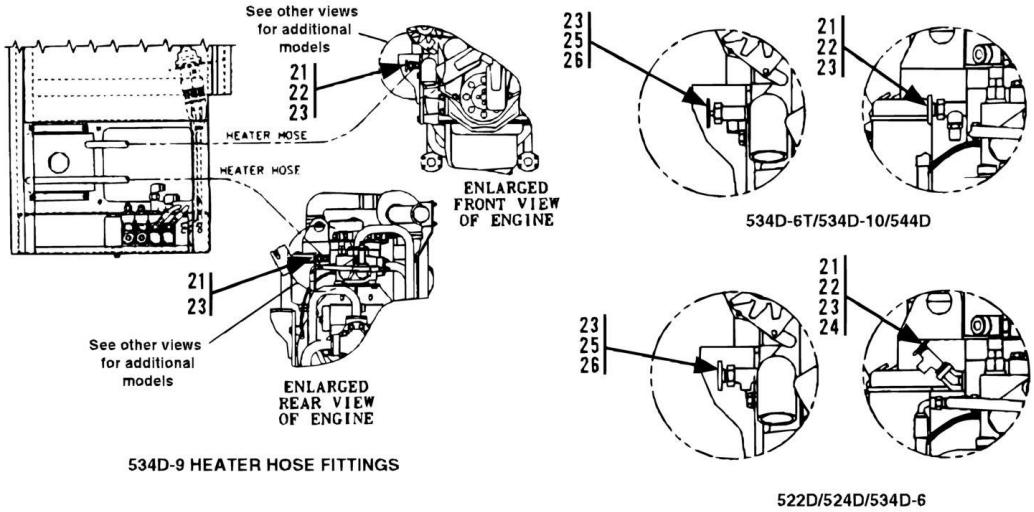
FIGURE 6-2. OPEN CAB (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1040028	1	OPEN CAB, (includes all items)	H
1	91164094	1	ROPS WARNING DECAL	
2	80264111	2	ROUND PLUG, 1/2	
3	80264035	1	ROUND PLUG, 3/8	
4	91164087	1	ROUND PLUG, 3/4	
5	8036654	4	ROUND PLUG, .312	
6	7028939	26	HEX RIVNUT, .312-18	
7	7028940	1	SN TAG	
8	7028941	1	GLASS, RH SIDE	
9	7028942	1	REAR GLASS	
10	3380582	1	DASH PANEL	
11	3380653	1	REAR CAB COVER	
12	91081475	1	HEATER PLATE COVER	
13	91141329	1	VALVE ACCESS COVER	
14	91361005	1	BELLY PAN COVER	
15	7029004	1	FENDER	
16		Ref	CAULK/PAINT, (not shown)	
17	80364009	AR	URETHANE, SIKA, (not shown)	
18	91404302	AR	ACTIVATOR, SIKA, (not shown)	

FIGURE 6-3. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)



HEATER HOSING



534D-9 HEATER HOSE FITTINGS

ELECTRICAL WIRING

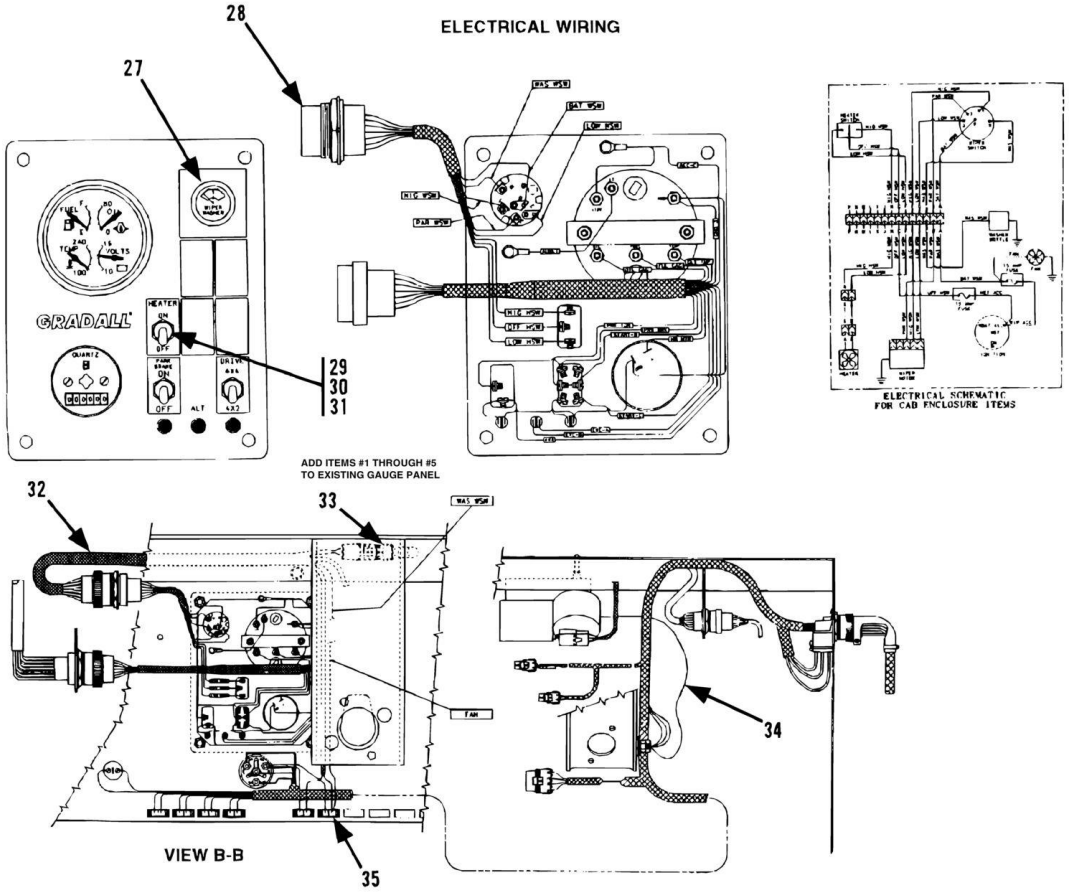
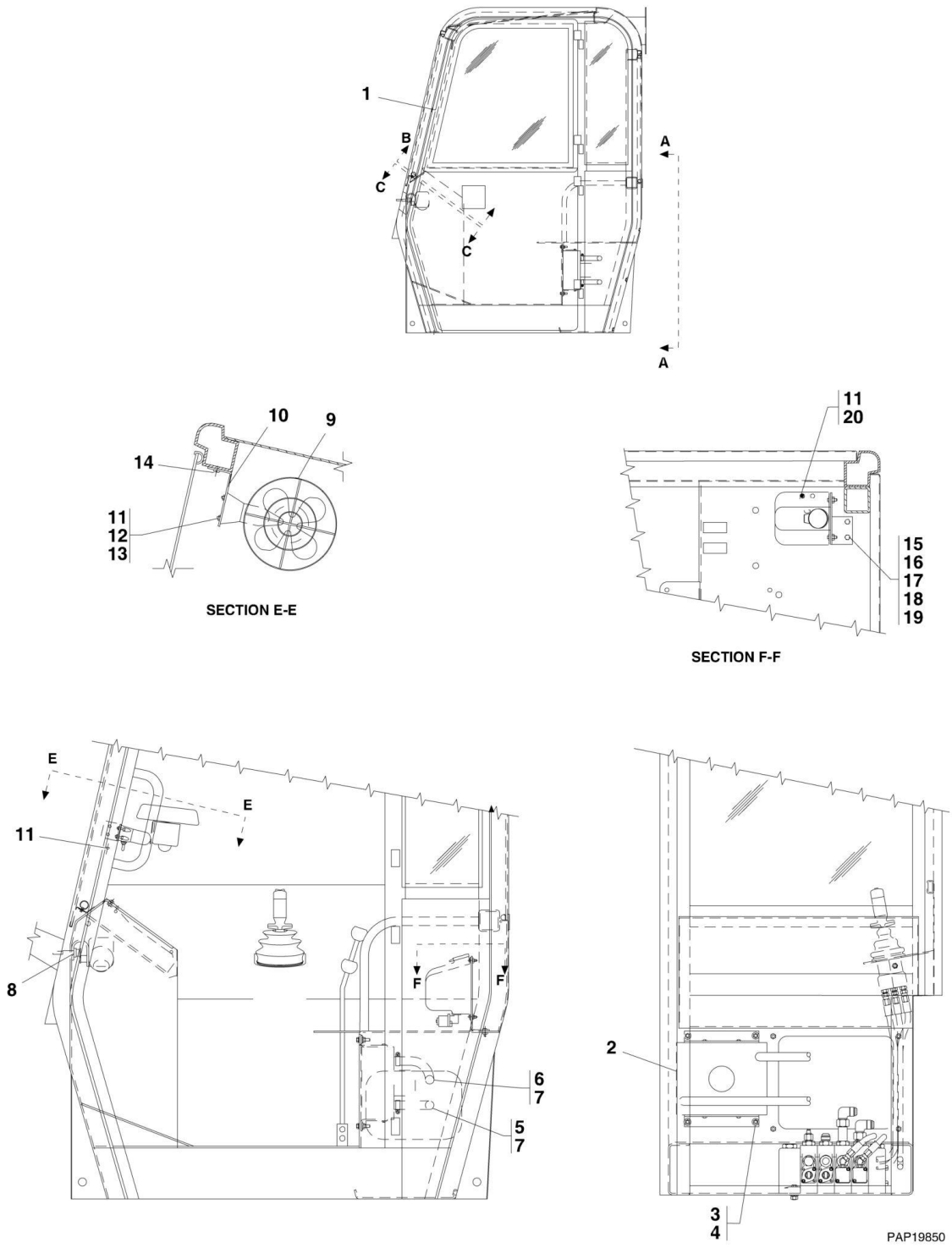
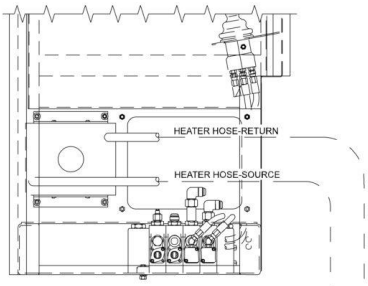


FIGURE 6-3. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

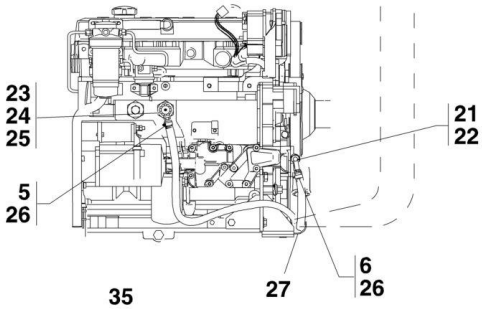
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345003	1	CAB ENCLOSURE KIT INSTALLATION, (includes all item)	
1	91143267	1	CAB ENCLOSURE KIT, (not shown), (See CAB ENCLOSURE KIT for Breakdown)	
2	91081499	1	MOUNTING ANGLE	
3	90200680	1	FAN	
4	88211030	4	HEX SOCKET HD CAPSCREW, #10-24X3/4, GR8	
5	77143017	4	WHIZ-LOCKNUT, #10-24	
6	90029955	3	RUBBER MOUNT	
7	88501004	6	HEX NUT, 1/4-20	
8	88561009	6	LOCKWASHER, 1/4	
9	88201003	6	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
10	91146099	1	BOTTLE MOUNTING BRACKET	
11	83683085	1	WASHER BOTTLE	
12	86683480	1	BUTT CONNECTOR	
13	90206169	1	HEATER HOSE	
14	86683193	2	HOSE CLAMP	
15	91141459	1	HEATER HOSE	
16	91125106	1	HEATER ASSY, (includes eight items below)	
16	91043429	1	HEATER	
16	70022026	1	HEATER FAN, 7 INCH	
16	82033996	6 in	FLEX LOOM	
16	80963057	1	TOWER	
16	80963068	2	FEMALE PIN TERMINAL	
16	80963067	2	CABLE SEALS	
16	88201003	4	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
16	88551009	4	LOCKWASHER, 1/4	
16	91031521	2	HEATER MOUNTING BRACKET	
17	77143006	4	WHIZ-LOCKNUT	
18	77163102	1	INSUL. FEMALE SPADE, 16-14 GA	
19	77143004	4	WHIZ-LOCK SCREW	
20	90027319	2	SELF-TAPPING SCREW, 1/4-20X1	
21	91083155	1	TRUCK VALVE, (qty of two needed for use on the 534D-9)	
22	77383540	1	COOLANT RESTRICTOR ORIFICE	
23	86683193	2	CLAMP	
24	88712034	1	STREET ELBOW, 45, 1/2	
25	88711383	1	PIPE BUSHING, 1/2X3/8	
26	24641328	1	SHUT OFF VALVE	
27	80963101	1	WIPER AND WASHER SWITCH	
28	91143333	1	WIPER-WASHER-HEATER HARNESS	
29	77383744	1	HEATER SWITCH	
30	77383470	1	BOOT	
31	91143361	1	HEATER DECAL	
32	91143335	1	WIPER-HEATER OPTION HARNESS	
33	91123182	1	HEATER HARNESS	
34	91361018	1	JUMPER WIRE	
35	77363268	2	15-AMP FUSE	

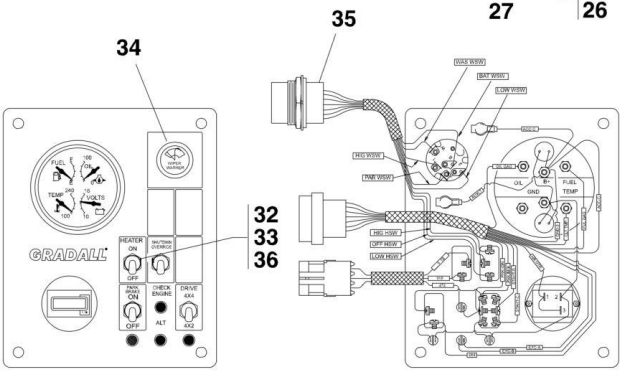
FIGURE 6-4. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0160001051 through 0160012394, Including 0160000700, Excluding 0160012112)

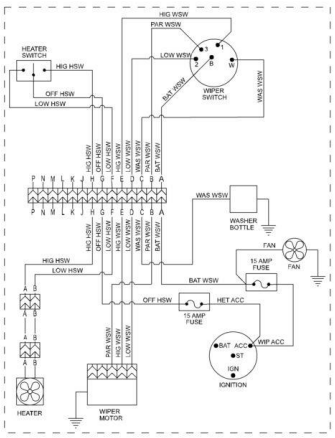




VIEW A-A







ELECTRICAL SCHEMATIC

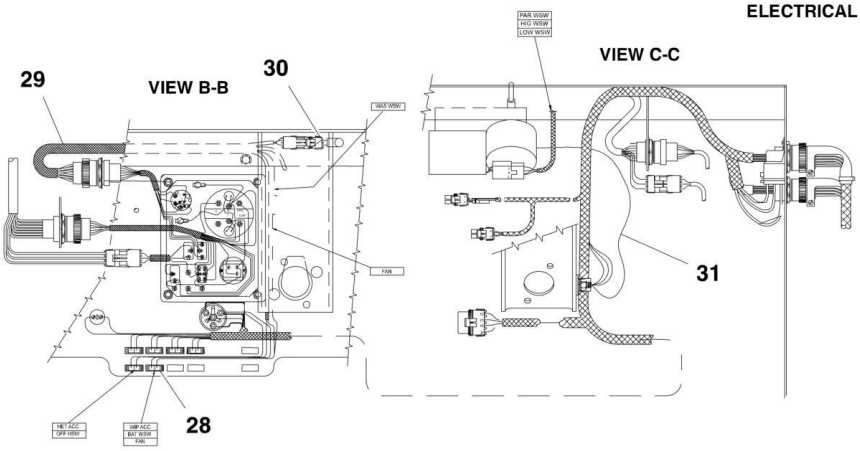
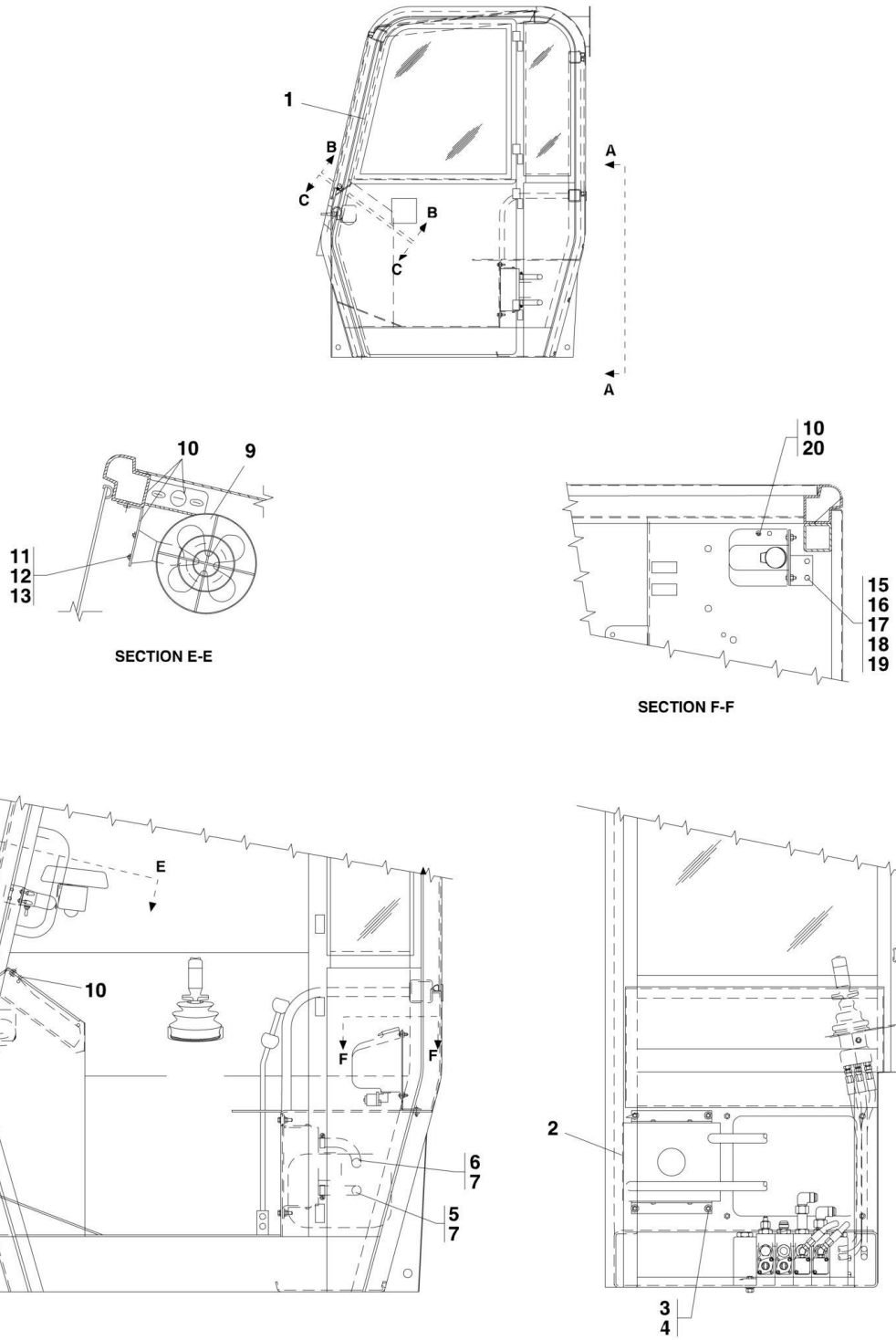
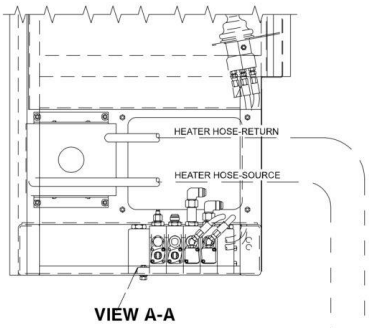


FIGURE 6-4. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0160001051 through 0160012394, Including 0160000700, Excluding 0160012112)

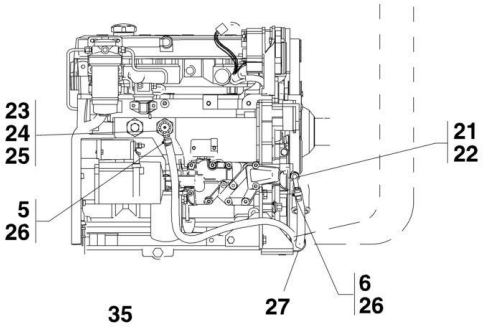
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535014	1	CAB ENCLOSURE KIT INSTALLATION, (includes all items)	
1		Ref	CAB ENCLOSURE KIT, (See CAB ENCLOSURE KIT for Breakdown)	
2	91125106	1	HEATER ASSY, (includes eight items below)	
2	91043429	1	HEATER	
2	70022026	1	HEATER FAN, 7 INCH	
2	82033996	6	FLEX LOOM	
2	80963057	1	TOWER	
2	80963068	2	FEMALE PIN TERMINAL	
2	80963067	2	CABLE SEALS	
2	91031521	2	HEATER MOUNTING BRACKET	
2	88201003	4	HEX HD CAPSCREW, 1/4-20X3/4	
2	88551009	4	LOCKWASHER, 1/4	
3	77143004	4	WHIZ-LOCK SCREW	
4	77143006	4	WHIZ-LOCKNUT	
5	90206169	1	HEATER HOSE	
6	91141459	1	HEATER HOSE	
7	86683193	2	HOSE CLAMP	
8	86683480	1	BUTT CONNECTOR	
9	90200680	1	FAN	
10	91081499	1	MOUNTING ANGLE	
11	90029955	3	RUBBER GROMMET	
12	88211030	4	HEX HD SCREW, #10-24X3/4	
13	77143017	4	WHIX LOCKNUT, #10-24	
14	90027319	2	SELF TAPPING SCREW, 1/4-20X1	
15	83683085	1	WASHER BOTTLE ASSY	
16	91146099	1	BOTTLE MOUNTING BRACKET	
17	88201003	6	HEX HD CAP-SCREW, 1/4-20X3/4	
18	88561009	6	LOCKWASHER, 1/4	
19	88501004	6	HEX NUT, 1/4-20	
20	77163102	1	INSUL. FEMALE SPADE, 16-14 GA	
21	80683073	1	FITTING ADAPTER	
22	91403443	1	BARB FITTING, 90	
23	80373046	1	FITTING	
24	77383540	1	COOLANT RESTRICTOR ORIFICE	
25	91083155	1	TRUCK VALVE	
26	86671187	2	HEATER HOSE CLAMP	
27	85941018	1	SUPPORT CLAMP	
28	77363268	2	15 AMP FUSE	
29	91143335	1	WIPER-HEATER OPTION HARNESS	
30	91123182	1	HEATER HARNESS	
31	91361018	1	JUMPER WIRE	
32	77383744	1	HEATER SWITCH	
33	77383470	1	BOOT	
34	80963101	1	WIPER AND WASHER SWITCH	
35	91143333	1	WIPER-WASHER-HEATER HARNESS	
36	91143361	1	HEATER DECAL	

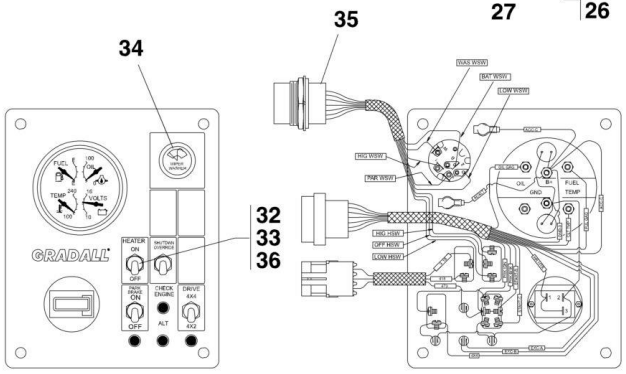
FIGURE 6-5. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012392 to Present, Including 0160012289)

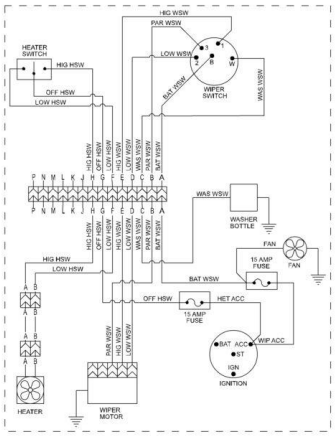




VIEW A-A

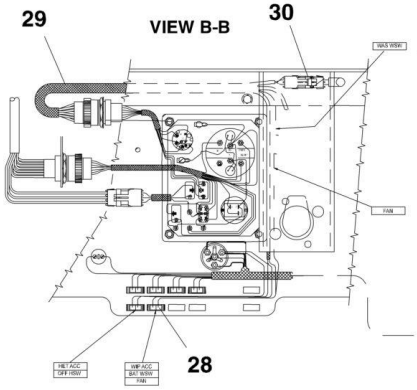






ELECTRICAL SCHEMATIC

VIEW B-B



VIEW C-C

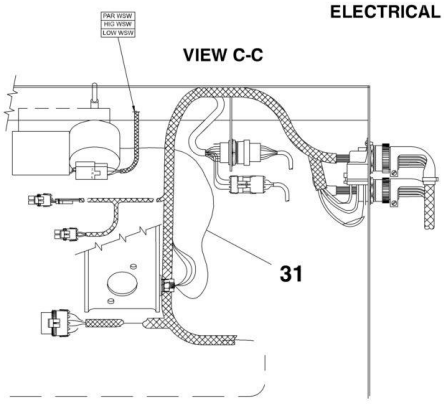
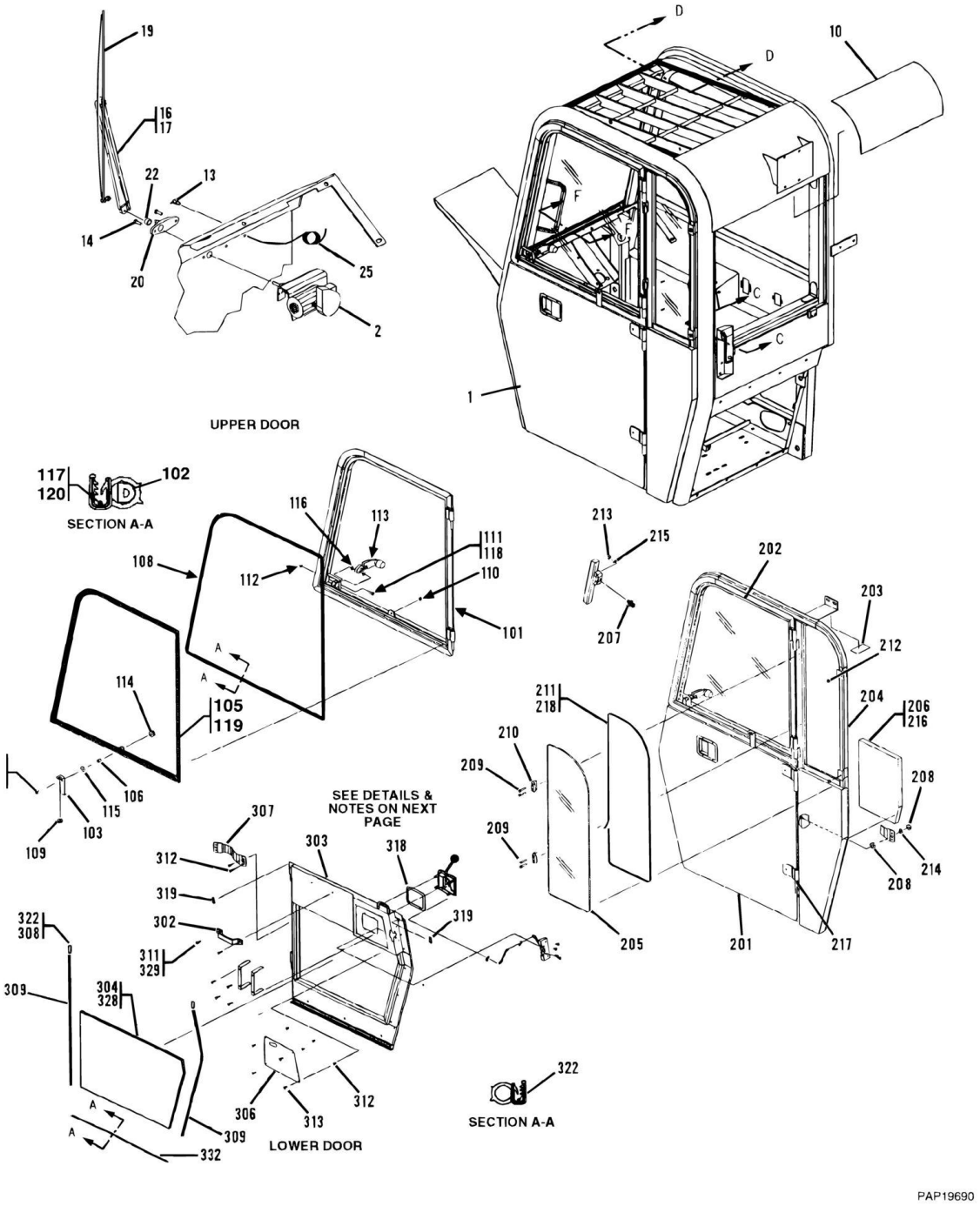


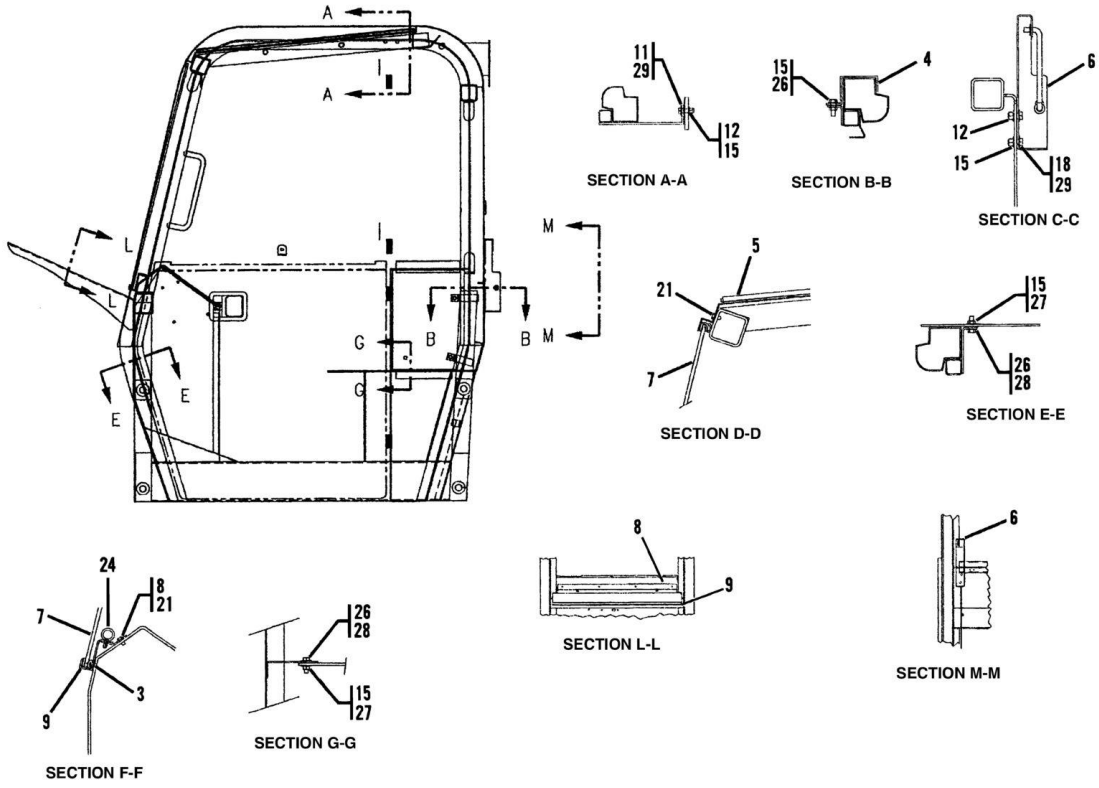
FIGURE 6-5. CAB ENCLOSURE KIT INSTALLATION (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012392 to Present, Including 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274497	1	CAB ENCLOSURE KIT INSTALLATION, , (includes all items) **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	D
	1001115867	1	CAB ENCLOSURE KIT INSTALLATION, , (includes all items except 21 thru 27) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	A
1		Ref	CAB ENCLOSURE KIT, (See CAB ENCLOSURE KIT for Breakdown)	
2	91125106	1	HEATER ASSY, (includes eight items below)	
2	91043429	1	HEATER	
2	70022026	1	HEATER FAN, 7 INCH	
2	82033996	6	FLEX LOOM	
2	80963057	1	TOWER	
2	80963068	2	FEMALE PIN TERMINAL	
2	80963067	2	CABLE SEALS	
2	91031521	2	HEATER MOUNTING BRACKET	
2	88201003	4	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
2	88551009	4	LOCKWASHER, 1/4	
3	77143004	4	WHIZ-LOCK SCREW	
4	77143006	4	WHIZ-LOCKNUT	
5	90206169	1	HEATER HOSE	
6	91141459	1	HEATER HOSE	
7	86683193	2	HOSE CLAMP	
8	86683480	1	BUTT CONNECTOR	
9	90200680	1	FAN	
10	90027214	6	RUBBER GROMMET	
12	88211030	4	SOCKET HD CAPSCREW, #10-24X3/4, GR8	
13	77143017	4	WHIX LOCKNUT, #10-24	
15	83683085	1	WASHER BOTTLE, **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
15	1001111112	1	WASHER BOTTLE **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
16	91146099	1	BOTTLE MOUNTING BRACKET	
17	88201003	6	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
18	88561009	6	LOCKWASHER, 1/4	
19	88501004	6	HEX NUT, 1/4-20	
20	77163102	1	INSULATION FEMALE SPADE, 16-14 GA	
21	80683073	1	FITTING ADAPTER	
22	91403443	1	BARB FITTING, 90	
23	80373046	1	FITTING	
24	77383540	1	COOLANT RESTRICTOR ORIFICE	
25	91083155	1	TRUCK VALVE	
26	86671187	2	HEATER HOSE CLAMP	
27	85941018	1	SUPPORT CLAMP	
28	77363268	2	15 AMP FUSE	
29	91143335	1	WIPER-HEATER OPTION HARNESS	
30	91123182	1	HEATER HARNESS	
31	91361018	1	JUMPER WIRE	
32	77383744	1	HEATER SWITCH	
33	77383470	1	BOOT	

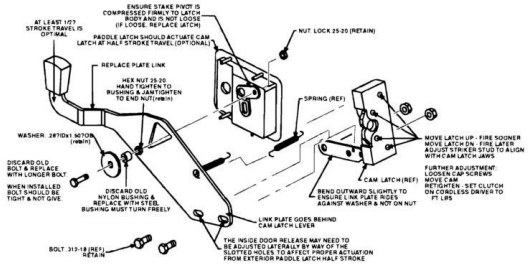
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
34	80963101	1	WIPER AND WASHER SWITCH	
35	91143333	1	WIPER-WASHER-HEATER HARNESS	
36	91143361	1	HEATER DECAL	

FIGURE 6-6. CAB ENCLOSURE KIT (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)





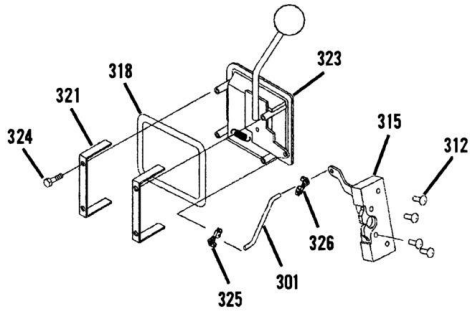
91343056
INSIDE & OUTSIDE LATCH KIT
USED IN CAB ENCLOSURE KITS PRIOR TO ANGUS-PALM SN T2702A & ENCLOSED CABS PRIOR TO SN T2705D.



NOTES:

1. REMOVE DOOR STIFFENER COVER & MOUNTING HARDWARE.
2. REMOVE INSIDE DOOR RELEASE MOUNTING HARDWARE. INCLUDING (1) .25-20X1.00 SCREW, (1) .28 ID X 1.00 OD WASHER, (1) NYLON BUSHING, (2) .312-18 LOCKNUT, (1) PLATE, DOOR LINK, & (1) .25-20 LOCKNUT.
3. INSTALL NEW INSIDE DOOR RELEASE HARDWARE AS SHOWN.
4. REVERSE SPRING ATTACHMENT AS SHOWN.
5. REPLACE DOOR STIFFENER COVER & HARDWARE.

PADDLE LATCH INSTALLATION
USED ON CAB ENCLOSURE KITS WITH ANGUS-PALM STARTING SN T2702A & ENCLOSED CABS STARTING SN T2705D



NOTE:

IF YOUR CAB ENCLOSURE CONTAINS THE LATCH ASSEMBLY, (SHOWN LEFT), IT IS RECOMMENDED TO UPDATE TO CURRENT STYLE , (SHOWN BELOW), BY ORDERING LATCH RETRO FIT KIT, 91144469, (SEE PARTS LIST FOR DETAILS).

PAP19860

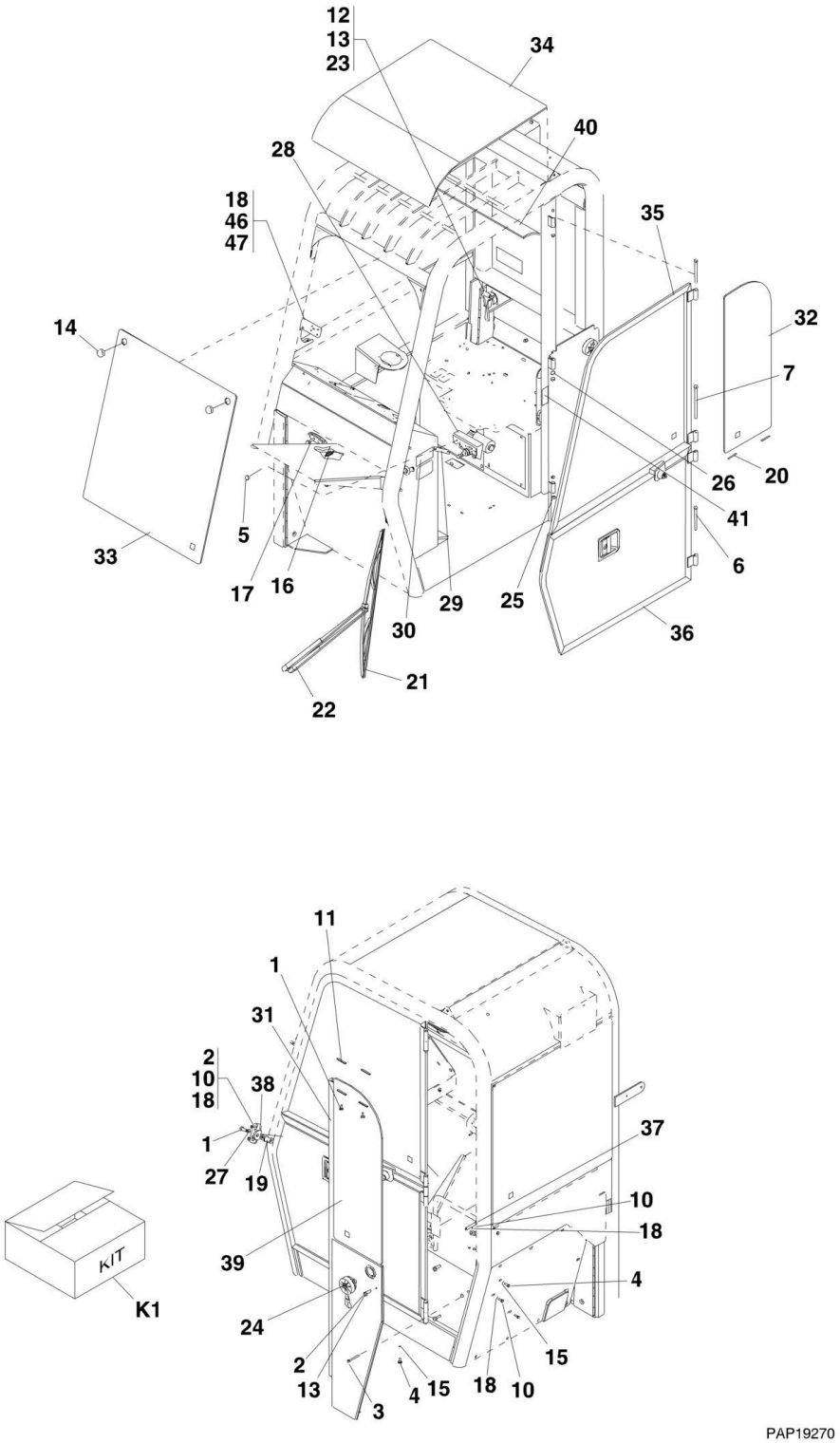
FIGURE 6-6. CAB ENCLOSURE KIT (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)

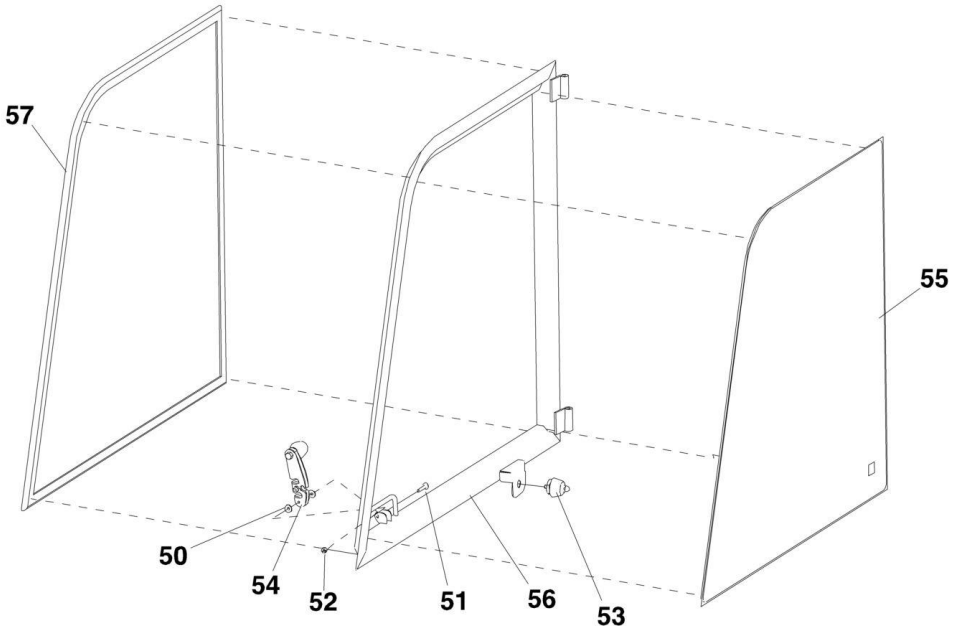
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143267	1	CAB ENCLOSURE KIT, (includes all items)	G
1	91334007	1	LH SIDE ASSY, (includes items 201 thru 218)	
2	91334008	1	WIPER MOTOR ASSY, (includes four items below)	
2	80384204	1	WIPER MOTOR, WWJ, 12V	
2	91144476	1	DRIVE ARM, 0.950IN LONG	
2	91144477	1	CONNECTING LINK	
2	91144478	1	SHAFT AND PIVOT ASSY	
3	91334009	2.25 ft	FOAM, .125X.75	
4	91334010	2	BRACKET, REAR LH PANEL CLAMP	
5	91363019	1	SKYLIGHT ASSY	
5	91164102	1	SKYLIGHT WINDOW, 6.4 (0.25), THICK STD LT GREEN TINT	
6	91334012	1	HOLD-OPEN BRACKET ASSY, (includes five items below)	
6	91344029	1	DOOR HOLD-OPEN ROD	
6	91344028	1	DOOR HOLD-OPEN BRACKET WELDMENT	
6	80264061	1	FLAT WASHER	
6	91344030		COTTER PIN, 1/8X.75	
6	91344019		GROMMET, .375X.875, .625 HOLE	
7	91334013	1	FRONT WINDOW ASSY, (includes three items below)	
7	91164099	1	FRONT WINDOW	
7	91344031	11 ft	SEAL, BULB, 90, 1/4 LIP	
7	91344006	1	EMERGENCY EXIT TAG	
8	91334014	1	ANGLE, FRONT WINDOW	
9	91334015	1	FRONT WINDOW BRACKET	
10	91334016	1	HEAD LINER FOAM	
11	91334017	2	HEX BOLT, .375-16X1.25, GR5	
12	91334018	4	LOCKNUT, .375-16	
13	1001081310	1	WET ARM ADAPTOR	
14	80384207	2	HEX SCREW, .25-28X.75, GR5	
15	91334021	11	SPRING WASHER, .402X.798 X.06T	
16	1001081311	1	WIPER ARM KIT	
17	1001081308	1	WIPER ARM	
18	91334024	2	HEX BOLT, .375-16X.875	
19	1001081309	1	24IN WIPER BLADE, FLEX	
20	1001081307	1	WIPER ARM ADAPTOR	
21	80264066	8	SCREW, M6 x 1.0X12	
22	91334135	1	SPACER	
24	91334028	2	DETENT RING PIN, .25	
25	91484020	10 ft	WASHER HOSE, .156X.344	
26	91334030	7	HEX BOLT, .312-18X1.00, GR5	
27	91334032	5	HEX NUT, .312-18, GR8	
28	91334032	8	FLAT WASHER, .313X.75X.06T	
29	91334033	6	FLAT WASHER, .375X.88X.07T	
30	91334034	2	BLACK URETHANE	
101	91344012	1	UPPER DOOR ASSY	
102	91344014	0.17 ft	FOAM, .438X.375	
103	91344016	1	DOOR HOLD-OPEN ANGLE	
105	91164100	1	UPPER DOOR GLASS	
106	91344015	1	BUSHING	
108	91484024	10.5 ft	BULB SEAL, 90	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	91344019	1	GROMMET, .375X.875, .625 HOLE	
110	80264078	1	LOCKNUT, .25-20	
111	91344017	2	SCREW, .25-20X1.25	
112	91344020	1	NUT, .25-20	
113	91344013	1	DOOR LATCH ASSY	
114	8035477	1	GROMMET, .51X1.06, .81 HOLE	
115	80264082	1	FLAT WASHER, .281X1.005X.06	
116	8036678	2	WASHER, .26IDX.68ODX.06	
117	91334034	AR	BLACK URETHANE	
118	91344018	AR	LOCTITE	
119	91164089	AR	GLASS PREP, POWER BOND	
120	91344046	AR	SUPER WEATHER STRIP SEALANT	
201	91344011	1	LOWER DOOR ASSY, (includes items 301 thru 332)	
202	91344010	1	UPPER DOOR ASSY, (includes items 101 thru 120)	
203	91144435	1	SN TAG	
204	N.S.S.	1	LH SIDE FRAME WELDMENT	
205	91164101	1	LH SIDE WINDOW	
206	91344025	1	FOAM, LH SIDE PANEL	
207	1001109478	1	STRIKER BOLT, .438-14X1.50	
208	91334018	2	LOCKNUT, .375-16	
209	80264034	4	FLANGE SCREW, #10-32X1.50, FLANGE	
210	80264033	2	WINDOW CLIP, BLACK	
211	91344031	7.5 ft	BULB SEAL, 90, 1/4IN CLIP	
212	80364024	2	BUMPER, 5/8 ODX11/32	
213	80264062	1	HEX NUT, .438-14, GR8	
214	91334033	1	FLAT WASHER, .375X.88X.07T	
215	80264061	1	FLAT WASHER,.438X1.00X.07T	
216	91344026	AR	ADHESIVE	
217		Ref	GREASE, WHITE LITHIUM W/TEFLON	
218	91344046	AR	WEATHERSTRIP	
301	91484035	1	LINKAGE ROD	
302	91344032	1	INSIDE GRAB HANDLE	
303		Ref	LOWER DOOR WELDMENT	
304	91344047	1	LOWER DOOR FOAM	
306	91484031	1	STIFFENER COVER	
307	91344027	1	DOOR STRAP	
308	91344045	2	VINYL CAP	
309	91484024	6 ft	BULB SEAL, 90	
311	91164096	2	FLANGE SCREW, .25-20X.75	
312	80264074	10	SCREW, .25-20X.75	
313	8866334	4	RIVNUT, .25-20	
315	91484036	1	CAM LATCH	
318	91484029	1.5 ft	BULB SEAL	
319	Bulk	0.5 ft	FOAM, 3/16X5/8	
321	91484034	2	MOUNTING BRACKET	
322	91344046	AR	SEALANT/ADHESIVE	
323	91484028	1	PADDLE LATCH	
324	80384191	4	10-24X.5 SCREW	
325	80384187	1	ROD RETAINER CLIP	
326	80384185	1	ROD RETAINER CLIP	
328	91344026	AR	ADHESIVE	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
329	91344018	AR	LOCTITE	
332	80264091	2.5 ft	BULB SEAL, 90	

FIGURE 6-7. CAB ENCLOSURE KIT (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)




57
55
50
54
52
51
56
53

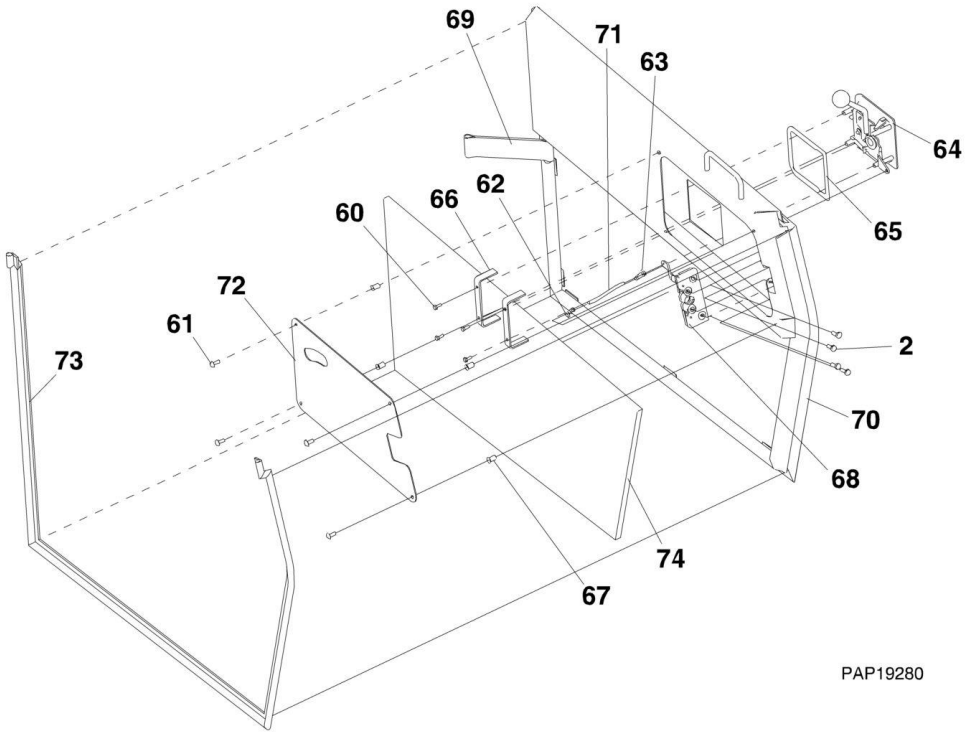

69
71
63
64
62
66
60
65
72
61
2
73
70
68
74
67
PAP19280

FIGURE 6-7. CAB ENCLOSURE KIT (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2915038	1	CAB ENCLOSURE KIT, (includes all items)	B
1	8033866	3	HEX HD BOLT, .38-16X3/4, GR8	
2	83201154	8	HEX HD BOLT, 1/4-20X3/4, GR8	
3	7028943	1	HEX HD BOLT, 1/4-20X2-1/2, GR8	
4	83201111	3	HEX HD BOLT, .31-18X1-1/2, GR8	
5	8036669	2	HEX HD BOLT, 1/4-28X1, GR4	
6	83201073	2	HEX HD BOLT, .38-16X4-1/2	
7	91404305	1	HEX HD BOLT, .38-16X6-1/2	
10	10701200	5	HEX NUT, 1/4-20, GR8	
11	88561003	4	FLAT WASHER, 3/8	
12	91404298	3	POP RIVET, 1/8	
13	8035642	3	PLAIN WASHER, .270	
14	91404296	2	ROUND PLUG, 1-1/4	
15	7028944	3	FLAT WASHER, .320	
16	1001081310	1	ADAPTOR, WET ARM	
17	8034815	1	PANTOGRAPHIC MOUNT PLATE	
18	80364063	9	FLAT WASHER, 9/32, GR8	
19	80364023	1	STRIKER BOLT, 3/8-16	
20	80264031	2	SETTING BLOCK, 1/8X1/4X2	
21	1001081309	1	WIPER BLADE, 24IN	
22	8035393	1	WIPER ARM, 24IN PANT	
23	91404301	1	EMERGENCY EXIT HAMMER W/CABLE	
24	91404303	1	DOOR HOLD-OPEN, FEMALE	
25	91404306	3	HEX NUT, .38-16	
26	7028945	4	4 FLAT WASHER, .400	
27	91404297	2	FLAT WASHER, .406	
28	8036670	1	FRONT WIPER MOTOR ASSY	
29	1001081306	1	FRONT WIPER SPACER	
30	7028946	1	SN TAG	
31	7028947	1	WELDMENT, LH SIDE	
32	7028948	1	GLASS, LH SIDE	
33	7028949	1	GLASS, FRONT	
34	7028950	1	SKYLIGHT CURVED GLASS	
35	7028951	1	UPPER DOOR ASSY, (includes items 50 thru 57, 80 & 81)	
36	7028952	1	LOWER DOOR ASSY, (includes items 2, 60 thru 74, 77 & 81)	
37	7028953	1	REAR STRAP	
38	7028954	1	STRIKER BOLT MOUNTING BRACKET	
39	7028955	1	FOAM, LH	
40	7028956	1	FOAM, ROOF	
41	7028957	1	SN TAG	
46	3900022	2	SELF DRILLING SCREW, 1/4X3/4	
47	7029209	1	FAN BRACKET WELDMENT	
50	8036678	2	FLAT WASHER, .260	
51	91344017	1	TORX BOLT, 1/4-20X1-1/4, GR5	
52	91344020	1	HEX NUT, 1/4X20, GR5	
53	91474492	1	DOOR HOLD-OPEN, MALE	
54	91344013	1	DOOR LATCH ASSY	
55	7028958	1	DOOR GLASS, UPPER	
56		Ref	UPPER DOOR WELDMENT	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
57	7028959	1	UPPER DOOR SEAL	
60	80384191	4	SCREW, #10-24X1/2, GR5	
61	91344043	4	TORX BOLT, 1/4-20X.62, GR5	
62	80384187	1	ROD END RETAINER CLIP	
63	80384185	1	ROD END RETAINER CLIP	
64	91484028	1	LATCH, LH	
65	91484029	1	GASKET, PADDLE LATCH	
66	91484034	2	MOUNTING BRACKET	
67	8866334	4	ROUND RIVNUT, 1/4-20	
68	91484036	1	CAM LATCH, LH	
69	80384218	1	DOOR STRAP, 6.5IN C-C, 1.88 WIDE	
70		Ref	LOWER DOOR WELDMENT	
71	91484035		LATCH RELEASE ROD	
72	7028960	1	LATCH COVER PLATE	
73	7028961	1	LOWER DOOR SEAL	
74	7028962	1	DOOR FOAM	
75	80364009	AR	URETHANE, SIKA, (not shown)	
76	91404302	AR	ACTIVATOR, SIKA, (not shown)	
77	91344026	AR	ADHESIVE, 3M-90 HIGH STRENGTH, (not shown)	
78	80364012	AR	SEALANT, TRIPOLYMER CLEAR, (not shown)	
79		Ref	GREASE, WHITE LITHIUM W/TEFLON, (not shown)	
80	91344046	1	SEALANT, SUPER WEATHER STRIP, (not shown)	
81	91344018	1	LOCTITE, BLUE, (not shown)	
K1	8036668	1	FRONT WIPER SERVICE KIT, (includes items 5, 16, 17, 21, 22, 28 & 29)	

FIGURE 6-8. DASH PANEL ASSEMBLY

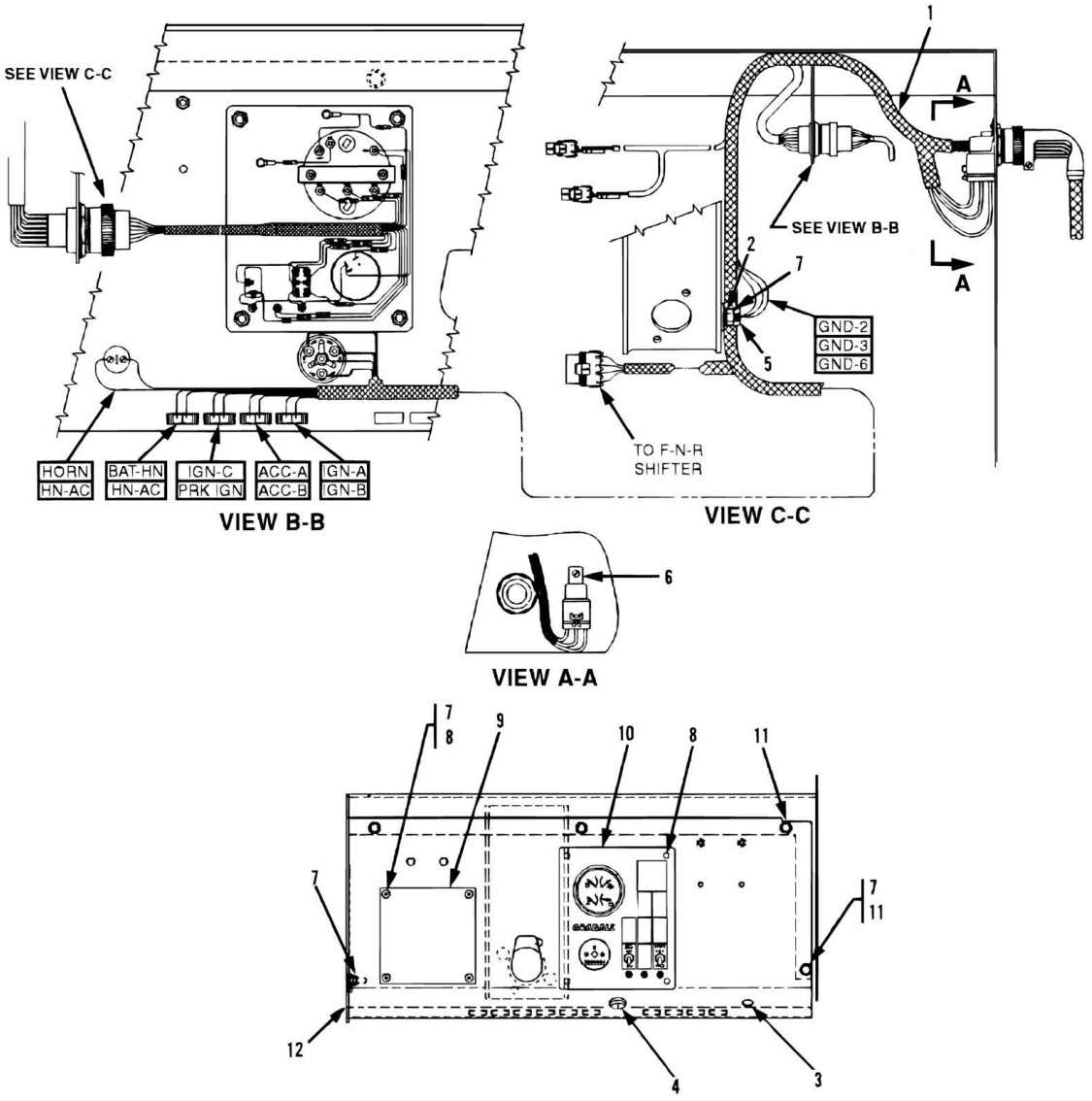


FIGURE 6-8. DASH PANEL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	DASH HARNESS ASSY, (See ELECTRICAL SECTION for Breakdown)	
2	88561003	1	FLAT WASHER, 1/2 **(534D-9 SN 0544001 through 0160002222, Excluding 0160002147, 0160002148 and 0160002149; 534D-10 SN 0366001 through 0160002219)**	
3	24771004	1	HORN BUTTON	
4	91033317	1	IGNITION SWITCH	
4	77384578	1	KEY	
5	24861170	1	CLAMP **(534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)**	
5	85941016	1	CLAMP **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
6	88321029	1	SELF TAPPING SCREW, #10-24X3/8	
7	77143006	7	WHIZ-LOCK NUT, 5/16-18	
8	88261022	8	SOCKET BUTTON HD CAPSCREW, 5/16-18x3/4	
9	91141480	1	COVER, **(534D-9 Prior to SN 0160027771; 534D-10 Prior to SN 0160027772)**	
10		Ref	GAUGE PANEL ASSY, (See GAUGE PANEL ASSYEMBLY for Breakdown)	
11	77143003	4	WHIZ-LOCK SCREW, 5/16-18X5/8	
12	91361008	1	DASH PANEL, **(534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)**	
12		Ref	DASH PANEL, (See OPEN CAB for Breakdown) **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	

FIGURE 6-9. GAUGE PANEL ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

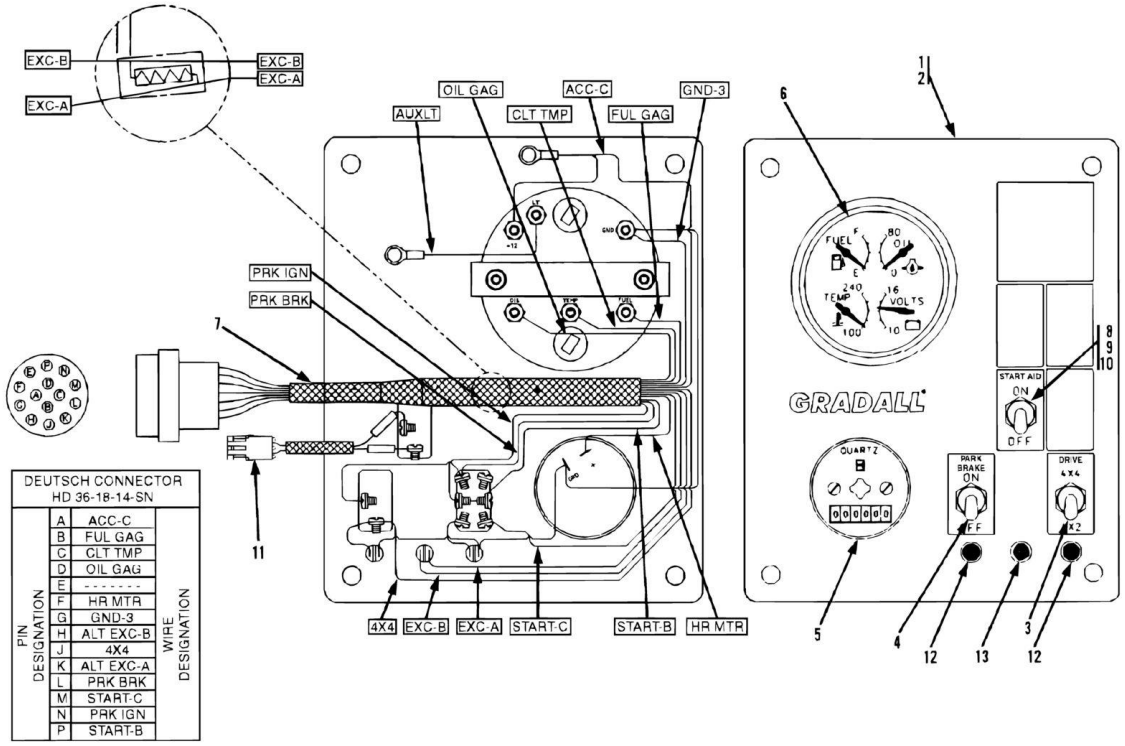
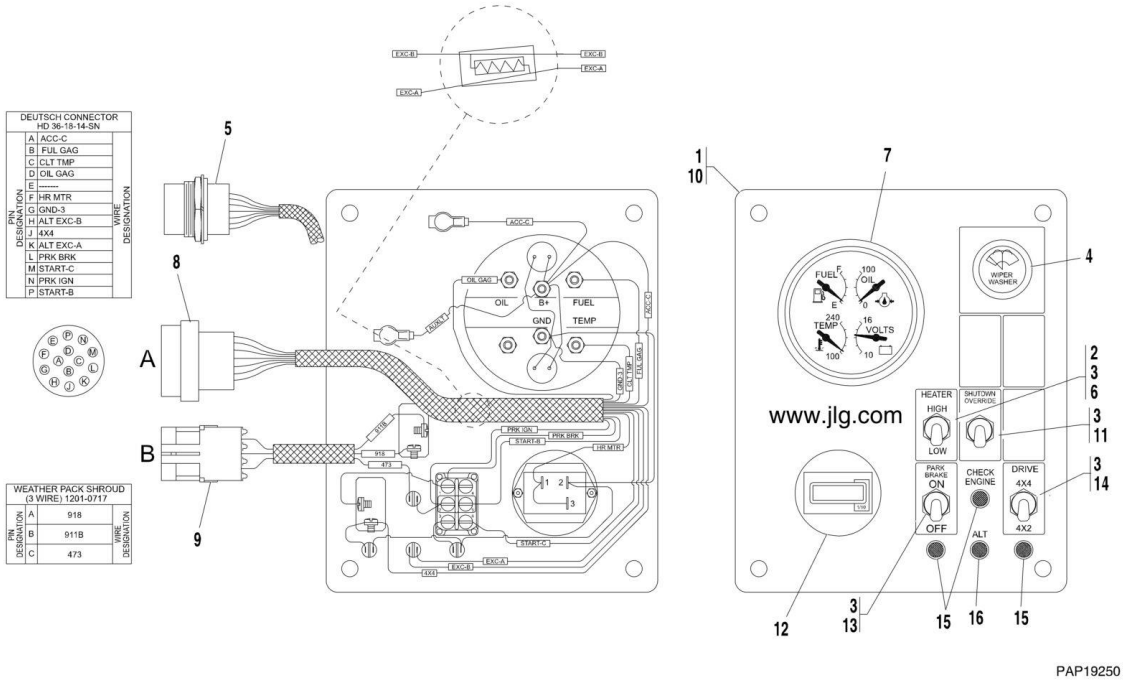


FIGURE 6-9. GAUGE PANEL ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365012	1	GAUGE PANEL ASSY, (includes all items)	
	91143331	1	GAUGE PANEL, (includes items 1 thru 7)	
1	91364004	1	PANEL ASSY, (includes front and back plates, acrylic lens and std labels)	
2	91364005	1	RUBBER BOOT	
3	77383467	1	TOGGLE SWITCH	
4	91143114	1	PARK BRAKE SWITCH	
5	91364006	1	HOURMETER	
6	91364007	1	4-IN-1 GAUGE, (oil, fuel, temp, volts)	
7	91364008	1	WIRE HARNESS	
8	91123181	1	TOGGLE SWITCH	
9	77383470	1	BOOT	
10	91123176	1	START AID DECAL	
11	91363034	1	START AID HARNESS	
12	91143128	2	AMBER INDICATOR LIGHT	
13	91143127	1	RED INDICATOR LIGHT	

FIGURE 6-10. GAUGE PANEL ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

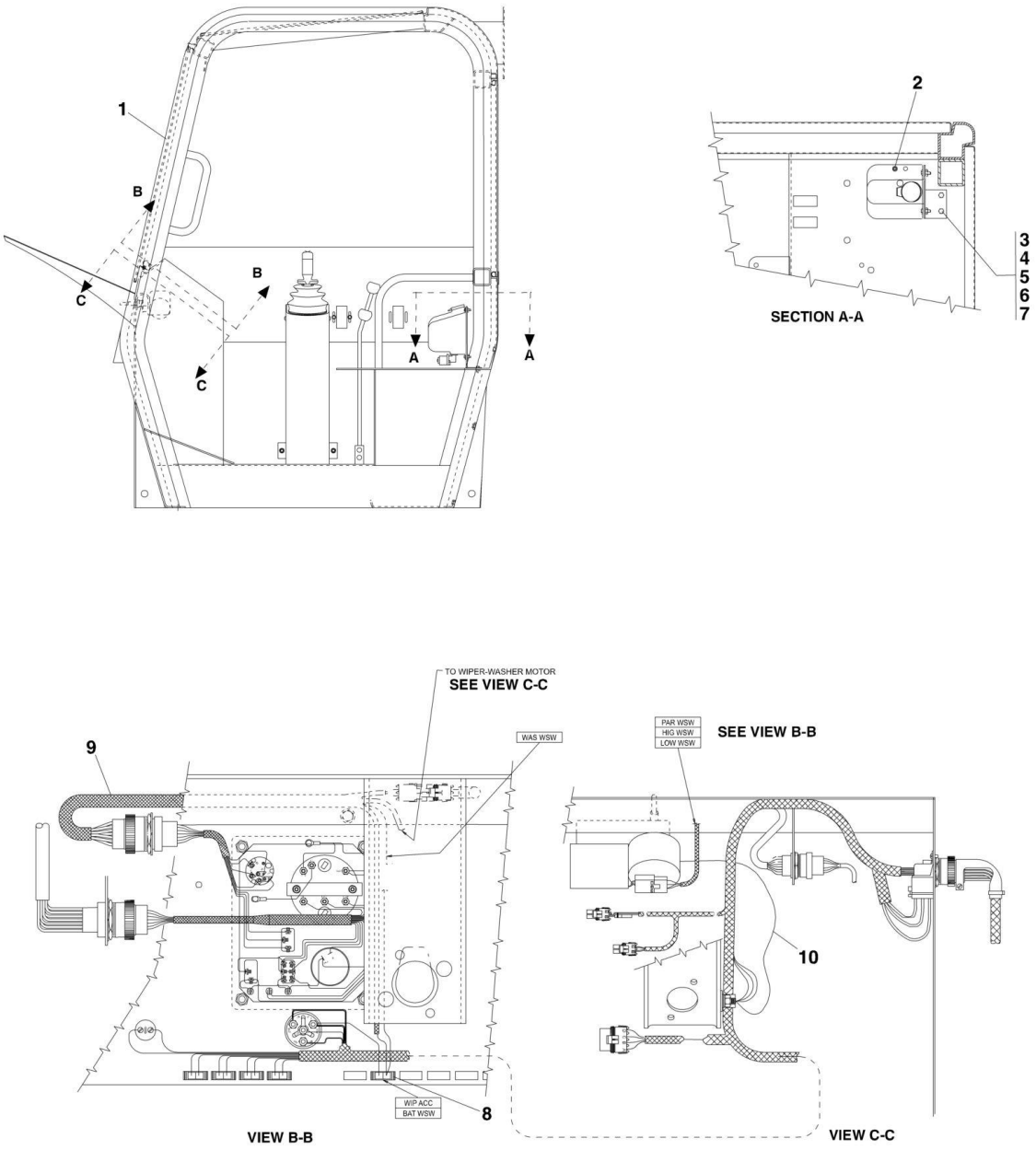


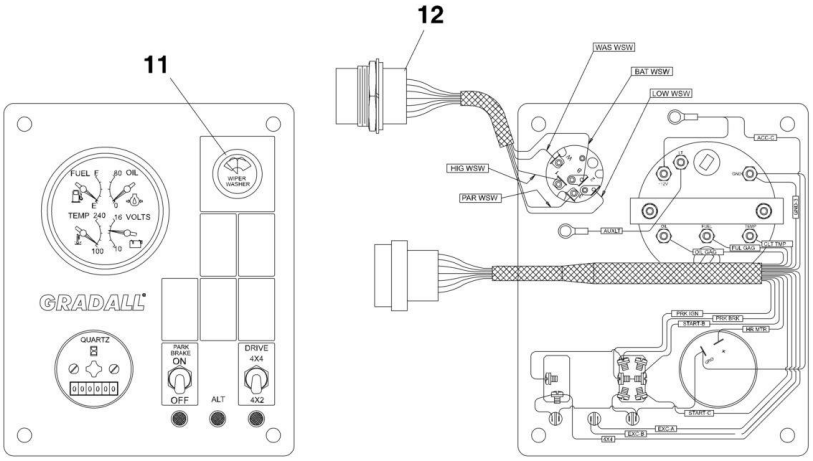
PAP19250

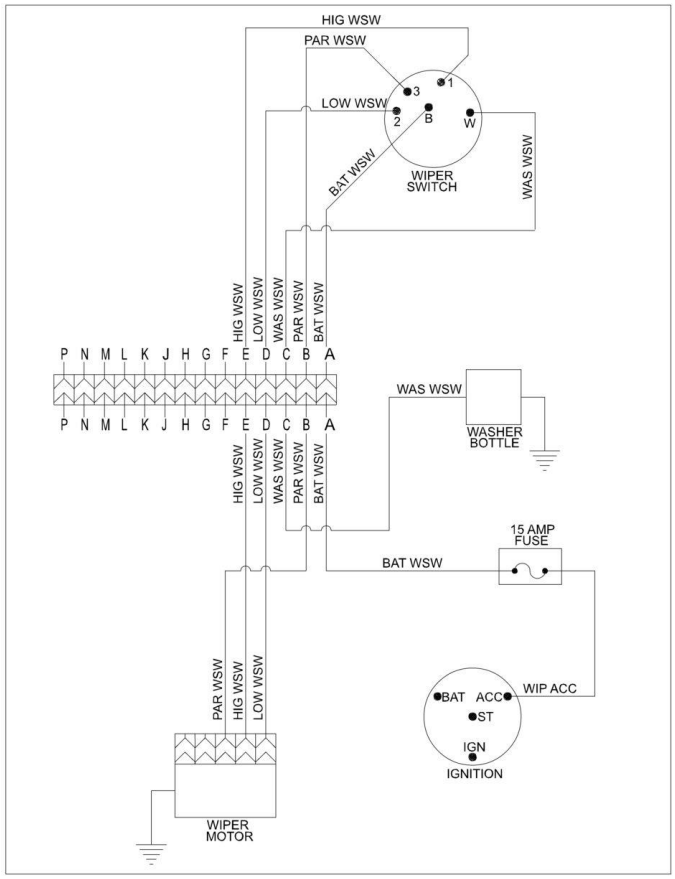
FIGURE 6-10. GAUGE PANEL ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91555010	1	GUAGE PANEL ASSY, (includes all items) **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	B
	1001101492	1	GUAGE PANEL ASSY, , (includes all items) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	C
	91553027	1	GAUGE PANEL, , (includes items 1, 7 thru 16 and three of item 3) **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	D
	1001095325	1	GAUGE PANEL, , (includes items 1, 7 thru 11, 12 thru 16 and three of item 3) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	D
1	91554037	1	PANEL ASSY, (includes front and back plates, acrylic lens and std labels)	
2	77383744	1	HEATER SWITCH	
3	77383470	4	BOOT	
4	80963101	1	WIPER AND WASHER SWITCH	
5	91143333	1	WIPER-WASHER-HEATER HARNESS	
6	91143361	1	HEATER DECAL	
7	91554038	1	4-IN-1 GAUGE, (oil, fuel, temp, volts)	
8	91364008	1	WIRE HARNESS	
9	91553029	1	SHUTDOWN SWITCH HARNESS	
10	91364005	1	RUBBER BOOT	
11	91123181	1	TOGGLE SWITCH	
12	91144473	1	HOURMETER	
13	91343074	1	TOGGLE SWITCH	
14	77383467	1	TOGGLE SWITCH	
15	91143128	3	AMBER INDICATOR LIGHT	
16	91143127	1	RED INDICATOR LIGHT	

FIGURE 6-11. WINDSHIELD/TOP WINDOW KIT INSTALLATION







ELECTRICAL SCHEMATIC FOR WIPER MOTOR ITEMS

FIGURE 6-11. WINDSHIELD/TOP WINDOW KIT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91375005	1	WINDSHIELD/TOP WINDOW KIT INSTALLATION, (includes all items)	B
1	91373011	1	WINDSHIELD/TOP WINDOW KIT	
2	90029955	1	RUBBER GROMMET	
3	83683085	1	WASHER BOTTLE, **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
3	1001111112	1	WASHER BOTTLE, **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
4	91146099	1	BOTTLE MOUNTING BRACKET	
5	0641406	6	HEX HD CAPSCREW, 1/4-20 X 3/4, GR5	
6	4761400	6	LOCKWASHER, 1/4	
7	88501004	6	HEX NUT, 1/4-20	
8	77363268	1	FUSE, 15A	
9	91143335	1	WIPER/HEATER OPTION HARNESS	
10	91361018	1	JUMPER WIRE	
11	80963101	1	WIPER/WASHER SWITCH	
12	91143333	1	WIPER/WASHER/HEATER HARNESS	

FIGURE 6-12. SKYLIGHT WIPER INSTALLATION

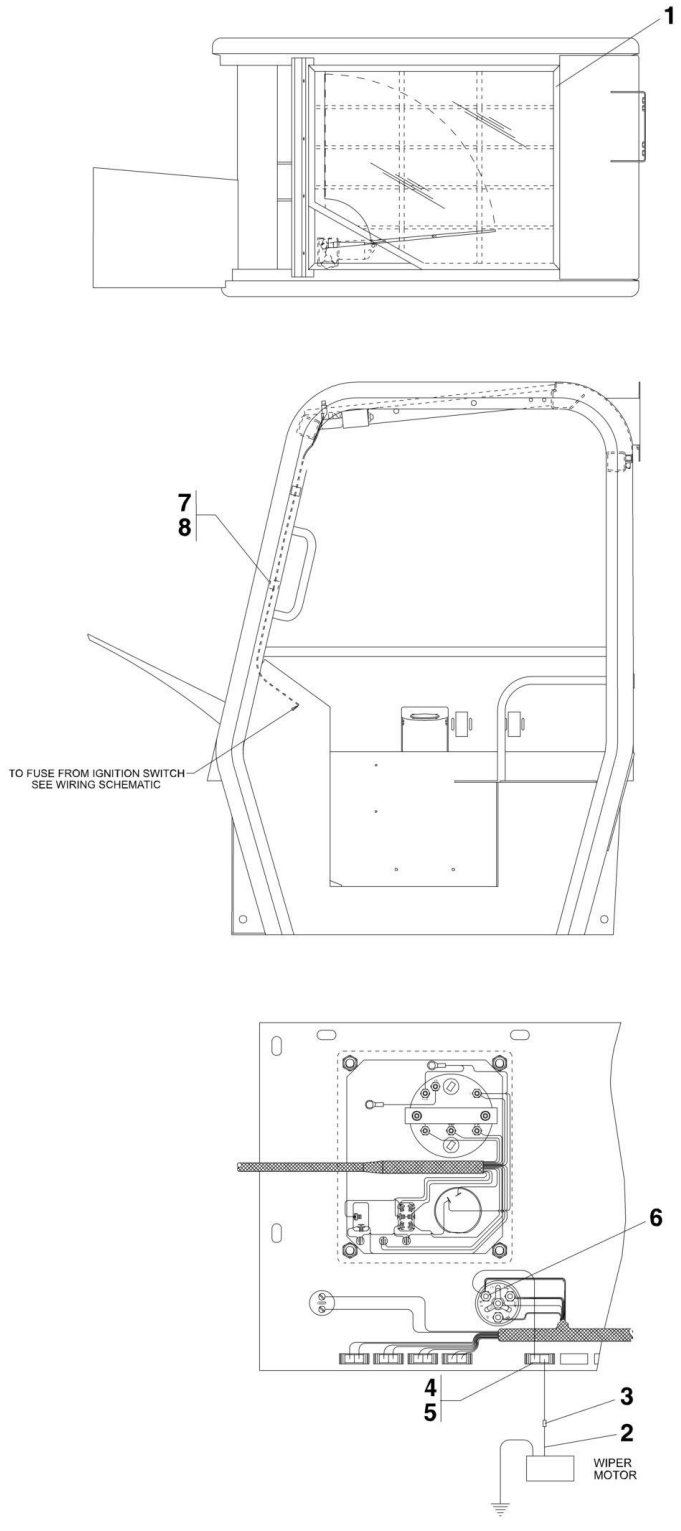


FIGURE 6-12. SKYLIGHT WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365016	1	SKYLIGHT WIPER INSTALLATION, (includes all items)	
1	91363037	1	SKYLIGHT WIPER KIT	
1	70021616	1	WIPER MOTOR	
1	8035500	1	WIPER ARM	
1	70021776	1	WIPER BLADE	
2	91141342	1	JUMPER WIRE	
3	86683480	1	BUTT CONNECTOR	
4	91143108	1	FUSE HOLDER	
5	77363268	1	FUSE, 15A	
6	86983188	1	EYELET	
7	83683181	2	TIE WRAP BASE	
8	91053419	2	TIE WRAP	

SECTION 7 - CONTROLS

FIGURE 7-1. BRAKE AND INCHING LINKAGE (534D-9 SN 0544001 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366001 through 0160000354)

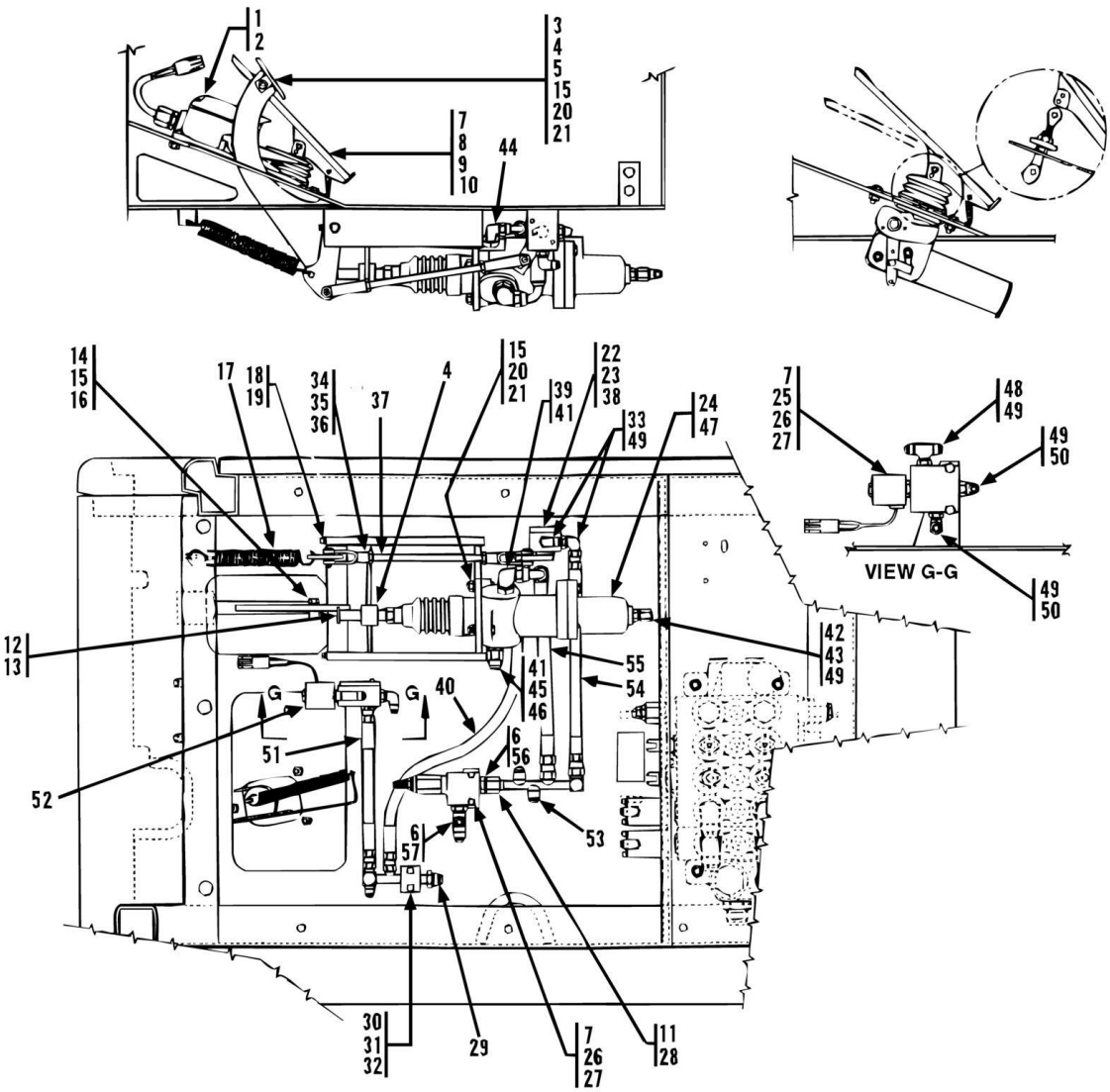


FIGURE 7-1. BRAKE AND INCHING LINKAGE (534D-9 SN 0544001 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366001 through 0160000354)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91163093	1	FOOT SWITCH	
2	88261017	3	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
3	91146108	1	BRAKE PEDAL	
4	91083136	4	BUSHING	
5	91146102	1	PEDAL WELDMENT	
6	88591205	2	O-RING	
7	88551009	7	LOCKWASHER, 1/4	
8	88501004	3	HEX NUT, 1/4-20	
9		Ref	ACCELERATOR CONTROL ASSY, (See ACCELERATOR PEDAL ASSEMBLY for Breakdown)	
10	88201003	3	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
11	91143200	1	RELIEF VALVE	
12	91081445	1	PUSH ROD	
13	88501408	1	HEX JAM NUT, 1/2-20	
14	91083312	1	CAM ROLLER	
15	88551010	5	LOCKWASHER, 5/16	
16	88501405	1	HEX JAM NUT, 5/16-24	
17	91043214	1	SPRING	
18	90200284	1	SHAFT	
19	88581303	2	RING RETAINER	
20	88201022	4	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
21	88501005	4	HEX NUT, 5/16-18	
22	91145088	1	INCHING VALVE ASSY, (includes items 33 thru 38)	
23	88212228	2	SOCKET HD CAPSCREW, 5/16-18x1-1/4, GR8	
24	91145089	1	BRAKE VALVE ASSY, (includes items 39 thru 47)	
25	91145087	1	SOLENOID VALVE ASSY, (includes items 48 thru 52)	
26	88201008	4	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
27	88561107	4	FLAT WASHER, 1/4	
28	91145086	1	RELIEF VALVE ASSY, (includes items 11 & 53 thru 57)	
29	91163109	1	HYDRAULIC TUBE	
30	91033138	1	TUBE CLAMP	
31	77133498	1	CLAMP COVER	
32	77133499	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
33	2220473	2	ELBOW, 90, (includes item 49)	
34	88821004	2	YOKE END	
35	88501406	2	HEX JAM NUT, 3/8-24	
36	90027987	2	SPRING PIN	
37	91081332	1	LINKAGE ROD	
38		Ref	INCHING VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
39	88662059	1	ELBOW, 90, (includes item 41)	
40	84718688	1	HOSE ASSY	
41	88591206	2	O-RING	
42	83633002	1	CONNECTOR **(534D-9 SN 0544001 through 0644895; 534D-10 SN 0366001 through 0366470)**	
42	2220371	1	CONNECTOR, (includes item 49) **(534D-9 SN 0644896 to Present; 534D-10 SN 0366471 to Present)**	
43	90207856	1	COPPER GASKET **(534D-9 SN 0544001 through 0644895; 534D-10 SN 0366001 through 03663470)**	
44	2220828	1	ELBOW, 90	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	2220374	1	CONNECTOR, (includes item 41)	
46	88662120	1	ELBOW, 45, (swivel nut)	
47		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
48	2220899	1	BRANCH TEE, (includes item 49)	
49		Ref	O-RING	
50	2220473	2	ELBOW, 90, (includes item 49)	
51	84718689	1	HOSE ASSY	
52		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
53	91163110	1	HYDRAULIC TUBE	
54	84718691	1	HOSE ASSY	
55	84718690	1	HOSE ASSY	
56	2220373	1	CONNECTOR, (includes item 6)	
57	2220602	1	RUN TEE, (includes item 6)	

FIGURE 7-2. BRAKE AND INCHING LINKAGE (534D-9 SN 0160000319 through 0160012394, Excluding 0160000335, 0160000337, 0160000341 and 0160012112; 534D-10 SN 0160000355 through 0160012392, Excluding 0160012289)

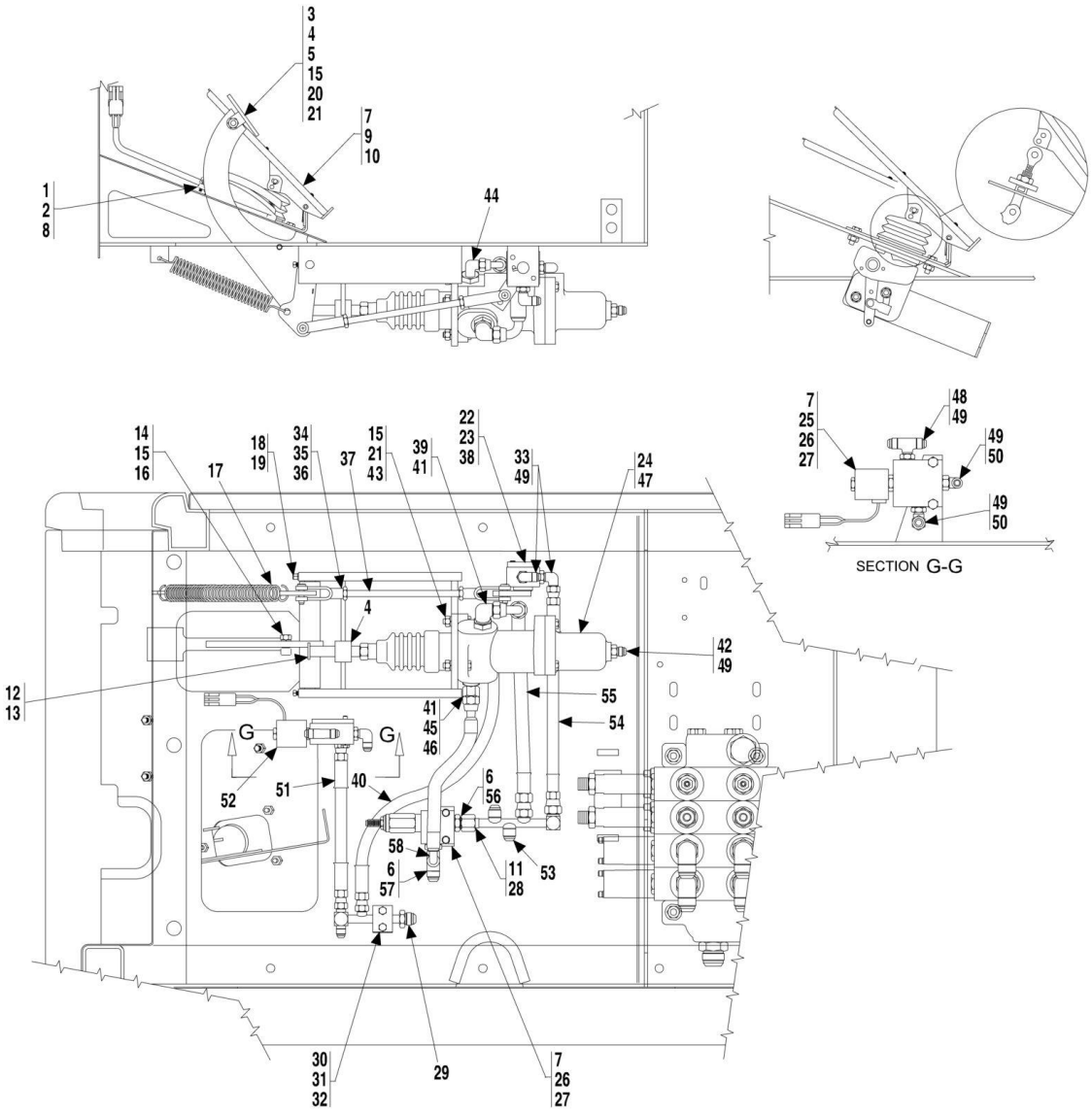


FIGURE 7-2. BRAKE AND INCHING LINKAGE (534D-9 SN 0160000319 through 0160012394, Excluding 0160000335, 0160000337, 0160000341 and 0160012112; 534D-10 SN 0160000355 through 0160012392, Excluding 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91343218	1	FOOT SWITCH	
2	88261011	2	SOCKET BUTTON HD CAPSCREW, #10-24X7/8	
3	91146108	1	BRAKE PEDAL	
4	91083136	4	BUSHING	
5	91146102	1	PEDAL WELDMENT	
6		Ref	O-RING	
7	88551009	7	LOCKWASHER, 1/4	
8	86683122	1	TIE WRAP	
9		Ref	ACCELERATOR CONTROL ASSY, (See ACCELERATOR PEDAL ASSEMBLY for Breakdown)	
10	88201003	3	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
11	91143200	1	RELIEF VALVE	
12	91081445	1	PUSH ROD	
13	88501408	1	HEX JAM NUT, 1/2-20	
14	91083312	1	CAM ROLLER	
15	88551010	5	LOCKWASHER, 5/16	
16	88501405	1	HEX JAM NUT, 5/16-24	
17	91043214	1	SPRING	
18	90200284	1	SHAFT	
19	88441001	2	RING RETAINER	
20	88201021	1	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
21	88501005	4	HEX NUT, 5/16-18	
22	91145088	1	INCHING VALVE ASSY, (includes items 33 thru 38)	
23	88212228	2	SOCKET HD CAPSCREW, 5/16-18x1-1/4, GR8	
24	91555011	1	BRAKE VALVE ASSY, (includes items 39 thru 42 & 44 thru 47)	
25	91145087	1	SOLENOID VALVE ASSY, (includes items 48 thru 52)	
26	88201008	4	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
27	88561107	4	FLAT WASHER, 1/4	
28	91145086	1	RELIEF VALVE ASSY, (includes items 11 & 53 thru 57)	
29	91163109	1	HYDRAULIC TUBE	
30	91033138	1	TUBE CLAMP	
31	77133498	1	CLAMP COVER	
32	77133499	2	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
33	2220473	2	ELBOW, 90, (includes item 49)	
34	88821004	2	YOKE END	
35	88501406	2	HEX JAM NUT, 3/8-24	
36	90027987	2	SPRING PIN	
37	91081332	1	LINKAGE ROD	
38		Ref	INCHING VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
39	2220671	1	ELBOW, 90, (includes item 41)	
40	84718688	1	HOSE ASSY	
41		Ref	O-RING	
42	2220371	1	ADAPTER, (includes item 49)	
43	88201022	3	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
44	2220828	1	ELBOW, 90	
45	2220374	1	ADAPTER, (includes item 41)	
46	2220683	1	ELBOW, 45, (swivel nut)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
48	2220899	1	BRANCH TEE, (includes item 49)	
49		Ref	O-RING	
50	2220473	2	ELBOW, 90, (includes item 49)	
51	84718689	1	HOSE ASSY	
52		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
53	91163110	1	HYDRAULIC TUBE	
54	84718691	1	HOSE ASSY	
55	84718690	1	HOSE ASSY	
56	2220373	1	ADAPTER, (includes item 6)	
57	2220602	1	TEE FITTING, (includes item 6)	
58	84718687	1	HOSE ASSY	

FIGURE 7-3. BRAKE AND INCHING LINKAGE (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)

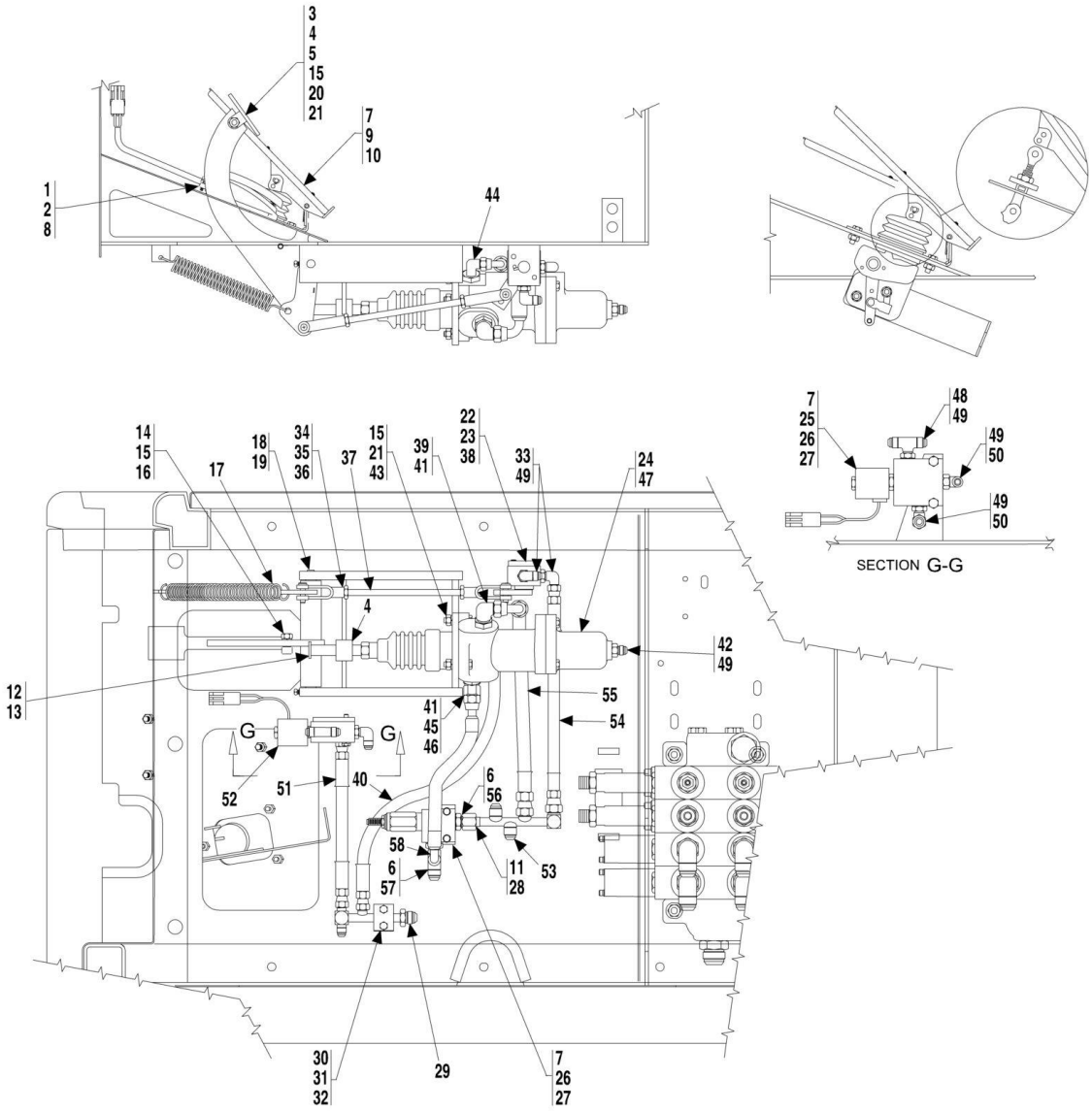


FIGURE 7-3. BRAKE AND INCHING LINKAGE (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91343218	1	FOOT SWITCH	
2	88261011	2	SOCKET BUTTON HD CAPSCREW, #10-24X7/8	
3	91146108	1	BRAKE PEDAL	
4	91083136	4	BUSHING	
5	91146102	1	PEDAL WELDMENT	
6		Ref	O-RING	
7	88551009	7	LOCKWASHER, 1/4	
8	86683122	1	TIE WRAP	
9		Ref	ACCELERATOR CONTROL ASSY, (See ACCELERATOR PEDAL ASSEMBLY for Breakdown)	
10	88201003	3	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
11	91143200	1	RELIEF VALVE	
12	91081445	1	PUSH ROD	
13	88501408	1	HEX JAM NUT, 1/2-20	
14	91083312	1	CAM ROLLER	
15	88551010	5	LOCKWASHER, 5/16	
16	88501405	1	HEX JAM NUT, 5/16-24	
17	91043214	1	SPRING	
18	3423212	1	SHAFT	
19	88581303	2	RING RETAINER	
20	88201021	1	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
21	88501005	4	HEX NUT, 5/16-18	
22	91145088	1	INCHING VALVE ASSY, (includes items 33 thru 38)	
23	88212228	2	SOCKET HD CAPSCREW, 5/16-18x1-1/4, GR8	
24	91555011	1	BRAKE VALVE ASSY, (includes items 39 thru 42 & 44 thru 47)	
25	91145087	1	SOLENOID VALVE ASSY, (includes items 48 thru 52)	
26	88201008	4	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
27	88561107	4	FLAT WASHER, 1/4	
28	91145086	1	RELIEF VALVE ASSY, (includes items 11 & 53 thru 57)	
29	91163109	1	HYDRAULIC TUBE	
30	91033138	1	TUBE CLAMP	
31	77133498	1	CLAMP COVER	
32	88201007	2	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
33	2220473	2	ELBOW, 90, (includes item 49)	
34	88821004	2	YOKE END	
35	88501406	2	HEX JAM NUT, 3/8-24	
36	90027987	2	SPRING PIN	
37	91081332	1	LINKAGE ROD	
38		Ref	INCHING VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
39	2220671	1	ELBOW, 90, (includes item 41)	
40	84718688	1	HOSE ASSY	
41		Ref	O-RING	
42	2220371	1	ADAPTER, (includes item 49)	
43	88201022	3	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
44	2220828	1	ELBOW, 90	
45	2220374	1	ADAPTER, (includes item 41)	
46	2220683	1	ELBOW, 45, (swivel nut)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
48	2220899	1	BRANCH TEE, (includes item 49)	
49		Ref	O-RING	
50	2220473	2	ELBOW, 90, (includes item 49)	
51	84718689	1	HOSE ASSY	
52		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
53	91163110	1	HYDRAULIC TUBE	
54	84718691	1	HOSE ASSY	
55	84718690	1	HOSE ASSY	
56	2220373	1	ADAPTER, (includes item 6)	
57	2220602	1	TEE FITTING, (includes item 6)	
58	84718687	1	HOSE ASSY	

FIGURE 7-4. ACCELERATOR PEDAL ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

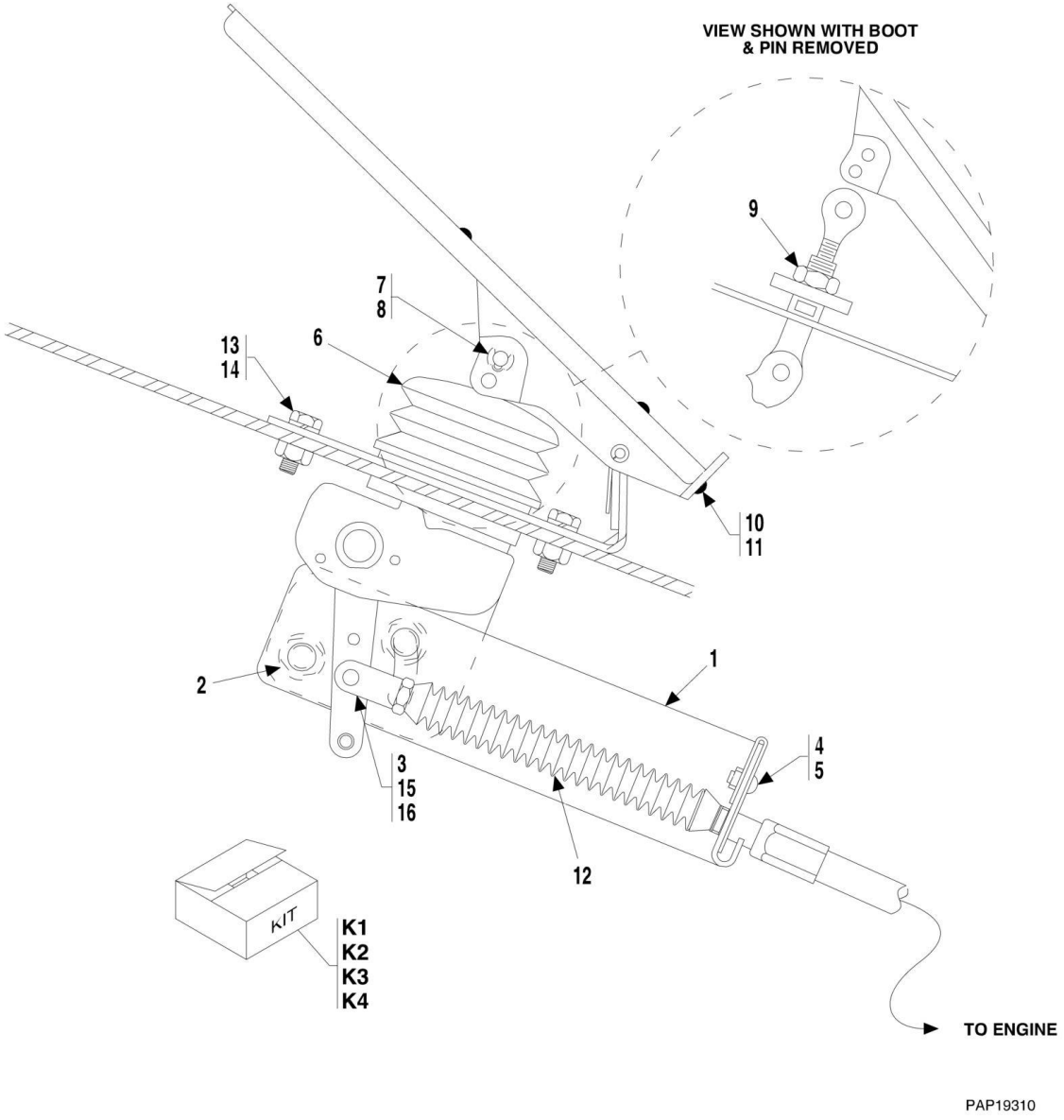
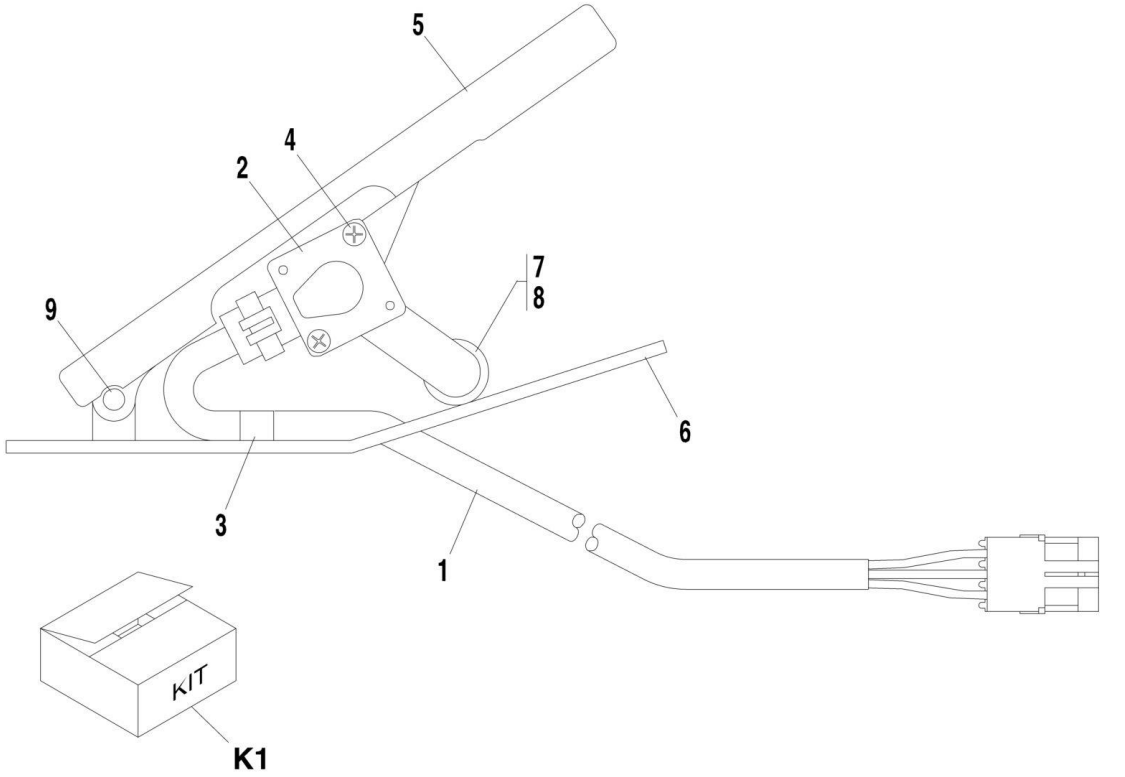


FIGURE 7-4. ACCELERATOR PEDAL ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143342	1	ACCELERATOR PEDAL ASSY, (includes items 1, 2 & 4 thru 11)	B
1	Kit	1	CABLE SUPPORT	
2	Kit	2	FLANGE NUT	
3	88631301	1	COTTER PIN	
4	Kit	1	LOCK PLATE	
5	Kit	1	CAPSCREW	
6	Kit	1	BOOT	
7	Kit	1	PIN	
8	Kit	1	COTTER HAIRPIN	
9	Kit	1	JAM NUT	
10	Kit	1	HEEL REST	
11	Kit	2	SCREW, (self-tapping)	
12		Ref	ACCELERATOR CABLE, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
13	88201003	3	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
14	88551009	3	LOCKWASHER, 1/4	
15	90027684	1	CLEVIS	
16	88633001	1	CLEVIS PIN	
K1	91144431	1	CABLE SUPPORT BRACKET KIT, (includes items 1 & 2)	
K2	91144432	1	CABLE ATTACH KIT, (includes items 4 & 5), (discard clevis, clevis pin and cotter hairpin, not shown, and replace with items 3, 15 & 16)	
K3	91144197	1	BOOT KIT, (includes items 6 thru 9)	
K4	91144433	1	HEEL REST KIT, (includes items 10 & 11)	

FIGURE 7-5. ACCELERATOR PEDAL ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

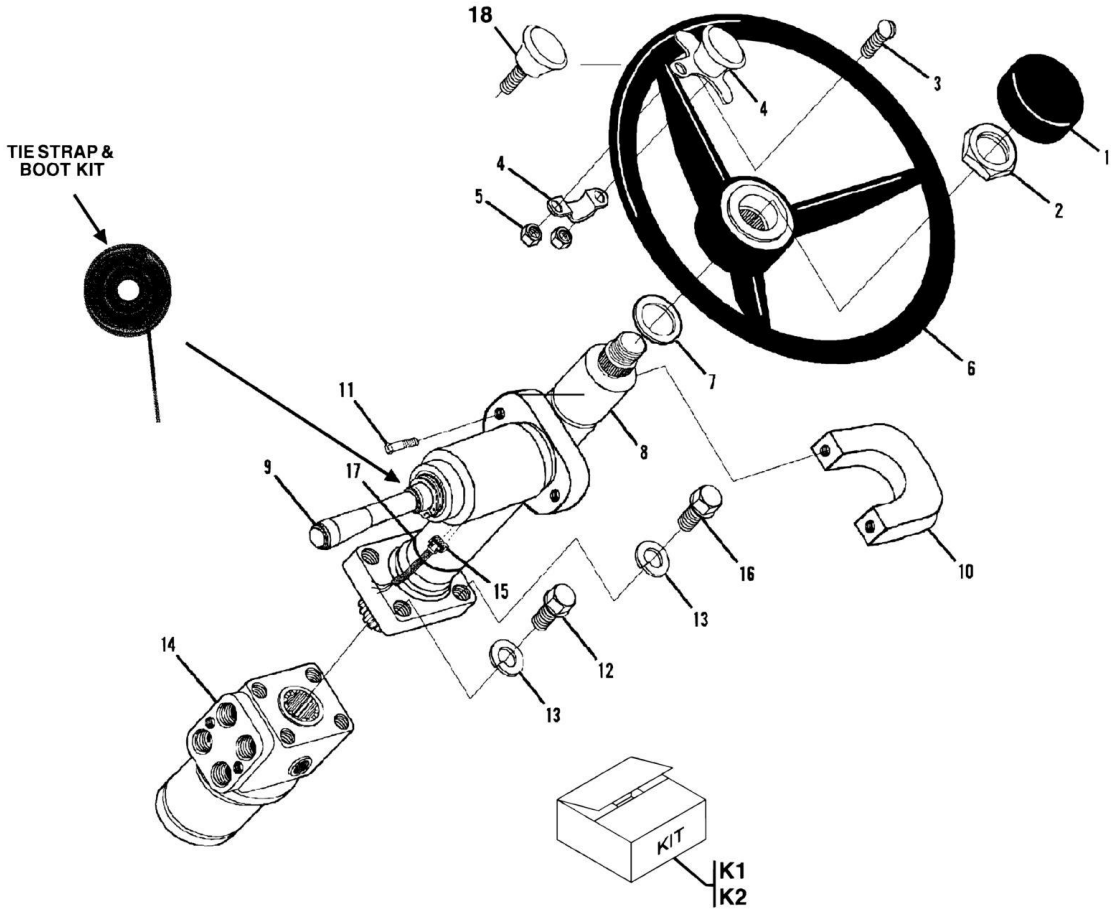


PAP19260

FIGURE 7-5. ACCELERATOR PEDAL ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91553044	1	ACCELERATOR PEDAL ASSY, (includes all items) **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	B
	3400022	1	ACCELERATOR PEDAL ASSY, (includes all items) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	C
1	91554001	1	WIRE HARNESS **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
1	70024345	1	WIRE HARNESS **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
2	Kit	1	SENSOR	
3	Kit	1	CLAMP	
4	Kit	2	SCREW	
5	91554005	1	TREADLE COVER	
6	N.S.S.	1	BASE PLATE	
	70020404	Ref	ROLLER ASSY, (includes items 7 & 8)	
7	Kit	1	ROLLER	
8	Kit	1	ROLLER PIN	
9	91554009	1	TREADLE PIN KIT **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
9	70024346	1	TREADLE PIN KIT **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
K1	91554010	1	SENSOR KIT, (includes items 1 thru 4) **(534D-9 Prior to SN 0160036569, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
K1	70024347	1	SENSOR KIT, (includes items 1 thru 4) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	

FIGURE 7-6. STEERING COLUMN AND ATTACHING PARTS



NOTE:

WHEN ITEM 9 IS ORDERED, REPLACE SCREWS PROVIDED FROM VENDOR WITH ITEM 11.

PAP19950

FIGURE 7-6. STEERING COLUMN AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026477	1	STEERING CAP	
2	70020923	1	STEERING WHEEL NUT	
3	88301311	2	FLAT HD MACHINE SCREW, 1/4-20X1	
4	90202230	1	SPINNER KNOB, (includes items 3 & 5)	
5	88501616	2	HEX NUT, 1/4-20	
6	90600273	Ref	STEERING WHEEL, (not available to order, see 91563208 for service)	
6	91563208	1	STEERING WHEEL, (includes items 1 & 18)	F
7	91144192	1	WASHER	
8	91163012	1	STEERING COLUMN, (includes items 2 & 7)	
9	91363025	1	F/N/R SHIFTER, (includes item 10)	
10	91144458	1	CLAMP SET	
11	83191059	2	HEX HD CAPSCREW, M5X0.8, (torque to 30-35 in lbs)	
12	88201035	2	HEX HD CAPSCREW, 3/8-16X1	
13	88551011	4	LOCKWASHER, 3/8	
14	91143020	1	STEERING CONTROL UNIT	
14	91124093	1	CHECK VALVE	
15		Ref	DASH WIRING HARNESS, (See CAB SECTION for Breakdown)	
16	88201033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5	
17	86683122	1	TIE WRAP	
18	7026478	1	SPINNER KNOB	
K1	91144190	Ref	STEERING CONTROL UNIT SEAL KIT	
K2	91144448	1	TIE STRAP AND BOOT KIT	

FIGURE 7-7. CAB RIGHT SIDE CONTROLS

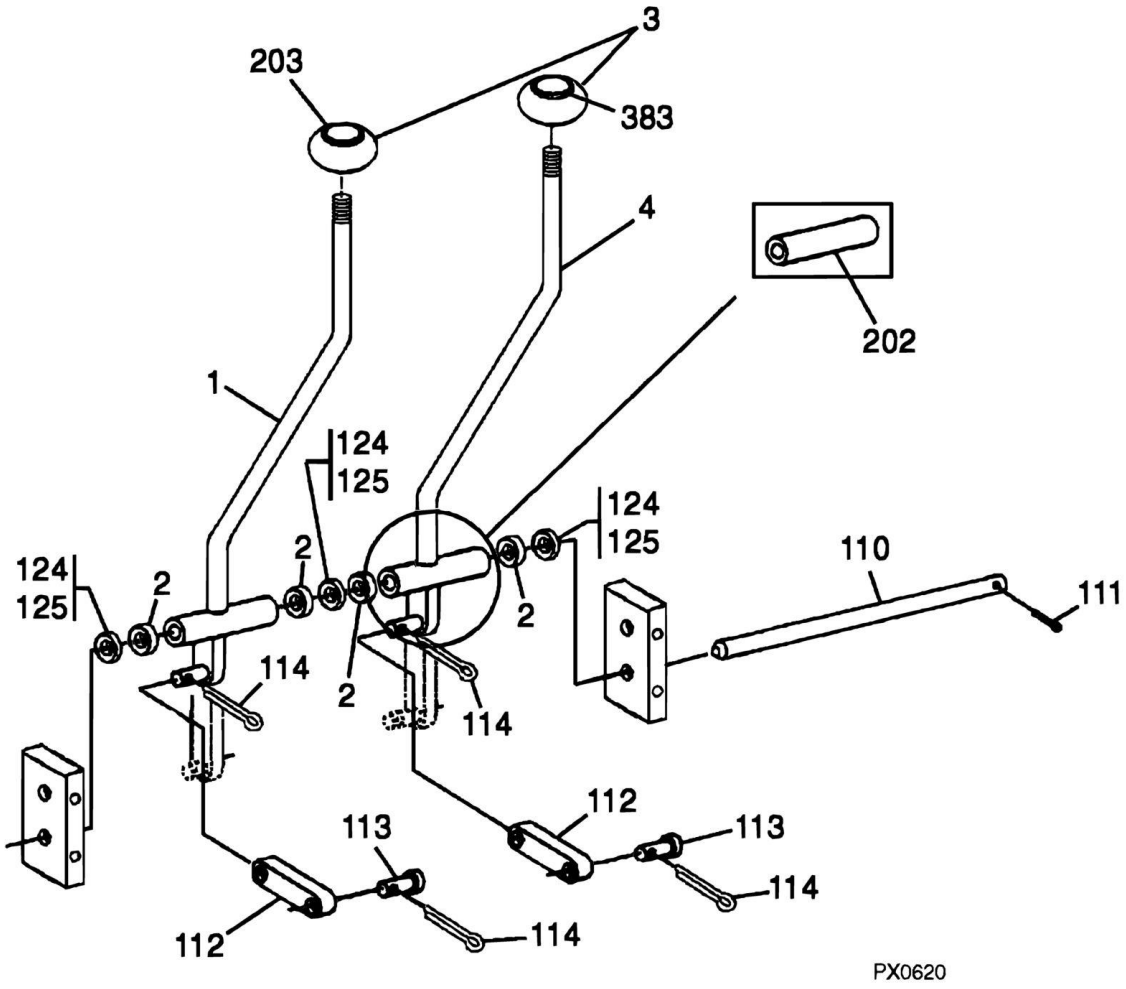


FIGURE 7-7. CAB RIGHT SIDE CONTROLS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365019	1	AUXILIARY CONTROL LEVER ASSY, (if equipped), (includes items 1 thru 3), , **(534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present)**	B
	91145090	1	SWAY CONTROL LEVEL ASSY, (includes items 1 thru 3), (if equipped)	B
	91145091	1	TILT CONTROL LEVEL ASSY, (includes items 2 thru 4), (if equipped)	B
1	91366009	1	LEVER WELDMENT, (AUXILIARY) **(534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present)**	
1	91146043	1	LEVER WELDMENT, (SWAY)	
2	91083136	2	BUSHING	
3	90200638	1	KNOB	
4	91146042	1	LEVER WELDMENT, (TILT)	
110	91081354	1	SHAFT	
111	88631338	1	COTTER PIN	
112	91361023	1	LINK	
113	90021552	1	CLEVIS PIN	
114	91363036	2	PIN	
124	90028662	3	WAVE BEND WASHER	
125	88561113	9	FLAT WASHER	
202	91301020	1	SPACER	
203	91083547	1	AUXILIARY DECAL **(534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present)**	
203	91083318	1	SWAY DECAL	
383	91083317	1	TILT DECAL	
N1	Note	Ref	**ITEMS 112 THRU 114 HAVE A QUANTITY SHOWN PER LEVER**	
N2	Note	Ref	**ITEM NUBERS NOT LISTED ARE NOT USED ON THIS FIGURE**	

FIGURE 7-8. JOYSTICK ASSEMBLY

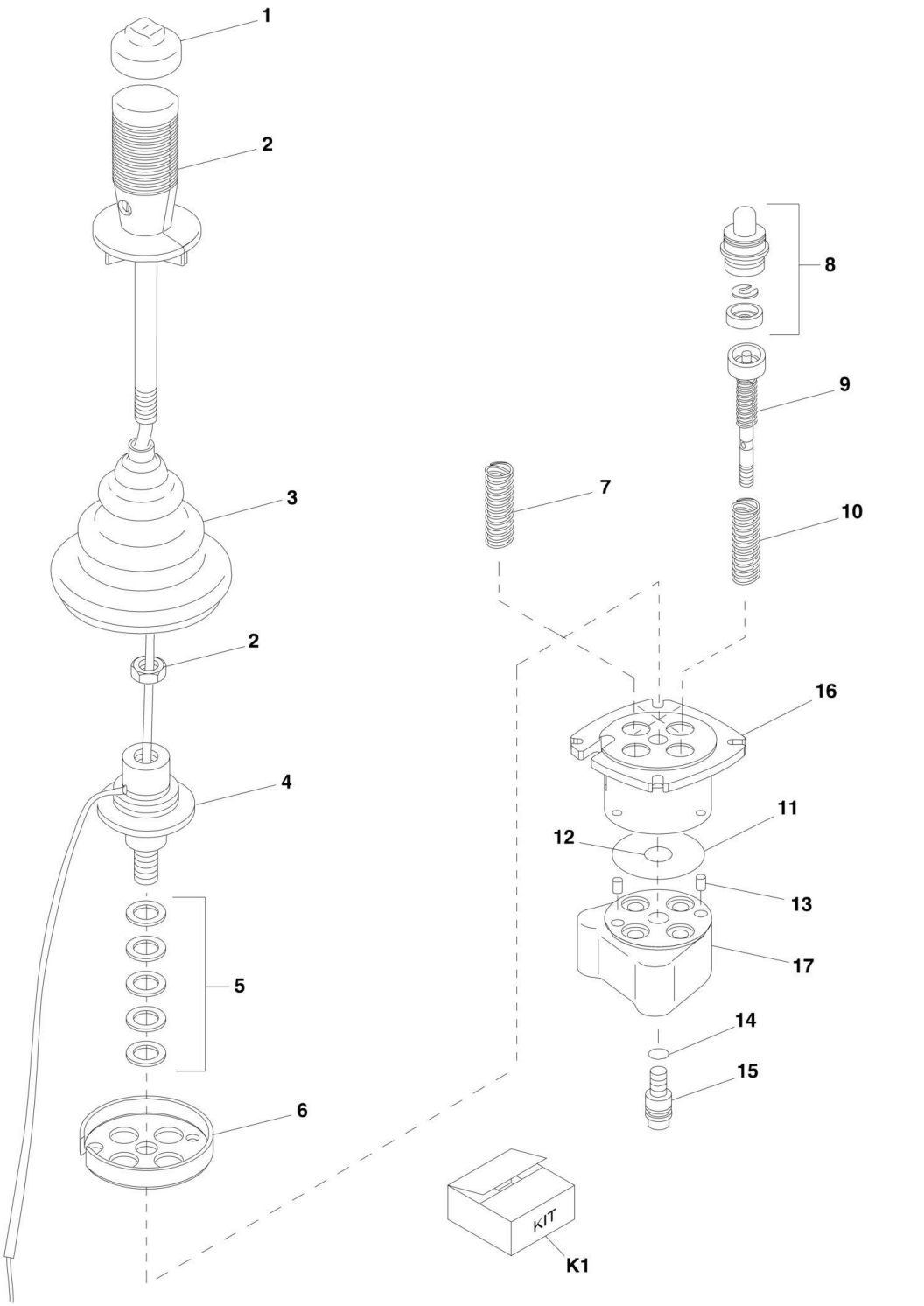
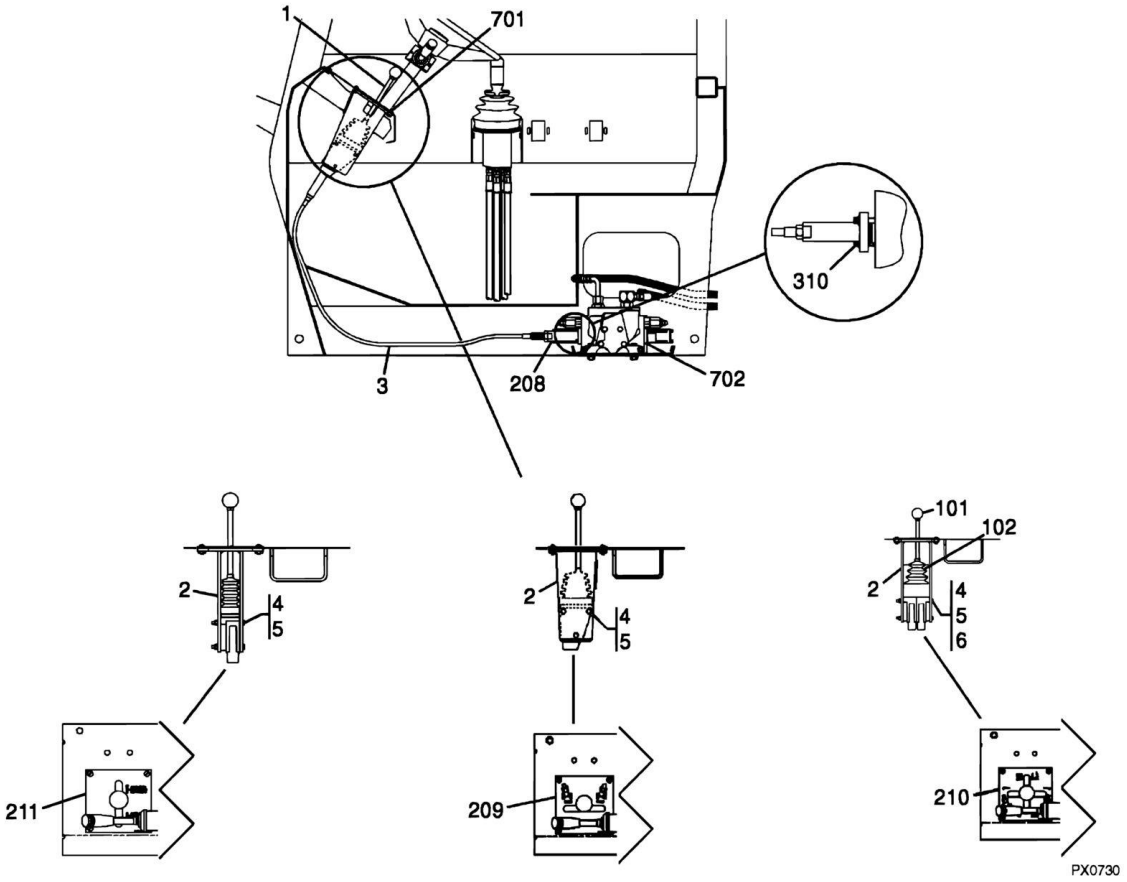


FIGURE 7-8. JOYSTICK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91303037	1	JOYSTICK ASSY, (includes all items)	A
1	80934658	1	CAP	
2	80934656	1	HANDLE GRIP KIT	
3	80934241	1	BOOT	
4	80264140	1	CARDAN KIT, (includes item 5)	
5	Bulk	AR	SHIM	
6	91304026	1	RETAINING PLATE	
7	91504029	1	STANDARD SPRING, (pack of two), (ports 2 & 4)	
8	80934498	4	PLUNGER AND GUIDE KIT	
9	91404327	4	REGULATING KIT	
10	91504028	1	HEAVY SPRING, (pack of two), (ports 1 & 3)	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	2	PIN	
14	Kit	1	O-RING	
15	Kit	1	SCREW	
16	N.S.S.	1	UPPER BODY	
17	N.S.S.	1	LOWER BODY	
K1	91404326	1	SEAL KIT, (includes items 11 thru 15)	

FIGURE 7-9. CAB LEFT SIDE CONTROLS (534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present)



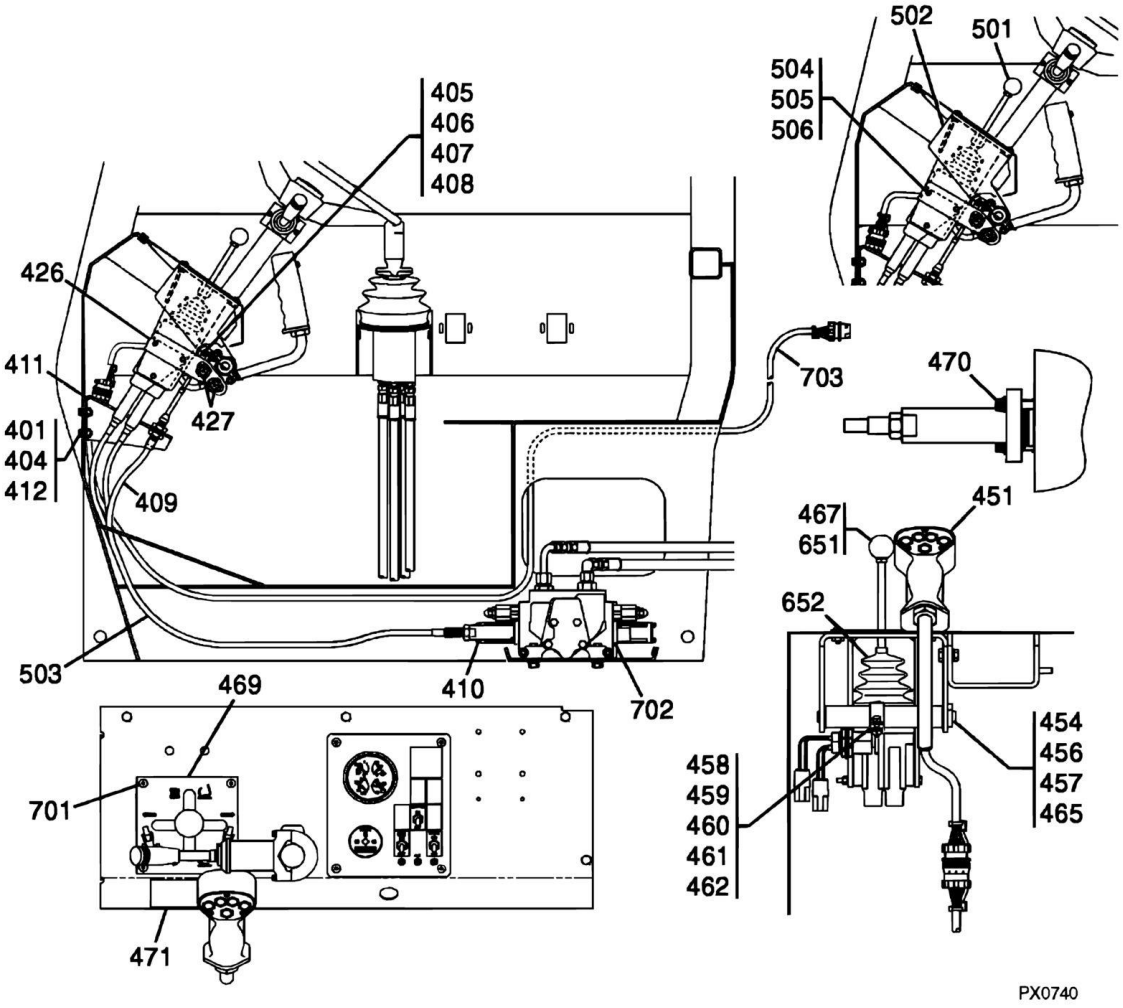

502
501
504
505
506
405
406
407
408
426
411
427
703
470
401
404
412
409
467
651
451
652
503
410
702
469
454
456
457
465
458
459
460
461
462
701
471
PX0740

FIGURE 7-9. CAB LEFT SIDE CONTROLS (534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345010	1	VALVE CONTROL ASSY, (AUXILIARY), (if equipped), (includes items 1 thru 5)	A
	91335014	1	VALVE CONTROL ASSY, (SWAY), (if equipped), (includes items 1 thru 5)	A
	91335013	1	VALVE CONTROL ASSY, (TILT/SWAY), (if equipped), (includes items 1 thru 6)	B
1	91303019	1	REMOTE VALVE CONTROL, (SWAY), (AUXILIARY)	
1	91083107	1	REMOTE VALVE CONTROL, (TILT/SWAY), (includes items 101 & 102)	
2	91146119	1	BRACKET, (SWAY)	
2	91366008	1	BRACKET, (TILT/SWAY)	
2	91366007	1	BRACKET, (TILT), (AUXILIARY)	
3	91363043	1	CABLE, (SWAY), (AUXILIARY)	
3	91363043	2	CABLE, (TILT/SWAY)	
4	88201012	3	HEX HD CAPSCREW, 1/4-20X2-3/4, (SWAY), (AUXILIARY)	
4	11002410	3	HEX HD CAPSCREW, 1/4-28X4-1/2, (TILT/SWAY)	
5	88521304	3	HEX LOCKNUT, 1/4, (TILT), (SWAY), (AUXILIARY)	
5	88501404	3	HEX LOCKNUT, 1/4, (TILT/SWAY)	
6	88551009	3	LOCKWASHER, 1/4, (TILT/SWAY)	
101	91084282	1	KNOB	
102	91084359	1	BOOT	
208	91123062	1	CABLE ADAPTER, (SWAY), (AUXILIARY)	
208	91123062	2	CABLE ADAPTER, (TILT/SWAY)	
209	91143371	1	GUIDE PLATE, (SWAY)	
210	91363041	1	GUIDE PLATE, (TILT/SWAY)	
211	91363045	1	GUIDE PLATE, (AUXILIARY)	
310	88211044	14	SOCKET HD CAPSCREW, 1/4-20X1-1/2	
		Ref	L.H. CAB HYDRAULIC CONTROL INSTALLATION, (TILT/SWAY/AUXILIARYW/CYBERTECH JOYSTICK), (if equipped), (includes items 401 thru 471)	
401	88551010	2	LOCKWASHER, 5/16	
404	88501005	2	HEX NUT, 5/16	
405	88821002	1	YOKE END	
406	88633001	1	CLEVIS PIN	
407	88631302	1	COTTER PIN	
408	88501404	1	HEX JAM NUT, 1/4	
409	91123050	1	CABLE	
410	91123062	3	CABLE ADAPTER	
411	91341007	1	BRACKET	
412	88201019	2	HEX HD CAPSCREW, 5/16-18X7/8	
426	91341019	1	SENSOR PLATE	
427	80363036	2	PROXIMITY SENSOR	
451		Ref	CYBERTECH 5-BUTTON JOYSTICK, (See CYBERTECH 5-BUTTON JOYSTICK CONTROLLER for Breakdown)	
454	91346004	1	WELDMENT	
456	88201018	1	HEX HD CAPSCREW, 5/16-18X3/4	
457	88551010	1	LOCKWASHER, 5/16	
458	91346010	1	WELDMENT	
459	913D1018	1	HALF CLAMP	
460	88201005	2	HEX HD CAPSCREW, 1/4-20X1	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
461	88501004	2	HEX NUT, 1/4	
462	88551009	2	LOCKWASHER, 1/4	
465	90028662	2	WAVE BEND WASHER	
467	91345020	1	VALVE CONTROL ASSY, (TILT/SWAY), (includes items 501 thru 506)	B
469	91363041	1	GUIDE PLATE, (TILT/SWAY)	
470	88211044	6	SOCKET HD CAPSCREW, 1/4-20X1-1/2	
471	91343026	1	AUXILIARY CONTROL DECAL	
501	91083107	1	REMOTE VALVE CONTROL, (TILT/SWAY), (includes items 651 & 652)	
502	91346003	1	BRACKET	
503	91363043	2	CABLE	
504	11002410	3	HEX HD CAPSCREW, 1/4-28X4-1/2	
505	88551009	3	LOCKWASHER, 1/4	
506	88501404	3	HEX NUT, 1/4	
651	91084282	1	KNOB	
652	91084359	1	BOOT	
701		Ref	GUIDE PLATE MOUNTING HARDWARE	
702		Ref	MAIN CONTROL VALVE	
703		Ref	CAB AUXILIARY WIRING HARNESS	

FIGURE 7-10. CYBERTECH 5-BUTTON JOYSTICK CONTROLLER (534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present)

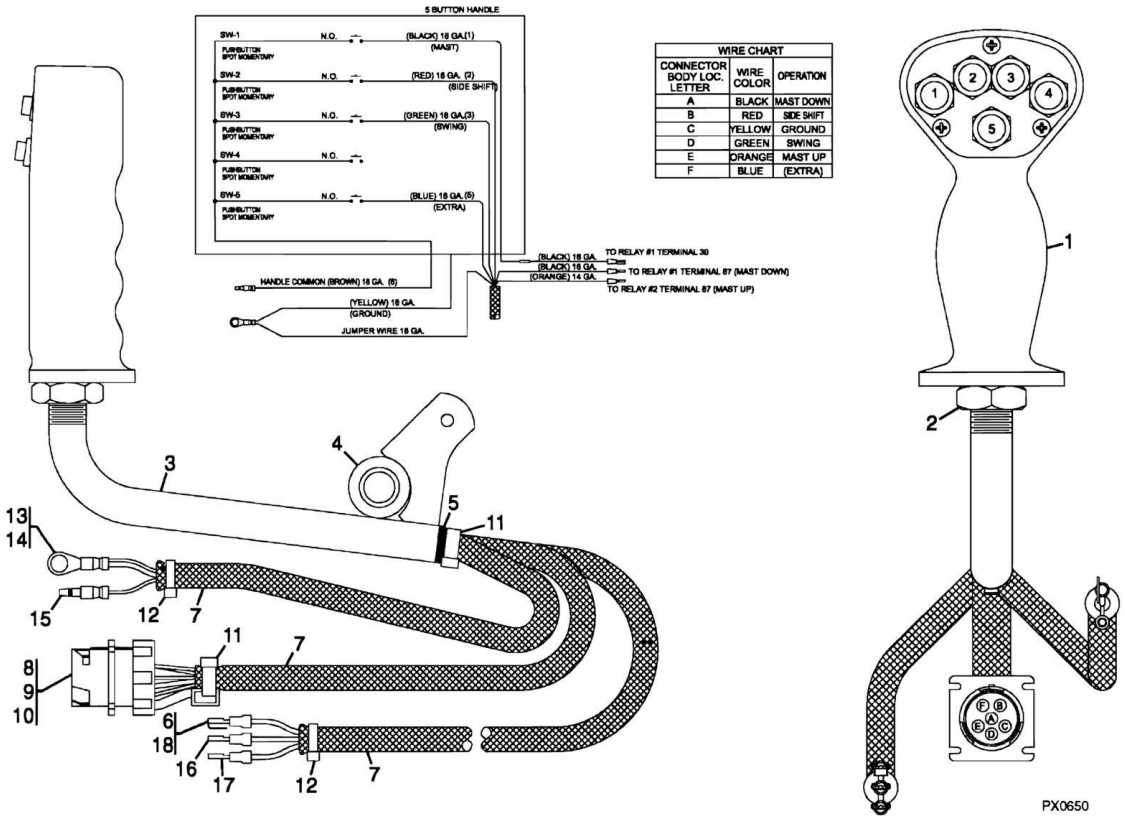


FIGURE 7-10. CYBERTECH 5-BUTTON JOYSTICK CONTROLLER (534D-9 SN 0160027771 to Present; 534D-10 SN 0160027772 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345022	1	5-BUTTON AUX HANDLE ASSY, (if equipped), (includes all items)	C
1	91033387	1	5-BUTTON HANDLE	
2	88501112	1	HEX JAM NUT, 3/4-16	
3	91346002	1	LEVER WELDMENT	
4	91083136	2	BUSHING	
5	91123051	1	MOLDED RUBBER BUSHING	
6	86683480	1	BUTT CONNECTOR	
7	82033996	50 in	WIRE LOOM	
8	77363232	1	RECEPTACLE CONNECTOR	
9	77363228	6	PIN CONTACT	
10	91143107	1	STRAIN RELIEF	
11	90027187	2	TIE-WRAP	
12	86683122	2	TIE-WRAP	
13	91341015	1	JUMPER WIRE	
14	83683363	1	INSULATED RING TERMINAL	
15	86983193	1	MALE BULLET	
16	91341026	1	JUMPER WIRE	
17	91341027	1	JUMPER WIRE	
18	91341020	1	JUMPER WIRE	

SECTION 8 - HYDRAULIC CIRCUITS

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)

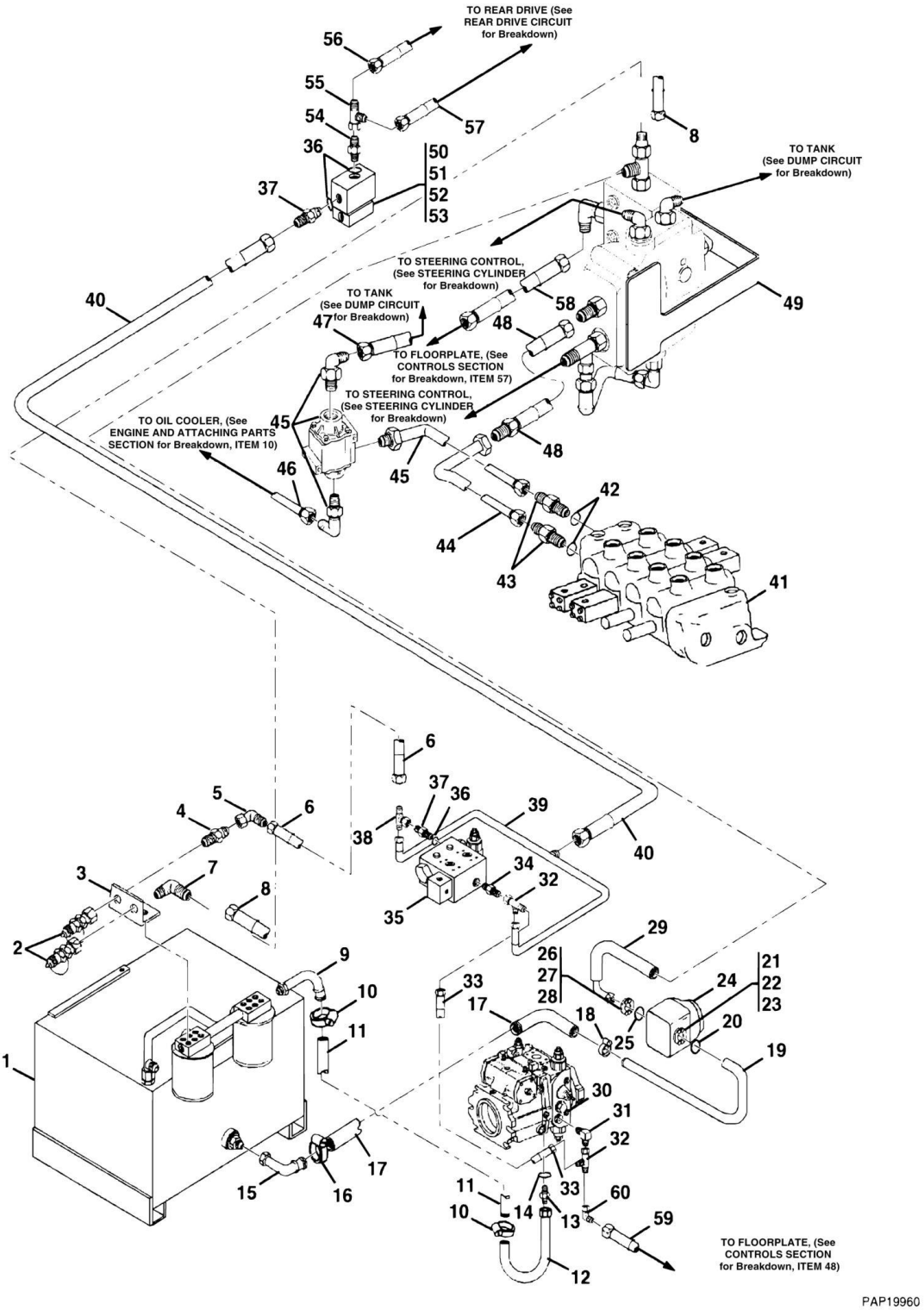


FIGURE 8-1. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	HYDRAULIC RESERVOIR ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	MINI CHECK COUPLING, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3		Ref	FILTER SUPPORT, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4		Ref	ADAPTER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
5		Ref	ELBOW, 90, (swivel nut), (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	84718700	1	HOSE ASSY	
7		Ref	ELBOW, 90, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	84718701	1	HOSE ASSY	
9		Ref	90, BEADED INSERT, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	80633030	2	BAND CLAMP	
11	91143143	1	HOSE ASSY	
12	91143087	1	INTAKE TUBE	
13	2220380	1	ADAPTER, (includes item 14)	
14	88591210	1	O-RING	
15	91143059	1	TUBE ASSY	
16	90028482	1	HOSE CLAMP	
17	77363128	1	HOSE ASSY	
18	80933070	1	BAND CLAMP	
19	91143121	1	SUCTION TUBE	
20	88591027	1	O-RING	
21	84711334	2	FLANGE CLAMP	
22	88201051	4	HEX HD CAPSCREW, 7/16-14X1 1/4, GR5	
23	88551012	4	LOCKWASHER, 7/16	
24		Ref	MAIN HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	88591024	1	O-RING	
26	84711333	4	FLANGE CLAMP	
27	88201036	4	HEX HD CAPSCREW, 3/8-16X1 1/4, GR5	
28	88551011	4	LOCKWASHER, 3/8	
29	84718639	1	HOSE ASSY	
30		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	91083222	1	90, REDUCING CONN	
32	2220635	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
33	77133447	1	HOSE ASSY	
34	2220497	1	ADAPTER, (includes o-ring)	
34	88591206	1	O-RING	
35		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36	88591204	3	O-RING	
37	2220371	2	ADAPTER, (includes item 36)	
38	2220579	1	SWIVEL NUT BRANCH TEE	
39	91163098	1	TUBE ASSY	
40	84718425	1	HOSE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42		Ref	O-RING	
43	2220379	2	ADAPTER, (includes item 42)	
44	91143058	1	TUBE ASSY	
45		Ref	THERMAL BYPASS VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46	84718945	1	HOSE ASSY	
47	84718947	1	HOSE ASSY	
48	84718625	1	HOSE ASSY	
49		Ref	FLOW DIVIDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
50		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
51	88201008	2	HEX HD CAPSCREW, 1/4-20X1 3/4, GR5	
52	88561002	2	FLAT WASHER, 1/4	
53	88551009	2	LOCKWASHER, 1/4	
54	2220582	1	ADAPTER, (includes item 36)	
55	2220605	1	SWIVEL NUT RUN TEE, 1/4 TUBE	
56	84718752	1	HOSE ASSY	
57	84718751	1	HOSE ASSY	
58	84718201	1	HOSE ASSY	
59	84717304	1	HOSE ASSY	
60	88662105	1	ELBOW, 90, SWIVEL NUT	

