



PART MANUAL

GRADALL®

534C-9
534C-10
2460-4100

August 25, 2006
534C-9 - 0344001 to Present
534C-10 - 0266001 to Present

CORPORATE OFFICE

JLG INDUSTRIES, INC.
1 JLG DRIVE
McConnellsburg, PA
17233-9533
USA
Telephone: (717) 485-5161
Fax: (717) 485-6417

GRADALL DIVISION

JLG INDUSTRIES, INC.
406 Mill Avenue S.W.
New Philadelphia, OH
44663
USA
Telephone: (330) 339-2211
Fax: (330) 339-8458

TABLE OF CONTENTS

SECTION 1 - CHASSIS AND ATTACHING PARTS	9
FIGURE 1-1. FRAME SHROUDING AND TRIM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	10
FIGURE 1-2. FRAME SHROUDING AND TRIM (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	14
FIGURE 1-3. REAR AXLE AND ATTACHING PARTS (SN 0344001 to Present, SN 0266001 to Present)	18
FIGURE 1-4. REAR AXLE AND ATTACHING PARTS (SN 0344436 to Present, SN 0266063 to Present)	22
FIGURE 1-5. FRONT AXLE MOUNTING (SN 0344001 to Present, SN 0266001 to Present)	26
FIGURE 1-6. FRONT AXLE MOUNTING (SN 0344394 to Present, SN 0266057 to Present)	28
FIGURE 1-7. CAB GLASS (SN 0344001 to Present, SN 0266001 to Present)	30
FIGURE 1-8. OUTRIGGER MOUNTING (SN 0266001 to Present)	32
SECTION 2 - BOOM	35
FIGURE 2-1. FIRST BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)	36
FIGURE 2-2. SECOND BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)	38
FIGURE 2-3. THIRD BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present).....	40
FIGURE 2-4. EXTENSION AND RETRACTION CABLES (SN 0344001 to Present, SN 0266001 to Present)	42
FIGURE 2-5. QUICK SWITCH ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present).....	44
FIGURE 2-6. BOOM CROSS SECTION/PUSH BEAM PIN (SN 0344001 to Present, SN 0266001 to Present)	46
SECTION 3 - ATTACHMENTS	47
FIGURE 3-1. BUCKETS (SN 0344001 to Present, SN 0266063 to Present)	48
FIGURE 3-2. BUCKETS (SN 0344001 to Present, SN 0266063 to Present)	50
FIGURE 3-3. (90455051) & (90455052) CARRIAGE ASSEMBLIES (SN 0344001 to Present, SN 0266063 to Present)	52
FIGURE 3-4. (90455051) & (90455052) CARRIAGE ASSEMBLIES (SN 0344001 to Present, SN 0266063 to Present)	54
FIGURE 3-5. (90455011) TRUSS BOOM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present).....	56
FIGURE 3-6. (90455012) TRUSS BOOM W/WINCH (SN 0344001 to Present, SN 0266001 to Present).....	58
FIGURE 3-7. 6FT VERTICAL MAST (SN 0344001 to Present, SN 0266001 to Present).....	62
FIGURE 3-8. (91085058) 48IN SLOPE PILER CARRIAGE (SN 0344001 to Present, SN 0266001 to Present).....	64
FIGURE 3-9. (91305016) 66IN SLOPE PILER CARRIAGE (SN 0344001 to Present, SN 0266001 to Present).....	66
FIGURE 3-10. (90455044) 100, SWING FORK (SN 0344001 to Present, SN 0266001 to Present)	68
FIGURE 3-11. (91085056) QUICK HOOK ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)	72
FIGURE 3-12. (90455047) 6FT SWING MAST W/SIDE SHIFT (SN 0344001 to Present, SN 0266001 to Present).....	74
FIGURE 3-13. (90555013) 100, DRYWALL SWING FORK ASEMBLY.....	78
FIGURE 3-14. (91305021) SWINGING SLOPE PILER (SN 0344001 to Present, SN 0266001 to Present)	82
FIGURE 3-15. (90553011) 180, SWING FRAME STARTING (SN 0344001 to Present, SN 0266001 to Present)	86
FIGURE 3-16. FORK INFORMATION	90
SECTION 4 - ENGINE AND ATTACHING PARTS	93
FIGURE 4-1. (91145126 & 91155002) ENGINE LEFT SIDE VIEW 534C-9 (91143174 CUMMINS ENGINE) (SN 0344001 to Present, SN 0266001 to Present).....	94
FIGURE 4-2. (91145126 & 91155002) ENGINE LEFT SIDE VIEW 534C-10 (91153001 CUMMINS ENGINE) (SN 0344001 to Present, SN 0266001 to Present).....	98
FIGURE 4-3. (91145117 & 91155006) ENGINE LEFT SIDE VIEW 534C-9 (91145117 CUMMINS ENGINE) (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)	102
FIGURE 4-4. (91145117 & 91155006) ENGINE LEFT SIDE VIEW 534C-10 (91155006 CUMMINS ENGINE) (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)	106
FIGURE 4-5. (91145132 & 91155040) ENGINE LEFT SIDE VIEW 534C-9 (91145132 C-9 CUMMINS ENGINE ASSY) 534C-10 (91155040 C-10 CUMMINS ENGINE ASSY) (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	110

TABLE OF CONTENTS

FIGURE 4-6. (91145126 & 91155002) ENGINE RIGHT SIDE VIEW (SN 0344001 to Present, SN 0266001 to Present)	114
FIGURE 4-7. (91145117 & 91155006) ENGINE RIGHT SIDE VIEW (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present).....	118
FIGURE 4-8. (91145132 & 91155040) ENGINE RIGHT SIDE VIEW (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present).....	122
FIGURE 4-9. FUEL TANK AND LINES (SN 0344001 to Present, SN 0266001 to Present)	126
FIGURE 4-10. FUEL TANK AND LINES (SN 0344222 to Present, SN 0266027 to Present)	128
FIGURE 4-11. (91155016) FUEL TANK AND LINES (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present).....	130
FIGURE 4-12. (91145013) RADIATOR ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present).....	132
FIGURE 4-13. (91145131) RADIATOR ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	134
FIGURE 4-14. AIR CLEANER PIPING (SN 0344001 through 0444002)	138
FIGURE 4-15. AIR CLEANER PIPING (SN 0266001 through 0266106)	140
FIGURE 4-16. AIR CLEANER PIPING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present).....	142
FIGURE 4-17. AIR CLEANER STARTING (SN 0344001 through 0444002)	144
FIGURE 4-18. AIR CLEANER (SN 0266001 through 0266106)	146
FIGURE 4-19. AIR CLEANER (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present).....	148
FIGURE 4-20. EXHAUST SYSTEM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	150
FIGURE 4-21. EXHAUST SYSTEM (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)	152
SECTION 5 - DRIVE TRAIN	155
FIGURE 5-1. (91145139) FRONT AXLE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)	156
FIGURE 5-2. (91145140) FRONT AXLE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)	158
FIGURE 5-3. (91145119) FRONT AXLE ASSEMBLY (SN 0344436 to Present, SN 0266063 to Present)	160
FIGURE 5-4. (91143169) FRONT AXLE HOUSING (SN 0344001 to Present, SN 0266001 to Present).....	162
FIGURE 5-5. (91143199) FRONT AXLE (SN 0344394 to Present, SN 0266057 to Present)	164
FIGURE 5-6. (91044422) FRONT AXLE HOUSING (SN 0344001 to Present, SN 0266001 to Present).....	166
FIGURE 5-7. (91144160) PARKING BRAKE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)	168
FIGURE 5-8. FRONT AXLE SHAFT AND PLANETARY WHEEL END (SN 0344001 to Present, SN 0266001 to Present).....	170
FIGURE 5-9. (91144339) (91144337) LEFT/RIGHT HOUSING ASSEMBLY (91144333) (91144335) AXLE SHAFT AND WHEEL FLANGE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)	172
FIGURE 5-10. BRAKE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present).....	174
FIGURE 5-11. BRAKE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present).....	176
FIGURE 5-12. (91144048) FRONT AXLE DIFFERENTIAL CARRIER (SN 0344001 to Present, SN 0266001 to Present).....	178
FIGURE 5-13. CARRIER ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present).....	182
FIGURE 5-14. (91043472) REAR STEERING AXLE DRIVE HUB (SN 0344001 to Present, SN 0266001 to Present).....	186
FIGURE 5-15. WHEELS AND TIRES (SN 0344001 to Present, SN 0266001 to Present).....	188
SECTION 6 - CONTROLS.....	191
FIGURE 6-1. TILT AND SWAY (SN 0344001 to Present, SN 0266001 to Present)	192
FIGURE 6-2. BRAKE AND INCHING LINKAGE (SN 0344001 to Present, SN 0266001 to Present).....	194
FIGURE 6-3. BRAKE AND INCHING LINKAGE (SN 0344394 to Present, SN 0266057 to Present).....	196
FIGURE 6-4. (91143118) ACCELERATOR PEDAL ASSEMBLY (SN 0344001 through 0444002, SN 0266001 through 0266106)	198
FIGURE 6-5. (91143342) ACCELERATOR PEDAL ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present).....	200
FIGURE 6-6. (91145103) FLOORPLATE ASSY (SN 0344001 to Present, SN 0266001 to Present)	202
FIGURE 6-7. (91145103) FLOORPLATE ASSY (SN 0344001 to Present, SN 0266001 to Present)	204
FIGURE 6-8. (91145104) FLOORPLATE ASSY (SN 0344394 through 0444002, SN 0266057 through 0266106)	206

TABLE OF CONTENTS

FIGURE 6-9. (91145104) FLOORPLATE ASSY (SN 0344394 through 0444002, SN 0266057 through 0266106)	208
FIGURE 6-10. (91145104) FLOORPLATE ASSY (SN 0444003 to Present, SN 0266107 to Present)	210
FIGURE 6-11. (91145104) FLOORPLATE ASSY (SN 0444003 to Present, SN 0266107 to Present)	212
FIGURE 6-12. STEERING COLUMN AND ATTACHING PARTS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)	214
FIGURE 6-13. STEERING COLUMN AND ATTACHING PARTS STARTING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	216
SECTION 7 - BRAKES	219
FIGURE 7-1. SERVICE BRAKE LINES (SN 0344001 to Present, SN 0266001 to Present)	220
FIGURE 7-2. INCHING AND PARKING BRAKE LINES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	222
FIGURE 7-3. INCHING AND PARKING BRAKE LINES (534C-9 SN 0344394 to Present; 534C-10 SN 0266057 to Present)	224
SECTION 8 - HYDRAULIC CIRCUITS	227
FIGURE 8-1. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	228
FIGURE 8-2. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344436 through 0344523; 534C-10 SN 0266063 through 0266074)	232
FIGURE 8-3. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)	236
FIGURE 8-4. DUMP CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	240
FIGURE 8-5. DUMP CIRCUIT (534C-9 SN 0344436 through 0344523; 534C-10 SN 0266063 through 0266074)	244
FIGURE 8-6. DUMP CIRCUIT (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)	248
FIGURE 8-7. FRONT DRIVE CIRCUIT (SN 0344001 to Present, SN 0266001 to Present)	252
FIGURE 8-8. FRONT DRIVE CIRCUIT (534C-9 SN 0344394 to Present; 534C-10 SN 0266057 to Present)	254
FIGURE 8-9. FRONT DRIVE CIRCUIT (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)	256
FIGURE 8-10. REAR DRIVE CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	258
FIGURE 8-11. REAR DRIVE CIRCUIT (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)	262
FIGURE 8-12. LIFT CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	266
FIGURE 8-13. CROWD CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	268
FIGURE 8-14. TILT CYLINDER AND TILT COMPENSATING CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	270
FIGURE 8-15. SWAY CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	272
FIGURE 8-16. STEERING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	274
FIGURE 8-17. STEERING CYLINDER (SN 0344436 to Present, SN 0266063 to Present)	276
FIGURE 8-18. JOYSTICK CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	278
FIGURE 8-19. STABILIZER CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	280
FIGURE 8-20. OUTRIGGER CYLINDER (534C-10 SN 0266001 to Present)	282
SECTION 9 - HYDRAULIC COMPONENTS	285
FIGURE 9-1. (91143002) TILT CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	286
FIGURE 9-2. (91143214) TILT CYLINDER (534C-9 SN 0344240 to Present; 534C-10 SN 0266032 to Present)	288
FIGURE 9-3. (91143001) CROWD CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	290
FIGURE 9-4. (91143004) LIFT CYLINDER (SN 0344001 through 0344048, SN 0266001 through 0266003)	292
FIGURE 9-5. (91143186) LIFT CYLINDER (SN 0344049 to Present, SN 0266004 to Present)	294
FIGURE 9-6. (91143003) COMPENSATING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	296
FIGURE 9-7. (91143007) SWAY CYLINDER ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)	298
FIGURE 9-8. (91143014) STEERING CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	300
FIGURE 9-9. (91163090) STEERING CYLINDER (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)	302
FIGURE 9-10. (91163178) STEERING CYLINDER (534C-9 SN 0344514 to Present; 534C-10 SN 026607 to Present)	304

TABLE OF CONTENTS

FIGURE 9-11. (91143113) STABILIZER CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	306
FIGURE 9-12. (91143048) OUTRIGGER CYLINDER (SN 0266001 to Present)	308
FIGURE 9-13. (91143047) PRIORITY FLOW CONTROL VALVE (SN 0344001 to Present, SN 0266001 to Present)	310
FIGURE 9-14. (91123131) BRAKE VALVE (SN 0344001 to Present, SN 0266001 to Present)	312
FIGURE 9-15. (91143201) BRAKE VALVE (SN 0344394 to Present, SN 0266057 to Present)	314
FIGURE 9-16. (91043446) SOLENOID VALVE (SN 0344001 to Present, SN 0266001 to Present)	316
FIGURE 9-17. (91083262) DUAL P.O. CHECK VALVE (SN 0344001 to Present, SN 0266001 to Present)	318
FIGURE 9-18. (91043258) DUAL P.O. CHECK VALVE (SN 0266001 to Present)	320
FIGURE 9-19. (91143140) INCHING VALVE (SN 0344001 to Present, SN 0266001 to Present)	322
FIGURE 9-20. (91143017) MAIN CONTROL VALVE (SN 0344001 to Present, SN 0266001 to Present)	324
FIGURE 9-21. (91145129) HYDRAULIC RESERVOIR AND FILTERS (SN 0344001 to Present, SN 0266001 to Present)	328
FIGURE 9-22. (91145129) HYDRAULIC RESERVOIR AND FILTERS (534C-9 SN 0344384 to Present; 534C-10 SN 0266056 to Present)	330
FIGURE 9-23. (91143180) FRONT DRIVE MOTOR (SN 0344001 to Present, SN 0266001 to Present)	332
FIGURE 9-24. (91163044) FRONT DRIVE MOTOR (SN 0344436 to Present, SN 0266036 to Present)	334
FIGURE 9-25. (91143050) MAIN HYDRAULIC PUMP (SN 0344001 to Present, SN 0266001 to Present)	336
FIGURE 9-26. (91143005) HYDROSTATIC TRANSMISSION (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	338
FIGURE 9-27. (91163048) HYDROSTATIC TRANSMISSION (SN 0344436 to Present, SN 0266063 to Present)	342
FIGURE 9-28. (91143173) HYDRAULIC GEAR PUMP (SN 0344001 to Present, SN 0266001 to Present)	346
FIGURE 9-29. (91303037) JOYSTICK ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)	348
FIGURE 9-30. (91143049) TRACTION LOCK VALVE (SN 0344001 to Present, SN 0266001 to Present)	350
FIGURE 9-31. (91143006) REAR DRIVE MOTOR (SN 0344001 to Present, SN 0266001 to Present)	352
FIGURE 9-32. (91163023) REAR DRIVE MOTOR (SN 0344436 to Present, SN 0266063 to Present)	354
FIGURE 9-33. (90453050) TRUSS BOOM WINCH (SN 0344001 to Present, SN 0266001 to Present)	356
FIGURE 9-34. (90207879) WINCH MOTOR (SN 0344001 to Present, SN 0266001 to Present)	360
FIGURE 9-35. (90602706) CROSSOVER VALVE (SN 0344001 to Present, SN 0266001 to Present)	362
FIGURE 9-36. (91113003) STABILIZER VALVE (SN 0344001 to Present, SN 0266001 to Present)	364
FIGURE 9-37. (91143161) OUTRIGGER VALVE (SN 0266001 to Present)	366
FIGURE 9-38. (91145067) THERMAL BYPASS VALVE ASSY (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)	368
SECTION 10 - ELECTRICAL	371
FIGURE 10-1. (91145031) GAUGE PANEL ASSEMBLY (534C-9 SN 034400 through 0444002; 534C-10 SN 0266001 through 0266106)	372
FIGURE 10-2. (91143331) GAUGE PANEL ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present) ..	376
FIGURE 10-3. DASH PANEL (SN 0344001 through 0444002, SN 0266001 through 0266106)	378
FIGURE 10-4. DASH PANEL (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	380
FIGURE 10-5. BATTERY AND CABLES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	382
SECTION 11 - MISCELLANEOUS	385
FIGURE 11-1. FRAME DECALS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)	386
FIGURE 11-2. FRAME DECALS (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	388
FIGURE 11-3. BOOM DECALS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)	390
FIGURE 11-4. BOOM DECALSSTARTING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	392
SECTION 12 - OPTIONAL EQUIPMENT	395
FIGURE 12-1. (91043353) BLOCK HEATER (SN 0344001 to Present, SN 0266001 to Present)	396

TABLE OF CONTENTS

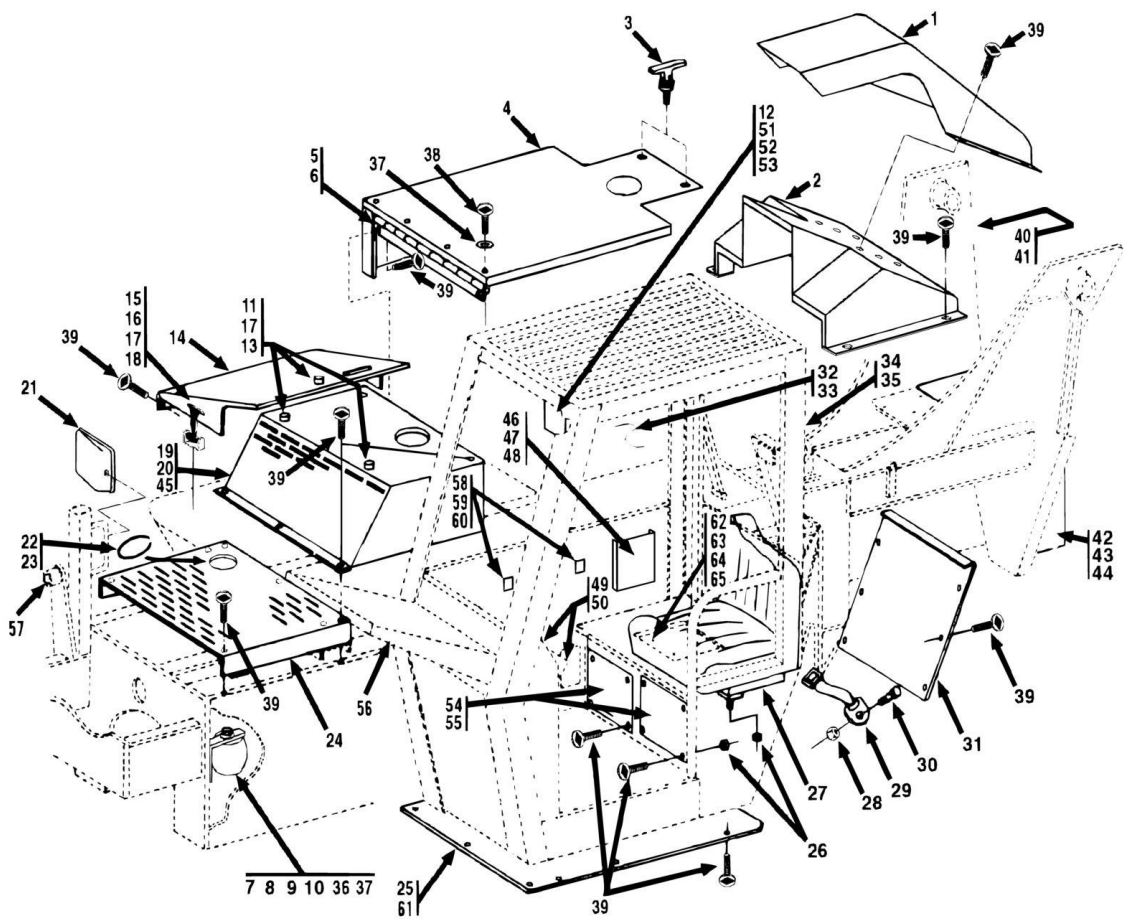
FIGURE 12-2. (91145018) WINCH INSTALLATION - 534C-9;(91155003) WINCH INSTALLATION - 543C-10 (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	398
FIGURE 12-3. (91145021) WORK LIGHT PACKAGE (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present).....	402
FIGURE 12-4. (91145098) WORK LIGHT PACKAGE (SN 0444003 to Present)	406
FIGURE 12-5. (91145022) AUXILIARY HYDRAULICS W/ELECTRIC (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	410
FIGURE 12-6. (91145032) VANDAL KIT (SN 0344001 to Present, SN 0266001 to Present)	414
FIGURE 12-7. (91145033) GLOW PLUG INSTALLATION (SN 0344001 to Present)	416
FIGURE 12-8. (91145036) R.H. TILT/SWAY (SN 0344001 to Present, SN 0266001 to Present)	418
FIGURE 12-9. (91145047) AUXILIARY HYDRAULICS ASSEMBLY; (91145054) AUXILIARY HYDRAULICS INST. KIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)	420
FIGURE 12-10. (91145050) CAB ENCLOSURE (SN 0344001 to Present, SN 0266001 to Present).....	424
FIGURE 12-11. (91145096) CAB ENCLOSURE (SN 0444003 to Present, SN 0266107 to Present).....	428
FIGURE 12-12. (91145116) TILT ON JOYSTICK (SN 0344001 to Present, SN 0266001 to Present)	432
FIGURE 12-13. (91083286) SWAY CYLINDER (SN 0344001 to Present, SN 0266001 to Present).....	436
FIGURE 12-14. (91083262) DUAL P.O. CHECK VALVE (SN 0344001 to Present, SN 0266001 to Present)	438
FIGURE 12-15. (91033366) SWING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)	440
FIGURE 12-16. (90453034) SWING CYLINDER ASSEMBLY	442
FIGURE 12-17. (91033196) WINCH (SN 0344001 to Present, SN 0266001 to Present)	444
FIGURE 12-18. (91143041) CONTROL VALVE W/AUX HYD (SN 0344001 to Present, SN 0266001 to Present)	448
FIGURE 12-19. (91155004) GLOW PLUG INSTALLATION (SN 0266001 to Present)	452
FIGURE 12-20. (91125101) GLOW PLUG INSTALLATION (534C-9 SN 0444003 to Present; 534C-10 SN 0366107 to Present)	454
FIGURE 12-21. (91145057) ETHER START (91155005) ETHER START (SN 0344001 to Present, SN 0266001 to Present) ...	456
FIGURE 12-22. (91145097) ETHER (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present).....	458
FIGURE 12-23. (90553016) SWING VALVE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)	460
FIGURE 12-24. (91145059) WINCH DRAIN LINE INSTALLATION (SN 0344001 to Present, SN 0266001 to Present).....	462
FIGURE 12-25. (91145023) STABILIZER OPTION (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present).....	464
FIGURE 12-26. (91145066) INLINE BYPASS FOR SERVICE ONLY	466
FIGURE 12-27. (91085073) HYDRAULIC RESERVOIR HEATER INSTALLATION	468
FIGURE 12-28. (91145101) WIPER FOR TOP WINDOW (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)	470
FIGURE 12-29. (91145100) DELUXE LIGHT PACKAGE (SN 0444003 to Present)	472
FIGURE 12-30. (91145136) REAR AXLE REWORK KIT FOR SERVICE ONLY	478
FIGURE 12-31. (91145042) REAR AXLE ADVANTAGE KIT FOR SERVICE ONLY	480
FIGURE 12-32. (91033387) 5-BUTTON HANDLE (SN 0355001 to Present).....	484
FIGURE 12-33. (91035101) PINTLE HOOK (SN 0344001 to Present, SN 0266001 to Present)	486
FIGURE 12-34. (91155024) DELUXE LIGHT PACKAGE (SN 0266001 to Present)	488
FIGURE 12-35. (91125055) STOP LIGHT INSTALLATION (SN 0344001 to Present, SN 0266001 to Present)	494
PART NUMBER INDEX	497

SECTION 1 - CHASSIS AND ATTACHING PARTS

SECTION 1 - CHASSIS AND ATTACHING PARTS

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-1. FRAME SHROUDING AND TRIM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-1. FRAME SHROUDING AND TRIM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

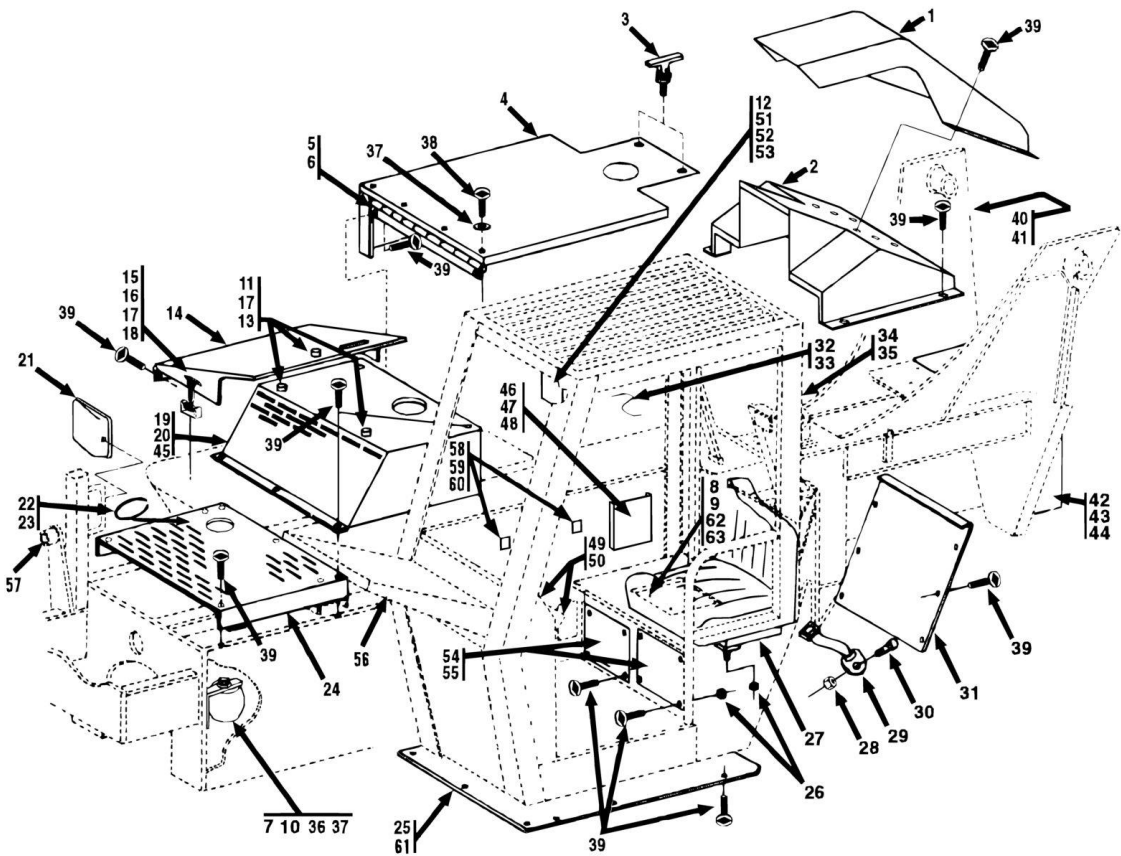
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91146001	Ref	FRAME WELDMENT (534C-9)	
	91156001	Ref	FRAME WELDMENT (534C-10)	
	91146012	Ref	CAB WELDMENT	
1	91146048	1	REAR COVER CENTER	
2	91146050	1	REAR COVER WELDMENT	
3	91303021	2	T-HANDLE	
4	91146049	1	REAR ENGINE COVER	
5	91141218	1	HINGE	
6	91141254	1	FLAT BAR	
7	24921393	1	HORN	
8	24921394	1	HORN BRACKET	
9	24921395	1	NUT	
10	88201017	1	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
11	91083173	5	RUBBER HD SCREW BUMPER	
12	91033320	1	TILT GAGE	
13	88501612	5	HEX NUT, #10-24	
14	91146060	1	TANK COVER WELDMENT	
15	90207458	2	DRAW LATCH	
16	88301193	8	RD HD MACHINE SCREW, #10-32X1/2	
17	88551007	13	LOCK WASHER, #10	
18	88501613	4	HEX NUT, #10-32	
19	91146038	1	FRONT ENGINE COVER	
20	91143148	1	RUBBER AIR DAM	
21	83683291	1	MIRROR	
22	90206194	48 in	TRIM-LOK	
23	14402248	AR	ADHESIVE	
24	91141211	1	DECK COVER (534C-9)	
24	91141217	1	DECK COVER (534C-10)	
25	91081709	1	BELLY PAN	
26	77143006	8	WHIZ-LOC NUT, 5/16-18	
27	91033485	1	SEAT W/ARMREST (STD)	
27	91124107	1	SLIDE ADJ KIT (use with std seat)	
27	91043237	1	GRAMMER SEAT (OPTIONAL)	
28	88501007	2	HEX NUT, 7/16-14	
29	91033029	1	SEAT BELT (not used with optional seat)	
30	88201050	2	HEX HD CAPSCREW, 7/16-14X1, GR5	
31	91141198	1	REAR CAB COVER	
32		Ref	RIGHT SIDE WINDOW (See CAB GLASS for Breakdown)	
33	91083161	1	WEATHER STRIPPING	
34		Ref	REAR WINDOW (See CAB GLASS for Breakdown)	
35	91083159	1	WEATHER STRIPPING	
36	88551010	1	LOCKWASHER, 5/16	
37	88561003	5	FLAT WASHER, 5/16	
38	91123124	4	WHIZ-LOC SCREW, 5/16-18X1/2	
39	77143003	37	WHIZ-LOC SCREW, 5/16-18X5/8	
40	91233012	1	BACK UP ALARM	
41	88212224	2	SOCKET HD CAPSCREW, 5/16-18X5/8	
42	91140001	1	COUNTER WEIGHT	

SECTION 1 - CHASSIS AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	88201142	4	HEX HD CAPSCREW, 1-8 x 4-1/2, (hand torque to 545-595 ft lb) GR5	
44	88561011	4	WASHER, 1IN	
45	90200755	24 in	WEATHER STRIPPING	
46	91033102	1	MANUAL HOLDER	
47	88321030	4	SELF TAPPING SCREW	
48	88554900	4	INTERNAL TOOTH WASHER	
49	91143150	1	SERIAL NUMBER AND ATTACH PLATE	
50	88341022	4	DRIVE SCREW	
51	88204912	1	HEX HD CAPSCREW, 1/4-20 x 1, GR5	
52	88561107	1	FLAT WASHER	
53	88521204	1	LOCK NUT, 1/4-20	
54	91081475	1	HEATER COVER PLATE	
55	91141329	1	VALVE ACCESS COVER	
56	91141048	1	FENDER	
57	91143051	1	BUSHING	
58	91146071	1	COVER WELDMENT	
59	91146072	1	COVER WELDMENT (route dipstick through cab wall)	
60	88201001	4	HEX HD CAPSCREW, 1/4-20X1/2, GR5	
61	91083533	10	FENDER WASHER	
62	88501008	2	HEX NUT, 1/2 (items 62 through 65 are used on seat mount plate)	
63	88551013	1	LOCKWASHER, 1/2	
64	88561111	2	WASHER, 1/2	
65	88201067	1	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-2. FRAME SHROUDING AND TRIM (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-2. FRAME SHROUDING AND TRIM (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

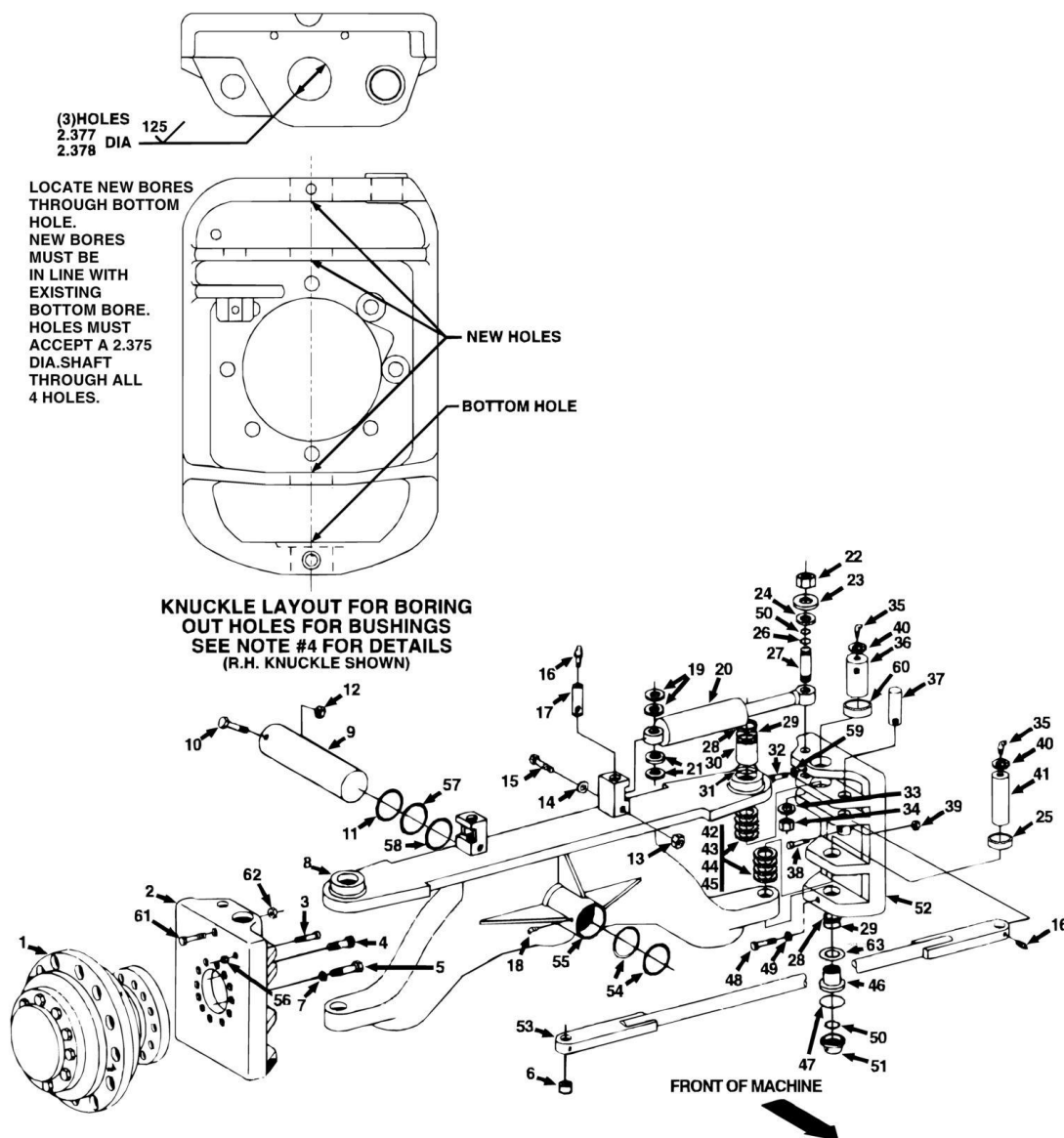
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91146001	Ref	FRAME WELDMENT, (534C-9)	
	91156001	Ref	FRAME WELDMENT, (534C-10)	
	91146012	Ref	CAB WELDMENT	
1	91366002	1	REAR COVER CENTER	
2	91146050	1	REAR COVER WELDMENT	
3	91303021	2	T-HANDLE	
4	91366005	1	REAR ENGINE COVER	
5	91141218	1	HINGE	
6	91141254	1	FLAT BAR	
7	91143357	1	HORN	
8	88561111	2	WASHER, 1/2	
9	88201067	1	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
10	88201017	1	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
11	91083173	5	RUBBER HD SCREW BUMPER	
12	91033320	1	TILT GAGE	
13	88501612	5	HEX NUT, #10-24	
14	91366004	1	TANK COVER WELDMENT	
15	90207458	2	DRAW LATCH	
16	88301193	8	ROUND HD MACHINE SCREW, #10-32X1/2	
17	88551007	13	LOCK WASHER, #10	
18	88501613	4	HEX NUT, #10-32	
19	91146109	1	FRONT ENGINE COVER	
20	91143148	1	RUBBER AIR DAM	
21	83683291	1	MIRROR	
22	90206194	48 in	TRIM-LOK	
23	14402248	AR	ADHESIVE	
24	91141211	1	DECK COVER, (534C-9)	
24	91141217	1	DECK COVER, (534C-10)	
25	91081709	1	BELLY PAN	
26	77143006	8	WHIZ-LOC NUT, 5/16-18	
27	91033485	1	SEAT W/ARMREST, (std)	
27	91124107	1	SLIDE ADJ KIT, (use with std seat)	
27	91043237	1	GRAMMER SEAT, (OPTIONAL)	
28	88501007	2	HEX NUT, 7/16-14	
29	91033029	1	SEAT BELT, (not used with optional seat)	
30	88201050	2	HEX HD CAPSCREW, 7/16-14X1, GR5	
31	91141198	1	REAR CAB COVER	
32		Ref	RIGHT SIDE WINDOW, (See CAB GLASS for Breakdown)	
33	91083161	1	WEATHER STRIPPING	
34		Ref	REAR WINDOW, (See CAB GLASS for Breakdown)	
35	91083159	1	WEATHER STRIPPING	
36	88551010	1	LOCKWASHER, 5/16	
37	88561003	5	FLAT WASHER, 5/16	
38	91123124	4	WHIZ-LOC SCREW, 5/16-18X1/2	
39	77143003	37	WHIZ-LOC SCREW, 5/16-18X5/8	
40	91233012	1	BACK UP ALARM	
41	88212224	2	SOCKET HD CAPSCREW, 5/16-18X5/8	
42	91140001	1	COUNTERWEIGHT	

SECTION 1 - CHASSIS AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	88201142	4	HEX HD CAPSCREW, 1-8 x 4-1/2, (hand torque to 545-595 ft lbs), GR5	
44	88561011	4	WASHER, 1IN	
45	90200755	24 in	WEATHER STRIPPING	
46	91033102	1	MANUAL HOLDER	
47	88321030	4	SELF TAPPING SCREW	
48	88554900	4	INTERNAL TOOTH WASHER	
49	91143306	1	SERIAL NUMBER AND ATTACH PLATE	
50	88341022	4	DRIVE SCREW	
51	88204912	1	HEX HD CAPSCREW, 1/4-20X1, GR5	
52	88561107	1	FLATWASHER	
53	88521204	1	LOCK NUT, 1/4-20	
54	91081475	1	HEATER COVER PLATE	
55	91141329	1	VALVE ACCESS COVER	
56	91141048	1	FENDER	
57	91143051	1	BUSHING	
58	91146071	1	COVER WELDMENT	
59	91146072	1	COVER WELDMENT, (route dipstick through cab wall)	
60	88201001	4	HEX HD CAPSCREW, 1/4-20X1/2, GR5	
61	91083533	10	FENDER WASHER	
62	88501008	2	HEX NUT, 1/2, (items 8, 9, 62, & 63 are used on seat mount plate)	
63	88551013	1	LOCKWASHER, 1/2	

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-3. REAR AXLE AND ATTACHING PARTS (SN 0344001 to Present, SN 0266001 to Present)



NOTE #1: Cylinder base end must be free to rotate. Shim steer cylinder base end as required to maintain a total max. gap of 1/16 in.

NOTE #2: Shim bottom knuckles as required to maintain no more than 1/32 in movement. Shim top knuckles as required to maintain no more than 1/16 in gap. Must have a minimum of one shim.

NOTE #3: See option section for details on the Rear Axle Rework Kit and the Rear Axle Advantage Kit.

NOTE #4: All machines need to bore Steering Knuckles to use items 25 & 60. See diagram on previous page. Unless you have purchased new Steering Knuckles part number, 91120003 & 91120004.

NOTE #5: You may have to use item 32 & 59 in place of items 61 & 62, unless you have purchased new Steering Knuckles part number, 91120003 & 91120004. See engineering print that comes with the Steering Knuckles Kit for details.

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-3. REAR AXLE AND ATTACHING PARTS (SN 0344001 to Present, SN 0266001 to Present)

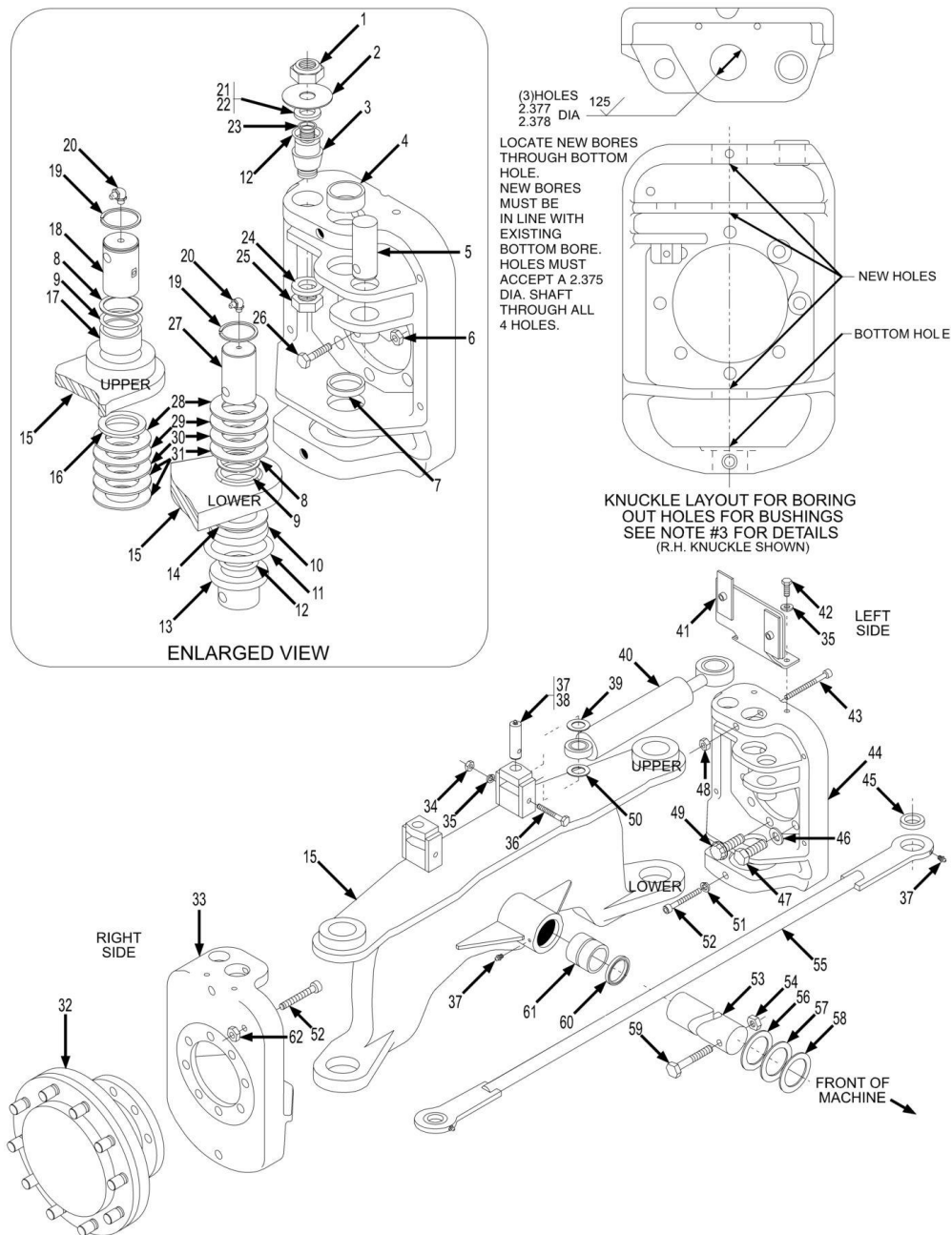
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91035240	1	STEERING KNUCKLE KIT (includes items 23 thru 26, 28 thru 32, 35, 36, 40 thru 51, 60 & 61 one kit does both sides)	
	91045152	AR	STEERING CYLINDER PIN KIT (includes one each of items 22 thru 27, 33, & 34, one kit needed for each side)	
1		Ref	DRIVE HUB, (See DRIVE TRAIN SECTION for Breakdown)	
2	91120004	1	R.H. STEERING KNUCKLE, (see note #4)	
3	88212321	2	SLOT HD CAPSCREW, 5/8-11X3-3/4, GR8	
4	91043222	4	CAPSCREW 12PT, 3/4-10X2, (torque to 270-290 ft lbs)	
5	83201006	12	HEX HD CAPSCREW, 5/8-10X2	
6	91043247	2	SELF-ALIGNING BUSHING	
7	86681572	12	HARDENED WASHER, 3/4	
8	91146009	1	REAR AXLE WELDMENT, (includes items 30, 46, & 55)	
9	91081177	1	REAR AXLE MOUNTING PIN	
10	90020247	1	HEX HD CAPSCREW, 1-1/4-7X6	
11	91031009	1	SHIM, (1/4 thick)	
12	85101098	1	HEX NUT, 1-1/4- 7	
13	88501006	2	HEX NUT, 3/8-16	
14	88551011	2	LOCK WASHER, 3/8	
15	83201144	2	HEX HD CAPSCREW, 3/8-16X5-3/4, GR5	
16	88671001	4	LUBE FITTING, STRAIGHT, 1/8	
17	91081695	2	STEERING CYLINDER PIVOT PIN	
18	88671033	4	LUBE FITTING, STRAIGHT, 1/4-28	
19	91041598	2	SHIM, (.060 thick, see note #1)	
20		Ref	STEERING CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	90201918	2	SHIM, (10 gauge, see note #1)	
22	88521312	2	HEX LOCK NUT, 3/4-10, (torque to 160-175 ft lbs)	
23	91081415	2	DIRT SHIELD	
24	91041438	2	SPACER, (3/16 thick)	
24	91041732	2	SPACER, (3/16 thick)	
25	91121240	4	BUSHING, (see note #4)	
26	88591019	2	O-RING	
27	91041481	2	STEERING CYLINDER PIN	
28	91123030	4	BACK-UP RING	
29	88591032	4	O-RING	
30	91123028	2	BUSHING	
31	86921268	2	LIP SEAL	
32	88211117	2	SOCKET HD CAPSCREW, 5/8-11X3-3/4, (see note #5)	
33	91041459	2	WASHER	
34	88501416	2	HEX JAM NUT, 1-14, (torque to 225-250 ft lbs)	
35	88671022	4	LUBE FITTING, 30, 1/8	
36	91081693	2	UPPER KING PIN	
37	91041439	2	TIE ROD PIN	
38	83201140	2	HEX HD CAPSCREW, 3/8-16X2-3/4, GR8	
39	88521306	2	LOCK NUT, 3/8-16	
40	88581323	4	RETAINING RING	
41	91141424	2	LOWER KING PIN	
42	91041596	4	SHIM, (20 gauge, see note #2)	
43	91041449	4	SHIM, (.060 thick, see note #2)	
44	91041450	4	SHIM, (.0478 thick, see note #2)	

SECTION 1 - CHASSIS AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	91041451	6	SHIM, (.106 thick, see note #2)	
46	91123027	2	BUSHING	
47	91123029	2	O-RING	
48	88212321	2	SLOT HD CAPSCREW, 5/8-11X3-3/4, GR8	
49	88551153	2	LOCK WASHER, 5/8	
50	88591104	4	O-RING	
51	91121091	2	THRUST BUSHING	
52	91120003	1	L.H. STEERING KNUCKLE, (see note #4)	
53	91166063	1	TIE ROD, (includes item 6)	
54	24601570	2	LIP SEAL	
55	91123031	2	BUSHING	
56	88501110	2	HEX NUT, 5/8-11	
57	91081691	1	SHIM, (.1046 thick)	
58	90206846	1	SHIM, (.1345 thick)	
59	88551109	2	LOCK WASHER, 1/2, (see note #5)	
60	91121239	2	BUSHING, (see note #4)	
61	88211121	2	SOCKET HD CAPSCREW, 5/8-11X3-3/4, GR8, (see note #5)	
62	88521208	2	HEX LOCKNUT, 1/2-13, (see note #5)	

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-4. REAR AXLE AND ATTACHING PARTS (SN 0344436 to Present, SN 0266063 to Present)



NOTE #1: Cylinder base end must be free to rotate. Shim steer cylinder base end as required to maintain a total max. gap of 1/16in.

NOTE #2: Shim bottom knuckles as required to maintain no more than 1/32 in movement. Shim top knuckles as required to maintain no more than 1/16in gap. Must have a minimum of one shim.

NOTE #3: All machines need to bore Steering Knuckles to use items 4 & 7. See diagram on previous page. Unless you have purchased new Steering Knuckles part number, 91120003 & 91120004.

NOTE #4: See option section for details on the Rear Axle Rework Kit and the Rear Axle Advantage Kit.

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-4. REAR AXLE AND ATTACHING PARTS (SN 0344436 to Present, SN 0266063 to Present)

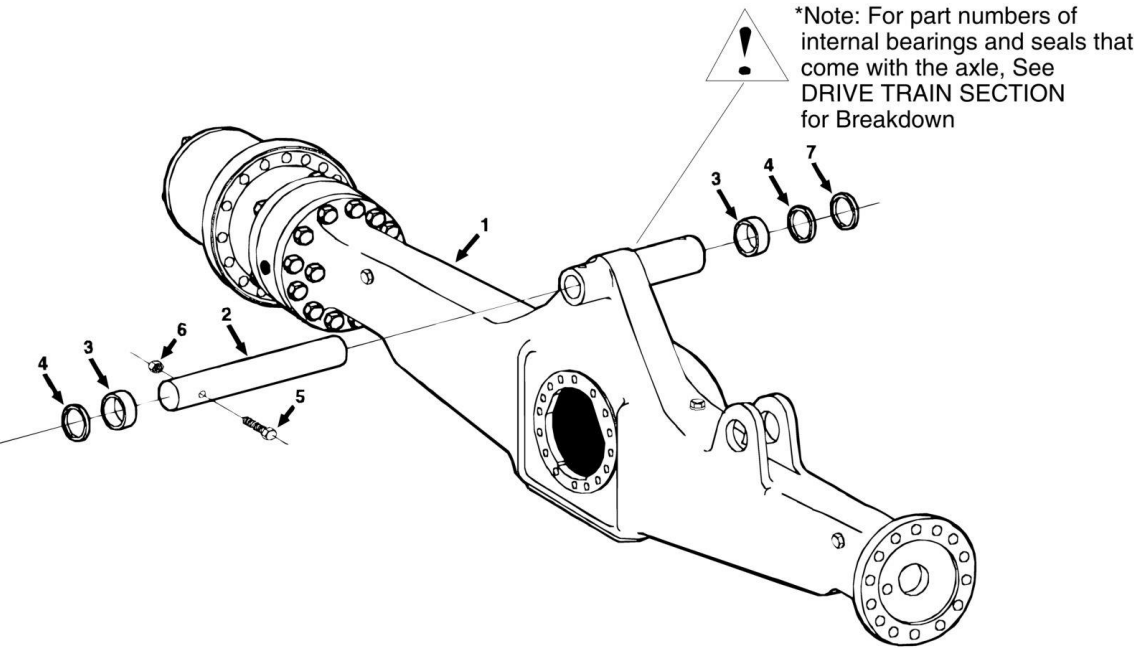
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91035240	1	STEERING KNUCKLE KIT (includes items 2, 4, 7 thru 14; 16 thru 23; 27 thru 31, 43, 48, 51, and two of item 52, one kit does both sides)	
	91045152	AR	STEERING CYLINDER PIN KIT (includes one each of items 1, 2, 3, 12, 21 thru 25, one kit needed for each side)	
1	88521312	2	HEX LOCK NUT, 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	LOCK NUT, 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 gauge, see note #2)	
32		Ref	DRIVE HUB, (See DRIVE TRAIN SECTION for Breakdown)	
33	91120004	1	R.H. STEERING KNUCKLE, (see note #3)	
34	88501006	2	HEX NUT, 3/8-16	
35	88551011	6	LOCK WASHER, 3/8	
36	83201144	2	HEX HD CAPSCREW, 3/8-16X5-3/4, GR8	
37	88671001	6	LUBE FITTING, STRAIGHT, 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	L.H. TUBE SUPPORT	
41	91166055	1	R.H. TUBE SUPPORT	
42	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
43	88211121	2	SOCKET HD CAPSCREW, 1/2-13X6-1/2, GR8	

SECTION 1 - CHASSIS AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	91120003	1	L.H. 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)	
48	88521208	2	HEX LOCKNUT, 1/2-13	
49	91043222	4	CAPSCREW 12PT, 3/4-10X2, GR8, (torque to 270-290 ft lbs)	
50	90201918	AR	SHIM, (10 gauge, see note #1)	
51	88551153	2	LOCK WASHER, 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	

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-5. FRONT AXLE MOUNTING (SN 0344001 to Present, SN 0266001 to Present)



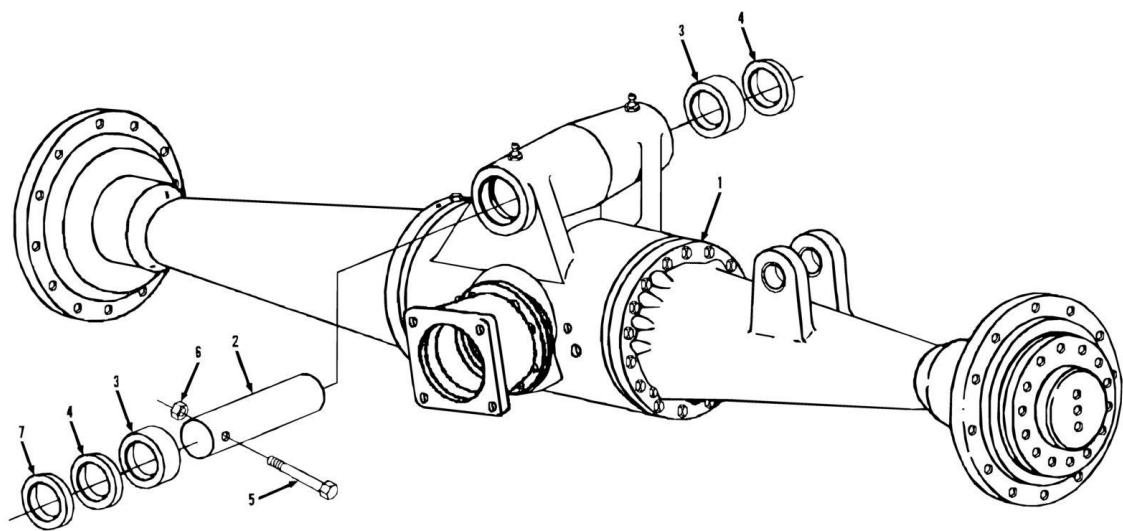
SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-5. FRONT AXLE MOUNTING (SN 0344001 to Present, SN 0266001 to Present)

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	83201031	1	HEX HD CAPSCREW, 1-8 x 5	
6	88521016	1	HEX LOCK NUT, 1-8	
7	91083480	1	SHIM WASHER	

SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-6. FRONT AXLE MOUNTING (SN 0344394 to Present, SN 0266057 to Present)



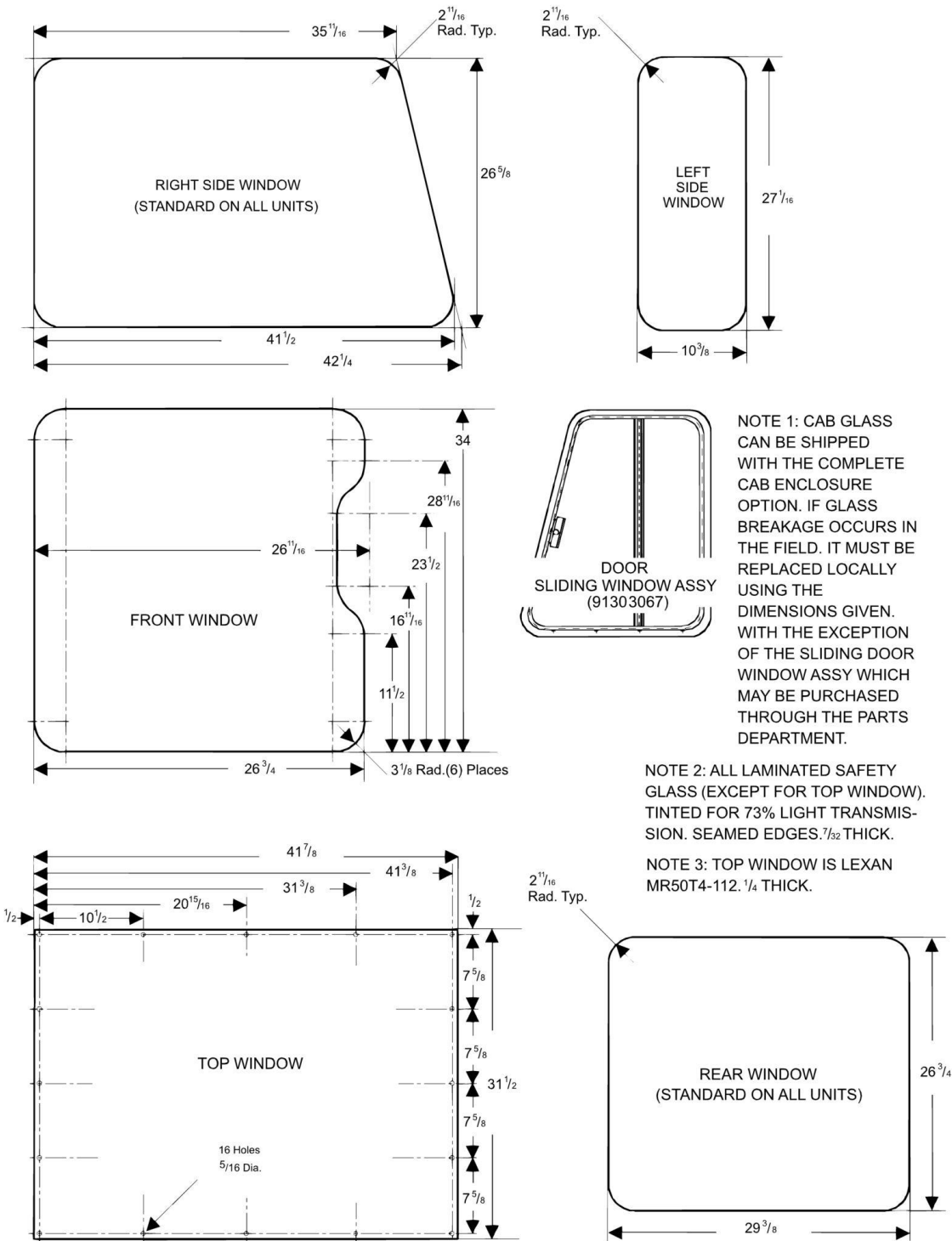
SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-6. FRONT AXLE MOUNTING (SN 0344394 to Present, SN 0266057 to Present)

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	83201031	1	HEX HD CAPSCREW, 1-8 x 5	
6	88521016	1	HEX LOCK NUT, 1-8	
7	91083480	1	SHIM WASHER	

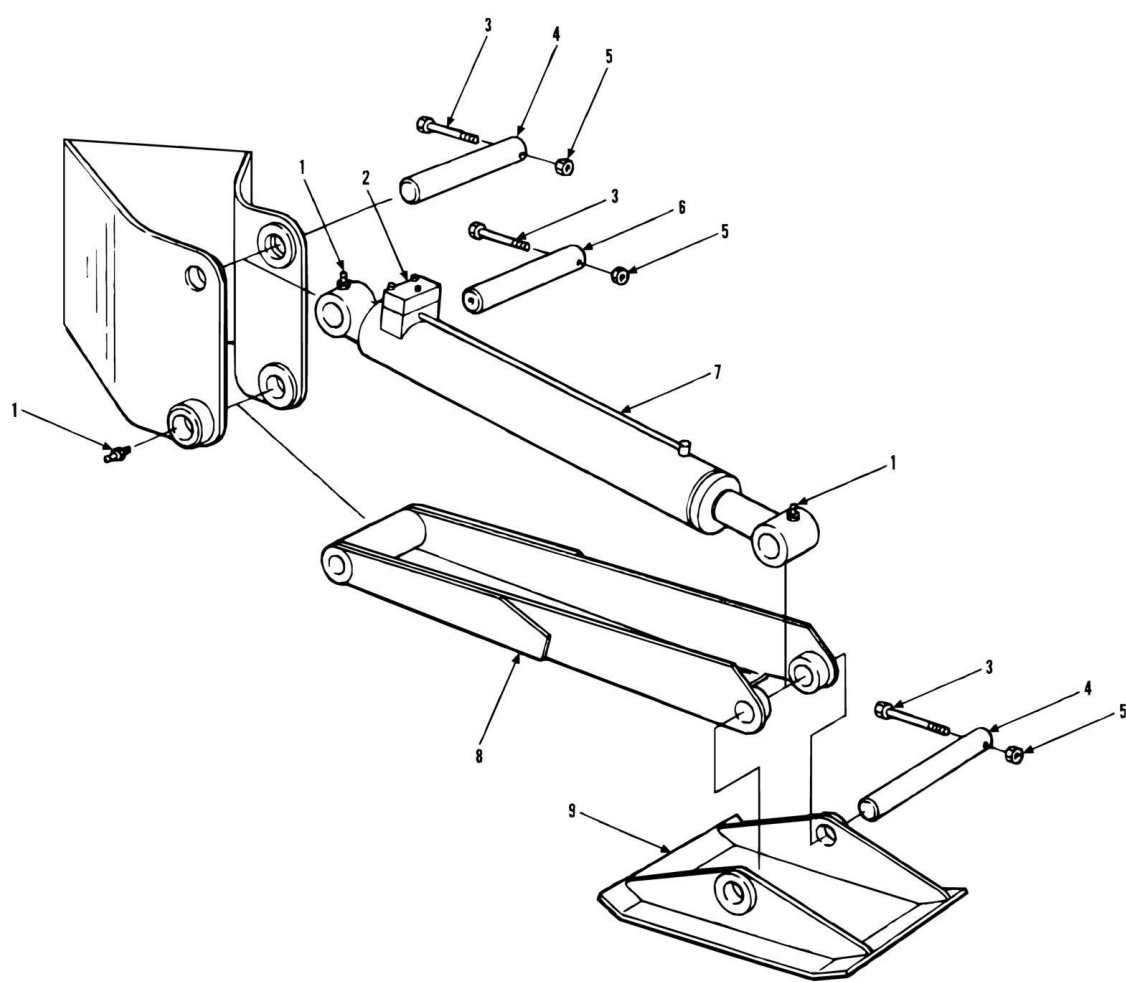
SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-7. CAB GLASS (SN 0344001 to Present, SN 0266001 to Present)