FIGURE 8-2. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974)

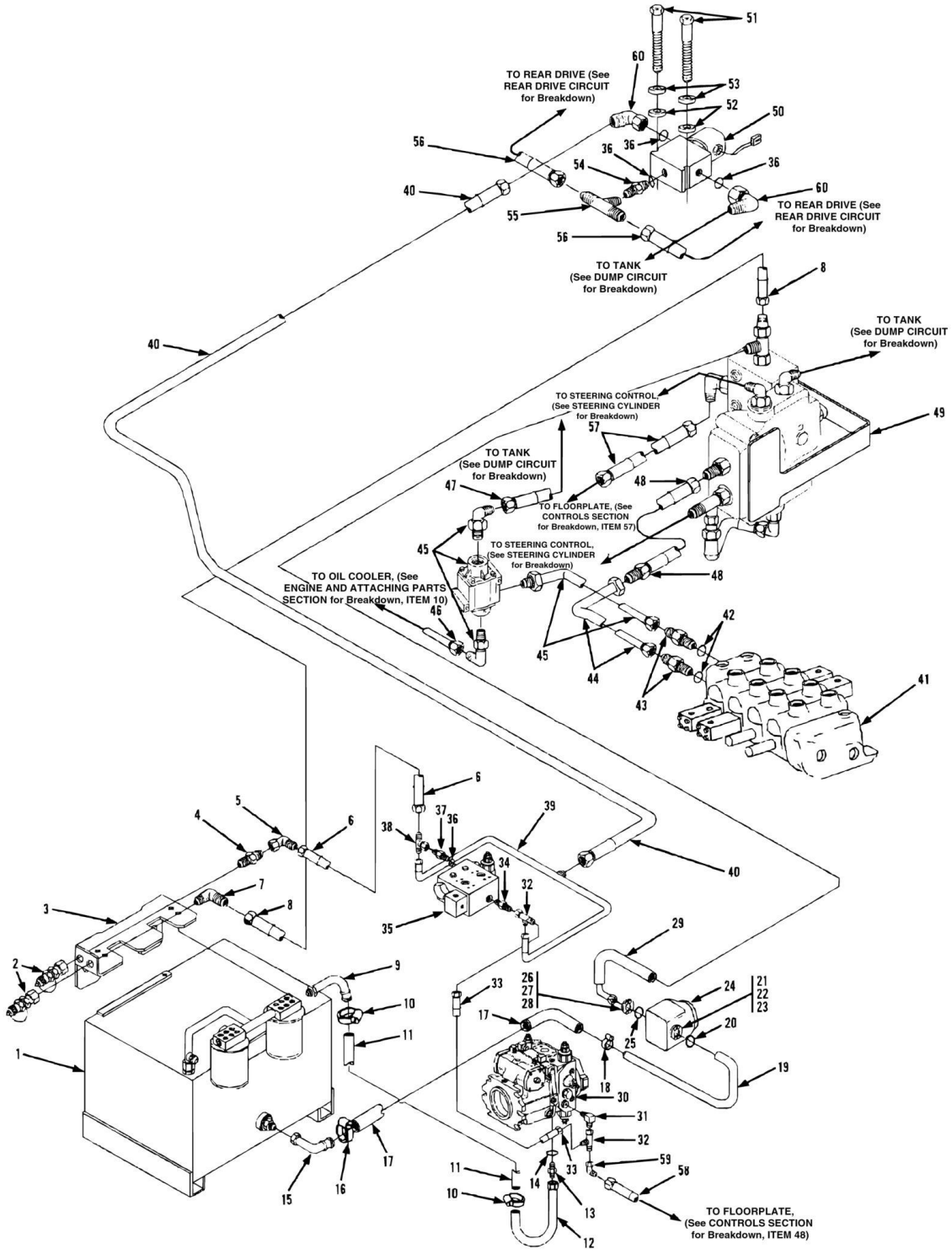


FIGURE 8-2. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085137	1	SOLENOID VALVE ASSY, (includes items 50, 54, 55 & 60)	G
1		Ref	HYDRAULIC RESERVOIR ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	MINI CHECK COUPLING , (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3		Ref	FILTER SUPPORT, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4		Ref	ADAPTER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
5		Ref	ELBOW, 90, (swivel nut), (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	84718700	1	HOSE ASSY	
7		Ref	ELBOW, 90, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	84718701	1	HOSE ASSY	
9		Ref	90, BEADED INSERT, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	80633030	2	BAND CLAMP	
11	91143143	1	HOSE ASSY	
12	91143087	1	INTAKE TUBE	
13	2220380	1	ADAPTER, (includes item 14)	
14	88591210	1	O-RING	
15	91143059	1	TUBE ASSY	
16	90028482	1	HOSE CLAMP	
17	77363128	1	HOSE ASSY	
18	80933070	1	BAND CLAMP	
19	91143121	1	SUCTION TUBE	
20	88591027	1	O-RING	
21	84711334	2	FLANGE CLAMP	
22	88201051	4	HEX HD CAPSCREW, 7/16-14X1 1/4, GR5	
23	88551012	4	LOCKWASHER, 7/16	
24		Ref	MAIN HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	88591024	1	O-RING	
26	84711333	4	FLANGE CLAMP	
27	88201036	4	HEX HD CAPSCREW, 3/8-16X1 1/4, GR5	
28	88551011	4	LOCKWASHER, 3/8	
29	84718639	1	HOSE ASSY	
30		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	91083222	1	ADAPTER, 90	
32	2220635	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
33	77133447	1	HOSE ASSY	
34	2220497	1	ADAPTER, (includes o-ring)	
34	88591206	1	O-RING	
35		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36	88591204	4	O-RING	
37	2220371	1	ADAPTER, (includes item 36)	
38	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
39	91163098	1	TUBE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	77133196	1	HOSE ASSY	
41		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42		Ref	O-RING	
43	2220379	2	ADAPTER (includes item 42)	
44	91143058	1	TUBE ASSY	
45		Ref	THERMAL BYPASS VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46	84718945	1	HOSE ASSY	
47	84718947	1	HOSE ASSY	
48	84718625	1	HOSE ASSY	
49		Ref	FLOW DIVIDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
50		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
51	88201008	2	HEX HD CAPSCREW, 1/4-20X1 3/4, GR5	
52	88561002	2	FLAT WASHER, 1/4	
53	88551009	2	LOCKWASHER, 1/4	
54	2220582	1	ADAPTER, (includes item 36)	
55	2220861	1	SWIVEL NUT BRANCH TEE,1/4 TUBE	
56	84719447	2	HOSE ASSY	
57	84718201	1	HOSE ASSY	
58	84717304	1	HOSE ASSY	
59	88662105	1	ELBOW, 90, SWIVEL NUT	
60	2220473	2	ELBOW, 90, (includes item 36)	

FIGURE 8-3. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

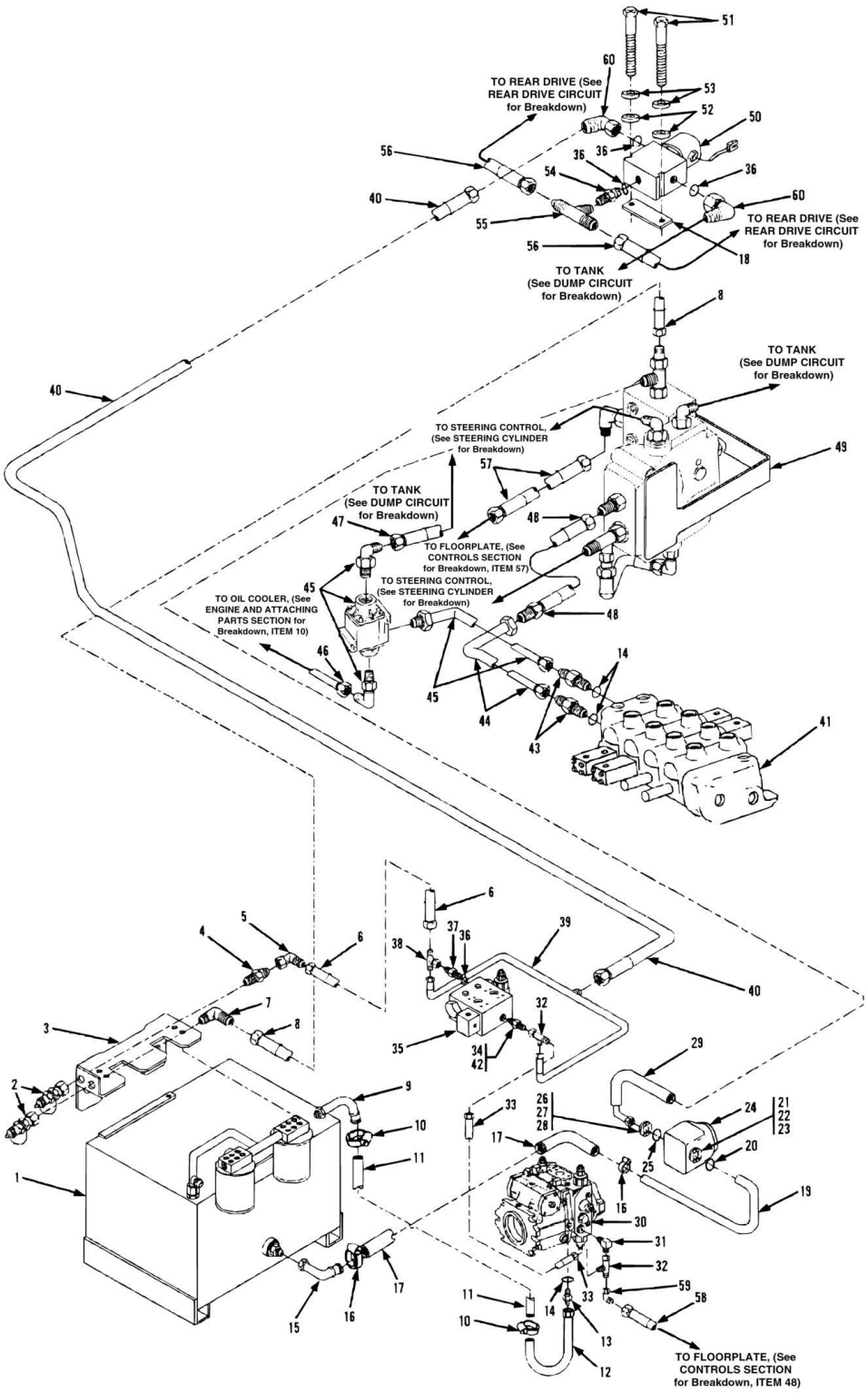


FIGURE 8-3. OIL SUPPLY AND PRESSURE LINES (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085137	1	SOLENOID VALVE ASSY, (includes items 50, 54, 55 & 60)	G
1		Ref	HYDRAULIC RESERVOIR ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	MINI CHECK COUPLING , (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3		Ref	FILTER SUPPORT, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4		Ref	ADAPTER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
5		Ref	ELBOW, 90, (swivel nut), (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	84718700	1	HOSE ASSY	
7		Ref	ELBOW, 90, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	84718701	1	HOSE ASSY	
9		Ref	90, BEADED INSERT, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	80633030	2	BAND CLAMP	
11	91553038	1	HOSE ASSY	
12	91143087	1	INTAKE TUBE	
13	2220852	1	ADAPTER, (includes item 14)	
14		Ref	O-RING	
15	91143059	1	TUBE ASSY	
16	90028482	2	HOSE CLAMP	
17	77363128	1	HOSE ASSY	
18	91031040	1	MOUNTING BAR	
19	91143121	1	SUCTION TUBE	
20	88591027	1	O-RING	
21	84711334	2	FLANGE CLAMP	
22	88201051	4	HEX HD CAPSCREW, 7/16-14X1 1/4, GR5	
23	88551012	4	LOCKWASHER, 7/16	
24		Ref	MAIN HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	88591024	1	O-RING	
26	84711333	2	FLANGE CLAMP	
27	88201036	4	HEX HD CAPSCREW, 3/8-16X1 1/4, GR5	
28	88551011	4	LOCKWASHER, 3/8	
29	84718639	1	HOSE ASSY	
30		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	91083222	1	ADAPTER, 90	
32	2220635	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
33	77133447	1	HOSE ASSY	
34	2220497	1	ADAPTER, (includes item 42)	
35		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36	88591204	4	O-RING	
37	2220371	1	ADAPTER, (includes item 36)	
38	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
39	91163098	1	TUBE ASSY	
40	77133196	1	HOSE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42	88591206	1	O-RING	
43	2220379	2	ADAPTER, (includes item 14)	
44	91143058	1	TUBE ASSY	
45		Ref	THERMAL BYPASS VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46	84719980	1	HOSE ASSY	
47	84718947	1	HOSE ASSY	
48	84718625	1	HOSE ASSY	
49		Ref	FLOW DIVIDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
50		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
51	0641414	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
52	4751400	2	FLAT WASHER, 1/4	
53	4761500	2	LOCKWASHER, 1/4	
54	2220582	1	ADAPTER, (includes item 36)	
55	2220861	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE	
56	84719447	2	HOSE ASSY	
57	84718201	1	HOSE ASSY	
58	84717304	1	HOSE ASSY	
59	88662105	1	ELBOW, 90, SWIVEL NUT	
60	2220473	2	ELBOW, 90, (includes item 36)	

FIGURE 8-4. DUMP CIRCUIT (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)

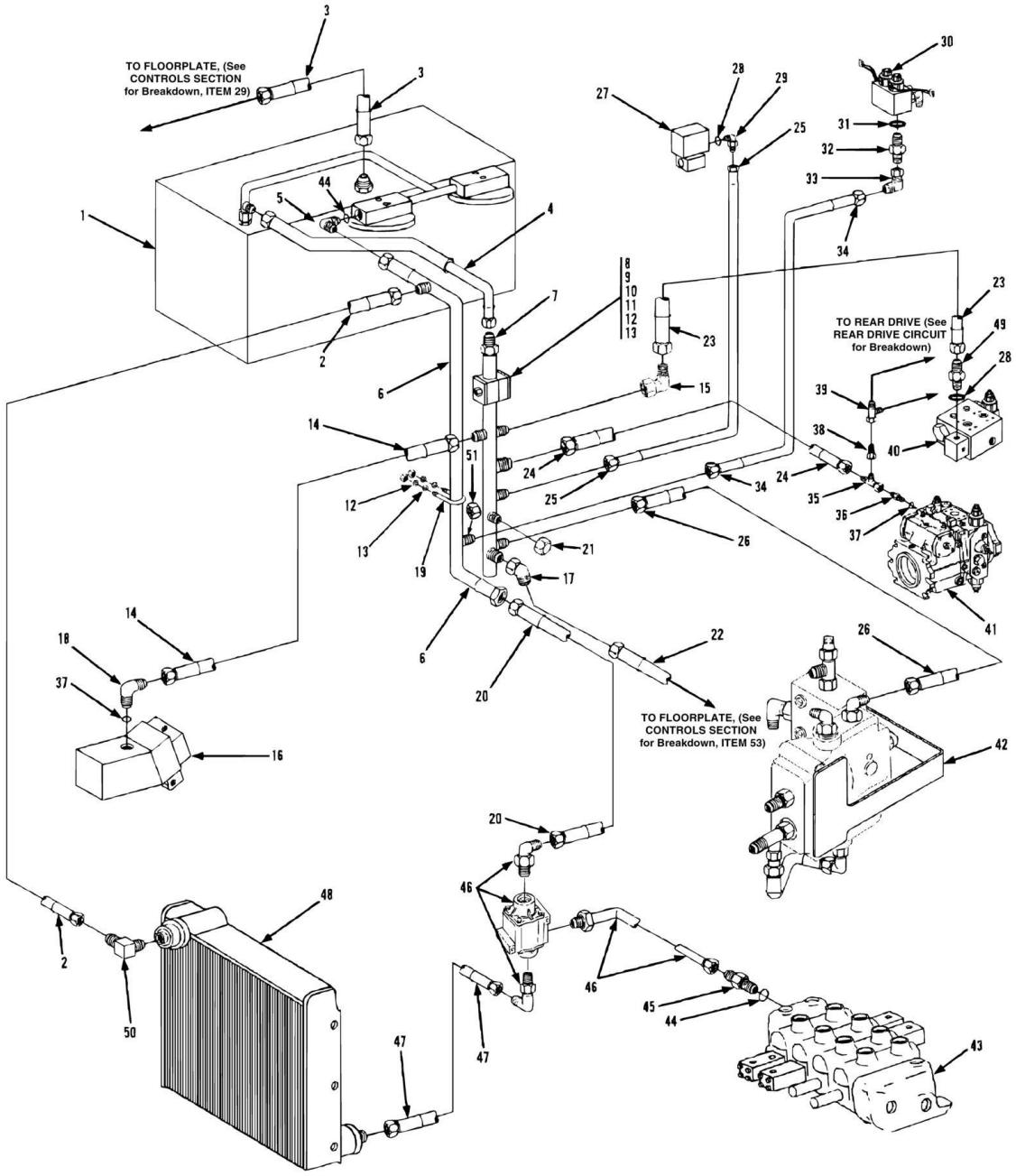


FIGURE 8-4. DUMP CIRCUIT (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	HYDRAULIC RESERVOIR ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	84718979	1	HOSE ASSY	
3	84718164	1	HOSE ASSY	
4	84718968	1	HOSE ASSY	
5	88662070	1	ELBOW, 90, (includes item 44)	
6	91143273	1	DUMP TUBE	
7	91163140	1	TUBE ASSY	
8	77133053	1	CLAMP SET	
9	77133052	1	COVER PLATE	
10	88201010	2	HEX HD CAPSCREW, 1/4-20X 1/4, GR5	
11	88501004	2	HEX NUT, 1/4-20	
12	88551009	4	LOCKWASHER, 1/4	
13	88561107	4	FLAT WASHER, 1/4	
14	84718999	1	HOSE ASSY	
15	8760268	1	ELBOW, 90, (includes item 37)	
16		Ref	FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	8765204	1	ELBOW, 90	
18	8760268	1	ELBOW, 90	
19	83421139	1	U-BOLT WITH NUTS	
20	84718947	1	HOSE ASSY	
21	2220516	1	CAP	
22	84718635	1	HOSE ASSY	
23	84718745	1	HOSE ASSY	
24	84718956	1	HOSE ASSY	
25	84717835	1	HOSE ASSY	
26	84718743	1	HOSE ASSY	
27		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
28	88591204	2	O-RING	
29	2220473	1	ELBOW, 90, (includes item 28)	
30		Ref	STABILIZER VALVE ASSY-OPTIONAL, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	88591206	1	O-RING, (used with stabilizer option)	
32	2220374	1	ADAPTER, (includes item 31), (used with stabilizer option)	
33	88662120	1	ELBOW, 45, (swivel nut), (used with stabilizer option)	
34	84719000	1	HOSE ASSY, (used with stabilizer option)	
35	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
36	88662008	1	ADAPTER, (includes item 37)	
37		Ref	O-RING	
38	82651133	1	REDUCER W/ADAPTER	
39	88662240	1	SWIVEL NUT RUN TEE, 1/8 TUBE	
40		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
41		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42		Ref	FLOW DIVIDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44		Ref	O-RING	
45	2220379	1	ADAPTER, (includes item 44)	
46		Ref	THERMAL BYPASS VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47	84718945	1	HOSE ASSY	
48		Ref	OIL COOLER ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
49	2220371	1	ADAPTER, (includes item 28)	
50	83623032	1	ELBOW	
51	88661365	1	CAP	

FIGURE 8-5. DUMP CIRCUIT (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974)

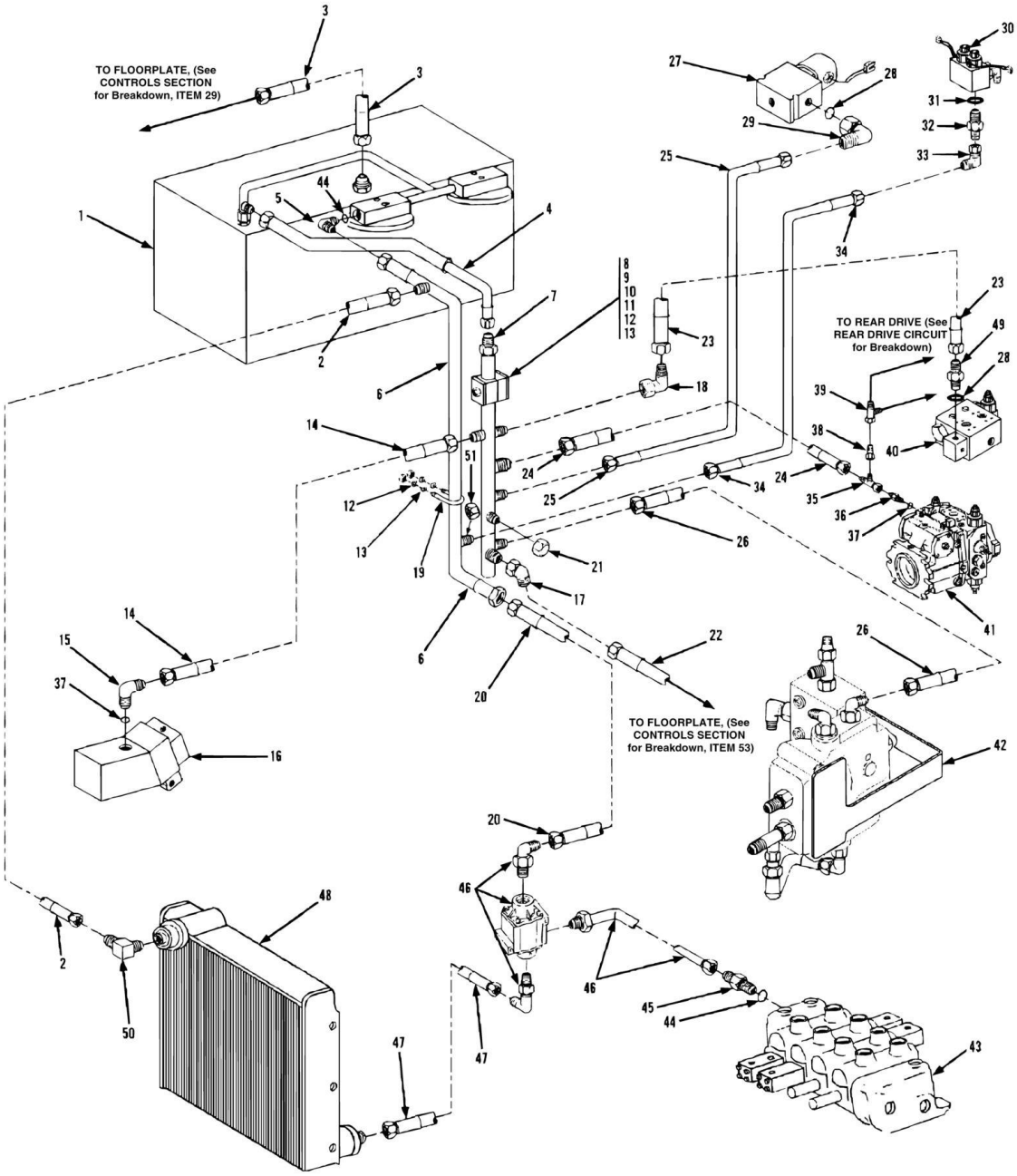


FIGURE 8-5. DUMP CIRCUIT (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	HYDRAULIC RESERVOIR ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	84718979	1	HOSE ASSY	
3	84718164	1	HOSE ASSY	
4	84718968	1	HOSE ASSY	
5	88662070	1	ELBOW, 90, (includes item 44)	
6	91143273	1	DUMP TUBE	
7	91163140	1	TUBE ASSY	
8	77133053	1	CLAMP SET	
9	77133052	1	COVER PLATE	
10	88201010	2	HEX HD CAPSCREW, 1/4-20X 1/4, GR5	
11	88501004	2	HEX NUT, 1/4-20	
12	88551009	4	LOCKWASHER, 1/4	
13	88561107	4	FLAT WASHER, 1/4	
14	84718999	1	HOSE ASSY	
15	2221048	1	REDUCER ELBOW, (includes item 37)	
16		Ref	FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	8765204	1	ELBOW, 90	
18	8760268	1	ELBOW, 90	
19	83421139	1	U-BOLT WITH NUTS	
20	84718947	1	HOSE ASSY	
21	2220516	1	CAP	
22	84718635	1	HOSE ASSY	
23	84718745	1	HOSE ASSY	
24	84718956	1	HOSE ASSY	
25	84716719	1	HOSE ASSY	
26	84718743	1	HOSE ASSY	
27		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
28	88591204	2	O-RING	
29	2220473	1	ELBOW, 90, (includes item 28)	
30		Ref	STABILIZER VALVE ASSY-OPTIONAL, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	88591206	1	O-RING, (used with stabilizer option)	
32	2220374	1	ADAPTER, (includes item 31), (used with stabilizer option)	
33	88662120	1	ELBOW, 45, (swivel nut), (used with stabilizer option)	
34	84719000	1	HOSE ASSY, (used with stabilizer option)	
35	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
36	88662008	1	ADAPTER, (includes item 37)	
37	88591207	2	O-RING	
38	82651133	1	REDUCER W/ADAPTER	
39	88662240	1	SWIVEL NUT RUN TEE, 1/8 TUBE	
40		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
41		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42		Ref	FLOW DIVIDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44		Ref	O-RING	
45	2220379	1	ADAPTER, (includes item 44)	
46		Ref	THERMAL BYPASS VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47	84718945	1	HOSE ASSY	
48		Ref	OIL COOLER ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
49	2220371	1	ADAPTER, (includes item 28)	
50	83623032	1	ELBOW	
51	88661365	1	CAP	

FIGURE 8-6. DUMP CIRCUIT (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

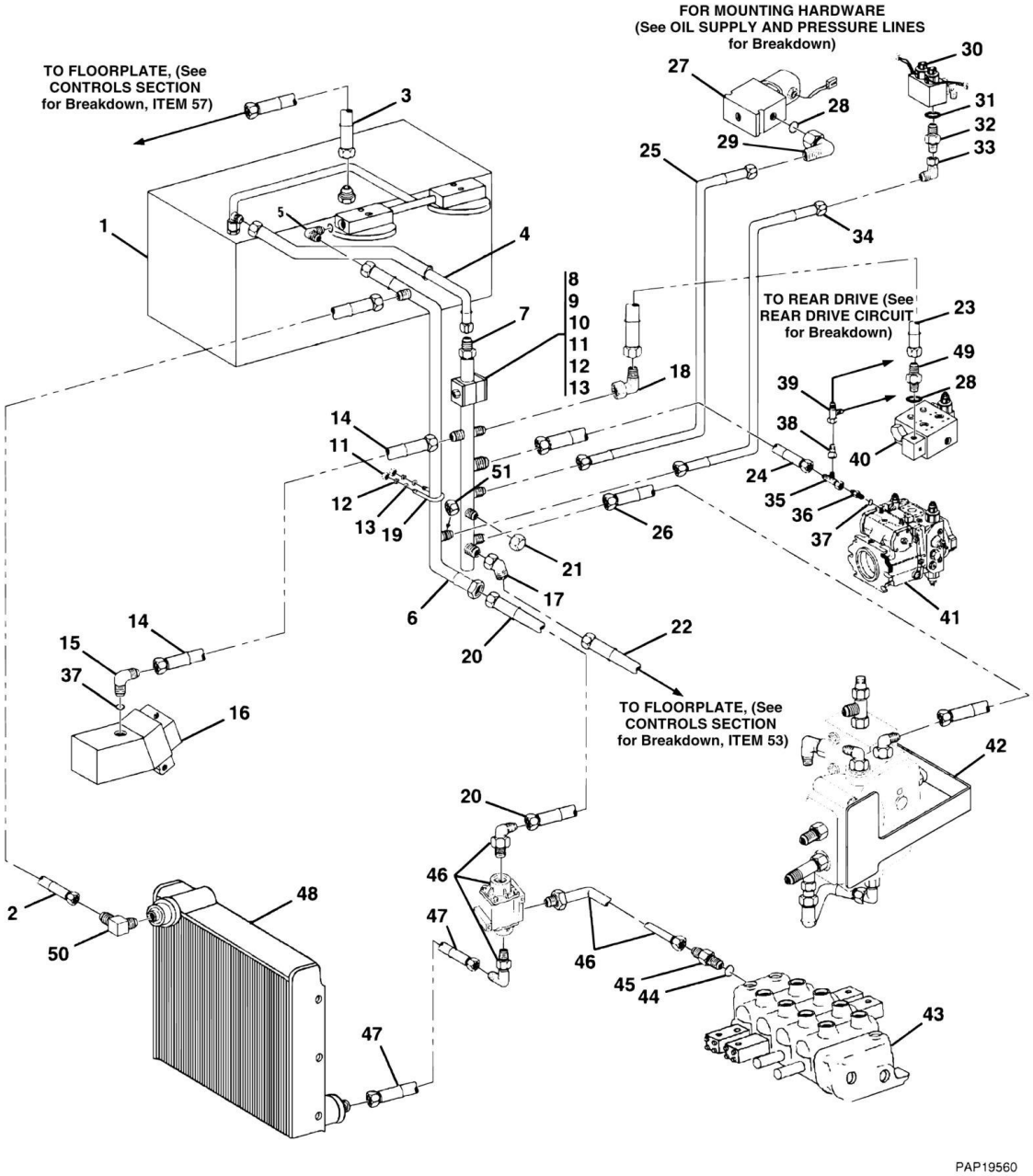


FIGURE 8-6. DUMP CIRCUIT (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	HYDRAULIC RESERVOIR ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	1001104620	1	HOSE ASSY	
3	84718164	1	HOSE ASSY	
4	84718968	1	HOSE ASSY	
5	88662070	1	ELBOW, 90, (includes item 44)	
6	91553036	1	DUMP TUBE	
7	91553061	1	TUBE ASSY	
8	77133053	1	CLAMP SET	
9	77133052	1	COVER PLATE	
10	0641418	2	HEX HD CAPSCREW, 1/4-20X 1/4, GR5	
11	88501004	2	HEX NUT, 1/4-20	
12	4761400	2	LOCKWASHER, 1/4	
13	4711400	2	FLAT WASHER, 1/4	
14	1001092278	1	HOSE ASSY	
15	2221048	1	REDUCER ELBOW, (includes item 37)	
16		Ref	FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	8765204	1	ELBOW, 90	
18	8760268	1	ELBOW, 90	
19	83421139	1	U-BOLT WITH NUTS	
20	84718947	1	HOSE ASSY	
21	2220516	1	CAP	
22	84718635	1	HOSE ASSY	
23	84718745	1	HOSE ASSY	
24	84718956	1	HOSE ASSY	
25	84716719	1	HOSE ASSY	
26	84718743	1	HOSE ASSY	
27		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
28	88591204	2	O-RING	
29	88662064	1	ELBOW, 90, (includes item 28)	
30		Ref	STABILIZER VALVE ASSY-OPTIONAL, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	88591206	1	O-RING, (used with stabilizer option)	
32	2220374	1	ADAPTER, (includes item 31), (used with stabilizer option)	
33	88662120	1	ELBOW, 45, (swivel nut), (used with stabilizer option)	
34	84719000	1	HOSE ASSY, (used with stabilizer option)	
35	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
36	88662008	1	ADAPTER, (includes item 37)	
37	88591207	2	O-RING	
38	83651133	1	REDUCER W/ADAPTER	
39	88662240	1	SWIVEL NUT RUN TEE, 1/8 TUBE	
40		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
41		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42		Ref	FLOW DIVIDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44		Ref	O-RING	
45	2220379	1	ADAPTER, (includes item 44)	
46		Ref	THERMAL BYPASS VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47	84719980	1	HOSE ASSY	
48		Ref	OIL COOLER ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
49	2220371	1	ADAPTER, (includes item 28)	
50	83623032	1	ELBOW	
51	88661365	1	CAP	

FIGURE 8-7. FRONT DRIVE CIRCUIT

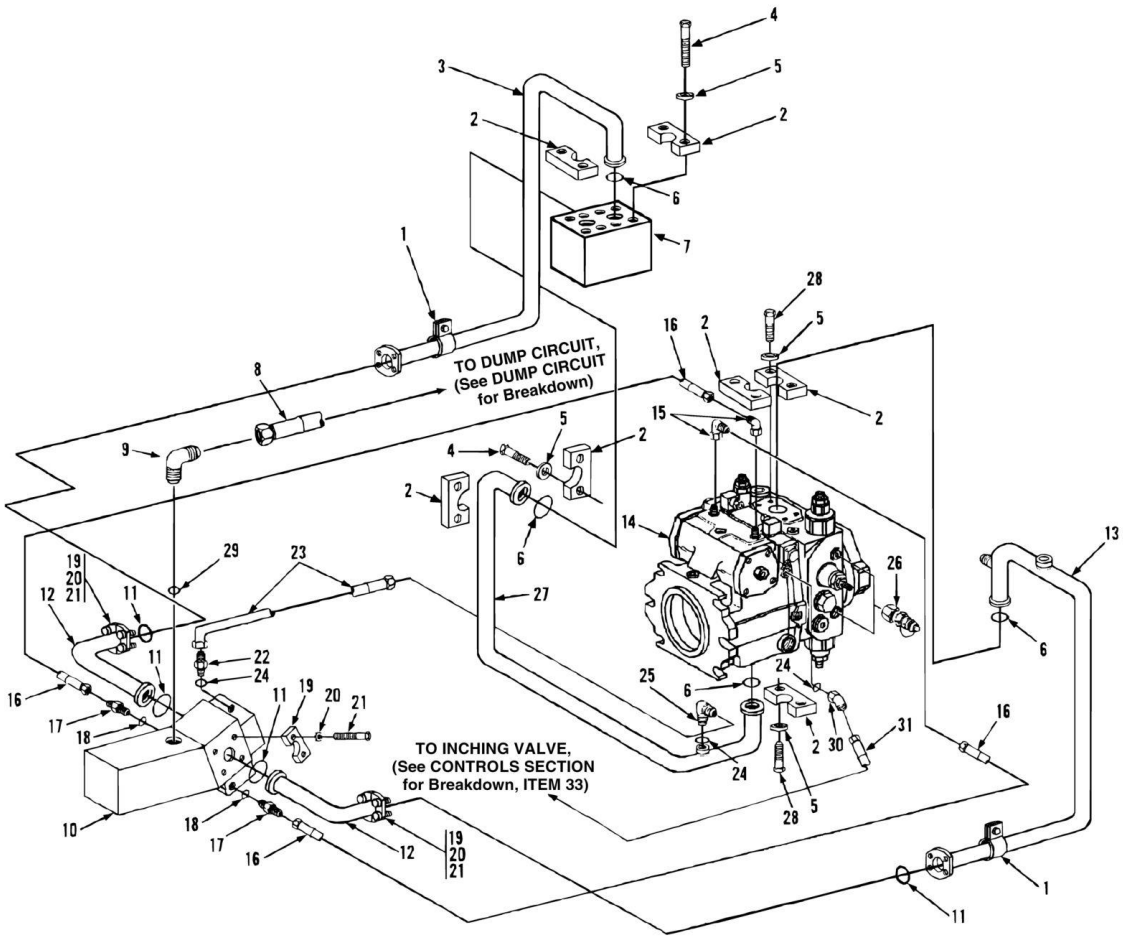
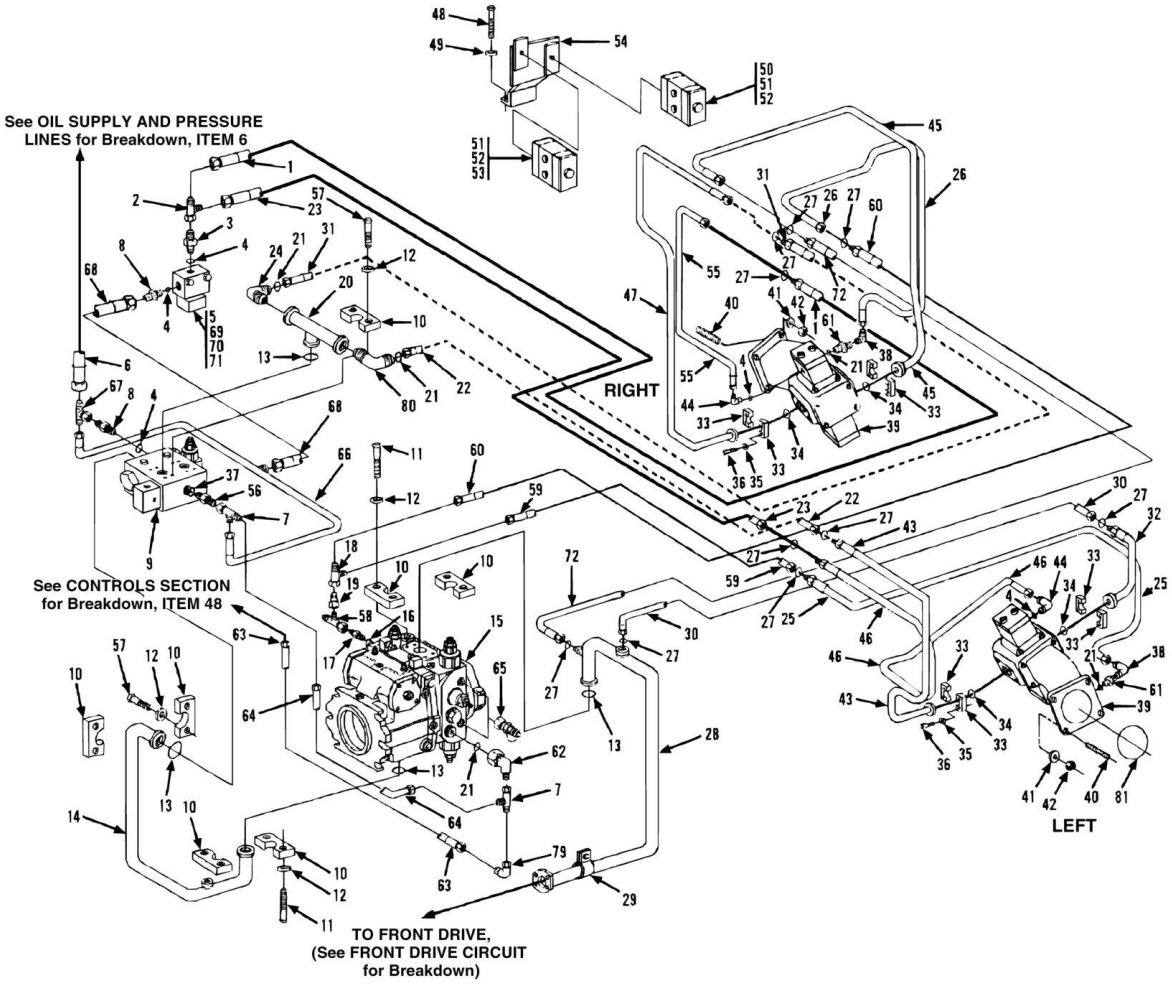


FIGURE 8-7. FRONT DRIVE CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90205792	2	CUSHION CLAMP	
2	84712738	8	SPLIT FLANGE CLAMP	
3	91083418	1	TUBE ASSY	
4	83201155	8	HEX HD CAPSCREW, 7/16-14X1-3/4, GR8	
5	88551012	20	LOCKWASHER, 7/16	
6	91083106	4	O-RING	
7		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	84718999	1	HOSE ASSY	
9	2221048	1	ELBOW, 90, (includes item 29)	
10		Ref	FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	91083339	4	O-RING	
12	84718845	2	HOSE ASSY	
13	91163122	1	TUBE ASSY	
14		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15	90027906	2	ELBOW, 90, (includes o-ring)	
15	88591204	2	O-RING	
16	84719143	2	HOSE ASSY	
17	2220415	2	ADAPTER, (includes item 18)	
18	88591202	2	O-RING	
19	84712739	8	SPLIT FLANGE CLAMP	
20	4761800	16	LOCKWASHER, 1/2	
21	0681814	16	HEX HD CAPSCREW, 1/2-13X1-3/4, GR5	
22	2220582	1	ADAPTER, (includes item 24)	
23	84718929	1	HOSE ASSY	
24	88591204	3	O-RING	
25	90027906	1	ELBOW, 90, (includes item 24)	
26	91053020	2	TEST COUPLING	
27	91163201	1	TUBE ASSY	
28	83201135	8	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8	
29	88591207	1	O-RING	
30	88662084	1	ELBOW, 45, (includes item 24)	
31	84718077	1	HOSE ASSY	

FIGURE 8-8. REAR DRIVE CIRCUIT (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)



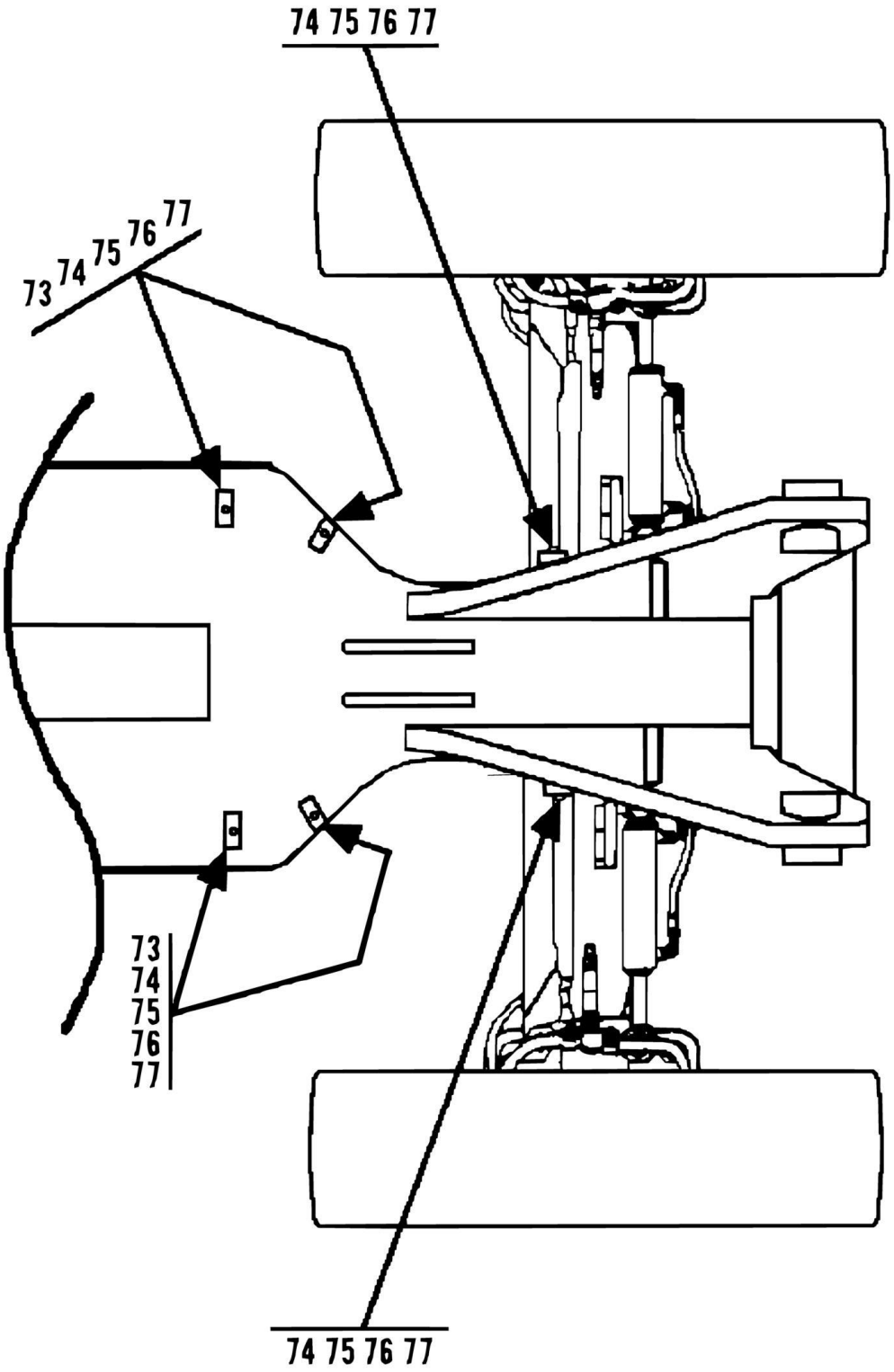
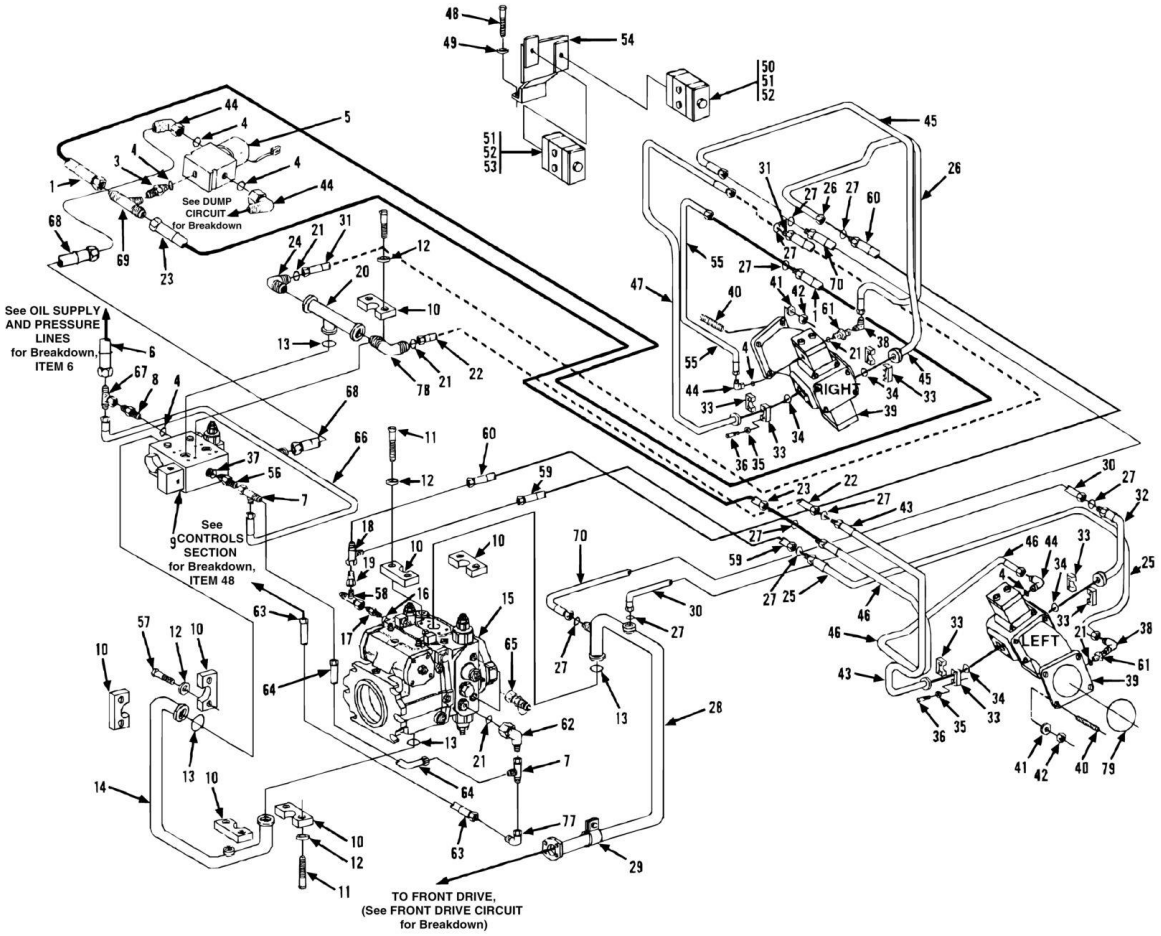

74 75 76 77
73 74 75 76 77
73
74
75
76
77
74 75 76 77

FIGURE 8-8. REAR DRIVE CIRCUIT (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718752	1	HOSE ASSY	
2	2220605	1	SWIVEL NUT RUN, TEE 1/4 TUBE	
3	83662017	1	ADAPTER, (includes item 4)	
4	88591204	4	O-RING	
5		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	84718700	1	HOSE ASSY	
7	88662239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
8	2220371	2	ADAPTER, (includes item 4)	
9		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	84712738	8	SPLIT FLANGE CLAMP	
11	83201135	8	HEX HD CAPSCREW, 7/16-14X1-1/2	
12	88551012	16	LOCKWASHER, 7/16	
13	91083106	4	O-RING	
14	91163201	1	TUBE ASSY	
15		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88591207	1	O-RING	
17	2220451	1	ADAPTER, (includes item 16)	
18	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
19	2220622	1	REDUCER W/ADAPTER	
20	91083266	1	TUBE ASSY	
21	88591207	5	O-RING	
22	84718739	1	HOSE ASSY	
23	84718751	1	HOSE ASSY	
24	88662332	1	ELBOW, 90, (includes item 21)	
25	91163053	1	TUBE ASSY	
26	91163052	1	TUBE ASSY	
27	88591508	6	O-RING	
28	91163122	1	TUBE ASSY	
29	90205792	1	CUSHION CLAMP	
30	84718740	1	HOSE ASSY	
31	84718741	2	HOSE ASSY	
32	91163133	1	TUBE ASSY	
33	84712737	8	SPLIT FLANGE CLAMP	
34	80933066	4	O-RING	
35	88551011	16	LOCKWASHER	
36	83201115	16	HEX HD CAPSCREW, 3/8-16X1-1/4	
37	88591206	1	O-RING	
38	88662106	2	ELBOW, 90, (swivel nut)	
39		Ref	REAR DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
40	91123092	8	STUD	
41	85401340	8	HARDENED WASHER	
42	91083449	8	HEX NUT	
43	91163042	1	TUBE ASSY	
44	2220473	2	ELBOW, 90, (includes item 4)	
45	91163134	1	TUBE ASSY	
46	91163055	1	TUBE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	91163041	1	TUBE ASSY	
48	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
49	88551011	4	LOCKWASHER, 3/8	
50	91213002	2	CLAMP SET	
51	88201023	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
52	77133137	4	COVER PLATE	
53	91163069	2	CLAMP HALF	
54	91166055	1	RH TUBE SUPPORT	
54	91166056	1	LH TUBE SUPPORT	
55	91163054	1	TUBE ASSY	
56	2220497	1	ADAPTER, (includes item 37)	
57	83201155	8	HEX HD CAPSCREW, 7/16-14X3/4	
58	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
59	84718615	1	HOSE ASSY	
60	84718614	1	HOSE ASSY	
61	2220375	2	ADAPTER, (includes item 21)	
62	91083222	1	REDUCING ADAPTER, (includes item 21)	
63	84717304	1	HOSE ASSY	
64	77133447	1	HOSE ASSY	
65	91053020	2	TEST COUPLING	
66	91163098	1	HOSE ASSY	
67	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
68	84718425	1	HOSE ASSY	
69	88561001	2	FLAT WASHER, 1/4	
70	88201008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
71	88551009	2	LOCKWASHER, 1/4	
72	84718355	1	HOSE ASSY	
73	77133279	7	CLAMP SET	
74	77133306	3	STACK BOLT	
75	88201023	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
76	77133137	4	COVER PLATE	
77	77133390	4	SAFETY CLIP	
78	90027187	12	NYLON TIE, (not shown), (six needed per side for rear drive hoses)	
79	88662105	1	ELBOW, 90, SWIVEL NUT	
80	2151212	1	ELBOW, 45, (includes item 21)	
81	90023159	2	O-RING, (one each side)	

FIGURE 8-9. REAR DRIVE CIRCUIT (534D-9 SN 0544218 through 0160000446; 534D-10 SN 0366055 through 0160000446)



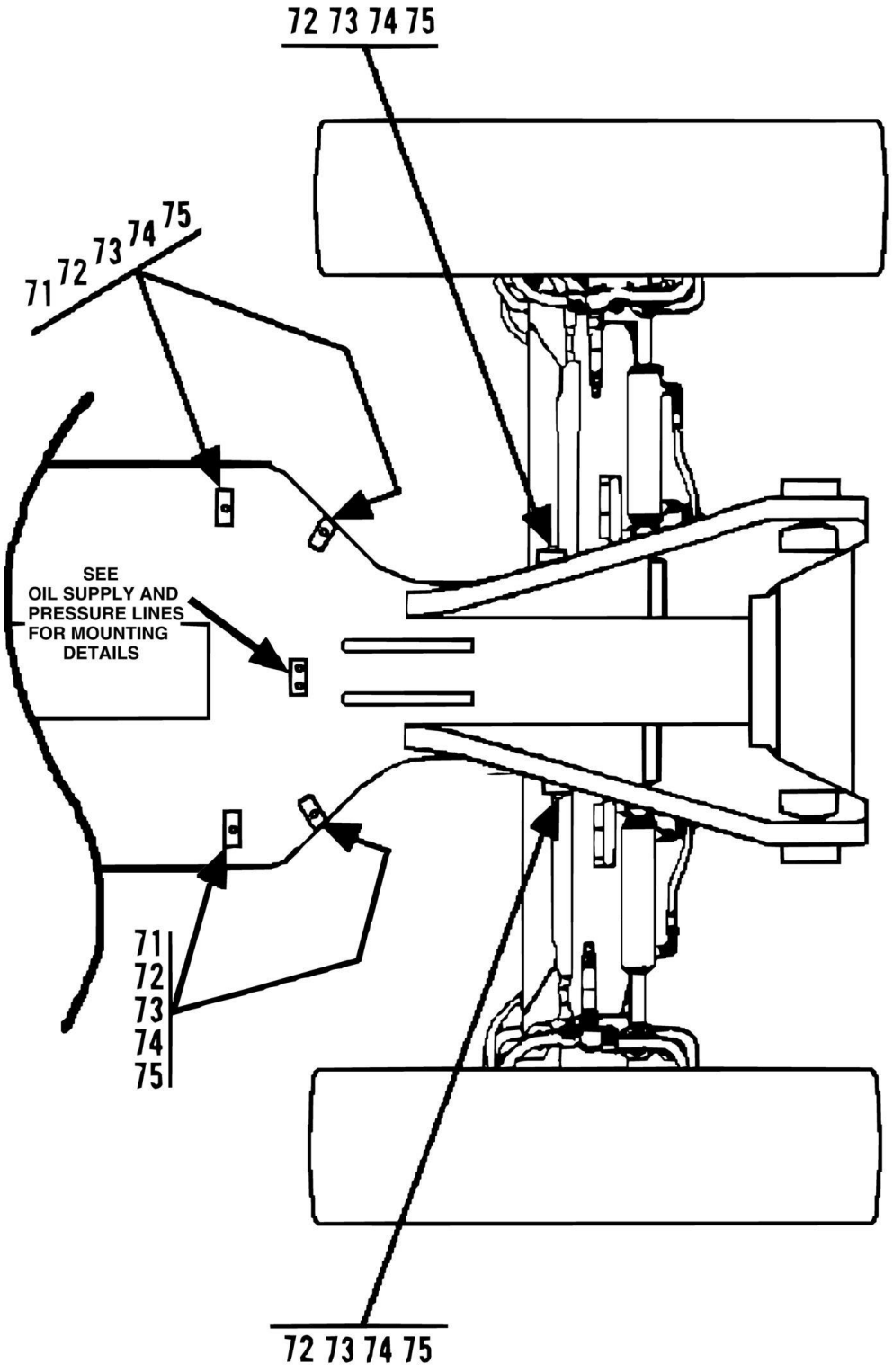

72 73 74 75
71 72 73 74 75
SEE
OIL SUPPLY AND
PRESSURE LINES
FOR MOUNTING
DETAILS
71
72
73
74
75
72 73 74 75

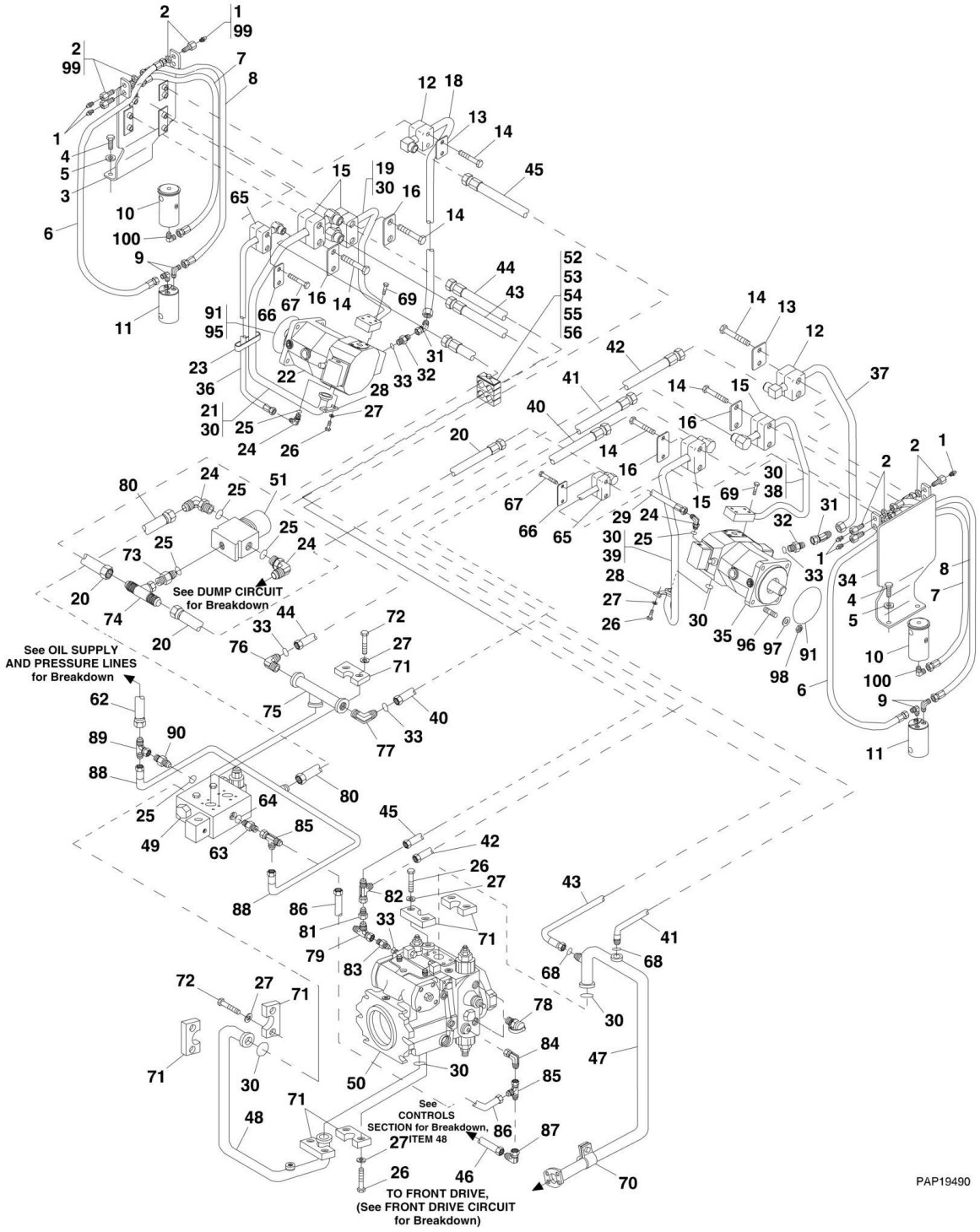
FIGURE 8-9. REAR DRIVE CIRCUIT (534D-9 SN 0544218 through 0160000446; 534D-10 SN 0366055 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84719447	1	HOSE ASSY	
2	2220605	1	SWIVEL NUT RUN, TEE 1/4 TUBE	
3	83662017	1	ADAPTER, (includes item 4)	
4	88591204	6	O-RING	
5		Ref	SOLENOID VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	84718700	1	HOSE ASSY	
7	88662239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
8	2220371	1	ADAPTER, (includes item 4)	
9		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	84712738	8	SPLIT FLANGE CLAMP	
11	83201135	8	HEX HD CAPSCREW, 7/16-14X1-1/2	
12	88551012	16	LOCKWASHER, 7/16	
13	91083106	4	O-RING	
14	91163201	1	TUBE ASSY	
15		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88591207	1	O-RING	
17	2220451	1	ADAPTER, (includes item 16)	
18	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
19	2220622	1	REDUCER W/ADAPTER	
20	91083266	1	TUBE ASSY	
21	88591207	5	O-RING	
22	84718739	1	HOSE ASSY	
23	84719447	1	HOSE ASSY	
24	88662332	1	ELBOW, 90, (includes item 21)	
25	91163053	1	TUBE ASSY	
26	91163052	1	TUBE ASSY	
27	88591508	10	O-RING	
28	91163122	1	TUBE ASSY	
29	90205792	1	CUSHION CLAMP	
30	84718740	1	HOSE ASSY	
31	84718741	2	HOSE ASSY	
32	91163133	1	TUBE ASSY	
33	84712737	8	SPLIT FLANGE CLAMP	
34	80933066	4	O-RING	
35	88551011	16	LOCKWASHER	
36	83201115	16	HEX HD CAPSCREW, 3/8-16X1-1/4	
37	88591206	1	O-RING	
38	88662106	2	ELBOW, 90, (swivel nut)	
39		Ref	REAR DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
40	91123092	8	STUD	
41	85401340	8	HARDENED WASHER	
42	91083449	8	HEX NUT	
43	91163042	1	TUBE ASSY	
44	2220473	4	ELBOW, 90, (includes item 4)	
45	91163134	1	TUBE ASSY	
46	91163055	1	TUBE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	91163041	1	TUBE ASSY	
48	88201035	4	HEX HD CAPSCREW,3/8-16X1, GR5	
49	88551011	4	LOCKWASHER, 3/8	
50	91213002	2	CLAMP SET	
51	88201023	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
52	77133137	4	COVER PLATE	
53	91163069	2	CLAMP HALF	
54	91166055	1	RH TUBE SUPPORT	
54	91166056	1	LH TUBE SUPPORT	
55	91163054	1	TUBE ASSY	
56	2220497	1	ADAPTER, (includes item 37)	
57	83201155	8	HEX HD CAPSCREW, 7/16-14X3/4	
58	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
59	84718615	1	HOSE ASSY	
60	84718614	1	HOSE ASSY	
61	2220375	2	ADAPTER, (includes item 21)	
62	91083222	1	REDUCING ADAPTER, (includes item 21)	
63	84717304	1	HOSE ASSY	
64	77133447	1	HOSE ASSY	
65	91053020	2	TEST COUPLING	
66	91163098	1	HOSE ASSY	
67	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
68	77133196	1	HOSE ASSY	
69	2220861	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE	
70	84718355	1	HOSE ASSY	
71	77133279	7	CLAMP SET	
72	77133306	3	STACK BOLT	
73	88201023	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
74	77133137	4	COVER PLATE	
75	77133390	4	SAFETY CLIP	
76	90027187	12	NYLON TIE, (not shown), (six needed per side for rear drive hoses)	
77	88662105	1	ELBOW, 90, SWIVEL NUT	
78	2151212	1	ELBOW, 45, (includes item 21)	
79	90023159	2	O-RING, (one each side)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. REAR DRIVE CIRCUIT (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)



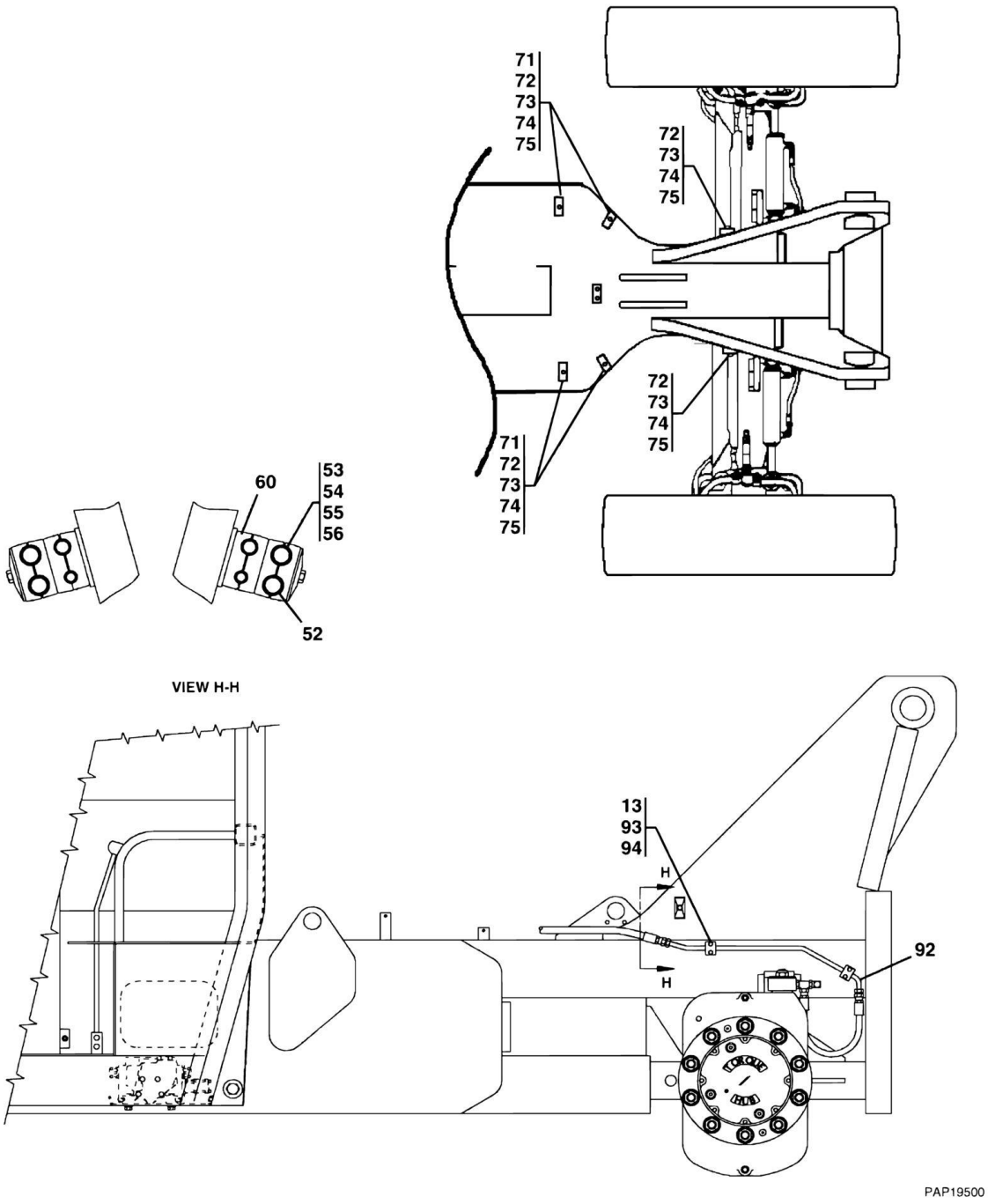

71
72
73
74
75
72
73
74
75
72
73
74
75
71
72
73
74
75
60
53
54
55
56
52
VIEW H-H
13
93
94
H
H
92
PAP19500

FIGURE 8-10. REAR DRIVE CIRCUIT (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88671001	6	STRAIGHT LUBE FITTING, 1/8	
2	80623016	6	BULKHEAD ADAPTER	
3	91406099	1	RIGHT TUBE SUPPORT BRACKET	
4	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
5	88551011	4	LOCKWASHER, 3/8	
6	84721052	2	HOSE ASSY	
7	84719170	2	GREASING HOSE	
8	84721053	2	GREASING HOSE	
9	2220574	4	ADAPTER, 90, 1/4X1/8 TUBE	
10		Ref	UPPER KING PIN, (See FRAME AND ATTACHING PARTS SECTION for Breakdown)	
11		Ref	LOWER KING PIN, (See FRAME AND ATTACHING PARTS SECTION for Breakdown)	
12	77133497	2	CLAMP SET	
13	77133498	6	COVER PLATE	
14	88201007	12	HEX HD CAPSCREW, 1/4-20X1-1/2	
15	77133053	4	CLAMP SET	
16	77133052	4	COVER PLATE	
17	77133209	8	HEX HD CAPSCREW, 1/4-20X1-3/8	
18	91553052	1	RIGHT CASE DRAIN TUBE	
19	91403462	1	RIGHT PRESSURE TUBE	
20	84719447	2	HOSE ASSY	
21	91403463	1	RIGHT PRESSURE TUBE	
22		Ref	RH REAR DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
23	90027187	20	NYLON TIE	
24	2220473	4	ELBOW, 90, (includes item 25)	
25	88591204	6	O-RING	
26	83201115	8	HEX HD CAPSCREW, 3/8-16X1-1/4	
27	88551011	8	LOCKWASHER, 3/8	
28	84712737	4	FLANGE HALF	
29	91553055	1	LEFT TUBE ASSY	
30	80933066	4	O-RING	
31	88662121	2	ELBOW, 45, (swivel nut)	
32	2220865	2	ADAPTER, (includes item 33)	
33	88591207	5	O-RING	
34	91406098	1	LEFT TUBE SUPPORT BRACKET	
35		Ref	LH REAR DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36	91553053	1	RIGHT TUBE ASSY	
37	91553054	1	LEFT CASE DRAIN TUBE	
38	91403466	1	LEFT PRESSURE TUBE	
39	91403467	1	LEFT PRESSURE TUBE	
40	84718739	1	HOSE ASSY	
41	84718740	1	HOSE ASSY	
42	84719416	1	HOSE ASSY	
43	84718355	1	HOSE ASSY	
44	84718741	1	HOSE ASSY	
45	84719415	1	HOSE ASSY	
46	84717304	1	HOSE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	91163122	1	TUBE ASSY	
48	91163201	1	TUBE ASSY	
49		Ref	TRACTION LOCK VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
50		Ref	HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
51		Ref	SOLENOID VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
52	77133279	10	CLAMP SET	
53	77133306	6	STACK BOLT	
54	0641514	6	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
55	77133137	6	COVER PLATE	
56	77133390	6	SAFETY CLIP	
57	91083533	2	FENDER WASHER	
58	91303049	2	HOSE SUPPORT	
59	0641506	2	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
60	80933123	2	CLAMP SET	
62	84718700	1	HOSE ASSY	
63	2220497	1	ADAPTER	
64	88591206	1	O-RING	
65	91063040	2	CLAMP SET	
66	91063039	2	COVER PLATE	
67	88201006	4	HEX HD CAPSCREW, 1/4-20X1-1/4, GR5	
68	88591508	4	O-RING	
69	88261039	8	SOCKET BUTTON HD CAPSCREW, 3/8-16X2	
70	90205792	1	CUSHION CLAMP	
71	84712738	10	FLANGE HALF	
72	83201155	8	HEX HD CAPSCREW, 7/16-14X1-3/4	
73	2220582	1	ADAPTER, (includes item 25)	
74	2220861	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE	
75	91083266	1	TUBE ASSY	
76	2131212	1	ELBOW, 90, (includes item 33)	
77	2151212	1	ELBOW, 45, (includes item 33)	
78	91053020	2	TEST COUPLING	
79	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
80	77133196	1	HOSE ASSY	
81	2220622	1	REDUCER W/ADAPTER	
82	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
83	2220451	1	ADAPTER, (includes item 33)	
84	91083222	1	ELBOW, 90, (swivel nut)	
85	88662239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
86	77133447	1	HOSE ASSY	
87	88662105	1	ELBOW, 90, (swivel nut)	
88	91163098	1	TUBE ASSY	
89	2220579	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
90	2220371	1	ADAPTER, (includes item 25)	
91	90023159	2	O-RING	
92	91143354	2	TUBE ASSY	
93	91033138	4	CLAMP SET	
94	0641412	8	HEX HD CAPSCREW, 1/4-20X1-1/2	
95	14403323	AR	NEVER SEEZE LUBE	
96	91123092	8	STUD	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	85401340	8	HARDENED WASHER	
98	91083449	8	HEX NUT	
99	14404595	AR	MEGAPLEX GREASE	
100	2220612	2	ADAPTER, 90	

FIGURE 8-11. INCHING AND PARKING BRAKE LINES

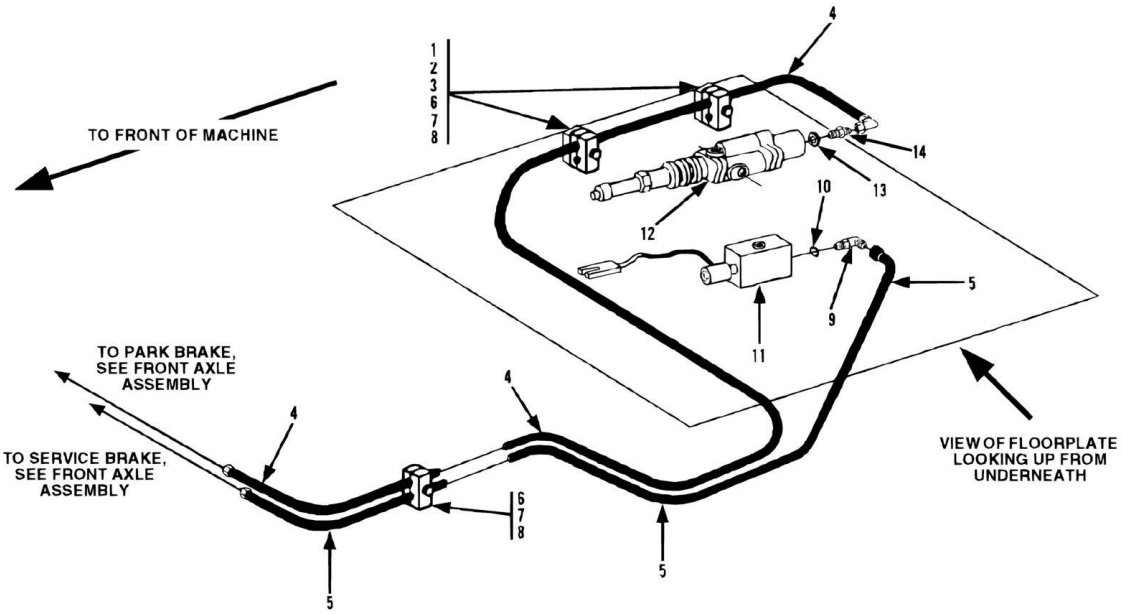


FIGURE 8-11. INCHING AND PARKING BRAKE LINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	77133168	2	CLAMP SET	
2	77133306	2	STACK BOLT	
3	77133390	2	SAFETY CLIP	
4	84719115	1	HOSE ASSY	
5	84719847	1	HOSE ASSY	
6	77133136	5	CLAMP SET	
7	77133137	4	COVER PLATE	
8	0641514	3	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
9		Ref	ELBOW, 90, (includes item 10), (See CONTROLS SECTION for Breakdown)	
10		Ref	O-RING, (See CONTROLS SECTION for Breakdown)	
11		Ref	SOLENOID VALVE ASSY, (See CONTROLS SECTION for Breakdown)	
12		Ref	BRAKE VALVE ASSY, (See CONTROLS SECTION for Breakdown)	
13		Ref	COPPER GASKET, (See CONTROLS SECTION for Breakdown)	
14		Ref	STRAIGHT THREAD ADAPTER, (See CONTROLS SECTION for Breakdown)	

FIGURE 8-12. LIFT CYLINDER

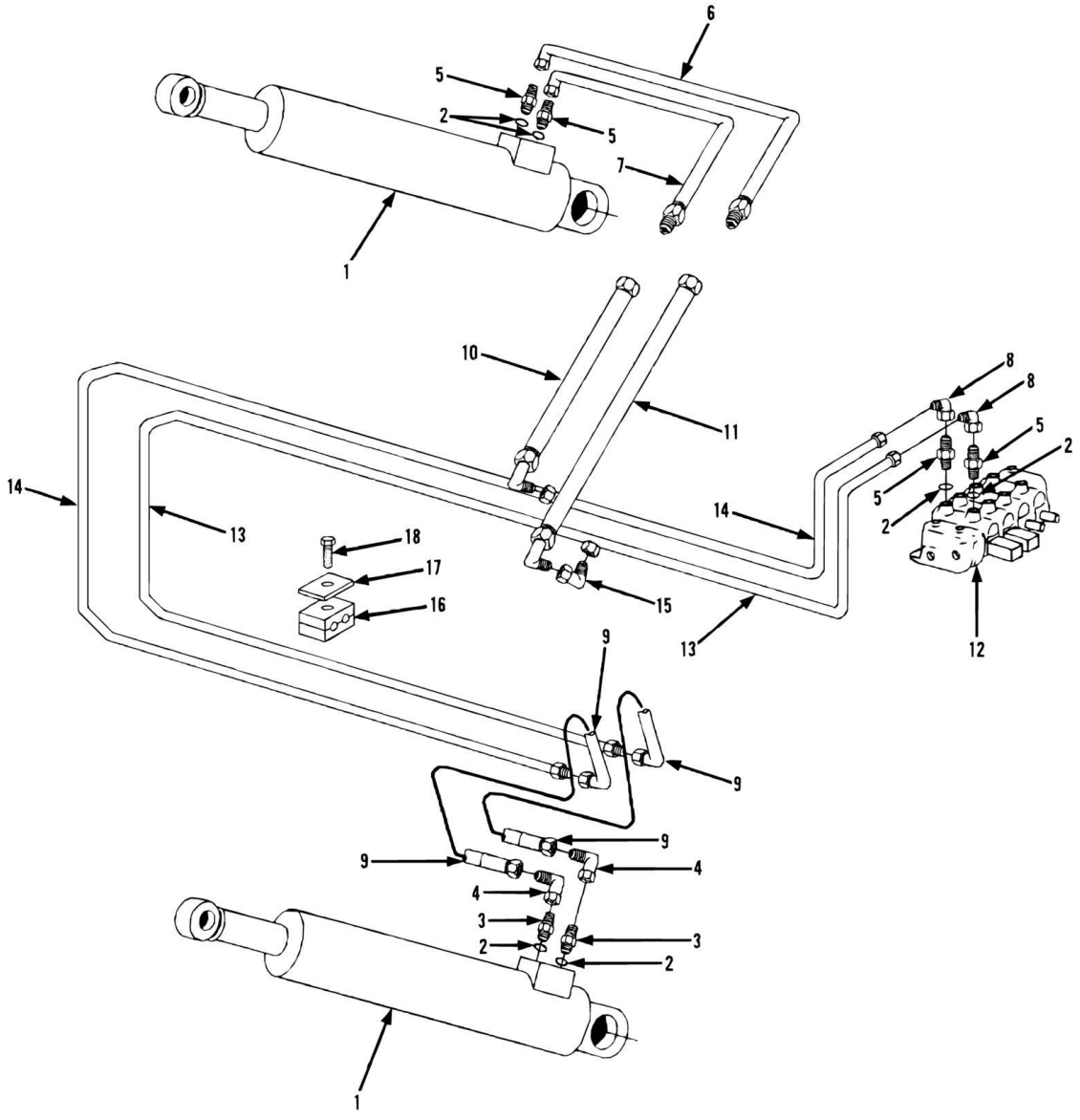


FIGURE 8-12. LIFT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	LIFT CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	O-RING	
3	2220865	2	ADAPTER, (includes item 2)	
4	2220973	2	ELBOW, 90, (swivel nut)	
5	2220451	4	ADAPTER, (includes item 2)	
6	91163220	1	HYDRAULIC TUBE ASSY	
7	91163219	1	HYDRAULIC TUBE ASSY	
8	2220655	2	ELBOW, 90, (swivel nut)	
9	84718948	2	HOSE ASSY	
10	84718893	1	HOSE ASSY	
11	84718894	1	HOSE ASSY	
12		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
13	91163217	1	TUBE ASSY	
14	91163218	1	TUBE ASSY	
15	2220973	1	ELBOW, 90, (swivel nut)	
16	77133279	1	CLAMP SET	
17	77133137	1	COVER PLATE	
18	88201023	1	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	

FIGURE 8-13. CROWD CYLINDER

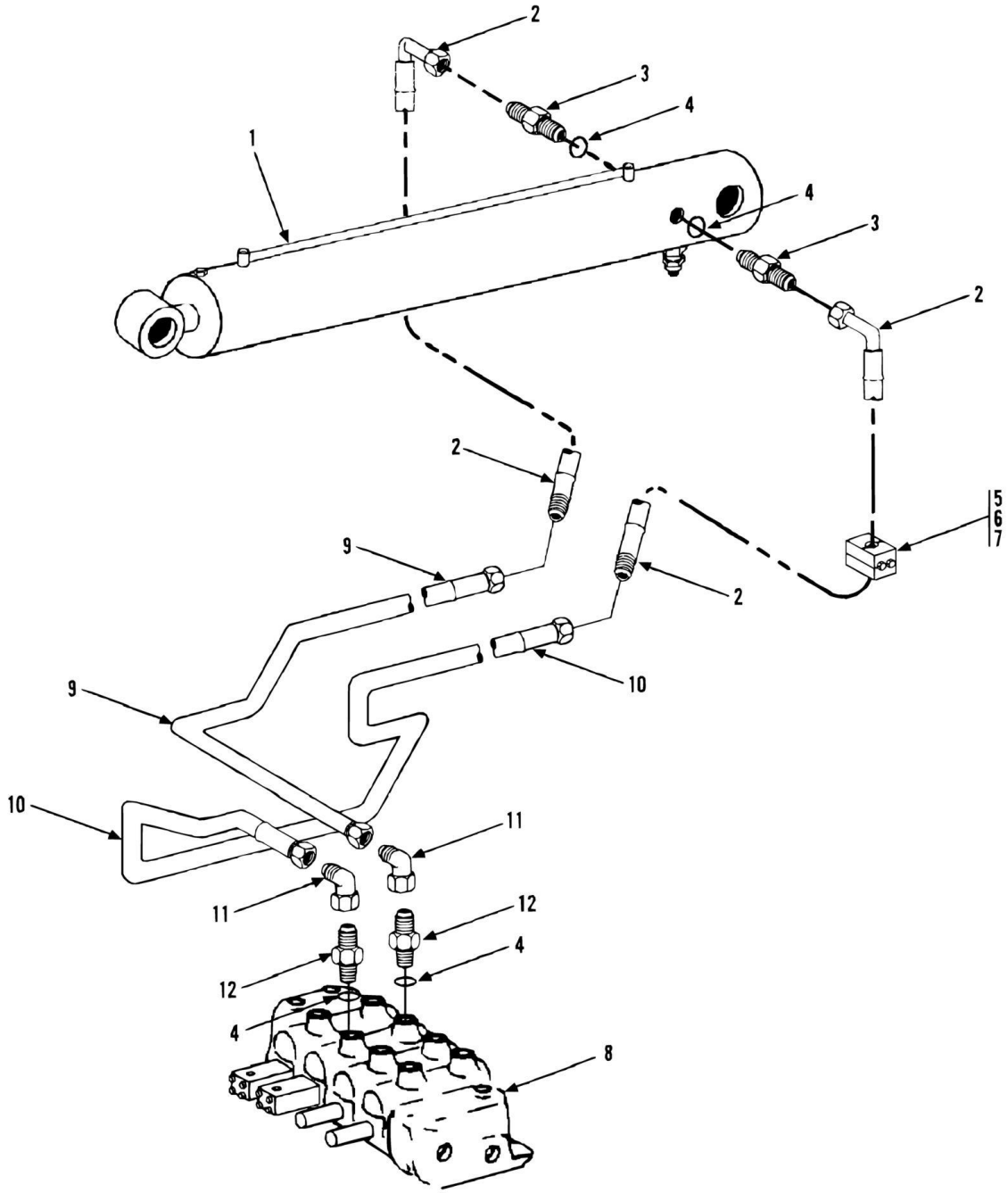


FIGURE 8-13. CROWD CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	CROWD CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	84719066	2	HOSE ASSY	
3	2220865	2	ADAPTER, (includes item 4)	
4	88591207	4	O-RING	
5	77133073	2	CLAMP SET	
6	77133052	2	COVER PLATE	
7	0641422	4	HEX HD CAPSCREW, 1/4-20X1-3/8	
8		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
9	91163095	1	TUBE ASSY	
10	91163094	1	TUBE ASSY	
11	2220655	2	ELBOW, 90, (swivel nut)	
12	2220974	2	ADAPTER, (includes item 4)	

FIGURE 8-14. TILT AND COMPENSATING CYLINDERS (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

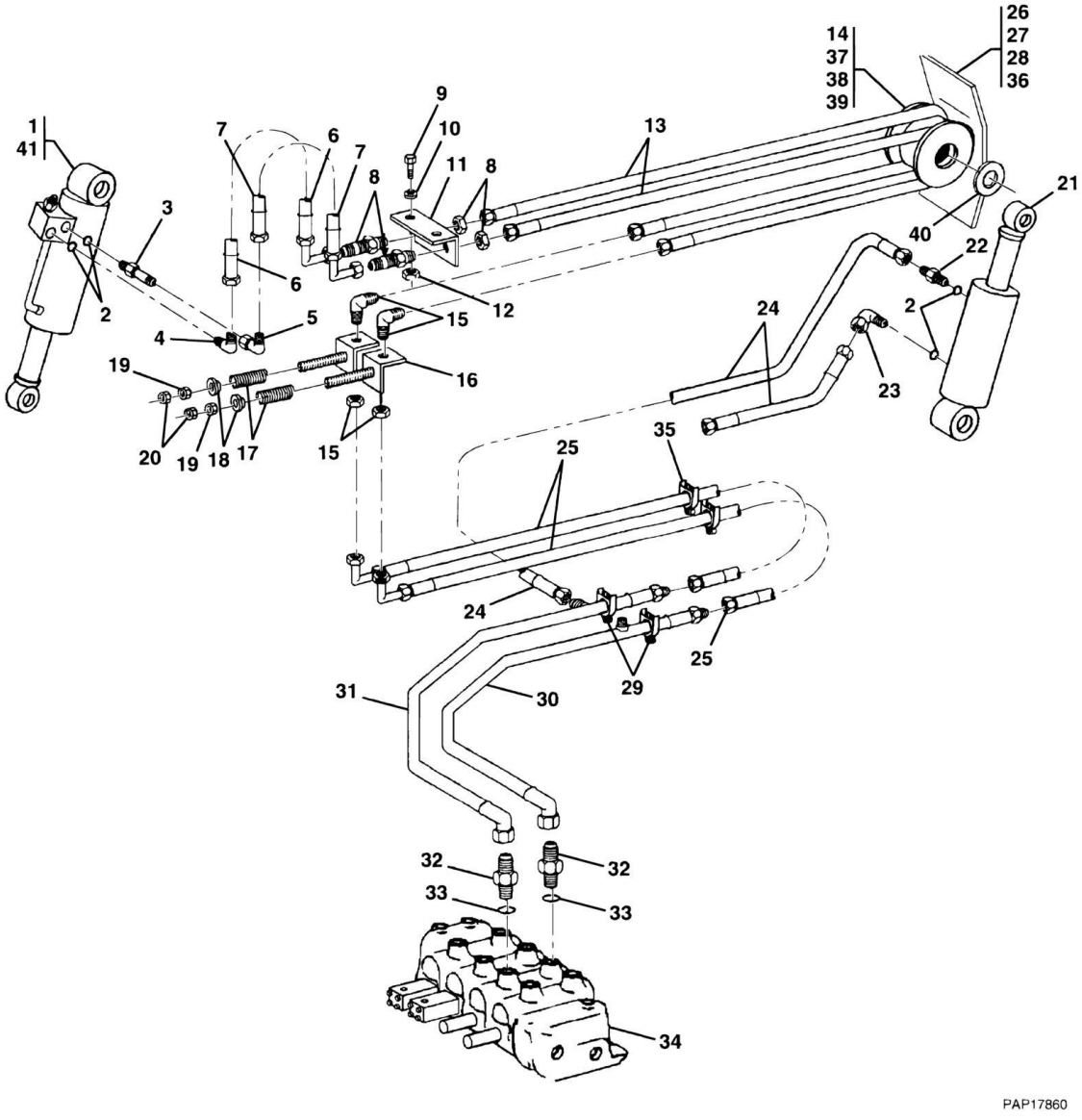


FIGURE 8-14. TILT AND COMPENSATING CYLINDERS (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	TILT CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	O-RING	
3	88662037	1	ADAPTER, (includes item 2)	
4	2220671	1	ELBOW, 90, (includes item 2)	
5	2220973	1	ELBOW, 90, (swivel nut)	
6	84718372	1	HOSE ASSY	
7	84718373	1	HOSE ASSY	
8	2230025	2	ADAPTER	
9	88201021	2	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
10	88551010	2	LOCKWASHER, 5/16	
11	91141210	1	BULKHEAD BRACKET	
12	88501005	2	HEX NUT, 5/16-18	
13	84718868	2	HOSE ASSY	
14	91143024	1	HOSE SHEAVE	
15	2230044	2	ELBOW, 90	
16	91146028	2	HOSE TAKE-UP WELDMENT	
17	91123054	2	COMPRESSION SPRING	
18	91121134	2	SPRING RETAINER	
19	88501008	2	HEX NUT, 1/2-13	
20	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
21		Ref	COMPENSATING CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22	2220947	1	ADAPTER, (includes item 2)	
23	2221050	1	ELBOW, 45, (includes item 2)	
24	84718728	2	HOSE ASSY	
25	84719018	2	HOSE ASSY	
26		Ref	HOSE GUIDE BRACKET, (See BOOM SECTION for Breakdown)	
27	88201034	2	HEX HD CAPSCREW, 3/8-16x7/8	
28	88561109	2	FLAT WASHER, 3/8	
29	90207463	2	CLAMP SET	
30	91163167	1	TUBE ASSY	
31	91163166	1	TUBE ASSY	
32	2220451	2	ADAPTER, (includes item 33)	
33		Ref	O-RING	
34		Ref	MAIN CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
35	90207463	6	CUSHION CLAMP	
36	88551011	2	LOCKWASHER, 3/8	
37		Ref	RETRACTION SHEAVE ASSY, (See BOOM SECTION for Breakdown)	
38		Ref	RETRACTION SHEAVE PIN, (See BOOM SECTION for Breakdown)	
39	11404793	AR	UNION 76 MEGAPLEX GREASE	
40	91041449	2	THRUST WASHER	
41	14404595	AR	MEGAPLEX GREASE	

FIGURE 8-15. TILT AND COMPENSATING CYLINDERS (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)

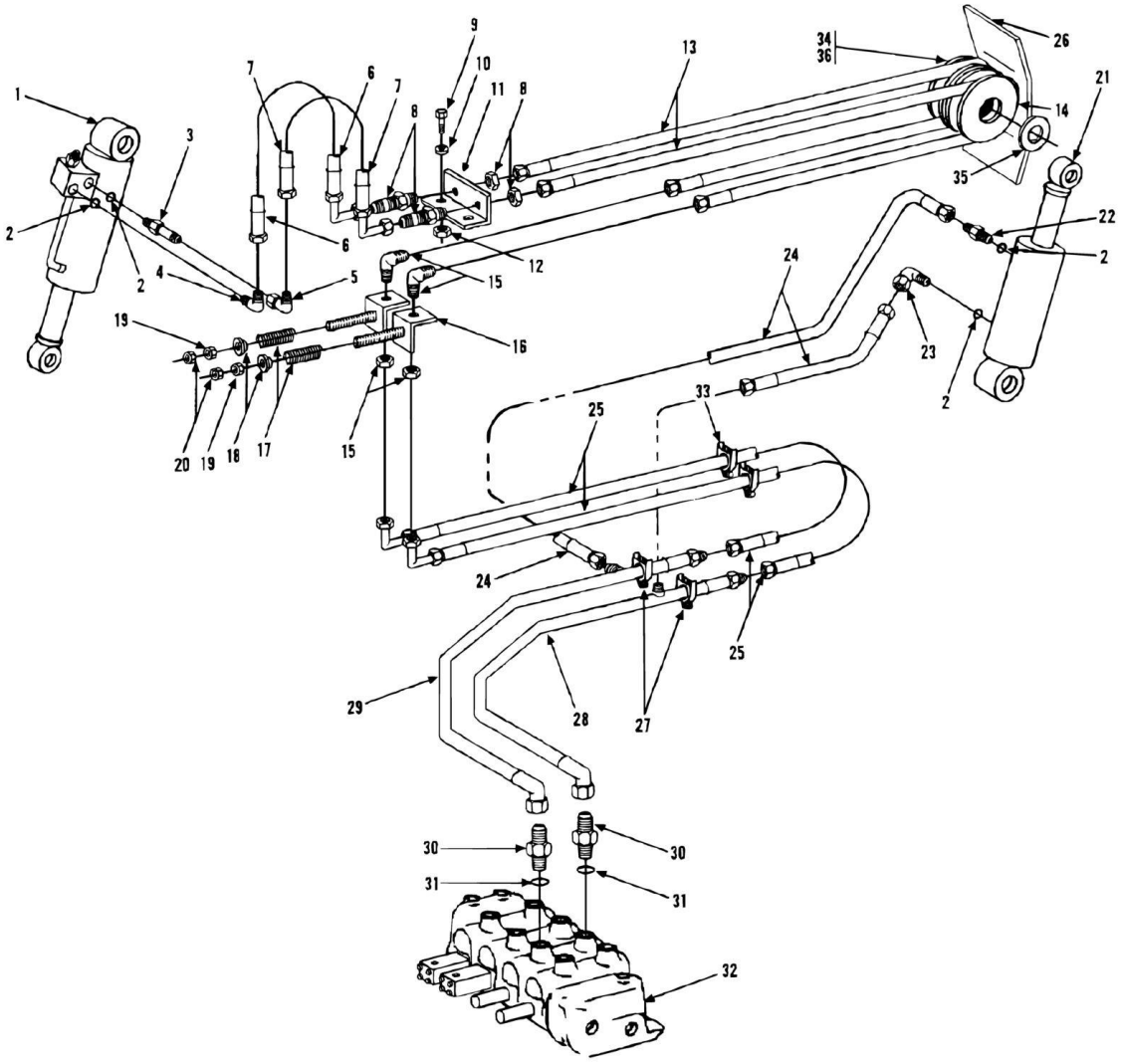


FIGURE 8-15. TILT AND COMPENSATING CYLINDERS (534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	TILT CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	88591206	6	O-RING	
3	2220947	1	ADAPTER, (includes item 2)	
4	2220671	1	ELBOW, 90, (includes item 2)	
5	2220973	1	ELBOW, 90, (swivel nut)	
6	84718372	1	HOSE ASSY	
7	84718373	1	HOSE ASSY	
8	2230025	2	BULKHEAD UNION, 3/4-16X1/2 TUBE	
9	0641510	2	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
10	4761500	2	LOCKWASHER, 5/16	
11	91141210	1	BULKHEAD BRACKET	
12	88501005	2	HEX NUT, 5/16-18	
13	84721049	2	HOSE ASSY	
14	91343223	1	HOSE SHEAVE	
15	2230044	2	ELBOW, 90, (swivel nut)	
16	91166068	2	HOSE TAKE-UP WELDMENT	
17	91123054	2	COMPRESSION SPRING	
18	91121134	2	SPRING RETAINER	
19	88501008	2	HEX NUT, 1/2-13	
20	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
21		Ref	COMPENSATING CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22	2220497	1	ADAPTER, (includes item 2)	
23	88662086	1	ELBOW, 45, (includes item 2)	
24	84718728	2	HOSE ASSY	
25	84719075	2	HOSE ASSY	
26		Ref	HOSE GUIDE BRACKET, (See BOOM SECTION for Breakdown)	
27	90207463	2	CLAMP SET	
28	91163167	1	TUBE ASSY	
29	91163166	1	TUBE ASSY	
30	2220451	2	ADAPTER, (includes item 31)	
31		Ref	O-RING	
32		Ref	MAIN CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
33	90207463	6	CUSHION CLAMP	
34		Ref	RETRACTION SHEAVE ASSY, (See BOOM SECTION for Breakdown)	
35	91041449	4	THRUST WASHER	
36	91343224	1	HOSE SHEAVE	

FIGURE 8-16. SWAY CYLINDER

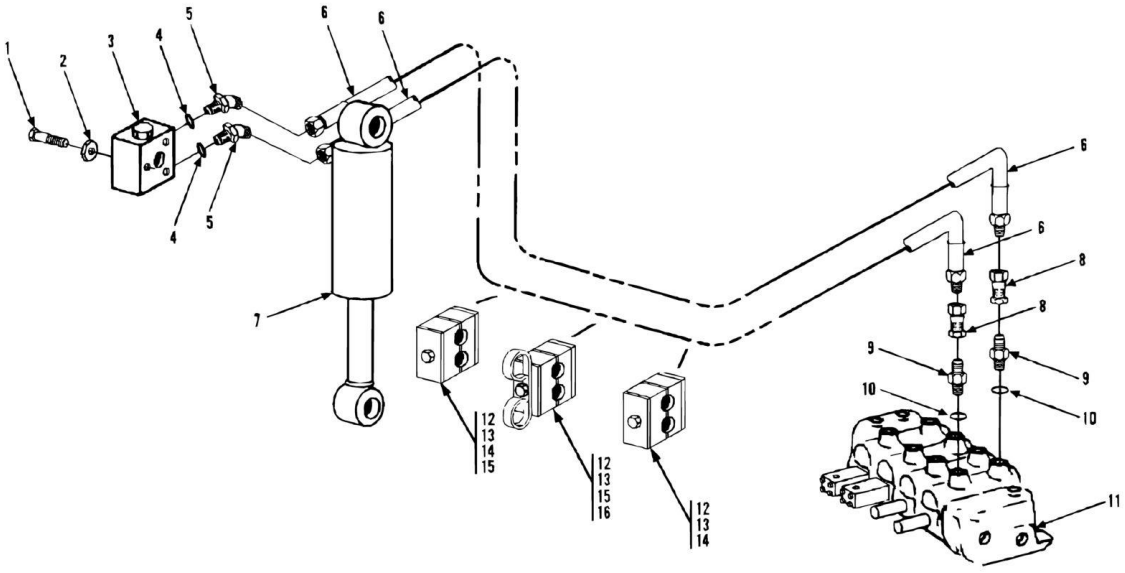


FIGURE 8-16. SWAY CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0641618	3	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5, (torque to 30-35 ft lbs)	
2	4761600	3	LOCKWASHER, 3/8	
3		Ref	SWAY CYLINDER VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4		Ref	O-RING	
5	2220502	2	ELBOW, 45, (includes item 4)	
6	84719040	2	HOSE ASSY	
7		Ref	SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	2220618	2	ADAPTER	
9	2220375	2	ADAPTER, (includes item 10)	
10		Ref	O-RING	
11		Ref	MAIN CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
12	77133168	3	CLAMP SET	
13	77133140	3	COVER PLATE	
14	77133177	2	HEX HD CAPSCREW, 5/16-18X1-3/8	
15	86621230	3	SUPPORT CLAMP	
16	88201022	1	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	

FIGURE 8-17. STEERING CYLINDER (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

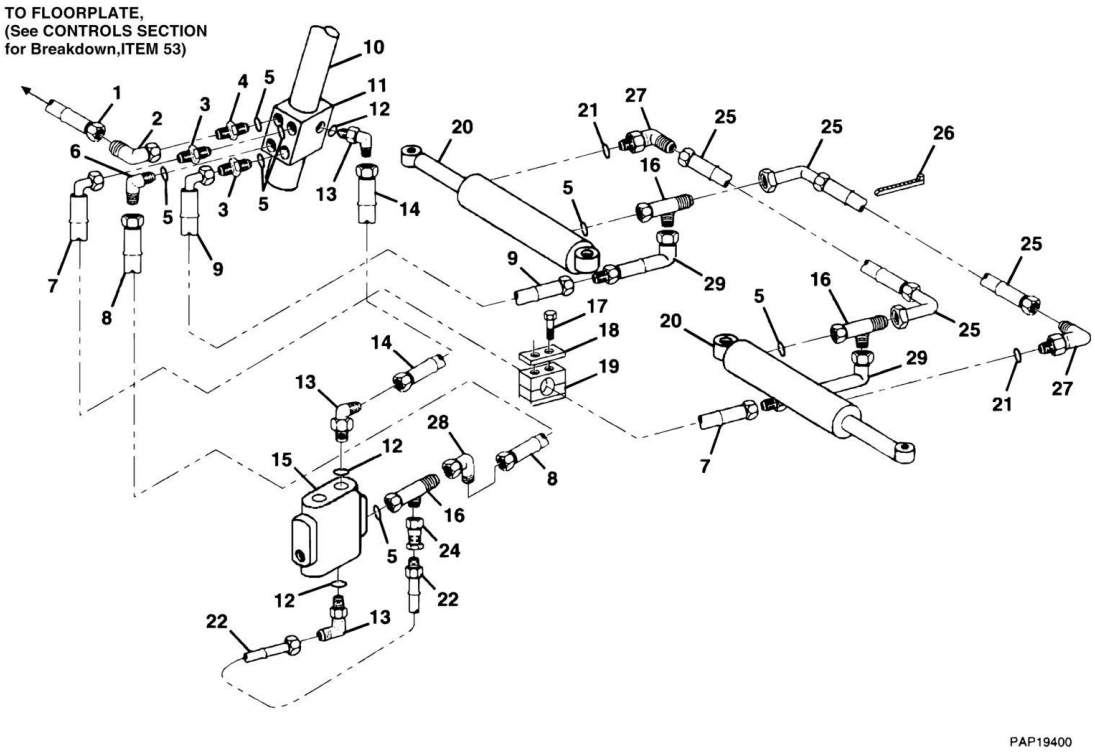


FIGURE 8-17. STEERING CYLINDER (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718672	1	HOSE ASSY	
2	8760268	1	ELBOW, 90, (swivel nut)	
3	2220373	2	ADAPTER, (includes item 5)	
4	2220372	1	ADAPTER, (includes item 5)	
5		Ref	O-RING	
6	2220596	1	ELBOW, 90, (includes item 5)	
7	84719042	1	HOSE ASSY	
8	84718951	1	HOSE ASSY	
9	84719057	1	HOSE ASSY	
10		Ref	STEERING COLUMN, (See CONTROLS SECTION for Breakdown)	
11		Ref	STEERING CONTROL UNIT, (See CONTROLS SECTION for Breakdown)	
12		Ref	O-RING	
13	2220466	3	ELBOW, 90, (includes item 12)	
14	84718673	1	HOSE ASSY	
15		Ref	FLOW DIVIDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	2220602	3	RUN TEE, (includes item 5)	
17	88201023	4	HEX HD CAPSCREW, 5/16-18x1 3/4, GR5	
18	77133137	4	COVER PLATE	
19	80933123	2	CLAMP SET	
20		Ref	STEERING CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88591204	2	O-RING	
22	84718692	1	HOSE ASSY	
24	88661341	1	TUBE END REDUCER, 1/2X1/4, TUBE, (includes nut)	
24	88661406	1	NUT	
25	84718202	2	HOSE ASSY	
26	90027187	12	TIE WRAP	
27	2220473	2	ELBOW, 90, (includes item 21)	
28	88662106	1	ELBOW, 90, (swivel nut)	
29	90022042	2	HOSE ASSY	

FIGURE 8-18. STEERING CYLINDER (534D-9 SN 0160001051 through 0160001975, Including 0160000700, Excluding 0160001779; 534D-10 SN 0160000978 through 0160002009, Excluding 0160001794 and 0160001800)

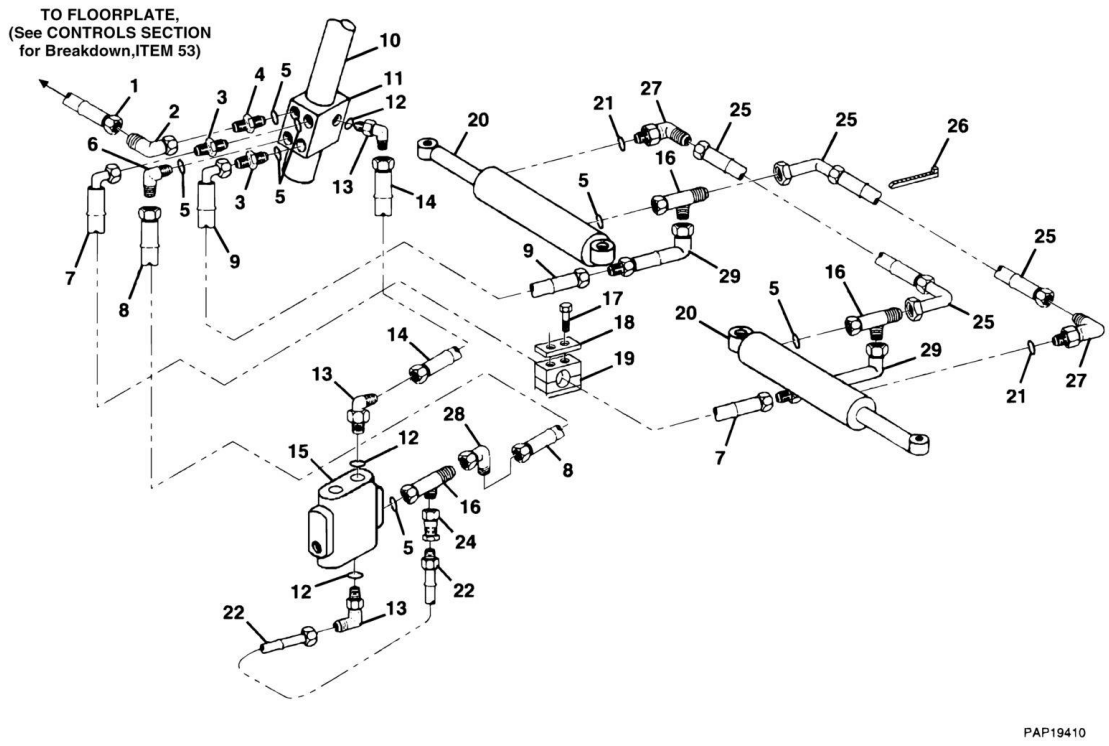


FIGURE 8-18. STEERING CYLINDER (534D-9 SN 0160001051 through 0160001975, Including 0160000700, Excluding 0160001779; 534D-10 SN 0160000978 through 0160002009, Excluding 0160001794 and 0160001800)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718672	1	HOSE ASSY	
2	8760268	1	ELBOW, 90, (swivel nut)	
3	2220373	2	ADAPTER, (includes item 5)	
4	2220372	1	ADAPTER, (includes item 5)	
5		Ref	O-RING	
6	2220596	1	ELBOW, 90, (includes item 5)	
7	84719977	1	HOSE ASSY	
8	84718951	1	HOSE ASSY	
9	84719057	1	HOSE ASSY	
10		Ref	STEERING COLUMN, (See CONTROLS SECTION for Breakdown)	
11		Ref	STEERING CONTROL UNIT, (See CONTROLS SECTION for Breakdown)	
12		Ref	O-RING	
13	2220466	3	ELBOW, 90, (includes item 12)	
14	84719978	1	HOSE ASSY	
15		Ref	FLOW DIVIDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	2220602	3	RUN TEE, (includes item 5)	
17	88201023	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
18	77133137	4	COVER PLATE	
19	80933123	2	CLAMP SET	
20		Ref	STEERING CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88591204	2	O-RING	
22	84718692	1	HOSE ASSY	
24	88661341	1	TUBE END REDUCER, 1/2X1/4, TUBE, (includes nut)	
24	88661406	1	NUT	
25	84718202	2	HOSE ASSY	
26	90027187	12	TIE WRAP	
27	2220473	2	ELBOW, 90, (includes item 21)	
28	88662106	1	ELBOW, 90, (swivel nut)	
29	90022042	2	HOSE ASSY	

FIGURE 8-19. STEERING CYLINDER (534D-9 SN 0160002037 to Present, Including 0160001779; 534D-10 SN 0160002048 to Present, Including 0160001794 and 0160001800)

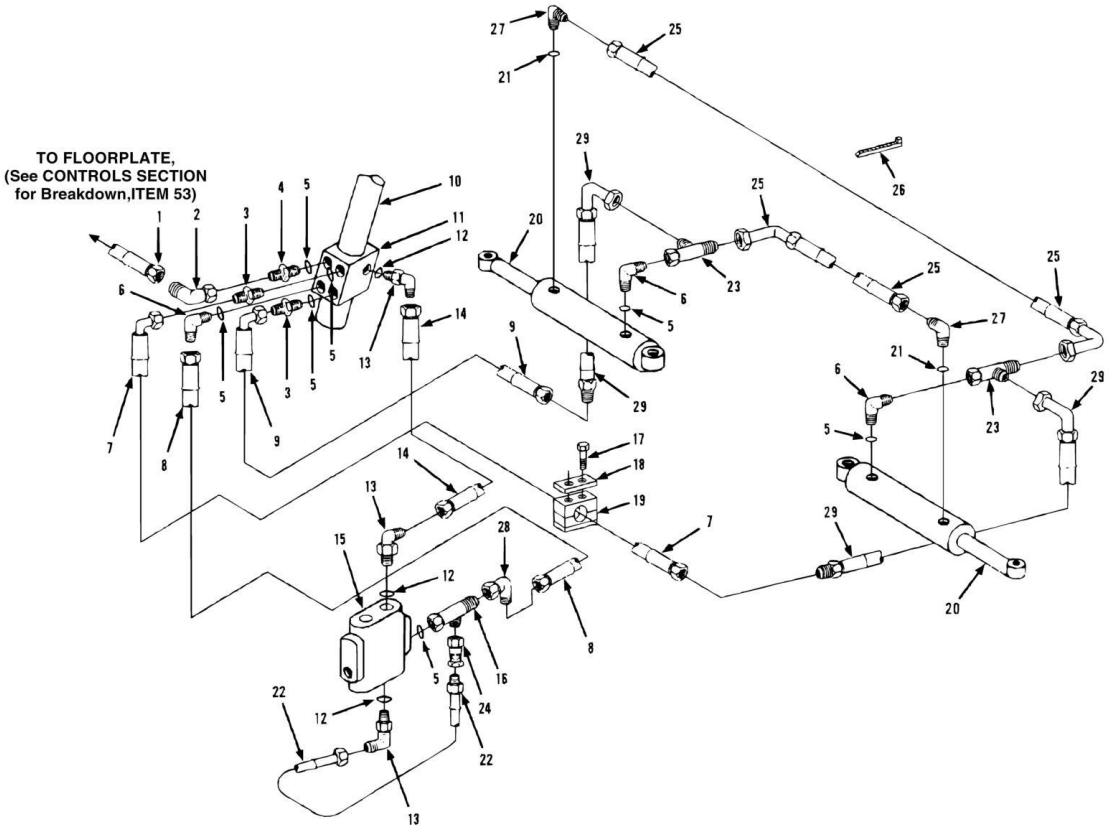


FIGURE 8-19. STEERING CYLINDER (534D-9 SN 0160002037 to Present, Including 0160001779; 534D-10 SN 0160002048 to Present, Including 0160001794 and 0160001800)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718672	1	HOSE ASSY	
2	8760268	1	ELBOW, 90, (swivel nut)	
3	2220373	2	ADAPTER, (includes item 5)	
4	2220372	1	ADAPTER, (includes item 5)	
5		Ref	O-RING	
6	2220596	3	ELBOW, 90, (includes item 5)	
7	84721060	1	HOSE ASSY, **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
7	1001093469	1	HOSE ASSY, **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
8	84718955	1	HOSE ASSY, **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
8	1001093470	1	HOSE ASSY, **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
9	84718294	1	HOSE ASSY, **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
9	1001093468	1	HOSE ASSY, **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
10		Ref	STEERING COLUMN, (See CONTROLS SECTION for Breakdown)	
11		Ref	STEERING CONTROL UNIT, (See CONTROLS SECTION for Breakdown)	
12		Ref	O-RING	
13	2220466	3	ELBOW, 90, (includes item 12)	
14	84718860	1	HOSE ASSY, **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
14	1001093471	1	HOSE ASSY, **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
15		Ref	FLOW DIVIDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	2220602	1	RUN TEE, (includes item 5)	
17	88201023	4	HEX HD CAPSCREW, 5/16-18x1 3/4, GR5	
18	77133137	4	COVER PLATE	
19	80933123	2	CLAMP SET	
20		Ref	STEERING CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88591204	2	O-RING	
22	84718692	1	HOSE ASSY	
23	2220385	2	RUN TEE	
24	2220618	1	ADAPTER	
25	84718189	2	HOSE ASSY	
26	90027187	12	TIE WRAP	
27	2220473	2	ELBOW, 90, (includes item 21)	
28	8765204	1	ELBOW, 90, (swivel nut)	
29	84717594	2	HOSE ASSY	

FIGURE 8-20. JOYSTICK CIRCUIT

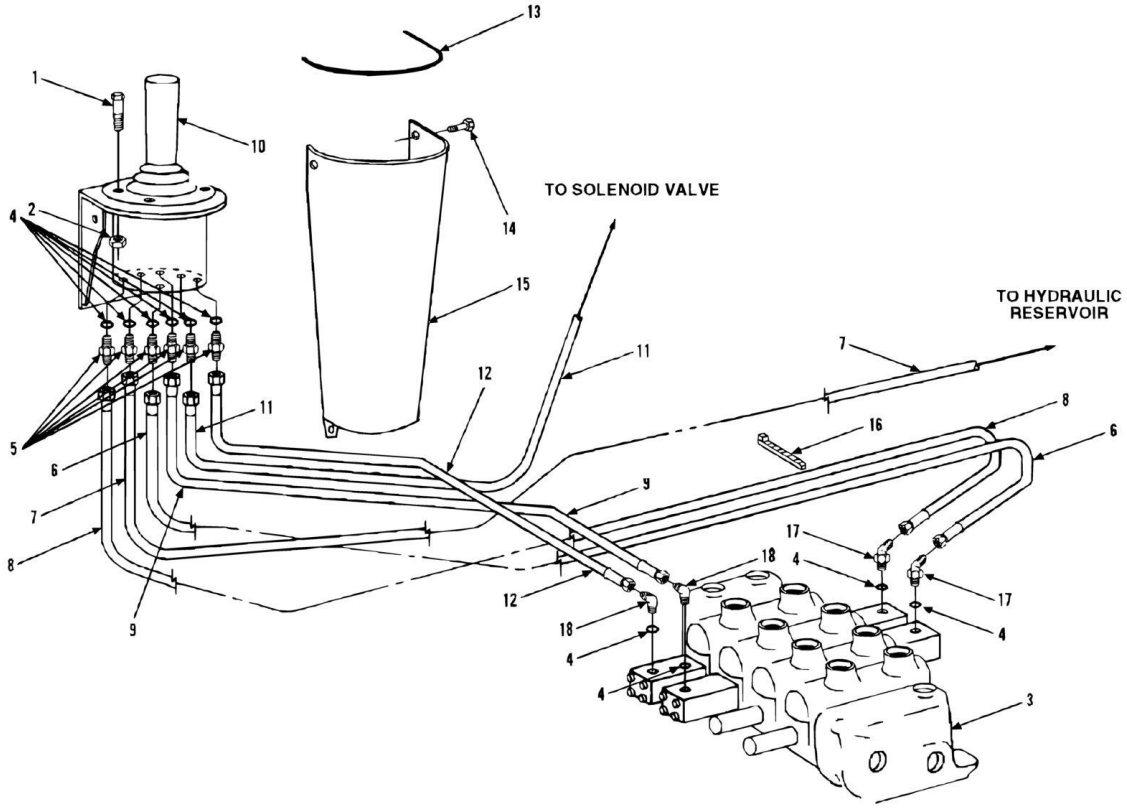


FIGURE 8-20. JOYSTICK CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88261017	4	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8, GR5	
2	88521304	4	LOCKNUT, 1/4-20	
3		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4		Ref	O-RING	
5	2220371	6	ADAPTER, (includes item 4)	
6	84718377	1	HOSE ASSY	
7	84718736	1	HOSE ASSY	
8	77133197	1	HOSE ASSY	
9	84717519	1	HOSE ASSY	
10		Ref	JOYSTICK ASSY, (See CONTROLS SECTION for Breakdown), (includes items 4 & 5)	
11	84718735	1	HOSE ASSY	
12	77363126	1	HOSE ASSY	
13	90206196	AR	TRIM-LOK	
14	77143003	2	WHIZ SCREW, 5/16-18X5/8	
15	91363002	1	COVER	
16	90027187	AR	TIE WRAP	
17	2220501	2	ELBOW, 45, (includes item 4)	
18	2220473	2	ELBOW, 90, (includes item 4)	

FIGURE 8-21. OUTRIGGER CYLINDER (534D-10 SN 0366001 through 0366533; SN 0160000125 through 0160000974)

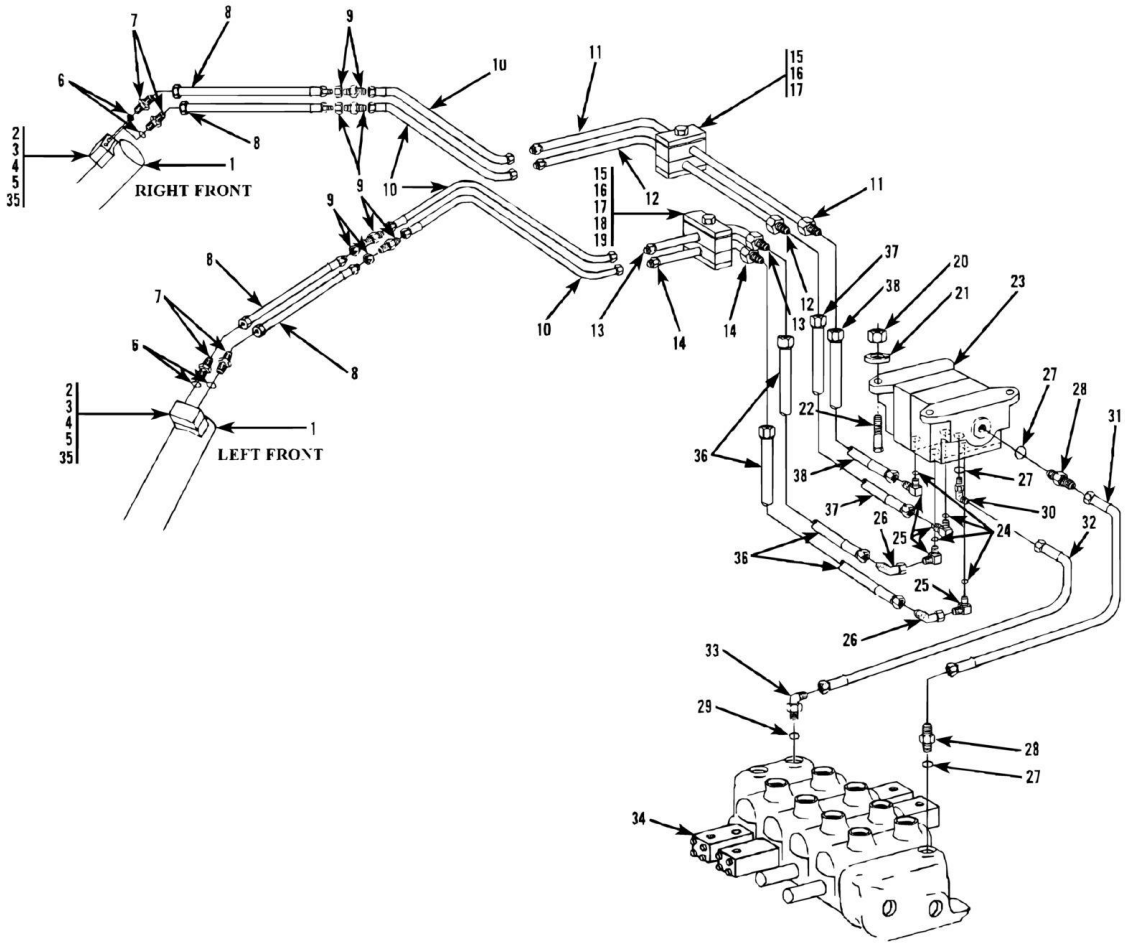


FIGURE 8-21. OUTRIGGER CYLINDER (534D-10 SN 0366001 through 0366533; SN 0160000125 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	OUTRIGGER CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	OUTRIGGER CYLINDER VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88201040	6	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
4	88551011	6	LOCKWASHER, 3/8	
5	88591012	4	O-RING	
6		Ref	O-RING	
7	2220371	4	ADAPTER, (includes item 6)	
8	84718737	4	HOSE ASSY	
9	88661084	4	BULKHEAD UNION, 9/16-18X3/8, TUBE	
10	84718961	4	HOSE ASSY	
11	91163128	1	TUBE ASSY	
12	91163127	1	TUBE ASSY	
13	91163126	1	TUBE ASSY	
14	91163125	1	TUBE ASSY	
15	77133168	7	CLAMP SET, (4 not illustrated)	
16	77133140	4	COVER PLATE, (2 not illustrated)	
17	77133177	4	HEX HD CAPSCREW, 5/16-18X1-3/8, (2 not illustrated)	
18	77133390	3	SAFETY CLIP, (2 not illustrated)	
19	77133389	3	STACK BOLT, (2 not illustrated)	
20	88501008	3	HEX NUT, 1/2-13	
21	88551013	3	LOCKWASHER, 1/2	
22	88201070	3	HEX HD CAPSCREW, 1/2-13X2-1/4, GR5	
23		Ref	OUTRIGGER CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
24		Ref	O-RING	
25	2221048	4	ELBOW, 90, (includes item 24)	
26	8760268	2	ELBOW, 90, (swivel nut)	
27		Ref	O-RING	
28	2220435	2	ADAPTER, (includes item 27)	
29		Ref	O-RING	
30	2220465	1	ELBOW, 90, (includes item 27)	
31	84719224	1	HOSE ASSY	
32	84718680	1	HOSE ASSY	
33	2220578	1	ELBOW, 90, (includes item 29)	
34		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
35	91163246	2	ORIFICE FITTING, (port "c")	
36	84718682	2	HOSE ASSY	
37	84718696	1	HOSE ASSY	
38	84718695	1	HOSE ASSY	

FIGURE 8-22. OUTRIGGER CYLINDER (534D-10 SN 0160000978 to Present)

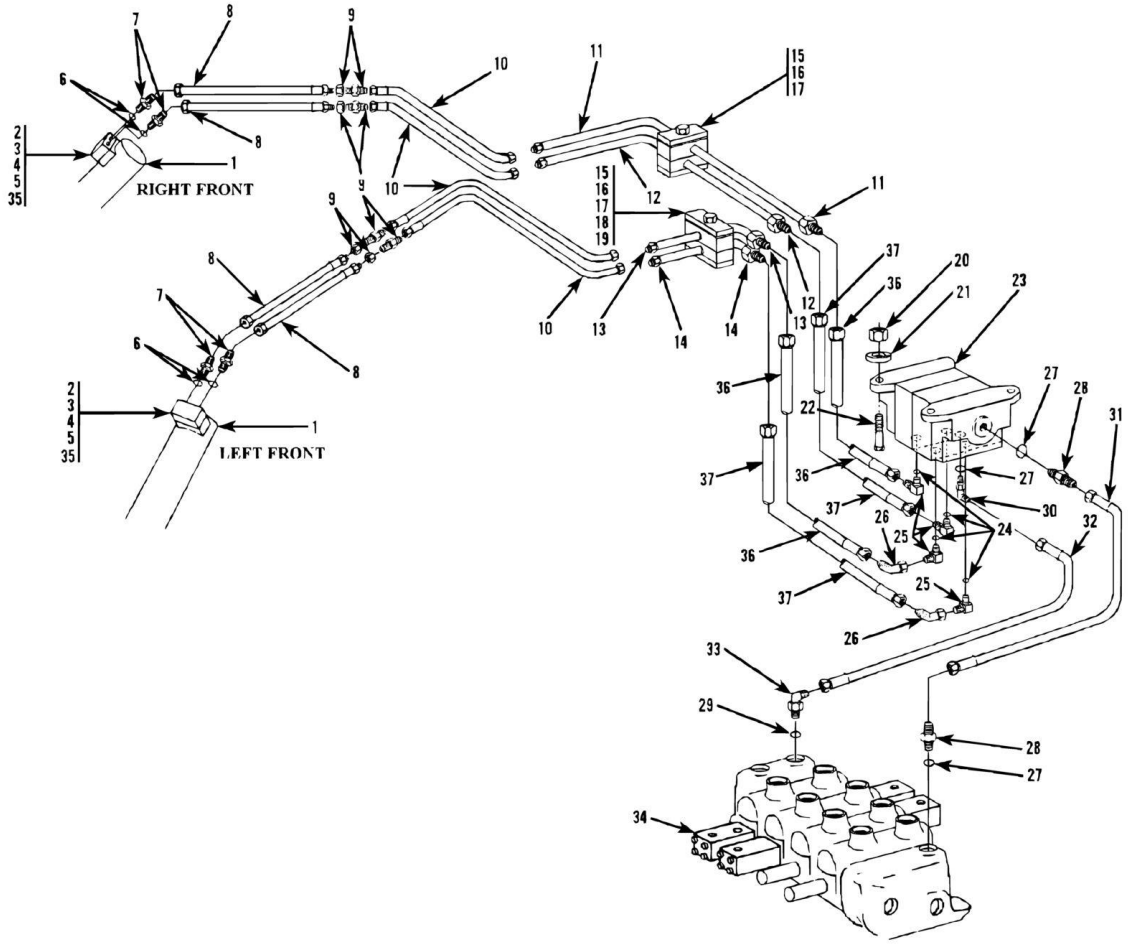


FIGURE 8-22. OUTRIGGER CYLINDER (534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	OUTRIGGER CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	OUTRIGGER CYLINDER VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88201040	6	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5, **(534D-10 SN 0160000978 through 0160038773)**	
4	88551011	6	LOCKWASHER, 3/8, **(534D-10 SN 0160000978 through 0160038773)**	
5	88591012	4	O-RING, **(534D-10 SN 0160000978 through 0160038773)**	
6		Ref	O-RING	
7	2220371	4	ADAPTER, (includes item 6)	
8	84718737	4	HOSE ASSY	
9	2230024	4	BULKHEAD UNION, 9/16-18X3/8, TUBE	
10	84718961	4	HOSE ASSY	
11	91553035	1	TUBE ASSY	
12	91553034	1	TUBE ASSY	
13	91553033	1	TUBE ASSY	
14	91553032	1	TUBE ASSY	
15	77133168	7	CLAMP SET, (4 not illustrated)	
16	77133140	4	COVER PLATE, (2 not illustrated)	
17	77133177	4	HEX HD CAPSCREW, 5/16-18X1-3/8, (2 not illustrated)	
18	77133390	3	SAFETY CLIP, (2 not illustrated)	
19	77133389	3	STACK BOLT, (2 not illustrated)	
20	88501008	3	HEX NUT, 1/2-13	
21	88551013	3	LOCKWASHER, 1/2	
22	88201070	3	HEX HD CAPSCREW, 1/2-13X2-1/4, GR5	
23		Ref	OUTRIGGER CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
24		Ref	O-RING	
25	2221048	4	ELBOW, 90, (includes item 24)	
26	8760268	2	ELBOW, 90, (swivel nut)	
27		Ref	O-RING	
28	2220435	2	ADAPTER, (includes item 27)	
29		Ref	O-RING	
30	2220465	1	ELBOW, 90, (includes item 27)	
31	84719224	1	HOSE ASSY	
32	84718680	1	HOSE ASSY	
33	2220578	1	ELBOW, 90, (includes item 29)	
34		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
35	91163246	2	ORIFICE FITTING, (port "c"), **(534D-10 SN 0160000978 through 0160038773)**	
36	84719976	2	HOSE ASSY	
37	84719984	2	HOSE ASSY	

FIGURE 8-23. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)

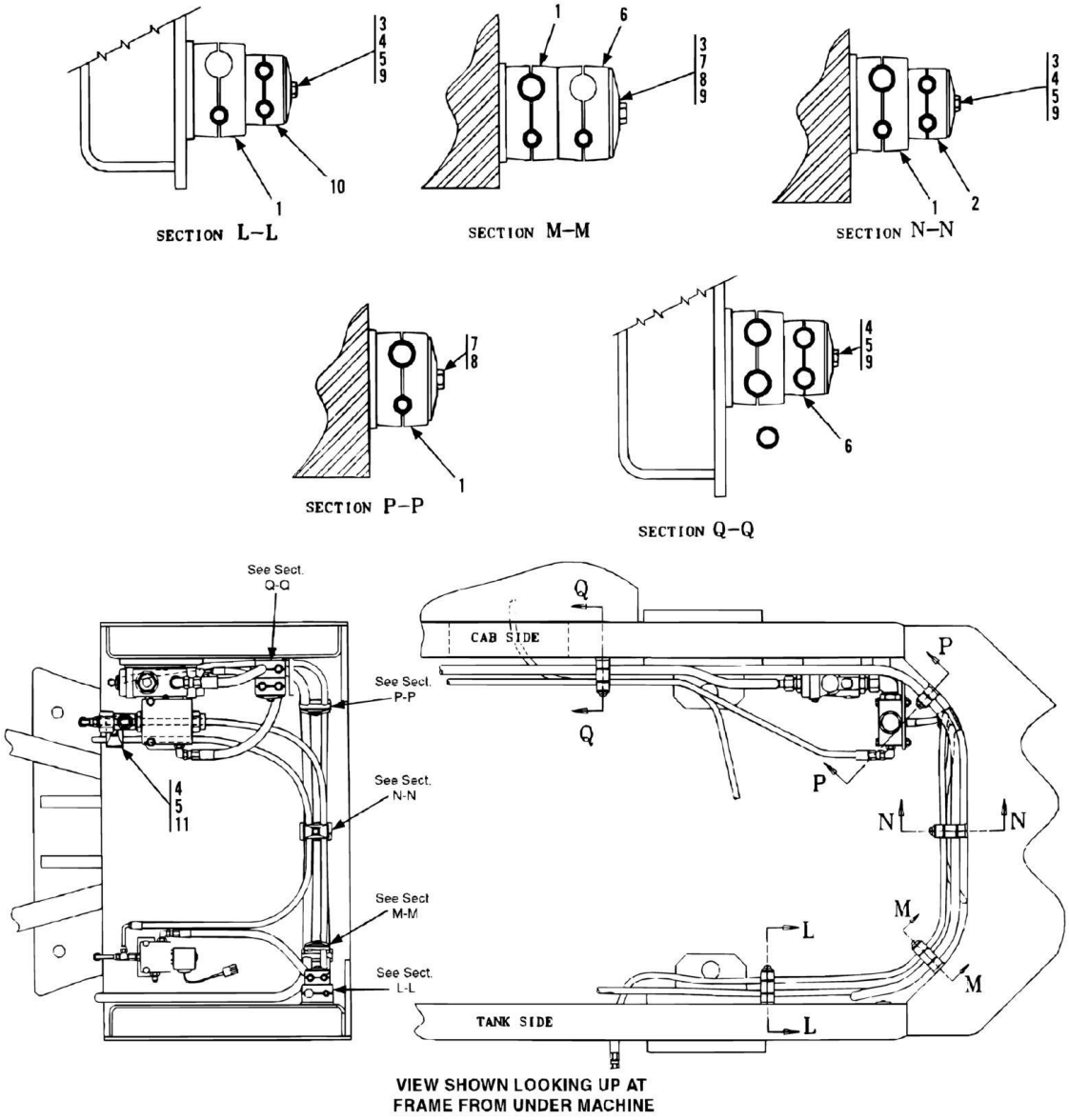


FIGURE 8-23. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0544001 through 0544217; 534D-10 SN 0366001 through 0366054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80933123	4	CLAMP SET, 3/4-1/2	
2	91083240	1	CLAMP SET, 5/8-1/2	
3	77133306	3	STACK BOLT	
4	77133140	4	COVER PLATE	
5	77133177	4	BOLT	
6	77133136	2	CLAMP SET, 3/4-3/4	
7	77133137	2	COVER PLATE	
8	88201023	2	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
9	77133390	4	SAFETY CLIP	
10	77133139	1	CLAMP SET, 5/8-5/8	
11	77133168	1	CLAMP SET, 1/2-1/2	

FIGURE 8-24. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974)

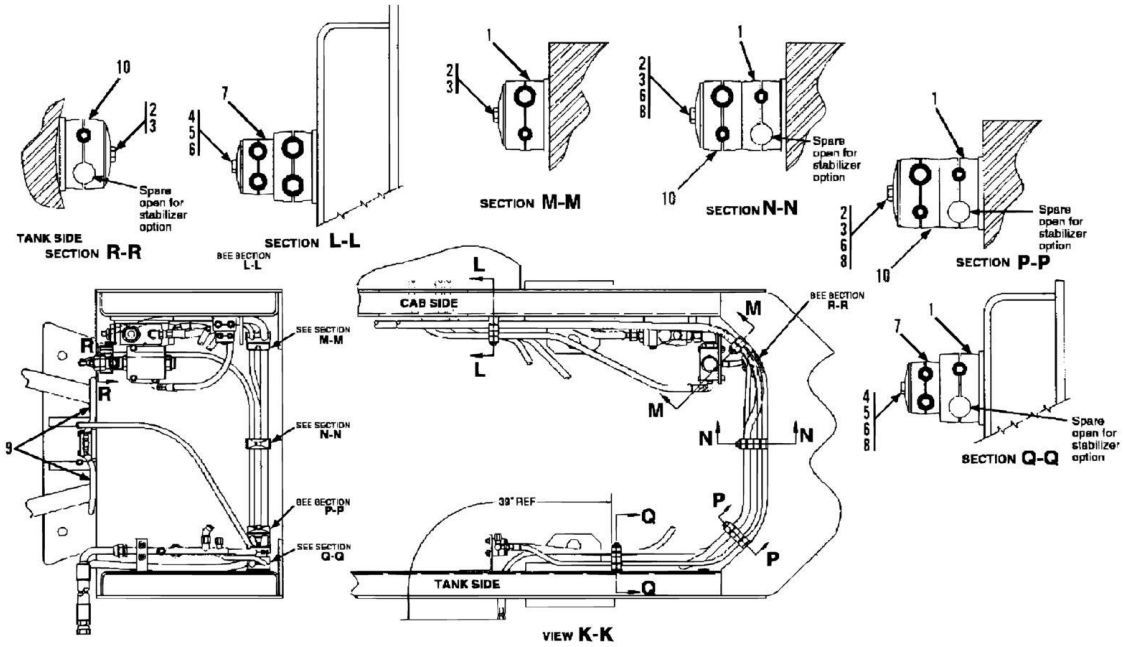


FIGURE 8-24. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0544218 through 0160000853, Excluding 0160000700; 534D-10 SN 0366055 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80933123	4	CLAMP SET, 3/4-1/2	
2	77133137	4	COVER PLATE	
3	88201023	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
4	77133140	2	COVER PLATE	
5	77133177	2	BOLT	
6	77133390	4	SAFETY CLIP	
7	77133139	2	CLAMP SET, 5/8-5/8	
8	77133306	3	STACK BOLT	
9	84719447	2	HOSE ASSY	
10	80933140	3	TWIN CLAMP	

FIGURE 8-25. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

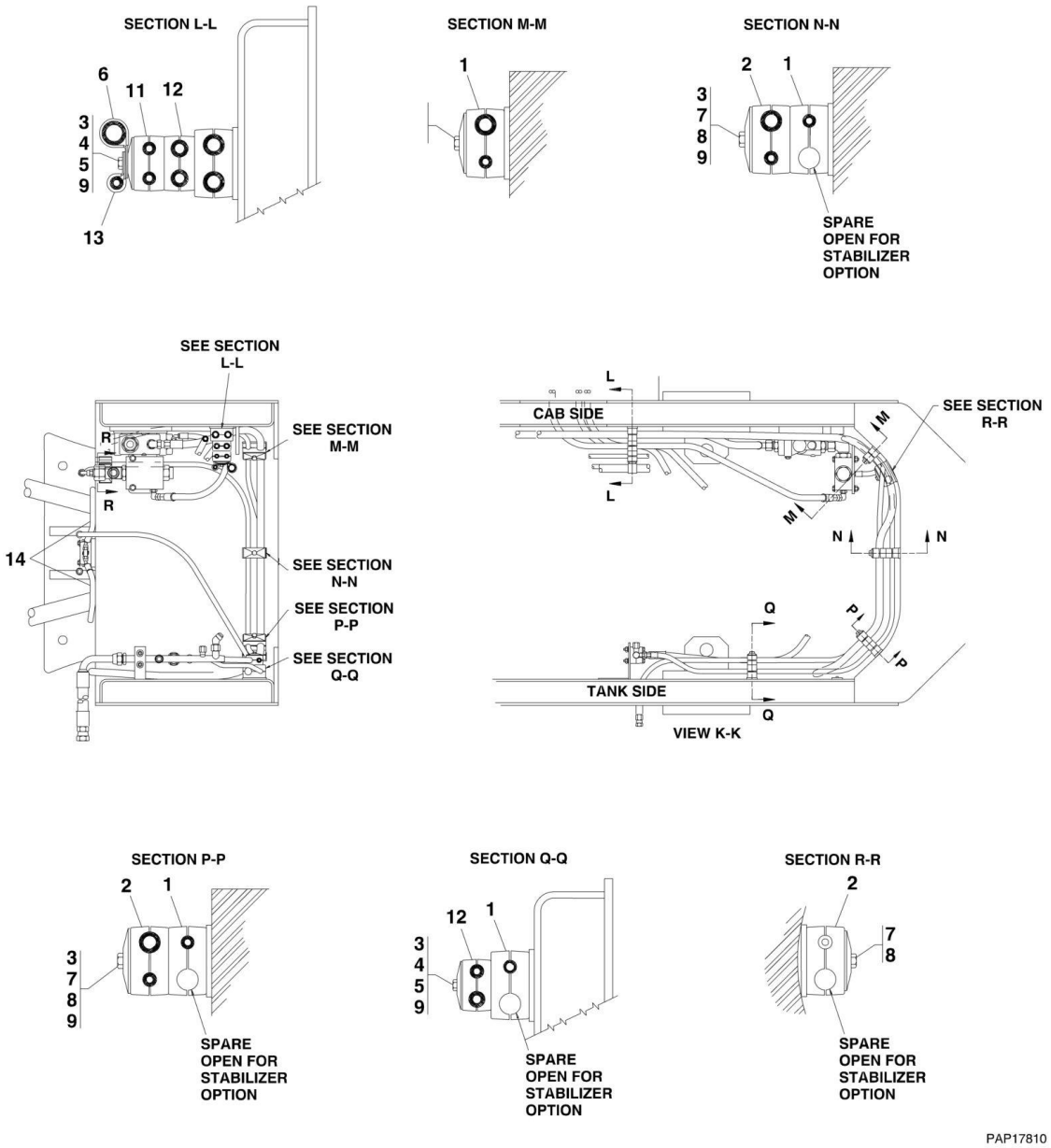


FIGURE 8-25. HOSE CLAMP LOCATION, (REAR) (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80933123	4	CLAMP SET, 13/16-1/2	
2	80933140	3	CLAMP SET, 13/16-5/8	
3	77133306	4	STACK BOLT	
4	77133140	2	COVER PLATE	
5	77133177	2	HEX HD CAPSCREW, 5/16-18X1-3/8	
6	80673023	1	SUPPORT CLAMP	
7	77133137	4	COVER PLATE	
8	0641514	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
9	77133390	5	SAFETY CLIP	
11	77133168	1	CLAMP SET, 1/2-1/2	
12	77133139	2	CLAMP SET, 5/8-5/8	
13	85941016	1	SUPPORT CLAMP	
14	84719447	1	HYDRAULIC HOSE	

FIGURE 8-26. AUXILIARY HYDRAULICS (SN 0160027771 through 0160037688)

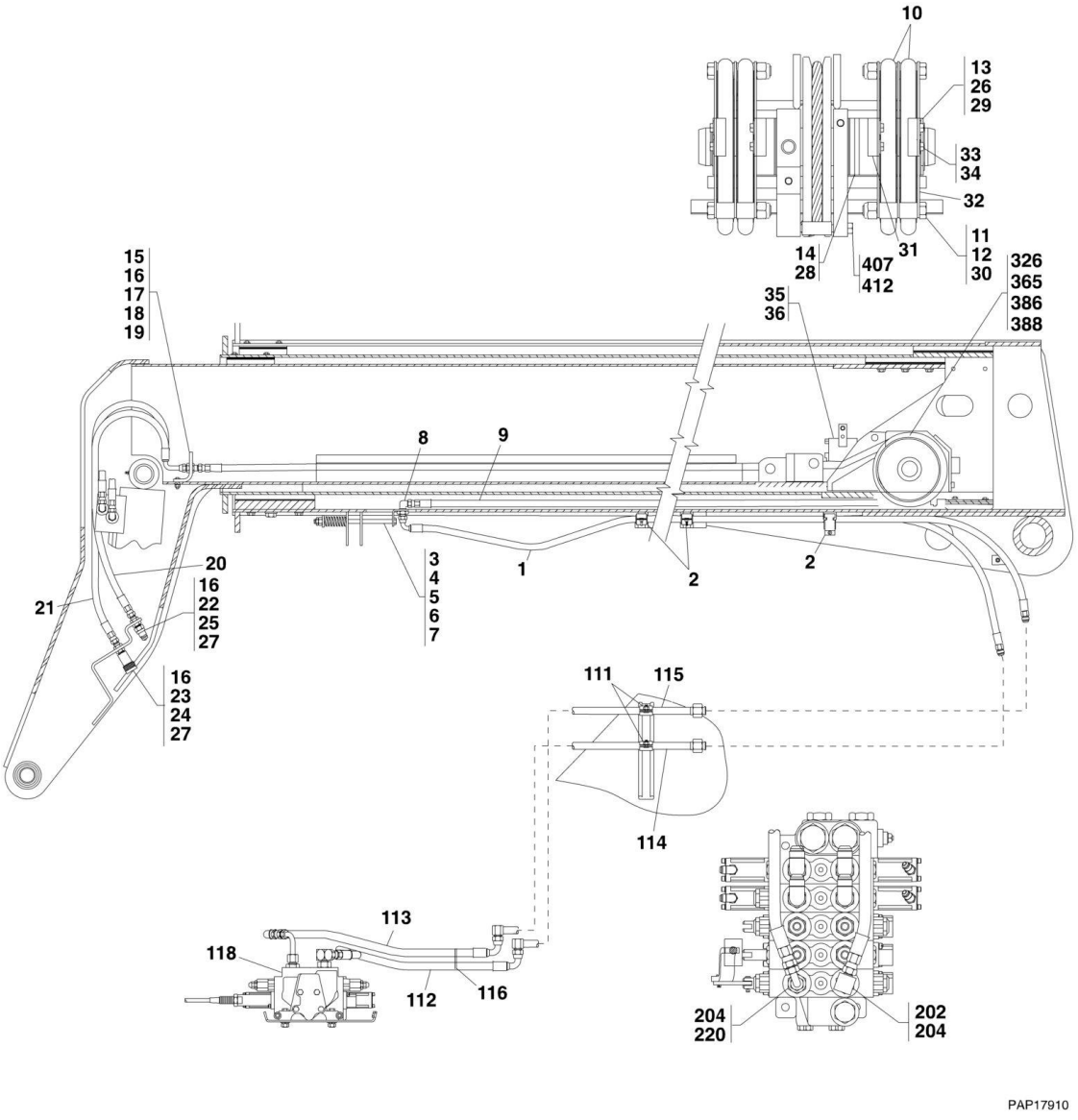


FIGURE 8-26. AUXILIARY HYDRAULICS (SN 0160027771 through 0160037688)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535025	1	BOOM AUXILIARY HYDRAULIC INSTALLATION, (includes items 1 thru 36)	C
1	84719075	2	HOSE ASSY	
2	90207463	6	CUSHION CLAMP	
3	91166068	2	HOSE TAKE-UP WELDMENT	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2	
7	88501108	2	JAM NUT, 1/2	
8	2230044	2	ELBOW, 90	
9	2754808	2	HOSE ASSY	
10	91533018	2	HOSE SHEAVE	
11	88201073	2	HEX HD CAPSCREW, 1/2-13X3	
12	88521308	2	NYLOCK NUT, 1/2	
13	88581149	1	RETAINING RING	
14	91041449	1	THRUST WASHER	
15	91531036	1	BRACKET	
16	2230025	4	ADAPTER	
17	88201020	2	HEX HD CAPSCREW, 5/16-18X1	
18	88551010	2	LOCKWASHER, 5/16	
19	88501005	2	HEX NUT, 5/16	
20	84718385	1	HOSE ASSY	
21	84718557	1	HOSE ASSY	
22	91403414	1	MALE QUICK DISCONNECT	
23	91403413	1	FEMALE QUICK DISCONNECT	
24	91043125	1	DUST PLUG	
25	91043126	1	DUST CAP	
26	91041451	3	THRUST WASHER	
27	2220651	2	ADAPTER, (includes o-ring)	
28	91531035	2	SPACER	
29	14404793	AR	UNION 78 MEGAPLEX GREASE	
30	91533017	4	PLATE	
31	91343215	1	SPACER	
32	91531029	3	PLATE	
33	0641404	4	HEX HD CAPSCREW, 1/4-20X1/2	
34	4751400	4	WAHSER, 1/4	
35	91533021	1	PAD	
36	88201047	2	HEX HZD CAPSCREW, 3/8-16X4	
112	84718685	1	HOSE ASSY	
113	84718686	1	HOSE ASSY	
114	91163096	1	TUBE ASSY	
115	91163097	1	TUBE ASSY	
116	90027187	2	NYLON TIE	
118		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
202	8765204	1	ELBOW, 90	
204	2220375	2	ADAPTER, (includes o-ring)	
220	2220471	1	ADAPTER	
326	91536017	1	HOSE GUIDE	
365	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
386	4711600	2	FLAT WASHER, 3/8	
388	4761600	2	LOCKWASHER, 3/8	
407	91531034	1	ROLLER	
412	0641628	1	HEX HD CAPSCREW, 3/8-16X3.5	

FIGURE 8-27. AUXILIARY HYDRAULICS (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

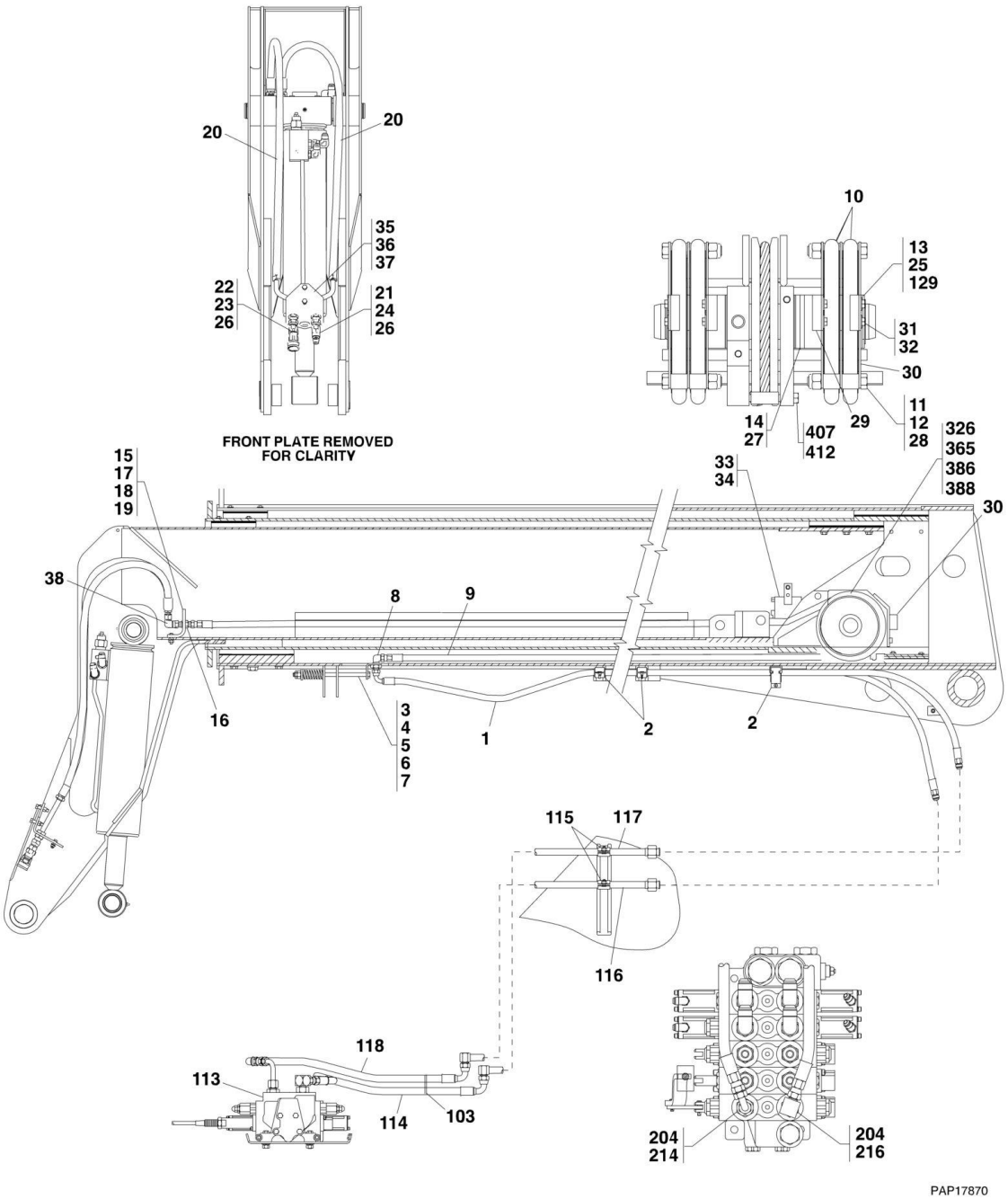


FIGURE 8-27. AUXILIARY HYDRAULICS (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100095	1	BOOM AUXILIARY HYDRAULIC INSTALLATION, (includes items 1 thru 38)	B
1	84719075	2	HOSE ASSY	
2	90207463	6	CUSHION CLAMP	
3	91166068	2	HOSE TAKE-UP WELDMENT	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2	
7	88501108	2	JAM NUT, 1/2	
8	2230044	2	ELBOW, 90	
9	2754808	2	HOSE ASSY	
10	91533018	2	HOSE SHEAVE	
11	0641824	2	HEX HD CAPSCREW, 1/2-13X3	
12	88521308	2	NYLOCK NUT, 1/2	
13	88581149	1	RETAINING RING	
14	91041449	1	THRUST WASHER	
15	91531036	1	BRACKET	
16	2230025	2	ADAPTER	
17	88201020	2	HEX HD CAPSCREW, 5/16-18X1	
18	88551010	2	LOCKWASHER, 5/16	
19	88501005	2	HEX NUT, 5/16	
20	1001099886	2	HOSE ASSY	
21	91403414	1	MALE QUICK DISCONNECT	
22	91403413	1	FEMALE QUICK DISCONNECT	
23	91043125	1	DUST PLUG	
24	91043126	1	DUST CAP	
25	91041451	3	THRUST WASHER	
26	2180849	2	ADAPTER, (includes o-ring)	
27	91531035	2	SPACER	
28	91533017	4	PLATE	
29	91343215	1	SPACER	
30	91531029	3	PLATE	
31	0641404	4	HEX HD CAPSCREW, 1/4-20X1/2	
32	4751400	4	WASHER, 1/4	
33	91533021	1	PAD	
34	0641632	2	HEX HD CAPSCREW, 3/8-16X4	
35	1001100973	1	BRACKET	
36	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2	
37	8305645	2	HEX LOCKNUT 3/8-16	
38	8765204	2	ELBOW, 90	
103	90027187	2	NYLON TIE	
113		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
114	84718685	1	HOSE ASSY	
115	90207463	2	CLAMP	
116	91163096	1	TUBE ASSY	
117	91163097	1	TUBE ASSY	
118	84718686	1	HOSE ASSY	
129	14404793	AR	UNION 78 MEGAPLEX GREASE	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
204	2220375	2	ADAPTER, (includes o-ring)	
214	2220471	1	ADAPTER	
216	8765204	1	ELBOW, 90	
326	91536017	1	HOSE GUIDE	
365	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8	
386	4711600	2	FLAT WASHER, 3/8	
388	4761600	2	LOCKWASHER, 3/8	
407	91531034	1	ROLLER	
412	0641628	1	HEX HD CAPSCREW, 3/8-16X3.5	

SECTION 9 - HYDRAULIC COMPONENTS

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. TILT CYLINDER (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)

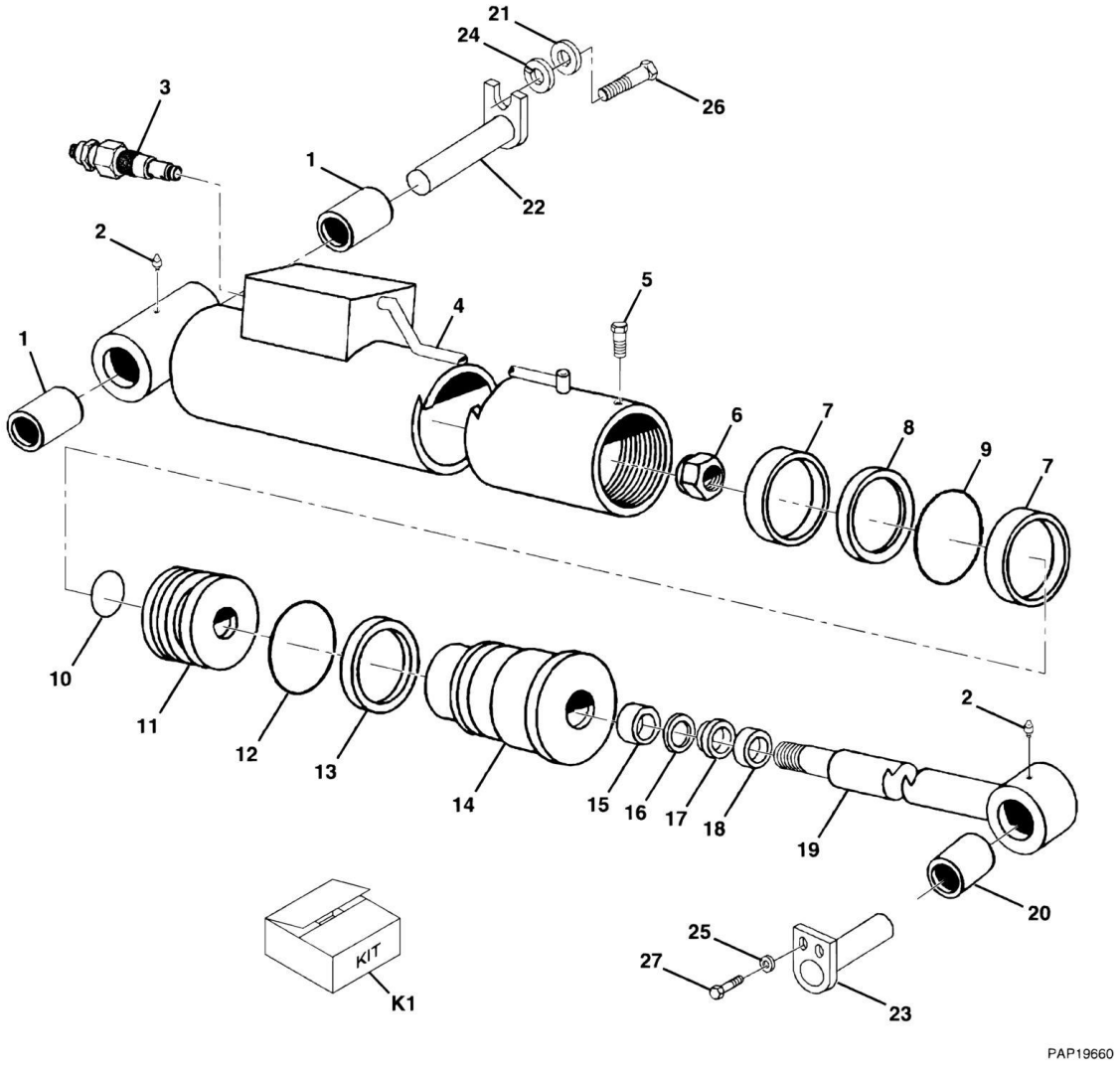


FIGURE 9-1. TILT CYLINDER (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143214	1	TILT CYLINDER ASSY, (includes items 1 thru 20)	F
1	91404352	2	BUSHING	
2	88671001	2	GREASE FITTING	
3	91123089	1	COUNTERBALANCE VALVE	
3	91034276	1	COUNTERBALANCE VALVE SEAL KIT	
4	91144023	1	CASE ASSY	
5	91144017	1	CAPSCREW, #8X32X.375	
6	91034153	1	LOCKNUT, (torque 1300-1350 ft lbs)	
7	Kit	2	WEAR RING	
8	Kit	1	PISTON SEAL	
9	Kit	1	O-RING	
10	Kit	1	O-RING	
11	91034139	1	PISTON	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	91144024	1	GLAND	
15	Kit	1	WEAR RING	
16	Kit	1	STEP SEAL	
17	Kit	1	U-CUP	
18	Kit	1	WIPER	
19	91144025	1	ROD ASSY	
20	91144479	1	BUSHING	
21	83621283	1	SPECIAL WASHER	
22	91146052	1	PIN WELDMENT	
23	91166062	1	PIN WELDMENT	
24	88551013	1	LOCKWASHER, 1/2	
25	88561111	2	FLAT WASHER, 1/2	
26	88201065	1	HEX HD CAPSCREW, 1/2-13X1, GR5	
27	83201123	2	HEX HD CAPSCREW, 1/2-13X1, (nylok)	
K1	91144004	1	SEAL KIT, (includes items 7, 8, 9, 10, 12, 13 & 15 thru 18)	

FIGURE 9-2. TILT CYLINDER (534D-9 SN 0160033414 through 0160038518; 534D-10 SN 0160033245 through 0160038444)

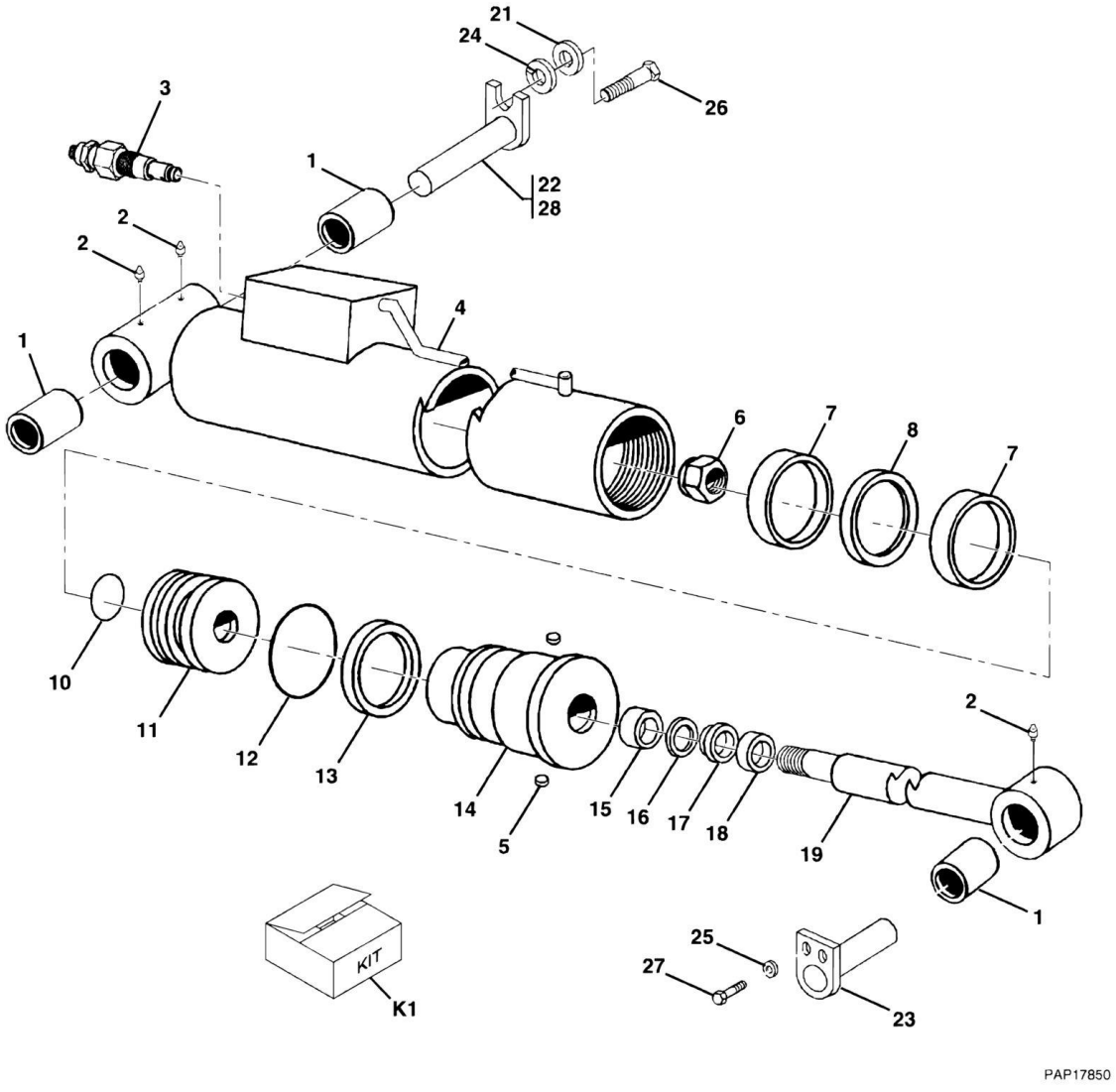


FIGURE 9-2. TILT CYLINDER (534D-9 SN 0160033414 through 0160038518; 534D-10 SN 0160033245 through 0160038444)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343231	1	TILT CYLINDER ASSY, (includes items 1 thru 19)	B
1	70022508	3	BUSHING	
2	70022120	3	GREASE FITTING	
3	91123089	1	COUNTERBALANCE VALVE	
3	91164037	1	COUNTERBALANCE VALVE, SEAL KIT	
4	70022117	1	CASE ASSY	
5	70022119	2	LOCKING INSERT	
6	8035322	1	LOCKNUT	
7	Kit	2	WEAR RING	
8	Kit	1	PISTON SEAL	
10	Kit	1	O-RING	
11	70022536	1	PISTON ASSY	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	70022537	1	ROD BEARING ASSY	
15	Kit	1	WEAR RING	
16	Kit	1	BUFFER SEAL	
17	Kit	1	ROD SEAL	
18	Kit	1	ROD WIPER	
19	70022118	1	ROD ASSY	
21	83621283	1	SPECIAL WASHER	
22	91146052	1	PIN WELDMENT	
23	91166062	1	PIN WELDMENT	
24	4761800	1	LOCKWASHER, 1/2	
25	4711800	2	FLAT WASHER, 1/2	
26	0641808	1	HEX HD CAPSCREW, 1/2-13X1, GR5	
27	83201123	2	HEX HD CAPSCREW, 1/2-13X1, (nylok)	
28	14403323	AR	NEVER SEEZE LUBE	
K1	70022538	1	SEAL KIT, (includes items 7, 8, 10, 12, 13 & 15 thru 18)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. TILT CYLINDER (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

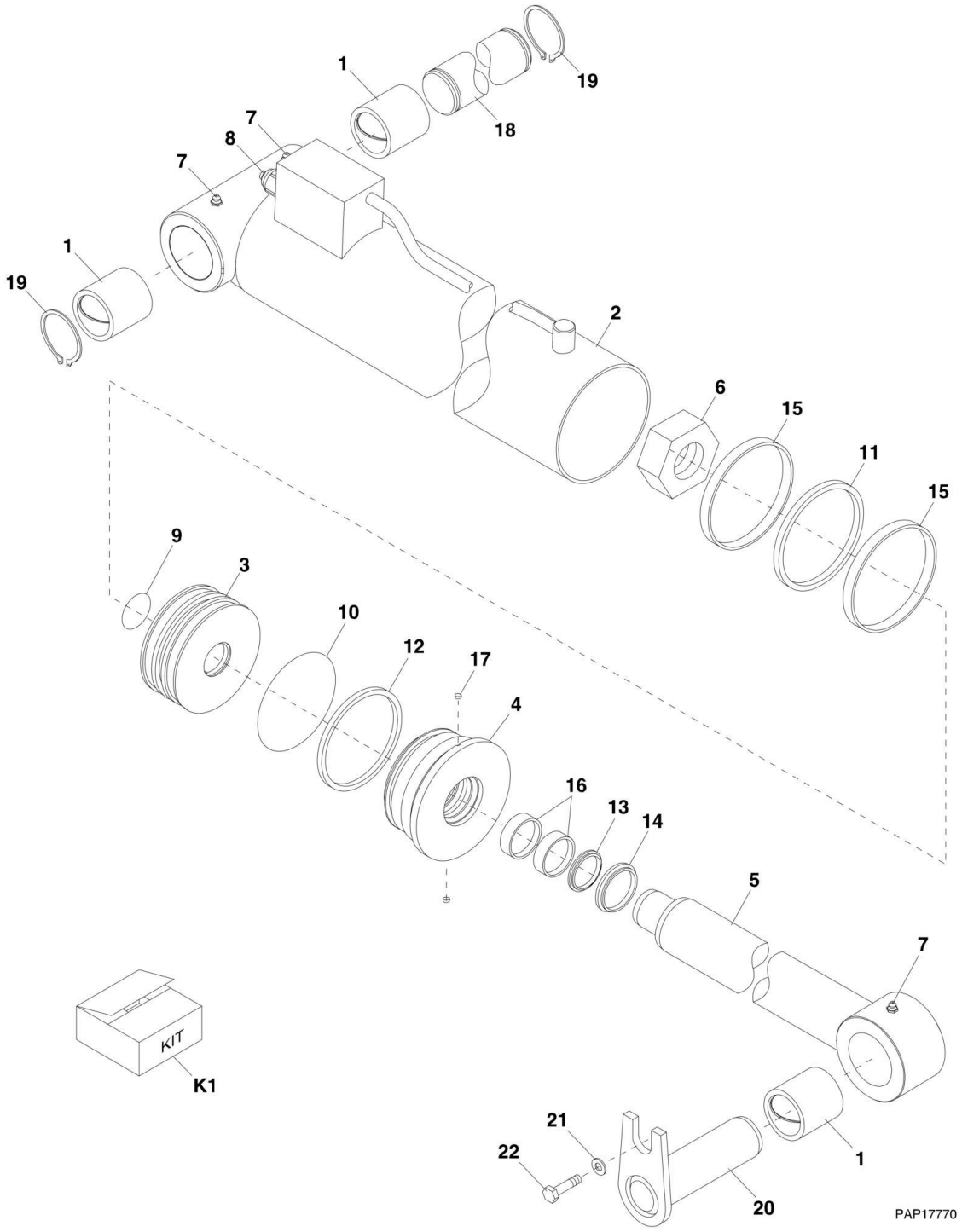


FIGURE 9-3. TILT CYLINDER (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098136	1	TILT CYLINDER ASSY, (includes items 1 thru 17)	F
1	91563244	4	BUSHING	
2	70022121	1	TUBE WELDMENT	
3	70022122	1	PISTON	
4	70022123	1	HEAD GLAND, (torque to 300-400 ft lbs)	
5	70022124	1	ROD WELDMENT	
6	8036394	1	LOCKNUT, (torque to 1800-2000 ft lbs)	
7	70020375	2	GREASE FITTING	
8	91123089	1	COUNTERBALANCE VALVE, (torque to 60-65 ft lbs)	
8	91164037	1	COUNTERBALANCE VALVE SEAL KIT	
9	Kit	1	O-RING	
10	Kit	1	O-RING	
11	Kit	1	DISO-PAC	
12	Kit	1	POLYPAK	
13	Kit	1	DZR SEAL	
14	Kit	1	ROD WIPER	
15	Kit	2	WEAR BAND	
16	Kit	2	WEAR BAND	
17	Kit	2	LOCKING INSERT	
18	1001099579	1	PIN	
19	88581149	2	RETAINING RING	
20		Ref	PIN WELDMENT, (See BOOM SECTION for Breakdown)	
21		Ref	FLAT WASHER, 1/2, (See BOOM SECTION for Breakdown)	
22		Ref	HEX HD CAPSCREW, 1/2-13X1, GR5, (See BOOM SECTION for Breakdown)	
K1	70022125	1	SEAL KIT, (includes items 9 thru 17)	

FIGURE 9-4. CROWD CYLINDER (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

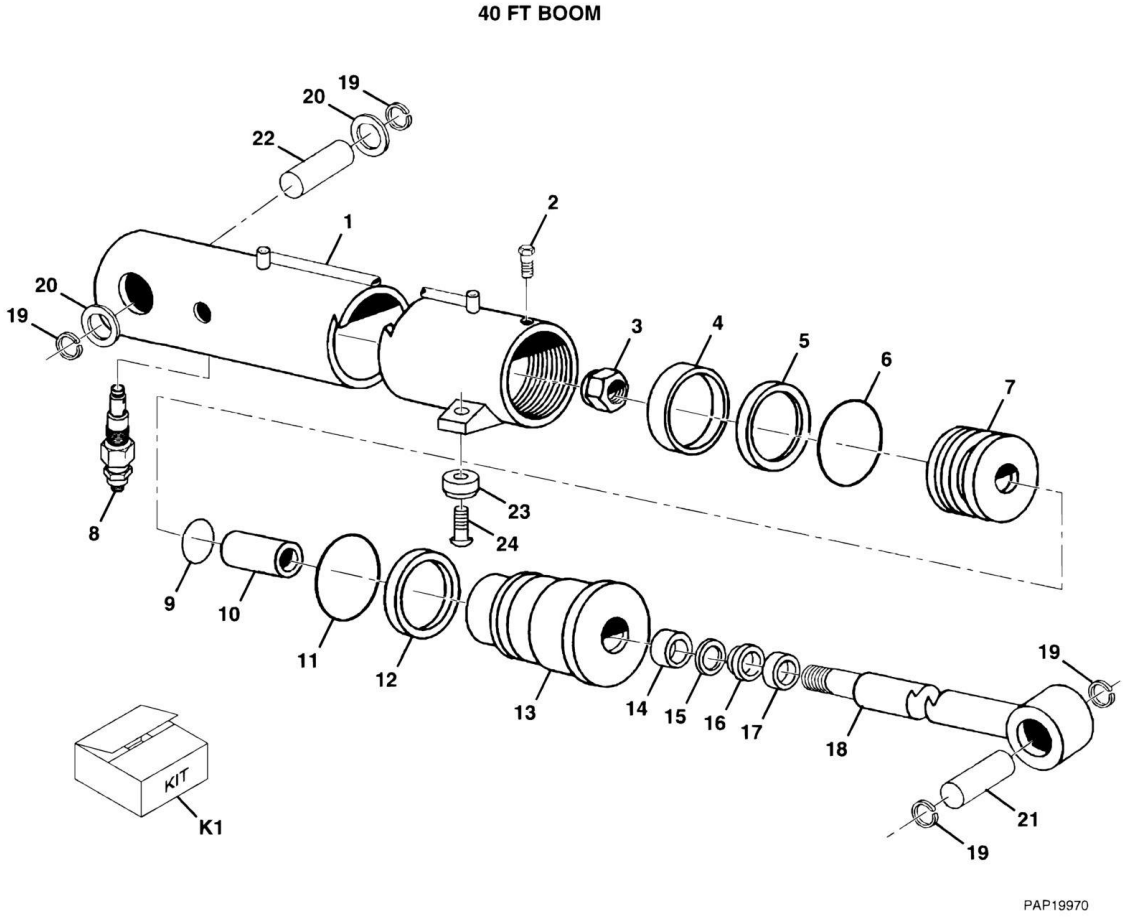


FIGURE 9-4. CROWD CYLINDER (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143001	1	CROWD CYLINDER ASSY, (includes items 1 thru 18)	
1	91144016	1	CASE ASSY	
2	91144017	1	CAPSCREW, #8X32X.375	
3	91064017	1	LOCKNUT, (torque 825-875 ft lbs)	
4	Kit	2	WEAR RING	
5	Kit	1	PISTON SEAL	
6	Kit	1	O-RING	
7	91144018	1	PISTON	
8	91123089	1	COUNTERBALANCE VALVE	
8	91034276	1	COUNTERBALANCE VALVE SEAL KIT	
9	Kit	1	O-RING	
10	91144019	1	SPACER	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91144020	1	CYLINDER HEAD	
14	Kit	2	WEAR RING	
15	Kit	1	STEP SEAL	
16	Kit	1	U-CUP	
17	Kit	1	WIPER	
18	91144021	1	ROD ASSY	
19	88581149	4	RETAINING RING	
20	91141158	2	SPACER	
21	91141123	1	CROWD CYLINDER PIN	
22	91141124	1	CROWD CYLINDER PIN	
23	91143083	2	BEARING PAD	
24	88261026	2	SOCKET BUTTON HD CAPSCREW, #3/8-16X5/8	
K1	91144003	1	SEAL KIT, (includes items 4, 5, 6, 9, 11, 12 & 14 thru 17)	

FIGURE 9-5. CROWD CYLINDER (534D-9 SN 0644118 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366089 through 0366533, SN 0160000125 through 0160017312)

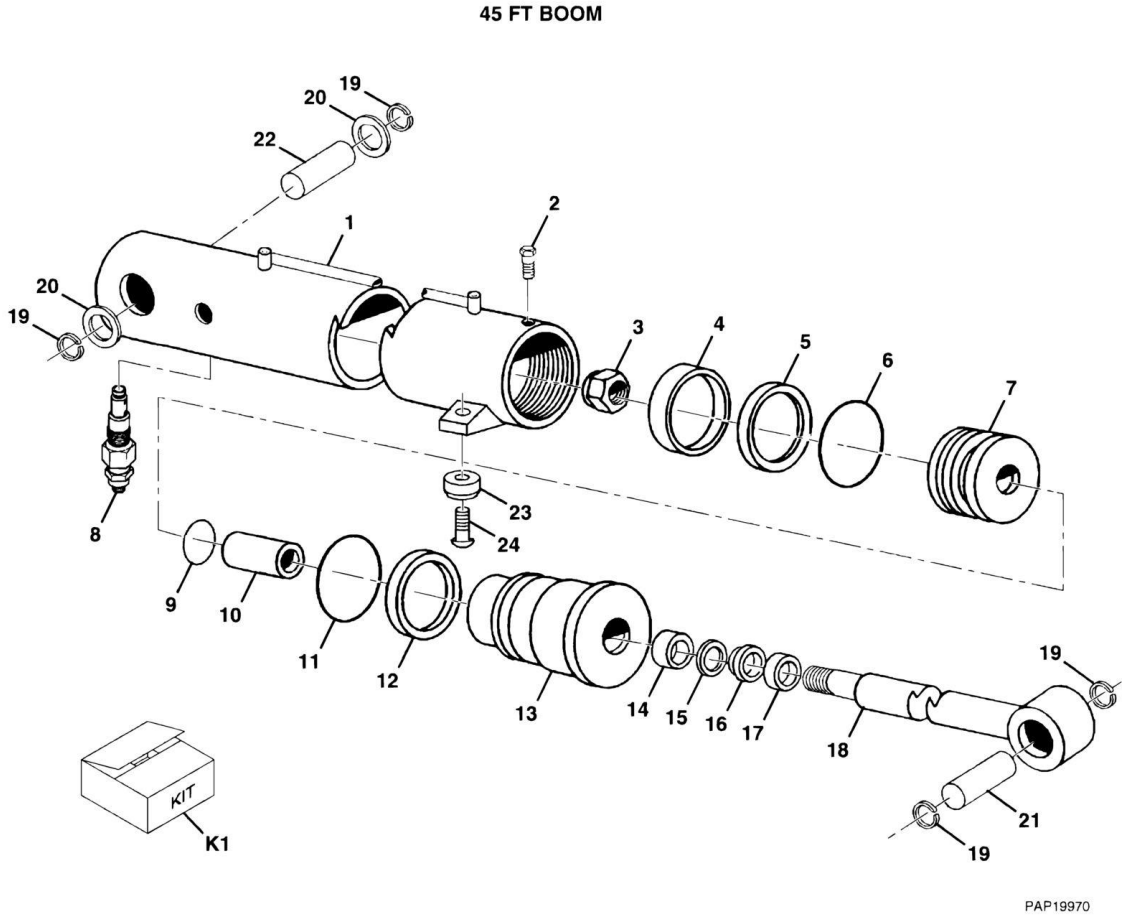


FIGURE 9-5. CROWD CYLINDER (534D-9 SN 0644118 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366089 through 0366533, SN 0160000125 through 0160017312)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143324	1	CROWD CYLINDER ASSY, (includes items 1 thru 18)	C
1	91144444	1	CASE ASSY	
2	91124096	1	CAPSCREW, #8X32X.375	
3	91064017	1	LOCKNUT, (torque 825-875 ft lbs)	
4	Kit	2	WEAR RING	
5	Kit	1	PISTON SEAL	
6	Kit	1	O-RING	
7	91144018	1	PISTON	
8	91123089	1	COUNTERBALANCE VALVE	
8	91034276	1	COUNTERBALANCE VALVE SEAL KIT, (torque to 65 ft lbs)	
9	Kit	1	O-RING	
10	91144019	1	SPACER	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91144020	1	CYLINDER HEAD	
14	Kit	2	WEAR RING	
15	Kit	1	STEP SEAL	
16	Kit	1	U-CUP	
17	Kit	1	WIPER	
18	91144445	1	ROD ASSY	
19	88581149	4	RETAINING RING	
20	91141158	2	SPACER	
21	91141123	1	CROWD CYLINDER PIN	
22	91141124	1	CROWD CYLINDER PIN	
23	91143083	2	BEARING PAD	
24	88261026	2	SOCKET BUTTON HD CAPSCREW, #3/8-16X5/8	
K1	91144003	1	SEAL KIT, (includes items 4, 5, 6, 9, 11, 12 & 14 thru 17)	

FIGURE 9-6. CROWD CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)

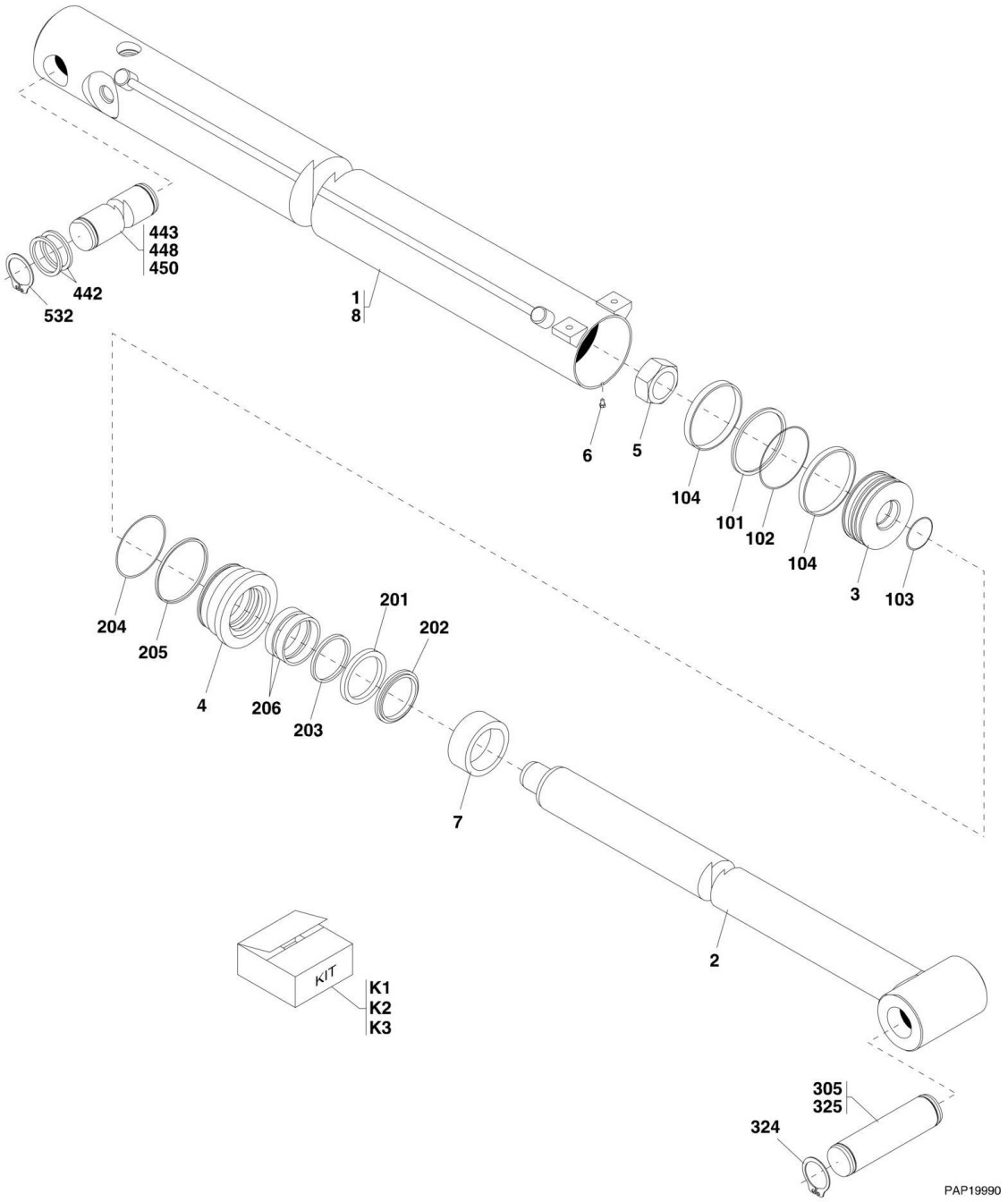


FIGURE 9-6. CROWD CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343232	1	CROWD CYLINDER, (includes items 1 thru 206)	A
1	7029951	1	BARREL ASSY	
2	7029950	1	ROD ASSY	
3	7029952	1	PISTON ASSY, (includes items 101 thru 104)	
4	7029953	1	ROD BEARING ASSY, (includes items 201 thru 206)	
5	91014066	1	NUT	
6	7029760	1	CAPSCREW	
7	7029954	1	STROKE LIMITER	
8	91123089	1	VALVE	
101	Kit	1	PISTON SEAL	
102	Kit	1	O-RING	
103	Kit	1	O-RING	
104	Kit	2	WEAR RING	
201	Kit	1	ROD SEAL	
202	Kit	1	WIPER	
203	Kit	1	BUFFER	
204	Kit	1	O-RING	
205	Kit	1	BACK-UP RING	
206	Kit	1	WEAR RING	
305	14403323	AR	NEVER SEEZE LUBE	
324	88581149	2	SNAP RING	
325	91141123	1	CYLINDER PIN	
442	91551037	4	SPACER	
443	7096552	1	CYLINDER PIN	
448	14404793	AR	MEGAPLEX GREASE	
450	14403323	AR	NEVER SEEZE LUBE	
532	90028935	2	SNAP RING	
K1	7029936	1	PISTON SEAL KIT, (includes items 101 thru 104)	
K2	7029937	1	ROD BEARING SEAL KIT, (includes items 201 thru 206)	
K3	91144003	1	CYLINDER SEAL KIT, (includes items 101 thru 206)	

FIGURE 9-7. LIFT CYLINDER (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 0160017312)

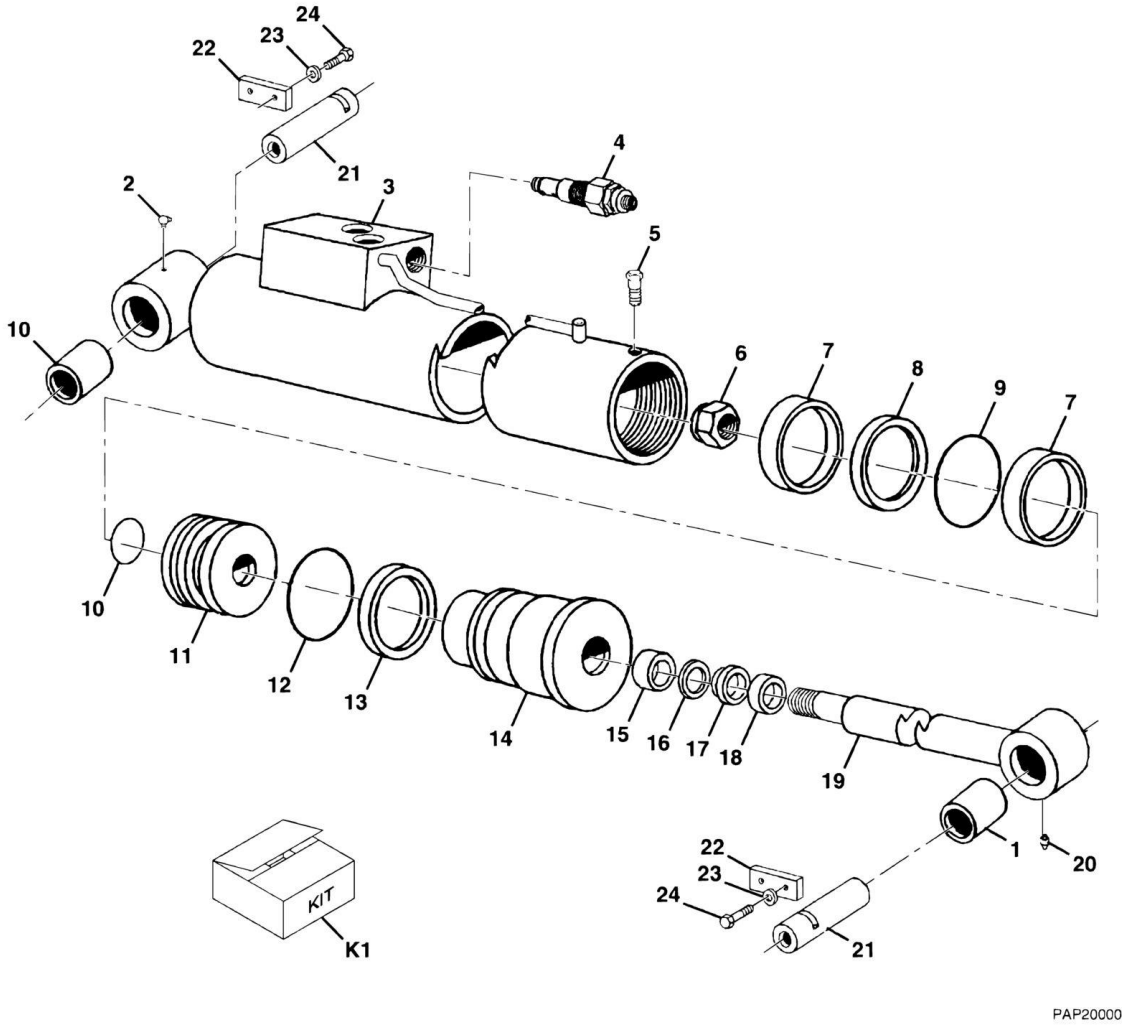


FIGURE 9-7. LIFT CYLINDER (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 0160017312)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143186	2	LIFT CYLINDER ASSY, (includes items 1thru 20)	G
1	91144029	2	BUSHING	
2	91144125	1	GREASE FITTING	
3	91144030	1	CASE ASSY	
4	91123089	1	COUNTERBALANCE VALVE	
4	91034276	1	COUNTERBALANCE VALVE SEAL KIT	
5	91144017	1	CAPSCREW, #8X32X.375	
6	91034153	1	LOCKNUT, (torque 1300-1350 ft lbs)	
7	Kit	2	WEAR RING	
8	Kit	1	PISTON SEAL	
9	Kit	1	O-RING	
10	Kit	1	O-RING	
11	91034139	1	PISTON	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	91144126	1	CYLINDER HEAD	
15	Kit	1	WEAR RING	
16	Kit	1	STEP SEAL	
17	Kit	1	U-CUP	
18	Kit	1	WIPER	
19	91144127	1	ROD ASSY	
20	91144128	1	GREASE FITTING	
21	3423263	2	PIN	
22	91081313	2	PIN KEEPER	
23	88551013	4	LOCKWASHER, 1/2	
24	88201065	4	HEX HD CAPSCREW, 1/2-13X1, GR5	
K1	91144249	1	SEAL KIT, (includes items 7, 8, 9, 10, 12, 13 & 15 thru 18)	

FIGURE 9-8. LIFT CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)

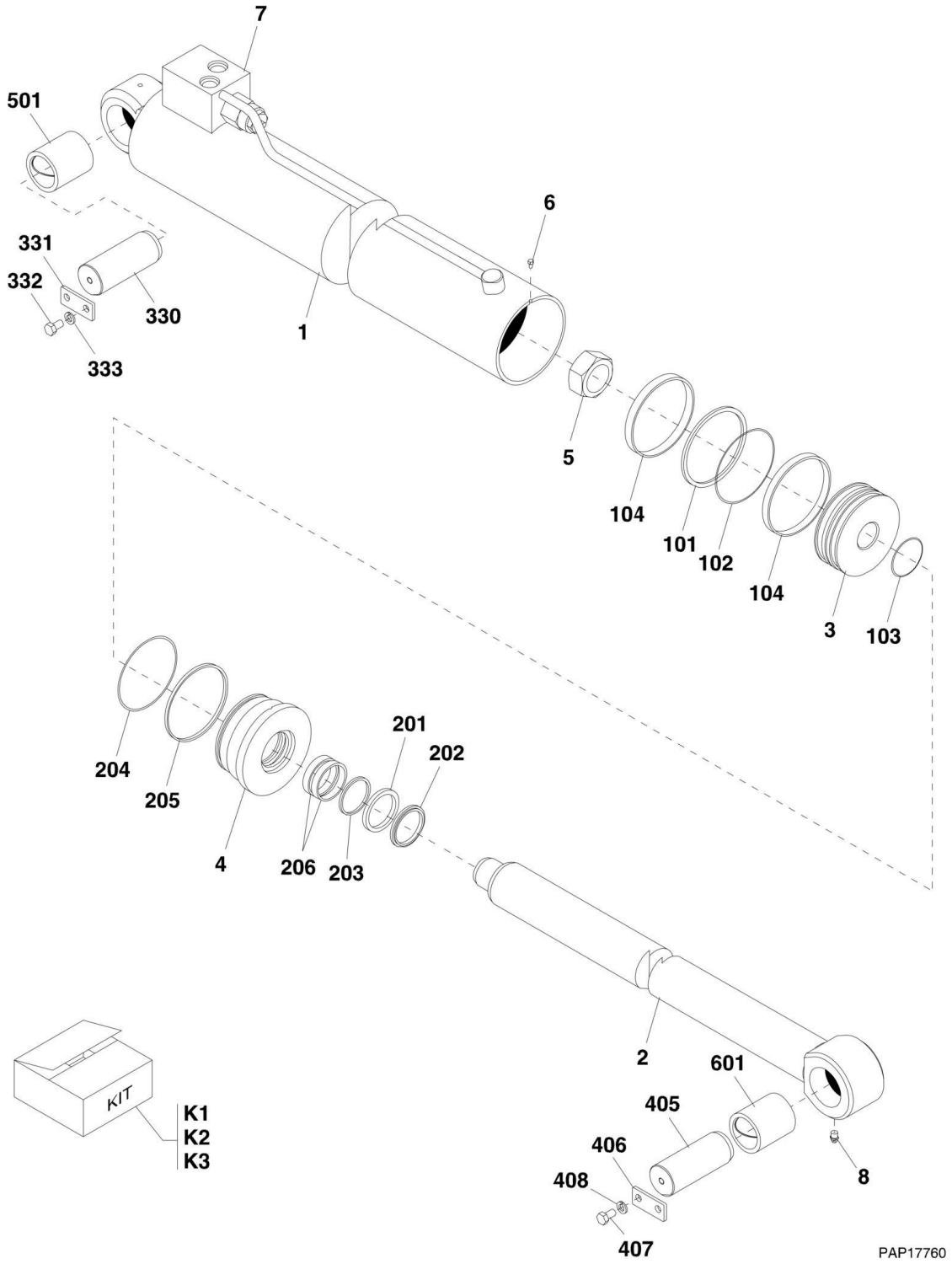


FIGURE 9-8. LIFT CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343230	1	LIFT CYLINDER, (includes items 1 thru 206)	C
1	70021618	1	BARREL ASSY, (includes item 501)	
2	7029960	1	ROD ASSY, (includes item 601)	
3	7029815	1	PISTON ASSY, (includes items 101 thru 104)	
4	7029961	1	ROD BEARING ASSY, (includes items 201 thru 206)	
5	91014066	1	NUT	
6	7029760	1	CAPSCREW	
7	91123089	1	VALVE	
8	91044080	1	GREASE FITTING	
101	Kit	1	PISTON SEAL	
102	Kit	1	O-RING	
103	Kit	1	O-RING	
104	Kit	2	WEAR-RING	
201	Kit	1	ROD SEAL	
202	Kit	1	WIPER	
203	Kit	1	BUFFER	
204	Kit	1	O-RING	
205	Kit	1	BACK-UP RING	
206	Kit	2	WEAR RING	
330	1001104911	2	CYLINDER PIN	
331	91081313	2	KEEPER	
332	0641808	4	HEX HD CAPSCREW, 1/2-13X1	
333	4761800	4	LOCKWASHER, 1/2	
405	3423263	2	CYLINDER PIN	
406	91081313	2	KEEPER	
407	0641808	4	HEX HD CAPSCREW, 1/2-13X1	
408	4761800	4	LOCKWASHER, 1/2	
501	7029975	1	BUSHING	
601	7029975	1	BUSHING	
K1	7029959	1	PISTON SEAL KIT, (includes items 101 thru 104)	
K2	7029974	1	ROD BEARING SEAL KIT, (includes items 201 thru 206)	
K3	70024336	1	SEAL KIT, (includes items 101 thru 206)	

FIGURE 9-9. COMPENSATING CYLINDER (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)

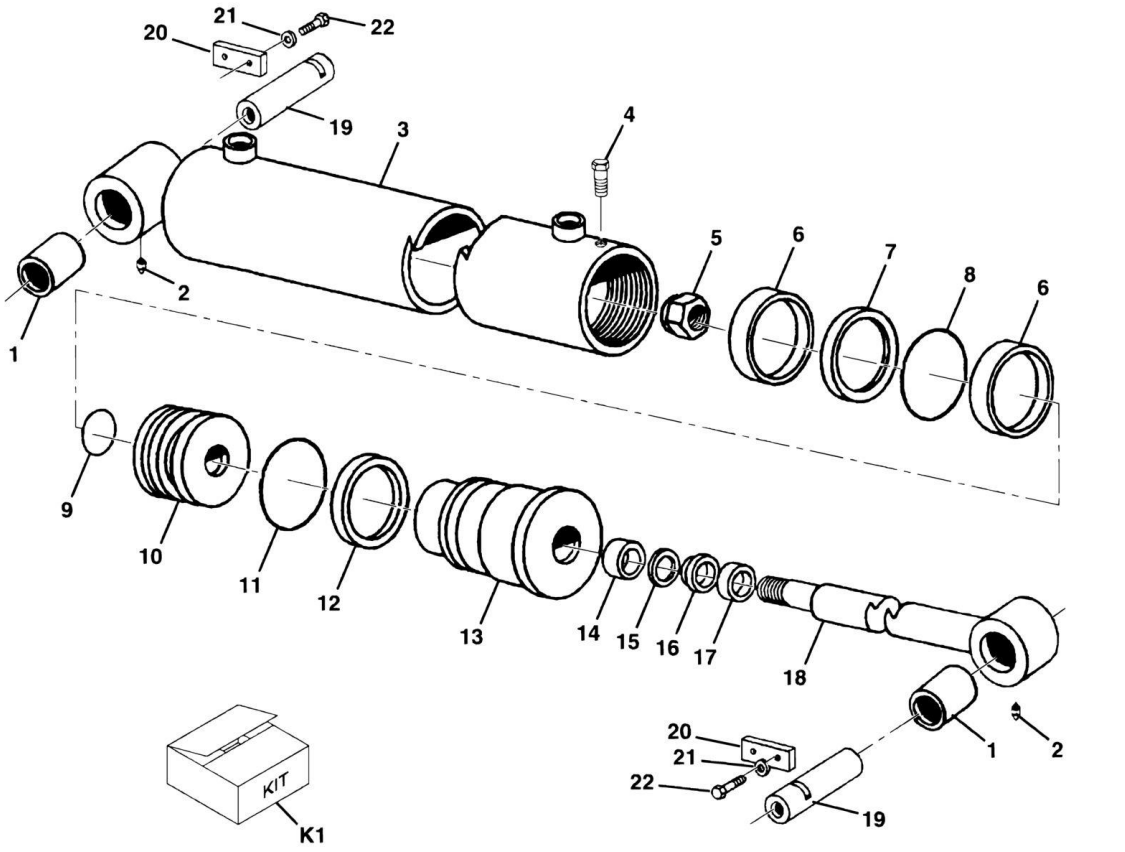


FIGURE 9-9. COMPENSATING CYLINDER (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143003	1	COMPENSATING CYLINDER ASSY, (includes items 1 thru 18)	H
1	91144026	2	BUSHING	
2	88671001	2	GREASE FITTING	
3	91144027	1	CASE ASSY	
4	91144017	1	CAPSCREW, #8X32X.375	
5	91034153	1	LOCKNUT, (torque 1300-1350 ft lbs)	
6	Kit	2	WEAR RING	
7	Kit	1	PISTON SEAL	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	91034139	1	PISTON	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91144024	1	CYLINDER HEAD	
14	Kit	1	WEAR RING	
15	Kit	1	STEP SEAL	
16	Kit	1	U-CAP	
17	Kit	1	WIPER	
18	91144028	1	ROD ASSY	
19	3423263	2	PIN	
20	91081313	2	PIN KEEPER	
21	88551013	4	LOCKWASHER, 1/2	
22	88201065	4	HEX HD CAPSCREW, 1/2-13X1	
K1	91144004	1	SEAL KIT, (includes items 6, 7, 8, 9, 11, 12 & 14 thru 17)	

FIGURE 9-10. COMPENSATING CYLINDER (534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present)

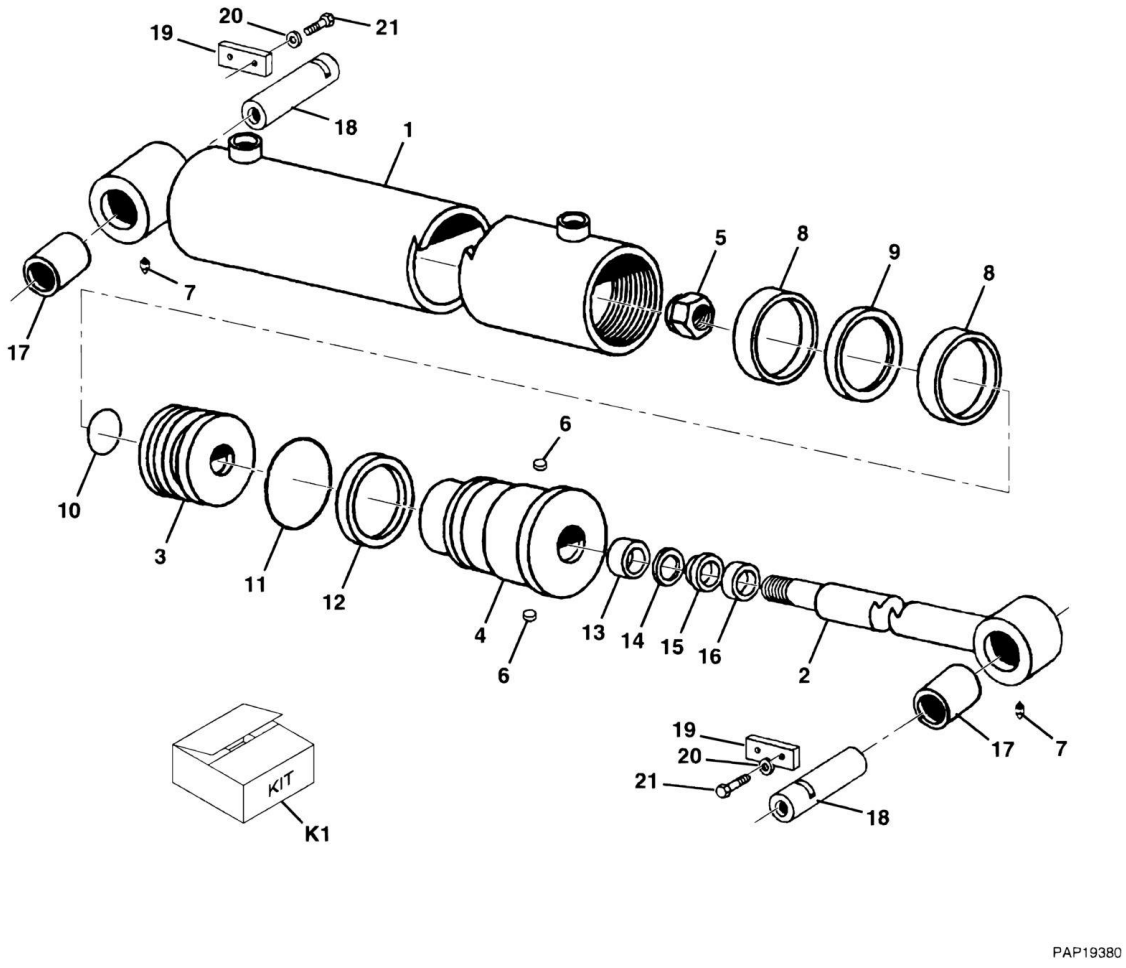


FIGURE 9-10. COMPENSATING CYLINDER (534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343228	1	COMPENSATING CYLINDER, (includes items 1 thru 17)	A
1	70021620	1	BARREL ASSY	
2	70021621	1	ROD ASSY	
3	70022536	1	PISTON ASSY	
4	70022537	1	ROD BEARING ASSY	
5	8035322	1	NUT	
6	70022119	2	LOCKING INSERT	
7	70022120	2	GREASE FITTING	
8	Kit	2	WEAR RING	
9	Kit	1	PISTON SEAL	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	Kit	1	WEAR RING	
14	Kit	1	BUFFER SEAL	
15	Kit	1	ROD SEAL	
16	Kit	1	ROD WIPER	
17	70021622	2	BUSHING	
18	3423263	2	PIN	
19	91081313	2	PIN KEEPER	
20	4761800	4	LOCKWASHER, 1/2	
21	0641808	4	HEX HD CAPSCREW, 1/2-13X1	
K1	70022538	1	SEAL KIT, (includes items 8 thru 16)	

FIGURE 9-11. SWAY CYLINDER ASSEMBLY (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)

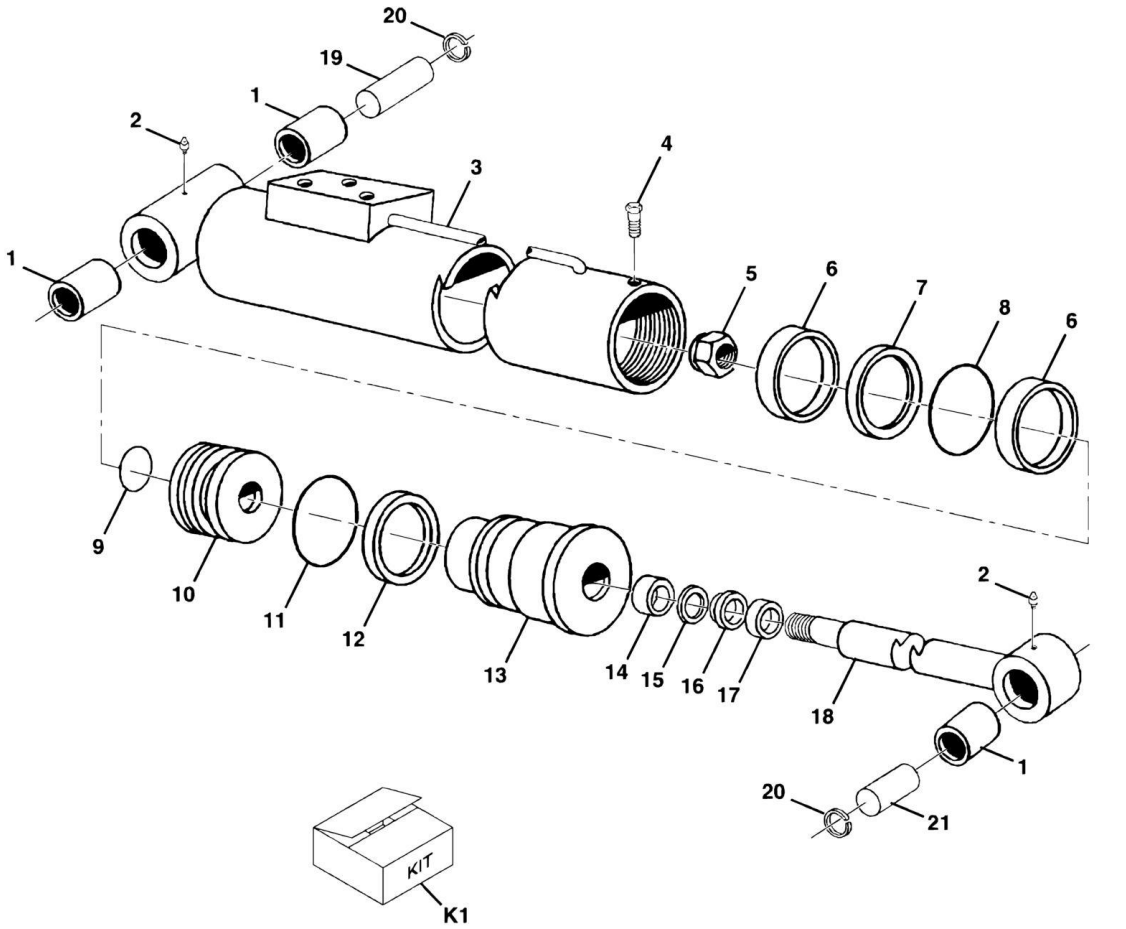


FIGURE 9-11. SWAY CYLINDER ASSEMBLY (534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143007	1	SWAY CYLINDER, (includes items 1 thru 18)	G
1	91064016	3	BUSHING	
2	88671001	2	GREASE FITTING	
3	91144032	1	CASE ASSY	
4	91144017	1	CAPSCREW, #8X32X.375	
5	91064017	1	LOCKNUT, (torque 650-700 ft lbs)	
6	Kit	2	WEAR RING	
7	Kit	1	PISTON SEAL	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	91144033	1	PISTON	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91144034	1	CYLINDER HEAD	
14	Kit	1	WEAR RING	
15	Kit	1	STEP SEAL	
16	Kit	1	U-CUP	
17	Kit	1	WIPER	
18	91144035	1	ROD ASSY	
19	91403226	1	PIN	
20	90028935	4	RETAINING RING	
21	91403225	1	PIN	
K1	91144005	1	SEAL KIT, (includes items 6, 7, 8, 9, 11, 12 & 14 thru 17)	

FIGURE 9-12. SWAY CYLINDER ASSEMBLY (534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present)

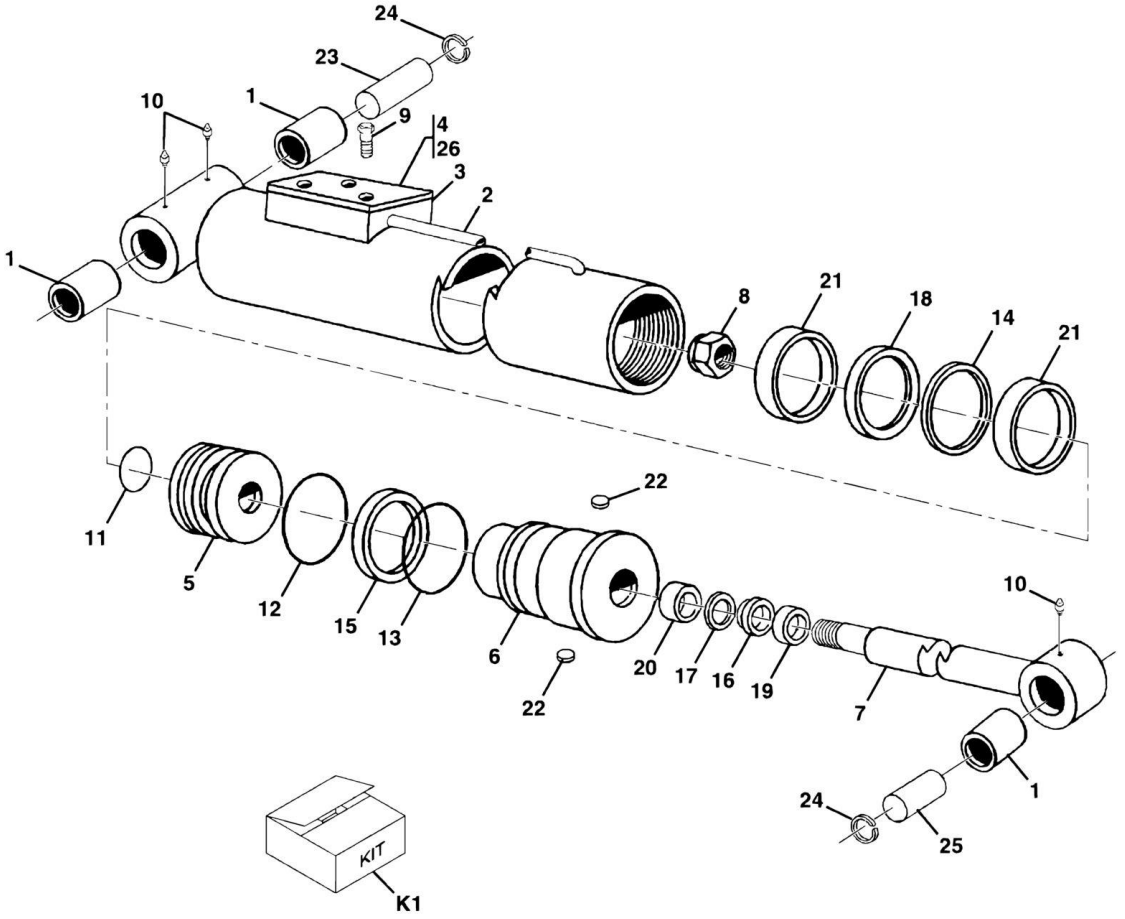


FIGURE 9-12. SWAY CYLINDER ASSEMBLY (534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343229	1	SWAY CYLINDER, (includes items 1 thru 22 & 26)	A
1	70022508	1	BUSHING	
2	70022509	1	TUBE WELDMENT	
3	70022811	1	SPACER PLATE, (requires item 26)	
4	70022511	1	COVER	
5	70022512	1	PISTON	
6	70022513	1	HEAD GLAND	
7	70022514	1	ROD WELDMENT	
8		Ref	LOCKNUT, 1-1/4, (torque 690-760 ft lbs)	
9		Ref	HEX HD CAPSCREW, 3/8-16X5/8, GR5	
10	70020375	3	GREASE FITTING	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	O-RING	
14	Kit	1	SQUARE RING	
15	Kit	1	BACK-UP RING	
16	Kit	1	U-CUP	
17	Kit	1	SEAL	
18	Kit	1	PISTON SEAL	
19	Kit	1	WIPER	
20	Kit	1	WEARBAND	
21	Kit	2	WEARBAND	
22	Kit	2	LOCKING INSERT	
23	91403226	1	PIN	
24	90028935	4	RETAINING RING	
25	91403225	1	PIN	
26	70022812	2	O-RING	
K1	70022515	1	SEAL KIT, (includes items 11 thru 22)	

FIGURE 9-13. STEERING CYLINDER (534D-9 SN 0544001 through 0160001975, Excluding 0160001779; 534D-10 SN 0366001 through 0160002009, Excluding 0160001794 and 0160001800)

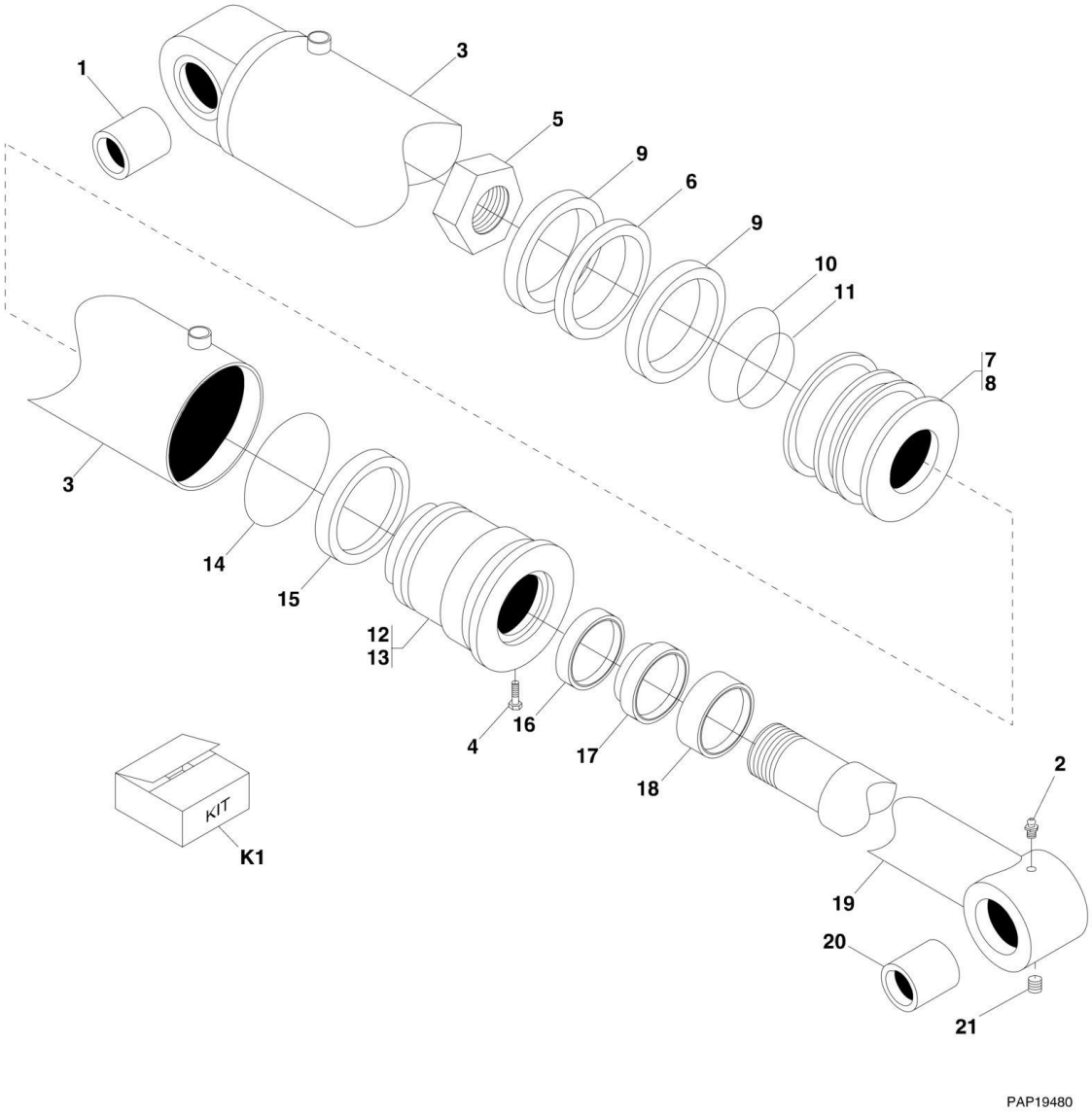


FIGURE 9-13. STEERING CYLINDER (534D-9 SN 0544001 through 0160001975, Excluding 0160001779; 534D-10 SN 0366001 through 0160002009, Excluding 0160001794 and 0160001800)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163178	2	STEERING CYLINDER, (includes all items)	E
1	91164018	1	BUSHING	
2	91144128	1	GREASE FITTING	
3	91144037	1	CASE ASSY	
4	91124096	1	SELF-TAPPING SCREW	
5	91144038	1	LOCKNUT, (torque to 400-425 lb-ft)	
6	Kit	1	PISTON SEAL	
7	91554034	1	PISTON ASSY, (includes items 8 thru 11)	
8	91144039	1	PISTON	
9	Kit	2	WEAR RING	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	91554035	1	CYLINDER HEAD ASSY, (includes items 13 thru 18)	
13	91144040	1	CYLINDER HEAD, (torque to 100-400 lb-ft)	
14	Kit	1	O-RING	
15	Kit	1	BACK-UP RING	
16	Kit	1	STEP SEAL	
17	Kit	1	U-CUP	
18	Kit	1	WIPER	
19	91164027	1	ROD ASSY	
20	8050001	1	BUSHING	
21	91404202	1	HEX PLUG, 1/8-27 NPT, (torque to 10-20 lb-ft)	
K1	91144006	1	SEAL KIT, (includes items 6, 9, 10, 11 & 14 thru 18)	

FIGURE 9-14. STEERING CYLINDER (534D-9 SN 0160002037 through 0160032945, Including 0160001779; 534D-10 SN 0160002048 through 0160032847, Including 0160001794; Including 0160001800)

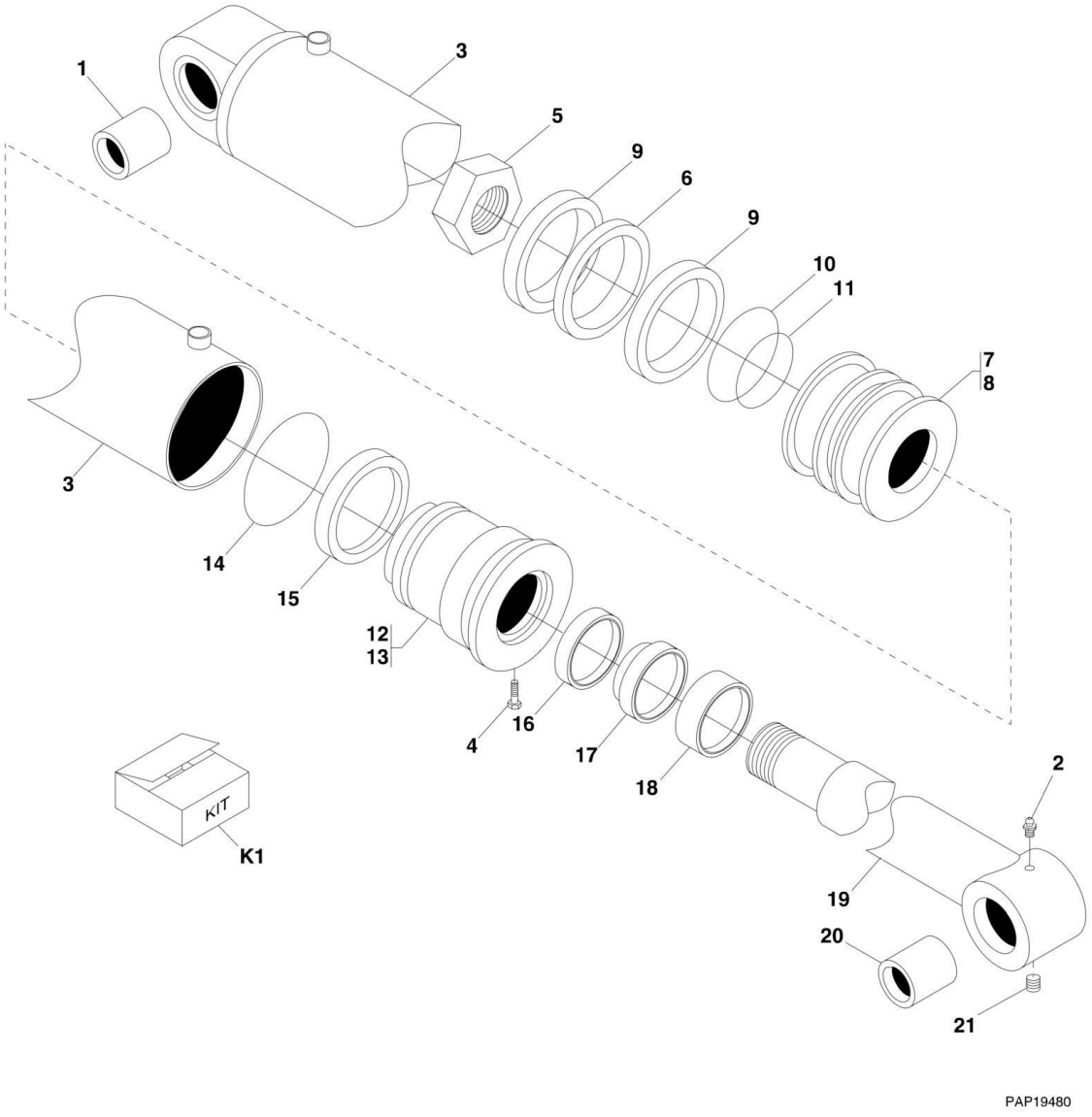


FIGURE 9-14. STEERING CYLINDER (534D-9 SN 0160002037 through 0160032945, Including 0160001779; 534D-10 SN 0160002048 through 0160032847, Including 0160001794; Including 0160001800)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91553056	2	STEERING CYLINDER, (includes all items)	B
1	91124087	1	BUSHING	
2	91144128	1	GREASE FITTING	
3	91554036	1	CASE ASSY	
4	91124096	1	SELF-TAPPING SCREW	
5	91144038	1	LOCKNUT, (torque 400-425 lb-ft)	
6	Kit	1	PISTON SEAL	
7	91554034	1	PISTON ASSY, (includes items 8 thru 11)	
8	91144039	1	PISTON	
9	Kit	2	WEAR RING	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	91554035	1	CYLINDER HEAD ASSY, (includes items 13 thru 18)	
13	91144040	1	CYLINDER HEAD	
14	Kit	1	O-RING	
15	Kit	1	BACK-UP RING	
16	Kit	1	STEP SEAL	
17	Kit	1	U-CUP	
18	Kit	1	WIPER	
19	91164027	1	ROD ASSY	
20	8050001	1	BUSHING	
21	91404202	1	HEX PLUG, 1/8-27 NPT, (torque to 10-20 lb-ft)	
K1	91144006	1	SEAL KIT, (includes items 6, 9, 10, 11, 14, 15, 16, 17 & 18)	

FIGURE 9-15. STEERING CYLINDER (534D-9 SN 0160033136 to Present; 534D-10 SN 0160033245 to Present)

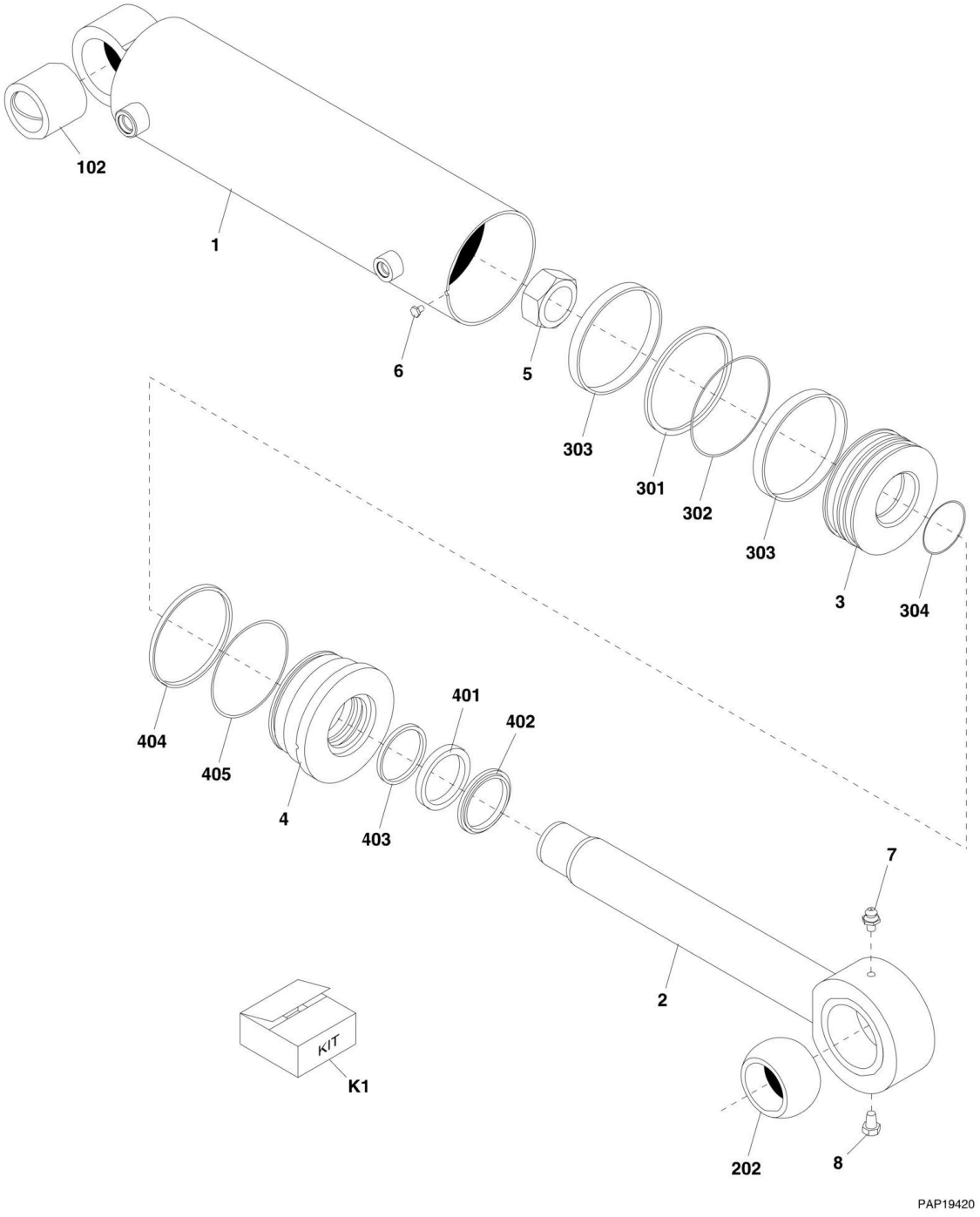


FIGURE 9-15. STEERING CYLINDER (534D-9 SN 0160033136 to Present; 534D-10 SN 0160033245 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343233	2	STEERING CYLINDER, (includes items 1 thru 202), (included item quantities are per single cylinder)	A
1	70021901	1	BARREL ASSY	
2	70021902	1	ROD ASSY	
3	70021903	1	PISTON ASSY	
4	70021904	1	ROD BEARING ASSY	
5	8037146	1	NUT	
6	70022119	2	LOCKING INSERT	
7	70022120	1	GREASE FITTING	
8	70021905	1	HEX HD PIPE PLUG	
102	70021907	1	BUSHING	
202	70021908	1	SPHERICAL BUSHING	
301	Kit	1	PISTON SEAL	
302	Kit	1	O-RING	
303	Kit	2	WEAR RING	
304	Kit	1	O-RING	
401	Kit	1	ROD SEAL	
402	Kit	1	WIPER	
403	Kit	1	BUFFER SEAL	
404	Kit	1	O-RING	
405	Kit	1	BACK-UP RING	
K1	70021909	1	SEAL KIT, (includes items 301 thru 405)	

FIGURE 9-16. THERMAL BYPASS VALVE ASSEMBLY

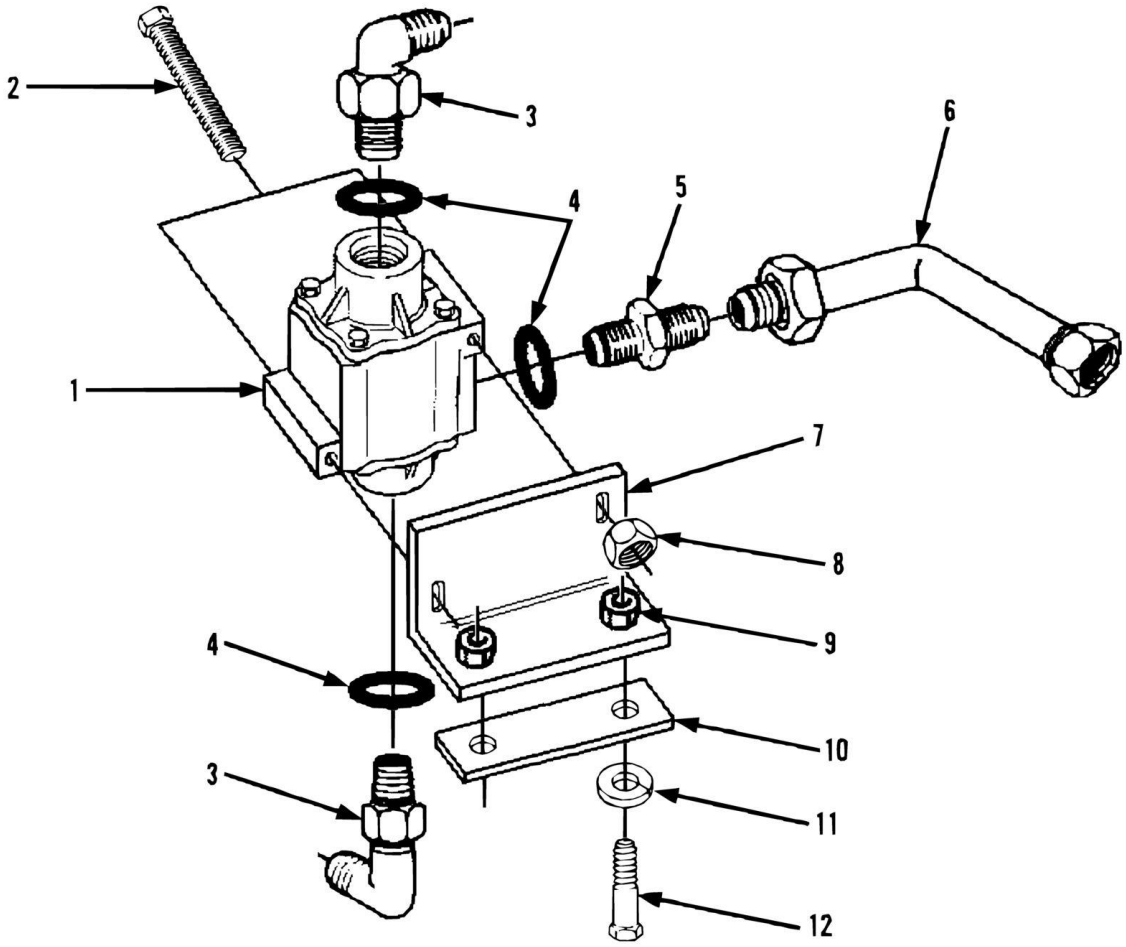


FIGURE 9-16. THERMAL BYPASS VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145067	1	THERMAL BYPASS VALVE ASSY, (includes items 1 thru 9)	D
1	91143338	1	BYPASS VALVE	
1	80974021	1	ELEMENT KIT	
2	88201045	2	HEX HD CAPSCREW, 3/8-16X3 1/2, GR5	
3	2220646	2	ELBOW, 90, (includes item 4)	
4	88591209	3	O-RING	
5	2220377	2	CONNECTOR, (includes item 4)	
6	91143274	1	TUBE ASSY	
7	91146087	1	ADAPTER, (includes item 9)	
8	77143015	2	WHIZ LOK NUT	
9	88971004	2	WELD NUT	
10	91141432	1	RECTANGULAR WASHER	
11	4761600	2	LOCKWASHER, 3/8	
12	0641610	2	HEX HD CAPSCREW, 3/8-16X1 1/4, GR5	

FIGURE 9-17. OUTRIGGER CYLINDER (534D-10 SN 0366001 through 0366533; SN 0160000125 through 0160017312)

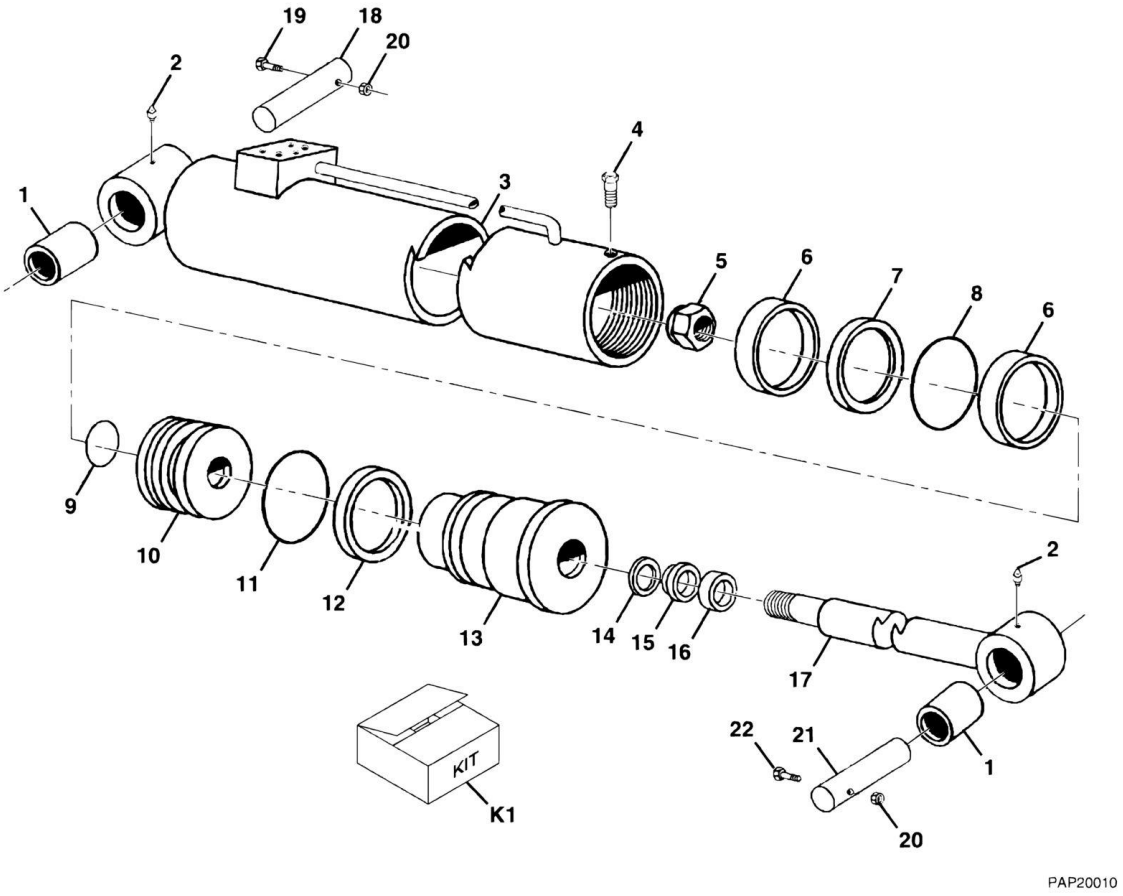


FIGURE 9-17. OUTRIGGER CYLINDER (534D-10 SN 0366001 through 0366533; SN 0160000125 through 0160017312)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163016	2	OUTRIGGER CYLINDER, (includes items 1 thru 17)	G
1	91164032	2	BUSHING	
2	91144128	2	GREASE FITTING	
3	91164033	1	CASE ASSY	
4	91144017	1	CAPSCREW	
5	91034153	1	LOCKNUT, (lubricate and toque to 1300-1350 ft lbs)	
6	Kit	2	WEAR RING	
7	Kit	1	PISTON SEAL	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	91164034	1	PISTON	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91164035	1	CYLINDER HEAD	
14	Kit	1	STEP SEAL	
15	Kit	1	U-CUP	
16	Kit	1	WIPER	
17	91164036	1	SHAFT ASSY	
18	91161016	1	OUTRIGGER CYLINDER PIN	
19	88211083	1	SOCKET HD CAPSCREW, 3/8-16X4-1/2, GR8	
20	88521206	2	HEX LOCKNUT, 3/8-16, (nylok)	
21	91161080	1	SHOE PIN	
22	83793054	1	HEX HD CAPSCREW, 3/8-16X4-1/4	
K1	91144004	Ref	SEAL KIT, (includes items 6, 7, 8, 9, 11, 12, 14, 15 & 16)	

FIGURE 9-18. OUTRIGGER CYLINDER (534D-10 SN 0160017511 through 0160038773)

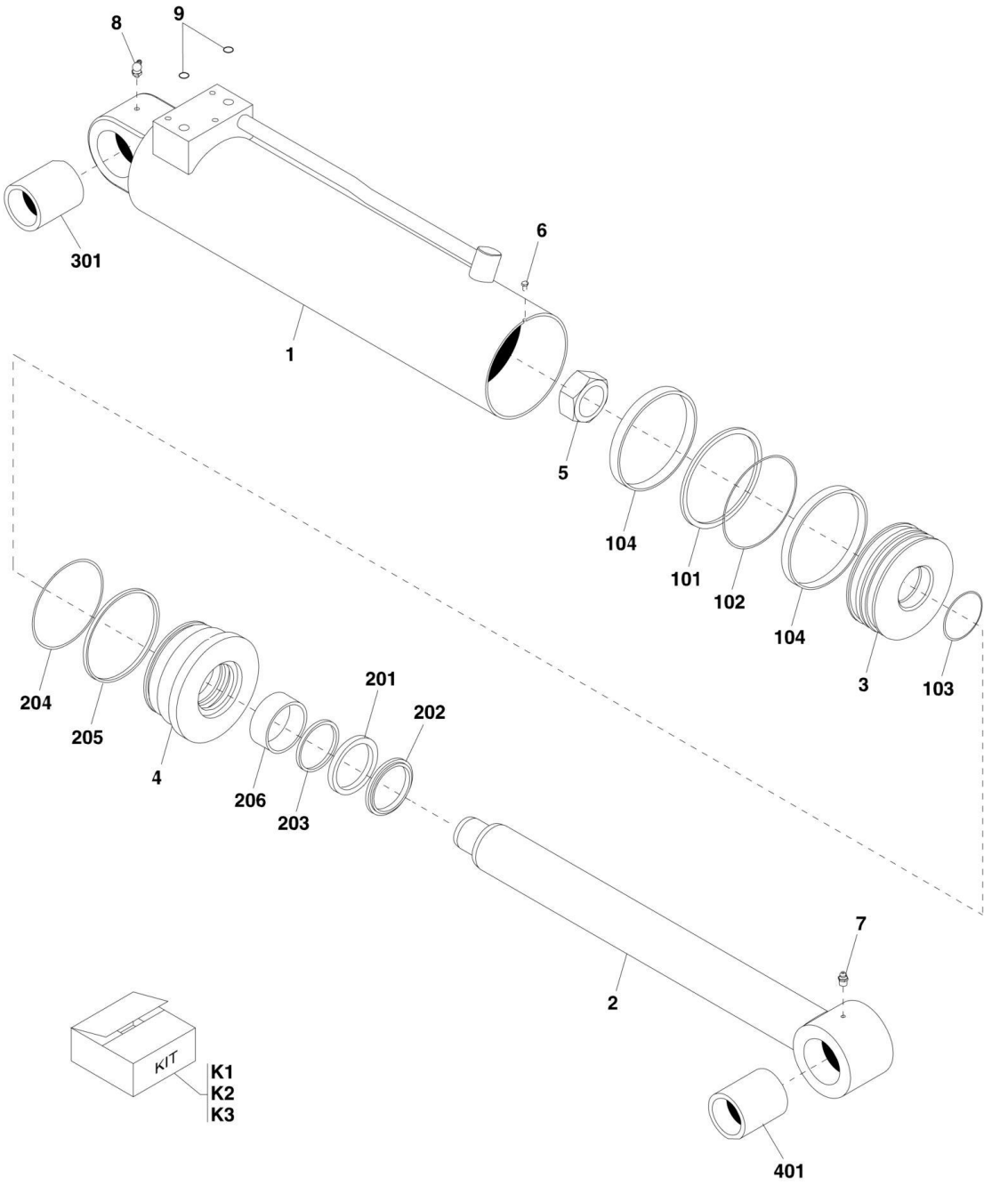


FIGURE 9-18. OUTRIGGER CYLINDER (534D-10 SN 0160017511 through 0160038773)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343235	NLA	OUTRIGGER CYLINDER ASSY, (no longer available, order 1001116439 for replacement or see items 1 thru 401 for service)	E
1	7029968	1	BARREL ASSY, (includes item 301)	
2	7029814	1	ROD ASSY, (includes item 401)	
3	7029815	1	PISTON ASSY, (includes items 101 thru 104)	
4	7029816	1	ROD BEARING ASSY, (includes items 201 thru 206)	
5	91014066	1	NUT	
6	7029760	1	CAPSCREW	
7	91044080	1	GREASE FITTING	
8	70022603	1	GREASE FITTING, 90 DEGREES	
9	70024267	2	O-RING, (between valve and barrel)	
101	Kit	1	PISTON SEAL	
102	Kit	1	O-RING	
103	Kit	1	O-RING	
104	Kit	2	WEAR RING	
201	Kit	1	ROD SEAL	
202	Kit	1	WIPER	
203	Kit	1	BUFFER	
204	Kit	1	O-RING	
205	Kit	1	BACK-UP RING	
206	Kit	1	WEAR RING	
301	7029817	1	BUSHING	
401	7029817	1	BUSHING	
K1	7029959	1	PISTON SEAL KIT, (includes items 101 thru 104)	
K2	7029980	1	ROD BEARING SEAL KIT, (includes items 201 thru 206)	
K3	70024217	1	CYLINDER SEAL KIT, (includes items 101 thru 206)	

FIGURE 9-19. OUTRIGGER CYLINDER FOR SERVICE ONLY

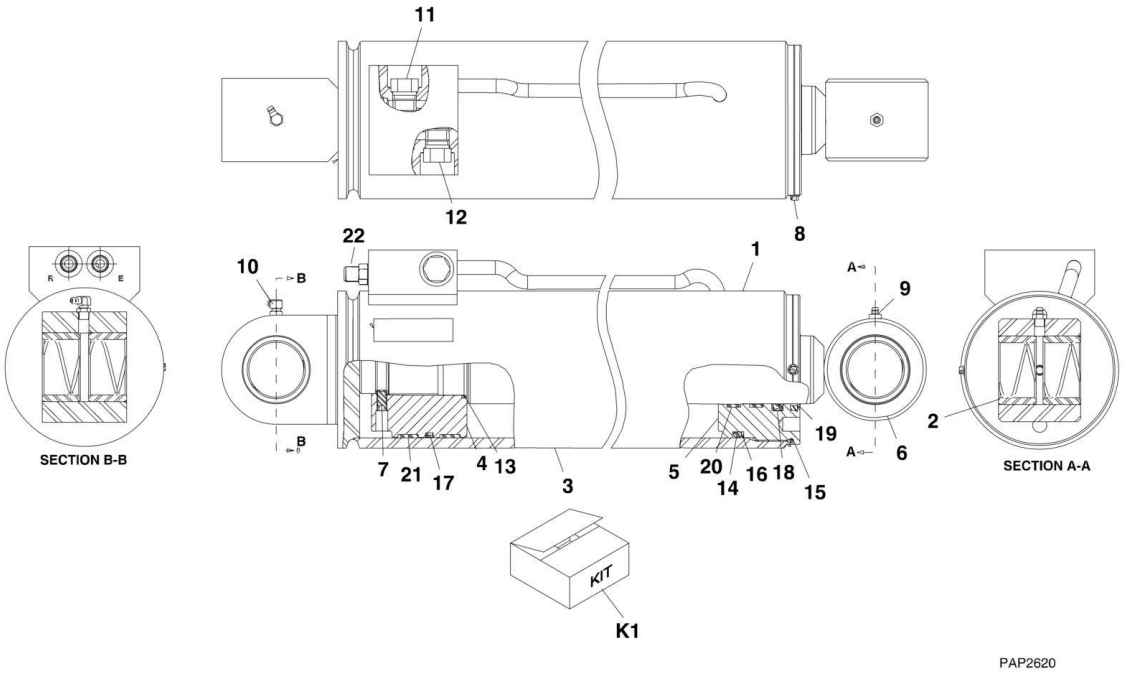
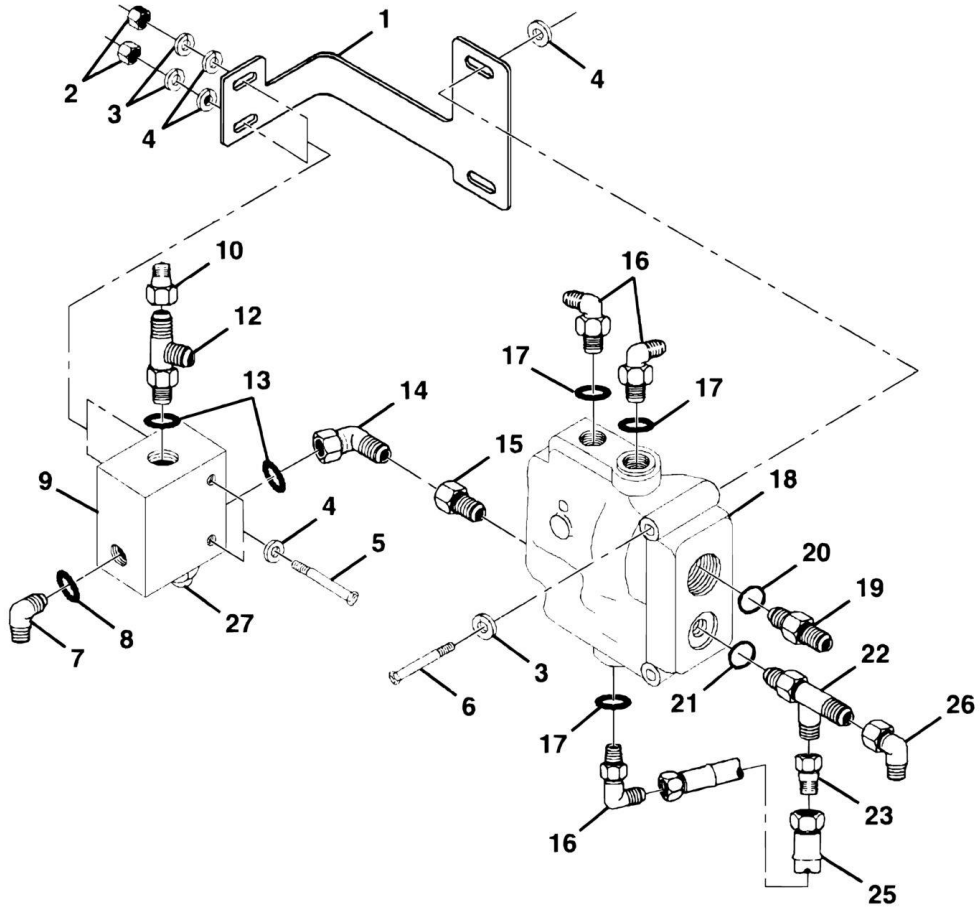


FIGURE 9-19. OUTRIGGER CYLINDER FOR SERVICE ONLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91165040	Ref	OUTRIGGER CYLINDER ASSY, (not available to order, see items 1 thru 22 for service)	E
1	1001116439	2	OUTRIGGER CYLINDER, (includes items 2 thru 21), (included item quantities are per single cylinder)	
2	70020370	4	BUSHING	
3	70023892	1	TUBE WELDMENT	
4	70023893	1	PISTON, (torque to 2350-2600 lb-ft)	
5	70023894	1	HEAD GLAND, (torque to 300-400 lb-ft)	
6	70023895	1	ROD WELDMENT	
7	8036629	1	SET SCREW, 3/8-16x3/4, (torque to 16-18 lb-ft)	
8	70023896	1	TAPPING SCREW	
9	70023897	1	LUBE FITTING	
10	8520021	1	LUBE FITTING, 90	
11	8036750	1	P.O. CHECK VALVE, (torque to 30-35 lb-ft)	
12	70023898	1	P.O. CHECK VALVE WITH THERMAL RELIEF, (torque to 30-35 lb-ft)	
13	Kit	1	O-RING	
14	Kit	1	O-RING	
15	Kit	1	O-RING	
16	Kit	1	BACK-UP RING	
17	Kit	1	PAC SEAL	
18	Kit	1	SEAL	
19	Kit	1	ROD WIPER	
20	Kit	2	WEARBAND	
21	Kit	2	WEARBAND	
22	2220371	2	ADAPTOR, (includes o-ring)	
K1	70023899	2	SEAL KIT, (includes items 13 thru 21)	

FIGURE 9-20. FLOW DIVIDER ASSEMBLY



PAP17750

FIGURE 9-20. FLOW DIVIDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345007	1	FLOW DIVIDER ASSY, (includes all items except item 6 and two of items 3 & 4)	F
1	91161272	1	FLOW DIVIDER BRACKET	
2	88501005	2	HEX NUT, 5/16-18	
3	4761500	4	LOCKWASHER, 5/16	
4	4751500	6	WASHER, 5/16	
5	88201027	2	HEX HD CAPSCREW, 5/16-18X2-3/4, GR5	
6	0641526	2	HEX HD CAPSCREW, 5/16-18X3-1/4, GR5	
7	2220473	1	ELBOW, 90, (includes item 8)	
8		Ref	O-RING	
9	91163211	1	FLOW DIVIDER	
10	2220623	1	ADAPTER	
12	2221026	1	TEE FITTING, (includes item 13)	
13		Ref	O-RING	
14	2220465	1	ELBOW, 90, (includes item 13)	
15	2220594	1	ADAPTER	
16	2220466	3	ELBOW, 90, (includes item 17)	
17		Ref	O-RING	
18	91143047	1	FLOW DIVIDER	
18	91144062	AR	FLOW DIVIDER SEAL KIT	
19	2220376	1	ADAPTER, (includes item 20)	
20		Ref	O-RING	
21		Ref	O-RING	
22	2220602	1	TEE FITTING, (includes item 21)	
23	2220618	1	ADAPTER	
25	84718692	1	HOSE ASSY	
26	8765204	1	ELBOW, 90, (swivel nut)	
27	91164103	1	CARTRIDGE	
27	91164106	AR	CARTRIDGE SEAL KIT	

FIGURE 9-21. BRAKE VALVE (534D-9 SN 0544001 through 0644895; 534D-10 SN 0366001 through 0366470)

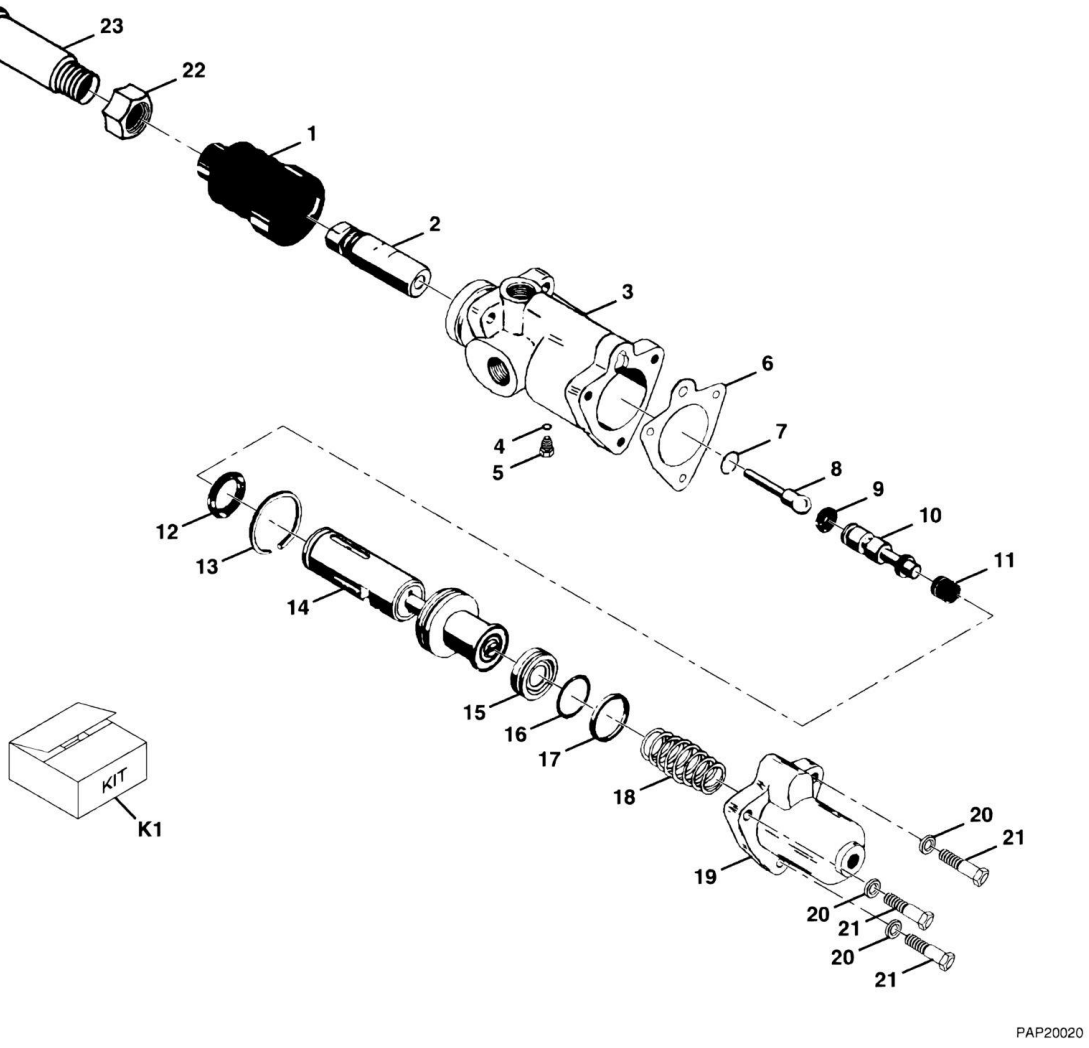


FIGURE 9-21. BRAKE VALVE (534D-9 SN 0544001 through 0644895; 534D-10 SN 0366001 through 0366470)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143201	NLA	POWER BRAKE VALVE, (no longer available, use 91365057 for replacement or see items 1 thru 21 for service)	
1	N.S.S.	1	BOOT	
2	N.S.S.	1	PRESSURE REGULATING SPRING ASSY	
3	N.S.S.	1	HOUSING	
4	Kit	1	O-RING	
5	N.S.S.	1	CAPSCREW	
6	Kit	1	GASKET	
7	N.S.S.	1	RETAINING RING	
8	N.S.S.	1	PUSH ROD	
9	Kit	1	CUP	
10	N.S.S.	1	SPOOL	
11	N.S.S.	1	SPRING	
12	Kit	1	CUP	
13	Kit	1	PISTON RING	
14	N.S.S.	1	SLEEVE AND PISTON ASSY	
15	Kit	1	PISTON AND POPPET ASSY	
16	Kit	1	O-RING	
17	Kit	1	RING SEAL	
18	N.S.S.	1	SPRING	
19	N.S.S.	1	END CAP	
20	N.S.S.	3	LOCKWASHER	
21	N.S.S.	3	HEX HD CAPSCREW	
22	88501408	1	HEX JAM NUT, 1/2-20	
23	91081445	1	PUSH ROD	
K1	91084043	1	REPAIR KIT, (includes items 1, 4, 6, 9, 12, 13, 15, 16 & 17)	

FIGURE 9-22. BRAKE VALVE (534D-9 SN 0644896 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366471 through 0160000354)

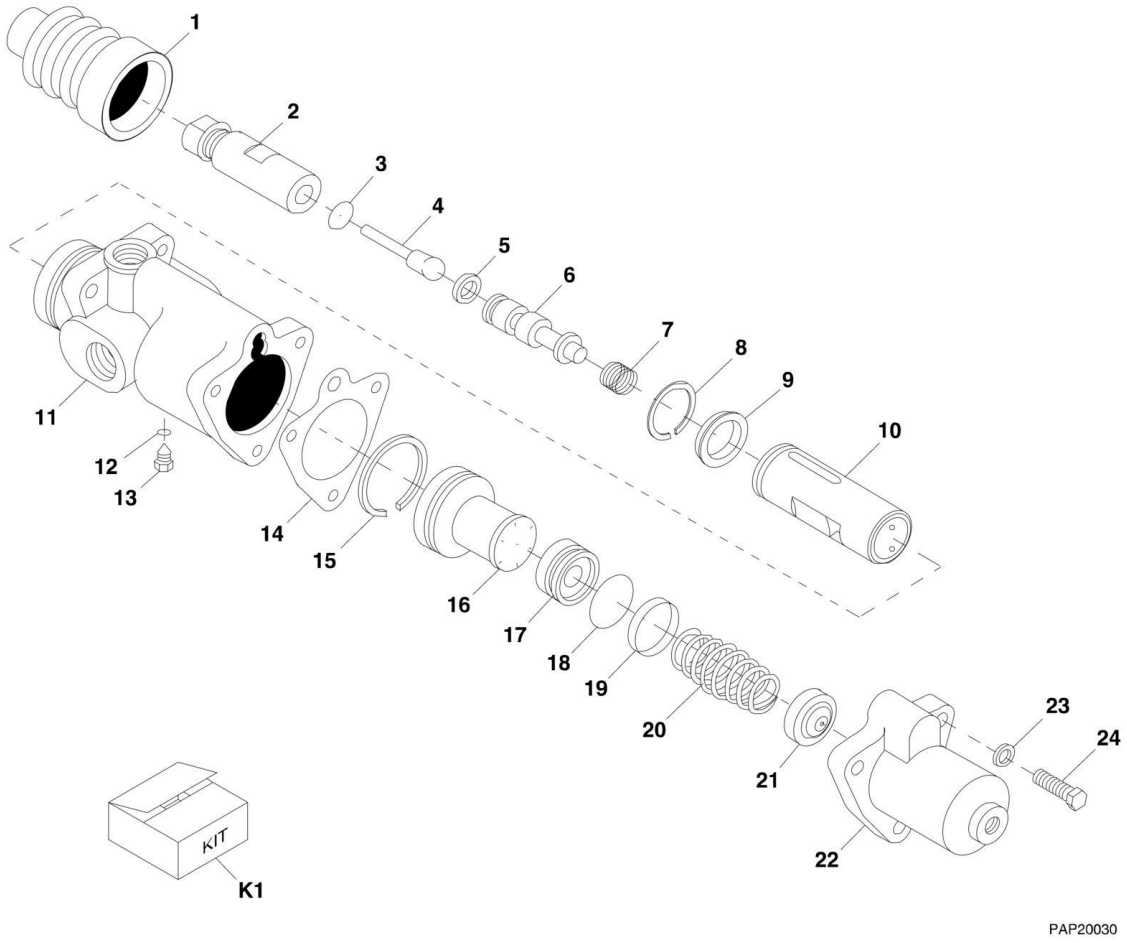


FIGURE 9-22. BRAKE VALVE (534D-9 SN 0644896 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366471 through 0160000354)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91413010	1	POWER BRAKE VALVE, (includes all items)	
1	N.S.S.	1	BOOT	
2	N.S.S.	1	PRESSURE REGULATING SPRING ASSY	
3	N.S.S.	1	RETAINING RING	
4	N.S.S.	1	PUSH ROD	
5	Kit	1	CUP	
6	N.S.S.	1	SPOOL	
7	N.S.S.	1	SPRING	
8	N.S.S.	1	RETAING RING	
9	Kit	1	CUP	
10	N.S.S.	1	SLEEVE	
11	N.S.S.	1	HOUSING	
12	Kit	1	O-RING	
13	N.S.S.	1	CAP SCREW	
14	Kit	1	GASKET	
15	Kit	1	PISTON RING	
16	N.S.S.	1	PISTON	
17	Kit	1	PISTON AND POPPET ASSY	
18	Kit	1	O-RING	
19	Kit	1	RING SEAL	
20	N.S.S.	1	SPRING	
21	Kit	1	RESIDUAL VALVE	
22	N.S.S.	1	END CAP	
23	N.S.S.	3	LOCKWASHER	
24	N.S.S.	3	HEX HD CAPSCREW	
K1	91084043	1	REPAIR KIT, (includes items 1, 5, 9, 12, 14, 15, 17, 18, 19 & 21)	

FIGURE 9-23. BRAKE VALVE (534D-9 SN 0160000319 to Present, Excluding 0160000335, 0160000337 and 0160000341; 534D-10 SN 0160000355 to Present)

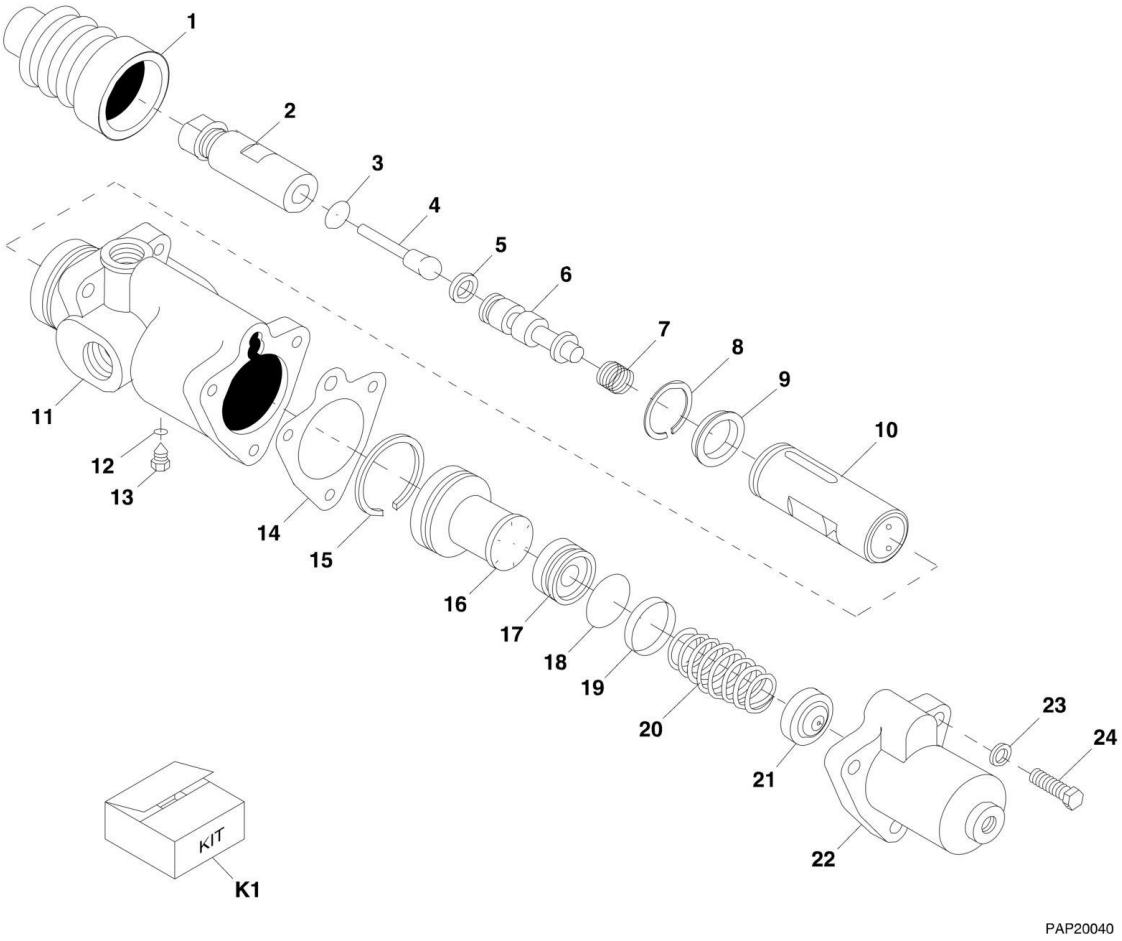


FIGURE 9-23. BRAKE VALVE (534D-9 SN 0160000319 to Present, Excluding 0160000335, 0160000337 and 0160000341; 534D-10 SN 0160000355 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91403592	1	POWER BRAKE VALVE, (includes all items)	
1	Kit	1	BOOT	
2	N.S.S.	1	PRESSURE REGULATING SPRING ASSY	
3	N.S.S.	1	RETAINING RING	
4	N.S.S.	1	PUSH ROD	
5	Kit	1	CUP	
6	N.S.S.	1	SPOOL	
7	N.S.S.	1	SPRING	
8	N.S.S.	1	RETAING RING	
9	Kit	1	CUP	
10	N.S.S.	1	SLEEVE	
11	N.S.S.	1	HOUSING	
12	Kit	1	O-RING	
13	N.S.S.	1	CAP SCREW	
14	Kit	1	GASKET	
15	Kit	1	PISTON RING	
16	N.S.S.	1	PISTON	
17	Kit	1	PISTON AND POPPET ASSY	
18	Kit	1	O-RING	
19	Kit	1	RING SEAL	
20	N.S.S.	1	SPRING	
21	Kit	1	RESIDUAL VALVE	
22	N.S.S.	1	END CAP	
23	N.S.S.	3	LOCKWASHER	
24	N.S.S.	3	HEX HD CAPSCREW	
K1	91084043	1	REPAIR KIT, (includes items 1, 5, 9, 12, 14, 15, 17, 18, 19 & 21)	

FIGURE 9-24. SOLENOID VALVE

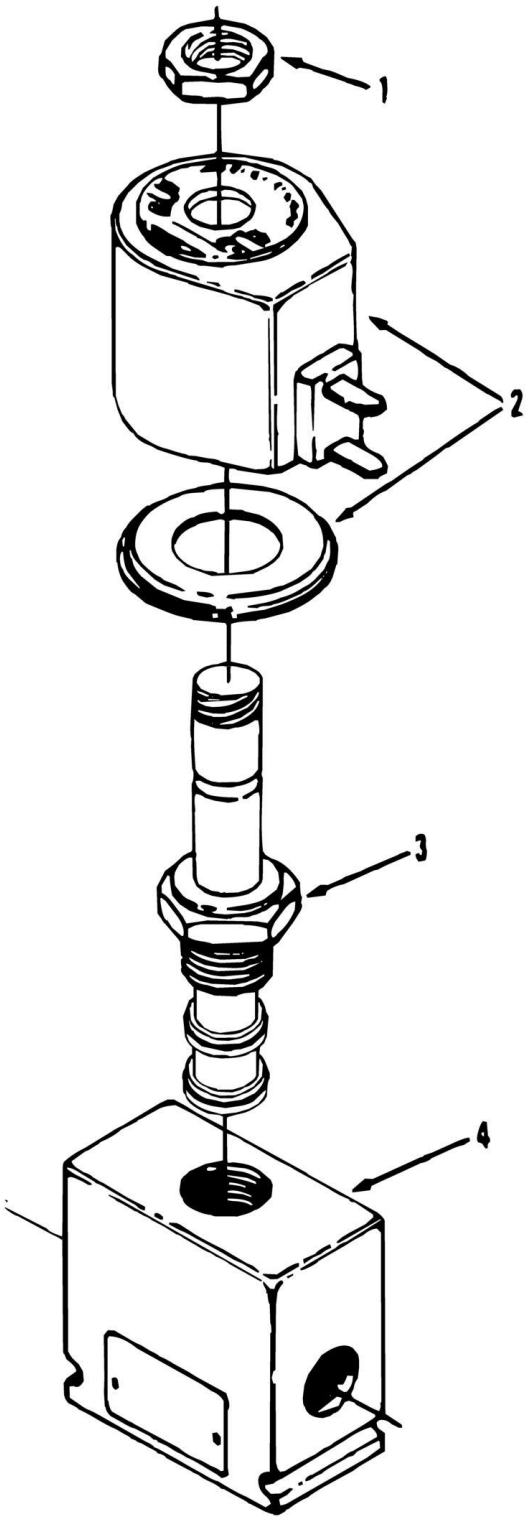


FIGURE 9-24. SOLENOID VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91043446	1	3-WAY SOLENOID VALVE, (includes all items)	
1	7022390	1	NUT	
2	7021610	1	COIL	
3	7022394	1	CORE ASSY, (3-way, 2-position)	
4	80934035	1	VALVE BODY	

FIGURE 9-25. SWAY CYLINDER VALVE

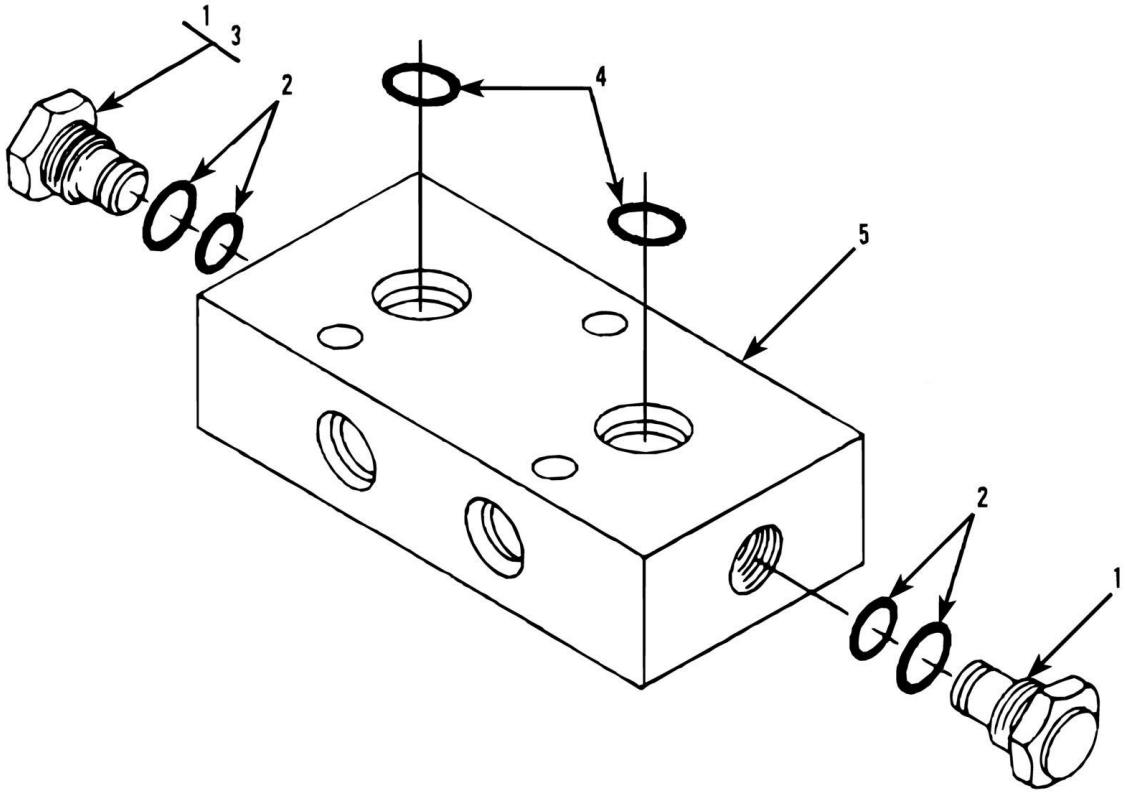


FIGURE 9-25. SWAY CYLINDER VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163027	1	SWAY CYLINDER VALVE, (includes items 1, 2, 3 & 5)	
1	4641192	2	VALVE CARTRIDGE	
2	7017496	2	VALVE SEAL KIT	
3	7024881	1	PISTON	
4	88591012	2	O-RING	
5		Ref	VALVE BODY	

FIGURE 9-26. OUTRIGGER CYLINDER VALVE (534D-10 SN 0366001 through 0366553; SN 0160000125 through 0160038773)

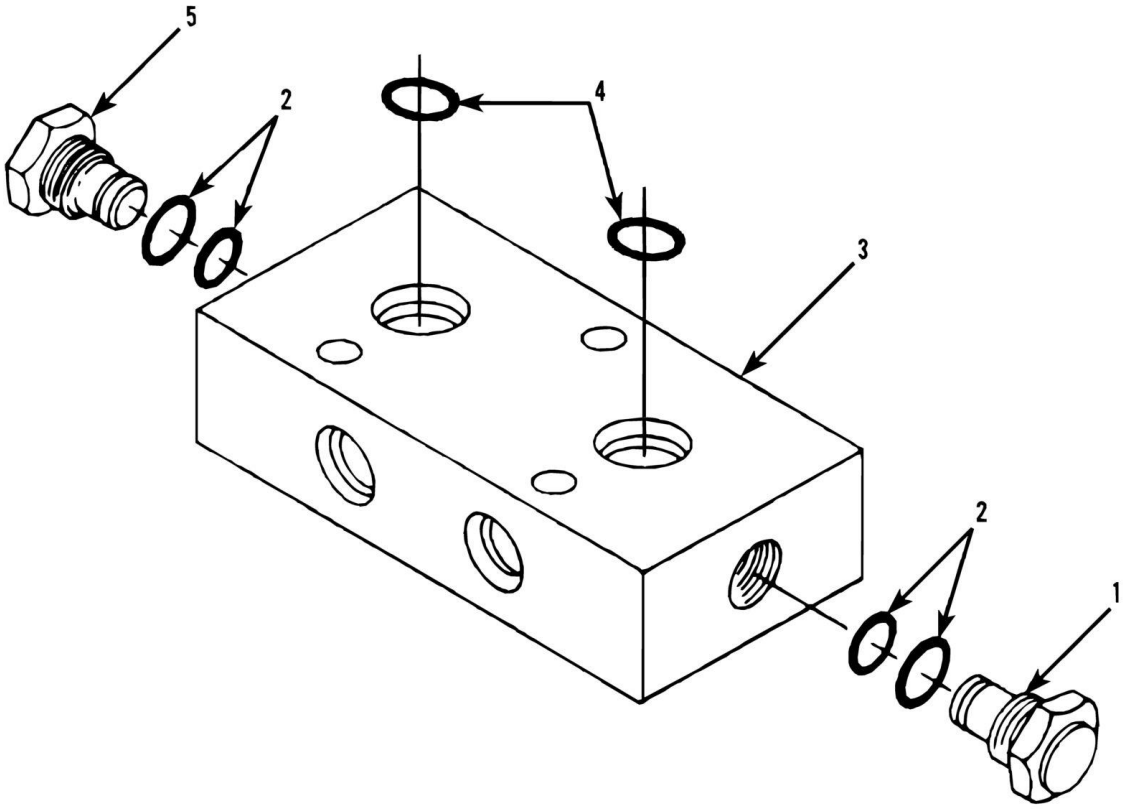


FIGURE 9-26. OUTRIGGER CYLINDER VALVE (534D-10 SN 0366001 through 0366553; SN 0160000125 through 0160038773)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163245	2	OUTRIGGER CYLINDER VALVE, (534D-10), (includes all items)	E
1	91034107	1	THERMAL RELIEF VALVE	
2	91164083	2	VALVE SEAL KIT	
3	N.S.S.	1	VALVE BODY	
4	91034118	2	O-RING	
5	91164107	1	CHECK CARTRIDGE	

FIGURE 9-27. INCHING VALVE (534D-9 SN 0544001 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366001 through 0160000354)

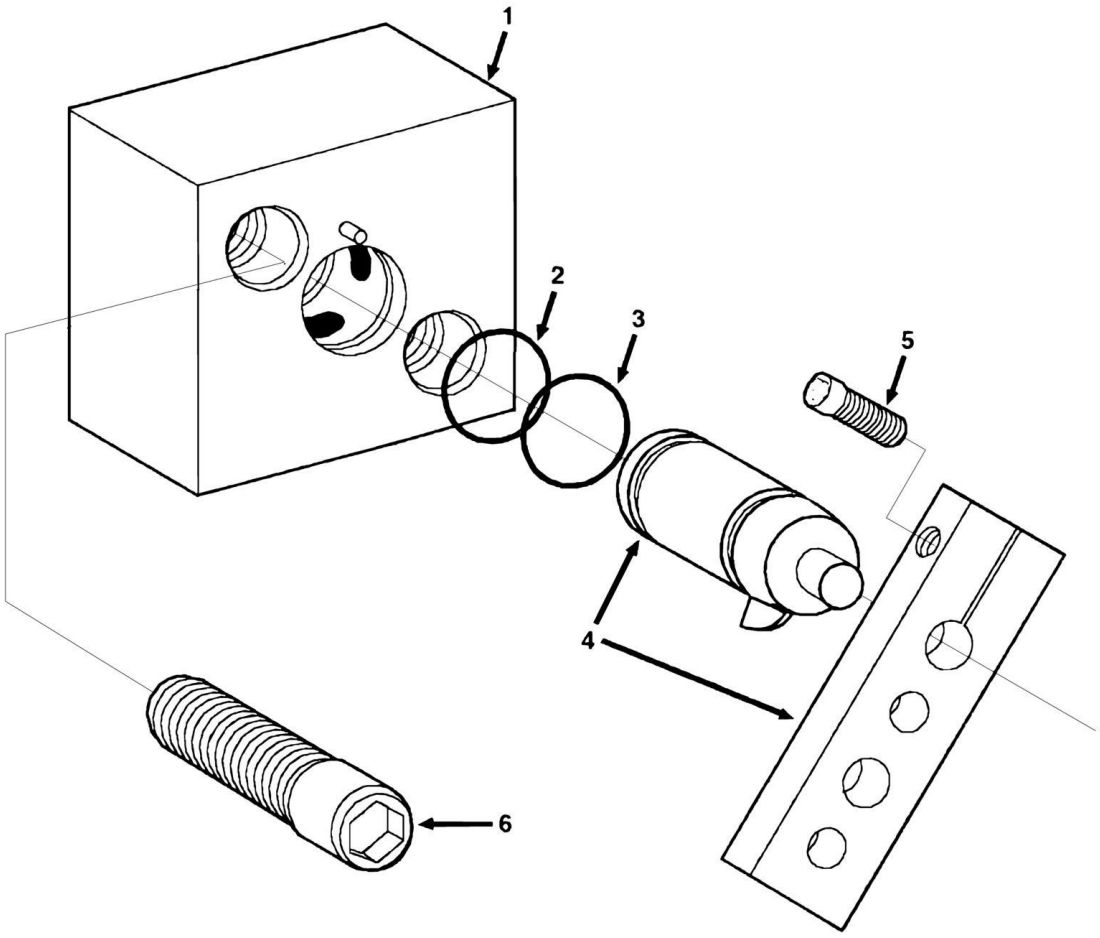


FIGURE 9-27. INCHING VALVE (534D-9 SN 0544001 through 0160000318, Including 0160000335, 0160000337 and 0160000341; 534D-10 SN 0366001 through 0160000354)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143140	1	INCHING VALVE, (includes all items)	
2	80934423	1	O-RING	
3	80934202	1	O-RING	
4		Ref	ACTIVATING LEVER	
5		Ref	SOCKET HD CAPSCREW	
6	88212228	2	SOCKET HD CAPSCREW	

FIGURE 9-28. INCHING VALVE (534D-9 SN 0160000319 to Present, Excluding 0160000335, 0160000337 and 0160000341; 534D-10 SN 0160000355 to Present)

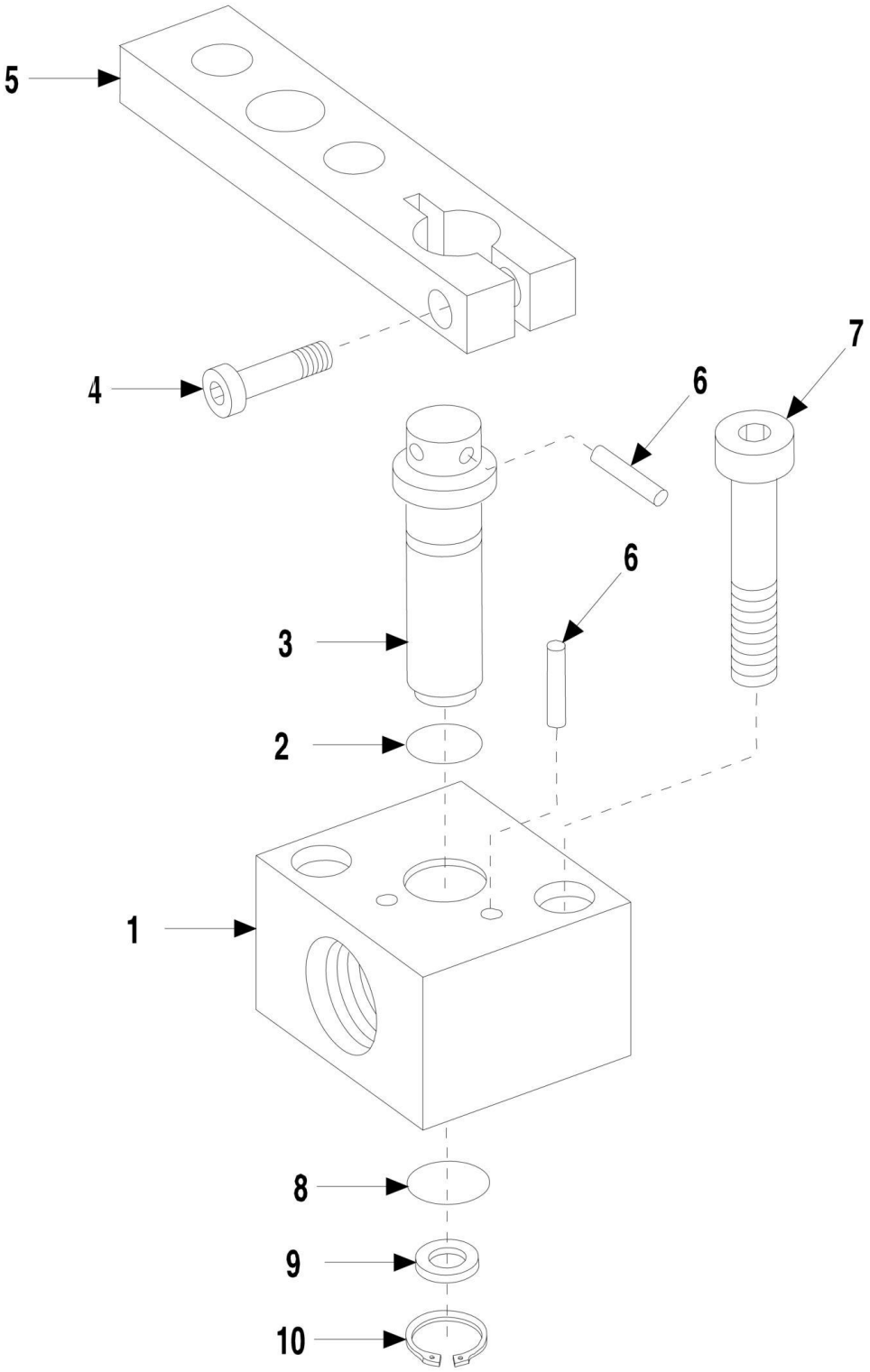


FIGURE 9-28. INCHING VALVE (534D-9 SN 0160000319 to Present, Excluding 0160000335, 0160000337 and 0160000341; 534D-10 SN 0160000355 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143372	Ref	INCHING VALVE, (includes all items)	B
1	91144460	1	INCHING DEVICE, (includes all items except one of item 6)	
2	70022051	1	O-RING	
3	91144462	1	SHAFT	
4	91144463	1	CAPSCREW, M5X20	
5	91144464	1	LEVER	
6	91144465	3	PIN	
7	91144466	2	CAPSCREW, M8X30	
8	80934671	1	O-RING	
9	91144461	1	SHIM	
10	91144467	1	SNAP RING	

FIGURE 9-29. MAIN CONTROL VALVE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

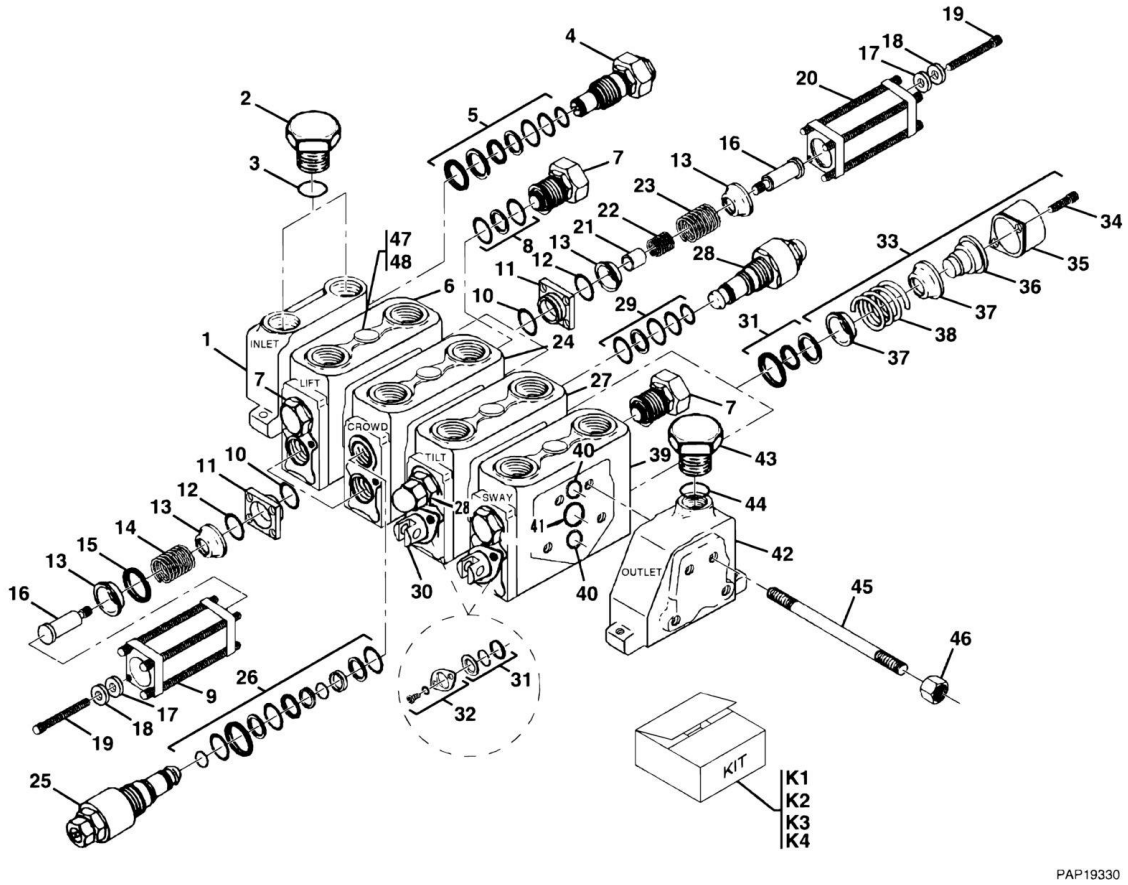


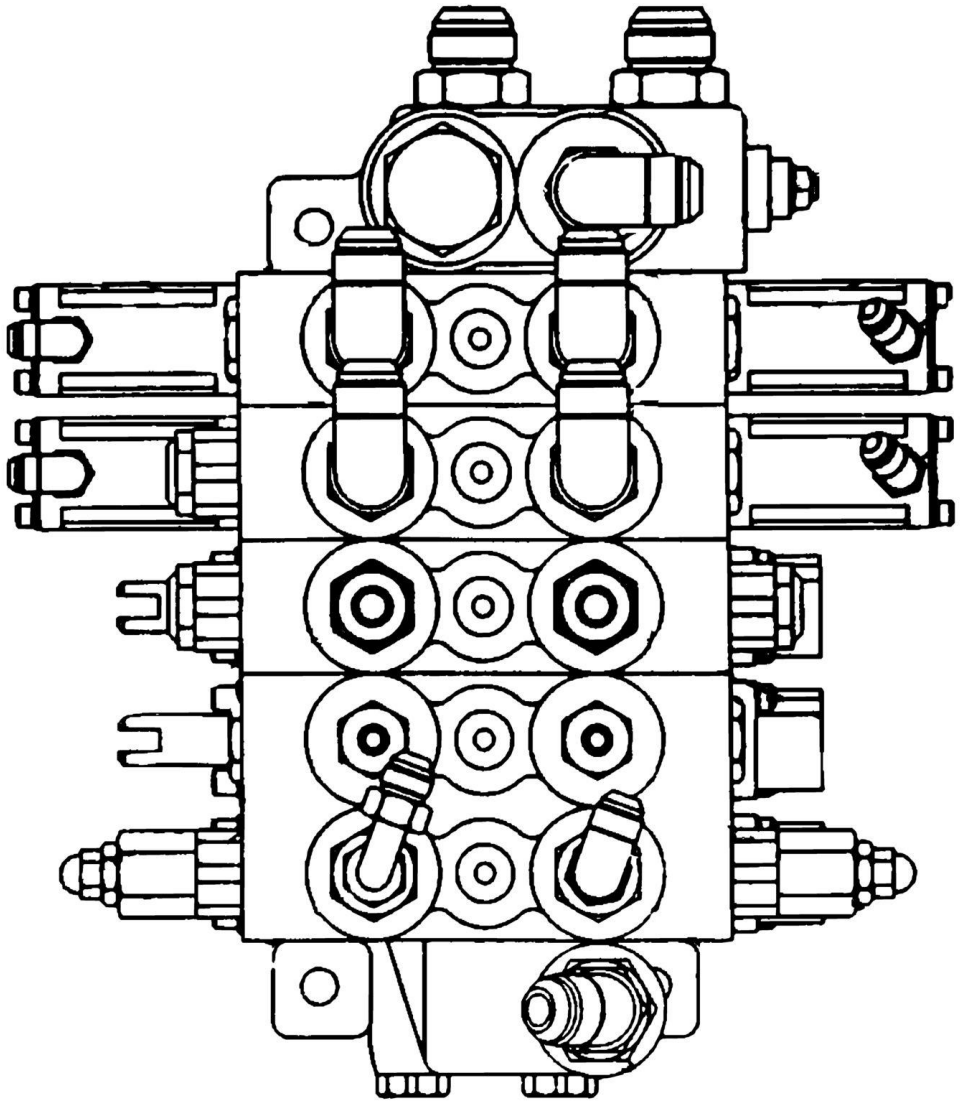
FIGURE 9-29. MAIN CONTROL VALVE (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143017	1	MAIN CONTROL VALVE, (includes all items, except items 43 & 44) **(534D-9 Prior to SN 0160027771; 534D-10 Prior to SN 0160027772, Except SN 0160026243 through 0160026245)**	I
	91143041	1	MAIN CONTROL VALVE, (includes items 1 thru 42, 45 thru 48 & Kit K4) **(534D-9 SN 0160027771 through 0160038519; 534D-10 SN 0160027772 through 0160038445, SN 0160026246 through 0160026245)**	M
1	91144162	1	L.E. INLET COVER ASSY, (includes items 2 thru 4)	
2	91144250	2	PLUG, (includes item 3)	
3	N.S.S.	2	O-RING	
4	91144255	1	MAIN RELIEF VALVE - 3000 PSI, (includes item 5)	
5	91034236	1	MAIN RELIEF SEAL KIT	
6	91144164	1	LIFT SECTION, (includes two of item 7, plus one of items 9, 20 & 30)	
7	91144256	5	PLUG ASSY, (includes item 8, torque to 18-22 ft lbs)	
8	91144257	5	PLUG SEAL KIT	
9	91144258	2	HR POSITIONER, (includes items 10 thru 19)	
10	N.S.S.	2	O-RING	
11	N.S.S.	2	SPACER	
12	N.S.S.	2	O-RING	
13	N.S.S.	4	STOP COLLAR	
14	N.S.S.	1	SPRING	
15	N.S.S.	1	SPACER	
16	N.S.S.	2	POSITIONER	
17	N.S.S.	8	BEARING PLATE	
18	N.S.S.	8	LOCKWASHER	
19	N.S.S.	8	HEX HD CAPSCREW, 1/4-20X3-1/2	
20	91144259	2	HR POSITIONER, (includes items 10 thru 13, 16 thru 19 & 21 thru 23)	
21	N.S.S.	1	STOP SLEEVE	
22	N.S.S.	1	SPRING	
23	N.S.S.	1	SPRING	
24	91144165	1	CROWD SECTION, (includes one of items 7, 20 & 30 plus item 25)	
25	91144260	1	RELIEF VALVE - 2700 PSI, (includes item 26)	
26	91144261	1	RELIEF VALVE SERVICE KIT	
27	91144166	1	TILT SECTION, (includes item 28 plus one of items 30, 32 & 33)	
28	91144252	2	RELIEF VALVE - 3250 PSI, (includes item 29, torque to 18-22 ft lbs)	
29	91144262	2	SEAL KIT	
30	Kit	Ref	SPOOL, (not sold separately, order valve section)	
31	91144263	4	SPOOL SEAL KIT, (two kits needed per section as required), (lift and crowd sections do not require spool seals)	
32	91144264	2	SPOOL RETAINER KIT, (torque to 54-60 ft lbs)	
33	91144265	2	POSITIONER KIT, (includes items 34 thru 38)	
34	N.S.S.	2	HEX HD CAPSCREW, 1/4-20x.875	
35	N.S.S.	1	BONNET	
36	N.S.S.	1	SPOOL COLLAR	
37	N.S.S.	2	SPOOL COLLAR	
38	N.S.S.	1	SPRING	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	91144167	1	SWAY SECTION, (includes two of item 7, plus one of items 30, 32 & 33)	
40	Kit	10	O-RING	
41	Kit	5	O-RING	
42	91144163	1	R.E. OUTLET COVER ASSY	
43	2220242	1	PLUG, (534D-9), (includes item 44)	
43	2200224	1	PLUG, (534D-10)	
44	N.S.S.	1	O-RING	
45	Kit	4	STUD, (included in 91034105)	
46	Kit	4	NUT, (torque to 23-27 ft lbs), (included in 91034105)	
47	91144266	4	LOAD CHECK PLUG, (one per valve section, torque to 16-18 ft lbs)	
48	N.S.S.	4	O-RING, (included in section seal kit 91144254)	
K1	91034105	1	STUD KIT, (includes four each of items 45 & 46)	
K2	91144161	1	SEAL KIT, (includes ten of item 40 and five of item 41)	
K3	91144254	AR	SECTION SEAL KIT, (contains seals needed for servicing items 7, 30 & 47, also includes two of item 40 and one of item 41), (one kit needed per valve section)	
K4		Ref	PARTS NEEDED TO CONVERT A 5-SECTION VALVE W/AUXILIARY HYDRAULICS, (ref OPTIONS SECTION)	
K4	91144194	1	AUXILIARY VALVE SECTION	
K4	91034070	1	STUD KIT	
K4	91144254	2	SECTION SEAL KIT	

FIGURE 9-30. MAIN CONTROL VALVE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)



PAP20120

FIGURE 9-30. MAIN CONTROL VALVE (534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001109347	1	MAIN CONTROL VALVE	A