SECTION 1 - CHASSIS AND ATTACHING PARTS

FIGURE 1-8. OUTRIGGER MOUNTING (SN 0266001 to Present)



SECTION 1 - CHASSIS AND ATTACHING PARTS

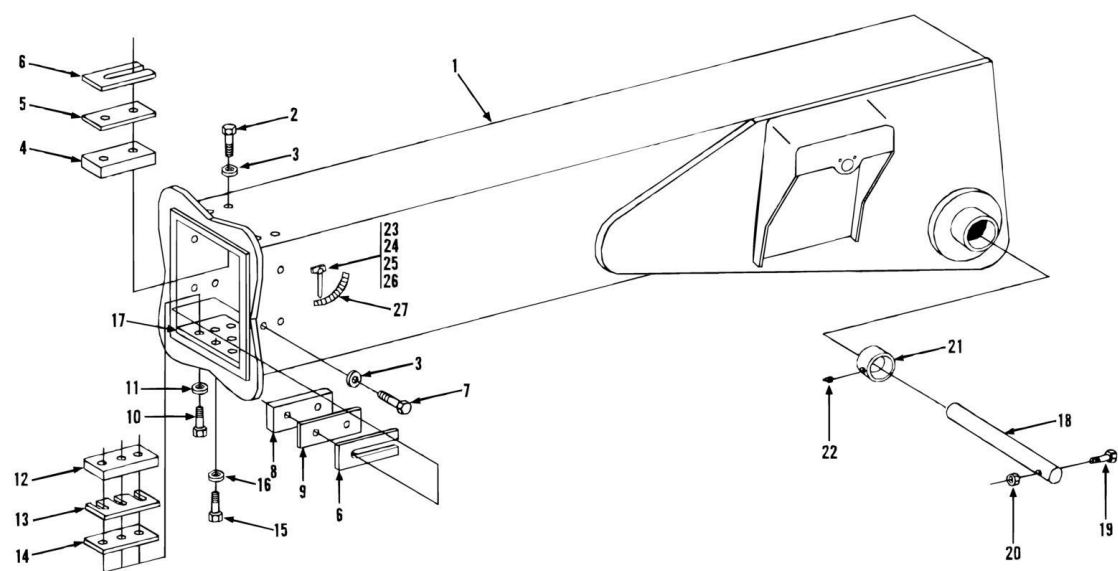
FIGURE 1-8. OUTRIGGER MOUNTING (SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88671001	8	LUBE FITTING, STRAIGHT, 1/8	
2		Ref	DUAL P.O. CHECK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	83201073	6	HEX HD CAPSCREW, 3/8-16X4-1/2	
4	91031141	4	SHOE PIN	
5	88521206	6	HEX LOCK NUT, 3/8-16	
6	91031140	2	ARM PIN	
7		Ref	OUTRIGGER CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	91036041	2	ARM WELDMENT	
9	91036032	2	OUTRIGGER SHOE	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. FIRST BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)



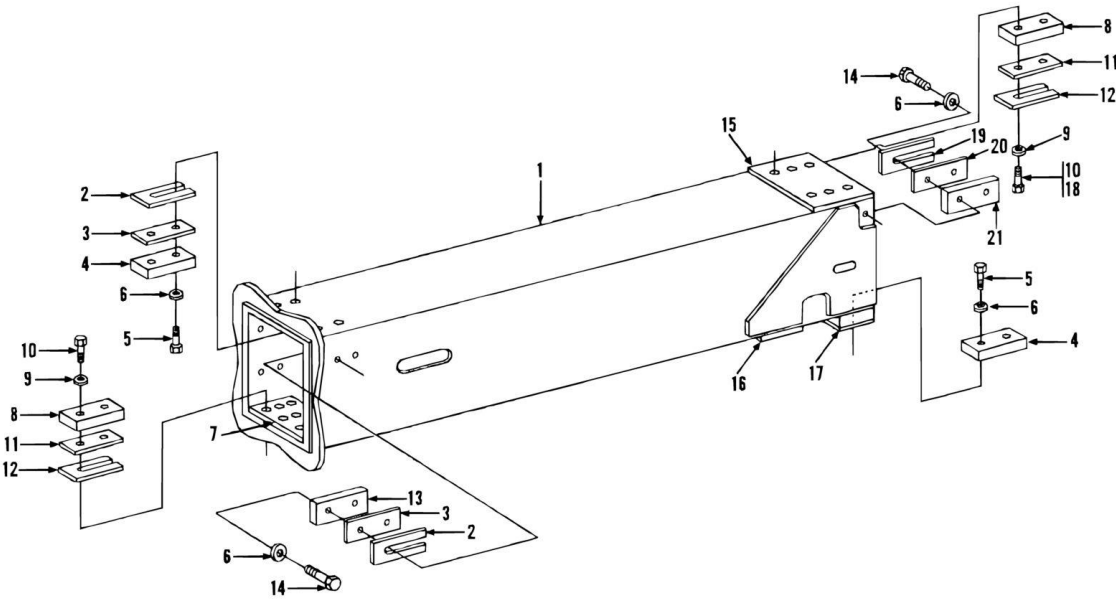
SECTION 2 - BOOM

FIGURE 2-1. FIRST BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146014	1	BOOM, FIRST SECTION	
2	88201534	4	HEX HD CAPSCREW, 3/8-24X1, GR5 (torque to 32-37 ft lbs)	
3	88561109	12	FLATWASHER, 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	88201607	2	HEX HD CAPSCREW, 3/4-16X1-1/4, GR5	
11	90027471	2	HARDENED FLATWASHER, 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	91141122	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	LUBE FITTING, STRAIGHT, 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)	

SECTION 2 - BOOM

FIGURE 2-2. SECOND BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)



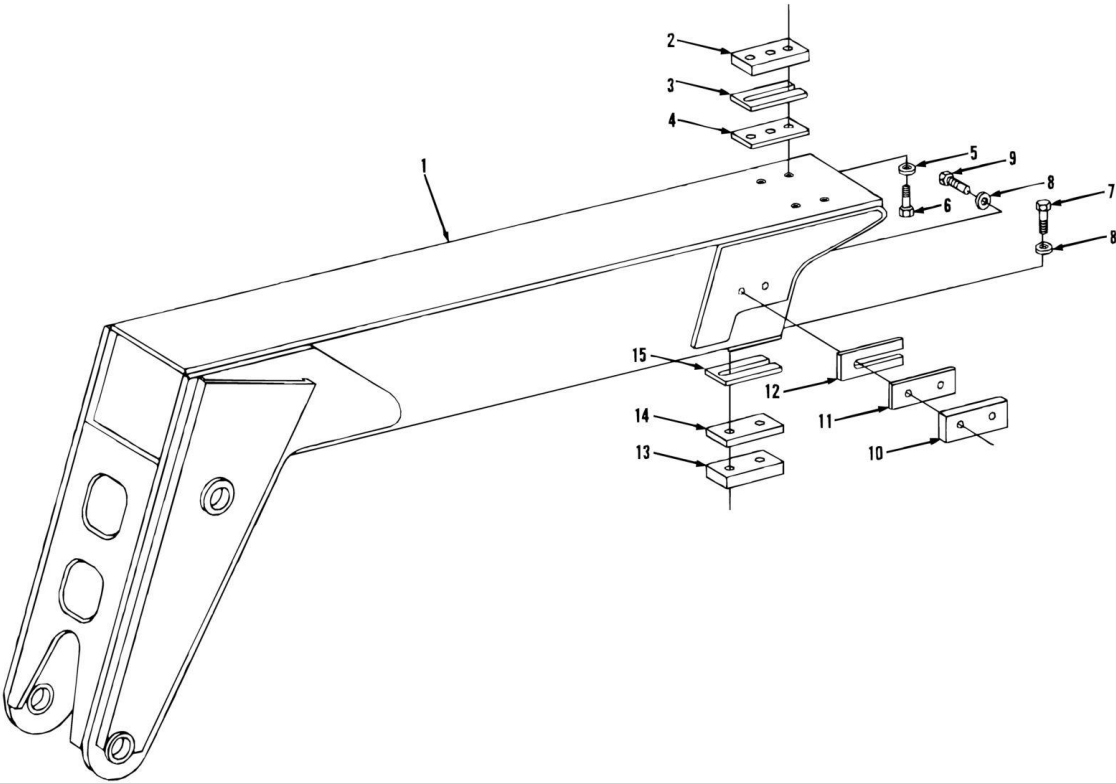
SECTION 2 - BOOM

FIGURE 2-2. SECOND BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146015	1	BOOM, SECOND SECTION	
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	FLATWASHER, 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	91141057	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	

SECTION 2 - BOOM

FIGURE 2-3. THIRD BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)



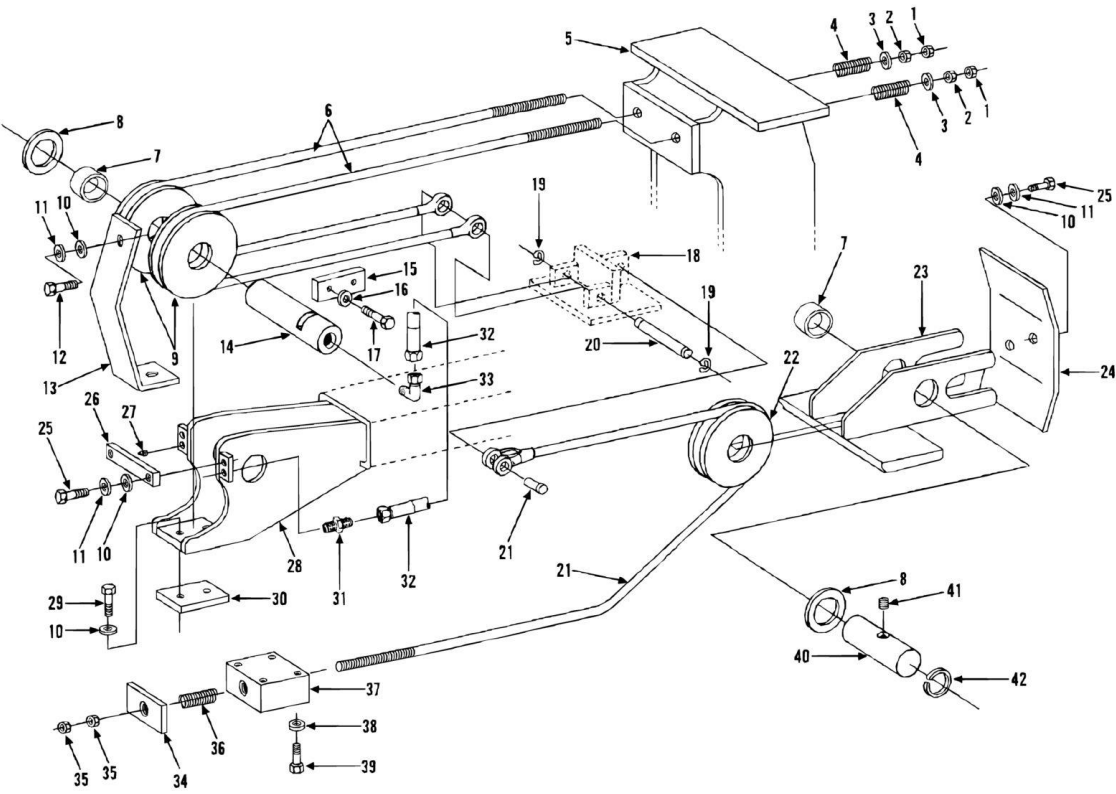
SECTION 2 - BOOM

FIGURE 2-3. THIRD BOOM SECTION (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146016	1	BOOM, THIRD SECTION	
2	91143168	2	BEARING PAD	
3	91141302	2	SPACER (.0598 thick)	
4	91141303	2	SHIM (.060 thick)	
5	90027471	6	HARDENED FLATWASHER, 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	FLATWASHER, 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)	

SECTION 2 - BOOM

FIGURE 2-4. EXTENSION AND RETRACTION CABLES (SN 0344001 to Present, SN 0266001 to Present)



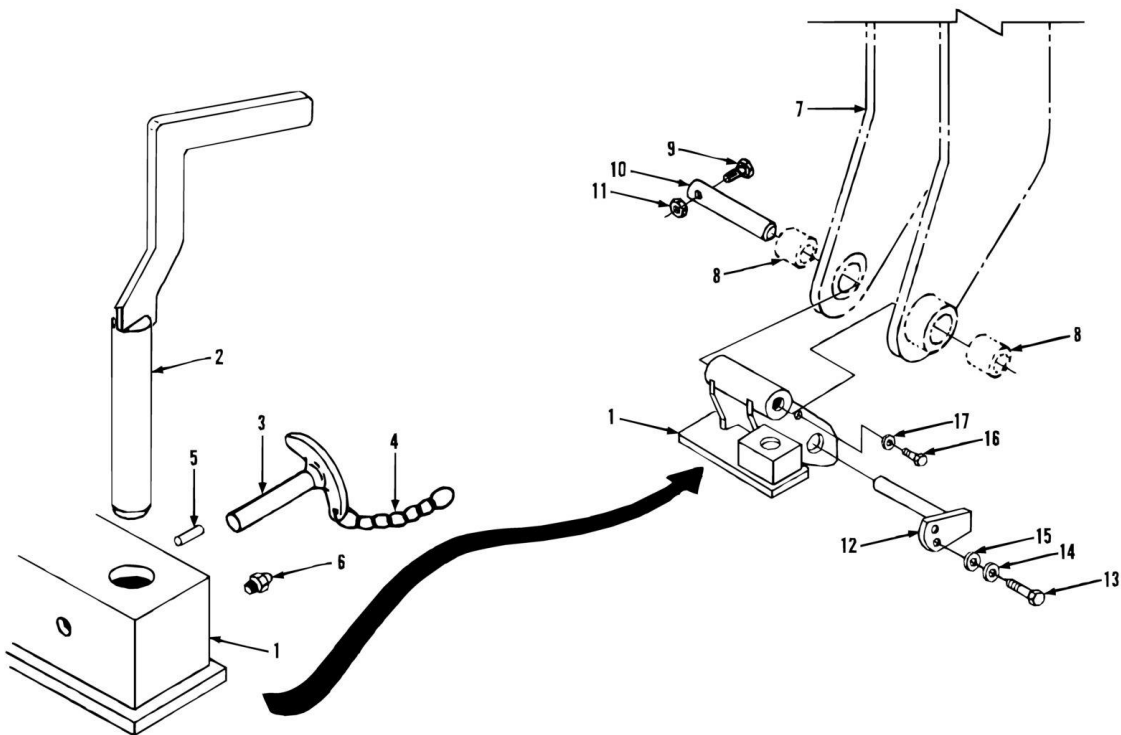
SECTION 2 - BOOM

FIGURE 2-4. EXTENSION AND RETRACTION CABLES (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88501116	2	HEX JAM NUT, 1-8	
2	88501016	2	HEX NUT, 1-8	
3	91121079	2	SPECIAL WASHER	
4	91123018	2	SPRING	
5	91146026	1	STRONG BACK	
6	91143026	2	EXTENSION CABLE	
7	91143109	3	BUSHING	
8	91041451	5	THRUSTWASHER	
9	91145052	2	EXTENSION SHEAVE ASSY (includes item 7)	
10	88561109	7	FLATWASHER, 3/8	
11	88551011	5	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	91341031	1	HOSE GUIDE PLATE	
25	88201034	4	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
26	91141148	1	GUIDE BAR	
27	88671001	2	LUBE FITTING, STRAIGHT, 1/8	
28	91146025	1	PUSH BEAM	
29	88201532	2	HEX HD CAPSCREW, 3/8-24X3/4, GR5	
30	91033187	1	BEARING PAD	
31	86881273	2	STRAIGHT TUBE FITTING	
32	Bulk	12 in	NYLON TUBING, 1/4	
33	86881276	2	90, TUBE FITTING	
34	91141359	1	CABLE SPRING BAR	
35	88501314	2	HEX NUT, 7/8-14 (torque to 100 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 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 for Breakdown)	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 2 - BOOM

FIGURE 2-5. QUICK SWITCH ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



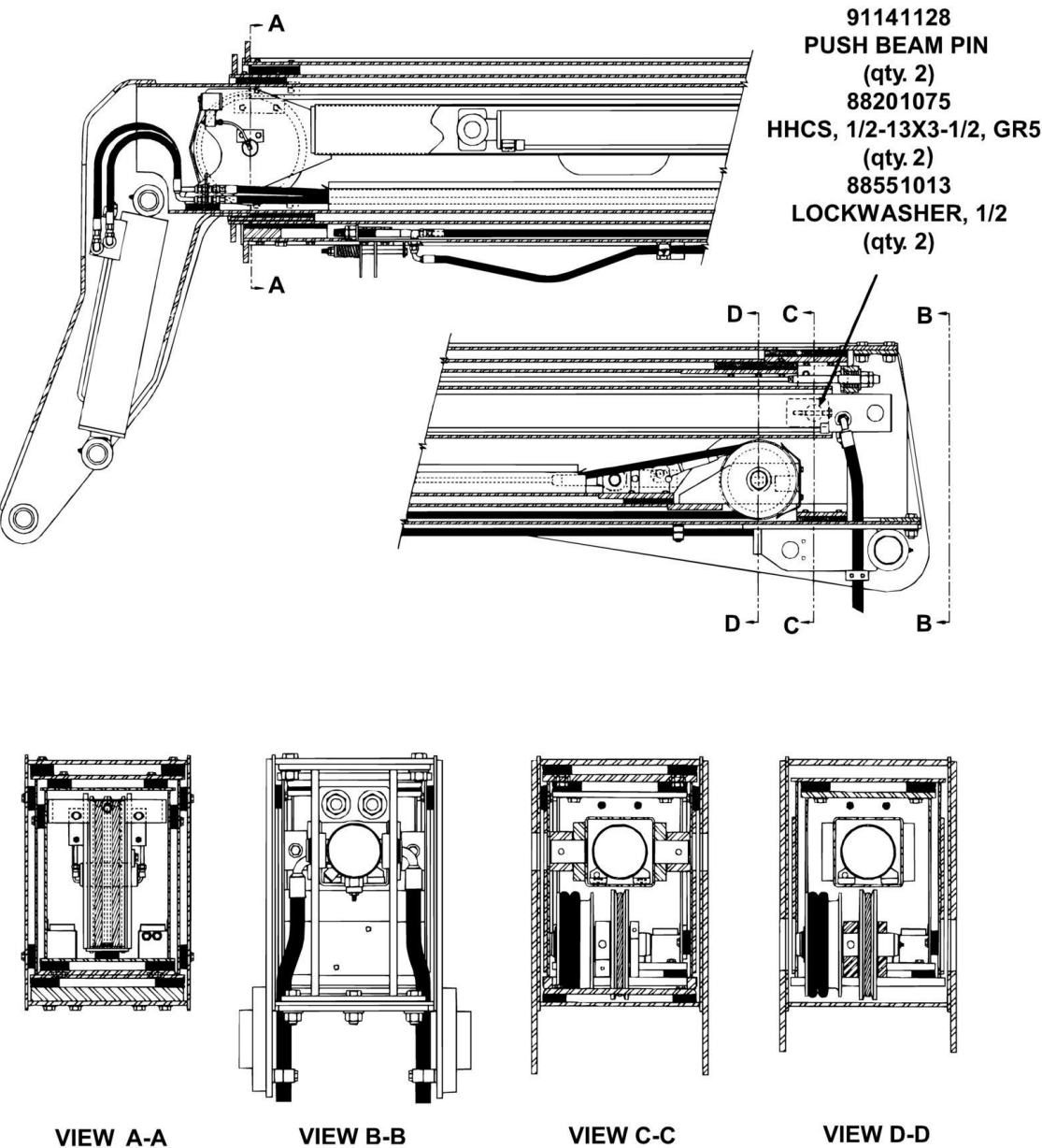
SECTION 2 - BOOM

FIGURE 2-5. QUICK SWITCH ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085091	1	QUICK SWITCH ASSY (includes items 1 thru 6, 15 & 16)	
1	91086152	1	QUICK SWITCH WELDMENT	
2	91086151	1	PLUNGER WELDMENT	
3	90207902	1	QUICK RELEASE PIN	
4	91033038	1	JACK CHAIN, 7IN LONG, SIZE 12	
5	88631509	1	ROLL PIN, 1/4X2	
6	88671008	1	LUBE FITTING, STRAIGHT, 1/4-28	
7	91146016	1	THIRD BOOM SECTION	
8	91031136	Ref	BUSHING	
9	88201107	1	HEX HD CAPSCREW, 5/8-11X5, GR5	
10	91041365	1	PIN	
11	88501010	1	HEX LOCKNUT, 5/8-11	
12	90207046	1	TILT CYLINDER PIN	
13	88201065	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
14	88551013	2	LOCKWASHER, 1/2	
15	88561111	2	FLATWASHER, 1/2	
16	88301193	1	ROUND HD MACHINE SCREW, #10-32X1/2	
17	88561105	1	FLATWASHER, #10	

SECTION 2 - BOOM

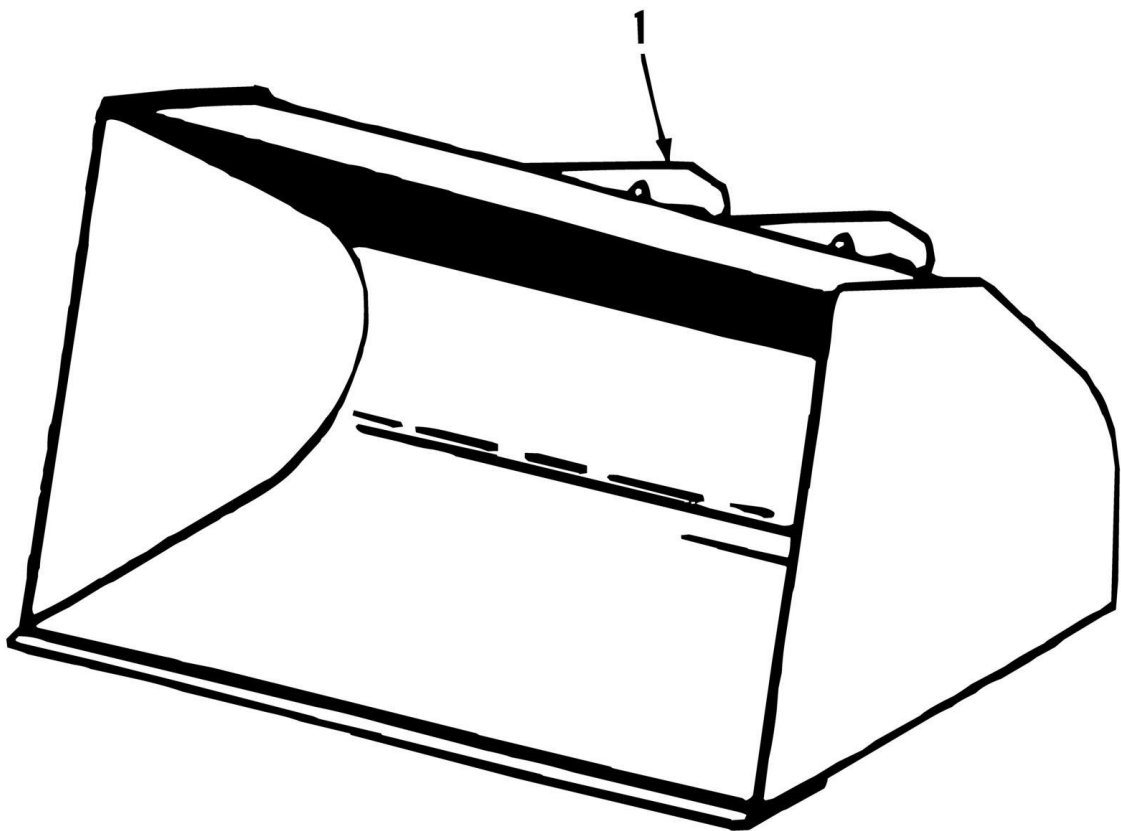
FIGURE 2-6. BOOM CROSS SECTION/PUSH BEAM PIN (SN 0344001 to Present, SN 0266001 to Present)



SECTION 3 - ATTACHMENTS

SECTION 3 - ATTACHMENTS

FIGURE 3-1. BUCKETS (SN 0344001 to Present, SN 0266063 to Present)



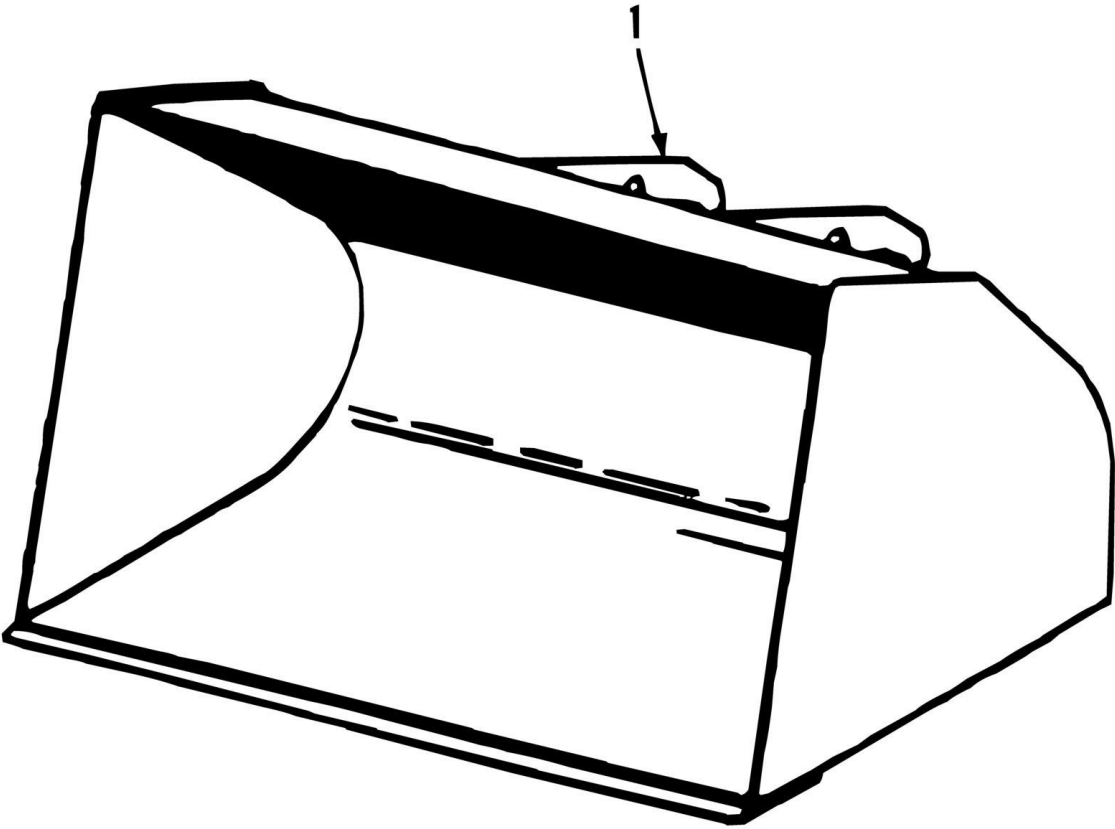
SECTION 3 - ATTACHMENTS

FIGURE 3-1. BUCKETS (SN 0344001 to Present, SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90455049	1	60IN BUCKET (3/4 yard capacity)	

SECTION 3 - ATTACHMENTS

FIGURE 3-2. BUCKETS (SN 0344001 to Present, SN 0266063 to Present)



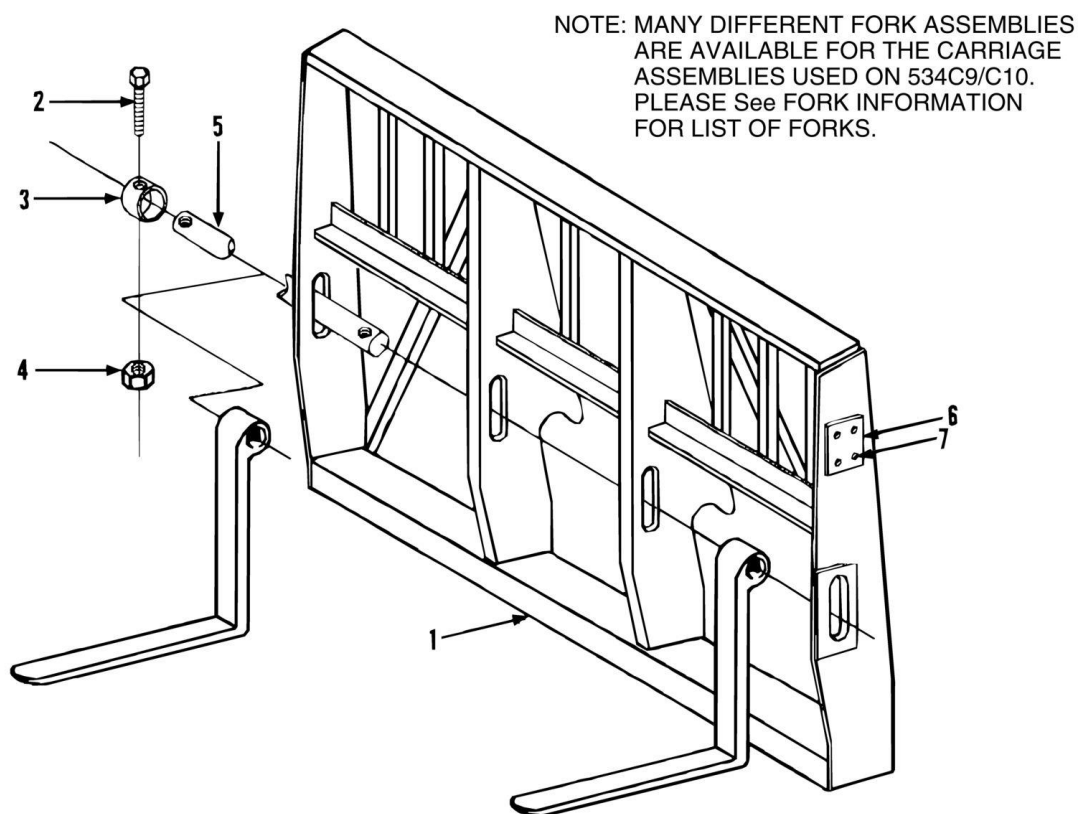
SECTION 3 - ATTACHMENTS

FIGURE 3-2. BUCKETS (SN 0344001 to Present, SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90555020	1	74IN BUCKET (1-1/4 yard capacity)	

SECTION 3 - ATTACHMENTS

FIGURE 3-3. (90455051) & (90455052) CARRIAGE ASSEMBLIES (SN 0344001 to Present, SN 0266063 to Present)



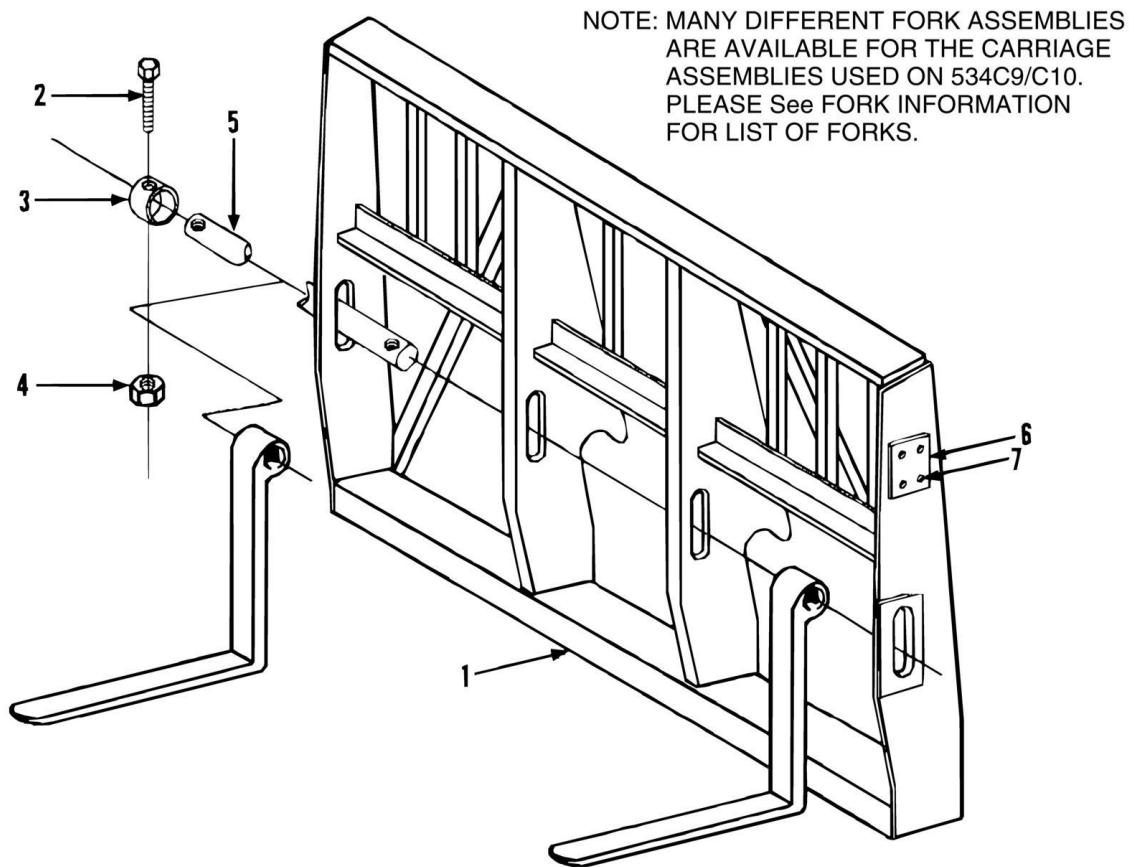
SECTION 3 - ATTACHMENTS

FIGURE 3-3. (90455051) & (90455052) CARRIAGE ASSEMBLIES (SN 0344001 to Present, SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455051	1	48IN CARRIAGE ASSY, (includes all items)	
1	90456009	1	48IN 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	
6	90153001	1	SERIAL NUMBER PLATE	
7	88341022	4	DRIVE SCREW, #10 X3/8	

SECTION 3 - ATTACHMENTS

FIGURE 3-4. (90455051) & (90455052) CARRIAGE ASSEMBLIES (SN 0344001 to Present, SN 0266063 to Present)



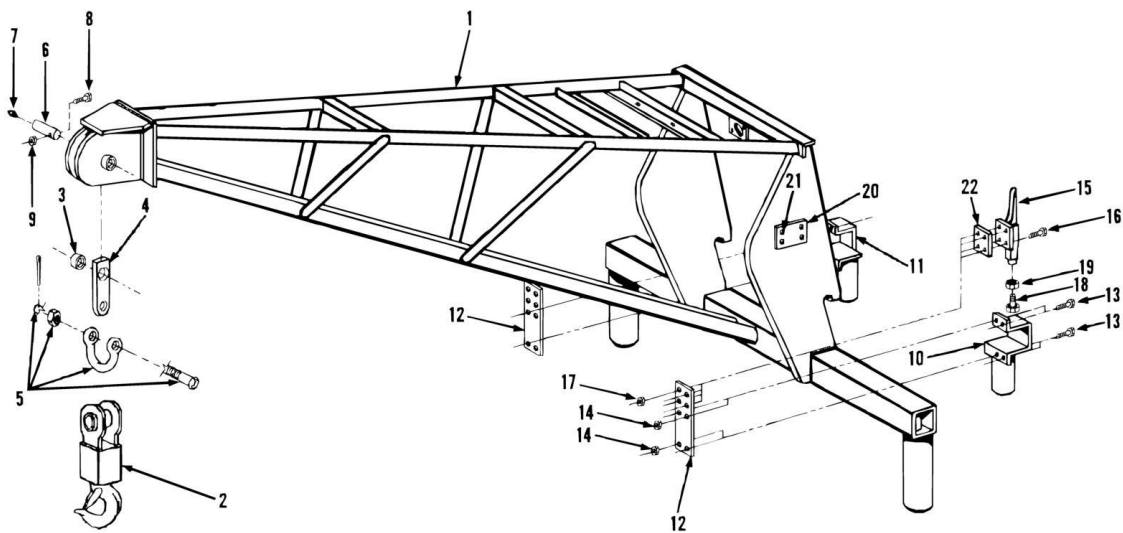
SECTION 3 - ATTACHMENTS

FIGURE 3-4. (90455051) & (90455052) CARRIAGE ASSEMBLIES (SN 0344001 to Present, SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455052	1	66IN CARRIAGE ASSY, (includes all items)	
1	90456010	1	66IN 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	90402478	1	FORK PIN	
6	90153001	1	SERIAL NUMBER PLATE	
7	88341022	4	DRIVE SCREW, #10X3/8	

SECTION 3 - ATTACHMENTS

FIGURE 3-5. (90455011) TRUSS BOOM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



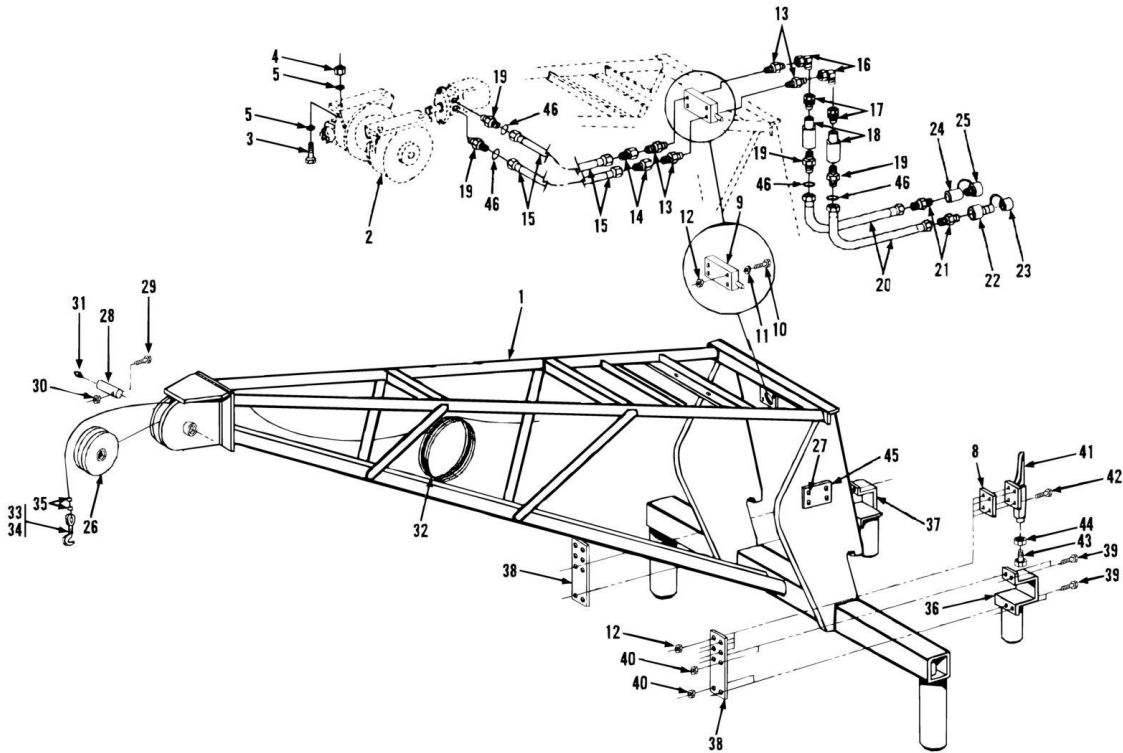
SECTION 3 - ATTACHMENTS

FIGURE 3-5. (90455011) TRUSS BOOM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455011	1	TRUSS BOOM, (includes all items)	
1	90801353	1	TRUSS BOOM WELDMENT	
2	90453040	1	SWIVEL HOOK	
3	90206046	1	BUSHING	
4	90451053	1	HANGER	
5	90453041	1	SHACKLE, (includes attachment hardware)	
5	90453041	1	BOLT	
5	90453041	1	NUT	
5	90453041	1	COTTER PIN	
6	90402948	1	PIN	
7	88671001	1	LUBE FITTING, STRAIGHT, 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	90153001	1	SERIAL NUMBER PLATE	
21	88341022	4	DRIVE SCREW, #10X3/8	
22	90451047	2	SPACER	

SECTION 3 - ATTACHMENTS

FIGURE 3-6. (90455012) TRUSS BOOM W/WINCH (SN 0344001 to Present, SN 0266001 to Present)



SECTION 3 - ATTACHMENTS

FIGURE 3-6. (90455012) TRUSS BOOM W/WINCH (SN 0344001 to Present, SN 0266001 to Present)

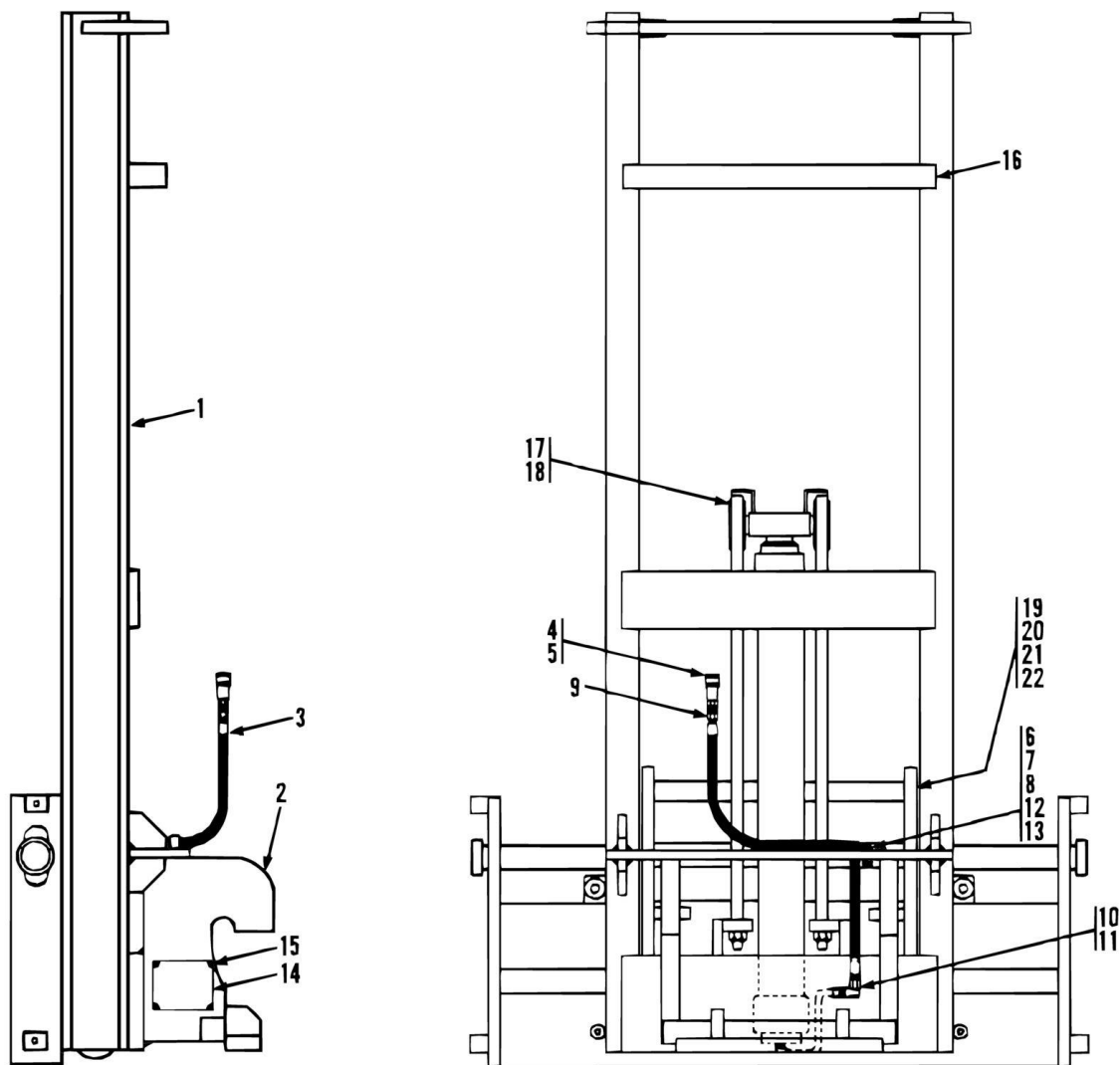
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455012	1	TRUSS BOOM ASSY W/WINCH, (includes all items)	
1	90801353	1	TRUSS BOOM WELDMENT	
2		Ref	WINCH W/MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88201096	4	HEX HD CAPSCREW, 5/8-11X1-3/4, GR5	
4	88501010	4	HEX NUT, 5/8-11	
5	88561113	8	FLAT WASHER, 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	90029935	2	TUBE REDUCER, 7/8X3/4	
15	90205121	2	HOSE ASSY	
16	88662107	2	ELBOW, 90, (swivel nut)	
17	90453016	2	ADAPTER	
18	90207880	2	FLOW LIMITER	
19	88662019	4	CONNECTOR, (includes item 46)	
20	84717644	2	HOSE ASSY	
21	88661013	2	MALE CONNECTOR, 1/2X1/2-01 (Prior to SN 2005283-01)	
21	88662006	2	CONNECTOR, (includes 88591205 o-ring), (SN 2005283-01 to Present)	
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	
27	88341022	4	DRIVE SCREW, #10X3/8	
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	LUBE FITTING, STRAIGHT, 1/8	
32	90207882	1	WIRE ROPE, 3/8IN 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	90153001	1	SERIAL NUMBER PLATE	

SECTION 3 - ATTACHMENTS

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

SECTION 3 - ATTACHMENTS

FIGURE 3-7. 6FT VERTICAL MAST (SN 0344001 to Present, SN 0266001 to Present)



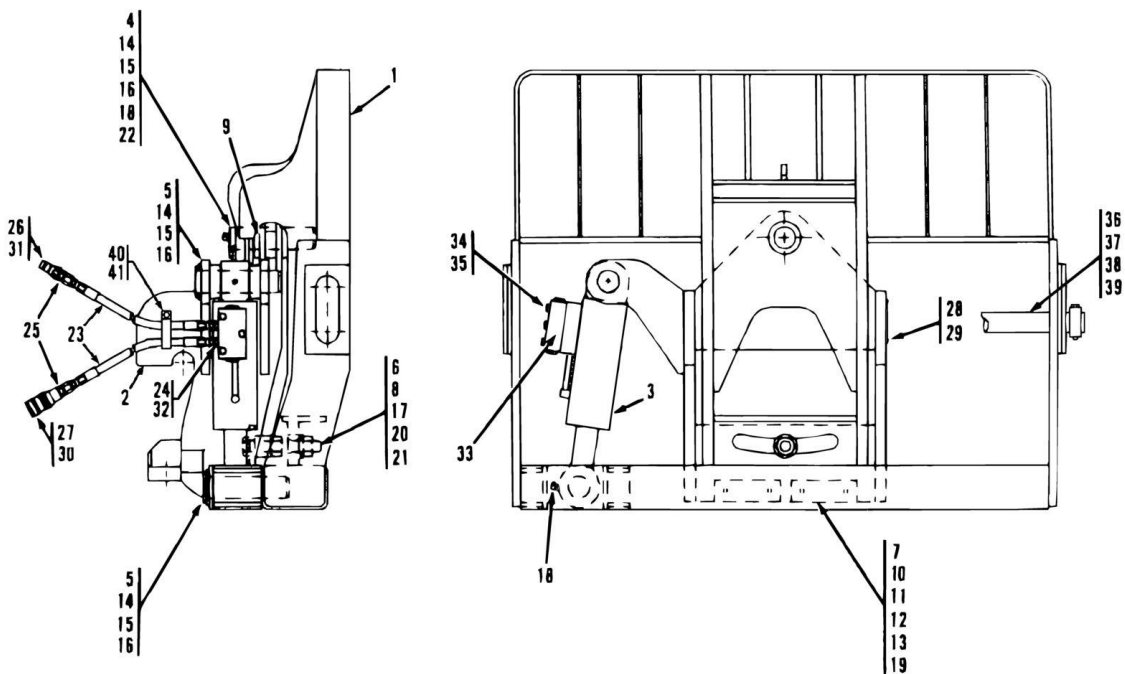
SECTION 3 - ATTACHMENTS

FIGURE 3-7. 6FT VERTICAL MAST (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455035	1	6 FT MAST ASSY, (48IN carriage), (includes all items)	
	90455037	1	6 FT MAST ASSY, (66IN carriage), (includes all items)	
	91143209	1	534C-9 CAPACITY CHART (located in cab)	
	91153015	1	534C-10 CAPACITY CHART (located in cab)	
1	90453031	1	CARRIAGE WELDMENT - 48IN	
1	90453032	1	CARRIAGE WELDMENT - 66IN	
2	90456002	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 CONNECTOR, 1/2X1/2 TUBE (Prior to SN 2005283-01)	
9	88662006	1	CONNECTOR, (includes 88591205 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	90153001	1	SERIAL NUMBER PLATE	
15	88341022	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	

SECTION 3 - ATTACHMENTS

FIGURE 3-8. (91085058) 48IN SLOPE PILER CARRIAGE (SN 0344001 to Present, SN 0266001 to Present)



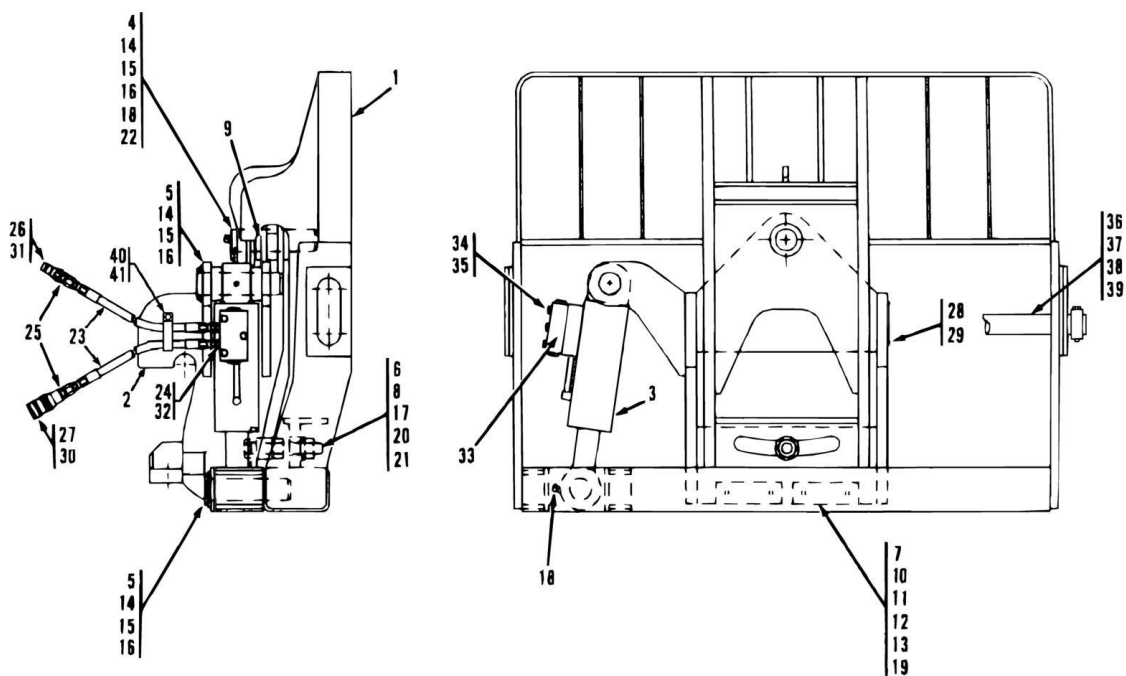
SECTION 3 - ATTACHMENTS

FIGURE 3-8. (91085058) 48IN SLOPE PILER CARRIAGE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085058	Ref	48IN SLOPE PILER CARRIAGE, (includes all items)	
	91143317	1	CAPACITY DECAL, 534C-9 (not shown)	
	91153013	1	CAPACITY DECAL, 534C-10 (not shown)	
1	91086121	1	CARRIAGE WELDMENT	
2	91086122	1	ADAPTER WELDMENT	
3		Ref	SWAY CYLINDER, (See OPTIONAL EQUIPMENT 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	83661316	2	CONNECTOR	
25	88661010	2	CONNECTOR (Prior to SN 2005283-01)	
25	88662018	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)	
28	88341022	4	DRIVE SCREW, #10X3/8	
29	90153001	1	SERIAL NUMBER PLATE	
30	91043125	1	DUST PLUG	
31	91043126	1	DUST CAP	
32	88662105	2	ELBOW, 90, (swivel nut)	
33		Ref	DUAL P.O. CHECK VALVE, (See OPTIONAL EQUIPMENT 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-LOCK NUT, 3/8-16	

SECTION 3 - ATTACHMENTS

FIGURE 3-9. (91305016) 66IN SLOPE PILER CARRIAGE (SN 0344001 to Present, SN 0266001 to Present)



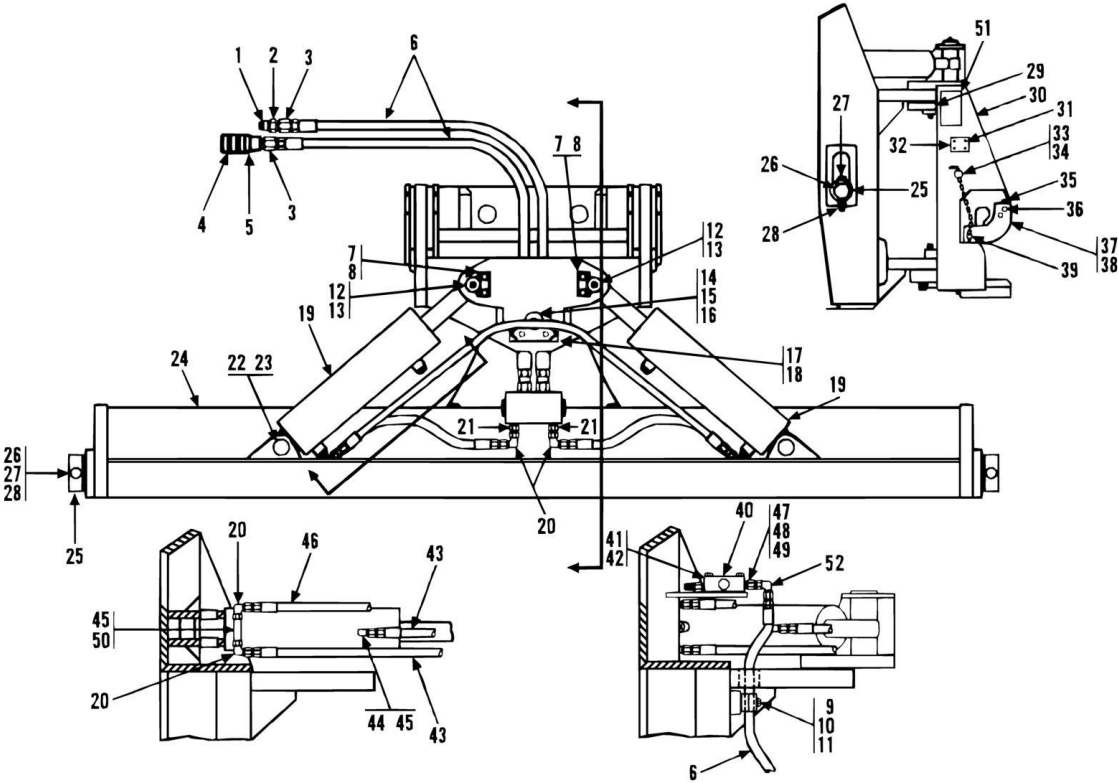
SECTION 3 - ATTACHMENTS

FIGURE 3-9. (91305016) 66IN SLOPE PILER CARRIAGE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91305016	Ref	66IN SLOPE PILER CARRIAGE (includes all items)	
	91143317	1	CAPACITY DECAL, 534C-9 (not shown)	
	91153013	1	CAPACITY DECAL, 534C-10 (not shown)	
1	91306030	1	CARRIAGE WELDMENT	
2	91086122	1	ADAPTER WELDMENT	
3		Ref	SWAY CYLINDER (See OPTIONAL EQUIPMENT 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	83661316	2	CONNECTOR	
25	88661010	2	CONNECTOR (Prior to SN 2005283-01)	
25	88662018	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)	
28	88341022	4	DRIVE SCREW, #10X3/8	
29	90153001	1	SERIAL NUMBER PLATE	
30	91043125	1	DUST PLUG	
31	91043126	1	DUST CAP	
32	88662105	2	ELBOW, 90, (swivel nut)	
33		Ref	DUAL P.O. CHECK VALVE (See OPTIONAL EQUIPMENT 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-LOCK NUT, 3/8-16	

SECTION 3 - ATTACHMENTS

FIGURE 3-10. (90455044) 100, SWING FORK (SN 0344001 to Present, SN 0266001 to Present)



SECTION 3 - ATTACHMENTS

FIGURE 3-10. (90455044) 100, SWING FORK (SN 0344001 to Present, SN 0266001 to Present)

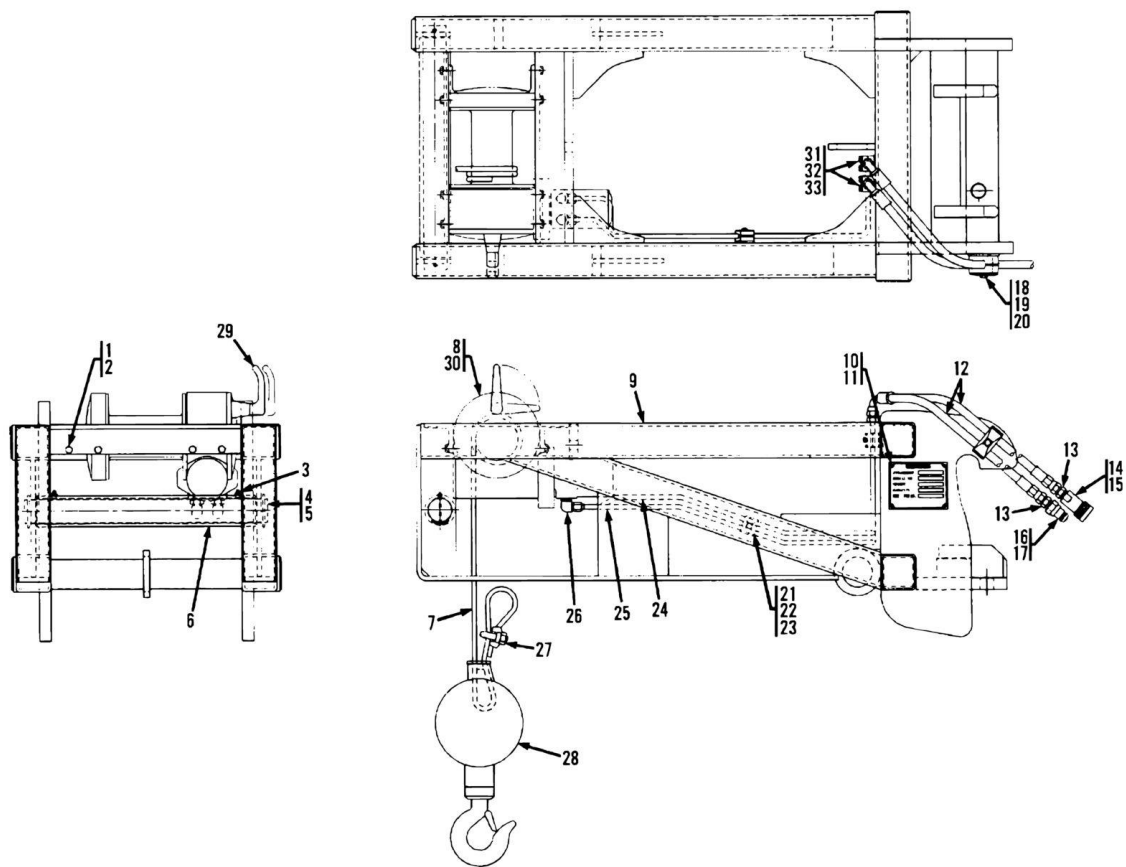
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455044	Ref	100, SWING FORK ASSY, (includes all items)	
	91143212	1	534C-9 CAPACITY DECAL, (located in cab)	
	91153016	1	534C-10 CAPACITY DECAL, (located in cab)	
1	91043126	1	DUST CAP	
2	91163138	1	MALE QUICK DISCONNECT (Prior to SN 2005283-01)	
2	91403414	1	MALE QUICK DISCONNECT, (SN 2005283-01 to Present)	
3	88661013	2	MALE CONNECTOR, 1/2X1/2 TUBE (Prior to SN 2005283-01)	
3	88662006	2	CONNECTOR, (includes 88591205 o-ring), (SN 2005283-01 to Present)	
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 (nylok), GR8	
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	LUBE FITTING, STRAIGHT, 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 OPTIONAL EQUIPMENT SECTION for Breakdown)	
20	88662105	6	ELBOW, 90, (swivel nut)	
21	88662018	2	CONNECTOR, (includes item 45)	
22	91041326	2	PIVOT PIN	
23	88581136	4	RETAINING RING	
24	91046061	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	88341022	4	DRIVE SCREW	
32	90153001	1	SERIAL NUMBER PLATE	
33	91033039	2	CHAIN CONNECTOR	
34	91033038	24 in	CHAIN	
35	88661449	2	ROLL PIN, 1/8X1-1/2	
36	91141350	2	PIN	
37	91146053	1	L.H. SUPPORT BRACKET	
38	91146054	1	R.H. SUPPORT BRACKET	
39	91043221	2	DETENT PIN	
40	91043186	1	DOUBLE PILOT CHECK VALVE	
41	88561002	2	FLAT WASHER	
42	88201008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	90204097	2	HOSE ASSY	
44	88662084	2	ELBOW, 45, (includes item 45)	
45	88591204	4	O-RING	
46	77133201	2	HOSE ASSY	
47	91041361	2	FITTING	
48	88591205	2	O-RING	
49	91041362	2	ORIFICE FITTING	
50	88662152	2	BRANCH TEE, (includes item 45)	
51	91143282	2	PINCH POINT DECAL	
52	88662106	2	ELBOW, 90, (swivel nut)	

SECTION 3 - ATTACHMENTS

FIGURE 3-11. (91085056) QUICK HOOK ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