FIGURE 9-31. HYDRAULIC RESERVOIR AND FILTERS

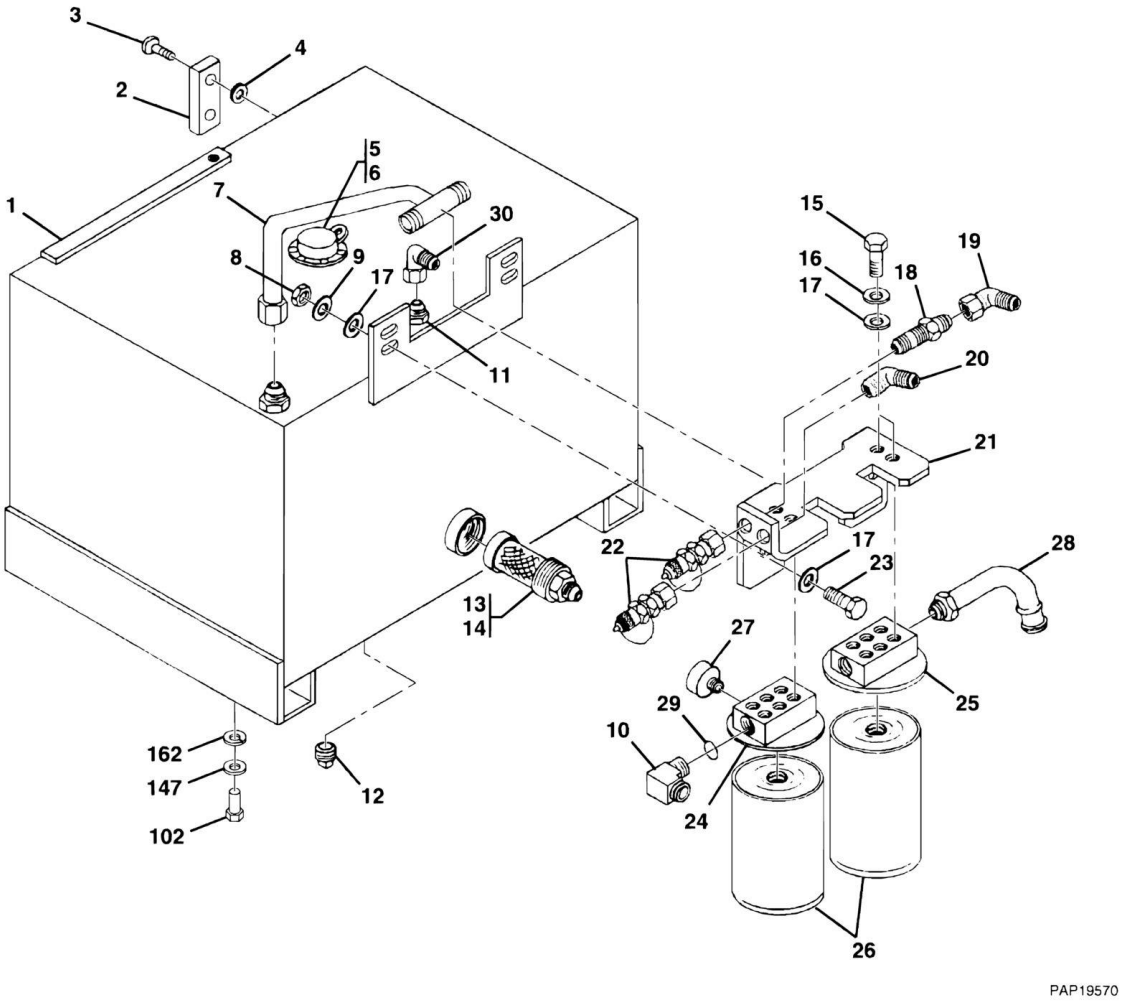


FIGURE 9-31. HYDRAULIC RESERVOIR AND FILTERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91165013	1	HYDRAULIC RESERVOIR ASSY, (includes all items)	K
1	91143133	1	HYDRAULIC OIL TANK, (includes item 12)	
2	91083070	1	FLUID LEVEL GAUGE, (includes items 3 & 4)	
3	N.S.S.	2	SCREW	
4	N.S.S.	2	WASHER	
5	91083069	1	FILLER BREATHER	
6	91333023	6	SLOTTED HEX WASHER HD MACHINE SCREW, #10-32X1/2	
7	91163141	1	TUBE ASSY	
8	88501006	4	HEX NUT, 3/8-16	
9	88551011	4	LOCKWASHER, 3/8	
10	88662070	1	ELBOW, 90, (includes item 29)	
11	2220345	1	MALE ADAPTER	
12	N.S.S.	1	PLUG	
13	91083301	1	TANK FILTER	
14	91083200	1	STRAIGHT CONNECTOR	
15	88201019	4	HEX HD CAPSCREW, 5/16-18X7/8, GR5	
16	88551010	4	LOCKWASHER, 5/16	
17	88561003	12	WASHER, 5/16	
18	2230024	1	ADAPTER	
19	8760268	1	ELBOW, 90, (swivel nut)	
20	2230043	1	ELBOW, 90	
21	91161210	1	FILTER SUPPORT	
22	91143172	2	MINI CHECK COUPLING, (includes o-ring)	
22	88591210	2	O-RING	
23	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
24	91143218	1	RETURN FILTER, (includes one of item 26 & item 27)	
25	91083518	1	SUCTION FILTER, (includes one of item 26)	
26	2120168	2	FILTER ELEMENT	
27	91084022	1	COLOR CODED GAUGE	
28	80673009	1	ELBOW, 90	
29	88591210	1	O-RING	
30	8765204	1	ELBOW, 90, (swivel nut)	
102	0642012	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
147	4752000	4	WASHER, 5/8	
162	4762000	4	LOCKWASHER, 5/8	

FIGURE 9-32. FRONT DRIVE MOTOR

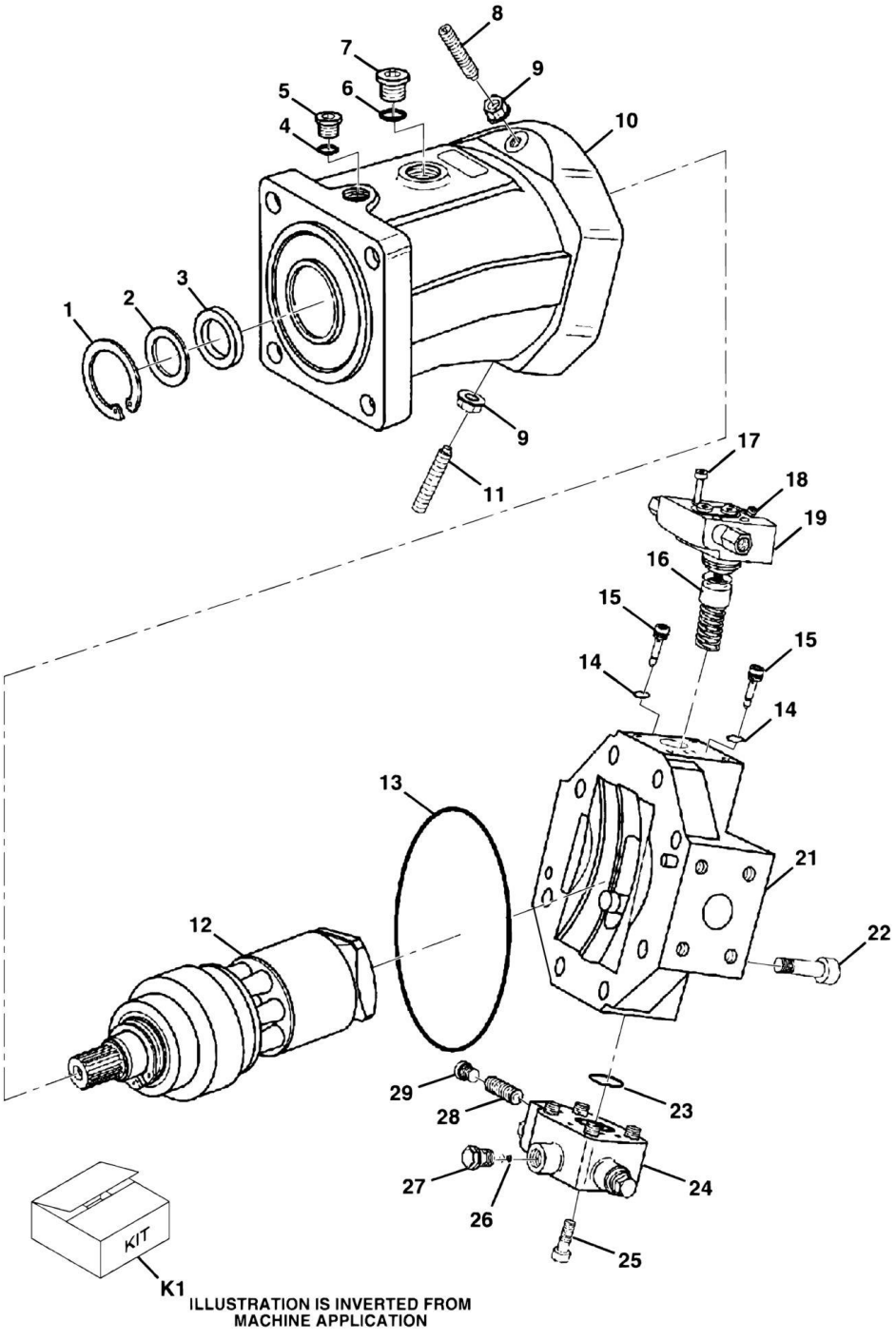


FIGURE 9-32. FRONT DRIVE MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163044	1	FRONT DRIVE MOTOR ASSY, (includes all items)	E
1	91094026	1	SNAP RING	
2	91094027	1	SHIM	
3	Kit	1	SHAFT SEAL	
4	Kit	1	O-RING	
5	91094028	1	PLUG, (includes item 4)	
6	Kit	1	O-RING	
7	91094029	1	PLUG, (includes item 6)	
8	80914241	1	STOP SCREW, M12X90	
9	Kit	2	SEAL NUT	
10	91094030	1	HOUSING	
11	91094031	1	STOP SCREW, M12X80	
12	91094032	1	ROTARY GROUP	
13	Kit	1	O-RING	
14	Kit	6	O-RING	
15	80914235	2	CHECK VALVE KIT, (includes o-rings)	
16	Kit	1	O-RING	
17	80934080	4	CAPSCREW	
18	Kit	1	SEAL NUT	
19	91094033	1	DA1 CONTROL KIT, (includes items 16, 17, 18 & 20)	
20	91144248	2	FITTING	
21	91094034	1	REAR COVER ASSY, (includes item 22)	
22	91094035	8	CAPSCREW, M16X45	
23	Kit	1	O-RING	
24	91164017	1	FLUSHING VALVE ASSY, (includes items 23, 25, 26, 27 & 29)	
25	91094037	4	CAPSCREW, M8X50	
26	91094038	1	FLUSHING ORIFICE	
27	91094039	1	PLUG	
28	83924123	1	SWIVEL TIME ORIFICE	
29	91094040	2	PLUG	
K1	7028820	AR	SEAL KIT, (includes items 3, 4, 6, 9, 13, 14, 16, 18 & 23)	

FIGURE 9-33. MAIN HYDRAULIC PUMP

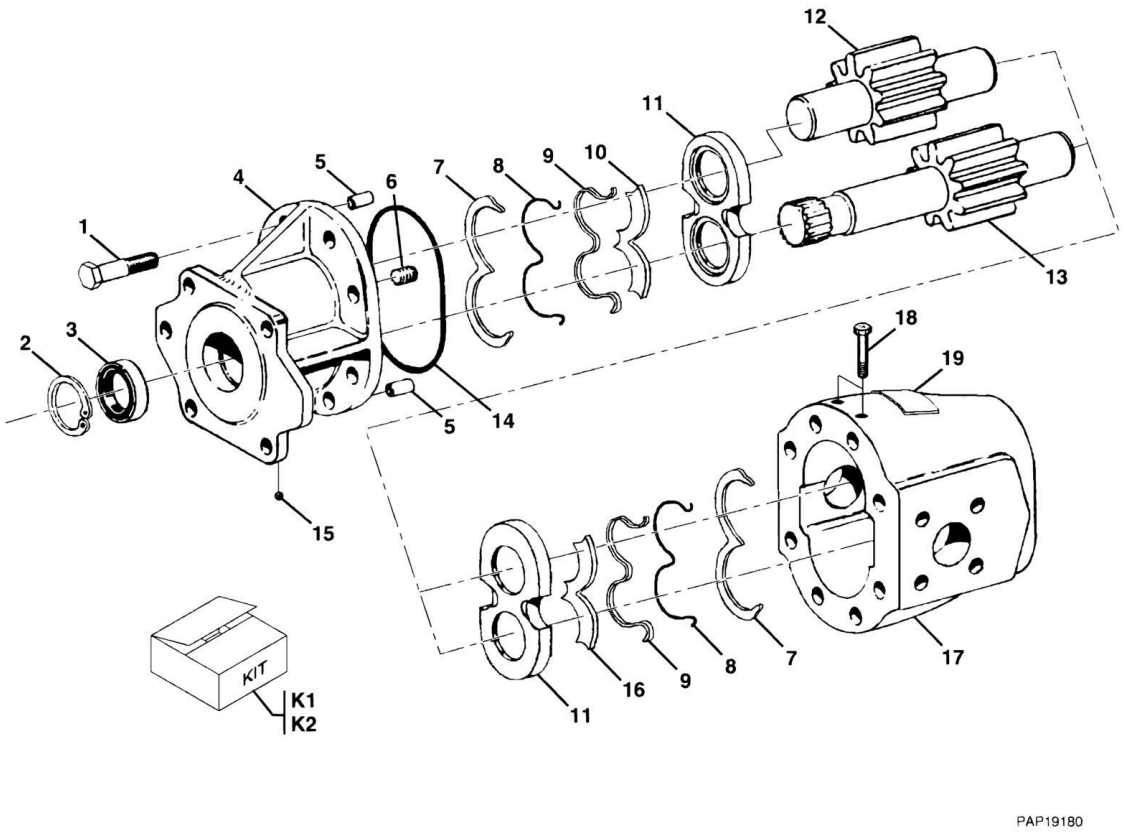


FIGURE 9-33. MAIN HYDRAULIC PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163068	1	MAIN HYDRAULIC PUMP, (includes all items)	B
1	91064021	8	CAPSCREW	
2	90202372	1	SNAP RING	
3	90202371	1	SHAFT SEAL	
4	91144169	1	FLANGE	
5	90202376	2	DOWEL	
6	91144171	1	PIPE PLUG	
7	90202405	2	RING RETAINER	
8	90202403	2	O-RING	
9	90202404	2	BACK-UP RING	
10	90202406	1	ISOLATION PLATE, (upper)	
11	90202399	2	PRESSURE PLATE	
12	91047061	1	IDLER GEAR	
13	91164049	1	DRIVE GEAR	
14	90202379	1	O-RING	
15	91164050	1	BALL	
16	90202407	1	ISOLATION PLATE, (lower)	
17	91164051	1	BODY	
18	91144172	2	DRIVE SCREW	
19	91144173	1	LABEL	
K1	91014058	AR	SHAFT SEAL KIT, (includes items 2, 3 & 14)	
K2	91144174	AR	SEAL KIT, (includes items 2, 3, 7, 8, 9 & 14)	

FIGURE 9-34. HYDROSTATIC TRANSMISSION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

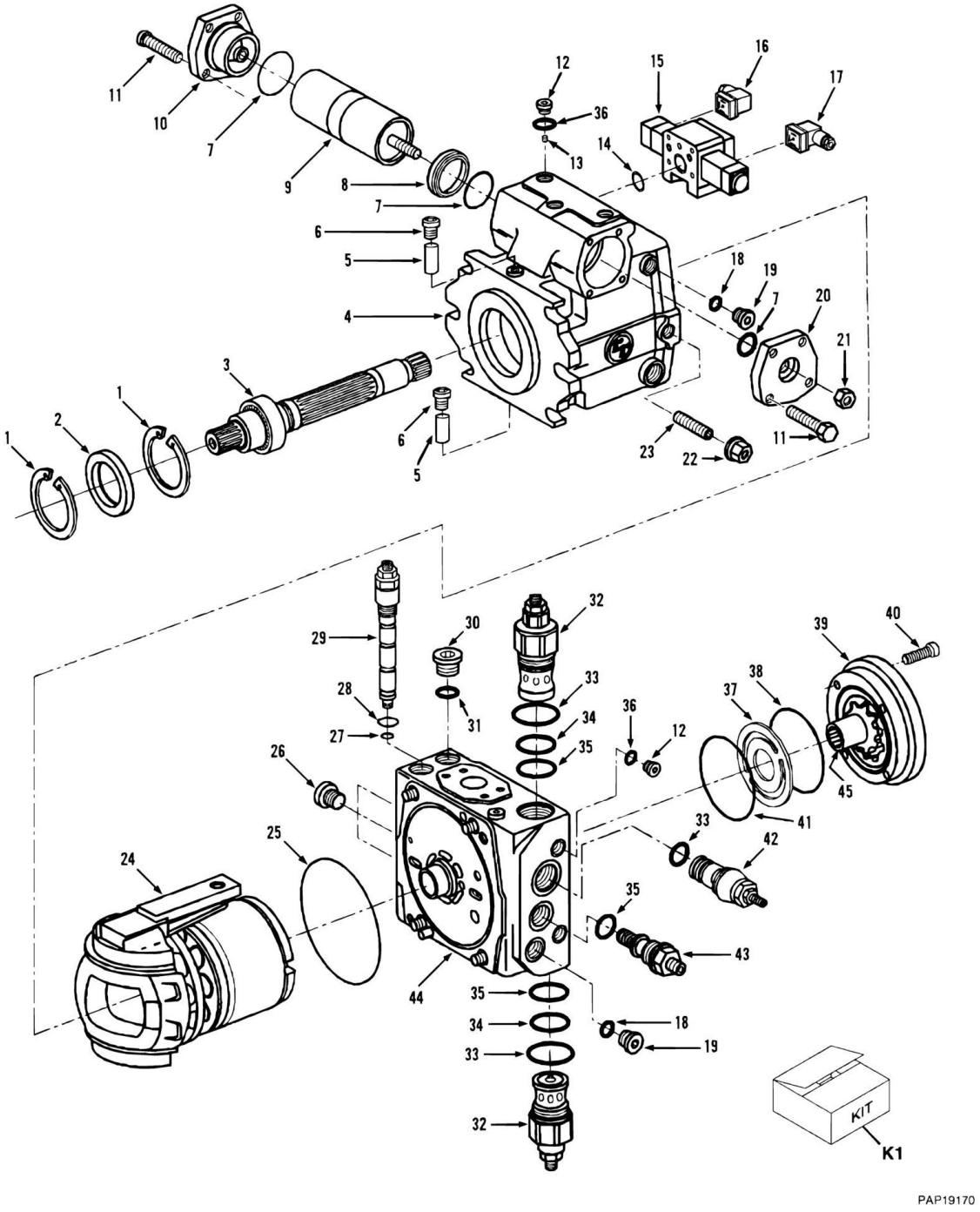


FIGURE 9-34. HYDROSTATIC TRANSMISSION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163048	1	HYDROSTATIC TRANSMISSION PUMP, (includes all items)	B
1	Kit	2	SNAP RING	
2	Kit	1	SHAFT SEAL	
3	91144413	1	SHAFT ASSY	
4	91084319	1	HOUSING ASSY	
5	91084320	2	PIN	
6	Kit	4	PLUG	
7	Kit	1	O-RING	
8	91084321	2	BUSHING	
9	91084322	1	STROKING PISTON ASSY	
10	91084323	1	STROKING PISTON COVER KIT, (includes items 7 & 11)	
11	70020334	8	CAPSCREW, M8X20	
12	80334103	5	Plug, (includes item 36)	
13	91144093	2	STROKING ORIFICE	
14	Kit	1	O-RING	
15	91084324	1	DA CONTROL ASSY, (includes items 16 & 17)	
16	7023856	1	Connector, Electrical (Black)	
17	7023855	1	Connector, Electrical (Gray)	
18	Kit	2	O-RING	
19	80934082	2	PLUG, (includes item 18)	
20	91084325	1	STROKING PISTON COVER KIT, (includes items 7 & 11)	
21	91144094	1	JAM NUT	
22	Kit	1	SEAL NUT	
23	91144095	1	ECCENTRIC SCREW	
24	91404032	1	ROTARY GROUP ASSY	
25	Kit	1	O-RING	
26	91084327	3	PLUG	
27	Kit	1	O-RING	
28	Kit	1	O-RING	
29	91084328	1	POR ASSY, (includes items 27 & 28)	
30	80934340	1	PLUG, (includes item 31)	
31	Kit	1	O-RING	
32	70022729	2	RELIEF VALVE, (includes one each of items 33 thru 35)	
33	Kit	3	O-RING	
34	Kit	2	O-RING	
35	Kit	3	O-RING	
36	Kit	5	O-RING	
37	91084329	1	WEAR PLATE	
38	91144412	1	O-RING	
39	91144092	1	CHARGE PUMP ASSY, (includes items 37, 38, 40 & 41)	
40	91084331	4	CAPSCREW, M12X35	
41	91144411	1	O-RING	
42	91144099	1	DA CARTRIDGE ASSY	
43	91144098	1	CHARGE PRESSURE RELIEF VALVE, (includes item 35)	
44	91084332	1	PORT BLOCK ASSY, (includes items 25,26, 27, 28 & 29)	
45	91144410	1	REAR BUSHING	
K1	91364143	AR	SEAL KIT, (includes items 1, 2, 6, 7, 12, 14, 18, 19, 22, 25, 26, 27, 28, 30, 31, 33, 34, 35, 36, 38, 41, 42 plus additional items not illustrated)	

FIGURE 9-35. HYDROSTATIC TRANSMISSION (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

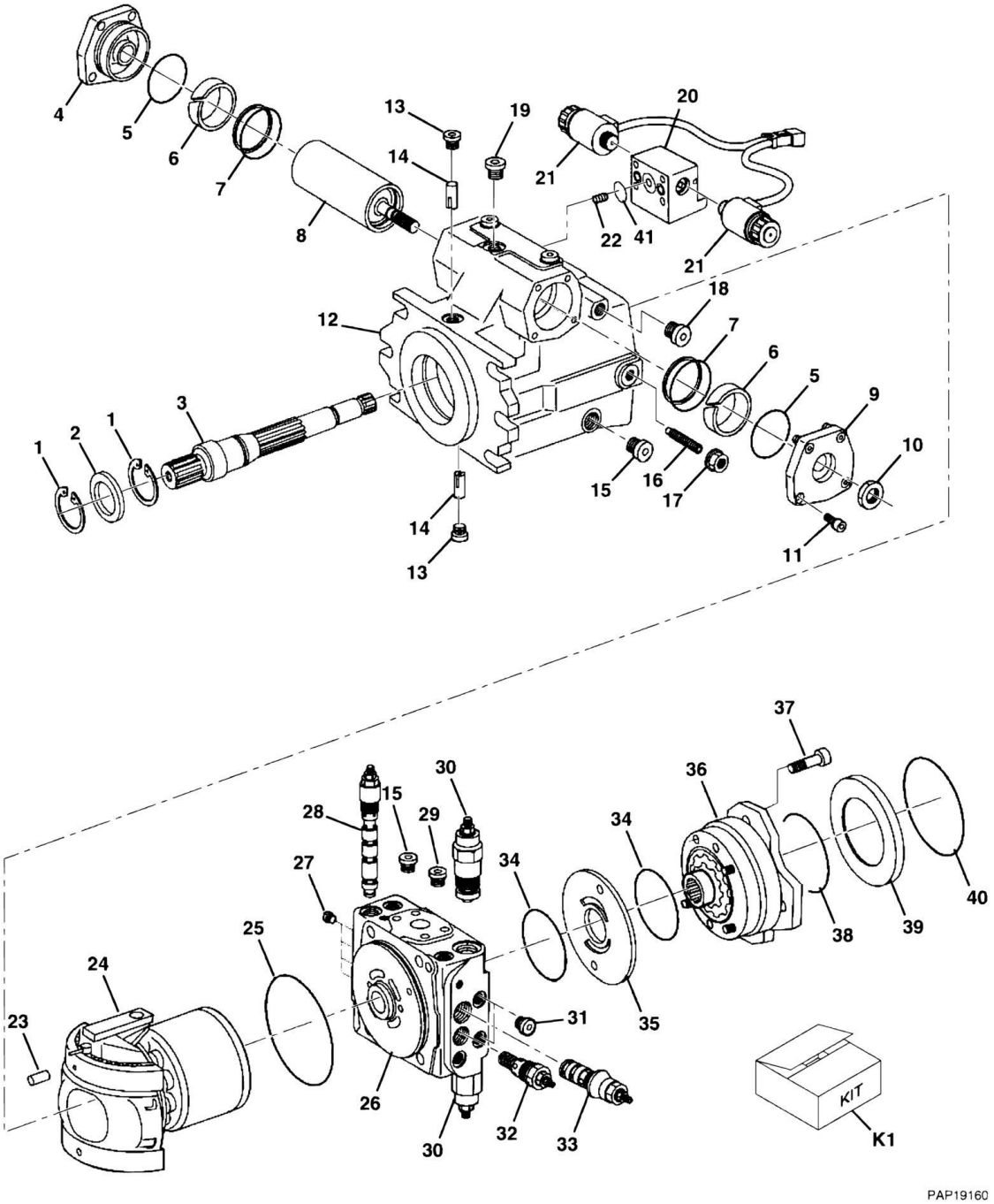


FIGURE 9-35. HYDROSTATIC TRANSMISSION (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91363211	1	HYDROSTATIC TRANSMISSION PUMP, (includes all items)	D
1	Kit	2	RETAINING RING	
2	Kit	1	SHAFT SEAL RING	
3	91404018	1	DRIVE SHAFT	
4	91404019	1	COVER	
5	Kit	2	O-RING	
6	91404020	2	GUIDE RING	
7	Kit	2	TURCON-GLYD RING AND O-RING	
8	91364144	1	STROKING PISTON ASSY	
9	91404028	1	COVER	
10	91404030	1	HEX NUT	
11	70020334	8	SOCKET HD SCREW, M8X20	
12	91404023	1	HOUSING	
13	Kit	2	PLUG	
14	91404021	2	JOINT PIN	
15	Kit	2	PLUG	
16	91404031	1	ECCENTRIC SCREW	
17	Kit	1	SEAL LOCKNUT, M12X1	
18	Kit	1	LOCKING SCREW	
19	Kit	4	LOCKING SCREW	
20	91364145	1	4/3-WAY DIRECTIONAL VALVE, (includes item 21)	
21	91364146	1	SOLENOID PAIR	
22		Ref	THROTTLE SCREW	
23	91404027	2	CLAMPING PIN	
24	91404032	1	ROTARY GROUP, (includes items 1, 2 & 3)	
25	Kit	1	O-RING	
26	91404033	1	PORT BLOCK w/VALVES, (includes items 25 & 27 thru 32)	
27	Kit	4	LOCKING SCREW	
28	91404034	1	P.O.R. VALVE	
29	Kit	1	LOCKING SCREW	
30	70022729	2	RELIEF VALVE	
31	Kit	2	LOCKING SCREW	
32	91144098	1	PRESSURE RELIEF VALVE	
33	91144099	1	CONTROL CARTRIDGE	
34	Kit	2	O-RING	
35		Ref	WEAR PLATE	
36	91164098	1	CHARGE PUMP, (includes items 34, 35 & 37 thru 40)	
37		Ref	SOCKET HD SCREW, M12X30	
38	Kit	1	O-RING	
39	91364148	1	ADAPTER	
40	Kit	1	O-RING	
41	Kit	1	O-RING	
K1	91364143	AR	SEAL KIT, (includes items 1, 2, 5, 7, 13, 15, 17, 18, 19, 25, 27, 29, 31, 33, 34, 38, 40, 41 & additional items not illustrated)	

FIGURE 9-36. TRACTION LOCK VALVE

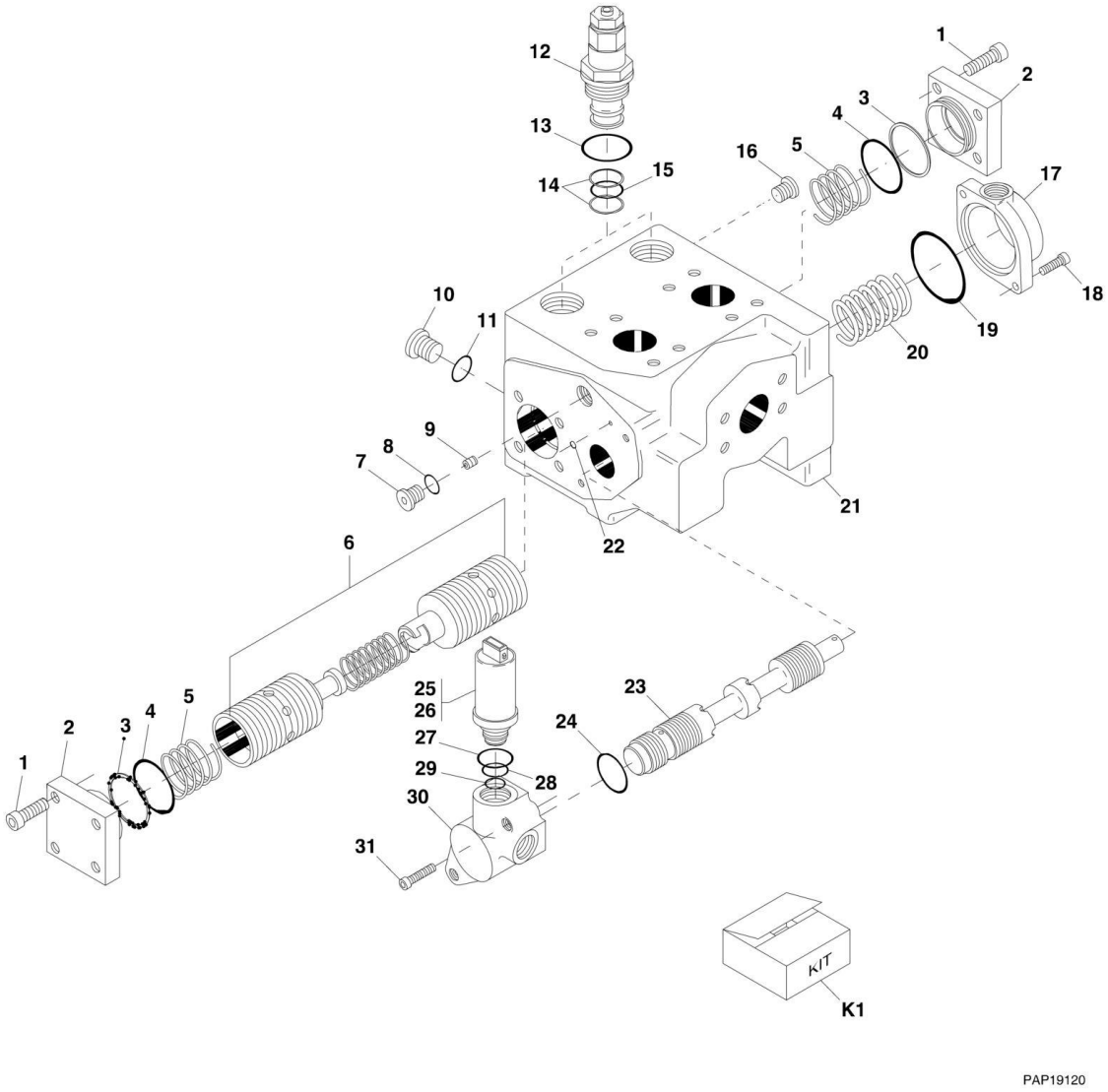


FIGURE 9-36. TRACTION LOCK VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143049	1	TRACTION LOCK VALVE, (includes all items)	I
1	91084285	8	HEX HD CAPSCREW, M10X30	
2	91084286	2	COVER	
3	Kit	2	BACK-UP RING	
4	Kit	2	O-RING	
5	91084289	2	SPRING	
6	N.S.S.	1	SPOOL, (not sold separately, order 91143049)	
7	91084298	1	PLUG, (includes item 8)	
8	Kit	1	O-RING	
9	91084299	1	ORIFICE	
10	91084290	2	PLUG, (includes item 11)	
11	Kit	2	O-RING	
12	91084362	2	RELIEF VALVE CARTRIDGE, (set at 6800 PSI), (includes items 13, 14 & 15)	
13	Kit	2	O-RING	
14	Kit	4	BACK-UP RING	
15	Kit	2	O-RING	
16	Kit	1	PLUG	
17	91144475	1	COVER	
18	91084291	2	HEX HD CAPSCREW, M6X16	
19	Kit	1	O-RING	
20	91084294	1	SPRING	
21	N.S.S.	1	VALVE BODY, (not sold separately, order 91143049)	
22	Kit	1	O-RING	
23	N.S.S.	1	SPOOL, (not sold separately, order 91143049)	
24	Kit	1	O-RING	
25	91084302	1	SOLENOID VALVE, (includes items 27 thru 29)	
26	91144015	1	CONNECTOR	
27	Kit	1	O-RING	
28	Kit	1	O-RING	
29	Kit	1	O-RING	
30	91144474	1	COVER	
31	80934205	2	HEX HD CAPSCREW, M6X30	
K1	91084284	Ref	SEAL KIT, (includes items 3, 4, 8, 11, 13 thru 16, 19, 22, 24, 27, 28 & 29)	

FIGURE 9-37. REAR DRIVE MOTOR

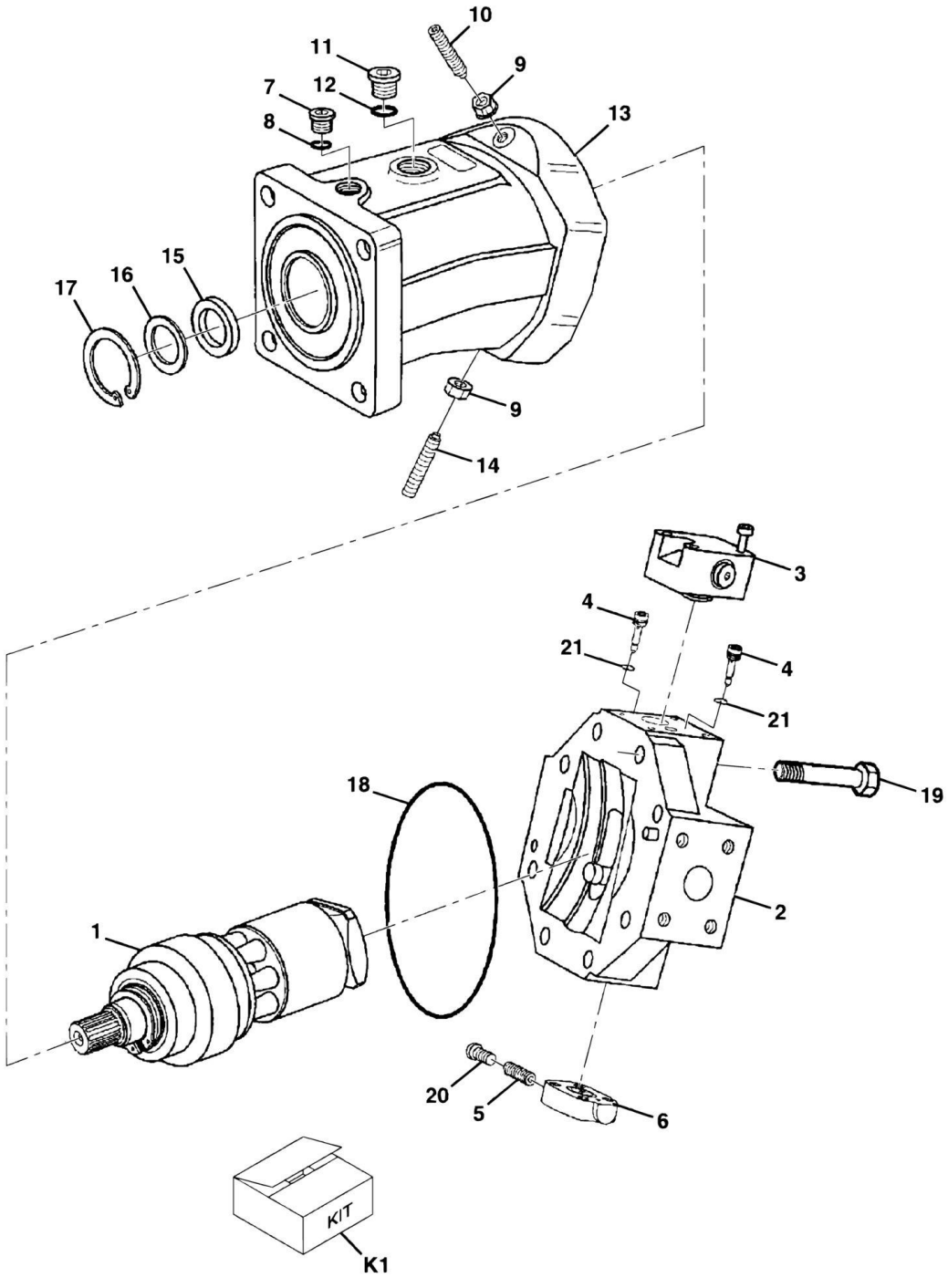


FIGURE 9-37. REAR DRIVE MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163023	Ref	REAR DRIVE MOTOR ASSY, (includes all items)	B
1	91144415	1	ROTARY GROUP	
2	91144416	1	REAR COVER ASSY, (includes item 19)	
3	91144417	1	HZ CONTROL KIT	
4	91144418	2	THREADED PIN	
5	91144419	1	SWIVEL TIME ORIFICE	
6	91144420	1	STROKING PISTON ASSY, (includes item 20)	
7	91094028	1	PLUG, (includes item 8)	
8	Kit	1	O-RING	
9	Kit	2	SEAL NUT, M10	
10	83924121	1	STOP SCREW, (min disp)	
11	91094029	1	PLUG, (includes item 12)	
12	Kit	1	O-RING	
13	91144421	1	HOUSING	
14	83924121	1	STOP SCREW, (max disp)	
15	Kit	1	SHAFT SEAL	
16	91144422	1	SHIM	
17	91144423	1	SNAP RING	
18	Kit	1	O-RING	
19	91144424	8	CAPSCREW, M10X60	
20	91144425	1	PLUG, (includes o-ring)	
21	80434095	2	LOCKNUT SEAL	
K1	91144414	AR	SEAL KIT, (includes items 8, 9, 12, 15, 18, 21 & items not illustrated)	

FIGURE 9-38. TRUSS BOOM WINCH (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

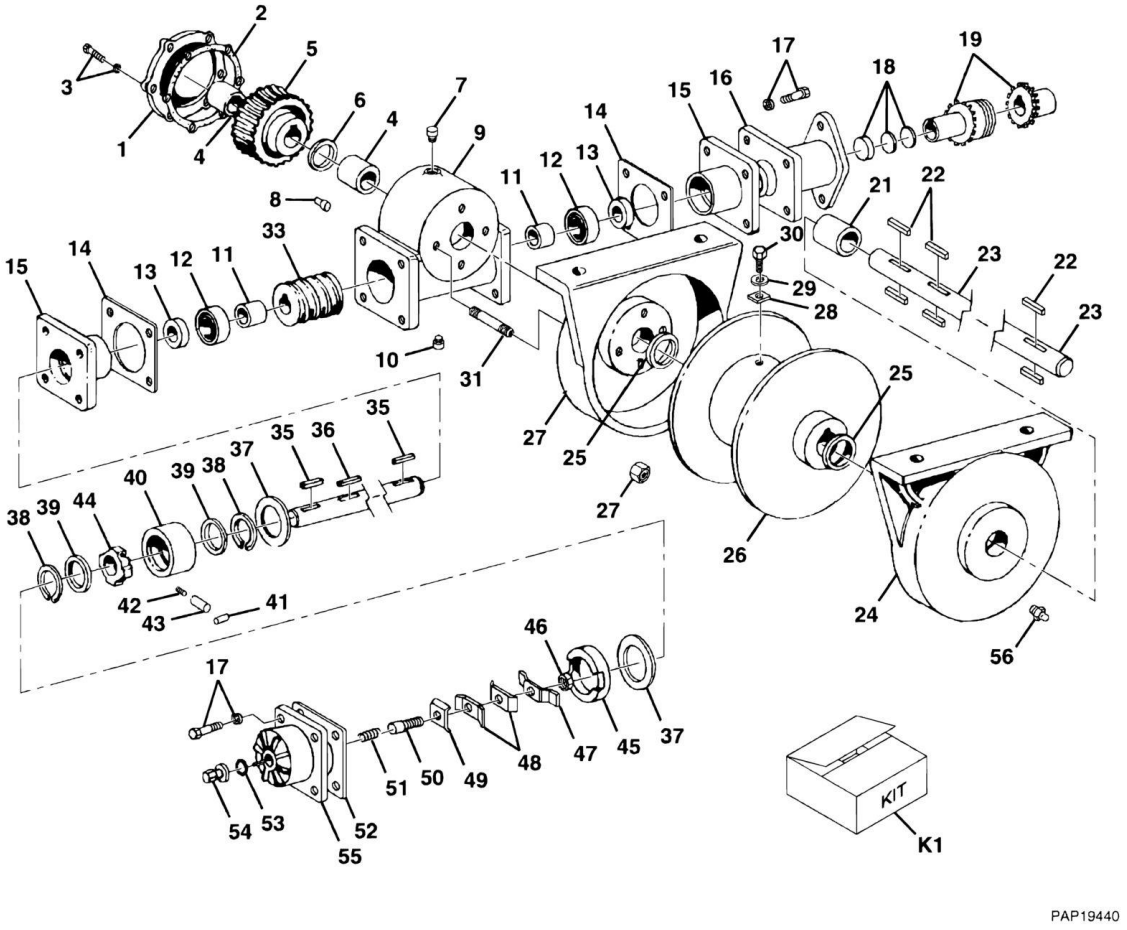


FIGURE 9-38. TRUSS BOOM WINCH (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90453050	Ref	TRUSS BOOM WINCH, (includes all items on this page and on WINCH MOTOR)	B
1	91404388	1	GEAR CASE COVER	
2	91404409	1	GEAR CASE GASKET	
3	88201035	6	HEX HD CAPSCREW, 3/8-16X1, GR5	
3	88551011	6	LOCKWASHER, 3/8	
4	91404394	2	BUSHING	
5	N.S.S.	1	WORM GEAR	
6	91404412	1	BUSHING	
7	N.S.S.	1	OIL FILL PLUG	
8	91404418	1	OIL LEVEL PLUG	
9	91404383	1	GEAR CASE	
10	91404419	1	OIL DRAIN PLUG	
11	91404396	2	COLLAR	
12	91404416	2	BEARING	
13	91404421	2	OIL SEAL	
14	91404408	2	BEARING HUB GASKET	
15	91404420	2	BEARING HUB	
16	N.S.S.	1	MOTOR MOUNT ADAPTER	
17	88201037	12	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
17	88551011	8	LOCKWASHER, 3/8	
18	90208187	AR	COUPLER SPACER	
19	90208181	1	COUPLER WINCH SHAFT	
21	N.S.S.	1	LOCK SEAT BUSHING	
22	91404392	6	CABLE DRUM SHAFT KEY	
23	90208148	1	CABLE DRUM SHAFT, 5 IN	
24	N.S.S.	1	LOCK SET, 8 IN	
25	91404411	2	WASHER	
26	91404386	1	CABLE DRUM, 5 IN	
27	90208143	1	LOCK SET, 5 IN	
28	N.S.S.	1	WIRE ROPE LOCK	
29	88551011	1	LOCKWASHER, 3/8	
30	88201036	1	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
31	91404395	4	STUD BOLT, 1/2-13X1-1/2	
32	88501008	4	HEX NUT, 1/2-13	
33	N.S.S.	1	WORM	
34	91404389	1	WORM SHAFT, (includes item 33)	
35	91404413	2	WORM SHAFT KEY	
36	N.S.S.	1	WORM SHAFT KEY	
37	Kit	2	BRAKE LINING	
38	Kit	2	LOCK RING, (V.C. type)	
39	Kit	2	SEAL	
40	Kit	1	BRAKE HOUSING	
41	Kit	1	ROLLER	
42	Kit	1	BRAKE DRUM HOUSING	
43	Kit	1	SPRING SET	
44	Kit	1	BRAKE DRUM	
45	Kit	1	BRAKE PLATE	
46	88501006	1	HEX NUT, 3/8-16	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	Kit	1	BRAKE PLATE	
48	Kit	2	BRAKE PLATE	
49	Kit	1	FIXING PLATE	
50	Kit	1	ADJUSTING BOLT	
51	Kit	1	SPRING	
52	Kit	1	BRAKE COVER GASKET	
53	Kit	1	O-RING	
54	Kit	1	ADJUSTING NUT	
55	Kit	1	BRAKE DRUM	
56	88671001	1	STRAIGHT LUBE FITTING, 1/8	
K1	70020227	1	BRAKE KIT, (includes items 37 thru 45 & 47 thru 55)	

FIGURE 9-39. WINCH MOTOR (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

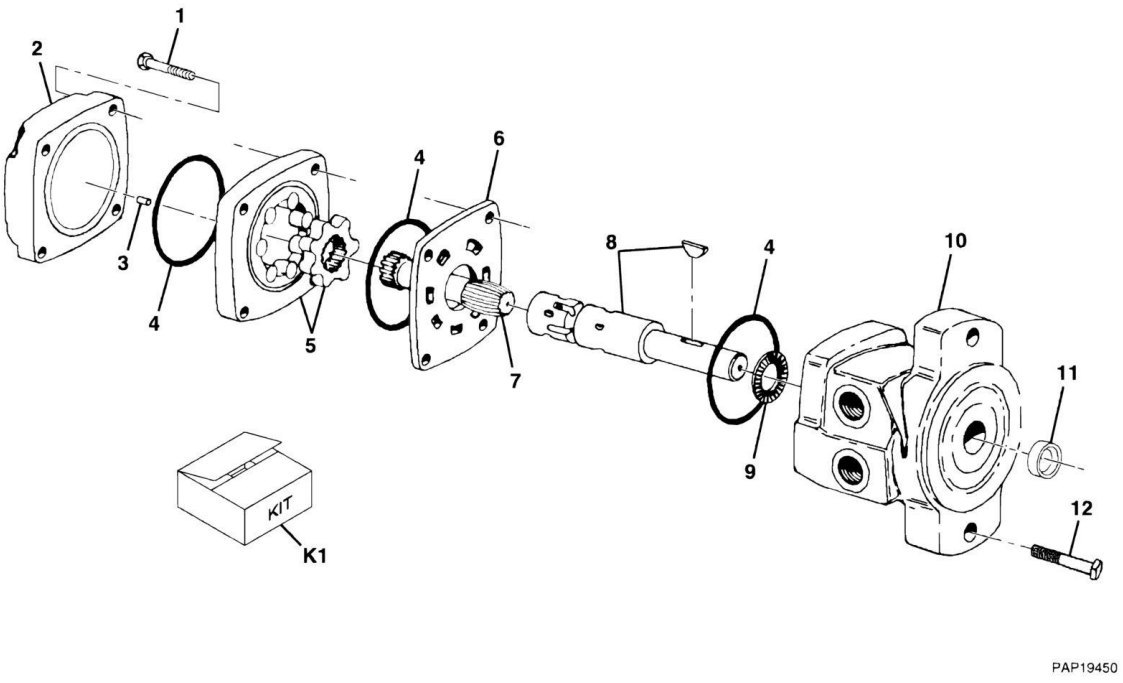


FIGURE 9-39. WINCH MOTOR (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90207879	1	WINCH MOTOR, (includes all items)	C
1	83201057	4	HEX HD CAPSCREW, 3/8-16X2, GR8	
2	7005874	1	END COVER	
3	N.S.S.	1	PIN	
4	Kit	3	SEAL	
5	N.S.S.	1	ROLLER-STATOR ASSY	
6	7005845	1	WEAR PLATE	
7	7005811	1	DRIVE LINK	
8	N.S.S.	1	SHAFT	
9	7005842	1	THRUST BEARING	
10	90208211	1	FRONT HOUSING	
11	Kit	1	SHAFT SEAL	
12	88201066	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
K1	90208212	1	SHAFT SEAL KIT, (includes items 4 & 11)	

FIGURE 9-40. CROSSOVER VALVE

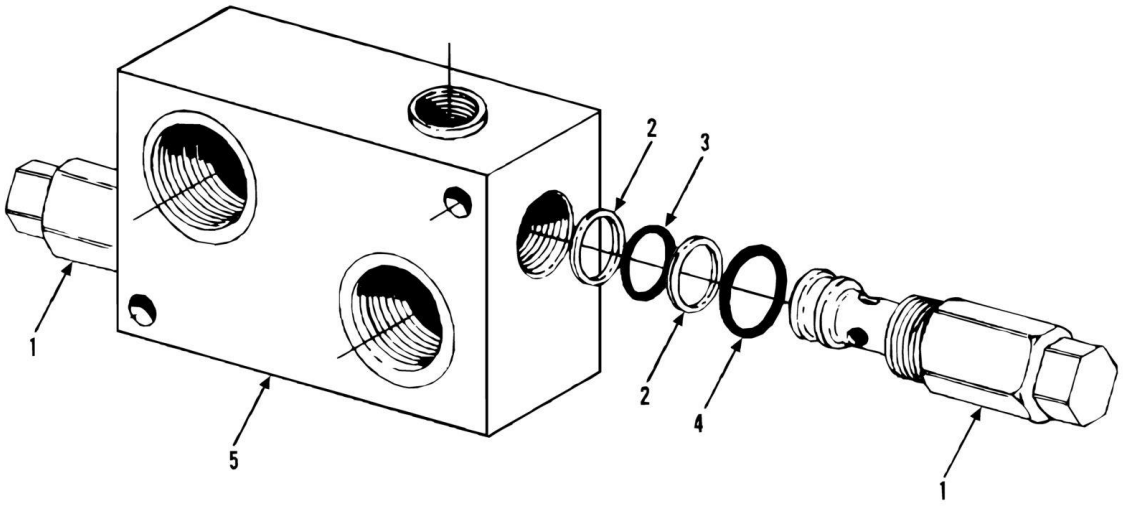


FIGURE 9-40. CROSSOVER VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90602706	1	CROSSOVER RELIEF VALVE, (includes all items)	C
1	90203440	2	RELIEF CARTRIDGE, (includes items 2 thru 4)	
2	N.S.S.	4	BACK-UP RING, (2/cartridge)	
3	N.S.S.	2	O-RING, (1/cartridge)	
4	N.S.S.	2	O-RING, (1/cartridge)	
5	N.S.S.	1	BODY	

FIGURE 9-41. OUTRIGGER VALVE - 534D-10

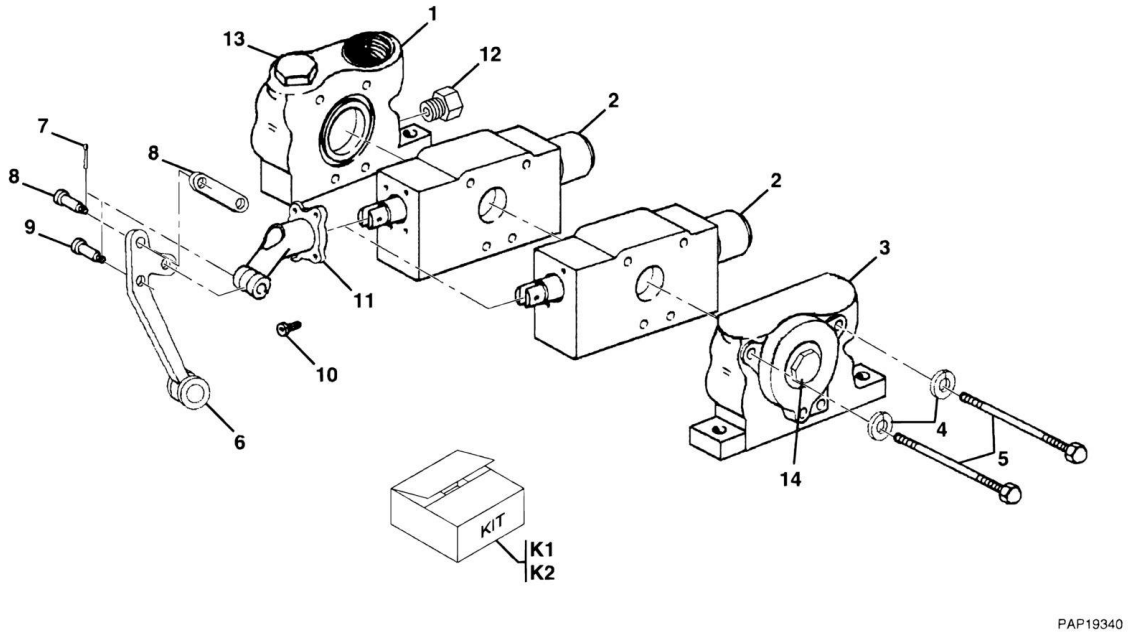


FIGURE 9-41. OUTRIGGER VALVE - 534D-10

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143161	1	OUTRIGGER CONTROL VALVE ASSY-534D-10, (includes all items)	H
1	91144132	1	LEFT END COVER ASSY, (includes items 12 & 13)	
2	91144133	2	VALVE SECTION AND SPOOL ASSY, (not sold separately)	
3	91144134	1	RIGHT END COVER ASSY, (includes item 14)	
4	91144131	4	LOCKWASHER	
5	91144130	4	BOLT	
6	91154007	2	VERTICAL HANDLE	
7	91363036	6	HITCH PIN CLIP	
8	10719505	2	MOUNTING PLATE AND PINS	
9	91144138	2	HANDLE PIN	
10	91144139	8	FILLISTER HD MACHINE SCREW	
11	91144140	2	HANDLE BRACKET	
12	91144480	1	MAIN RELIEF PLUG	
12	91034236	1	SEAL KIT	
13	2220242	1	PLUG	
13	88591209	1	O-RING	
14	7006831	1	PLUG	
K1	91154006	2	HANDLE KIT, (includes items 6 thru 11)	
K2	90206417	AR	VALVE SECTION SEAL KIT, (one kit per section)	

FIGURE 9-42. OPTIONAL STABILIZER VALVE ASSEMBLY (534D-9 SN 0544001 through 0544009; 534D-10 SN 0366001 through 0366233)

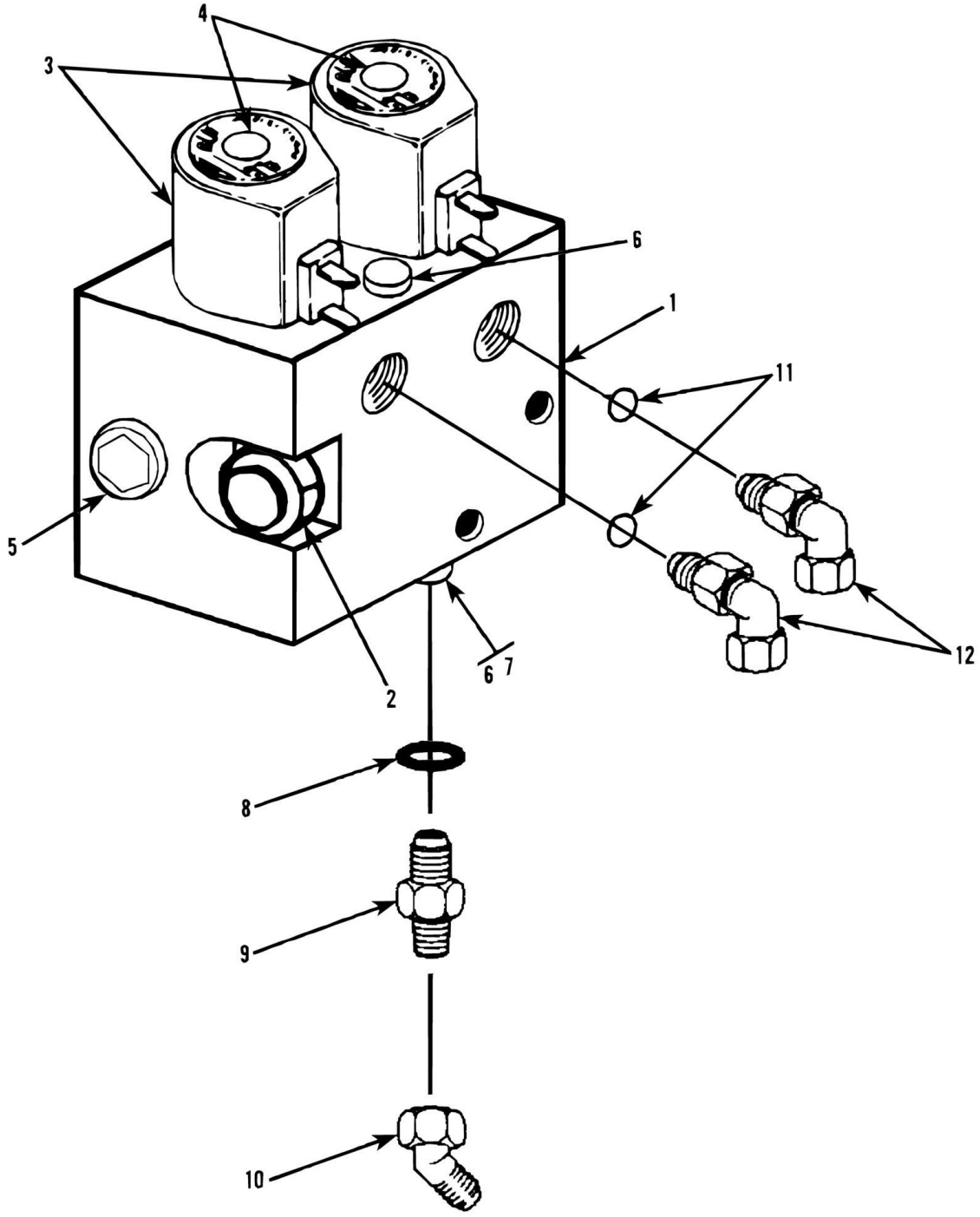


FIGURE 9-42. OPTIONAL STABILIZER VALVE ASSEMBLY (534D-9 SN 0544001 through 0544009; 534D-10 SN 0366001 through 0366233)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91165031	1	STABILIZER VALVE ASSY, (includes all items)	
	91163164	1	STABILIZER VALVE, (includes items 1 thru 7)	
1	N.S.S.	1	VALVE BODY, (not sold separately, order 91163164)	
2	10837580	1	CHECK VALVE	
2	7010543	1	CHECK VALVE SEAL KIT	
3	8036581	2	SOLENOID VALVE	
3	7017496	2	SOLENOID VALVE SEAL KIT	
4	7021610	2	COIL	
5	91164057	1	PORT PLUG	
5	91164058	1	PORT PLUG SEAL	
6	91164059	2	PORT PLUG	
6	91164060	2	PORT PLUG SEAL	
7	91164063	1	ORIFICE PLUG	
8	88591206	1	O-RING	
9	2220374	1	CONNECTOR, (includes item 7)	
10	2220683	1	ELBOW, 45, (swivel nut)	
11	88591205	2	O-RING	
12	2220596	2	ELBOW, 90, (includes item 11)	

FIGURE 9-43. OPTIONAL STABILIZER VALVE ASSEMBLY (534D-9 SN 0544010 to Present; 534D-10 SN 0366234 to Present)

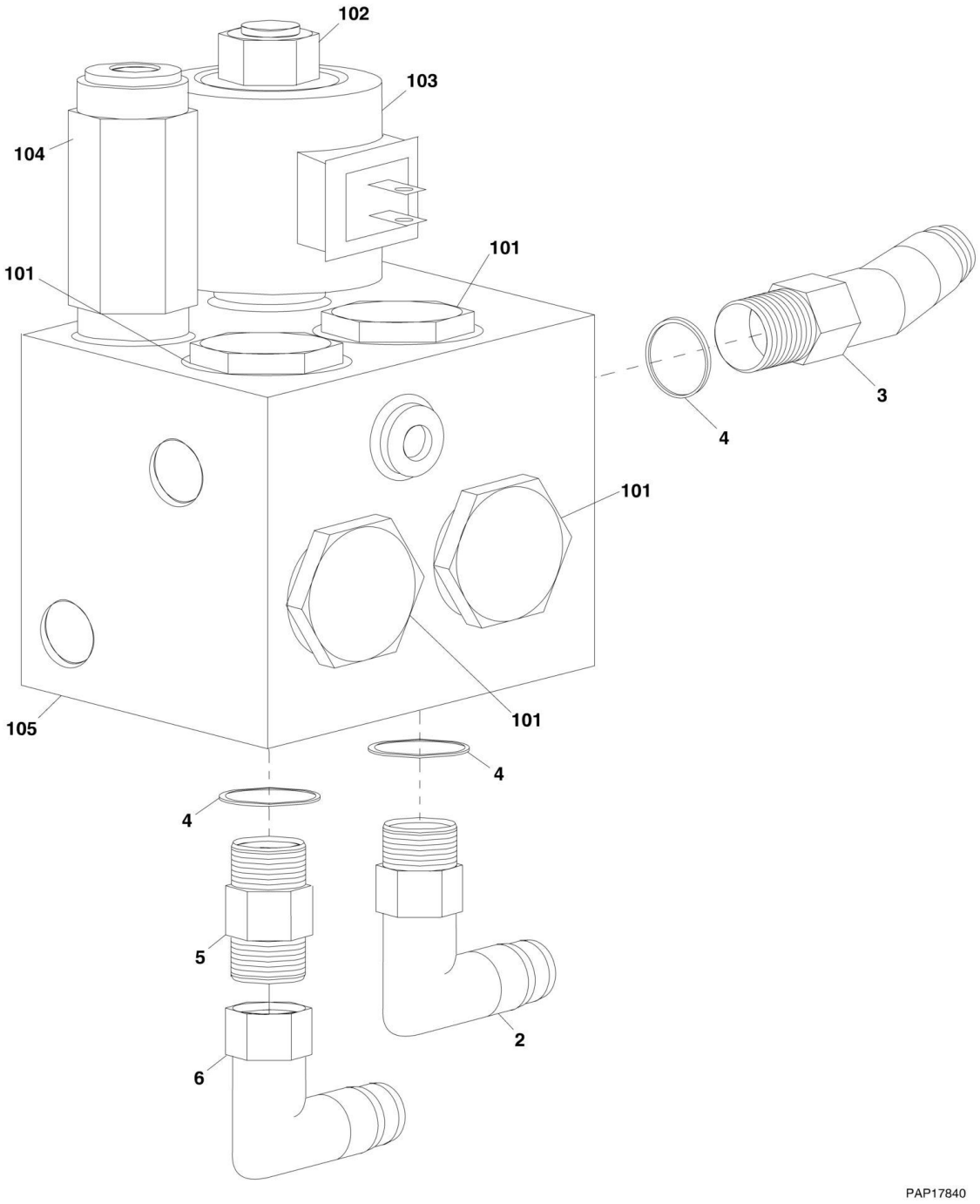


FIGURE 9-43. OPTIONAL STABILIZER VALVE ASSEMBLY (534D-9 SN 0544010 to Present; 534D-10 SN 0366234 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365028	1	STABILIZER VALVE ASSY, (includes all items)	C
	91113003	1	STABILIZER VALVE, (includes items 2 thru 4 & 101 thru 105)	F
2	2220596	1	ELBOW, 90, (includes item 4)	
3	2220500	1	ELBOW, 45, (includes item 4)	
4	88591205	3	O-RING	
5	2220373	1	CONNECTOR, (includes item 4)	
6	8765204	1	ELBOW, 90, (swivel nut)	
101	7017478	4	CARTRIDGE	
101	7017477	4	SEAL KIT	
102	7012910	1	CARTRIDGE	
102	7017496	1	SEAL KIT	
103	7000645	1	COIL, 12V, DUAL SPADES	
104	70024348	1	RELIEF VALVE	
104	7017496	1	SEAL KIT	
105	N.S.S.	1	VALVE BODY	

FIGURE 9-44. STABILIZER CYLINDER (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 016001731)

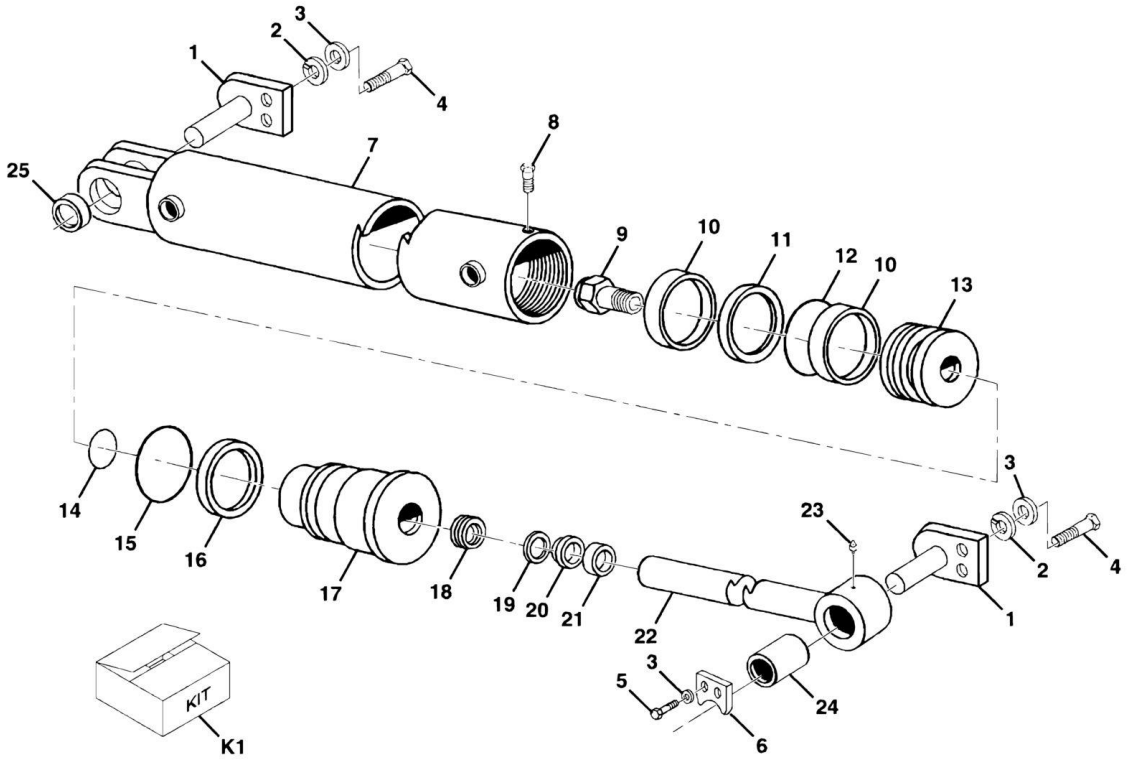


FIGURE 9-44. STABILIZER CYLINDER (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 016001731)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163045	1	STABILIZER CYLINDER, (includes all items except 1 thru 5)	J
1	91166062	2	CYLINDER PIN	
2	88551013	4	LOCKWASHER, 1/2	
3	88561111	6	FLAT WASHER, 1/2	
4	88201066	4	HEX HD CAPSCREW,1/2-13X1-1/4, GR5	
5	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
6	91161269	2	PIN KEEPER	
7	91164028	1	CASE ASSY	
8	91124096	1	CAPSCREW	
9	91064017	1	LOCKNUT	
10	Kit	2	WEAR RING	
11	Kit	1	PISTON SEAL	
12	Kit	1	O-RING	
13	91044033	1	PISTON	
14	Kit	1	O-RING	
15	Kit	1	O-RING	
16	Kit	1	BACK-UP RING	
17	91144034	1	CYLINDER HEAD	
18	Kit	1	WEAR RING	
19	Kit	1	STEP SEAL	
20	Kit	1	U-CUP	
21	91124103	1	WIPER	
22	91164029	1	SHAFT ASSY	
23	91144128	1	GREASE FITTING	
24	91164030	1	BUSHING	
25	91164031	2	BUSHING	
K1	91144005	Ref	SEAL KIT, (includes items 10, 11, 12, 14, 15, 16, 18, 19 & 20)	

FIGURE 9-45. STABILIZER CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)

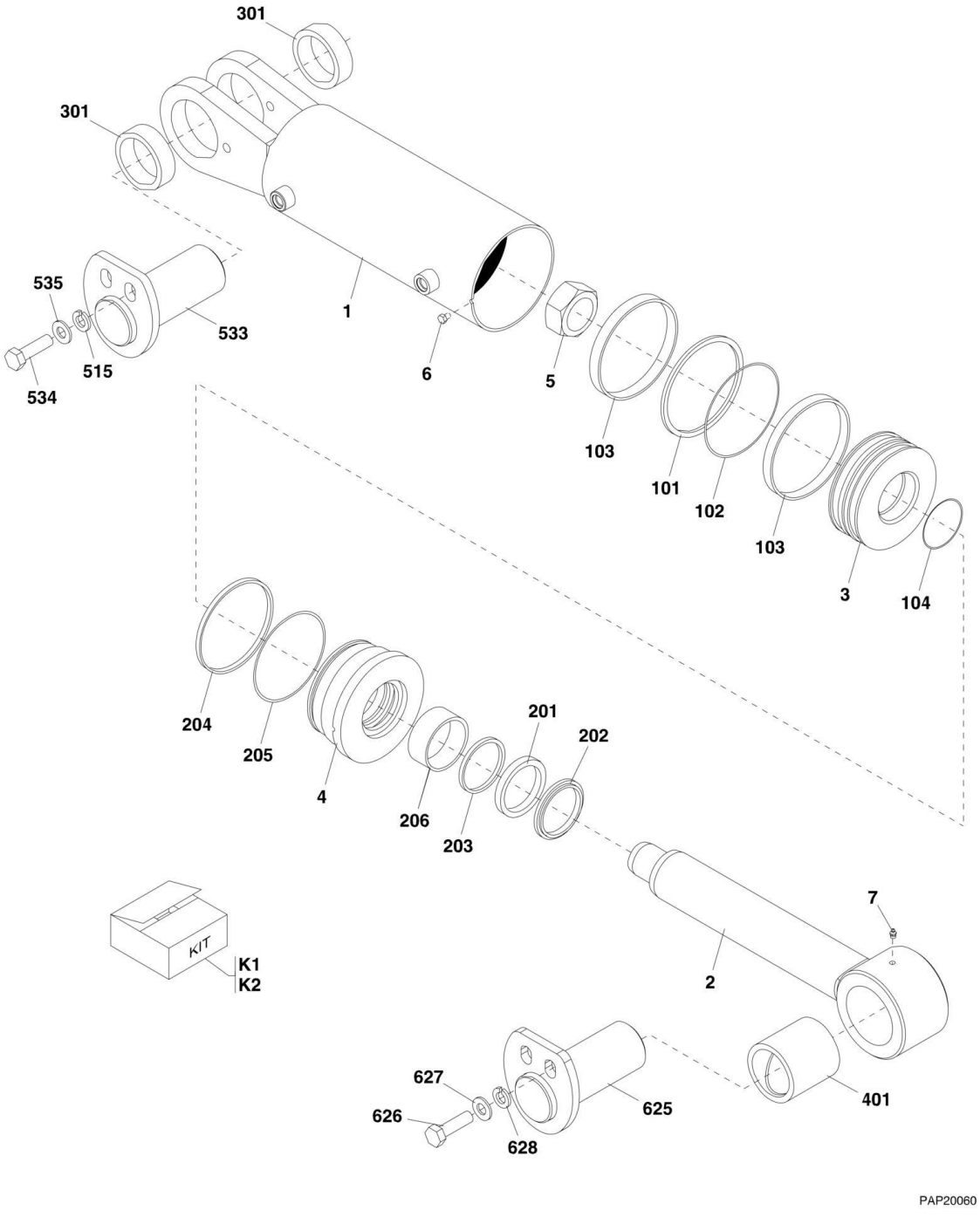


FIGURE 9-45. STABILIZER CYLINDER (534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91343234	1	STABILIZER CYLINDER, (includes items 1 thru 401)	B
1	7029955	1	BARREL ASSY, (includes item 301)	
2	7029956	1	ROD ASSY, (includes item 401)	
3	7029957	1	PISTON ASSY, (includes items 101 thru 104)	
4	7029958	1	ROD BEARING ASSY, (includes items 201 thru 206)	
5	91044206	1	NUT	
6	7029760	1	CAPSCREW	
7	91044080	1	GREASE FITTING	
101	Kit	1	PISTON SEAL	
102	Kit	1	O-RING	
103	Kit	2	WEAR RING	
104	Kit	1	O-RING	
201	Kit	1	ROD SEAL	
202	Kit	1	WIPER	
203	Kit	1	BUFFER SEAL	
204	Kit	1	O-RING	
205	Kit	1	BACK-UP RING	
206	Kit	1	WEAR RING	
301	7029979	2	BUSHING	
401	7029978	1	BUSHING	
515	4761800	2	LOCKWASHER, 1/2	
533	91166062	1	CYLINDER PIN	
534	0641810	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
535	4711800	2	FLAT WASHER, 1/2	
625	91166062	1	CYLINDER PIN	
626	88201066	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
627	88551013	2	FLAT WASHER, 1/2	
628	88561111	2	LOCKWASHER, 1/2	
K1	7029976	1	PISTON SEAL KIT, (includes items 101 thru 104)	
K2	7029977	1	ROD BEARING SEAL KIT, (includes items 201 thru 206)	

FIGURE 9-46. QUICK START CYLINDER AND VALVE ASSEMBLY

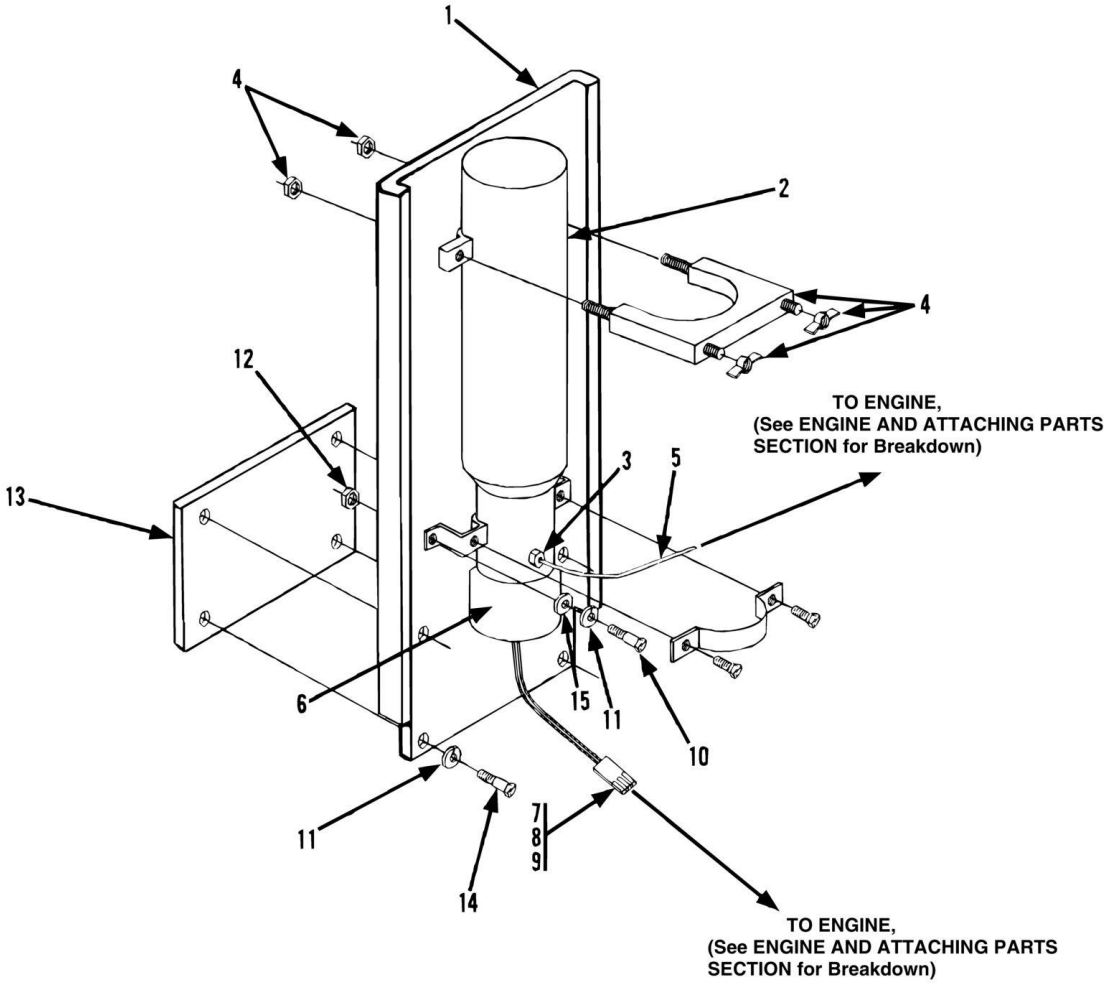


FIGURE 9-46. QUICK START CYLINDER AND VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345005	1	QUICK START CYL AND VALVE ASSY, (includes all items except items 5, 13, 14 & 4 of item 11)	B
1	91081601	1	MOUNTING BRACKET	
2	83953028	1	ETHER CYLINDER	
3	91363026	1	VALVE FITTING	
4	91363027	1	CYLINDER CLAMP	
5	91363028	1	NYLON TUBE	
6	91363030	1	VALVE, (includes valve brace)	
7	80963058	1	SHROUD CONNECTOR	
8	80963069	2	MALE PIN TERMINAL	
9	80963065	2	CABLE SEAL	
10	88201003	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
11	88551009	6	LOCKWASHER, 1/4	
12	88501004	2	HEX NUT, 1/4-20	
13	91341001	1	MOUNTING BAR	
14	88201001	4	HEX HD CAPSCREW, 1/4-20X1/2, GR5	
15	88561107	2	FLAT WASHER, #2	

FIGURE 9-47. 180, SWING CARRIAGE CYLINDER

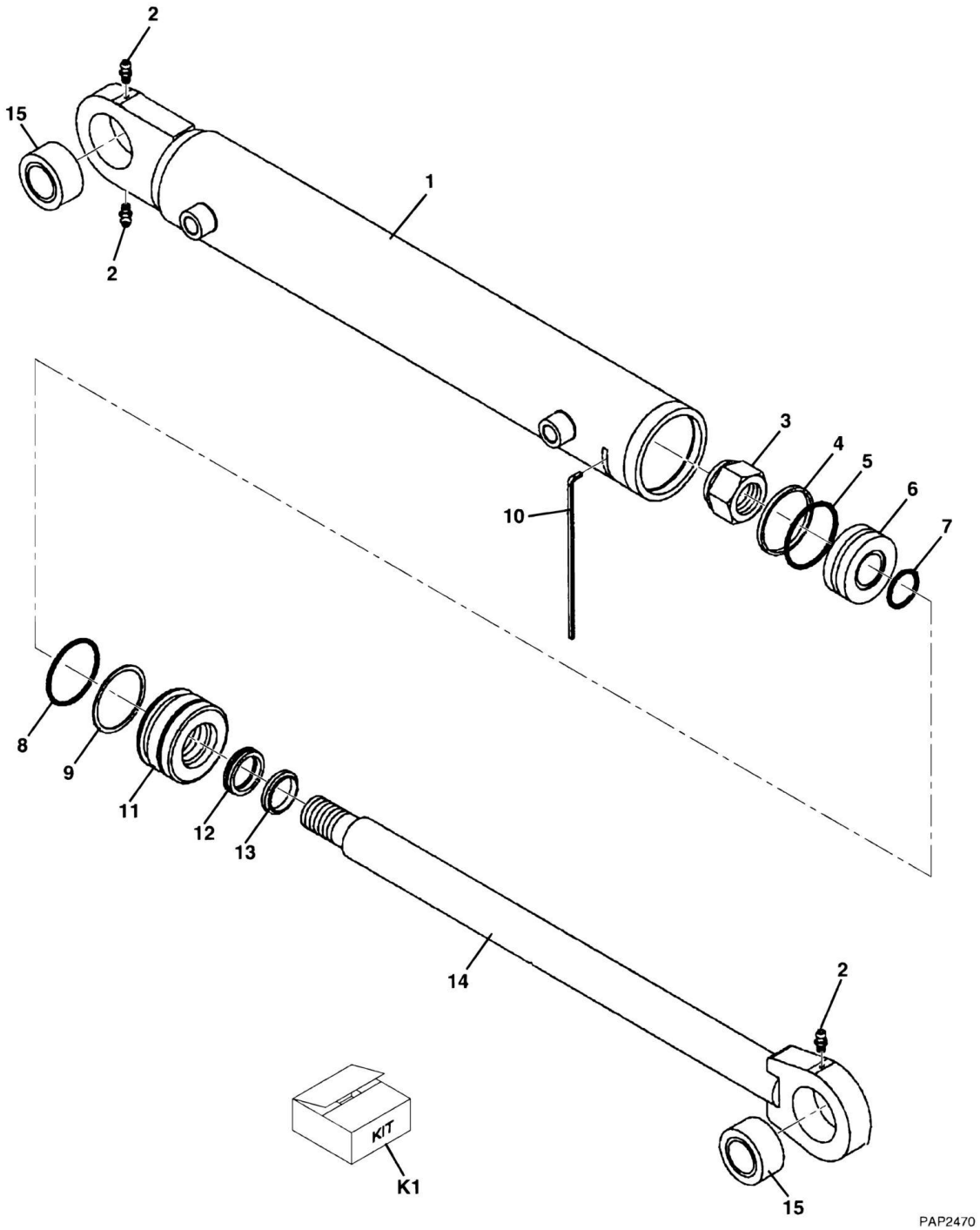


FIGURE 9-47. 180, SWING CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7029995	1	180, SWING CARRIAGE CYLINDER, (includes all items)	
1	70021441	1	BARREL ASSY	
2	90554045	3	GREASE FITTING	
3	70021440	1	HEX NUT	
4	Kit	1	PISTON RING	
5	Kit	1	O-RING	
6	70021976	1	PISTON	
7	Kit	1	O-RING	
8	Kit	1	O-RING	
9	Kit	1	BACK-UP WASHER	
10	Kit	1	RETAINER RING	
11	70021443	1	GLAND	
12	Kit	1	POLY-PAK SEAL, TYPE B	
13	Kit	1	ROD WIPER	
14	70021442	1	ROD ASSY	
15	90554046	2	BUSHING	
K1	70021453	1	SEAL KIT, (includes items 4, 5, 7 thru 10, 12 & 13)	

FIGURE 9-48. 72 IN 90, SWING CARRIAGE CYLINDER

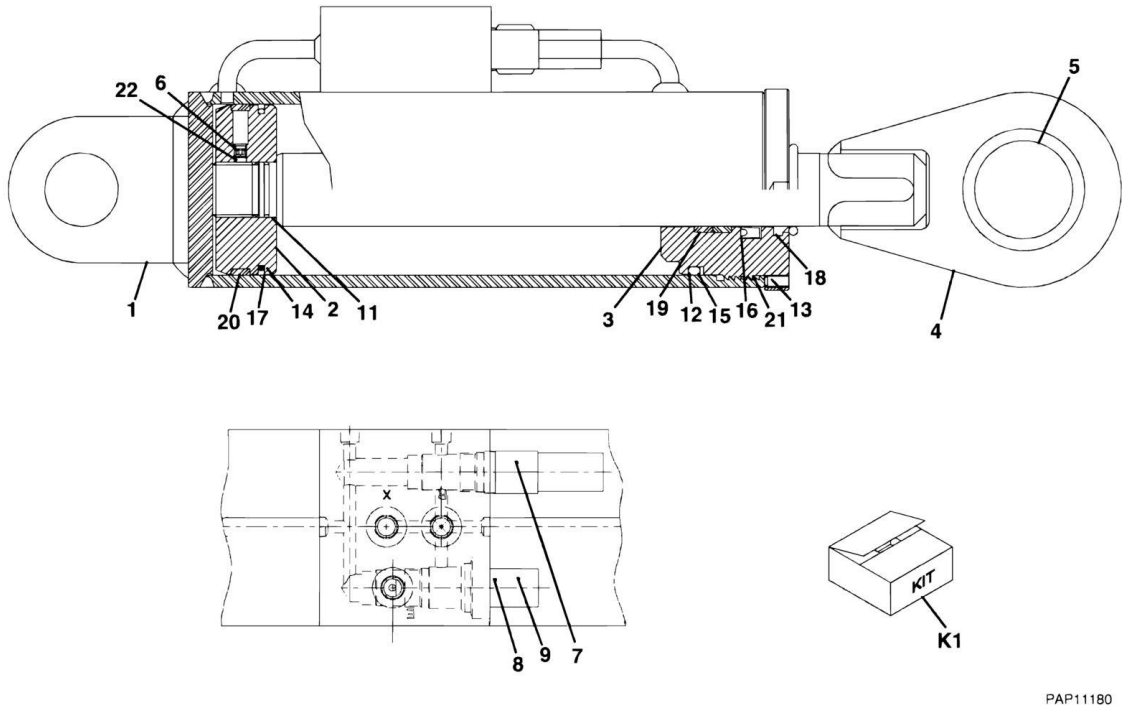


FIGURE 9-48. 72 IN 90, SWING CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103182	1	SWING CARRIAGE CYLINDER, (includes items 1 thru 22)	B
1	70022044	1	TUBE ASSY	
2	8035863	1	PISTON	
3	8035862	1	HEAD GLAND	
4	70022045	1	ROD ASSY	
5	70022046	1	BEARING	
6	8035536	2	SET SCREW, 5/16-18X1/2	
7	70020428	1	RELIEF VALVE, (preset to 2000 psi)	
7	7024574	1	SEAL KIT	
8	8033786	1	COUNTER BALANCE VALVE, (preset to 3000 psi)	
8	8205655	1	SEAL KIT	
9	70021812	1	TAMPERROOF CAP	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	O-RING	
14	Kit	1	SQUARE RING	
15	Kit	1	BACK-UP RING	
16	Kit	1	SEAL	
17	Kit	1	PISTON SEAL	
18	Kit	1	ROD WIPER	
19	Kit	2	WEARBAND	
20	Kit	1	WEARBAND	
21	Kit	2	LOCKING INSERT	
22	Kit	2	LOCKING INSERT	
K1	2915023	1	SEAL KIT, (includes items 11 thru 22)	

FIGURE 9-49. SIDE TILT CARRIAGE CYLINDER

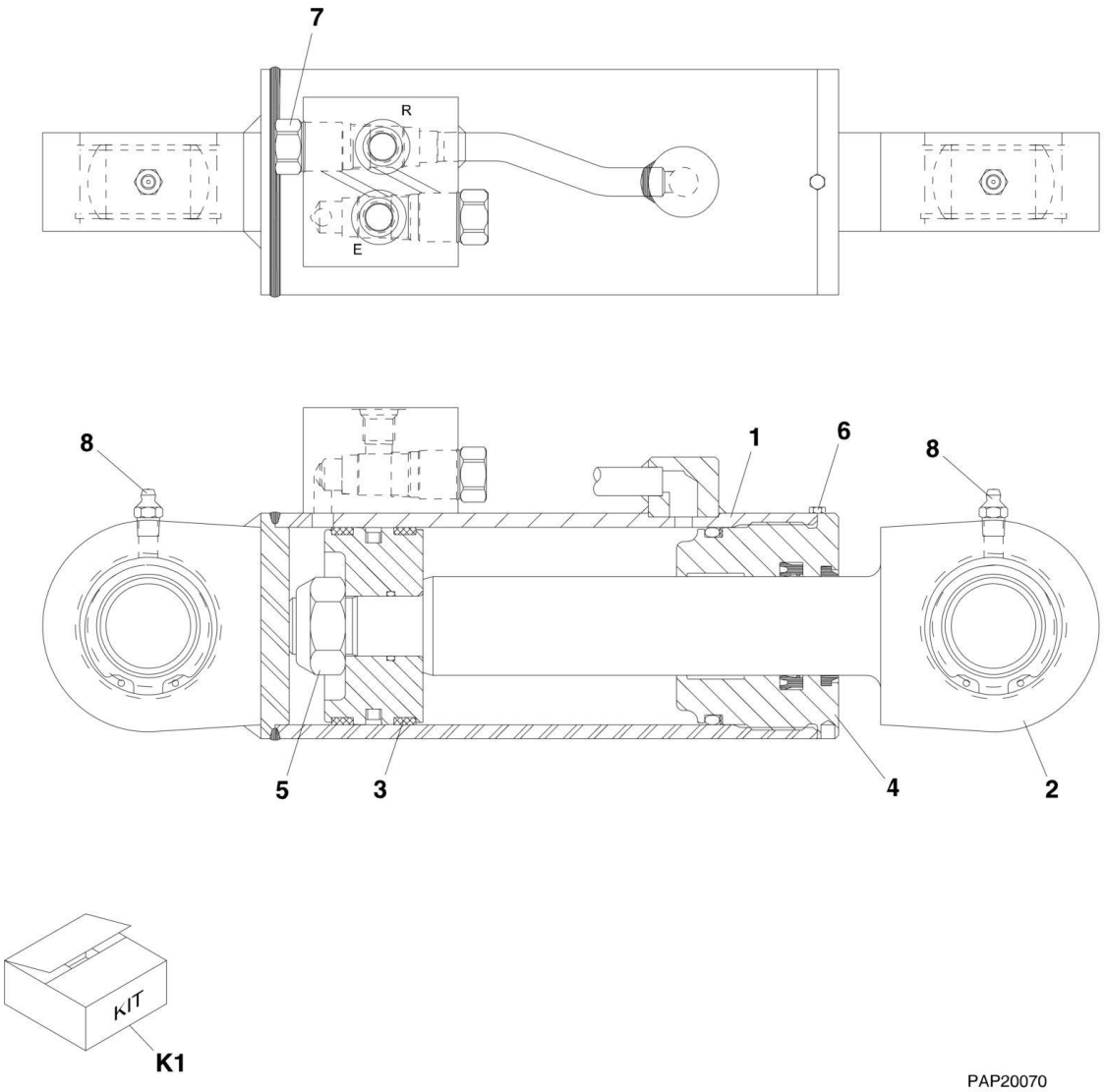


FIGURE 9-49. SIDE TILT CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001090134	NLA	SIDE TILT CARRIAGE CYLINDER, (no longer available, see items 1 thru 8 for service or 1001163414 for replacement)	C
1	70022038	1	BARREL ASSY	
2	70022039	1	ROD ASSY	
3	70022040	1	PISTON	
3	70022042	1	SEAL KIT	
4	70021908	1	ROD BEARING	
4	70022043	1	SEAL KIT	
5	90022230	1	HEX NUT	
6	7029760	1	CAPSCREW	
7	4640438	2	CHECK VALVE	
7	2900770	1	SEAL KIT	
8	91044080	2	GREASE FITTING	
K1	70022041	1	SEAL KIT, (contains 70022042 & 70022043)	

FIGURE 9-50. SIDE TILT CARRIAGE CYLINDER

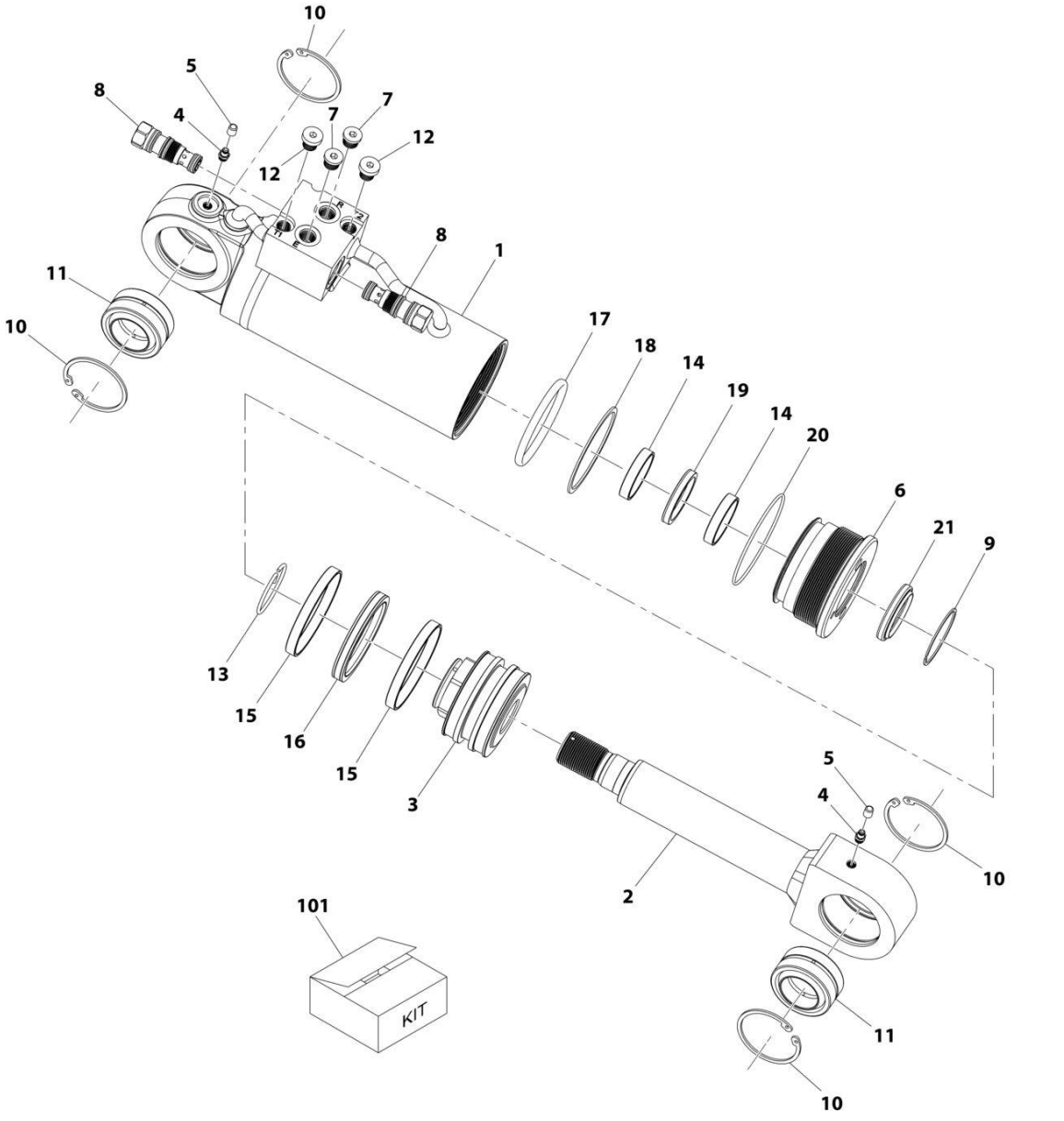


FIGURE 9-50. SIDE TILT CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163414	Ref	SIDE TILT CARRIAGE CYLINDER, (includes all items)	A
1	70026056	1	BARREL	
2	70026057	1	ROD	
3	70026058	1	HEAD, PISTON	
4	70025606	2	NIPPLE, GREASE	
5	70024020	2	FITTING, GREASE	
6	70003849	1	GLAND	
7	70025959	2	PLUG	
8	70026059	2	VALVE, P.O. CHECK	
9	70002219	1	RING, INTERNAL SNAP	
10	70026060	4	RING, INTERNAL SNAP	
11	70026061	2	BEARING, SPHERICAL	
12	70024262	2	PLUG	
13	70002224	1	RING, LOCKING	
14	Kit	2	RING, ROD BEARING	
15	Kit	2	RING, PISTON BEARING	
16	Kit	1	SEAL, PISTON	
17	Kit	1	O-RING	
18	Kit	1	RING, BACK-UP	
19	Kit	1	SEAL, ROD	
20	Kit	1	O-RING	
21	Kit	1	SEAL, WIPER	
101	70026062	1	SEAL KIT, (includes items 14 thru 21)	

FIGURE 9-51. GRAPPLE BUCKET CYLINDER

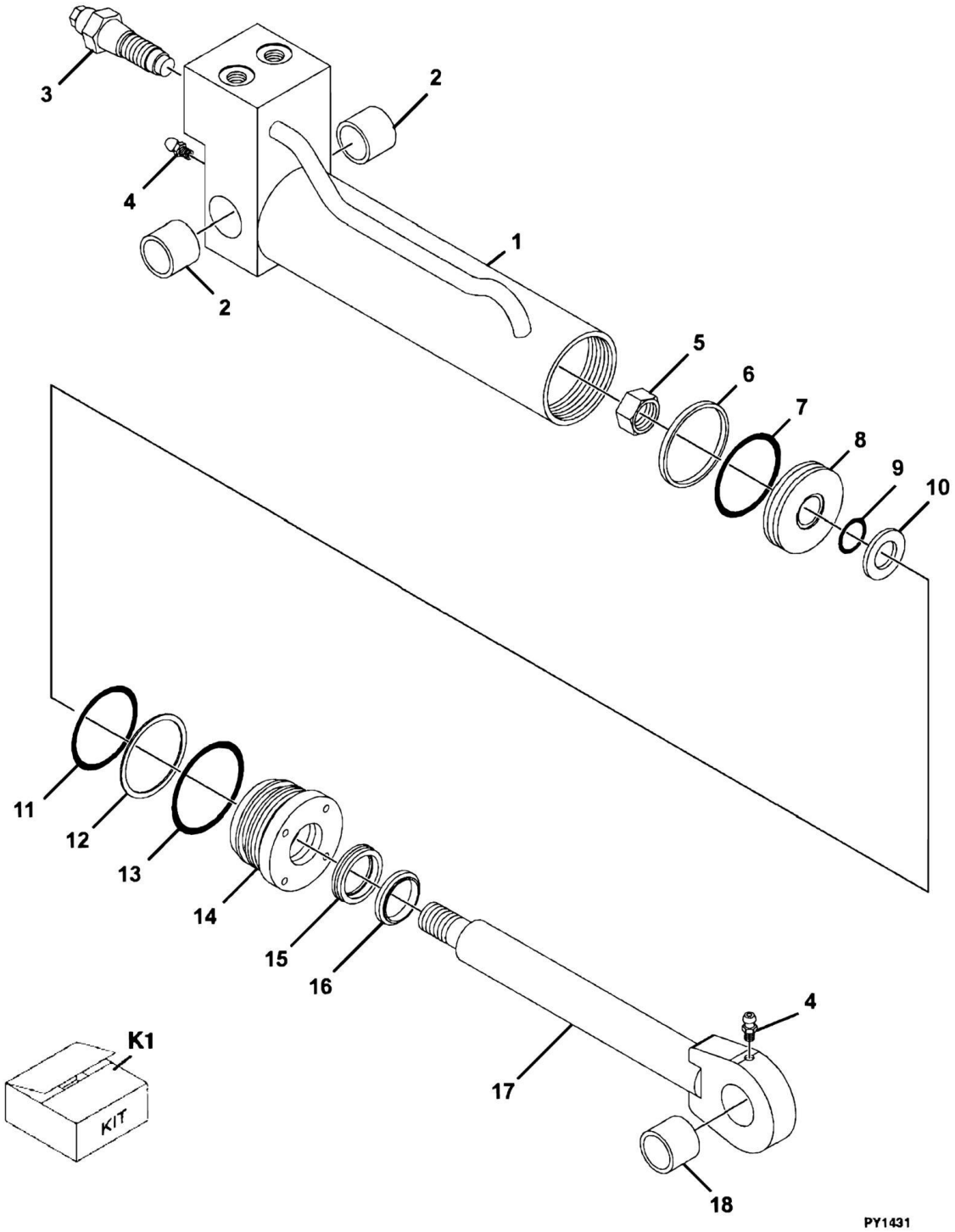


FIGURE 9-51. GRAPPLE BUCKET CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021393	1	GRAPPLE BUCKET CYLINDER, (includes all items)	
1	70021465	1	CYLINDER TUBE	
2	70021448	2	BUSHING	
3	70021464	2	VALVE CARTRIDGE	
4	90554045	2	GREASE FITTING	
5	70021440	1	HEX NUT	
6	Kit	1	PISTON RING	
7	Kit	1	O-RING	
8	70021451	1	PISTON	
9	Kit	1	O-RING	
10	70021444	1	WASHER	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP WASHER	
13	Kit	1	O-RING	
14	70021446	1	CYLINDER GLAND	
15	Kit	1	POLY-PAK SEAL	
16	Kit	1	ROD WIPER	
17	70021466	1	PISTON ROD	
18	70021447	1	BUSHING	
K1	70021452	1	SEAL KIT, (includes items 6, 7, 9, 11 thru 13, 15 & 16)	

SECTION 10 - ELECTRICAL

FIGURE 10-1. BATTERY AND CABLES (534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)

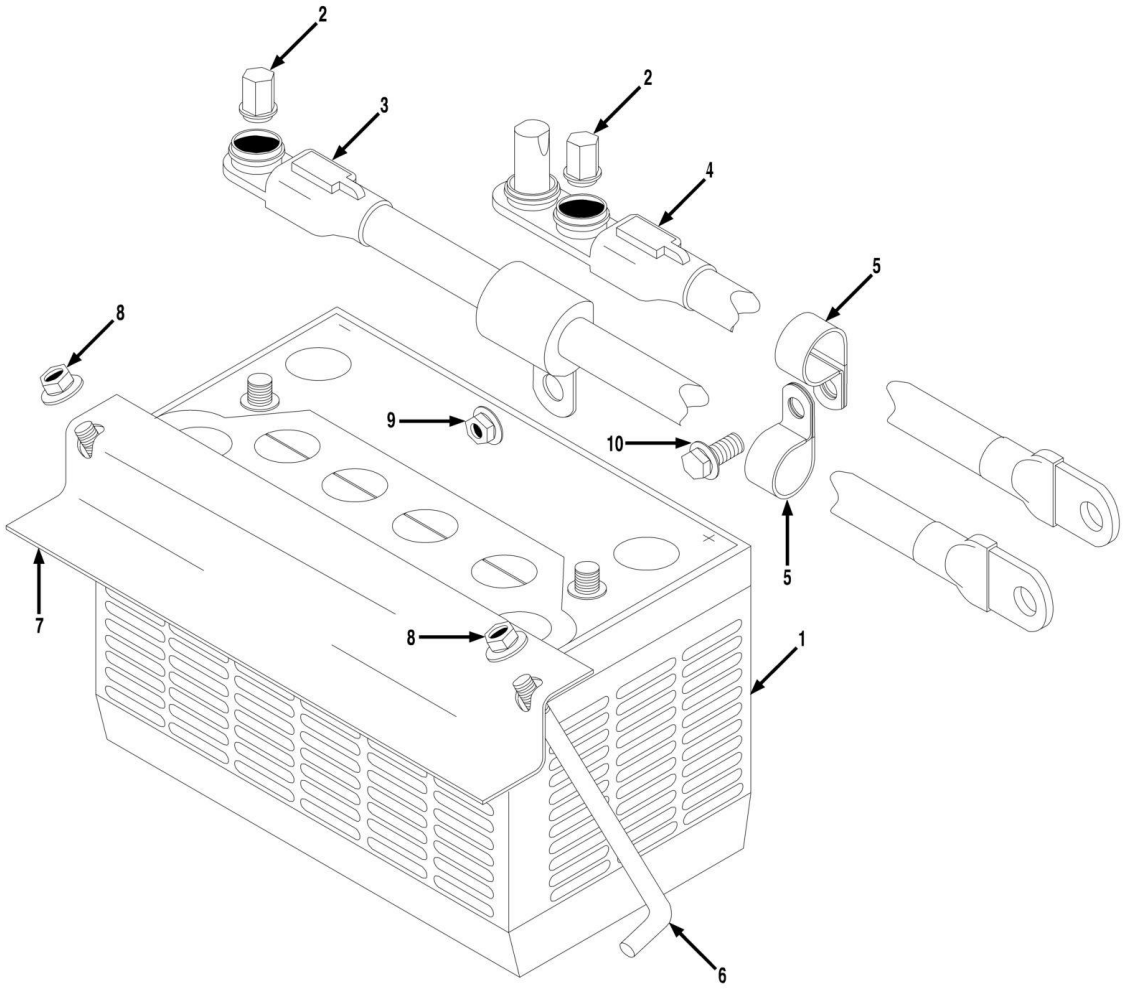
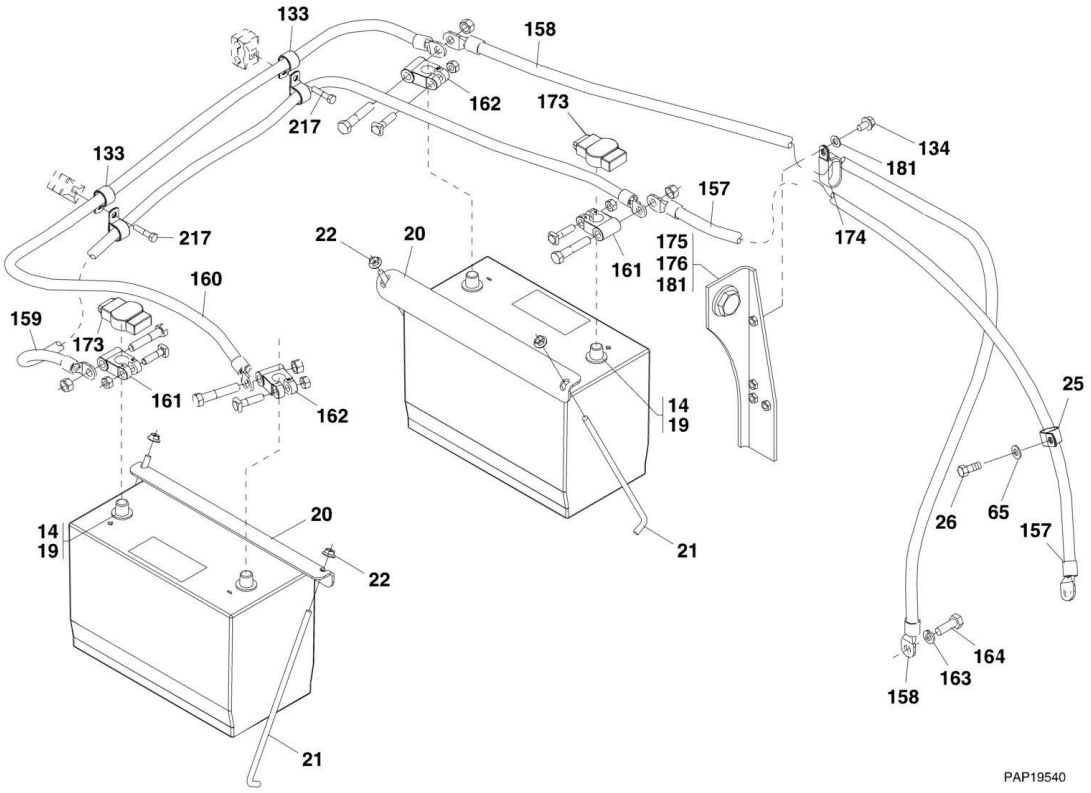


FIGURE 10-1. BATTERY AND CABLES (534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91083483	1	BATTERY, (12 volt, 1000 amps), TOP STUD, 3/8-16 UNC THREAD,BCI GROUP 31	C
2	77383567	2	BATTERY POST TERMINAL	
3	91143124	1	NEGATIVE BATTERY CABLE	
4	91473228	1	POSITIVE BATTERY CABLE	
5	85941017	4	SUPPORT CLAMP	
6	91081640	2	HOLD DOWN STUD	
7	91141429	1	BATTERY HOLD DOWN	
8	77143006	2	WHIZ-LOCKNUT, 5/16-18	
9	77143015	2	WHIZ-LOCKNUT, 3/8-16	
10	77143003	2	WHIZ-LOCK SCREW, 5/16-18X5/8	
10	14403416	AR	DI-ELECTRIC GREASE, (add to caps of jump terminals on battery cables)	

FIGURE 10-2. BATTERY AND CABLES (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)



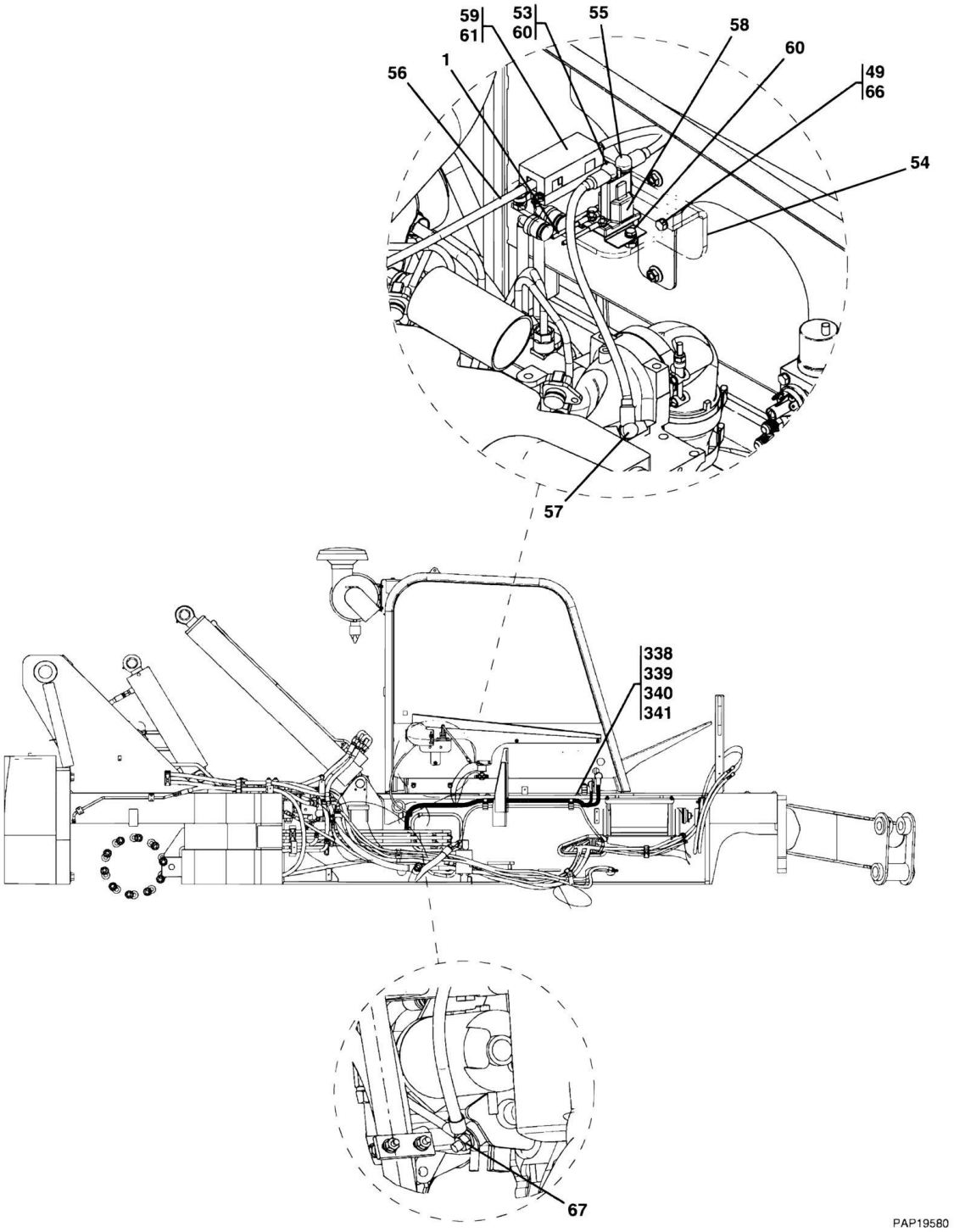

59
61
53
60
55
58
60
49
66
1
56
54
57
338
339
340
341
67
PAP19580

FIGURE 10-2. BATTERY AND CABLES (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	ECU ENGINE HARNESS, (See ECU ENGINE HARNESS for Breakdown)	
14	14403416	AR	DI-ELECTRIC GREASE	
19	0400075	2	BATTERY, (12 volt)	
20	91401281	2	BATTERY HOLD DOWN	
21	91081640	4	HOLD DOWN BOLT	
22	77143006	4	WHIZ-LOCKNUT, 5/16-18	
25	85841150	1	SUPPORT CLAMP	
26	0791605	1	SCREW, 3/8-16X5/8	
49	4761400	2	WASHER, 1/4	
53	8307219	4	WASHER, M6	
54	1001102112	1	COLD START RELAY BRACKET	
55	7301448	1	GRID HEATER CABLE, FUSE TO RELAY	
56	7301524	1	GRID HEATER CABLE, BATTERY TO FUSE	
57	7301525	1	GRID HEATER CABLE, RELAY TO GRID HEATER	
58	8225122	1	RELAY, 12VDC	
59	8229260	1	FUSE HOLDER	
60	8303545	4	HEX HD CAPSCREW, M6X1X14	
61	1001095336	1	FUSE, 150A	
65	4711600	1	WASHER, 3/8	
66	0641405	2	HEX HD CAPSCREW, 1/4-20X5/8	
67	3291001	1	HEX NUT, M10X1.5	
133	85941017	4	P-CLAMP	
134	0791605	2	WHIZ-LOCK SCREW, 3/8-16X5/8	
157	1001099177	1	BATTERY CABLE, (positive)	
158	1001099178	1	BATTERY CABLE, (negative)	
159	1001099222	1	BATTERY CABLE, (positive)	
160	1001099265	1	BATTERY CABLE, (negative)	
161	8270148	2	BATTERY CLAMP, (positive)	
162	8270147	2	BATTERY CLAMP, (negative)	
163	83191010	1	LOCKWASHER, 12mm	
164	0761215	1	HEX HD CAPSCREW, 12X35mm	
173	7301893	2	BATTERY TERMINAL, INSULATOR	
174	10837368	1	DOUBLE TUBE CLAMP	
175	0641608	2	HEX HD CAPSCREW, 3/8-16X1	
176	1001104987	1	RH RADIATOR, MOUNT ASSY	
181	4751600	3	WASHER, 3/8	
217		Ref	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
338	85941017	2	SUPPORT CLAMP	
339	0641511	2	HEX HD CAPSCREW, 5/16-18X1-3/8	
340	77133139	2	CLAMP SET	
341	77133140	2	COVER PLATE	

FIGURE 10-3. ENGINE HARNESS ASSEMBLY (534D-9 SN 0544217 through 0160000853, Excluding 0160000700; 534D-10 SN 0366054 through 0160000974)

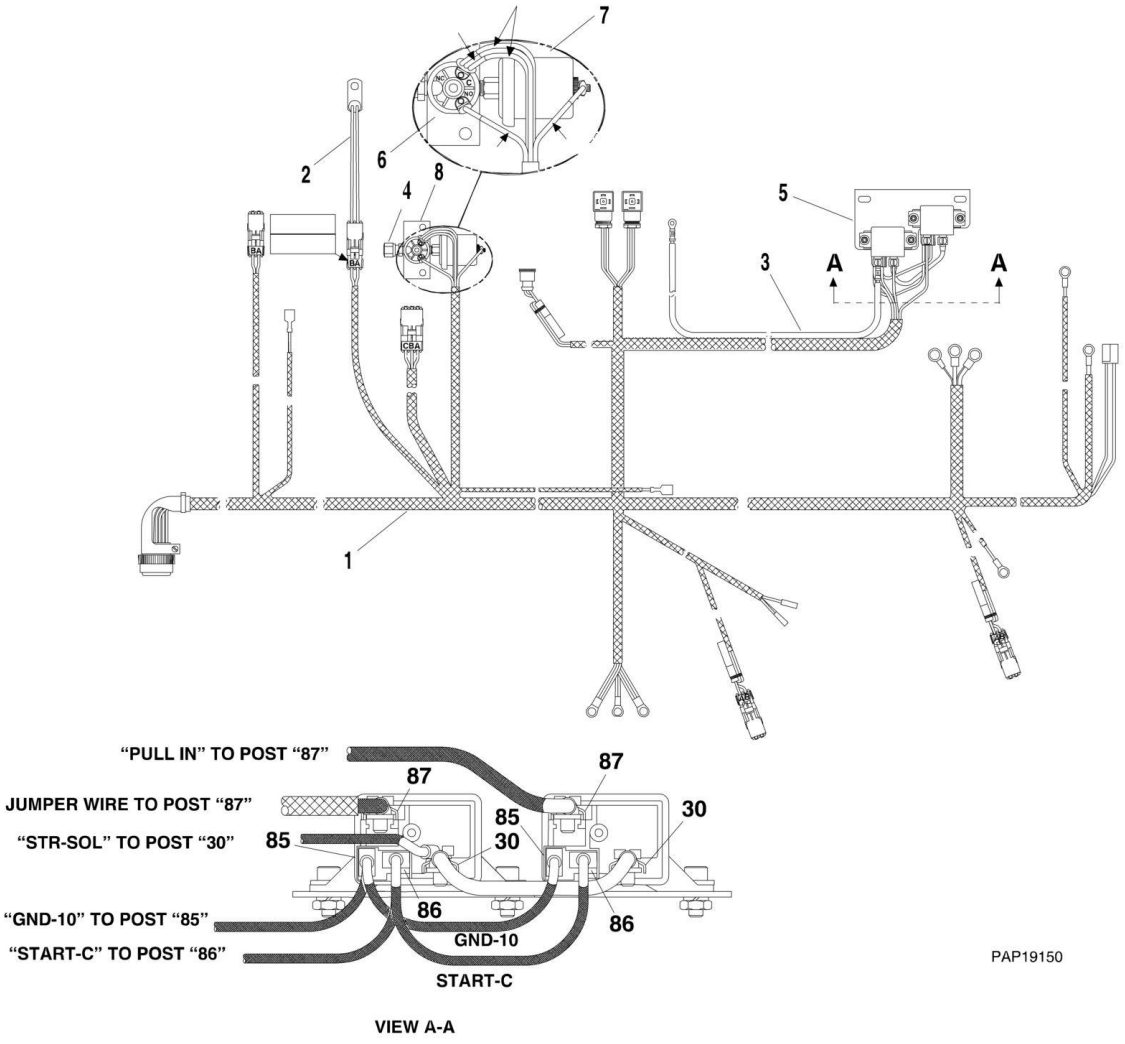


FIGURE 10-3. ENGINE HARNESS ASSEMBLY (534D-9 SN 0544217 through 0160000853, Excluding 0160000700; 534D-10 SN 0366054 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345041	NLA	ENGINE HARNESS ASSY, (includes all items), (no longer available to order, use 91345079 for replacement)	A
	91345079	Ref	ENGINE HARNESS ASSY, (includes all items)	
1	91333013	1	ENGINE HARNESS **(534D-9 SN 0544217 through 0160000974; 534D-10 SN 0366054 through 0160000896)**	
1	91343221	1	ENGINE HARNESS **(534D-9 SN 0160000975 to Present; 534D-10 SN 0160000897 to Present)**	
2	91365014	1	QUICK START THERMOSTAT ASSY, (includes the following four items)	
2	91363031	1	THERMOSTAT	
2	80963058	1	SHROUD CONNECTOR, (2-wire)	
2	80963069	2	MALE PIN TERMINAL	
2	80963065	2	CABLE SEAL	
3	91363066	1	JUMPER WIRE **(534D-9 SN 0160000700 through 0160006687; 534D-10 SN 0160000978 through 0160006664)**	
3	91553066	1	JUMPER WIRE **(534D-9 SN 0160007027 to Present; 534D-10 SN 0160006855 to Present)**	
4	86883075	1	TUBE FITTING	
5	91345008	1	STARTER RELAY ASSY, (includes the following seven items)	
5	77383377	2	RELAY	
5	91331014	1	RELAY MOUNTING BRACKET	
5	88211028	4	SOCKET HD CAPSCREW, #10-24X1/2, GR8	
5	88501612	4	HEX NUT	
5	88561105	4	FLAT WASHER, #10	
5	88551007	4	LOCKWASHER, #10	
5	91373009	1	JUMPER WIRE	
6	24741047	1	PRESSURE SWITCH	
7	91143315	1	OIL PRESSURE SENDER	
8	91081388	1	TAPPED BAR	

FIGURE 10-4. ENGINE HARNESS ASSEMBLY (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

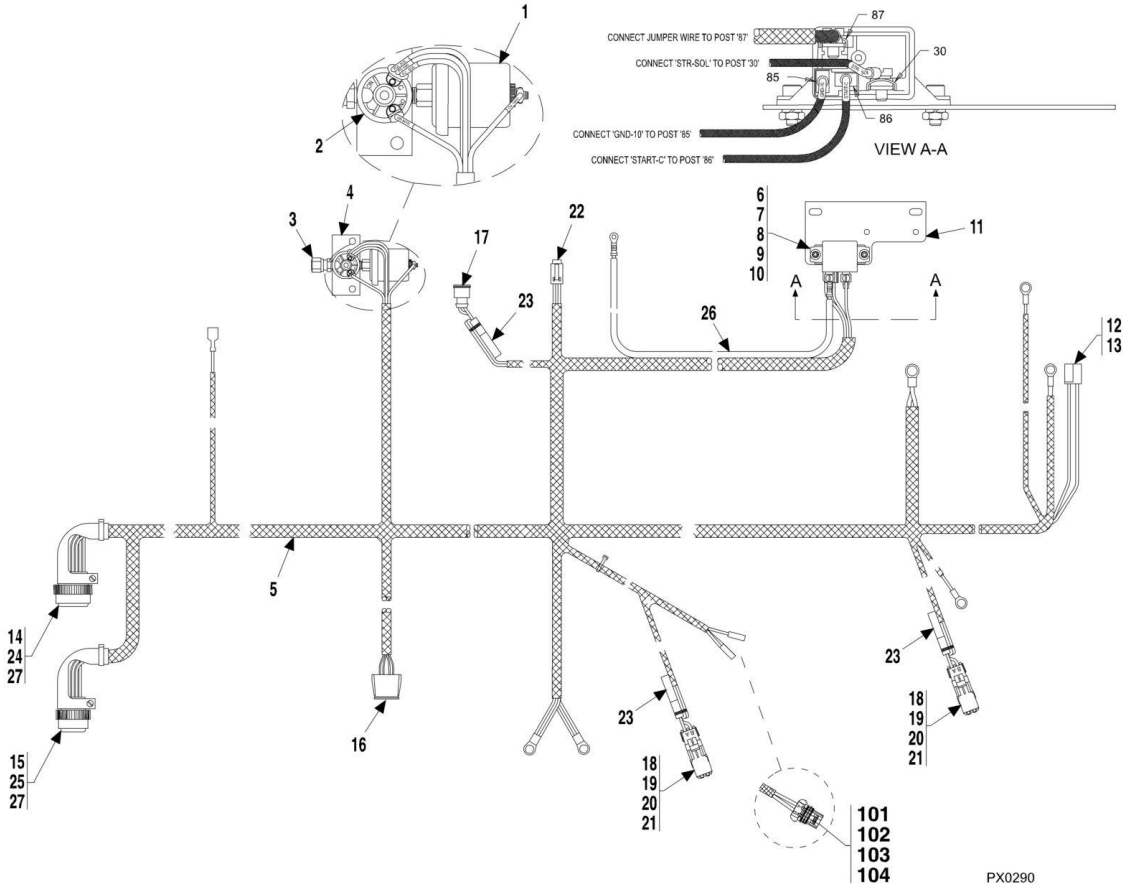
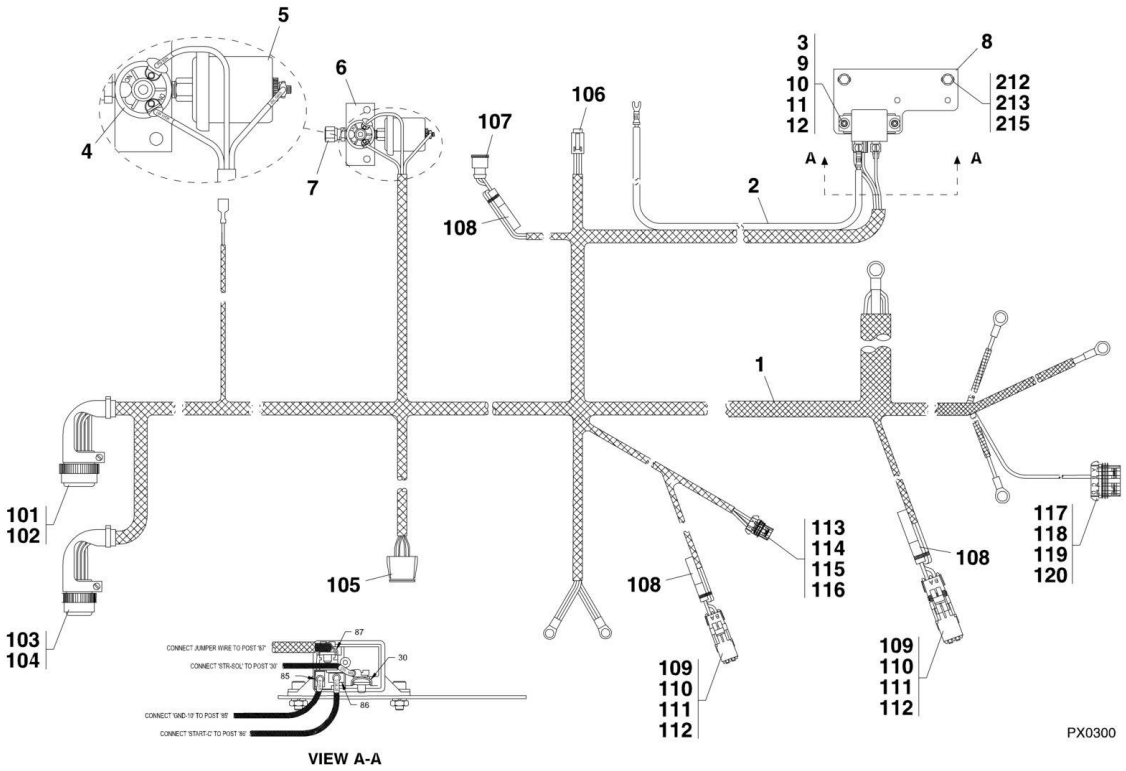


FIGURE 10-4. ENGINE HARNESS ASSEMBLY (534D-9 SN 0160001051 through 0160035941, Including 0160000700, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535007	Ref	ENGINE HARNESS ASSY, (includes items 1 thru 27)	
1	91553045	1	OIL PRESSURE SENDER	
2	24741047	1	PRESSURE SWITCH	
3	86883075	1	TUBE FITTING	
4	91081388	1	TAPPED BAR	
5	91553005	1	ENGINE HARNESS, (includes items 12 thru 25) **(534D-9 SN 0160001051 through 0160016722, Including 0160000700, Excluding 0160015300, 0160015301 and 0160015302; 534D-10 SN 0160000978 through 0160016718)**	D
5	4923398	1	ENGINE HARNESS, (includes items 12 thru 25 & 101 thru 104) **(534D-9 SN 0160016875 through 0160035941, Including 0160015300, 0160015301 and 0160015302, Excluding 0160034957; 534D-10 SN 0160016757 through 0160034816)**	B
6	77383377	1	RELAY	
7	88211028	2	SOCKET HD CAPSCREW, #10-24X1/2	
8	88501612	2	HEX NUT, #10-24	
9	88561105	2	FLAT WASHER, #10	
10	88551007	2	LOCKWASHER, #10	
11	91331014	1	RELAY MOUNTING PLATE	
12	83683254	1	PLUG	
13	90026803	3	CONNECTOR	
14	91334038	1	PLUG CONNECTOR	
15	86984559	1	PLUG CONNECTOR	
16	8220524	1	PLUG CONNECTOR	
17	91083440	1	CONNECTOR	
18	80963057	2	CONNECTOR	
19	80963058	2	SHROUD	
20	80963068	2	FEMALE PIN TERMINAL	
21	91364009	2	CABLE SEAL	
22	91554011	1	PLUG	
23	91363021	3	MOLDED DIODE	
24	91474463	1	STRAIN RELIEF	
25	91554012	1	STRAIN RELIEF	
26	91363066	1	JUMPER WIRE **(534D-9 SN 0160000700 through 0160006687; 534D-10 SN 0160000978 through 0160006664)**	
26	91553066	1	JUMPER WIRE **(534D-9 SN 0160007027 to Present; 534D-10 SN 0160006855 to Present)**	
27	0100048	AR	DI-ELECTRIC GREASE	
101	1001117021	1	CONNECTOR	
102	7029755	1	SECONDARY LOCK	
103	4460746	1	TERMINAL	
104	4460789	1	SEAL	

FIGURE 10-5. ENGINE HARNESS ASSEMBLY (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)



VIEW A-A

FIGURE 10-5. ENGINE HARNESS ASSEMBLY (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101524	1	ENGINE HARNESS ASSY, (includes items 1 thru 120)	D
1	1001097989	1	ENGINE HARNESS, (includes items 101 thru 120)	D
2	91553066	1	JUMPER WIRE	
3	77383377	1	RELAY	
4	24741047	1	PRESSURE SWITCH	
5	91553045	1	OIL PRESSURE SENDER	
6	91081388	1	TAPPED BAR	
7	2220574	1	TUBE FITTING	
8	91331014	1	RELAY MOUNTING PLATE	
9	88211028	2	HEX HD CAPSCREW, #10-24X1/2	
10	88501612	2	HEX NUT, #10-24	
11	88561105	2	FLAT WASHER, #10	
12	88551007	2	LOCKWASHER, #10	
101	91334038	1	PLUG CONNECTOR	
102	91474463	1	STRAIN RELIEF	
103	86984559	1	PLUG CONNECTOR	
104	91554012	1	STRAIN RELIEF	
105	7026425	1	CONNECTOR	
106	91554011	1	PLUG	
107	91083440	1	CONNECTOR	
108	91363021	3	MOLDED DIODE	
109	80963068	2	FEMALE PIN TERMINAL	
110	91364009	2	CABLE SEAL	
111	80963057	2	CONNECTOR	
112	80963058	2	SHROUD	
113	1001117021	1	CONNECTOR	
114	7029755	1	SECONDARY LOCK	
115	4460746	1	TERMINAL	
116	4460789	1	SEAL	
117	4460590	1	CONNECTOR	
118	4460591	1	SECONDARY LOCK	
119	4460589	1	TERMINAL	
120	70021824	1	SEAL	
212	4711400	2	FLAT WASHER, 1/4	
213	4761400	2	LOCKWASHER, 1/4	
215	0641404	2	HEX HD CAPSCREW, 1/4-20X1/2, GR5	

FIGURE 10-6. DASH HARNESS ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

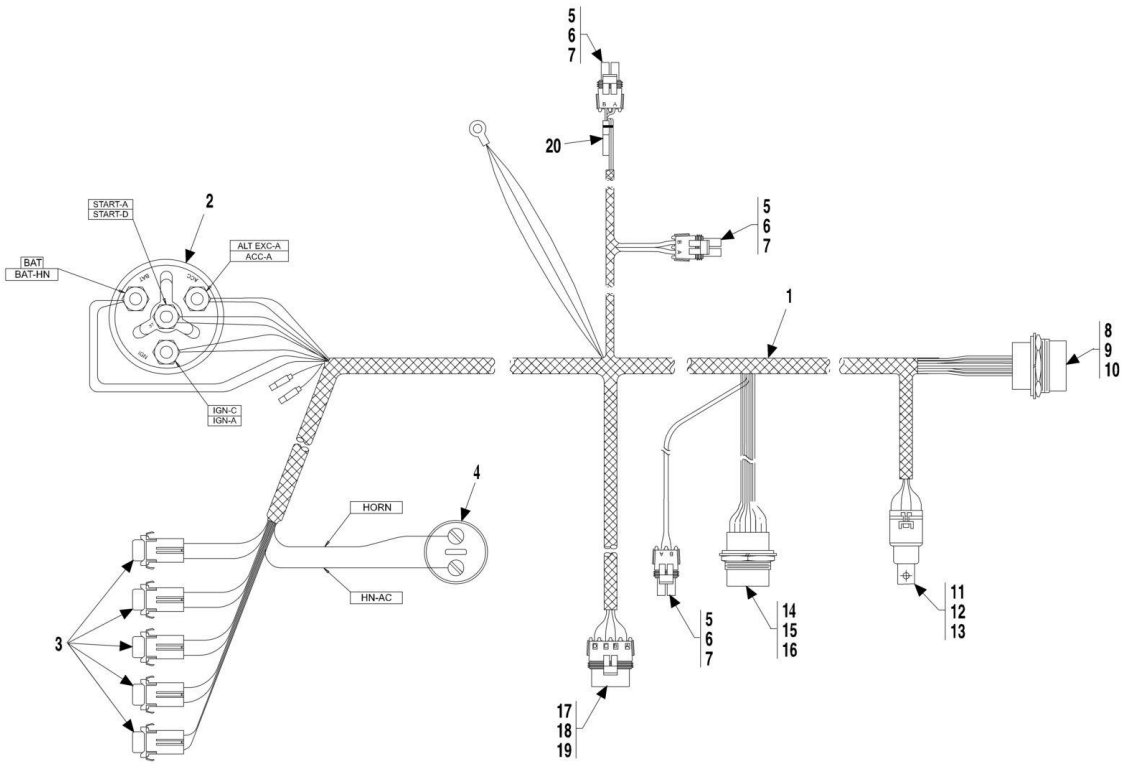


FIGURE 10-6. DASH HARNESS ASSEMBLY (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365013	Ref	DASH HARNESS ASSY, (includes all items)	
1	91363035	1	DASH HARNESS, (includes items 5 thru 20)	
2	91033317	1	IGNITION SWITCH	
3	77363268	4	FUSE, 15 AMP	
4	24771004	1	BUTTON	
5	80963057	3	WEATHER PACK CONNECTOR	
6	80963068	3	FEMALE PIN TERMINAL	
7	91364009	3	CABLE SEALS	
8	91364010	1	RECEPTACLE CONNECTOR	
9	83481286	1	PANEL NUT	
10	83481285	1	LOCKWASHER	
11	91363054	1	RELAY	
12	4460374	1	CONNECTOR	
13	91364012	1	TERMINAL	
14	77363264	1	PANEL NUT	
15	77363263	1	LOCKWASHER	
16	77363225	1	RECEPTACLE CONNECTOR	
17	91364013	1	CONNECTOR	
18	91364014	1	FEMALE PIN TERMINAL	
19	80963065	1	CABLE SEAL	
20	91363021	1	MOLDED DIODE	

FIGURE 10-7. DASH HARNESS ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

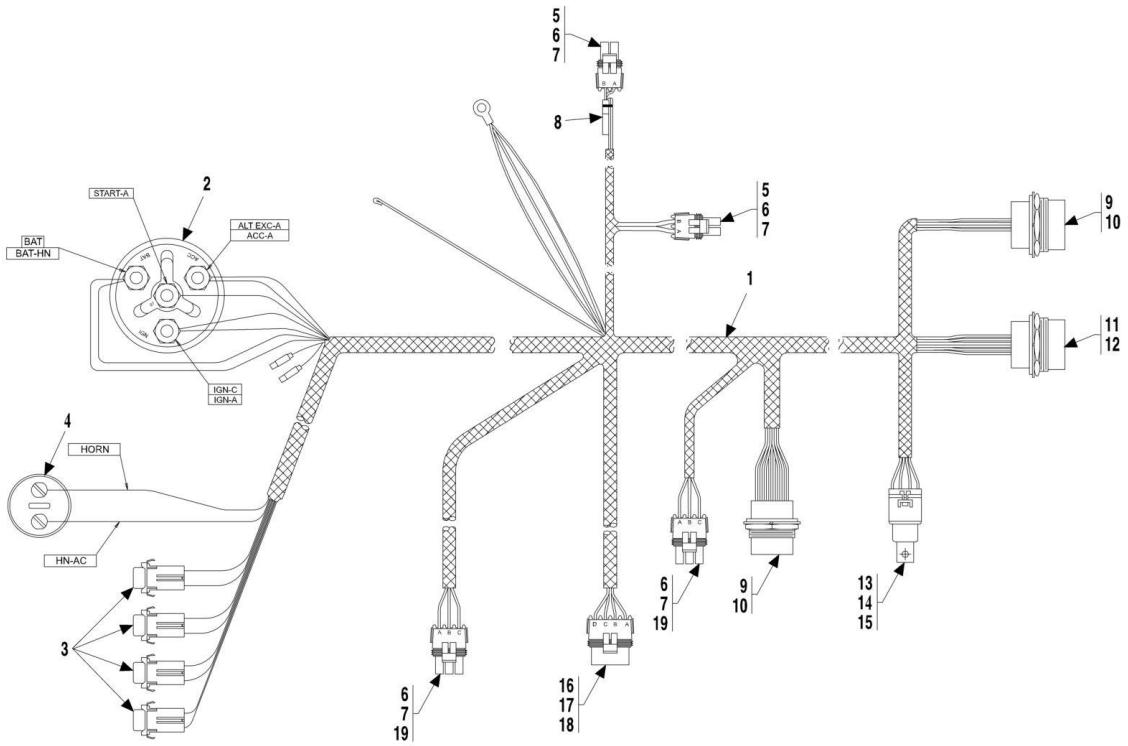


FIGURE 10-7. DASH HARNESS ASSEMBLY (534D-9 SN 0160001051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91555009	Ref	DASH HARNESS ASSY, (includes all items) **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	B
	1001101493	Ref	DASH HARNESS ASSY, (includes all items) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	B
1	91553024	1	DASH HARNESS, (includes items 5 thru 19) **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	D
1	1001095326	1	DASH HARNESS, (includes items 5 thru 19) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	C
2	91033317	1	IGNITION SWITCH	
3	77363268	4	FUSE, 15 AMP	
4	24771004	1	BUTTON	
5	80963057	2	WEATHER PACK CONNECTOR	
6	80963068	4	FEMALE PIN TERMINAL	
7	91364009	4	CABLE SEALS	
8	91363021	1	MOLDED DIODE	
9	77363225	2	RECEPTACLE CONNECTOR	
10	77363264	2	PANEL NUT	
11	91364010	1	PANEL NUT	
12	83481286	1	PANEL NUT	
13	91363054	1	RELAY	
14	4460374	1	CONNECTOR	
15	91364012	1	TERMINAL	
16	91364013	1	WEATHER PACK CONNECTOR	
17	91364014	1	FEMALE PIN TERMINAL	
18	80963065	1	CABLE SEAL	
19	80963059	2	WEATHER PACK CONNECTOR	

FIGURE 10-8. ECU ENGINE HARNESS (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

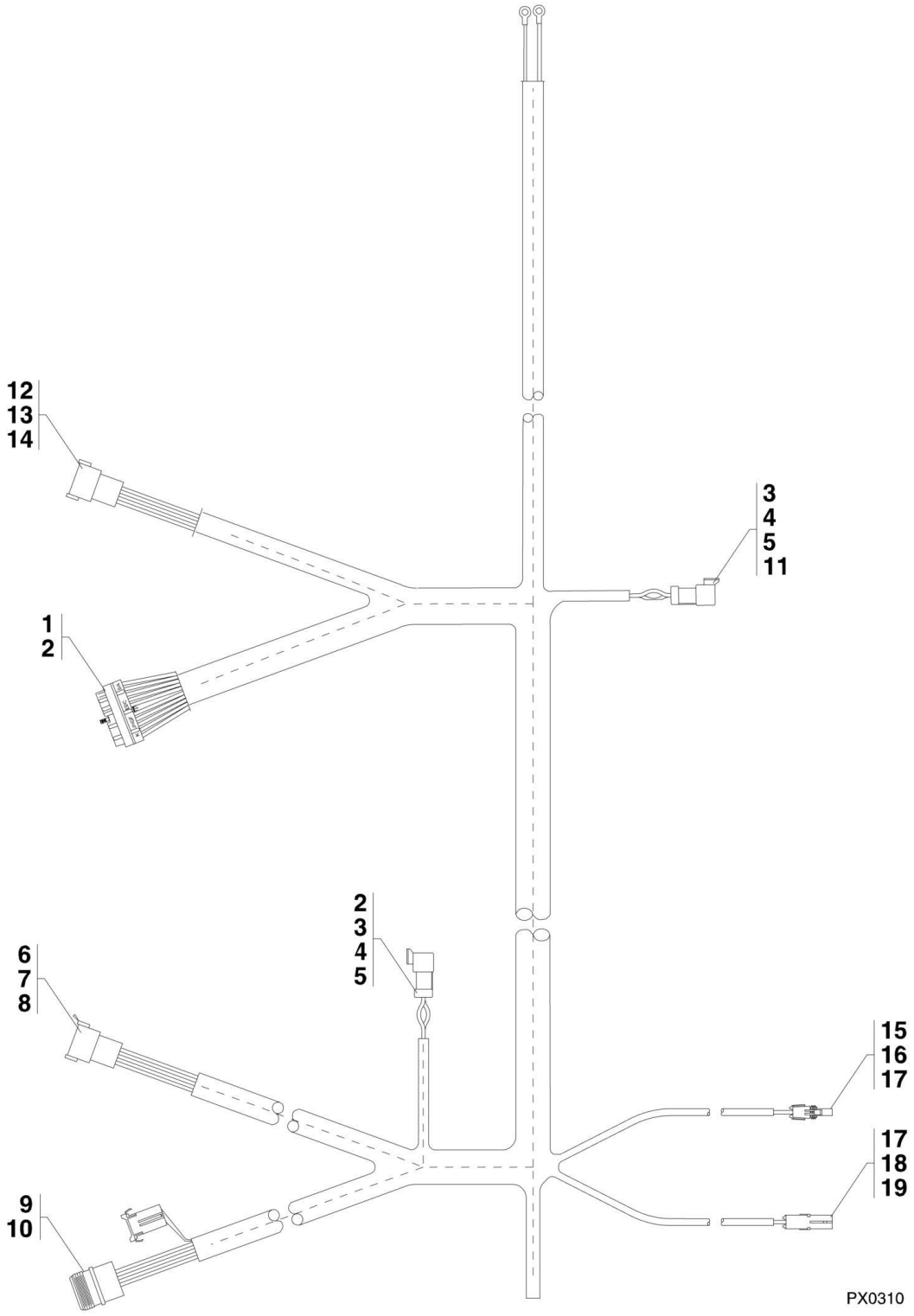
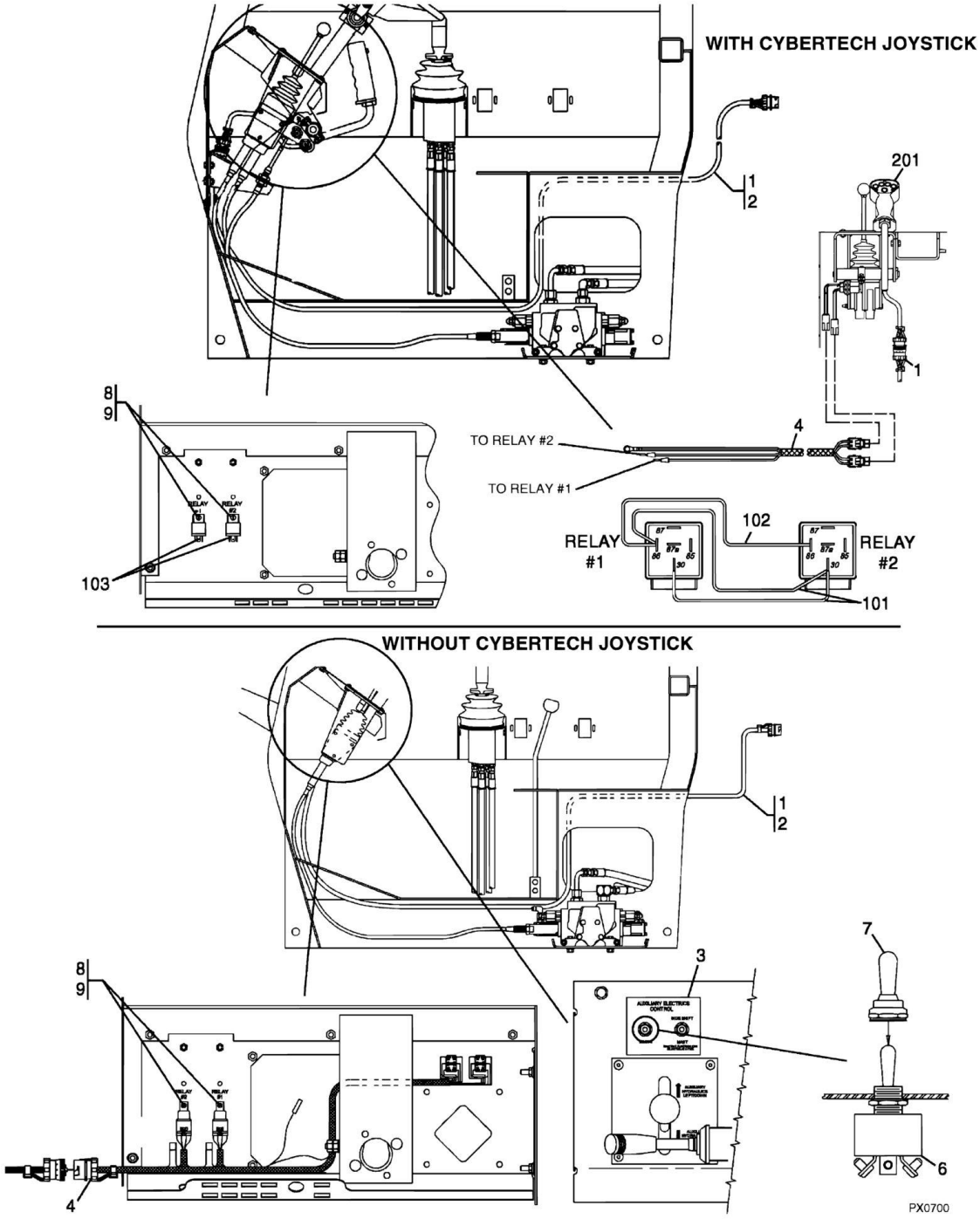


FIGURE 10-8. ECU ENGINE HARNESS (534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095327	1	ECU ENGINE HARNESS, (includes items 1 thru 19)	D
1	1001116821	1	CONNECTOR	
2	70021824	1	TRMINAL	
3	91554018	2	CONNECTOR	
4	70021825	2	WEDGE LOCK	
5	8220553	2	TERMINATOR	
6	4460532	1	CONNECTOR	
7	91503106	1	WEDGE LOCK	
8	77363228	1	TERMINAL	
9	1001116975	1	CONNECTOR	
10	77363246	1	DUST CAP	
11	70020891	1	TERMINAL	
12	1001096188	1	PLUG	
13	70020890	1	TERMINAL SOCKET	
14	70021826	1	SECONDARY LOCK WEDGE	
15	1001119106	1	CONNECTOR	
16	1001116729	1	TERMINAL	
17	80963067	2	SEAL	
18	8220883	1	CONNECTOR	
19	1001116747	1	TERMINAL	

FIGURE 10-9. AUXILIARY ELECTRICAL INSTALLATION (SN 0160027771 to Present)



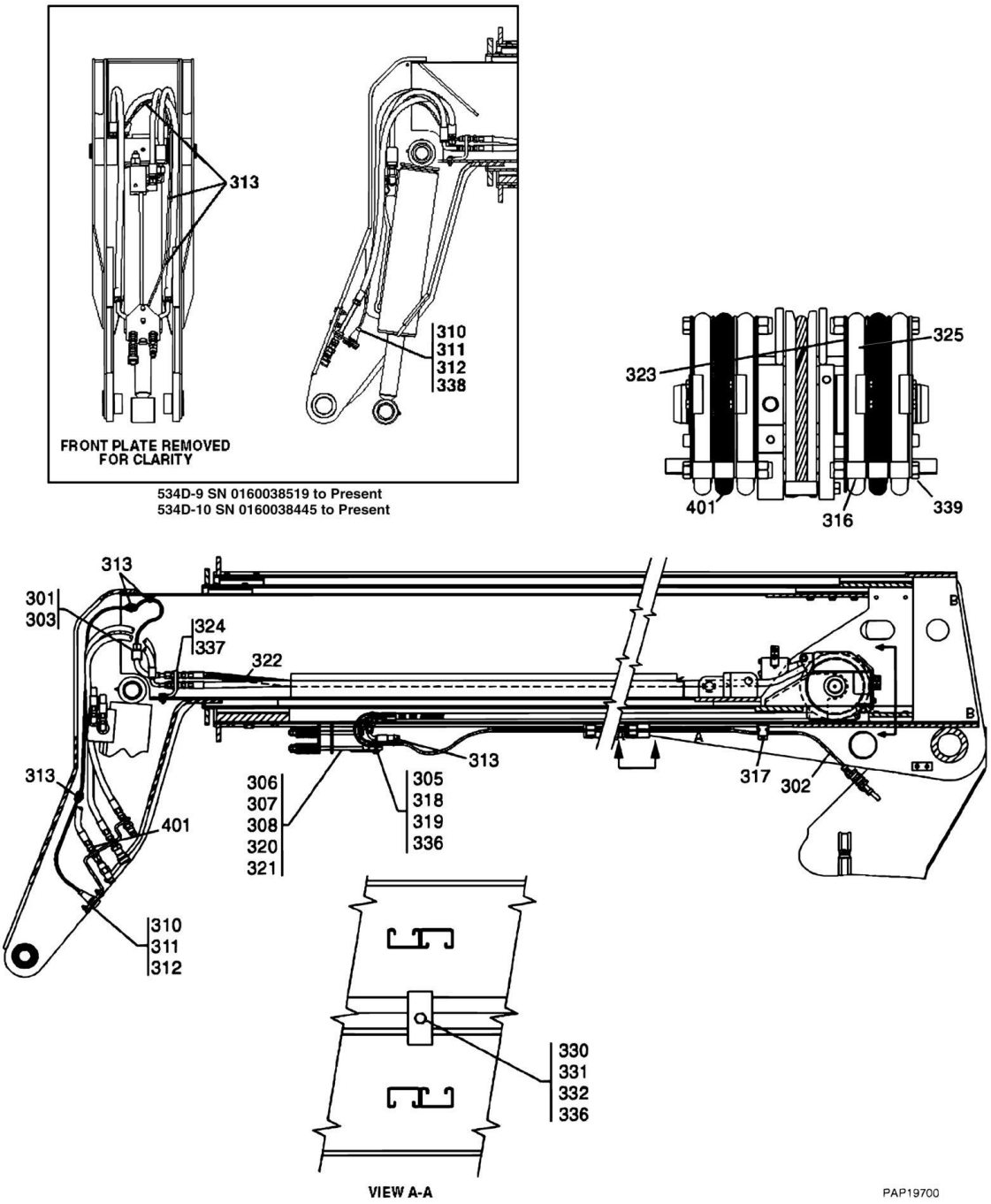

313
310
311
312
338
FRONT PLATE REMOVED
FOR CLARITY
534D-9 SN 0160038519 to Present
534D-10 SN 0160038445 to Present
325
323
401
316
339
313
301
303
324
337
322
313
306
307
308
320
321
305
318
319
336
313
317
302
401
310
311
312
330
331
332
336
VIEW A-A
PAP19700

FIGURE 10-9. AUXILIARY ELECTRICAL INSTALLATION (SN 0160027771 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355009	1	CAB AUXILIARY ELECTRICAL INSTALLATION, (if equipped), (includes items 1 thru 9)	H
		Ref	AUX ELECTRICAL ASSY, (if equipped W/cybertech joystick), (includes items 1, 2, 4, 8, 9 & 101 thru 103)	
1		Ref	CAB AUXILIARY WIRING HARNESS, (See AUXILIARY ELECTRICAL HARNESS for Breakdown)	
2	90027187	14	TIE WRAP	
3	91123155	1	DECAL	
4	91123154	1	AUXILIARY DASH HARNESS, (W/OUT CYBERTECH JOYSTICK)	
4	91343054	1	AUXILIARY DASH HARNESS, (W/CYBERTECH JOYSTICK)	
6	77163204	2	SWITCH	
7	77383470	2	SWITCH BOOT	
8	88301088	2	ROUND HD MACHINE CAPSCREW, #10-24X3/8	
9	88561105	2	FLAT WASHER, #10	
101	91341021	2	JUMPER WIRE	
102	91341022	1	JUMPER WIRE	
103	77383410	2	RELAY	
201		Ref	CYBERTECH JOYSTICK, (See CONTROLS SECTION for Breakdown)	
	91535023	1	BOOM AUXILIARY HYDRAULIC INSTALLATION, (includes items 301 thru 337) **(534D-9 SN 0160027771 through 0160038518; 534D-10 SN 0160027771 through 0160038444)**	E
	1001101980	1	BOOM AUXILIARY HYDRAULIC INSTALLATION, (includes items 302, 305 thru 332, 338 & 339) **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	A
301	91513115	1	TUBE **(SN 0160027771 through 0160037688)**	
302		Ref	AUXILIARY BOOM HARNESS	
303	91143141	1	CORD CONNECTOR **(SN 0160027771 through 0160037688)**	
305	91366015	1	WELDMENT	
306	91126032	1	SUPPORT	
307	91123054	1	COMPRESSION SPRING	
308	91121134	1	SPRING RETAINER	
310	90207661	1	6 PIN CONTACT SOCKET	
311	88201005	2	HEX HD CAPSCREW, 1/4-20X1	
312	88521304	2	LOCKNUT, 1/4	
313	90027187	8	TIE WRAP **(SN 0160027771 through 0160037688)**	
313	90027187	4	TIE WRAP **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
316	91533017	4	PLATE **(SN 0160027771 through 0160037688)**	
316	91533017	2	PLATE **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
317	91043120	1	CUSHION CLAMP	
318	88201017	2	HEX HD CAPSCREW, 5/16-18X5/8	
319	88551010	2	LOCKWASHER, 5/16	
320	88501008	1	HEX NUT, 1/2	
321	88501108	1	JAM NUT, 1/2	
322	2754808	1	HOSE ASSY	
323	91531029	1	PLATE	
324	2230025	1	ADAPTER	
325	91533018	1	HOSE SHEAVE	
330	91163069	2	CLAMP SET	
331	77133137	2	COVER PLATE	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
332	88201023	2	HEX HD CAPSCREW, 5/16-18X1-3/4	
336	14403364	AR	LOCTITE 242	
337	14404043	AR	LOCTITE 554	
338	4711400	4	FLAT WASHER, 1/4 **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
339	0641832	2	HEX HD CAPSCREW, 1/2-13X4 **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
401		Ref	WINCH COMPONENTS, (See OPTIONS SECTION for Breakdown)	

FIGURE 10-10. AUXILIARY ELECTRICAL HARNESSES (SN 0160027771 to Present)

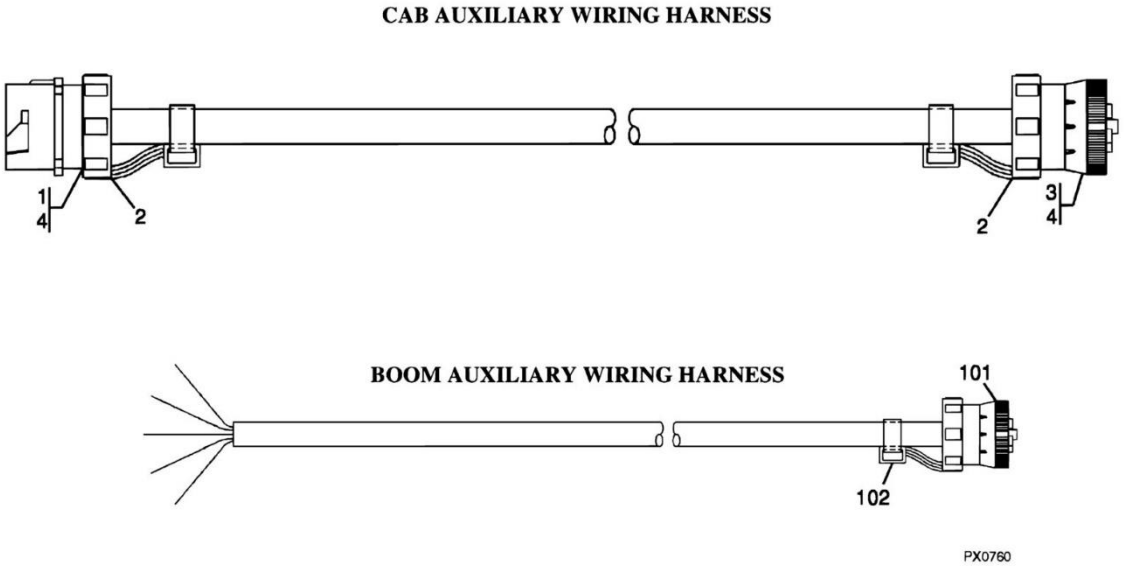


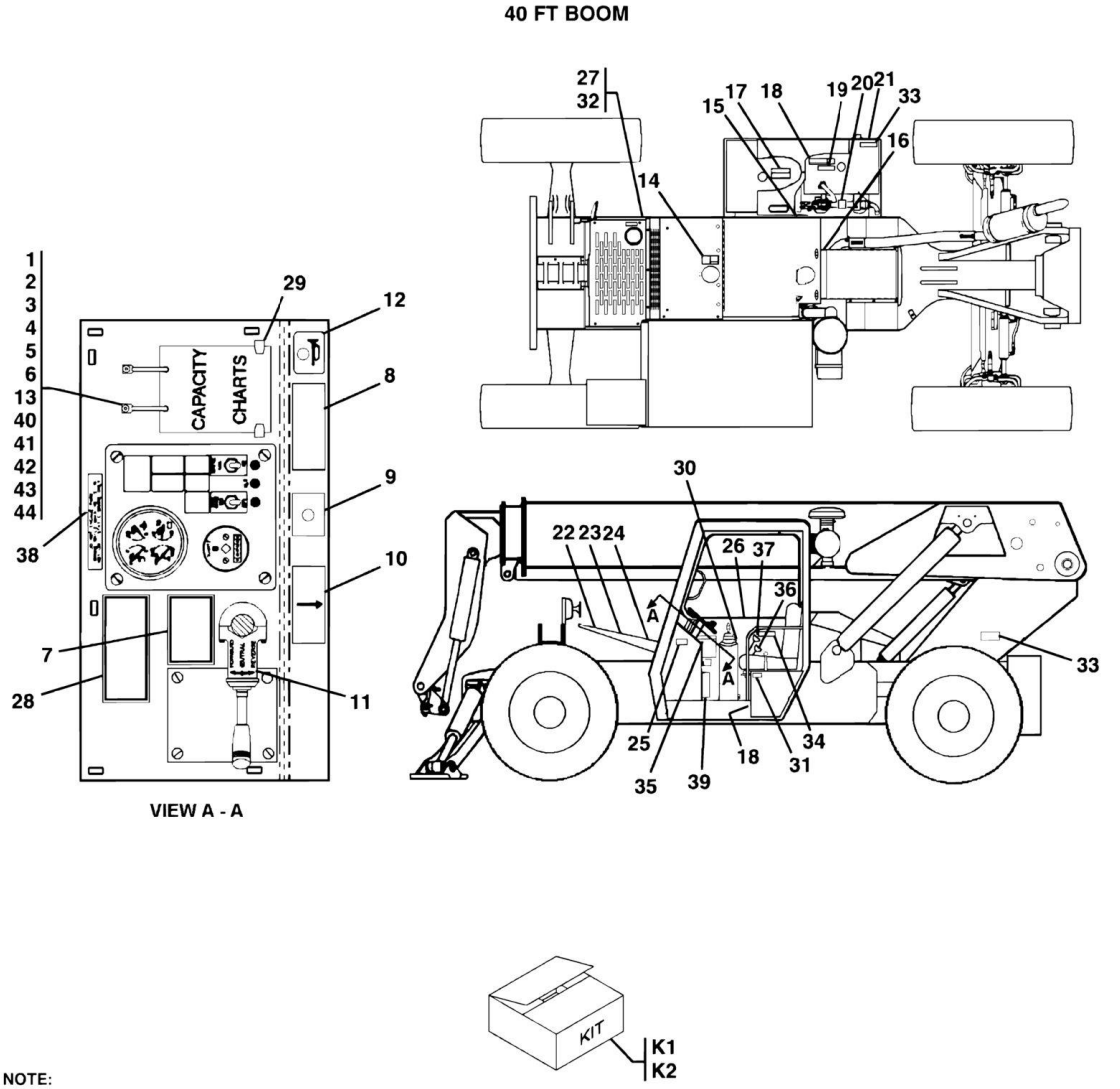
FIGURE 10-10. AUXILIARY ELECTRICAL HARNESSES (SN 0160027771 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143105	1	CAB AUXILIARY WIRING HARNESS, (includes items 1 thru 3)	
1	77363232	1	CONNECTOR	
2	91143107	2	STRAIN RELIEF	
3	77363233	1	CONNECTOR	
4	4460466	2	SEALING PLUG	
	91353028	1	BOOM AUXILIARY WIRING HARNESS, (includes items 101 & 102)	
101	77363233	1	CONNECTOR	
102	91143107	2	STAIN RELIEF	

SECTION 11 - DECALS

SECTION 11 - DECALS

FIGURE 11-1. FRAME DECALS - 534D-9 (534D-9 SN 0544001 through 0644118)



NOTE:

THE 91145038 & 91145039 DECAL KITS INCLUDE BOTH THE 534D-9 40 FT & 534D-9 45 FT BOOM DECALS. BE SURE TO USE THE CORRECT ONE FOR YOUR MACHINE.

PAP17940

FIGURE 11-1. FRAME DECALS - 534D-9 (534D-9 SN 0544001 through 0644118)

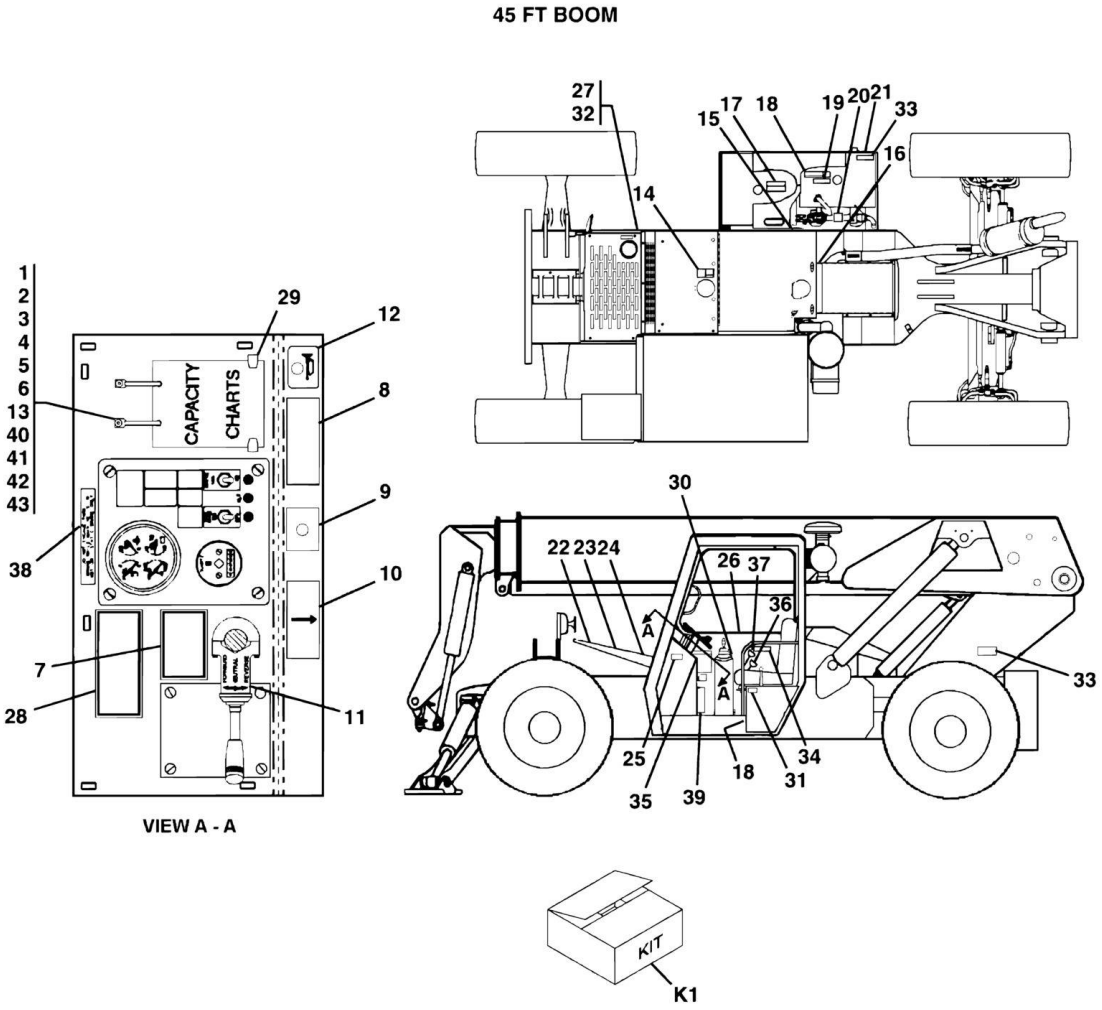
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91163087	2	LOAD CHART BRACKET	
2	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
3	91343069	1	LOAD CHART - 6 FT SWING MAST, 60, FORKS	
4	91163184	1	CAPACITY CHART COVER	
5	91343005	1	LOAD CHART - INSTRUCTIONS	
6	91343009	1	LOAD CHART - STD CARRIAGE W/WINCH	
7	91343016	1	TURBO CHARGER DECAL	
8	91143202	1	INSTRUCTION DECAL	
9	91143120	1	INSTRUMENT PANEL DECAL	
10	91083314	1	TRACTION DECAL	
11	91163028	1	SHIFTER DECAL	
12	91033089	1	HORN DECAL	
13	91343055	1	LOAD CHART - 6 FT SWING MAST, 60, FORKS	
14	80603026	1	CAUTION DECAL	
15	91143281	1	WARNING DECAL	
16	91143280	1	WARNING DECAL	
17	91143286	1	WARNING DECAL	
18	91083492	2	OIL WARNING DECAL	
19	91143288	1	HYDRAULIC OIL PLATE	
20	91143162	1	TEST PORT DECAL	
21	91163130	1	OIL LEVEL DECAL	
22	80603022	1	ACCIDENT PREVENTION DECAL	
23	90553027	1	LIFTING PERSONEL DECAL	
24	91343020	1	SERVICE INSTRUCTION DECAL **(SN 0544001 through 0544399)**	
24	91343073	1	SERVICE INSTRUCTION DECAL **(SN 0544400 through 0644118)**	
25	91143283	1	WARNING DECAL	
26	90553028	1	WARNING DECAL	
27	91143285	1	INSTRUCTION DECAL	
28	91323030	1	WARNING DECAL	
29	91363070	2	HINGED CLAMP	
30	91303047	1	BOOM OPERATION DECAL	
31	77333027	1	MADE IN USA DECAL	
32	91143284	1	WARNING DECAL	
33	91143282	3	WARNING DECAL	
34	91143292	1	DIPSTICK DECAL	
35	N.S.S.	1	SN PLATE AND ATTACHMENT PLATE	
36	91083318	1	SWAY DECAL	
37	91083317	1	TILT DECAL	
38	91143182	1	PARK BRAKE DECAL	
39	91363032	1	LABEL AND INSTRUCTION GROUP	
40	91343013	1	LOAD CHART - SLOPE PILER	
41	91343017	1	LOAD CHART - 100 SWING CARRIAGE	
42	91343018	1	LOAD CHART - 10 FT TRUSS BOOM	
43	91343019	1	LOAD CHART - 6 FT MAST	
44	91343204	1	LOAD CHART - WORK PLATFORM	
K1	91145038	1	FRAME DECALS 534D-9 DECAL KIT, (white), (includes items 7 thru 12, 14 thru 22, 24, 25, 27, 28, 30 thru 34, 36, 37 & 38 on FRAME DECALS - 534D-9, plus items 5, 6, 7, 9, 11 thru 15 & 17 on BOOM DECALS) **(SN 0544001 through 0544399)**	

SECTION 11 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K2	91345039	1	FRAME DECALS 534D-9 DECAL KIT, (white), (includes items 7 thru 12, 14 thru 28, 30 thru 34, 36, 37 & 38 on FRAME DECALS - 534D-9, plus items 5 thru 17 on BOOM DECALS) **(SN 0544400 through 0644118)**	

SECTION 11 - DECALS

FIGURE 11-2. FRAME DECALS - 534D-9 (534D-9 SN 0644119 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)



NOTE:

THE 91145038 & 91145039 DECAL KITS INCLUDE BOTH THE 534D-9 40 FT & 534D-9 45 FT BOOM DECALS. BE SURE TO USE THE CORRECT ONE FOR YOUR MACHINE

PAP17950

FIGURE 11-2. FRAME DECALS - 534D-9 (534D-9 SN 0644119 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91163087	2	LOAD CHART BRACKET	
2	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
3	91343069	1	LOAD CHART - 6 FT SWING MAST, 60, FORKS	
4	91163184	1	CAPACITY CHART COVER	
5	91343005	1	LOAD CHART - INSTRUCTIONS	
6	91343064	1	LOAD CHART - STD CARRIAGE W/WINCH	
7	91343016	1	TURBO CHARGER DECAL	
8	91143202	1	INSTRUCTION DECAL	
9	91143120	1	INSTRUMENT PANEL DECAL	
10	91083314	1	TRACTION DECAL	
11	91163028	1	SHIFTER DECAL	
12	91033089	1	HORN DECAL	
13	91343067	1	LOAD CHART - 6 FT MAST	
14	80603026	1	CAUTION DECAL	
15	91143281	1	WARNING DECAL	
16	91143280	1	WARNING DECAL	
17	91143286	1	WARNING DECAL	
18	91083492	2	OIL WARNING DECAL	
19	91143288	1	HYDRAULIC OIL PLATE	
20	91143162	1	TEST PORT DECAL	
21	91163130	1	OIL LEVEL DECAL	
22	80603022	1	ACCIDENT PREVENTION DECAL	
23	90553027	1	LIFTING PERSONNEL DECAL	
24	91343073	1	SERVICE INSTRUCTION DECAL	
25	91143283	1	WARNING DECAL	
26	90553028	1	WARNING DECAL	
27	91143285	1	INSTRUCTION DECAL	
28	91323030	1	WARNING DECAL	
29	91363070	2	HINGED CLAMP	
30	91303047	1	BOOM OPERATION DECAL	
31	77333027	1	MADE IN USA DECAL	
32	91143284	1	WARNING DECAL	
33	91143282	3	WARNING DECAL	
34	91143292	1	DIPSTICK DECAL	
35	N.S.S.	1	SN PLATE AND ATTACHMENT PLATE	
36	91083318	1	SWAY DECAL	
37	91083317	1	TILT DECAL	
38	91143182	1	PARK BRAKE DECAL	
39	91363032	1	LABEL AND INSTRUCTION GROUP	
40	91343063	1	LOAD CHART - SLOPE PILER	
41	91343065	1	LOAD CHART - 100 SWING CARRIAGE	
42	91343066	1	LOAD CHART - 10 FT TRUSS BOOM	
43	91343204	1	LOAD CHART - WORK PLATFORM	
K1	91345039	1	FRAME DECALS 534d-9 DECAL KIT, (white), (includes items 7 thru 12, 14 thru 28, 30 thru 34 & 36 thru 38 on FRAME DECALS - 534D-9, plus items 5 thru 17 on BOOM DECALS)	

SECTION 11 - DECALS

FIGURE 11-3. FRAME DECALS - 534D-9 (534D-9 SN 0160001051 through 0160003958)

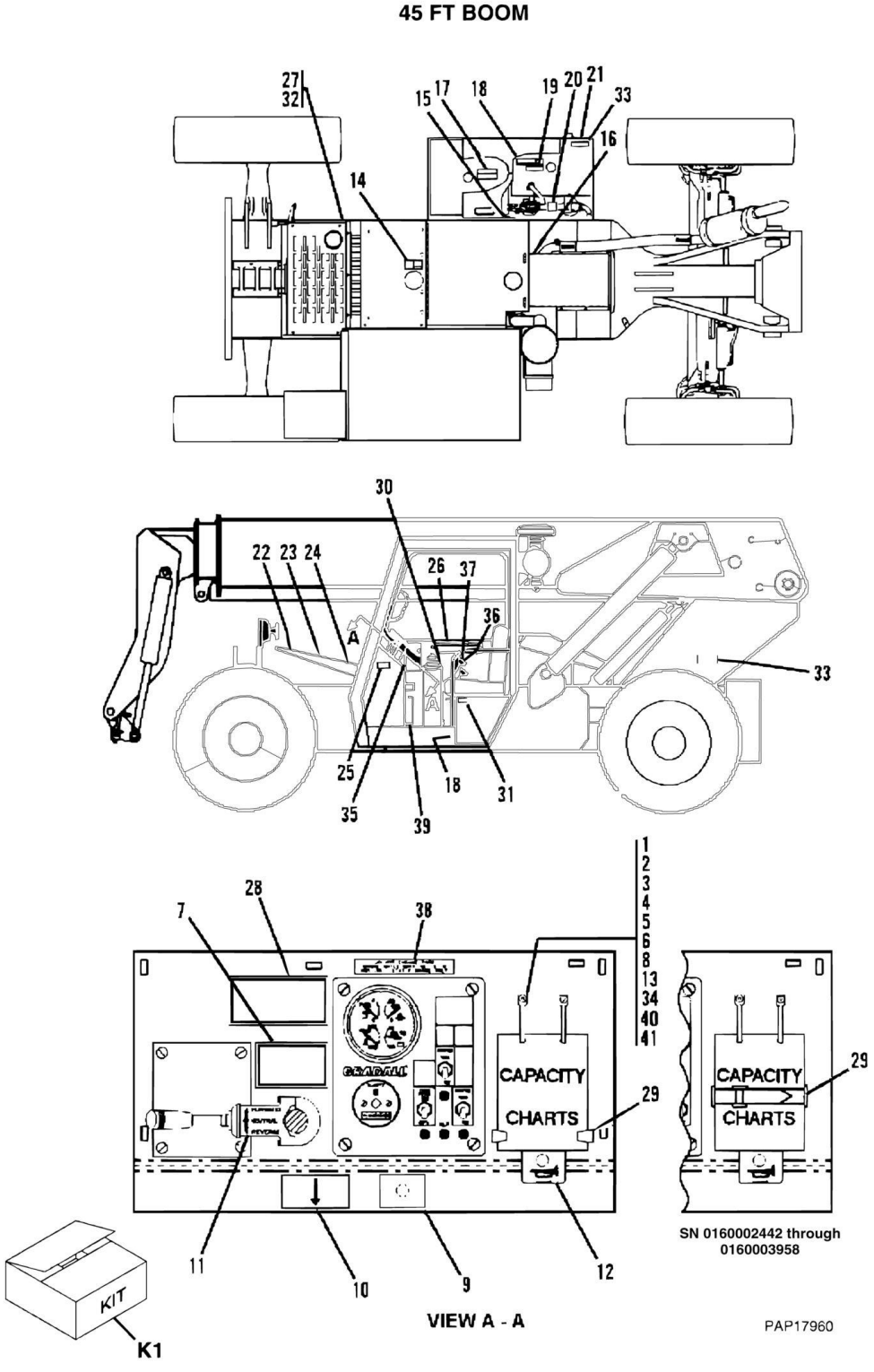
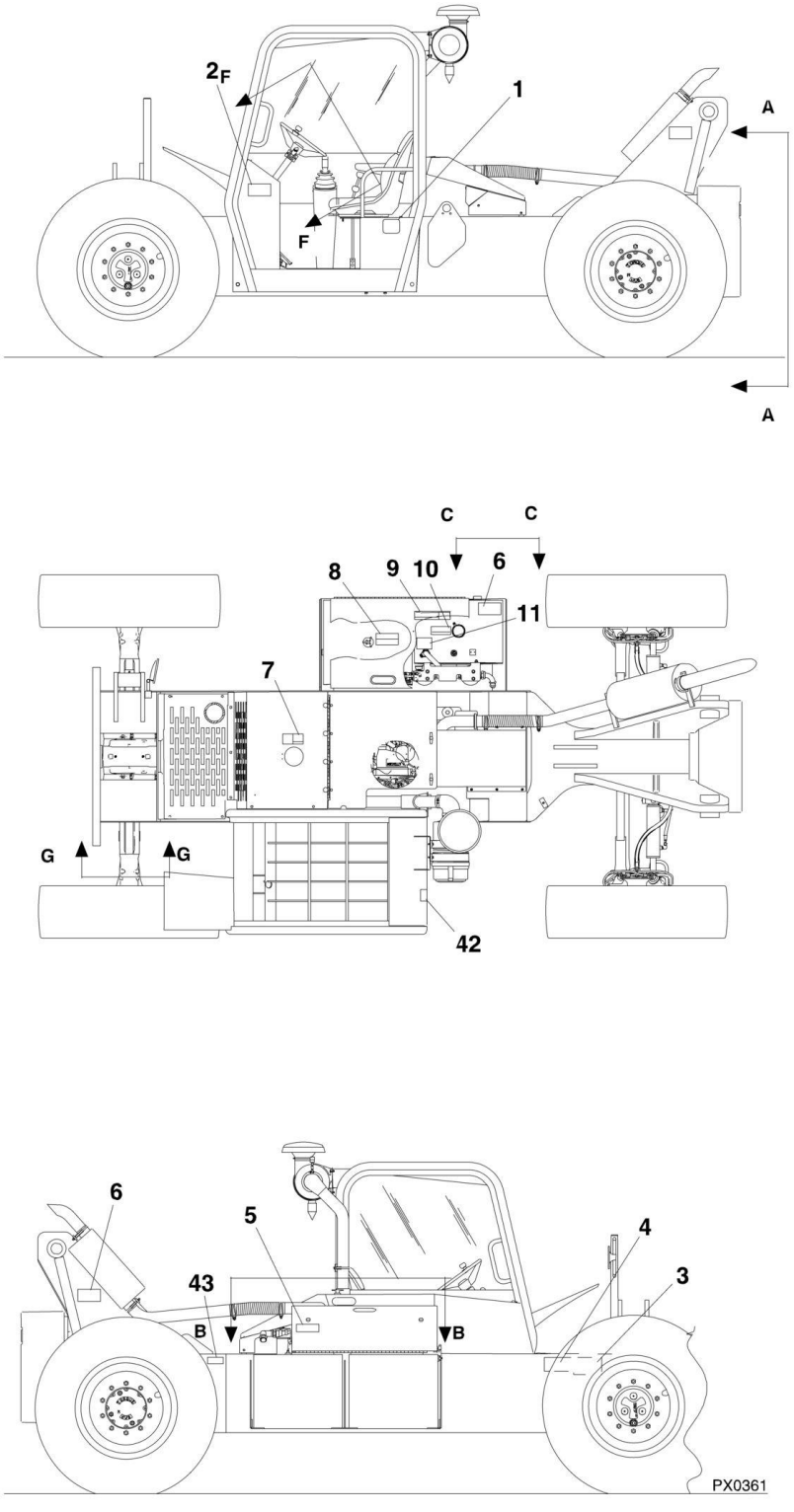


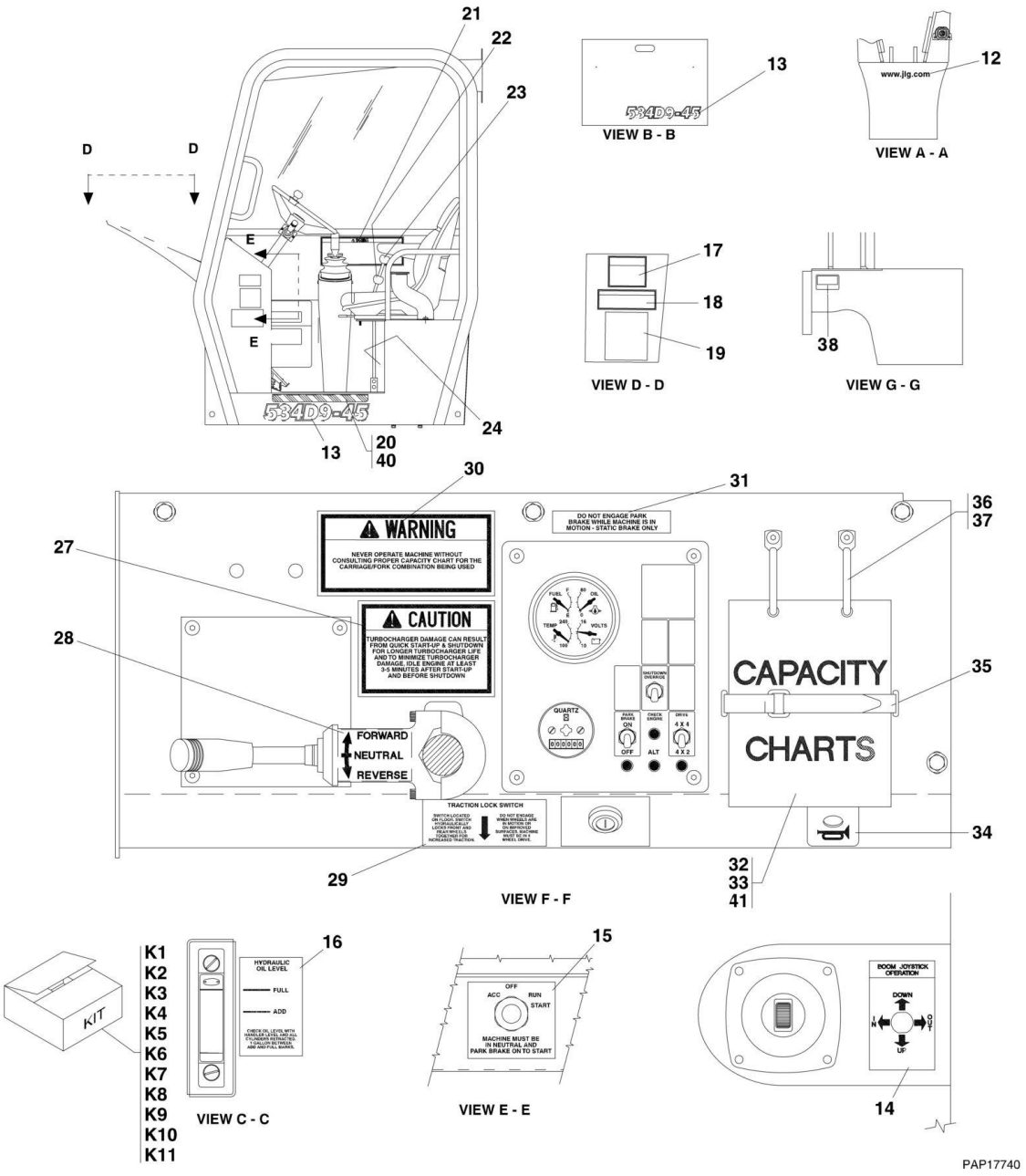
FIGURE 11-3. FRAME DECALS - 534D-9 (534D-9 SN 0160001051 through 0160003958)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91163087	2	LOAD CHART BRACKET	
2	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
3	91343069	1	LOAD CHART - 6 FT SWING MAST, 60, FORKS	
4	91163184	1	CAPACITY CHART COVER	
5	91343005	1	LOAD CHART - INSTRUCTIONS	
6	91343064	1	LOAD CHART - STD CARRIAGE W/WINCH	
7	91343016	1	TURBO CHARGER DECAL	
8	91343204	1	LOAD CHART - WORK PLATFORM	
9	91143120	1	INSTRUMENT PANEL DECAL	
10	91083314	1	TRACTION DECAL	
11	91163028	1	SHIFTER DECAL	
12	91033089	1	HORN DECAL	
13	91343067	1	LOAD CHART - 6 FT MAST	
14	80603026	1	CAUTION DECAL	
15	91143281	1	WARNING DECAL	
16	91143280	1	WARNING DECAL	
17	91143286	1	WARNING DECAL	
18	91083492	2	OIL WARNING DECAL	
19	91143288	1	HYDRAULIC DECAL	
20	91143162	1	TEST PORT DECAL	
21	91163130	1	OIL LEVEL DECAL	
22	80603022	1	ACCIDENT PREVENTION DECAL	
23	90553027	1	LIFTING PERSONEL DECAL	
24	91343073	1	SERVICE INSTRUCTION PLATE	
25	91143283	1	WARNING DECAL	
26	90553028	1	WARNING DECAL	
27	91143285	1	INSTRUCTION DECAL	
28	91323030	1	WARNING DECAL	
29	91363070	2	HINGED CLAMP **(Prior to SN 0160002442)**	
29	91553063	1	VELCRO STRAP **(SN 0160002442 through 0160003958)**	
30	91303047	1	BOOM OPERATION DECAL	
31	3251813	1	MADE IN USA DECAL	
32	91143284	1	WARNING DECAL	
33	91143282	3	WARNING DECAL	
34	91343066	1	LOAD CHART - 10 FT TRUSS BOOM	
35	N.S.S.	1	SN AND ATTACHMENT PLATE	
36	91083318	1	SWAY DECAL	
37	91083317	1	TILT DECAL	
38	91143182	1	PARK BRAKE DECAL	
39	91363032	1	LABEL AND INSTRUCTION GROUP	
40	91343063	1	LOAD CHART - SLOPE PILER	
41	91343065	1	LOAD CHART - 100 SWING CARRIAGE	
K1	91535006	1	FRAME DECALS 534D-9 DECAL KIT, (white), (includes items 7, 9 thru 12, 14, 15, 17 thru 28, 30 thru 33 & 36 thru 38 on FRAME DECALS - 534D-9, plus items 5 thru 18 on BOOM DECALS)	E

SECTION 11 - DECALS

FIGURE 11-4. FRAME DECALS - 534D-9 (534D-9 SN 0160003965 to Present)




21
22
23
D
D
E
E
534D9-45
13
20
40
24
VIEW B - B
13
www.jlg.com
12
VIEW A - A
17
18
19
VIEW D - D
38
VIEW G - G
30
31
36
37
27
28
WARNING
NEVER OPERATE MACHINE WITHOUT CONSULTING PROPER CAPACITY CHART FOR THE CARRIAGE/FORK COMBINATION BEING USED
CAUTION
TURBOCHARGER DAMAGE CAN RESULT FROM QUICK START-UP & SHUTDOWN FOR LONGER TURBOCHARGER LIFE AND TO MINIMIZE TURBOCHARGER DAMAGE, IDLE ENGINE AT LEAST 3-5 MINUTES AFTER START-UP AND BEFORE SHUTDOWN
DO NOT ENGAGE PARK BRAKE WHILE MACHINE IS IN MOTION - STATIC BRAKE ONLY
FORWARD
NEUTRAL
REVERSE
TRACTION LOCK SWITCH
CAPACITY
CHARTS
35
34
29
32
33
41
VIEW F - F
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
KIT
HYDRAULIC OIL LEVEL
FULL
ADD
16
VIEW C - C
15
OFF
ACC
RUN
START
MACHINE MUST BE IN NEUTRAL AND PARK BRAKE ON TO START
VIEW E - E
BOOM JOYSTICK OPERATION
DOWN
IN
OUT
UP
14
PAP17740

SECTION 11 - DECALS

FIGURE 11-4. FRAME DECALS - 534D-9 (534D-9 SN 0160003965 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	3251813	1	MADE IN USA DECAL	
2	91143283	1	WARNING DECAL	
3	91143285	1	INSTRUCTIONAL DECAL	
4	91143284	1	WARNING DECAL	
5	91143281	1	WARNING DECAL	
6	91143282	3	WARNING DECAL	
7	80603026	1	CAUTION DECAL	
8	91143286	1	WARNING DECAL	
9	91083492	1	OIL WARNING DECAL **(SN 0160003965 through 0160035941, Excluding 0160034957)**	
10	91143288	1	HYDRAULIC DECAL **(SN 0160003965 through 0160035941, Excluding 0160034957)**	
11	91143162	1	TEST PORT DECAL	
12	1704885	1	WEBSITE DECAL	
13	1706192	2	FRAME DECALS 534D-9-45 DECAL **(SN 0160006437 to Present)**	
14	91303047	1	BOOM OPERATOR DECAL	
15	91143120	1	INSTRUMENT PANEL DECAL	
16	91163130	1	OIL LEVEL DECAL	
17	80603022	1	DANGER DECAL	
18	90553027	1	WARNING DECAL	
19	91343073	1	SERVICE INSTRUCTION PLATE	
20	91363128	1	NON SKID FLOOR DECAL	
21	90553028	1	WARNING DECAL	
22	91083318	1	SWAY DECAL	
23	91083317	1	TILT DECAL	
24	91083492	1	OIL WARNING DECAL **(SN 0160003965 through 0160035941, Excluding 0160034957)**	
27	91343016	1	TURBOCHARGER DECAL	
28	91163028	1	SHIFTER DECAL	
29	91083314	1	TRACTION DECAL **(SN 0160003965 through 0160035941, Excluding 0160034957)**	
30	91323030	1	WARNING DECAL	
31	91143182	1	PARK BRAKE DECAL	
32	91163184	1	CAPACITY CHART COVER **(SN 0160003965 through 0160037688)**	
32	1001112753	1	CAPACITY CHART COVER **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
33	91343005	1	LOAD CHART INSTRUCTIONS	
34	91033089	1	HORN DECAL	
35	91553063	1	VELCRO STRAP	
36	91163087	2	LOAD CHART BRACKET	
37	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
38	N.S.S.	1	SN PLATE	
40	91363140	1	NON SKID FLOOR DECAL	
41	1001112753	1	LOAD FRONT COVER **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
41	91343064	1	LOAD CHART, CARRIAGE **(SN 0160003965 through 0160037688)**	
41	1001106038	1	LOAD CHART, CARRIAGE, **(534D-9 SN 0160038519 to Present)**	
41	91343063	1	LOAD CHART, SLOPE PILER **(SN 0160003965 through 0160037688)**	
41	91343065	1	LOAD CHART, SWING CARRIAGE **(SN 0160003965 through 0160037688)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001106088	1	LOAD CHART, SWING CARRIAGE **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
41	1001106063	1	LOAD CHART, TILT CARRIAGE **(534D-9 SN 0160038519 to Present)**	
41	91343066	1	LOAD CHART, 10 FT TRUSS BOOM **(SN 0160003965 through 0160037688)**	
41	1001106138	1	LOAD CHART, 15FT TRUSS BOOM **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
41	91343067	1	LOAD CHART, MAST **(SN 0160003965 through 0160037688)**	
41	91343069	1	LOAD CHART, 100 SWING MAST **(SN 0160003965 through 0160037688)**	
41	91343204	1	LOAD CHART, PERSONNEL PLATFORM **(SN 0160003965 through 0160037688)**	
41	1001106113	1	LOAD CHART, 102 IN BUCKET **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
41	1001110406	1	LOAD CHART BOOKLET, (includes following three items) **(SN 0160038519 to Present)**	2
41	1001106192	1	GRAPPLE BUCKET	
41	1001106227	1	TRUSS BOOM WITH WINCH	
41	1001106297	1	VERTICAL MAST	
42	1706300	1	ETHER DECAL **(SN 0160035983 to Present, Including 0160034957)**	
43	91143280	1	WARNING DECAL **(SN 0160003965 through 0160027138)**	
K1	91535006	1	FRAME DECALS 534D-9 DECAL KIT, (white), (includes items 1 thru 19, 21 thru 23, 27 thru 31, 34 & 5 thru 17 on BOOM DECALS) **(Prior to SN 0160012548)**	E
K2	91535006	1	FRAME DECALS 534D-9 DECAL KIT, (white), (includes items 1 thru 19, 21 thru 23, 27 thru 31, 34 & 2 thru 7, 17 & 91553072 on BOOM DECALS) **(SN 0160012580 to Present)**	F
K3	91345050	1	FRAME DECALS 534D-9 DECAL KIT, (Spanish)	
K4	91345048	1	FRAME DECALS 534D-9 DECAL KIT, (Portuguese)	
K5	91555026	1	NATIONS RENT DECAL KIT	
K6	91555027	1	NES RENTALS DECAL KIT	
K7	91365051	1	SUNBELT RENTALS DECAL KIT	
K8	91365074	1	UNITED RENTALS DECAL KIT	
K9	91555029	1	CORPORATE LOGOS DECAL KIT	
K10	91555028	1	H AND E RENTALS DECAL KIT	
K11	1001094648	1	RSC DECAL KIT	

FIGURE 11-5. FRAME DECALS - 534D-10 (534D-10 SN 0366001 through 0366088)

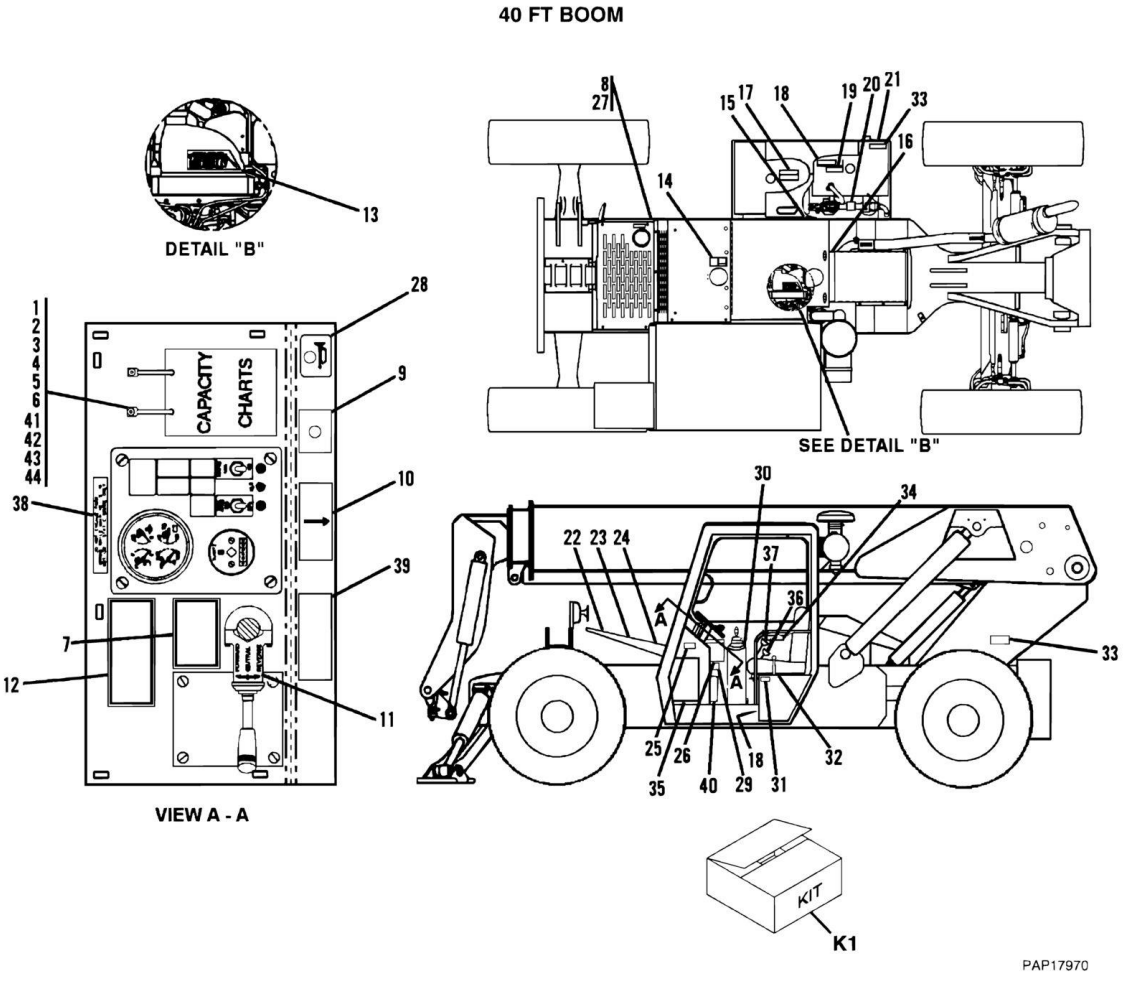


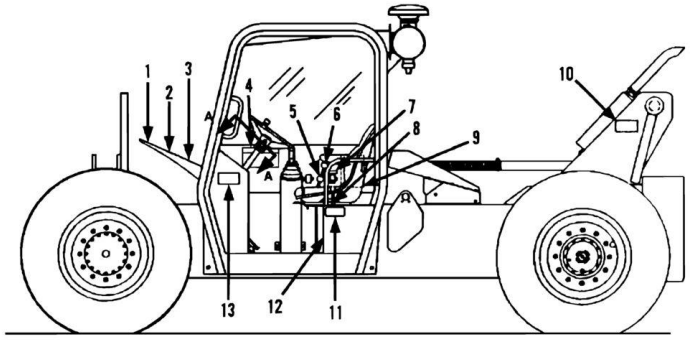
FIGURE 11-5. FRAME DECALS - 534D-10 (534D-10 SN 0366001 through 0366088)

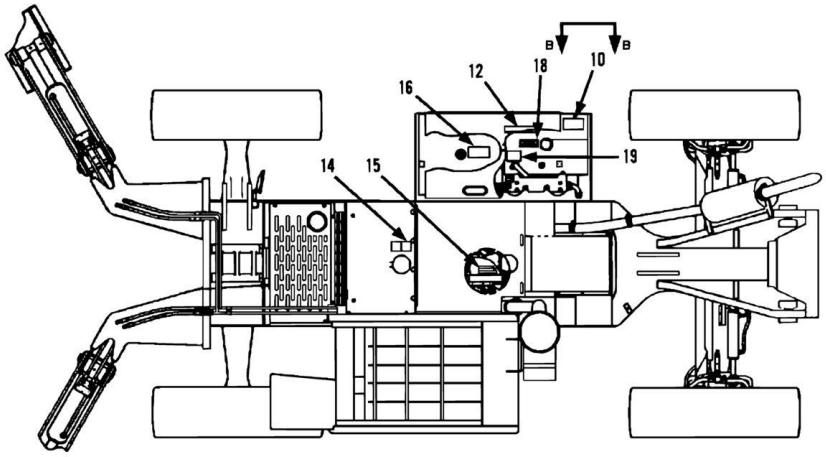
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91163087	2	LOAD CHART BRACKET	
2	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
3	91343069	1	CAPACITY CHART	
4	91163184	1	CAPACITY CHART COVER	
5	91353006	1	LOAD CHART	
6	91353008	1	LOAD CHART, (carriages w/winches)	
7	91343016	1	TURBOCHARGER DECAL	
8	91143284	1	WARNING DECAL	
9	91143120	1	INSTRUMENT PANEL DECAL	
10	91083314	1	TRACTION DECAL	
11	91163028	1	SHIFTER DECAL	
12	91163212	1	WARNING DECAL	
13	91163256	1	INSTRUCTION DECAL	
14	80603026	1	CAUTION DECAL	
15	91143281	1	WARNING DECAL	
16	91143280	1	WARNING DECAL	
17	91143286	1	WARNING DECAL	
18	91083492	2	OIL WARNING DECAL	
19	91143288	1	HYDRAULIC OIL PLATE	
20	91143162	1	TEST PORT DECAL	
21	91163130	1	OIL LEVEL DECAL	
22	80603022	1	ACCIDENT PREVENTION DECAL	
23	90553027	1	LIFTING PERSONNEL DECAL	
24	91343020	1	SERVICE INSTRUCTION DECAL	
25	91143283	1	WARNING DECAL	
26	90553028	1	WARNING DECAL	
27	91143285	1	INSTRUCTION DECAL	
28	91033089	1	HORN DECAL	
29	91003030	1	PATENT DECAL	
30	91303047	1	BOOM OPERATION DECAL	
31	77333027	1	MADE IN USA DECAL	
32	91023006	1	STABILIZER DECAL, (outrigger)	
33	91143282	3	WARNING DECAL	
34	91143292	1	DIPSTICK DECAL	
35	N.S.S.	1	SN AND ATTACHMENT PLATE	
36	91083318	1	SWAY DECAL	
37	91083317	1	TILT DECAL	
38	91143182	1	PARK BRAKE DECAL	
39	91143202	1	INSTRUCTION DECAL	
40	91363032	1	LABEL AND INSTRUCTION GROUP	
41	91353010	1	LOAD CHART - SLOPE PILER	
42	91353011	1	LOAD CHART - 6 FT MAST	
43	91353012	1	LOAD CHART - 10 FT TRUSS BOOM	
44	91353063	1	LOAD CHART - WORK PLATFORM	
K1	91155038	1	FRAME DECALS 534d-10 decal kit, (white), (includes items 7 thru 22, 24, 25, 27 thru 34 & 36 thru 39 on FRAME DECALS - 534D-10, plus 5 & 7 thru 17 on BOOM DECALS)	

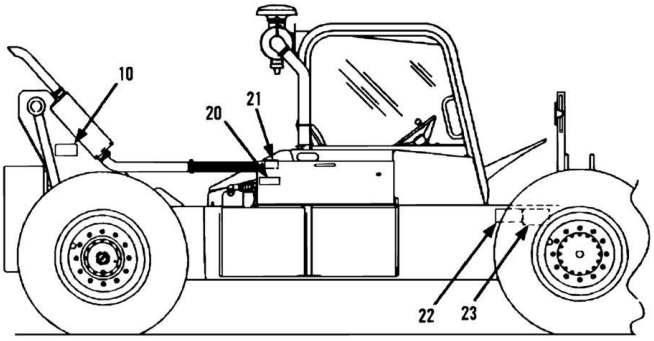
SECTION 11 - DECALS

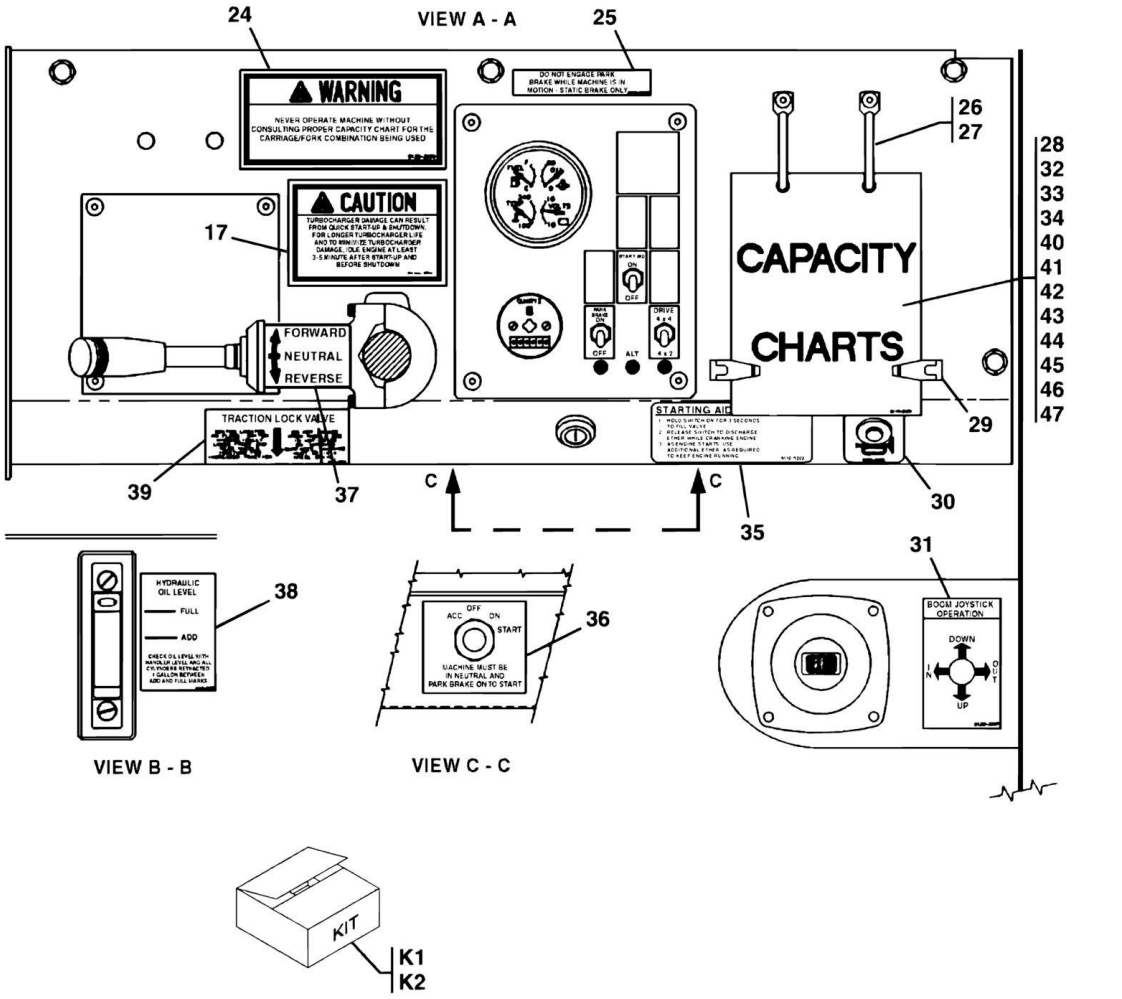
FIGURE 11-6. FRAME DECALS - 534D-10 (534D-10 SN 0366089 through 0366533; SN 0160000125 through 0160000974)

45 FT BOOM








VIEW A - A
24
25
WARNING
NEVER OPERATE MACHINE WITHOUT CONSULTING PROPER CAPACITY CHART FOR THE CARRIAGE/FORK COMBINATION BEING USED
DO NOT ENGAGE PARK BRAKE WHILE MACHINE IS IN MOTION - STATIC BRAKE ONLY
CAUTION
TURBOCHARGER DAMAGE CAN RESULT FROM QUICK START-UP & SHUTDOWN. FOR LONGER TURBOCHARGER LIFE AND TO MINIMIZE TURBOCHARGER DAMAGE, IDLE ENGINE AT LEAST 3-5 MINUTES AFTER START-UP AND BEFORE SHUTDOWN
17
FORWARD
NEUTRAL
REVERSE
TRACTION LOCK VALVE
39
37
C
C
35
CAPACITY
CHARTS
26
27
28
32
33
34
40
41
42
43
44
45
46
47
29
30
31
BOOM JOYSTICK OPERATION
DOWN
IN
OUT
UP
HYDRAULIC OIL LEVEL
FULL
ADD
38
VIEW B - B
OFF
ACC
ON
START
MACHINE MUST BE IN NEUTRAL AND PARK BRAKE ON TO START
36
VIEW C - C
KIT
K1
K2

PAP17980

SECTION 11 - DECALS

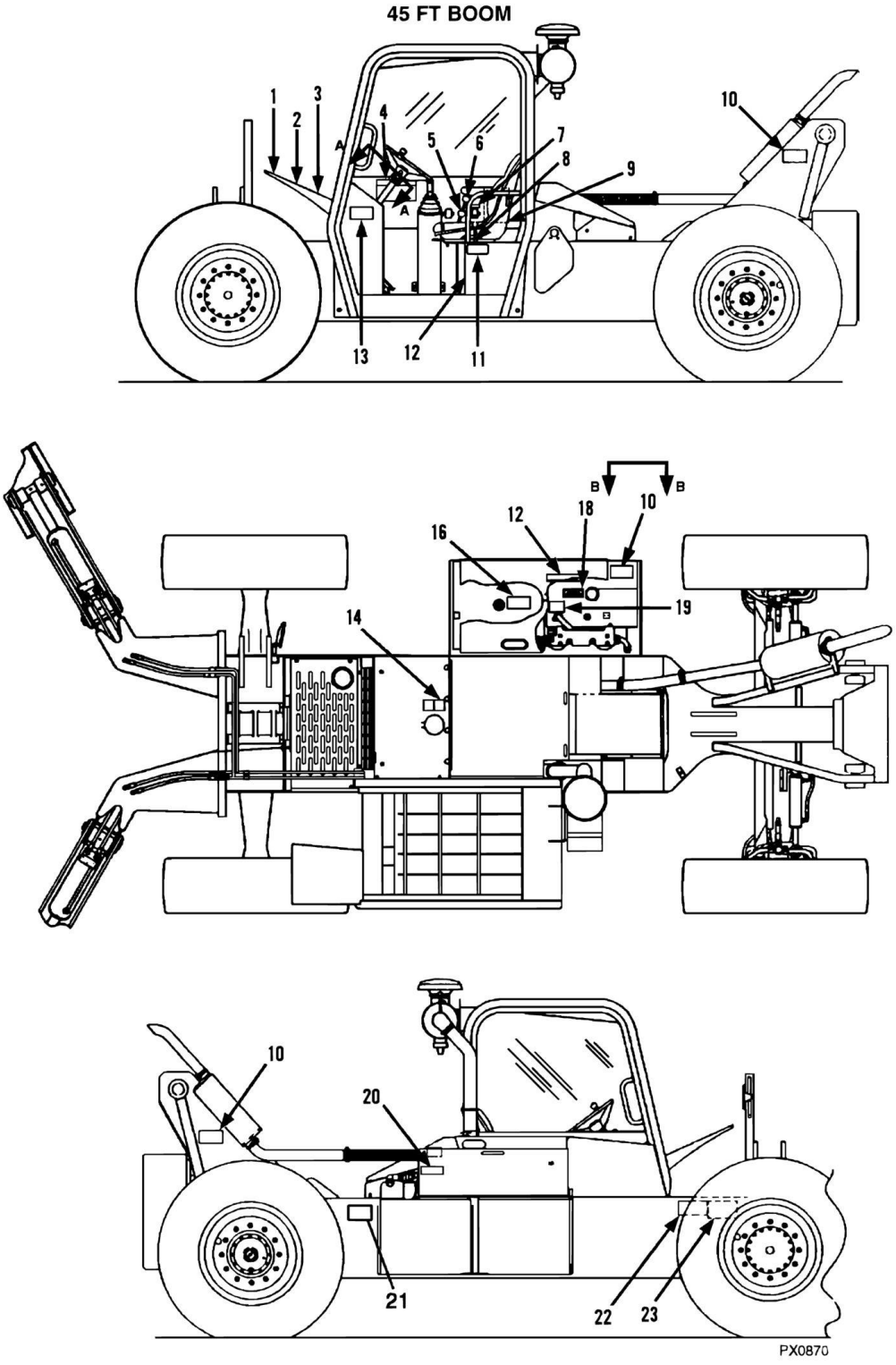
FIGURE 11-6. FRAME DECALS - 534D-10 (534D-10 SN 0366089 through 0366533; SN 0160000125 through 0160000974)

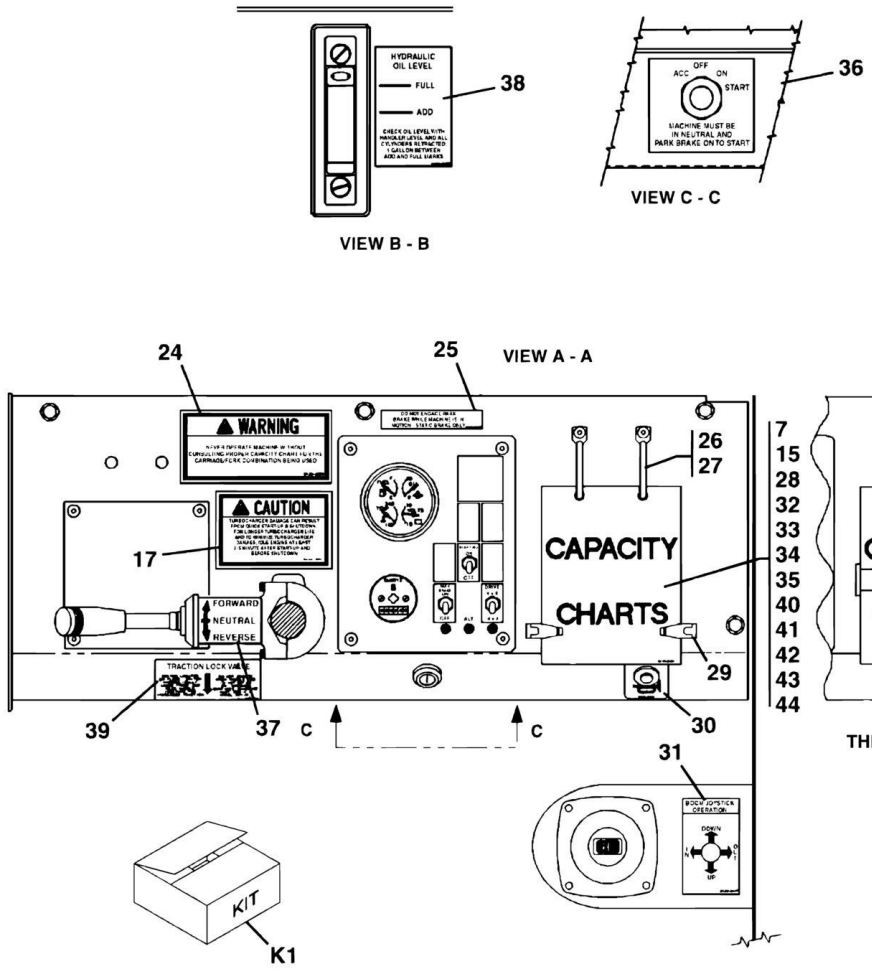
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80603022	1	DANGER DECAL	
2	90553027	1	WARNING DECAL	
3	91343020	1	SERVICE INSTRUCTION PLATE **(SN 0366089 through 0366342)**	
3	91343073	1	SERVICE INSTRUCTION PLATE **(SN 0366343 through 0160000974)**	
4	90553028	1	WARNING DECAL	
5	91083318	1	SWAY DECAL	
6	91083317	1	TILT DECAL	
7	91143292	1	DIP STICK DECAL	
8	91023006	1	STABILIZER DECAL	
9	N.S.S.	1	SN AND ATTACHMENT PLATE	
10	91143282	3	WARNING DECAL	
11	77333027	1	MADE IN USA DECAL	
12	91083492	2	OIL WARNING DECAL	
13	91143283	1	WARNING DECAL	
14	80603026	1	CAUTION DECAL	
15	91163256	1	INSTRUCTION DECAL	
16	91143286	1	WARNING DECAL	
17	91343016	1	TURBOCHARGER DECAL	
18	91143288	1	HYDRAULIC DECAL	
19	91143162	1	TEST PORT DECAL	
20	91143281	1	WARNING DECAL	
21	91143280	1	WARNING DECAL	
22	91143284	1	WARNING DECAL	
23	91143285	1	INSTRUCTION DECAL	
24	91163212	1	WARNING DECAL	
25	91143182	1	PARK BRAKE DECAL	
26	91163087	2	LOAD CHART BRACKET	
27	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
28	91353026	2	LOAD CHART - 180, SWING CARRIAGE	
29	91363070	2	HINGED CLAMP	
30	91033089	1	HORN DECAL	
31	91303047	1	BOOM OPER. DECAL	
32	91163184	1	CAPACITY CHART COVER	
33	91353006	1	LOAD CHART - INSTRUCTIONS	
34	91353009	1	LOAD CHART - STD CARRIAGES W/WINCH	
35	91143202	1	INSTRUCTION DECAL	
36	91143120	1	INSTRUMENT PANEL DECAL	
37	91163028	1	SHIFTER DECAL	
38	91163130	1	OIL LEVEL DECAL	
39	91083314	1	TRACTION DECAL	
40	91353019	1	LOAD CHART - SLOPE PILER	
41	91353020	1	LOAD CHART - 6 FT MAST	
42	91353022	1	LOAD CHART - TRUSS BOOM	
43	91353024	1	LOAD CHART - 6 FT 100 SWING MAST	
44	91353027	1	LOAD CHART - 6 FT 100 SWING MAST W/60, FORKS	
45	91353021	1	LOAD CHART - 100 SWING CARRIAGE	
46	91353063	1	LOAD CHART - WORK PLATFORM	
47	90554001	1	PLATFORM MANUAL	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K1	91355010	1	FRAME DECALS 534D-10-45 DECAL KIT, (white), (includes items 1, 3, 5 thru 8, 10 thru 25, 30, 31, 35 thru 39 on FRAME DECALS - 534D-10, 45 ft Boom and items 1 thru 11 on BOOM DECALS, 45 ft Boom) **(SN 0366089 through 0366342)**	
K2	91355022	1	FRAME DECALS 534D-10-45 DECAL KIT, (white), (includes items 1 thru 8, 10 thru 25, 30, 31, 35 thru 39 on FRAME DECALS - 534D-10, 45 ft Boom and items 1 thru 13 on BOOM DECALS, 45 ft Boom) **(SN 0366343 through 0160000974)**	

SECTION 11 - DECALS

FIGURE 11-7. FRAME DECALS - 534D-10 (534D-10 SN 0160000978 through 0160003933)




HYDRAULIC OIL LEVEL
FULL
ADD
38
VIEW B - B
OFF
ACC
ON
START
MACHINE MUST BE IN NEUTRAL AND PARK BRAKE ON TO START
36
VIEW C - C
24
25
VIEW A - A
WARNING
CAUTION
17
FORWARD
NEUTRAL
REVERSE
TRACTION LOCK VALVE
39
37
C
C
CAPACITY
CHARTS
26
27
29
30
31
7
15
28
32
33
34
35
40
41
42
43
44
CAPACITY
CHARTS
29
SN 0160002439
THROUGH 0160003933
KIT
K1

PAP17990

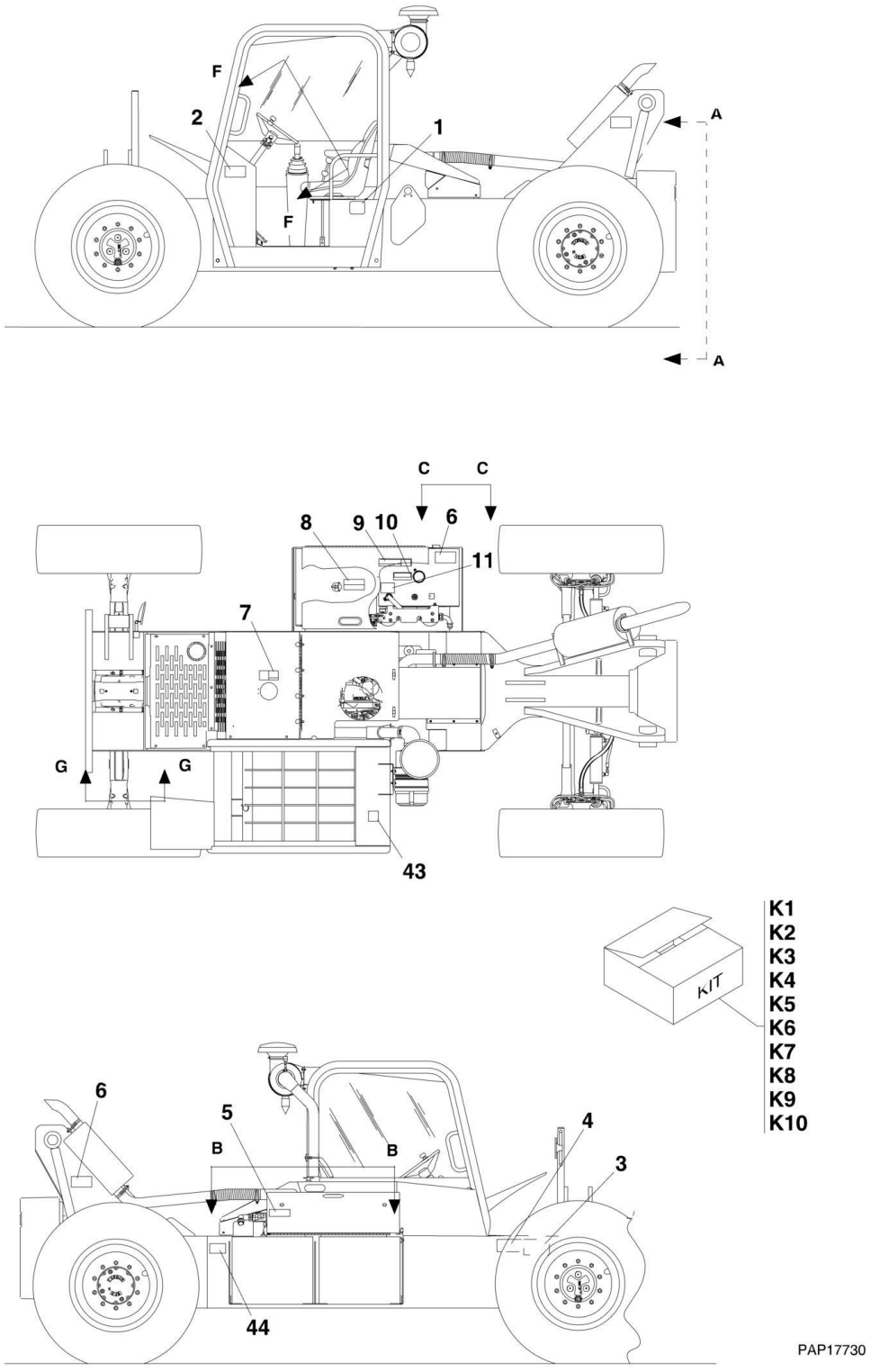
SECTION 11 - DECALS

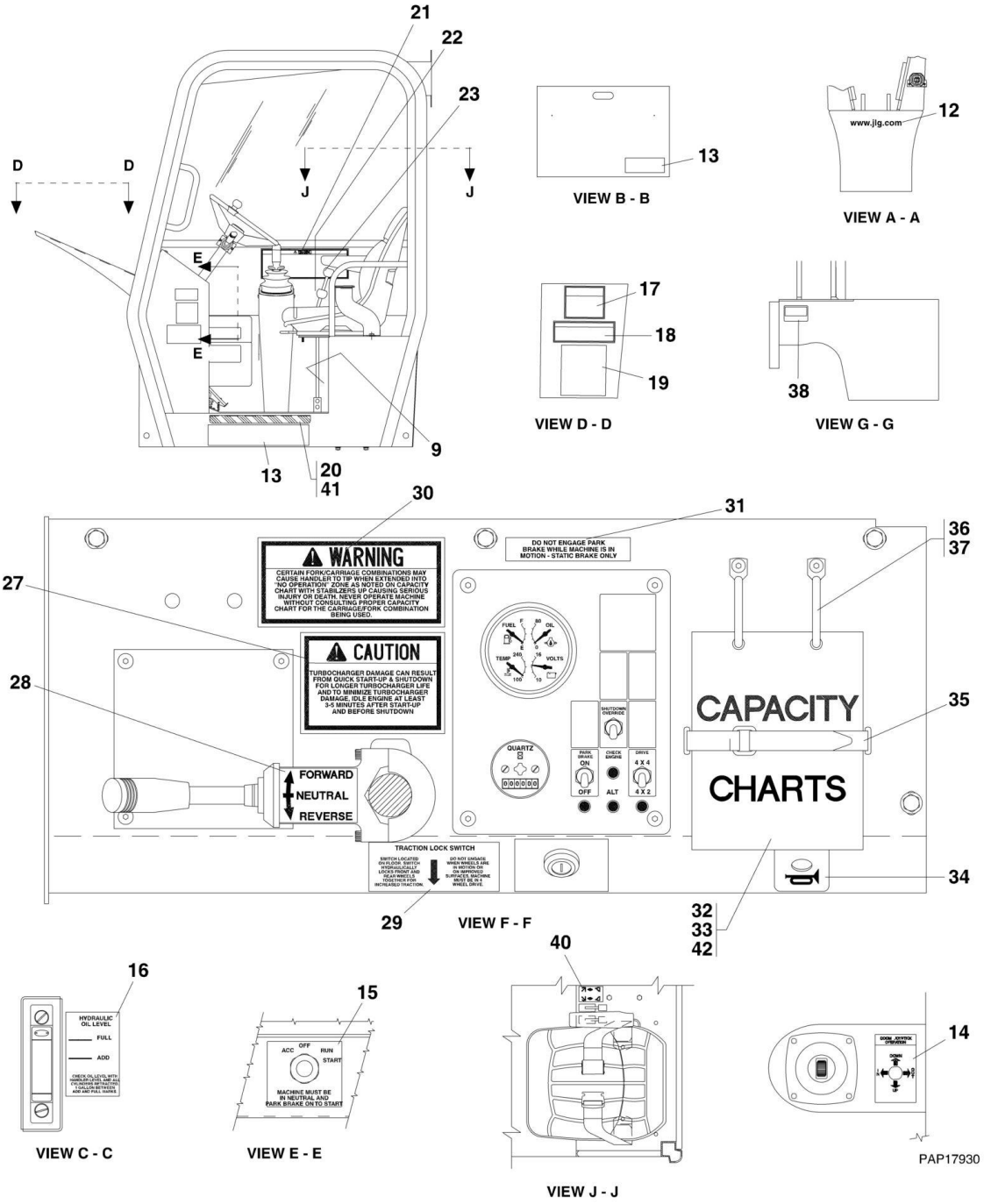
FIGURE 11-7. FRAME DECALS - 534D-10 (534D-10 SN 0160000978 through 0160003933)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80603022	1	DANGER DECAL	
2	90553027	1	WARNING DECAL	
3	91343073	1	SERVICE INSTRUCTION PLATE	
4	90553028	1	WARNING DECAL	
5	91083318	1	SWAY DECAL	
6	91083317	1	TILT DECAL	
7	90554001	1	PLATFORM MANUAL	
8	91023006	1	STABILIZER DECAL	
9	N.S.S.	1	SN AND ATTACHMENT PLATE	
10	91143282	3	WARNING DECAL	
11	77333027	1	MADE IN USA DECAL	
12	91083492	2	OIL WARNING DECAL	
13	91143283	1	WARNING DECAL	
14	80603026	1	CAUTION DECAL	
15	91353021	1	LOAD CHART - 100 SWING CARRIAGE	
16	91143286	1	WARNING DECAL	
17	91343016	1	TURBOCHARGER DECAL	
18	91143288	1	HYDRAULIC DECAL	
19	91143162	1	TEST PORT DECAL	
20	91143281	1	WARNING DECAL	
21	91143280	1	WARNING DECAL	
22	91143284	1	WARNING DECAL	
23	91143285	1	INSTRUCTION DECAL	
24	91163212	1	WARNING DECAL	
25	91143182	1	PARK BRAKE DECAL	
26	91163087	2	LOAD CHART BRACKET	
27	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
28	91353026	2	LOAD CHART - 180, SWING CARRIAGE	
29	91363070	2	HINGED CLAMP **(Prior to SN 0160002439)**	
29	91553063	1	VELCRO STRAP **(SN 0160002439 through 0160003933)**	
30	91033089	1	HORN DECAL	
31	91303047	1	BOOM OPER. DECAL	
32	91163184	1	CAPACITY CHART COVER	
33	91353006	1	LOAD CHART - INSTRUCTIONS	
34	91353009	1	LOAD CHART - STD CARRIAGES W/WINCH	
35	91353063	1	LOAD CHART - WORK PLATFORM	
36	91143120	1	INSTRUMENT PANEL DECAL	
37	91163028	1	SHIFTER DECAL	
38	91163130	1	OIL LEVEL DECAL	
39	91083314	1	TRACTION DECAL	
40	91353019	1	LOAD CHART - SLOPE PILER	
41	91353020	1	LOAD CHART - 6 FT MAST	
42	91353022	1	LOAD CHART - TRUSS BOOM	
43	91353024	1	LOAD CHART - 6 FT 100 SWING MAST	
44	91353027	1	LOAD CHART - 6 FT 100 SWING MAST W/60, FORKS	
K1	91545005	1	FRAME DECALS 534D-10-45 DECAL KIT, (white), (includes items 1 thru 6, 8, 10 thru 14, 16 thru 20, 22 thru 30, 31, 36 thru 39, 45 on FRAME DECALS 534D-10 & items 1, 3 thru 13 on BOOM DECALS)	D

SECTION 11 - DECALS

FIGURE 11-8. FRAME DECALS - 534D-10 (534D-10 SN 0160003987 to Present)




21
22
23
D
D
J
J
E
E
F
9
13
20
41
VIEW B - B
13
www.jlg.com
12
VIEW A - A
17
18
19
VIEW D - D
38
VIEW G - G
30
31
36
37
27
28
WARNING
CERTAIN FORK/CARRIAGE COMBINATIONS MAY CAUSE HANDLER TO TIP WHEN EXTENDED INTO "NO OPERATION" ZONE AS NOTED ON CAPACITY CHART WITH STABILIZERS UP CAUSING SERIOUS INJURY OR DEATH. NEVER OPERATE MACHINE WITHOUT CONSULTING PROPER CAPACITY CHART FOR THE CARRIAGE/FORK COMBINATION BEING USED.
CAUTION
TURBOCHARGER DAMAGE CAN RESULT FROM QUICK START-UP & SHUTDOWN FOR LONGER TURBOCHARGER LIFE AND TO MINIMIZE TURBOCHARGER DAMAGE, IDLE ENGINE AT LEAST 3-5 MINUTES AFTER START-UP AND BEFORE SHUTDOWN
DO NOT ENGAGE PARK BRAKE WHILE MACHINE IS IN MOTION - STATIC BRAKE ONLY
FORWARD
NEUTRAL
REVERSE
TRACTION LOCK SWITCH
CAPACITY
CHARTS
35
34
32
33
42
29
VIEW F - F
16
HYDRAULIC OIL LEVEL
FULL
ADD
VIEW C - C
15
OFF
ACC
RUN
START
MACHINE MUST BE IN NEUTRAL AND PARK BRAKE ON TO START
VIEW E - E
40
VIEW J - J
14
PAP17930

SECTION 11 - DECALS

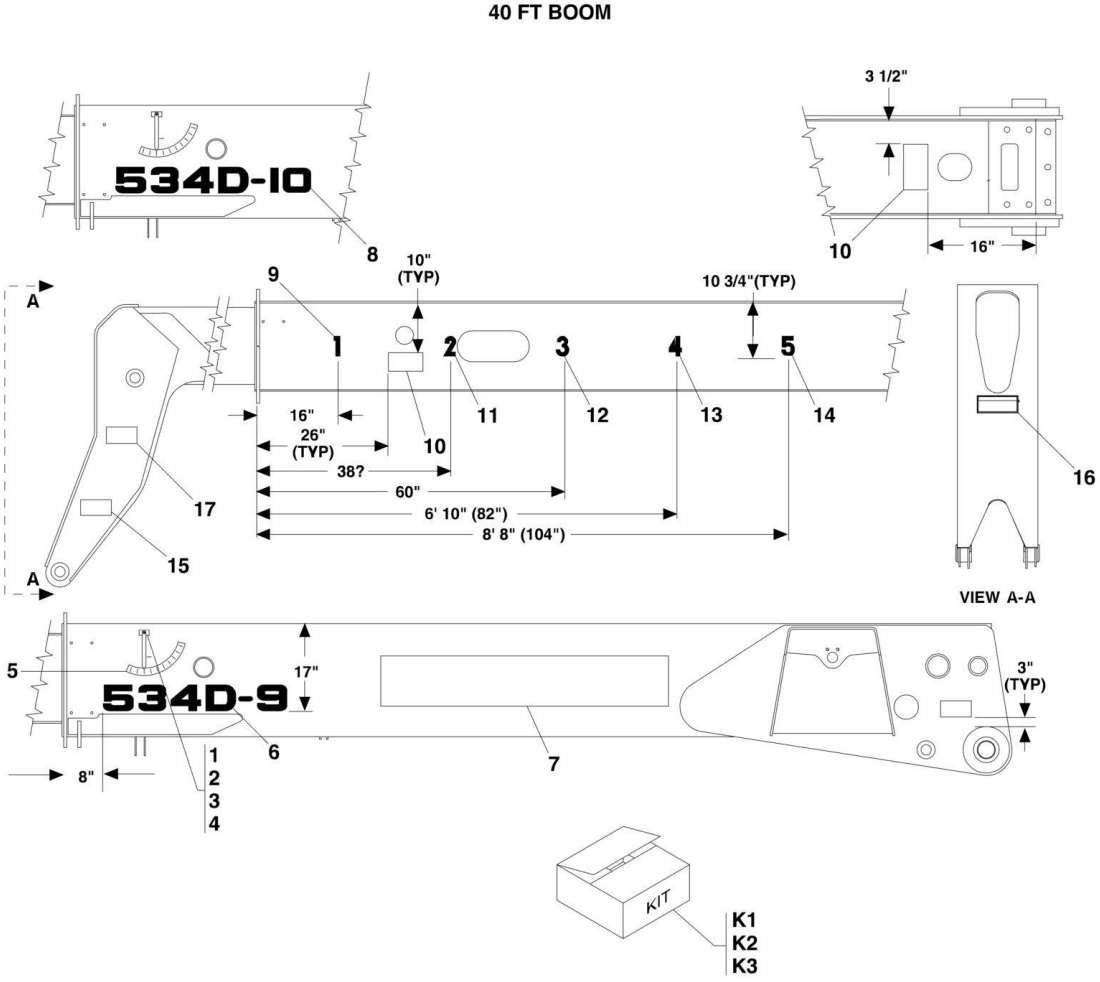
FIGURE 11-8. FRAME DECALS - 534D-10 (534D-10 SN 0160003987 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	3251813	1	MADE IN USA DECAL	
2	91143283	1	WARNING DECAL	
3	91143285	1	INSTRUCTION DECAL	
4	91143284	1	WARNING DECAL	
5	91143281	1	WARNING DECAL	
6	91143282	3	WARNING DECAL	
7	80603026	1	CAUTION DECAL	
8	91143286	1	WARNING DECAL	
9	91083492	2	OIL WARNING DECAL **(SN 0160003987 through 0160034816)**	
10	91143288	1	HYDRAULIC DECAL **(SN 0160003987 through 0160034816)**	
11	91143162	1	TEST PORT DECAL	
12	1704885	1	WEBSITE DECAL	
13	1706193	2	FRAME DECALS 534D-10-45 DECAL **(SN 0160006441 to Present)**	
14	91303047	1	BOOM OPERATOR DECAL	
15	91143120	1	INSTRUMENT PANEL DECAL	
16	91163130	1	OIL LEVEL DECAL	
17	80603022	1	DANGER DECAL	
18	90553027	1	WARNING DECAL	
19	91343073	1	SERVICE INSTRUCTION PLATE	
20	91363128	1	NON SKID FLOOR DECAL	
21	90553028	1	WARNING DECAL	
22	91083318	1	SWAY DECAL	
23	91083317	1	TILT DECAL	
27	91343016	1	TURBOCHARGER DECAL	
28	91163028	1	SHIFTER DECAL	
29	91083314	1	TRACTION DECAL **(SN 0160003987 through 0160034816)**	
30	91163212	1	WARNING DECAL	
31	91143182	1	PARK BRAKE DECAL	
32	91163184	1	CAPACITY CHART COVER	
33	91353006	1	LOAD CHART INSTRUCTIONS	
34	91033089	1	HORN DECAL	
35	91553063	1	VELCRO STRAP	
36	91163087	2	LOAD CHART BRACKET	
37	88261017	2	SOCKET BUTTON HD CAPSCREW, 1/4-20X7/8	
38	N.S.S.	1	SN PLATE	
40	91023006	1	STABILIZER DECAL **(SN 0160003987 through 0160034816)**	
41	91363140	1	NON SKID FLOOR DECAL	
42	91353009	1	LOAD CHART, CARRIAGE **(SN 0160003987 through 0160037688)**	
42	1001106039	1	LOAD CHART, CARRIAGE **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
42	91353019	1	LOAD CHART, SLOPE PILER **(SN 0160003987 through 0160037688)**	
42	1001106064	1	LOAD CHART, TILT CARRIAGE **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
42	91353020	1	LOAD CHART, 6 FT MAST **(SN 0160003987 through 0160037688)**	
42	91353021	1	LOAD CHART, DRYWALL/SWING CARRIAGE **(SN 0160003987 through 0160037688)**	
42	1001106089	1	LOAD CHART, SWING CARRIAGE **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
42	91353022	1	LOAD CHART, 10 FT TRUSS BOOM **(SN 0160003987 through 0160037688)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001106139	1	LOAD CHART, 15 FT TRUSS BOOM **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
42	91353024	1	LOAD CHART, 100 SWING MAST **(SN 0160003987 through 0160037688)**	
42	91543004	1	LOAD CHART, 180, SWING CARRIAGE **(SN 0160003987 through 0160037688)**	
42	91353027	1	LOAD CHART, 180, SWING MAST/FORKS **(SN 0160003987 through 0160037688)**	
42	91353063	1	LOAD CHART, PERSONNEL PLATFORM **(SN 0160003987 through 0160037688)**	
42	1001106164	1	LOAD CHART, PERSONNEL PLATFORM **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
42	1001106114	1	LOAD CHART, 102 IN BUCKET **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
42	1001110407	1	LOAD CHART BOOKLET, (includes following five items) **(SN 0160038445 to Present)**	2
42	1001106193	1	GRAPPLE BUCKET	
42	1001106228	1	TRUSS BOOM WITH WINCH	
42	1001106298	1	VERTICAL MAST	
42	1001106185	1	SWING CARRIAGE	
42	1001111243	1	VERTICAL MAST BACK	
43	1706300	1	ETHER DECAL **(SN 0160035696 to Present)**	
44	91143280	1	WARNING DECAL **(SN 0160003987 through 0160027138)**	
K1	91545005	1	FRAME DECALS 534D-10 DECAL KIT, (white), (includes items 1 thru 19, 21 thru 23, 27 thru 31, 34, 39, 40, 44 & 2 thru 7, 18 & 91553072 on BOOM DECALS)	D
K2	91345050	1	FRAME DECALS 534d-10 decal kit, (spanish)	
K3	91345048	1	FRAME DECALS 534D-10 DECAL KIT, (Portuguese)	
K4	91555026	1	NATIONS RENT DECAL KIT	
K5	91555027	1	NES RENTALS DECAL KIT	
K6	91365051	1	SUNBELT RENTALS DECAL KIT	
K7	91365074	1	UNITED RENTALS DECAL KIT	
K8	91555029	1	CORPORATE LOGOS DECAL KIT	
K9	91555028	1	H AND E RENTALS DECAL KIT	
K10	1001094648	1	RSC DECAL KIT	

SECTION 11 - DECALS

FIGURE 11-9. BOOM DECALS (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)



NOTE:

ALL 534D-10 MACHINES AFTER SN 0366088 & 534D-9 MACHINES AFTER SN 0644118 MUST SEE BOOM DECALS FOR 45 FT BOOM.

NOTE:

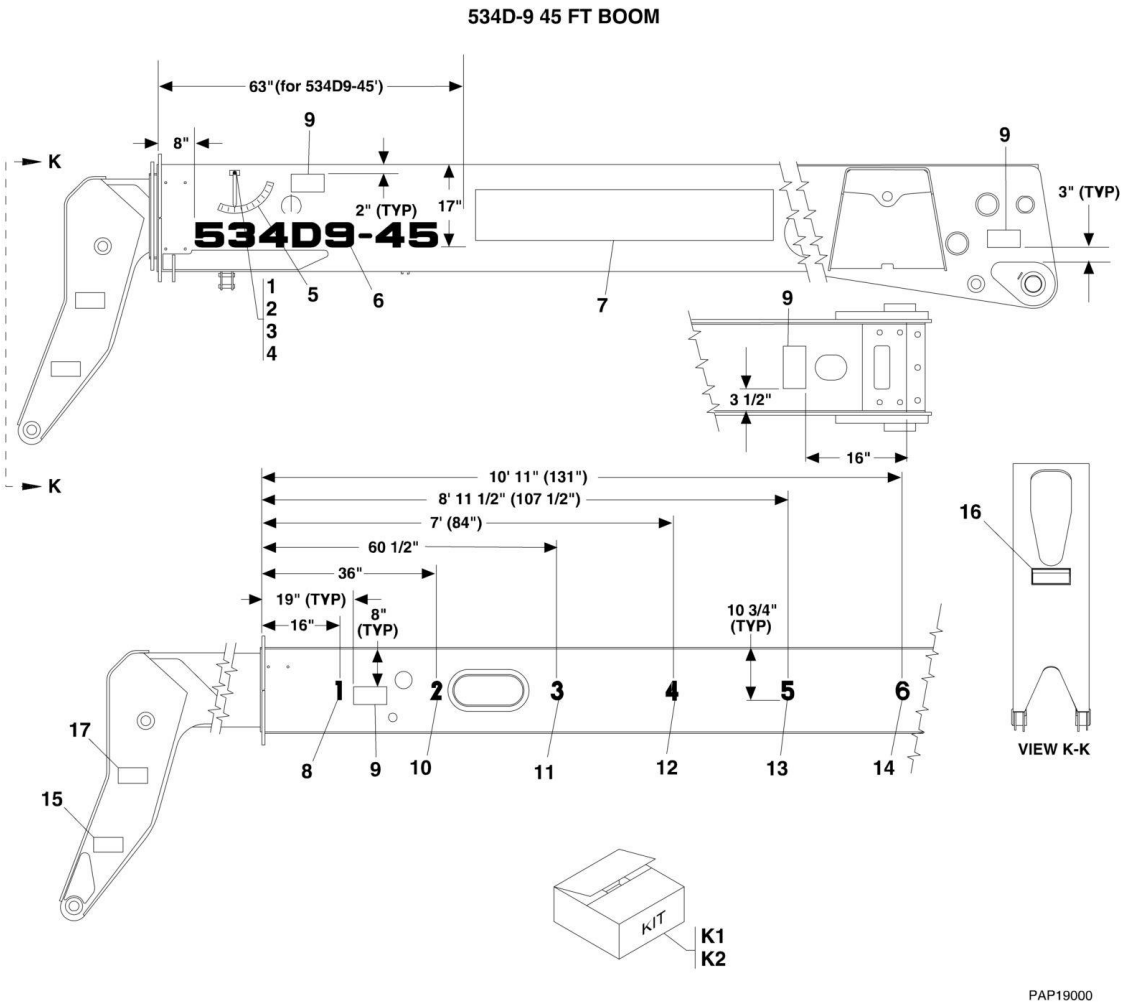
THE 91145038 & 91145039 DECAL KITS INCLUDE BOTH THE 534D-9 40 FT & 534D-9 45 FT BOOM DECALS. BE SURE TO USE THE CORRECT ONE FOR YOUR MACHINE.

FIGURE 11-9. BOOM DECALS (534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90200445	1	PENDULUM	
2	90200688	1	BEARING	
3	90026491	1	SHOULDER BOLT, 1/4-20	
4	91333036	1	SPECIAL WASHER	
5	91003031	1	BOOM ANGLE DECAL	
6	91143295	2	BOOM DECALS 534D-9 DECAL, WHITE, (std)	
6	91143296	2	BOOM DECALS 534D-9 DECAL, BLACK, (opt)	
7	91123037	2	GRADALL DECAL, WHITE, (std)	
7	91123038	2	GRADALL DECAL, BLACK, (opt)	
8	91153029	2	BOOM DECALS 534D-10 DECAL, WHITE, (std)	
8	91153030	2	BOOM DECALS 534D-10 DECAL, BLACK, (opt)	
9	91003016	1	"1" DECAL, WHITE, (std)	
9	91043134	1	"1" DECAL, BLACK, (opt)	
10	80603037	7	HOLE WARNING DECAL	
11	91003018	1	"2" DECAL, WHITE, (std)	
11	91043135	1	"2" DECAL, BLACK, (opt)	
12	91123042	1	"3" DECAL WHITE, (std)	
12	91123043	1	"3" DECAL, BLACK, (opt)	
13	91003020	1	"4" DECAL, WHITE, (std)	
13	91043136	1	"4" DECAL, BLACK, (opt)	
14	91123044	1	"5" DECAL, WHITE, (std)	
14	91123045	1	"5" DECAL, BLACK, (opt)	
15	91143290	1	WARNING DECAL	
16	90553026	1	WARNING DECAL	
17	91143282	2	WARNING DECAL	
K1	91145038	1	BOOM DECALS 534d-9 decal kit, (white), (includes items 7 thru 12, 14 thru 22, 24, 25, 27, 28, 30 thru 34, 36, 37 & 38 on FRAME DECALS - 534d-9, plus items 5, 6, 7, 9, 11 thru 15 & 17 on BOOM DECALS)	
K2	91155038	1	BOOM DECALS 534d-10 decal kit, (white), (includes items 7 thru 22, 24, 25, 27 thru 34 & 36 thru 39 on FRAME DECALS - 534d-10, plus 5 & 7 thru 17 on BOOM DECALS)	
K3	91553072	1	BOOM NUMBERS DECALS KIT, (white), (includes items 9, 11 thru 14)	

SECTION 11 - DECALS

FIGURE 11-10. BOOM DECALS - 534D-9 (534D-9 SN 0644119 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)



NOTE:

THE 91145038 & 91145039 DECAL KITS INCLUDE BOTH THE 534D-9 40 FT & 534D-9 45 FT BOOM DECALS. BE SURE TO USE THE CORRECT ONE FOR YOUR MACHINE.

FIGURE 11-10. BOOM DECALS - 534D-9 (534D-9 SN 0644119 through 0744407; SN 0160000112 through 0160000853, Excluding 0160000700)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90200445	1	PENDULUM	
2	90200688	1	BEARING	
3	90026491	1	SHOULDER BOLT, 1/4-20	
4	91333036	1	SPECIAL WASHER	
5	91003031	1	BOOM ANGLE DECAL	
6	91343070	2	BOOM DECALS 534D-9-45 DECAL, WHITE, (std)	
6	91343071	2	BOOM DECALS 534D-9-45 DECAL, BLACK, (opt)	
7	91123037	2	GRADALL DECAL, WHITE, (std)	
7	91123038	2	GRADALL DECAL, BLACK, (opt)	
8	91003016	1	"1" DECAL, WHITE, (std)	
8	91043134	1	"1" DECAL, BLACK, (opt)	
9	80603037	7	HOLE WARNING DECAL	
10	91003018	1	"2" DECAL, WHITE, (std)	
10	91043135	1	"2" DECAL, BLACK, (opt)	
11	91123042	1	"3" DECAL, WHITE, (std)	
11	91123043	1	"3" DECAL, BLACK, (opt)	
12	91003020	1	"4" DECAL, WHITE, (std)	
12	91043136	1	"4" DECAL, BLACK, (opt)	
13	91123044	1	"5" DECAL, WHITE, (std)	
13	91123045	1	"5" DECAL, BLACK, (opt)	
14	91163077	1	"6" DECAL, WHITE, (std)	
14	91163078	1	"6" DECAL, BLACK, (opt)	
15	91143290	1	WARNING DECAL	
16	90553026	1	WARNING DECAL	
17	91143282	2	WARNING DECAL	
K1	91345039	1	BOOM DECALS 534d-9 decal kit, (white), (includes items 7 thru 12, 14 thru 28, 30 thru 34, 36, 37 & 38 on FRAME DECALS - 534D-9, plus items 5 thru 17 on BOOM DECALS)	
K2	91553072	1	BOOM NUMBERS DECALS KIT, (white), (includes items 8, 10 thru 14)	

SECTION 11 - DECALS

FIGURE 11-11. BOOM DECALS - 534D-9 (534D-9 SN 0160001051 through 0160012548; Including 0160000700)

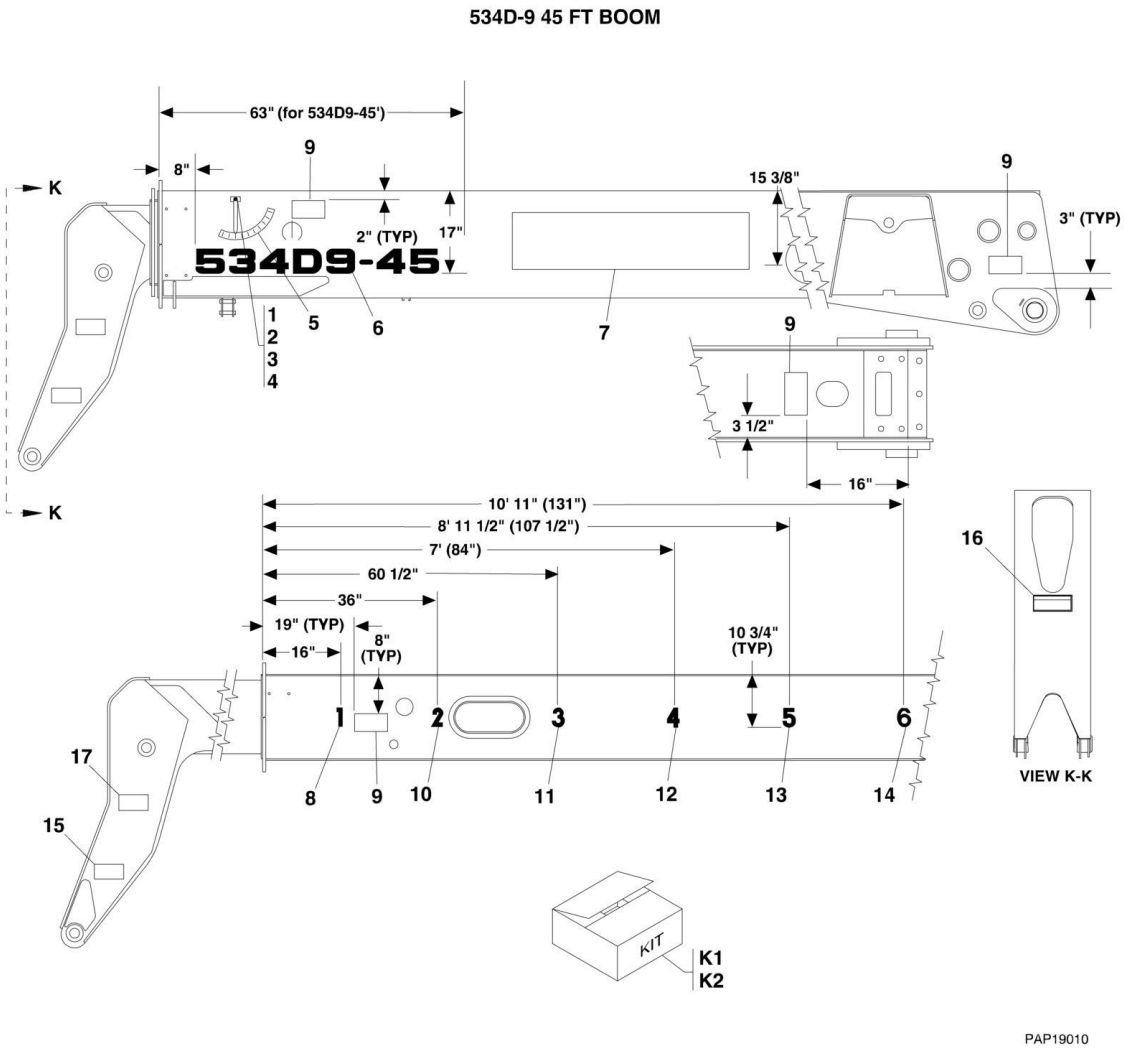


FIGURE 11-11. BOOM DECALS - 534D-9 (534D-9 SN 0160001051 through 0160012548; Including 0160000700)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90200445	1	PENDULUM	
2	90200688	1	BEARING	
3	90026491	1	SHOULDER BOLT, 1/4-20	
4	91333036	1	SPECIAL WASHER	
5	91003031	1	BOOM ANGLE DECAL	
6	91343070	2	BOOM DECALS 534D-9-45 DECAL, WHITE **(Prior to SN 0160006437)**	
6	91343071	2	BOOM DECALS 534D-9-45 DECAL, WHITE **(Prior to SN 0160006437)**	
6	1706192	2	BOOM DECALS 534D-9-45, DECAL **(SN 0160006437 through 0160012548)**	
7	91123037	2	GRADALL DECAL, WHITE, (std), (no longer supplied with decal kit)	
7	91123038	2	GRADALL DECAL, BLACK, (opt), (no longer supplied with decal kit)	
8	91003016	1	"1" DECAL, WHITE, (std)	
8	91043134	1	"1" DECAL, BLACK, (opt)	
9	80603037	7	HOLE WARNING DECAL	
10	91003018	1	"2" DECAL, WHITE, (std)	
10	91043125	1	"2" DECAL, BLACK, (opt)	
11	91123042	1	"3" DECAL, WHITE, (std)	
11	91123043	1	"3" DECAL, BLACK, (opt)	
12	91003020	1	"4" DECAL, WHITE, (std)	
12	91043136	1	"4" DECAL, BLACK, (opt)	
13	91123044	1	"5" DECAL, WHITE, (std)	
13	91123045	1	"5" DECAL, BLACK, (opt)	
14	91163077	1	"6" DECAL, WHITE, (std)	
14	91163078	1	"6" DECLA, BLACK, (opt)	
15	91143290	1	WARNING DECAL	
16	90553026	1	WARNING DECAL	
17	91143282	2	WARNING DECAL	
K1	91535006	1	534D-9 DECAL KIT, (white), (includes items 7, 9 thru 12, 14, 15, 17 thru 28, 30 thru 33 & 36 thru 38 on Figure 11-1, plus items 5, 6, 8 thru 17 on Figure 11-3)	E
K2	91553072	1	BOOM NUMBERS DECALS KIT, (white), (includes items 8, 10 thru 14)	

SECTION 11 - DECALS

FIGURE 11-12. BOOM DECALS - 534D-10 (534D-10 SN 0366089 through 0366533; SN 0160000125 through 0160000974)

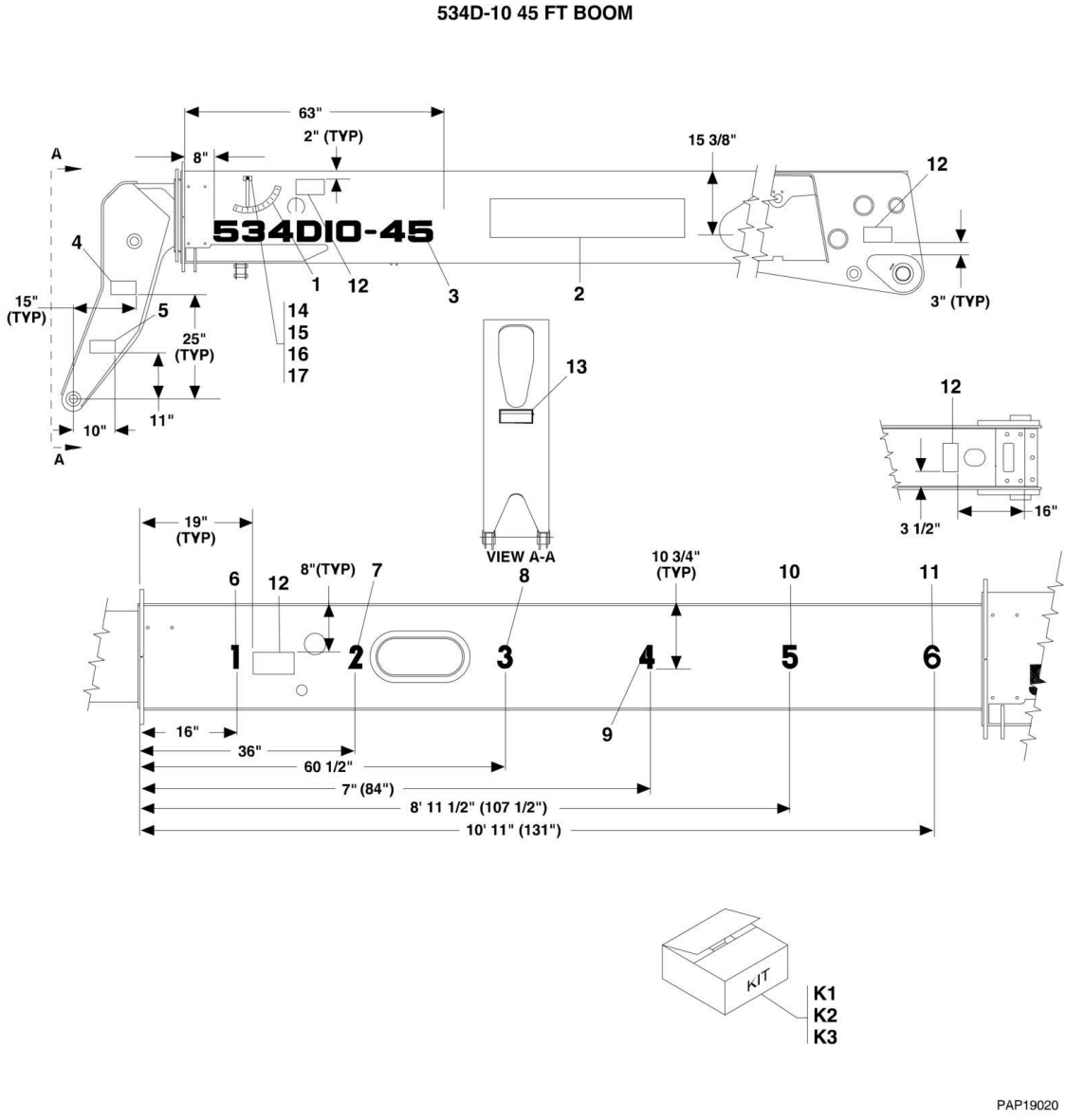


FIGURE 11-12. BOOM DECALS - 534D-10 (534D-10 SN 0366089 through 0366533; SN 0160000125 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91003031	1	BOOM ANGLE DECAL	
2	91123037	2	GRADALL DECAL, WHITE, (std)	
2	91123038	2	GRADALL DECAL, BLACK, (opt)	
3	91353014	2	BOOM DECALS 534D-10-45 DECAL, WHITE, (std)	
3	91353015	2	BOOM DECALS 534D-10-45 DECAL, BLACK, (opt)	
4	91143282	2	WARNING DECAL	
5	91143290	1	WARNING DECAL	
6	91003016	1	"1" DECAL, WHITE, (std)	
6	91043134	1	"1" DECAL, BLACK, (opt)	
7	91003018	1	"2" DECAL, WHITE, (std)	
7	91043135	1	"2" DECAL, BLACK, (opt)	
8	91123042	1	"3" DECAL, WHITE, (std)	
8	91123043	1	"3" DECAL, BLACK, (opt)	
9	91003020	1	"4" DECAL, WHITE, (std)	
9	91043136	1	"4" DECAL, BLACK, (opt)	
10	91123044	1	"5" DECAL, WHITE, (std)	
10	91123045	1	"5" DECAL, BLACK, (opt)	
11	91163077	1	"6" DECAL, WHITE, (std)	
11	91163078	1	"6" DECAL, BLACK, (opt)	
12	80603037	7	HOLE WARNING DECAL	
13	90553026	1	WARNING DECAL	
14	90200445	1	PENDULUM	
15	90200688	1	BEARING	
16	90026491	1	SHOULDER BOLT, 1/4-20	
17	91333036	1	SPECIAL WASHER	
K1	91355010	1	BOOM DECALS 534D-10-45 DECAL KIT, (white), (includes items 1, 3, 5 thru 8, 10 thru 25, 30, 31 & 35 thru 39 on FRAME DECALS - 534D-10, 45 ft Boom, plus items 1 thru 11 on BOOM DECALS, 45 ft Boom), **(SN 0366089 through 0366342)**	
K2	91355022	1	BOOM DECALS 534D-10-45 DECAL KIT, (white), (includes items 1 thru 8, 10 thru 25, 30, 31 & 35 thru 39 on FRAME DECALS - 534D-10, 45 ft Boom, plus items 1 thru 13 on BOOM DECALS, 45 ft Boom) **(SN 0366343 through 0160000974)**	
K3	91553072	1	BOOM NUMBERS DECALS KIT, (white), (includes items 6 thru 11)	

FIGURE 11-13. BOOM DECALS - 534D-10 (534D-10 SN 0160000978 through 0160012554)

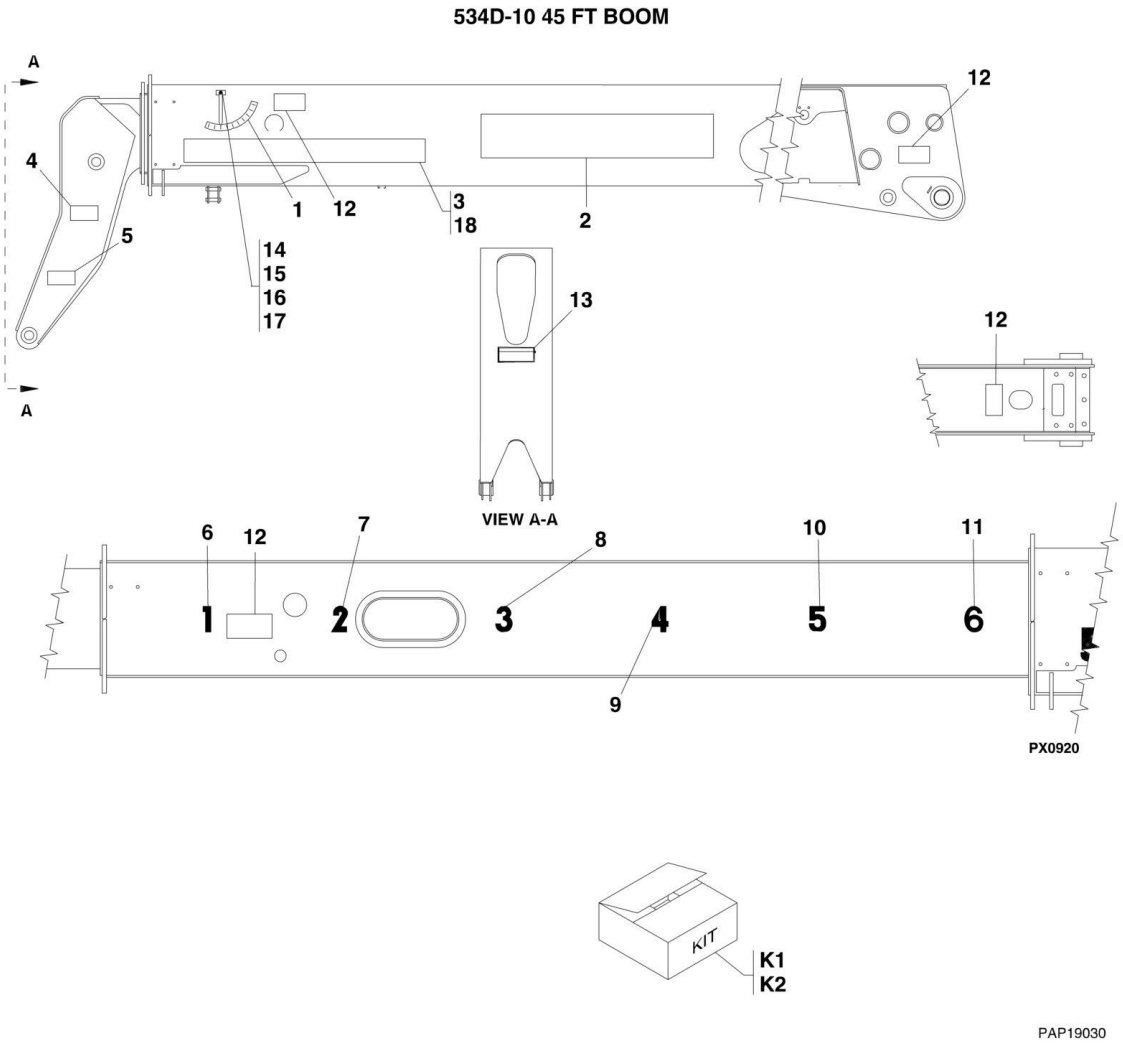


FIGURE 11-13. BOOM DECALS - 534D-10 (534D-10 SN 0160000978 through 0160012554)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91003031	1	BOOM ANGLE DECAL	
2	91123037	2	GRADALL DECAL, WHITE, (std), (no longer supplied with decal kit)	
2	91123038	2	GRADALL DECAL, BLACK, (opt), (no longer supplied with decal kit)	
3	91353014	2	BOOM DECALS 534D-10-45 DECAL, WHITE, (std) **(Prior to SN 0160006441)**	
3	91353015	2	BOOM DECALS 534D-10-45 DECAL, BLACK, (opt) **(Prior to SN 0160006441)**	
4	91143282	2	WARNING DECAL	
5	91143290	1	WARNING DECAL	
6	91003016	1	"1" DECAL, WHITE, (std)	
6	91043134	1	"1" DECAL, BLACK, (opt)	
7	91003018	1	"2"DECAL, WHITE, (std)	
7	91043135	1	"2" DECAL, BLACK, (opt)	
8	91123042	1	"3" DECAL, WHITE, (std)	
8	91123043	1	"3" DECAL, BLACK, (opt)	
9	91003020	1	"4" DECAL, WHITE, (std)	
9	91043136	1	"4" DECAL, BLACK, (opt)	
10	91123044	1	"5" DECAL, WHITE, (std)	
10	91123045	1	"5" DECAL, BLACK, (opt)	
11	91163077	1	“6” DECAL, WHITE, (std)	
11	91163078	1	“6” DECAL, BLACK, (opt)	
12	80603037	7	HOLE WARNING DECAL	
13	90553026	1	WARNING DECAL	
14	90200445	1	PENDULUM	
15	90200688	1	BEARING	
16	90026491	1	SHOULDER BOLT, 1/4-20	
17	91333036	1	SPECIAL WASHER	
18	1706193	2	BOOM DECALS 534D-10-45 DECAL **(SN 0160006441 through 0160012554)**	
K1	91545005	1	BOOM DEDCALS 534D-10-45 DECAL KIT, (white), (includes items 1 thru 6, 8, 10 thru 14, 16 thru 20, 22 thru 30, 31, 36 thru 39 on FRAME DECALS - 534D-10, and items 1, 3 thru 13 on BOOM DECALS)	D
K2	91553072	1	BOOM NUMBERS DECALS KIT, (white), (includes items 6 thru 11)	

SECTION 11 - DECALS

FIGURE 11-14. BOOM DECALS - 534D-10 (534D-9 SN 0160012580 to Present; 534D-10 SN 0160012572 to Present, Including 0160012289)

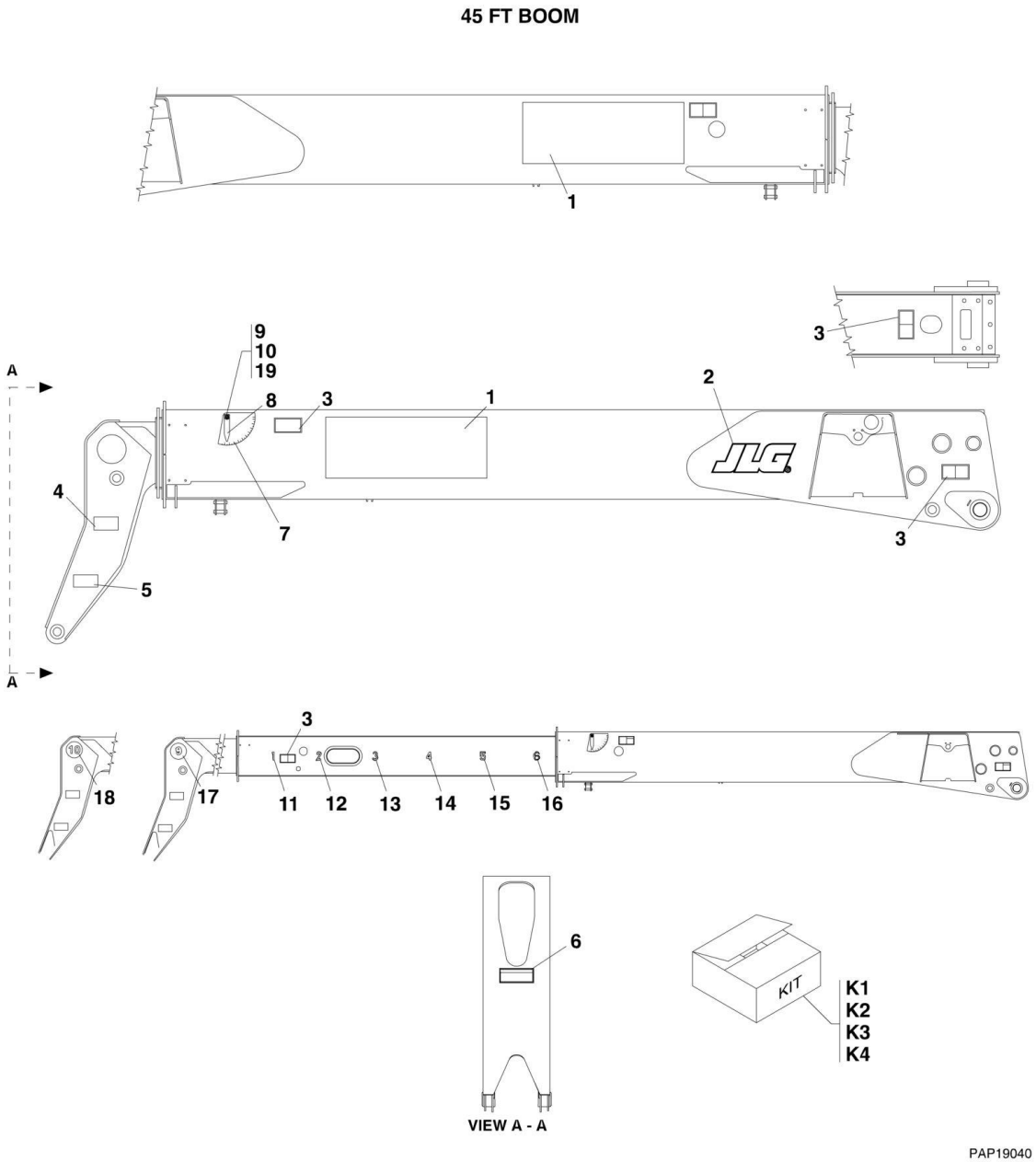


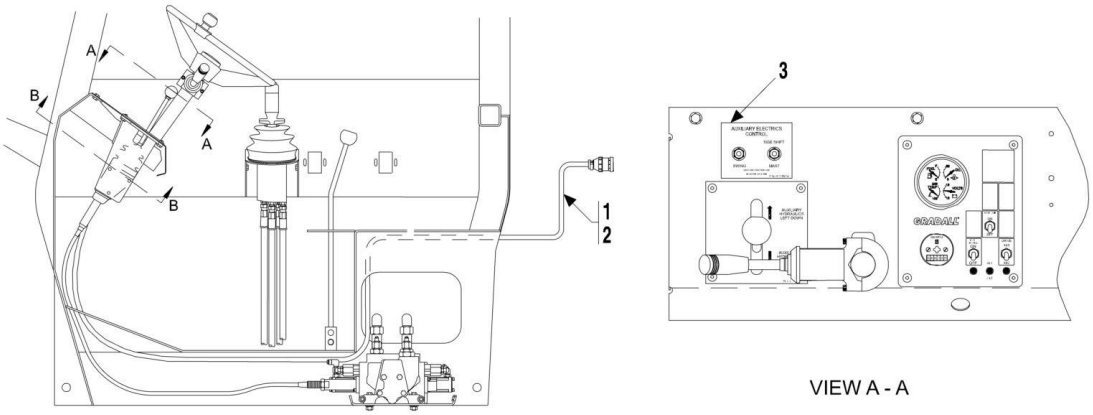
FIGURE 11-14. BOOM DECALS - 534D-10 (534D-9 SN 0160012580 to Present; 534D-10 SN 0160012572 to Present, Including 0160012289)

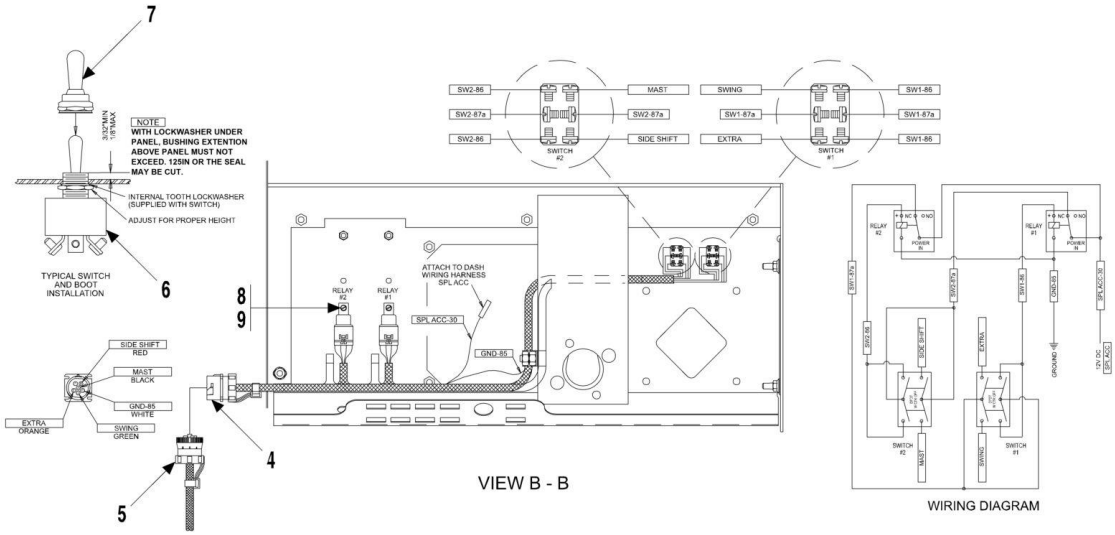
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1706184	2	12 IN GRADALL DECAL, WHITE, (no longer supplied with decal kit)	
2	1706101	2	7 IN JLG DECAL	
3	80603037	7	WARNING DECAL	
4	91143282	2	WARNING DECAL	
5	91143290	1	WARNING DECAL	
6	90553026	1	WARNING DECAL	
7	4105262	1	BOOM ANGLE DECAL, WHITE	
8	7075611	1	PENDULUM **(534D-9 SN 0160012580 through 0160035941, Excluding 0160034957; 534D-10 SN 0160012572 through 0160034816, Including 0160012289)**	
8	1001098769	1	PENDULUM **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
9	8305647	1	NUT **(534D-9 SN 0160012580 through 0160035941, Excluding 0160034957; 534D-10 SN 0160012572 through 0160034816, Including 0160012289)**	
9	8305645	1	NUT **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
10	8307113	3	WASHER **(534D-9 SN 0160012580 through 0160035941, Excluding 0160034957; 534D-10 SN 0160012572 through 0160034816, Including 0160012289)**	
10	4711600	1	WASHER **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present; Including)**	
11	91003016	1	"1" DECAL, WHITE, (std)	
11	91043134		"1" DECAL, BLACK, (opt)	
12	91003018	1	"2" DECAL, WHITE, (std)	
12	91043135		"2" DECAL, BLACK, (opt)	
13	91123042	1	"3" DECAL, WHITE, (std)	
13	91123043		"3" DECAL, BLACK, (opt)	
14	91003020	1	"4" DECAL, WHITE, (std)	
14	91043136		"4" DECAL, BLACK, (opt)	
15	91123044	1	"5" DECAL, WHITE, (std)	
15	91123045		"5" DECAL, BLACK, (opt)	
16	91163077	1	"6" decal, white, (std)	
16	91163078		"6" decal, black, (opt)	
17	1706170	2	GOOSENECK DECAL, (534D-9)	
18	1706100	2	GOOSENECK DECAL, (534D-10)	
19	1001096404	1	SPACER **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present; Including)**	
K1	91535006	1	BOOM DECALS 534D-9 DECAL KIT, (white), (includes items 1 thru 19, 21 thru 23, 27 thru 31, 34 on FRAME DECALS - 534D-9, plus items 2 thru 7, 17 & 91553072 on BOOM DECALS)	F
K2	91545005	1	BOOM DECALS 534D-10 DECAL KIT, (white), (includes items 1 thru 19, 21 thru 23, 27 thru 31, 34, 39, 40, 44 & 2 thru 7, 18 & Kit K3 on BOOM DECALS)	D
K3	91553072	1	BOOM NUMBERS DECALS KIT, (white), (includes items 11 thru 16)	
K4	91365051	1	SUNBELT RENTALS DECAL KIT	

SECTION 12 - OPTIONS

SECTION 12 - OPTIONS

FIGURE 12-1. AUXILIARY HYDRAULIC W/ELECTRONIC ASSEMBLY (Prior to SN 0160027771)





NOTE:

ALL 534D-10 MACHINES AFTER SN 0366088 MUST SEE 91355009 ON AUXILIARY HYDRAULIC W/ELECTRICS ASSEMBLY FOR 45 FT BOOM

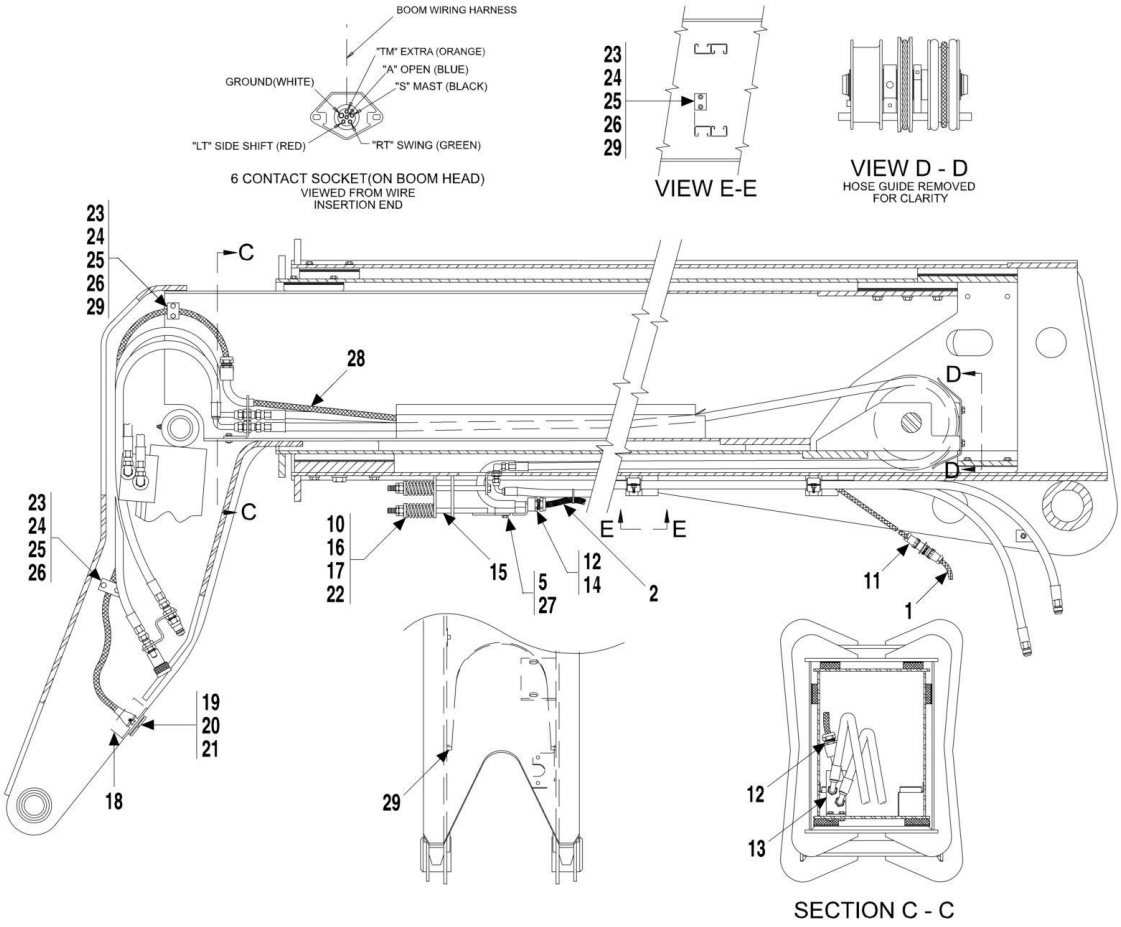

BOOM WIRING HARNESS
"TM" EXTRA (ORANGE)
"A" OPEN (BLUE)
"S" MAST (BLACK)
GROUND(WHITE)
"LT" SIDE SHIFT (RED)
"RT" SWING (GREEN)
6 CONTACT SOCKET(ON BOOM HEAD)
VIEWED FROM WIRE INSERTION END
VIEW E-E
VIEW D - D
HOSE GUIDE REMOVED FOR CLARITY
SECTION C - C

FIGURE 12-1. AUXILIARY HYDRAULIC W/ELECTRONIC ASSEMBLY (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145075	1	AUX HYDRAULICS ASSY, (includes all items)	D
1	91143105	1	AUX WIRING HARNESS	
2	90027187	AR	NYLON TIE	
3	91123155	1	DECAL	
4	91123154	1	AUX DASH HARNESS	
5	88551010	2	LOCKWASHER, 5/16	
6	77163204	2	SWITCH-DPDT	
7	77383470	2	SWITCH BOOT	
8	88301088	2	RD HD MACHINE SCREW, #10-24X3/8	
9	88561105	2	FLATWASHER, #10	
10	88501008	1	HEX NUT, 1/2-13	
11	91143373	1	AUX BOOM HARNESS	
12	91143141	1	STRAIN RELIEF FITTING	
13	91346011	1	BRACKET WELDMENT	
14	91366015	1	CABLE TAKE-UP WELDMENT	
15	91126032	1	CABLE TAKE-UP SUPPORT	
16	91123054	1	COMPRESSION SPRING	
17	91121134	1	SPRING RETAINER	
18	91121283	1	RECEPTICAL BRACKET	
19	90207661	1	6 CONTACT SOCKET	
20	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
21	88521304	2	LOCK NUT, 1/4-20	
22	88501108	1	JAM NUT, 1/2-13	
23	91203039	5	CLAMP SET	
24	88561107	5	COVER PLATE	
25	88551009	5	HEX BOLT	
26	88501004	5	BASE PLATE	
27	88201017	2	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
28	84719575	1	HOSE ASSY	
29	85611274	5	WELD STUD, 1/4-20X3/4	

FIGURE 12-2. STABILIZER OPTION (534D-9 SN 0544001 through 0544009; 534D-10 SN 0366001 through 0366233)

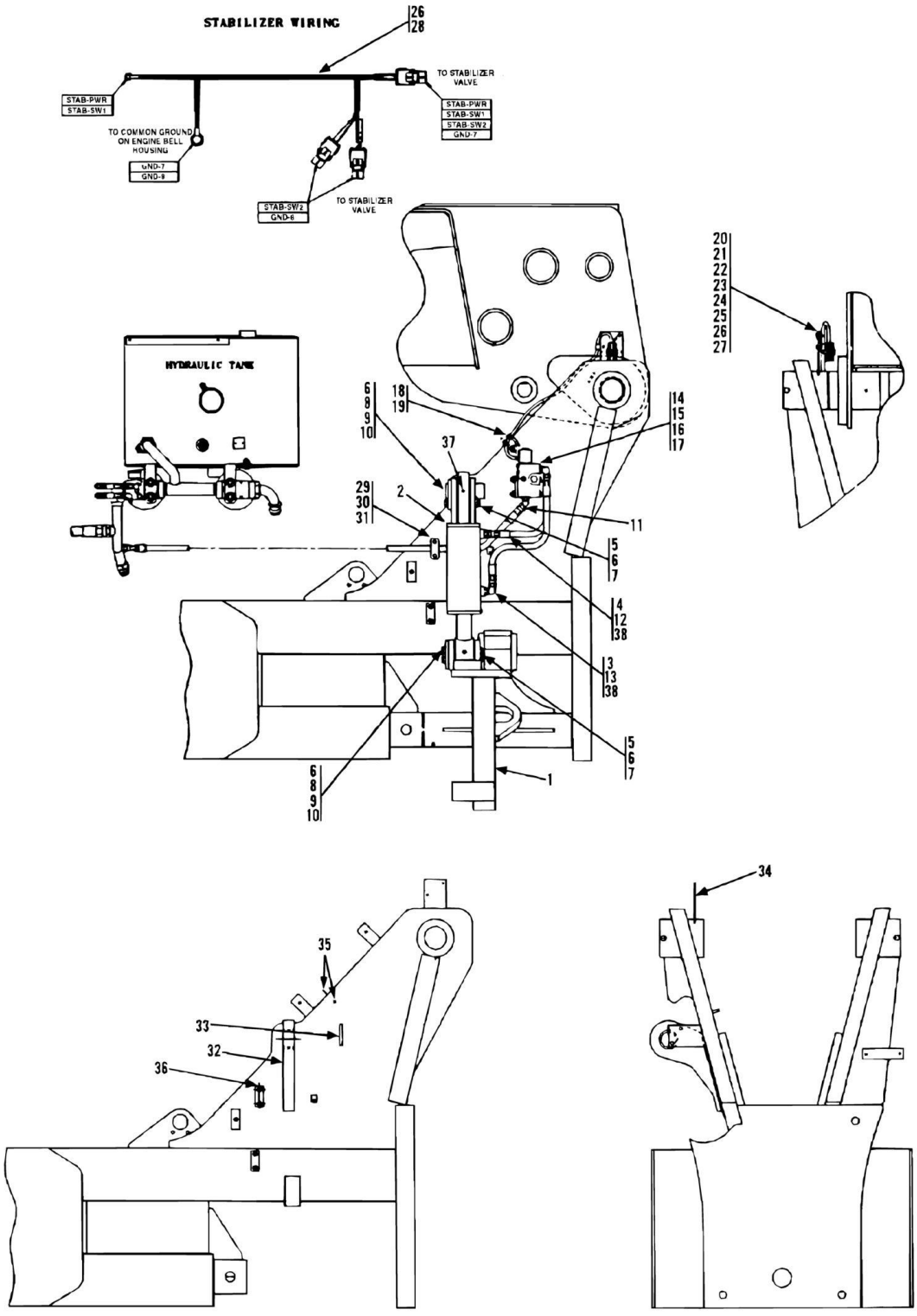


FIGURE 12-2. STABILIZER OPTION (534D-9 SN 0544001 through 0544009; 534D-10 SN 0366001 through 0366233)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145081	1	STABILIZER ASSY, (includes all items)	
1	91166013	1	REAR AXLE WELDMENT	
2		Ref	STABILIZER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88662065	1	ELBOW, 90, (includes item 38)	
4	2220373	1	CONNECTOR, (includes item 38)	
5	91161269	2	KEEPER	
6	88561111	6	FLAT WASHER, 1/2	
7	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
8	91166062	2	PIN WELD	
9	88201066	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
10	88551013	4	LOCKWASHER, 1/2	
11	84719000	1	HOSE ASSY	
12	84717560	1	HOSE ASSY	
13	77133145	1	HOSE ASSY	
14	88201047	2	HEX HD CAPSCREW, 3/8-16X4, GR5	
15	88551011	2	LOCKWASHER, 3/8	
16	88501006	2	HEX NUT, 3/8-16	
17		Ref	STABILIZER VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
18	86621230	2	SUPPORT CLAMP	
19	77143006	2	WHIZ-LOCKNUT, 5/16	
20	91365037	1	STABILIZER SENSOR ASSY, (includes the following five items)	B
20	91143155	1	PROXIMITY SENSOR SWITCH	
20	80963062	1	W. PACK CONNECTOR, (shroud)	
20	80963065	4	W. PACK CONNECTOR, (male pin)	
20	80963066	4	W. PACK CONNECTOR, (cable seals)	
20	91053419	1	TIE WRAP	
21	91141260	1	BRACKET	
22	88301093	2	RD HD MACHINE SCREW, #10-24X3/4	
23	88551007	2	LOCKWASHER, #10	
24	88561001	4	FLAT WASHER, 3/16	
25	91043199	2	SQUARE NUT, #10-24	
26	90027187	8	TIE WRAP	
27	90021705	1	SUPPORT CLAMP	
28	91163049	1	STABILIZER HARNESS	
29	77133053	2	HOSE CLAMP	
30	77133052	2	COVER PLATE	
31	77133209	2	HEX HD CAPSCREW, 1/4-20X1-3/8	
32	91161083	1	STABILIZER LUG	
33	91161379	1	VALVE MOUNT PLATE	
34	91141261	1	BRACKET	
35	85051384	1	WELD STUD, 5/16-18X1	
36	77133029	1	BASE PLATE	
37	88671008	1	STRAIGHT LUBE FITTING, 1/4-28	
38	88591205	2	O-RING	

SECTION 12 - OPTIONS

FIGURE 12-3. STABILIZER OPTION (534D-9 SN 0544010 to Present; 534D-10 SN 0366234 to Present)

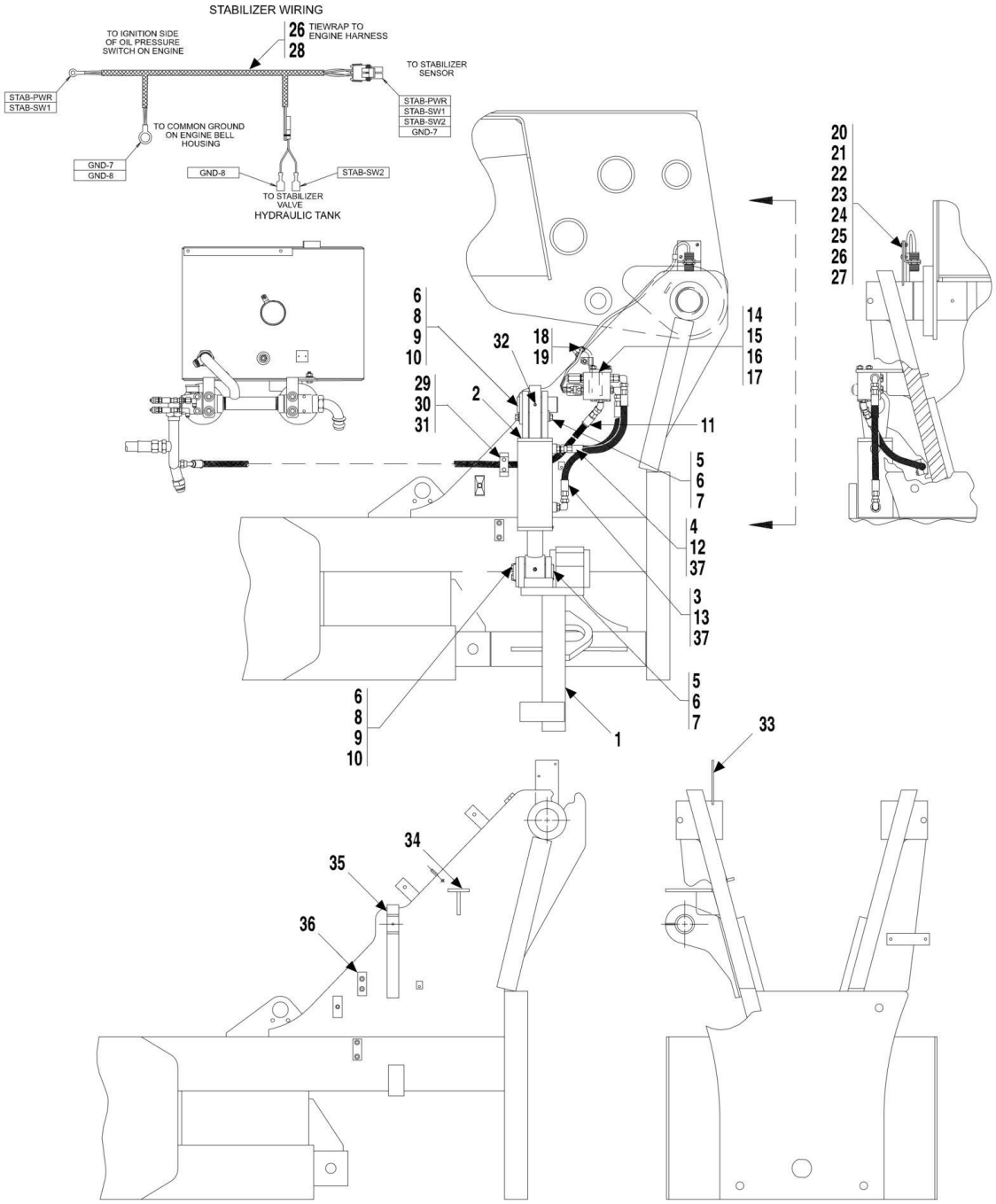
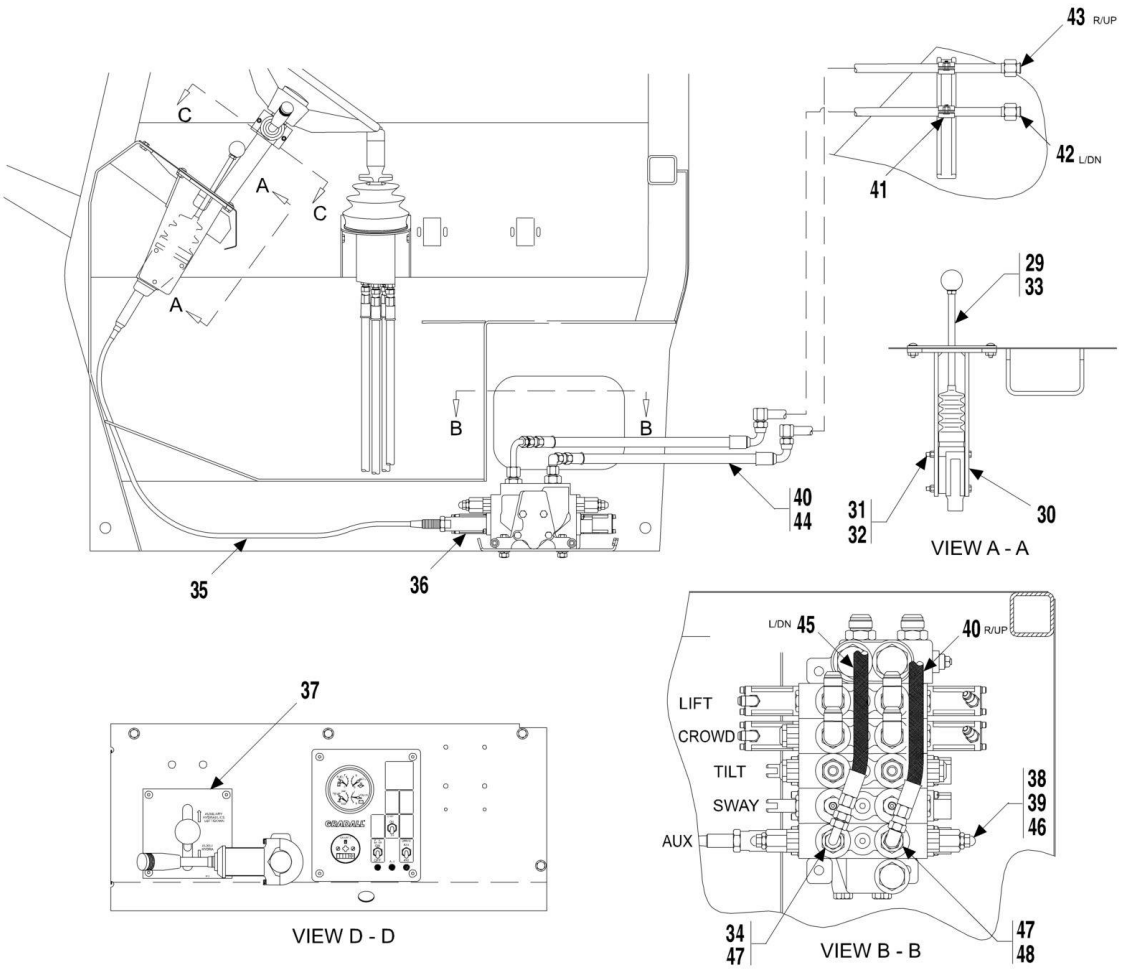


FIGURE 12-3. STABILIZER OPTION (534D-9 SN 0544010 to Present; 534D-10 SN 0366234 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145081	1	STABILIZER OPTION, (includes all items)	F
1	91166013	1	REAR AXLE WELDMENT	
2		Ref	STABILIZER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88662065	1	ELBOW, 90, (Includes item 37)	
4	2220373	1	CONNECTOR, (includes item 37)	
5	91161269	2	KEEPER	
6	88561111	6	FLAT WASHER, 1/2	
7	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
8	91166062	2	PIN WELD	
9	88201066	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
10	88551013	4	LOCKWASHER, 1/2	
11	84719365	1	HOSE ASSY	
12	84719378	1	HOSE ASSY	
13	84717556	1	HOSE ASSY	
14	83201073	2	HEX HD CAPSCREW, 3/8-16X4-1/2, GR5	
15	88551011	2	LOCKWASHER, 3/8	
16	88501006	2	HEX NUT, 3/8-16	
17		Ref	STABILIZER VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
18	86621230	2	SUPPORT CLAMP	
19	77143006	2	WHIZ-LOCKNUT, 5/16-18	
20	91365037	1	STABILIZER SENSOR ASSY, (includes the following five items)	B
20	91143155	1	PROXIMITY SENSOR SWITCH	
20	80963062	1	W. PACK CONNECTOR, (shroud)	
20	80963065	4	W. PACK CONNECTOR, (male pin)	
20	80963066	4	W. PACK CONNECTOR, (cable seals)	
20	91053419	1	TIE WRAP	
21	91141260	1	BRACKET	
22	88301093	2	ROUND HD MACHINE SCREW, #10-24X3/4	
23	88551007	2	LOCKWASHER, #10	
24	88561001	4	FLAT WASHER, 3/16	
25	91043199	2	SQUARE NUT, #10-24	
26	90027187	8	TIE WRAP	
27	90021705	1	SUPPORT CLAMP	
28	91363081	1	STABILIZER HARNESS	
29	77133053	1	HOSE CLAMP	
30	77133052	1	COVER PLATE	
31	77133209	2	HEX HD CAPSCREW, 1/4-20X1-3/8	
32	88671001	1	STRAIGHT LUBE FITTING, 1/8	
33	91141261	1	BRACKET	
34	91366014	1	STABILIZER MOUNTING BRACKET WELDMENT	
35	91161083	1	STABILIZER LUG	
36	77133029	1	BASE PLATE	
37	88591205	2	O-RING	

FIGURE 12-4. AUXILIARY HYDRAULICS FIELD KIT - 40 FT BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089)



NOTE:

IF YOUR MACHINE CAME WITH AUXILIARY HYDRAULICS, (91145026) 534D-9 OR (91155026) 534D-10, YOU MUST USE AUXILIARY HYDRAULICS FIELD KIT, (91345026), FOR SERVICE.