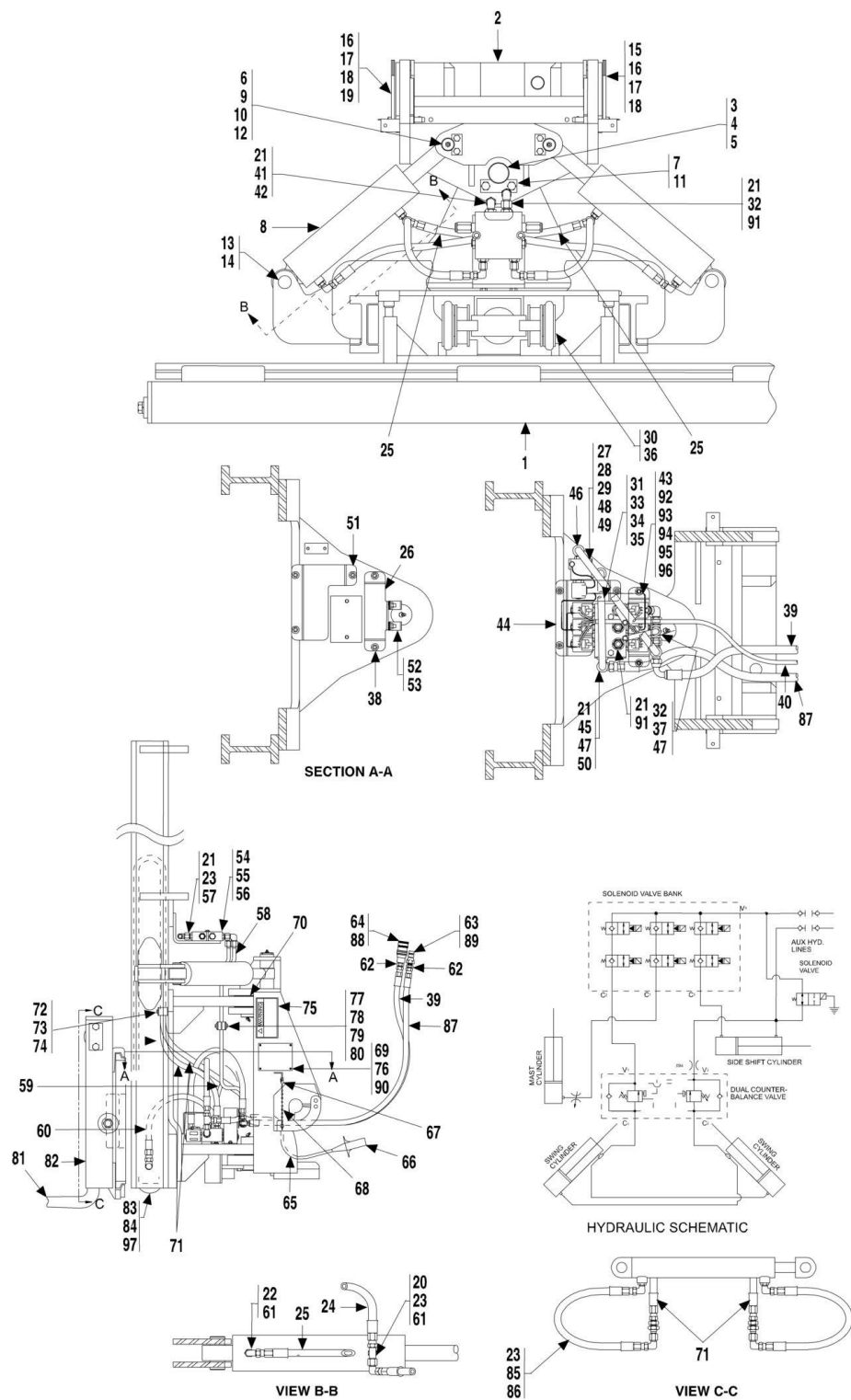
SECTION 3 - ATTACHMENTS

FIGURE 3-11. (91085056) QUICK HOOK ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085056	Ref	QUICK HOOK ASSY, (includes all items)	
1	88551011	8	LOCKWASHER, 3/8	
2	88201034	8	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
3	88671001	2	LUBE FITTING, STRAIGHT, 1/8	
4	91081574	1	PIN	
5	88631343	2	COTTER PIN	
6	91081573	1	ROLLER	
7	91083368	1	WIRE ROPE, (7/16IN Dia)	
8	91083367	1	WINCH	
9	91086119	1	QUICK HOOK WELDMENT	
10	90153001	1	SERIAL NUMBER PLATE	
11	88341022	4	ROUND HD DRIVE SCREW, #10X3/8	
12	90205126	2	HOSE ASSY	
13	77363079	2	STRAIGHT THREAD CONNECTOR (Prior to SN 2005283-01)	
13	88662006	2	CONNECTOR, (includes 88591205 o-ring), (SN 2005283-01 to Present)	
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	

SECTION 3 - ATTACHMENTS

FIGURE 3-12. (90455047) 6FT SWING MAST W/SIDE SHIFT (SN 0344001 to Present, SN 0266001 to Present)



SECTION 3 - ATTACHMENTS

FIGURE 3-12. (90455047) 6FT SWING MAST W/SIDE SHIFT (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90455047	Ref	6FT SWING MAST W/SIDE SHIFT, (includes all items)	
1	90456007	1	MAST WELDMENT	
2	91046062	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 OPTIONAL EQUIPMENT SECTION for Breakdown)	
9	91041324	2	PIVOT PIN	
10	88671008	2	LUBE FITTING, STRAIGHT, 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	88662152	2	BRANCH TEE, (includes item 61)	
21	88591205	7	O-RING	
22	88662064	2	ELBOW, 90, (includes item 61)	
23	88662105	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	88662106	2	ELBOW, 90, (swivel nut)	
33	90453019	1	SOLENOID VALVE BANK	
33	91144449	6	CARTRIDGE AND COIL	
33	91204190	6	SEAL KIT, (used on cartridge and coil)	
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	88661306	1	UNION TEE, 1/2 TUBE	
38	77143013	5	WHIZ-LOCKNUT, 1/4-20	
39	77133269	1	HOSE ASSY	
40	90453023	1	WIRING HARNESS	
41	90203384	2	ADAPTER	
42	91041362	1	ORIFICE FITTING	
43	91345026	1	DIODE ASSY, (includes items 92 thru 96)	
44	90453044	1	WIRING HARNESS	
45	84718047	1	HOSE ASSY	

SECTION 3 - ATTACHMENTS

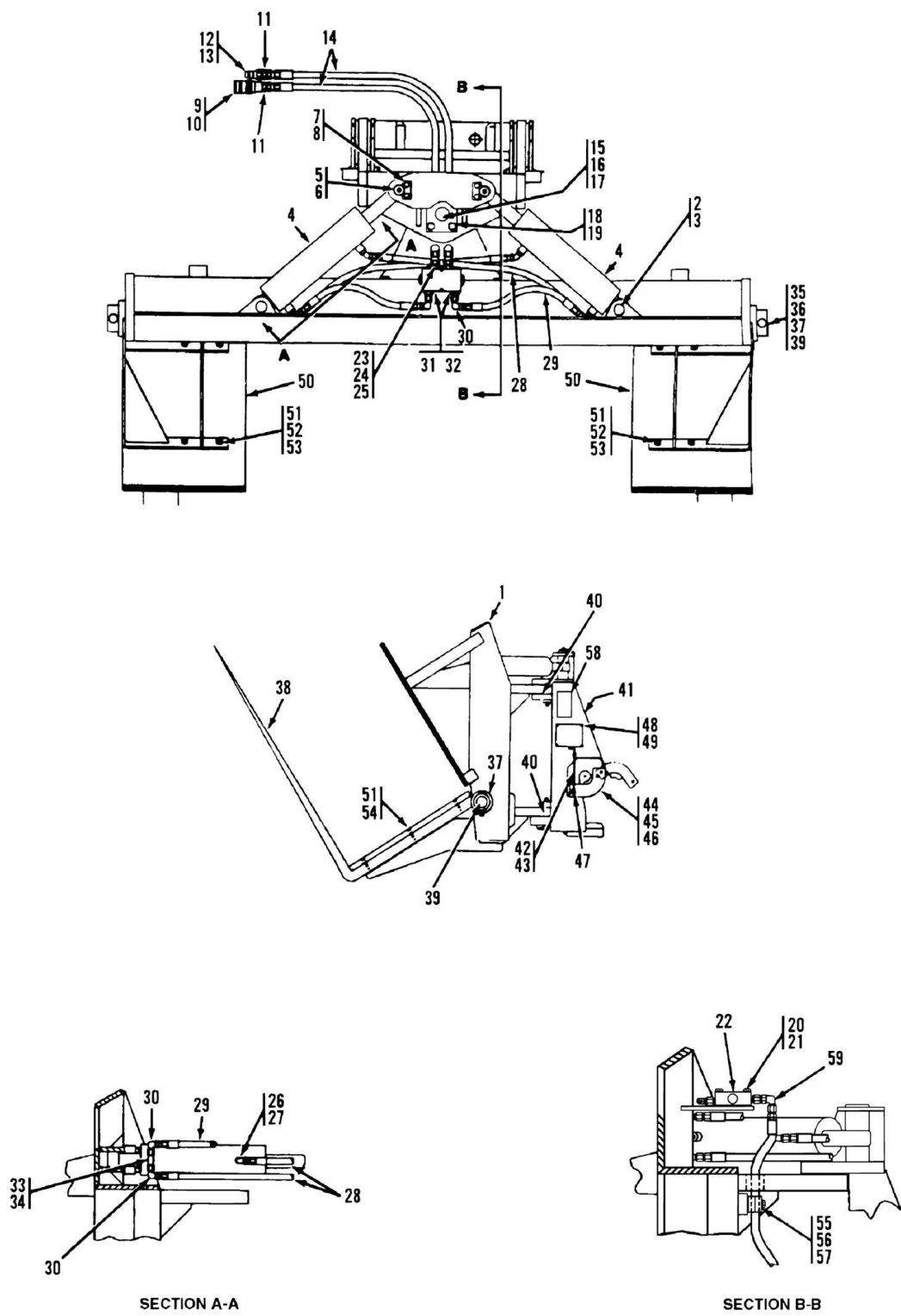
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	77133458	1	HOSE ASSY	
47	88662240	2	SWIVEL NUT RUN TEE, 1/2 TUBE	
48	77131088	2	ELBOW, 90	
49	90207719	1	JUMPER WIRE	
50	88662065	1	ELBOW, 90, (includes item 21)	
51	90451061	1	BACK COVER, (solenoid valve)	
52	80673023	2	SUPPORT CLAMP	
53	77143006	2	WHIZ-LOCKNUT, 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	88662018	2	CONNECTOR, (includes item 21)	
58	90453021	1	TUBE ASSY	
59	90453020	1	TUBE ASSY	
60	84711778	1	HOSE ASSY	
61	88591204	4	O-RING	
62	88661013	2	MALE CONNECTOR, 1/2X1/2 TUBE (Prior to SN 2005283-01)	
62	88662006	2	CONNECTOR, (includes 88591205 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	91033125	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	88341022	4	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 FORK INFORMATION for Breakdown)	
82	90453033	1	66IN S.S. 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	88661084	2	BULKHEAD UNION, 9/16-18X3/8 TUBE	
87	77133146	1	HOSE ASSY	
88	91163139	1	HYD COUPLING, FEMALE (Prior to SN 2005283-01)	
88	91403413	1	HYD COUPLING, FEMALE, (SN 2005283-01 to Present)	
89	91043126	1	DUST CAP	
90	90153001	1	SERIAL NUMBER PLATE	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
91	88662006	4	CONNECTOR, (includes item 21)	
92	77385131	1	DIODE ASSY	
93	91043440	2	PIGGYBACK CONNECTOR	
94	86661147	3 in	BLACK WIRE, 16GA	
95	86683480	1	BUTT CONNECTOR	
96	83683549	AR	HEAT SHRINK TUBING	
97	91034377	2	SCREW	

SECTION 3 - ATTACHMENTS

FIGURE 3-13. (90555013) 100, DRYWALL SWING FORK ASSEMBLY



SECTION 3 - ATTACHMENTS

FIGURE 3-13. (90555013) 100, DRYWALL SWING FORK ASSEMBLY

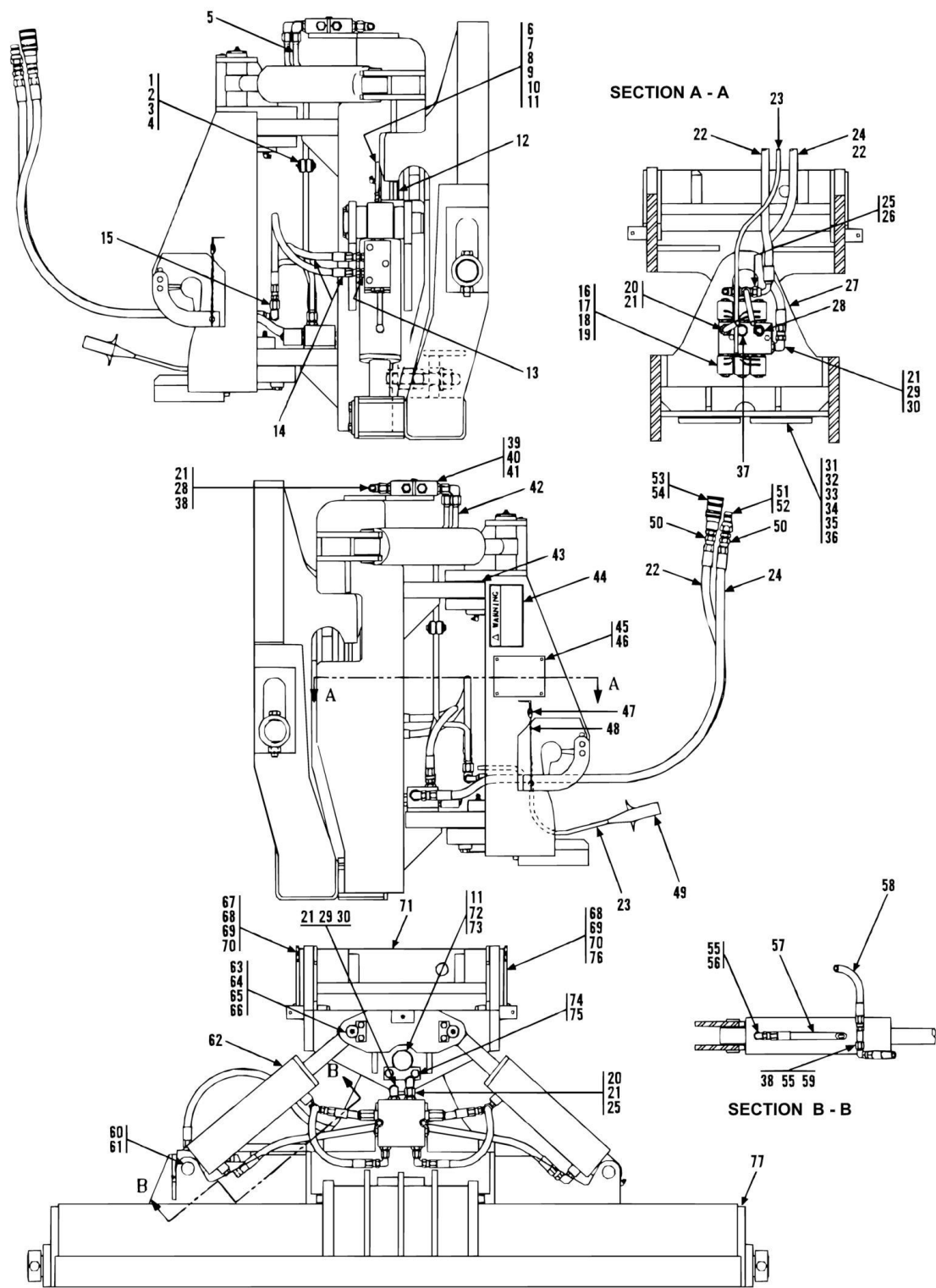
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90555013	1	100, DRYWALL SWING FORK ASSY, (includes all items)	
1	90556004	1	DRYWALL CARRIAGE WELDMENT	
2	91041326	2	PIVOT PIN	
3	88581136	4	EXTERNAL RETAINING RING	
4		Ref	HYDRAULIC CYLINDER ASSY, (See OPTIONAL EQUIPMENT SECTION for Breakdown)	
5	91041324	2	PIVOT PIN	
6	88671008	2	LUBE FITTING, STRAIGHT, 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	HYDRAULIC COUPLER, FEMALE (Prior to SN 2005283-01)	
10	91403413	1	HYDRAULIC COUPLER, FEMALE, (SN 2005283-01 to Present)	
11	88661013	2	MALE CONNECTOR, 1/2X1/2 TUBE (Prior to SN 2005283-01)	
11	88662006	2	CONNECTOR, (includes 88591205 o-ring), (SN 2005283-01 to Present)	
12	91043126	1	DUST CAP	
13	91163138	1	HYDRAULIC COUPLER, MALE (Prior to SN 2005283-01)	
13	91403414	1	HYDRAULIC COUPLER, MALE, (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	88662084	2	ELBOW, 45, (includes item 27)	
27	88591204	2	O-RING	
28	90204097	2	HOSE ASSY	
29	77133201	2	HOSE ASSY	
30	88662105	6	ELBOW, 90, (swivel nut)	
31	88662018	2	CONNECTOR, (includes item 32)	
32	88591205	2	O-RING	
33	88662152	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	91046062	1	PIVOT WELDMENT	
42	91033038	1	CHAIN, 24IN	
43	91033039	2	CHAIN CONNECTION	
44	88631449	2	ROLL PIN, 1/8X1-1/2	

SECTION 3 - ATTACHMENTS

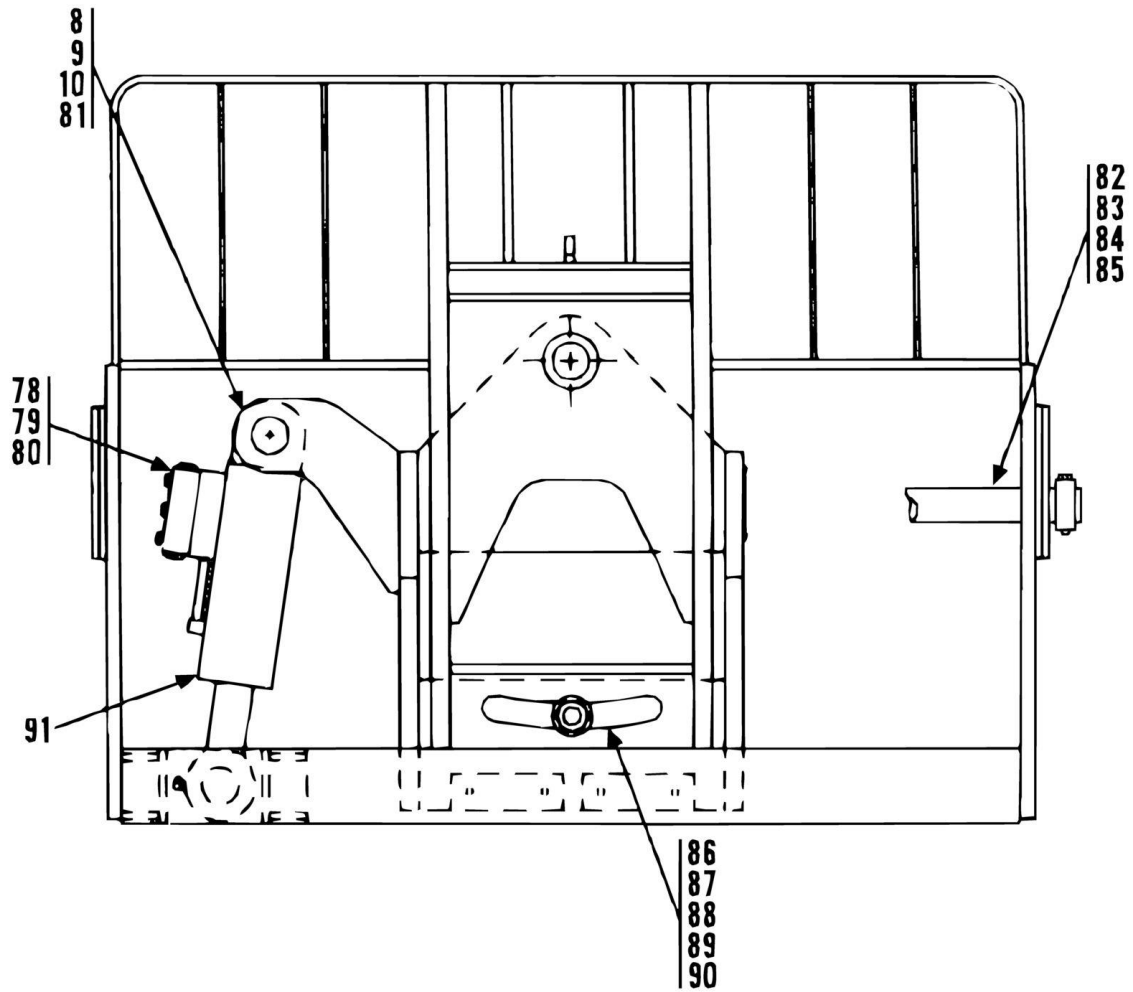
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	91141350	2	PIN	
46	91146053	1	SUPPORT BRACKET, L.H.	
46	91146054	1	SUPPORT BRACKET, R.H.	
47	91043221	2	DETENT PIN	
48	90153001	1	SERIAL NUMBER PLATE	
49	88341022	4	DRIVE SCREW, #10X3/8	
50	90553012	2	SIDE DRYWALL GUARD	
51	88241053	14	SOCKET FLAT HD CAPSCREW, 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	88662106	2	ELBOW, 90, (swivel nut)	

SECTION 3 - ATTACHMENTS

FIGURE 3-14. (91305021) SWINGING SLOPE PILER (SN 0344001 to Present, SN 0266001 to Present)



SECTION 3 - ATTACHMENTS



SECTION 3 - ATTACHMENTS

FIGURE 3-14. (91305021) SWINGING SLOPE PILER (SN 0344001 to Present, SN 0266001 to Present)

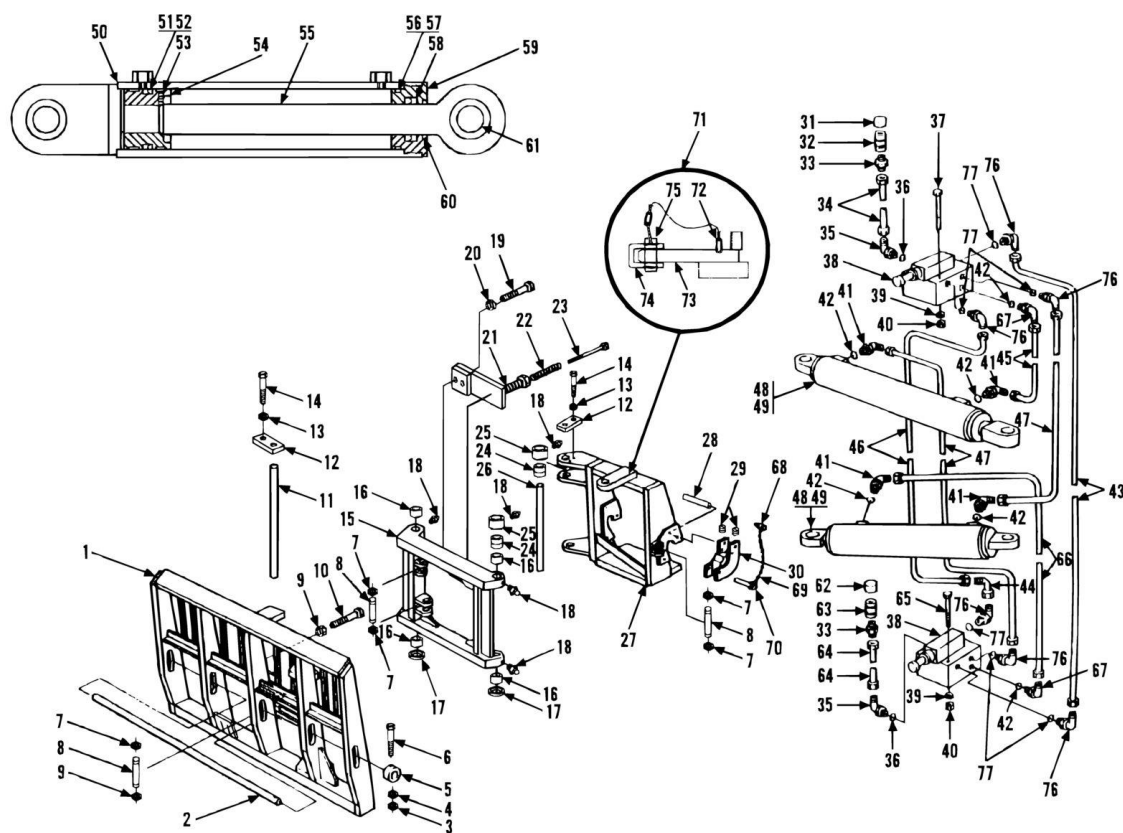
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91305021	1	SWINGING SLOPE PILER ASSY (includes all items)	
1	77133168	1	CLAMP SET	
2	77133140	2	COVER PLATE	
3	88201024	1	HEX HD CAPSCREW, 5/16-18X2, GR5	
4	88501005	1	HEX NUT, 5/16-18	
5	90453020	1	TUBE ASSY	
6	91083248	1	BUSHING	
7	91081622	1	PIN	
8	88201065	6	HEX HD CAPSCREW, 1/2-13X1, GR5	
9	88551013	6	LOCKWASHER, 1/2	
10	91081313	3	KEEPER PLATE	
11	88671022	4	LUBE FITTING, 90, 1/8	
12	91081594	1	THRUSTWASHER	
13	83661316	2	STRAIGHT THREAD CONNECTOR, 3/8 TUBE	
14	84717955	2	HOSE ASSY	
15	86883469	1	TUBE END REDUCER, 1/2-3/8 TUBE	
16	90453019	1	SOLENOID VALVE BANK	
17	88201025	2	HEX HD CAPSCREW, 5/16-18X2-1/4, GR5	
18	88561108	2	WASHER, 5/16	
19	88551010	2	LOCKWASHER, 5/16	
20	88662006	2	CONNECTOR (includes item 21)	
21	88591205	5	O-RING	
22	77133269	1	HOSE ASSY	
23	91303064	1	WIRING HARNESS	
24	77133146	1	HOSE ASSY	
25	88662106	2	ELBOW, 90, (swivel nut)	
26	88661306	1	UNION TEE, 1/2 TUBE	
27	91306032	1	INTERMEDIATE MEMBER	
28	88662018	3	CONNECTOR (includes item 21)	
29	90203384	2	ADAPTER	
30	91041362	2	ORIFICE FITTING	
31	90205870	4	SHIM (16 Ga)	
32	91031236	2	SPACER (.06 thick)	
33	88201537	4	HEX HD CAPSCREW, 3/8-24X1-3/4, GR5	
34	88201536	4	HEX HD CAPSCREW, 3/8-24X1-1/2, GR5	
35	88561109	4	FLAT WASHER, 3/8	
36	91033186	2	BEARING PAD	
37	88662175	1	HEX HD PLUG (includes item 21)	
38	88662105	4	ELBOW, 90, (swivel nut)	
39	90453018	1	DUAL COUNTERBALANCE VALVE	
40	88201008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
41	88561002	2	WASHER, 1/4	
42	90453021	1	TUBE ASSY	
43	91041356	6	SPACER	
44	91043209	2	PINCH POINT DECAL	
45	90153001	1	SERIAL NUMBER PLATE	
46	88341022	4	DRIVE SCREW, #10X3/8	
47	91033039	1	CHAIN CONNECTOR	
48	91033038	1	CHAIN, 24IN	
49	90207662	1	6 CONTACT PLUG	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	88661013	2	MALE CONNECTOR, 1/2X1/2 TUBE	
51	90204244	1	MALE TIP HYDRAULIC COUPLING	
52	91043126	1	DUST CAP	
53	90204245	1	FEMALE HYDRAULIC COUPLING	
54	91043125	1	DUST CAP	
55	88591204	4	O-RING	
56	88662064	2	ELBOW, 90, (includes item 55)	
57	90204097	2	HOSE ASSY	
58	77133201	2	HOSE ASSY	
59	88662152	2	BRANCH TEE (includes item 55)	
60	91041326	2	PIVOT PIN	
61	88581136	4	SNAP RING	
62		Ref	SWING CYLINDER (See OPTIONAL EQUIPMENT SECTION for Breakdown)	
63	91041324	2	PIVOT PIN	
64	88671008	2	LUBE FITTING, STRAIGHT, 1/4-28	
65	91041322	2	LOCKING PLATE	
66	83201024	4	HEX HD CAPSCREW, 3/8-16X1, GR8	
67	91146054	1	R.H. SUPPORT BRACKET	
68	91141350	2	PIN	
69	88631449	2	ROLL PIN, 1/8X1-1/2	
70	91043221	2	DETENT PIN	
71	91046062	1	PIVOT WELDMENT	
72	91041325	2	PIVOT PIN	
73	91041327	2	BUSHING	
74	91041323	2	LOCKING PLATE	
75	83201026	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR8	
76	91146053	1	L.H. SUPPORT BRACKET	
77	91306030	1	66IN CARRIAGE WELDMENT	
78		Ref	DUAL P.O. CHECK VALVE (See OPTIONAL EQUIPMENT SECTION for Breakdown)	
79	88201040	3	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
80	88551011	3	LOCKWASHER, 3/8	
81	91081554	2	PIN	
82	91301083	1	FORK PIN	
83	90200003	2	COLLAR	
84	88201105	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
85	88521310	2	LOCKNUT, 5/8-11	
86	90204007	1	TUBE	
87	91081577	1	TAP BOLT	
88	88521016	1	STOVER LOCKNUT 1IN	
89	88501016	1	HEX NUT, 1IN-8	
90	05101441	1	WASHER, 1-1/16IN	
91		Ref	SWAY CYLINDER (See OPTIONAL EQUIPMENT SECTION for Breakdown)	

SECTION 3 - ATTACHMENTS

FIGURE 3-15. (90553011) 180, SWING FRAME STARTING (SN 0344001 to Present, SN 0266001 to Present)



SECTION 3 - ATTACHMENTS

FIGURE 3-15. (90553011) 180, SWING FRAME STARTING (SN 0344001 to Present, SN 0266001 to Present)

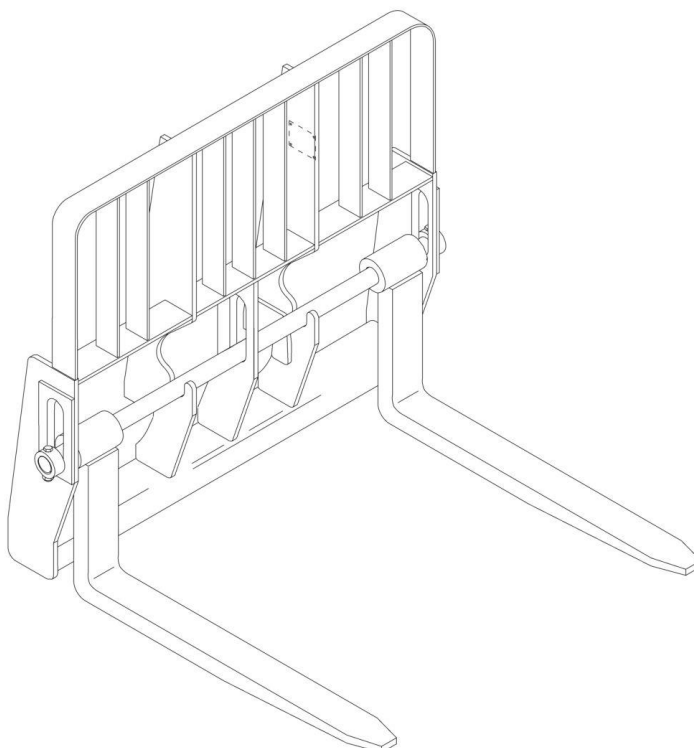
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90553011	1	SWING FRAME ASSY,180, (includes all items)	
	91144203	Ref	HOSE KIT, (includes items 34, 43, 45, 46, 47, 64 & 66)	
1	91144204	1	FORK BASE WELDMENT	
2	91144205	1	FORK PIN	
3	91144206	2	HEX NUT, 1/2	
4	91204400	2	LOCKWASHER, 1/2	
5	91144207	2	COLLAR	
6	91144208	2	HEX HD CAPSCREW, 1/2X3-1/4, GR5	
7	91144209	8	SNAP RING	
8	91144210	4	PIN	
9	91144211	1	HEAVY HEX JAM NUT, 3/4	
10	91144212	1	HEX HD CAPSCREW, 3/4X2, GR5	
11	91044251	1	SHAFT	
12	91044242	2	PIN RETAINER	
13	91204368	4	LOCKWASHER, 5/8	
14	91144213	4	HEX HD CAPSCREW, 5/8X1-1/4, GR5	
15	91044243	1	INTERMEDIATE FRAME	
16	91044244	4	BRONZE BUSHING	
17	91044245	AR	SHIM	
18	91144214	10	LUBE FITTING, STRAIGHT, 1/4	
19	91144215	2	HEX HD CAPSCREW, 1/4X3/4, GR5	
20	91144216	2	LOCKWASHER, 1/4	
21		Ref	DRILLED SHIM, 20 GAGE	
22	91144217	2	STEEL SCREW	
23	91144219	1	FLAT HD CAPSCREW, 2X1/4	
24	91044249	2	THRUST BEARING	
25	91044250	2	LUBRICATION COLLAR	
26	91044241	1	SHAFT	
27	91144220	1	FIXED FRAME	
28	91141350	2	PIN	
29	91144221	4	SOCKET SET SCREW, (cup point), 1/4X3/8	
30	91146053	1	PIN SUPPORT, L.H.	
30	91146054	1	PIN SUPPORT, R.H.	
31	91043126	1	DUST CAP, FEMALE	
32	90204245	1	QUICK DISCONNECT HYDRAULIC FITTING, FEMALE	
33	88661013	2	STRAIGHT FITTING	
34	91144222	1	HOSE ASSY	
35	91204563	2	ELBOW, 90, (includes item 36)	
36		Ref	O-RING	
37	91144223	2	HEX HD CAPSCREW, 5/16X3, GR5	
38		Ref	SWING VALVE ASSY, (See OPTIONAL EQUIPMENT SECTION for Breakdown)	
39	91144224	4	LOCKWASHER, 5/16	
40	91144225	2	HEX NUT, 5/16	
41	88662064	4	ELBOW, 90, (includes item 42)	
42	88591204	6	O-RING	
43	91144226	1	HOSE ASSY	
44	91144227	1	ELBOW, (swivel nut)	
45	91144228	1	HOSE ASSY	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	91144229	1	HOSE ASSY	
47	91144230	2	HOSE ASSY	
48	91044262	2	CYLINDER ASSY, (includes items 50 thru 60)	
49	91144231	AR	CYLINDER SEAL KIT, (includes items 51, 52, 56, 57, 58 & 60)	
50	91144232	1	TUBE ASSY	
51	Kit	1	PIP RING	
52	Kit	1	PISTON SEAL	
53	91144233	1	LOCKING SET SCREW	
54	91144234	1	PISTON	
55	91144235	1	ROD ASSY	
56	Kit	1	O-RING	
57	Kit	1	BACK-UP RING	
58	Kit	1	ROD SEAL	
59	91144236	1	GLAND	
60	Kit	1	ROD WIPER	
61	91144237	4	SPERICAL BEARING	
62	91043125	1	DUST CAP, MALE	
63	90204244	1	QUICK DISCONNECT HYDRAULIC FITTING, MALE	
64	91144238	1	HOSE ASSY	
65	91144239	2	HEX HD CAPSCREW, 5/16X3-1/4, GR5	
66	91144240	1	HOSE ASSY	
67	86971355	2	ELBOW, 90, LONG, (includes item 42)	
68		Ref	CHAIN CONNECTION	
69	91144241	1	CHAIN, 18IN	
70	91144242	2	DETENT PIN	
71	91144243	1	LOCK-LINK ASSY, (includes items 72 thru 75)	
72	91144244	1	CHAIN, 7IN	
73	91144245	1	LOCK-LINK VWELDMENT	
74	91144246	1	CLEVIS	
75	91144247	1	DETENT PIN	
76	88662062	6	ELBOW, 90, (includes item 77)	
77	88591203	6	O-RING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 3 - ATTACHMENTS

FIGURE 3-16. FORK INFORMATION



NOTE: FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASE 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.

NOTE: PLEASE CONSULT THE GRADALL PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.

SECTION 3 - ATTACHMENTS

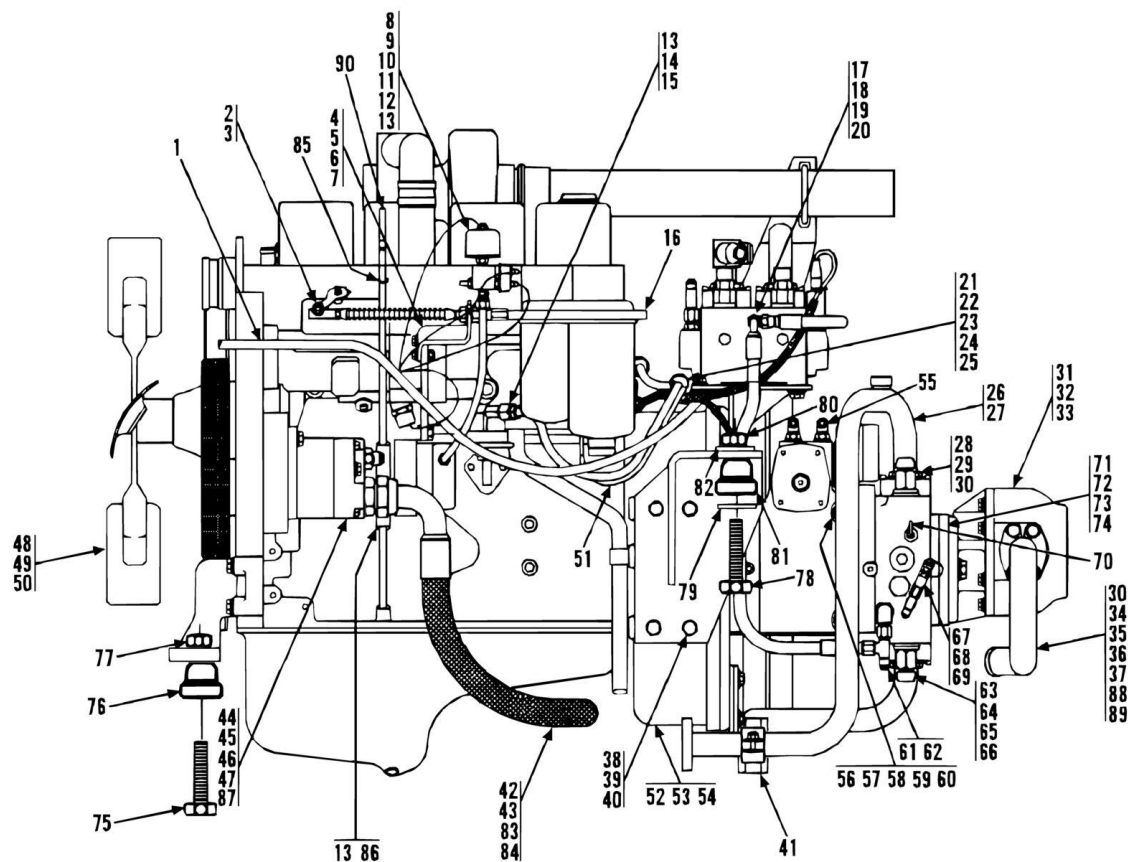
FIGURE 3-16. FORK INFORMATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90600390	2	48IN CUBING FORK, 2X2, 3000 lbs, (B, C and D series)	
	90601819	2	48IN PALLET FORK, 1-3/4X6, 9000 lbs, (B, C and D series)	
	90453002	2	48IN PALLET FORK, 2X4, 8000 lbs, (B, C and D series)	
	90553005	2	48IN PALLET FORK, 2X6, 10,000 lbs, (B, C and D series)	
	90553008	2	48IN PALLET FORK, 1-3/4X4, 5000 lbs, (used on 6ft swing mast only, P/N 90455047)	
	90601015	2	60IN PALLET FORK, 2X6, 10,000 lbs, (B, C and D series)	
	91163269	2	60IN PALLET FORK, 2X6, 11,300 lbs, (B, C and D series)	
	90453045	2	60IN PALLET FORK, 2X6, 11,300 lbs, (used on 6ft swing mast only, P/N 90455054)	
	90553018	2	72IN PALLET FORK, 2X6, 10,000 lbs, (B, C and D series)	
	91123132	2	72IN PALLET FORK, 2X6, 10,000 lbs, (B,C and D series)	
	90600832	2	48IN PALLET FORK, 2-1/4X8, 16,000 lbs, (used on the 542, 522 & 554)	
	90601873	2	48IN PALLET FORK, 2-1/4X7, 15,000 lbs, (used on the 542, 522 & 554)	
	90600833	2	60IN PALLET FORK, 2-1/4X8, 16,000 lbs, (used on the 542, 522 & 554)	
	90601219	2	60IN PALLET FORK, 2-1/2X8, 16,000 lbs, (used on the 542, 522 & 554)	
	90601874	2	60IN PALLET FORK, 2-1/4X7, 15,000 lbs, (used on the 542, 522 & 554)	
	H0453002	2	96IN PALLET FORK, 2X6, 7,500 lbs, loaded center, (B, C and D series)	
	90553018	2	72IN PALLET FORK, 2X6, 10,000 lbs, (B, C and D series)	

SECTION 4 - ENGINE AND ATTACHING PARTS

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. (91145126 & 91155002) ENGINE LEFT SIDE VIEW 534C-9 (91143174 CUMMINS ENGINE)
(SN 0344001 to Present, SN 0266001 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-1. (91145126 & 91155002) ENGINE LEFT SIDE VIEW 534C-9 (91143174 CUMMINS ENGINE)
(SN 0344001 to Present, SN 0266001 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085053		ENGINE FILTER KIT (includes the following items)	
	90206262		AIR FILTER	
	91084001		OIL FILTER	
	77383202		FUEL FILTER (primary)	
	77383203		FUEL FILTER (secondary)	
	91083218		FUEL FILTER (I/L)	
	91145126	Ref	ENGINE ASSY (534C-9) (includes all items except 75 thru 82 on See ENGINE LEFT SIDE VIEW, and all items on See ENGINE RIGHT SIDE VIEW)	
1	91143192	1	ENGINE WIRING HARNESS	
2	90027908	1	BALL JOINT	
3	88501613	1	HEX NUT, #10-32	
4	91141317	1	THROTTLE CABLE BRACKET	
5	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
6	88551009	2	LOCKWASHER, 1/4	
7	88501616	2	HEX NUT, 1/4-20	
8	24741047	1	PRESSURE SWITCH	
9	91033246	1	OIL PRESSURE SENDER	
10	91081388	1	TAPPED BAR	
11	86883075	2	TUBE FITTING	
12	Bulk	18 in	NYLON TUBE, 3/8IN	
13	90027187	5	TY-RAP	
14	82092118	45 in	FUEL LINE HOSE, 5/16	
15	90030271	1	HOSE NIPPLE	
16	91143112	1	THROTTLE CABLE	
17	77133447	1	HOSE ASSY	
18	88591206	1	O-RING	
19	91083306	1	STRAIGHT THREAD CONNECTOR, (includes item 18)	
20	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
21	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
22	24861170	2	SUPPORT CLAMP	
23	90028660	2	SUPPORT CLAMP	
24	88501005	2	HEX NUT, 5/16-18	
25	88551010	2	LOCKWASHER, 5/16	
26	91143055	1	TUBE ASSY	
27	91083106	1	O-RING	
28	84712738	2	SPLIT FLANGE CLAMP	
29	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
30	88551012	8	LOCKWASHER, 7/16	
31		Ref	MAIN HYDRAULIC PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
32	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
33	90027472	2	HARDENED WASHER, 5/8	
34	88591027	1	O-RING	
35	91143121	1	SUCTION TUBE	
36	84711334	2	FLANGE CLAMP	
37	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
38	91146021	1	LEFT ENGINE MOUNT	
39	83191032	4	HEX HD CAPSCREW, M12X1.75X35	

SECTION 4 - ENGINE AND ATTACHING PARTS

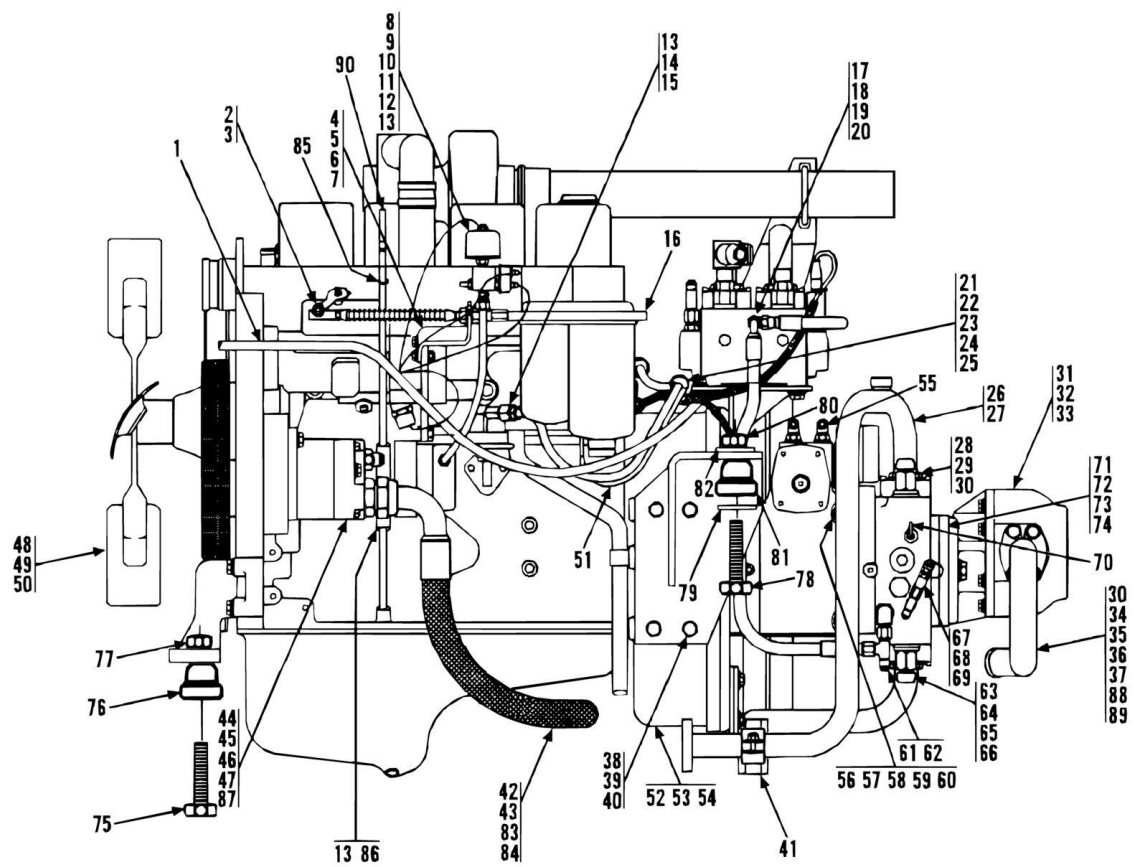
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	83191010	4	LOCKWASHER, M12	
41	90205792	1	CUSHION CLAMP	
42	91143176	1	STRAIGHT THREAD ADAPTER	
43	91143184	1	HOSE ASSY	
44	88662019	1	STRAIGHT THREAD ADAPTER (includes o-ring)	
44	88591206	1	O-RING	
45		Ref	HYDRAULIC GEAR PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46	83191040	2	SOCKET HD CAPSCREW, M10X1.5X30	
47	83191013	2	LOCKWASHER, M10	
48	91143043	1	FAN ASSY	
49	83191039	4	HEX HD CAPSCREW, M8X1.25X80	
50	88561108	4	WASHER, 5/16	
51	91083403	56 in	FUEL LINE HOSE, 7/32IN	
52	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8 (torque to 40 ft lbs)	
53	88551011	8	LOCKWASHER, 3/8	
54	91143013	1	PUMP MOUNT AND FLYWHEEL COUPLING (includes the following)	
54	91344048	1	MOUNTING PLATE	
54	91344049	1	COUPLER	
55	90027906	2	STRAIGHT THREAD ELBOW, 90	
56	88662018	1	STRAIGHT THREAD CONNECTOR (includes o-ring)	
56	88591205	1	O-RING	
57	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE (not illustrated)	
58	83651133	1	REDUCER W/ADAPTER (not illust)	
59	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE (not illustrated)	
60	88662008	1	STRAIGHT THREAD CONNECTOR (includes o-ring) (not illustrated)	
60	88591207	1	O-RING (not illustrated)	
61	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
62	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
63	88662011	1	STRAIGHT THREAD CONNECTOR (includes o-ring)	
63	88591210	1	O-RING	
64	91143087	1	INTAKE TUBE	
65	91143143	1	HOSE	
66	90028695	1	BAND CLAMP	
67	88662222	1	SWIVEL NUT BRANCH TEE, 1/4	
68	88662003	1	STRAIGHT THREAD CONNECTOR, (includes o-ring)	
68	88591202	1	O-RING	
69	91143177	1	TEST COUPLING	
70	91053020	1	TEST COUPLING	
71		Ref	HYDROSTATIC TRANSMISSION PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
72	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5 (torque to 240-265 ft lbs)	
73	90027473	2	HARDENED WASHER, 3/4	
74	91144002	1	O-RING	
75	91143131	1	HEX HD CAPSCREW, M12X1.75X90	
76	91143030	1	SHOCK MOUNT	
77	83783028	1	HEX NUT	
78	88201075	2	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
79	91143032	2	REBOUND WASHER	
80	88521008	2	LOCKNUT, 1/2-13	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
81	91143031	2	SHOCK MOUNT	
82	88561111	2	FLAT WASHER, 1/2	
83	80633030	1	HOSE CLAMP	
84	91143183	1	TUBE ASSY	
85	85841094	1	SUPPORT CLAMP	
86	91083493	4 in	HIGH TEMPERATURE LOOM	
87	86671112	1	GASKET	
88	91143185	1	HOSE ASSY	
89	90028482	1	HOSE CLAMP	
90	91124125	1	DIPSTICK	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. (91145126 & 91155002) ENGINE LEFT SIDE VIEW 534C-10 (91153001 CUMMINS ENGINE) (SN 0344001 to Present, SN 0266001 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. (91145126 & 91155002) ENGINE LEFT SIDE VIEW 534C-10 (91153001 CUMMINS ENGINE) (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91165020		ENGINE FILTER KIT (includes the following items)	
	91154001		AIR FILTER	
	91084001		OIL FILTER	
	77383202		FUEL FILTER (primary)	
	77383203		FUEL FILTER (secondary)	
	91083218		FUEL FILTER (I/L)	
	91155002	Ref	ENGINE ASSY (534C-10) (includes all items except 75 thru 82 See ENGINE LEFT SIDE VIEW, and all items See ENGINE RIGHT SIDE VIEW)	
1	91143192	1	ENGINE WIRING HARNESS	
2	90027908	1	BALL JOINT	
3	88501613	1	HEX NUT, #10-32	
4	91141317	1	THROTTLE CABLE BRACKET	
5	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
6	88551009	2	LOCKWASHER, 1/4	
7	88501616	2	HEX NUT, 1/4-20	
8	24741047	1	PRESSURE SWITCH	
9	91033246	1	OIL PRESSURE SENDER	
10	91081388	1	TAPPED BAR	
11	86883075	2	TUBE FITTING	
12	Bulk	18 in	NYLON TUBE, 3/8IN	
13	90027187	5	TY-RAP	
14	82092118	45 in	FUEL LINE HOSE, 5/16	
15	90030271	1	HOSE NIPPLE	
16	91143112	1	THROTTLE CABLE	
17	77133447	1	HOSE ASSY	
18	88591206	1	O-RING	
19	91083306	1	STRAIGHT THREAD CONNECTOR, (includes item 18)	
20	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
21	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
22	24861170	2	SUPPORT CLAMP	
23	90028660	2	SUPPORT CLAMP	
24	88501005	2	HEX NUT, 5/16-18	
25	88551010	2	LOCKWASHER, 5/16	
26	91143055	1	TUBE ASSY	
27	91083106	1	O-RING	
28	84712738	2	SPLIT FLANGE CLAMP	
29	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
30	88551012	8	LOCKWASHER, 7/16	
31		Ref	MAIN HYDRAULIC PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
32	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
33	90027472	2	HARDENED WASHER, 5/8	
34	88591027	1	O-RING	
35	91143121	1	SUCTION TUBE	
36	84711334	2	FLANGE CLAMP	
37	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
38	91146021	1	LEFT ENGINE MOUNT	
39	83191032	4	HEX HD CAPSCREW, M12X1.75X35	

SECTION 4 - ENGINE AND ATTACHING PARTS

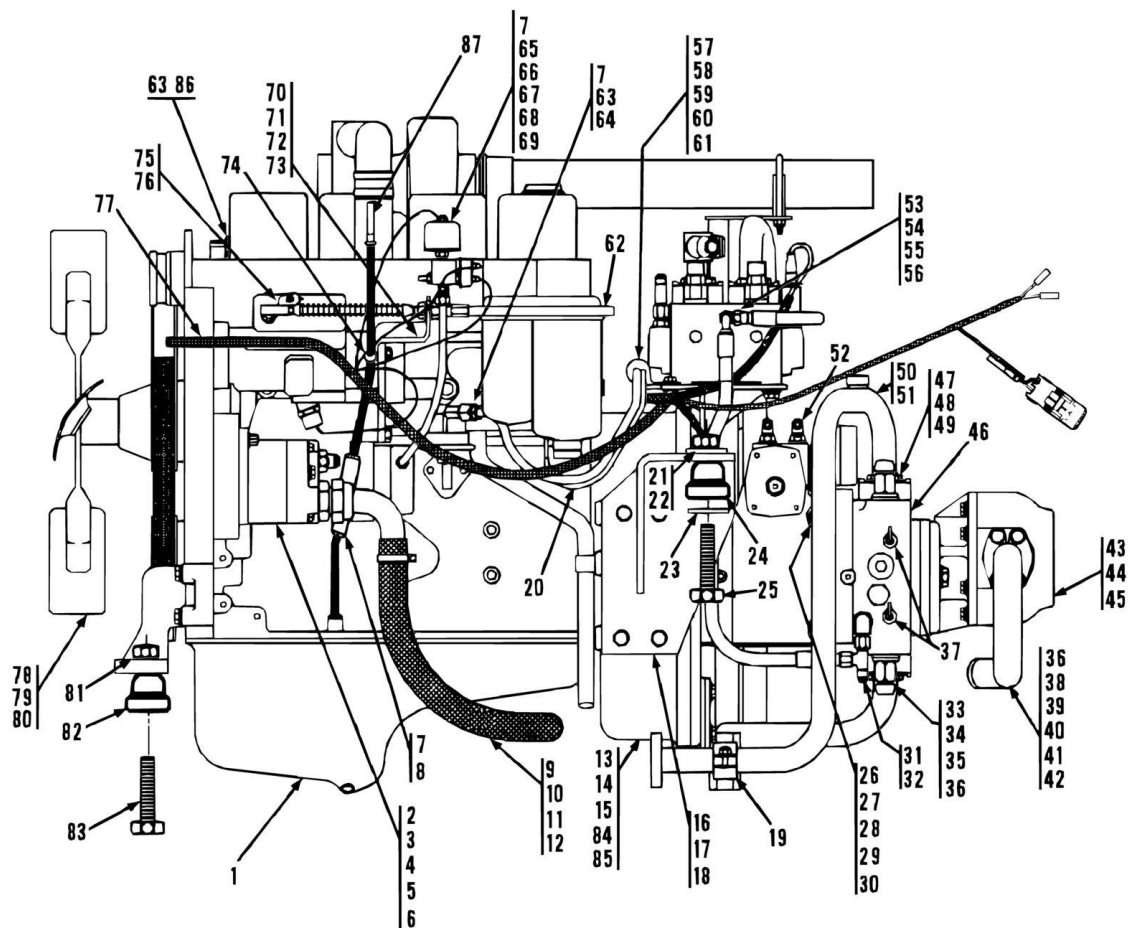
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	83191010	4	LOCKWASHER, M12	
41	90205792	1	CUSHION CLAMP	
42	91143176	1	STRAIGHT THREAD ADAPTER	
43	91143184	1	HOSE ASSY	
44	88662019	1	STRAIGHT THREAD ADAPTER (includes o-ring)	
44	88591206	1	O-RING	
45		Ref	HYDRAULIC GEAR PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46	83191040	2	SOCKET HD CAPSCREW, M10X1.5X30	
47	83191013	2	LOCKWASHER, M10	
48	91143043	1	FAN ASSY	
49	83191039	4	HEX HD CAPSCREW, M8X1.25X80	
50	88561108	4	WASHER, 5/16	
51	91083403	56 in	FUEL LINE HOSE, 7/32IN	
52	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8 (torque to 40 ft lbs)	
53	88551011	8	LOCKWASHER, 3/8	
54	91143013	1	PUMP MOUNT AND FLYWHEEL COUPLING (includes the following)	
54	91344048	1	MOUNTING PLATE	
54	91344049	1	COUPLER	
55	90027906	2	STRAIGHT THREAD ELBOW, 90	
56	88662018	1	STRAIGHT THREAD CONNECTOR (includes o-ring)	
56	88591205	1	O-RING	
57	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE (not illustrated)	
58	83651133	1	REDUCER W/ADAPTER (not illust)	
59	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE (not illustrated)	
60	88662008	1	STRAIGHT THREAD CONNECTOR (includes o-ring) (not illustrated)	
60	88591207	1	O-RING (not illustrated)	
61	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
62	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
63	88662011	1	STRAIGHT THREAD CONNECTOR (includes o-ring)	
63	88591210	1	O-RING	
64	91143087	1	INTAKE TUBE	
65	91143143	1	HOSE	
66	90028695	1	BAND CLAMP	
67	88662222	1	SWIVEL NUT BRANCH TEE, 1/4	
68	88662003	1	STRAIGHT THREAD CONNECTOR, (includes o-ring)	
68	88591202	1	O-RING	
69	91143177	1	TEST COUPLING	
70	91053020	1	TEST COUPLING	
71		Ref	HYDROSTATIC TRANSMISSION PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
72	88201112	2	HEX HD CAPSCREW, 3/4-10X2-1/4, GR5 (torque to 240-265 ft lbs)	
73	90027473	2	HARDENED WASHER, 3/4	
74	91144002	1	O-RING	
75	91143131	1	HEX HD CAPSCREW, M12X1.75X90	
76	91143030	1	SHOCK MOUNT	
77	83783028	1	HEX NUT	
78	88201075	2	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
79	91143032	2	REBOUND WASHER	
80	88521008	2	LOCKNUT, 1/2-13	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
81	91143031	2	SHOCK MOUNT	
82	88561111	2	FLAT WASHER, 1/2	
83	80633030	1	HOSE CLAMP	
84	91143183	1	TUBE ASSY	
85	85841094	1	SUPPORT CLAMP	
86	91083493	4 in	HIGH TEMPERATURE LOOM	
87	86671112	1	GASKET	
88	91143185	1	HOSE ASSY	
89	90028482	1	HOSE CLAMP	
90	91124125	1	DIPSTICK	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. (91145117 & 91155006) ENGINE LEFT SIDE VIEW 534C-9 (91145117 CUMMINS ENGINE)
(534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-3. (91145117 & 91155006) ENGINE LEFT SIDE VIEW 534C-9 (91145117 CUMMINS ENGINE)
(534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085053		ENGINE FILTER KIT (includes the following items)	
	90206262		AIR FILTER	
	91084001		OIL FILTER	
	77383202		FUEL FILTER (primary)	
	77383203		FUEL FILTER (secondary)	
	91083218		FUEL FILTER (I/L)	
	91145117	Ref	ENGINE ASSY (534C-9) (includes all items except 21 thru 25, 81, 82 & 83 See ENGINE LEFT SIDE VIEW, and all items See ENGINE RIGHT SIDE VIEW)	
	91155006	Ref	ENGINE ASSY (534C-10) (includes all items except 21 thru 82, 81, 82 & 83 See ENGINE LEFT SIDE VIEW, and all items See ENGINE RIGHT SIDE VIEW)	
1	91143174	1	CUMMINS ENGINE, 4BT3.9 (C-9)	
1	91153001	1	CUMMINS ENGINE, 4BTA3.9 (C-10)	
2	88662019	1	CONNECTOR (includes o-ring)	
2	88591206	1	O-RING	
3		Ref	GEAR PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4	83191040	2	SOCKET HD CAPSCREW, M10X1.5X30	
5	83191013	2	LOCKWASHER, M10	
6	86671112	1	GASKET	
7	90027187	5	TY-RAP	
8	Bulk	4 in	SPLIT FLEX LOOM, 1/2 I.D.	
9	91143176	1	STRAIGHT THREAD CONNECTOR	
10	91143184	1	HOSE ASSY	
11	80633030	1	HOSE CLAMP	
12	91143183	1	TUBE ASSY	
13	91143013	1	PUMP MOUNT AND FLYWHEEL COUPLING (includes the following)	
13	91344048	1	MOUNTING PLATE	
13	91344049	1	COUPLING (bolts included)	
14	88211068	8	SOCKETHD CAPSCREW, 3/8-16X5/8	
15	88551011	8	LOCKWASHER, 3/8	
16	91146021	1	LEFT ENGINE MOUNT	
17	83191032	4	HEX HD CAPSCREW, M12X1.75X35	
18	83191010	8	LOCKWASHER, M12	
19	90205792	1	CUSHION CLAMP	
20	Bulk	56 in	FUEL LINE HOSE, 7/32IN	
21	88521008	2	LOCK NUT, 1/2-13	
22	88561111	2	FLAT WASHER, 1/2	
23	91143032	2	REBOUND WASHER	
24	91143031	2	SHOCK MOUNT	
25	88201075	2	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
26	88662018	1	CONNECTOR (includes o-ring) (not shown)	
26	88591205	1	O-RING	
27	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE (not shown)	
28	83651133	1	REDUCER W/ADAPTER (not shown)	
29	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE (not shown)	
30	88662008	1	CONNECTOR (includes O-ring) (not shown)	
30	88591207	1	O-RING	