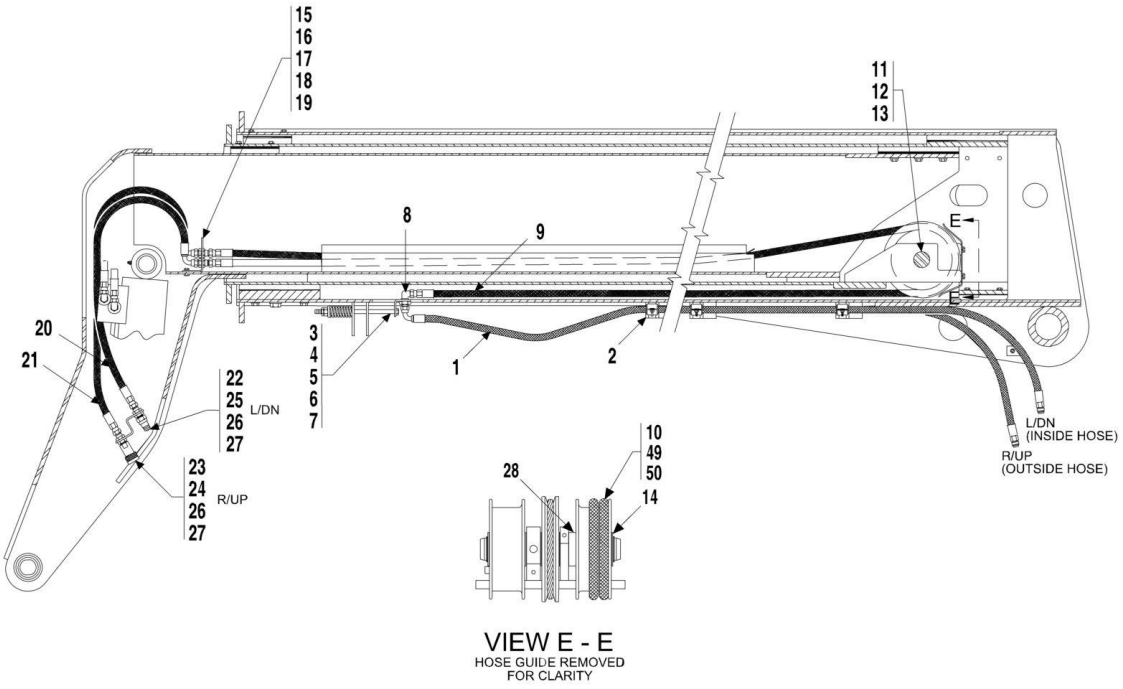

15
16
17
18
19
11
12
13
8
9
E
E
20
21
3
4
5
6
7
1
2
22
25
26
27
L/DN
23
24
26
27
R/UP
10
49
50
14
28
L/DN
(INSIDE HOSE)
R/UP
(OUTSIDE HOSE)
VIEW E - E
HOSE GUIDE REMOVED
FOR CLARITY

FIGURE 12-4. AUXILIARY HYDRAULICS FIELD KIT - 40 FT BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345015	1	AUX HYDRAULICS FIELD KIT, (includes all items)	D
1	84719018	2	HOSE ASSY	
2	91343012	6	CUSHION CLAMP	
3	91166068	2	HOSE TAKE UP WELD	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2-13	
7	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
8	90027180	2	BULKHEAD FITTING, 90	
9	84719575	2	HOSE ASSY	
10	91343213	1	HOSE SHEAVE	
11	91141144	1	RETRACT SHEAVE PIN	
12	14404793	AR	UNION 76 MEGAPLEX GREASE	
13	88581149	1	EXTERNAL RETAINING RING	
14	91041449	1	THRUST WASHER	
15	91141210	1	BULKHEAD BRACKET	
16	90027176	2	STR THD BULKHEAD FITTING	
17	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
18	88551010	2	LOCKWASHER, 5/16	
19	88501005	2	HEX NUT, 5/16-18	
20	84718385	1	HOSE ASSY	
21	84718557	1	HOSE ASSY	
22	91163138	1	MALE HYDRAULIC COUPLER	
23	91163139	1	FEMALE HYDRAULIC COUPLER	
24	91043125	1	DUST PLUG	
25	91043126	1	DUST CAP	
26	91043321	2	STR BULKHEAD FITTING	
27	88712304	2	REDUCING BUSHING	
28	91551037	1	SPACER	
29	91345010	1	REMOTE VALVE CONTROL ASSY, (includes items 30, 31, 32, 33 & 35)	
30	91366007	1	LEVER BRACKET	
31	88201012	3	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	
32	88521304	3	HEX LOCKNUT, 1/4-20	
33	91303019	1	REMOTE VALVE CONTROL	
34	2220471	1	ELBOW, 90, (swivel nut)	
35	91363043	1	CONTROL CABLE	
36	91123062	1	CABLE ADAPTER BONNET	
37	91363045	1	GUIDE PLATE	
38	91034070	1	STUD KIT	
39	91144254	1	SEAL KIT	
40	84718685	1	HOSE ASSY	
41	90207463	2	CUSHION CLAMP	
42	91163096	1	TUBE ASSY	
43	91163097	1	TUBE ASSY	
44	90027187	5	NYLON TIE	
45	84718686	1	HOSE ASSY	
46		Ref	VALVE SECTION ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	2220375	2	CONNECTOR, (includes o-ring)	
47	88591207	2	O-RING	
48	88662106	1	ELBOW, 90, (swivel nut)	
49	91343212	1	HOSE SHEAVE	
50	91343215	1	SPACER	

FIGURE 12-5. FOAM TIRE OPTION (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

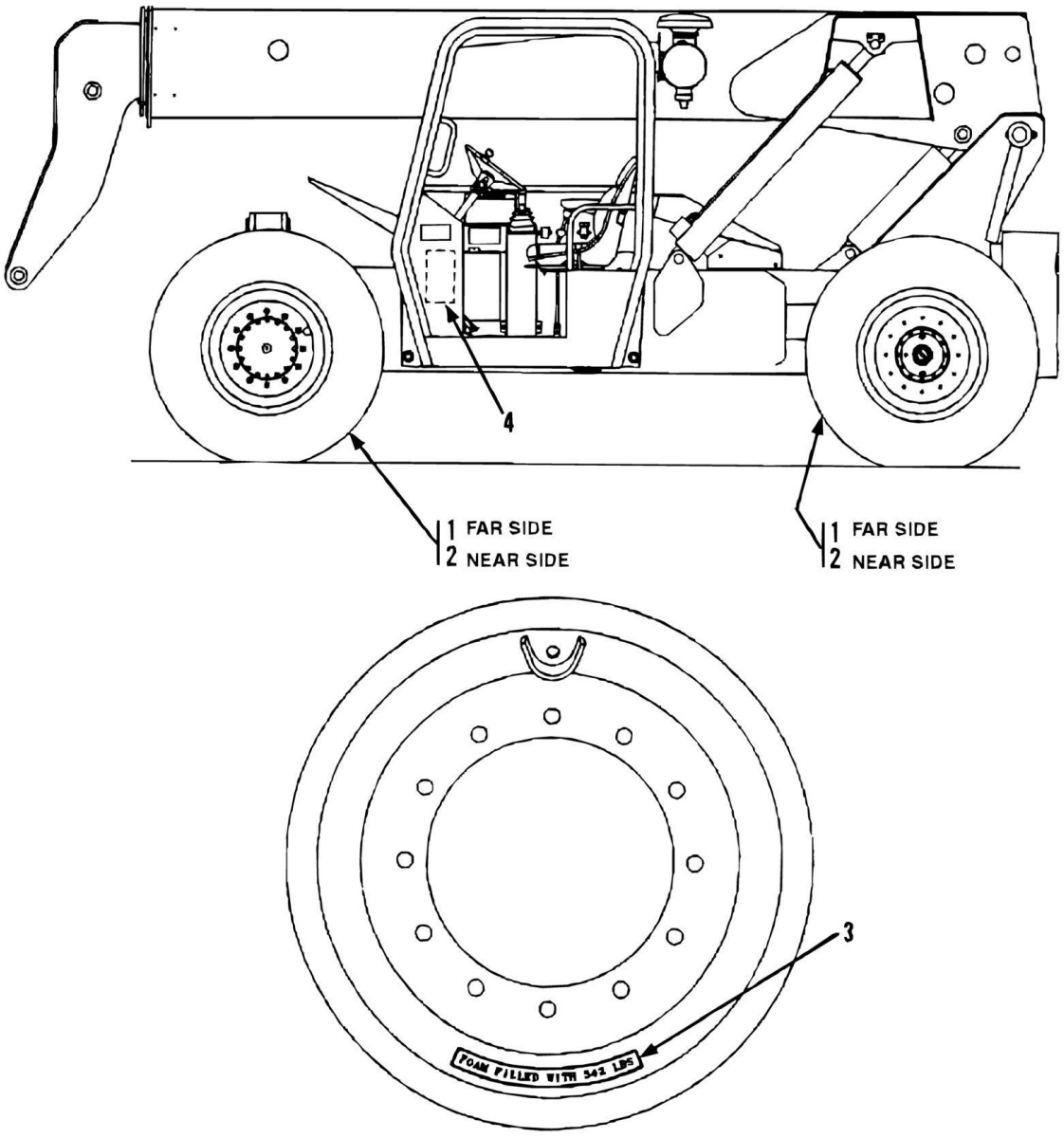


FIGURE 12-5. FOAM TIRE OPTION (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345002	1	FOAM TIRE OPTION, (534D-9), (40ft Boom) **(SN 0544001 through 0644118)**	
1	91035247	2	FOAM FILLED TIRE ASSY	
2	91035248	2	FOAM FILLED TIRE ASSY	
3	91123160	4	TIRE DECAL	
4	91343003	1	SN AND ATTACHMENT PLATE	
	91345032	1	FOAM TIRE OPTION, (534D-9), (45ft Boom) **(SN 0644119 through 0160000446)**	
1	91035247	2	FOAM FILLED TIRE ASSY	
2	91035248	2	FOAM FILLED TIRE ASSY	
3	91123160	4	TIRE DECAL	
4	91343072	1	SN AND ATTACHMENT PLATE	
	91345005	1	FOAM TIRE OPTION, (534D-10), (40ft Boom) **(SN 0366001 through 0366106)**	
1	91045058	2	FOAM FILLED TIRE ASSY	
2	91045059	2	FOAM FILLED TIRE ASSY	
3	91153050	4	TIRE DECAL	
4	91353004	1	SN AND ATTACHMENT PLATE	
	91355012	1	FOAM TIRE OPTION, (534D-10), (45ft Boom) **(SN 0366107 through 0160000446)**	
1	91045058	2	FOAM FILLED TIRE ASSY	
2	91045059	2	FOAM FILLED TIRE ASSY	
3	91153050	4	TIRE DECAL	
4	91353025	1	SN AND ATTACHMENT PLATE	

FIGURE 12-6. FOAM TIRE OPTION (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

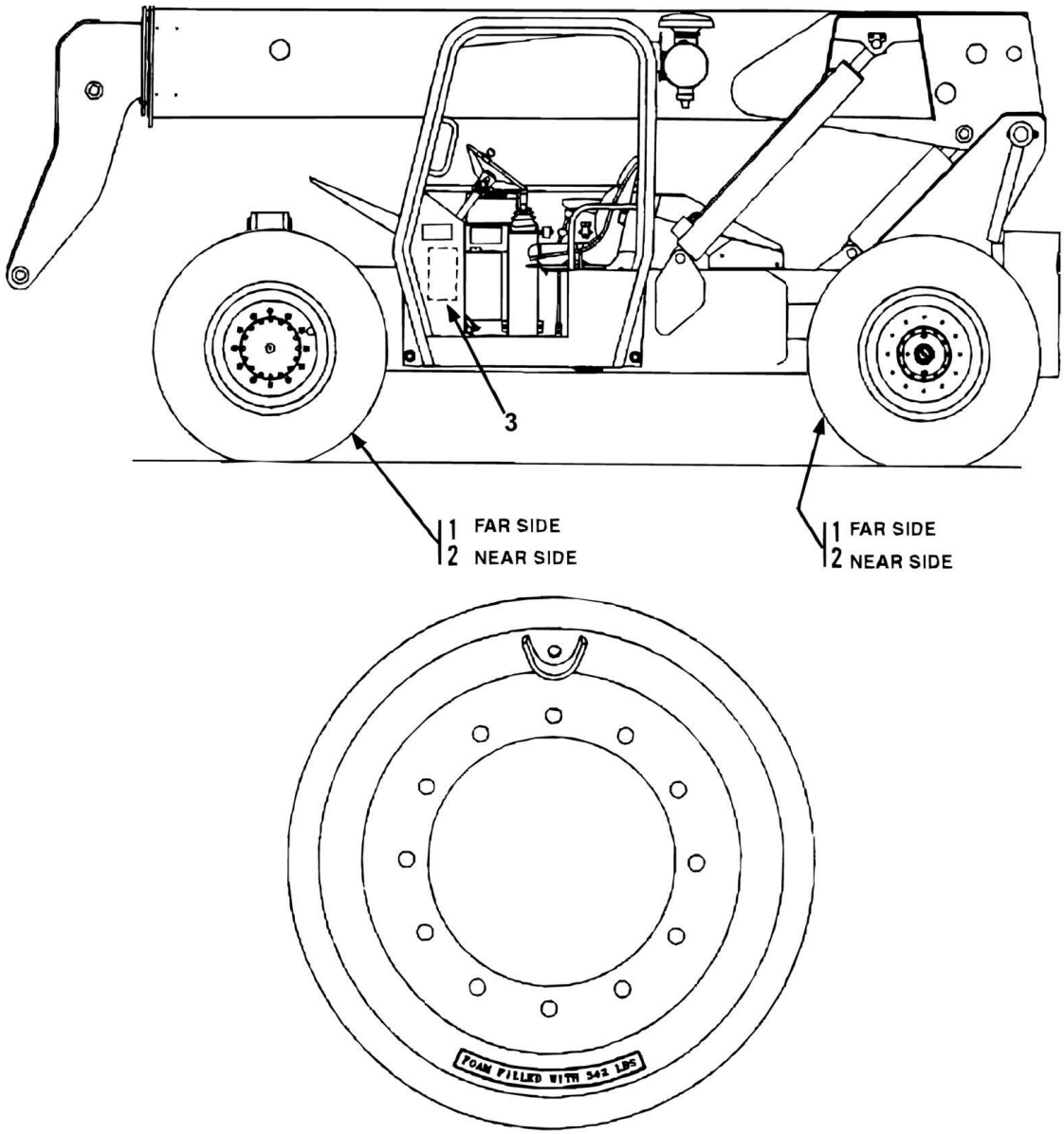


FIGURE 12-6. FOAM TIRE OPTION (534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345076	1	FOAM TIRE OPTION, (534D-9), (45 in Boom), (includes all items)	C
1		Ref	RH WHEEL ASSY, (See DRIVE TRAIN SECTION for Breakdown)	
2		Ref	LH WHEEL ASSY, (See DRIVE TRAIN SECTION for Breakdown)	
3	N.S.S.	1	SN PLATE	
	91355042	1	FOAM TIRE OPTION, (534D-10), (45 in Boom), (includes all items)	D
1		Ref	RH WHEEL ASSY, (See DRIVE TRAIN SECTION for Breakdown)	
2		Ref	LH WHEEL ASSY, (See DRIVE TRAIN SECTION for Breakdown)	
3	N.S.S.	1	SN PLATE	

FIGURE 12-7. LH SWAY (Prior to SN 0160027771)

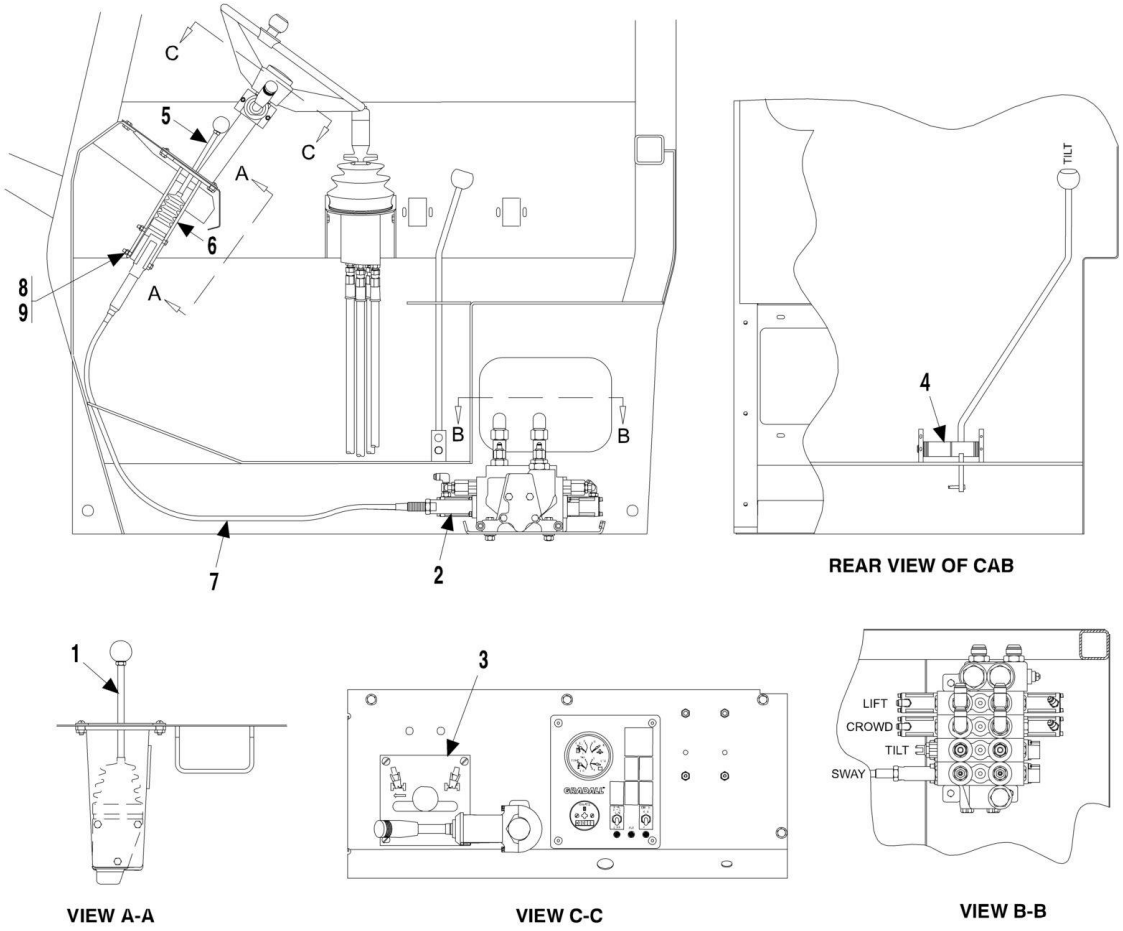
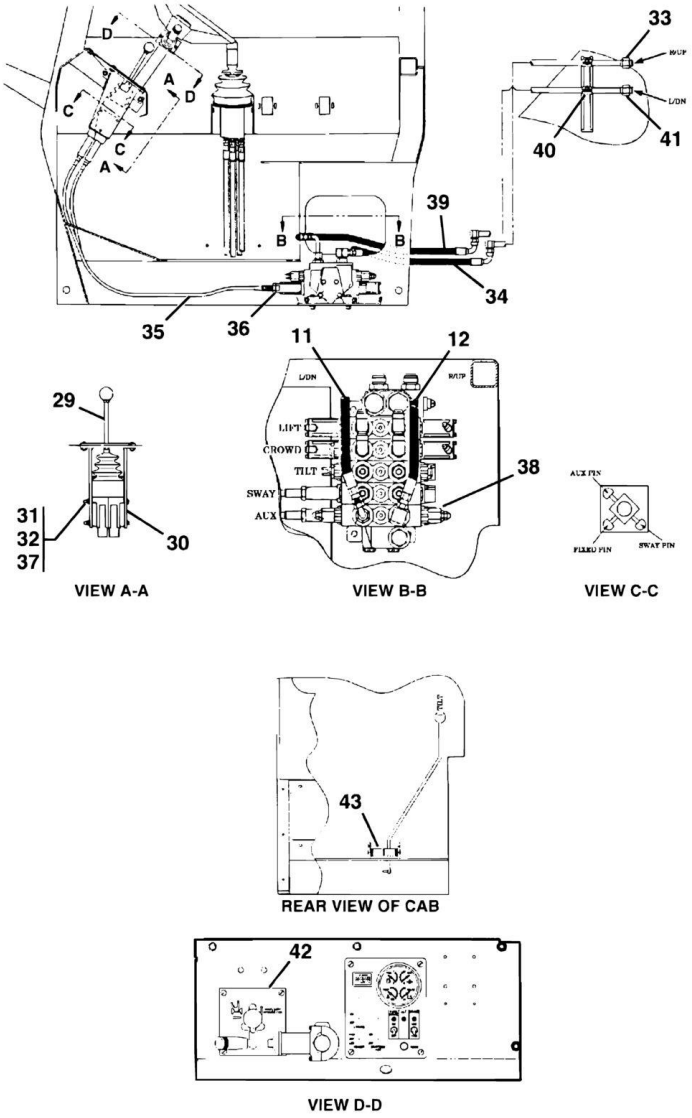


FIGURE 12-7. LH SWAY (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145079	1	LH SWAY ASSY, (includes all items)	
1	91335014	1	REMOTE VALVE CONTROL ASSY, (includes items 5 thru 9)	
2	91123062	1	CABLE ADAPTER BONNET	
3	91143371	1	GUIDE PLATE	
4	91301020	1	SPACER	
5	91303019	1	REMOTE VALVE CONTROL	
6	91146119	1	LEVER BRACKET	
7	91363043	1	CONTROL CABLE	
8	88201012	3	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	
9	88521304	3	HEX LOCKNUT, 1/4-20	

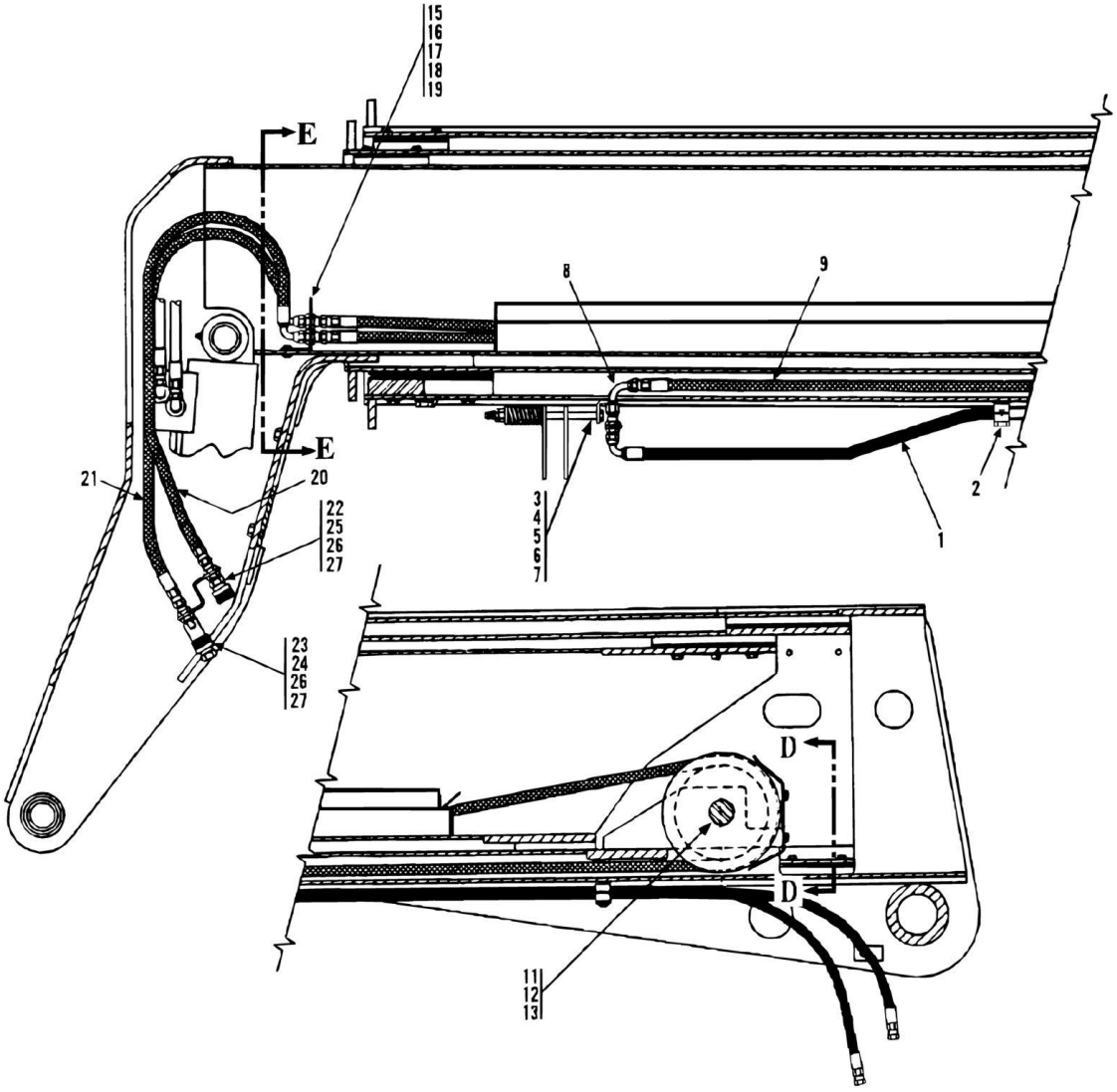
FIGURE 12-8. AUXILIARY HYDRAULICS AND SWAY ASSEMBLY - 40 IN BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089)

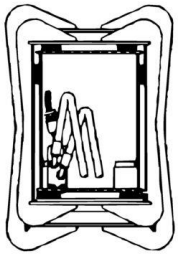


NOTE:

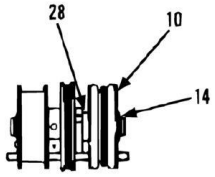
ALL 534D-9 MACHINES AFTER SN 0644118 MUST SEE 91345034 ON AUXILIARY HYDRAULICS AND SWAY ASSEMBLY FOR 45 FT BOOM, & ALL 534D-10 MACHINES AFTER SN 0366088 MUST SEE 91355008 ON AUXILIARY HYDRAULICS AND SWAY ASSEMBLY FOR 45 FT BOOM.

PAP19880





SECTION E – E



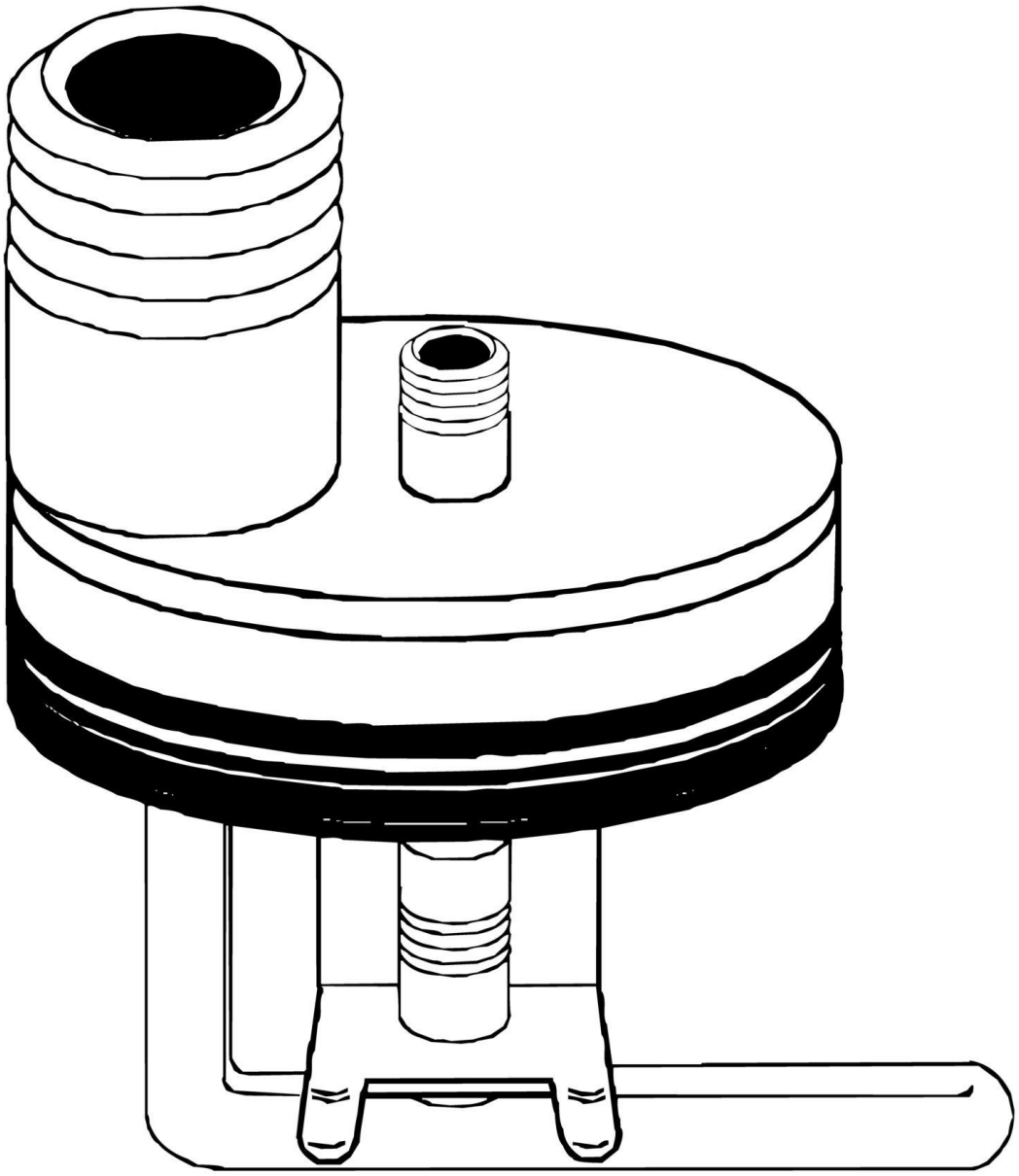
VIEW D – D
HOSE GUIDE REMOVED FOR CLARITY

FIGURE 12-8. AUXILIARY HYDRAULICS AND SWAY ASSEMBLY - 40 IN BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145074	1	AUX HYDRAULICS AND SWAY ASSY, (534D-9), (includes all items)	A
	91155027	1	AUX HYDRAULICS AND SWAY ASSY, (534D-10), (includes all items)	A
1	84719018	2	HOSE ASSY	
2	90207463	6	CUSHION CLAMP	
3	91146028	2	HOSE TAKE-UP WELD	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2-13	
7	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
8	90027180	2	90, BULKHEAD FITTING	
9	84718868	2	HOSE ASSY	
10	91143024	1	HOSE SHEAVE	
11	91141144	1	RETRACT SHEAVE PIN	
12	14404793	AR	UNION 76 MEGAPLEX GREASE	
13	88581149	1	EXTERNAL RETAINING RING	
14	90203040	1	THRUST WASHER	
15	91141210	1	BULKHEAD FITTING	
16	90027176	2	STR THD BULKHEAD FITTING	
17	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
18	88551010	2	LOCKWASHER, 5/16	
19	88501005	2	HEX NUT, 5/16-18	
20	84718385	1	HOSE ASSY	
21	84718557	1	HOSE ASSY	
22	90204244	1	MALE HYDRAULIC COUPLER	
23	90204245	1	FEMALE HYDRAULIC COUPLER	
24	91043125	1	DUST PLUG	
25	91043126	1	DUST CAP	
26	91043321	2	STR BULKHEAD FITTING	
27	88712304	2	PIPE BUSHING	
28	91141158	1	SPACER	
29	91083107	1	REMOTE VALVE CONTROL, (includes two items below)	
29	91084282	1	KNOB	
29	91084359	1	BOOT	
30	91366008	1	LEVER BRACKET	
31	11002410	3	HEX HD CAPSCREW, 1/4-28X4-1/2	
32	88501404	3	HEX NUT, 1/4-28	
33	91163097	1	TUBE ASSY	
34	90027187	5	NYLON TIE	
35	91363043	2	CONTROL CABLE	
36	91123062	2	CABLE ADAPTER BONNET	
36	88551009	3	LOCKWASHER, 1/4	
37		Ref	MAIN CONTROL VALVE, (See MAIN CONTROL VALVE for Breakdown on 534D-9, See MAIN CONTROL VALVE for Breakdown on 534D-10)	
38	84718686	1	HOSE ASSY	
39	84718685	1	HOSE ASSY	
40	90207463	2	CUSHION CLAMP	
41	91163096	1	TUBE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	91363044	1	GUIDE PLATE	
43	91301020	1	SPACER	

FIGURE 12-9. BLOCK HEATER (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)



REPLACES FROST PLUG ON RIGHT SIDE OF ENGINE

FIGURE 12-9. BLOCK HEATER (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91043353	1	BLOCK HEATER	

FIGURE 12-10. BLOCK HEATER (534D-9 SN 0160007051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

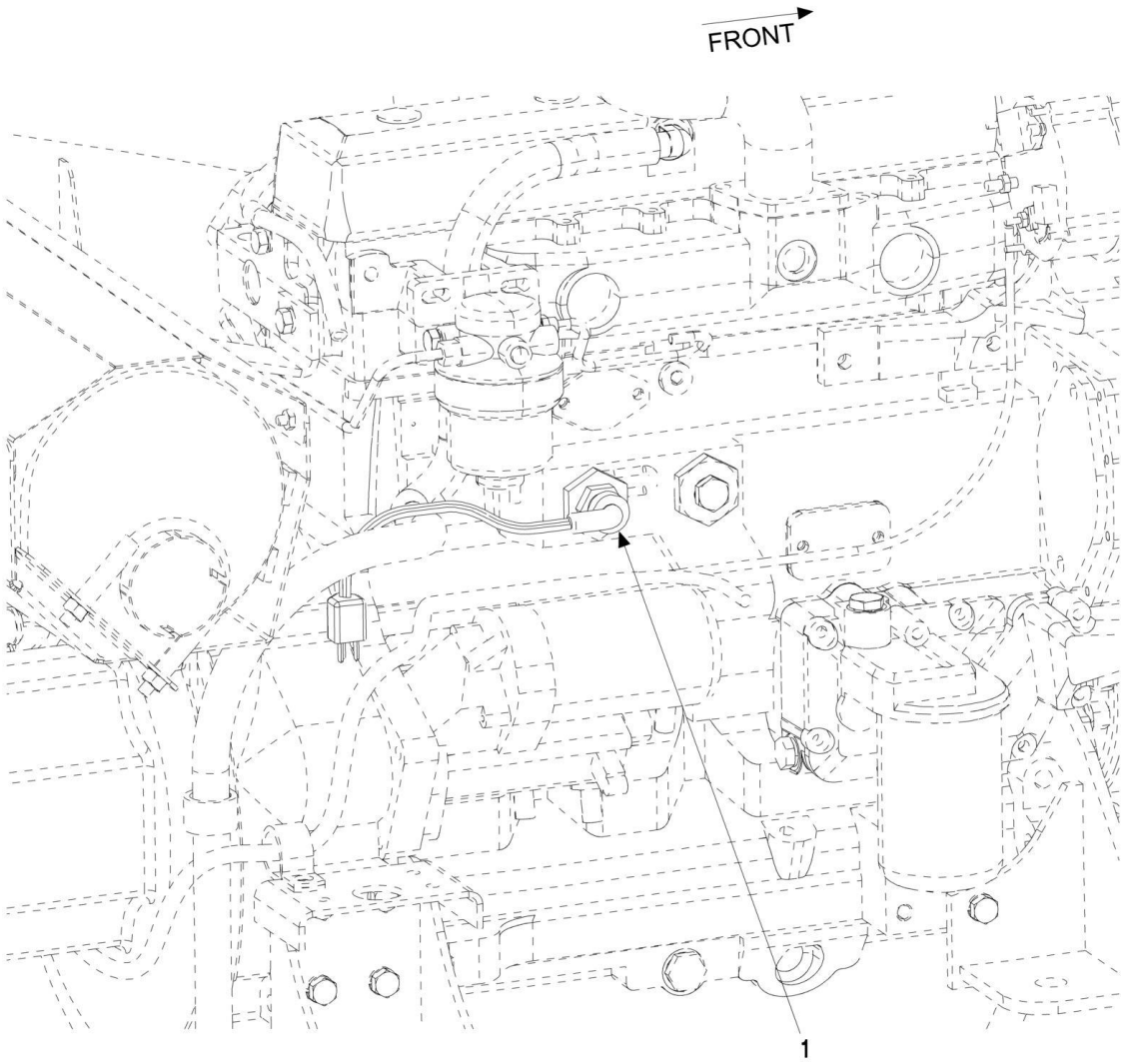
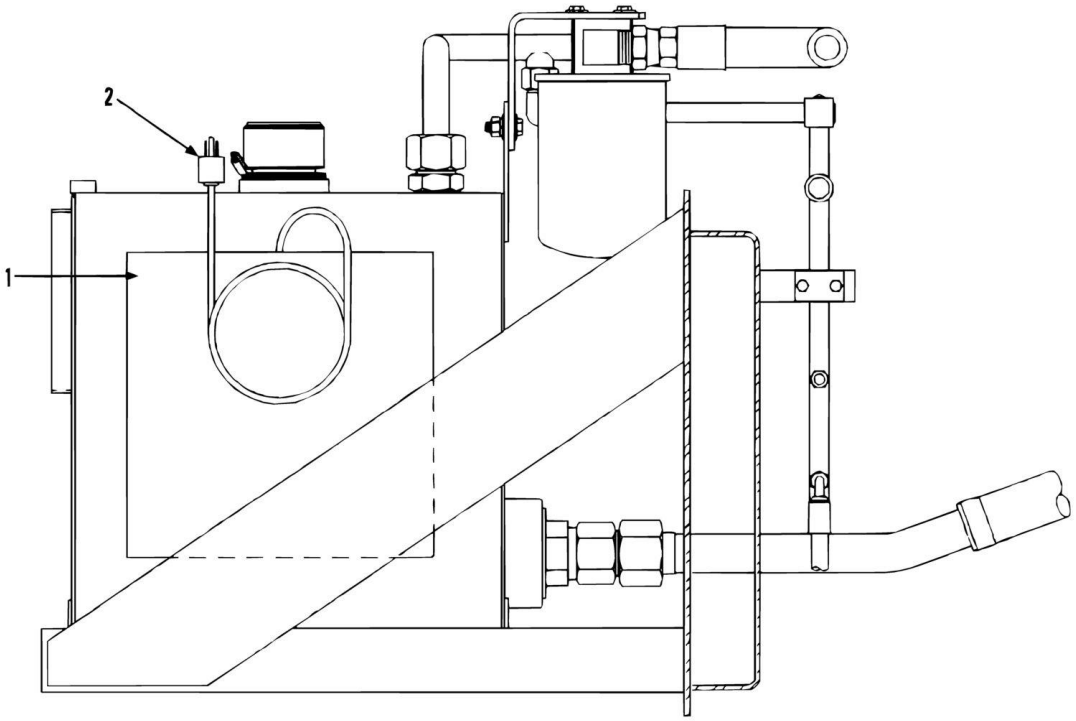


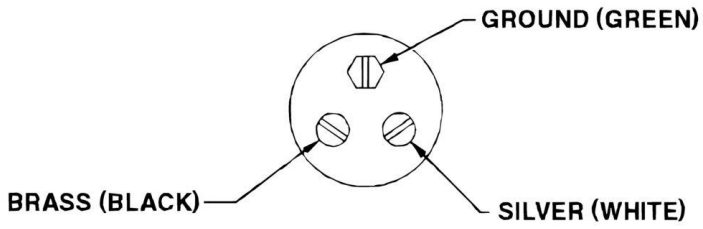
FIGURE 12-10. BLOCK HEATER (534D-9 SN 0160007051 to Present, Including 0160000700; 534D-10 SN 0160000978 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	80375012	1	BLOCK HEATER INSTALLATION, (includes item 1)	
1	80373088	1	BLOCK HEATER	

FIGURE 12-11. HYDRAULIC RESERVOIR HEATER INSTALLATION



SECTION VIEW THROUGH FRAME SHOWING INSIDE WALL OF HYDRAULIC TANK



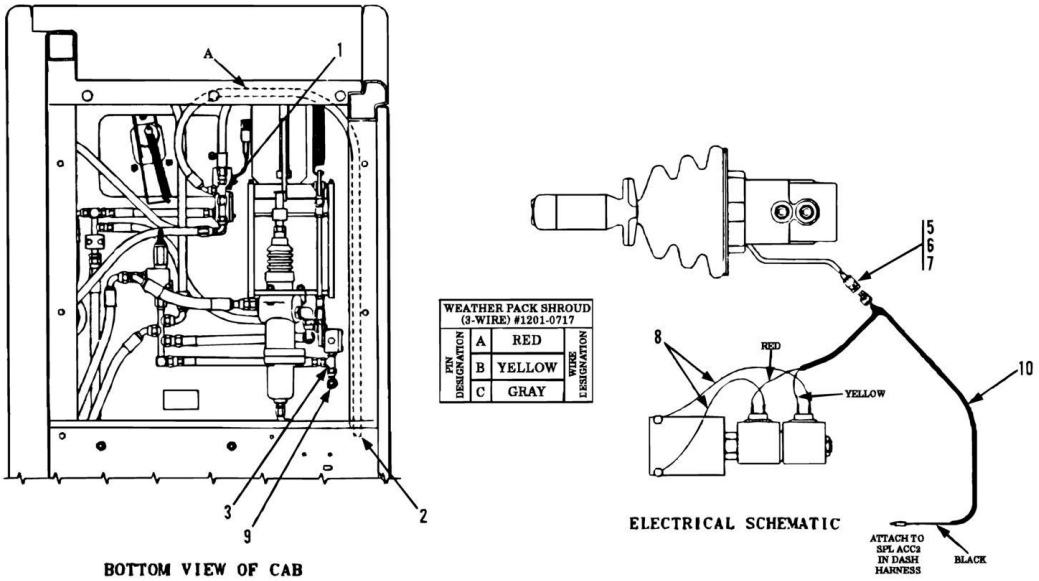
NOTES:

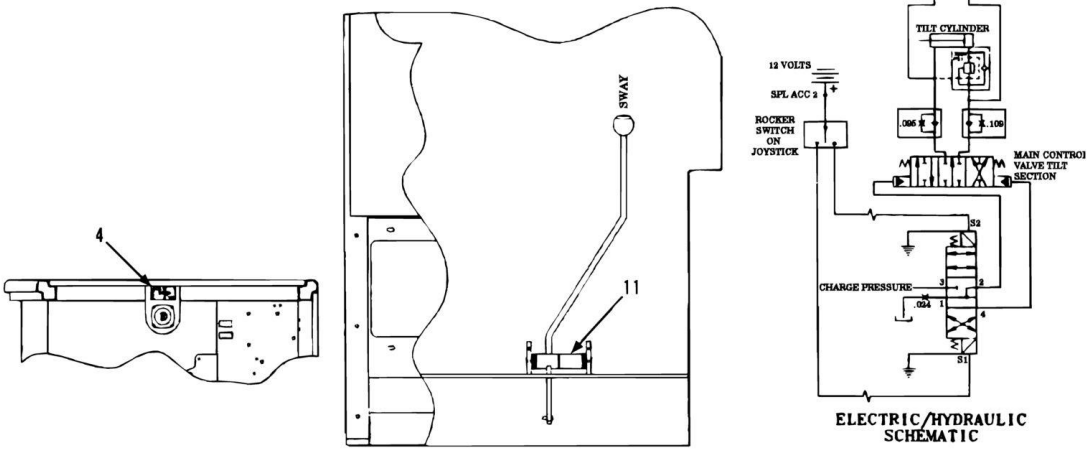
1. INSTALL BLANKET AFTER PAINT ONLY.
2. BLANKET TO BE INSTALLED ON HYDRAULIC TANK WALL, BETWEEN HYDRAULIC TANK AND FUEL TANK.
3. POSITION BLANKET AS CLOSE TO CENTER OF TANK AS POSSIBLE.
4. STOW AWAY ELECTRICAL CORD BETWEEN TANKS.

FIGURE 12-11. HYDRAULIC RESERVOIR HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085073	1	HYDRAULIC RESERVOIR HEATER, (includes all items)	
1	91083574	1	HEATING BLANKET	
2	91083430	1	PLUG	

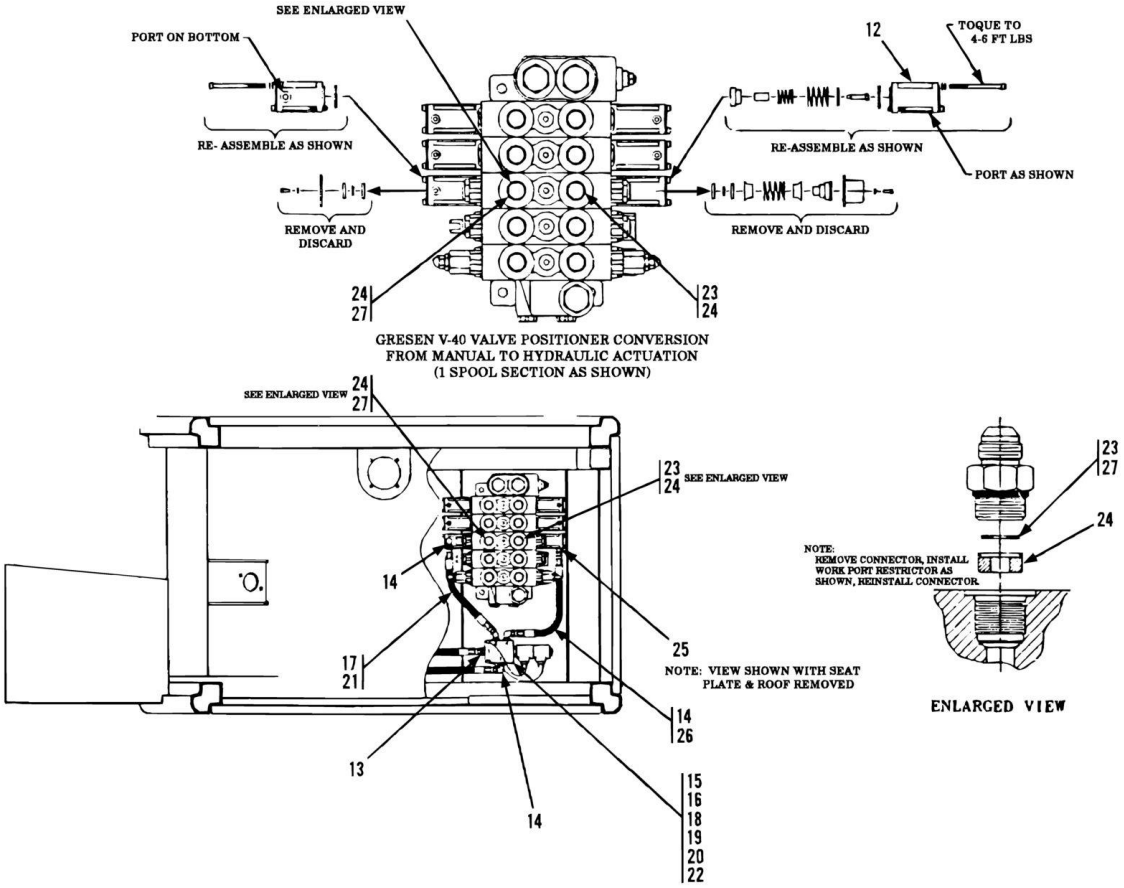
FIGURE 12-12. TILT ON JOYSTICK INSTALLATION





NOTE:

IF YOUR MACHINE CAME WITH JOYSTICK INSTALLATION, (91365005), YOU MUST USE JOYSTICK FIELD KIT, (91365024), FOR SERVICE.



GRESEN V-40 VALVE POSITIONER CONVERSION
FROM MANUAL TO HYDRAULIC ACTUATION
(1 SPOOL SECTION AS SHOWN)

FIGURE 12-12. TILT ON JOYSTICK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365024	Ref	JOYSTICK FIELD KIT, (includes all items) **(Prior to SN 0160027771)**	
	91365005	Ref	TILT ON JOYSTICK INSTALLATION, (includes all items), (if equipped) **(SN 0160027771 to Present)**	B
1	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
2	84717306	1	HOSE ASSY	
3	2220606	1	RUN TEE, (includes o-ring)	
3	88591204	1	O-RING	
4	91303041	1	BOOM CONTROL DECAL	
5	80963060	1	WEATHER PACK SHROUD	
6	80963069	3	W.P. MALE PIN TERMINAL	
7	91143187	3	W.P. CABLE SEAL	
8	90207719	2	GREEN JUMPER WIRE	
9	84717893	1	HOSE ASSY	
10	91083490	1	JOYSTICK HARNESS	
11	91301020	1	SPACER	
12	91033483	1	HYD VALVE POSITIONER KIT	
13	91085071	1	MODIFIED CONNECTOR	
14	2220473	2	ELBOW, 90, (includes o-ring)	
14	88591204	2	O-RING	
15	91303038	1	SOLENOID VALVE, (includes coil)	
15	80934037	1	COIL	
16	88561107	2	FLAT WASHER, 1/4	
17	88662084	1	ELBOW, 45, (includes o-ring)	
17	88591204	1	O-RING	
18	88201012	2	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	
19	88551009	2	LOCKWASHER, 1/4	
20	88501004	2	HEX NUT, 1/4-20	
21	84717537	1	HOSE ASSY	
22	91141331	1	SPACER	
23	91143146	1	ORIFICE PLATE, (.109)	
24	91033487	2	CHECK VALVE PLATE	
25	2220371	2	CONNECTOR, (includes o-ring)	
25	88591204	2	O-RING	
26	84718847	1	HOSE ASSY	
27	91143147	1	ORIFICE PLATE, (.095)	

FIGURE 12-13. OVERHEAD WINDOW

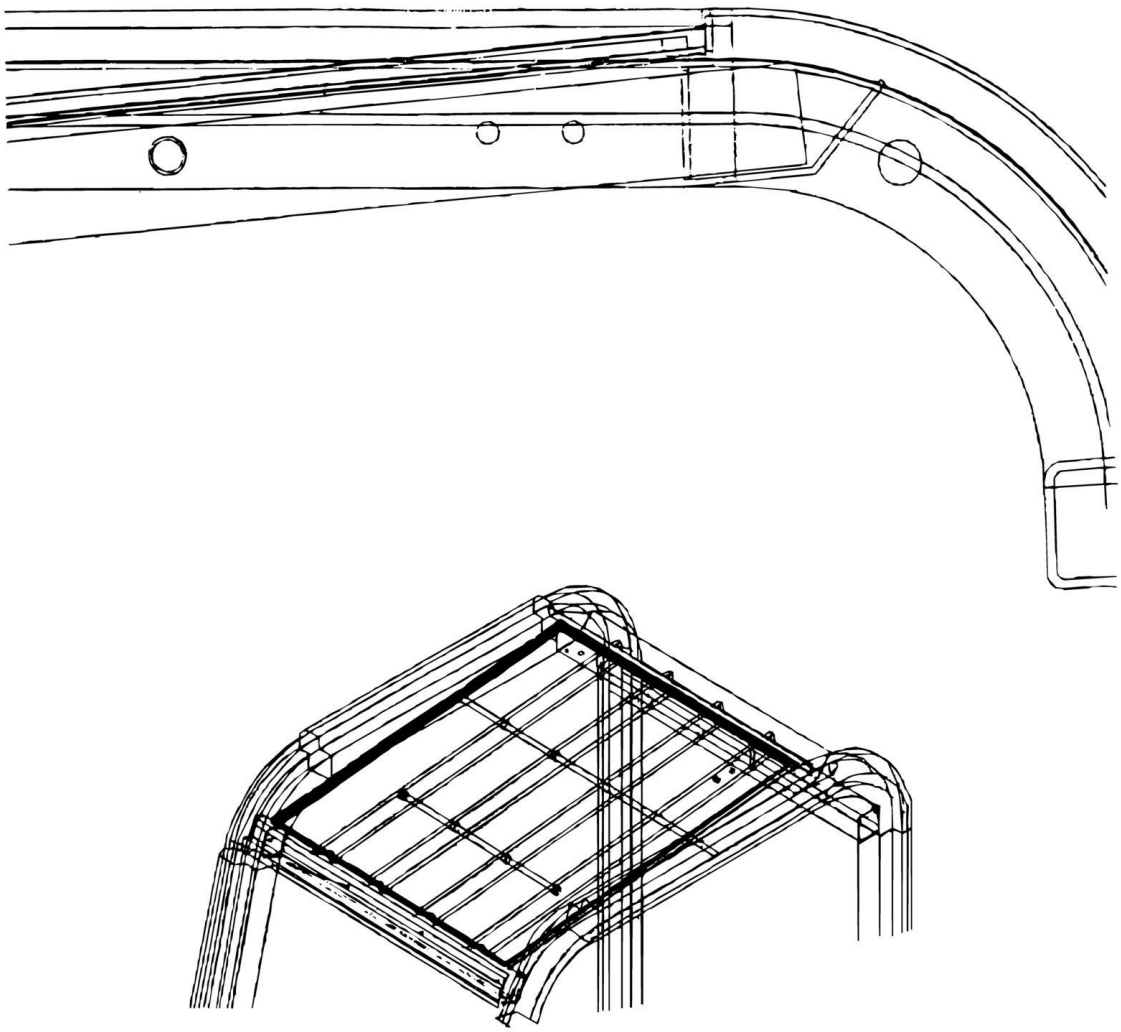
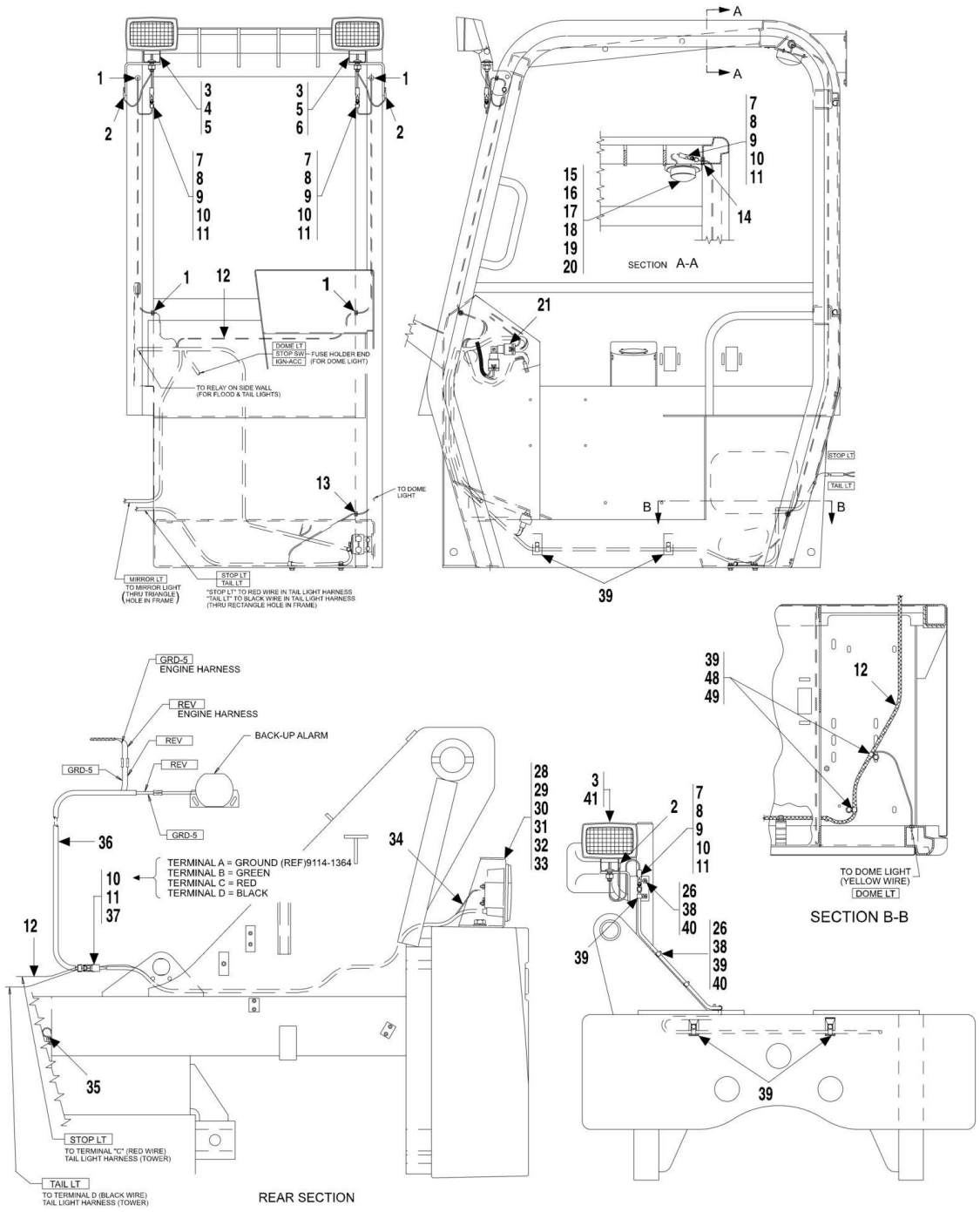
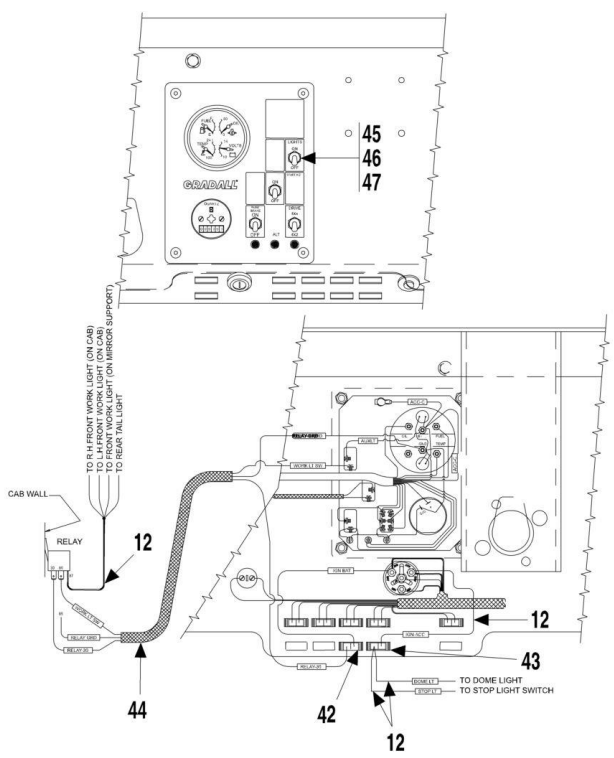


FIGURE 12-13. OVERHEAD WINDOW

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91363019	1	OVERHEAD WINDOW	

FIGURE 12-14. WORK LIGHT PACKAGE (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)




45
46
47
CRADALL
TO R.H.FRONT WORK LIGHT (ON CAB)
TO L.H.FRONT WORK LIGHT (ON CAB)
TO FRONT WORK LIGHT (ON MIRROR SUPPORT)
TO REAR TAIL LIGHT
CAB WALL
RELAY
12
44
42
12
43
12
TO DOME LIGHT
TO STOP LIGHT SWITCH

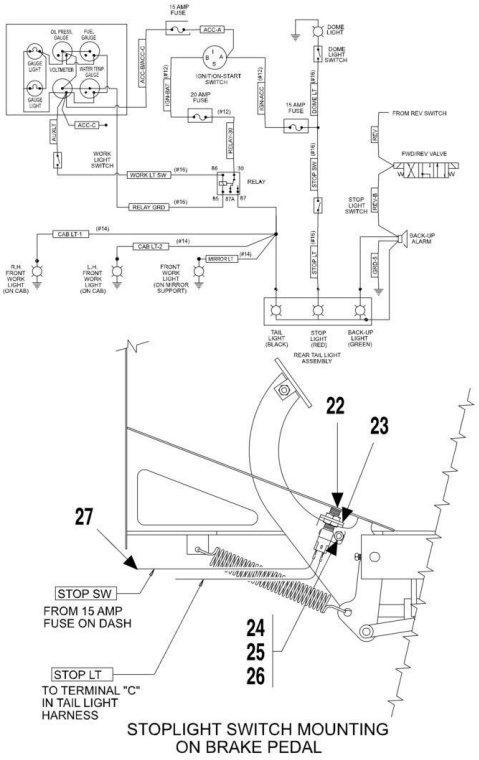
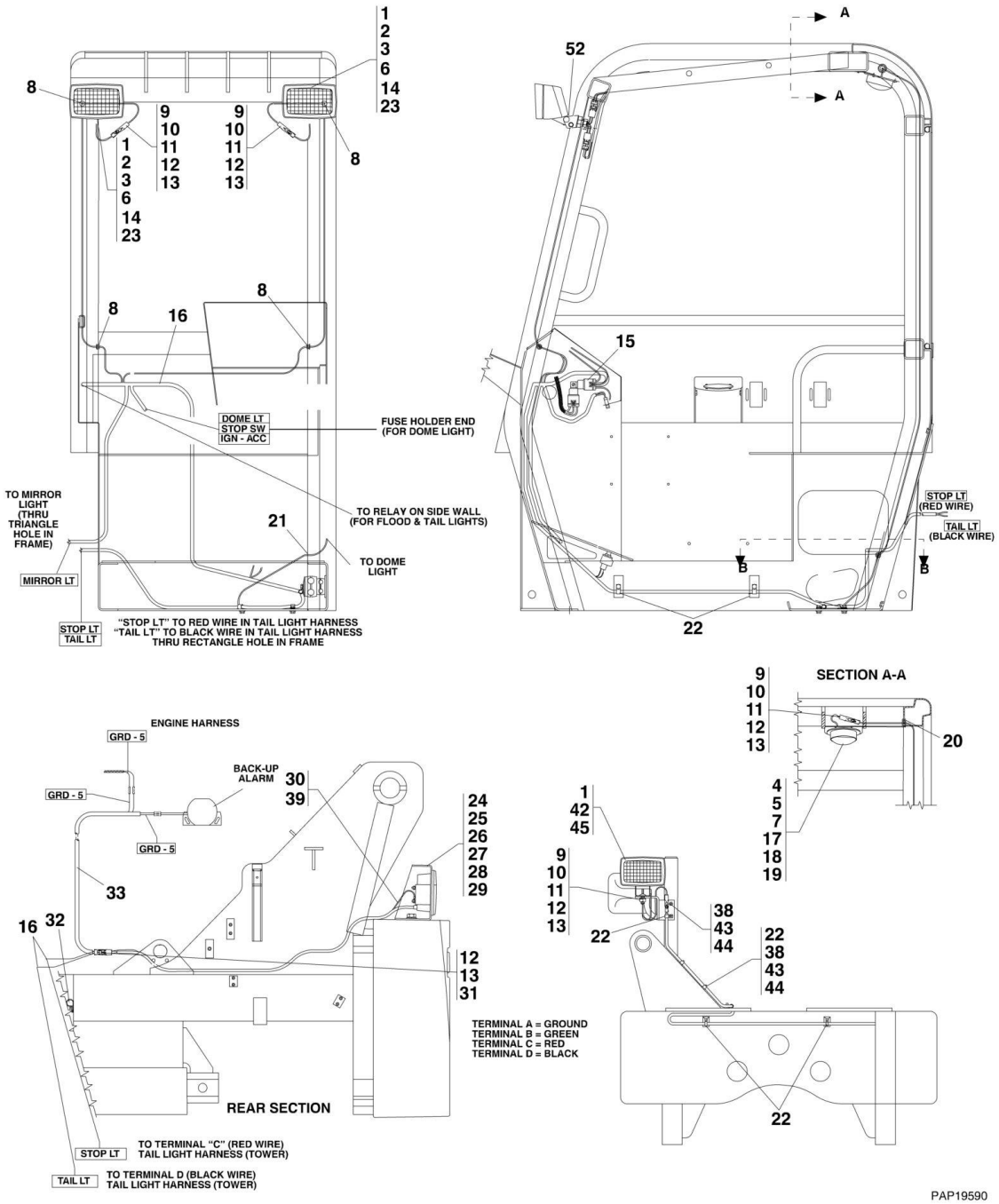

15 AMP FUSE
ACC-A
DOME LIGHT
DOME LIGHT SWITCH
IGNITION-START SWITCH
20 AMP FUSE
15 AMP FUSE
ACC-C1
WORK LIGHT SWITCH
WORK LT SW
RELAY
RELAY GRD
FROM REV SWITCH
FWD/REV VALVE
STOP LIGHT SWITCH
BACK-UP ALARM
CAB LT 1
CAB LT 2
R.H. FRONT WORK LIGHT (ON CAB)
L.H. FRONT WORK LIGHT (ON CAB)
FRONT WORK LIGHT (ON MIRROR SUPPORT)
TAIL LIGHT (BLACK)
STOP LIGHT (RED)
BACK-UP LIGHT (GREEN)
REAR TAIL LIGHT ASSEMBLY
22
23
27
STOP SW
FROM 15 AMP FUSE ON DASH
STOP LT
TO TERMINAL "C" IN TAIL LIGHT HARNESS
24
25
26
STOPLIGHT SWITCH MOUNTING ON BRAKE PEDAL

FIGURE 12-14. WORK LIGHT PACKAGE (534D-9 SN 0544001 through 0160012394, Excluding 0160012112; 534D-10 SN 0366001 through 0160012392, Excluding 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365003	1	WORK LIGHT PACKAGE, (includes all items)	J
1	90027214	4	RUBBER GROMMET	
2	86883260	3	EYELET	
3	80963050	3	UTILITY FLOOD LIGHT	
4	91361001	1	RH LIGHT SUPPORT	
5	90027319	4	DR. AND TAP SCREW, 1/4-20X1	
6	91361002	1	LH LIGHT SUPPORT	
7	80963055	4	W. PACK CONNECTOR, (tower)	
8	80963056	4	W. PACK CONNECTOR, (shroud)	
9	80963068	4	W. PACK CONNECTOR, (female pin)	
10	80963069	8	W. PACK CONNECTOR, (male pin)	
11	80963066	12	W. PACK CONNECTOR, (cable seal)	
12	91363008	1	LIGHT HARNESS	
13	91033425	1	RUBBER GROMMET	
14	91033380	1	RUBBER GROMMET	
15	24861167	1	INTERIOR LIGHT	
16	91361003	1	MOUNTING BRACKET	
17	88321022	2	SELF-TAPPING SCREW, #8-32X3/8	
18	90029955	1	RUBBER GROMMET	
19	89981036	3	PAN HD SCREW, #8-32X3/8	
20	88501610	3	HEX NUT, #8-32	
21	77383410	1	RELAY	
22	91143117	1	STOPLIGHT SWITCH	
23	91141512	1	TAB	
24	88201002	1	HEX HD CAPSCREW, 1/4-20X5/8, GR5	
25	88561107	1	FLAT WASHER, 1/4	
26	88551009	6	LOCKWASHER, 1/4	
27		Ref	WIRE LOOM, (use on all wires)	
28	91121145	1	TAIL LIGHT HOUSING	
29	91121146	1	TAIL LIGHT BRACKET	
30	91365045	1	TAIL LIGHT ASSY, (includes the following seven items)	
30	91123065	1	TAIL LIGHT	
30	86661147	38 in	WIRE, 16 GAUGE, (black)	
30	86661149	38 in	WIRE, 16 GAUGE, (green)	
30	86661152	38 in	WIRE, 16 GAUGE, (red)	
30	86683480	3	BUTT CONNECTOR	
30	82033996	45 in	WIRE LOOM	
30	86683122	2	TIE WRAP	
31	88201108	1	HEX HD CAPSCREW, 3/4-10X1-1/4, GR5	
32	88561115	1	FLAT WASHER, 3/4	
33	88551016	1	LOCKWASHER, 3/4	
34	91141364	1	JUMPER WIRE	
35	85941017	1	SUPPORT CLAMP	
36	91363087	1	TAIL LIGHT HARNESS	
37	80963062	1	W. PACK CONNECTOR, (shroud)	
38	85611274	5	WELD STUD, 1/4-20X5/8	
39	86621230	10	SUPPORT CLAMP	
40	88501004	5	HEX NUT, 1/4-20	
41	91361004	1	LIGHT SUPPORT	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	77363302	1	FUSE, 20 AMP	
43	77363268	1	FUSE, 15 AMP	
44	91363073	1	WORK LIGHT DASH HARNESS	
45	77383467	1	LIGHT SWITCH	
46	77383470	1	BOOT	
47	91363009	1	LIGHTS ON/OFF DECAL	
48	77143003	2	WHIZ-LOCK SCR., 5/16-18X5/8	
49	77143006	2	WHIZ-LOCKNUT, 5/16-18	

FIGURE 12-15. WORK LIGHT PACKAGE (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)



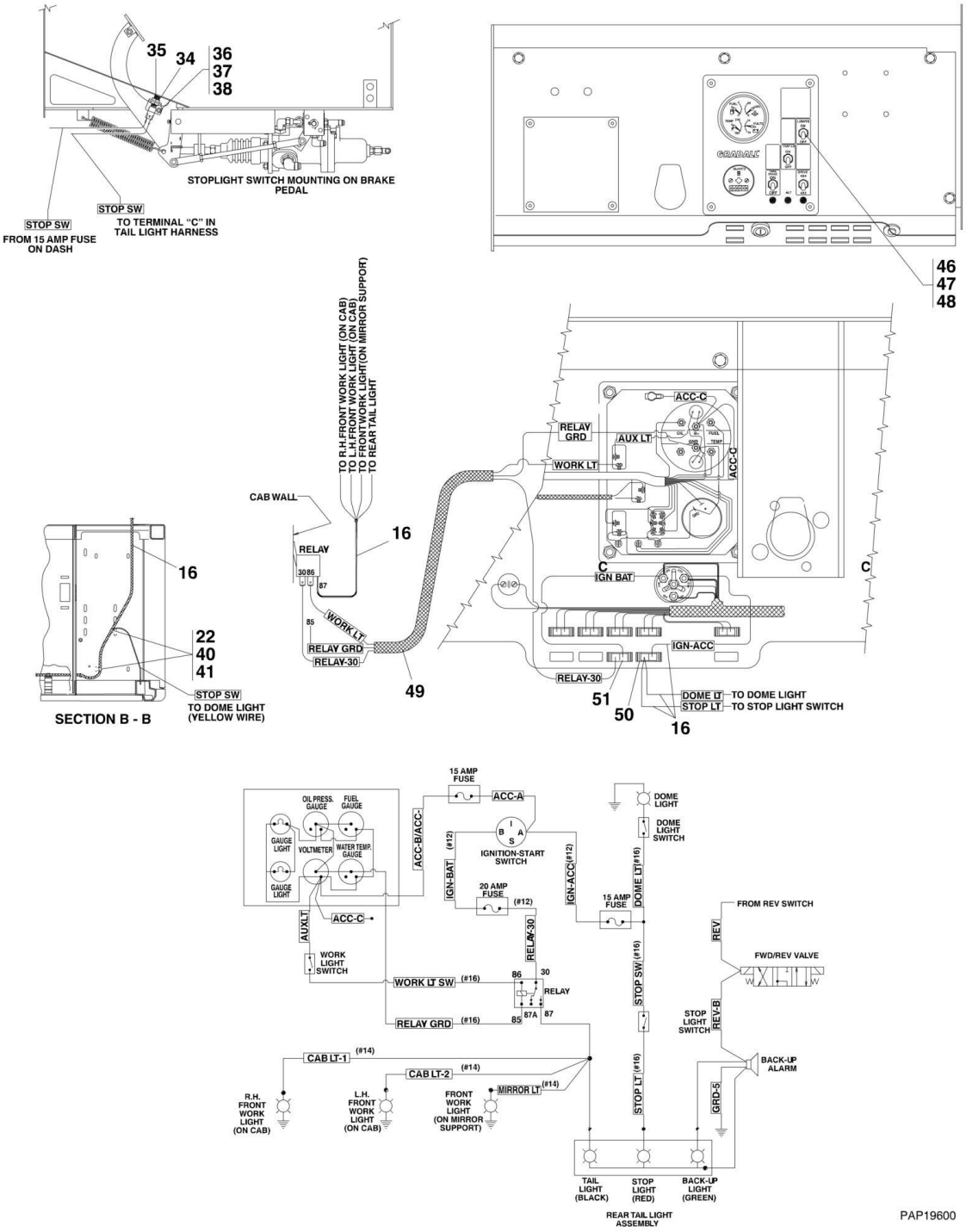

35
34
36
37
38
STOPLIGHT SWITCH MOUNTING ON BRAKE PEDAL
STOP SW
TO TERMINAL "C" IN TAIL LIGHT HARNESS
STOP SW
FROM 15 AMP FUSE ON DASH
46
47
48
TO R.H. FRONT WORK LIGHT (ON CAB)
TO L.H. FRONT WORK LIGHT (ON CAB)
TO FRONT WORK LIGHT(ON MIRROR SUPPORT)
TO REAR TAIL LIGHT
CAB WALL
16
RELAY
30 86
87
85
WORK LT
RELAY GRD
RELAY-30
49
ACC-C
RELAY GRD
AUX LT
WORK LT
ACC-C
C
IGN BAT
C
IGN-ACC
RELAY-30
51
50
16
DOME LT
TO DOME LIGHT
STOP LT
TO STOP LIGHT SWITCH
16
22
40
41
STOP SW
TO DOME LIGHT (YELLOW WIRE)
SECTION B - B
15 AMP FUSE
ACC-A
OIL PRESS. GAUGE
FUEL GAUGE
GAUGE LIGHT
VOLTMETER
WATER TEMP. GAUGE
GAUGE LIGHT
ACC-B/ACC-
(#12)
IGNITION-START SWITCH
IGN-BAT
20 AMP FUSE
(#12)
IGN-ACC(#12)
15 AMP FUSE
DOME LIGHT
DOME LIGHT SWITCH
DOME LT(#16)
AUX LT
ACC-C
WORK LIGHT SWITCH
RELAY-30
WORK LT SW
(#16)
86
30
RELAY
87A
87
85
RELAY GRD
(#16)
STOP SW(#16)
FROM REV SWITCH
REV
FWD/REV VALVE
STOP LIGHT SWITCH
REV-B
BACK-UP ALARM
CAB LT-1
(#14)
CAB LT-2
(#14)
MIRROR LT
(#14)
STOP LT (#16)
GRD-5
R.H. FRONT WORK LIGHT (ON CAB)
L.H. FRONT WORK LIGHT (ON CAB)
FRONT WORK LIGHT (ON MIRROR SUPPORT)
TAIL LIGHT (BLACK)
STOP LIGHT (RED)
BACK-UP LIGHT (GREEN)
REAR TAIL LIGHT ASSEMBLY
PAP19600

FIGURE 12-15. WORK LIGHT PACKAGE (534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274495	1	WORK LIGHT PACKAGE, (includes all items)	E
1	80963050	3	UTILITY FLOOD LIGHT	
2	8307028	2	EXTERNAL TOOTH WASHER, 1/2	
3	91403503	2	SPACER	
4	24861167	1	INTERIOR LIGHT	
5	91361003	1	MOUNTING BRACKET	
6	90027319	4	DR. AND TAP SCREW, 1/4-20X1	
7	88321022	2	SELF-TAPPING SCREW, #8-32X3/8	
8	90027214	4	RUBBER GROMMET	
9	80963055	4	WEATHER PACK, TOWER	
10	80963056	4	WEATHER PACK, SHROUD	
11	80963068	4	FEMALE PIN TERMINAL	
12	80963069	8	MALE PIN TERMINAL	
13	80963066	12	CABLE SEAL	
14	91083333	2	SCREW EYELET, 1/2	
15	77383410	1	RELAY	
16	91363008	Ref	LIGHT HARNESS	
17	90029955	1	RUBBER GROMMET	
18	89981036	3	PAN HEAD SCREW, #8-32X3/8	
19	88501610	3	HEX NUT, #8-32	
20	91033380	1	RUBBER GROMMET	
21	91033425	1	RUBBER GROMMET	
22	86621230	10	SUPPORT CLAMP	
23	91413052	2	MTG BOLT WORK LIGHT	
24	91121145	1	TAIL LIGHT HOUSING	
25	91121146	1	TAIL LIGHT BRACKET	
26	91365045	1	TAIL LIGHT ASSY, (includes the following seven items)	B
26	91123065	1	TAIL LIGHT	
26	86661147	38 in	WIRE, 16 GAUGE, (black)	
26	86661149	38 in	WIRE, 16 GAUGE, (green)	
26	86661152	38 in	WIRE, 16 GAUGE, (red)	
26	4460035	3	BUTT CONNECTOR	
26	82033996	45 in	WIRE LOOM	
26	86683122	2	TIE WRAP	
27	88201108	1	HEX HD CAPSCREW, 3/4-10X1-1/4, GR5	
28	88561115	1	FLAT WASHER, 3/4	
29	88551016	1	LOCKWASHER, 3/4	
30	91141364	1	JUMPER WIRE	
31	80963062	1	WEATHER PACK, SHROUD	
32	85941017	1	SUPPORT CLAMP	
33	91363087	1	TAIL LIGHT HARNESS **(534D-9 Prior to SN 0160020122; 534D-10 Prior to SN 0160019671)**	
33	4923525	1	TAIL LIGHT HARNESS **(534D-9 SN 0160020122 to Present; 534D-10 SN 0160019671 to Present)**	
34	91141512	1	TAB	
35	91143117	1	STOP LIGHT SWITCH	
36	88201002	1	HEX HD CAPSCREW, 1/4-20X5/8, GR5	
37	88561107	1	FLAT WASHER, 1/4	
38	88551009	6	LOCKWASHER, 1/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	82033996	4 in	FLEX WIRE LOOM	
40	77143003	2	WHIZ-LOCK SCREW, 5/16-18X5/8	
41	77143006	2	WHIZ-LOCKNUT, 5/16-18	
42	91361004	1	LIGHT SUPPORT	
43	85611274	5	WELD STUD, 1/4-20X3/4	
44	88501004	5	HEX NUT, 1/4-20	
45	86883260	1	SCREW EYELET, 3/8	
46	77383467	1	TOGGLE SWITCH, SPST	
47	77383470	1	BOOT	
48	91363009	1	LIGHTS ON/OFF DECAL	
49	91363073	1	WORK LIGHT DASH HARNESS	
50	77363268	1	FUSE, (15 amp)	
51	77363302	1	FUSE, (20 amp)	
52	14401473	AR	SILICON SEALENT	

FIGURE 12-16. RH TILT/SWAY (Prior to SN 0160027771)

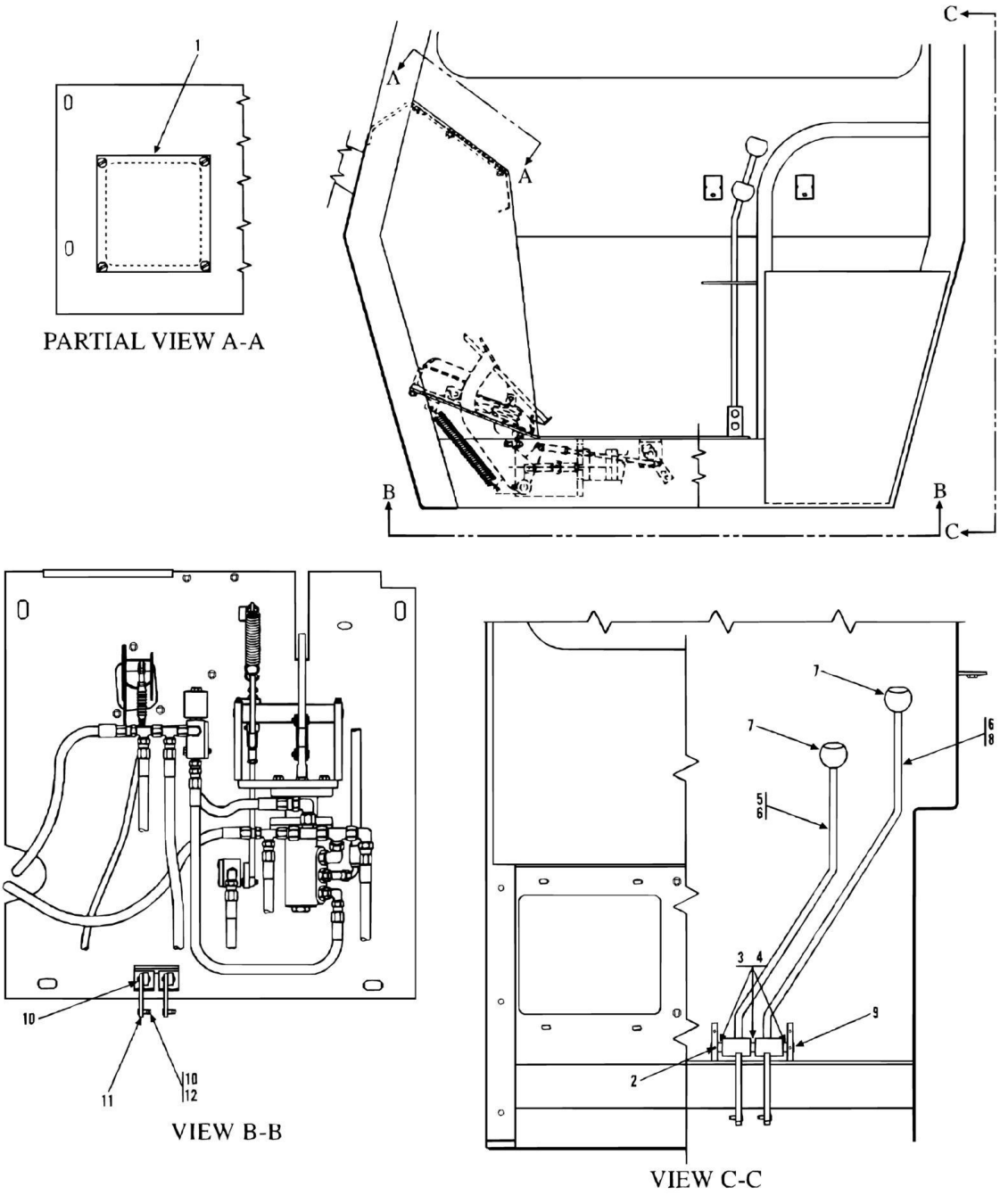
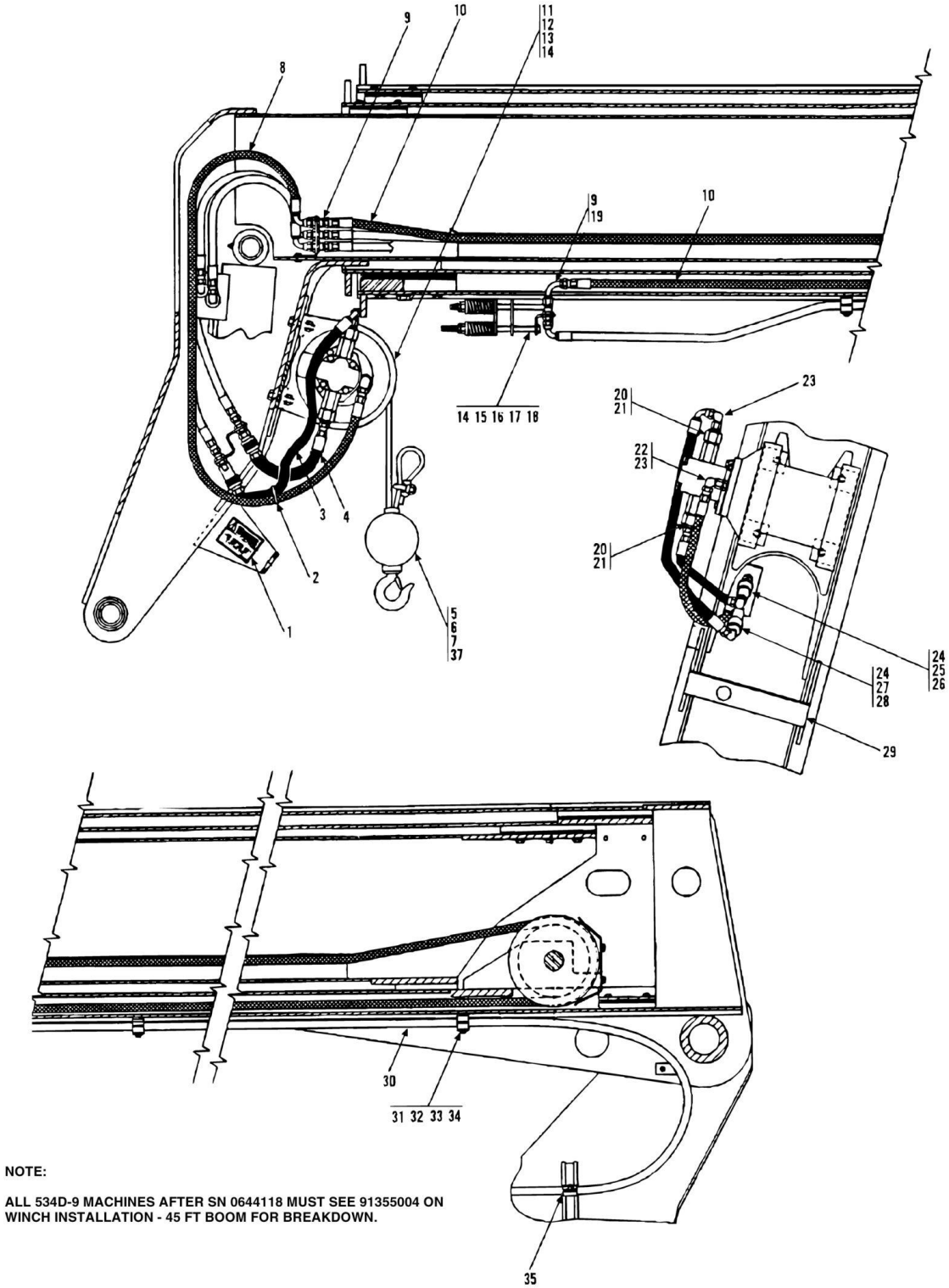


FIGURE 12-16. RH TILT/SWAY (Prior to SN 0160027771)

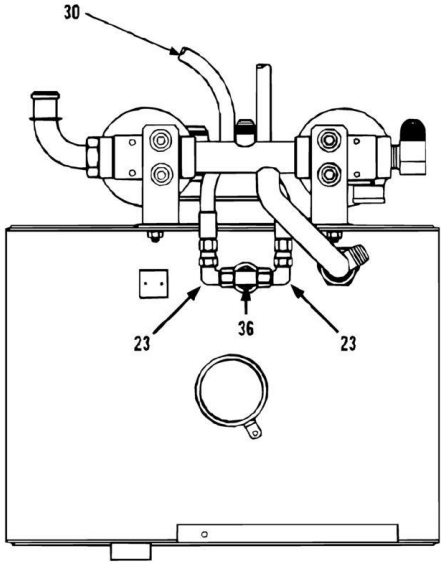
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145036	Ref	RH TILT/SWAY, (includes all items)	
1	91081480	1	COVER PLATE	
2	88631338	1	COTTER PIN	
3	90028662	3	WAVE BEND WASHER	
4	88561113	9	WASHER, 5/8	
5	91146043	1	SWAY LEVER	
6	91083136	4	BUSHING	
7	90200638	2	KNOB	
8	91146042	1	TILT LEVER	
9	91081354	1	SHAFT	
10	88631301	4	COTTER PIN	
11	91361023	2	ROD LINKAGE	
12	90021552	2	CLEVIS PIN	

FIGURE 12-17. WINCH INSTALLATION - 534D-9 40 FT BOOM (534D-9 SN 0544001 through 0644118)



NOTE:

ALL 534D-9 MACHINES AFTER SN 0644118 MUST SEE 91355004 ON WINCH INSTALLATION - 45 FT BOOM FOR BREAKDOWN.


30
23
36
23

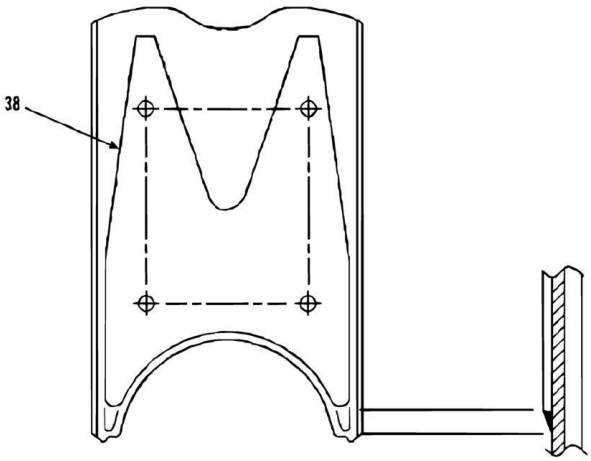
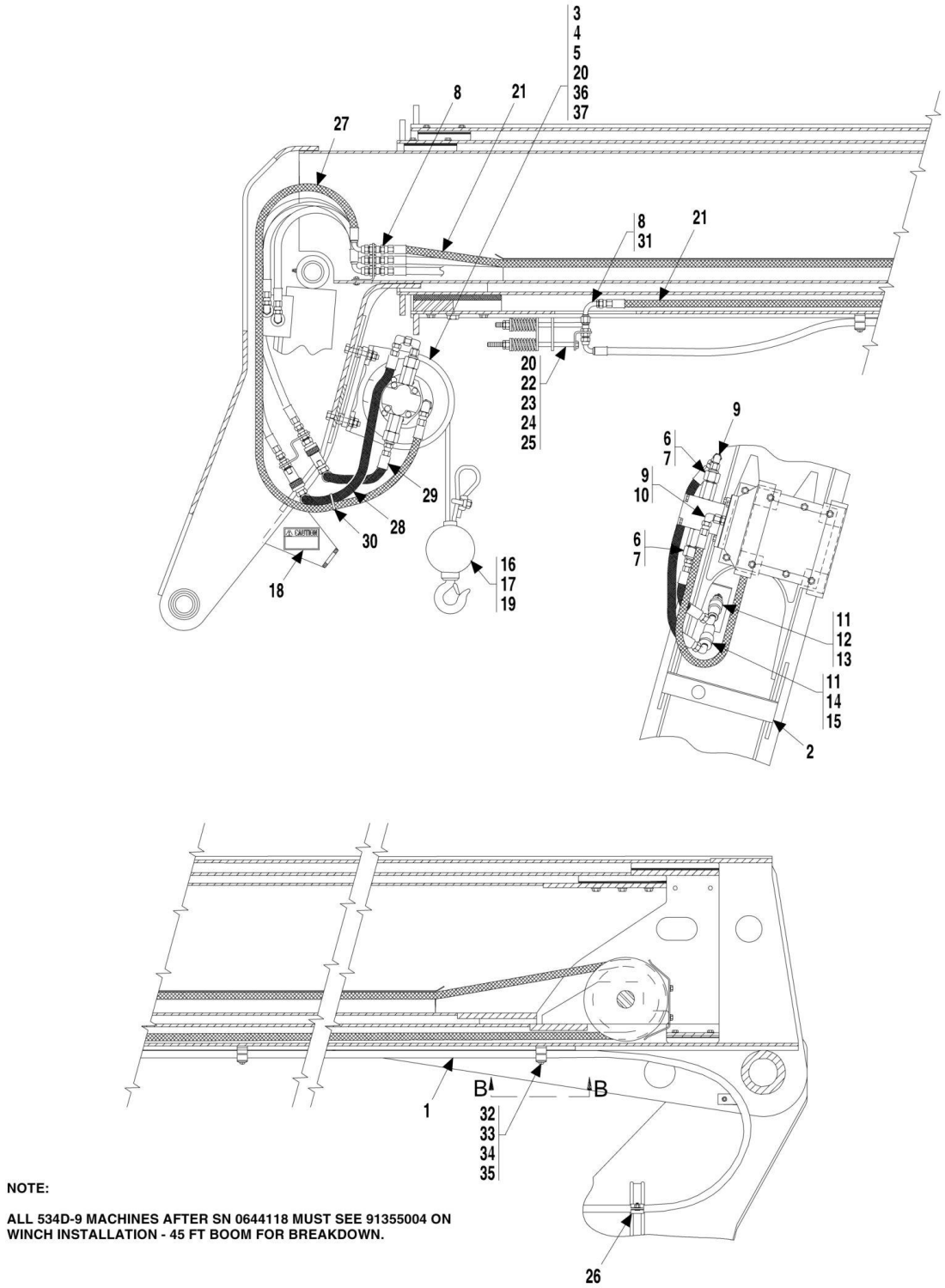

38

FIGURE 12-17. WINCH INSTALLATION - 534D-9 40 FT BOOM (534D-9 SN 0544001 through 0644118)

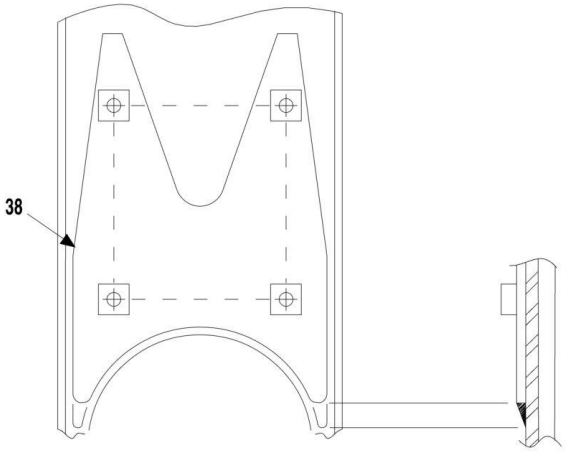
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145018	Ref	WINCH INSTALLATION, (includes all items)	K
1	91083535	1	WARNING DECAL	
2	90027187	5	NYLON TIE, (locate as required)	
3	84716148	1	HOSE ASSY	
4	84718046	1	HOSE ASSY	
5	90207882	1	CABLE	
6	90201443	1	HOOK AND BALL, (includes item 37)	
7	90028990	1	WIRE ROPE CLIP	
8	84717846	1	HOSE ASSY	
9	90027176	2	STRAIGHT BULKHEAD FITTING	
10	84719575	1	HOSE ASSY	
11		Ref	WINCH, (See WINCH for Breakdown)	
12	88201070	4	HEX HD CAPSCREW, 1/2-13X2-1/4, GR5	
13	90027471	8	HARDENED WASHER, 1/2	
14	88501008	5	HEX NUT, 1/2-13	
15	91146028	1	HOSE TAKE-UP WELDMENT	
16	91123054	1	COMPRESSION SPRING	
17	91121134	1	SPRING RETAINER	
18	88501108	1	HEAVY HEX JAM NUT, 1/2-13	
19	2220386	1	ELBOW, 90, (swivel nut)	
20	2220624	2	TUBE END REDUCER	
21	91033161	2	FLOW REGULATOR	
22	88661011	1	MALE CONNECTOR, 1/2X1/4 TUBE	
23	88662106	5	ELBOW, 90, (swivel nut)	
24	88661113	2	MALE ELBOW, 90, 1/2X1/2 TUBE	
25	91163139	1	FEMALE COUPLER	
26	91043125	1	DUST PLUG	
27	91163138	1	MALE COUPLER	
28	91043126	1	DUST CAP	
29	91121159	1	STOWAGE BRACKET	
30	84718427	1	HOSE ASSY	
31	77133053	3	CLAMP SET	
32	77133052	3	COVER PLATE	
33	77133209	6	HEX HD CAPSCREW, 1/4-20X1-3/8	
34	77133029	3	BASE PLATE	
35	90207464	1	CUSHION CLAMP	
36	2220383	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE	
37	91144440	1	SAFETY LATCH KIT	
38	91141194	1	WINCH MOUNTING PLATE	

FIGURE 12-18. WINCH INSTALLATION - 534D-10 40 FT BOOM (534D-10 SN 0366001 through 0366088)



NOTE:

ALL 534D-9 MACHINES AFTER SN 0644118 MUST SEE 91355004 ON WINCH INSTALLATION - 45 FT BOOM FOR BREAKDOWN.


38

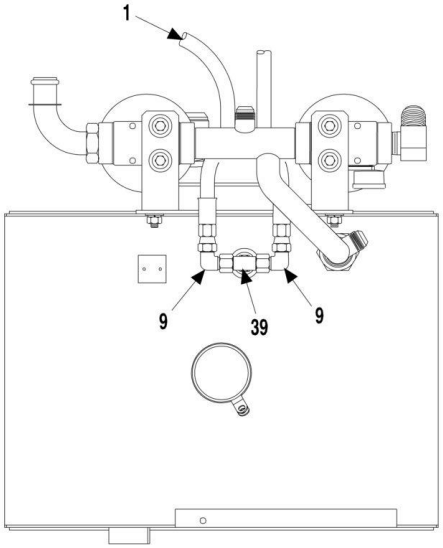

1
9
39
9

FIGURE 12-18. WINCH INSTALLATION - 534D-10 40 FT BOOM (534D-10 SN 0366001 through 0366088)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91155003	Ref	WINCH INSTALLATION, (includes all items)	
1	84718427	1	HOSE ASSY	
2	91121159	1	STOWAGE BRACKET	
3		Ref	WINCH, (See WINCH for Breakdown)	
4	86121186	4	HEX HD CAPSCREW, 1/2-13X2	
5	90027471	8	HARDENED WASHER, 1/2	
6	91033161	2	FLOW REGULATOR	
7	2220624	2	TUBE END REDUCER	
8	90027176	2	STRAIGHT BULKHEAD FITTING	
9	88662106	5	ELBOW, 90, (swivel nut)	
10	88661011	1	MALE CONNECTOR, 1/2X1/4 TUBE	
11	88661113	2	ELBOW, 90, 1/2X1/2 TUBE	
12	90204245	1	FEMALE COUPLER	
13	91043125	1	DUST PLUG	
14	90204244	1	MALE COUPLER	
15	91043126	1	DUST CAP	
16	90207882	1	CABLE	
17	90201443	1	HOOK BALL	
18	91083535	1	CAUTION DECAL	
19	90028990	1	WIRE ROPE CLIP	
20	88501008	9	HEX NUT, 1/2-13	
21	84719575	1	HOSE ASSY	
22	91146028	1	HOSE TAKE-UP WELDMENT	
23	91123054	1	COMPRESSION SPRING	
24	91121134	1	SPRING RETAINER	
25	88501108	1	HEAVY HEX JAM NUT, 1/2-13	
26	90207464	1	CUSHION CLAMP	
27	84717846	1	HOSE ASSY	
28	84716148	1	HOSE ASSY	
29	84718046	1	HOSE ASSY	
30	90027187	1	NYLON TIE	
31	2220386	1	ELBOW, 90, (swivel nut)	
32	77133053	3	CLAMP SET	
33	77133052	3	COVER PLATE	
34	77133209	6	HEX HD CAPSCREW, 1/4-20X1-3/8	
35	77133029	3	BASE PLATE	
36	83201149	4	HEX HD CAPSCREW, 1/2-13X3, GR8	
37	91151006	1	MOUNTING PLATE	
38	91151004	1	WINCH MOUNTING PLATE	
39	2220383	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE	

FIGURE 12-19. WINCH (534D-9 Prior to SN 0544532; 534D-10 Prior to SN 0366143)

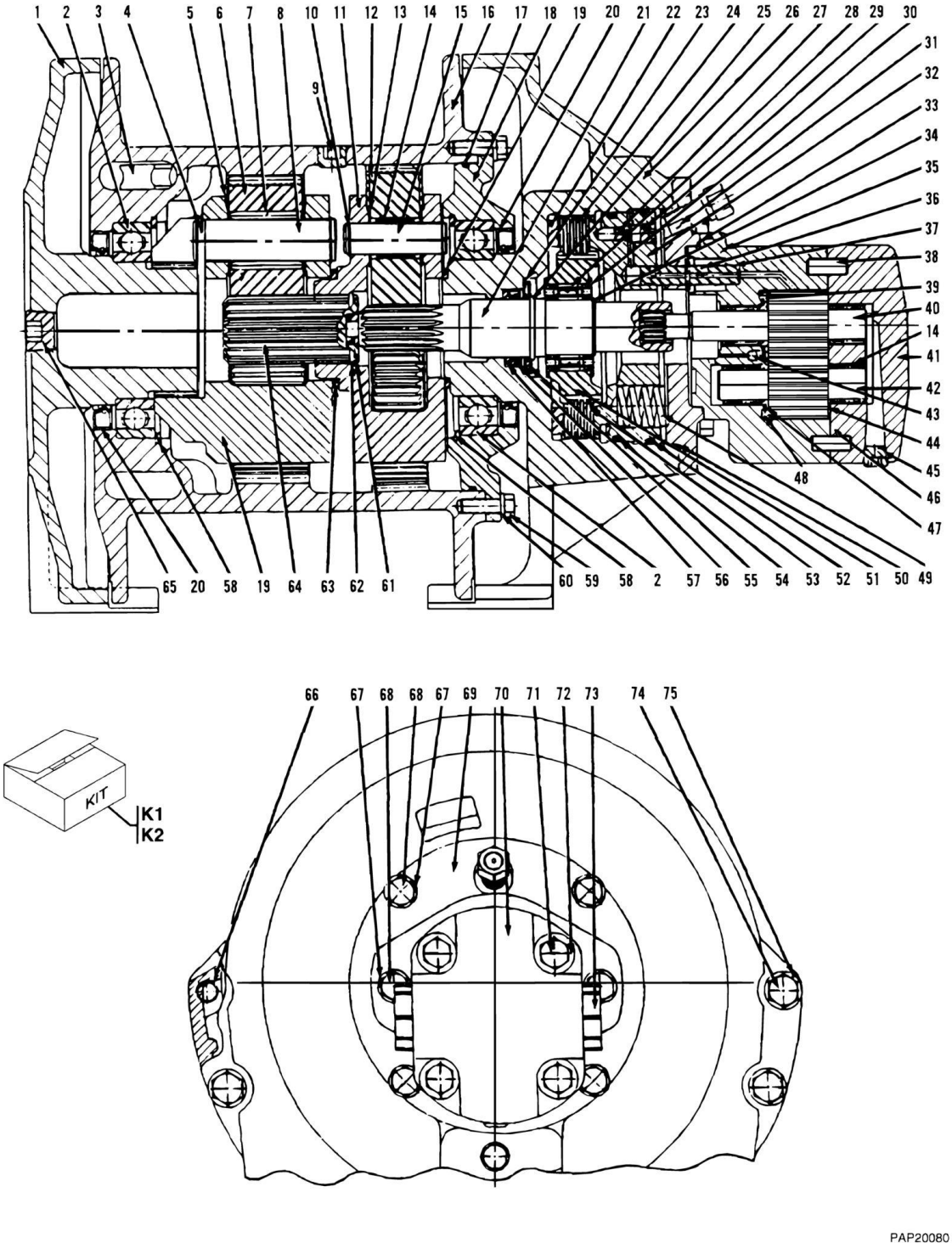


FIGURE 12-19. WINCH (534D-9 Prior to SN 0544532; 534D-10 Prior to SN 0366143)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91033196	NLA	WINCH ASSY, (no longer available; use 91363079 for replacement or items 1 thru 75 for service)	
	91034163	1	FINAL PLANETARY HUB ASSY, (includes items 4, 5, 6, 7, 8 & 64)	
	91034164	1	PRIMARY PLANETARY HUB ASSY, (includes items 10 thru 14, 15, 19, 61, 62 & 63)	
1	91034187	1	END HOUSING	
2	91034196	2	BALL BEARING	
3	91034193	1	WEDGE	
4	91034194	6	CIRCLIP	
5	91034201	6	THRUST WASHER	
6	91034177	3	FINAL PLANETARY GEAR	
7	91034204	60	NEEDLE ROLLER	
8	91034176	3	FINAL PLANETARY PIN	
9		Ref	HEX SOCKET PIPE PLUG	
10	91034198	6	CIRCLIP	
11	91034180	1	PRIMARY PLANETARY HUB	
12	91034178	3	PRIMARY PLANETARY GEAR	
13	91034200	6	THRUST WASHER	
14	91034199	7	NEEDLE BEARING	
15	91034166	3	PRIMARY PLANETARY PIN	
16	91034172	1	CABLE DRUM	
17		Ref	O-RING	
18	91034173	1	BEARING FLANGE	
19	91034179	2	NYLON SPACER	
20	Kit	2	OIL SEAL	
21	91034190	1	PRIMARY SUN GEAR	
22	91034168	1	BRAKE SPACER	
23	91034206	2	THRUST WASHER	
24	91034197	5	DIVIDER PLATE	
25	91034208	1	CIRCLIP	
26	91034186	1	BRAKE HOUSING	
27	91034185	1	ORIFICE PLUG	
28	91034202	1	SPRAG CLUTCH	
29		Ref	HEX SOCKET PIPE PLUG	
30	91034169	2	SPRAG CLUTCH ALIGNER	
31	91034192	1	SAFETY VALVE	
32	91034184	1	PISTON	
33	Kit	1	O-RING	
34	91034203	1	CIRCLIP	
35	91034191	1	MOTOR BODY	
36	91034181	1	CONNECTING TUBE	
37	Kit	2	O-RING	
38	91034213	2	DOWEL PIN	
39	91034211	1	WEAR PLATE	
40	91034216	1	DRIVE GEAR	
41	91034212	1	COVER	
42	91034217	1	DRIVEN GEAR	
43	91034215	2	DOWEL PIN	
44	91034210	1	THRUST PLATE	
45		Ref	HEX SOCKET PIPE PLUG	

SECTION 12 - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	Kit	1	SQUARE CUT SEAL RING	
47	Kit	1	RUBBER SPACER	
48	Kit	1	NYLATRON	
49	91034171	6	BRAKE SPRING	
50		Ref	O-RING	
51	91034170	1	BRAKE HUB	
52	Kit	1	O-RING	
53	91034165	4	BRAKE PLATE	
54	Kit	1	O-RING	
55	91034207	1	THRUST BEARING	
56		Ref	OIL SEAL	
57	91034182	1	BACK-UP WASHER	
58	91034195	2	CIRCLIP	
59	88201019	6	HEX HD CAPSCREW, 5/16-18X7/8, GR5	
60	88551010	6	LOCKWASHER, 5/16	
61	91034167	1	PRIMARY SUN GEAR STOPPER	
62	91034205	1	CIRCLIP	
63	91034174	1	FINAL SUN GEAR	
64	91034175	1	FINAL PLANETARY HUB	
65		Ref	HEX SOCKET PIPE PLUG	
66	91034188	2	TIE BAR	
67	88551011	6	LOCKWASHER, 3/8	
68	88201035	6	HEX HD CAPSCREW, 3/8-16X1, GR5	
69	91034183	1	MOTOR ADAPTER	
70	91034189	1	HYDRAULIC MOTOR ASSY, (includes items 14, 35, 38 thru 47, 71 & 72)	
71	91034209	4	HEX HD CAPSCREW	
72	91034214	4	WASHER	
73		Ref	CAPLUG	
74	88221051	8	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
75	88551012	8	LOCKWASHER, 7/16	
K1	91034161	1	SEAL KIT, (includes items 20, 33, 37, 46, 47, 48, 52 & 54)	
K2	91034162	1	HYDRAULIC MOTOR SEAL KIT, (includes items 46, 47 & 48)	

FIGURE 12-20. WINCH (534D-9 SN 0544532 to Present; 534D-10 SN 0366143 to Present)

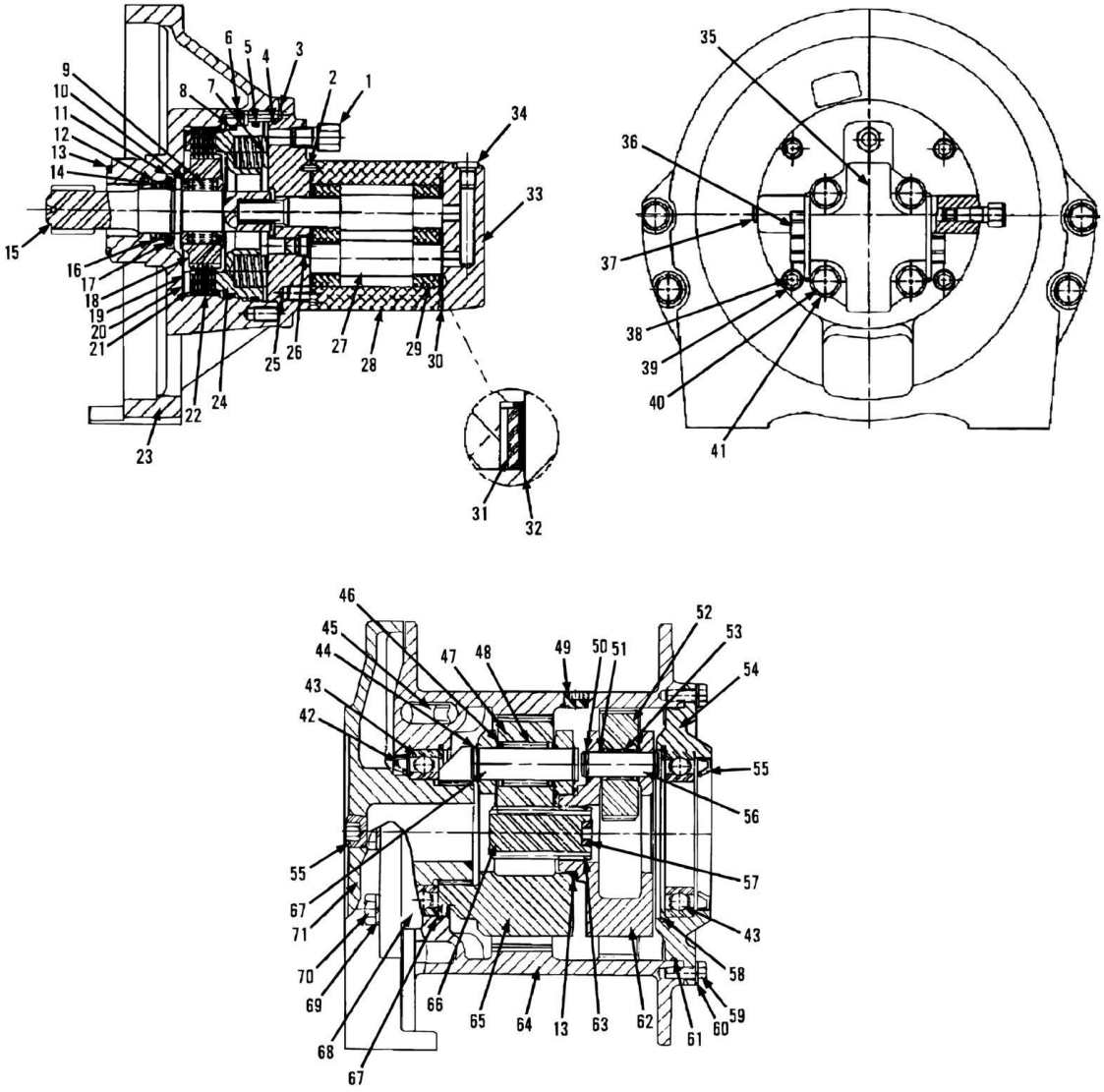


FIGURE 12-20. WINCH (534D-9 SN 0544532 to Present; 534D-10 SN 0366143 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91363079	1	WINCH ASSY, (includes all items)	A
1	91034192	1	SAFETY VALVE	
2	91364101	2	DOWEL PIN	
3	91364102	2	O-RING	
4	91364103	1	O-RING	
5	91364104	1	O-RING	
6	91364105	1	ORIFICE PLUG	
7	91034171	10	BRAKE SPRING	
8	91364106	1	O-RING	
9	91364107	1	SPRAG CLUTCH	
10	91034169	2	SPRAG CLUTCH ALIGNER	
11	91034207	1	THRUST BEARING	
12	91364108	1	OIL SEAL	
13	91034179	2	NYLON SPACER	
14	91034182	1	BACK-UP WASHER	
15	91364109	1	SUN GEAR	
16	91034206	2	THRUST WASHER	
17	91034208	1	CIRCLIP	
18	91364110	1	BRAKE HUB	
19	91364111	1	BRAKE SPACER	
20	91364112	1	CIRCLIP	
21	91034165	5	FRICTION PLATE	
22	91034197	6	DIVIDER PLATE	
23	91364113	1	BRAKE HOUSING	
24	91364114	1	PISTON	
25	91364115	1	MOTOR ADAPTER	
26	91364116	2	CHECK VALVE	
27	91364117	1	GEAR SET	
28	91364118	1	GEAR HOUSING	
29	91364119	2	THRUST BLOCK	
30	91364120	2	SECTION SEAL	
31	91364121	2	CHANNEL SEAL	
32	91364122	2	BACK-UP SEAL	
33	91364123	1	COVER	
34	91364124	1	PLUG	
35	91364125	1	HYDRAULIC MOTOR ASSY	
36	91364126	2	CAPLUG	
37	91014038	2	PIPE PLUG	
38	91364127	4	SOCKET HD CAPSCREW, 3/8-16X1, GR5	
39	91364128	4	LOCKWASHER, 3/8	
40	91364129	4	WASHER	
41	91364130	4	HEX HD CAPSCREW	
42	91364131	2	OIL SEAL	
43	91034196	2	BALL BEARING	
44	91364132	6	CIRCLIP	
45	91034193	1	WEDGE	
46	91034201	6	THRUST WASHER	
47	91034177	3	PLANETARY GEAR	
48	91034204	60	NEEDLE ROLLER	
49	91364133	1	PIPE PLUG	

SECTION 12 - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	91364134	6	CIRCLIP	
51	91034200	6	THRUST WASHER	
52	91034178	3	PRIMARY PLANETARY GEAR	
53	91034199	3	NEEDLE BEARING	
54	91034173	1	BEARING FLANGE	
55	91014055	1	PIPE PLUG	
56	91034166	3	PLANETARY PIN	
57	91034167	1	PRIMARY SUN GEAR STOPPER	
58	91034195	1	CIRCLIP	
59	91364135	6	HEX HD CAPSCREW, 5/16-18X.88, GR5	
60	91364136	6	LOCKWASHER, 5/16	
61	91364137	1	O-RING	
62	91034180	1	PRIMARY PLANETARY HUB	
63	91034205	1	CIRCLIP	
64	91034172	1	CABLE DRUM	
65	91034175	1	FINAL PLANETARY HUB	
66	91034174	1	FINAL SUN GEAR	
67	91034176	3	PLANETARY PIN	
68	91364138	2	TIE BAR	
69	91364139	8	LOCKWASHER, 7/16	
70	91364140	8	HEX HD CAPSCREW, 7/16-14X1.25, GR5	
71	91364141	1	END HOUSING	

FIGURE 12-21. DUAL P.O. CHECK VALVE

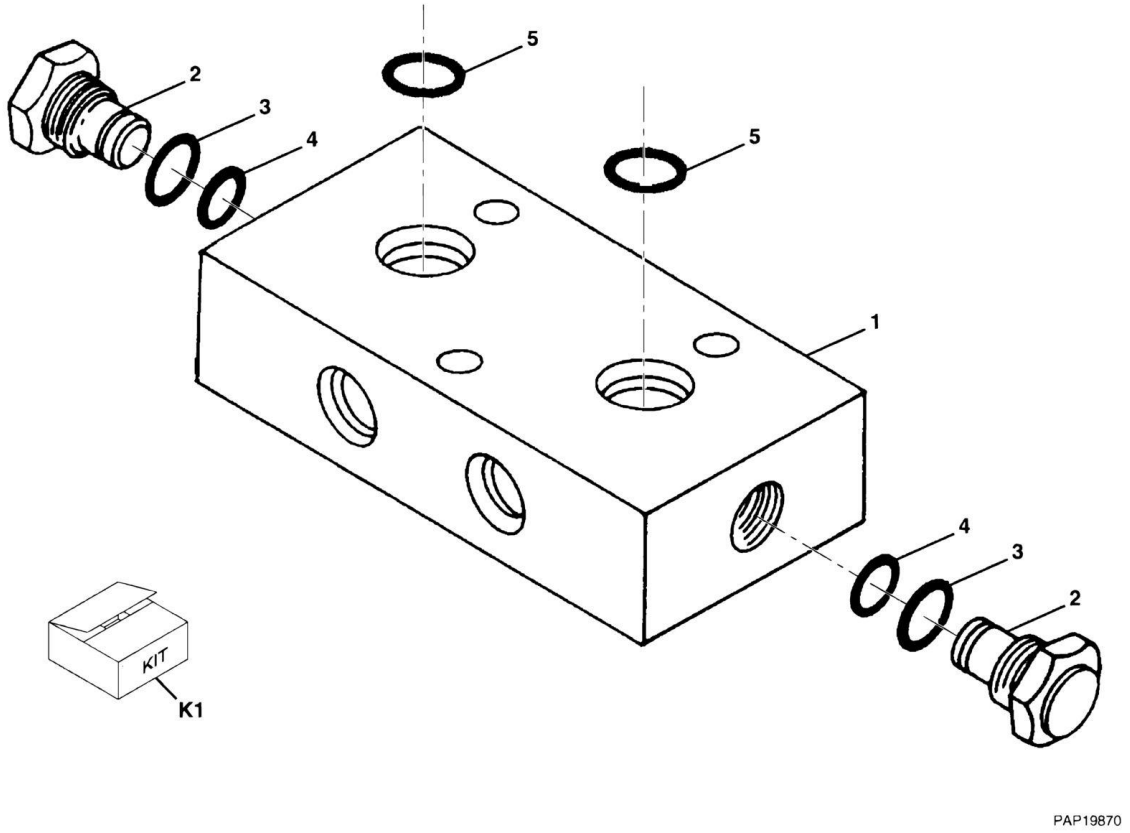


FIGURE 12-21. DUAL P.O. CHECK VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91083262	1	DUAL P.O. CHECK VALVE ASSY, (includes all items)	B
1	N.S.S.	1	BODY	
2	77133248	2	CHECK VALVE	
3	91084227	2	O-RING	
4	91084228	2	O-RING	
5	88591009	2	O-RING	
K1	91044002	Ref	SEAL KIT, (includes items 3 & 4)	

FIGURE 12-22. SWING CYLINDER (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

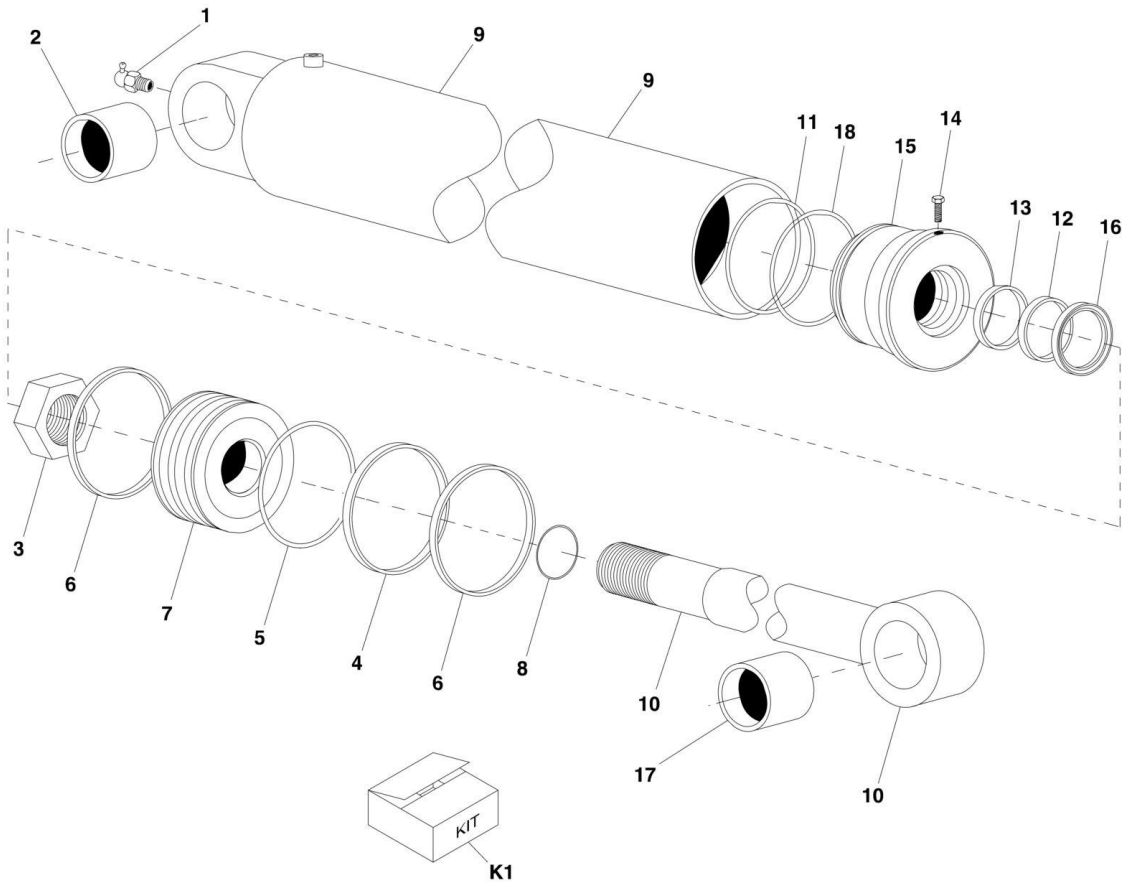


FIGURE 12-22. SWING CYLINDER (534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90453034	1	SWING CYLINDER, (includes all items)	C
1	91144125	1	GREASE FITTING	
2	91034157	1	BUSHING	
3	91144038	1	LOCKNUT	
4	91164020	1	PISTON SEAL	
5	91164021	1	O-RING	
6	91164019	2	WEAR RING	
7	91554034	1	PISTON	
8	91164022	1	O-RING	
9	91034435	1	BARREL	
10	91034436	1	PISTON ROD	
11	91164024	1	BACK-UP RING	
12	91204468	1	U-CUP	
13	91164025	1	STEP SEAL	
14	91124096	1	SELF-TAPPING SCREW	
15	91144040	1	CYLINDER HEAD	
16	91204469	1	WIPER	
17	91124087	1	BUSHING	
18	91034437	1	O-RING	
K1	91144006	1	SEAL KIT, (includes items 4 thru 6, 8, 11 thru 13, 16 & 18)	

FIGURE 12-23. SWING VALVE ASSEMBLY

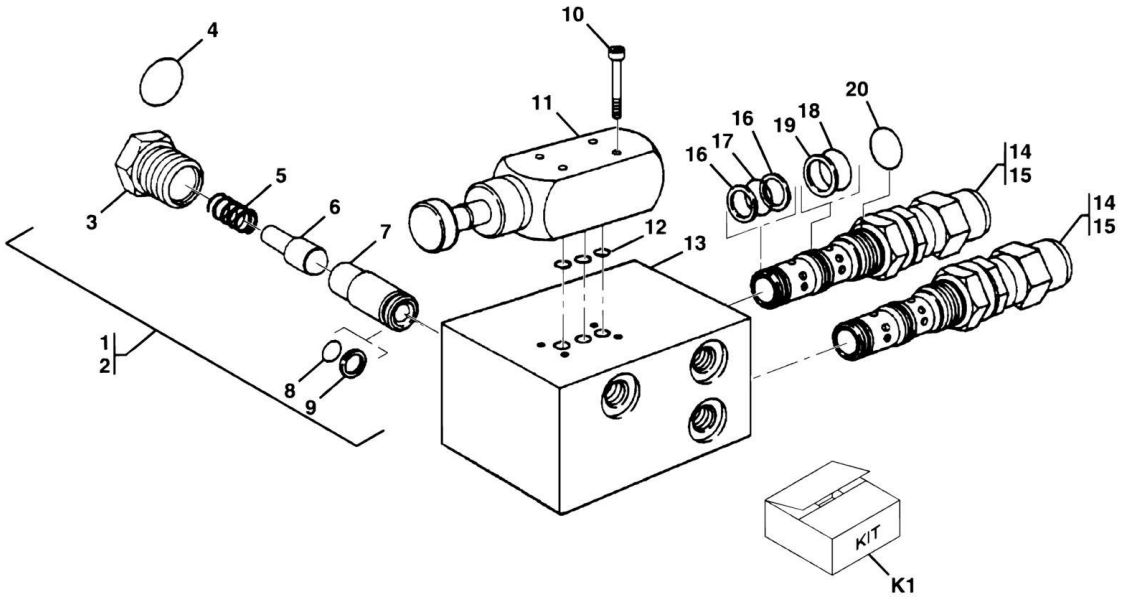


FIGURE 12-23. SWING VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90553023	2	SWING VALVE ASSY, (includes all items)	
1	91044284	1	CHECK VALVE ASSY, (includes items 3 thru 9)	
2	91044002	1	CHECK VALVE SEAL KIT, (includes items 4, 8 & 9)	
3	N.S.S.	1	RETAINER	
4	N.S.S.	1	O-RING	
5	N.S.S.	1	SPRING	
6	N.S.S.	1	BALL AND SPRING GUIDE ASSY	
7	N.S.S.	1	CAGE	
8	N.S.S.	1	O-RING	
9	N.S.S.	1	BACK-UP WASHER	
10	88211034	4	SOCKET HD CAPSCREW, #10-24X1/2, GR8	
11	90553014	1	PILOT VALVE	
12	Kit	3	O-RING	
13	90553015	1	VALVE BODY	
14	91044301	2	COUNTERBALANCE VALVE ASSY, (includes items 16 thru 20)	
15	91044001	2	COUNTERBALANCE VALVE SEAL KIT, (includes items 16 thru 20)	
16	N.S.S.	2	BACK-UP WASHER	
17	N.S.S.	1	O-RING	
18	N.S.S.	1	O-RING	
19	N.S.S.	1	BACK-UP WASHER	
20	N.S.S.	1	O-RING	
K1	91044303	1	SWING VALVE SEAL KIT, (includes items 2, 12 & 15)	

FIGURE 12-24. SWAY CYLINDER

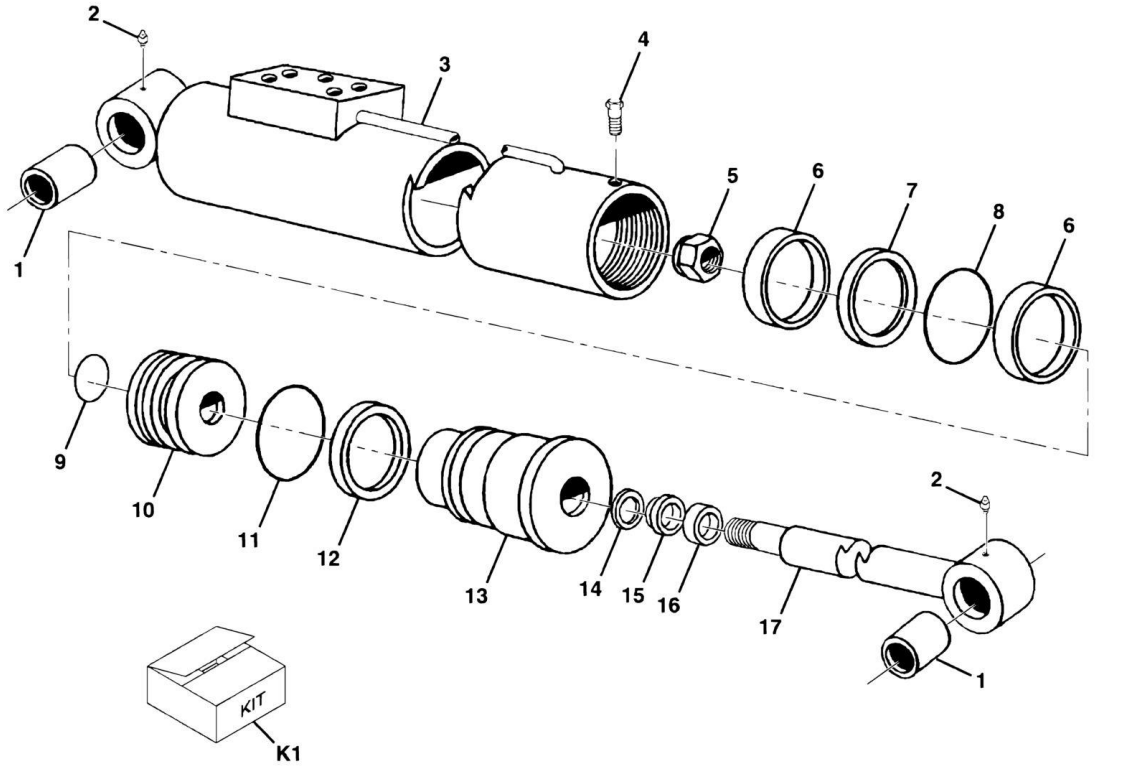


FIGURE 12-24. SWAY CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91083471	1	SWAY CYLINDER ASSY, (includes all items)	D
1	91064016	2	BUSHING	
2	91144128	2	GREASE FITTING	
3	91124083	1	CASE ASSY	
4	91144017	1	CAPSCREW, #8X32X.375	
5	91034156	1	LOCKNUT, (lubricate and torque to 350-400 ft lbs)	
6	Kit	2	WEAR RING	
7	Kit	1	PISTON SEAL	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	91124084	1	PISTON	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91124085	1	CYLINDER HEAD	
14	Kit	1	STEP SEAL	
15	Kit	1	U-CUP	
16	Kit	1	WIPER	
17	91124086	1	ROD ASSY	
K1	91084308	Ref	SEAL KIT, (includes items 6 thru 9, 11, 12 & 14 thru 16)	

FIGURE 12-25. MAIN CONTROL VALVE - 534D-9 (534D-9 Prior to SN 0160027771)

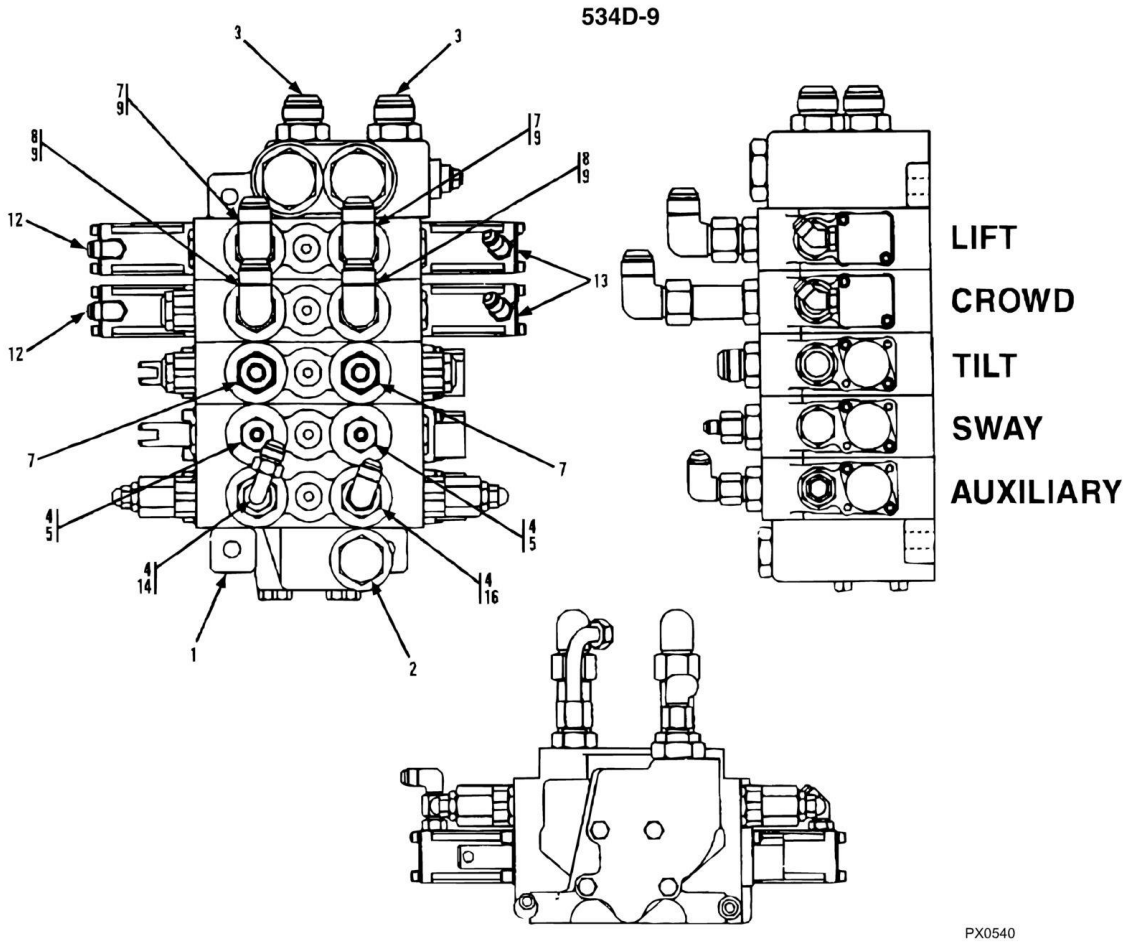


FIGURE 12-25. MAIN CONTROL VALVE - 534D-9 (534D-9 Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145080	1	MAIN CONTROL VALVE ASSY, (includes all items)	G
1		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	2220242	1	HEX HD PLUG, (includes o-ring)	
3	2220379	2	ADAPTER, (includes o-ring)	
4	2220375	4	ADAPTER, (includes o-ring)	
5	2220618	2	ADAPTER, (includes o-ring)	
7	2220451	4	ADAPTER, (includes o-ring)	
8	2220974	2	ADAPTER, (includes o-ring)	
9	2220655	4	ELBOW, 90, (swivel nut)	
12	2220473	2	ELBOW STR THD, 90, (includes o-ring)	
13	2220501	2	ELBOW STR THD, 45, (includes o-ring)	
14	2220471	1	ELBOW, 90, (swivel nut)	
16	8765204	1	ELBOW, 90, (swivel nut)	

FIGURE 12-26. MAIN CONTROL VALVE - 534D-10 (534D-10 Prior to SN 0160027772)

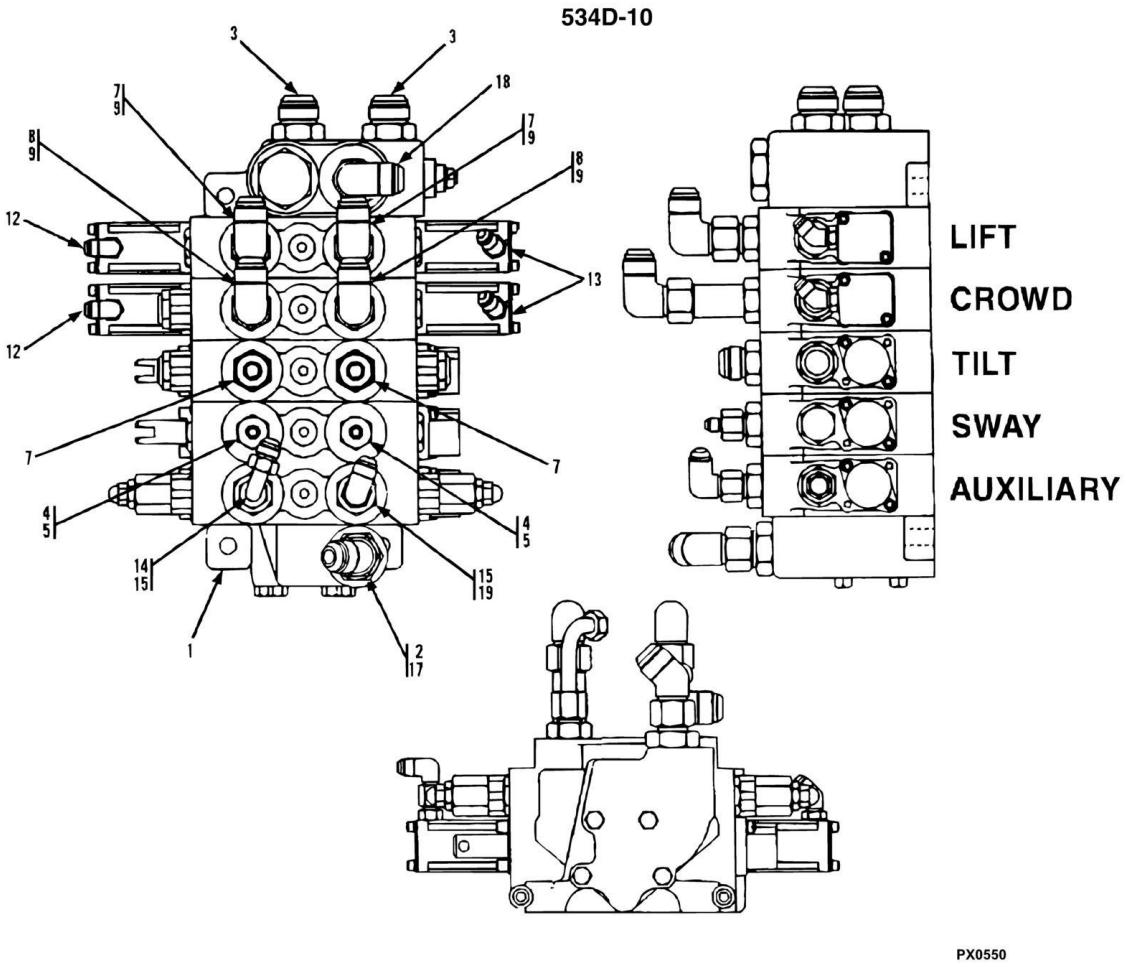
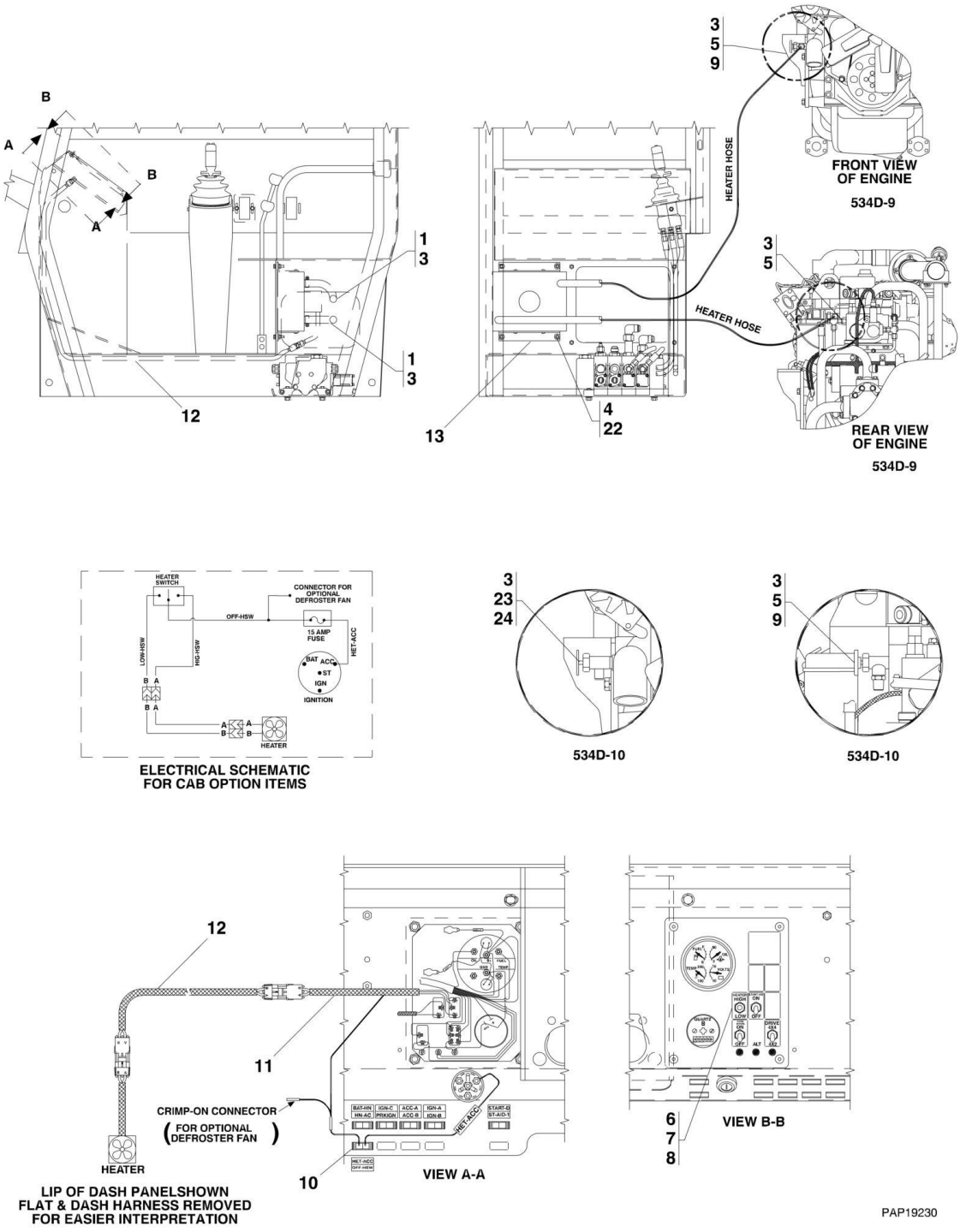


FIGURE 12-26. MAIN CONTROL VALVE - 534D-10 (534D-10 Prior to SN 0160027772)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91155030	1	MAIN CONTROL VALVE ASSY, (includes all items)	H
1		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	2220435	1	ADAPTER, (includes o-ring)	
3	2220379	2	ADAPTER, (includes o-ring)	
4	2220375	2	ADAPTER, (includes o-ring)	
5	2220618	2	ADAPTER, (includes o-ring)	
7	2220451	4	ADAPTER, (includes o-ring)	
8	2220974	2	ADAPTER, (includes o-ring)	
9	2220655	4	ELBOW, 90, (swivel nut)	
12	2220473	1	ELBOW STR THD, 90, (includes o-ring)	
13	2220501	2	ELBOW STR THD, 45, (includes o-ring)	
14	2220471	1	ELBOW, 90, (swivel nut)	
15	2220375	2	CONNECTOR, (includes o-ring)	
17	2220224	1	PIPE PLUG	
18	2220578	1	ELBOW, 90, (includes o-ring)	
19	8765204	1	ELBOW, 90, (swivel nut)	

FIGURE 12-27. CAB HEATER OPTION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)



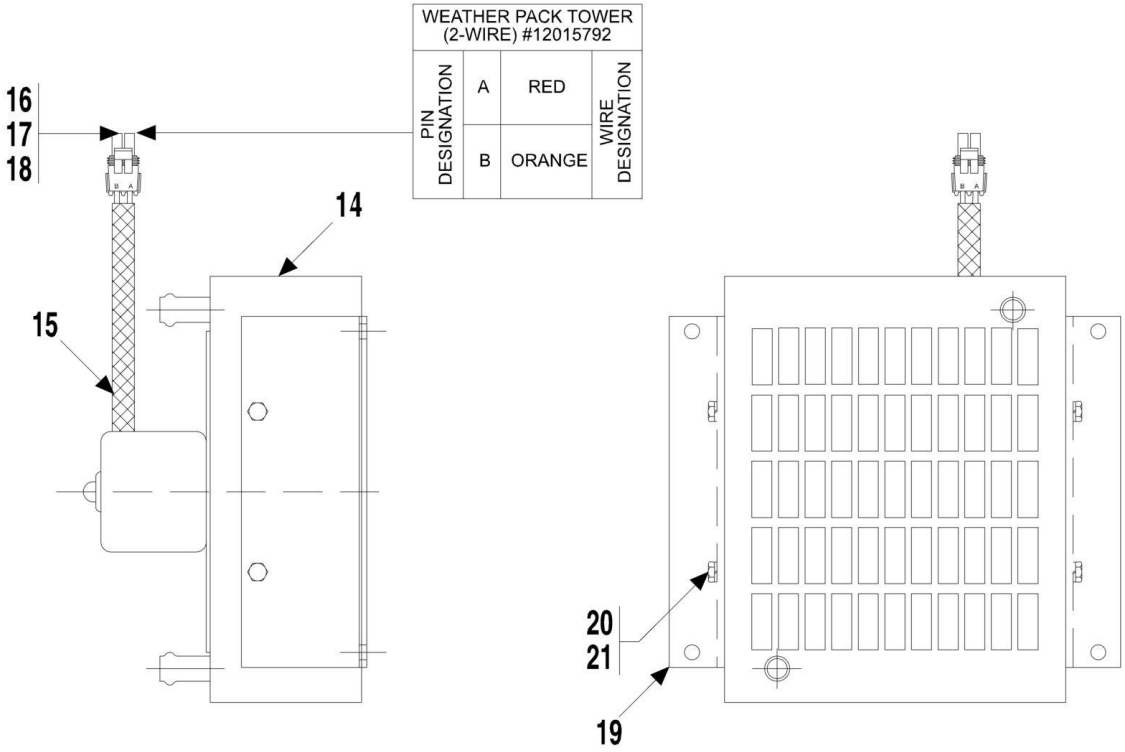
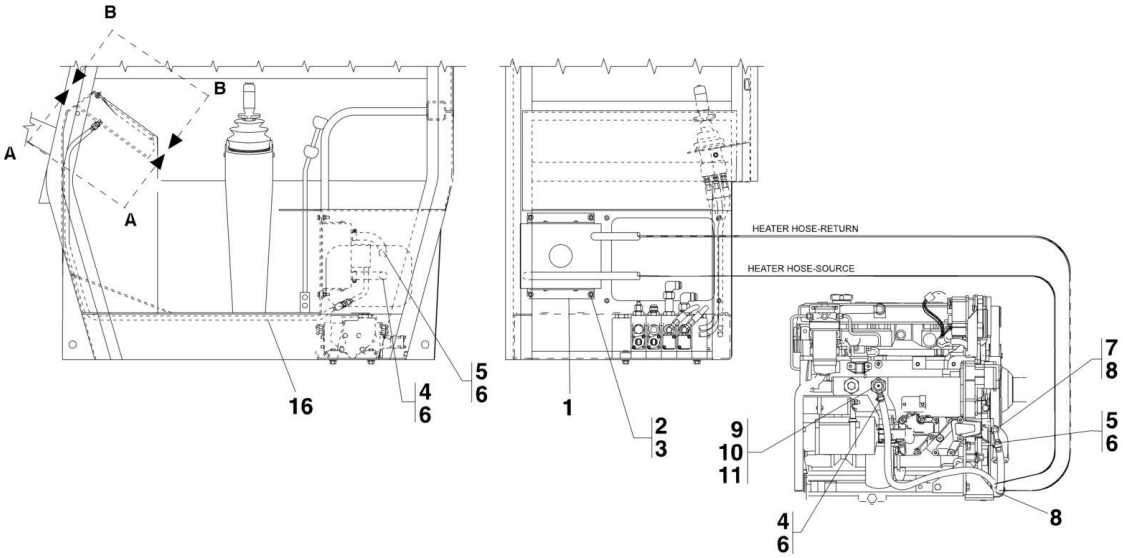