SECTION 4 - ENGINE AND ATTACHING PARTS

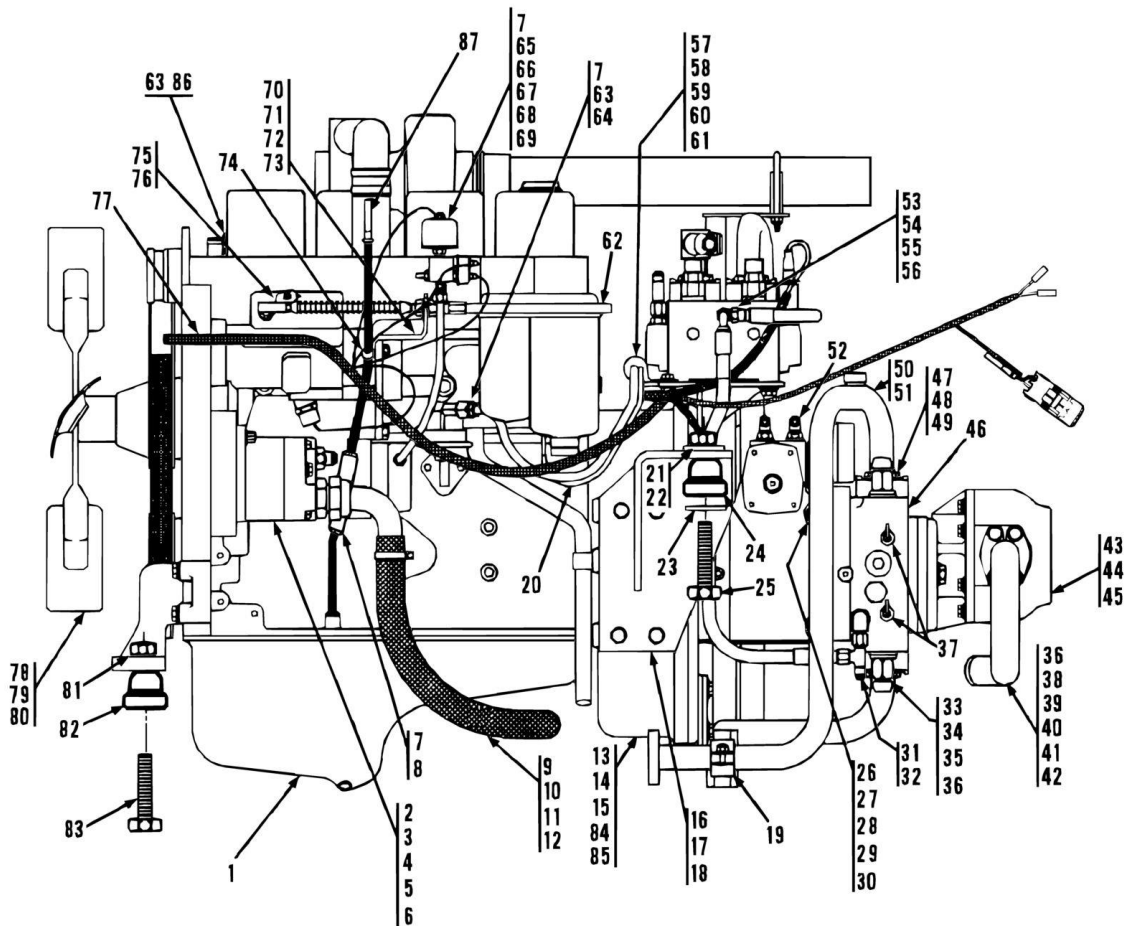
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
32	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
33	88662011	1	STRAIGHT THREAD CONNECTOR (includes o-ring)	
33	88591210	1	O-RING	
34	91143087	1	INTAKE TUBE	
35	91143143	1	HOSE ASSY	
36	90028695	3	BAND CLAMP	
37	91053020	2	TEST COUPLING	
38	88551012	8	LOCKWASHER, 7/16	
39	88591027	1	O-RING	
40	91143121	1	SUCTION TUBE	
41	84711334	2	FLANGE CLAMP	
42	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
43		Ref	MAIN PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
45	90027472	2	HARDENED WASHER, 5/8	
46		Ref	HYDROSTATIC TRANS PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47	84712738	2	SPLIT FLANGE CLAMP	
48	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
49	88551012	8	LOCKWASHER, 7/16	
50	91163122	1	TUBE ASSY	
51	91083106	1	O-RING	
52	90027906	2	ELBOW, 90	
53	88662239	1	SWIVEL NUT RUNTEE, 3/8 TUBE	
54	88591206	1	O-RING	
55	77133447	1	HOSE ASSY	
56	91083306	1	STRAIGHT THREAD CONNECTOR	
57	88201020	2	HEX HD CAPSCREW, 5/16-18X1	
58	24861170	2	SUPPORT CLAMP	
59	90028660	2	SUPPORT CLAMP	
60	88501005	2	HEX NUT, 5/16-18	
61	88551010	2	LOCKWASHER, 5/16	
62	91083404	1	ACCELERATOR CABLE	
63	Bulk	59 in	FUEL LINE HOSE, 5/16	
64	90030271	1	HOSE NIPPLE	
65	24741047	1	PRESSURE SWITCH	
66	91033246	1	OIL PRESSURE SENDER	
67	91081388	1	TAPPED BAR	
68	86883075	2	TUBE FITTING	
69	Bulk	18 in	NYLON TUBE, 3/8	
70	91141317	1	THROTTLE CABLE BRACKET	
71	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
72	88551009	2	LOCKWASHER, 1/4	
73	88551616	2	HEX NUT, 1/4-20	
74	85841094	1	SUPPORT CLAMP	
75	90027908	1	BALL JOINT	
76	88501613	1	HEX NUT, #10-32	
77	91143192	1	WIRING HARNESS	
78	91143043	1	FAN ASSY	
79	83191039	4	HEX HD CAPSCREW, M8X1.25X80	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
80	88561108	4	FLAT WASHER, 5/16	
81	83783028	1	HEX NUT	
82	91143030	1	SHOCK MOUNT	
83	91143131	1	HEX HD CAPSCREW, M12X1.75X90	
84	88201112	2	HEX HD CAPSCREW, 3/8-16X5/8, GR5	
85	90027473	2	HARDENED WASHER, 5/8	
86	86883106	2	HOSE CLAMP	
87	91124125	1	DIPSTICK	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. (91145117 & 91155006) ENGINE LEFT SIDE VIEW 534C-10 (91155006 CUMMINS ENGINE) (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. (91145117 & 91155006) ENGINE LEFT SIDE VIEW 534C-10 (91155006 CUMMINS ENGINE) (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91165020		ENGINE FILTER KIT (includes the following items)	
	91154001		AIR FILTER	
	91084001		OIL FILTER	
	77383202		FUEL FILTER (primary)	
	77383203		FUEL FILTER (secondary)	
	91083218		FUEL FILTER (I/L)	
	91145117	Ref	ENGINE ASSY (534C-9) (includes all items except 21 thru 25, 81, 82 & 83 See ENGINE LEFT SIDE VIEW, and all items See ENGINE RIGHT SIDE VIEW)	
	91155006	Ref	ENGINE ASSY (534C-10) (includes all items except 21 thru 82, 81, 82 & 83 See ENGINE LEFT SIDE VIEW, and all items See ENGINE RIGHT SIDE VIEW)	
1	91143174	1	CUMMINS ENGINE, 4BT3.9 (C-9)	
1	91153001	1	CUMMINS ENGINE, 4BTA3.9 (C-10)	
2	88662019	1	CONNECTOR (includes o-ring)	
2	88591206	1	O-RING	
3		Ref	GEAR PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4	83191040	2	SOCKET HD CAPSCREW, M10X1.5X30	
5	83191013	2	LOCKWASHER, M10	
6	86671112	1	GASKET	
7	90027187	5	TY-RAP	
8	Bulk	4 in	SPLIT FLEX LOOM, 1/2 I.D.	
9	91143176	1	STRAIGHT THREAD CONNECTOR	
10	91143184	1	HOSE ASSY	
11	80633030	1	HOSE CLAMP	
12	91143183	1	TUBE ASSY	
13	91143013	1	PUMP MOUNT AND FLYWHEEL COUPLING (includes the following)	
13	91344048	1	MOUNTING PLATE	
13	91344049	1	COUPLING (bolts included)	
14	88211068	8	SOCKET HD CAPSCREW, 3/8-16X5/8	
15	88551011	8	LOCKWASHER, 3/8	
16	91146021	1	LEFT ENGINE MOUNT	
17	83191032	4	HEX HD CAPSCREW, M12X1.75X35	
18	83191010	8	LOCKWASHER, M12	
19	90205792	1	CUSHION CLAMP	
20	Bulk	56 in	FUEL LINE HOSE, 7/32IN	
21	88521008	2	LOCK NUT, 1/2-13	
22	88561111	2	FLAT WASHER, 1/2	
23	91143032	2	REBOUND WASHER	
24	91143031	2	SHOCK MOUNT	
25	88201075	2	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
26	88662018	1	CONNECTOR (includes o-ring) (not shown)	
26	88591205	1	O-RING	
27	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE (not shown)	
28	83651133	1	REDUCER W/ADAPTER (not shown)	
29	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE (not shown)	
30	88662008	1	CONNECTOR (includes o-ring) (not shown)	
30	88591207	1	O-RING	

SECTION 4 - ENGINE AND ATTACHING PARTS

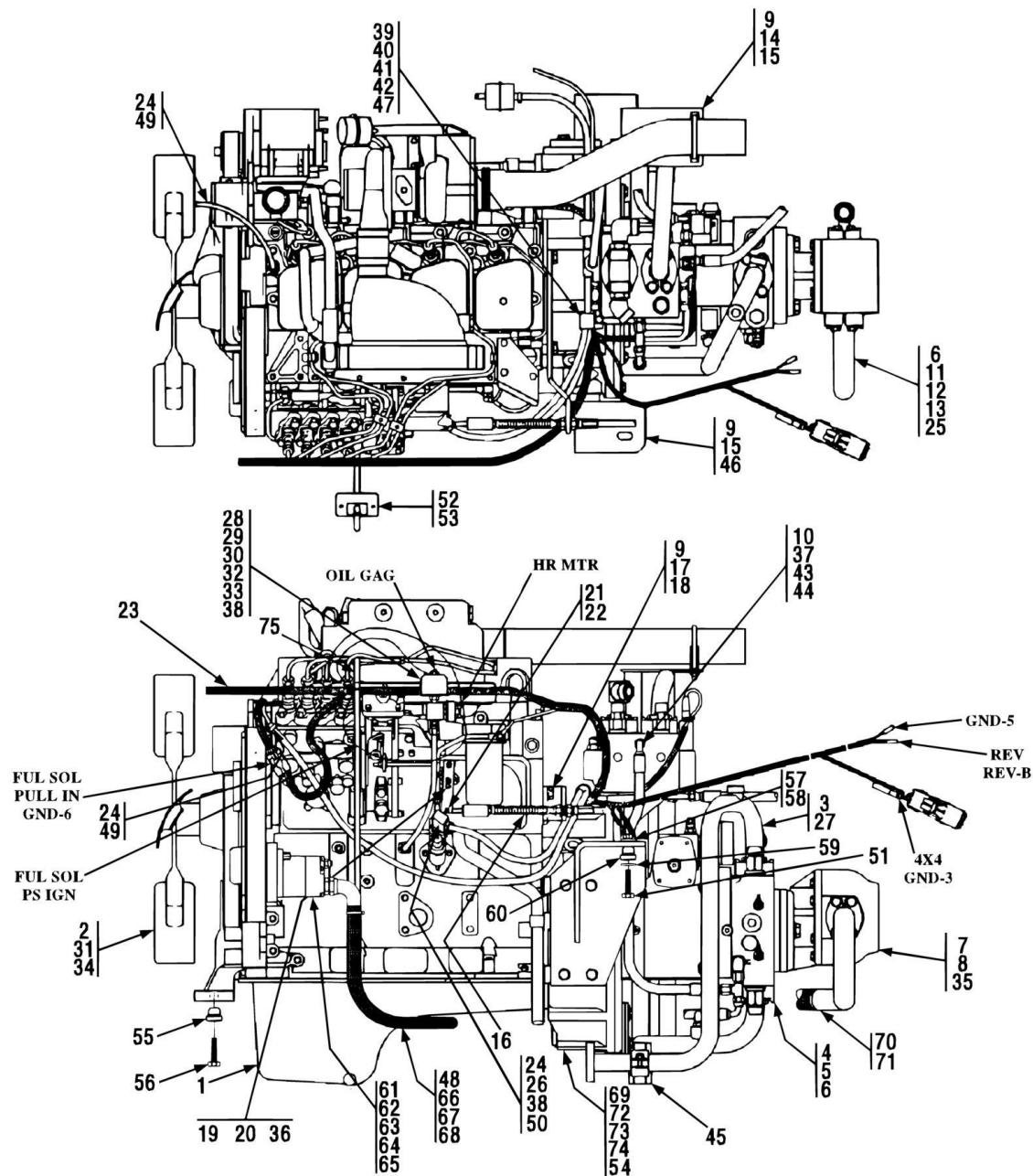
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	91083222	1	STRAIGHT THREAD REDUCING CONNECTOR	
32	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
33	88662011	1	STRAIGHT THREAD CONNECTOR (includes o-ring)	
33	88591210	1	O-RING	
34	91143087	1	INTAKE TUBE	
35	91143143	1	HOSE ASSY	
36	90028695	3	BAND CLAMP	
37	91053020	2	TEST COUPLING	
38	88551012	8	LOCKWASHER, 7/16	
39	88591027	1	O-RING	
40	91143121	1	SUCTION TUBE	
41	84711334	2	FLANGE CLAMP	
42	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
43		Ref	MAIN PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44	88201095	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
45	90027472	2	HARDENED WASHER, 5/8	
46		Ref	HYDROSTATIC TRANS PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47	84712738	2	SPLIT FLANGE CLAMP	
48	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
49	88551012	8	LOCKWASHER, 7/16	
50	91163122	1	TUBE ASSY	
51	91083106	1	O-RING	
52	90027906	2	ELBOW, 90	
53	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
54	88591206	1	O-RING	
55	77133447	1	HOSE ASSY	
56	91083306	1	STRAIGHT THREAD CONNECTOR	
57	88201020	2	HEX HD CAPSCREW, 5/16-18X1	
58	24861170	2	SUPPORT CLAMP	
59	90028660	2	SUPPORT CLAMP	
60	88501005	2	HEX NUT, 5/16-18	
61	88551010	2	LOCKWASHER, 5/16	
62	91083404	1	ACCELERATOR CABLE	
63	Bulk	59 in	FUEL LINE HOSE, 5/16	
64	90030271	1	HOSE NIPPLE	
65	24741047	1	PRESSURE SWITCH	
66	91033246	1	OIL PRESSURE SENDER	
67	91081388	1	TAPPED BAR	
68	86883075	2	TUBE FITTING	
69	Bulk	18 in	NYLON TUBE, 3/8	
70	91141317	1	THROTTLE CABLE BRACKET	
71	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
72	88551009	2	LOCKWASHER, 1/4	
73	88551616	2	HEX NUT, 1/4-20	
74	85841094	1	SUPPORT CLAMP	
75	90027908	1	BALL JOINT	
76	88501613	1	HEX NUT, #10-32	
77	91143192	1	WIRING HARNESS	
78	91143043	1	FAN ASSY	
79	83191039	4	HEX HD CAPSCREW, M8X1.25X80	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
80	88561108	4	FLAT WASHER, 5/16	
81	83783028	1	HEX NUT	
82	91143030	1	SHOCK MOUNT	
83	91143131	1	HEX HD CAPSCREW, M12X1.75X90	
84	88201112	2	HEX HD CAPSCREW, 3/8-16X5/8, GR5	
85	90027473	2	HARDENED WASHER, 5/8	
86	86883106	2	HOSE CLAMP	
87	91124125	1	DIPSTICK	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. (91145132 & 91155040) ENGINE LEFT SIDE VIEW 534C-9 (91145132 C-9 CUMMINS ENGINE ASSY) 534C-10 (91155040 C-10 CUMMINS ENGINE ASSY) (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. (91145132 & 91155040) ENGINE LEFT SIDE VIEW 534C-9 (91145132 C-9 CUMMINS ENGINE ASSY) 534C-10 (91155040 C-10 CUMMINS ENGINE ASSY) (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

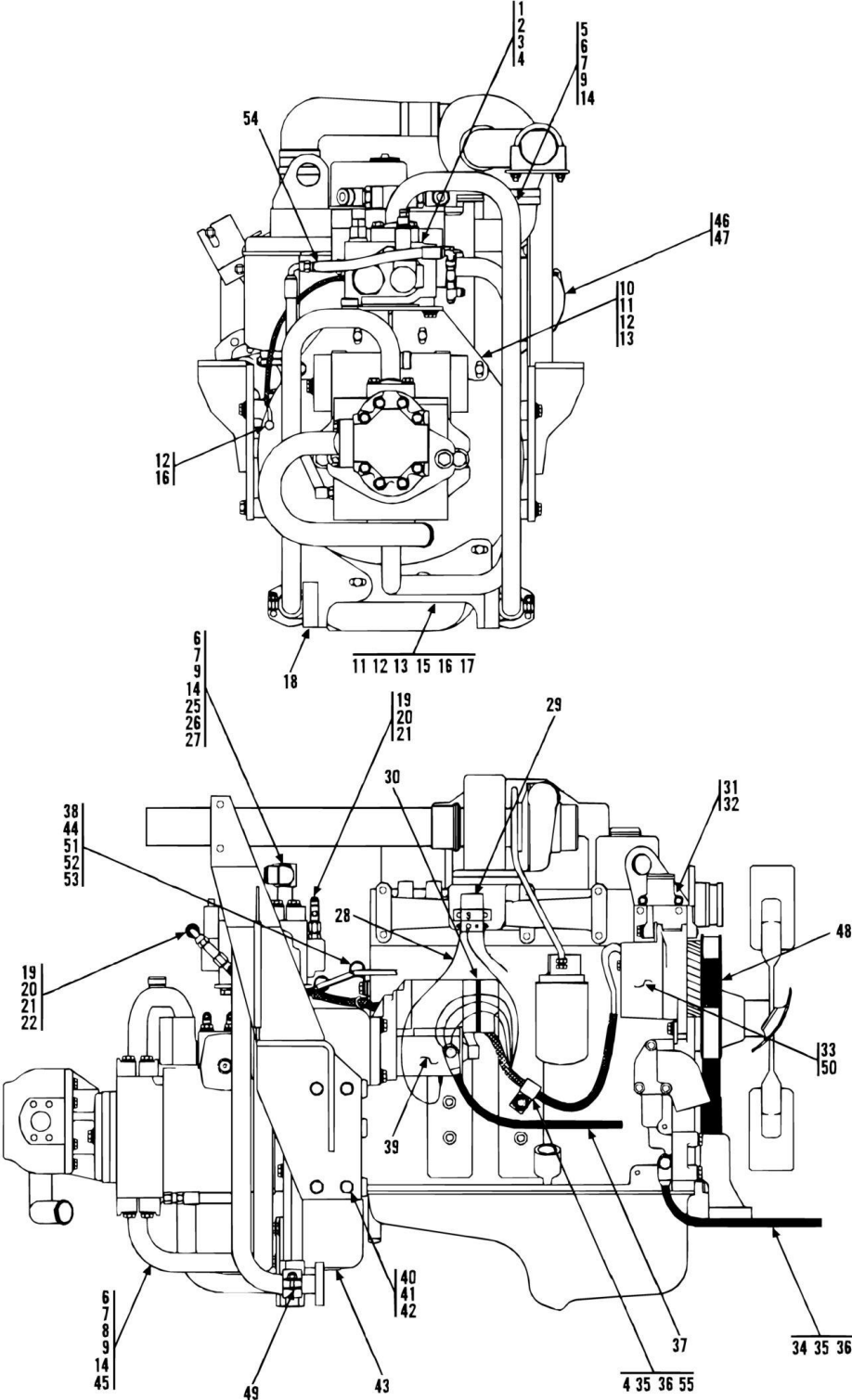
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365008		ENGINE FILTER KIT (includes the following items)	
	91154001		AIR FILTER	
	91083218		FUEL FILTER	
	77383303		FUEL FILTER	
	91084001		LUBE FILTER	
	91145132	Ref	ENGINE ASSY (534C-9) (includes all items 1 thru 49 & 61 thru 68 See ENGINE LEFT SIDE VIEW, and all items See ENGINE RIGHT SIDE VIEW)	
	91155040	Ref	ENGINE ASSY (534C-10) (includes all items 1 thru 49 & 61 thru 68 See ENGINE LEFT SIDE VIEW, and all items See ENGINE RIGHT SIDE VIEW)	
1		Ref	B3. 9C-110 EPA ENGINE (C-9)	
1		Ref	B3. 9C-116 EPA ENGINE (C-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	88662239	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	R.H. ENGINE MOUNT	
15	83191032	8	HEX HD CAPSCREW, M12X1.75X35 (lubricate and torque to 58-68 ft lbs)	
16	91163260	1	ACCELERATOR CABLE	
17	91161313	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	91143302	1	WIRING HARNESS	
24	Bulk	119 in	FUEL 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	Bulk	28 in	NYLON TUBE	
34	88561108	4	WASHER, 5/16	
35	90027472	2	HARDENED WASHER, 5/8	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	91161310	1	THROTTLE BAR	
37	88591206	1	O-RING	
38	90027187	3	TY-RAP	
39	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
40	24861170	2	SUPPORT CLAMP	
41	85941017	2	SUPPORT CLAMP	
42	88501005	2	HEX NUT, 5/16-18	
43	77133447	1	HOSE ASSY	
44	91083306	1	CONNECTOR (includes item 37)	
45	90205792	1	CUSHION CLAMP	
46	91146021	1	L.H. ENGINE MOUNT	
47	88551010	2	LOCKWASHER, 5/16	
48	91143183	1	TUBE ASSY	
49	86883106	3	HOSE CLAMP	
50	86983649	1	ELBOW, 90, 1/4 PIPE	
51	88201075	1	HEX HD CAPSCREW, 1/2-13X3-1/2, GR5	
52	80263012	2	WHIZ LOC SCREW, 1/4-20X1/2	
53	91146101	1	DIPSTICK WELDMENT	
54	90027473	2	HARDENED WASHER, 3/4	
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	91143031	1	SHOCK MOUNT	
61		Ref	HYD PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
62	88662019	1	STR THD CONNECTOR	
63	83191040	2	SOC HD CAPSCREW, M10X1.5X30	
64	83191013	2	LOCKWASHER, M10	
65	86671112	1	GASKET	
66	91143176	1	STR THD CONNECTOR	
67	91143184	1	HOSE	
68	80633030	1	HOSE CLAMP	
69	91143013	1	PUMP MOUNT FLYWHEEL COUPLING	
70	90028695	3	BAND CLAMP	
71	91143185	1	HOSE ASSY	
72	88211068	8	SOC HD CAPSCREW, 3/8-16X5/8	
73	88551011	8	LOCKWASHER, 3/8	
74	88201112	2	HEX HD CAPSCREW, 3/8-16X5/8, GR5	
75	91124125	1	DIPSTICK	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. (91145126 & 91155002) ENGINE RIGHT SIDE VIEW (SN 0344001 to Present, SN 0266001 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. (91145126 & 91155002) ENGINE RIGHT SIDE VIEW (SN 0344001 to Present, SN 0266001 to Present)

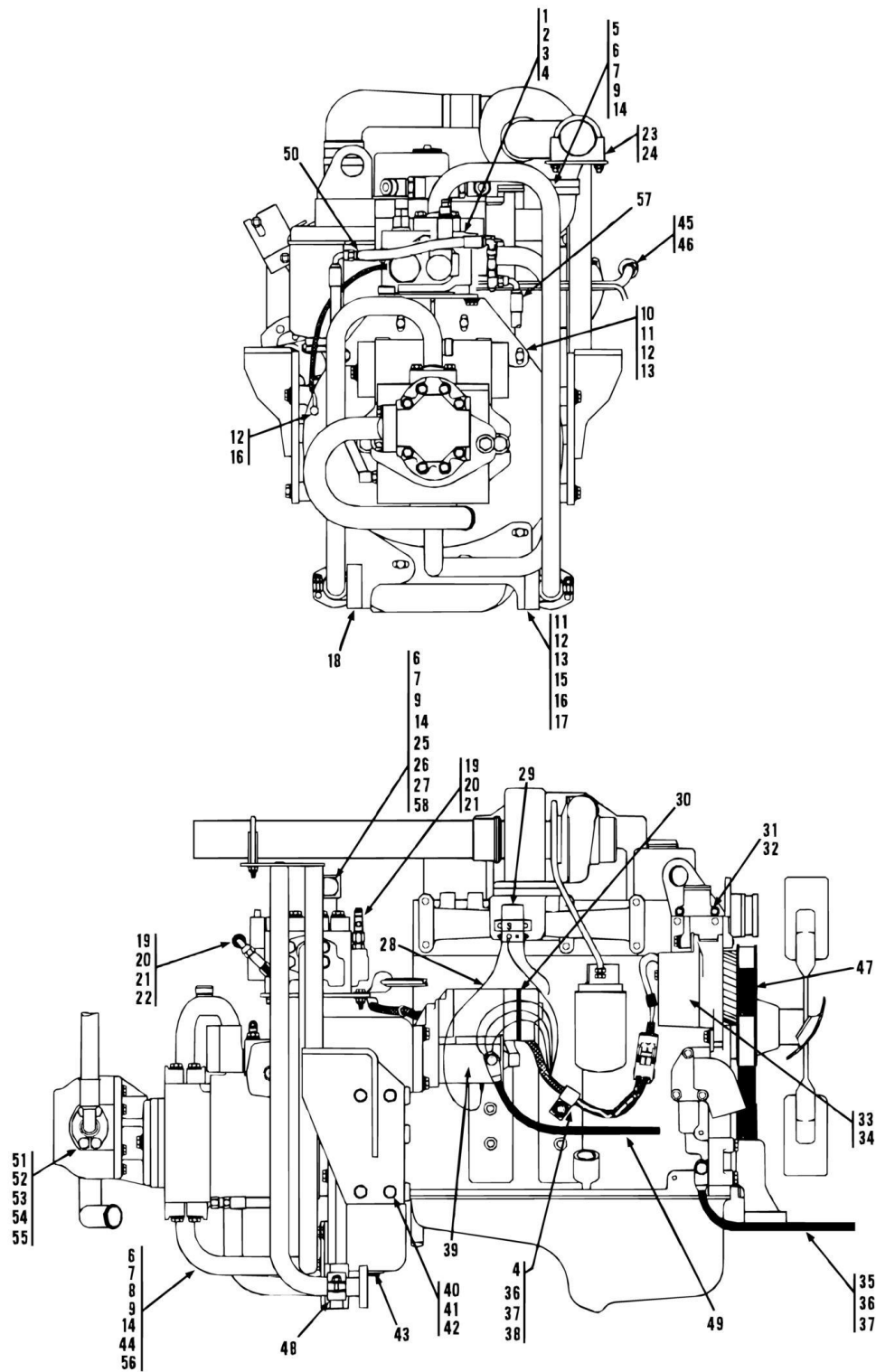
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145126	Ref	ENGINE ASSY (534C-9) (includes all items See ENGINE RIGHT SIDE VIEW, and all items except 75 thru 82 See ENGINE LEFT SIDE VIEW)	
	91155002	Ref	ENGINE ASSY (534C-10) (includes all items See ENGINE RIGHT SIDE VIEW, and all items except 75 thru 82 See ENGINE LEFT SIDE VIEW)	
1		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	88201066	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
3	88551013	2	LOCKWASHER, 1/2	
4	88561111	3	FLAT WASHER, 1/2	
5	91083418	1	TUBE ASSY	
6	91083106	4	O-RING	
7	84712738	8	SPLIT FLANGE CLAMP	
8	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
9	88551012	16	LOCKWASHER, 7/16	
10	91146058	1	FLOW DIVIDER BRACKET	
11	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
12	83191013	12	LOCKWASHER, M10	
13	88561109	6	FLAT WASHER, 3/8	
14	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4	
15	91086130	1	TUBE SUPPORT	
16	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
17	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
18	91086131	1	TUBE SUPPORT	
19	88662239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
20	88591204	2	O-RING	
21	88662005	2	CONNECTOR (includes item 20)	
22	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
23	83683175	1	MUFFLER CLAMP	
24	91146037	1	EXHAUST TUBE	
25	91083266	1	TUBE ASSY	
26	88662421	2	MALE ELBOW, 45, (includes item 27)	
27	88591020	2	O-RING	
28	90205205	1	JUMPER WIRE	
29	90402427	1	STARTER SOLENOID	
30	90027187	1	TY-RAP	
31	90206124	1	WATER TEMP SENDER	
32	88711384	1	REDUCER BUSHING	
33	91083503	1	ALTERNATOR (includes item 50)	
34	91143124	1	NEGATIVE BATTERY CABLE	
35	83191004	2	HEX HD CAPSCREW, M12X1.75X30	
36	83191010	2	LOCKWASHER, M12	
37	91143099	1	POSITIVE BATTERY CABLE	
38	24861170	2	SUPPORT CLAMP	
39	91083456	1	STARTER	
40	91146056	1	RIGHT ENGINE MOUNT	
41	83191032	4	HEX HD CAPSCREW, M12X1.75X35	
42	83191010	4	LOCKWASHER, M12	
43	88711284	1	PIPE PLUG, 3/4	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	90028660	2	SUPPORT CLAMP	
45	91143054	1	TUBE ASSY	
46	83483497	1	HOSE CLAMP	
47	91083218	1	FUEL FILTER (I/L)	
48	91084162	1	FAN BELT	
49	90205792	1	CUSHION CLAMP	
50	91083504	1	REGULATOR	
51	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
52	88501005	2	HEX NUT, 5/16-18	
53	88551010	2	LOCKWASHER, 5/16	
54	84718349	1	HOSE ASSY	
55	91143122	1	SUPPORT CLAMP, 5/8IN	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-7. (91145117 & 91155006) ENGINE RIGHT SIDE VIEW (534C-9 SN 0344436 to Present;
534C-10 SN 0266063 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-7. (91145117 & 91155006) ENGINE RIGHT SIDE VIEW (534C-9 SN 0344436 to Present;
534C-10 SN 0266063 to Present)**

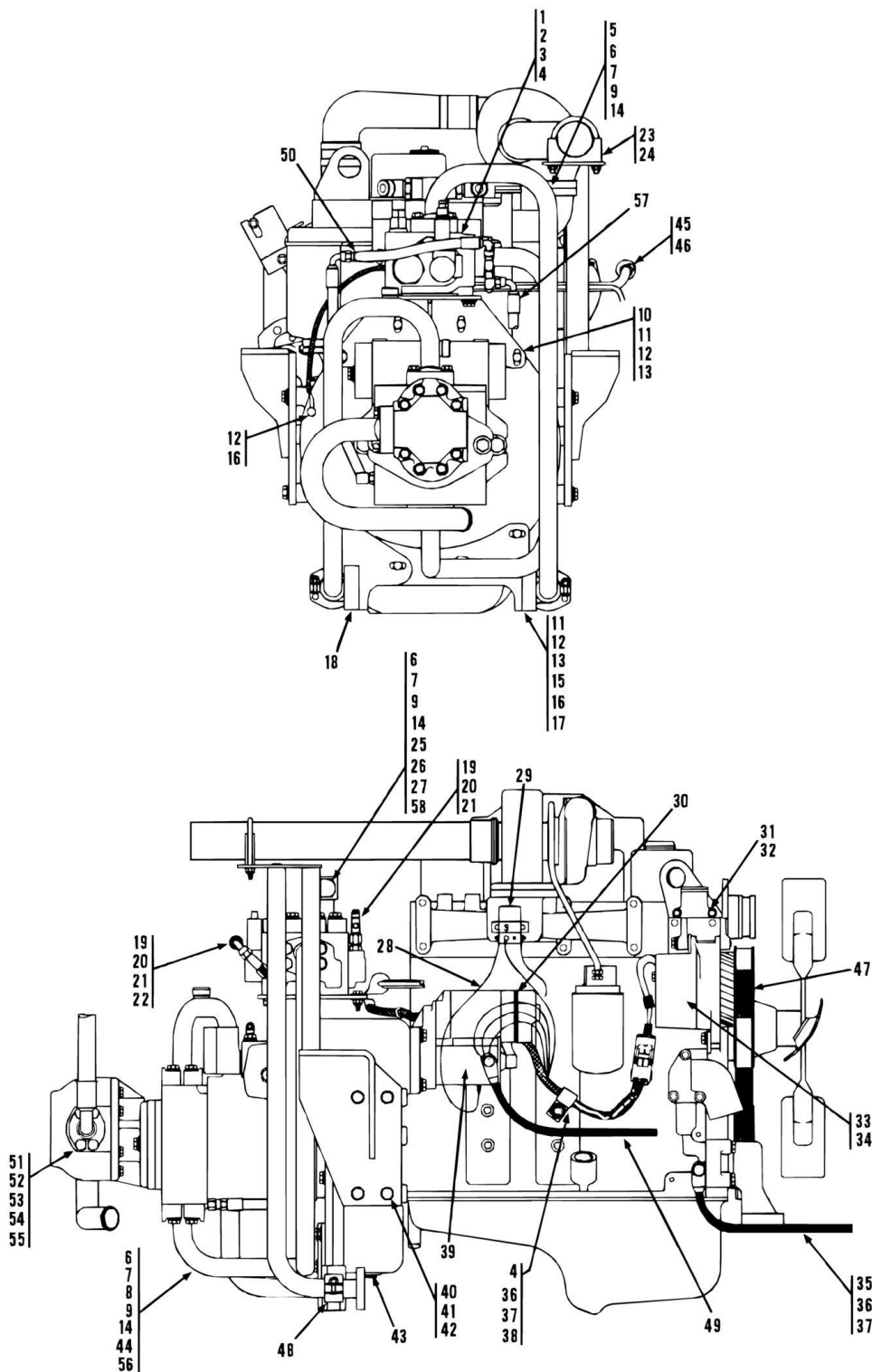
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145117	Ref	ENGINE ASSY (534C-9) (includes all items See ENGINE RIGHT SIDE VIEW, and all items except 21 thru 25, 81, 82 & 83 See ENGINE LEFT SIDE VIEW)	
	91155006	Ref	ENGINE ASSY (534C-10) (includes all items See ENGINE RIGHT SIDE VIEW, and all items except 21 thru 25, 81, 82 & 83 See ENGINE LEFT SIDE VIEW)	
1		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	88201066	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
3	88551013	2	LOCKWASHER, 1/2	
4	88561111	3	FLAT WASHER, 1/2	
5	91083418	1	TUBE ASSY	
6	91083106	4	O-RING	
7	84712738	8	SPLIT FLANGE CLAMP	
8	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
9	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4	
10	91146058	1	FLOW DIVIDER BRACKET	
11	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
12	83191013	12	LOCKWASHER, M10	
13	88561109	7	FLAT WASHER, 3/8	
14	88551012	16	LOCKWASHER, 7/16	
15	91086130	1	TUBE SUPPORT	
16	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
17	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
18	91086131	1	TUBE SUPPORT	
19	88591204	2	O-RING	
20	88662005	2	CONNECTOR (includes item 19)	
21	88662239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
22	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
23	91146037	1	EXHAUST TUBE	
24	83683175	1	MUFFLER CLAMP	
25	91083266	1	TUBE ASSY	
26	88662421	1	ELBOW, 45, (includes item 27)	
27	88591207	2	O-RING	
28	90205205	1	JUMPER WIRE	
29	90402427	1	STARTER SOLENOID	
30	90027187	1	TIE WRAP	
31	90206124	1	WATER TEMP SENDER	
32	88711384	1	REDUCER BUSHING	
33	91083503	1	ALTERNATOR (includes item 34)	
34	91083504	1	REGULATOR	
35	91143124	1	NEGATIVE BATTERY CABLE	
36	83191004	2	HEX HD CAPSCREW, M12, 1.75X30	
37	83191010	2	LOCKWASHER, M12	
38	91143122	1	SUPPORT CLAMP	
39	91083456	1	STARTER	
40	91146056	1	R.H. ENGINE MOUNT	
41	83191032	4	HEX HD CAPSCREW, M12X1.75X35	
42	83191010	4	LOCKWASHER, M12	
43	88711284	1	PIPE PLUG, 3/4	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	91163201	1	TUBE ASSY	
45	91083218	1	STRAINER	
46	83483497	1	HOSE CLAMP	
47	91084162	1	FAN BELT	
48	90205792	1	CUSHION CLAMP	
49	91143099	1	POSITIVE BATTERY CABLE	
50	84718349	1	HOSE ASSY	
51	84718369	1	HOSE ASSY	
52	84711333	2	SPLIT FLANGE CLAMP	
53	88591024	1	O-RING	
54	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
55	88551011	4	LOCKWASHER, 3/8	
56	90027906	1	ELBOW, 90	
57	84718425	1	HOSE ASSY	
58	88662332	1	ELBOW, 90, (includes item 27)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-8. (91145132 & 91155040) ENGINE RIGHT SIDE VIEW (534C-9 SN 0444003 to Present;
534C-10 SN 0266107 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-8. (91145132 & 91155040) ENGINE RIGHT SIDE VIEW (534C-9 SN 0444003 to Present;
534C-10 SN 0266107 to Present)**

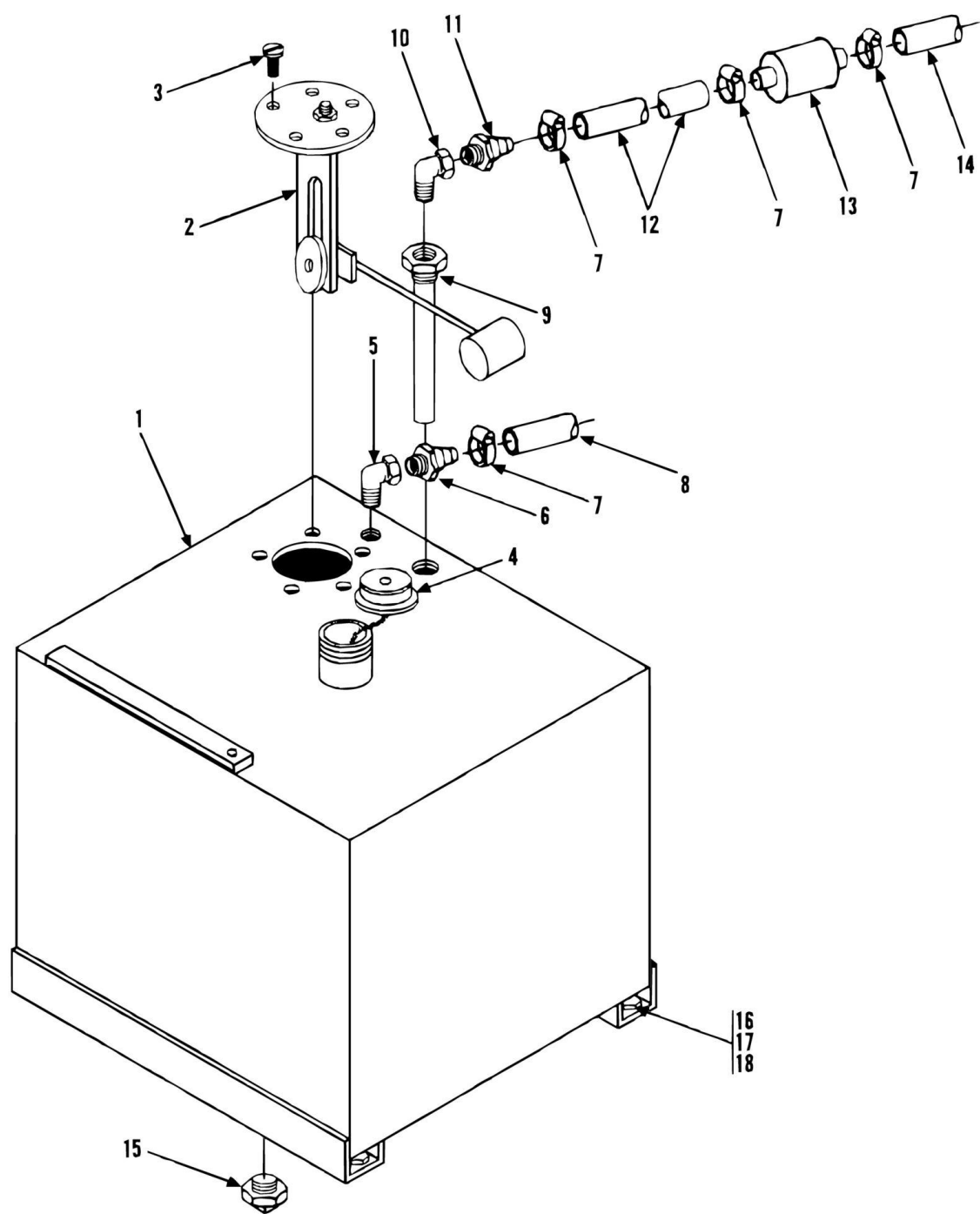
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91365008		ENGINE FILTER KIT (includes the following items)	
	91154001		AIR FILTER	
	91083218		FUEL FILTER	
	77383303		FUEL FILTER	
	91084001		LUBE FILTER	
	91145132	Ref	ENGINE ASSY (534C-9) (includes all items See ENGINE RIGHT SIDE VIEW, and all items except 50 thru 60 & 69 thru 75 See ENGINE LEFT SIDE VIEW)	
	91155040	Ref	ENGINE ASSY (534C-10) (includes all items See ENGINE RIGHT SIDE VIEW, and all items except 50 thru 60 & 69 thru 75 See ENGINE LEFT SIDE VIEW)	
1		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	88201066	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
3	88551013	2	LOCKWASHER, 1/2	
4	88561111	3	FLAT WASHER, 1/2	
5	91083418	1	TUBE ASSY	
6	91083106	4	O-RING	
7	84712738	8	SPLIT FLANGE CLAMP	
8	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
9	83201155	12	HEX HD CAPSCREW, 7/16-14X1-3/4	
10	91146058	1	FLOW DIVIDER BRACKET	
11	83191006	5	HEX HD CAPSCREW, M10X1.5X40	
12	83191013	12	LOCKWASHER, M10	
13	88561109	7	FLAT WASHER, 3/8	
14	88551012	16	LOCKWASHER, 7/16	
15	91086130	1	TUBE SUPPORT	
16	83191021	5	HEX HD CAPSCREW, M10X1.5X30	
17	83191005	2	HEX HD CAPSCREW, M10X1.5X45	
18	91086131	1	TUBE SUPPORT	
19	88591204	2	O-RING	
20	88662005	2	CONNECTOR (includes item 19)	
21	88662239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	
22	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
23	91146037	1	EXHAUST TUBE	
24	83683175	1	MUFFLER CLAMP	
25	91083266	1	TUBE ASSY	
26	88662421	1	ELBOW, 45, (includes item 27)	
27	88591207	2	O-RING	
28	91141506	1	JUMPER WIRE	
29	90402427	1	STARTER SOLENOID	
30	90027187	1	TIE WRAP	
31	91143314	1	WATER TEMP SENDER	
32	88711385	1	REDUCER BUSHING	
33	91083503	1	ALTERNATOR (includes item 34)	
34	91083504	1	REGULATOR	
35	91143124	1	NEGATIVE BATTERY CABLE	
36	83191004	2	HEX HD CAPSCREW, M12, 1.75X30	
37	83191010	2	LOCKWASHER, M12	
38	91143122	1	SUPPORT CLAMP	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	91083456	1	STARTER	
40	91146056	1	R.H. ENGINE MOUNT	
41	83191032	4	HEX HD CAPSCREW, M12X1.75X35	
42	83191010	4	LOCKWASHER, M12	
43	88711284	1	PIPE PLUG, 3/4	
44	91163201	1	TUBE ASSY	
45	91083218	1	FUEL FILTER (I/L)	
46	83483497	1	HOSE CLAMP	
47	91084162	1	FAN BELT	
48	90205792	1	CUSHION CLAMP	
49	91143099	1	POSITIVE BATTERY CABLE	
50	84718349	1	HOSE ASSY	
51	84718369	1	HOSE ASSY	
52	84711333	2	SPLIT FLANGE CLAMP	
53	88591024	1	O-RING	
54	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
55	88551011	4	LOCKWASHER, 3/8	
56	90027906	1	ELBOW, 90	
57	84718425	1	HOSE ASSY	
58	88662332	1	ELBOW, 90, (includes item 27)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-9. FUEL TANK AND LINES (SN 0344001 to Present, SN 0266001 to Present)



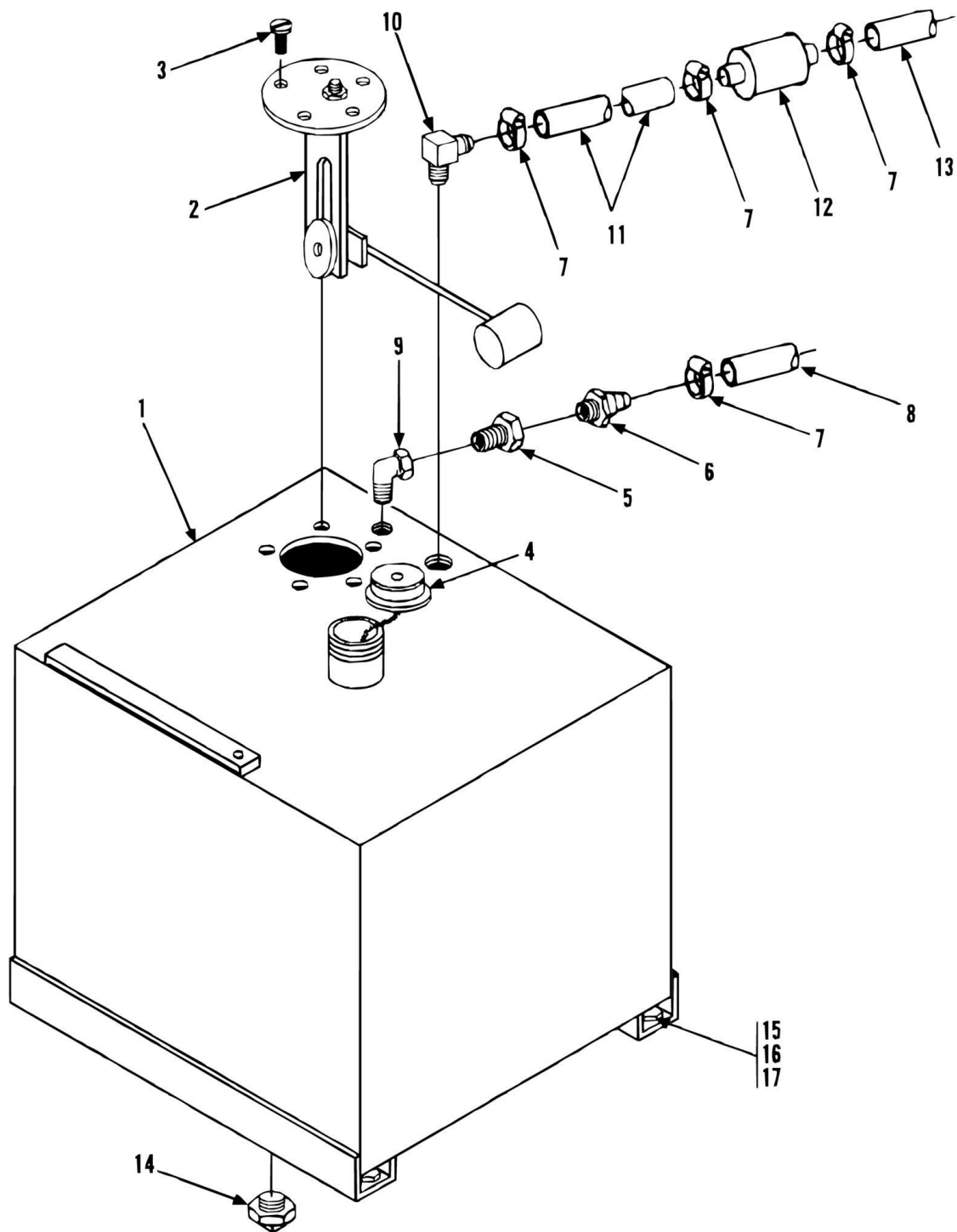
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-9. FUEL TANK AND LINES (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085016	1	FUEL TANK ASSY (includes items 1 thru 6, 9, 10, 11 & 15)	
1	91083323	1	FUEL TANK (includes items 4 & 15)	
2	90400654	1	FUEL SENDER (includes item 3)	
3		Ref	SCREW	
4	86541381	1	FUEL TANK CAP (w/chain)	
5	88712011	1	STREET ELBOW, 90, 1/8	
6	88741805	1	HOSE NIPPLE	
7	83483497	4	HOSE CLAMP	
8	Bulk	52 in	FUEL LINE HOSE, 7/32 I.D.	
9	77386065	1	PICK-UP TUBE	
10	88712013	1	STREET ELBOW, 90, 3/8	
11	90027331	1	HOSE NIPPLE	
12	Bulk	8 in	FUEL LINE HOSE, 3/8 I.D.	
13	91083218	1	FUEL FILTER (I/L)	
14	Bulk	41 in	FUEL LINE HOSE, 5/16 I.D.	
15	88711283	1	HEX SOCKET PIPE PLUG, 1/2	
16	88201095	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
17	88561008	4	WASHER, 5/8	
18	88551015	4	LOCKWASHER, 5/8	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. FUEL TANK AND LINES (SN 0344222 to Present, SN 0266027 to Present)



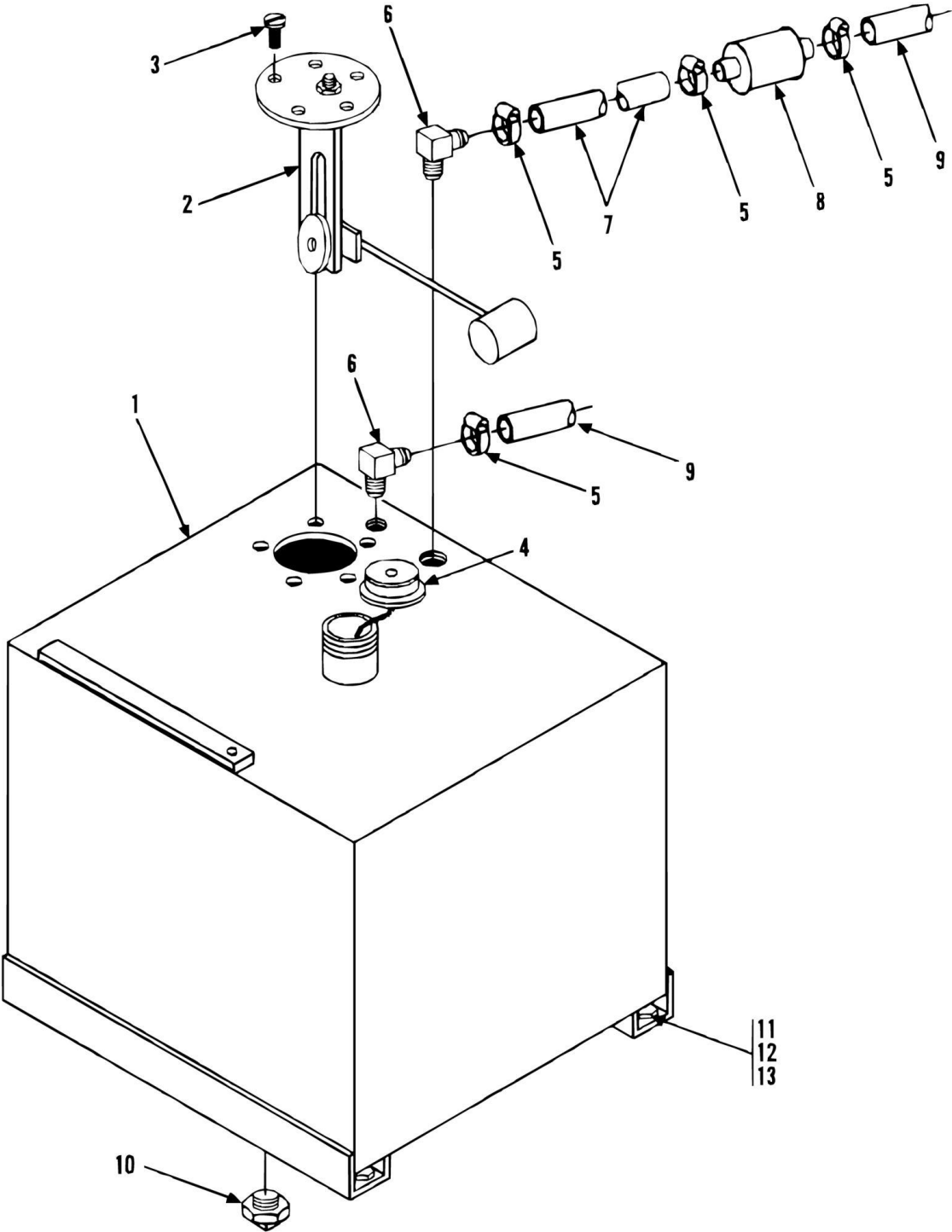
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. FUEL TANK AND LINES (SN 0344222 to Present, SN 0266027 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085016	1	FUEL TANK ASSY, (includes items 1 thru 6, 9, 10 & 14)	
1	91083501	1	FUEL TANK, (includes items 4 & 14)	
2	90400654	1	FUEL SENDER, (includes item 3)	
3		Ref	SCREW	
4	86541381	1	FUEL TANK CAP, (w/chain)	
5	88711385	1	REDUCING BUSHING, 1/2X1/8	
6	88741805	1	HOSE NIPPLE	
7	83483497	4	HOSE CLAMP	
8	Bulk	52 in	FUEL LINE HOSE, 7/32 I.D.	
9	88712011	1	STREET ELBOW, 90, 1/8	
10	84712746	1	HOSE NIPPLE, 90, 1/2X3/8	
11	Bulk	8 in	FUEL LINE HOSE, 3/8 I.D.	
12	91083218	1	FUEL FILTER, (I/L)	
13	Bulk	41 in	FUEL LINE HOSE, 5/16 I.D.	
14	88711283	1	HEX SOCKET PIPE PLUG, 1/2	
15	88201095	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
16	88561008	4	WASHER, 5/8	
17	88551015	4	LOCKWASHER, 5/8	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-11. (91155016) FUEL TANK AND LINES (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



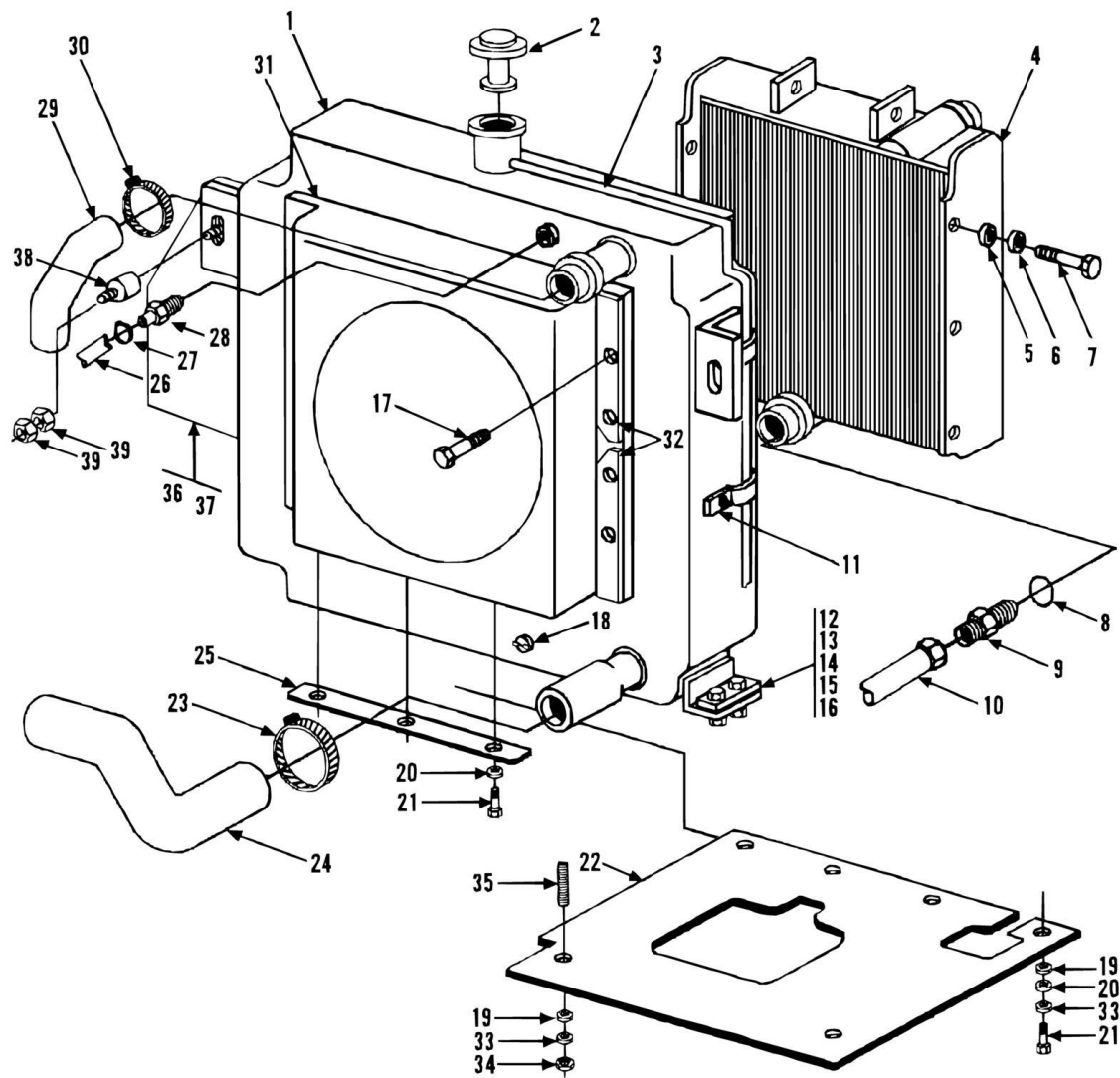
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-11. (91155016) FUEL TANK AND LINES (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91155016	1	FUEL TANK ASSY, (includes items 1 thru 4 & 6)	
1	91153031	1	FUEL TANK, (includes items 4 & 10)	
2	91143316	1	FUEL SENDER, (includes item 3)	
3	91083491	5	GASKETED SCREW, #10-32	
4	86541381	1	FUEL TANK CAP, (w/chain)	
5	83483497	4	HOSE CLAMP	
6	84712746	2	HOSE NIPPLE - 90, 1/2X3/8	
7	Bulk	8 in	FUEL LINE HOSE, 5/16 I.D.	
8	91083218	1	FUEL FILTER, (I/L)	
9	Bulk	105 in	FUEL LINE HOSE, 5/16 I.D.	
10	88711283	1	HEX SOCKET PIPE PLUG, 1/2	
11	88201095	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
12	88561008	4	WASHER, 5/8	
13	88551015	4	LOCKWASHER, 5/8	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-12. (91145013) RADIATOR ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



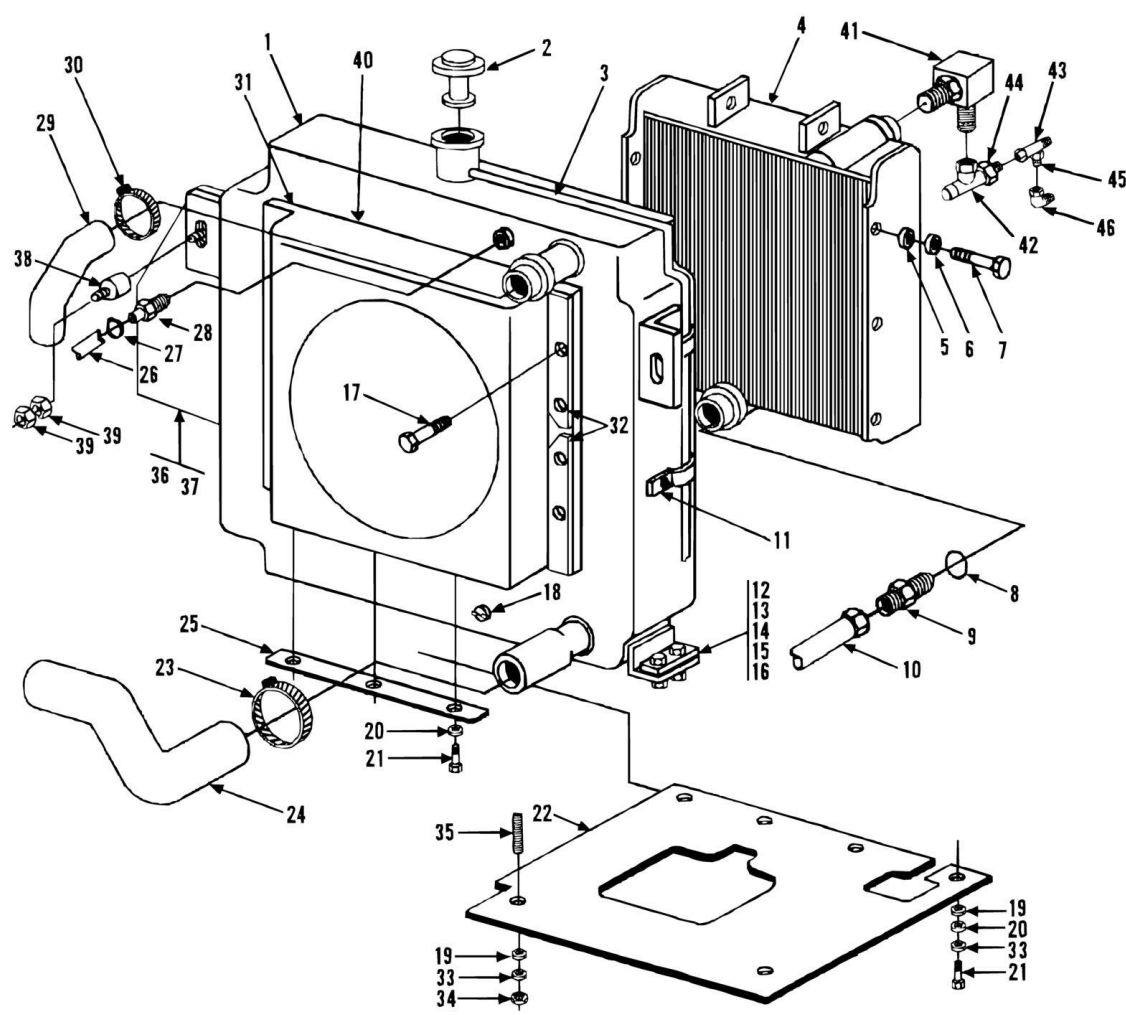
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-12. (91145013) RADIATOR ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145013	1	RADIATOR ASSY (includes items 1 thru 7, 11, 17, 18 & 31)	
1	91143028	1	RADIATOR (includes item 2)	
2	91144008	1	RADIATOR CAP	
3	Bulk	38 in	HOSE, 5/16 I.D.	
4	91143029	1	OIL COOLER	
5	88551011	6	LOCKWASHER, 3/8	
6	88561109	6	FLAT WASHER, 3/8	
7	88201034	6	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
8	88591210	1	O-RING	
9	88662028	1	CONNECTOR (includes item 8)	
10	84718480	1	HOSE ASSY	
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-LOK 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	14 in	HOSE, 5/16 I.D.	
27	83483497	2	HOSE CLAMP	
28	90030271	1	FITTING	
29	91153012	1	UPPER RADIATOR HOSE	
30	85071128	2	HOSE CLAMP	
31	91141104	1	RADIATOR SHROUD	
32	91141322	4	CLAMP BAR	
33	88561111	3	FLAT WASHER, 1/2	
34	88501005	2	HEX NUT	
35	77143004	2	WHIZ LOCK SCREW, 5/16-18X1-3/4	
36	91141103	1	L.H. RADIATOR MOUNT	
36	91141102	1	R.H. RADIATOR MOUNT	
37	85611278	2	WELD STUD	
38	91033137	2	SHOCK MOUNT	
39	77143006	4	WHIZ LOCK NUT, 5/16-18	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. (91145131) RADIATOR ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. (91145131) RADIATOR ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

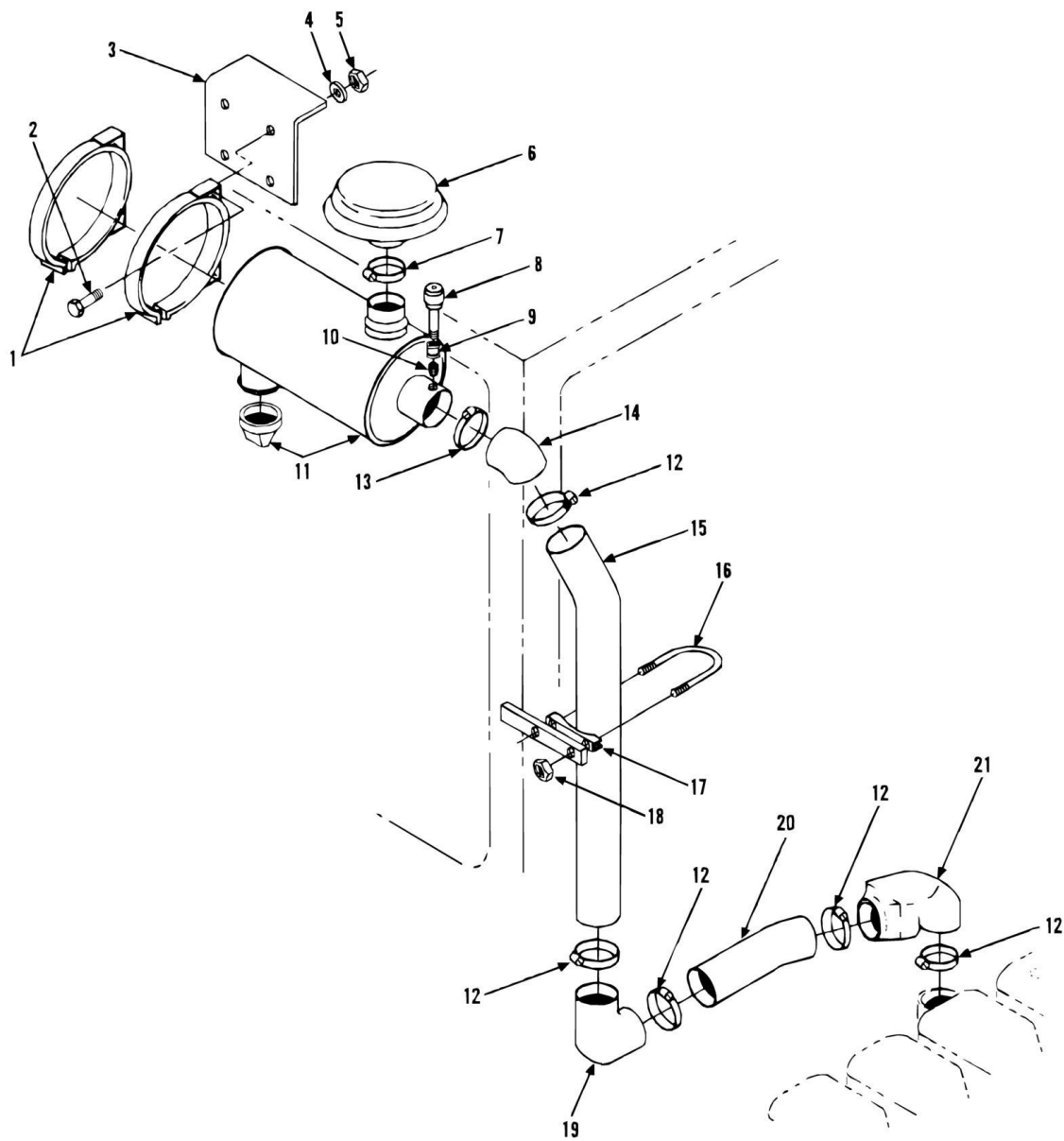
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145131	1	RADIATOR ASSY (includes items 1 thru 9, 11, 17, 18, 28, 31, 32 and items 40 thru 46)	
1	91143328	1	RADIATOR (includes item 2)	
2	91144008	1	RADIATOR CAP	
3	Bulk	38 in	HOSE, 5/16 I.D.	
4	91143029	1	OIL COOLER	
5	88551011	6	LOCKWASHER, 3/8	
6	88561109	6	FLAT WASHER, 3/8	
7	88201034	6	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
8	88591210	1	O-RING	
9	88662028	1	CONNECTOR (includes item 8)	
10	84718480	1	HOSE ASSY	
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-LOK 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	14 in	HOSE, 5/16 I.D.	
27	86883106	2	HOSE CLAMP	
28	90030271	1	FITTING	
29	91153012	1	UPPER RADIATOR HOSE	
30	85071128	2	HOSE CLAMP	
31	91141485	1	RADIATOR SHROUD	
32	91141322	4	CLAMP BAR	
33	88561111	3	FLAT WASHER, 1/2	
34	88501005	2	HEX NUT	
35	77143004	2	WHIZ LOCK SCREW, 5/16-18X1-3/4	
36	91141103	1	L.H. RADIATOR MOUNT	
36	91141102	1	R.H. RADIATOR MOUNT	
37	85611278	2	WELD STUD	
38	91033137	2	SHOCK MOUNT	
39	77143006	4	WHIZ LOCK NUT, 5/16-18	
40	Bulk	52 in	GASKA TAPE	
41	83623032	1	ELBOW	
42	86921327	1	TEE	
43	88662240	1	SWIVEL NUT RUN TEE	
44	91033230	1	REDUCER	
45	86883469	1	REDUCER	
46	88662105	1	ELBOW, 90, (swivel nut)	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-14. AIR CLEANER PIPING (SN 0344001 through 0444002)



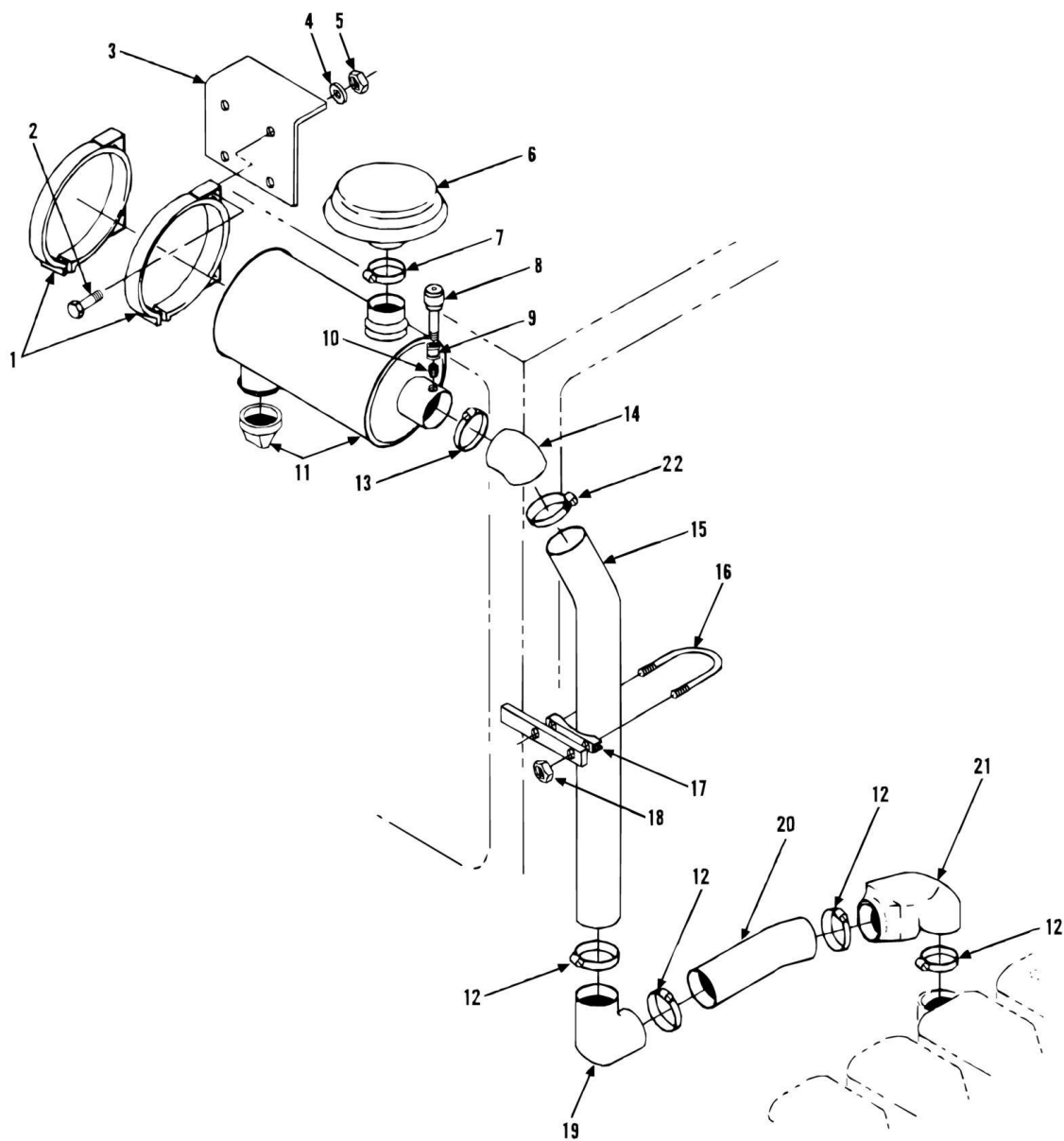
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-14. AIR CLEANER PIPING (SN 0344001 through 0444002)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	77103138	2	MOUNTING BAND	
2	88201018	4	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
3	91151002	1	BRACKET	
4	88561108	4	FLAT WASHER, 5/16	
5	88521305	4	HEX LOCKNUT, 5/16-18	
6	91033028	1	INLET CAP	
7	90027713	1	CLAMP	
8	77383154	1	SERVICE INDICATOR	
9	88711210	1	1/8 IN COUPLING	
10	88701023	1	CLOSE NIPPLE, 1/8X3	
11		Ref	AIR CLEANER (See AIR CLEANER for Breakdown)	
12	91163129	5	HOSE CLAMP	
13	91163137	1	BAND CLAMP	
14	91083129	1	REDUCING ELBOW	
15	91143126	1	AIR INTAKE TUBE	
16	24921332	1	MUFFLER CLAMP (includes items 17 & 18)	
17		Ref	BRIDGE	
18		Ref	NUT	
19	91083128	1	AIR INTAKE ELBOW	
20	91143125	1	AIR INTAKE TUBE	
21	91083126	1	AIR INTAKE ELBOW	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-15. AIR CLEANER PIPING (SN 0266001 through 0266106)



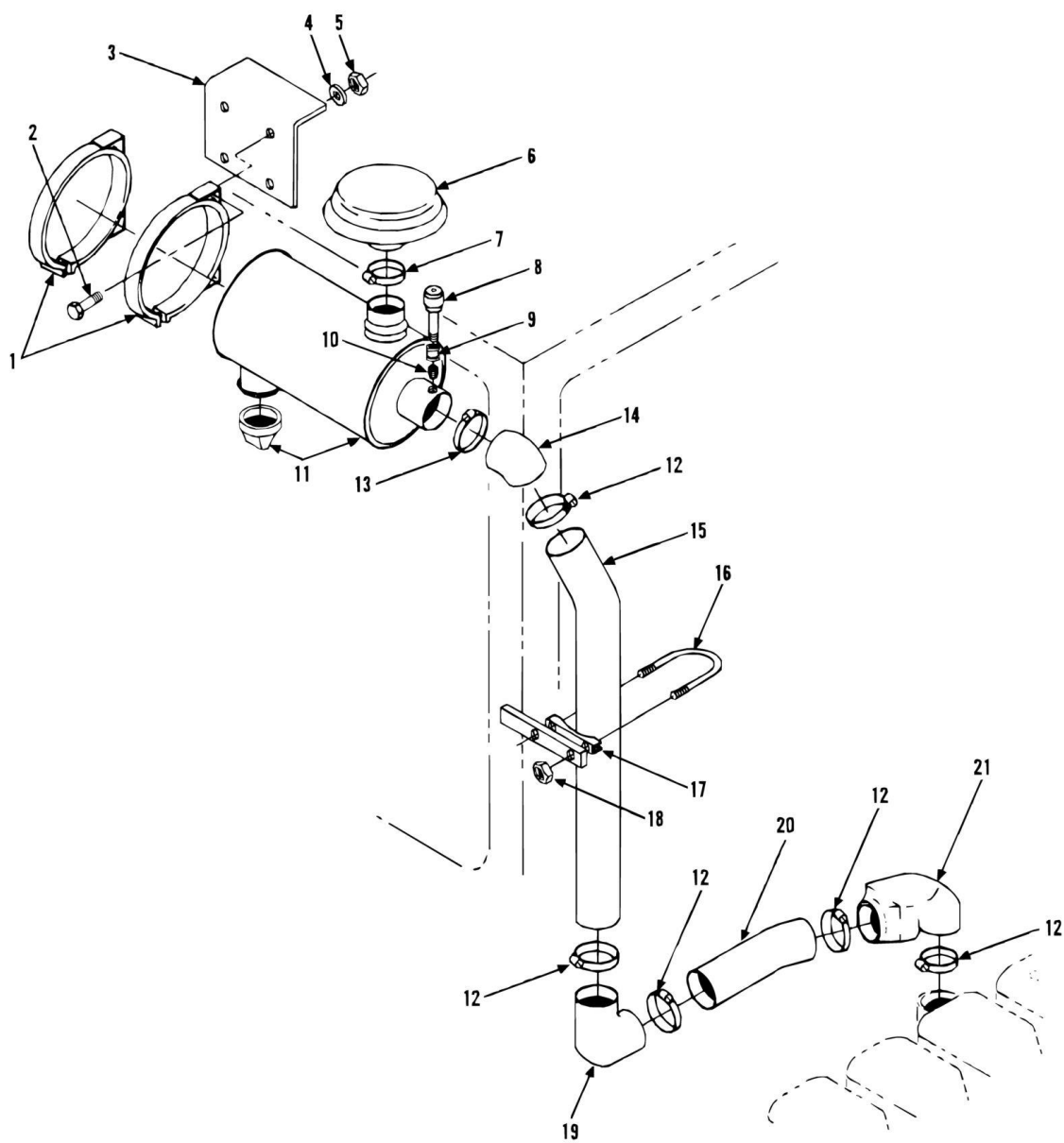
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-15. AIR CLEANER PIPING (SN 0266001 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	86981533	2	MOUNTING BAND	
2	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
3	91151002	1	BRACKET	
4	88561109	4	FLAT WASHER, 3/8	
5	88521306	4	HEX LOCKNUT, 3/8-16	
6	91153005	1	INLET CAP (includes item 7)	
7		Ref	CLAMP	
8	77383154	1	SERVICE INDICATOR	
9	88711210	1	1/8 IN COUPLING	
10	88701023	1	CLOSE NIPPLE, 1/8X3	
11		Ref	AIR CLEANER (See AIR CLEANER for Breakdown)	
12	91163129	4	HOSE CLAMP	
13	90028631	1	BAND CLAMP	
14	91153007	1	REDUCING ELBOW	
15	91143126	1	AIR INTAKE TUBE	
16	24921332	1	MUFFLER CLAMP (includes items 17 & 18)	
17		Ref	BRIDGE	
18		Ref	NUT	
19	91083128	1	AIR INTAKE ELBOW	
20	91153011	1	AIR INTAKE TUBE	
21	91151003	1	AIR INTAKE ELBOW	
22	77383790	1	HOSE CLAMP	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-16. AIR CLEANER PIPING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



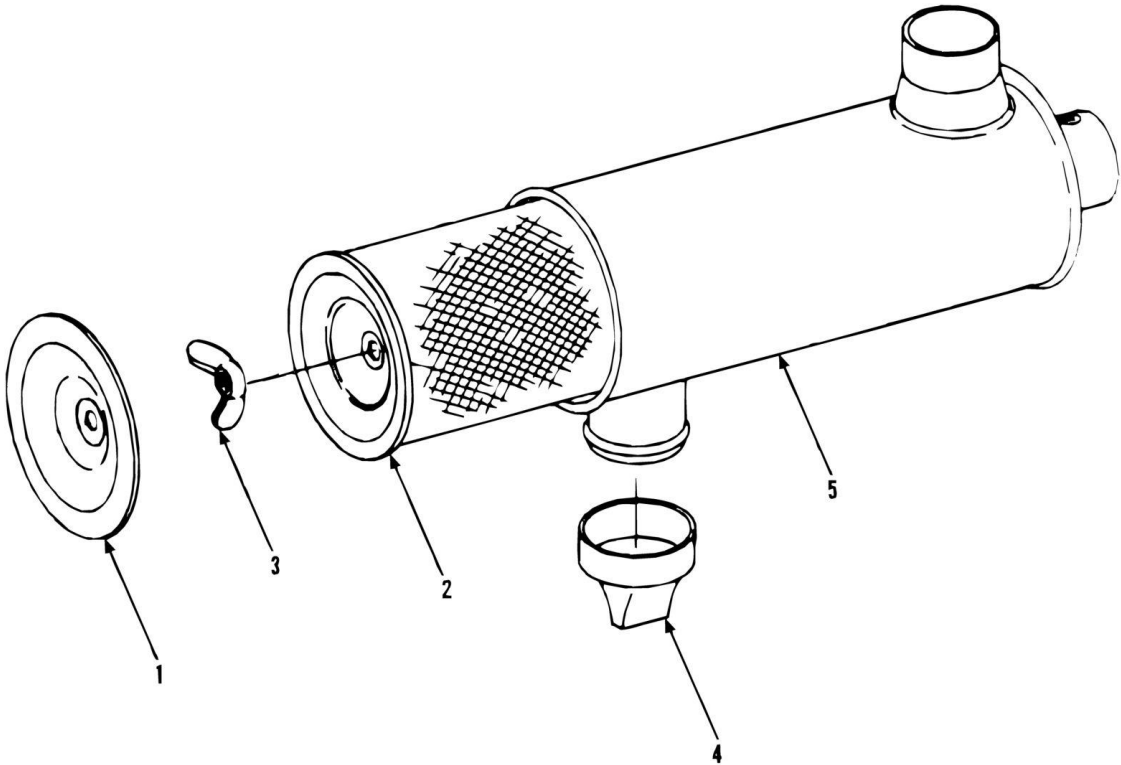
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-16. AIR CLEANER PIPING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	86981533	2	MOUNTING BAND	
2	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
3	91151002	1	BRACKET	
4	88561109	4	FLAT WASHER, 3/8	
5	88521306	4	HEX LOCKNUT, 3/8-16	
6	91153005	1	INLET CAP (includes item 7)	
7		Ref	CLAMP	
8	77383154	1	SERVICE INDICATOR	
9	88711210	1	1/8 IN COUPLING	
10	88701023	1	CLOSE NIPPLE, 1/8X3	
11		Ref	AIR CLEANER (See AIR CLEANER for Breakdown)	
12	91163129	5	HOSE CLAMP	
13	77383790	1	BAND CLAMP	
14	91153007	1	ELBOW	
15	91143126	1	UPPER AIR INTAKE TUBE	
16	24921332	1	MUFFLER CLAMP (includes items 17 & 18)	
17		Ref	BRIDGE	
18		Ref	NUT	
19	91083128	1	AIR INTAKE ELBOW	
20	91143352	1	LOWER AIR INTAKE TUBE	
21	91153021	1	AIR INTAKE ELBOW, 45	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-17. AIR CLEANER STARTING (SN 0344001 through 0444002)



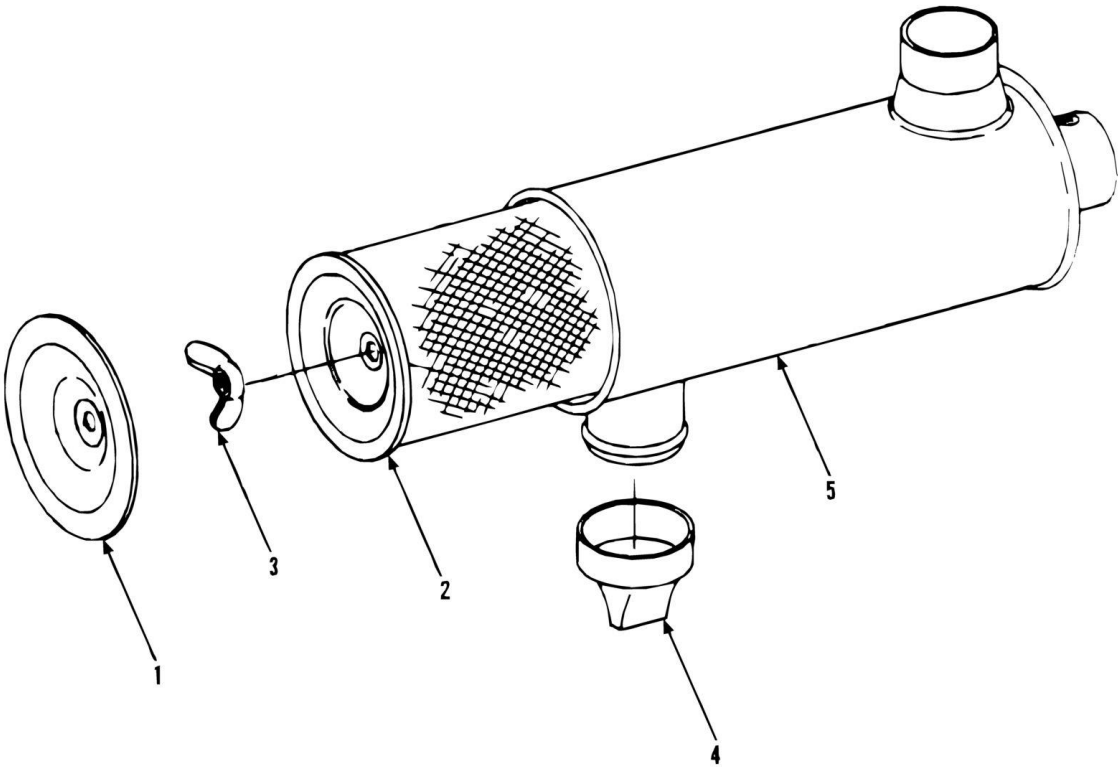
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-17. AIR CLEANER STARTING (SN 0344001 through 0444002)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90205663	1	AIR CLEANER (includes items 1 thru 5)	
1	90206606	1	COVER W/NUT	
2	90206262	1	ELEMENT	
3	90201414	1	WING NUT W/SEAL	
4	90200807	1	VACUATOR	
5		Ref	BODY (not sold separately, order P/N 90205663)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-18. AIR CLEANER (SN 0266001 through 0266106)



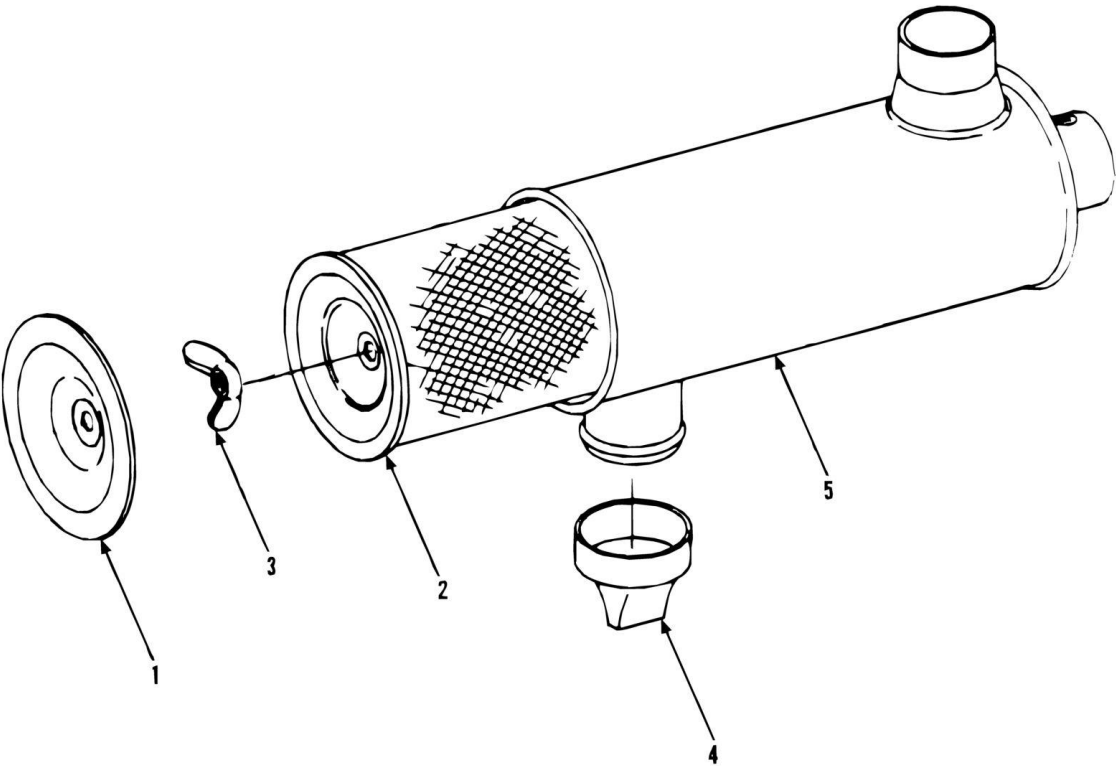
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-18. AIR CLEANER (SN 0266001 through 0266106)

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		Ref	BODY (not sold separately, order P/N 91153006)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-19. AIR CLEANER (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



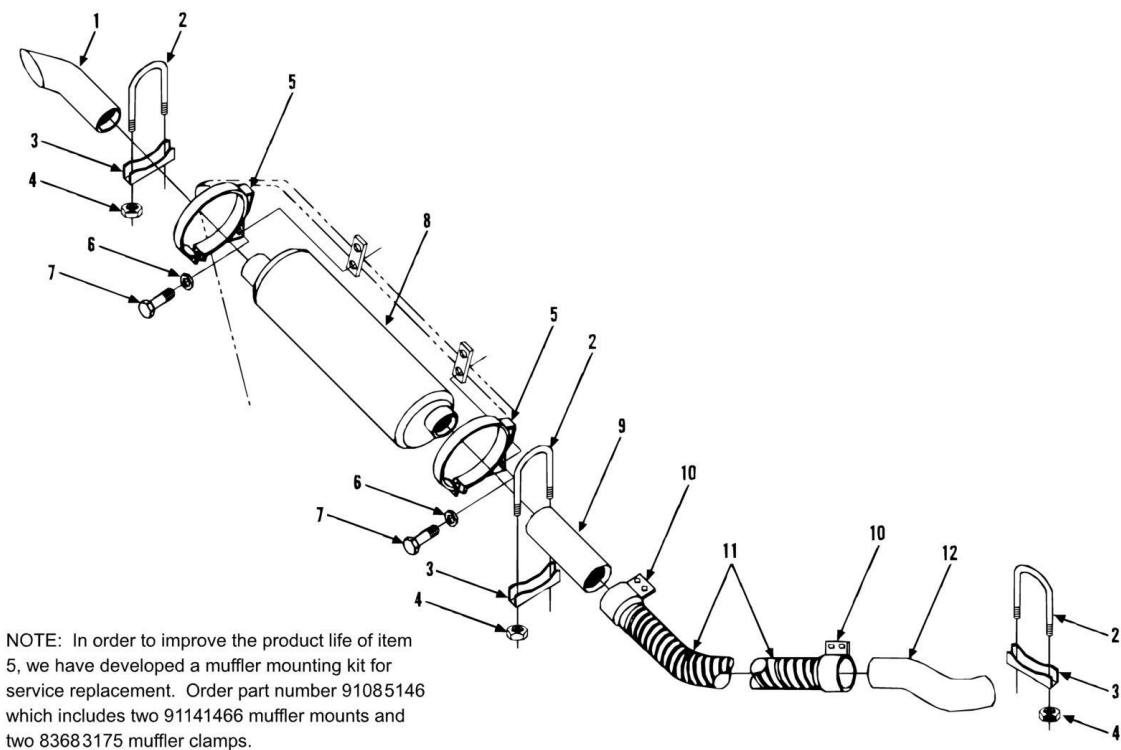
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-19. AIR CLEANER (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

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		Ref	BODY (not sold separately, order P/N 91153006)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-20. EXHAUST SYSTEM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



NOTE: In order to improve the product life of item 5, we have developed a muffler mounting kit for service replacement. Order part number 91085146 which includes two 91141466 muffler mounts and two 83683175 muffler clamps.

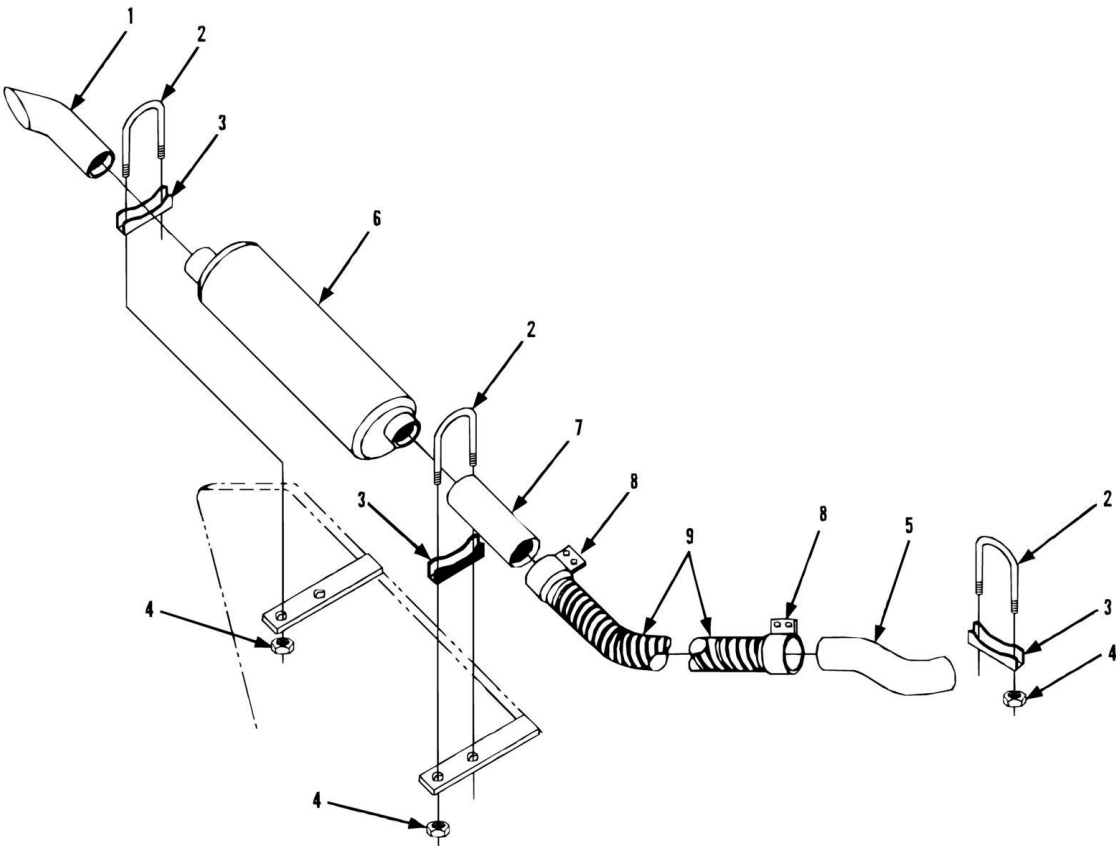
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-20. EXHAUST SYSTEM (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

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	91083253	2	MUFFLER BRACKET (see note)	
6	88551011	4	LOCKWASHER, 3/8	
7	88201031	4	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
8	91083250	1	MUFFLER	
9	91143016	1	EXHAUST TUBE	
10	77213031	2	CLAMP (includes hardware)	
11	91083427	1	FLEXIBLE TUBING	
12	91146037	1	EXHAUST TUBE	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-21. EXHAUST SYSTEM (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)



SECTION 4 - ENGINE AND ATTACHING PARTS

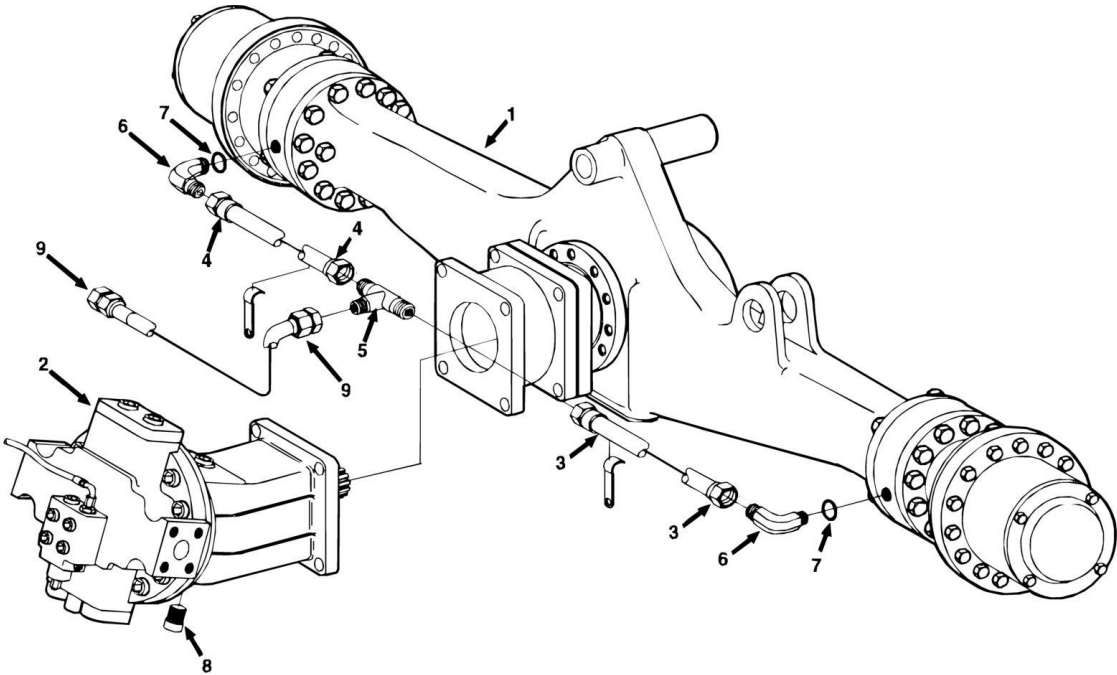
FIGURE 4-21. EXHAUST SYSTEM (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)

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	91146037	1	EXHAUST TUBE	
6	91083250	1	MUFFLER PIPE	
7	91143308	1	EXHAUST TUBE	
8	77213031	2	CLAMP (includes hardware)	
9	91043150	1	FLEXIBLE TUBING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 5 - DRIVE TRAIN

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. (91145139) FRONT AXLE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



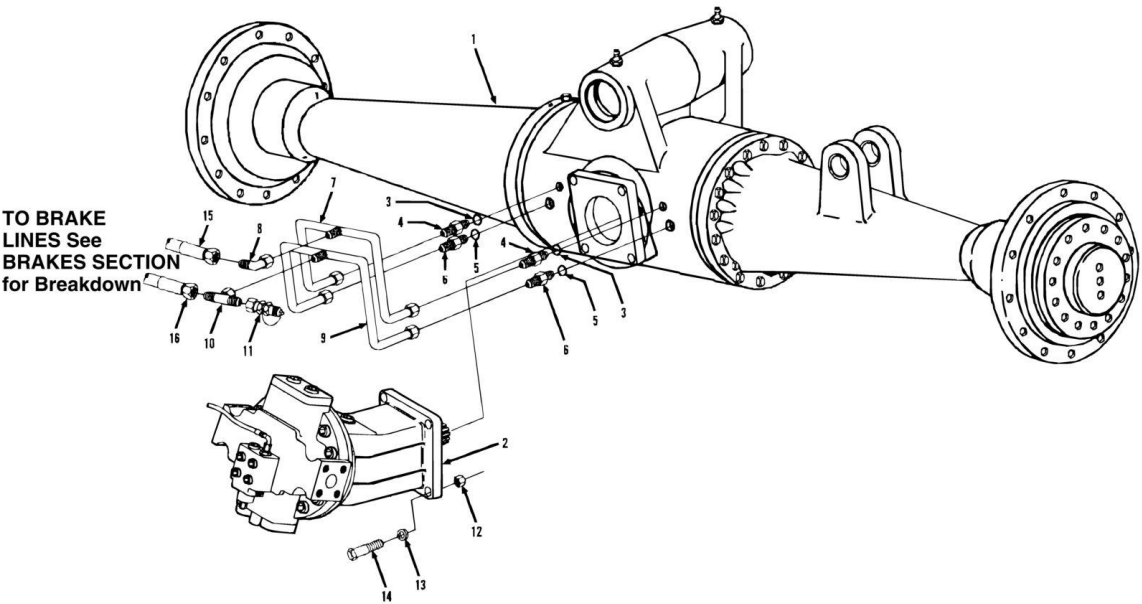
SECTION 5 - DRIVE TRAIN

FIGURE 5-1. (91145139) FRONT AXLE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145139	1	FRONT AXLE ASSY (includes all items)	
1		Ref	FRONT AXLE (See (91163015) FRONT AXLE for Breakdown)	
2		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	91033373	1	R.H. BRAKE LINE	
4	91033374	1	L.H. BRAKE LINE	
5	88661305	1	UNION TEE, 3/8 TUBE	
6	88662064	2	ELBOW, 90, (includes item 7)	
7	88661204	2	O-RING	
8	88662194	1	HEX SOCKET HEAD PLUG (includes o-ring)	
8	88591206	1	O-RING	
9	84717524	1	HOSE ASSY	

SECTION 5 - DRIVE TRAIN

FIGURE 5-2. (91145140) FRONT AXLE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)



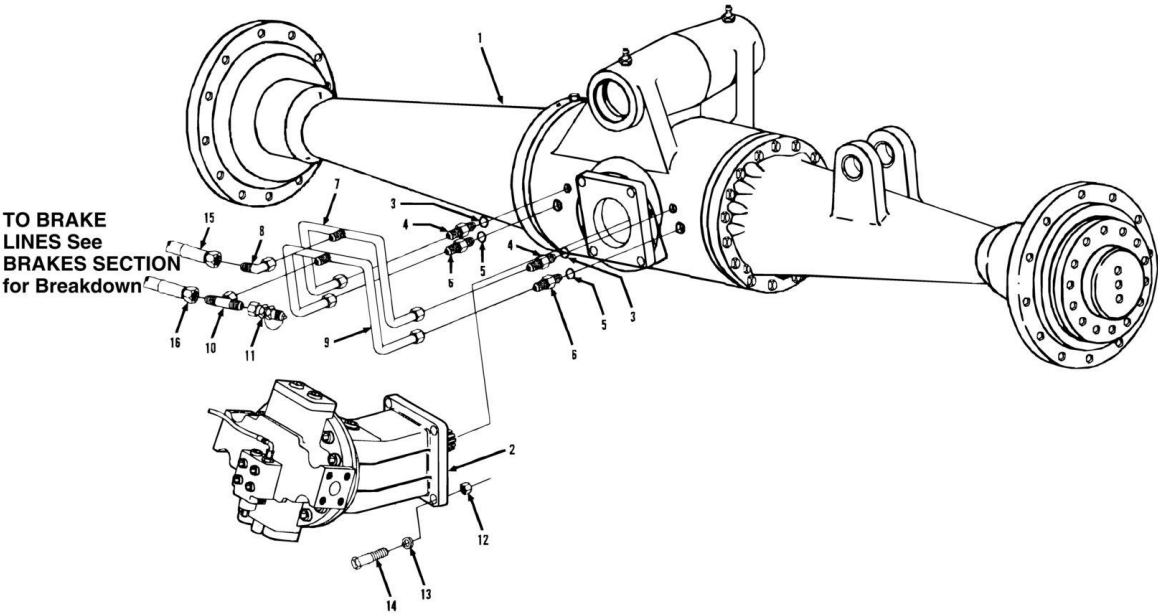
SECTION 5 - DRIVE TRAIN

FIGURE 5-2. (91145140) FRONT AXLE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145140	1	FRONT AXLE ASSY (includes all items)	
1		Ref	FRONT AXLE (See (91143199) FRONT AXLE for Breakdown)	
2		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88591205	2	O-RING	
4	88662006	2	CONNECTOR (includes item 3)	
5	88591204	2	O-RING	
6	88662005	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	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
11	91143172	1	MINI CHECK VALVE	
12	88501012	4	HEX NUT, 3/4-10	
13	90027473	4	HARD WASHER, 3/4	
14	83201058	4	HEX HD CAPSCREW, 3/4-10X3-3/4, GR8	
15	84718729	1	HOSE ASSY	
16	84717811	1	HOSE ASSY	

SECTION 5 - DRIVE TRAIN

FIGURE 5-3. (91145119) FRONT AXLE ASSEMBLY (SN 0344436 to Present, SN 0266063 to Present)



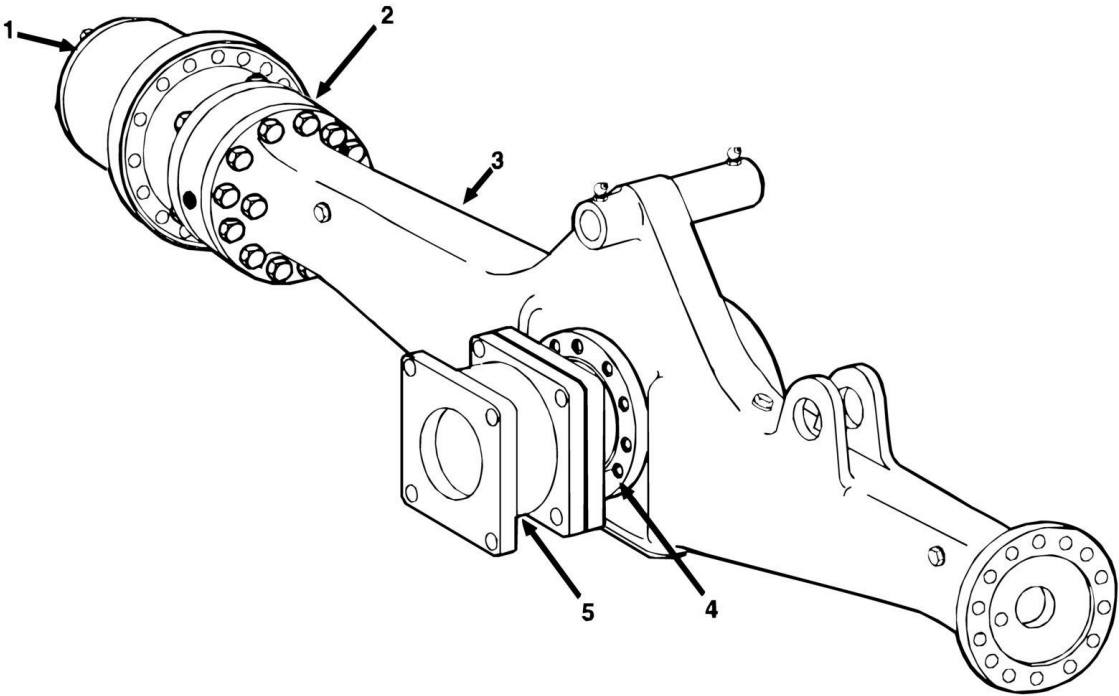
SECTION 5 - DRIVE TRAIN

FIGURE 5-3. (91145119) FRONT AXLE ASSEMBLY (SN 0344436 to Present, SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145119	1	FRONT AXLE ASSY (includes all items)	
1		Ref	FRONT AXLE (See (91143199) FRONT AXLE for Breakdown)	
2		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88591205	2	O-RING	
4	88662006	2	CONNECTOR (includes item 3)	
5	88591204	2	O-RING	
6	88662005	2	CONNECTOR (includes item 5)	
7	91123130	1	PARK BRAKE TUBE LINE	
8	88662106	1	ELBOW, 90, (Dswivel nut)	
9	91123127	1	SERVICE BRAKE TUBE LINE	
10	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
11	91143172	1	MINI CHECK VALVE	
12	88501012	4	HEX NUT, 3/4-10	
13	90027473	4	HARD WASHER, 3/4	
14	83201058	4	HEX HD CAPSCREW, 3/4-10X3-3/4, GR8	
15	84718729	1	HOSE ASSY	
16	84717811	1	HOSE ASSY	

SECTION 5 - DRIVE TRAIN

FIGURE 5-4. (91143169) FRONT AXLE HOUSING (SN 0344001 to Present, SN 0266001 to Present)



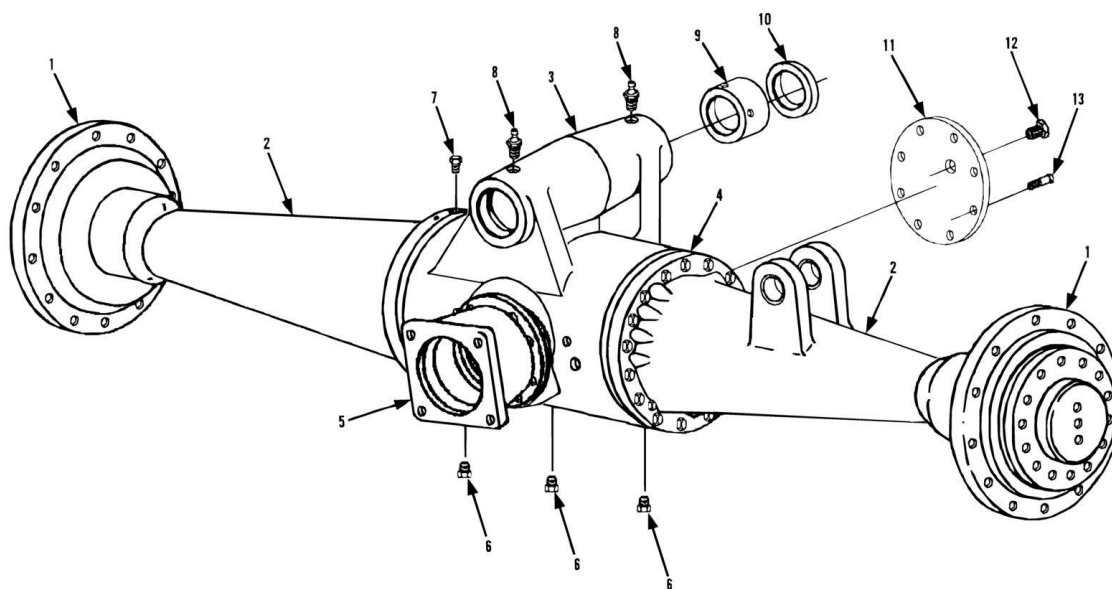
SECTION 5 - DRIVE TRAIN

FIGURE 5-4. (91143169) FRONT AXLE HOUSING (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91143169	1	FRONT AXLE ASSY (includes items 1 thru 5)	
		Ref	WHEEL END ASSY (See FRONT AXLE SHAFT AND PLANETARY WHEEL END for Breakdown)	
2		Ref	BRAKE ASSY (See BRAKE ASSEMBLY for Breakdown)	
3		Ref	AXLE HOUSING ASSY (See (91044422) FRONT AXLE HOUSING for Breakdown)	
4		Ref	CARRIER ASSY (See CARRIER ASSEMBLY for Breakdown)	
5		Ref	PARKING BRAKE ASSY (See (91144160) PARKING BRAKE ASSEMBLY for Breakdown)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-5. (91143199) FRONT AXLE (SN 0344394 to Present, SN 0266057 to Present)



SERVICE NOTE: When servicing this axle, it is recommended that on machines with starting serial numbers prior to 0344874 and 0266106, that you:

- 1). Replace the old style cover plate with the new cover plate kit, p/n 91145130.
- 2). Then refill the axle with 40 pints of mobil 424 fluid instead of 33 pints.

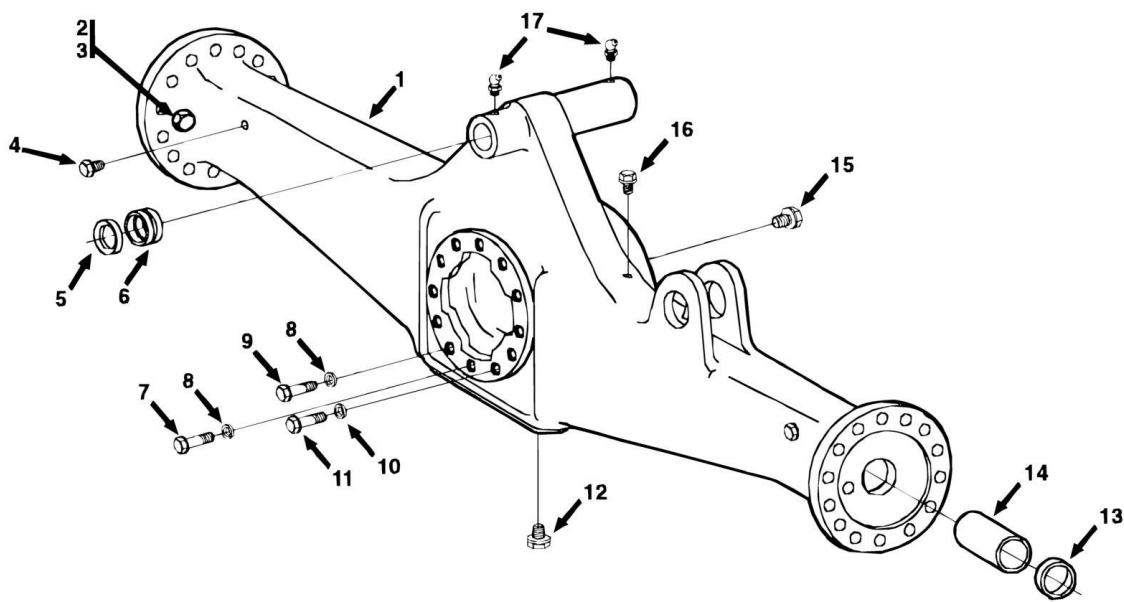
SECTION 5 - DRIVE TRAIN

FIGURE 5-5. (91143199) FRONT AXLE (SN 0344394 to Present, SN 0266057 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143119	1	FRONT AXLE, (includes all items on pages See (91143199) FRONT AXLE thru FRONT AXLE SHAFT AND PLANETARY WHEEL END for Breakdown)	
1	91145130	1	COVER PLATE KIT, (includes new style items 11 & 12)	
		Ref	WHEEL FLANGE ASSY, (See FRONT AXLE SHAFT AND PLANETARY WHEEL END for Breakdown)	
2		Ref	LEFT AND RIGHT HOUSING ASSY, (See (91144339) (91144337) LEFT/RIGHT HOUSING ASSEMBLY for Breakdown)	
3	91144326	1	CENTER HOUSING ASSY, (includes item 9)	
4		Ref	BRAKE ASSY, (See (91144160) PARKING BRAKE ASSEMBLY for Breakdown)	
5		Ref	CARRIER ASSY, (See (91044422) FRONT AXLE HOUSING 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	Kit	NLA	COVER-OLD STYLE, NO LONGER AVAILABLE (SN 0344394 to Present, SN 0266057 to Present)	
11	91141511	1	COVER-NEW STYLE (SN 0344874 to Present, SN 0266106 to Present)	
12	91144331	1	LEVEL PLUG-OLD STYLE (SN 0344394 to Present, SN 0266057 to Present)	
12	88711284	1	LEVEL PLUG-NEW STYLE (SN 0344874 to Present, SN 0266106 to Present)	
13	91144332	8	CAPSCREW, M8X1.25X16.0	

SECTION 5 - DRIVE TRAIN

FIGURE 5-6. (91044422) FRONT AXLE HOUSING (SN 0344001 to Present, SN 0266001 to Present)



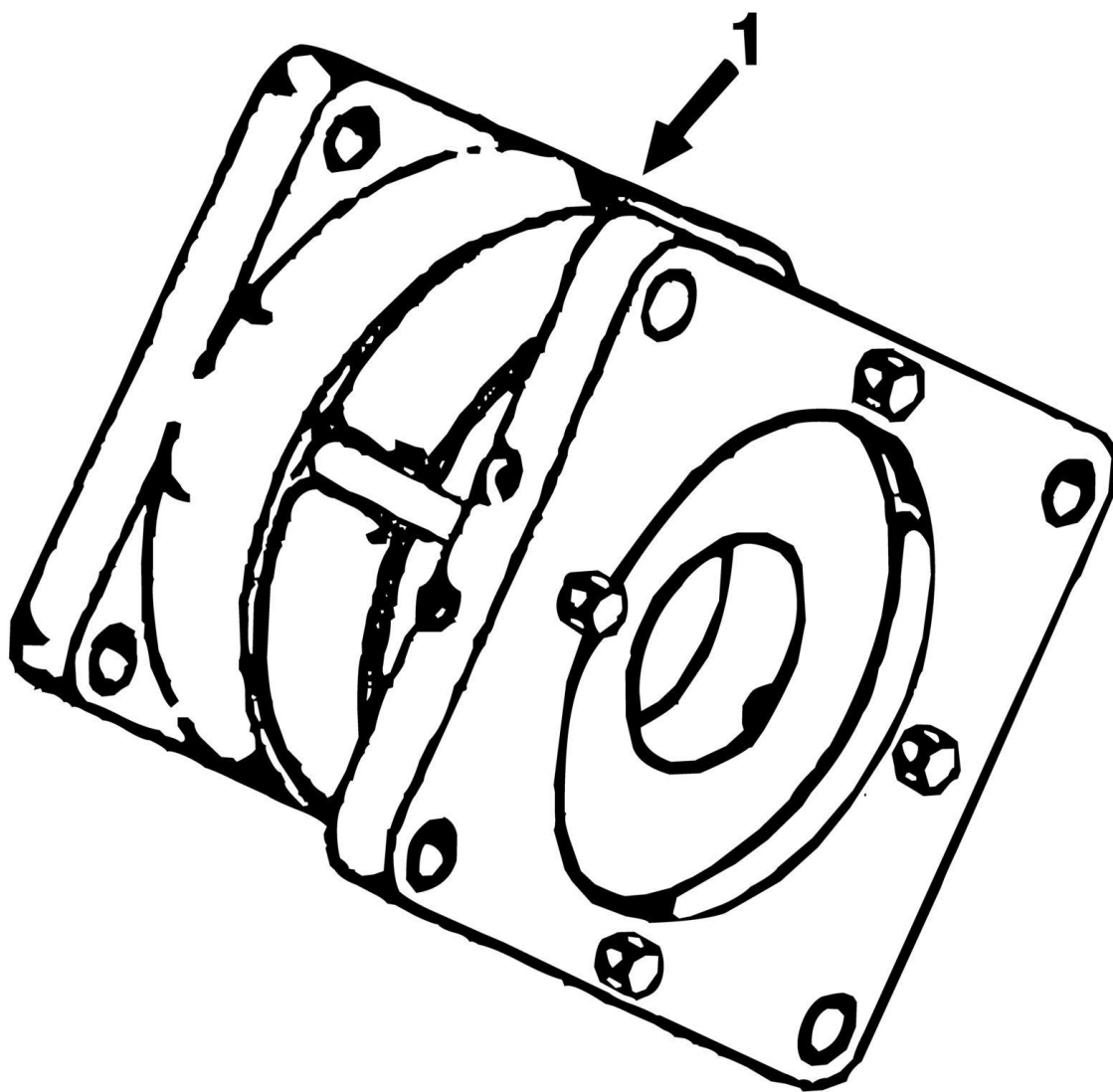
SECTION 5 - DRIVE TRAIN

FIGURE 5-6. (91044422) FRONT AXLE HOUSING (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91044422	1	AXLE HOUSING ASSY (includes items 2, 3, 4, 7, 8, 12, 13, 14, 16 & 17)	
2	91044426	2	HEX HD CAPSCREW	
3	91044425	2	WASHER	
4	91044419	4	COOLING PLUG	
5	91084047	2	TRUNNION OIL SEAL	
6	91084046	2	INNER RACE BEARING	
7	91084052	2	HEX HD CAPSCREW, LONG	
8	91084051	4	WASHER	
9	91084050	2	HEX HD CAPSCREW, SHORT	
10	91084049	12	WASHER	
11	91084048	12	HEX HD CAPSCREW, SHORT	
12	77104343	1	DRAIN PLUG	
13	91044423	4	AXLE SHAFT OIL SEAL	
14	91044424	2	AXLE SHAFT BUSHING	
15	83073699	1	OIL FILLER PLUG	
16	77104289	1	HOUSING BREATHER	
17	91084045	2	LUBE FITTING	

SECTION 5 - DRIVE TRAIN

FIGURE 5-7. (91144160) PARKING BRAKE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



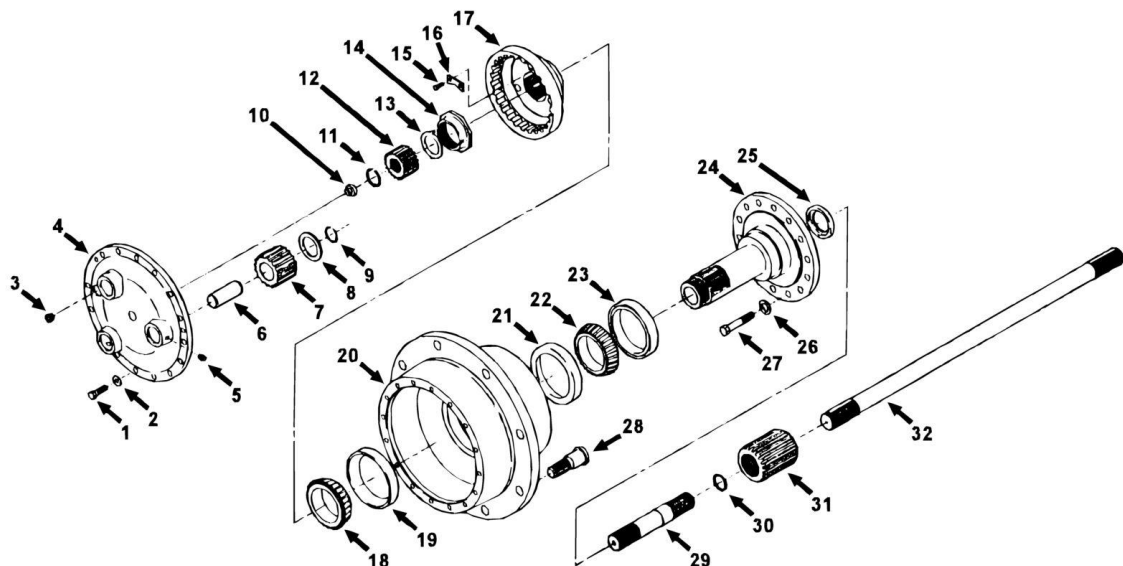
SECTION 5 - DRIVE TRAIN

FIGURE 5-7. (91144160) PARKING BRAKE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91144160	1	PARKING BRAKE ASSY	
1	91084211	1	SPRING KIT	
1	91084212	1	SEAL KIT	
1	91084213	1	LINING KIT	

SECTION 5 - DRIVE TRAIN

FIGURE 5-8. FRONT AXLE SHAFT AND PLANETARY WHEEL END (SN 0344001 to Present, SN 0266001 to Present)



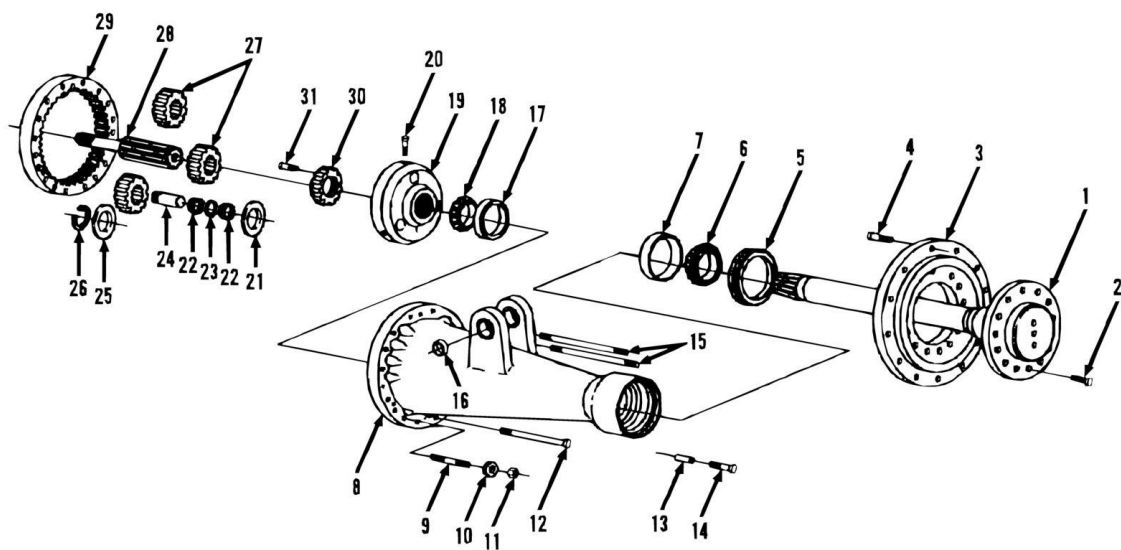
SECTION 5 - DRIVE TRAIN

FIGURE 5-8. FRONT AXLE SHAFT AND PLANETARY WHEEL END (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91084112	48	CAPSCREW, SPIDER TO HUB	
2	91084113	48	WASHER, SPIDER TO HUB	
3	77104343	2	PLUG, SPIDER OIL LEVEL	
4	91044383	2	SPIDER	
5	91084114	6	SETSCREW, PINION SHAFT	
6	91044385	6	SHAFT, PLANET PINION	
7	91044384	6	PINION, PLANET	
8	91044386	6	THRUSTWASHER, PLANET PINION	
9	91084107	6	SNAP RING, PINION SHAFT	
10	91084106	2	THRUST BUTTON, PLANET SPIDER	
11	91084107	2	SNAP RING, AXLE SHAFT	
12	91044387	2	GEAR, SUN	
13	91084109	2	THRUSTWASHER, SUN GEAR	
14	91044388	2	NUT, HUB BEARING	
15	91044389	4	CAPSCREW, WHEEL BEARING LOCK	
16	91044390	2	LOCK, WHEEL BEARING NUT	
17	91044391	2	GEAR, PLANET RING	
18	91044392	2	CONE, HUB BEARING, OUTER	
19	91044394	2	CUP, HUB BEARING, OUTER	
20	91044393	2	HUB, WHEEL	
21	77104444	2	CUP, HUB BEARING, INNER	
22	77104445	2	CONE, HUB BEARING, INNER	
23	91044395	2	OIL SEAL, HUB BEARING	
24	91044396	2	SPINDLE	
25	91044423	2	OIL SEAL, SPINDLE TO AXLE SHAFT	
26	83081182	28	WASHER, SPINDLE TO BRAKE HOUSING	
27	91044398	28	CAPSCREW, SPINDLE TO BRAKE HOUSING	
28	91084126	24	STUD, WHEEL	
29	91044399	2	SHAFT, AXLE, OUTER	
30	91044400	2	SNAP RING, COUPLING	
31	91044401	2	COUPLING ASSY, AXLE	
32	91044402	2	SHAFT, AXLE, INNER	

SECTION 5 - DRIVE TRAIN

FIGURE 5-9. (91144339) (91144337) LEFT/RIGHT HOUSING ASSEMBLY (91144333) (91144335) AXLE SHAFT AND WHEEL FLANGE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)



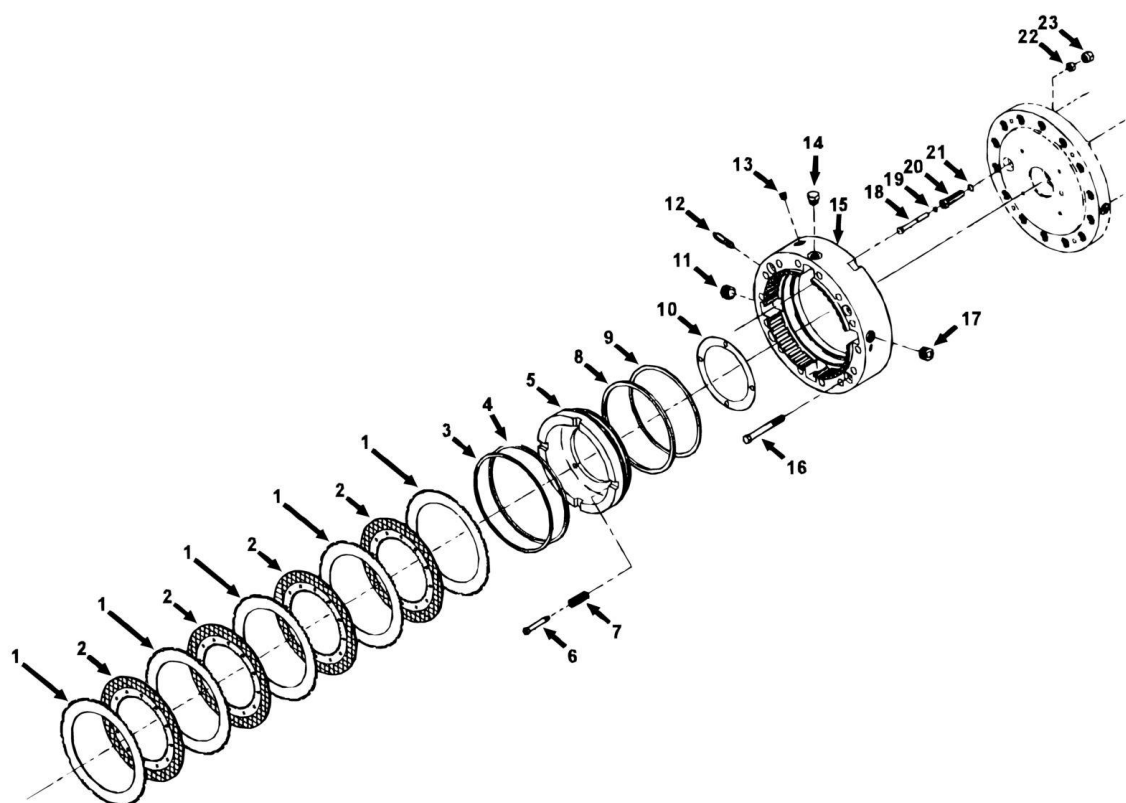
SECTION 5 - DRIVE TRAIN

FIGURE 5-9. (91144339) (91144337) LEFT/RIGHT HOUSING ASSEMBLY (91144333) (91144335) AXLE SHAFT AND WHEEL FLANGE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)

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)	
		Ref	NOTE: QUANTITIES SHOWN ARE FOR BOTH SIDES.	