WEATHER PACK TOWER
(2-WIRE) #12015792
PIN DESIGNATION
A
RED
B
ORANGE
WIRE DESIGNATION
16
17
18
14
15
20
21
19

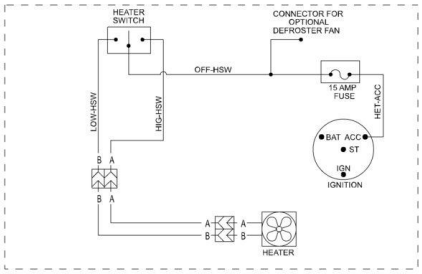
FIGURE 12-27. CAB HEATER OPTION (534D-9 SN 0544001 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0160000974)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365017	1	CAB HEATER OPTION, (includes all items)	G
1	82033995	135 in	HEATER HOSE	
3	86683193	4	HOSE CLAMP	
4	77143006	4	WHIZ-LOCKNUT	
5	91083155	2	TRUCK VALVE	
6	91143361	1	HEATER DECAL	
7	77383470	1	BOOT	
8	77383744	1	TOGGLE SWITCH	
9	77383540	1	COOLANT RESTRICTOR ORIFICE	
10	77363268	1	FUSE,15 AMP	
11	91343040	1	HEATER HARNESS	
12	91123182	1	HEATER HARNESS	
13	91125106	1	HEATER ASSY, (includes items 14 thru 21)	C
14	91043429	1	HEATER	
15	82033996	6 in	FLEX LOOM	
16	80963057	1	TOWER	
17	80963068	2	FEMALE PIN TERMINAL	
18	80963067	2	CABLE SEALS	
19	91031521	2	HEATER MTG. BRACKET	
20	88201003	4	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
21	88551009	4	LOCKWASHER, 1/4	
22	77143004	4	WHIZ-LOCK SCREW	
23	88711383	1	PIPE BUSHING, 1/2X3/8	
24	24641328	1	SHUT OFF VALVE	

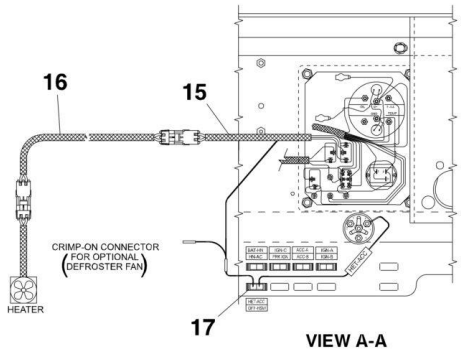
SECTION 12 - OPTIONS

FIGURE 12-28. CAB HEATER OPTION (534D-9 SN 0160001051 through 0160035941, Including 0160000700; 534D-10 SN 0160000978 through 0160035696)

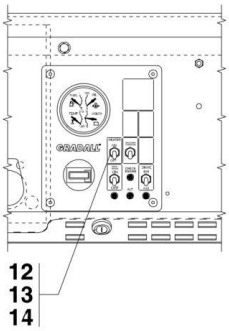




ELECTRICAL SCHEMATIC FOR CAB HEATER OPTION ITEMS



VIEW A-A



VIEW B-B

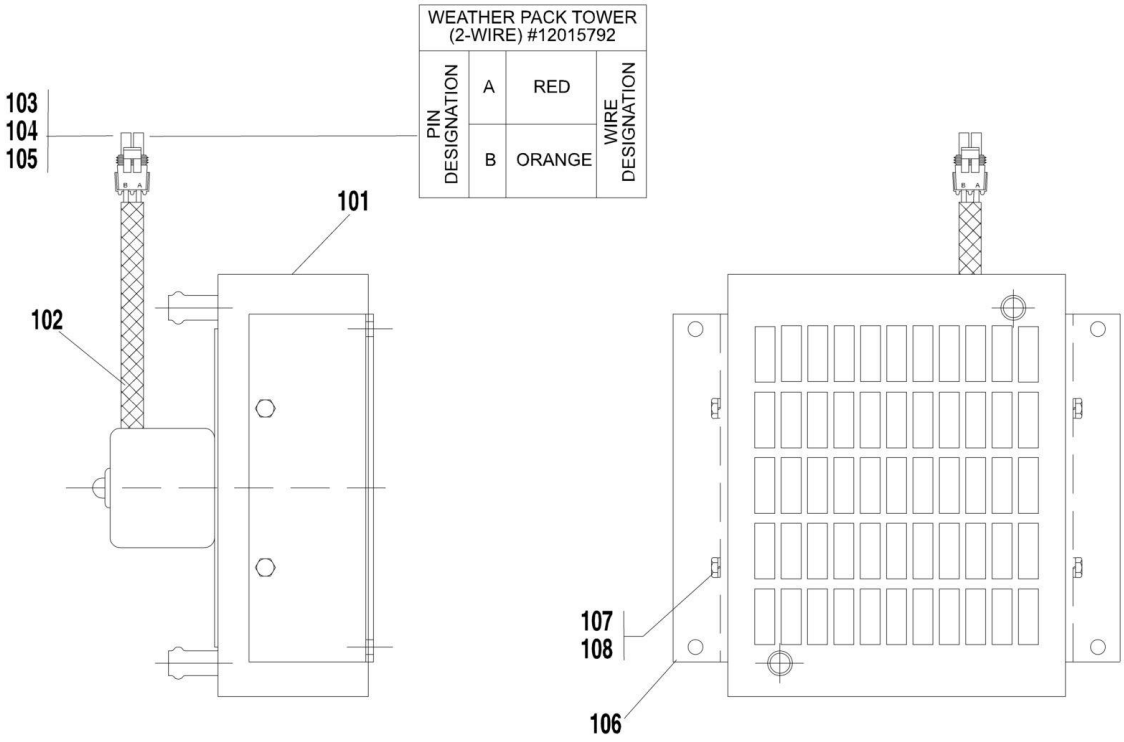
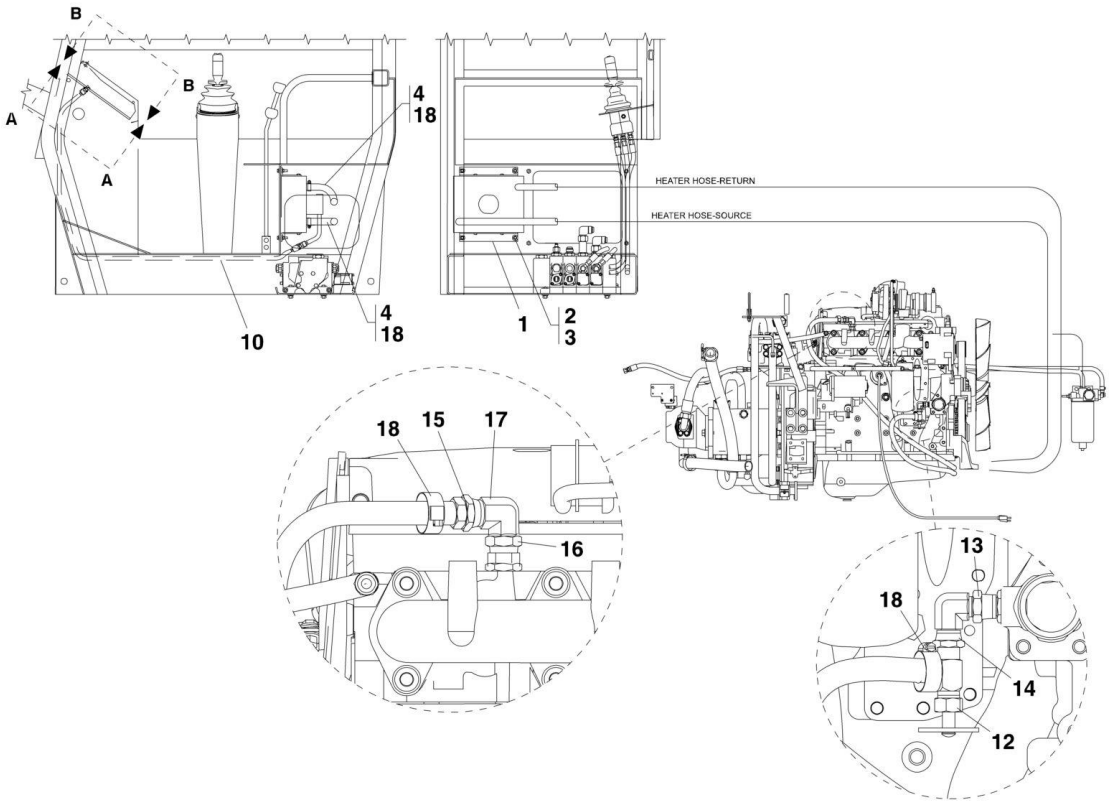
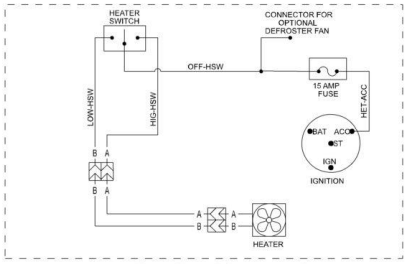

WEATHER PACK TOWER
(2-WIRE) #12015792
PIN DESIGNATION
A
RED
B
ORANGE
WIRE DESIGNATION
103
104
105
101
102
107
108
106

FIGURE 12-28. CAB HEATER OPTION (534D-9 SN 0160001051 through 0160035941, Including 0160000700; 534D-10 SN 0160000978 through 0160035696)

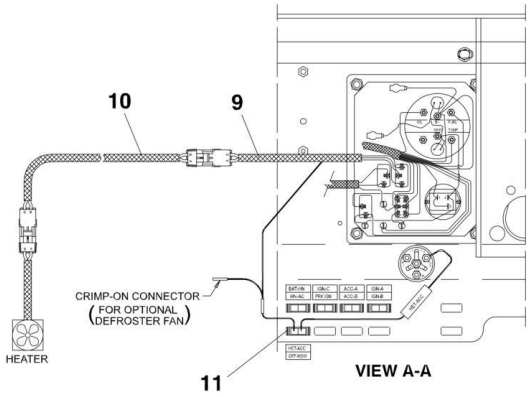
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535013	1	CAB HEATER OPTION, (includes items 1 thru 17)	B
1	91125106	1	HEATER ASSY, (includes items 101 thru 108)	C
2	77143004	4	WHIZ-LOCK SCREW	
3	77143006	4	WHIZ-LOCKNUT	
4	90206169	1	HEATER HOSE	
5	91141459	1	HEATER HOSE	
6	86683193	4	HOSE CLAMP	
7	80683073	1	ADAPTER FITTING	
8	91403443	1	BARBED FITTING, 90	
9	80373046	1	FITTING	
10	77383540	1	COOLANT RESTRICTER ORIFICE	
11	91083155	1	TRUCK VALVE	
12	91143361	1	HEATER DECAL	
13	77383470	1	BOOT	
14	77383744	1	TOGGLE SWITCH	
15	91343040	1	HEATER HARNESS	
16	91123182	1	HEATER HARNESS	
17	77363268	1	FUSE, 15A	
101	91043429	1	HEATER	
102	82033996	6 in	FLEX LOOM	
103	80963057	1	TOWER	
104	80963068	2	FEMALE PIN TERMINAL	
105	80963067	2	CABLE SEALS	
106	91031521	2	HEATER MTG BRACKET	
107	88201003	4	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
108	88551009	4	LOCKWASHER, 1/4	

FIGURE 12-29. CAB HEATER OPTION (534D-9 SN 0160035983 to Present; 534D-10 SN 0160036044 to Present)

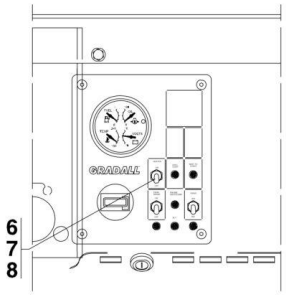




ELECTRICAL SCHEMATIC
FOR CAB HEATER OPTION ITEMS



VIEW A-A



VIEW B-B

PX0990

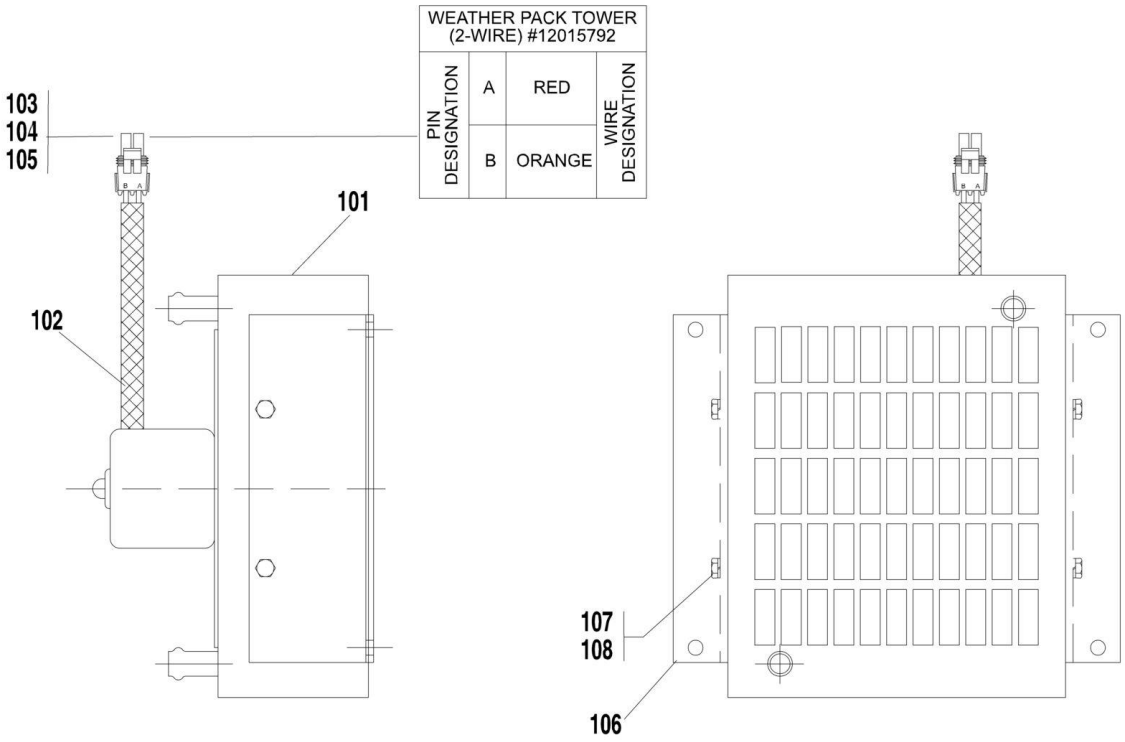

WEATHER PACK TOWER
(2-WIRE) #12015792
PIN DESIGNATION
A
RED
B
ORANGE
WIRE DESIGNATION
103
104
105
101
102
107
108
106

FIGURE 12-29. CAB HEATER OPTION (534D-9 SN 0160035983 to Present; 534D-10 SN 0160036044 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103700	1	CAB HEATER OPTION, (includes items 1 thru 18)	C
1	91125106	1	HEATER ASSY, (includes items 101 thru 108)	C
2	77143004	4	WHIZ-LOCK SCREW	
3	77143006	4	WHIZ-LOCKNUT	
4	90206170	2	HEATER HOSE	
6	91143361	1	HEATER DECAL	
7	77383470	1	BOOT	
8	77383744	1	TOGGLE SWITCH	
9	91343040	1	HEATER HARNESS	
10	91123182	1	HEATER HARNESS	
11	77363268	1	FUSE, 15A	
12	8360005	1	SHUT OFF VALVE	
13	2220008	1	FITTING	
14	2220067	1	FITTING	
15	8430048	1	REDUCER	
16	2220009	1	FITTING	
17	2220070	1	FITTING	
18	8405007	4	CLAMP	
101	91043429	1	HEATER	
102	82033996	6 in	FLEX LOOM	
103	80963057	1	TOWER	
104	80963068	2	FEMALE PIN TERMINAL	
105	80963067	2	CABLE SEALS	
106	91031521	2	HEATER MTG BRACKET	
107	88201003	4	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
108	88551009	4	LOCKWASHER, 1/4	

FIGURE 12-30. LH TILT ASSEMBLY (Prior to SN 0160027771)

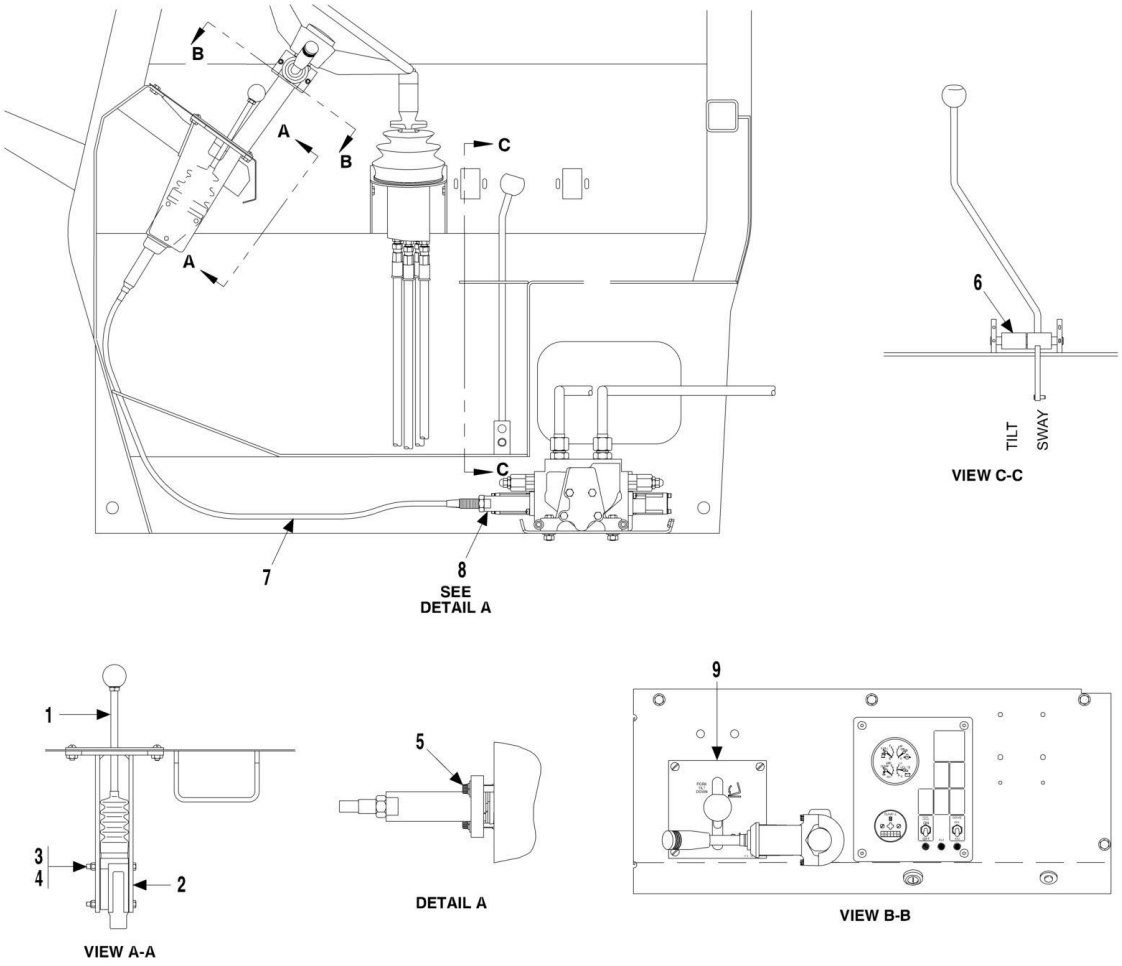


FIGURE 12-30. LH TILT ASSEMBLY (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365001	1	LH TILT ASSY, (includes all items)	
1	91303019	1	REMOTE VALVE CONTROL	
2	91366007	1	LEVER BRACKET	
3	88201012	3	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	
4	88521304	3	HEX LOCKNUT, 1/4-20	
5	88211044	2	SOCKET HD CAPSCREW, 1/4-20X1-1/2, GR8	
6	91301020	1	SPACER	
7	91363043	1	CONTROL CABLE	
8	91123062	1	CABLE ADAPTER BONNET	
9	91363040	1	TILT GUIDE PLATE	

FIGURE 12-31. LH TILT/SWAY ASSEMBLY (Prior to SN 0160027771)

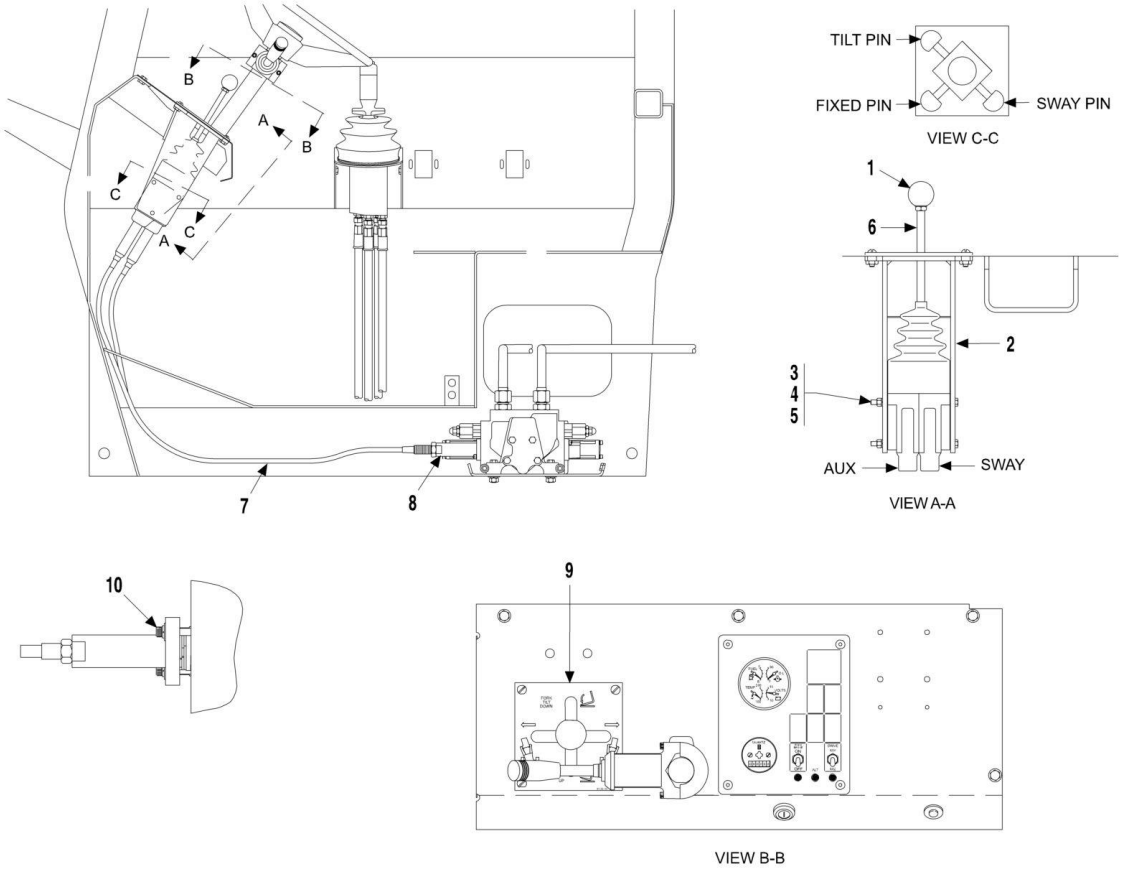
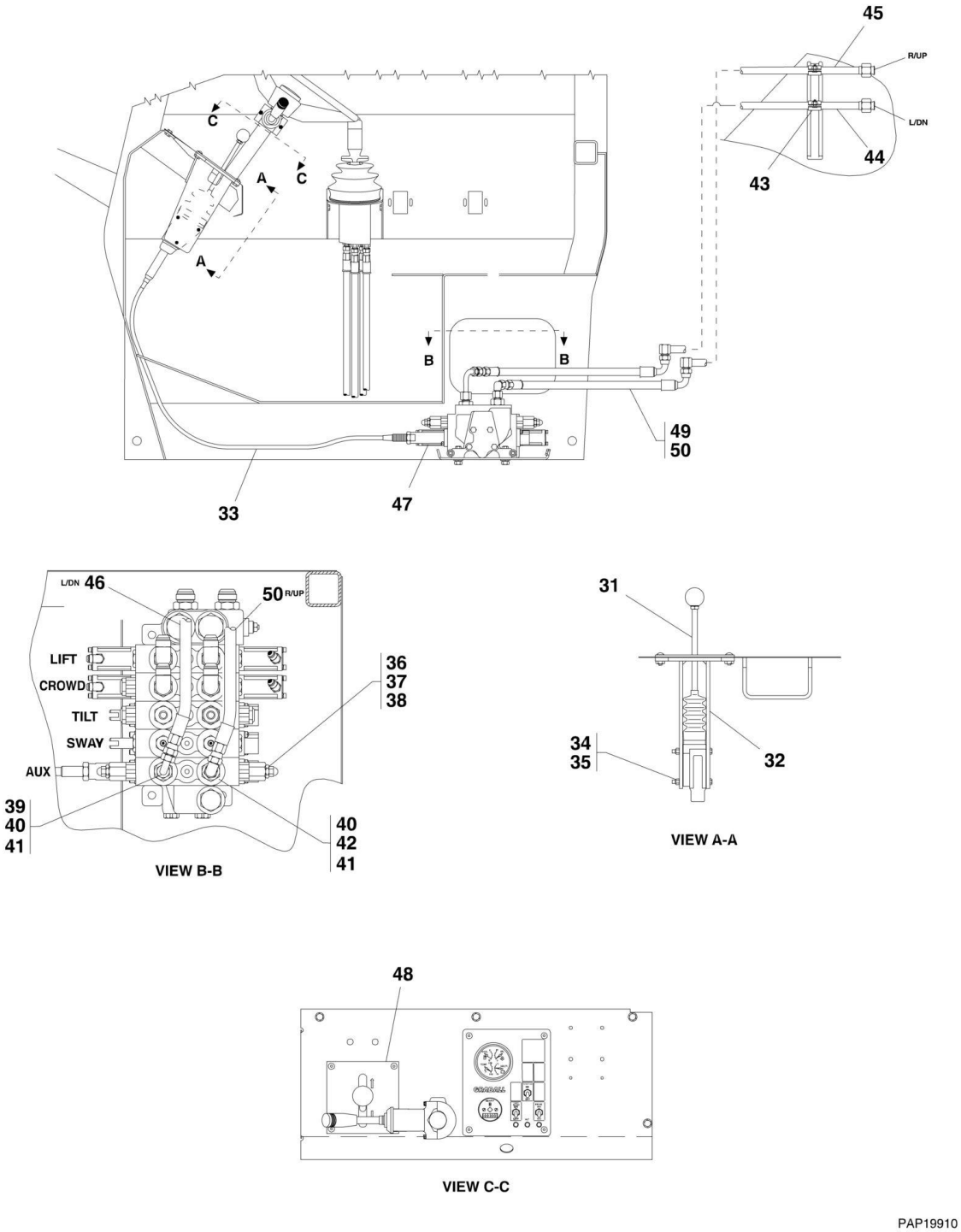
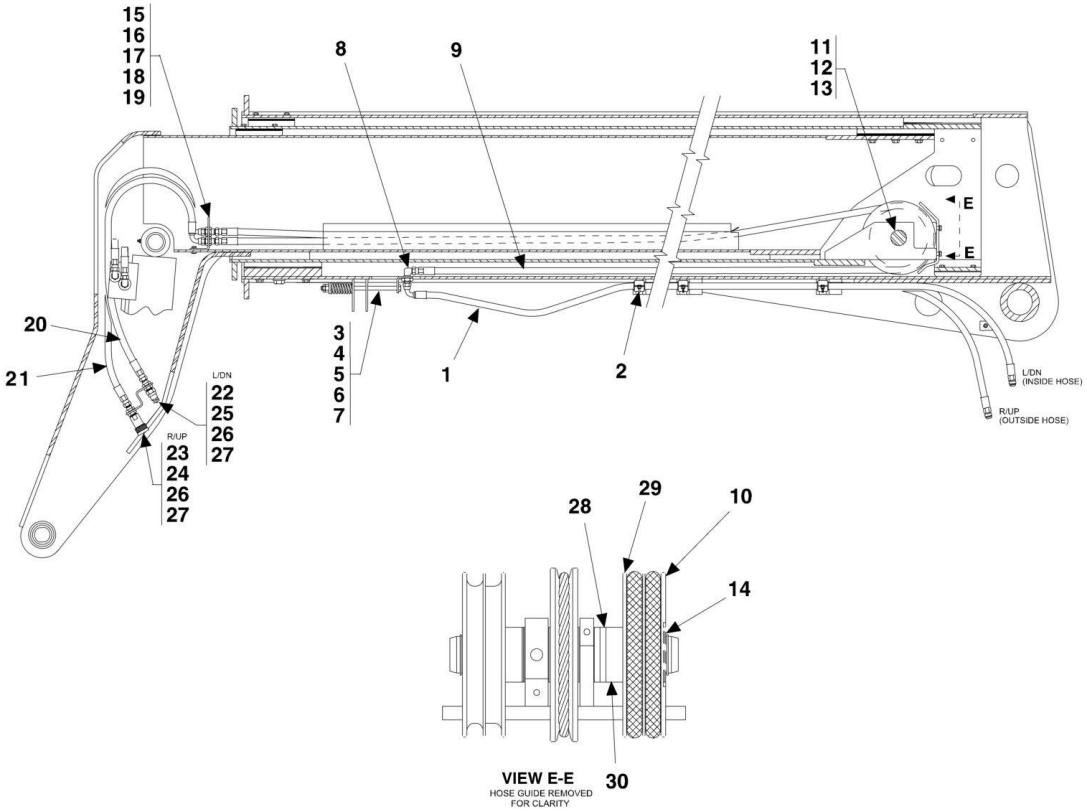


FIGURE 12-31. LH TILT/SWAY ASSEMBLY (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365002	1	LH TILT/SWAY ASSY, (includes all items)	F
1	91335013	1	REMOTE VALVE CONTROL ASSY, (includes items 2 thru 7)	B
2	91366008	1	LEVER BRACKET	
3	11002410	3	HEX HD CAPSCREW, 1/4-28X4-1/2	
4	88501404	3	HEX JAM NUT, 1/4-28	
5	88551009	3	LOCKWASHER, 1/4	
6	91083107	1	REMOTE VALVE CONTROL	
6	91084282	1	KNOB	
6	91084359	1	BOOT	
7	91363043	2	CONTROL CABLE	
8	91123062	2	CABLE ADAPTER BONNET	
9	91363041	1	TILT/SWAY GUIDE PLATE	
10	88211044	4	SOC HD CAPSCREW, 1/4-20X1-1/2, GR8	

FIGURE 12-32. AUXILIARY HYDRAULICS FIELD KIT - 534D-10 45 FT BOOM (534D-10 Prior to SN 0160027772)





NOTE:

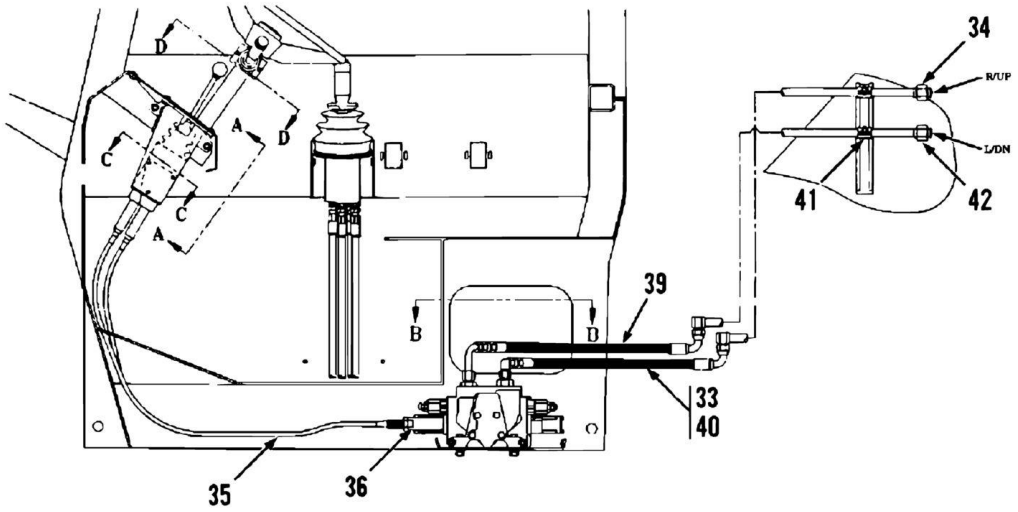
ALL 534D-10 MACHINES AFTER SN 0366088 MUST USE THIS AUX HYDRAULIC FIELD KIT.

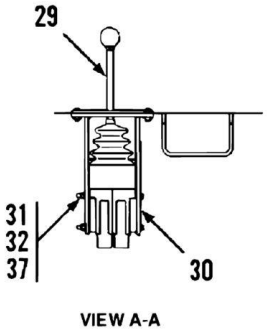
FIGURE 12-32. AUXILIARY HYDRAULICS FIELD KIT - 534D-10 45 FT BOOM (534D-10 Prior to SN 0160027772)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355011	1	AUX HYDRAULICS FIELD KIT, (includes all items)	E
	91345010	1	REMOTE VALVE CONTROL ASSY, (includes items 31 thru 35)	
1	84719075	2	HOSE ASSY	
2	90207463	6	CUSHION CLAMP	
3	91166068	2	HOSE TAKE UP WELD	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2-13	
7	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
8	90027180	2	90, BULKHEAD FITTING	
9	84721049	2	HOSE ASSY	
10	91343223	1	HOSE SHEAVE	
11	91141144	1	RETRACT SHEAVE PIN	
12	14404793	AR	UNION 76 MEGAPLEX GREASE	
13	88581149	1	EXTERNAL RETAINING RING	
14	91041449	2	THRUST WASHER	
15	91141210	1	BULKHEAD BRACKET	
16	88661085	2	BULKHEAD UNION, 3/4-16X1/2 TUBE	
17	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
18	88551010	2	LOCKWASHER, 5/16	
19	88501005	2	HEX NUT, 5/16-18	
20	84718385	1	HOSE ASSY	
21	84718557	1	HOSE ASSY	
22	91163138	1	MALE HYDRAULIC COUPLER	
23	91163139	1	FEMALE HYDRAULIC COUPLER	
24	91043125	1	DUST PLUG	
25	91043126	1	DUST CAP	
26	91043321	2	STR BULKHEAD FITTING	
27	88712304	2	PIPE BUSHING	
28	91551037	2	SPACER	
29	91343224	1	HOSE SHEAVE	
30	91343215	1	SPACER	
31	91303019	1	REMOTE VALVE CONTROL	
32	91366007	1	LEVER BRACKET	
33	91363043	1	CONTROL CABLE	
34	88201012	3	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	
35	88521304	3	HEX LOCKNUT, 1/4-20	
36	91144194	2	VALVE SECTION ASSY	
37	91034070	1	STUD KIT	
38	91144254	1	SEAL KIT	
39	2220471	1	LONG ELBOW, 90, (swivel nut)	
40	2220375	2	CONNECTOR, (includes item 41)	
41	88591207	2	O-RING	
42	88662106	1	ELBOW, 90, (swivel nut)	
43	90207463	2	CUSHION CLAMP	
44	91163096	1	TUBE ASSY	
45	91163097	1	TUBE ASSY	
46	84718686	1	HOSE ASSY	
47	91123062	1	CABLE ADAPTER BONNET	

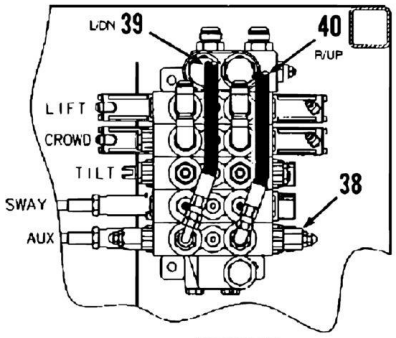
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	91363045	1	GUDE PLATE	
49	90027187	5	NYLON TIE	
50	84718685	1	HOSE ASSY	

FIGURE 12-33. AUXILIARY HYDRAULICS AND SWAY ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)

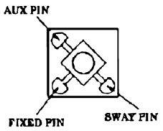




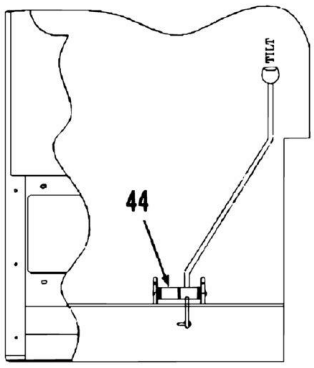
VIEW A-A



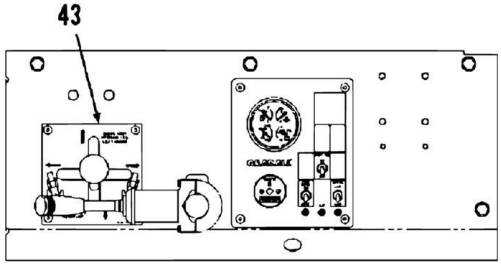
VIEW B-B



VIEW C-C



REAR VIEW OF CAB



VIEW D-D

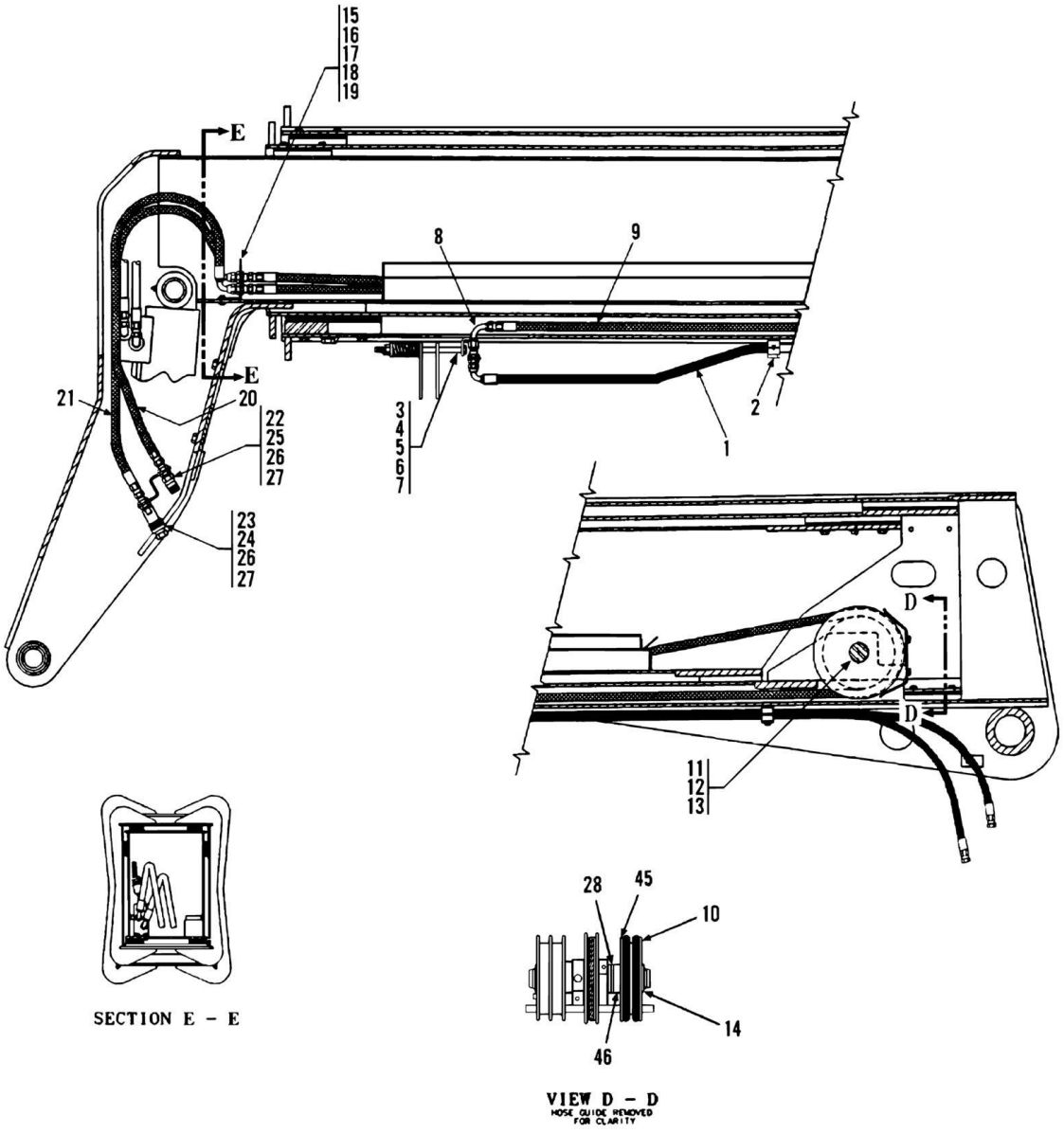
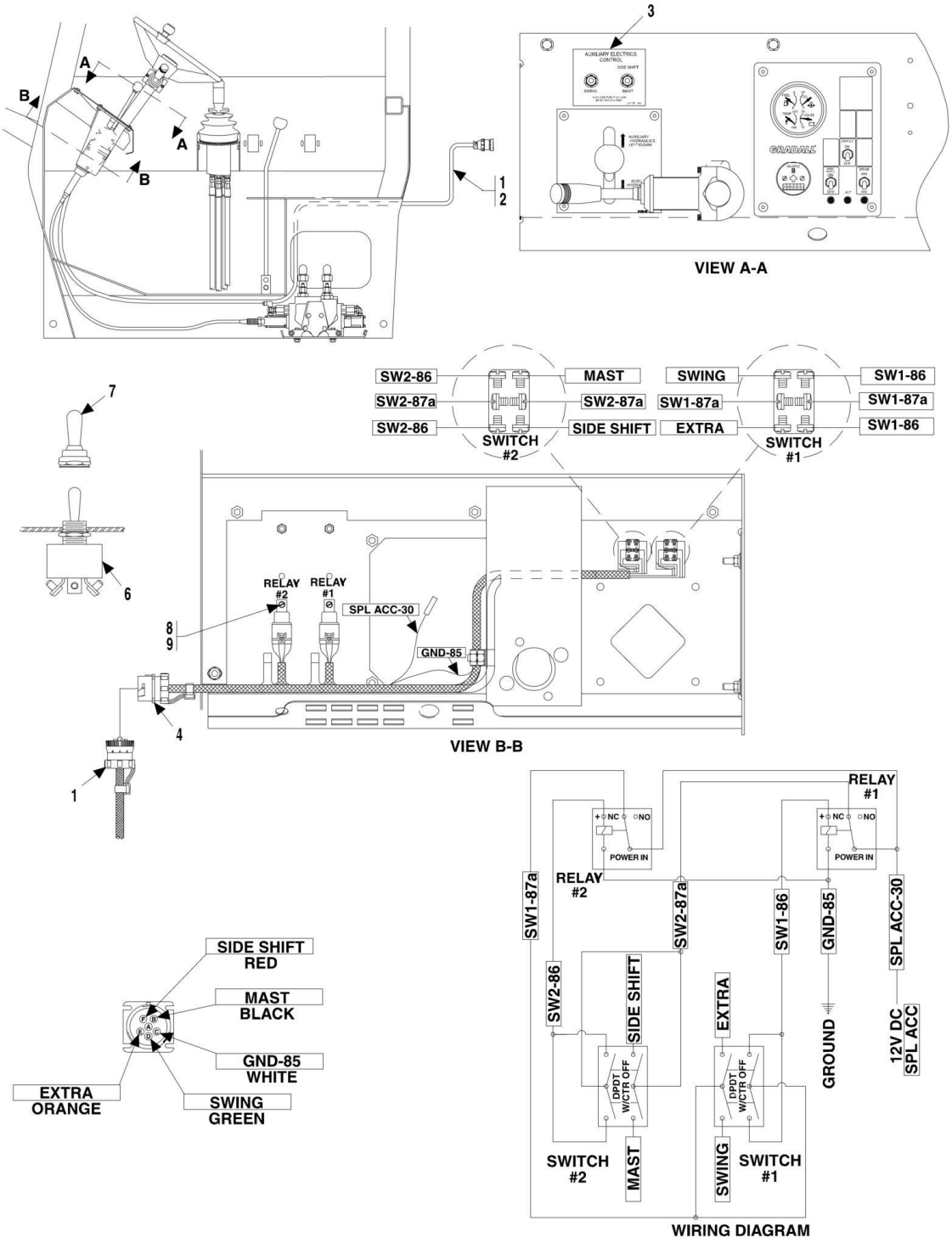

15
16
17
18
19
E
8
9
E
21
20
22
25
26
27
3
4
5
6
7
2
1
23
24
26
27
D
D
11
12
13
28
45
10
14
46
SECTION E - E
VIEW D - D
HOSE GUIDE REMOVED FOR CLARITY

FIGURE 12-33. AUXILIARY HYDRAULICS AND SWAY ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345034	1	AUX HYDRAULICS AND SWAY ASSY, (includes all items), (534D-9), (45 ft Boom)	D
	91355008	1	AUX HYDRAULICS AND SWAY ASSY, (includes all items), (534D-10), (45 ft Boom)	G
1	84719075	2	HOSE ASSY	
2	90207463	6	CUSHION CLAMP	
3	91166068	2	HOSE TAKE-UP WELD	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2-13	
7	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
8	90027180	2	BULKHEAD FITTING, 90	
9	84721049	2	HOSE ASSY	
10	91343213	1	HOSE SHEAVE	
11	91141144	1	RETRACT SHEAVE PIN	
12	14404793	AR	UNION 76 MEGAPLEX GREASE	
13	88581149	1	EXTERNAL RETAINING RING	
14	91041449	1	THRUST WASHER	
15	91141210	1	BULKHEAD FITTING	
16	90027176	2	STR THD BULKHEAD FITTING	
17	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
18	88551010	2	LOCKWASHER, 5/16	
19	88501005	2	HEX NUT, 5/16-18	
20	84718385	1	HOSE ASSY	
21	84718557	1	HOSE ASSY	
22	91163138	1	MALE HYDRAULIC COUPLER	
23	91163139	1	FEMALE HYDRAULIC COUPLER	
24	91043125	1	DUST PLUG	
25	91043126	1	DUST CAP	
26	91043321	2	STR BULKHEAD FITTING	
27	88712304	2	REDUCING BUSHING	
28	91551037	2	SPACER	
29	91083107	1	REMOTE VALVE CONTROL	
29	91084282	1	KNOB	
29	91084359	1	BOOT	
30	91366008	1	LEVER BRACKET	
31	11002410	3	HEX HD CAPSCREW, 1/4-28X4-1/2	
32	88501404	3	HEX NUT, 1/4-28	
33	90027187	5	NYLON TIE	
34	91163097	1	TUBE ASSY	
35	91363043	2	CONTROL CABLE	
36	91123062	2	CABLE ADAPTER BONNET	
37	88551009	3	LOCKWASHER, 1/4	
38		Ref	MAIN CONTROL VALVE, (See MAIN CONTROL VALVE for Breakdown)	
39	84718686	1	HOSE ASSY	
40	84718685	1	HOSE ASSY	
41	90207463	2	CUSHION CLAMP	
42	91163096	1	TUBE ASSY	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	91363044	1	GUIDE PLATE	
44	91301020	1	SPACER	
45	91343212	1	HOSE SHEAVE	
46	91343215	1	SPACER	

FIGURE 12-34. AUX HYDRAULIC W/ELECTRICS ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)



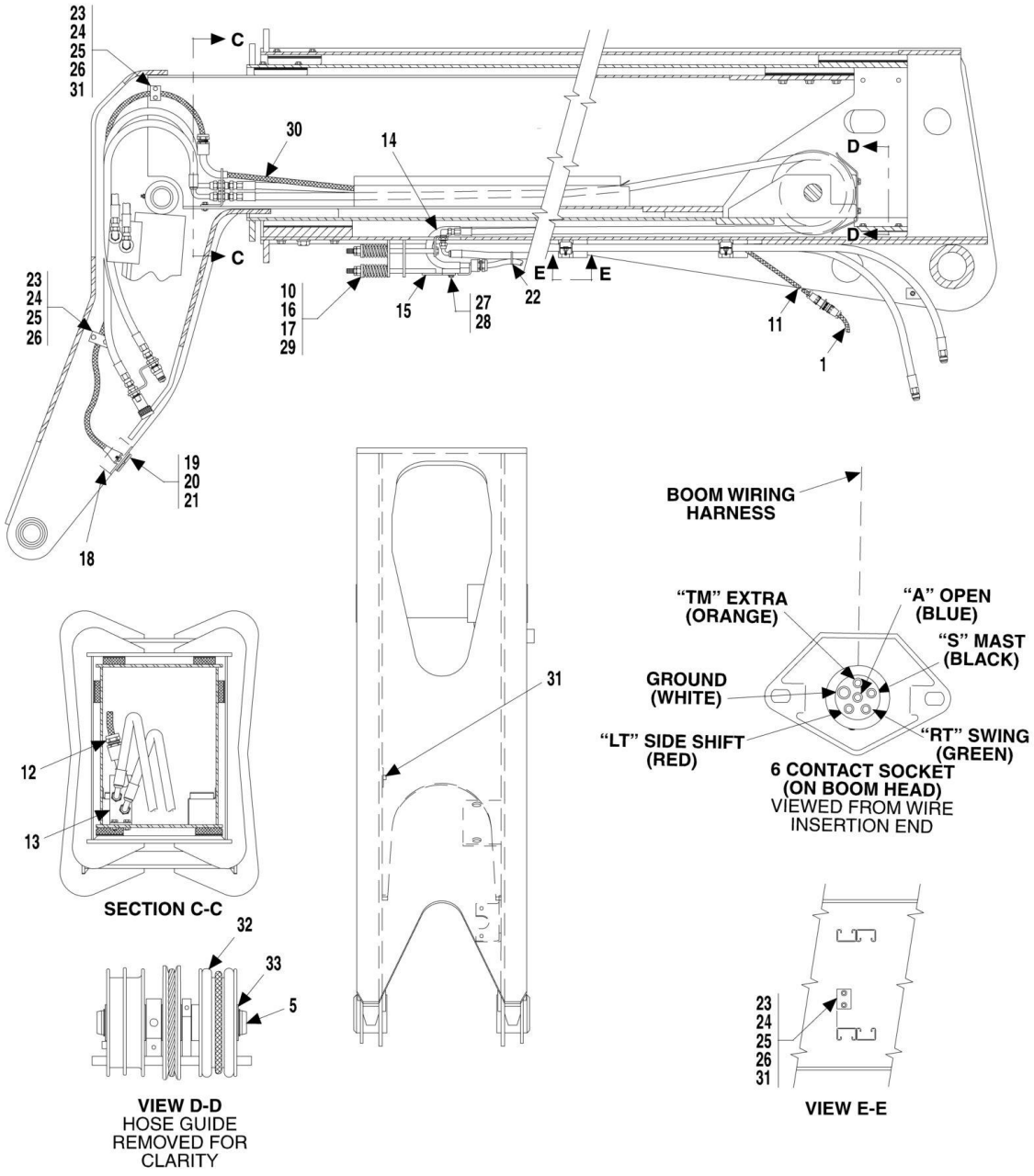

23
24
25
26
31
C
30
14
D
D
C
23
24
25
26
10
16
17
29
15
27
28
E
22
E
11
1
19
20
21
18
31
BOOM WIRING HARNESS
"TM" EXTRA (ORANGE)
"A" OPEN (BLUE)
"S" MAST (BLACK)
GROUND (WHITE)
"LT" SIDE SHIFT (RED)
"RT" SWING (GREEN)
6 CONTACT SOCKET (ON BOOM HEAD)
VIEWED FROM WIRE INSERTION END
12
13
SECTION C-C
32
33
5
VIEW D-D
HOSE GUIDE REMOVED FOR CLARITY
23
24
25
26
31
VIEW E-E

FIGURE 12-34. AUX HYDRAULIC W/ELECTRICS ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	AUX HYD W/ELECTRONICS ASSY, (includes all items)	G
1	91143105	1	AUX WIRING HARNESS	
2	90027187	14	NYLON TIE	
3	91123155	1	DECAL	
4	91123154	1	AUX DASH HARNESS	
5	14404793	AR	UNION 76 MEGAPLEX GREASE	
6	77163204	2	SWITCH-DPDT	
7	77383470	2	SWITCH BOOT	
8	88301088	2	RD HD MACHINE SCREW, #10-24X3/8	
9	88561105	2	FLAT WASHER, #10	
10	88501108	1	JAM NUT, 1/2-13	
11	91353028	1	AUX BOOM HARNESS	
12	91143141	1	CORD CONNECTOR	
13	91346011	1	BRACKET WELD	
14	91366015	1	CABLE TAKE UP WELDMENT	
15	91126032	1	CABLE TAKE UP SUPPORT	
16	91123054	1	COMPRESSION SPRING	
17	91121134	1	SPRING RETAINER	
18	91121283	1	RECEPTICAL BRACKET	
19	90207661	1	6 CONTACT SOCKET	
20	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
21	88521304	2	LOCK NUT, 1/4-20	
22	90027187	8	NYLON TIE	
23	91203039	5	CLAMP SUPPORT	
24	88561107	5	FLAT WASHER, 1/4	
25	88551009	5	LOCKWASHER, 1/4	
26	88501004	5	HEX NUT, 1/4-20	
27	88201017	2	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
28	88551010	2	LOCKWASHER, 5/16	
29	88501008	1	HEX NUT, 1/2-13	
30	84721049	1	HOSE ASSY	
31	85611274	5	WELD STUD, 1/4-20X3/4	
32	91343225	1	HOSE SHEAVE	
33	91041449	2	THRUST WASHER	

FIGURE 12-35. REAR AXLE ADVANTAGE KIT (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

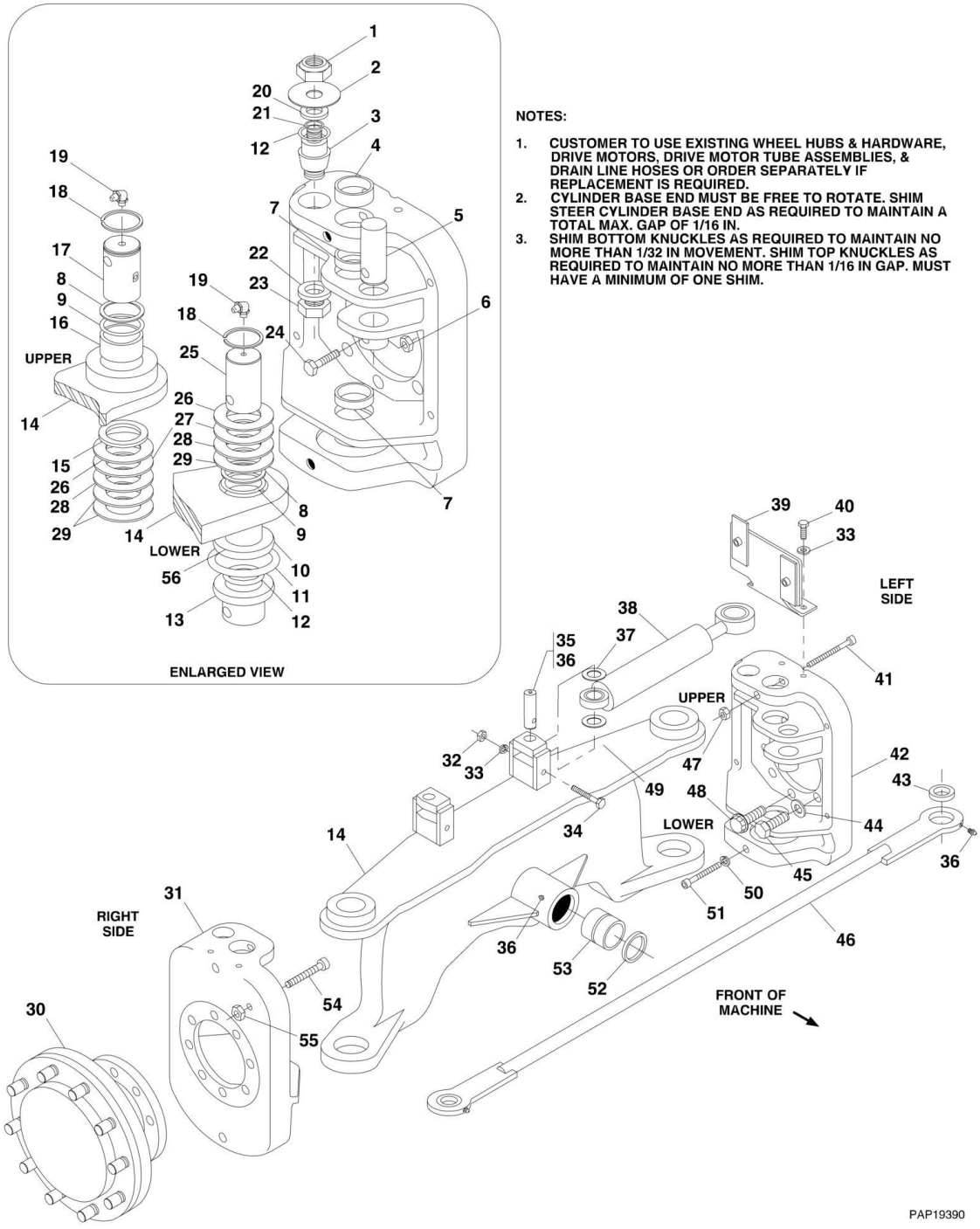


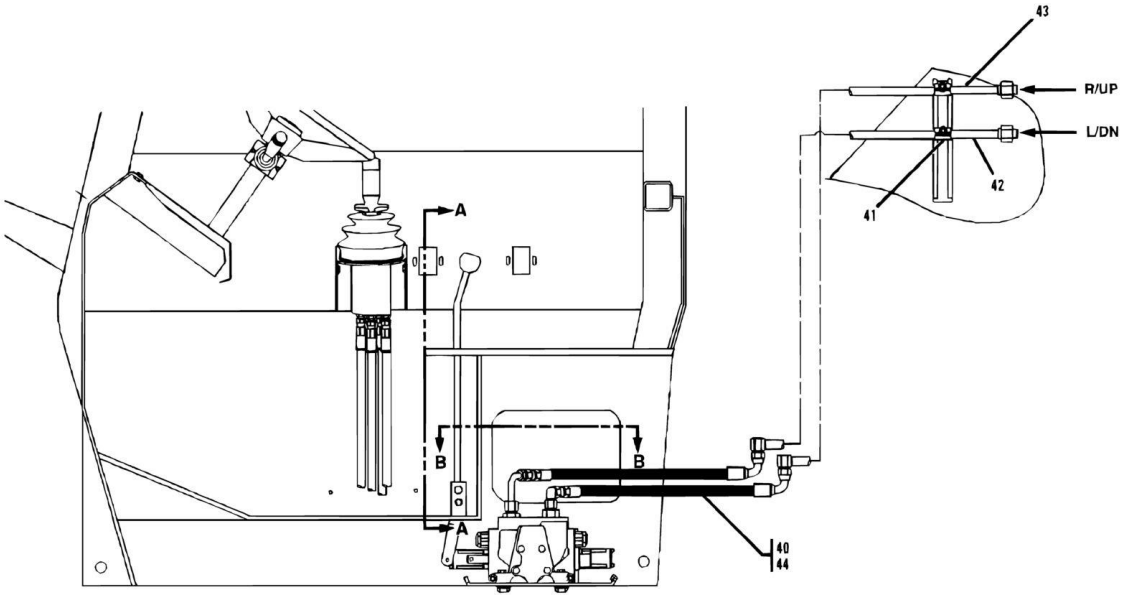
FIGURE 12-35. REAR AXLE ADVANTAGE KIT (534D-9 SN 0544001 through 0160000446; 534D-10 SN 0366001 through 0160000446)

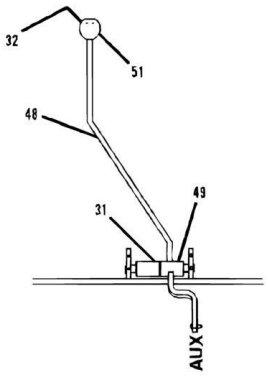
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145042	Ref	REAR AXLE ADVANTAGE KIT, (includes all items except 30, 44, 45 & 48)	E
1	88521312	2	HEX LOCKNUT, 3/4-10, (torque to 60-175 ft lbs)	
2	91081415	2	DIRT SHIELD	
3	91041481	2	STEERING CYLINDER PIN, (knuckle end)	
4	91121239	2	BUSHING	
5	91041439	2	TIE ROD PIN	
6	88521306	2	LOCKNUT, 3/8-16	
7	91121240	4	BUSHING	
8	91123030	4	BACK-UP RING	
9	88591032	4	O-RING	
10	91123027	2	BUSHING, (lower)	
11	91123029	2	O-RING	
12	88591104	4	O-RING	
13	91121091	2	THRUST BUSHING	
14	91166012	1	REAR AXLE WELDMENT, (includes items 10, 16 & 53)	
15	86921268	2	LIP SEAL	
16	91123028	2	BUSHING, (upper)	
17	91081693	2	UPPER KING PIN	
18	88581323	4	RETAINING RING	
19	88671022	4	LUBE FITTING, 90, 1/8	
20	91041732	AR	SPACER	
21	88591019	2	O-RING	
22	91041459	2	WASHER	
23	88501416	2	HEX JAM NUT, 1-14, (torque to 225-250 ft lbs)	
24	83201140	2	HEX HD CAPSCREW, 3/8-16X2-3/4, GR8	
25	91141424	2	LOWER KING PIN	
26	91041596	AR	SHIM, (20 gauge, see note #3)	
27	91041449	AR	SHIM, (.060 thick, see note #3)	
28	91041450	AR	SHIM, (.0478 thick, see note #3)	
29	91041451	AR	SHIM, (.106 thick, see note #3)	
30		Ref	DRIVE HUB, (use existing hubs, See FRAME AND ATTACHING PARTS SECTION for Breakdown)	
31	91120004	1	RH STEERING KNUCKLE	
32	88501006	2	HEX NUT, 3/8-16	
33	88551011	6	LOCKWASHER, 3/8	
34	83201144	2	HEX HD CAPSCREW, 3/8-16X5-3/4, GR5	
35	91081695	2	STEERING CYLINDER PIVOT PIN, (axle end)	
36	88671001	6	STRAIGHT LUBE FITTING, 1/8	
37	91403066	AR	KING PIN SHIM, (.060 thick, see note #2)	
38		Ref	STEERING CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
39	91166056	1	LH TUBE SUPPORT	
39	91166055	1	RH TUBE SUPPORT	
40	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
41	88211121	2	SOCKET HD CAPSCREW, 1/2-13X6-1/2, GR8	
42	91120003	1	LH STEERING KNUCKLE	
43	91043247	2	SELF-ALIGNING BUSHING	
44		Ref	HARDENED WASHER, 3/4, (use existing hardware, See FRAME AND ATTACHING PARTS SECTION for Breakdown)	

SECTION 12 - OPTIONS

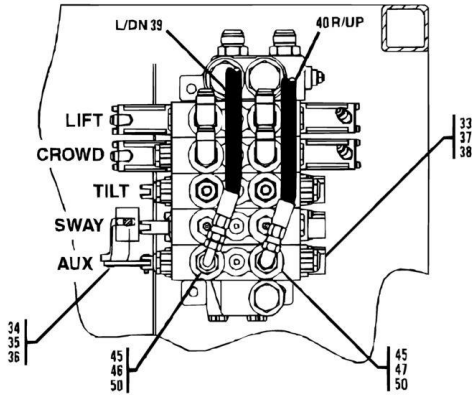
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45		Ref	HEX HD CAPSCREW, 3/4-10X2, (use existing hardware, See FRAME AND ATTACHING PARTS SECTION for Breakdown)	
46	91166063	1	TIE ROD, (includes item 43)	
47	88521208	2	HEX LOCKNUT, 1/2	
48		Ref	CAPSCREW, 12 PT, 3/4-10X2, GR8, (use existing hardware, See FRAME AND ATTACHING PARTS SECTION for Breakdown)	
49	90201918	AR	SHIM, (10 gauge, see note #2)	
50	88551153	2	LOCKWASHER, 5/8	
51	88212321	2	SLOT HD CAPSCREW, 5/8-11X3-3/4, GR8	
52	24601570	2	LIP SEAL	
53	91123031	2	BUSHING	
54	88212321	2	SOCKET HD CAPSCREW, 5/8-11X3-3/4, GR8	
55	88501110	2	HEAVY HEX JAM NUT, 5/8-11	
56	91041733	AR	SHIM	

FIGURE 12-36. AUXILIARY HYDRAULICS FIELD KIT - 40 FT BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089)





VIEW A - A



VIEW B - B

NOTE:
THIS OPTION MUST BE USED IN CONJUNCTION WITH (1) OF THE FOLLOWING (3) COMBINATIONS OF TILT & SWAY:

- **LH TILT/SWAY**
- **LH SWAY & TILT ON JOYSTICK**
- **RH TILT (STD) & LH SWAY**

PAP19920

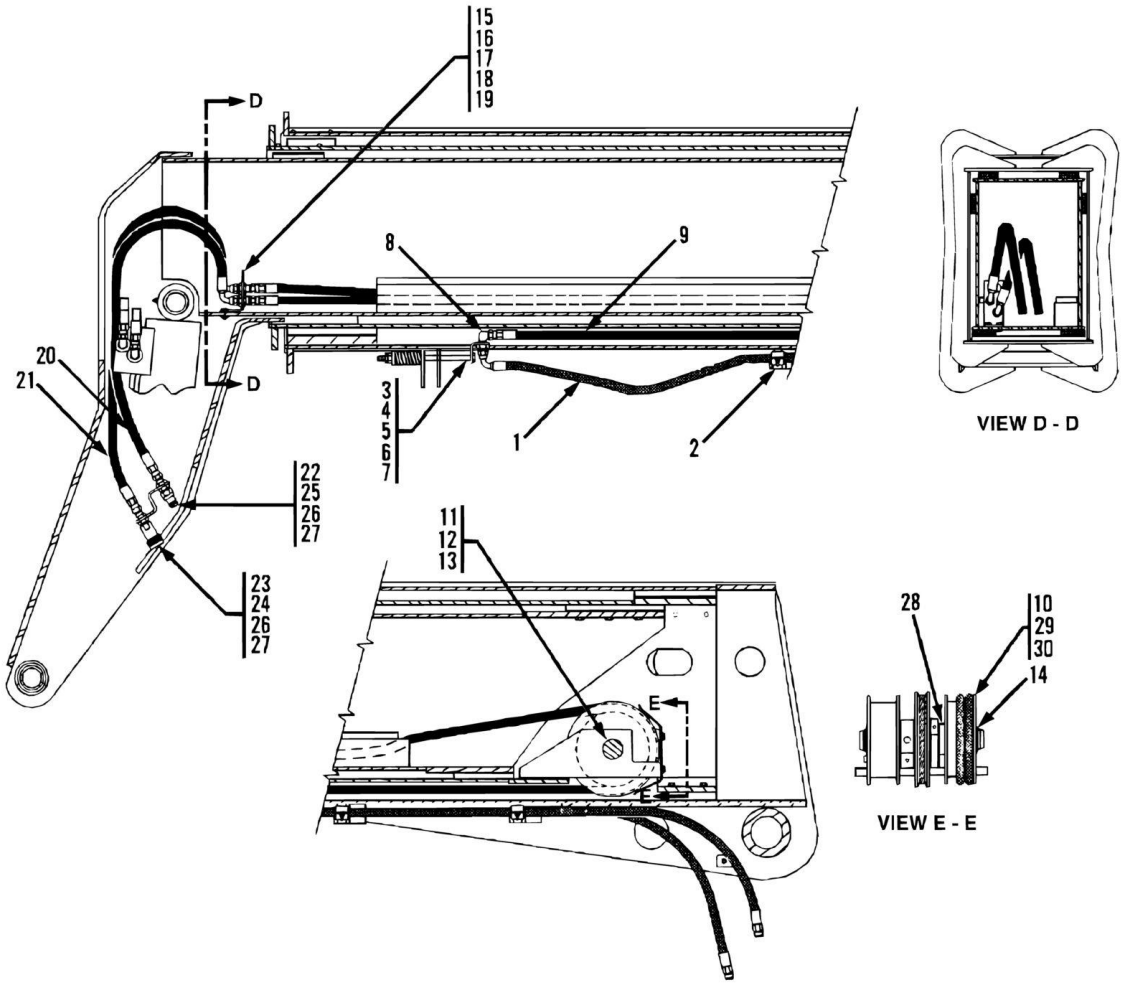
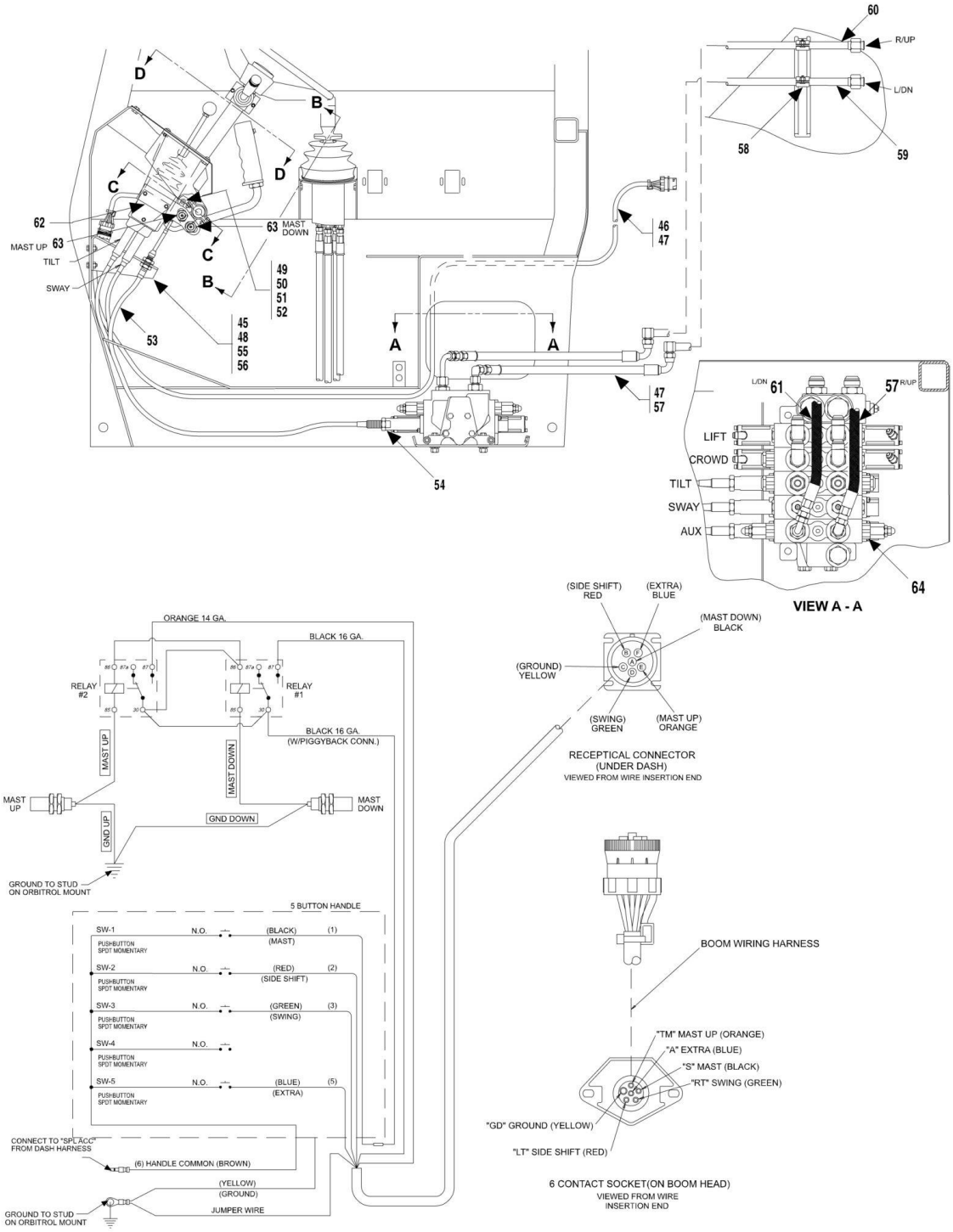

15
16
17
18
19
D
8
9
20
21
D
3
4
5
6
7
1
2
22
25
26
27
23
24
26
27
11
12
13
E
E
28
10
29
30
14
VIEW D - D
VIEW E - E

FIGURE 12-36. AUXILIARY HYDRAULICS FIELD KIT - 40 FT BOOM (534D-9 Prior to SN 0644119; 534D-10 Prior to SN 0366089)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345017	1	AUX HYDRAULICS FIELD KIT, (includes all items)	C
	91365019	1	RH AUX LEVER ASSY, (includes items 48, 49 & 51)	B
1	84719018	2	HOSE ASSY	
2	91343012	6	CUSHION CLAMP	
3	91146028	2	HOSE TAKE UP WELDMENT	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2-13	
7	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
8	90027180	2	90, BULKHEAD FITTING	
9	84719575	2	HOSE ASSY	
10	91343213	1	HOSE SHEAVE	
11	91141144	1	RETRACT SHEAVE PIN	
12	14404793	AR	UNION 76 MEGAPLEX GREASE	
13	88581149	1	EXTERNAL RETAINING RING	
14	91041449	1	THRUST WASHER	
15	91141210	1	BULKHEAD BRACKET	
16	90027176	2	STR THD BULKHEAD FITTING	
17	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
18	88551010	2	LOCKWASHER, 5/16	
19	88501005	2	HEX NUT, 5/16-18	
20	84718385	1	HOSE ASSY	
21	84718557	1	HOSE ASSY	
22	90204244	1	MALE HYDRAULIC COUPLER	
23	90204245	1	FEMALE HYDRAULIC COUPLER	
24	91043125	1	DUST PLUG	
25	91043126	1	DUST CAP	
26	91043321	2	STR BULKHEAD FITTING	
27	88712304	2	PIPE BUSHING	
28	91141158	1	SPACER	
29	91343212	1	HOSE SHEAVE	
30	91343215	1	SPACER	
31	91301020	1	SPACER	
32	91083547	1	AUXILIARY DECAL	
33	91144194	1	VALVE SECTION ASSY	
34	91361023	1	LINK	
35	90021552	1	CLEVIS PIN	
36	88631301	2	COTTER PIN, 1/16X1/2	
37	91034070	1	STUD KIT	
38	91144254	1	SEAL KIT	
39	84718686	1	HOSE ASSY	
40	84718685	1	HOSE ASSY	
41	90207463	2	CUSHION CLAMP	
42	91163096	1	TUBE ASSY	
43	91163097	1	TUBE ASSY	
44	90027187	5	NYLON TIE	
45	2220375	2	CONNECTOR, (includes item 50)	
46	2220471	1	LONG ELBOW, 90, (swivel nut)	
47	88662106	1	ELBOW, 90, (swivel nut)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	91366009	1	RH AUX LEVER WELDMENT	
49	91083136	2	BUSHING	
50	88591207	2	O-RING	
51	90200638	1	KNOB	

FIGURE 12-37. AUXILIARY HYD ELECTRONICS W/LH TILT/SWAY ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)



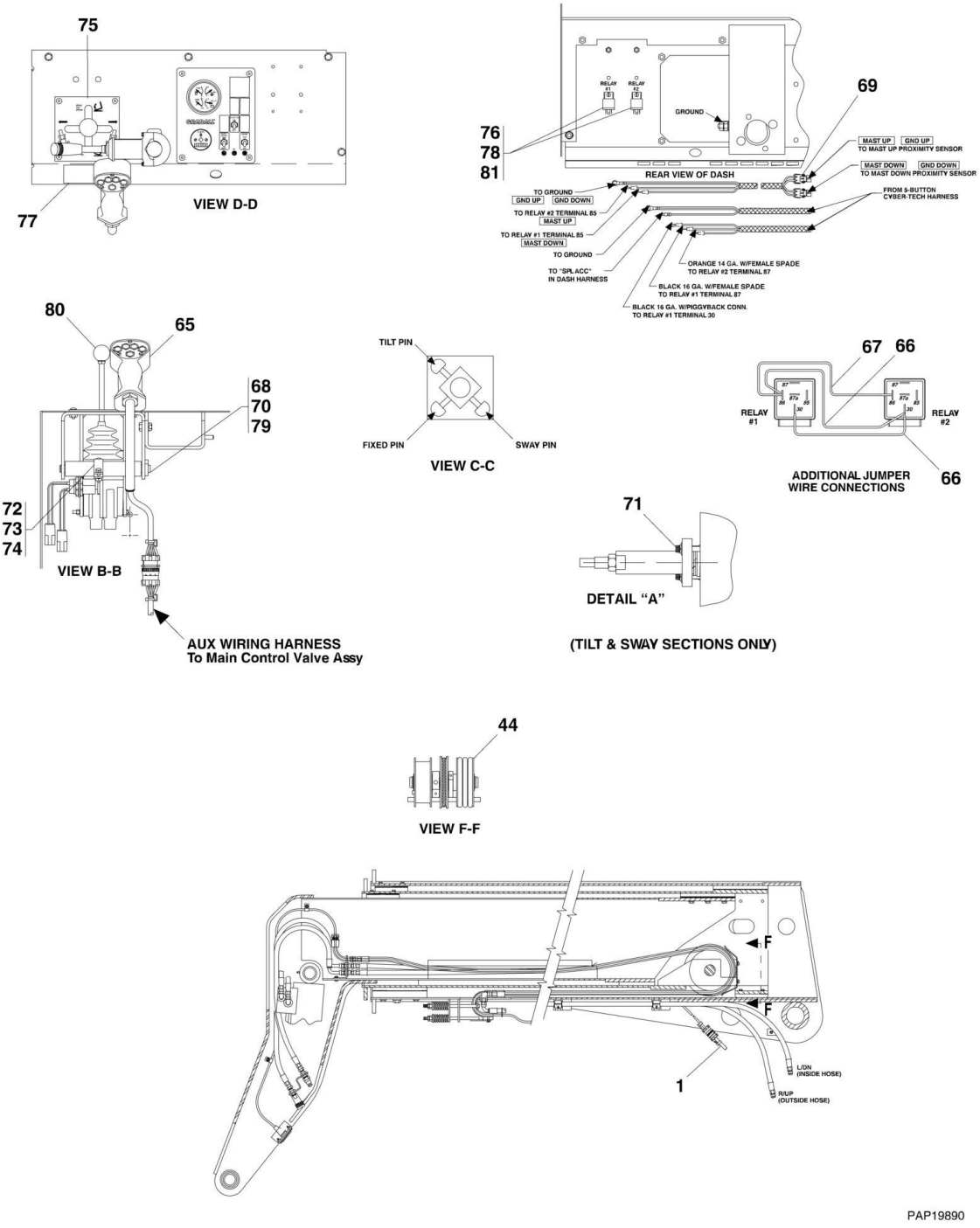
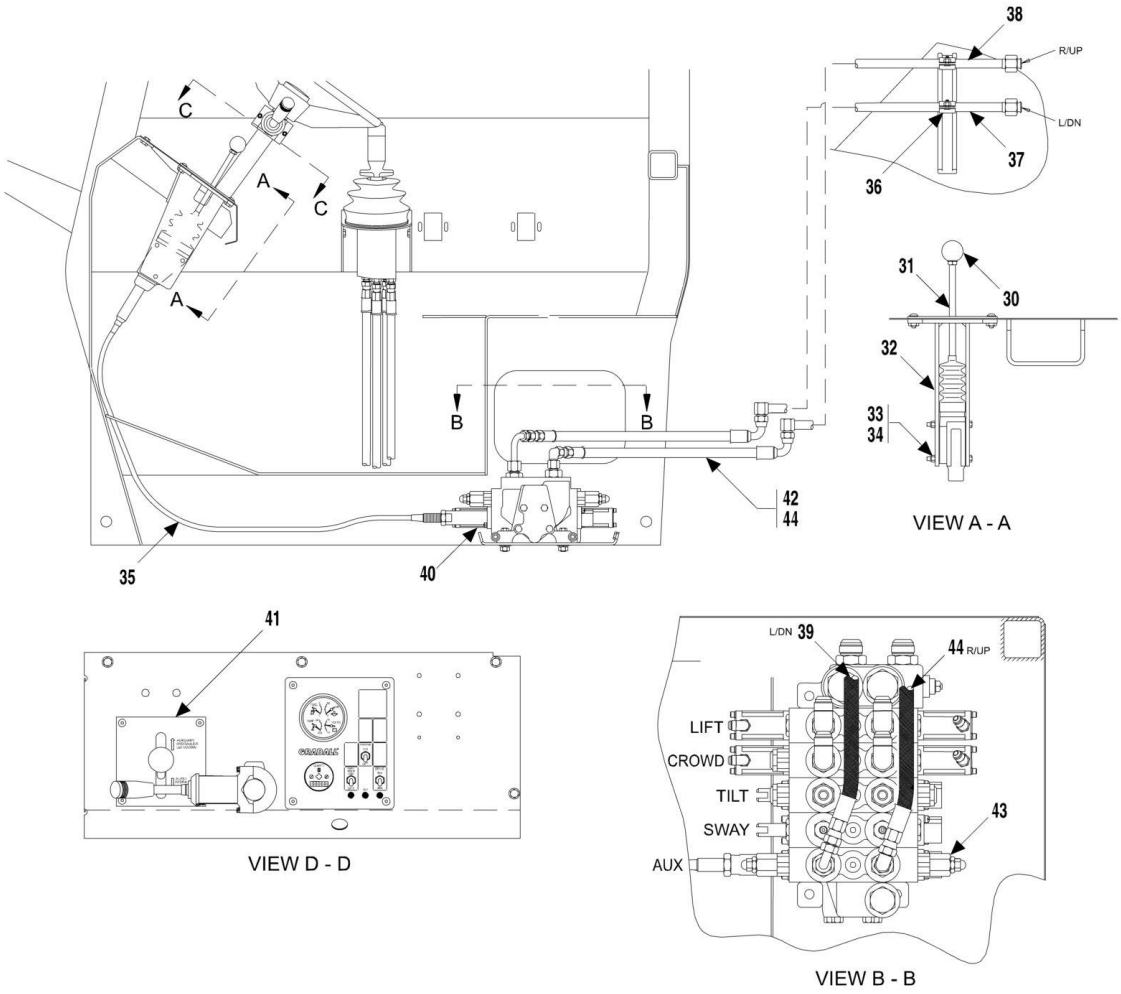

75
77
VIEW D-D
76
78
81
69
GROUND
REAR VIEW OF DASH
MAST UP
GND UP
TO MAST UP PROXIMITY SENSOR
MAST DOWN
GND DOWN
TO MAST DOWN PROXIMITY SENSOR
FROM 5-BUTTON CYBER-TECH HARNESS
TO GROUND
GND UP
GND DOWN
TO RELAY #2 TERMINAL 85
MAST UP
TO RELAY #1 TERMINAL 85
MAST DOWN
TO GROUND
TO "SPL ACC" IN DASH HARNESS
ORANGE 14 GA. W/FEMALE SPADE TO RELAY #2 TERMINAL 87
BLACK 16 GA. W/FEMALE SPADE TO RELAY #1 TERMINAL 87
BLACK 16 GA. W/PNGOYBACK CONN. TO RELAY #1 TERMINAL 30
80
65
68
70
79
72
73
74
VIEW B-B
AUX WIRING HARNESS
To Main Control Valve Assy
TILT PIN
FIXED PIN
SWAY PIN
VIEW C-C
67
66
RELAY #1
RELAY #2
ADDITIONAL JUMPER WIRE CONNECTIONS
66
71
DETAIL "A"
(TILT & SWAY SECTIONS ONLY)
44
VIEW F-F
F
F
1
L/DN (INSIDE HOSE)
R/UP (OUTSIDE HOSE)
PAP19890

FIGURE 12-37. AUXILIARY HYD ELECTRONICS W/LH TILT/SWAY ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345031	1	AUX HYD ELECTRONICS W/LH TILT/SWAY, (includes all items),(534D-9), (45 ft Boom)	L
	91355013	1	AUX HYD ELECTRONICS W/LH TILT/SWAY, (includes all items),(534D-10), (45 ft Boom)	L
1	91143105	1	AUX FRAME HARNESS	
44	91343212	2	HOSE SHEAVE	
45	88551010	2	LOCKWASHER, 5/16	
46	91143105	1	AUXILIARY WIRING HARNESS	
47	90027187	19	NYLON TIE	
48	88501005	2	HEX NUT, 5/16-18	
49	88821002	1	ADJUSTABLE YOKE END	
50	88633001	1	YOKE PIN, 1/4	
51	88631302	1	COTTER PIN	
52	88501404	1	HEX JAM NUT, 1/4-28	
53	91123050	1	PUSH-PULL CABLE	
54	91123062	3	CABLE ADAPTER BONNET	
55	91341007	1	CABLE BRACKET	
56	88201019	2	HEX HD CAPSCREW, 5/16-18X7/8, GR5	
57	84718685	1	HOSE ASSY	
58	90207463	2	CUSHION CLAMP	
59	91163096	1	TUBE ASSY	
60	91163097	1	TUBE ASSY	
61	84718686	1	HOSE ASSY	
62	91341019	1	SENSOR PLATE	
63	80363036	2	PROXIMITY SENSOR	
64		Ref	MAIN CONTROL VALVE ASSY, (See MAIN CONTROL VALVE for Breakdown)	
65		Ref	5-BUTTON HANDLE ASSY, (See BUTTON AUXILIARY HANDLE ASSEMBLY for Breakdown)	
66	91341021	2	JUMPER WIRE	
67	91341022	1	JUMPER WIRE	
68	91346004	1	PIN WELD	
69	91343054	1	WIRING HARNESS	
70	88201018	1	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
71	88211044	4	SOCKET HD CAPSCREW, 1/4-20X1-1/2, GR8	
72	91346010	1	ACTUATOR WELD	
73	91341018	1	CLAMP HALF	
74	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
75	91363041	1	TILT/SWAY GUIDE PLATE	
76	77383410	2	RELAY	
77	91343026	1	AUXILIARY CONTROL DECAL	
78	88301088	2	ROUND HD MACHINE SCREW, #10-24X3/8	
79	90028662	2	WAVE BEND WASHER	
80	91345020	1	REMOTE VALVE CONTROL ASSY, (includes the following 8 items)	
80	91083107	1	REMOTE VALVE CONTROL	
80	91346003	1	TILT/SWAY BRACKET WELD	
80	91363043	2	CONTROL CABLE	
80	11002410	3	HEX HD CAPSCREW, 1/4-28X4-1/2	
80	88551009	3	LOCKWASHER, 1/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
80	88501404	3	HEX JAM NUT, 1/4-28	
80	91084282	1	KNOB	
80	91084359	1	BOOT	
81	88561105	2	FLAT WASHER, #10	

FIGURE 12-38. AUXILIARY HYDRAULICS ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)



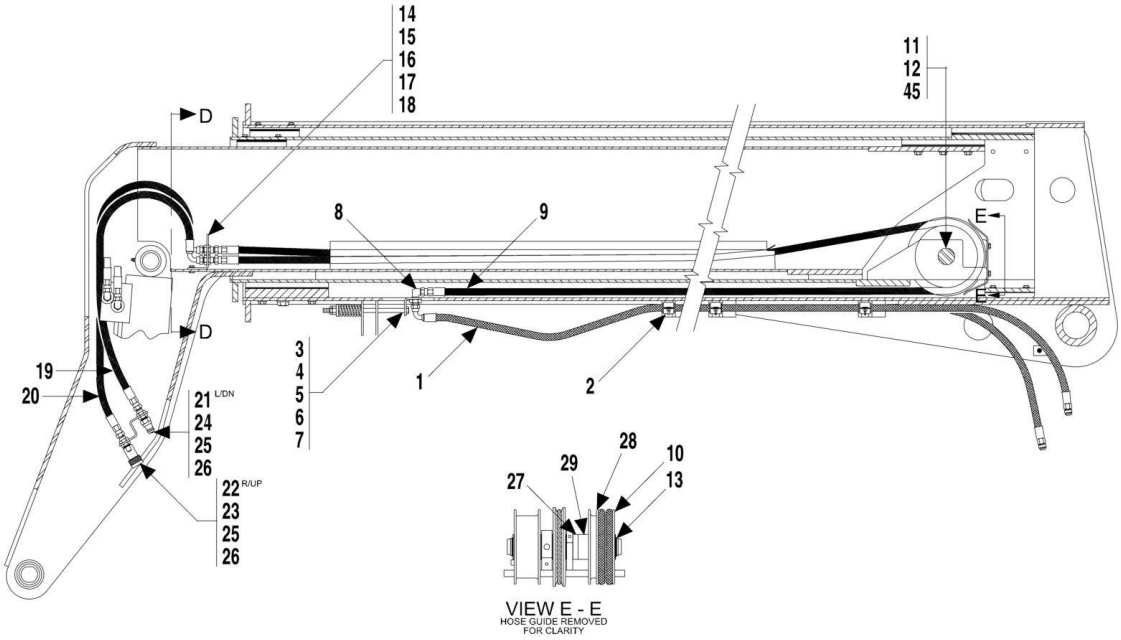

14
15
16
17
18
11
12
45
D
8
9
E
E
D
19
20
21 L/DN
24
25
26
22 R/UP
23
25
26
3
4
5
6
7
1
2
28
29
10
13
27
VIEW E - E
HOSE GUIDE REMOVED FOR CLARITY

FIGURE 12-38. AUXILIARY HYDRAULICS ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345033	1	AUX HYDRAULICS ASSY, (includes all items), (534D-9 45ft Boom)	G
	91355007	1	AUX HYDRAULICS ASSY, (includes all items), (534D-10 45ft Boom)	J
1	84719075	2	HOSE ASSEMBLY	
2	90207463	6	CUSHION CLAMP	
3	91166068	2	HOSE TAKE-UP WELD	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2-13	
7	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
8	2230044	2	ELBOW, 90	
9	84721049	2	HOSE ASSY	
10	91343223	1	HOSE SHEAVE	
11	91141144	1	RETRACT SHEAVE PIN	
12	88581149	1	EXTERNAL RETAINING RING	
13	91041449	2	THRUST WASHER	
14	91141210	1	BULKHEAD BRACKET	
15	2230025	2	ADAPTER	
16	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
17	88551010	2	LOCKWASHER, 5/16	
18	88501005	2	HEX NUT, 5/16-18	
19	84718385	1	HOSE ASSY	
20	84718557	1	HOSE ASSY	
21	91163138	1	MALE HYDRAULIC COUPLER	
22	91163139	1	FEMALE HYDRAULIC COUPLER	
23	91043125	1	DUST PLUG	
24	91043126	1	DUST CAP	
25	91043321	2	STR BULKHEAD FITTING	
26	88712304	2	REDUCING BUSHING, 1/2X3/8	
27	91551037	1	SPACER	
28	91343224	1	HOSE SHEAVE	
29	91343215	1	SPACER	
30	91345010	1	REMOTE CONTROL VALVE ASSY, (includes items 31 thru 35)	
31	91303019	1	REMOTE VALVE CONTROL	
32	91366007	1	LEVER BRACKET	
33	88201012	3	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	
34	88521304	3	HEX LOCKNUT, 1/4-20	
35	91363043	1	CONTROL CABLE	
36	90207463	2	CUSHION CLAMP	
37	91163096	1	TUBE ASSY	
38	91163097	1	TUBE ASSY	
39	84718686	1	HOSE ASSY	
40	91123062	1	CABLE ADAPTER BONNET	
41	91363045	1	GUIDE PLATE	
42	90027187	5	NYLON TIE	
43		Ref	MAIN CONTROL VALVE, (See MAIN CONTROL VALVE for Breakdown)	
44	84718685	1	HOSE ASSY	
45	14404793	AR	UNION 76 MEGAPLEX GREASE	

FIGURE 12-39. RH AUXILIARY HYDRAULIC ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)

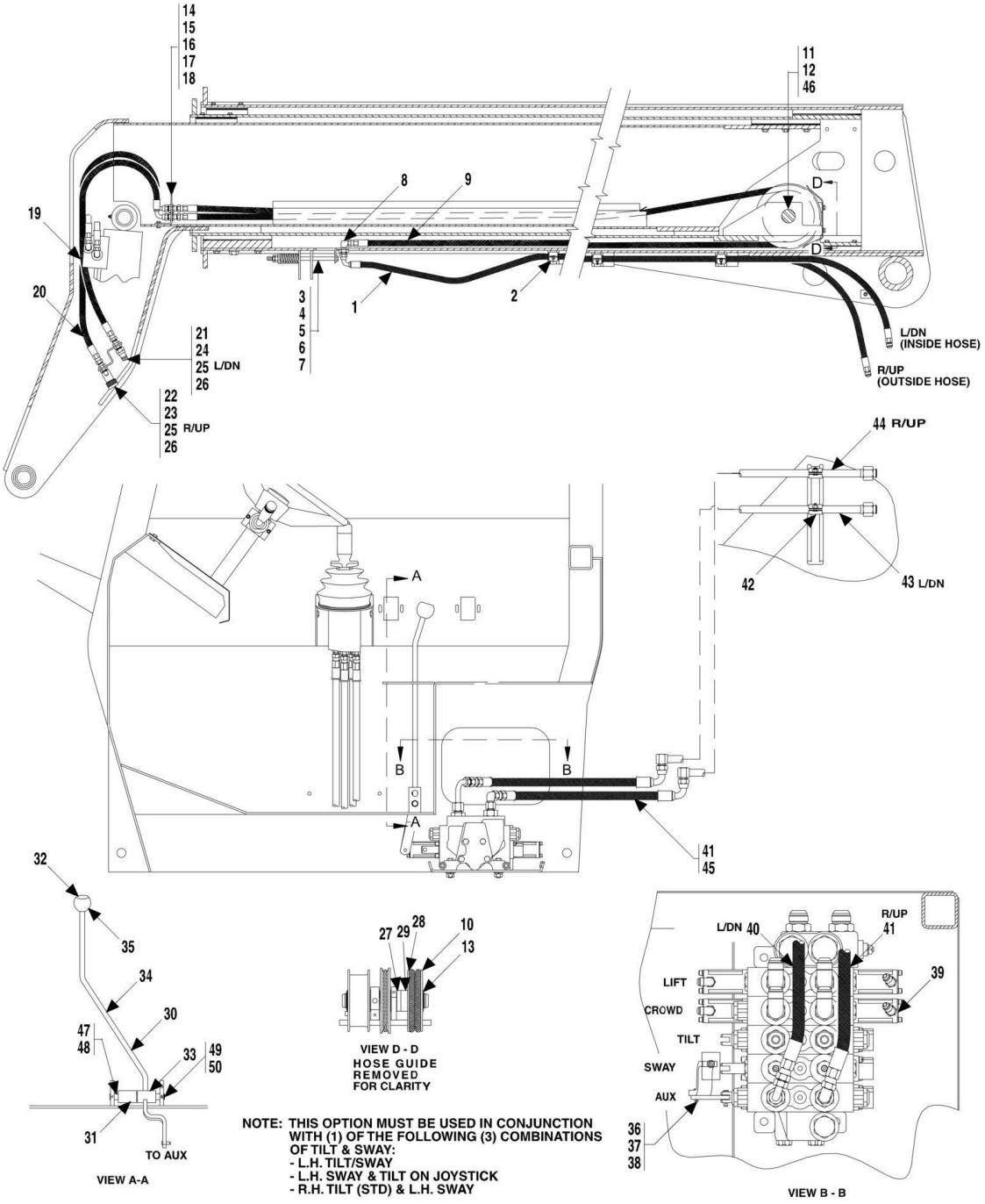


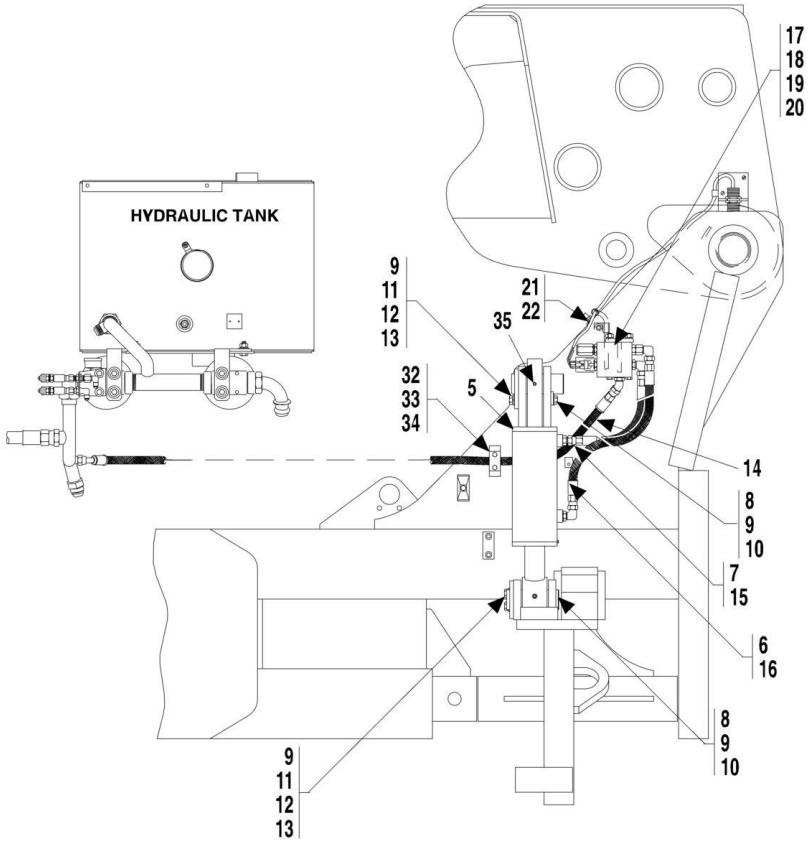
FIGURE 12-39. RH AUXILIARY HYDRAULIC ASSEMBLY - 45 FT BOOM (Prior to SN 0160027771)

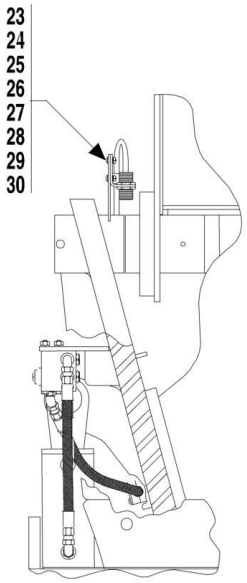
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345035	1	RH AUX HYDRAULICS ASSY, (includes all items), (534D-9 45ft Boom)	G
	91355015	1	RH AUX HYDRAULIC ASSY, (includes all items), (534D-10 45ft Boom)	G
1	84719075	2	HOSE ASSY	
2	90207463	6	CUSHION CLAMP	
3	91166068	2	HOSE TAKE-UP WELDMENT	
4	91123054	2	COMPRESSION SPRING	
5	91121134	2	SPRING RETAINER	
6	88501008	2	HEX NUT, 1/2-13	
7	88501108	2	HEAVY HEX JAM NUT, 1/2-13	
8	2230044	2	ELBOW, 90	
9	84719196	2	HOSE ASSY	
10	91343213	1	HOSE SHEAVE	
11	91141144	1	RETRACT SHEAVE PIN	
12	88581149	1	EXTERNAL RETAINING RING	
13	91041449	1	THRUST WASHER	
14	91141210	1	BULKHEAD BRACKET	
15	2220865	2	ADAPTER	
16	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
17	88551010	2	LOCKWASHER, 5/16	
18	88501005	2	HEX NUT, 5/16-18	
19	84718385	1	HOSE ASSY	
20	84718557	1	HOSE ASSY	
21	90204244	1	MALE HYDRAULIC COUPLER	
22	90204245	1	FEMALE HYDRAULIC COUPLER	
23	91043125	1	DUST PLUG	
24	91043126	1	DUST CAP	
25	91043321	2	STR BULKHEAD FITTING	
26	88712304	2	REDUCING BUSHING, 1/2X3/8	
27	91551037	2	SPACER	
28	91343212	1	HOSE SHEAVE	
29	91343215	1	SPACER	
30	91365019	1	RH AUX LEVER ASSY, (includes items 33-35)	
31	91301020	1	SPACER	
32	91083547	1	AUXILIARY DECAL	
33	91083136	2	BUSHING	
34	91366009	1	RH AUX LEVER WELD	
35	90200638	1	KNOB	
36	91361023	1	LINK	
37	90021552	1	CLEVIS PIN	
38	91363036	2	HITCH PIN CLIP	
39		Ref	MAIN CONTROL VALVE, (See MAIN CONTROL VALVE for Breakdown)	
40	84718686	1	HOSE ASSY	
41	84718685	1	HOSE ASSY	
42	90207463	2	CUSHION CLAMP	
43	91163096	1	TUBE ASSY	
44	91163097	1	TUBE ASSY	
45	90027187	5	NYLON TIE	

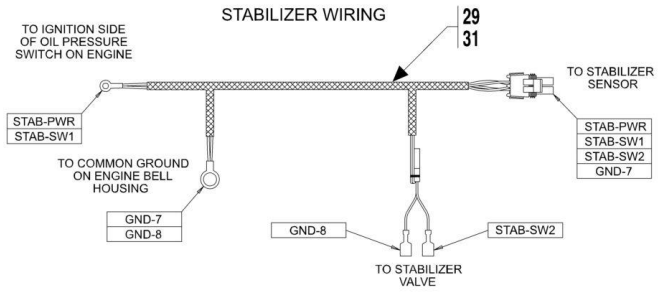
SECTION 12 - OPTIONS

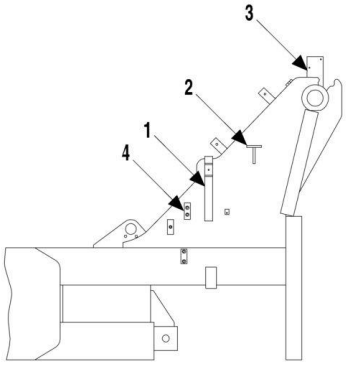
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	14404793	AR	MYSTIK TETRIMOLY GREASE	
47	90028662	3	WAVE BEND WASHER	
48	88561113	9	FLAT WASHER, 5/8	
49	91081354	1	SHAFT	
50	88631338	1	COTTER PIN	

FIGURE 12-40. REAR AXLE STABILIZER FIELD KIT






STABILIZER WIRING
29
31
TO IGNITION SIDE OF OIL PRESSURE SWITCH ON ENGINE
STAB-PWR
STAB-SW1
TO STABILIZER SENSOR
STAB-PWR
STAB-SW1
STAB-SW2
GND-7
TO COMMON GROUND ON ENGINE BELL HOUSING
GND-7
GND-8
GND-8
STAB-SW2
TO STABILIZER VALVE


3
2
1
4

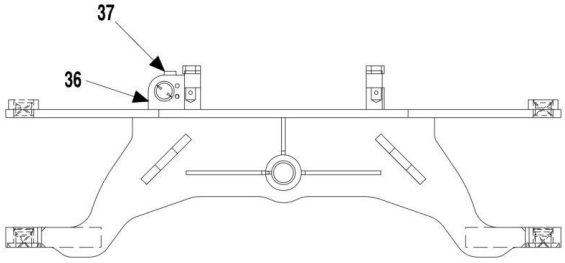
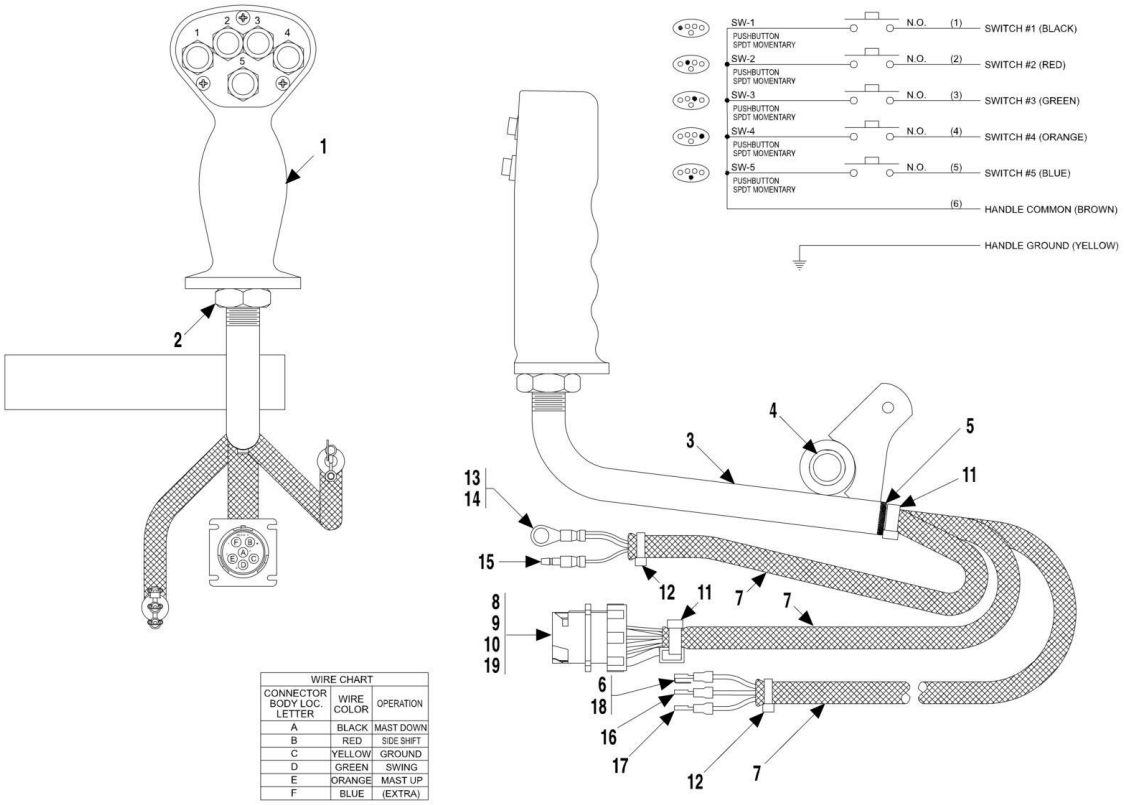

37
36

FIGURE 12-40. REAR AXLE STABILIZER FIELD KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345009	1	REAR AXLE STABILIZER FIELD KIT, (includes all items)	E
1	91161083	1	STABILIZER LUG	
2	91366014	1	STABILIZER MOUNTING BRACKET WELDMENT	
3	91141261	1	BRACKET	
4	77133029	1	BASE PLATE	
5		Ref	STABILIZER CYLINDER, (See AUXILIARY HYDRAULICS FIELD KIT - 40 FT BOOM for Breakdown)	
6	88662065	1	ELBOW, 90, (includes o-ring)	
6	88591205	1	O-RING	
7	2220373	1	CONNECTOR, (includes o-ring)	
7	88591205	1	O-RING	
8	91161269	2	KEEPER	
9	88561111	6	FLAT WASHER, 1/2	
10	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
11	91166062	2	PIN WELD	
12	88201066	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
13	88551013	4	LOCKWASHER, 1/2	
14	84719365	1	HOSE ASSY	
15	84719378	1	HOSE ASSY	
16	84717556	1	HOSE ASSY	
17	83201073	2	HEX HD CAPSCREW, 3/8-16X4-1/2, GR5	
18	88551011	2	LOCKWASHER, 3/8	
19	88501006	2	HEX NUT, 3/8-16	
20		Ref	STABILIZER VALVE ASSY, (See REAR AXLE ADVANTAGE KIT for Breakdown)	
21	86621230	2	SUPPORT CLAMP	
22	77143006	2	WHIZ-LOCKNUT, 5/16-18	
23	91365037	1	STABILIZER SENSOR ASSY, (includes the following five items)	B
23	91143155	1	PROXIMITY SENSOR SWITCH	
23	80963062	1	W. PACK CONNECTOR, (shroud)	
23	80963069	4	W. PACK CONNECTOR, (male pin)	
23	80963065	4	W. PACK CONNECTOR, (cable seals)	
23	91053419	1	TIE WRAP	
24	91141260	1	BRACKET	
25	88301093	2	ROUND HD MACHINE SCREW, #10-24X3/4	
26	88551007	2	LOCKWASHER, #10	
27	88561001	4	FLAT WASHER, 3/16	
28	91043199	2	SQUARE NUT, #10-24	
29	90027187	8	TIE WRAP	
30	90021705	1	SUPPORT CLAMP	
31	91363081	1	STABILIZER HARNESS	
32	77133053	1	HOSE CLAMP	
33	77133052	1	COVER PLATE	
34	77133209	2	HEX HD CAPSCREW, 1/4-20X1-3/8	
35	88671001	1	STRAIGHT LUBE FITTING, 1/8	
36	91341003	2	STABILIZER SUPPORT	
37	91081669	1	WELD BAR	

FIGURE 12-41. 5-BUTTON AUXILIARY HANDLE ASSEMBLY (Prior to SN 0160027771)



WIRE CHART		
CONNECTOR BODY LOC. LETTER	WIRE COLOR	OPERATION
A	BLACK	MAST DOWN
B	RED	SIDE SHIFT
C	YELLOW	GROUND
D	GREEN	SWING
E	ORANGE	MAST UP
F	BLUE	(EXTRA)

FIGURE 12-41. 5-BUTTON AUXILIARY HANDLE ASSEMBLY (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345022	1	5-BUTTON AUX HANDLE ASSY, (includes all items)	
1	91033387	1	5-BUTTON HANDLE	
2	88501112	1	HEAVY HEX JAM NUT, 3/4-10	
3	91346002	1	LEVER WELDMENT	
4	91083136	2	BUSHING	
5	91123051	1	MOLDED RUBBER BUSHING	
6	86683480	1	BUTT CONNECTOR	
7	82033996	50 in	WIRE LOOM	
8	77363232	1	RECEPTACLE CONNECTOR	
9	77363228	5	PIN CONTACT, (Ports A, B, C, D & F)	
10	91143107	1	STRAIN RELIEF	
11	90027187	2	TIE WRAP	
12	86683122	2	TIE WRAP	
13	91341015	1	JUMPER WIRE	
14	83683363	1	INSULATED RING TERMINAL	
15	86983193	1	MALE BULLET	
16	91341026	1	JUMPER WIRE	
17	91341027	1	JUMPER WIRE	
18	91341020	1	JUMPER WIRE	
19	77363345	1	PIN CONTACT, (Port E)	

FIGURE 12-42. WINCH INSTALLATION - 45 FT BOOM (Prior to SN 0160027771)

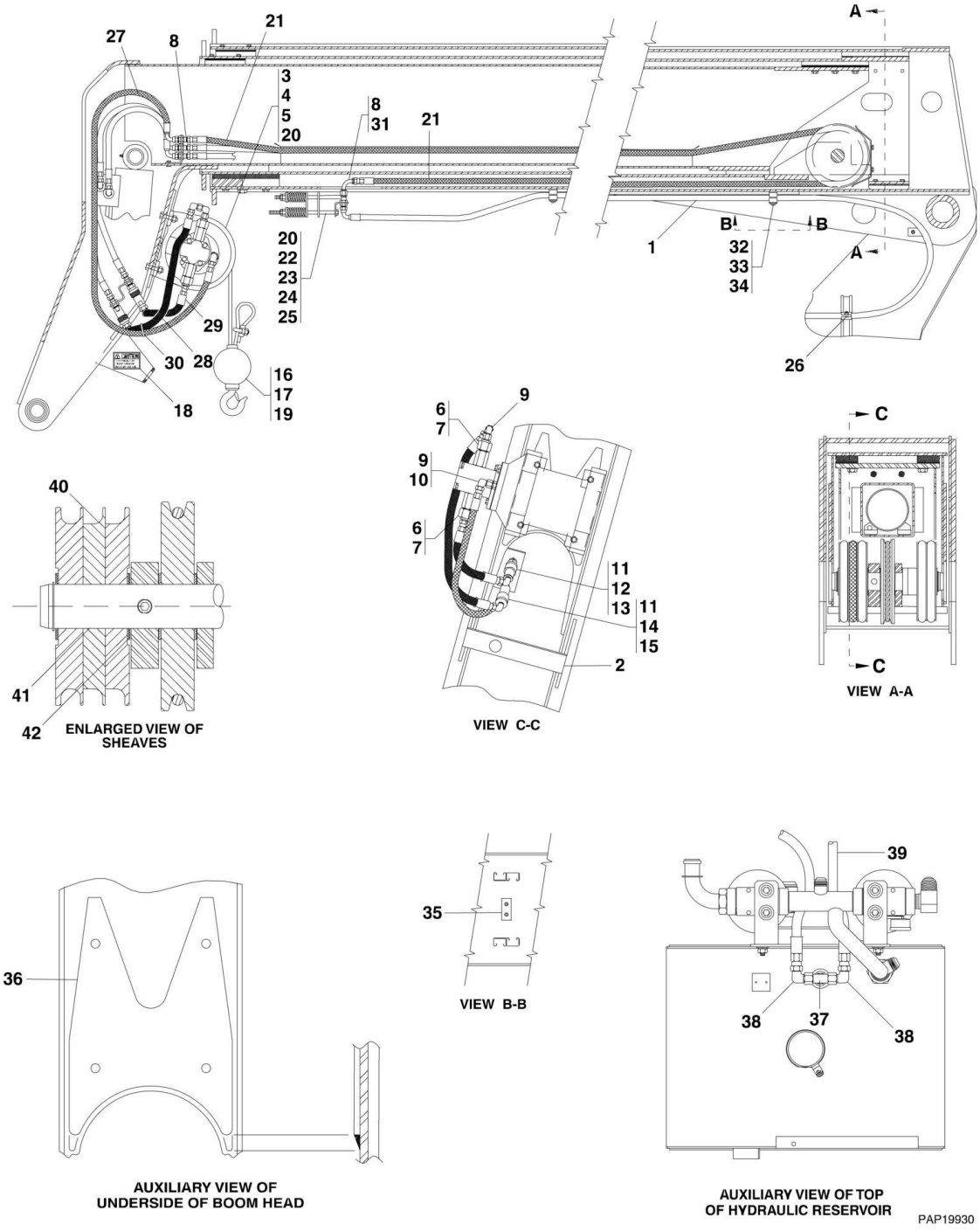


FIGURE 12-42. WINCH INSTALLATION - 45 FT BOOM (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91355004	1	WINCH INSTALLATION, (includes all items)	L
1	84719093	1	HOSE ASSY	
2	91121159	1	STOWAGE BRACKET	
3		Ref	WINCH, (See WINCH for Breakdown)	
4	88201070	4	HEX HD CAPSCREW,1/2-13X2-1/4, GR5	
5	90027471	8	HARDENED WASHER, 1/2	
6	91033161	2	FLOW REGULATOR	
7	2220624	2	TUBE END REDUCER	
8	88661085	2	BULKHEAD UNION, 3/4-16X1/2, TUBE	
9	88662106	3	ELBOW, 90, (swivel nut)	
10	88661011	1	MALE CONNECTOR, 1/4X1/2 TUBE	
11	88661113	2	MALE ELBOW, 90, 1/2X1/2 TUBE, (Prior to SN 2005283-01)	
11	88662065	2	ELBOW, 90, (includes 88591205 o-ring), (SN 2005283-01 to Present)	
12	91163139	1	FEMALE HYDRAULIC COUPLER, (Prior to SN 2005283-01)	
12	91403413	1	FEMALE HYDRAULIC COUPLER, (SN 2005283-01 to Present)	
13	91043125	1	DUST PLUG	
14	91163138	1	MALE HYDRAULIC COUPLER, (Prior to SN 2005283-01)	
14	91403414	1	MALE HYDRAULIC COUPLER, (SN 2005283-01 to Present)	
15	91043126	1	DUST CAP	
16	90207882	1	CABLE	
17	90201443	1	HOOK AND BALL	
18	91083535	1	CAUTION DECAL	
19	90028990	1	WIRE ROPE CLIP	
20	88501008	5	HEX NUT, 1/2-13	
21	84721049	1	HOSE ASSY	
22	91166068	1	HOSE TAKE-UP WELDMENT	
23	91123054	1	COMPRESSION SPRING	
24	91121134	1	SPRING RETAINER	
25	88501108	1	HEAVY HEX JAM NUT, 1/2-13	
26	90207464	1	CUSHION CLAMP	
27	84717846	1	HOSE ASSY	
28	84716148	1	HOSE ASSY	
29	84718046	1	HOSE ASSY	
30	90027187	1	NYLON TIE	
31	2220386	1	SWIVEL NUT ELBOW, 90	
32	77133053	3	CLAMP SET	
33	77133052	3	COVER PLATE	
34	77133209	6	HEX HD CAPSCREW, 1/4-20X1-3/8	
35	77133029	3	BASE PLATE	
36	91141194	1	WINCH MOUNTING PLATE	
37	2220383	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE	
38	88662106	2	ELBOW, 90, (swivel nut)	
39	90027187	4	TIE WRAP	
40	91343225	1	HOSE SHEAVE	
41	14404793	AR	MYSTIK TETRIMOLY GREASE	
42	91041449	2	THRUST WASHER	

FIGURE 12-43. WINCH INSTALLATION - 45 FT BOOM (SN 0160027771 to Present)

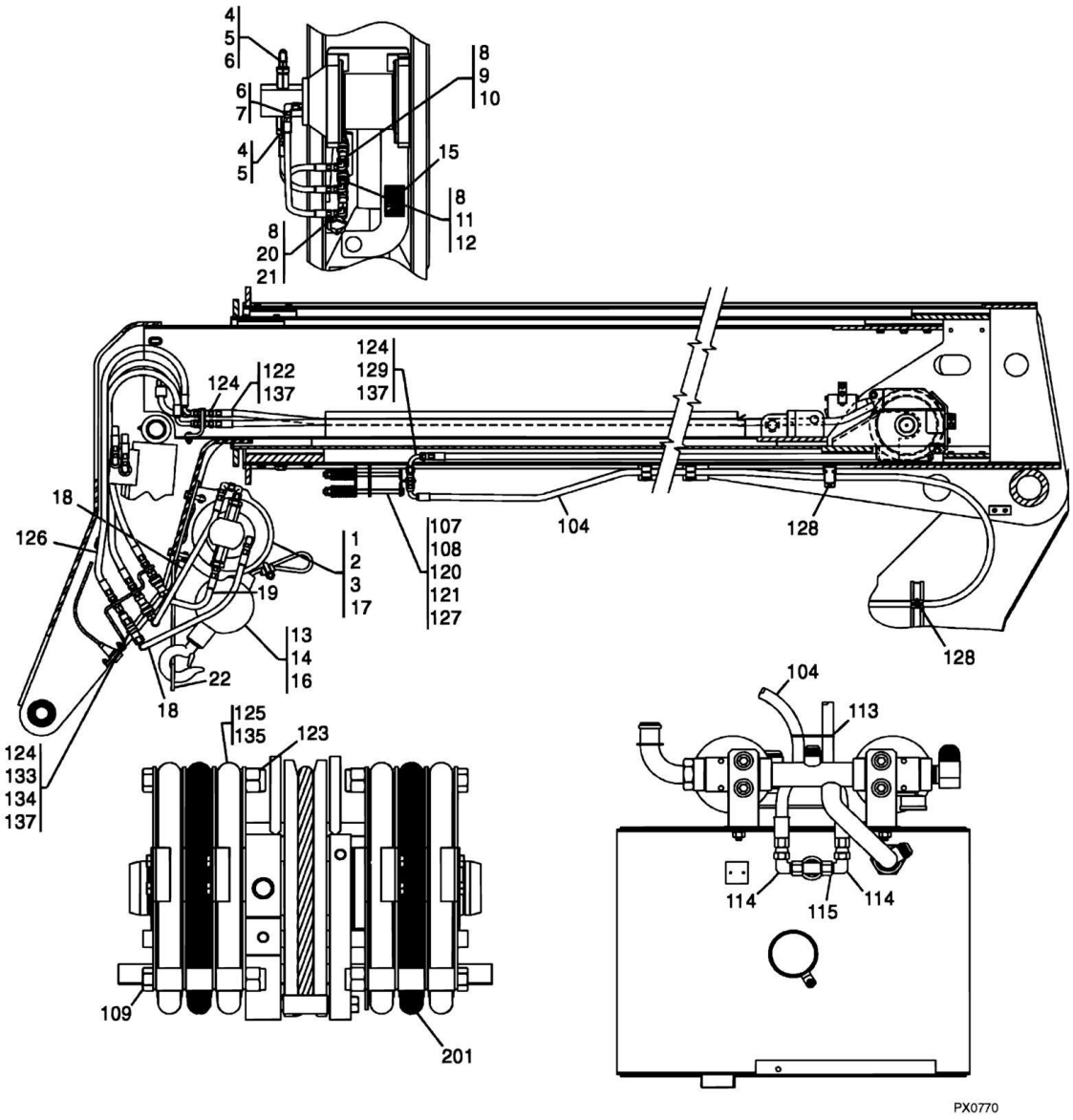
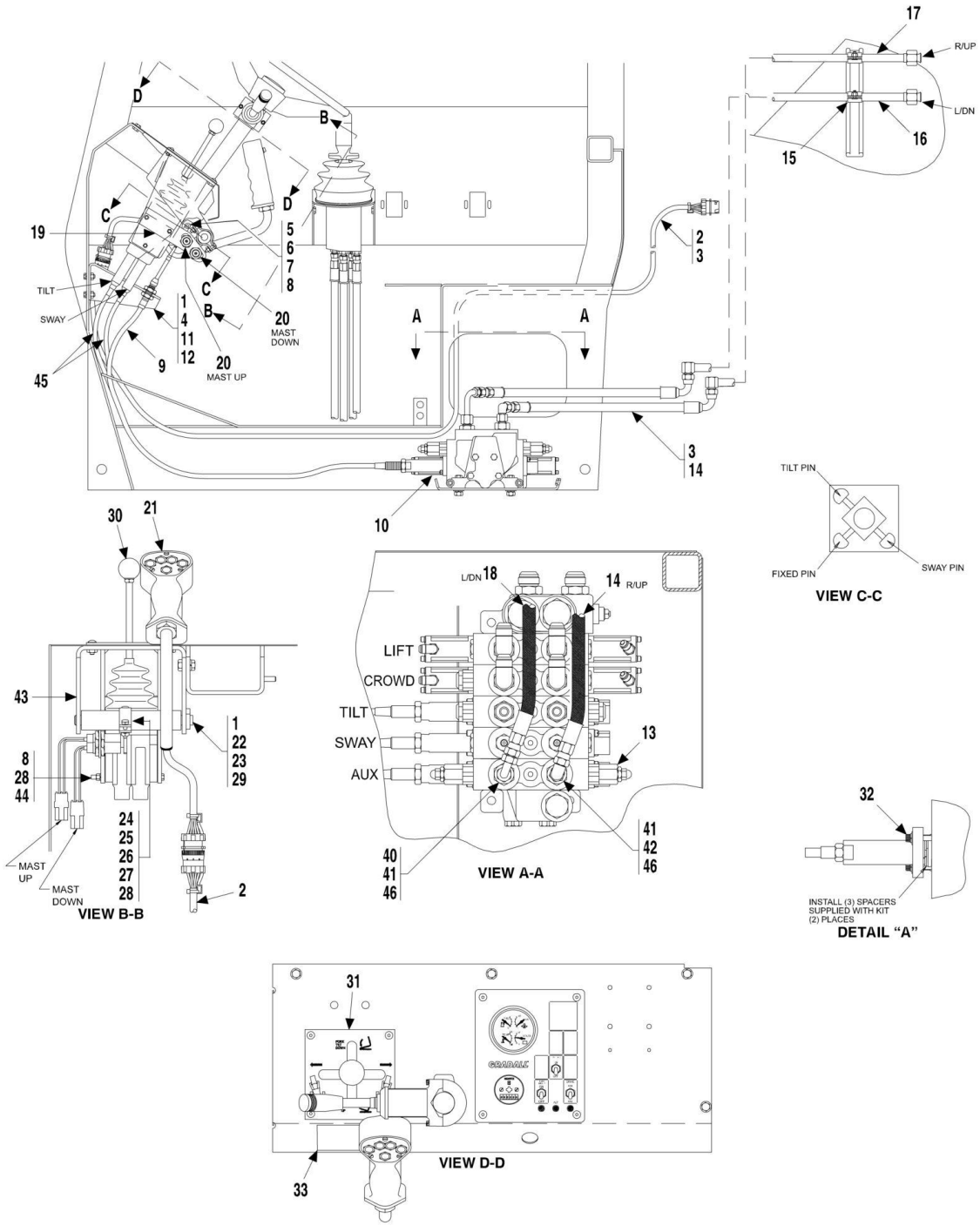
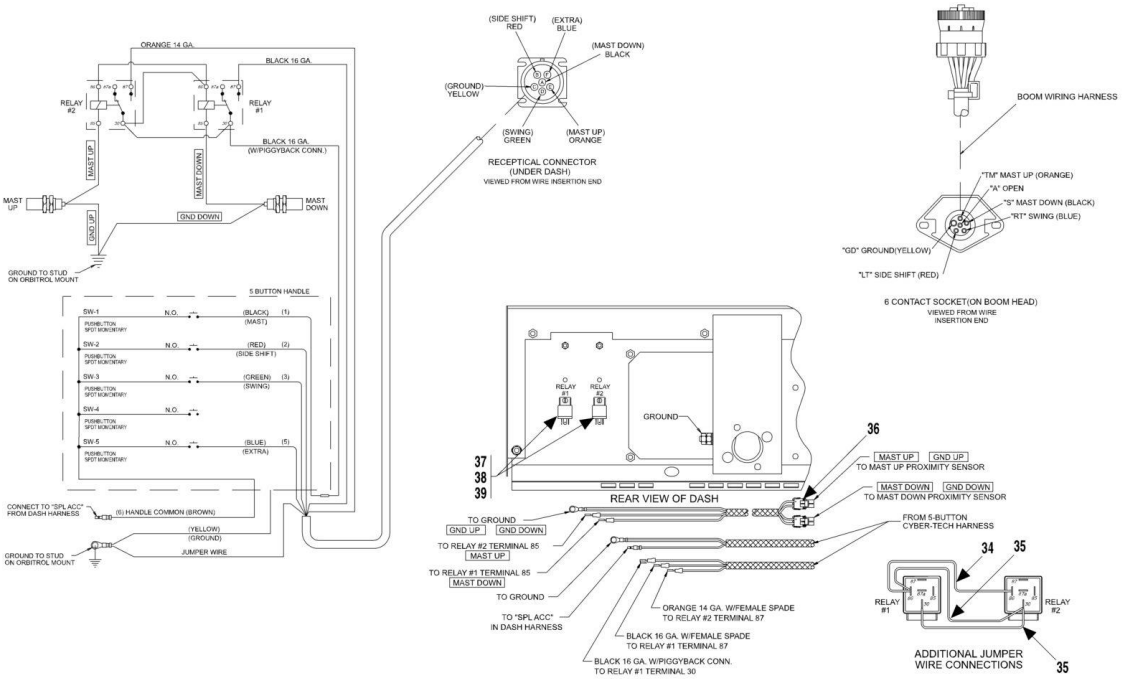


FIGURE 12-43. WINCH INSTALLATION - 45 FT BOOM (SN 0160027771 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535026	1	WINCH INSTALLATION, (if equipped), (includes items 1 thru 22)	B
1		Ref	WINCH, (See WINCH for Breakdown)	
2	0641818	4	HEX HD CAPSCREW, 1/2-13X2-1/4, GR5	
3	90027471	8	WASHER, 1/2	
4	91033161	2	FLOW REGULATOR	
5	2220624	2	ADAPTER	
6	8765204	3	ELBOW, 90	
7	2220342	1	ADAPTER	
8	2220596	3	ELBOW, 90	
9	91403413	1	ADAPTER	
10	91043125	1	DUST PLUG	
11	91403414	1	ADAPTER	
12	91043126	1	DUST CAP	
13	90207882	1	CABLE	
14	90201443	1	HOOK AND BALL	
15	91083535	1	CAUTION DECAL	
16	90028990	1	WIRE ROPE CLIP	
17	88501008	4	HEX NUT, 1/2	
18	84716148	2	HOSE ASSY	
19	84718046	1	HOSE ASSY	
20	8430083	1	ADAPTER	
21	8430054	1	DUST CAP	
22	91531040	1	PLATE	
104	84719093	1	HOSE ASSY	
107	91123054	1	COMPRESSION SPRING	
108	91121134	1	SPRING RETAINER	
109	0641832	4	HEX HD CAPSCREW, 1/2-13X4, GR5	
113	90027187	8	TIE WRAP	
114	8765204	2	ELBOW, 90	
115	2220383	1	ADAPTER	
120	88501008	1	HEX NUT, 1/2	
121	88501108	1	JAM NUT, 1/2	
122	2754808	1	HOSE ASSY	
123	91531029	1	PLATE	
124	2230025	3	ADAPTER	
125	91533018	1	HOSE SHEAVE	
126	2754548	1	HOSE ASSY	
127	91166068	1	WELDMENT	
128	90207464	2	CUSHION CLAMP	
129	2220386	1	ADAPTER	
133	2220372	1	ADAPTER	
134	8430084	1	ADAPTER	
137	14404793	AR	MEGAPLEX GREASE	
201		Ref	AUXILIARY HYDRAULICS, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	

FIGURE 12-44. AUXILIARY HYD ELECTRONICS W/LH TILT/SWAY (Prior to SN 0160027771)




ORANGE 14 GA.
BLACK 16 GA.
RELAY #2
RELAY #1
MAST UP
MAST DOWN
GND UP
GND DOWN
MAST UP
MAST DOWN
BLACK 16 GA. (W/PIGGYBACK CONN.)
GROUND TO STUD ON ORBITROL MOUNT
5 BUTTON HANDLE
SW-1 N.O. (BLACK) (1) PUSHBUTTON SPDT MOMENTARY (MAST)
SW-2 N.O. (RED) (2) PUSHBUTTON SPDT MOMENTARY (SIDE SHIFT)
SW-3 N.O. (GREEN) (3) PUSHBUTTON SPDT MOMENTARY (SWING)
SW-4 N.O. PUSHBUTTON SPDT MOMENTARY
SW-5 N.O. (BLUE) (5) PUSHBUTTON SPDT MOMENTARY (EXTRA)
CONNECT TO "SPL ACC" FROM DASH HARNESS
(6) HANDLE COMMON (BROWN)
(YELLOW) (GROUND)
JUMPER WIRE
GROUND TO STUD ON ORBITROL MOUNT
(SIDE SHIFT) RED
(EXTRA) BLUE
(MAST DOWN) BLACK
(GROUND) YELLOW
(SWING) GREEN
(MAST UP) ORANGE
RECEPTICAL CONNECTOR (UNDER DASH)
VIEWED FROM WIRE INSERTION END
BOOM WIRING HARNESS
"TM" MAST UP (ORANGE)
"A" OPEN
"S" MAST DOWN (BLACK)
"RT" SWING (BLUE)
"GD" GROUND(YELLOW)
"LT" SIDE SHIFT (RED)
6 CONTACT SOCKET(ON BOOM HEAD)
VIEWED FROM WIRE INSERTION END
GROUND
REAR VIEW OF DASH
MAST UP
GND UP
TO MAST UP PROXIMITY SENSOR
MAST DOWN
GND DOWN
TO MAST DOWN PROXIMITY SENSOR
FROM 5-BUTTON CYBER-TECH HARNESS
TO GROUND
GND UP
GND DOWN
TO RELAY #2 TERMINAL 85
MAST UP
TO RELAY #1 TERMINAL 85
MAST DOWN
TO GROUND
TO "SPL ACC" IN DASH HARNESS
ORANGE 14 GA. W/FEMALE SPADE TO RELAY #2 TERMINAL 87
BLACK 16 GA. W/FEMALE SPADE TO RELAY #1 TERMINAL 87
BLACK 16 GA. W/PIGGYBACK CONN. TO RELAY #1 TERMINAL 30
RELAY #1
RELAY #2
ADDITIONAL JUMPER WIRE CONNECTIONS

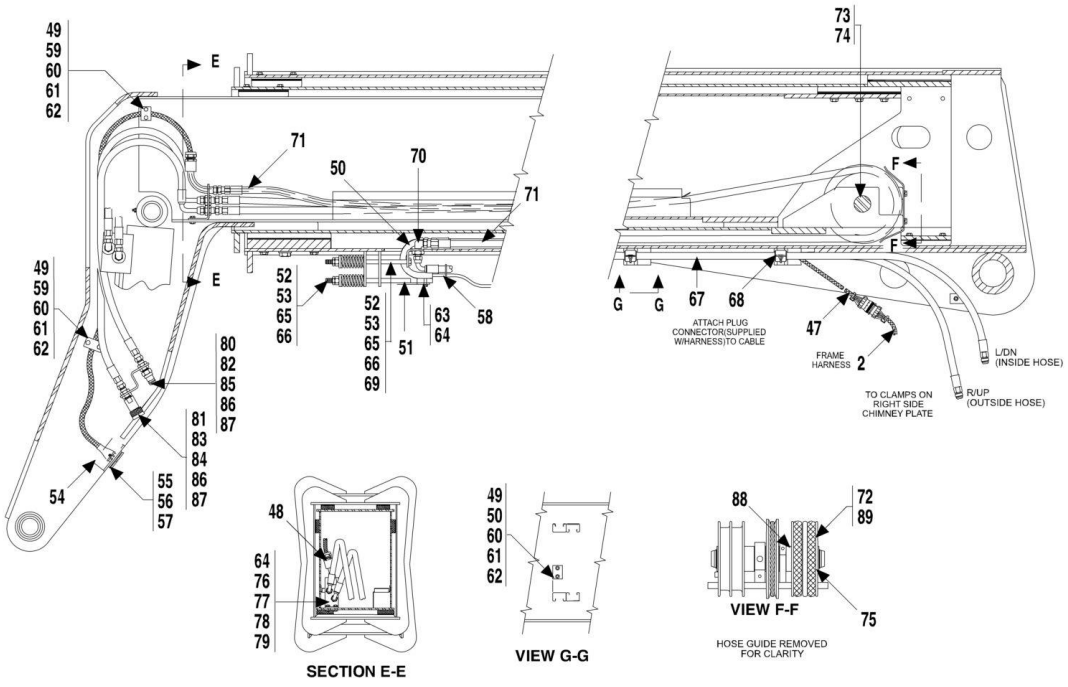
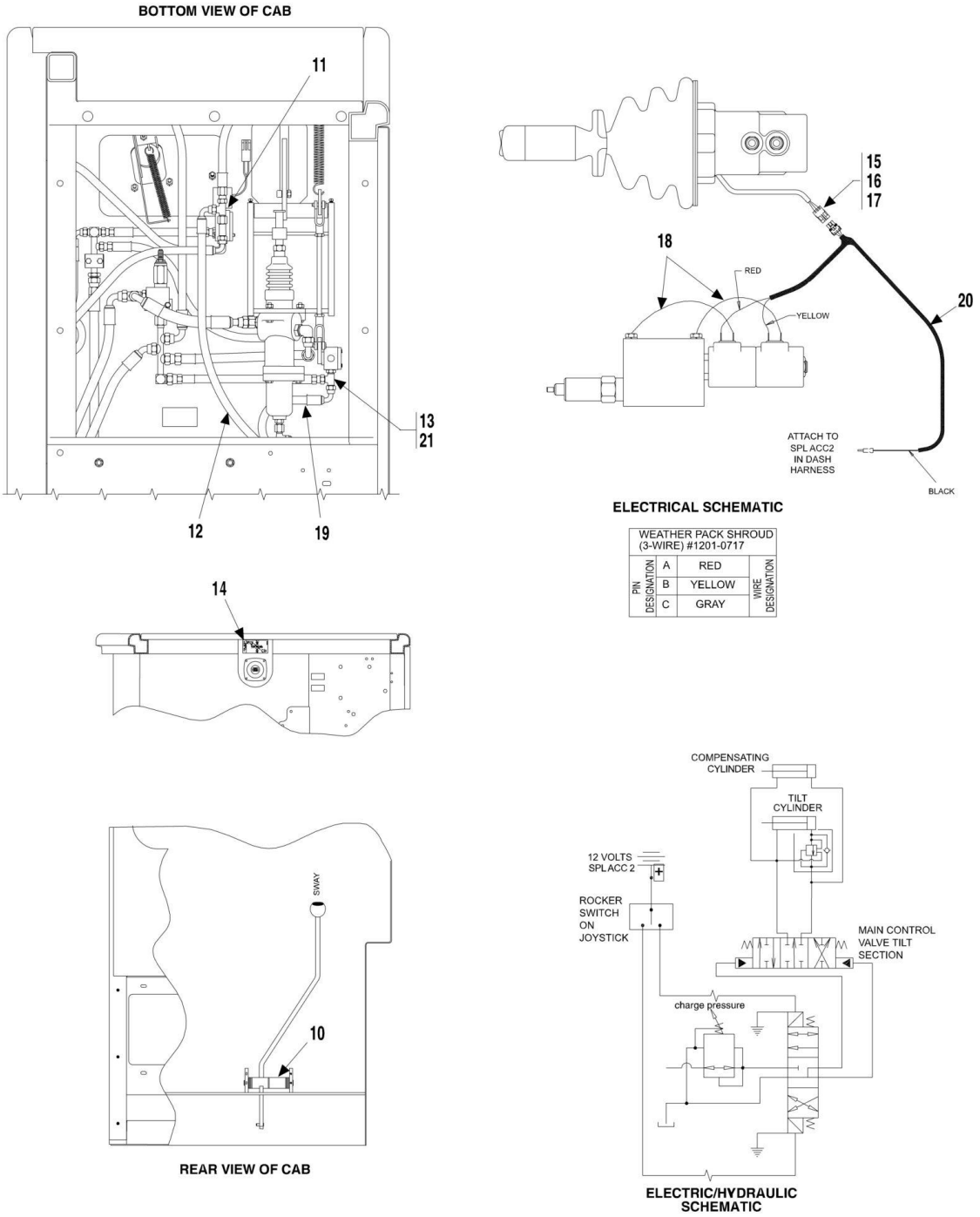

SECTION E-E
VIEW G-G
VIEW F-F
HOSE GUIDE REMOVED FOR CLARITY
ATTACH PLUG CONNECTOR(SUPPLIED W/HARNESS)TO CABLE
FRAME HARNESS
TO CLAMPS ON RIGHT SIDE CHIMNEY PLATE
L/DN (INSIDE HOSE)
R/UP (OUTSIDE HOSE)

FIGURE 12-44. AUXILIARY HYD ELECTRONICS W/LH TILT/SWAY (Prior to SN 0160027771)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345018	1	AUX HYD/ELEC W/LH TILT/SWAY, (includes all items)	
1	88551010	3	LOCKWASHER, 5/16	
2	91143105	1	AUXILIARY WIRING HARNESS	
3	90027187	19	NYLON TIE	
4	88501005	2	HEX NUT, 5/16-18	
5	88821002	1	ADJUSTABLE YOKE END, 1/4-28, LIGHT SERIES	
6	88633001	1	YOKE PIN, 1/4	
7	88631302	1	COTTER PIN, 1/16X3/4	
8	88501404	4	HEX JAM NUT, 1/4-28	
9	91123050	1	PUSH-PULL CABLE	
10	91123062	3	CABLE ADAPTER BONNET	
11	91341007	1	CABLE BRACKET	
12	88201019	2	HEX HD CAPSCREW, 5/16-18X7/8, GR5	
13		Ref	MAIN CONTROL VALVE, (See MAIN CONTROL VALVE for Breakdown)	
14	84718685	1	HOSE ASSY	
15	90207463	2	CUSHION CLAMP	
16	91163096	1	TUBE ASSY	
17	91163097	1	TUBE ASSY	
18	84718686	1	HOSE ASSY	
19	91341019	1	SENSOR PLATE	
20	80363036	2	PROXIMITY SENSOR	
21		Ref	5-BUTTON HANDLE ASSY, (See BUTTON AUXILIARY HANDLE ASSEMBLY for Breakdown)	
22	91346004	1	PIN WELDMENT	
23	88201018	1	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
24	91346010	1	ACTUATOR WELDMENT	
25	913D1018	1	CLAMP HALF	
26	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
27	88501004	2	HEX NUT, 1/4-20	
28	88551009	5	LOCKWASHER, 1/4	
29	90028662	2	WAVE BEND WASHER	
30	91083107	1	REMOTE VALVE CONTROL	
30	91084282	1	KNOB	
30	91084359	1	BOOT	
31	91363041	1	TILT/SWAY GUIDE PLATE	
32	88211044	4	SOCKET HD CAPSCREW, 1/4-20X1-1/2, GR8	
33	91343026	1	AUX CONTROL DECAL	
34	91341022	1	JUMPER WIRE	
35	91341021	2	JUMPER WIRE	
36	91343054	1	WIRING HARNESS	
37	77383410	2	RELAY	
38	88561105	2	FLAT WASHER, #10	
39	88301088	2	ROUND HD MACHINE SCREW, #10-24X3/8	
40	2220471	1	ELBOW, 90, (swivel nut), (long)	
41	2220375	2	CONNECTOR, (includes item 46)	
42	88662106	1	ELBOW, 90, (swivel nut)	
43	91346003	1	TILT/SWAY BRACKET WELDMENT	
44	11002410	3	HEX HD CAPSCREW, 1/4-28X4-1/2	
45	91363043	2	CONTROL CABLE	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	88591207	2	O-RING	
47	91143373	1	AUX BOOM HARNESS	
48	91143141	1	CORD CONNECTOR	
49	85611274	5	WELD STUD, 1/4-20X3/4	
50	91366015	1	CABLE TAKE-UP WELDMENT	
51	91126032	1	CABLE TAKE-UP SUPPORT	
52	91123054	3	COMPRESSION SPRING	
53	91121134	3	SPRING RETAINER	
54	91121283	1	RECEPTACLE BRACKET	
55	90207661	1	6 CONTACT SOCKET	
56	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
57	88521304	2	HEX LOCKNUT, 1/4-20	
58	90027187	8	NYLON TIE	
59	91203039	5	CLAMP SUPPORT	
60	88561107	5	FLAT WASHER, 1/4	
61	88551009	5	LOCKWASHER, 1/4	
62	88501004	5	HEX NUT, 1/4-20	
63	88201017	2	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
64	88551010	4	LOCKWASHER, 5/16	
65	88501008	3	HEX NUT, 1/2-13	
66	88501108	3	HEAVY HEX JAM NUT, 1/2-13	
67	84719018	2	HOSE ASSY	
68	90207463	6	CUSHION CLAMP	
69	91146028	2	HOSE TAKE-UP WELDMENT	
70	90027180	2	90, BULKHEAD FITTING	
71	84719575	3	HOSE ASSY	
72	91343213	1	HOSE SHEAVE	
73	91141144	1	RETRACT SHEAVE PIN	
74	88581149	1	EXTERNAL RETAINING RING	
75	91041449	1	THRUST WASHER	
76	91346011	1	BRACKET WELDMENT	
77	90027176	2	STR THD BULKHEAD FITTING	
78	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
79	88501005	2	HEX NUT, 5/16-18	
80	84718385	1	HOSE ASSY	
81	84718557	1	HOSE ASSY	
82	90204244	1	MALE HYDRAULIC COUPLER	
83	90204245	1	FEMALE HYDRAULIC COUPLER	
84	91043125	1	DUST PLUG	
85	91043126	1	DUST CAP	
86	91043321	2	STR BULKHEAD FITTING	
87	88712304	2	REDUCING BUSHING	
88	91141158	1	SPACER	
89	91343212	2	HOSE SHEAVE	

FIGURE 12-45. ADJUSTABLE TILT ON JOYSTICK



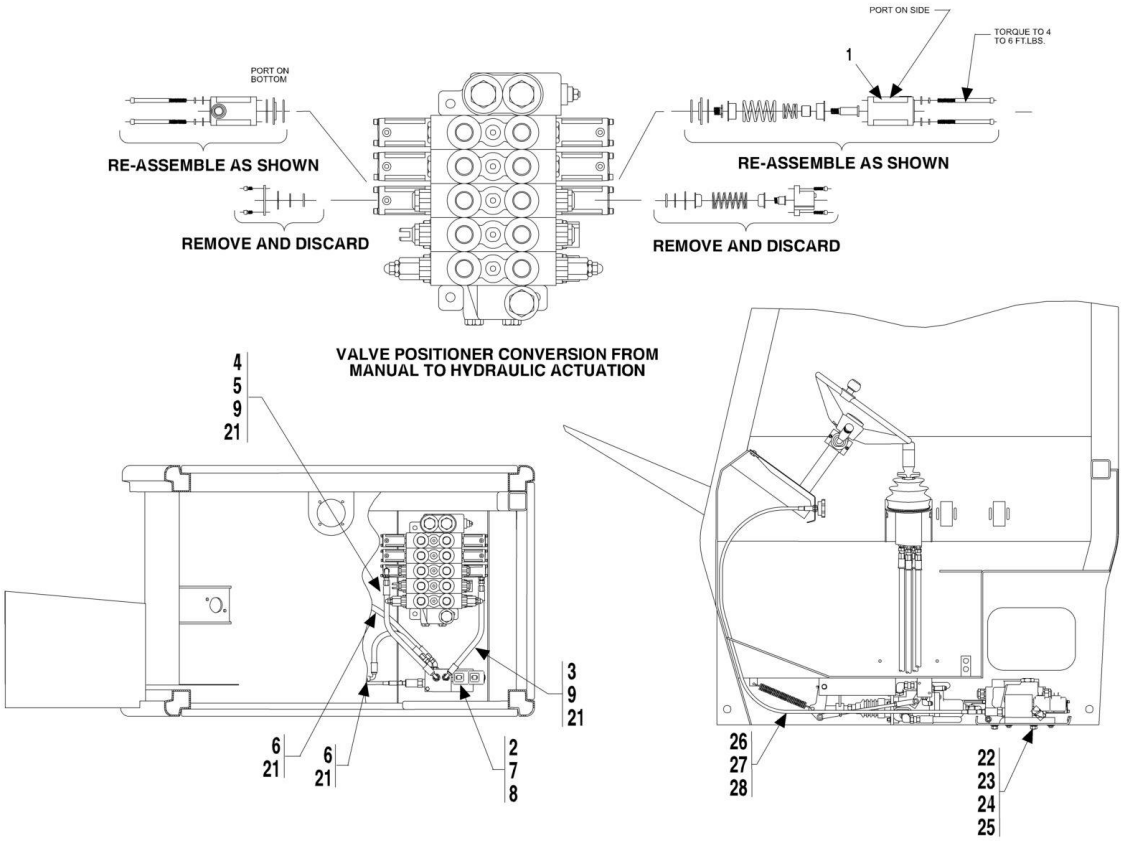

PORT ON SIDE
TORQUE TO 4 TO 6 FT.LBS.
1
PORT ON BOTTOM
RE-ASSEMBLE AS SHOWN
RE-ASSEMBLE AS SHOWN
REMOVE AND DISCARD
REMOVE AND DISCARD
VALVE POSITIONER CONVERSION FROM MANUAL TO HYDRAULIC ACTUATION
4
5
9
21
3
9
21
6
21
6
21
2
7
8
26
27
28
22
23
24
25