SECTION 5 - DRIVE TRAIN

FIGURE 5-10. BRAKE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



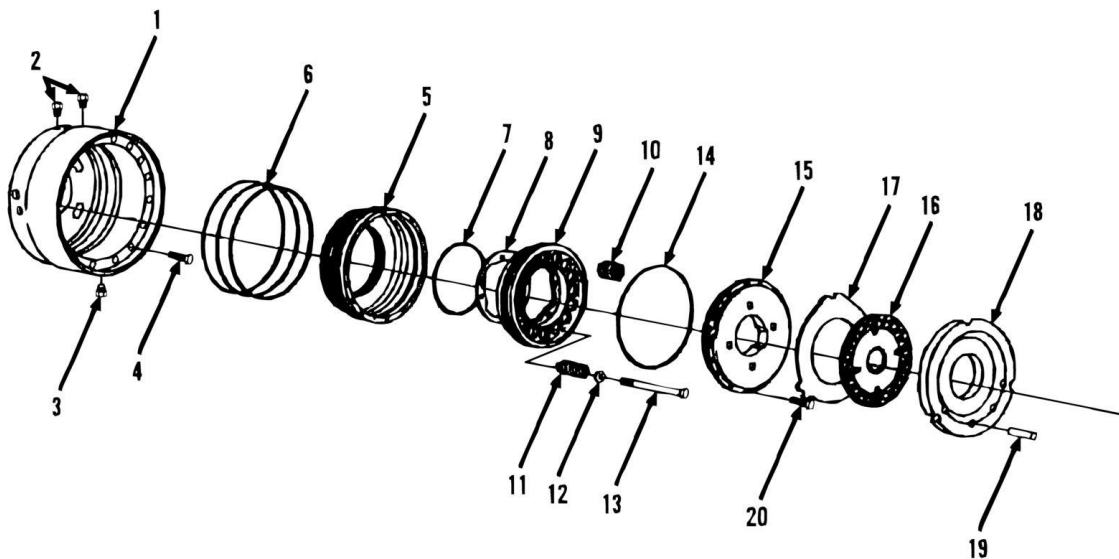
SECTION 5 - DRIVE TRAIN

FIGURE 5-10. BRAKE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91044403	12	DISC, STATIONARY	
2	91044404	8	DISC, FRICTION	
3	91044405	2	BACKUP RING, PISTON, OUTER	
4	91044406	2	QUAD RING, PISTON, OUTER	
5	91044407	2	BRAKE PISTON	
6	91044408	8	SHOULDER SCREW	
7	91044409	8	SHOULDER SCREW SPRING	
8	91044410	2	QUAD RING, PISTON, INNER	
9	91144154	2	BACKUP RING, PISTON, INNER	
10	91044412	AR	SHIM, (.003)	
10	91044413	AR	SHIM, (.005)	
10	91044414	AR	SHIM, (.010)	
10	91044415	AR	SHIM, (.020)	
11	91044416	2	DRAIN PLUG, MAGNETIC	
12	91044417	2	BLEEDER SCREW	
13	91044419	4	FORCED COOLING PLUG	
14	91144155	4	INLET PLUG	
15	91044420	2	BRAKE HOUSING	
16	91044421	8	CAPSCREW	
17	77384016	4	FILLER PLUG	
18	91144056	2	METERING ROD	
19	91144057	2	O-RING	
20	91144058	2	FITTING ASSY	
21	91144059	2	O-RING	
22	91144060	2	LOCKNUT, WEAR END FITTING	
23	91144061	2	CAP, FITTING	

SECTION 5 - DRIVE TRAIN

FIGURE 5-11. BRAKE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)



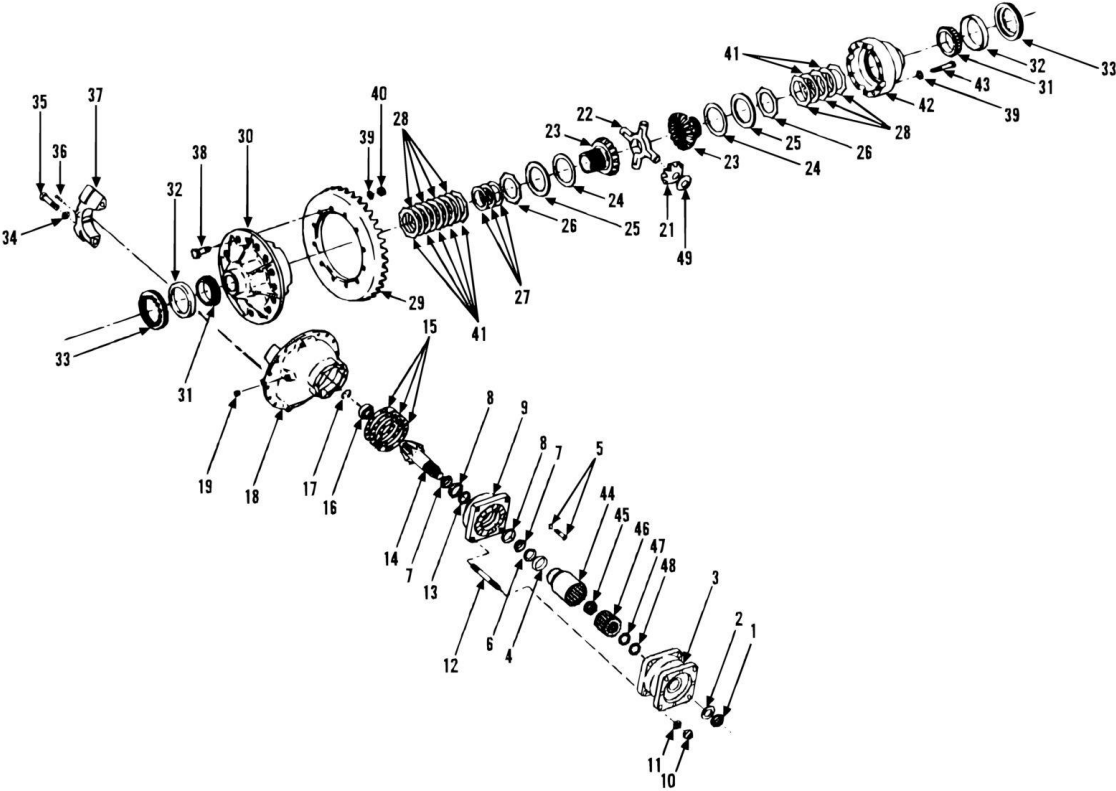
SECTION 5 - DRIVE TRAIN

FIGURE 5-11. BRAKE ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91144442	Ref	BRAKE SEAL KIT, (includes items 6, 7 & 14), (services both sides)	
	91144369	Ref	BRAKE PISTON PLATE KIT, (includes items 15, 16, 17 & 18), (services one side)	
	91144370	Ref	BRAKE PLATE AND SEAL KIT, (includes items 6, 7, 14, 15, 16, 17 & 18), (services one side)	
	91144371	Ref	PISTON BRAKE SHIM KIT, (includes one each of item 8), (services one side)	
1	91144372	1	BRAKE HOUSING, (right side only - left side included in center housing)	
2	91144373	4	HYDRAULIC LINE BLEEDER	
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	91124110	6	O-RING	
7	91124111	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	91124112	2	O-RING	
15	Kit	2	BRAKE ACTUATING PLATE	
16	Kit	8	FRICTION DISC	
17	Kit	8	STATIONARY DISC	
18	Kit	2	BRAKE REACTION PLATE	
19	91144380	6	BRAKE DISC LOCKPIN	
20	91144381	42	CAPSCREW, M6X1.0X12.0, (allen)	
		Ref	NOTE: QUANTITIES SHOWN ARE FOR BOTH SIDES.	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 5 - DRIVE TRAIN

FIGURE 5-12. (91144048) FRONT AXLE DIFFERENTIAL CARRIER (SN 0344001 to Present, SN 0266001 to Present)



SECTION 5 - DRIVE TRAIN

FIGURE 5-12. (91144048) FRONT AXLE DIFFERENTIAL CARRIER (SN 0344001 to Present, SN 0266001 to Present)

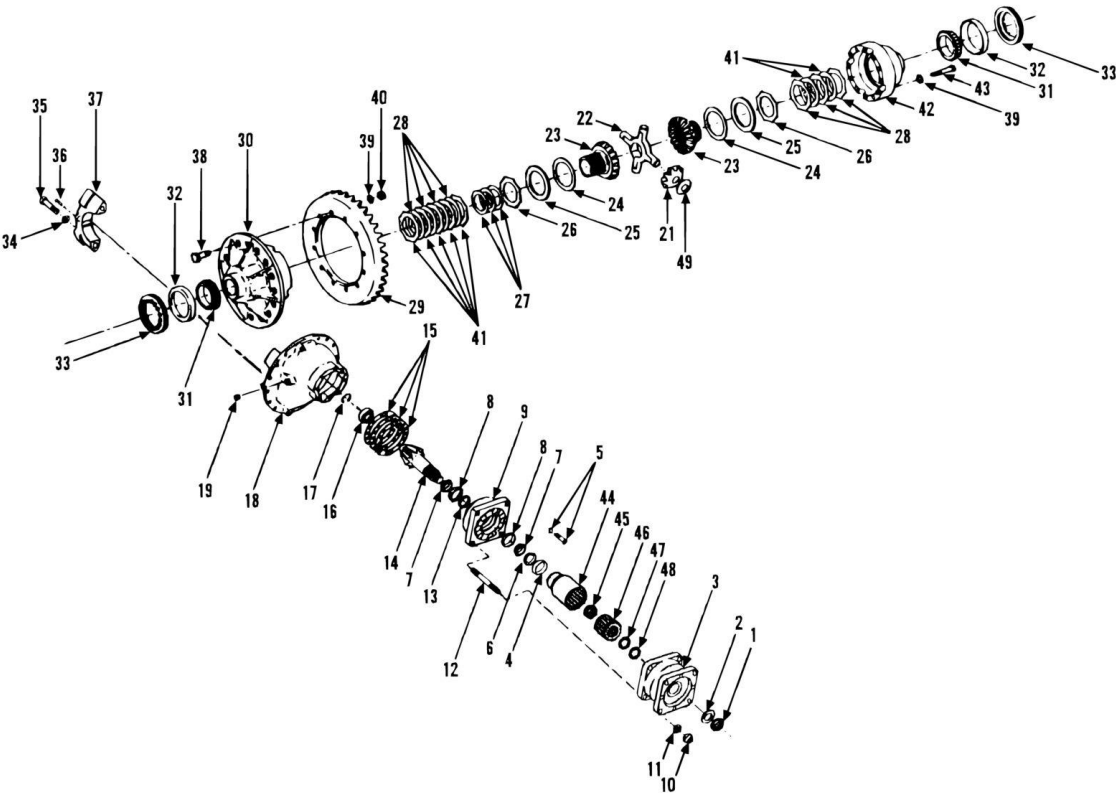
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91144048	1	DIFFERENTIAL ASSY, (includes all items)	
	91144049	R	SHIM KIT	
	86984466	R	MISCELLANEOUS HARDWARE KIT, (includes items 38, 39 & 40)	
1	91084053	1	NUT, BEVEL PINION	
2	91084054	1	WASHER, BEVEL PINION NUT	
3		Ref	PARKING BRAKE ASSY, (See (91144160) PARKING BRAKE ASSEMBLY for Breakdown)	
4	91084056	1	OIL SEAL, BEARING CAGE	
5	91084057	8	CAPSCREW, BEARING CAGE	
5		Ref	WASHER	
6	91084058	1	THRUST WASHER	
7	91084059	2	CONE, BEVEL PINION BEARING	
8	90200440	2	CUP, BEVEL PINION BEARING	
9	91084060	1	CAGE, BEVEL PINION BEARING	
10	91084061	4	NUT	
11	91084062	4	WASHER	
12	91084063	4	STUD	
13	91084064	AR	SHIM, (.125)	
13	91084065	AR	SHIM, (.126)	
13	91084066	AR	SHIM, (.127)	
13	91084067	AR	SHIM, (.128)	
13	91084068	AR	SHIM, (.129)	
13	91084069	AR	SHIM, (.130)	
13	91084070	AR	SHIM, (.136)	
13	91084071	AR	SHIM, (.142)	
13	91084072	AR	SHIM, (.148)	
13	91084073	AR	SHIM, (.154)	
13	91084074	AR	SHIM, (.158)	
14		Ref	PINION, BEVEL, (Not sold separately, order item 29)	
15	91084075	AR	SHIM, (.003)	
15	91084076	AR	SHIM, (.005)	
15	91084077	AR	SHIM, (.010)	
16	91084078	1	BEARING, BEVEL PINION, REAR	
17	91084079	1	LOCK RING, BEVEL PINION REAR	
18	91144156	1	DIFFERENTIAL CARRIER ASSY	
19	83073699	1	PLUG, OIL DRAIN/FILLER	
20	91044081	4	THRUST WASHER, DIFFERENTIAL PINION	
21	91084082	4	PINION, DIFFERENTIAL	
22	91084083	1	SPIDER, DIFFERENTIAL	
23	91084084	2	GEAR, DIFFERENTIAL SIDE	
24	91084085	2	THRUST WASHER, SIDE GEAR	
25	91084086	2	SPACER, CLUTCH	
26	91084087	2	DISC, CLUTCH	
27	91084088	AR	SHIM, (.005)	
27	91084089	AR	SHIM, (.010)	
27	91084090	AR	SHIM, (.013)	
27	91084091	A./R	SHIM, (.015)	
28	91084092	16	DISC, CLUTCH DRIVE	
29	83073623	1	BEVEL GEAR ASSY, (includes item 14)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
30	91084095	1	DIFFERENTIAL CASE ASSY, (includes item 20 thru 28, 12 of item 39. Also items 41 thru 43)	
31	91084097	2	CONE, DIFFERENTIAL CASE BEARING	
32	91084098	2	CUP, DIFFERENTIAL CASE BEARING	
33	91084099	2	ADJUSTING RING, DIFFERENTIAL BEARING	
34	83081182	4	WASHER, DIFFERENTIAL BEARING CAP	
35	91044381	4	CAPSCREW, DIFFERENTIAL BEARING CAP	
36	83483441	2	COTTER PIN	
37	91144052	2	CAP, DIFFERENTIAL BEARING, (includes dowel pin)	
38	91144053	12	CAPSCREW, DIFFERENTIAL CASE AND BEVEL GEAR	
39	83483532	24	WASHER, DIFFERENTIAL CASE AND BEVEL GEAR	
40	77104297	12	NUT, DIFFERENTIAL CASE AND BEVEL GEAR	
41	91084103	14	DISC, CLUTCH DRIVEN	
42		Ref	DIFFERENTIAL CASE, (not sold separately, order item 30)	
43	91084104	12	CAPSCREW, DIFFERENTIAL CASE	
44	91084360	1	SPLINED SHAFT	
45	91084354	1	INNER SPLINE ADAPTER	
46	91084355	1	OUTER COLLAR	
47	91084356	1	EXTERNAL SNAP RING	
48	91084357	1	INTERNAL SNAP RING	
49	91084081	4	THRUSTWASHER	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 5 - DRIVE TRAIN

FIGURE 5-13. CARRIER ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)



SECTION 5 - DRIVE TRAIN

FIGURE 5-13. CARRIER ASSEMBLY (SN 0344394 to Present, SN 0266057 to Present)

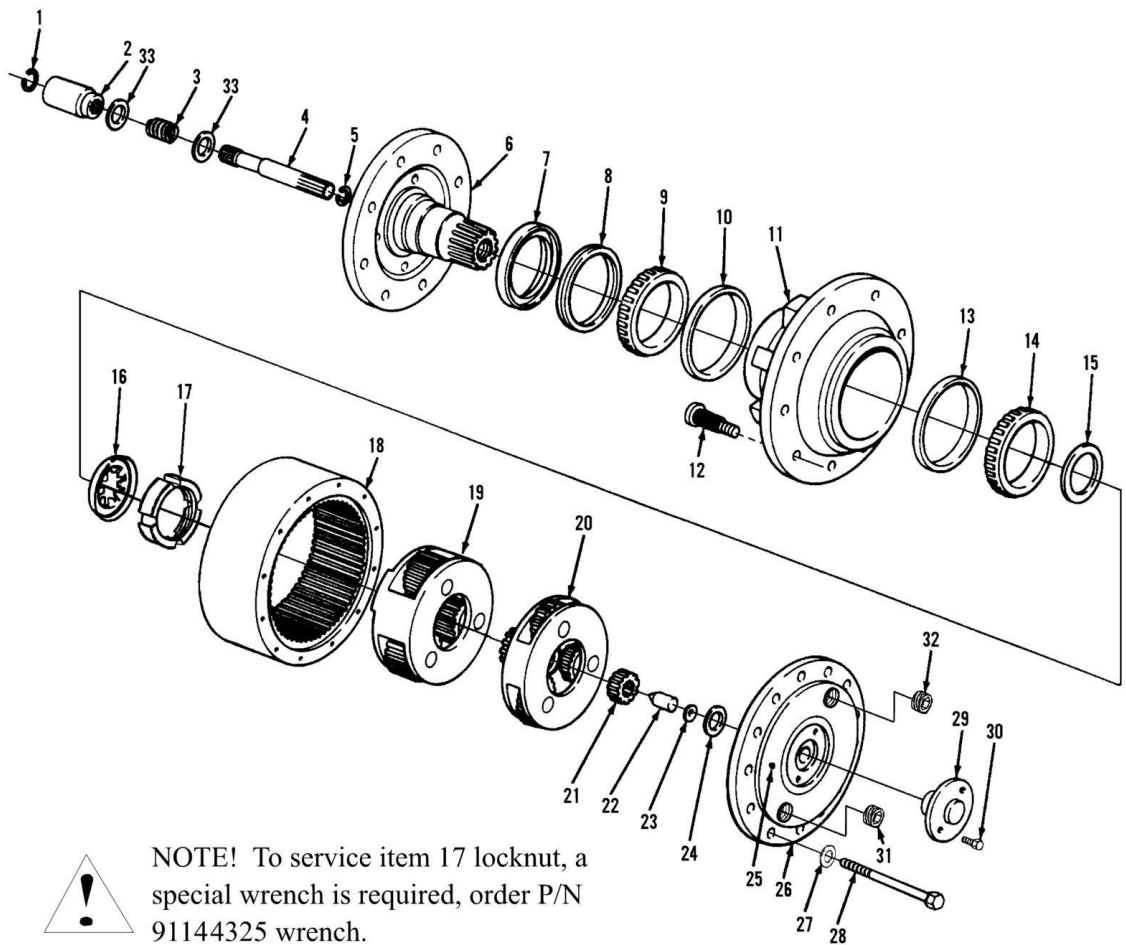
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91144382	Ref	LIMITED SLIP PLATE STACK KIT (includes items 10, 11, 12, 13 & 14)	
	91144383	Ref	PINION CAGE SHIM KIT (includes item 23)	
	91144384	Ref	DRIVE PINION SHIM KIT (includes item 27)	
	91144385	Ref	LIMITED SLIP SHIM KIT (includes item 12)	
1	91144386	4	CAPSCREW	
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 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	THRUSTWASHER (included in 91144382 kit)	
15	91144393	2	SIDE GEAR	
16	91144394	1	SPIDER	
17	91144395	4	THRUSTWASHER	
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	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
34	91144406	1	PINION NUT, M24X1.5	
35	91144407	1	DRIVE SLEEVE	
36	91144408	1	SNAP RING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 5 - DRIVE TRAIN

FIGURE 5-14. (91043472) REAR STEERING AXLE DRIVE HUB (SN 0344001 to Present, SN 0266001 to Present)



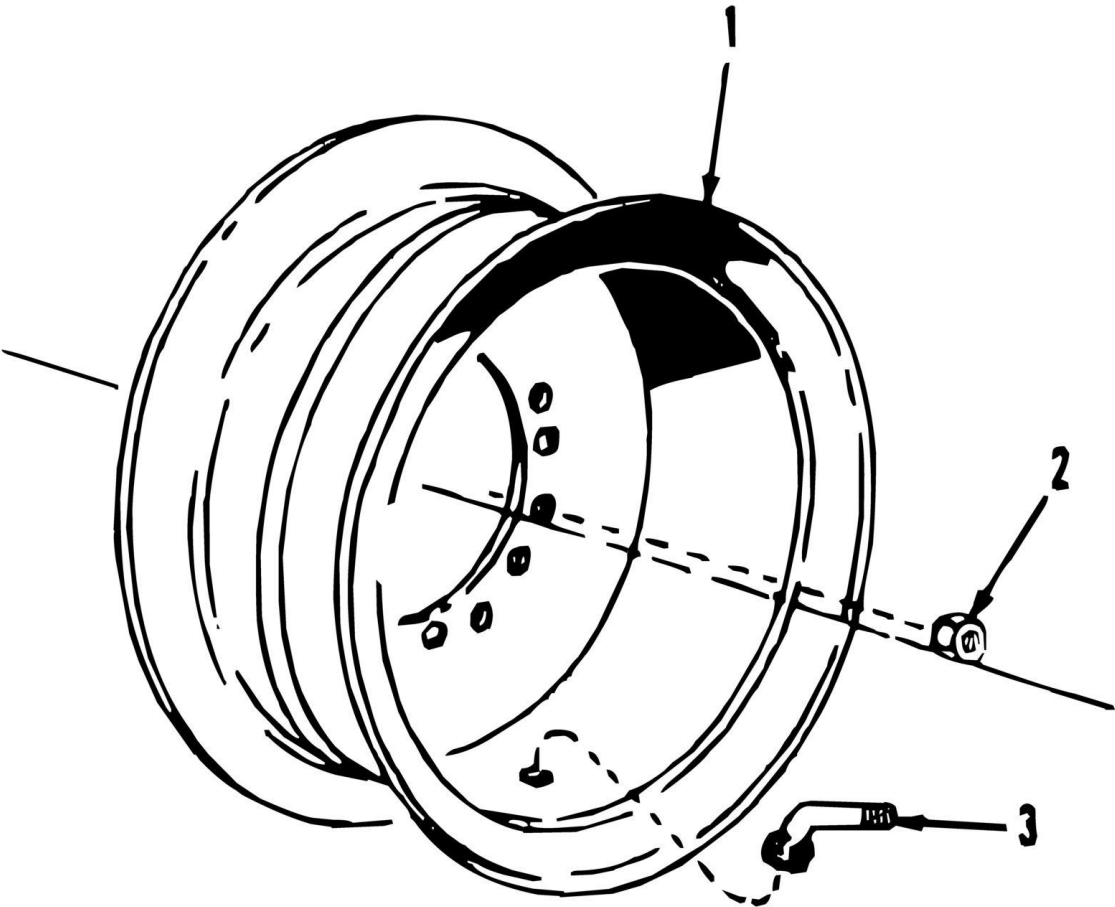
SECTION 5 - DRIVE TRAIN

FIGURE 5-14. (91043472) REAR STEERING AXLE DRIVE HUB (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91043472	2	REAR STEERING AXLE DRIVE HUB	
	91044462	Ref	REPAIR KIT (includes items 7, 8 & 30)	
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	
9	90202501	1	OUTER BEARING CONE	
10	90202500	1	OUTER BEARING CUP	
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	LOCK NUT	
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	THRUSTWASHER	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	
		Ref	NOTE: QUANTITIES SHOWN ARE FOR ONE HUB ASSY ONLY.	
		Ref	ADDED SERVICE NOTE CONCERNING THE SPECIAL WRENCH NEEDED TO SERVICE ITEM 17. CHANGED ART ON ITEM 17.	

SECTION 5 - DRIVE TRAIN

FIGURE 5-15. WHEELS AND TIRES (SN 0344001 to Present, SN 0266001 to Present)



SECTION 5 - DRIVE TRAIN

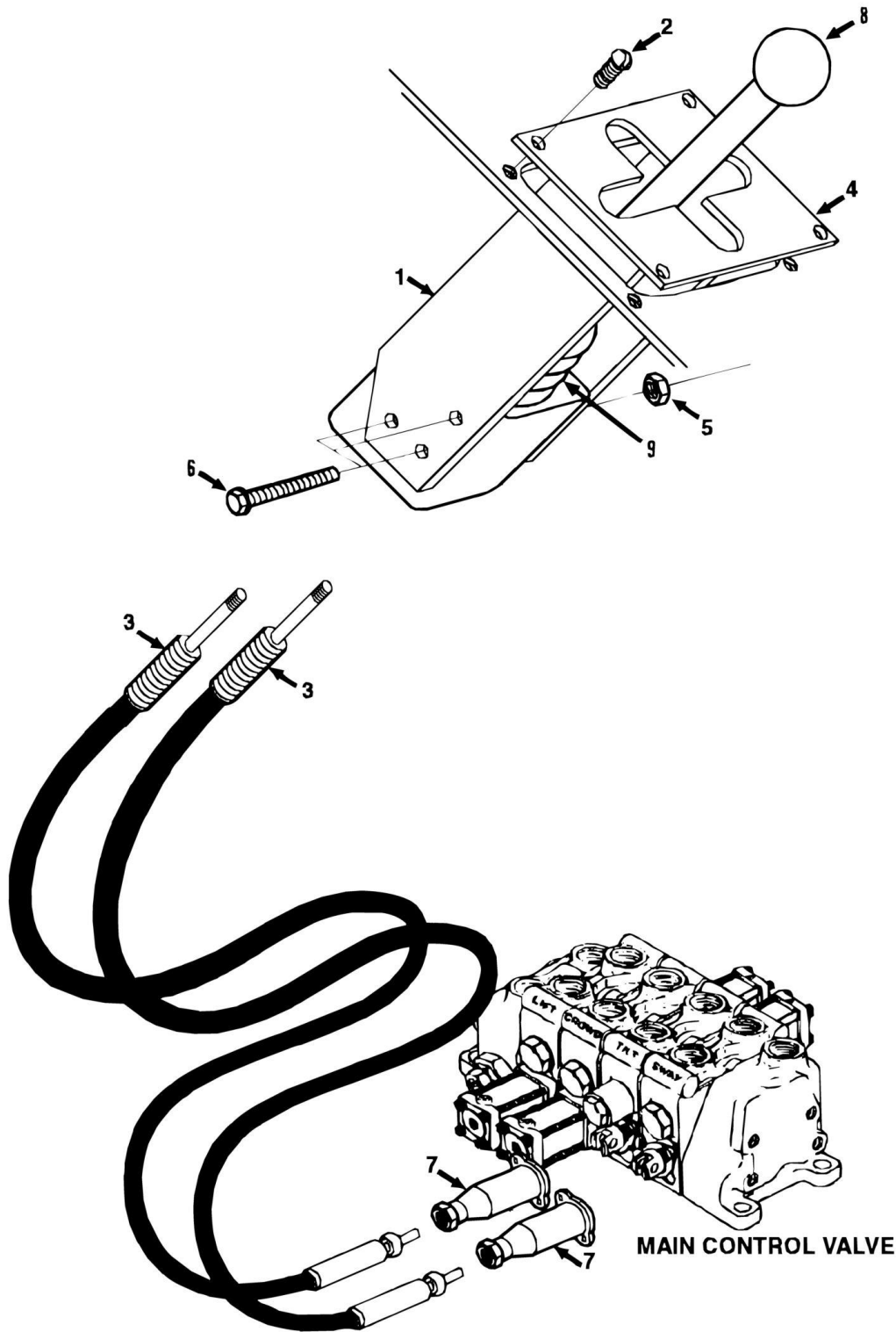
FIGURE 5-15. WHEELS AND TIRES (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91125002	1	R.H. TIRE ASSY (includes items 1, 3 & 4)	
	91125003	1	L.H. TIRE ASSY (includes items 1, 3 & 4)	
2	91043298	2	RIM	
3	91043146	48	LUG NUT (lubricate and torque to 350-400 ft lbs)	
4	91083385	2	VALVE	
	91033104	2	TIRE (not shown) 13.00 x 24, 12 ply, G-2 traction regular.	

SECTION 6 - CONTROLS

SECTION 6 - CONTROLS

FIGURE 6-1. TILT AND SWAY (SN 0344001 to Present, SN 0266001 to Present)



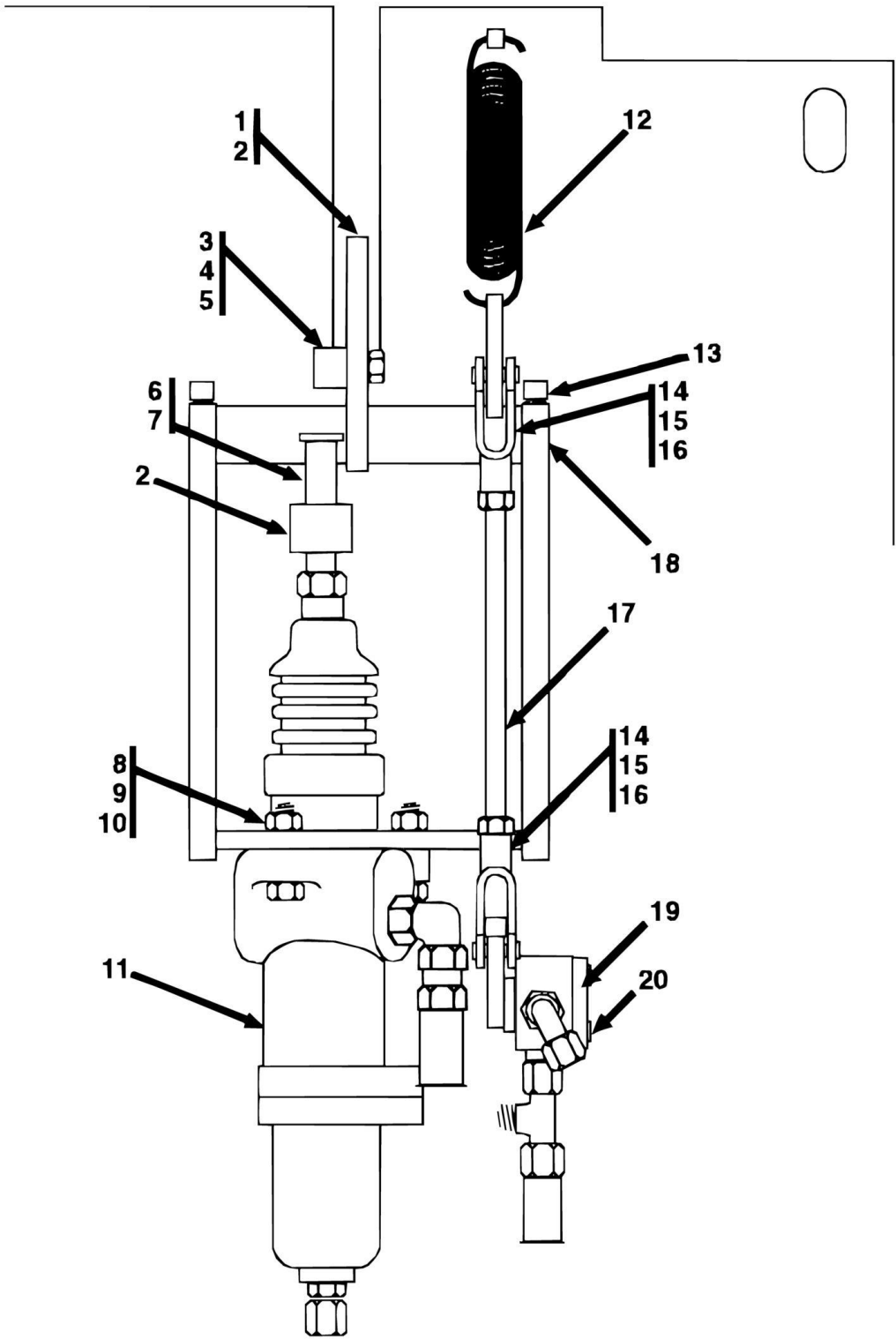
SECTION 6 - CONTROLS

FIGURE 6-1. TILT AND SWAY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91083107	1	REMOTE CONTROL VALVE	
2	88261022	4	HEX SOC BUT HD CAPSCREW, 5/16-18X3/4	
3	91083393	2	CONTROL CABLE	
4	91086089	1	BRACKET	
5	88521304	3	HEX LOCKNUT, 1/4-20	
6	91143191	3	HEX HD CAPSCREW, 1/4-20X4-1/2	
7	91123062	2	CABLE ADAPTER	
8	91084282	1	KNOB	
9	91084359	1	BOOT	

SECTION 6 - CONTROLS

FIGURE 6-2. BRAKE AND INCHING LINKAGE (SN 0344001 to Present, SN 0266001 to Present)



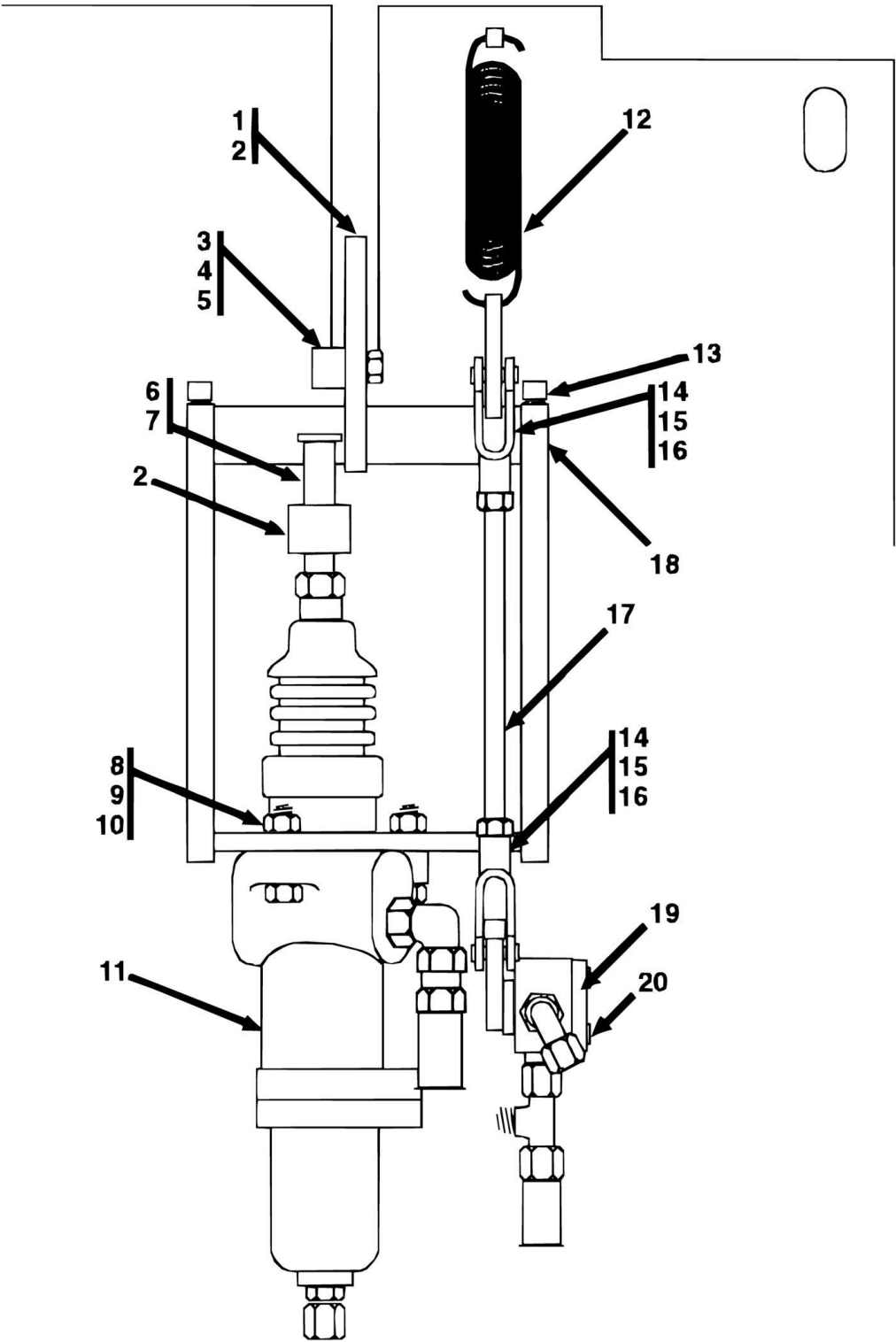
SECTION 6 - CONTROLS

FIGURE 6-2. BRAKE AND INCHING LINKAGE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91086090	1	BRAKE PEDAL	
2	91083136	4	BUSHING	
3	91083312	1	CAM ROLLER	
4	88551010	1	LOCKWASHER, 5/16	
5	88501405	1	JAM NUT, 5/16-24	
6	91081445	1	PUSH ROD	
7	88501408	1	JAM NUT, 1/2-20	
8	88201022	3	HEX HD CAPSCREW, 5/16-18 x 1 1/2	
9	88551010	3	LOCKWASHER, 5/16	
10	88501005	3	HEX NUT, 5/16-18	
11		Ref	BRAKE VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
12	91043286	1	SPRING	
13	88441001	2	SQ HD SETSCREW	
14	88501406	2	JAM NUT, 3/8-24	
15	88821004	2	YOKE END	
16	90027987	2	CLEVIS PIN	
17	91081332	1	LINKAGE ROD	
18	90200284	2	SHAFT	
19		Ref	INCHING VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20	88212228	2	SOCKET HD CAPSCREW	

SECTION 6 - CONTROLS

FIGURE 6-3. BRAKE AND INCHING LINKAGE (SN 0344394 to Present, SN 0266057 to Present)



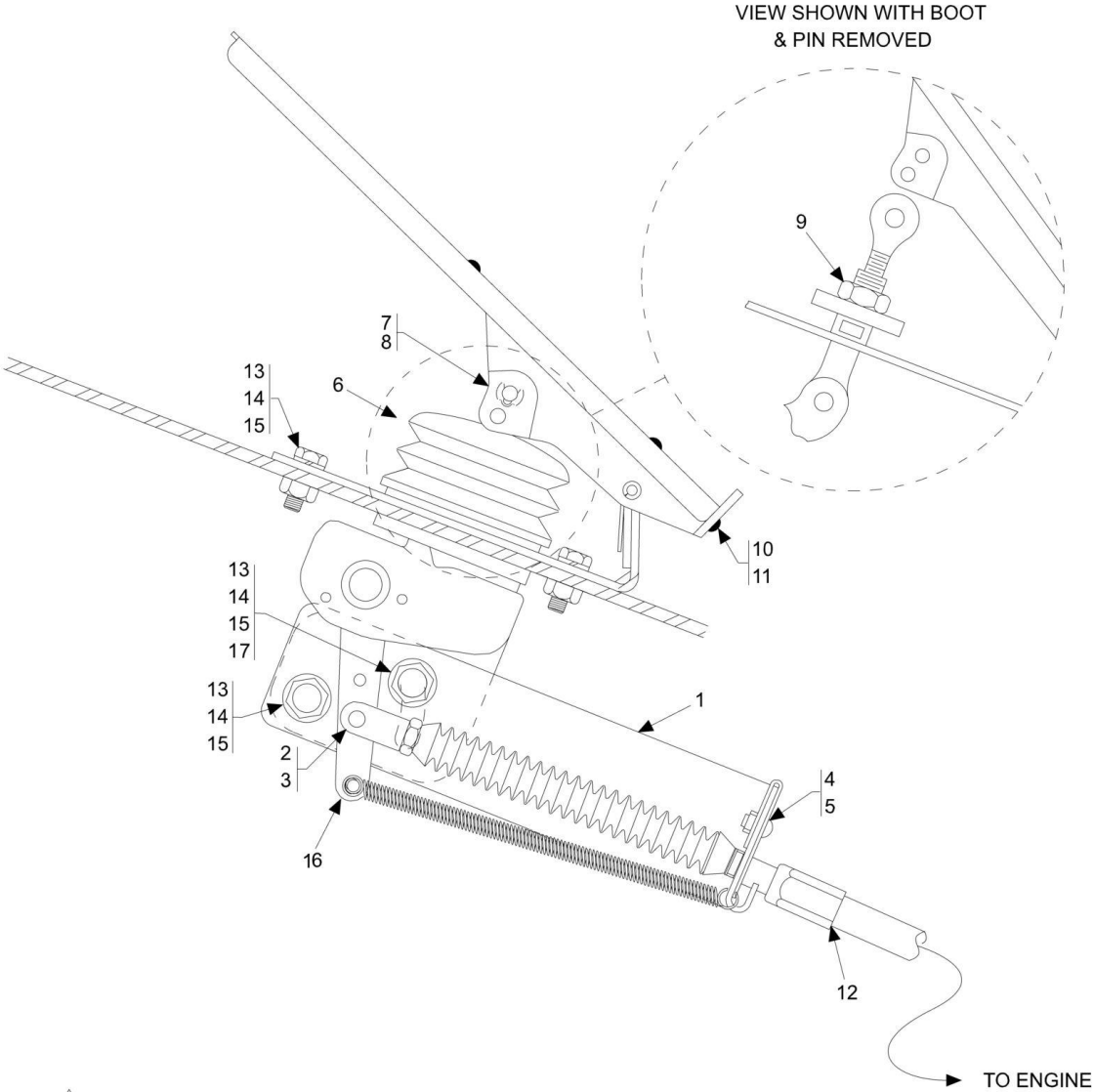
SECTION 6 - CONTROLS

FIGURE 6-3. BRAKE AND INCHING LINKAGE (SN 0344394 to Present, SN 0266057 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91146059	1	BRAKE PEDAL	
2	91083136	4	BUSHING	
3	91083312	1	CAM ROLLER	
4	88551010	1	LOCKWASHER, 5/16	
5	88501405	1	JAM NUT, 5/16-24	
6	91081445	1	PUSH ROD	
7	88501408	1	JAM NUT, 1/2-20	
8	88201022	3	HEX HD CAPSCREW, 5/16-18 x 1 1/2, GR5	
9	88551010	3	LOCKWASHER, 5/16	
10	88501005	3	HEX NUT, 5/16-18	
11		Ref	BRAKE VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
12	91043214	1	SPRING	
13	88441001	2	SQUARE HD SETSCREW, 1/4-20X1/2IN	
14	88501406	2	JAM NUT, 3/8-24	
15	88821004	2	YOKE END	
16	90027987	2	CLEVIS PIN	
17	91081332	1	LINKAGE ROD	
18	90200284	2	SHAFT	
19		Ref	INCHING VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20	88212228	1	SOC HD CAP SCR,5/16-18 X 1 LG	

SECTION 6 - CONTROLS

FIGURE 6-4. (91143118) ACCELERATOR PEDAL ASSEMBLY (SN 0344001 through 0444002, SN 0266001 through 0266106)



THIS ASSEMBLY COMES WITH A DIFFERENT CABLE SUPPORT, (item 1, not shown). THE CABLE SUPPORT SHOWN IS THE PROPER REPLACEMENT AND NEEDS TO BE ORDERED SEPARATELY.

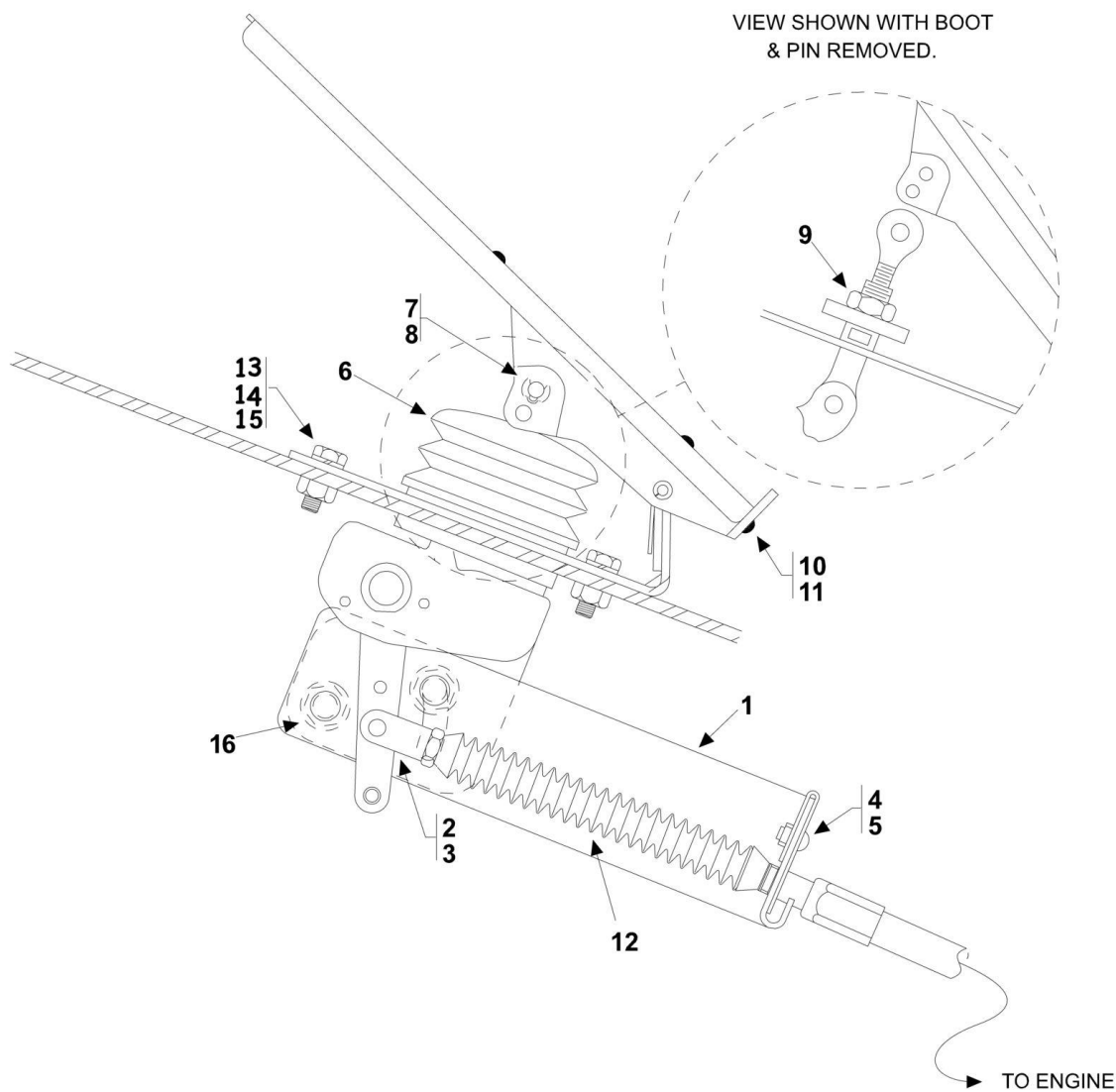
SECTION 6 - CONTROLS

FIGURE 6-4. (91143118) ACCELERATOR PEDAL ASSEMBLY (SN 0344001 through 0444002, SN 0266001 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143118	1	ACCELERATOR PEDAL ASSY, (includes items 2 thru 11)	
	91144196	1	CABLE ATTACH KIT,(includes items 2 thru 5)	
	91144197	1	BOOT KIT, (includes items 6 thru 9)	
	91144198	1	HEEL REST KIT, (includes items 10 & 11)	
1	91121210	1	CABLE SUPPORT	
2	Kit	1	CLEVIS	
3	Kit	1	PIN	
3	Kit	1	HAIRPIN COTTER, (not shown)	
4	Kit	1	LOCK PLATE	
5	Kit	1	CAPSCREW	
6	Kit	1	BOOT	
7	Kit	1	PIN	
8	Kit	1	HAIRPIN COTTER	
9	Kit	1	JAM NUT	
10	Kit	1	HEEL REST	
11	Kit	2	SCREW, (self tapping)	
12		Ref	THROTTLE CABLE, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
13	88201003	5	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
14	88551009	5	LOCKWASHER ,1/4	
15	88501004	5	HEX NUT, 1/4-20	
16	91163259	1	SPRING	
17	88561107	1	FLAT WASHER, 1/4	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	
		Ref	REVISED ILLUSTRATION, INCLUSION NOTE ON ACCELERATOR PEDAL ASSY, QUANTITY ON ITEMS 13, 14 & 15 AND REVISED PART NUMBER ON ITEM 16; REMOVED CABLE SUPORT BRACKET KIT; ADDED ITEM 17.	

SECTION 6 - CONTROLS

FIGURE 6-5. (91143342) ACCELERATOR PEDAL ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



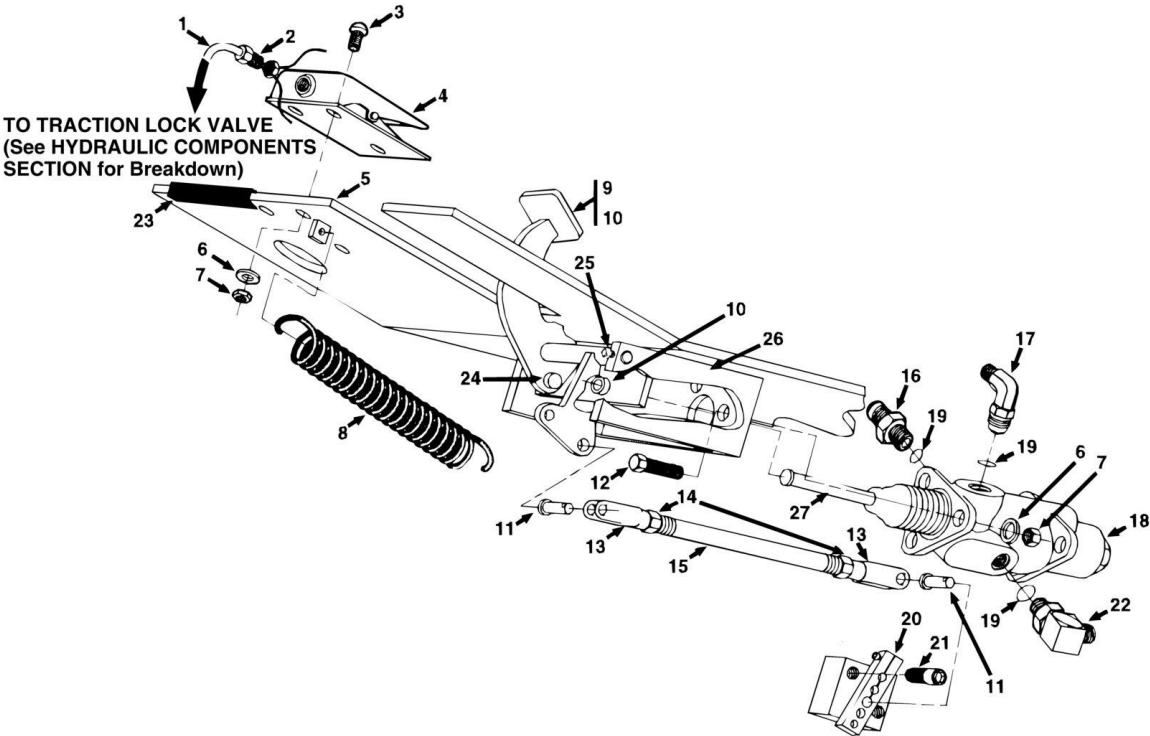
SECTION 6 - CONTROLS

FIGURE 6-5. (91143342) ACCELERATOR PEDAL ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143342	1	ACCELERATOR PEDAL ASSY, (includes items 1 thru 11 & 16)	
	91144431	1	CABLE SUPPORT BRACKET KIT, (includes items 1 & 16)	
	91144432	1	CABLE ATTACH KIT, (includes items 2 thru 5)	
	91144197	1	BOOT KIT, (includes items 6 thru 9)	
	91144433	1	HEEL REST KIT, (includes items 10 & 11)	
1	Kit	1	CABLE SUPPORT	
2	Kit	1	CLEVIS	
3	Kit	1	PIN	
3	Kit	1	HAIRPIN COTTER, (not shown)	
4	Kit	1	LOCK PLATE	
5	Kit	1	CAPSCREW	
6	Kit	1	BOOT	
7	Kit	1	PIN	
8	Kit	1	HAIRPIN COTTER	
9	Kit	1	JAM NUT	
10	Kit	1	HEEL REST	
11	Kit	2	SCREW, (self tapping)	
12		Ref	THROTTLE 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	88501004	3	HEX NUT, 1/4-20	
16	Kit	2	FLANGE NUT	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	
		Ref	REVISED ILLUSTRATION, INCLUSION NOTES ON ACCELERATOR PEDAL ASSY AND CABLE SUPPORT BRACKET KIT AND REVISED ITEM 16; REMOVED NOTE ABOVE PART LIST AND PART NUMBER ON ITEM 1.	