FIGURE 12-45. ADJUSTABLE TILT ON JOYSTICK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365021	1	ADJUSTABLE TILT ON JOYSTICK, (if equipped), (includes all items)	C
1	91033483	1	HYD VALVE POSITION KIT	
2	91163236	1	COMBINATION VALVE	
3	84719163	1	HOSE ASSY	
4	84719167	1	HOSE ASSY	
5	2220473	1	ELBOW, 90, (includes item 21)	
6	2220501	2	ELBOW, 45, (includes item 21)	
7	88201015	2	HEX HD CAP SCREW, 1/4-20X3-1/2, GR5	
8	88551009	2	LOCKWASHER, 1/4	
9	2220371	3	CONNECTOR, (includes item 21)	
10	91301020	1	SPACER	
11	2220635	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
12	84719166	1	HOSE ASSY	
13	2220606	1	RUN TEE, (includes item 21)	
14	91303041	1	BOOM CONTROL DECAL	
15	80963060	1	W. PACK CONNECTOR, (shroud)	
16	80963069	3	W. PACK CONNECTOR, (male pin)	
17	91143187	3	W. PACK CONNECTOR, (cable seal)	
18	90207719	2	JUMPER WIRE-GREEN	
19	84717295	1	HOSE ASSY	
20	91083490	1	JOYSTICK HARNESS	
21	88591204	7	O-RING	
22	91361019	1	MOUNTING PLATE	
23	88201019	2	HEX HD CAPSCREW, 5/16-18X7/8, GR5	
24	88551010	2	LOCKWASHER, 5/16	
25	88561003	2	FLAT WASHER, 5/16	
26	91163242	1	PANEL MOUNT FLEXIBLE SHAFT	
27	91363055	1	CONTROL KNOB	
28	91363056	1	CONTROL DECAL	

FIGURE 12-46. FUEL/WATER SEPARATOR INSTALLATION

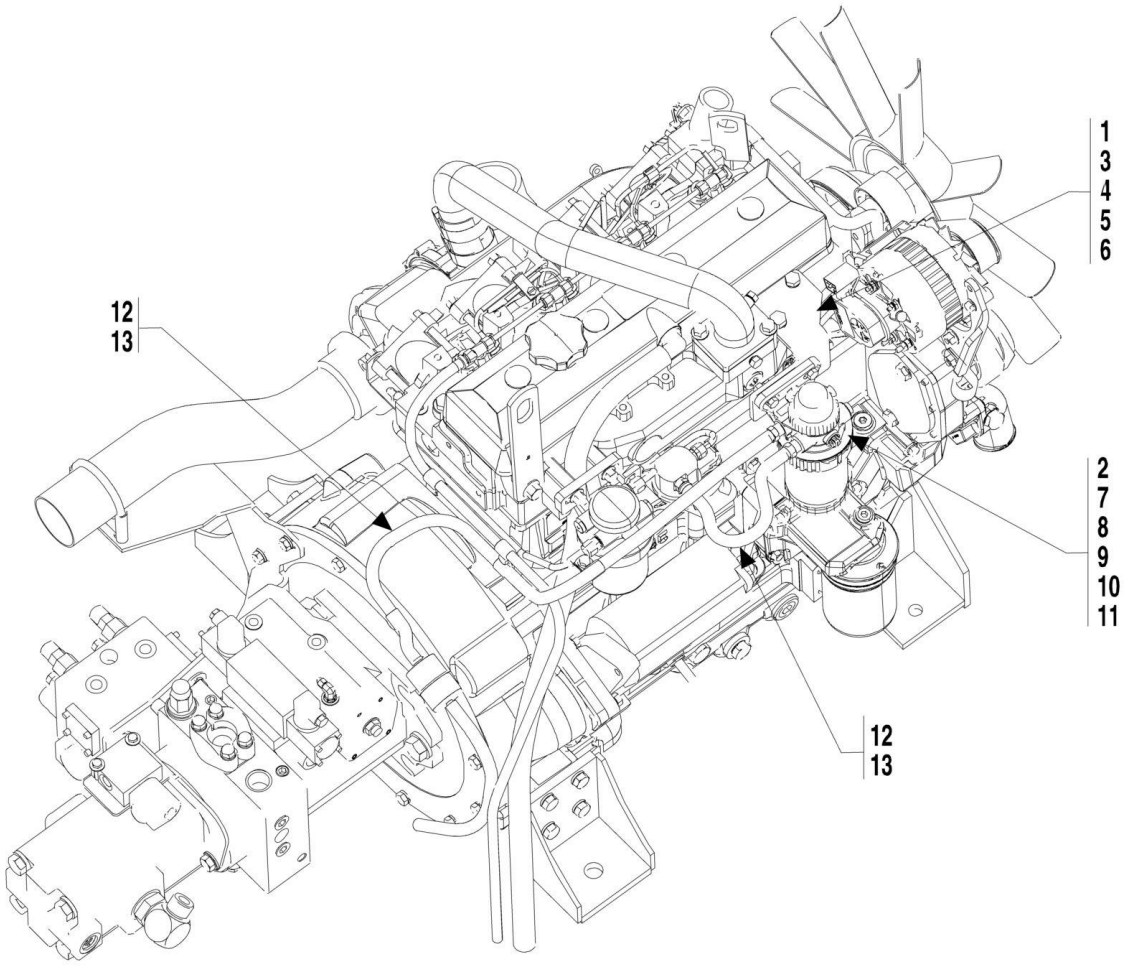


FIGURE 12-46. FUEL/WATER SEPARATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535022	1	FUEL/WATER SEPARATOR INSTALLATION, (includes all items)	B
1	91531026	1	FILTER BRACKET	
2	91473240	1	FUEL/WATER SEPARATOR	
2	91474633	1	FUEL/WATER SEPARATOR ELEMENT	
2	91474634	1	WATER COLLECTION BOWL	
2	91474635	1	REVERSE FLOW HAND PRIMER	
3	4832000	1	LOCKWASHER, 10mm	
4	4832100	1	LOCKWASHER, 12mm	
5	0761012	1	HEX HD CAPSCREW, M10X1.5X25, GR5	
6	0761212	1	HEX HD CAPSCREW, M12X1.75X25, GR5	
7	4761500	2	LOCKWASHER, 5/16	
8	3311501	2	HEX NUT, 5/16-18	
9	0641510	2	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
10	2200233	2	SOCKET HD PIPE PLUG, (ports #3 & #4)	
11	2221114	2	BARBED FITTING, (ports #1 & #2)	
12	1320022	4	HOSE CLAMP	
13	2750532	3.83 in	FUEL LINE, 3/8	

FIGURE 12-47. BEACON LIGHT PACKAGE (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160012694, Excluding 0160012704; 534D-10 SN 0366001 through 0366533; SN 534D through 10, SN 0160000128 through 0160012696, Excluding 0160012289)

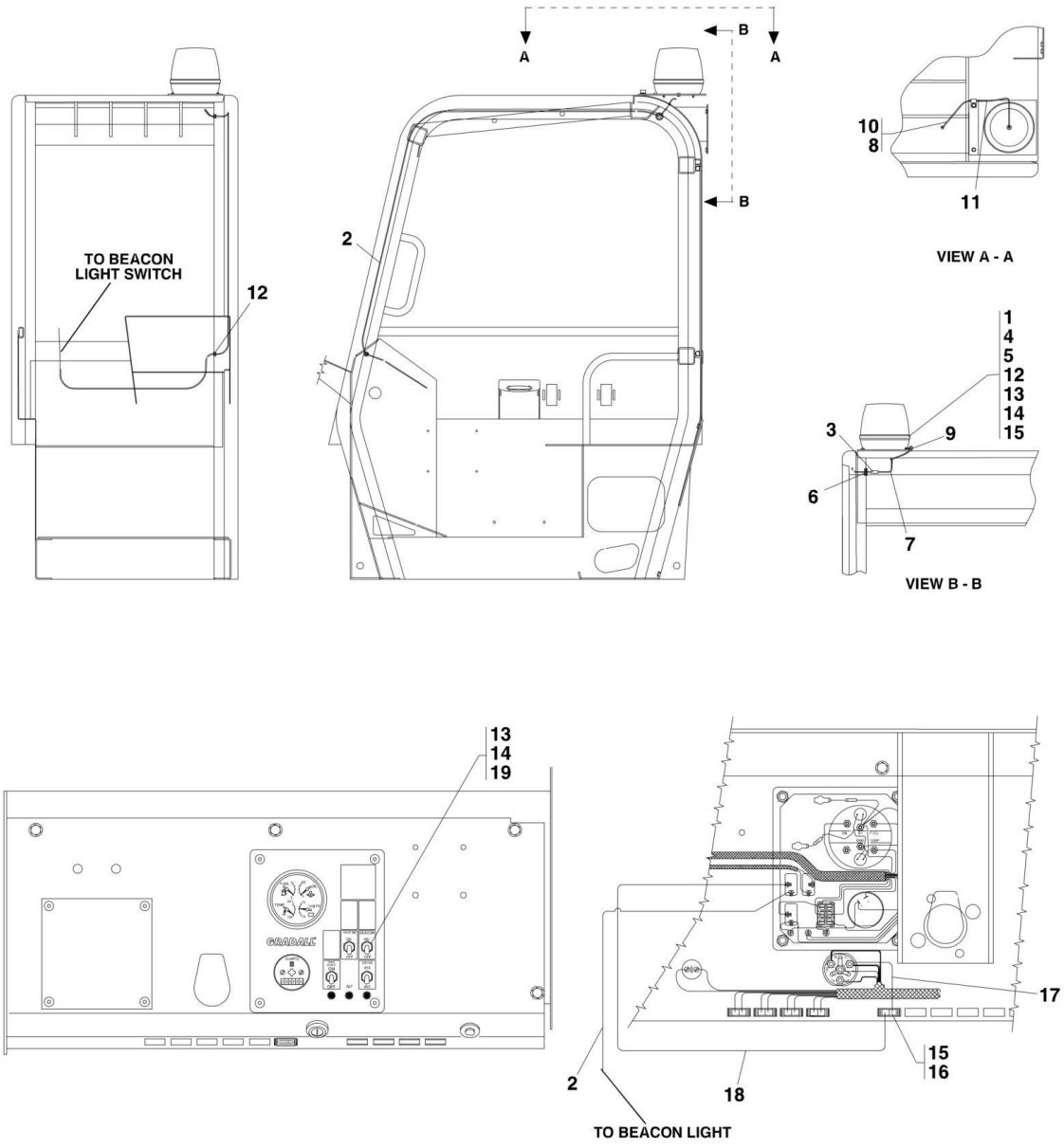


FIGURE 12-47. BEACON LIGHT PACKAGE (534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160012694, Excluding 0160012704; 534D-10 SN 0366001 through 0366533; SN 534D through 10, SN 0160000128 through 0160012696, Excluding 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91345013	1	BEACON LIGHT PACKAGE, (includes all items)	G
1	91343031	1	ROTATING BEACON	
1	91344053	1	BULB	
2	91121151	1	JUMPER WIRE	
3	86683480	1	BUTT CONNECTOR	
4	91341012	1	BEACON BRACKET	
5	90027319	2	SELF-TAPPING SCREW, 1/4-20X1	
6	91033380	1	RUBBER GROMMET	
7	90029955	1	RUBBER GROMMET	
8	82033996	12 in	WIRE LOOM	
9	90021705	1	SUPPORT CLAMP	
10	91053419	2	TIE WRAP	
11	91341013	1	JUMPER WIRE	
12	90027214	2	RUBBER GROMMET	
13	77383467	1	TOGGLE - SPST	
14	77383470	1	BOOT	
15	91143108	1	FUSE HOLDER	
16	77363267	1	FUSE, (10 amp)	
17	91141259	1	JUMPER WIRE	
18	91121216	1	JUMPER WIRE	
19	91123177	1	BEACON DECAL	

FIGURE 12-48. BEACON LIGHT PACKAGE (534D-9 SN 0160012763 to Present, Including 0160012704; 534D-10 SN 0160012758 to Present, Including 0160012289)

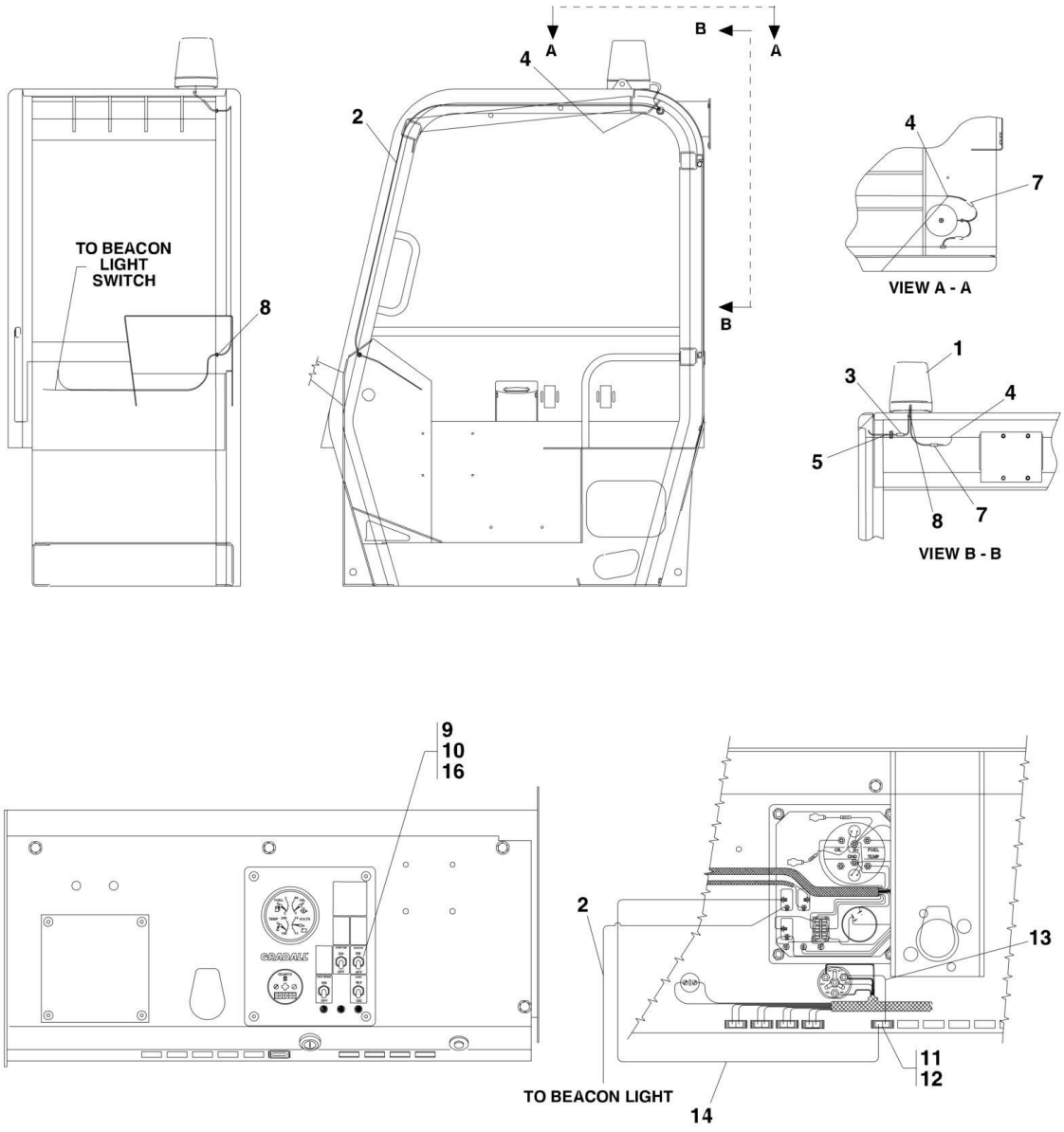


FIGURE 12-48. BEACON LIGHT PACKAGE (534D-9 SN 0160012763 to Present, Including 0160012704; 534D-10 SN 0160012758 to Present, Including 0160012289)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274689	1	BEACON LIGHT PACKAGE, (includes all items)	A
1	8500066	1	ROTATING BEACON	
1	7029524	1	BULB	
2	91121151	1	JUMPER WIRE	
3	86683480	1	BUTT CONNECTOR	
4	88321022	1	SELF-TAPPING SCREW, #8-32X3/8	
5	91033380	1	RUBBER GROMMET	
6	91053419	2	TIE WRAP, (not shown)	
7	4923310	1	JUMPER WIRE	
8	91033425	2	RUBBER GROMMET	
9	77383467	1	TOGGLE - SPST	
10	77383470	1	BOOT	
11	91143108	1	FUSE HOLDER	
12	77363267	1	FUSE, (10 amp)	
13	91141259	1	JUMPER WIRE	
14	91121216	1	JUMPER WIRE	
16	91123177	1	BEACON DECAL	

FIGURE 12-49. CAB REPLACEMENT SERVICE KIT

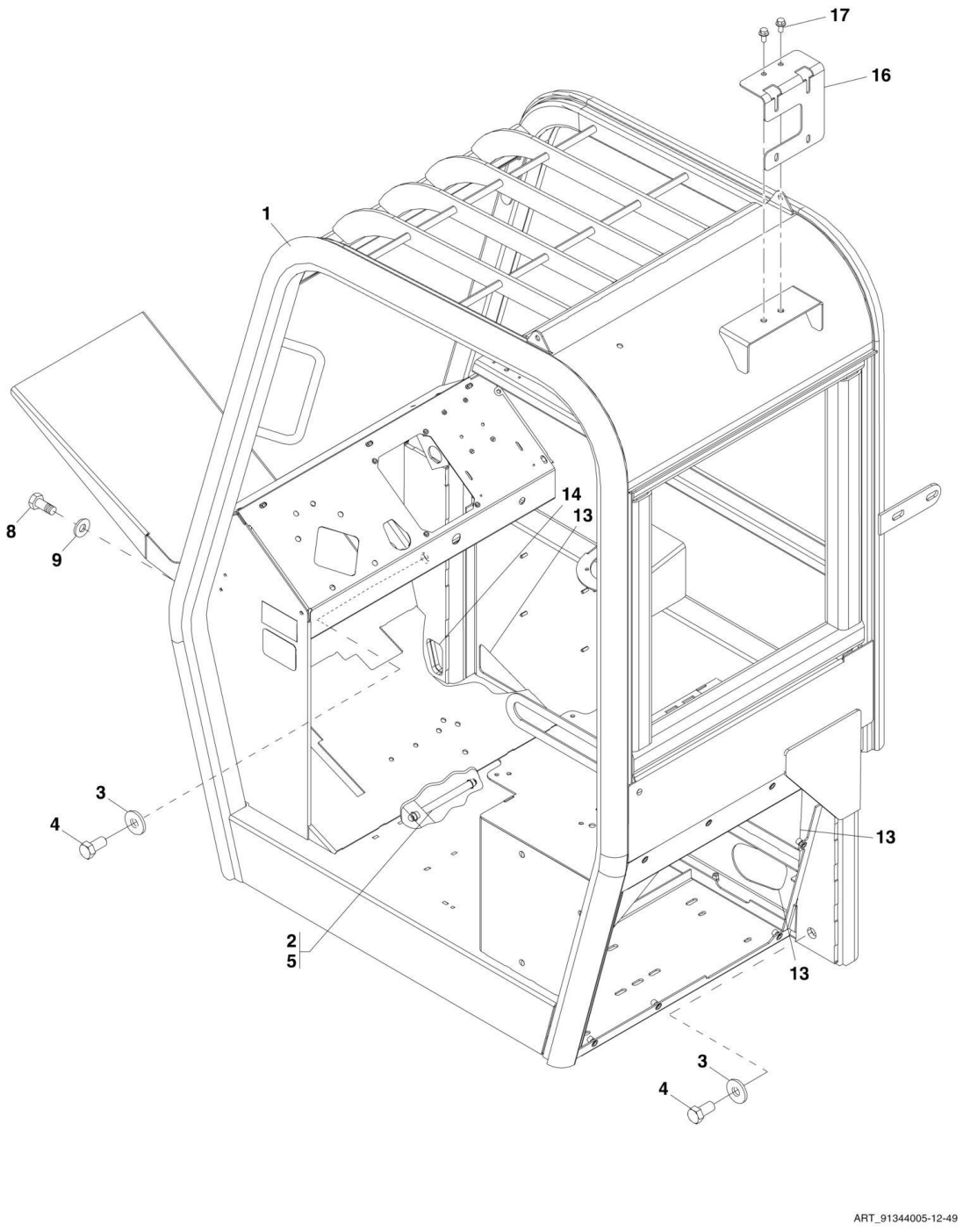
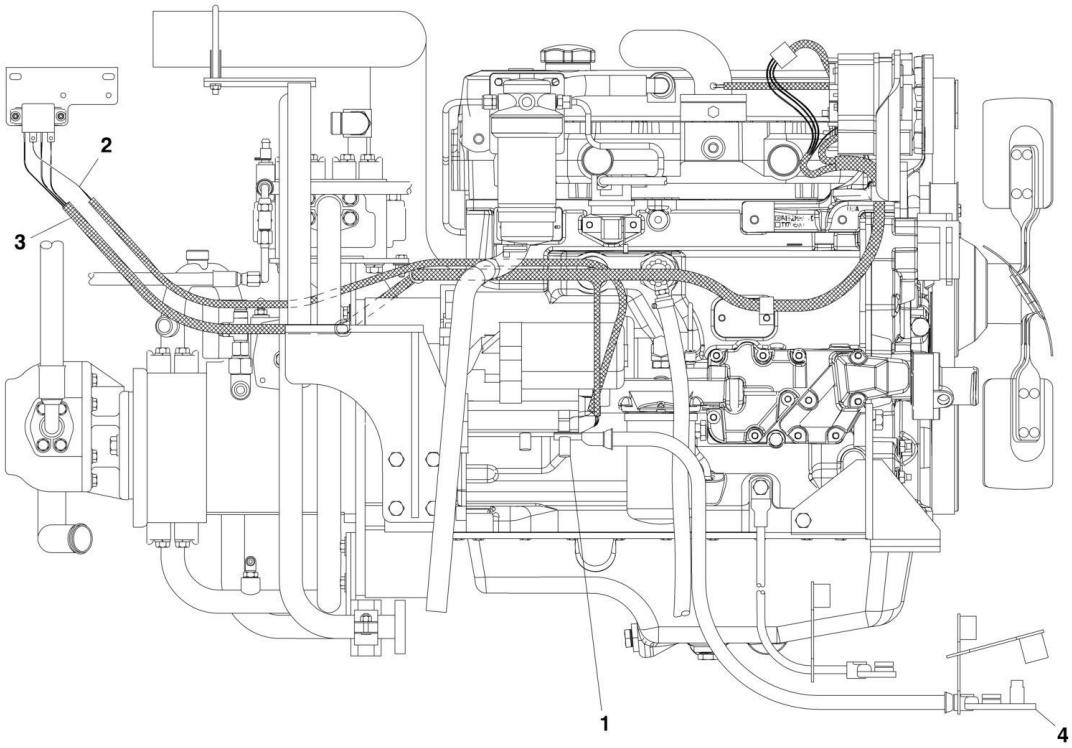


FIGURE 12-49. CAB REPLACEMENT SERVICE KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2915047	1	OPEN CAB REPLACEMENT SERVICE KIT, (includes items 1 thru 5, 8, 9, 13, 14, 16 & 17)	E
	2915048	1	CLOSED CAB REPLACEMENT SERVICE KIT, (includes items 1 thru 6, 8, 9, 13, 14, 16 & 17)	E
1		Ref	open cab weldment, (See CAB SECTION for Breakdown)	
2	3423212	1	BRAKE PEDAL PIVOT PIN	
3	4892500	4	FLAT WASHER, 7/8	
4	83201158	4	HEX HD CAPSCREW, 7/8-9X1-3/4, GR8	
5	88581303	2	INVERTED EXT RETAINING RING	
6		Ref	CAB ENCLOSURE KIT, (not shown), (See CAB SECTION for Breakdown), **(534D-9 SN 0160012443 to Present, Including 0160012112; 534D-10 SN 0160012446 to Present, Including 0160012289)**	
8	0641510	4	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
9	4751500	4	FLAT WASHER, 5/16	
13	90206196	68	TRIM-LOK, 1/8 IN	
14	90206202	17	TRIM-LOK, 3/8 IN	
16	1001104436	1	AIR CLEANER SUPPORT BRACKET	
17	0791606	2	SCREW, 3/8-16X3/4	

FIGURE 12-50. STARTER KIT (534D-9 SN 0160006861 to Present; 534D-10 SN 0160006855 to Present)



NOTE:

91553030 STARTER NO LONGER AVAILABLE. ORDER 91555025 STARTER KIT FOR REPLACEMENT.

PAP19940

FIGURE 12-50. STARTER KIT (534D-9 SN 0160006861 to Present; 534D-10 SN 0160006855 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91555025	1	STARTER KIT, (includes all items)	C
1	91534010	1	DEERE/DENSO STARTER	
2	91553066	1	WIRE JUMPER	
3		Ref	ENGINE HARNESS, (See ELECTRICAL SECTION for Breakdown)	
4		Ref	POSITIVE BATTERY CABLE, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 12-51. PINTLE HOOK INSTALLATION

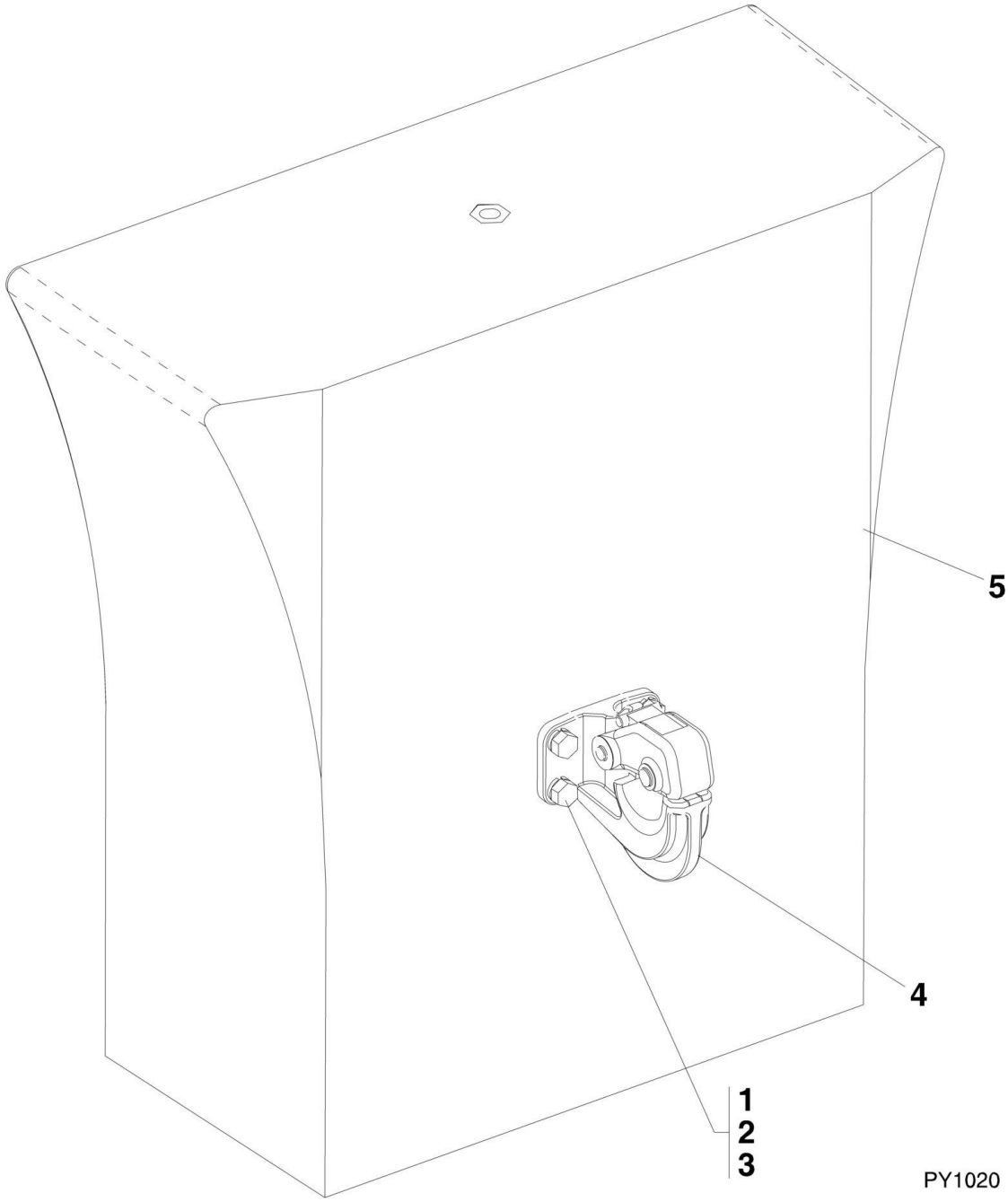


FIGURE 12-51. PINTLE HOOK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001097095	1	PINTLE HOOK INSTALLATION, (includes all items)	B
1	0100011	AR	LOCTITE 242	
2	0681814	4	HEX HD CAPSCREW, 1/2-13X1-3/4	
3	88551013	4	LOCKWASHER, 1/2	
4	90200602	1	PINTLE HOOK	
5		Ref	COUNTERWEIGHT, (See FRAME AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 12-52. COLD START INSTALLATION (SN 0160001166 to Present)

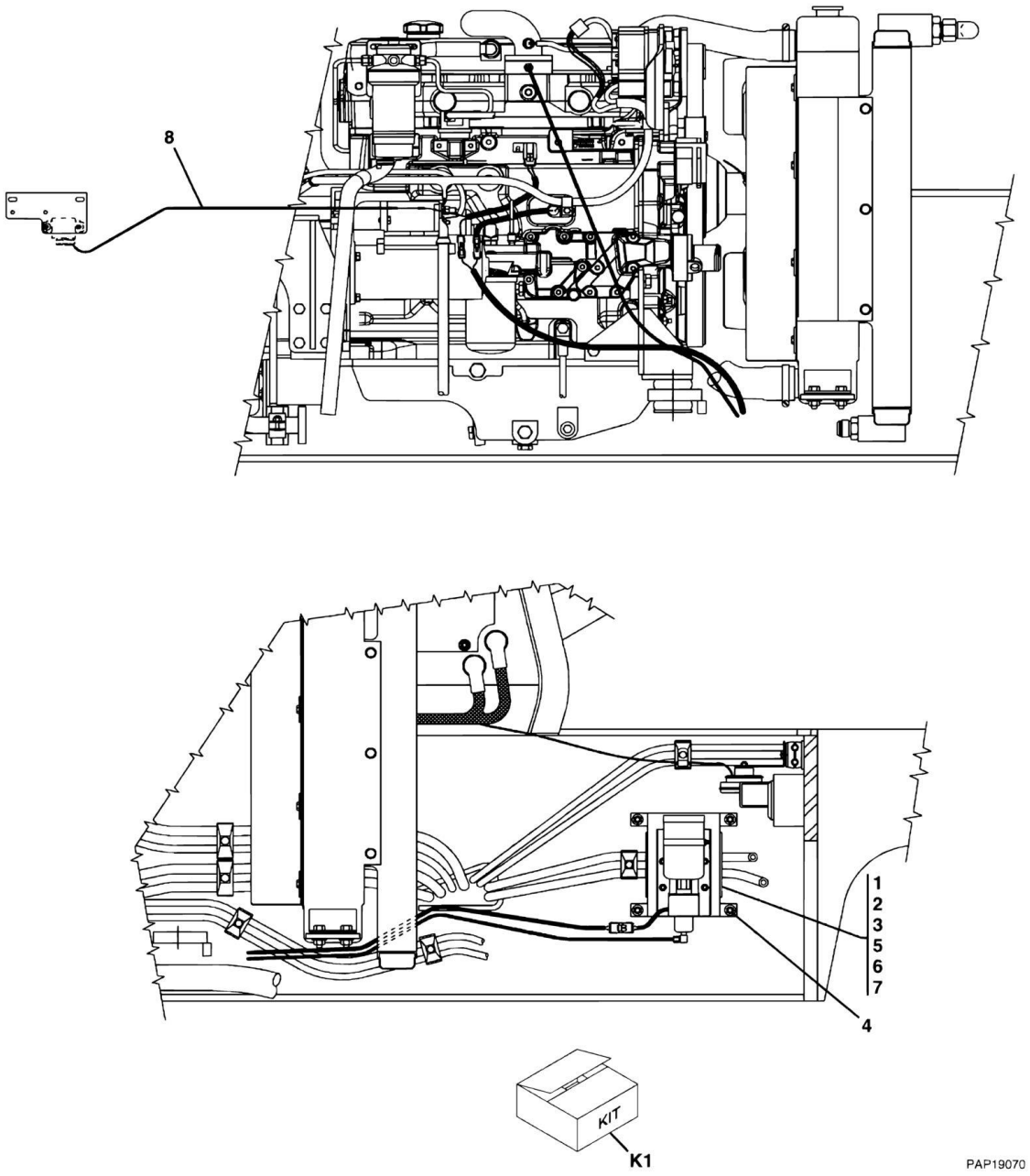


FIGURE 12-52. COLD START INSTALLATION (SN 0160001166 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91535009	1	COLD START INSTALLATION, (includes item 1 thru 8)	B
1	91551036	1	COLD START MOUNTING BRACKET	
2	90206198	10 in	TRIM-LOK	
3	14402248	AR	3M ADHESIVE	
4	77143006	4	WHIZ-LOCKNUT, 5/16-18	
5	88201004	4	HEX HD CAPSCREW, 1/4-20X7/8	
6	88501004	4	HEX NUT, 1/4-20	
7	88551009	4	LOCKWASHER, 1/4	
8	91553071	1	WIRE COLD START	
K1	91403295	1	COLD START KIT	

SECTION 13 - RECOMMENDED SPARE PARTS

SECTION 13 - RECOMMENDED SPARE PARTS

FIGURE 13-1. RECOMMENDED SPARE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	**Note: The following list will service fleets of machines (built to current production per date on the front cover) with repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.**	
		Ref	**BOOM ASSEMBLY**	
	84718372	1	Tilt Cyl Hose	
	84718373	1	Tilt Cyl Hose	
	84718868	2	Boom Hose **(534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)**	
	84721049	2	Boom Hose **(534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)**	
	91143024	1	Hose Sheave **(534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)**	
	91343223	1	Hose Sheave **(534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)**	
	91033185	2	Bearing Pad	
	91033186	8	Bearing Pad	
	91123019	6	Bearing Pad	
	91123021	2	Bearing Pad	
	91143168	8	Bearing Pad **(534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)**	
	1001117651	8	Bearing Pad **(534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)**	
	91121023	AR	Shim, .0598	
	91121024	AR	Shim, .0359	
	91121157	AR	Shim, .132	
	91121082	AR	Shim, .0598	
	91141302	AR	Shim, .0598	
	90205870	AR	Shim, .0598 **(534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)**	
	91361048	AR	Shim, .0598 **(534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)**	
	91121083	AR	Shim, .0598 **(534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)**	
	91361049	AR	Shim, .0598 **(534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)**	
	91031236	10	Spacer, .0598	
	91121083	4	Spacer, .0598	
	91141303	8	Spacer, .0598	
	91033187	1	Bearing Pad, Push Beam	
	91146028	2	Hose Take-Up Weldment **(534D-9 SN 0544001 through 0644118; 534D-10 SN 0366001 through 0366088)**	
	91166068	2	Hose Take-Up Weldment **(534D-9 SN 0644119 to Present; 534D-10 SN 0366089 to Present)**	
	91123054	2	Hose Take-Up Springs	
	91086151	1	Plunger Weldment **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	
	90207902	1	Quick Release Pin **(534D-9 Prior to SN 0160038519; 534D-10 Prior to SN 0160038445)**	
	1001105441	1	Quick Switch Lock Pin **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2940074	1	Latch	
		Ref	**ENGINE**	
	91365008	NLA	250 HOUR FILTER KIT, (no longer available to order, use 1001220559 for replacement) (includes the following items) **(534D-9 SN 0544001 through 0544399; 534D-10 SN 0366001 through 0366342)**	
	1001220559	1	FILTER KIT, (includes the following items)	
	91365042	1	250 Hour Cummins Engine Filter Kit **(534D-9 SN 0544400 through 074407, SN 0160000112 through 0160000853, Excluding 0160000700; 534D-10 SN 0366343 through 0366533, SN 0160000125 through 0160000974)**	
	91535011	1	250 Hour John Deere Engine Filter Kit, (9 in air cleaner) **(534D-9 SN 0160001051 to Present, Including 0160034957; 534D-10 SN 0160000978 to Present)**	
	1001113718	1	250 Hour Cummins Engine Filter Kit **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
	1001128952	1	1000 Hour Cummins Engine Filter Kit **(534D-9 SN 0544001 through 0544399; 534D-10 SN 0366001 through 0366342)**	
	1001128961	1	1000 Hour Cummins Engine Filter Kit **(534D-9 SN 0544400 through 074407, SN 0160000112 through 0160000853, Excluding 0160000700; 534D-10 SN 0366343 through 0366533, SN 0160000125 through 0160000974)**	
	2915180	1	1000 Hour John Deere Engine Filter Kit, (9 in air cleaner) **(534D-9 SN 0160001051 to Present, Including 0160034957; 534D-10 SN 0160000978 to Present)**	
	1001113510	1	1000 Hour John Deere Engine Filter Kit, (10 in air cleaner) **(534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)**	
	1001113719	1	1000 Hour Cummins Engine Filter Kit **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
	86541381	1	Fuel Tank Cap	
	91553009	1	Fan, John Deere **(534D-9 Prior to SN 0160035983; 534D-10 Prior to SN 0160035696)**	
	91143329	1	Fan, Cummins **(534D-9 SN 0160010211 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)**	
	1001104525	1	Fan, Cummins **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
	91084162	1	Alternator Belt, Cummins **(534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160000853, Excluding 0160000700; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 0160000974)**	
	80374015	1	Alternator Belt, John Deere **(534D-9 SN 0160001051 through 0160035941, Including 0160010082 and 0160010093, Excluding 0160034957; 534D-10 SN 0160000978 through 0160034816)**	
	70021807	1	Alternator Belt, Cummins **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
	91404085	1	Dipstick, John Deere **(534D-9 Prior to SN 0160035983; 534D-10 Prior to SN 0160035696)**	
	70023299	1	Dipstick, Cummins, (used with 800mm dipstick) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
	70021798	1	Dipstick, Cummins, (used with 200mm dipstick) **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	
		Ref	**DRIVE TRAIN**	

SECTION 13 - RECOMMENDED SPARE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91363025	1	FNR Shifter	
	91364036	2	Bushing **(534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)**	
	91364035	2	Sealing Ring **(534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)**	
	91364079	2	Hub Seal **(534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)**	
	91364080	4	Hub Bearing **(534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)**	
	91474155	2	Hub O-Ring **(534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)**	
	91414004	2	Rear Boot Seal **(534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)**	
	91414005	2	Rear Hub Oil Seal **(534D-9 SN 0160000447 to Present; 534D-10 SN 0160000448 to Present)**	
		Ref	**HYDRAULIC SYSTEM**	
	91303037	1	Boom Joystick	
	80934656	1	Boom Joystick Handle Assy	
	91144249	1	Lift Cyl Seal Kit **(534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160017475; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 0160017312)**	
	70024336	1	Lift Cyl Seal Kit **(534D-9 SN 0160017506 to Present; 534D-10 SN 0160017511 to Present)**	
	91144003	1	Crowd Cyl Seal Kit	
	91144004	1	Tilt Cyl Seal Kit **(534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)**	
	70022538	1	Tilt Cyl Seal Kit **(534D-9 SN 0160033414 through 0160038519; 534D-10 SN 0160033245 through 0160038445)**	
	70022125	1	Tilt Cyl Seal Kit **(534D-9 SN 0160038519 to Present; 534D-10 SN 0160038445 to Present)**	
	91144004	1	Comp Cyl Seal Kit **(534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)**	
	70022538	1	Comp Cyl Seal Kit **(534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present)**	
	91144005	1	Sway Cyl Seal Kit **(534D-9 Prior to SN 0160033414; 534D-10 Prior to SN 0160033245)**	
	70022515	1	Sway Cyl Seal Kit **(534D-9 SN 0160033414 to Present; 534D-10 SN 0160033245 to Present)**	
	91144006	2	Steering Cyl Seal Kit **(534D-9 SN 0544001 through 0160032945; 534D-10 SN 0366001 through 0160032847)**	
	70021909	1	Steering Cyl Seal Kit **(534D-9 SN 0160033136 to Present; 534D-10 SN 0160033245 to Present)**	
	91144004	2	Outrigger Cyl Seal Kit **(534D-10 SN 0366001 through 0366533; 534D-9 SN 0160017511 through 0160038773, SN 0160000125 through 0160017312)**	
	70023899	1	Outrigger Cyl Seal Kit, (For Service Only)	
	2120168	2	Hydraulic Filter Element	
	91083301	1	Tank Filter	
	91083069	1	Filler/Breather	
	91083070	1	Fluid Level Gauge	
	91084022	1	Color Coded Gauge	
		Ref	**ELECTRICAL**	
	91553044	1	Accelerator Pedal **(534D-9 Prior to SN 0160035983, Excluding 0160034957; 534D-10 Prior to SN 0160035696)**	
	3400022	1	Accelerator Pedal **(534D-9 SN 0160035983 to Present, Including 0160034957; 534D-10 SN 0160035696 to Present)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143314	1	Water Temp. Sender	
	24741047	1	Oil Press Switch	
	91553045	1	Oil Press Sender	
	91143316	1	Fuel Level Sender	
	77383377	1	Starter Relay	
	91033317	1	Ignition Switch	
	1001108293	1	Alternator	
	1001108291	1	Regulator	
	91083456	1	Starter **(534D-10 SN 0366001 through 0366016, SN 0366017 through 0366053, SN 0366054 through 0366187, SN 0366188 through 0366533, SN 0160000125 through 0160000974)**	
	91553030	1	Starter **(SN 0160001051 through 0160006861, SN 0160000978 through 0160006664, Including 0160000700)**	
	90402427	1	Starter Solenoid **(534D-10 SN 0366017 through 0366053)**	
	91554031	1	Starter Solenoid **(SN 0160001051 through 0160006861, Including 0160000700)**	
	91403574	1	Back-up Alarm **(534D-9 Prior to SN 0160016762, Excluding 0160015300, 0160015301 and 0160015302; 534D-10 Prior to SN 0160016757)**	
	8270621	1	Backup Alarm **(534D-9 SN 0160016762 to Present, Including 0160015300, 0160015301 and 0160015302; 534D-10 SN 0160016757 to Present)**	
	91143357	1	Horn	
		Ref	**MISC**	
	77384578	1	Ignition Key	
	80904003	1	Hydraulic Test Kit	
	24604083	1	ORS O-Ring Kit	
	90214009	1	O-Ring Kit	
	91344052	1	Owner/Operator Manual **(534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160003965; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 0160003965)**	
	31200169	1	Operation and Safety Manual **(SN 0160003966 to Present)**	
	91344004	1	Service Manual **(534D-9 SN 0544001 through 0744407, SN 0160000112 through 0160000446; 534D-10 SN 0366001 through 0366533, SN 0160000125 through 0160000446)**	
	31200170	1	Service Manual **(SN 0160000447 to Present)**	
		Ref	**SPECIAL TOOLS**	
		Ref	**Carraro Axles**	
	8035818	1	Wrench	
	70020309	1	Handle	
	7027857	1	Wrench	
	7027856	1	Wrench	
	8035819	1	Wrench	
	70020308	1	Backlash Measurement Tool	
	7029577	1	Driver	
	7029576	1	False Differential Box	
	7029578	1	Wrench	
	7029575	1	False Pinion	
	7029574	1	Bearing Insertion Kit	

PART NUMBER INDEX

00078041 86
00083046 86
0100011 41, 65, 115, 330, 815
0100019 21
0100048 ..... 192, 609
0100075 65
0240156 141
0274495 706
0274497 358
0274689 809
0400075 604
05101441 ..... 89, 91
0641404 ..... 216, 236, 485, 489, 611
0641405 ..... 138, 604
0641406 . 19, 23, 239, 378
0641412 451
0641414 424
0641418 435
0641422 459
0641506 451
0641508 273
0641510 ..... 24, 273, 463, 805, 811
0641511 604
0641514 ..... 451, 455, 483
0641524 133
0641526 531
0641607 ..... 61, 485, 490
0641608 .... 31, 55, 61, 604
0641610 ..... 239, 523
0641612 ..... 115, 489
0641614 239
0641618 465
0641628 ..... 486, 490
0641632 489
0641634 41
0641708 195
0641709 195
0641806 65
0641808 41, 59, 239, 495, 507, 511
0641810 585
0641818 795
0641820 279
0641822 279
0641824 489
0641828 61
0641832 ..... 621, 795
0642012 ..... 195, 273, 555
0642032 ..... 73, 115
0642218 261
0642640 24
0651605 ..... 51, 55
0651606 ..... 51, 55
0651607 ..... 51, 55
0651608 51
0651610 ..... 51, 55
0651612 55
0651806 51
0651807 51
0651808 51
0651810 ..... 51, 55
0651812 ..... 51, 55
0651818 47
0651820 47
0681606 279
0681714 ..... 195, 239
0681810 115
0681814 ..... 439, 815
0681830 196
0682238 195
0682244 59
0682414 24
0701015 239
0701017 239
0741610 115
0761012 805
0761016 239
0761212 805
0761215 604
0761216 195
0791504 23
0791505 23
0791508 279
0791512 21
0791605 604
0791606 811
0860520 137
0930020 143
09523572 289
1001001853 279
1001081306 368
1001081307 362
1001081308 362
1001081309 ..... 362, 368
1001081310 ..... 362, 368
1001081311 362
1001090063 115
1001090064 115
1001090134 593
1001090140 115
1001091045 24
1001091065 23
1001091068 295
1001091069 289
1001091071 289
1001091080 195
1001091082 195
1001091083 ..... 195, 239
1001091086 24
1001091104 301
1001091108 195
1001091109 195
1001091110 289
1001091458 19
1001091460 333
1001091698 239
1001091700 239
1001091701 239
1001091704 239
1001091705 239
1001092237 279
1001092238 279
1001092278 435
1001092280 137
1001092391 131
1001092481 137
1001092482 137
1001093140 138
1001093171 . 99, 101, 138
1001093273 141
1001093377 ..... 113, 141
1001093465 141
1001093467 23
1001093468 471
1001093469 471
1001093470 471
1001093471 471
1001093472 279
1001093473 279
1001093474 279
1001093475 279
1001093476 279
1001093477 279
1001093478 279
1001093561 24
1001093891 ..... 195, 273
1001093944 195
1001094330 141
1001094648 ..... 637, 651
1001094695 79
1001094830 141
1001095325 375
1001095326 615
1001095327 617
1001095336 604
1001095418 129
1001095810 138
1001096019 137
1001096020 137
1001096021 137
1001096023 137
1001096024 137
1001096025 137
1001096188 617
1001096306 137
1001096404 663
1001097072 137
1001097095 815
1001097168 138
1001097568 273
1001097989 611
1001098045 55
1001098136 497
1001098233 59
1001098383 59
1001098492 59
1001098582 138
1001098769 663
1001099034 23
1001099036 23
1001099113 115
1001099115 115
1001099173 31
1001099177 604
1001099178 604
1001099222 604
1001099265 604
1001099351 83
1001099579 497
1001099886 489
1001099901 77
1001099902 77
1001100095 489
1001100227 113
1001100755 59
1001100822 69
1001100823 69
1001100824 69
1001100973 489
1001101085 ..... 20, 23
1001101115 113
1001101116 113
1001101492 375
1001101493 615
1001101524 611
1001101757 273
1001101956 115
1001101980 620
1001102112 604
1001102378 115
1001102813 138
1001103182 591
1001103504 41
1001103637 137
1001103700 748
1001103730 137
1001103736 137
1001104436 811
1001104525 ..... 195, 821
1001104596 289
1001104620 435
1001104647 195
1001104863 289
1001104911 507
1001104987 604
1001104992 126
1001105241 289
1001105441 ..... 59, 820
1001105638 273
1001105639 273
1001105643 273
1001105689 239
1001105780 341
1001105781 341
1001105782 341
1001106038 636
1001106039 650
1001106063 637
1001106064 650
1001106088 637
1001106089 650
1001106113 637
1001106114 651
1001106138 637
1001106139 651
1001106164 ..... 134, 651
1001106185 651
1001106192 637
1001106193 651
1001106227 637
1001106228 651
1001106297 637
1001106298 651
1001108291 ..... 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 823
1001108293 ..... 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 823
1001108668 146
1001108669 150
1001109347 553
1001109478 363
1001110406 637
1001110407 651
1001110704 ..... 126, 129
1001111112 ..... 358, 378
1001111190 ..... 129, 146, 150
1001111243 651
1001112753 636
1001113510 ..... 172, 192, 821

1001113718 ..... 196, 821
1001113719 ..... 196, 821
1001114495 279
1001115867 358
1001116274 23
1001116439 529
1001116729 617
1001116747 617
1001116821 617
1001116975 617
1001117021 ..... 609, 611
1001117651 .... 47, 51, 55, 820
1001119106 617
1001120914 115
1001120915 115
1001128952 ..... 156, 160, 164, 176, 180, 184, 188, 821
1001128961 ..... 164, 168, 188, 821
1001132514 73
1001133072 115
1001143692 59
1001163414 595
1001220559 ..... 156, 160, 164, 176, 180, 184, 188, 821
1001301599 129
1001301600 129
10268516 ..... 285, 287
1040028 347
1060379 138
10701200 368
10719505 577
10837368 604
10837580 579
11002410 .. 408, 409, 686, 753, 760, 776, 798
1101312 .... 164, 165, 168, 172, 188, 192, 293
1101313 .... 164, 165, 168, 172, 188, 192, 293
11404793 461
1170020 73
1170021 73
1170023 73
1170024 73
1170026 73
1170027 73
1170054 115
1170057 115
1316794 126
1320022 ..... 279, 805
1320044 239
14401473 707
14402248 .15, 19, 23, 817
14403303 32
14403323 .... 66, 451, 495, 503
14403364 621
14403416 ..... 601, 604
14404043 621
14404102 32
14404595 ..... 32, 452, 461
14404645 ..... 15, 19
14404646 ..... 15, 19
14404793 .... 32, 485, 489, 503, 676, 686, 756, 760, 764, 772, 780, 784, 793, 795
14404978 32
1701509 138
1702773 137
1704277 ..... 133, 138
1704885 ..... 137, 636, 650
1706100 663
1706101 663
1706170 663
1706184 663
1706192 ..... 636, 657
1706193 ..... 650, 661
1706300 ..... 637, 651
1706892 ..... 133, 137
1706893 133
2000401 269
2060045 196
2080040 138
2080044 137
2080063 133
2080064 133
2110606 115
2110808 115
2120168 .... 156, 160, 164, 165, 168, 172, 176, 180, 184, 188, 189, 192, 555, 822
2131212 ..... 235, 239, 451
2151212 .... 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 239, 443, 447, 451
2160002 ..... 47, 59, 65
2172106 115
2180849 489
2200224 .... 199, 203, 209, 212, 219, 223, 229, 232, 307, 309, 550
2200233 805
2220008 748
2220009 748
2220067 748
2220070 748
2220224 737
2220242 ..... 550, 577, 735
2220273 239
2220342 795
2220345 555
2220362 104
2220371 .... 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 239, 305, 385, 389, 393, 415, 419, 423, 428, 432, 436, 442, 446, 451, 473, 475, 477, 529, 696, 802
2220372 .. 89, 91, 93, 105, 109, 467, 469, 471, 795
2220373 .... 79, 86, 93, 97, 105, 109, 305, 386, 390, 394, 467, 469, 471, 581, 671, 673, 788
2220374 ..... 79, 386, 389, 393, 427, 431, 435, 579
2220375 .... 443, 447, 465, 485, 490, 677, 735, 737, 756, 772, 798
2220376 531
2220377 523
2220379 .... 275, 277, 416, 420, 424, 428, 432, 436, 735, 737
2220380 .... 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 415, 419
2220383 .... 712, 716, 793, 795
2220385 .... 104, 259, 261, 471
2220386 .... 712, 716, 793, 795
2220415 ..... 129, 439
2220435 ..... 475, 477, 737
2220451 .... 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 442, 446, 451, 457, 461, 463, 735, 737
2220464 275
2220465 ..... 475, 477, 531
2220466 .... 467, 469, 471, 531
2220471 .... 485, 490, 676, 735, 737, 756, 772, 798
2220472 .... 235, 239, 259, 261
2220473 .... 104, 129, 385, 386, 389, 390, 393, 394, 420, 424, 427, 431, 442, 446, 450, 467, 469, 471, 473, 531, 696, 735, 737, 802
2220497 .... 155, 159, 163, 168, 171, 175, 179, 183, 188, 191, 195, 415, 419, 423, 443, 447, 451, 463
2220500 581
2220501 ..... 93, 109, 259, 261, 473, 735, 737, 802
2220502 465
2220516 ..... 427, 431, 435
2220574 ..... 450, 611
2220578 ..... 475, 477, 737
2220579 .... 199, 203, 208, 211, 215, 219, 223, 231, 235, 239, 305, 321, 415, 419, 423, 443, 447, 451
2220582 .... 416, 420, 424, 439, 451
2220594 531
2220596 .... 105, 467, 469, 471, 579, 581, 795
2220602 .... 386, 390, 394, 467, 469, 471, 531
2220603 ..... 89, 91
2220605 ..... 416, 442, 446
2220606 ..... 696, 802
2220609 129
2220612 452
2220618 .... 465, 471, 531, 735, 737
2220622 .... 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 442, 446, 451
2220623 531
2220624 .... 712, 716, 793, 795
2220628 ..... 129, 259, 261
2220635 .... 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 259, 415, 419, 423, 696, 802
2220646 523
2220651 485
2220654 321
2220655 .... 457, 459, 735, 737
2220671 .... 389, 393, 461, 463
2220683 ..... 389, 393, 579
2220700 ..... 259, 261
2220726 105
2220820 239
2220828 ..... 385, 389, 393
2220852 423
2220861 .... 420, 424, 447, 451
2220865 .... 450, 457, 459, 783
2220878 277
2220898 79
2220899 ..... 94, 104, 109, 386, 390, 394
2220947 ..... 461, 463
2220973 ..... 79, 457, 461, 463
2220974 ..... 459, 735, 737
2221026 531
2221048 .... 431, 435, 439, 475, 477
2221050 461
2221114 805
2230024 ..... 105, 477, 555
2230025 .... 461, 463, 485, 489, 620, 780, 795
2230043 555
2230044 .... 461, 463, 485, 489, 780, 783
2340037 131
2340038 131
2340039 131
2340045 131
2340046 131
24431386 ..... 86, 216
24601570 ..... 28, 768
24604083 823
24641328 ..... 350, 740
24741047 .. 155, 159, 163, 175, 179, 183, 607, 609, 611, 823
24771004 ... 371, 613, 615
24861167 ..... 702, 706
24861170 .. 155, 159, 163, 167, 175, 179, 183, 187, 200, 204, 209, 212, 216, 220, 224, 229, 232, 236, 371
24921332 .. 281, 283, 285, 287, 299
2600216 133

2600281 137
2716143 151
2717287 129
2720058 .....167, 187, 211, 231, 275, 277, 279
2720463 .....195, 273
2720643 239
2720645 279
2750532 805
2754548 795
2754808 .....485, 489, 620, 795
2900770 593
2915023 591
2915037 119
2915038 368
2915047 811
2915048 811
2915180 .....172, 192, 821
2915184 21
2940074 .....133, 137, 821
31200160 137
31200169 823
31200170 823
31200386 137
31200387 137
31200388 137
3251813 .....633, 636, 650
3271601 279
3271805 196
3272205 195
3291001 604
3300143 .....39, 41
3300240 .....73, 115
3311001 133
3311405 .....138, 239
3311501 .....133, 805
3311505 .....21, 23
3311605 239
3380582 347
3380653 347
3400022 .....399, 822
3421453 138
3423212 .....393, 811
3423242 .....73, 115
3423247 .....45, 47
3423263 89, 91, 505, 507, 509, 511
3423275 .....73, 115
3423276 .....73, 115, 129
3423307 115
3440832 57
3510809 133
3520072 .....133, 137
3520198 137
3539685 133
3573363 133
3575947 196
3576433 21
3641438 133
3760170 138
3780177 239
3790222 195
3790226 31
3790230 31
3820020 137
3841203 115
3900022 368
3911008 133
3911428 133
3911528 133
3931610 261
3931672 41
4100109 301
4105262 663
4110422 .....77, 83
4240018 289
4341409 279
4460035 706
4460374 .....613, 615
4460466 623
4460532 617
4460589 611
4460590 611
4460591 611
4460746 .....609, 611
4460789 .....609, 611
4520368 339
4520369 339
4520370 339
4520371 339
4520374 339
4520375 339
4520481 341
4520482 341
4520485 341
4520486 341
4520489 341
4520490 341
4520645 339
4520646 339
4520647 339
4640438 593
4641192 541
4711400 21, 23, 133, 138, 216, 236, 435, 611, 621
4711500 .21, 23, 133, 273
4711600 .. 32, 55, 61, 239, 289, 486, 490, 604, 663
4711800 ..... 57, 239, 495, 585
4712000 57
4740003 59
4740488 279
4751000 133
4751400 .... 137, 239, 424, 485, 489
4751500 .. 21, 23, 24, 279, 285, 287, 289, 531, 811
4751600 .....239, 604
4751800 .....196, 279
4752000 .....273, 555
4752200 196
4752600 24
4761000 133
4761400 .... 216, 236, 378, 435, 604, 611
4761500 .... 273, 424, 463, 531, 805
4761600 31, 61, 239, 261, 279, 465, 486, 490, 523
47616700 195
4761700 .....195, 239
4761800 .. 41, 61, 65, 195, 239, 439, 495, 507, 511, 585
4762000 .....273, 555
4832000 805
4832100 805
4846265 133
4846452 138
4846528 133
4891800 115
4892500 ....16, 21, 24, 811
4923310 809
4923398 609
4923525 706
6604662 129
70002219 595
70002224 595
7000297 335
70003849 595
7000645 581
70020002 126
70020004 126
70020015 .....122, 126
70020017 .....122, 126
70020025 126
70020026 126
70020027 126
70020028 126
70020029 126
70020227 570
70020308 823
70020309 823
70020334 .....561, 563
70020348 269
70020349 269
70020358 269
70020370 529
70020375 .....497, 515
70020383 .....119, 123
70020404 399
70020428 591
70020555 101
70020562 143
70020890 617
70020891 617
70020923 401
70021141 335
70021146 335
70021342 .....83, 143
70021349 83
70021358 143
70021359 143
70021360 143
70021361 143
70021362 143
70021364 143
70021365 143
70021366 143
70021367 ....122, 126, 143
70021382 .....122, 126
70021387 143
70021391 143
70021392 143
70021393 597
70021395 143
70021399 143
70021410 269
70021415 83
70021429 .....122, 126
70021440 .....589, 597
70021441 589
70021442 589
70021443 589
70021444 597
70021446 597
70021447 597
70021448 597
70021451 597
70021452 597
70021453 589
70021464 597
70021465 597
70021466 597
70021584 279
70021585 279
70021586 279
70021587 279
70021588 279
70021616 381
70021618 507
70021620 511
70021621 511
70021622 511
70021776 381
70021793 269
70021794 269
70021795 269
70021796 269
70021797 269
70021798 .....269, 821
70021799 269
70021800 269
70021801 269
70021803 269
70021804 269
70021805 269
70021806 269
70021807 .....269, 821
70021809 269
70021810 269
70021812 591
70021824 .....611, 617
70021825 617
70021826 617
70021897 267
70021901 521
70021902 521
70021903 521
70021904 521
70021905 521
70021907 521
70021908 .....521, 593
70021909 .....521, 822
70021921 83
70021935 83
70021976 589
70021977 83
70021978 83
70021979 83
70021980 143
70021981 143
70021983 .....123, 127
70022026 ... 350, 354, 358
70022028 83
70022038 593
70022039 593
70022040 593
70022041 593
70022042 593
70022043 593
70022044 591
70022045 591
70022046 591

70022047 ..... 119, 122
70022048 ..... 119, 122
70022049 ..... 119, 122
70022051 547
70022117 495
70022118 495
70022119 ... 495, 511, 521
70022120 ... 495, 511, 521
70022121 497
70022122 497
70022123 497
70022124 497
70022125 ..... 497, 822
70022508 ..... 495, 515
70022509 515
70022511 515
70022512 515
70022513 515
70022514 515
70022515 ..... 515, 822
70022527 ..... 127, 143
70022530 126
70022536 ..... 495, 511
70022537 ..... 495, 511
70022538 ... 495, 511, 822
70022603 527
70022636 269
70022638 269
70022729 ..... 561, 563
70022811 515
70022812 515
70022931 ..... 146, 150
70022932 ..... 146, 150
70022933 150
70022934 ..... 146, 150
70022935 ..... 147, 151
70022936 ..... 147, 151
70022937 ..... 147, 151
70022938 151
70022939 ..... 147, 151
70022940 151
70022941 151
70022942 ..... 147, 151
70022943 151
70022944 151
70022945 151
70022946 ..... 147, 151
70022947 151
70022948 151
70022949 ..... 147, 151
70022950 ..... 147, 151
70022951 151
70022952 147
70022957 ..... 146, 150
70022958 151
70022959 152
70022960 ..... 146, 150
70022961 151
70022962 151
70022963 152
70022964 152
70022965 151
70022966 151
70022967 151
70022968 152
70022969 ..... 146, 150
70022970 ..... 146, 150
70022971 151
70022972 151
70022973 151
70022974 151
70022975 151
70022976 151
70022977 151
70022978 151
70022979 151
70022980 ..... 147, 151
70022981 152
70022982 151
70022983 152
70022984 ..... 146, 150
70022985 ..... 146, 150
70022986 152
70022987 ..... 146, 150
70022988 151
70022989 152
70022990 ..... 147, 151
70022991 151
70022992 ..... 146, 150
70022993 ..... 146, 150
70022994 ..... 146, 150
70022995 ..... 146, 150
70022996 152
70022997 151
70022998 ..... 147, 151
70022999 151
70023000 ..... 151, 152
70023001 151
70023002 151
70023003 ..... 146, 150
70023004 ..... 146, 150
70023005 ..... 147, 152
70023006 ..... 147, 152
70023007 ..... 147, 152
70023008 146
70023009 ..... 146, 150
70023010 ..... 146, 150
70023011 152
70023013 152
70023014 ..... 146, 150
70023015 ..... 147, 152
70023016 ... 146, 150, 151
70023040 24
70023041 24
70023058 279
70023298 269
70023299 ..... 269, 821
70023300 269
70023457 279
70023892 529
70023893 529
70023894 529
70023895 529
70023896 529
70023897 529
70023898 529
70023899 ..... 529, 822
70023925 ..... 147, 152
70024020 595
70024217 527
70024262 595
70024267 527
70024336 ..... 507, 822
70024345 399
70024346 399
70024347 399
70024348 581
70025606 595
70025959 595
70026056 595
70026057 595
70026058 595
70026059 595
70026060 595
70026061 595
70026062 595
70031445 83
7005811 573
7005842 573
7005845 573
7005874 573
7006831 577
7010543 579
7012910 581
7017047 335
7017094 335
7017477 581
7017478 581
7017496 ..... 541, 579, 581
7021610 ..... 539, 579
7022390 539
7022394 539
7023855 561
7023856 561
7024167 335
7024177 335
7024574 591
7024881 541
7026425 611
7026442 277
7026477 401
7026478 401
7026798 ..... 21, 24
7026799 ..... 21, 24
7026900 ..... 21, 24
7026901 ..... 21, 24
7026902 ..... 21, 24
7026904 ..... 20, 23
7026905 ..... 21, 24
7026906 ..... 21, 24
7026918 ..... 263, 265, 267
7026919 ..... 263, 265, 267
7026920 ..... 263, 265
7026923 ..... 263, 265, 267
7026924 ..... 263, 265, 267
7026925 ..... 263, 265, 267
7026926 ..... 263, 265, 267
7026927 ..... 263, 265, 267
7027856 823
7027857 823
7028492 330
7028820 557
7028939 347
7028940 347
7028941 347
7028942 347
7028943 368
7028944 368
7028945 368
7028946 368
7028947 368
7028948 368
7028949 368
7028950 368
7028951 368
7028952 368
7028953 368
7028954 368
7028955 368
7028956 368
7028957 368
7028958 368
7028959 369
7028960 369
7028961 369
7028962 369
7029004 347
7029209 368
7029520 ..... 99, 101
7029521 101
7029524 809
7029525 269
7029574 823
7029575 823
7029576 823
7029577 823
7029578 823
7029692 ..... 83, 143
7029703 126
7029714 143
7029755 ..... 609, 611
7029760 .... 503, 507, 527, 585, 593
7029814 527
7029815 ..... 507, 527
7029816 527
7029817 527
7029936 503
7029937 503
7029950 503
7029951 503
7029952 503
7029953 503
7029954 503
7029955 585
7029956 585
7029957 585
7029958 585
7029959 ..... 507, 527
7029960 507
7029961 507
7029968 527
7029974 507
7029975 507
7029976 585
7029977 585
7029978 585
7029979 585
7029980 527
7029995 589
7029996 ..... 122, 126
7029997 ..... 122, 126
7062922 129
7075611 663
7096552 503
7110702 129
7110712 129
7110722 129
7112642 113
7114941 113
71492131 23
71492134 23
72071980 .. 155, 159, 163, 167, 171, 175, 179, 183, 187, 191
72088049 65

7301448 604
7301524 604
7301525 604
7301893 604
77133029 ...671, 673, 712, 716, 788, 793
77133052 ...427, 431, 435, 450, 459, 671, 673, 712, 716, 788, 793
77133053 ...427, 431, 435, 450, 671, 673, 712, 716, 788, 793
77133073 459
77133136 .....97, 455, 479
77133137 .....97, 443, 447, 451, 455, 457, 467, 469, 471, 479, 481, 483, 620
77133139 ...479, 481, 483, 604
77133140 .16, 21, 93, 105, 110, 465, 475, 477, 479, 481, 483, 604
77133145 671
77133146 105
77133168 .....16, 21, 105, 455, 465, 475, 477, 479, 483
77133177 .16, 21, 93, 110, 465, 475, 477, 479, 481, 483
77133196 ...209, 212, 216, 229, 232, 236, 239, 420, 423, 447, 451
77133197 473
77133201 .....93, 104, 109
77133209 ...450, 671, 673, 712, 716, 788, 793
77133248 727
77133269 104
77133270 97
77133279 ...443, 447, 451, 457
77133306 ...443, 447, 451, 455, 479, 481, 483
77133389 .....475, 477
77133390 ...443, 447, 451, 455, 475, 477, 479, 481, 483
77133447 ...155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 415, 419, 423, 443, 447, 451
77133458 104
77133497 .....105, 450
77133498 ...105, 385, 389, 393, 450
77133499 ....105, 385, 389
77143003 .15, 19, 23, 275, 277, 371, 473, 601, 703, 707
77143004 ...275, 350, 354, 358, 740, 744, 748
77143006 ...15, 16, 20, 21, 23, 24, 105, 275, 277, 279, 350, 354, 358, 371, 601, 604, 671, 673, 703, 707, 740, 744, 748, 788, 817
77143013 16, 20, 23, 104, 133
77143015 ..... 89, 91, 523, 601
77143017 ... 350, 354, 358
77163102 ... 350, 354, 358
77163204 ... 620, 668, 764
77333027 .. 627, 631, 639, 642, 646
77333053 133
77363079 97
77363126 473
77363128 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 415, 419, 423
77363225 .....613, 615
77363228 ... 411, 617, 791
77363232 ... 411, 623, 791
77363233 623
77363246 617
77363263 613
77363264 .....613, 615
77363267 .....807, 809
77363268 .. 350, 354, 358, 378, 381, 613, 615, 703, 707, 740, 744, 748
77363302 .....703, 707
77363345 791
77383154 .. 281, 283, 285, 287
77383377 .. 208, 228, 607, 609, 611, 823
77383410 .. 620, 702, 706, 776, 798
77383467 .. 373, 375, 703, 707, 807, 809
77383470 .. 350, 354, 358, 373, 375, 620, 668, 703, 707, 740, 744, 748, 764, 807, 809
77383540 .. 350, 354, 358, 740, 744
77383567 601
77383580 305
77383744 .. 350, 354, 358, 375, 740, 744, 748
77383790 .. 281, 283, 285, 287, 289
77384578 .....371, 823
77384830 269
77385131 105
80263012 138
80264031 368
80264032 345
80264033 363
80264034 .....345, 363
80264035 347
80264061 .....362, 363
80264062 363
80264066 362
80264074 363
80264078 363
80264082 363
80264091 364
80264111 347
80264140 405
80333162 321
80334103 561
8033686 .....86, 87
8033690 86
8033691 86
8033692 86
8033693 86
8033698 87
8033786 591
8033866 368
8034815 368
8035180 329
8035322 .....495, 511
8035393 368
8035477 363
8035500 381
8035523 345
8035536 591
8035642 368
8035818 823
8035819 823
8035831 152
8035862 591
8035863 591
80363036 ....408, 776, 798
8036394 497
80364009 .....347, 369
80364012 369
80364023 368
80364024 363
80364063 368
8036581 579
8036629 529
8036654 347
8036668 369
8036669 368
8036670 368
8036678 .....363, 368
8036750 529
8037146 521
80373025 .....172, 192
80373046 ....354, 358, 744
80373088 691
80373090 295
80373091 ....172, 192, 295
80373092 ....172, 192, 295
80373093 295
80373094 .....293, 295
80373095 295
80374015 ...263, 265, 267, 821
80374019 267
80374020 ....263, 265, 267
80374021 ....263, 265, 267
80374048 ....263, 265, 267
80374050 ....263, 265, 267
80374054 ....263, 265, 267
80375012 691
80384185 .....363, 369
80384187 .....363, 369
80384191 .....363, 369
80384204 362
80384207 362
80384218 369
80434095 567
8050001 .....32, 517, 519
80603022 ...627, 631, 633, 636, 639, 642, 646, 650
80603026 .. 627, 631, 633, 636, 639, 642, 646, 650
80603037 .. 653, 655, 657, 659, 661, 663
80623016 450
80633030 .. 247, 249, 257, 259, 415, 419, 423
8065062 129
80673009 555
80673023 .....105, 483
80683013 .....216, 236
80683073 ... 354, 358, 744
80903009 133
80904003 823
80914235 557
80914241 557
80933066 .... 31, 442, 446, 450
80933070 .. 241, 251, 415, 419
80933123 .. 451, 467, 469, 471, 479, 481, 483
80933140 .....481, 483
80933367 289
80934035 539
80934037 696
80934080 557
80934082 561
80934202 545
80934205 565
80934241 405
80934340 561
80934423 545
80934498 405
80934656 .....405, 822
80934658 405
80934671 547
80963050 .....702, 706
80963055 .....702, 706
80963056 .....702, 706
80963057 .. 350, 354, 358, 609, 611, 613, 615, 740, 744, 748
80963058 .. 156, 160, 164, 176, 180, 184, 587, 607, 609, 611
80963059 615
80963060 .....696, 802
80963062 .. 671, 673, 702, 706, 788
80963065 .. 156, 160, 164, 176, 180, 184, 587, 607, 613, 615, 671, 673, 788
80963066 .. 671, 673, 702, 706
80963067 .. 350, 354, 358, 617, 740, 744, 748
80963068 .. 350, 354, 358, 609, 611, 613, 615, 702, 706, 740, 744, 748
80963069 .. 156, 160, 164, 176, 180, 184, 587, 607, 696, 702, 706, 788, 802
80963101 .. 350, 354, 359, 375, 378
80974021 523
82033995 740

82033996 ..350, 354, 358, 411, 702, 706, 707, 740, 744, 748, 791, 807
8205655 591
82092118 ..155, 159, 163, 172, 175, 179, 183, 192, 200, 204, 209, 215, 220, 224, 229, 235
8220524 609
8220553 617
8220883 617
8225122 604
8229260 604
82651133 ..... 427, 431
8270147 604
8270148 604
8270621 .....19, 23, 823
8273029 293
8273257 ....281, 283, 285, 287, 289
8275247 ..... 195, 301
8303545 604
8303626 113
8303634 129
8303715 129
8305012 113
8305624 ..... 21, 23
8305643 129
8305644 113
8305645 ..... 489, 663
8305647 663
8307007 113
8307028 706
8307112 113
8307113 663
8307219 604
83073828 317
8307904 ..... 59, 129
8307916 59
8307917 59
8307918 ..... 59, 129
8310067 ..... 47, 59
8310093 59
8310160 129
8310161 129
8310705 196
83191004 ..155, 159, 163, 167, 175, 179, 183, 187, 199, 203, 209, 211, 219, 223, 229, 231
83191005 ..200, 204, 209, 212, 215, 220, 224, 229, 232, 235
83191006 ..199, 203, 208, 211, 215, 219, 223, 228, 231, 235
83191010 ..155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 199, 203, 209, 211, 219, 223, 229, 231, 604
83191012 ..155, 159, 163, 167, 175, 179, 183, 187
83191013 ..167, 187, 199, 203, 208, 211, 215, 219, 223, 228, 231, 235
83191021 ..199, 203, 208, 211, 215, 219, 223, 228, 231, 235
83191032 .. 155, 159, 163, 167, 171, 175, 179, 183, 187, 191
83191035 .. 155, 159, 163, 167, 175, 179, 183, 187
83191038 .. 156, 160, 164, 168, 176, 180, 184, 188, 212, 232
83191039 .....171, 191
83191040 .....215, 235
83191041 .. 155, 159, 163, 167, 175, 179, 183, 187
83191043 .....171, 191
83191049 .....172, 192
83191059 401
83201006 .....27, 32
83201011 63
83201021 31
83201024 ..... 93, 104, 109
83201026 ..... 93, 104, 109
83201035 .....63, 65
83201038 47
83201039 47
83201057 573
83201073 ... 368, 673, 788
83201111 368
83201115 ... 442, 446, 450
83201123 ..... 57, 493, 495
83201135 .. 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 199, 203, 208, 211, 215, 219, 223, 228, 231, 439, 442, 446
83201140 .....27, 767
83201144 ..... 27, 31, 767
83201149 716
83201154 368
83201155 .. 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 439, 443, 447, 451
83201158 ..... 16, 21, 811
83201172 .....35, 37
83202 70 .... 156, 160, 164, 165, 168, 176, 180, 184, 188
83421139 ... 427, 431, 435
83451104 79
83481285 613
83481286 .....613, 615
83481645 45
83483497 .. 199, 203, 208, 219, 223, 228
83483584 317
8360005 748
83621283 .....493, 495
83623032 ... 428, 432, 436
83633002 385
83651133 435
83662017 .....442, 446
83683085 .. 350, 354, 358, 378
83683175 .. 199, 203, 208, 211, 219, 223, 228, 231, 297
83683181 381
83683254 609
83683291 ..... 15, 19, 23
83683308 ..... 275, 277
83683363 ..... 411, 791
83683549 106
83783030 ..... 171, 191
83793054 ..... 39, 525
83924121 567
83924123 557
83953028 587
8405007 748
8405201 279
8410013 195
8420053 .....115, 127, 129
8420055 .....115, 127, 129
8430048 748
8430054 795
8430083 795
8430084 795
84521056 ..... 275, 277
84521062 ..... 89, 91
8466306 .....16, 20, 23
84711333 ..199, 203, 209, 211, 215, 219, 223, 229, 231, 235, 415, 419, 423
84711334 ..155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 415, 419, 423
84712737 ...442, 446, 450
84712738 ..155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 239, 439, 442, 446, 451
84712739 439
84712746 ..... 271, 273
84716148 ..712, 716, 793, 795
84716434 ..... 89, 91
84716719 ..... 431, 435
84717295 802
84717304 ..416, 420, 424, 443, 447, 450
84717306 696
84717519 473
84717537 ..... 105, 696
84717556 ..... 673, 788
84717560 671
84717594 471
84717640 86
84717644 79
84717778 105
84717835 427
84717846 ...712, 716, 793
84717871 105
84717893 696
84718046 ..712, 716, 793, 795
84718047 104
84718067 ..... 93, 109
84718077 439
84718164 ...427, 431, 435
84718189 471
84718201 ...416, 420, 424
84718202 ..... 467, 469
84718294 471
84718355 ...443, 447, 450
84718372 ...461, 463, 820
84718373 ...461, 463, 820
84718377 473
84718385 .. 485, 676, 686, 756, 760, 772, 780, 783, 799
84718425 .. 200, 204, 220, 224, 415, 443
84718427 .....712, 716
84718557 .. 485, 676, 686, 756, 760, 772, 780, 783, 799
84718614 .....443, 447
84718615 .....443, 447
84718625 ...416, 420, 424
84718635 ...427, 431, 435
84718639 .. 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 239, 415, 419, 423
84718672 ...467, 469, 471
84718673 467
84718680 .....475, 477
84718682 475
84718685 .. 485, 489, 676, 686, 757, 760, 772, 776, 780, 783, 798
84718686 .. 485, 489, 676, 686, 756, 760, 772, 776, 780, 783, 798
84718687 .....390, 394
84718688 ... 385, 389, 393
84718689 ... 386, 390, 394
84718690 ... 386, 390, 394
84718691 ... 386, 390, 394
84718692 .. 467, 469, 471, 531
84718695 475
84718696 475
84718700 .. 200, 204, 209, 212, 215, 220, 224, 229, 232, 235, 239, 415, 419, 423, 442, 446, 451
84718701 ... 415, 419, 423
84718728 .....461, 463
84718735 473
84718736 473
84718737 .....475, 477
84718739 ... 442, 446, 450
84718740 ... 442, 446, 450
84718741 ... 442, 446, 450
84718743 ...427, 431, 435
84718745 .. 156, 160, 164, 176, 180, 184, 427, 431, 435
84718751 .....416, 442
84718752 .....416, 442
84718845 439
84718847 696
84718860 471
84718868 ... 461, 686, 820
84718893 457
84718894 457
84718929 439
84718945 .. 416, 420, 428, 432
84718947 .. 416, 420, 424, 427, 431, 435

84718948 457
84718951 .....467, 469
84718955 471
84718956 ...209, 229, 427, 431, 435
84718961 .....475, 477
84718968 ....427, 431, 435
84718979 .....427, 431
84718999 ....427, 431, 439
84719000 ...427, 431, 435, 671
84719018 ...461, 676, 686, 772, 799
84719040 465
84719042 467
84719057 .....467, 469
84719066 459
84719075 ...463, 485, 489, 756, 760, 780, 783
84719093 .....793, 795
84719115 455
84719143 439
84719163 802
84719166 802
84719167 802
84719170 450
84719196 783
84719224 .....475, 477
84719365 .....673, 788
84719378 .....673, 788
84719415 450
84719416 450
84719447 ...420, 424, 446, 450, 481, 483
84719575 ...668, 676, 712, 716, 772, 799
84719847 455
84719976 477
84719977 469
84719978 469
84719980 .....424, 436
84719984 477
84721049 ...463, 756, 760, 764, 780, 793, 820
84721052 450
84721053 450
84721060 471
8500066 809
85051384 671
85071128 .....275, 277
85101098 28
8520021 529
85211088 .....15, 19, 23
8530030 239
85401340 .....31, 442, 446, 452
85403040 63
85611274 ...668, 702, 707, 764, 799
85611278 .....275, 277
8580315 129
8584001 129
85841150 604
85941016 ...275, 277, 371, 483
85941017 ...155, 159, 163, 167, 175, 179, 183, 187, 601, 604, 702, 706
85941018 .....354, 358
86081050 133
86121186 716
8642207 129
86541381 ... 271, 273, 821
86621230 ..... 16, 21, 465, 671, 673, 702, 706, 788
86661147 ... 106, 702, 706
86661149 .....702, 706
86661152 .....702, 706
86671187 .....354, 358
86681572 .....27, 32
86683088 63
86683122 16, 21, 23, 389, 393, 401, 411, 702, 706, 791
86683193 .. 350, 354, 358, 740, 744
86683480 .... 21, 106, 350, 354, 358, 381, 411, 702, 791, 807, 809
86881273 65
86881276 65
86881421 .....313, 315
86883074 .....171, 191
86883075 .. 155, 159, 163, 167, 175, 179, 183, 187, 607, 609
86883106 .. 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 200, 204, 209, 212, 216, 220, 224, 229, 232, 236, 271, 273, 275
86883260 .....702, 707
86883327 .....275, 277
86921268 .....27, 767
86981533 .....281, 283
86983188 381
86983193 .....411, 791
86983649 .. 156, 160, 164, 168, 176, 180, 184, 188
86984451 311
86984452 311
86984559 .....609, 611
8760268 .. 89, 91, 93, 104, 109, 259, 261, 427, 431, 435, 467, 469, 471, 475, 477, 555
8765204 ..... 94, 104, 110, 427, 431, 435, 471, 485, 489, 490, 531, 555, 581, 735, 737, 795
8769132 129
8770016 129
8770064 195
8780031 339
8780045 339
8780264 339
8786514 ..... 337, 339, 341
88201001 587
88201002 .....702, 706
88201003 .. 350, 354, 358, 385, 389, 393, 397, 587, 740, 744, 748
88201004 817
88201005 .... 97, 408, 620, 668, 764, 776, 798, 799
88201006 .....97, 451
88201007 ... 104, 393, 450
88201008 .....93, 105, 109, 385, 389, 393, 416, 420, 443
88201010 .....427, 431
88201012 ...408, 676, 683, 696, 751, 756, 780
88201015 802
88201016 15
88201017 ...620, 668, 764, 799
88201018 ...277, 279, 408, 776, 798
88201019 ...408, 555, 720, 776, 798, 802
88201020 .....15, 20, 155, 159, 163, 167, 175, 179, 183, 187, 216, 235, 275, 485, 489, 676, 686, 756, 760, 772, 780, 783, 799
88201021.21, 75, 79, 285, 287, 289, 389, 393, 461
88201022 ...385, 389, 393, 465
88201023 .....97, 443, 447, 457, 467, 469, 471, 479, 481, 621
88201024 105
88201025 104
88201027 .....79, 531
88201033 ....281, 283, 401
88201034.63, 65, 97, 275, 461
88201035 ...27, 63, 65, 75, 79, 275, 277, 401, 443, 447, 450, 569, 720, 767
88201036 .....75, 79, 199, 203, 209, 211, 215, 219, 223, 229, 231, 235, 277, 415, 419, 423, 555, 569
88201037 .....86, 275, 277, 569
88201040 .....89, 91, 475, 477
88201045 523
88201047 .....485, 671
88201050 .....15, 20
88201051 ...155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 415, 419, 423
88201063 63
88201065.39, 89, 91, 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 493, 505, 509, 583, 671, 673, 788
88201066 ...573, 583, 585, 671, 673, 788
88201070 ...475, 477, 712, 793
88201073 .....75, 79, 485
88201075 ...156, 160, 164, 167, 176, 180, 184, 187
88201095 ...155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 271
88201096 79
88201105 .. 71, 89, 91, 93, 109
88201106 .....171, 191
88201108 .....702, 706
88201112 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 259
88201143 .....15, 19
88201532 .. 45, 47, 49, 51, 53, 55, 63, 65
88201533 47
88201534 .. 45, 47, 49, 51, 53, 55, 63, 65, 89, 91
88201535 ..... 47, 89, 91
88201562 .....49, 51
88201565 ..... 49, 51, 53
88201569 47
88201570 .....45, 47
88201608 .....45, 47
88201616 305
88204912 .....16, 20
88211028 .. 208, 228, 607, 609, 611
88211030 ... 350, 354, 358
88211034 731
88211044 .. 408, 409, 751, 753, 776, 798
88211068 .... 31, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259
88211083 .....39, 525
88211121 .....27, 767
88212228 .. 385, 389, 393, 545
88212272 31
88212285 32
88212287 47
88212321 ..... 28, 31, 768
88221051 720
88241053 110
88261011 .....389, 393
88261014 16
88261017 .. 385, 473, 627, 631, 633, 636, 639, 642, 646, 650
88261020 .....21, 23
88261022 371
88261026 .....499, 501
88261039 451
88301073 .....19, 23
88301077 15
88301088 .. 620, 668, 764, 776, 798
88301093 ... 671, 673, 788
88301193 ... 15, 19, 23, 57
88301311 401
88321022 ... 702, 706, 809
88321029 371
88341022 ..... 71, 99, 119
88441001 389
88501004 .. 350, 354, 358, 378, 385, 409, 427, 431, 435, 587, 668, 696, 702, 707, 764, 798, 799, 817
88501005 ..... 75, 79, 105, 275, 285, 385, 389, 393, 408, 461, 463, 485, 489, 531, 676,

686, 756, 760, 772, 776, 780, 783, 798, 799
88501006 ..27, 31, 75, 79, 86, 110, 555, 569, 671, 673, 767, 788
88501007 ..... 15, 20
88501008 .....75, 79, 461, 463, 475, 477, 485, 489, 569, 620, 668, 676, 686, 712, 716, 756, 760, 764, 772, 780, 783, 793, 795, 799
88501010 79
88501012 47
88501016 ...63, 65, 89, 91
88501106 ..... 75, 79
88501108 ..461, 463, 485, 489, 620, 668, 676, 686, 712, 716, 756, 760, 764, 772, 780, 783, 793, 795, 799
88501110 .....28, 31, 768
88501112 ..... 411, 791
88501314 ..... 63, 65
88501404 ..408, 409, 686, 753, 760, 776, 777, 798
88501405 ...385, 389, 393
88501406 ...385, 389, 393
88501408 ..385, 389, 393, 533
88501416 ..... 27, 767
88501610 ..... 702, 706
88501612 15, 19, 23, 208, 228, 607, 609, 611
88501613 .....15, 19, 23
88501616 401
88521008 ..156, 160, 164, 168, 176, 180, 184, 188
88521010 .....45, 172, 192
88521016 ...35, 37, 89, 91
88521020 32
88521204 ..... 16, 20
88521205 ..155, 159, 163, 167, 175, 179, 183, 187, 216, 236
88521206 ...275, 277, 525
88521208 ..... 28, 768
88521210 32
88521304 ..408, 473, 620, 668, 676, 683, 751, 756, 764, 780, 799
88521306 .....27, 31, 767
88521308 ..... 485, 489
88521310 ..71, 89, 91, 93, 109
88521312 .....27, 31, 767
88521604 .....15, 19, 23
88551007 15, 19, 23, 208, 228, 607, 609, 611, 671, 673, 788
88551009 ..104, 350, 354, 358, 385, 389, 393, 397, 408, 409, 416, 420, 427, 431, 443, 587, 668, 686, 696, 702, 706, 740, 744, 748, 753, 760, 764, 776, 798, 799, 802, 817
88551010 ..104, 275, 285, 287, 289, 385, 389, 393, 408, 461, 485, 489, 555, 620, 668, 676, 686, 720, 756, 760, 764, 772, 776, 780, 783, 798, 799, 802
88551011 ..27, 31, 63, 65, 86, 89, 91, 97, 110, 200, 204, 209, 212, 215, 220, 224, 229, 232, 235, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 275, 277, 281, 283, 401, 415, 419, 423, 442, 443, 446, 447, 450, 461, 475, 477, 555, 569, 671, 673, 720, 767, 788
88551012 ..155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 415, 419, 423, 439, 442, 446, 720
88551013 ..39, 63, 89, 91, 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 475, 477, 493, 505, 509, 583, 585, 671, 673, 788, 815
88551015 .....133, 271
88551016 .....702, 706
88551153 .....28, 768
88551154 32
88561001 ..443, 671, 673, 788
88561002 ..... 93, 97, 105, 109, 416, 420
88561003 ..... 15, 19, 275, 277, 368, 371, 555, 802
88561004 86
88561008 271
88561009 ... 350, 354, 358
88561011 .....15, 19
88561105 .... 57, 208, 228, 607, 609, 611, 620, 668, 764, 777, 798
88561107 ..... 16, 20, 385, 389, 393, 427, 431, 587, 668, 696, 702, 706, 764, 799
88561108 ..... 45, 79, 104, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191
88561109 ..45, 49, 53, 63, 65, 89, 91, 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 275, 277, 461
88561111 ..156, 160, 164, 168, 176, 180, 184, 188, 199, 203, 209, 211, 215, 219, 223, 229, 231, 235, 493, 583, 585, 671, 673, 788
88561113 ....79, 171, 191, 403, 709, 784
88561115 ..... 702, 706
88581136 .....93, 104, 109
88581149 .....63, 65, 485, 489, 497, 499, 501, 503, 676, 686, 756, 760, 772, 780, 783, 799
88581303 ...385, 393, 811
88581313 ..... 63, 65
88581323 ..... 27, 767
88581325 31
88591009 727
88591011 ..... 172, 192
88591012 ...475, 477, 541
88591019 ..... 27, 767
88591024 ..200, 204, 209, 212, 220, 224, 229, 232, 415, 419, 423
88591027 ..155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 415, 419, 423
88591032 ..... 27, 767
88591104 ..... 27, 767
88591202 ..... 321, 439
88591204 ..109, 200, 204, 209, 212, 215, 220, 224, 229, 232, 235, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 305, 415, 419, 423, 427, 431, 435, 439, 442, 446, 450, 467, 469, 471, 696, 802
88591205 ..109, 305, 385, 579, 581, 671, 673, 788
88591206 ....80, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 385, 415, 419, 424, 427, 431, 435, 442, 446, 451, 463, 579
88591207 ..199, 203, 208, 211, 216, 219, 223, 228, 231, 236, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 431, 435, 439, 442, 446, 450, 459, 677, 756, 773, 799
88591209 ..... 523, 577
88591210 ..241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 415, 419, 555
88591508 ...442, 446, 451
88631301 ...397, 709, 772
88631302 ...408, 776, 798
88631338 ...403, 709, 784
88631343 97
88631449 ....93, 104, 110, 133
88633001 ..397, 408, 776, 798
88661010 ..... 89, 91
88661011 ...712, 716, 793
88661013 79, 86, 93, 105, 109
88661016 86
88661084 475
88661085 .....756, 793
88661110 97
88661113 ... 712, 716, 793
88661180 86
88661341 .....467, 469
88661365 ... 428, 432, 436
88661406 .....467, 469
88662008 ... 427, 431, 435
88662037 461
88662059 385
88662064 435
88662065 .. 671, 673, 788, 793
88662070 .. 427, 431, 435, 555
88662084 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 439, 696
88662086 463
88662105 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 416, 420, 424, 443, 447, 451
88662106 .. 305, 442, 446, 467, 469, 677, 712, 716, 756, 772, 793, 798
88662120 .. 386, 427, 431, 435
88662121 450
88662224 228
88662239 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 442, 446, 451
88662240 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 427, 431, 435, 442, 446, 451
88662242 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 427, 431, 435, 443, 447, 451
88662332 .. 199, 203, 208, 211, 215, 219, 223, 228, 231, 442, 446
8866334 .....363, 369
88671001 .. 27, 32, 39, 41, 45, 63, 75, 79, 97, 115, 450, 493, 509, 513, 570, 673, 767, 788
88671008 ..... 57, 93, 104, 109, 671
88671018 104
88671022 .. 27, 89, 91, 93, 109, 767
88701021 31
88711280 31
88711283 .....271, 273
88711383 .....350, 740
88711385 .. 199, 203, 208, 211, 219, 223, 228, 231
88711570 .....172, 192
88712034 350
88712304 .. 676, 686, 756, 760, 772, 780, 783, 799
88821002 ... 408, 776, 798

88821004....385, 389, 393
88971004..... 523
89981036.....702, 706
90020247.....28, 32
90021552...403, 709, 772, 783
90021705...671, 673, 788, 807
90022042.....467, 469
90022230..... 593
90023159....443, 447, 451
90026491.....45, 653, 655, 657, 659, 661
90026803..... 609
90026965..... 79
90027176...676, 686, 712, 716, 760, 772, 799
90027180...676, 686, 756, 760, 772, 799
90027187...155, 159, 163, 167, 175, 179, 183, 187, 200, 204, 209, 212, 220, 224, 229, 232, 411, 443, 447, 450, 467, 469, 471, 473, 485, 489, 620, 668, 671, 673, 676, 686, 712, 716, 757, 760, 764, 772, 776, 780, 783, 788, 791, 793, 795, 798, 799
90027214...358, 702, 706, 807
90027319...350, 354, 702, 706, 807
90027470....47, 51, 55, 65
90027471...45, 47, 49, 51, 53, 55, 712, 716, 793, 795
90027472.....63, 65, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195
90027473.....45, 47, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 305, 321
90027684..... 397
90027906...200, 204, 209, 212, 215, 220, 224, 229, 232, 241, 243, 245, 247, 249, 251, 253, 255, 257, 439
90027987....385, 389, 393
90028482...243, 245, 247, 249, 253, 255, 257, 259, 261, 415, 419, 423
90028488..... 301
90028631..... 289
90028662...403, 409, 709, 776, 784, 798
90028695...241, 243, 245, 251, 253, 255
90028740..... 31
90028935....503, 513, 515
90028977...156, 160, 164, 176, 180, 184
90028990.....79, 712, 716, 793, 795
90029955 .. 350, 354, 378, 702, 706, 807
90029999 97
90030271 .. 155, 159, 163, 167, 175, 179, 183, 187, 275
90200003 .. 71, 73, 89, 91, 93, 109, 115, 129
90200284 .....385, 389
90200440 317
90200445 .... 45, 653, 655, 657, 659, 661
90200602 815
90200638 .. 403, 709, 773, 783
90200680 ... 350, 354, 358
90200688 .... 45, 653, 655, 657, 659, 661
90200755 15, 19, 23, 275, 277
90200807 291
90201414 291
90201443 .... 97, 712, 716, 793, 795
90201918 .....28, 768
90202230 401
90202371 559
90202372 559
90202376 559
90202379 559
90202399 559
90202403 559
90202404 559
90202405 559
90202406 559
90202407 559
90203040 686
90203384 104
90203440 575
90203543 311
90204007 .....89, 91
90204097 ..... 93, 104, 109
90204244 .. 686, 716, 772, 783, 799
90204245 .. 686, 716, 772, 783, 799
90205121 79
90205126 97
90205792 .. 155, 159, 163, 168, 171, 175, 179, 183, 188, 191, 195, 200, 204, 209, 212, 215, 220, 224, 229, 232, 235, 239, 439, 442, 446, 451
90205870 .. 45, 49, 53, 89, 91, 820
90205891 .....35, 37
90205918 .....275, 277
90206169 .. 350, 354, 358, 744
90206170 748
90206194 .....15, 19
90206196 ..... 23, 473, 811
90206198 817
90206199 23
90206202 811
90206417 577
90207204 317
90207458.....15, 19, 23
90207463...461, 463, 485, 489, 676, 686, 756, 760, 772, 776, 780, 783, 798, 799
90207464...712, 716, 793, 795
90207661...620, 668, 764, 799
90207662..... 105
90207719....105, 696, 802
90207856..... 385
90207879..... 573
90207880..... 79
90207882.....79, 712, 716, 793, 795
90207884.....75, 79
90207902.....57, 820
90208143..... 569
90208148..... 569
90208181..... 569
90208187..... 569
90208211..... 573
90208212..... 573
90214009..... 823
90402427...199, 203, 219, 223, 823
90402478..... 71
90402948.....75, 79
90403056..... 79
90403437.....75, 79
90451020..... 109
90451039..... 86
90451047.....75, 79
90451053..... 75
90451058.....71, 89
90451060..... 104
90451061..... 105
90453002..... 131
90453013..... 109
90453018..... 105
90453019..... 104
90453020..... 105
90453021..... 105
90453023..... 104
90453030..... 86
90453033..... 105
90453034..... 729
90453039..... 69
90453040..... 75
90453041..... 75
90453043..... 104
90453044..... 104
90453045..... 131
90453046..... 105
90453048..... 131
90453050..... 569
90454001..... 105
90454002..... 105
90454003..... 105
90455011..... 75
90455012..... 79
90455035..... 86
90455037..... 86
90455044..... 93
90455047..... 104
90455049..... 69
90455051..... 71
90455052..... 71
90551013.....71, 93
90553005.....131
90553008.....131
90553012.....110
90553013.....110
90553014.....731
90553015.....731
90553018.....131
90553021.....118
90553023.....731
90553024.....118
90553026 .. 133, 653, 655, 657, 659, 661, 663
90553027 .. 133, 627, 631, 633, 636, 639, 642, 646, 650
90553028 .. 134, 627, 631, 633, 636, 639, 642, 646, 650
90553034.....133
90553036.....99
90554001 ... 133, 642, 646
90554013.....133
90554016 ..... 83, 118, 143
90554017.....118, 143
90554018.....118, 143
90554019.....118
90554020 .... 83, 118, 122, 126
90554021 ... 118, 122, 126
90554022.....118, 122
90554023.....118
90554024 ... 118, 122, 126
90554025 ... 118, 122, 126
90554026 ... 118, 122, 126
90554027 ... 118, 122, 126
90554028.....118, 122
90554029.....118
90554030.....118
90554031.....118
90554032.....118
90554033.....118
90554034.....118, 122
90554035.....118, 126
90554037.....118
90554038 ... 118, 122, 126
90554039 ... 118, 122, 126
90554040 ... 118, 122, 126
90554041.....118
90554042 .... 83, 118, 122, 126
90554043 ... 118, 122, 126
90554044 ... 118, 122, 126
90554045 .. 118, 122, 126, 589, 597
90554046.....118, 589
90554049.....118, 122
90554051.....118, 123
90554052.....118, 122
90554053.....118, 122
90554054.....83, 118
90554055.....118, 122
90554056 .. 118, 119, 122, 126
90554057 ... 118, 123, 126
90554058 ... 118, 123, 126
90554059 ... 118, 123, 126
90554060 ... 119, 123, 126
90554061.....119

90554062 ....83, 119, 123, 143
90554063 ..... 119, 123
90554064 ...119, 123, 127
90554065 ..119, 123, 127, 143
90554066 119
90554067 ...119, 122, 126
90554068 122
90554069 ...119, 123, 127
90554070 ...119, 122, 126
90554071 ...119, 123, 127
90554072 ...119, 123, 127
90554073 ...119, 123, 126
90554074 119
90554075 119
90554076 ....83, 119, 123, 143
90554077 119
90554079 99
90554080 ..... 99, 101
90555008 71
90555013 109
90555020 69
90555024 133
90556020 133
90600273 401
90600390 131
90601015 131
90601819 131
90602706 575
90602904 ..... 75, 79
90602905 ..... 75, 79
91003016 ..653, 655, 657, 659, 661, 663
91003018 ..653, 655, 657, 659, 661, 663
91003020 ..653, 655, 657, 659, 661, 663
91003030 639
91003031 ....45, 653, 655, 657, 659, 661
91014038 723
91014055 724
91014058 559
91014066 ...503, 507, 527
91023006 ..639, 642, 646, 650
91031014 ..... 35, 37
91031040 423
91031236 ..45, 47, 49, 51, 53, 55, 89, 91, 820
91031271 86
91031521 ..350, 354, 358, 740, 744, 748
91033029 ..... 15, 20
91033038 .....57, 93, 105, 109, 133
91033039 ....93, 105, 109, 133
91033089 ..627, 631, 633, 636, 639, 642, 646, 650
91033102 16
91033104 337
91033137 ..... 275, 277
91033138 ..385, 389, 393, 451
91033161 ..712, 716, 793, 795
91033185 ..... 45, 47, 820
91033186 .. 45, 47, 49, 51, 53, 55, 89, 91, 820
91033187 ..... 63, 65, 820
91033196 719
91033317 .. 371, 613, 615, 823
91033380 .. 702, 706, 807, 809
91033387 .....411, 791
91033425 ... 702, 706, 809
91033481 31
91033483 .....696, 802
91033485 .....15, 20
91033487 696
91034070 .. 550, 676, 756, 772
91034105 550
91034107 543
91034118 543
91034139 ... 493, 505, 509
91034153 .. 493, 505, 509, 525
91034156 733
91034157 729
91034161 720
91034162 720
91034163 719
91034164 719
91034165 .....720, 723
91034166 .....719, 724
91034167 .....720, 724
91034168 719
91034169 .....719, 723
91034170 720
91034171 .....720, 723
91034172 .....719, 724
91034173 .....719, 724
91034174 .....720, 724
91034175 .....720, 724
91034176 .....719, 724
91034177 .....719, 723
91034178 .....719, 724
91034179 .....719, 723
91034180 .....719, 724
91034181 719
91034182 .....720, 723
91034183 720
91034184 719
91034185 719
91034186 719
91034187 719
91034188 720
91034189 720
91034190 719
91034191 719
91034192 .....719, 723
91034193 .....719, 723
91034194 719
91034195 .....720, 724
91034196 .....719, 723
91034197 .....719, 723
91034198 719
91034199 .....719, 724
91034200 .....719, 724
91034201 .....719, 723
91034202 719
91034203 719
91034204 .....719, 723
91034205 ..... 720, 724
91034206 ..... 719, 723
91034207 ..... 720, 723
91034208 ..... 719, 723
91034209 720
91034210 719
91034211 719
91034212 719
91034213 719
91034214 720
91034215 719
91034216 719
91034217 719
91034236 ..... 549, 577
91034276 ..493, 499, 501, 505
91034372 86
91034373 86
91034374 ..... 86, 105
91034375 ..... 86, 105
91034376 ..... 86, 87
91034377 .....86, 87, 106
91034389 333
91034390 333
91034392 86
91034393 86
91034394 86
91034399 104
91034400 104
91034404 86
91034405 87
91034406 87
91034407 87
91034408 87
91034409 87
91034410 87
91034413 87
91034414 87
91034415 87
91034416 87
91034417 86
91034418 87
91034419 86
91034420 86
91034421 86
91034422 86
91034423 86
91034424 86
91034426 87
91034427 87
91034428 87
91034429 87
91034430 87
91034431 86
91034432 87
91034433 87
91034434 87
91034435 729
91034436 729
91034437 729
91035247 679
91035248 679
91041322 .....93, 104, 109
91041324 .....93, 104, 109
91041325 .....93, 104, 109
91041326 .....93, 104, 109
91041327 .....93, 104, 109
91041356 .....93, 105, 109
91041361 ..... 94, 109
91041362 ..... 94, 104, 109
91041365 57
91041438 27
91041439 .....27, 767
91041449 .... 27, 461, 463, 485, 489, 676, 756, 760, 764, 767, 772, 780, 783, 793, 799
91041450 . 27, 63, 65, 767
91041451 27, 63, 65, 485, 489, 767
91041459 .....27, 767
91041481 .....27, 767
91041596 .....27, 767
91041598 27
91041732 ..... 27, 31, 767
91041733 .....27, 768
91043084 .....337, 341
91043120 620
91043125 .. 79, 89, 91, 93, 97, 105, 109, 147, 151, 485, 489, 657, 676, 686, 712, 716, 756, 760, 772, 780, 783, 793, 795, 799
91043126 .. 79, 86, 89, 91, 93, 97, 105, 109, 147, 151, 485, 489, 676, 686, 712, 716, 756, 760, 772, 780, 783, 793, 795, 799
91043134 .. 653, 655, 657, 659, 661, 663
91043135 .. 653, 655, 659, 661, 663
91043136 .. 653, 655, 657, 659, 661, 663
91043146 337
91043150 297
91043186 .....93, 109
91043199 ... 671, 673, 788
91043214 ... 385, 389, 393
91043221 .... 93, 104, 110, 133
91043222 .....28, 32
91043237 .....15, 20
91043247 .....27, 767
91043298 337
91043321 .. 676, 686, 756, 760, 772, 780, 783, 799
91043353 689
91043429 .. 350, 354, 358, 740, 744, 748
91043440 106
91043446 539
91043472 333
91044001 731
91044002 .....727, 731
91044033 583
91044080 .. 507, 527, 585, 593
91044099 333
91044101 333
91044105 333
91044106 333
91044107 333
91044110 333
91044112 333
91044206 585

91044276 333
91044277 333
91044284 731
91044301 731
91044303 731
91044311 333
91044361 333
91044462 333
91045058 679
91045059 679
91045106 337
91045107 337
91045152 28
91046062 93
91047061 559
91053020 ...241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 439, 443, 447, 451
91053419 ...381, 671, 673, 788, 807, 809
91054002 ...241, 243, 245, 247, 249, 251, 253, 255, 257, 259
91063039 .....97, 451
91063040 .....97, 451
91064016 .....513, 733
91064017 ...499, 501, 513, 583
91064021 559
91081176 .....35, 37
91081177 .....28, 32
91081313 ...39, 41, 63, 65, 89, 91, 505, 507, 509, 511
91081332 ....385, 389, 393
91081354 ....403, 709, 784
91081388 ...155, 159, 163, 175, 179, 183, 607, 609, 611
91081415 .....27, 31, 767
91081445 ...385, 389, 393, 533
91081475 .....15, 20, 347
91081480 709
91081499 .....350, 354
91081573 97
91081574 97
91081577 .....89, 91
91081594 .....89, 91
91081601 587
91081622 .....89, 91
91081640 .....601, 604
91081669 788
91081693 .....27, 767
91081695 .....27, 767
91081737 97
91083069 ...156, 160, 164, 165, 168, 172, 176, 180, 184, 188, 189, 192, 555, 822
91083070 .....555, 822
91083106 ...155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 239, 439, 442, 446
91083107 .. 408, 409, 686, 753, 760, 776, 798
91083128 .. 281, 283, 285, 287
91083136 .. 385, 389, 393, 403, 411, 709, 773, 783, 791
91083155 .. 350, 354, 358, 740, 744
91083173 ..... 15, 19, 23
91083200 555
91083218 .. 156, 160, 164, 165, 168, 172, 176, 180, 184, 188, 192, 199, 203, 208, 211, 216, 219, 223, 228, 231, 236
91083222 .. 241, 243, 245, 247, 249, 251, 253, 255, 257, 415, 419, 423, 443, 447, 451
91083240 479
91083248 .....89, 91
91083249 .....93, 110
91083250 297
91083262 727
91083266 .. 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 239, 442, 446, 451
91083301 .....555, 822
91083312 ... 385, 389, 393
91083314 .. 627, 631, 633, 636, 639, 642, 646, 650
91083317 .. 403, 627, 631, 633, 636, 639, 642, 646, 650
91083318 .. 403, 627, 631, 633, 636, 639, 642, 646, 650
91083333 706
91083339 439
91083367 97
91083368 97
91083418 .. 199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 439
91083430 693
91083440 .....609, 611
91083449 .... 31, 442, 446, 452
91083456 .. 199, 203, 208, 211, 219, 223, 228, 231, 823
91083471 733
91083480 .....35, 37
91083483 601
91083490 .....696, 802
91083491 .....271, 273
91083492 .. 627, 631, 633, 636, 639, 642, 646, 650
91083493 .. 164, 168, 184, 188
91083518 555
91083533 ..... 16, 20, 275, 277, 279, 451
91083535 .. 712, 716, 793, 795
91083547 ... 403, 772, 783
91083560 297
91083574 693
91084001 ...156, 160, 164, 165, 168, 176, 180, 184, 188
91084022 .....555, 822
91084043 ....533, 535, 537
91084046 .....307, 309
91084047 .....307, 309
91084162 ...200, 204, 209, 211, 220, 224, 229, 231, 821
91084227 727
91084228 727
91084282 ...408, 409, 686, 753, 760, 777, 798
91084284 565
91084285 565
91084286 565
91084289 565
91084290 565
91084291 565
91084294 565
91084298 565
91084299 565
91084302 565
91084308 733
91084311 .....241, 251
91084319 561
91084320 561
91084321 561
91084322 561
91084323 561
91084324 561
91084325 561
91084327 561
91084328 561
91084329 561
91084331 561
91084332 561
91084359 ...408, 409, 686, 753, 760, 777, 798
91084362 565
91085056 97
91085058 89
91085071 696
91085073 693
91085091 57
91085137 .....419, 423
91086130 ...199, 203, 208, 211, 219, 223, 228, 231
91086131 ...200, 204, 209, 212, 220, 224, 229, 232
91086151 .....57, 820
91086152 57
91094026 557
91094027 557
91094028 .....557, 567
91094029 .....557, 567
91094030 557
91094031 557
91094032 557
91094033 557
91094034 557
91094035 557
91094037 557
91094038 557
91094039 557
91094040 557
91113003 581
91120003 .....27, 767
91120004 .....27, 767
91121023 .....47, 820
91121024 .....47, 820
91121079 .....63, 65
91121082 . 49, 51, 53, 820
91121083 . 49, 51, 53, 820
91121091 .....27, 767
91121134 .. 461, 463, 485, 489, 620, 668, 676, 686, 712, 716, 756, 760, 764, 772, 780, 783, 793, 795, 799
91121145 .....702, 706
91121146 .....702, 706
91121151 .....807, 809
91121157 .....47, 820
91121159 ... 712, 716, 793
91121216 .....807, 809
91121239 .....27, 767
91121240 .....27, 767
91121283 ... 668, 764, 799
91121308 57
91121309 57
91123018 .....63, 65
91123019 .. 49, 51, 53, 55, 820
91123021 ..... 49, 51, 820
91123027 .....27, 767
91123028 .....27, 767
91123029 .....27, 767
91123030 .....27, 767
91123031 .....28, 768
91123037 .. 653, 655, 657, 659, 661
91123038 .. 653, 655, 657, 659, 661
91123042 .. 653, 655, 657, 659, 661, 663
91123043 .. 653, 655, 657, 659, 661, 663
91123044 .. 653, 655, 657, 659, 661, 663
91123045 .. 653, 655, 657, 659, 661, 663
91123050 ... 408, 776, 798
91123051 .....411, 791
91123054 .. 461, 463, 485, 489, 620, 668, 676, 686, 712, 716, 756, 760, 764, 772, 780, 783, 793, 795, 799, 820
91123062 .. 408, 676, 683, 686, 751, 753, 756, 760, 776, 780, 798
91123065 .....702, 706
91123089 .. 493, 495, 497, 499, 501, 503, 505, 507
91123092 ... 442, 446, 451
91123115 69
91123119 309
91123124 .....15, 19
91123127 305
91123130 305
91123132 131
91123154 ... 620, 668, 764
91123155 ... 620, 668, 764
91123160 679

91123176 373
91123177 ..... 807, 809
91123181 ..... 373, 375
91123182 ..350, 354, 358, 740, 744, 748
91124083 733
91124084 733
91124085 733
91124086 733
91124087 ..... 519, 729
91124093 401
91124094 315
91124096 ..501, 517, 519, 583, 729
91124103 583
91124107 ..... 15, 20
91124125 ..156, 160, 164, 167, 176, 180, 184, 187
91125002 337
91125003 337
91125106 ..350, 354, 358, 740, 744, 748
91126032 ..620, 668, 764, 799
91140001 .....15, 19, 24
91141056 ..... 49, 51
91141058 ..... 49, 51
91141062 ..... 49, 51
91141078 ..... 63, 65
91141102 ..... 275, 277
91141103 ..... 275, 277
91141120 63
91141121 ..... 63, 65
91141123 ...499, 501, 503
91141124 ..... 499, 501
91141128 61
91141144 ....65, 676, 686, 756, 760, 772, 780, 783, 799
91141148 ..... 63, 65
91141149 63
91141152 ..... 63, 65
91141158 ..499, 501, 686, 772, 799
91141194 ..... 712, 793
91141210 ..461, 463, 676, 686, 756, 760, 772, 780, 783
91141218 .....15, 19, 23
91141231 275
91141259 ..... 807, 809
91141260 ...671, 673, 788
91141261 ...671, 673, 788
91141301 ..... 45, 47
91141302 ..45, 47, 49, 51, 53, 55, 820
91141303 ..45, 47, 49, 51, 53, 55, 820
91141329 .....16, 20, 347
91141331 696
91141342 381
91141350 ....93, 104, 110, 133
91141358 ..... 63, 65
91141359 ..... 63, 65
91141364 ..... 702, 706
91141424 ..... 27, 767
91141429 601
91141432 523
91141436 .....15, 19
91141459 ..350, 354, 358, 744
91141480 371
91141485 275
91141511 .....307, 309
91141512 .....702, 706
91143001 499
91143003 509
91143007 513
91143013 ..243, 245, 247, 253, 255, 257
91143017 549
91143020 401
91143024 ...461, 686, 820
91143025 .....63, 65
91143026 63
91143027 63
91143029 275
91143030 ..156, 160, 164, 168, 176, 180, 184, 188
91143031 ..156, 160, 164, 168, 176, 180, 184, 188
91143032 ..156, 160, 164, 168, 176, 180, 184, 188
91143041 549
91143045 275
91143047 531
91143049 565
91143051 .....15, 19
91143058 ...416, 420, 424
91143059 ...415, 419, 423
91143083 .....499, 501
91143087 ..241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 415, 419, 423
91143105 ..623, 668, 764, 776, 798
91143107 ...411, 623, 791
91143108 ...381, 807, 809
91143109 .....63, 65
91143114 373
91143117 .....702, 706
91143120 ..627, 631, 633, 636, 639, 642, 646, 650
91143121 ..155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 415, 419, 423
91143122 ..199, 203, 209, 211, 219, 223, 229, 231
91143124 ..199, 203, 208, 211, 219, 223, 228, 231, 601
91143127 .....373, 375
91143128 .....373, 375
91143131 ..156, 160, 164, 168, 176, 180, 184, 188
91143133 555
91143139 275
91143140 545
91143141 ..620, 668, 764, 799
91143143 ..241, 243, 245, 247, 251, 253, 255, 257, 415, 419
91143146 696
91143147 696
91143155 ...671, 673, 788
91143161 577
91143162 ..627, 631, 633, 636, 639, 642, 646, 650
91143168 .45, 49, 53, 820
91143172 ...305, 321, 555
91143182 ..627, 631, 633, 636, 639, 642, 646, 650
91143186 505
91143187 ..... 696, 802
91143199 307
91143200 ...385, 389, 393
91143201 533
91143202 ..627, 631, 639, 642
91143214 493
91143218 555
91143251 ..... 63, 65
91143267 ..... 350, 362
91143273 ..... 427, 431
91143274 523
91143275 97
91143276 97
91143277 97
91143280 ..627, 631, 633, 637, 639, 642, 646, 651
91143281 ..627, 631, 633, 636, 639, 642, 646, 650
91143282 ....94, 105, 110, 118, 627, 631, 633, 636, 639, 642, 646, 650, 653, 655, 657, 659, 661, 663
91143283 ..627, 631, 633, 636, 639, 642, 646, 650
91143284 ..627, 631, 633, 636, 639, 642, 646, 650
91143285 ..627, 631, 633, 636, 639, 642, 646, 650
91143286 ..627, 631, 633, 636, 639, 642, 646, 650
91143288 ..627, 631, 633, 636, 639, 642, 646, 650
91143290 ..653, 655, 657, 659, 661, 663
91143292 ..627, 631, 639, 642
91143295 653
91143296 653
91143308 297
91143314 ..171, 191, 199, 203, 208, 211, 219, 223, 228, 231, 239, 823
91143315 ..155, 159, 163, 175, 179, 183, 607
91143316 ...271, 273, 823
91143324 501
91143328 275
91143329 ..155, 159, 163, 167, 175, 179, 183, 187, 821
91143331 373
91143333 ..350, 354, 359, 375, 378
91143335 ..350, 354, 358, 378
91143338 523
91143342 397
91143344 ..155, 159, 163, 167, 175, 179, 183, 187
91143345 ..155, 159, 163, 167, 175, 179, 183, 187
91143346 15
91143348 ..... 15, 19, 275, 277
91143352 ... 281, 283, 285
91143353 .....281, 283
91143354 451
91143355 65
91143357 . 15, 19, 23, 823
91143361 ..350, 354, 359, 375, 740, 744, 748
91143371 .....408, 683
91143372 547
91143373 .....668, 799
91144002 ..241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261
91144003 ..499, 501, 503, 822
91144004 ..493, 509, 525, 822
91144005 ...513, 583, 822
91144006 ..517, 519, 729, 822
91144008 275
91144015 565
91144016 499
91144017 ..493, 499, 505, 509, 513, 525, 733
91144018 .....499, 501
91144019 .....499, 501
91144020 .....499, 501
91144021 499
91144023 493
91144024 .....493, 509
91144025 493
91144026 509
91144027 509
91144028 509
91144029 505
91144030 505
91144032 513
91144033 513
91144034 .....513, 583
91144035 513
91144037 517
91144038 ...517, 519, 729
91144039 .....517, 519
91144040 ...517, 519, 729
91144062 531
91144092 561
91144093 561
91144094 561
91144095 561
91144098 .....561, 563
91144099 .....561, 563
91144125 .....505, 729
91144126 505
91144127 505
91144128 ..505, 517, 519, 525, 583, 733
91144130 577
91144131 577
91144132 577
91144133 577
91144134 577

91144138 577
91144139 577
91144140 577
91144161 550
91144162 549
91144163 550
91144164 549
91144165 549
91144166 549
91144167 549
91144169 559
91144171 559
91144172 559
91144173 559
91144174 559
91144175 333
91144176 333
91144177 333
91144178 333
91144179 333
91144180 333
91144181 333
91144182 333
91144183 333
91144184 333
91144185 333
91144186 333
91144187 333
91144188 333
91144189 333
91144190 401
91144192 401
91144194 ....550, 756, 772
91144197 397
91144248 557
91144249 .....505, 822
91144250 549
91144252 549
91144254 ...550, 676, 756, 772
91144255 549
91144256 549
91144257 549
91144258 549
91144259 549
91144260 549
91144261 549
91144262 549
91144263 549
91144264 549
91144265 549
91144266 550
91144326 .....307, 309
91144327 .....307, 309
91144328 .....307, 309
91144329 .....307, 309
91144332 .....307, 309
91144333 311
91144334 311
91144335 311
91144336 311
91144337 311
91144338 311
91144339 311
91144340 311
91144341 311
91144342 311
91144343 311
91144344 311
91144345 311
91144346 311
91144347 311
91144348 311
91144349 311
91144350 311
91144351 311
91144352 311
91144353 311
91144354 311
91144355 311
91144356 311
91144357 311
91144358 311
91144359 311
91144360 311
91144361 311
91144362 311
91144363 311
91144364 311
91144365 311
91144366 311
91144367 311
91144368 311
91144369 .....313, 315
91144370 .....313, 315
91144371 .....313, 315
91144372 .....313, 315
91144373 .....313, 315
91144374 .....313, 315
91144375 313
91144376 .....313, 315
91144377 .....313, 315
91144378 .....313, 315
91144379 .....313, 315
91144380 .....313, 315
91144381 .....313, 315
91144382 317
91144383 318
91144384 318
91144385 318
91144386 317
91144387 317
91144388 317
91144389 317
91144390 317
91144391 317
91144392 317
91144393 317
91144394 317
91144395 317
91144396 317
91144397 317
91144398 317
91144399 317
91144400 317
91144401 317
91144402 317
91144403 317
91144404 317
91144405 317
91144406 317
91144407 317
91144408 317
91144410 561
91144411 561
91144412 561
91144413 561
91144414 567
91144415 567
91144416 567
91144417 567
91144418 567
91144419 567
91144420 567
91144421 567
91144422 567
91144423 567
91144424 567
91144425 567
91144430 345
91144431 397
91144432 397
91144433 397
91144435 363
91144438 .....16, 21
91144439 .....16, 21
91144440 712
91144442 .....313, 315
91144444 501
91144445 501
91144448 401
91144450 .....313, 315
91144451 .....313, 315
91144452 .....313, 315
91144453 .....313, 315
91144458 401
91144460 547
91144461 547
91144462 547
91144463 547
91144464 547
91144465 547
91144466 547
91144467 547
91144473 375
91144474 565
91144475 565
91144476 362
91144477 362
91144478 362
91144479 493
91144480 577
91145018 712
91145036 709
91145038 .....627, 653
91145042 767
91145051 .....63, 65
91145052 .....63, 65
91145067 523
91145074 686
91145075 668
91145079 683
91145080 735
91145081 .....671, 673
91145085 275
91145086 ....385, 389, 393
91145087 ....385, 389, 393
91145088 ....385, 389, 393
91145089 385
91145090 403
91145091 403
91145099 28
91145119 305
91146014 45
91146015 49
91146016 53
91146018 .....49, 63
91146021 .. 156, 160, 164, 168, 176, 180, 184, 188
91146023 .....63, 65
91146025 63
91146026 .....63, 65
91146028 .. 461, 686, 712, 716, 772, 799, 820
91146037 .. 199, 203, 208, 211, 219, 223, 228, 231, 297
91146042 .....403, 709
91146043 .....403, 709
91146050 ..... 15, 19, 23
91146052 .....493, 495
91146053 .... 93, 104, 110, 133
91146054 .... 93, 104, 110, 133
91146056 .. 155, 159, 163, 167, 175, 179, 183, 187
91146058 .. 199, 203, 208, 211, 219, 223, 228, 231
91146073 15
91146081 16
91146087 523
91146090 47
91146091 51
91146092 55
91146093 65
91146099 .. 350, 354, 358, 378
91146101 .. 156, 160, 164, 168, 176, 180, 184, 188
91146102 ... 385, 389, 393
91146108 ... 385, 389, 393
91146119 .....408, 683
91151004 716
91151006 716
91153006 291
91153007 .. 281, 283, 285, 287
91153012 275
91153021 ... 281, 283, 285
91153029 653
91153030 653
91153031 .....271, 273
91153050 679
91154001 .. 156, 160, 164, 176, 180, 184, 188, 291
91154005 291
91154006 577
91154007 577
91155003 716
91155016 .....271, 273
91155027 686
91155030 737
91155038 .....639, 653
91156005 15
91161016 .....39, 525
91161066 .....28, 32
91161067 .....28, 32
91161068 .....28, 32
91161069 39
91161080 .....39, 525
91161083 ... 671, 673, 788
91161210 555
91161269 .. 583, 671, 673, 788
91161272 531

91161323 ..155, 159, 163, 167, 175, 179, 183, 187
91161379 671
91163011 ...241, 251, 261
91163012 401
91163014 ..... 39, 41
91163016 525
91163019 32
91163023 567
91163027 541
91163028 ..627, 631, 633, 636, 639, 642, 646, 650
91163035 ..... 299, 301
91163041 ..... 443, 447
91163042 ..... 442, 446
91163044 557
91163045 583
91163048 561
91163049 671
91163052 ..... 442, 446
91163053 ..... 442, 446
91163054 ..... 443, 447
91163055 ..... 442, 446
91163068 559
91163069 ...443, 447, 620
91163077 ..655, 657, 659, 661, 663
91163078 ..655, 657, 659, 661, 663
91163087 ..627, 631, 633, 636, 639, 642, 646, 650
91163093 385
91163094 459
91163095 459
91163096 ..485, 489, 676, 686, 756, 760, 772, 776, 780, 783, 798
91163097 ..485, 489, 676, 686, 756, 760, 772, 776, 780, 783, 798
91163098 ..199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 239, 415, 419, 423, 443, 447, 451
91163109 ...385, 389, 393
91163110 ...386, 390, 394
91163122 ..155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 439, 442, 446, 451
91163125 475
91163126 475
91163127 475
91163128 475
91163129 ..279, 281, 283, 285, 287
91163130 ..627, 631, 633, 636, 639, 642, 646, 650
91163133 ..... 442, 446
91163134 ..... 442, 446
91163137 ..281, 283, 285, 287
91163138 ..79, 86, 89, 91, 93, 97, 105, 109, 676, 712, 756, 760, 780, 793
91163139 ..79, 89, 91, 93, 97, 105, 109, 676, 712, 756, 760, 780, 793
91163140 .....427, 431
91163141 555
91163164 579
91163166 .....461, 463
91163167 .....461, 463
91163178 517
91163184 ..627, 631, 633, 636, 639, 642, 646, 650
91163201 ..199, 203, 208, 211, 215, 219, 223, 228, 231, 235, 439, 442, 446, 451
91163211 531
91163212 ..639, 642, 646, 650
91163217 457
91163218 457
91163219 457
91163220 457
91163236 802
91163242 802
91163245 543
91163246 .....475, 477
91163256 .....639, 642
91163259 ..156, 160, 164, 168, 176, 180, 184, 188
91163260 ..155, 159, 163, 167, 175, 179, 183, 187
91163268 297
91163269 131
91164017 557
91164018 517
91164019 729
91164020 729
91164021 729
91164022 729
91164024 729
91164025 729
91164027 .....517, 519
91164028 583
91164029 583
91164030 583
91164031 583
91164032 525
91164033 525
91164034 525
91164035 525
91164036 525
91164037 .....495, 497
91164049 559
91164050 559
91164051 559
91164057 579
91164058 579
91164059 579
91164060 579
91164063 579
91164083 543
91164086 345
91164087 .....345, 347
91164088 345
91164089 .....345, 363
91164092 345
91164094 .....345, 347
91164095 345
91164096 .....345, 363
91164098 563
91164099 362
91164100 362
91164101 363
91164102 362
91164103 531
91164104 ..241, 249, 251, 259
91164106 531
91164107 543
91164112 ..156, 160, 164, 168, 176, 180, 184, 188
91164113 ..156, 160, 164, 168, 176, 180, 184, 188
91164114 ..156, 160, 164, 168, 176, 180, 184, 188
91164115 ..156, 160, 164, 168, 176, 180, 184, 188
91164118 156
91164440 75
91165013 555
91165031 579
91165040 529
91166008 39
91166011 39
91166012 ..... 27, 767
91166013 ..... 671, 673
91166055 ....27, 443, 447, 767
91166056 ....27, 443, 447, 767
91166062 ....57, 493, 495, 583, 585, 671, 673, 788
91166063 ..... 28, 768
91166068 ..463, 485, 489, 676, 756, 760, 780, 783, 793, 795, 820
91166075 ..155, 159, 163, 167, 175, 179, 183, 187
91203039 ...668, 764, 799
91203137 ..... 171, 191
91203138 ..... 172, 192
91204468 729
91204469 729
91213002 ..... 443, 447
91301020 ..403, 683, 687, 696, 751, 761, 772, 783, 802
91301083 91
91303019 ..408, 676, 683, 751, 756, 780
91303021 15
91303037 ..... 405, 822
91303038 696
91303041 ..... 696, 802
91303047 ..627, 631, 633, 636, 639, 642, 646, 650
91303049 451
91304026 405
91305016 91
91323030 ..627, 631, 633, 636
91331014 ..208, 228, 607, 609, 611
91333013 ...163, 183, 607
91333023 555
91333036 ..653, 655, 657, 659, 661
91334005 345
91334007 362
91334008 362
91334009 362
91334010 362
91334012 362
91334013 362
91334014 362
91334015 362
91334016 362
91334017 362
91334018 .....362, 363
91334021 362
91334024 362
91334028 362
91334030 362
91334032 362
91334033 .....362, 363
91334034 .....362, 363
91334038 .....609, 611
91334135 362
91335013 .....408, 753
91335014 .....408, 683
91341001 587
91341003 788
91341007 ... 408, 776, 798
91341012 807
91341013 807
91341015 .....411, 791
91341018 776
91341019 ... 408, 776, 798
91341020 .....411, 791
91341021 ... 620, 776, 798
91341022 ... 620, 776, 798
91341026 .....411, 791
91341027 .....411, 791
91341028 285
91341029 .....45, 47
91343003 679
91343005 ..627, 631, 633, 636
91343009 627
91343011 ..200, 204, 209, 220, 224, 229
91343012 .....676, 772
91343013 627
91343015 291
91343016 ..627, 631, 633, 636, 639, 642, 646, 650
91343017 627
91343018 627
91343019 627
91343020 ... 627, 639, 642
91343023 285
91343026 ... 409, 776, 798
91343031 807
91343040 ... 740, 744, 748
91343052 31
91343053 105
91343054 ... 620, 776, 798
91343055 627
91343063 ... 631, 633, 636
91343064 ... 631, 633, 636
91343065 ... 631, 633, 636
91343066 ... 631, 633, 637
91343067 ... 631, 633, 637
91343069 ..627, 631, 633, 637, 639
91343070 .....655, 657
91343071 .....655, 657
91343072 679
91343073 ..627, 631, 633, 636, 642, 646, 650

91343074 375
91343203 134
91343204 ...134, 627, 631, 633, 637
91343212 ...677, 761, 772, 776, 783, 799
91343213 ...676, 760, 772, 783, 799
91343215 .....65, 485, 489, 677, 756, 761, 772, 780, 783
91343218 .....389, 393
91343219 321
91343220 321
91343221 607
91343223 ...463, 756, 780, 820
91343224 ....463, 756, 780
91343225 .....764, 793
91343227 65
91343228 511
91343229 515
91343230 507
91343231 495
91343232 503
91343233 521
91343234 585
91343235 527
91344004 823
91344006 362
91344010 363
91344011 363
91344012 362
91344013 .....363, 368
91344014 362
91344015 362
91344016 362
91344017 .....363, 368
91344018 ....363, 364, 369
91344019 .....362, 363
91344020 .....363, 368
91344025 363
91344026 .....363, 369
91344027 363
91344028 362
91344029 362
91344030 362
91344031 .....362, 363
91344032 363
91344043 369
91344045 363
91344046 .....363, 369
91344047 363
91344048 ...243, 245, 247, 253, 255, 257
91344049 ...243, 245, 247, 253, 255, 257
91344050 ...243, 245, 247, 253, 255, 257
91344052 823
91344053 807
91345001 ...155, 159, 163, 199, 203, 208
91345002 679
91345003 350
91345005 .....587, 679
91345007 531
91345008 ....208, 228, 607
91345009 788
91345010 .. 408, 676, 756, 780
91345013 807
91345015 676
91345017 772
91345018 798
91345019 .....167, 211
91345020 .....409, 776
91345022 .....411, 791
91345026 104
91345031 776
91345032 679
91345033 780
91345034 760
91345035 783
91345039 ... 627, 631, 655
91345041 607
91345042 285
91345048 .....637, 651
91345050 .....637, 651
91345051 133
91345076 681
91345079 607
91346002 .....411, 791
91346003 ... 409, 776, 798
91346004 ... 408, 776, 798
91346008 31
91346010 ... 408, 776, 798
91346011 ... 668, 764, 799
91353004 679
91353006 .. 639, 642, 646, 650
91353008 639
91353009 ... 642, 646, 650
91353010 639
91353011 639
91353012 639
91353014 .....659, 661
91353015 .....659, 661
91353019 ... 642, 646, 650
91353020 ... 642, 646, 650
91353021 ... 642, 646, 650
91353022 ... 642, 646, 650
91353024 ... 642, 646, 651
91353025 679
91353026 .....642, 646
91353027 ... 642, 646, 651
91353028 .....623, 764
91353062 134
91353063 .. 134, 639, 642, 646, 651
91355001 .. 175, 179, 183, 219, 223, 228
91355004 793
91355007 780
91355008 760
91355009 620
91355010 .....643, 659
91355011 756
91355012 679
91355013 776
91355014 .....187, 231
91355015 783
91355022 .....643, 659
91355034 341
91355035 341
91355037 341
91355038 341
91355042 681
91361001 702
91361002 702
91361003 .....702, 706
91361004 .....702, 707
91361005 .....16, 20, 347
91361007 .....16, 20
91361008 371
91361018 ...350, 354, 358, 378
91361019 802
91361023 ...403, 709, 772, 783
91361038 .....212, 232
91361048 ..47, 51, 55, 820
91361049 .....51, 55, 820
91363002 473
91363008 .....702, 706
91363009 .....703, 707
91363018 .....21, 277
91363019 .....362, 699
91363021 ...609, 611, 613, 615
91363022 ...199, 203, 219, 223
91363025 .....401, 822
91363026 587
91363027 587
91363028 ....168, 188, 587
91363029 ...156, 160, 164, 168, 176, 180, 184, 188
91363030 587
91363031 ...156, 160, 164, 176, 180, 184, 607
91363032 ...627, 631, 633, 639
91363033 ...155, 159, 175, 179
91363034 373
91363035 613
91363036 ....403, 577, 783
91363037 381
91363038 ...200, 204, 220, 224
91363039 ...200, 204, 220, 224
91363040 751
91363041 ...408, 409, 753, 776, 798
91363043 ...408, 409, 676, 683, 686, 751, 753, 756, 760, 776, 780, 798
91363044 .....687, 761
91363045 ...408, 676, 757, 780
91363054 .....613, 615
91363055 802
91363056 802
91363063 291
91363065 .....16, 21
91363066 .....607, 609
91363070 ...627, 631, 633, 642, 646
91363073 .....703, 707
91363079 723
91363081 .....673, 788
91363085 57
91363087 .....702, 706
91363128 .....636, 650
91363140 .....636, 650
91363158 323
91363201 .....299, 301
91363206 .....249, 259
91363210 ..... 15, 19, 23
91363211 563
91363215 341
91364004 373
91364005 .....373, 375
91364006 373
91364007 373
91364008 .....373, 375
91364009 .. 609, 611, 613, 615
91364010 .....613, 615
91364012 .....613, 615
91364013 .....613, 615
91364014 .....613, 615
91364023 293
91364026 325
91364027 325
91364028 325
91364029 325
91364030 325
91364031 325
91364032 325
91364033 325
91364034 325
91364035 .....325, 822
91364036 .....325, 822
91364037 325
91364038 325
91364039 325
91364040 325
91364041 327
91364042 327
91364043 327
91364044 327
91364045 327
91364046 329
91364047 329
91364048 329
91364049 329
91364050 329
91364051 329
91364052 329
91364053 329
91364054 329
91364055 329
91364056 329
91364057 329
91364058 329
91364059 329
91364060 329
91364061 329
91364062 329
91364063 329
91364064 329
91364065 329
91364066 329
91364067 329
91364068 329
91364069 329
91364070 329
91364071 329
91364072 329
91364073 329
91364074 329
91364075 329
91364076 329

91364077 329
91364078 329
91364079 ..... 329, 822
91364080 ..... 329, 822
91364081 329
91364082 329
91364083 329
91364084 329
91364085 329
91364086 330
91364087 330
91364088 330
91364089 330
91364090 330
91364091 330
91364092 330
91364093 330
91364094 330
91364095 330
91364096 330
91364097 330
91364098 330
91364099 ..... 249, 259
91364100 ..... 249, 259
91364101 723
91364102 723
91364103 723
91364104 723
91364105 723
91364106 723
91364107 723
91364108 723
91364109 723
91364110 723
91364111 723
91364112 723
91364113 723
91364114 723
91364115 723
91364116 723
91364117 723
91364118 723
91364119 723
91364120 723
91364121 723
91364122 723
91364123 723
91364124 723
91364125 723
91364126 723
91364127 723
91364128 723
91364129 723
91364130 723
91364131 723
91364132 723
91364133 723
91364134 724
91364135 724
91364136 724
91364137 724
91364138 724
91364139 724
91364140 724
91364141 724
91364143 ..... 561, 563
91364144 563
91364145 563
91364146 563
91364148 563
91365001 751
91365002 753
91365003 702
91365005 696
91365008 .. 156, 160, 164, 176, 180, 184, 188, 821
91365012 373
91365013 613
91365014 .. 156, 160, 164, 176, 180, 184, 607
91365016 381
91365017 740
91365019 ... 403, 772, 783
91365021 802
91365024 696
91365028 581
91365037 ... 671, 673, 788
91365042 .. 164, 168, 188, 821
91365045 .....702, 706
91365051 ... 637, 651, 663
91365074 .....637, 651
91365076 341
91366002 15
91366003 15
91366004 ..... 15, 19, 23
91366006 16
91366007 .. 408, 676, 751, 756, 780
91366008 .. 408, 686, 753, 760
91366009 ... 403, 773, 783
91366014 .....673, 788
91366015 .. 620, 668, 764, 799
91366017 15
91373009 ... 208, 228, 607
91373011 378
91375005 378
913D1018 .....408, 798
91401081 31
91401281 604
91403031 31
91403033 32
91403034 31
91403065 31
91403066 .....31, 767
91403067 31
91403078 31
91403079 31
91403082 31
91403098 195
91403145 .....31, 32
91403146 31
91403163 31
91403164 31
91403165 31
91403166 31
91403193 .....339, 341
91403213 123
91403216 ... 171, 191, 299
91403225 .....513, 515
91403226 .....513, 515
91403230 . 16, 20, 23, 133
91403265 .....171, 191
91403295 817
91403354 32
91403355 32
91403372 31
91403413 .. 79, 89, 91, 93, 97, 105, 109, 115, 127, 129, 147, 151, 485, 489, 793, 795
91403414 .. 79, 86, 89, 91, 93, 97, 105, 109, 115, 123, 129, 147, 151, 485, 489, 793, 795
91403443 ... 354, 358, 744
91403448 79
91403462 450
91403463 450
91403466 450
91403467 450
91403503 706
91403574 ..... 15, 823
91403588 335
91403592 537
91403601 ..... 299, 301
91404018 563
91404019 563
91404020 563
91404021 563
91404023 563
91404027 563
91404028 563
91404030 563
91404031 563
91404032 ..... 561, 563
91404033 563
91404034 563
91404085 .. 263, 265, 267, 821
91404202 ..... 517, 519
91404229 ... 263, 265, 267
91404233 ... 263, 265, 267
91404234 ... 263, 265, 267
91404242 ... 263, 265, 267
91404253 ... 263, 265, 267
91404255 ... 263, 265, 267
91404256 ... 263, 265, 267
91404257 ... 263, 265, 267
91404258 ... 263, 265, 267
91404259 ... 263, 265, 267
91404262 ... 263, 265, 267
91404266 ... 263, 265, 267
91404267 ... 263, 265, 267
91404268 ... 263, 265, 267
91404296 368
91404297 368
91404298 368
91404301 368
91404302 ..... 347, 369
91404303 368
91404305 368
91404306 368
91404326 405
91404327 405
91404352 493
91404383 569
91404386 569
91404388 569
91404389 569
91404392 569
91404394 569
91404395 569
91404396 569
91404408 569
91404409 569
91404411 569
91404412 569
91404413 569
91404416 569
91404418 569
91404419 569
91404420 569
91404421 569
91404435 335
91404436 335
91405035 339
91405036 339
91406021 32
91406098 .....31, 450
91406099 .....31, 450
91411073 ..... 93, 104, 109
91413010 535
91413030 .....299, 301
91413052 706
91413114 321
91414001 335
91414002 335
91414003 335
91414004 .....335, 822
91414005 .....335, 822
91414007 335
91414009 335
91414011 335
91414012 335
91414013 335
91414014 335
91414015 335
91414019 335
91414020 335
91414021 335
91414022 335
91414024 335
91414026 335
91414027 335
91415039 32
91415040 32
91415072 341
91473206 .....339, 341
91473228 .. 199, 203, 208, 211, 219, 223, 228, 231, 601
91473240 805
91474037 .....325, 330
91474039 325
91474058 325
91474060 325
91474061 325
91474064 325
91474065 325
91474066 325
91474075 325
91474095 325
91474098 325
91474115 329
91474116 329
91474126 329
91474128 329
91474136 327
91474137 327
91474139 327
91474140 327
91474141 327
91474142 327

91474143 327
91474144 327
91474145 327
91474146 327
91474147 327
91474149 327
91474151 327
91474155 ..... 329, 822
91474157 329
91474162 330
91474163 330
91474463 ..... 609, 611
91474492 368
91474506 .... 263, 265, 267
91474629 .... 263, 265, 267
91474630 .... 263, 265, 267
91474631 .... 263, 265, 267
91474633 805
91474634 805
91474635 805
91475054 339
91475055 339
91475093 339
91484020 362
91484024 ..... 362, 363
91484028 ..... 363, 369
91484029 ..... 363, 369
91484031 363
91484034 ..... 363, 369
91484035 ..... 363, 369
91484036 ..... 363, 369
91503106 617
91503414 127
91504028 405
91504029 405
91511094 55
91513115 620
91515056 339
91531019 277
91531021 ..... 21, 23
91531026 805
91531027 65
91531029 ... 485, 489, 620, 795
91531034 ..... 486, 490
91531035 ..... 485, 489
91531036 ..... 485, 489
91531040 795
91533001 263
91533004 277
91533005 277
91533006 19
91533007 21
91533015 265
91533017 ... 485, 489, 620
91533018 .. 485, 489, 620, 795
91533021 ..... 485, 489
91534004 .. 172, 192, 263, 265, 267
91534005 .. 172, 192, 263, 265, 267
91534006 ..... 172, 192
91534007 ... 263, 265, 267
91534008 ... 263, 265, 267
91534009 ... 263, 265, 267
91534010 ..... 267, 813
91534011 ... 263, 265, 267
91535004 ..... 171, 215
91535005 277
91535006 .. 633, 637, 657, 663
91535007 609
91535009 817
91535011 ... 172, 192, 821
91535013 744
91535014 354
91535017 339
91535019 339
91535022 805
91535023 620
91535025 485
91535026 795
91536001 19
91536006 19
91536007 19
91536008 19
91536012 ..... 171, 191
91536013 ..... 171, 191
91536014 ..... 171, 191
91536015 ..... 171, 191
91536016 21
91536017 ..... 485, 490
91536019 65
91536020 55
91536021 51
91536024 47
91536025 55
91543001 263
91543002 341
91543003 267
91543004 651
91545004 ..... 191, 235
91545005 ... 646, 651, 661, 663
91545008 341
91545010 341
91546001 19
91551019 ..... 277, 279
91551036 817
91551037 ... 503, 676, 756, 760, 780, 783
91551039 32
91553001 287
91553002 277
91553004 277
91553005 609
91553009 .... 171, 191, 821
91553014 287
91553015 287
91553017 ..... 299, 301
91553022 277
91553024 615
91553025 ..... 215, 235
91553026 ..... 215, 235
91553027 375
91553028 ..... 171, 191
91553029 375
91553030 .... 215, 235, 823
91553032 477
91553033 477
91553034 477
91553035 477
91553036 435
91553038 ... 249, 259, 261, 423
91553044 ..... 399, 822
91553045 .... 609, 611, 823
91553046 ..... 171, 191
91553052 450
91553053 450
91553054 450
91553055 450
91553056 519
91553060 299
91553061 435
91553063 ... 633, 636, 646, 650
91553065 ..... 215, 235
91553066 .. 607, 609, 611, 813
91553071 817
91553072 .. 653, 655, 657, 659, 661, 663
91553076 122
91554001 399
91554005 399
91554009 399
91554010 399
91554011 ..... 609, 611
91554012 ..... 609, 611
91554018 617
91554031 ... 216, 236, 823
91554032 ... 263, 265, 267
91554033 ... 263, 265, 267
91554034 ... 517, 519, 729
91554035 ..... 517, 519
91554036 519
91554037 375
91554038 375
91555006 321
91555009 615
91555010 375
91555011 ..... 389, 393
91555025 813
91555026 ..... 637, 651
91555027 ..... 637, 651
91555028 ..... 637, 651
91555029 ..... 637, 651
91555031 32
91555032 32
91556010 ..... 215, 235
91556011 ..... 215, 235
91556012 ..... 215, 235
91556016 23
91563158 ..... 20, 23
91563164 24
91563197 41
91563198 41
91563199 41
91563208 401
91563244 497
91564003 .. 119, 122, 126, 127
91565064 21
91565094 101
91566050 41
91566051 41
H0453002 131





Corporate Office
JLG Industries, Inc.
1 JLG Drive
McConnellsburg, PA 17233-9533
USA
☎ *+1-717-485-5161 (Corporate)*
☎ *+1-877-554-5438 (Customer Support Toll Free)*
+1-717-485-6417

JLG Worldwide Locations

JLG Industries
358 Park Road
Regents Park
NSW 2143
Sydney 2143
Australia
☎ +6 (12) 87186300
+6 (12) 65813058
Email: techservicesaus@jlg.com

JLG Ground Support Oude
Bunders 1034
Breitwaterstraat 12A
3630 Maasmechelen
Belgium
☎ +32 (0)89 84 82 26
Email: emeaservice@jlg.com

JLG Latino Americana LTDA
Rua Antonia Martins Luiz, 580
Distrito Industrial Joao Narezzi
Indaiatuba-SP 13347-404
Brasil
☎ +55 (19) 3936 7664 (Parts)
☎ +55 (19) 3936 9049 (Service)
Email: comercialpecas@jlg.com
Email: servicos@jlg.com

Oshkosh-JLG (Tianjin)
Equipment Technology LTD
Shanghai Branch
No 465 Xiao Nan Road
Feng Xian District
Shanghai 201204
China
☎ +86 (21) 800 819 0050

JLG Industries Dubai
Jafza View
PO Box 262728, LB 19
20th Floor, Office 05
Jebel Ali, Dubai
☎ +971 (0) 4 884 1131
+971 (0) 4 884 7683
Email: emeaservice@jlg.com

JLG France SAS
Z.I. Guillaume Mon Amy
30204 Fauillet
47400 Tonniens
France
☎ +33 (0) 553 84 85 86
+33 (0) 553 84 85 74
Email: pieces@jlg.com

JLG Deutschland GmbH
Max Planck Str. 21
27721 Ritterhude-Ihlpohl
Germany
☎ +49 (0) 421 69350-0
+49 (0) 421 69350-45
Email: german-parts@jlg.com

JLG Equipment Services Ltd.
Rm 1107 Landmark North
39 Lung Sum Avenue
Sheung Shui N. T.
Hong Kong
☎ +(852) 2639 5783
+(852) 2639 5797

JLG Industries (Italia) S. R. L.
Via Po, 22
IT-20010 Pregnana Milanese (MI)
Italy
☎ +39 (0) 2 9359 5210
+39 (0) 2 9359 5211
Email: ricambi@jlg.com

JLG EMEA B.V.
Polaris Avenue 63
2132 JH Hoofdorf
The Netherlands
☎ +31 (0) 23 565 5665
Email: emeaservice@jlg.com

JLG NZ Access Equipment & Services
2B Fisher Cresent
Mt Wellington 1060
Auckland, New Zealand
☎ +6 (12) 87186300
+6 (12) 65813058
Email: techservicesaus@jlg.com

JLG Industries
Vahutinskoe shosse 24b
Khimki,
Moscow Region 141400
Russia Federation
☎ +7 (499) 922 06 99
+7 (499) 922 06 99

Oshkosh-JLG Singapore
Technology Equipment P te Ltd.
35 Tuas Avenue 2
Jurong Industrial Estate
Singapore 639454
☎ +65 6591 9030
+65 6591 9045
Email: SEA@jlg.com

JLG Iberica S. L.
Trapadella, 2
Pol. Ind. Castellbisbal Sur
08755 Castellbisbal
Barcelona
Spain
☎ +34 (0) 93 772 47 00
+34 (0) 93 77 117 62
Email: parts_iberica@jlg.com

JLG Sverige AB
Enkopingsvagen 150
17627 Jarfalla
Sweden
☎ +46 (0) 8 506 595 00
+46 (0) 8 506 595 27
Email: nordicsupport@jlg.com

JLG Industries (UK) Ltd.
Bentley House
Bentley Avenue
Middleton, Greater Manchester
M24 2GP
United Kingdom
☎ +44 (0) 161 654 1000
+44 (0) 161 654 1003
Email: ukparts@jlg.com