SECTION 6 - CONTROLS

FIGURE 6-6. (91145103) FLOORPLATE ASSY (SN 0344001 to Present, SN 0266001 to Present)



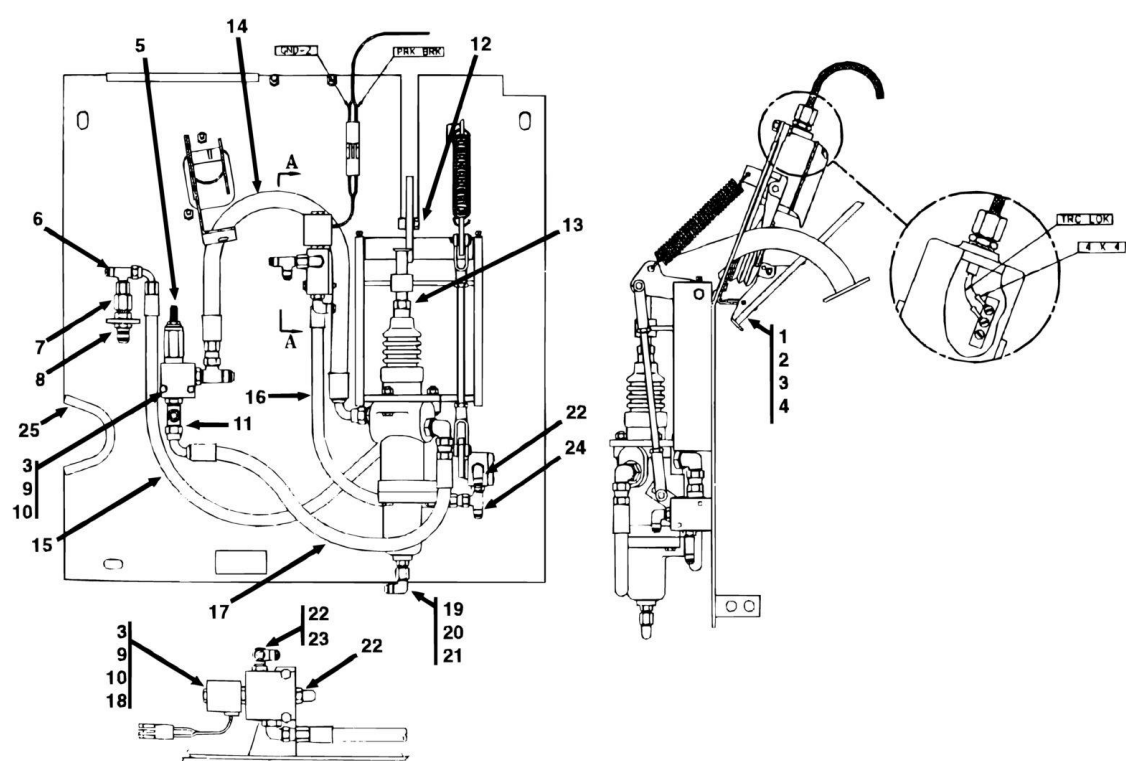
SECTION 6 - CONTROLS

FIGURE 6-6. (91145103) FLOORPLATE ASSY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145103	1	FLOORPLATE ASSY (includes all items See FLOORPLATE ASSY for Breakdown)	
1	91143193	1	DASH HARNESS	
2	91143141	1	CORD CONNECTOR	
3	88261024	3	BUTTON HD CAPSCREW	
4	91083311	1	FOOT SWITCH	
5	91146130	1	FLOORPLATE WELDMENT	
6	88551010	7	LOCKWASHER, 5/16	
7	88501005	6	HEX NUT, 5/16-18 x 1	
8	91043286	1	SPRING	
9	91086090	1	BRAKE PEDAL	
10	91083136	4	BUSHING	
11	90027987	2	CLEVIS PIN	
12	88661022	3	HEX HD CAPSCREW, 5/16-18 x 1 1/2	
13	88821004	2	YOKE END	
14	88501406	2	JAM NUT	
15	91081332	1	LINKAGE ROD	
16	88662019	1	CONNECTOR (includes item 19)	
17	91083310	1	ELBOW, 90, (includes item 19)	
18		Ref	BRAKE VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	88591206	3	O-RING	
20		Ref	INCHING VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88212228	2	SOC HD CAP SCR,5/16-18 X 1 LG	
22	88662059	1	ELBOW, 90, (includes item 19)	
23	90206198	AR	TRIM-LOK	
24	91083312	1	CAM ROLLER	
25	88441001	2	SQUARE HD SET SCREW	
26	90200284	1	SHAFT	
27	91081445	1	PUSH ROD	
	Note	1	NOTE:ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 6 - CONTROLS

FIGURE 6-7. (91145103) FLOORPLATE ASSY (SN 0344001 to Present, SN 0266001 to Present)



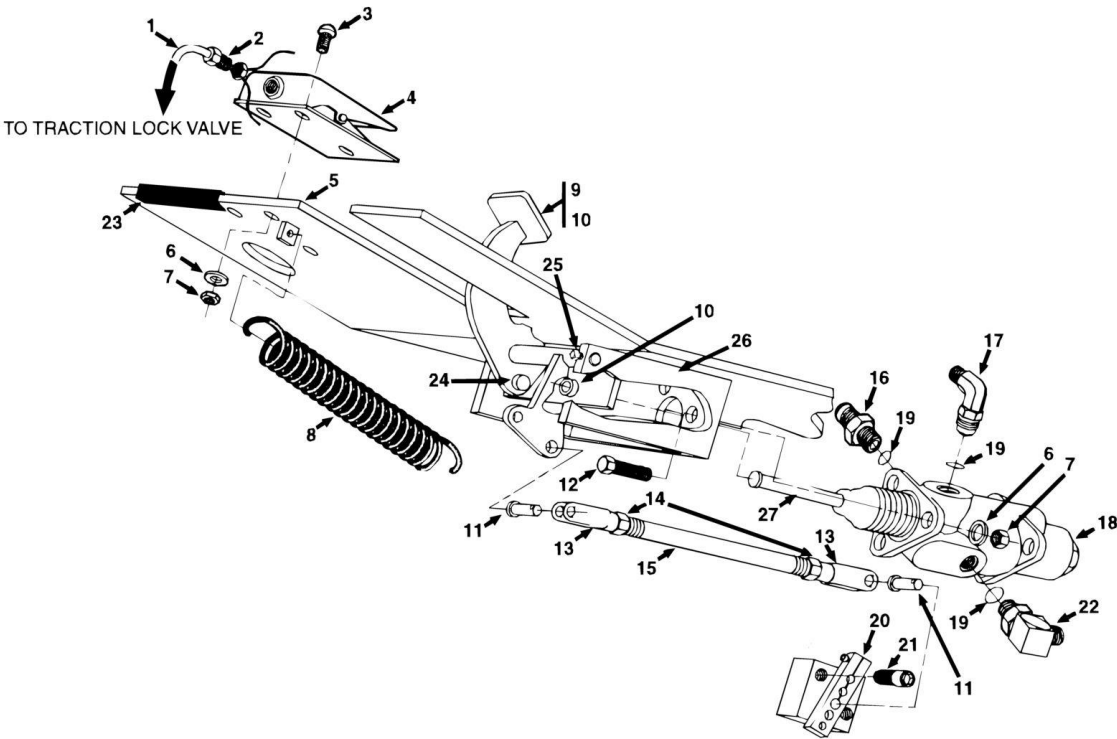
SECTION 6 - CONTROLS

FIGURE 6-7. (91145103) FLOORPLATE ASSY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145103	1	FLOOR PLATE ASSY (includes all items See FLOORPLATE ASSY for Breakdown)	
1	91143118	1	ACCELERATOR CONTROL ASSY	
2	88201003	3	HEX HD CAPSCREW, 1/4-20 x 3/4	
3	88551009	7	LOCKWASHER, 1/4	
4	88501004	3	HEX NUT, 1/4-20	
5	91143171	1	RELIEF VALVE	
6	88662224	1	BRANCH TEE (swivel nut)	
7	86883469	1	REDUCER	
8	88661085	1	BULK HEAD UNION, 3/4-16 x 1/2 TUBE	
9	88201008	4	HEX HD CAPSCREW, 1/4-20 x 1 3/4	
10	88561107	4	FLATWASHER, 1/4	
11	88662140	2	RUN TEE, (includes o-ring)	
11	88591205	2	O-RING	
12	88501405	1	JAM NUT, 5/16-24	
13	88501408	1	JAM NUT, 1/2-20	
14	84718548	1	HOSE ASSY	
15	84718496	1	HOSE ASSY	
16	84717889	1	HOSE ASSY	
17	84718467	1	HOSE ASSY	
18		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	88662105	1	ELBOW, 90	
20	83633002	1	CONNECTOR	
21	90207856	1	COPPER GASKET	
22	88662064	3	ELBOW, 90, (includes o-ring)	
22	88591204	3	O-RING	
23	88662239	1	SWIVEL NUT RUN TEE	
24	88662139	1	RUN TEE (includes o-ring)	
24	88591204	1	O-RING	
25	90206198	AR	TRIM-LOK	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 6 - CONTROLS

FIGURE 6-8. (91145104) FLOORPLATE ASSY (SN 0344394 through 0444002, SN 0266057 through 0266106)



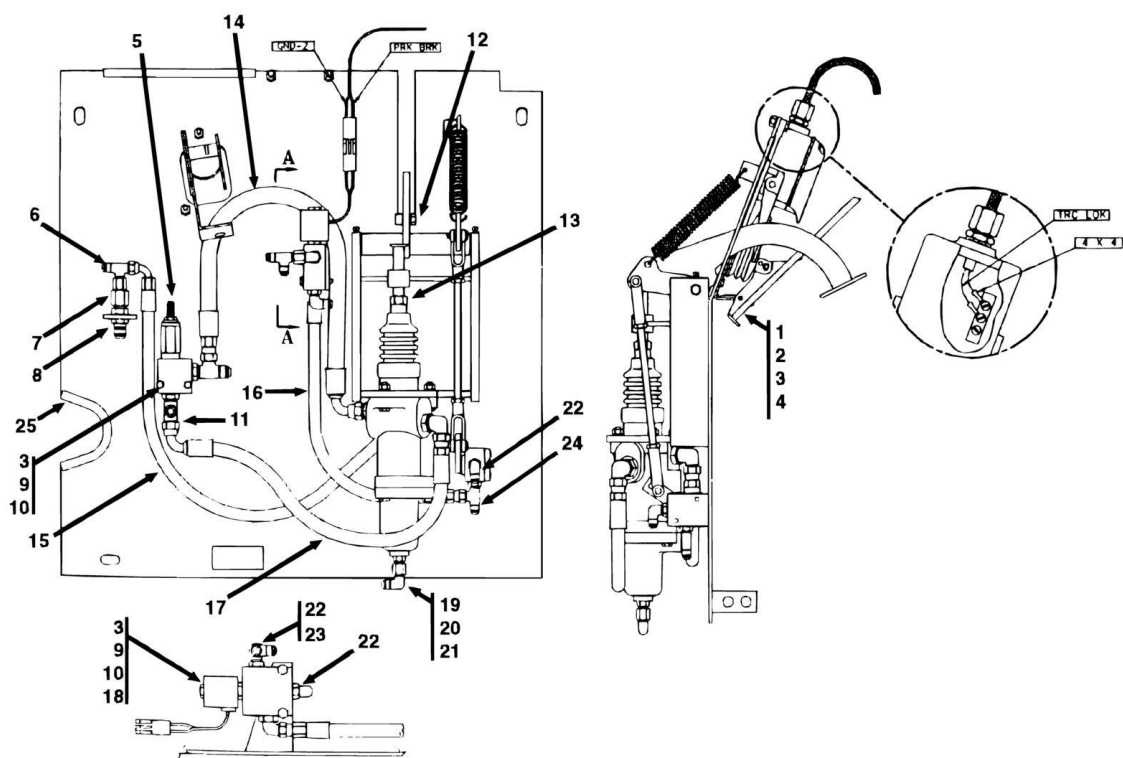
SECTION 6 - CONTROLS

FIGURE 6-8. (91145104) FLOORPLATE ASSY (SN 0344394 through 0444002, SN 0266057 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145104	1	FLOOR PLATE ASSY (includes all items See FLOORPLATE ASSY for Breakdown)	
1	91143193	1	DASH HARNESS	
2	91143141	1	CORD CONNECTOR	
3	88261024	3	BUTTON HD CAPSCREW, 5/16-18X1	
4	91083311	1	FOOT SWITCH	
5	91146131	1	FLOOR PLATE WELDMENT	
6	88551010	6	LOCKWASHER, 5/16	
7	88501005	6	HEX NUT, 5/16-18 x 1	
8	91043214	1	SPRING	
9	91146059	1	BRAKE PEDAL	
10	91083136	4	BUSHING	
11	90027987	2	CLEVIS PIN	
12	88661022	3	HEX HD CAPSCREW, 5/16-18 x 1 1/2, GR5	
13	88821004	2	YOKE END	
14	88501406	2	JAM NUT, 3/8-24	
15	91081332	1	LINKAGE ROD	
16	88662019	1	CONNECTOR (includes item 19)	
17	91083310	1	ELBOW, 90, (includes item 19)	
18		Ref	BRAKE VALVE (See (91143201) BRAKE VALVE, SN 0344394 for Breakdown)	
19	88591206	3	O-RING	
20		Ref	INCHING VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88212228	2	SOC HD CAP SCR,5/16-18 X 1 LG	
22	88662059	1	ELBOW, 90, (includes item 19)	
23	90206198	AR	TRIM-LOK	
24	91083312	1	CAM ROLLER	
25	88441001	2	SQUARE HD SET SCREW, 1/4-20X1/2	
26	90200284	1	SHAFT	
27	91081445	1	PUSH ROD	

SECTION 6 - CONTROLS

FIGURE 6-9. (91145104) FLOORPLATE ASSY (SN 0344394 through 0444002, SN 0266057 through 0266106)



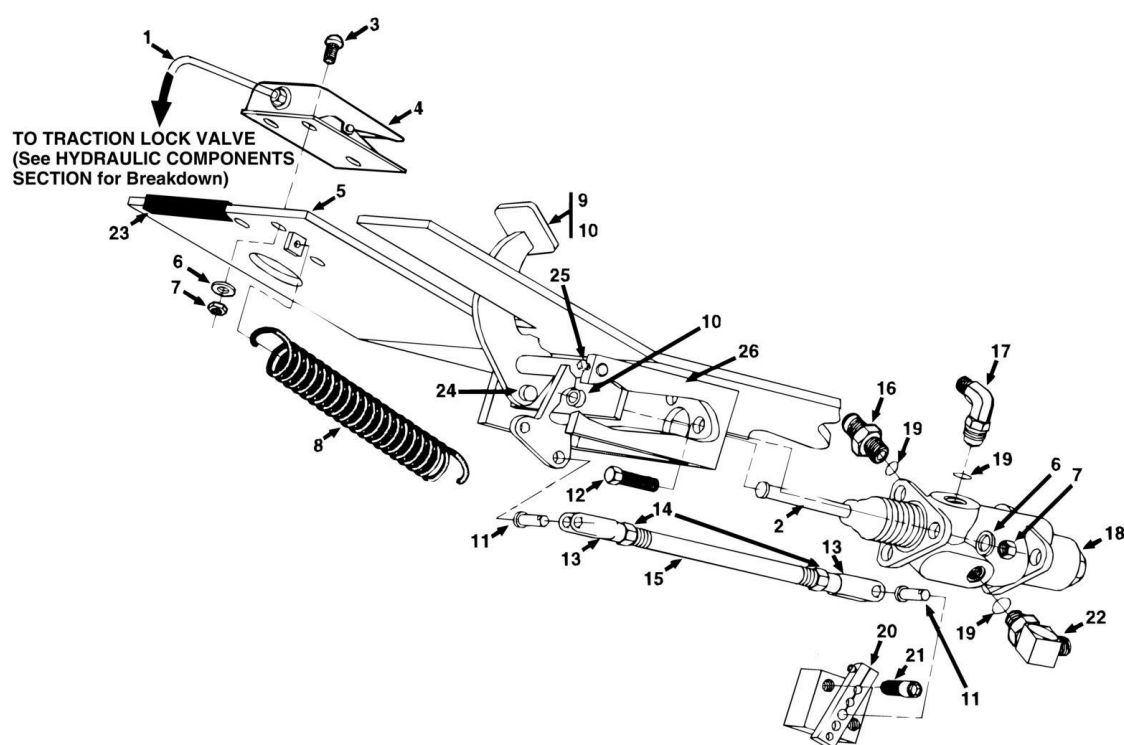
SECTION 6 - CONTROLS

FIGURE 6-9. (91145104) FLOORPLATE ASSY (SN 0344394 through 0444002, SN 0266057 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145104	1	FLOOR PLATE ASSY (includes all items See FLOORPLATE ASSY for Breakdown)	
1		Ref	ACCELERATOR CONTROL ASSY (See ACCELERATOR PEDAL ASSEMBLY for Breakdown)	
2	88201003	3	HEX HD CAPSCREW, 1/4-20 x 3/4, GR5	
3	88551009	7	LOCKWASHER, 1/4	
4	88501004	3	HEX NUT, 1/4-20	
5	91143200	1	RELIEF VALVE	
6	88662224	1	BRANCH TEE (swivel nut)	
7	86883469	1	REDUCER	
8	88661085	1	BULKHEAD UNION, 3/4-16 x 1/2 TUBE	
9	88201008	4	HEX HD CAPSCREW, 1/4-20 x 1-3/4, GR5	
10	88561107	4	FLAT WASHER, 1/4	
11	88662140	2	RUN TEE, (includes o-ring)	
11	88591205	2	O-RING	
12	88501405	1	JAM NUT, 5/16-24	
13	88501408	1	JAM NUT, 1/2-20	
14	84718548	1	HOSE ASSY	
15	84718496	1	HOSE ASSY	
16	84717889	1	HOSE ASSY	
17	84718497	1	HOSE ASSY	
18		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	88662105	1	ELBOW, 90	
20	83633002	1	CONNECTOR	
21	90207856	1	COPPER GASKET	
22	88662064	4	ELBOW, 90, (includes o-ring)	
22	88591204	4	O-RING	
23	88662239	1	SWIVEL NUT RUN TEE	
24	88662139	1	RUN TEE (includes o-ring)	
24	88591204	1	O-RING	
25	90206198	AR	TRIM-LOK	

SECTION 6 - CONTROLS

FIGURE 6-10. (91145104) FLOORPLATE ASSY (SN 0444003 to Present, SN 0266107 to Present)



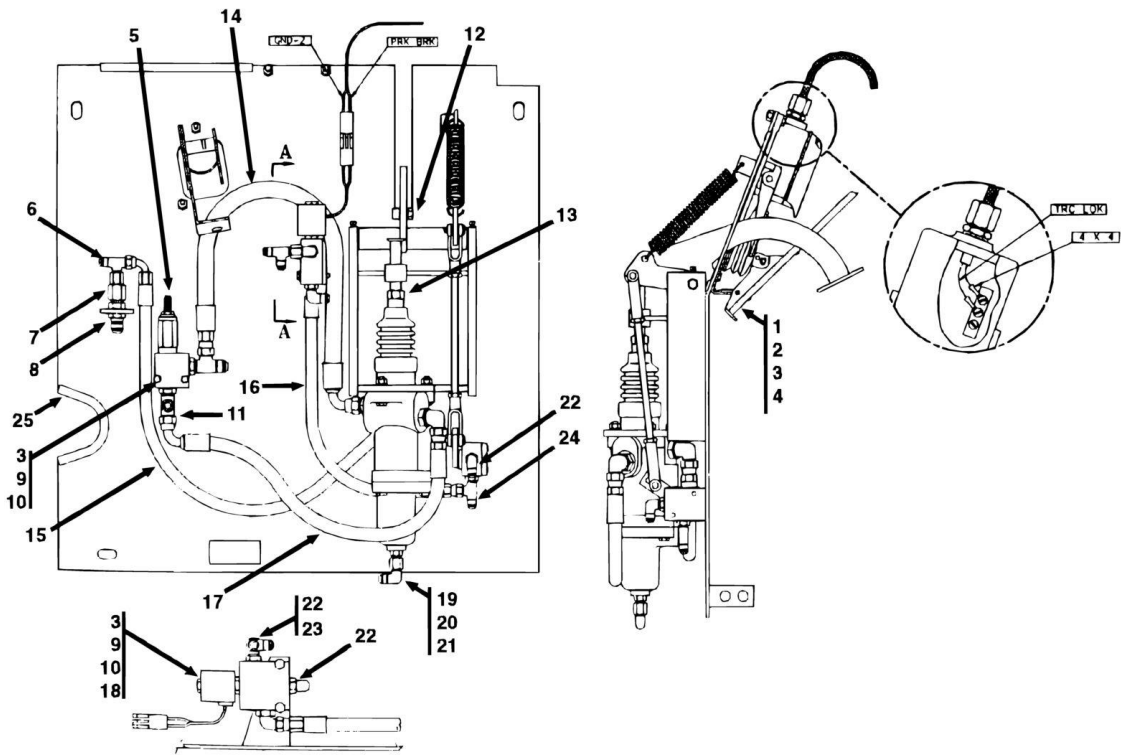
SECTION 6 - CONTROLS

FIGURE 6-10. (91145104) FLOORPLATE ASSY (SN 0444003 to Present, SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145104	1	FLOORPLATE ASSY (includes all items See FLOORPLATE ASSY for Breakdown)	
1	91143349	1	DASH HARNESS	
2	91081445	1	PUSH ROD	
3	88261024	3	BUTTON HD CAPSCREW, 5/16-18X1	
4	91163093	1	FOOT SWITCH	
5	91146131	1	FLOORPLATE WELDMENT	
6	88551010	6	LOCKWASHER, 5/16	
7	88501005	6	HEX NUT, 5/16-18 x 1	
8	91043214	1	SPRING	
9	91146059	1	BRAKE PEDAL	
10	91083136	4	BUSHING	
11	90027987	2	CLEVIS PIN	
12	88661022	3	HEX HD CAPSCREW, 5/16-18 x 1 1/2, GR5	
13	88821004	2	YOKE END	
14	88501406	2	JAM NUT, 3/8-24	
15	91081332	1	LINKAGE ROD	
16	88662019	1	CONNECTOR (includes item 19)	
17	91083310	1	ELBOW, 90, (includes item 19)	
18		Ref	BRAKE VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	88591206	3	O-RING	
20		Ref	INCHING VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88212228	2	SOC HD CAP SCR,5/16-18 X 1 LG	
22	88662059	1	ELBOW, 90, (includes item 19)	
23	90206198	AR	TRIM-LOK	
24	91083312	1	CAM ROLLER	
25	88441001	2	SQUARE HD SET SCREW, 1/4-20X1/2	
26	90200284	1	SHAFT	

SECTION 6 - CONTROLS

FIGURE 6-11. (91145104) FLOORPLATE ASSY (SN 0444003 to Present, SN 0266107 to Present)



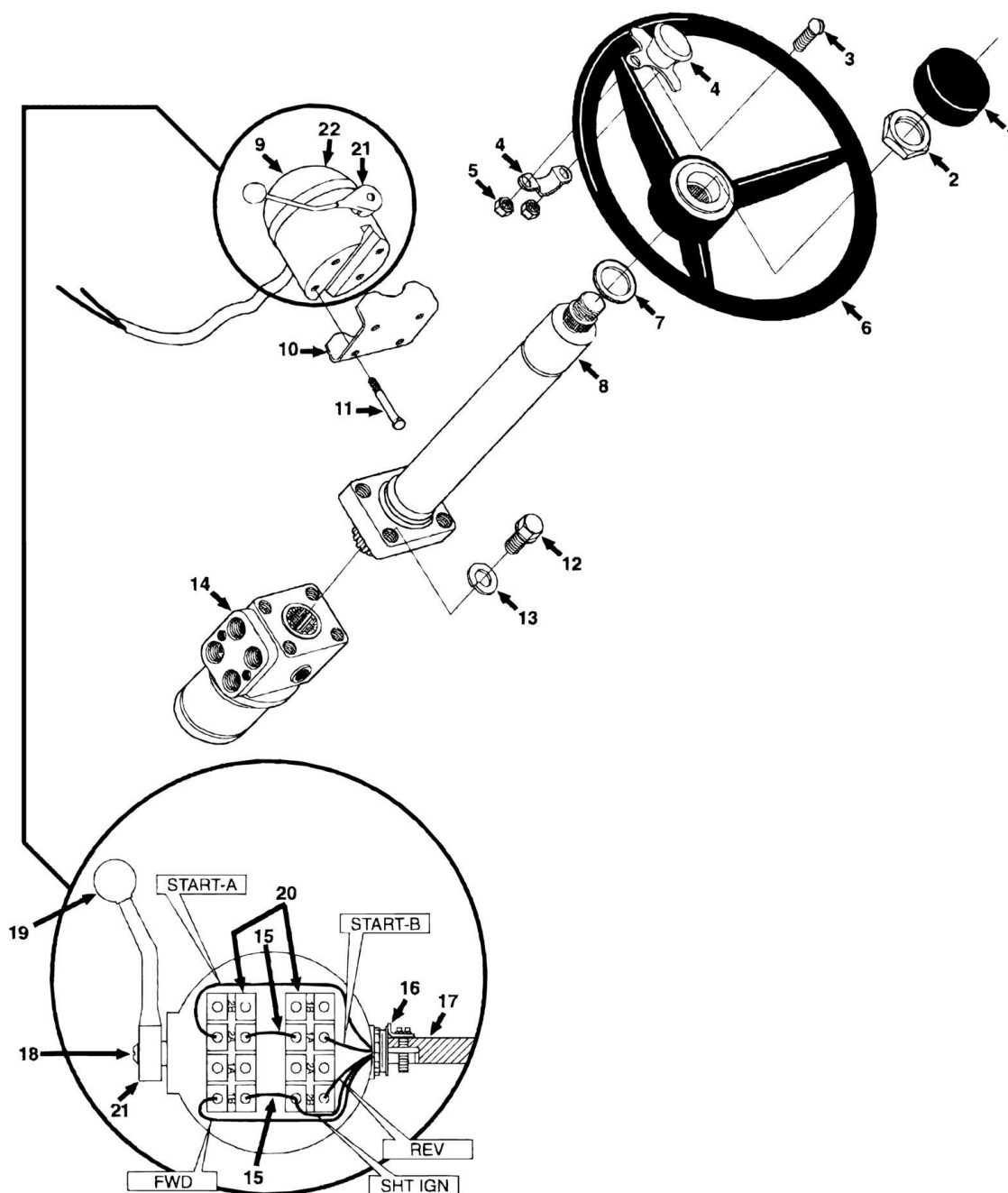
SECTION 6 - CONTROLS

FIGURE 6-11. (91145104) FLOORPLATE ASSY (SN 0444003 to Present, SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145104	1	FLOOR PLATE ASSY (includes all items See FLOORPLATE ASSY for Breakdown)	
1		Ref	ACCELERATOR CONTROL ASSY (See ACCELERATOR PEDAL ASSEMBLY for Breakdown)	
2	88201003	3	HEX HD CAPSCREW, 1/4-20 x 3/4, GR5	
3	88551009	7	LOCKWASHER, 1/4	
4	88501004	3	HEX NUT, 1/4-20	
5	91143200	1	RELIEF VALVE	
6	88662224	1	BRANCH TEE (swivel nut)	
7	86883469	1	REDUCER	
8	88661085	1	BULKHEAD UNION, 3/4-16 x 1/2 TUBE	
9	88201008	4	HEX HD CAPSCREW, 1/4-20 x 1-3/4, GR5	
10	88561107	4	FLAT WASHER, 1/4	
11	88662140	2	RUN TEE, (includes o-ring)	
11	88591205	2	O-RING	
12	88501405	1	JAM NUT, 5/16-24	
13	88501408	1	JAM NUT, 1/2-20	
14	84718548	1	HOSE ASSY	
15	84718496	1	HOSE ASSY	
16	84717889	1	HOSE ASSY	
17	84718497	1	HOSE ASSY	
18		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	88662105	1	ELBOW, 90	
20	83633002	1	CONNECTOR	
21	90207856	1	COPPER GASKET	
22	88662064	4	ELBOW, 90, (includes o-ring)	
22	88591204	4	O-RING	
23	88662239	1	SWIVEL NUT RUN TEE	
24	88662139	1	RUN TEE (includes o-ring)	
24	88591204	1	O-RING	
25	90206198	AR	TRIM-LOK	

SECTION 6 - CONTROLS

FIGURE 6-12. STEERING COLUMN AND ATTACHING PARTS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)



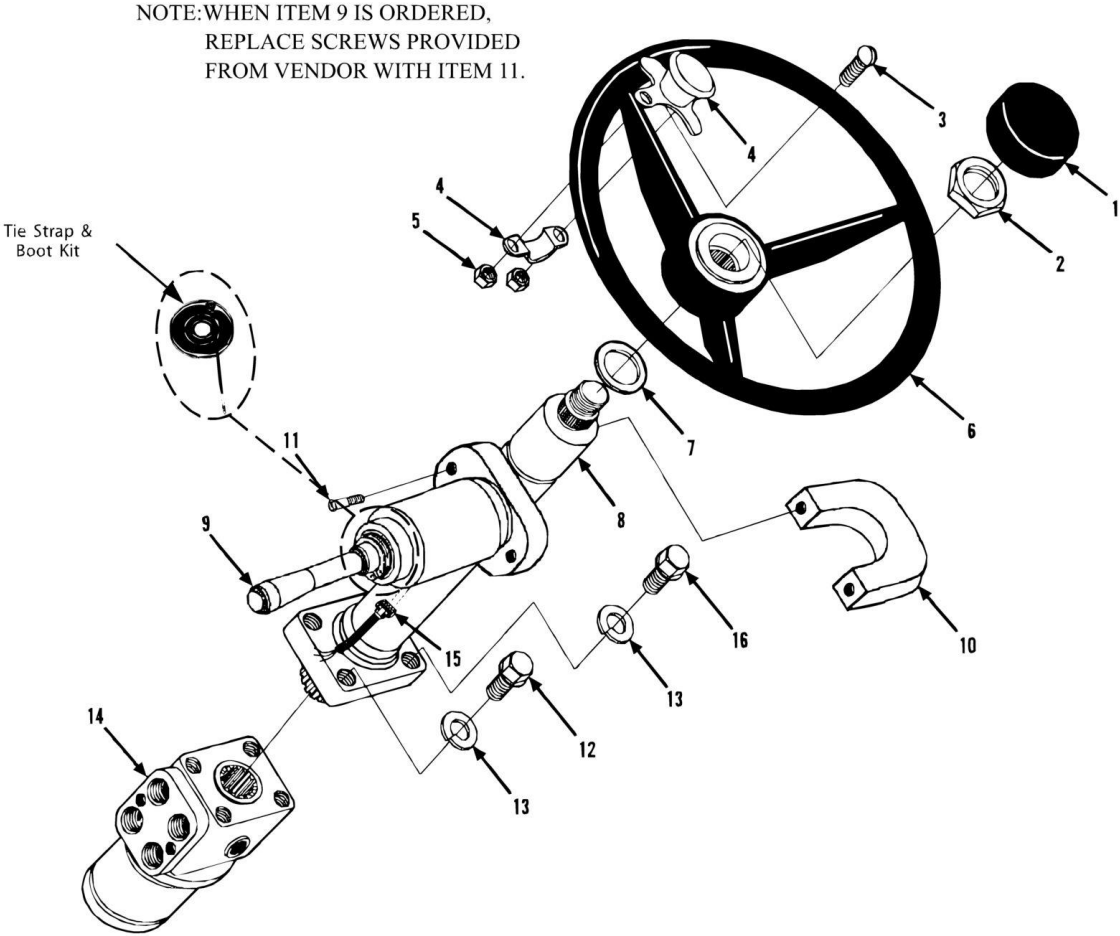
SECTION 6 - CONTROLS

**FIGURE 6-12. STEERING COLUMN AND ATTACHING PARTS (534C-9 SN 0344001 through 0444002;
534C-10 SN 0266001 through 0266106)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145030	1	FWD/REV MASTER SWITCH ASSY (includes items 9 & 15 thru 21)	
	91144190	Ref	STEERING CONTROL UNIT SEAL KIT	
1	90600274	1	STEERING CAP	
2	91144191	1	STEERING WHEEL NUT	
3	88301311	2	FLAT HD MACHINE SCREW, 1/4-20 x 1	
4	90202230	1	SPINNER KNOB	
5	88501616	2	HEX NUT, 1/4-20	
6	90600273	1	STEERING WHEEL	
7	91144192	1	WASHER	
8	91143022	1	STEERING COLUMN	
9	91083081	1	FWD/REV MASTER SWITCH (includes items 15 thru 22)	
10	91081264	1	BRACKET	
11	88201008	4	CAPSCREW, 1/4-20 x 1 3/4, GR5	
12	88201035	4	HEX HD CAPSCREW, 3/8-16 x 1	
13	88551011	4	LOCKWASHER, 3/8	
14	91143020	1	STEERING CONTROL UNIT	
14	91124093	1	CHECK VALVE	
15	Bulk	4 in	WIRE	
16	91083235	1	ROMEX CONNECTOR	
17	91143134	1	FWD/REV HARNESS	
18	91083491	1	GASKETED SCREW	
19	91084240	1	KNOB	
20	91084268	2	FWD/REV SWITCH	
21	91084345	1	HANDLE ASSY W/KNOB	
22	91144447	1	END COVER	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 6 - CONTROLS

FIGURE 6-13. STEERING COLUMN AND ATTACHING PARTS STARTING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



SECTION 6 - CONTROLS

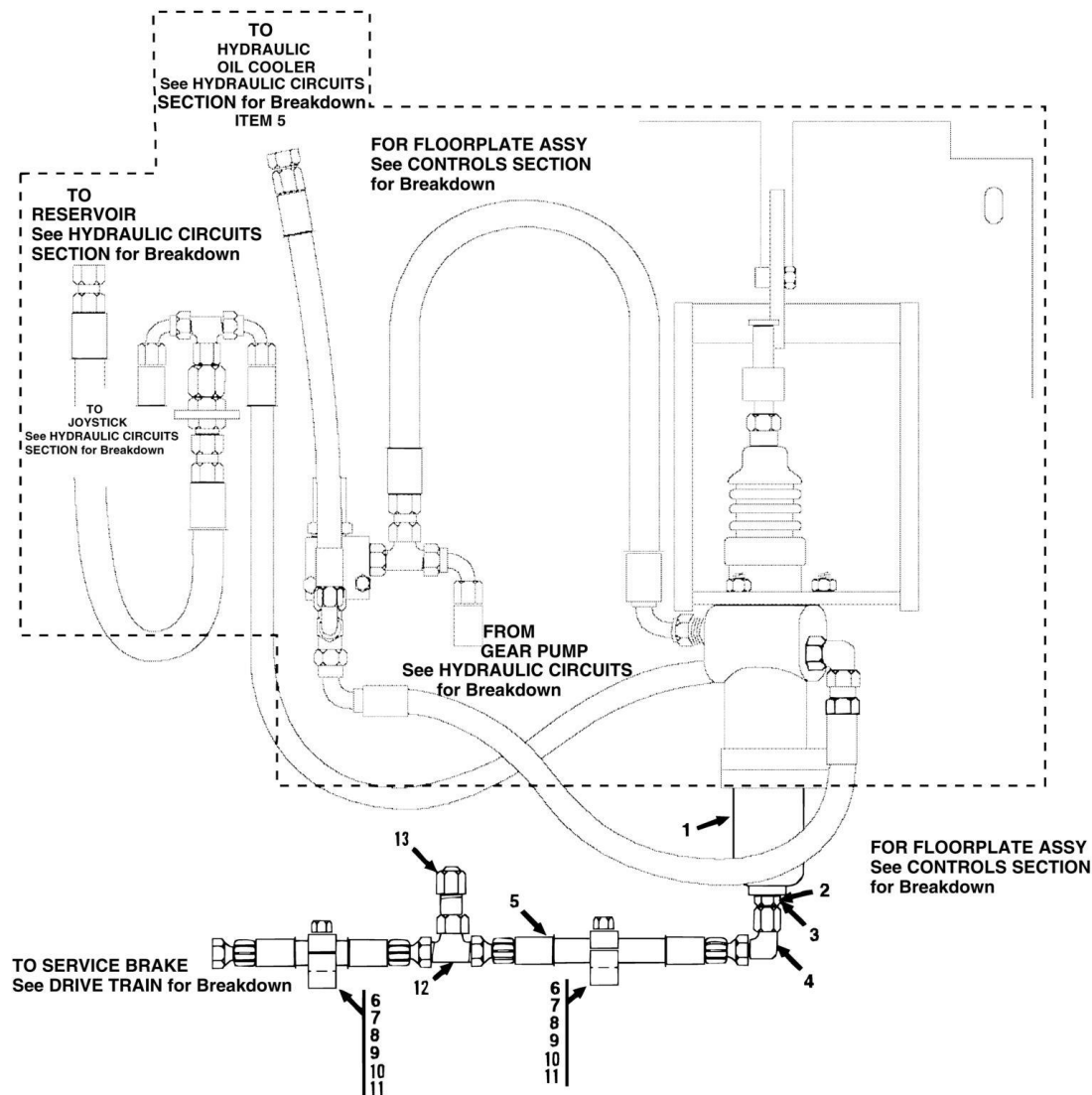
FIGURE 6-13. STEERING COLUMN AND ATTACHING PARTS STARTING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91144190	Ref	STEERING CONTROL UNIT SEAL KIT	
	91144448	1	TIE STRAP AND BOOT KIT	
1	90600274	1	STEERING CAP	
2	91144191	1	STEERING WHEEL NUT	
3	88301311	2	FLAT HD MACHINE SCREW, 1/4-20X1	
4	90202230	1	SPINNER KNOB	
5	88501616	2	HEX NUT, 1/4-20	
6	90600273	1	STEERING WHEEL	
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, GR5	
13	88551011	4	LOCKWASHER, 3/8	
14	91123126	1	STEERING CONTROL UNIT	
15	91143349	1	DASH WIRING HARNESS	
16	88201033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE	

SECTION 7 - BRAKES

SECTION 7 - BRAKES

FIGURE 7-1. SERVICE BRAKE LINES (SN 0344001 to Present, SN 0266001 to Present)



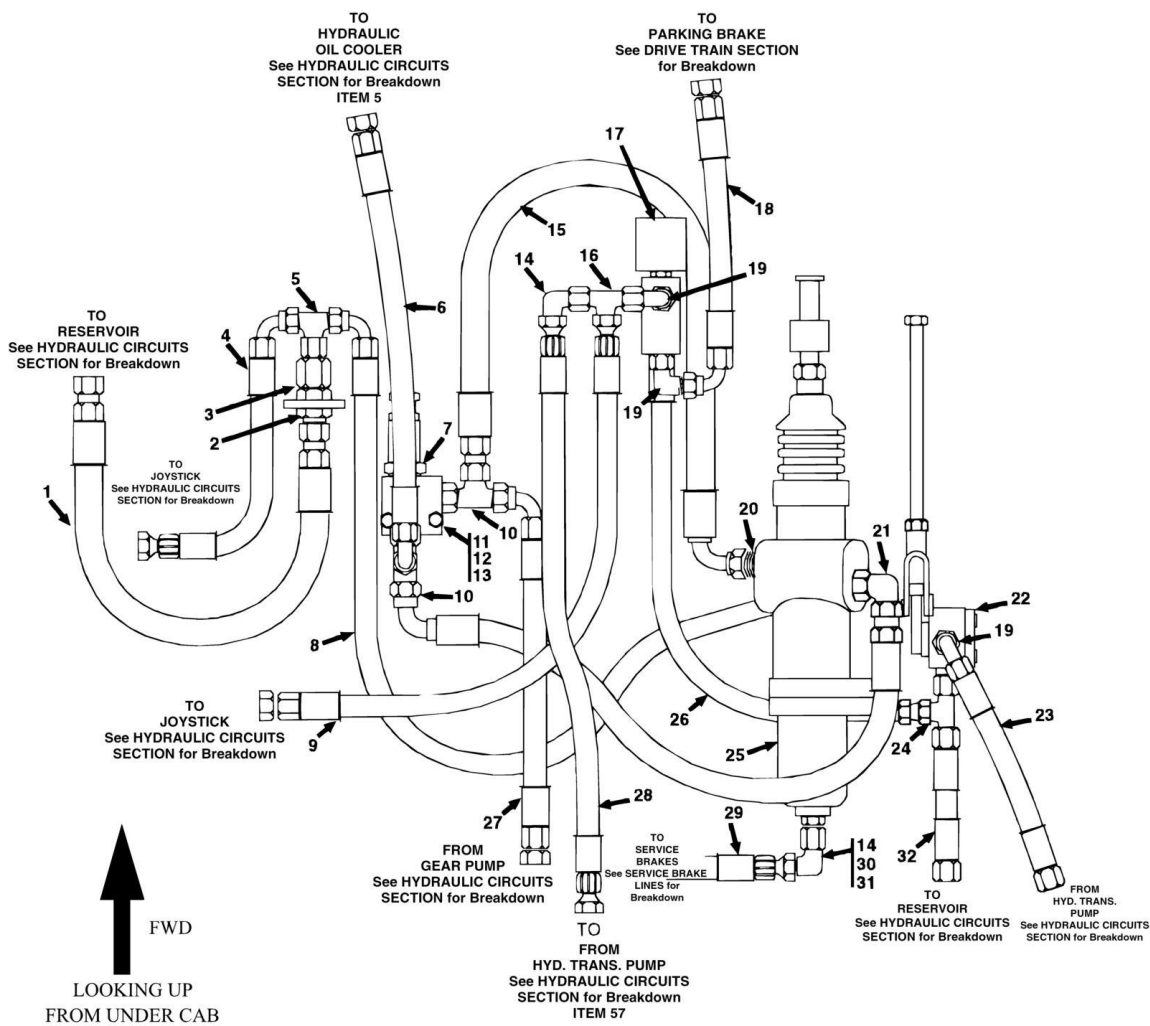
SECTION 7 - BRAKES

FIGURE 7-1. SERVICE BRAKE LINES (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	BRAKE VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	90207856	1	COPPER GASKET	
3	83633002	1	MALE CONNECTOR	
4	88662105	1	ELBOW, 90, (swivel nut)	
5	84717641	1	HOSE ASSY	
6	77323029	2	CLAMP SET	
7	77133168	2	CLAMP SET	
8	77133137	2	COVER	
9	77133389	2	STACK BOLT	
10	88201023	2	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
11	77133390	2	SAFETY CLIP	
12	88661305	1	UNION TEE, 3/8 TUBE	
13	91143172	1	MINI CHECK VALVE	

SECTION 7 - BRAKES

FIGURE 7-2. INCHING AND PARKING BRAKE LINES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



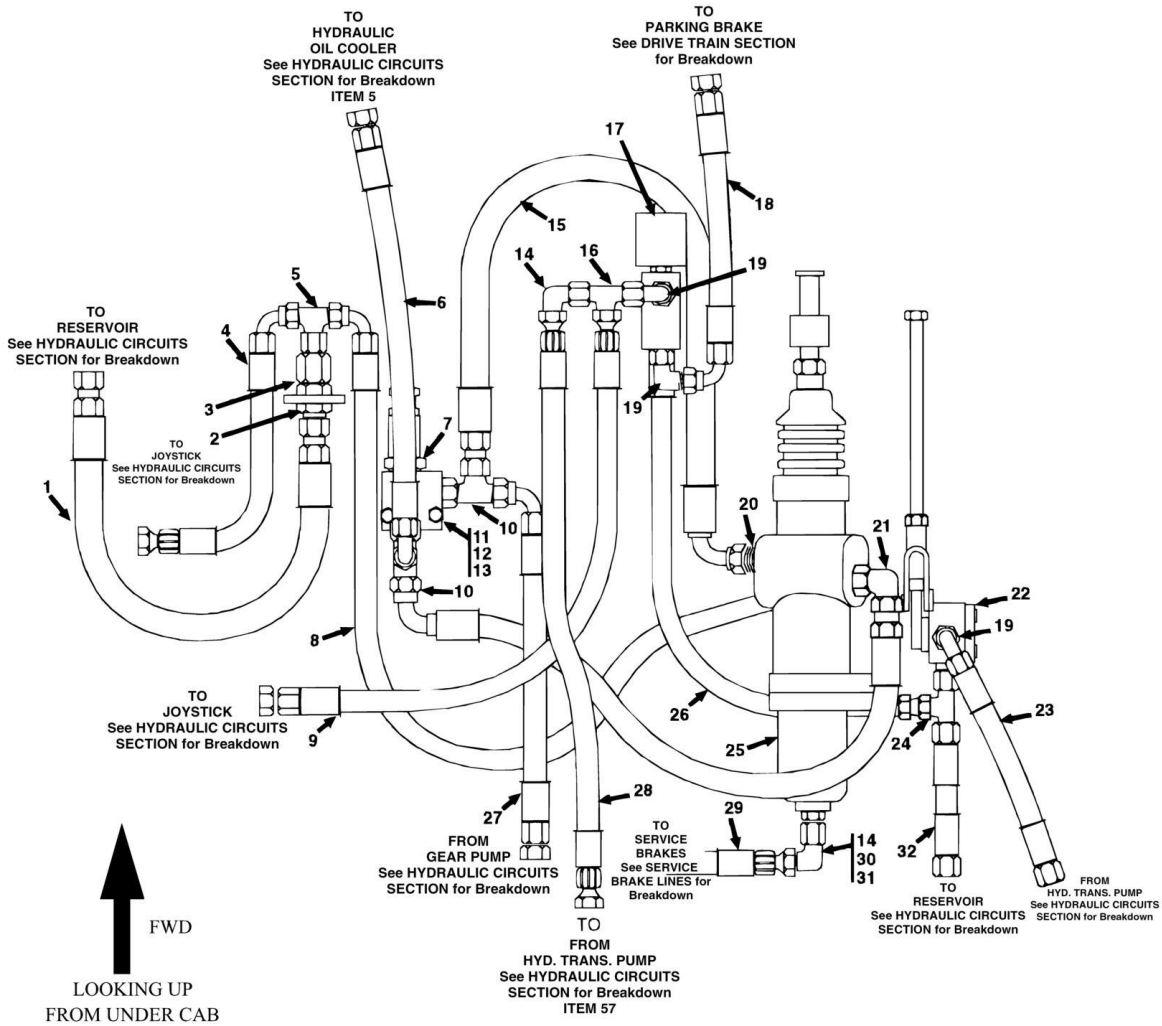
SECTION 7 - BRAKES

FIGURE 7-2. INCHING AND PARKING BRAKE LINES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718748	1	HOSE ASSY	
2	88661085	1	BULK HEAD FITTING	
3	88663469	1	REDUCER	
4	77133167	1	HOSE ASSY	
5	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
6	84718498	1	HOSE ASSY	
7	91143171	1	RELIEF VALVE	
8	84718496	1	HOSE ASSY	
9	77133197	1	HOSE ASSY	
10	88662140	2	RUN TEE (includes o-ring)	
10	88591205	2	O-RING	
11	88201008	2	HEX HD CAPSCREW, 1/4-20 x 1 3/4	
12	88561107	2	FLAT WASHER, 1/4	
13	88551009	2	LOCKWASHER, 1/4	
14	88662105	2	ELBOW, 90	
15	84718548	1	HOSE ASSY	
16	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
17		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
18	84718526	1	HOSE ASSY	
19	88662064	3	ELBOW, 90, (includes o-ring)	
19	88591204	3	O-RING	
20	88662019	1	CONNECTOR (includes o-ring)	
20	88591206	1	O-RING	
21	88662059	1	ELBOW, 90, (includes o-ring)	
21	88591206	1	O-RING	
22		Ref	INCHING VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
23	84718478	1	HOSE ASSY	
24	88662139	1	RUN TEE (includes o-ring)	
24	88591204	1	O-RING	
25		Ref	BRAKE VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26	84717889	1	HOSE ASSY	
27	84718547	1	HOSE ASSY	
28	84717341	1	HOSE ASSY	
29	84717641	1	HOSE ASSY	
30	83633002	1	CONNECTOR, MALE	
31	90207856	1	COPPER GASKET	
32	84718387	1	HOSE ASSY	

SECTION 7 - BRAKES

FIGURE 7-3. INCHING AND PARKING BRAKE LINES (534C-9 SN 0344394 to Present; 534C-10 SN 0266057 to Present)



SECTION 7 - BRAKES

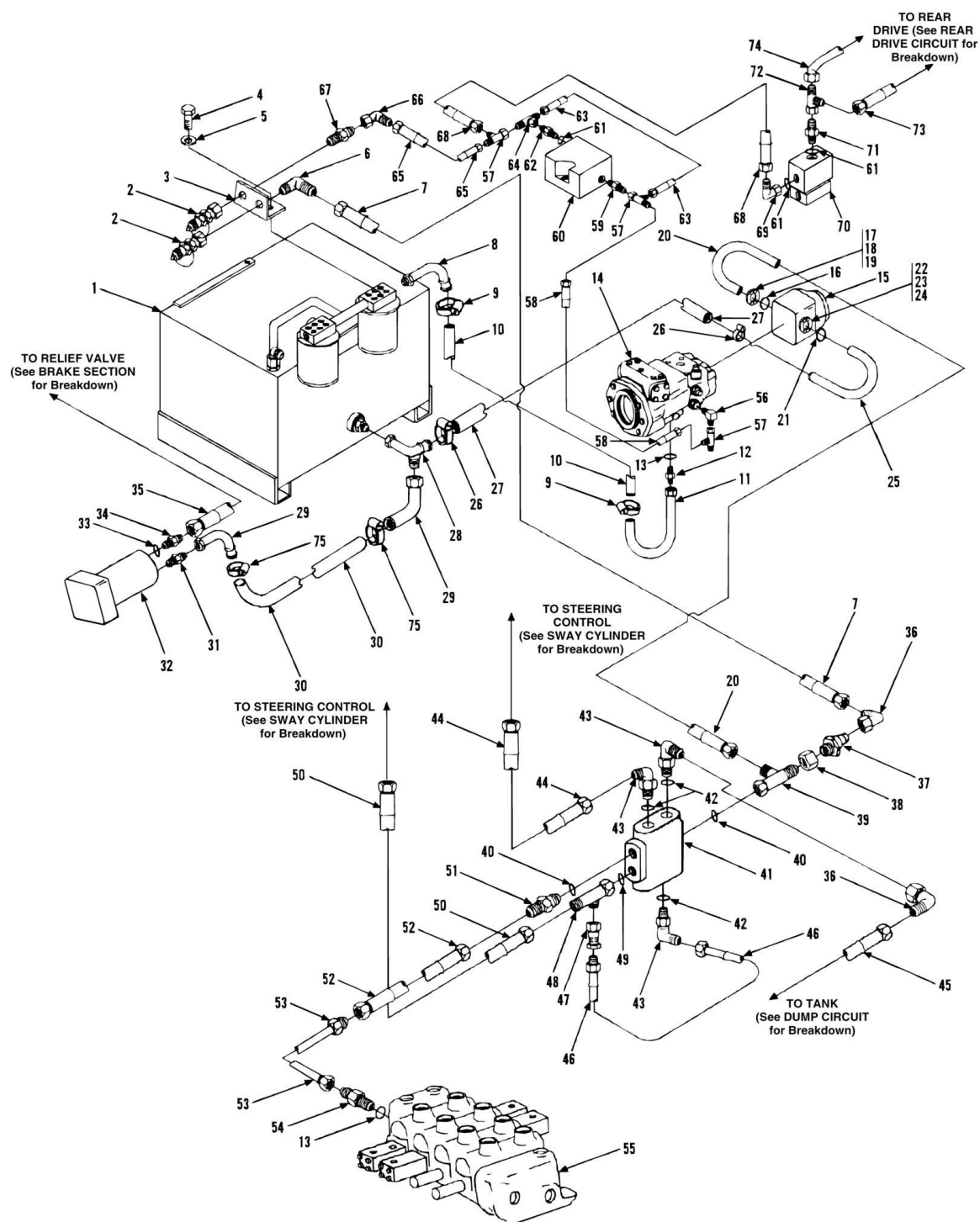
FIGURE 7-3. INCHING AND PARKING BRAKE LINES (534C-9 SN 0344394 to Present; 534C-10 SN 0266057 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718748	1	HOSE ASSY	
2	88661085	1	BULK HEAD FITTING	
3	88663469	1	REDUCER	
4	77133167	1	HOSE ASSY	
5	88662224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
6	84718498	1	HOSE ASSY	
7	91143200	1	RELIEF VALVE	
8	84718496	1	HOSE ASSY	
9	77133197	1	HOSE ASSY	
10	88662140	2	RUN TEE (includes o-ring)	
10	88591205	2	O-RING	
11	88201008	2	HEX HD CAPSCREW, 1/4-20 x 1 3/4, GR5	
12	88561107	2	FLAT WASHER, 1/4	
13	88551009	2	LOCKWASHER, 1/4	
14	88662105	2	ELBOW, 90	
15	84718548	1	HOSE ASSY	
16	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
17		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
18	84718729	1	HOSE ASSY	
19	88662064	3	ELBOW, 90, (includes o-ring)	
19	88591204	3	O-RING	
20	88662019	1	CONNECTOR (includes o-ring)	
20	88591206	1	O-RING	
21	88662059	1	ELBOW, 90, (includes o-ring)	
21	88591206	1	O-RING	
22		Ref	INCHING VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
23	84718478	1	HOSE ASSY	
24	88662139	1	RUN TEE (includes o-ring)	
24	88591204	1	O-RING	
25		Ref	BRAKE VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26	84717889	1	HOSE ASSY	
27	84718547	1	HOSE ASSY	
28	84717341	1	HOSE ASSY	
29	84717641	1	HOSE ASSY	
30	83633002	1	CONNECTOR, MALE	
31	90207856	1	COPPER GASKET	
32	84718387	1	HOSE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

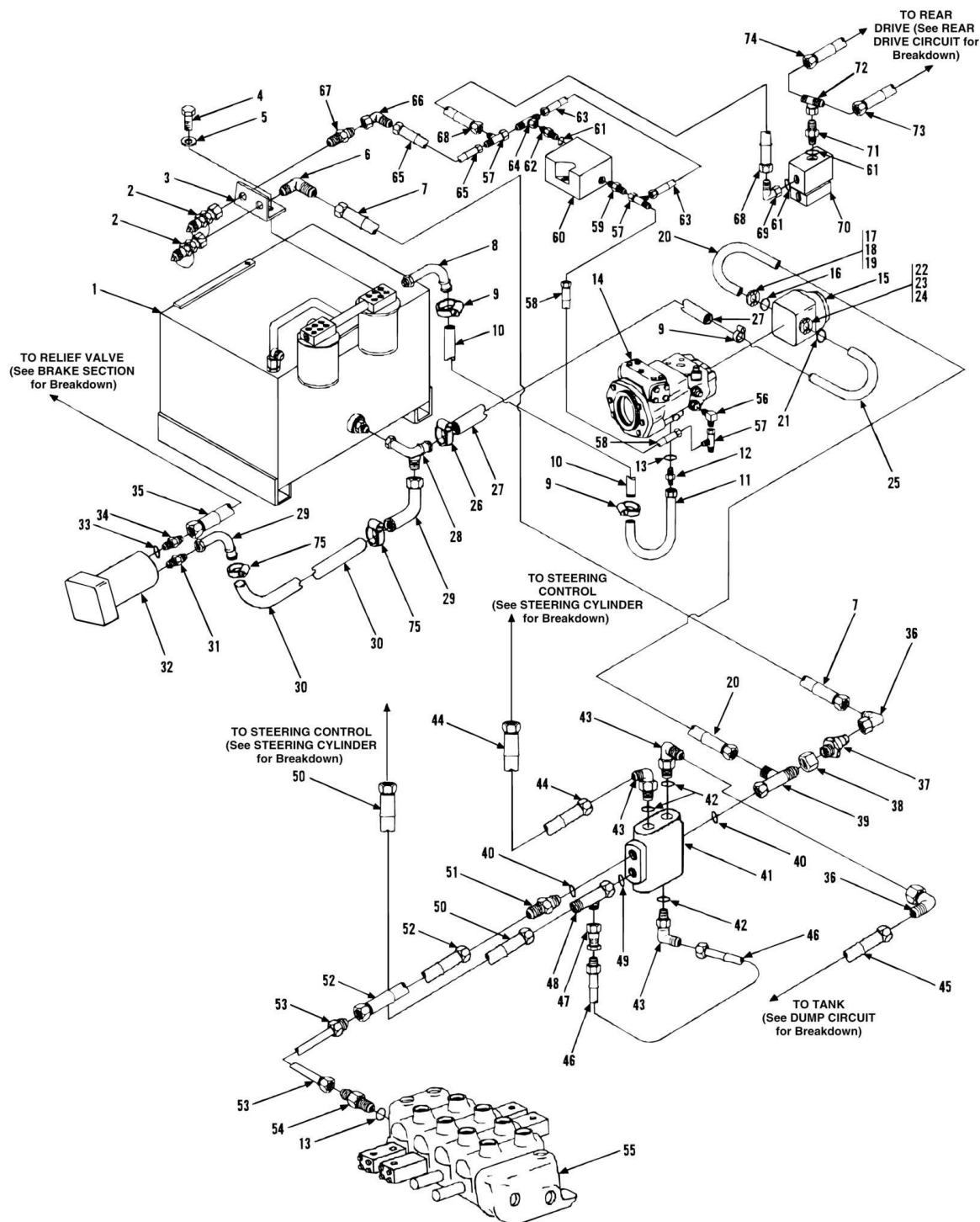
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	HYDRAULIC RESERVOIR ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	91143172	2	MINI CHECK COUPLING (includes o-ring)	
2	88591210	2	O-RING	
3	91141222	1	BRACKET	
4	88201016	2	HEX HD CAPSCREW, 5/16-16X1-1/4, GR5	
5	88561005	6	WASHER, 1/2	
6	90027179	1	BULK HEAD UNION, 90	
7	84718368	1	HOSE ASSY	
8	80673009	1	ADAPTER, 90	
9	90028695	2	BAND CLAMP	
10	91143143	1	HOSE ASSY	
11	91143087	1	INTAKE TUBE	
12	88662011	1	CONNECTOR (includes item 13)	
13	88591210	2	O-RING	
14		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15		Ref	MAIN HYDRAULIC PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88591024	1	O-RING	
17	84711333	2	SPLIT FLANGE CLAMP	
18	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
19	88551011	4	LOCKWASHER, 3/8	
20	84718369	1	HOSE ASSY	
21	88591027	1	O-RING	
22	84711334	2	SPLIT FLANGE CLAMP	
23	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
24	88551012	4	LOCKWASHER, 7/16	
25	91143121	1	SUCTION TUBE	
26	90028482	2	HOSE CLAMP	
27	91143185	1	HOSE ASSY	
28	91143175	1	TUBE ASSY	
29	91143183	2	TUBE ASSY	
30	91143184	1	HOSE ASSY	
31	91143176	1	STRAIGHT THREAD ADAPTER	
32		Ref	HYDRAULIC GEAR PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
33	88591206	2	O-RING	
34	88662019	1	CONNECTOR (includes item 33)	
35	84718547	1	HOSE ASSY	
36	88662103	2	ELBOW, 90, (swivel nut)	
37	88661344	1	TUBE END REDUCER	
38	88661408	1	NUT	
39	88662142	1	RUN TEE (includes item 40)	
40	88591207	2	O-RING	
41		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42	88591202	3	O-RING	
43	88662062	3	ELBOW, 90, (includes item 42)	
44	84716221	1	HOSE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	84718479	1	HOSE ASSY	
46	84718339	1	HOSE ASSY	
47	88661341	1	TUBE END REDUCER (1/2-1/4)	
47	88661406	1	NUT	
48	88662140	1	RUN TEE (includes item 49)	
49	88591205	1	O-RING	
50	84718347	1	HOSE ASSY	
51	88662027	1	CONNECTOR (includes item 40)	
52	84718338	1	HOSE ASSY	
53	91143058	1	TUBE ASSY	
54	88662028	1	CONNECTOR (includes item 13)	
55		Ref	MAIN CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
56	91083222	1	REDUCING CONNECTOR, 90	
57	88662239	3	SWIVEL NUT RUN TEE, 3/8 TUBE	
58	77133447	1	HOSE ASSY	
59	91083306	1	CONNECTOR (includes item 33)	
60		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
61	88591204	3	O-RING	
62	88662005	1	CONNECTOR (includes item 61)	
63	84718349	1	HOSE ASSY	
64	88662224	1	SWIVEL NUT BRANCH TEE	
65	84718370	1	HOSE ASSY	
66	88662105	1	ELBOW, 90, (swivel nut)	
67	88661084	1	BULKHEAD UNION	
68	84718425	1	HOSE ASSY	
69	88662064	1	ELBOW, 90, (includes item 61)	
70		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
71	88662017	1	CONNECTOR (includes item 61)	
72	88662237	1	SWIVEL NUT RUN TEE, 1/4 TUBE	
73	84718354	1	HOSE ASSY	
74	84718356	1	HOSE ASSY	
75	80633030	2	HOSE CLAMP	
		Ref	ADDED O-RING TO ITEM 2, CHANGED PART NUMBER ON ITEM 8, REMOVED ITEM 75 AND CHANGED ITEM 76 TO 75.	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344436 through 0344523; 534C-10 SN 0266063 through 0266074)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344436 through 0344523; 534C-10 SN 0266063 through 0266074)

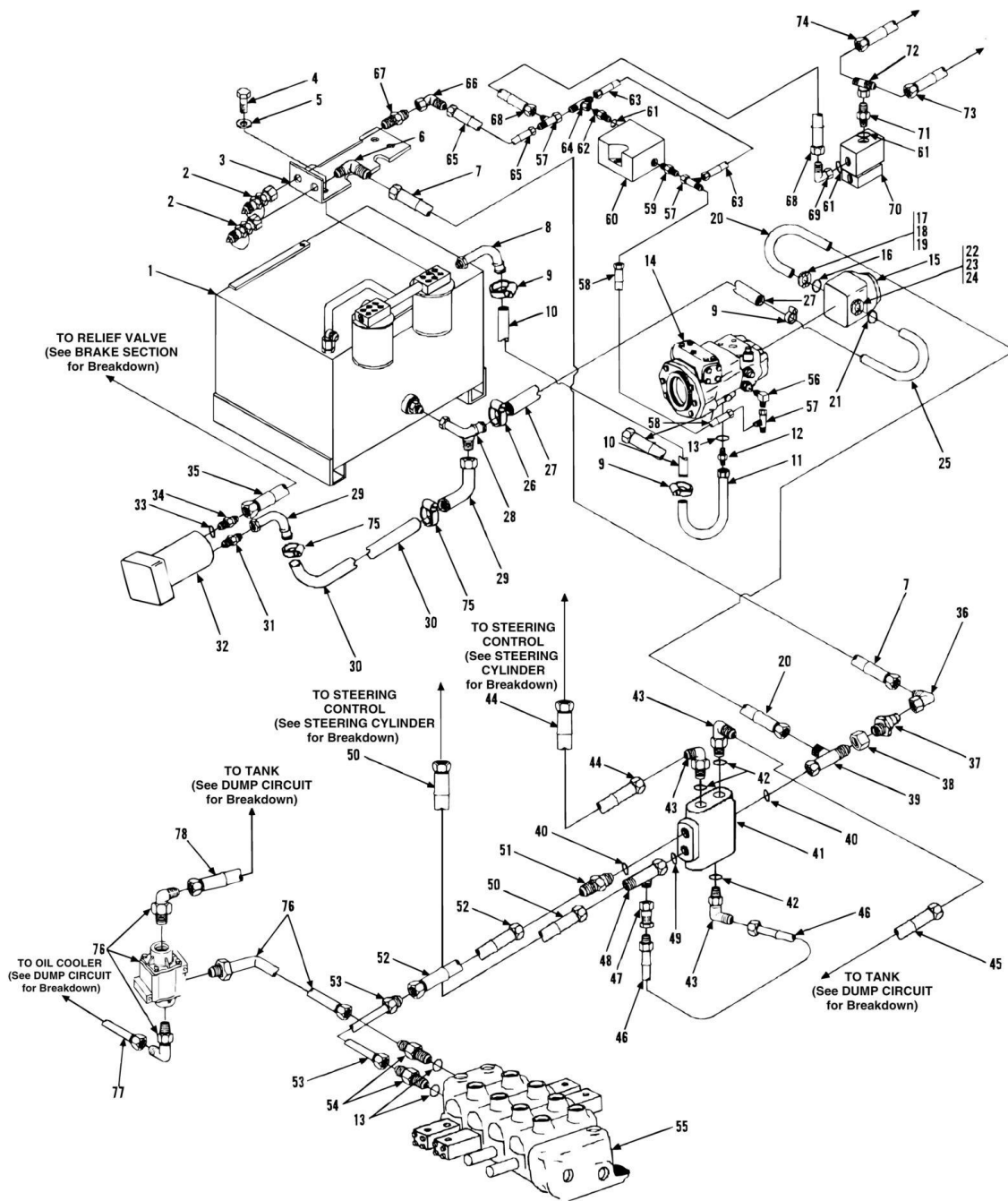
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	HYDRAULIC RESERVOIR ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	91143172	2	MINI CHECK COUPLING (includes o-ring)	
2	88591210	2	O-RING	
3	91141222	1	BRACKET	
4	88201016	2	HEX HD CAPSCREW, 5/16-16X1-1/4, GR5	
5	88561005	6	WASHER, 1/2	
6	90027179	1	BULK HEAD UNION, 90	
7	84718368	1	HOSE ASSY	
8	80673009	1	ADAPTER, 90	
9	90028695	3	BAND CLAMP	
10	91143143	1	HOSE ASSY	
11	91143087	1	INTAKE TUBE	
12	88662011	1	CONNECTOR (includes item 13)	
13	88591210	2	O-RING	
14		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15		Ref	MAIN HYDRAULIC PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88591024	1	O-RING	
17	84711333	2	SPLIT FLANGE CLAMP	
18	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
19	88551011	4	LOCKWASHER, 3/8	
20	84718369	1	HOSE ASSY	
21	88591027	1	O-RING	
22	84711334	2	SPLIT FLANGE CLAMP	
23	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
24	88551012	4	LOCK WASHER, 7/16	
25	91143121	1	SUCTION TUBE	
26	90028482	2	HOSE CLAMP	
27	91143185	1	HOSE ASSY	
28	91143175	1	TUBE ASSY	
29	91143183	2	TUBE ASSY	
30	91143184	1	HOSE ASSY	
31	91143176	1	STRAIGHT THREAD ADAPTER	
32		Ref	HYDRAULIC GEAR PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
33	88591206	2	O-RING	
34	88662019	1	CONNECTOR (includes item 33)	
35	84718547	1	HOSE ASSY	
36	88662103	2	ELBOW, 90, (swivel nut)	
37	88661344	1	TUBE END REDUCER	
38	88661408	1	NUT	
39	88662142	1	RUN TEE (includes item 40)	
40	88591207	2	O-RING	
41		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42	88591202	3	O-RING	
43	88662062	3	ELBOW, 90, (includes item 42)	
44	84716221	1	HOSE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	84718479	1	HOSE ASSY	
46	84718339	1	HOSE ASSY	
47	88661341	1	TUBE END REDUCER (1/2-1/4)	
47	88661406	1	NUT	
48	88662140	1	RUN TEE (includes item 49)	
49	88591205	1	O-RING	
50	84718347	1	HOSE ASSY	
51	88662027	1	CONNECTOR (includes item 40)	
52	84718338	1	HOSE ASSY	
53	91143058	1	TUBE ASSY	
54	88662028	1	CONNECTOR (includes item 13)	
55		Ref	MAIN CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
56	91083222	1	REDUCING CONNECTOR, 90	
57	88662239	3	SWIVEL NUT RUN TEE, 3/8 TUBE	
58	77133447	1	HOSE ASSY	
59	91083306	1	CONNECTOR (includes item 33)	
60		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
61	88591204	3	O-RING	
62	88662005	1	CONNECTOR (includes item 61)	
63	84718349	1	HOSE ASSY	
64	88662224	1	SWIVEL NUT BRANCH TEE	
65	84718370	1	HOSE ASSY	
66	88662105	1	ELBOW, 90, (swivel nut)	
67	88661084	1	BULK HEAD UNION	
68	84718425	1	HOSE ASSY	
69	88662064	1	ELBOW, 90, (includes item 61)	
70		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
71	88662017	1	CONNECTOR (includes item 61)	
72	88662222	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE	
73	84718849	1	HOSE ASSY	
74	84718848	1	HOSE ASSY	
75	80633030	2	HOSE CLAMP	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. OIL SUPPLY AND PRESSURE LINES (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)

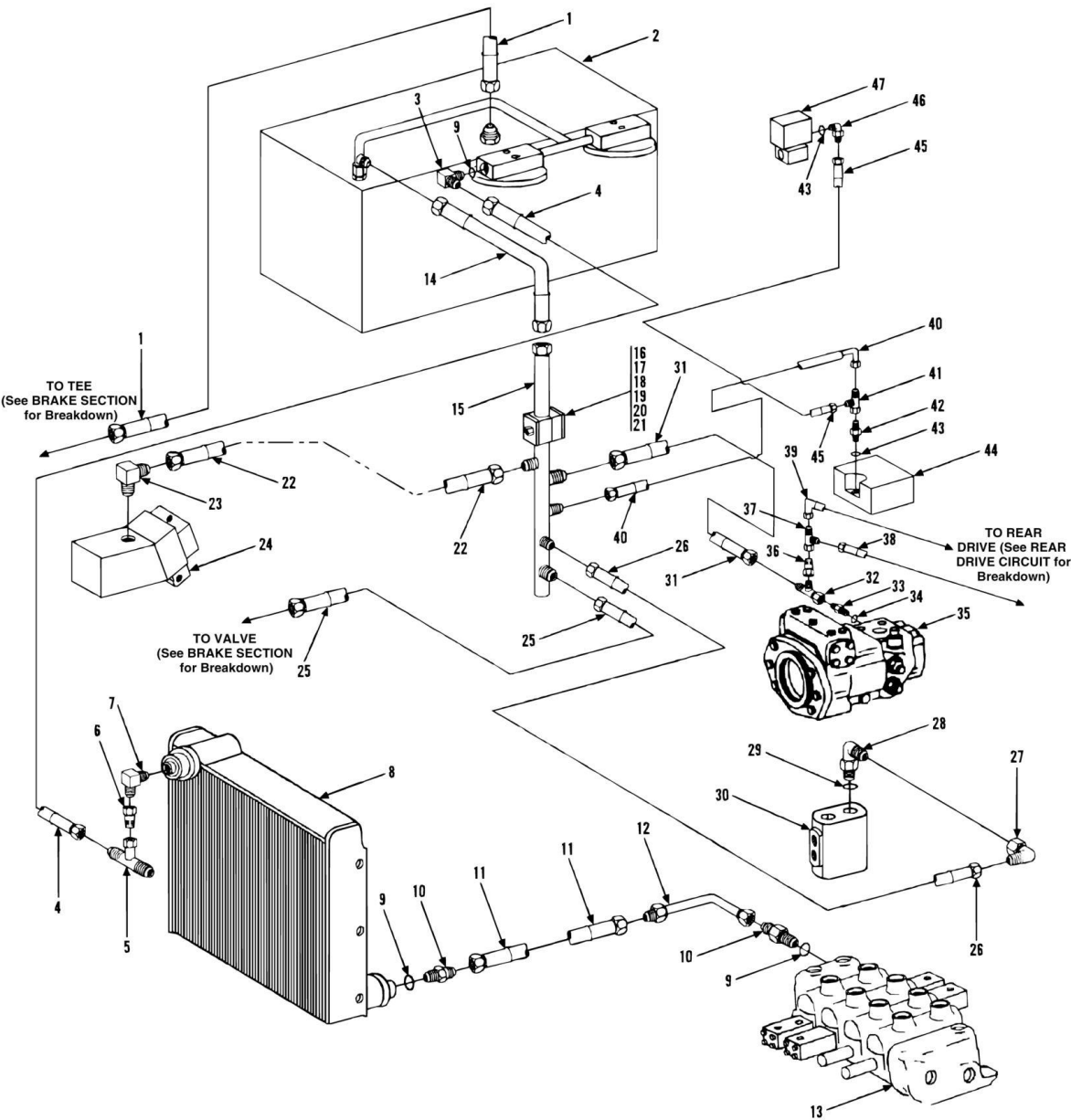
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	HYDRAULIC RESERVOIR ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	91143172	2	MINI CHECK COUPLING (includes o-ring)	
2	88591210	2	O-RING	
3	91161210	1	FILLTER SUPPORT	
4	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
5	88561003	4	WASHER, 5/16	
6	90027179	1	BULK HEAD UNION, 90	
7	84718368	1	HOSE ASSY	
8	80673009	1	ADAPTER, 90	
9	90028695	3	BAND CLAMP	
10	91143143	1	HOSE ASSY	
11	91143087	1	INTAKE TUBE	
12	88662011	1	CONNECTOR (includes item 13)	
13	88591210	2	O-RING	
14		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15		Ref	MAIN HYDRAULIC PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88591024	1	O-RING	
17	84711333	2	SPLIT FLANGE CLAMP	
18	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
19	88551011	4	LOCKWASHER, 3/8	
20	84718369	1	HOSE ASSY	
21	88591027	1	O-RING	
22	84711334	2	SPLIT FLANGE CLAMP	
23	88201051	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5	
24	88551012	4	LOCKWASHER, 7/16	
25	91143121	1	SUCTION TUBE	
26	90028482	1	HOSE CLAMP	
27	91143185	1	HOSE ASSY	
28	91143175	1	TUBE ASSY	
29	91143183	2	TUBE ASSY	
30	91143184	1	HOSE ASSY	
31	91143176	1	STRAIGHT THREAD ADAPTER	
32		Ref	HYDRAULIC GEAR PUMP (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
33	88591206	2	O-RING	
34	88662019	1	CONNECTOR (includes item 33)	
35	84718547	1	HOSE ASSY	
36	88662103	1	ELBOW, 90, (swivel nut)	
37	88661344	1	TUBE END REDUCER	
38	88661408	1	NUT	
39	88662142	1	RUN TEE (includes item 40)	
40	88591207	2	O-RING	
41		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42	88591202	3	O-RING	
43	88662062	3	ELBOW, 90, (includes item 42)	
44	84716221	1	HOSE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	84718479	1	HOSE ASSY	
46	84718339	1	HOSE ASSY	
47	88661341	1	TUBE END REDUCER (1/2-1/4)	
47	88661406	1	NUT	
48	88662140	1	RUN TEE (includes item 49)	
49	88591205	1	O-RING	
50	84718347	1	HOSE ASSY	
51	88662027	1	CONNECTOR (includes item 40)	
52	84718338	1	HOSE ASSY	
53	91143058	1	TUBE ASSY	
54	88662028	1	CONNECTOR (includes item 13)	
55		Ref	MAIN CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
56	91083222	1	REDUCING CONNECTOR, 90	
57	88662239	3	SWIVEL NUT RUN TEE, 3/8 TUBE	
58	77133447	1	HOSE ASSY	
59	91083306	1	CONNECTOR (includes item 33)	
60		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
61	88591204	3	O-RING	
62	88662005	1	CONNECTOR (includes item 61)	
63	84718349	1	HOSE ASSY	
64	88662224	1	SWIVEL NUT BRANCH TEE	
65	84718370	1	HOSE ASSY	
66	88662105	1	ELBOW, 90, (swivel nut)	
67	88661084	1	BULK HEAD UNION	
68	84718425	1	HOSE ASSY	
69	88662064	1	ELBOW, 90, (includes item 61)	
70		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
71	88662017	1	CONNECTOR (includes item 61)	
72	88662222	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE	
73	84718849	1	HOSE ASSY	
74	84718848	1	HOSE ASSY	
75	80633030	2	HOSE CLAMP	
76		Ref	THERMAL BY PASS VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
77	84718945	1	HOSE ASSY	
78	84718947	1	HOSE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-4. DUMP CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-4. DUMP CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

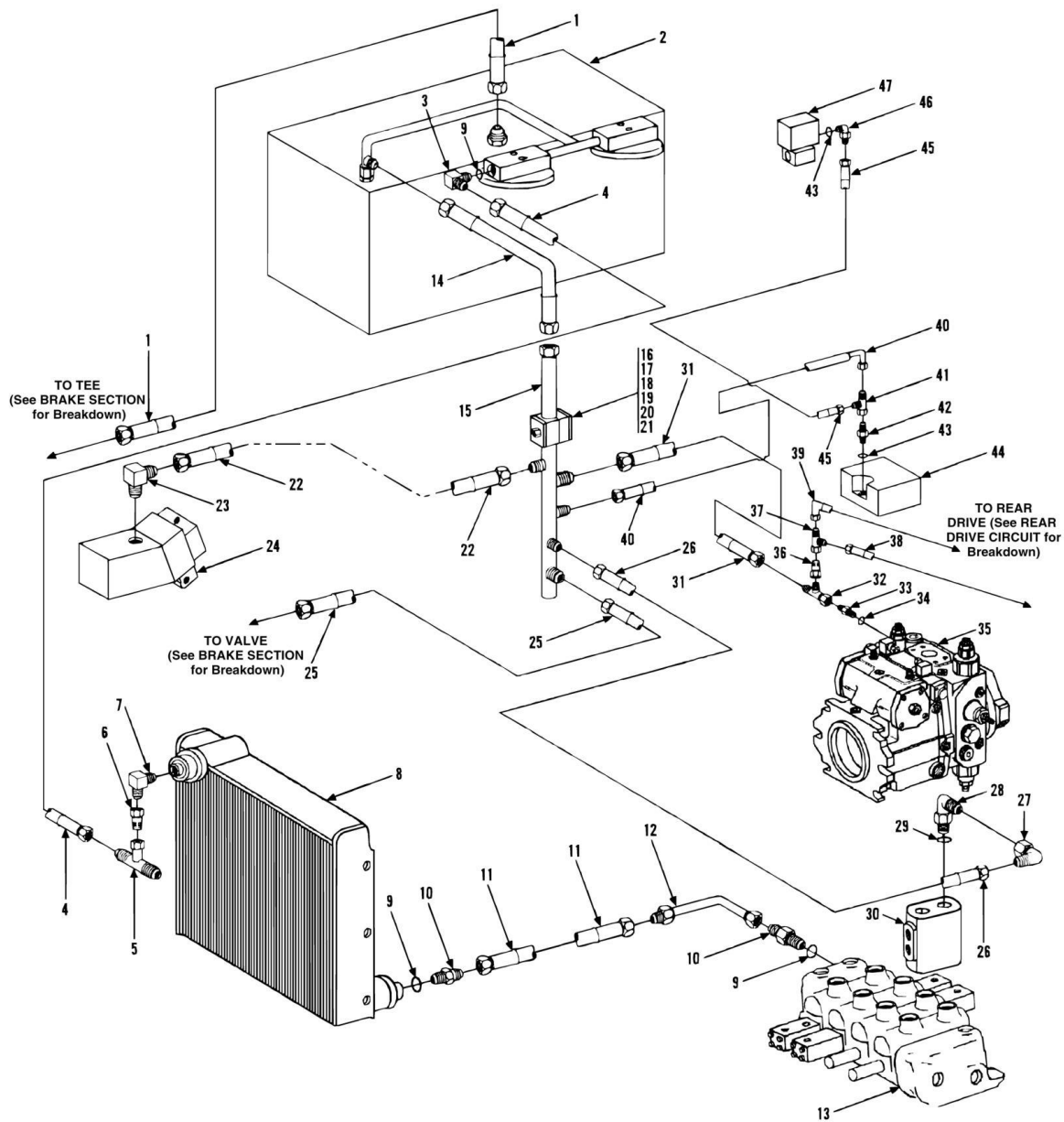
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	CHANGED PART NUMBER ON ITEMS 1 & 3, CHANGED QUANTITY ON ITEM 9.	
1	84718748	1	HOSE ASSY	
2		Ref	HYDRAULIC RESERVOIR ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88662070	1	ELBOW, 90, (includes item 9)	
4	84718424	1	HOSE ASSY	
5	86921327	1	TEE	
6	91033230	1	REDUCER	
7	83623032	1	ELBOW, 90	
8		Ref	OIL COOLER (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
9	88591210	3	O-RING	
10	88662028	2	CONNECTOR (includes item 9)	
11	84718480	1	HOSE ASSY	
12	91143058	1	TUBE ASSY	
13		Ref	MAIN CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
14	84718381	1	HOSE ASSY	
15	91143060	1	TUBE ASSY	
16	77133053	1	CLAMP SET, 3/4 TUBE	
17	77133052	1	COVER PLATE	
18	88201010	2	HEX HD CAPSCREW, 1/4-20X2-1/4, GR5	
19	88501004	2	HEX NUT, 1/4-20	
20	88551009	2	LOCKWASHER, 1/4	
21	88561107	2	FLAT WASHER, 1/4	
22	84718481	1	HOSE ASSY	
23	91083310	1	REDUCER ELBOW, 90	
24		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	84718387	1	HOSE ASSY	
26	84718479	1	HOSE ASSY	
27	88662103	1	ELBOW, 90, (swivel nut)	
28	88662062	1	ELBOW, 90, (includes item 29)	
29	88591202	1	O-RING	
30		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	84718408	1	HOSE ASSY	
32	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
33	88662008	1	CONNECTOR (include item 34)	
34	88591207	1	O-RING	
35		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36	83651133	1	REDUCER W/ADAPTER	
37	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
38	84718357	1	HOSE ASSY	
39	84718358	1	HOSE ASSY	
40	84718380	1	HOSE ASSY	
41	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
42	88662005	1	CONNECTOR (includes item 43)	
43	88591204	2	O-RING	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	84716547 88662064	Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
45		1	HOSE ASSY	
46			ELBOW, 90, (includes item 43)	
47		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-5. DUMP CIRCUIT (534C-9 SN 0344436 through 0344523; 534C-10 SN 0266063 through 0266074)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-5. DUMP CIRCUIT (534C-9 SN 0344436 through 0344523; 534C-10 SN 0266063 through 0266074)

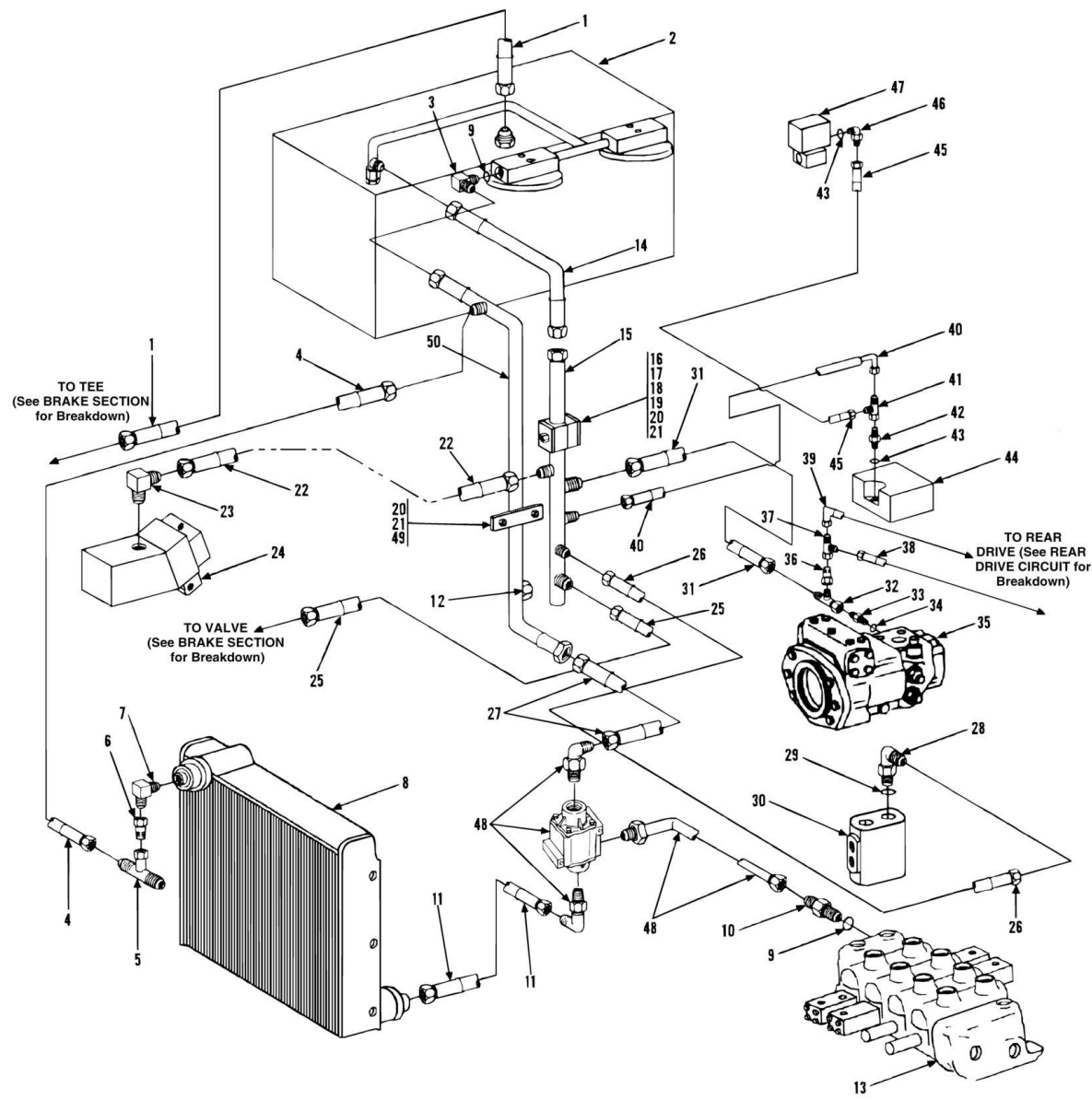
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718748	1	HOSE ASSY	
2		Ref	HYDRAULIC RESERVOIR ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88662070	1	ELBOW, 90, (includes item 9)	
4	84718424	1	HOSE ASSY	
5	86921327	1	TEE	
6	91033230	1	REDUCER	
7	83623032	1	ELBOW, 90	
8		Ref	OIL COOLER (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
9	88591210	3	O-RING	
10	88662028	2	CONNECTOR (includes item 9)	
11	84718480	1	HOSE ASSY	
12	91143058	1	TUBE ASSY	
13		Ref	MAIN CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
14	84718381	1	HOSE ASSY	
15	91143060	1	TUBE ASSY	
16	77133053	1	CLAMP SET, 3/4 TUBE	
17	77133052	1	COVER PLATE	
18	88201010	2	HEX HD CAPSCREW, 1/4-20X2-1/4, GR5	
19	88501004	2	HEX NUT, 1/4-20	
20	88551009	2	LOCK WASHER, 1/4	
21	88561107	2	FLAT WASHER, 1/4	
22	84718999	1	HOSE ASSY	
23	91053450	1	REDUCER ELBOW, 90	
24		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	84718387	1	HOSE ASSY	
26	84718479	1	HOSE ASSY	
27	88662103	1	ELBOW, 90, (swivel nut)	
28	88662062	1	ELBOW, 90, (includes item 29)	
29	88591202	1	O-RING	
30		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	84718956	1	HOSE ASSY	
32	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
33	88662008	1	CONNECTOR (include item 34)	
34	88591207	1	O-RING	
35		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36	83651133	1	REDUCER W/ADAPTER	
37	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
38	84718851	1	HOSE ASSY	
39	84718850	1	HOSE ASSY	
40	84718380	1	HOSE ASSY	
41	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
42	88662005	1	CONNECTOR (includes item 43)	
43	88591204	2	O-RING	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
45	84716547	1	HOSE ASSY	
46	88662064	1	ELBOW, 90, (includes item 43)	
47		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. DUMP CIRCUIT (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. DUMP CIRCUIT (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)

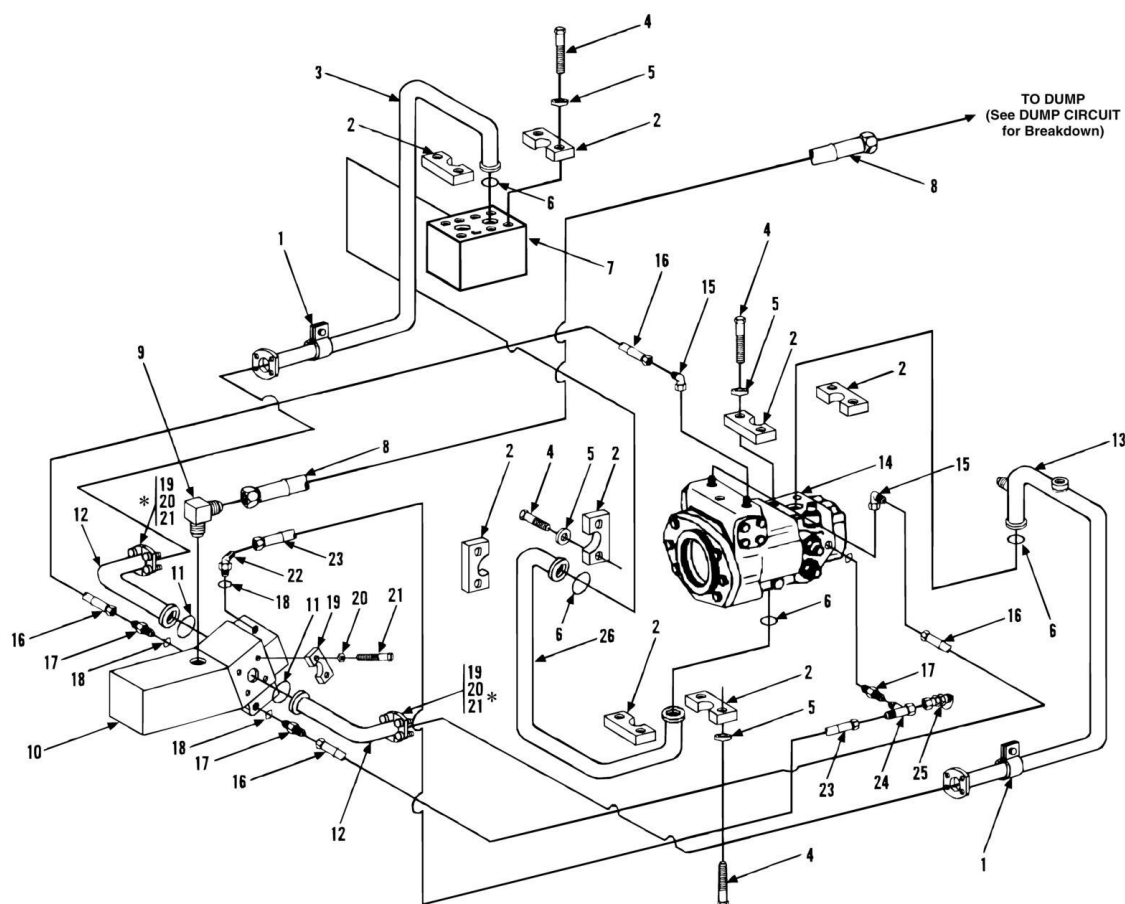
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718748	1	HOSE ASSY	
2		Ref	HYDRAULIC RESERVOIR ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	88662070	1	ELBOW, 90, (includes item 9)	
4	84718914	1	HOSE ASSY	
5	86921327	1	TEE	
6	91033230	1	REDUCER	
7	83623032	1	ELBOW, 90	
8		Ref	OIL COOLER (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
9	88591210	2	O-RING	
10	88662028	1	CONNECTOR (includes item 9)	
11	84718945	1	HOSE ASSY	
12	88661365	1	HEX CAP, 1/2 TUBE	
13		Ref	MAIN CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
14	84718381	1	HOSE ASSY	
15	91143060	1	TUBE ASSY	
16	77133053	1	CLAMP SET, 3/4 TUBE	
17	77133052	1	COVER PLATE	
18	88201010	2	HEX HD CAP SCREW, 1/4-20X2-1/4, GR5	
19	88501004	2	HEX NUT, 1/4-20	
20	88551009	2	LOCK WASHER, 1/4	
21	88561107	2	FLAT WASHER, 1/4	
22	84718999	1	HOSE ASSY	
23	91053450	1	REDUCER ELBOW, 90	
24		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	84718387	1	HOSE ASSY	
26	84718479	1	HOSE ASSY	
27	84718947	1	HOSE ASSY	
28	88662062	1	ELBOW, 90, includes item 29)	
29	88591202	1	O-RING	
30		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	84718956	1	HOSE ASSY	
32	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
33	88662008	1	CONNECTOR (include item 34)	
34	88591207	1	O-RING	
35		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36	83651133	1	REDUCER W/ADAPTER	
37	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
38	84718851	1	HOSE ASSY	
39	84718850	1	HOSE ASSY	
40	84718380	1	HOSE ASSY	
41	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
42	88662005	1	CONNECTOR (includes item 43)	
43	88591204	2	O-RING	
44		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	84716547	1	HOSE ASSY	
46	88662064	1	ELBOW, 90, (includes item 43)	
47		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
48		Ref	THERMAL BY PASS VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
49	83421139	1	U BOLT W/NUTS	
50	91143273	1	DUMP TUBE	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. FRONT DRIVE CIRCUIT (SN 0344001 to Present, SN 0266001 to Present)



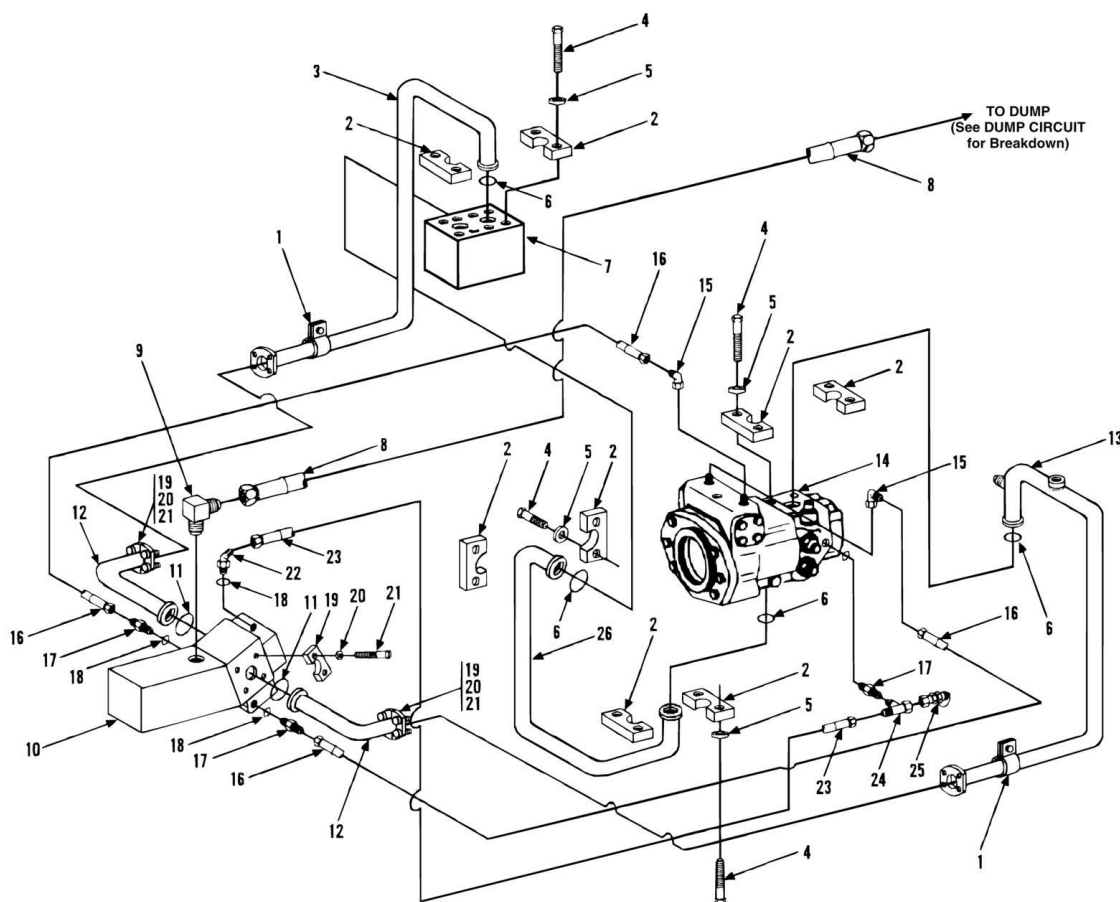
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. FRONT DRIVE CIRCUIT (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90205792	2	CUSHION CLAMP	
2	84712738	8	SPLIT FLANGE CLAMP	
3	91083418	1	TUBE ASSY	
4	83201135	16	HEX HD CAPSCREW, 7/16-14X1-1/2	
5	88551012	16	LOCKWASHER, 7/16	
6	91083106	4	O-RING	
7		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
8	84718481	1	HOSE ASSY	
9	91083310	1	REDUCER ELBOW, 90	
10		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	91083339	2	O-RING	
12	84718527	2	HOSE ASSY	
13	91143055	1	TUBE ASSY	
14		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15	90027906	2	ELBOW, 90	
16	84718406	2	HOSE ASSY	
17	88662003	3	CONNECTOR (includes item 18)	
18	88591202	4	O-RING	
19	84712739	8	SPLIT FLANGE CLAMP	
20	88551013	16	LOCKWASHER, 1/2	
21	83201120	16	HEX HD CAPSCREW, 1/2-13X1-3/4	
22	88662082	1	ELBOW, 45, (includes item 18)	
23	84718526	1	HOSE ASSY	
24	88662222	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE	
25	91143177	1	TEST COUPLING	
26	91143054	1	TUBE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-8. FRONT DRIVE CIRCUIT (534C-9 SN 0344394 to Present; 534C-10 SN 0266057 to Present)



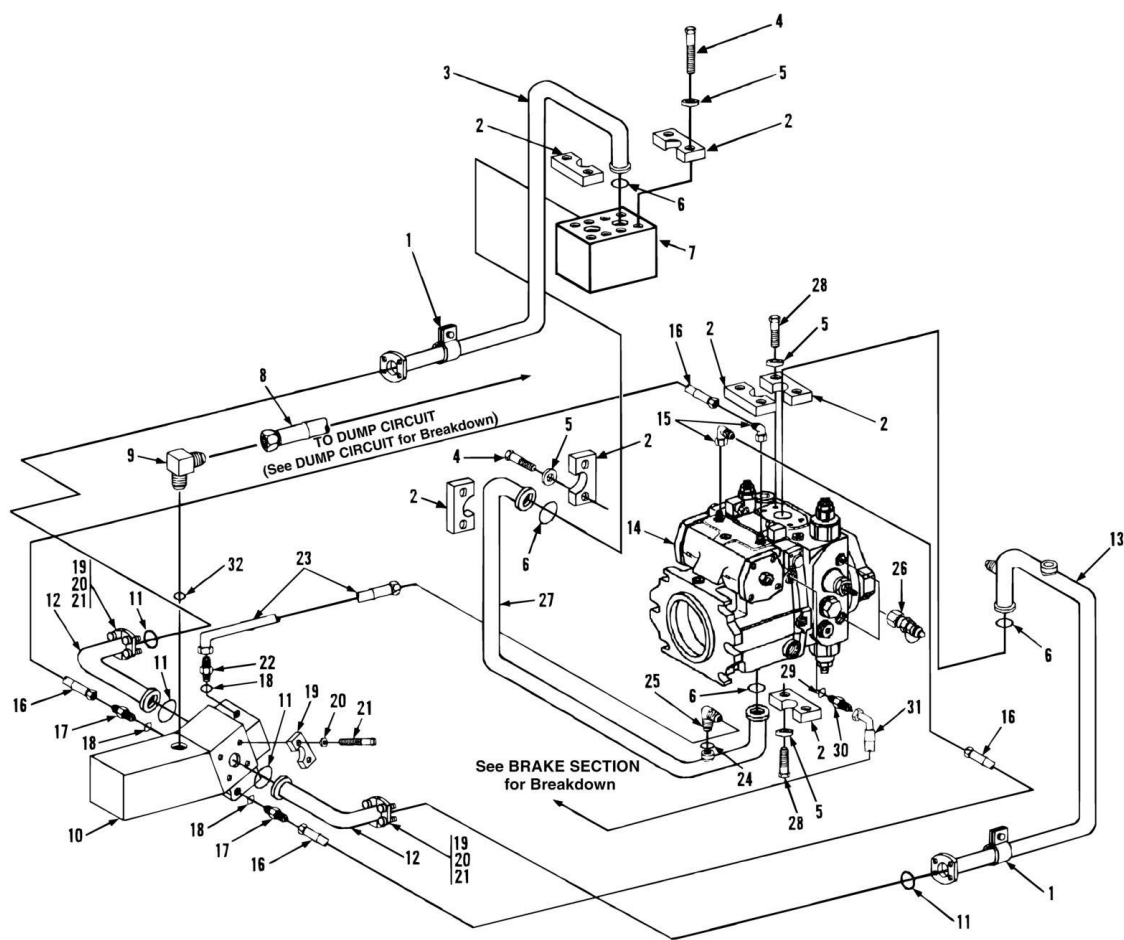
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-8. FRONT DRIVE CIRCUIT (534C-9 SN 0344394 to Present; 534C-10 SN 0266057 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90205792	2	CUSHION CLAMP	
2	84712738	8	SPLIT FLANGE CLAMP	
3	91083418	1	TUBE ASSY	
4	83201135	16	HEX HD CAPSCREW, 7/16-14X1-1/2	
5	88551012	16	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	91083310	1	REDUCER ELBOW, 90	
10		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	91083339	2	O-RING	
12	84718407	2	HOSE ASSY	
13	91143055	1	TUBE ASSY	
14		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15	90027906	2	ELBOW, 90	
16	84718406	2	HOSE ASSY	
17	88662003	3	CONNECTOR (includes item 18)	
18	88591202	4	O-RING	
19	84712739	8	SPLIT FLANGE CLAMP	
20	88551013	16	LOCKWASHER, 1/2	
21	83201120	16	HEX HD CAPSCREW, 1/2-13X1-3/4	
22	88662082	1	ELBOW, 45, (includes item 18)	
23	84718526	1	HOSE ASSY	
24	88662222	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE	
25	91143177	1	TEST COUPLING	
26	91143054	1	TUBE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-9. FRONT DRIVE CIRCUIT (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)



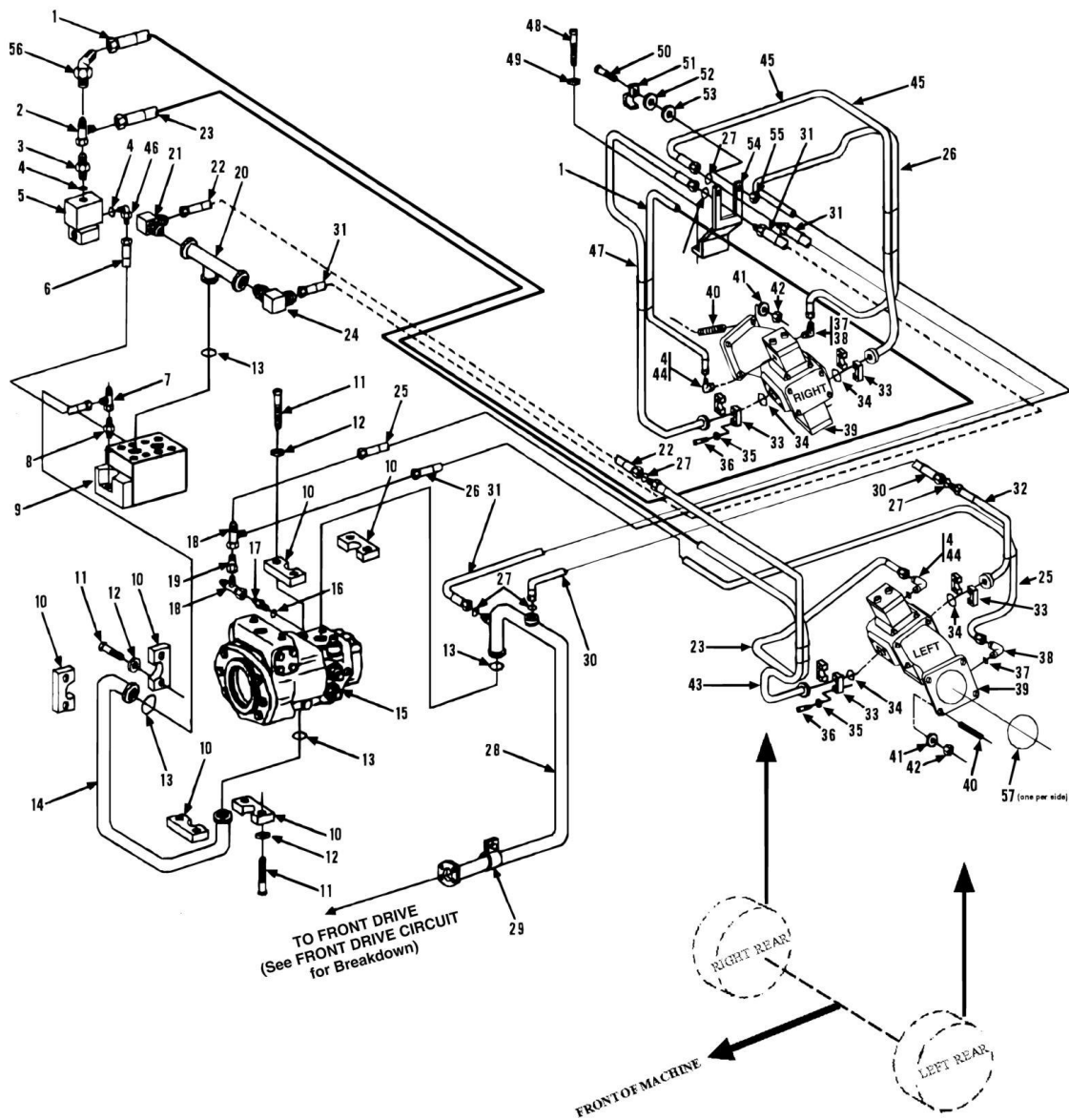
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-9. FRONT DRIVE CIRCUIT (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)

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	91053450	1	ELBOW, 90, (includes item 32)	
10		Ref	FRONT DRIVE MOTOR (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	91083339	2	O-RING	
12	84718845	2	HOSE ASSY	
13	91143122	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	84718406	2	HOSE ASSY	
17	88662003	2	CONNECTOR (includes item 18)	
18	88591202	3	O-RING	
19	84712739	8	SPLIT FLANGE CLAMP	
20	88561013	16	LOCK WASHER, 1/2	
21	83201120	16	HEX HD CAPSCREW, 1/2-13X1-3/4, GR5	
22	88662005	1	CONNECTOR (includes item 24)	
23	84718929	1	HOSE ASSY	
24	88591204	2	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	88591205	1	O-RING	
30	88662018	1	CONNECTOR (includes item 29)	
31	84718478	1	HOSE ASSY	
32	88591207		O-RING	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. REAR DRIVE CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. REAR DRIVE CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

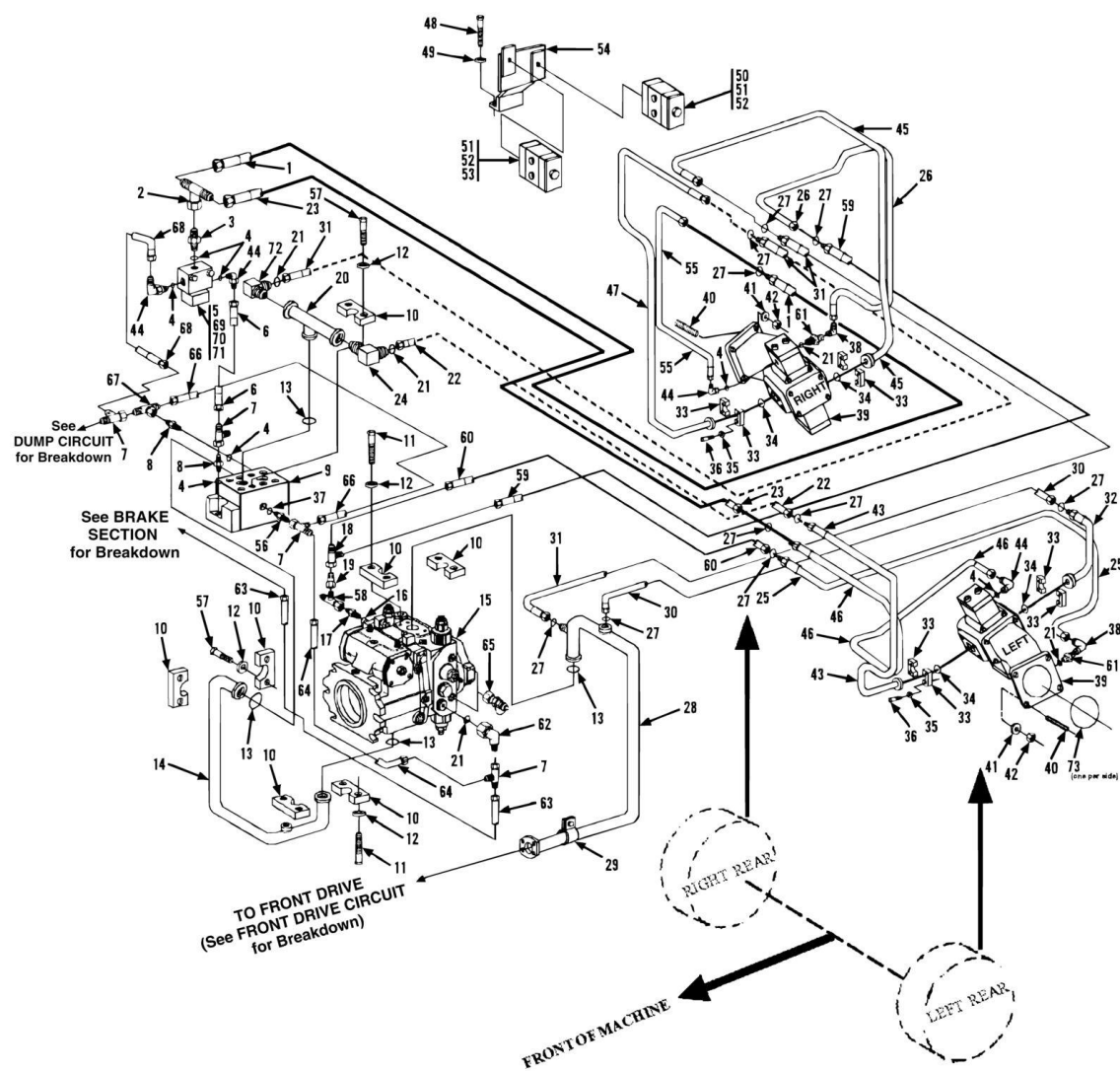
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718356	1	HOSE ASSY	
2	88662237	1	SWIVEL NUT RUN TEE, 1/4 TUBE	
3	83662017	1	CONNECTOR (includes item 4)	
4	88591204	4	O-RING	
5		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	84716547	1	HOSE ASSY	
7	88662239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
8	88662005	1	CONNECTOR (includes item 4)	
9		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	84712738	6	SPLIT FLANGE CLAMP	
11	83201135	12	HEX HD CAPSCREW, 7/16-14X1-1/2	
12	88551012	12	LOCKWASHER, 7/16	
13	91083106	4	O-RING	
14	91143054	1	TUBE ASSY	
15		Ref	HYDROSTATIC TRANSMISSION (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88591207	1	O-RING	
17	88662008	1	CONNECTOR (includes item 16)	
18	88662240	2	SWIVEL NUT RUN TEE, 1/2 TUBE	
19	83651133	1	REDUCER W/ADAPTER	
20	91083266	1	TUBE ASSY	
21	88662332	1	MALE ELBOW, 90, (includes o-ring)	
22	84718316	1	HOSE ASSY	
23	84718354	1	HOSE ASSY	
24	88662421	1	MALE ELBOW, 45, (includes o-ring)	
25	84718358	1	HOSE ASSY	
26	84718357	1	HOSE ASSY	
27	88591508	6	O-RING	
28	91143055	1	TUBE ASSY	
29	90205792	1	CUSHION CLAMP	
30	84718353	1	HOSE ASSY	
31	84718355	2	HOSE ASSY	
32	91143011	1	TUBE ASSY	
33	84712737	8	SPLIT FLANGE CLAMP	
34	80933066	4	O-RING	
35	88551011	16	LOCK WASHER, 1-1/4	
36	83201115	16	HEX HD CAPSCREW, 1-1/4X3/8-16	
37	88591206	2	O-RING	
38	88662059	2	ELBOW, 90, (includes item 37)	
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	91143158	1	TUBE ASSY	
44	90027906	2	ELBOW, 90, (includes item 4)	
45	91143009	1	TUBE ASSY	
46	88662064	1	ELBOW, 90, (includes item 4)	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	91143157	1	TUBE ASSY	
48	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
49	88551011	4	LOCK WASHER, 3/8	
50	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
51	91081201	4	TUBE CLAMP	
52	88551011	4	LOCK WASHER, 3/8	
53	90027470	4	HARDENED WASHER	
54	91081522	1	R.H. TUBE SUPPORT (shown)	
54	91081523	1	L.H. TUBE SUPPORT	
55	88501006	4	HEX NUT	
56	88662117	1	ELBOW, 45, (swivel nut)	
57	90023159	2	O-RING (one each side)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-11. REAR DRIVE CIRCUIT (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-11. REAR DRIVE CIRCUIT (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)

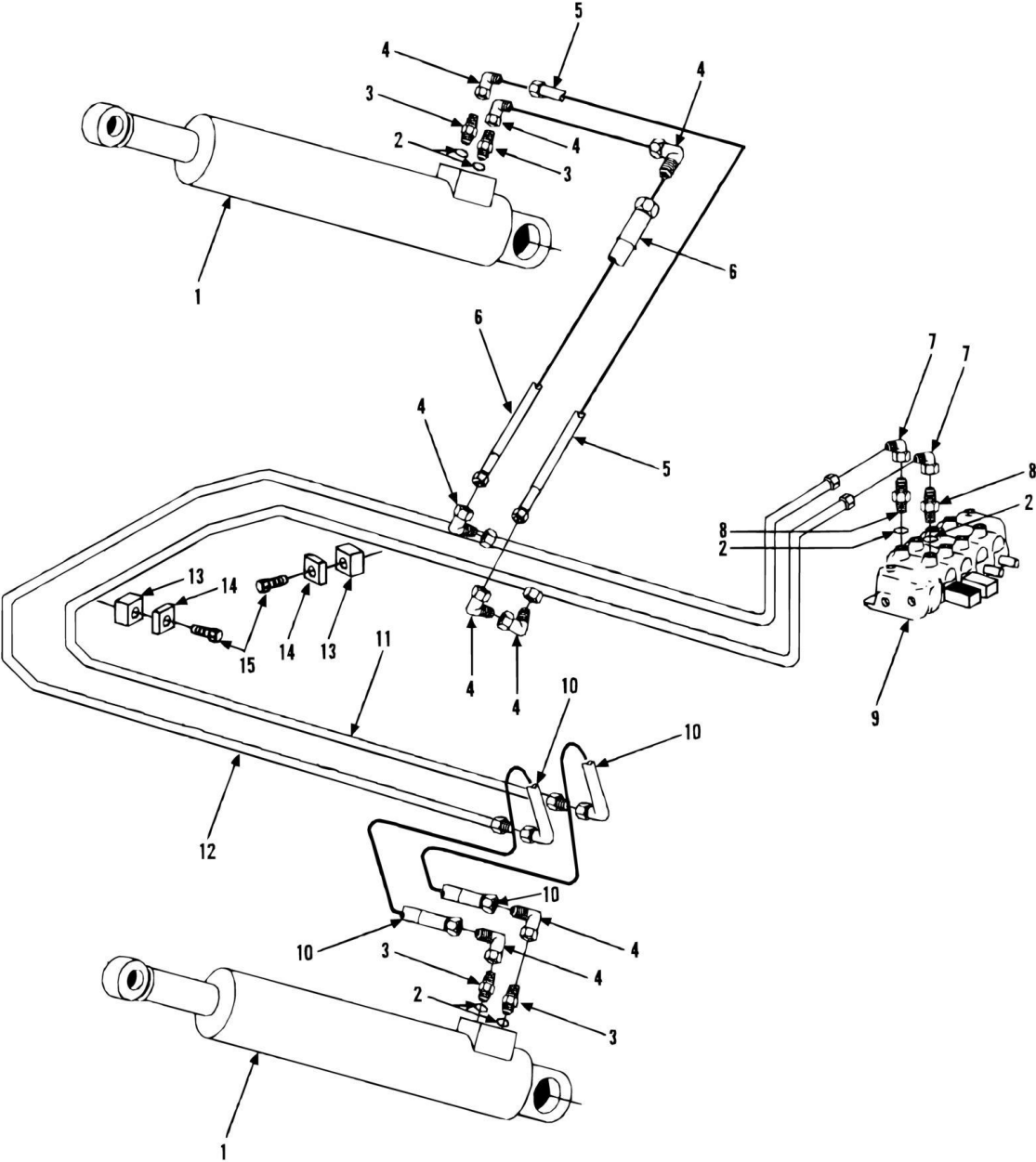
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718848	1	TUBE ASSY	
2	88662222	1	SWIVEL NUT BRANCH TEE	
3	83662017	1	CONNECTOR (includes item 4)	
4	88591204	7	O-RING	
5		Ref	SOLENOID VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	84716547	1	HOSE ASSY	
7	88662239	4	SWIVEL NUT RUN TEE, 3/8 TUBE	
8	88662005	2	CONNECTOR (includes item 4)	
9		Ref	TRACTION LOCK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	84712738	8	SPLIT FLANGE CLAMP	
11	83201135	4	HEX HD CAPSCREW, 7/16-14X1-1/2	
12	88551012	16	LOCK WASHER, 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	88662008	1	CONNECTOR (includes item 16)	
18	88662240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	
19	83651133	1	REDUCER W/ADAPTER	
20	91083266	1	TUBE ASSY	
21	88591207	5	O-RING	
22	84718935	1	HOSE ASSY	
23	84718849	1	HOSE ASSY	
24	88662421	1	MALE ELBOW, 45, (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	LOCK WASHER	
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	88662064	4	ELBOW, 90, (includes item 4)	
45	91163134	1	TUBE ASSY	
46	91163055	1	TUBE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	91163041	1	TUBE ASSY	
48	88201035	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
49	88551011	4	LOCK WASHER, 3/8	
50	91213002	2	CLAMP SET	
51	88201028	4	HEX HD CAPSCREW, 3/8-16ncX1	
52	77133137	4	COVER PLATE	
53	91163069	2	CLAMP HALF	
54	91166055	1	R.H. TUBE SUPPORT (shown)	
54	91166056	1	L.H. TUBE SUPPORT	
55	91163054	1	TUBE ASSY	
56	91083306	1	CONNECTOR (includes item 37)	
57	83201155	8	HEX HD CAPSCREW, 7/16-14X3/4	
58	88662242	1	SWIVEL NUT RUN TEE, 3/4 TUBE	
59	84718851	1	HOSE ASSY	
60	84718850	1	HOSE ASSY	
61	88662020	2	CONNECTOR (includes item 21)	
62	91083222	1	REDUCING CONNECTOR (includes item 21)	
63	84717341	1	HOSE ASSY	
64	77133447	1	HOSE ASSY	
65	91053020	2	TEST COUPLING	
66	84718349	1	HOSE ASSY	
67	88662224	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	
71	88551009	2	LOCK WASHER, 1/4	
72	88662332	1	ELBOW, 90, (includes item 21)	
73	90023159	2	O-RING (one each side)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-12. LIFT CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



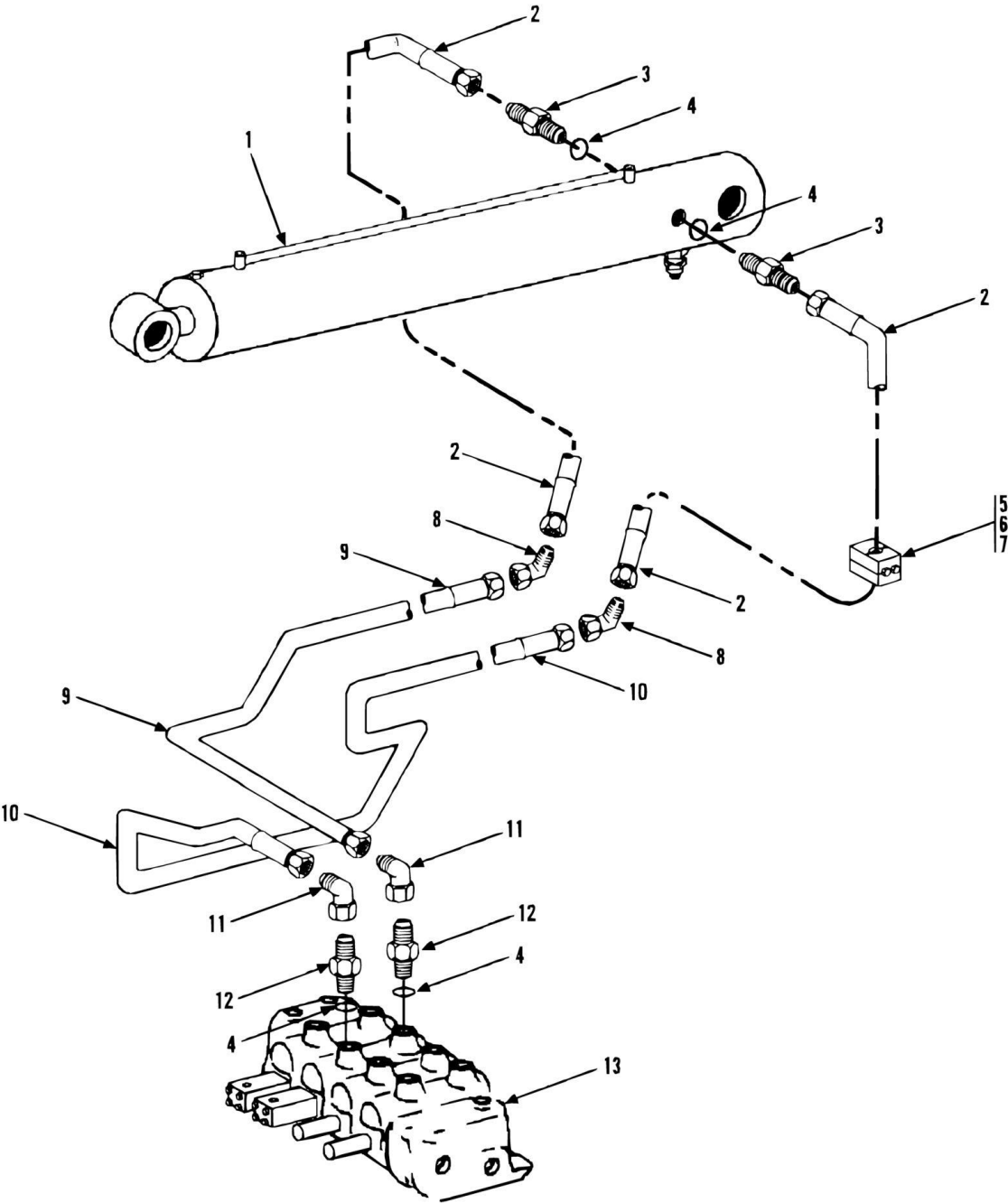
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-12. LIFT CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	LIFT CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	88591207	6	O-RING	
3	88662022	4	CONNECTOR (includes item 2)	
4	88662107	8	ELBOW, 90, (swivel nut)	
5	84718382	1	HOSE ASSY	
6	84718340	1	HOSE ASSY	
7	88662108	2	ELBOW, 90, (swivel nut)	
8	88662008	2	CONNECTOR (includes item 2)	
9		Ref	MAIN CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	84718383	2	HOSE ASSY	
11	91143033	1	TUBE ASSY	
12	91143034	1	TUBE ASSY	
13	77133136	2	CLAMP SET	
14	77133137	2	COVER PLATE	
15	88201023	2	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-13. CROWD CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



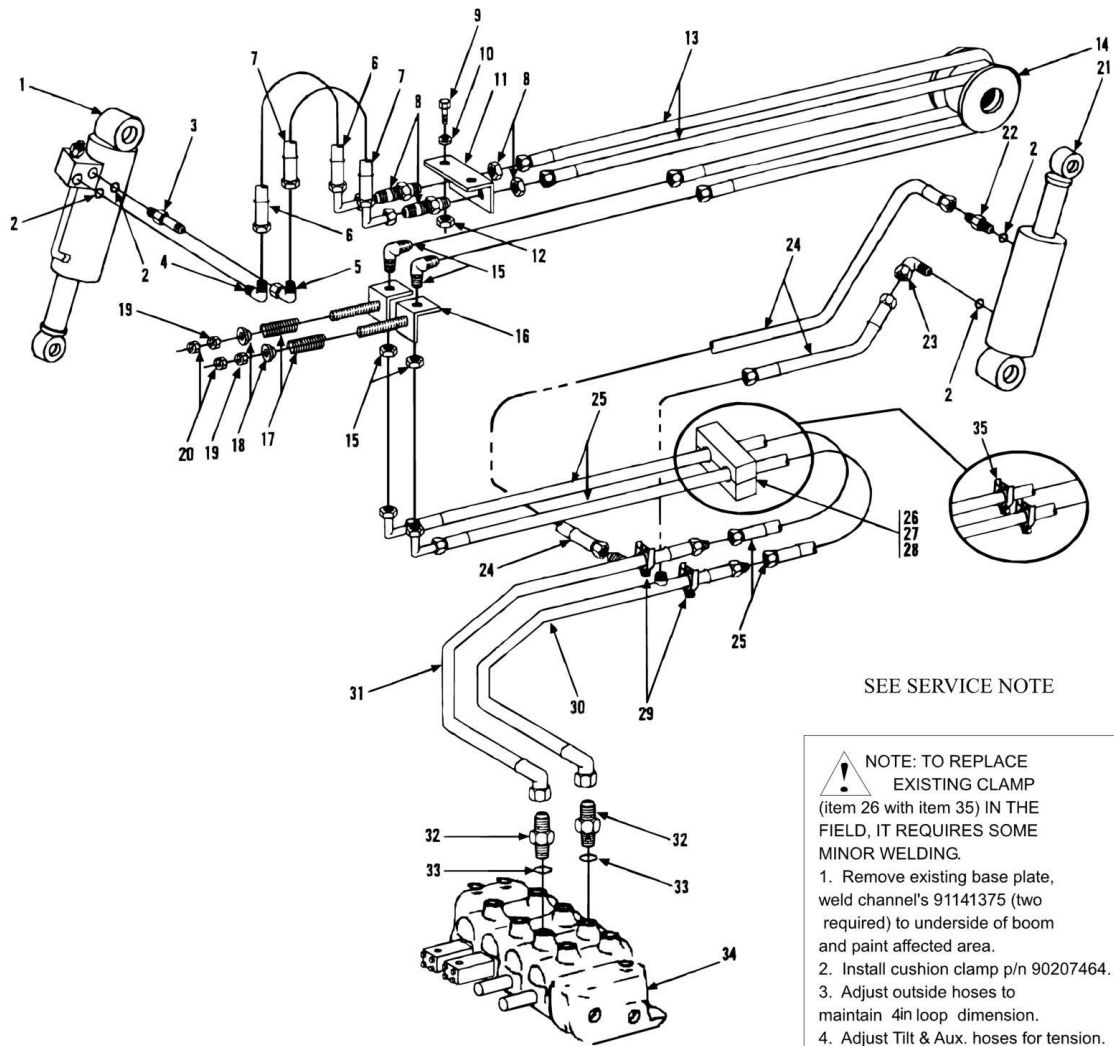
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-13. CROWD CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	CROWD CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	84718371	2	HOSE ASSY	
3	88662022	2	CONNECTOR (includes item 4)	
4	88591207	4	O-RING	
5	77133073	2	CLAMP SET	
6	77133052	2	COVER PLATE	
7	77133209	2	HEX HD CAPSCREW, 1/4-20X1-3/8	
8	88662121	2	CONNECTOR 45, (swivel nut)	
9	91143036	1	TUBE ASSY	
10	91143035	1	TUBE ASSY	
11	88662108	2	ELBOW, 90, (swivel nut)	
12	88662038	2	CONNECTOR (includes item 4)	
13		Ref	MAIN CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-14. TILT CYLINDER AND TILT COMPENSATING CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



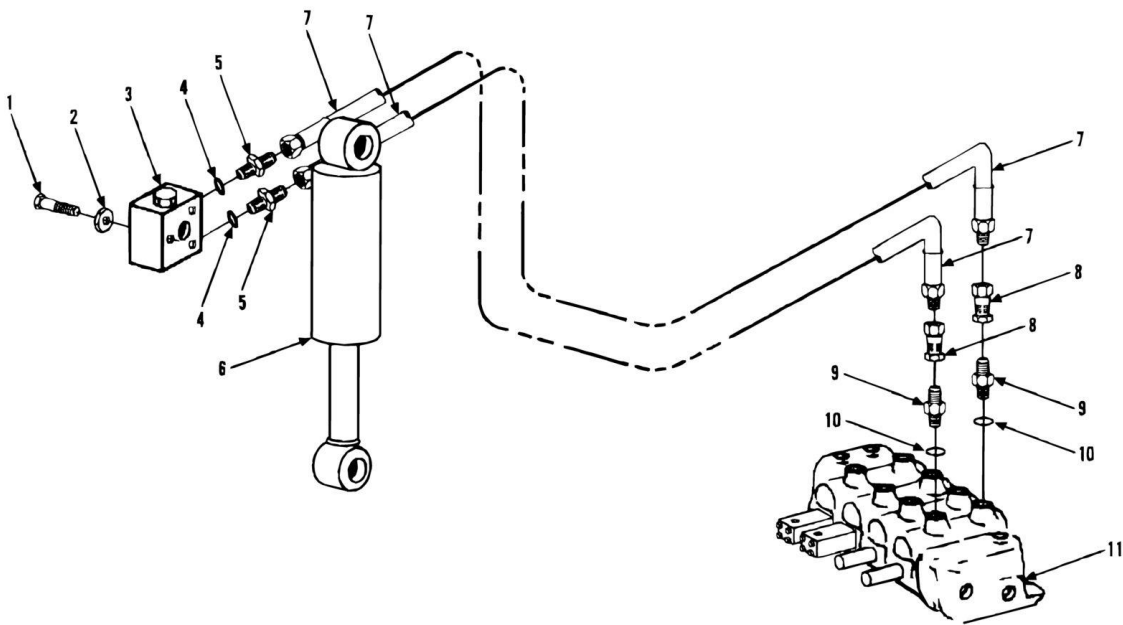
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-14. TILT CYLINDER AND TILT COMPENSATING CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	TILT CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	88591206	4	O-RING	
3	88662037	1	CONNECTOR (includes item 2)	
4	88662059	1	ELBOW, 90, (includes item 2)	
5	88662107	1	ELBOW, 90, (swivel nut)	
6	84718372	1	HOSE ASSY	
7	84718373	1	HOSE ASSY	
8	90027176	2	STRAIGHT BULKHEAD FITTING	
9	88201021	2	HEX HD CAP SCREW, 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	90027180	2	90, BULKHEAD FITTING	
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	88662007	1	CONNECTOR (includes item 2)	
23	88662086	1	ELBOW, 45, (includes item 2)	
24	84718340	2	HOSE ASSY	
25	84719019	2	HOSE ASSY	
26	77323029	2	CLAMP SET (SN 0344103 to Present, SN 0266041 to Present)	
27	77133137	2	COVER PLATE (SN 0344103 to Present, SN 0266041 to Present)	
28	88201023	2	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5 (SN 0344103 to Present, SN 0266041 to Present)	
29	90207463	2	CLAMP SET	
30	91143038	1	TUBE ASSY	
31	91143037	1	TUBE ASSY	
32	88662008	2	CONNECTOR (includes item 33)	
33	88591207	2	O-RING	
34		Ref	MAIN CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
35	90207464	2	CUSHION CLAMP (SN 0344275 to Present, SN 0266042 to Present)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-15. SWAY CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



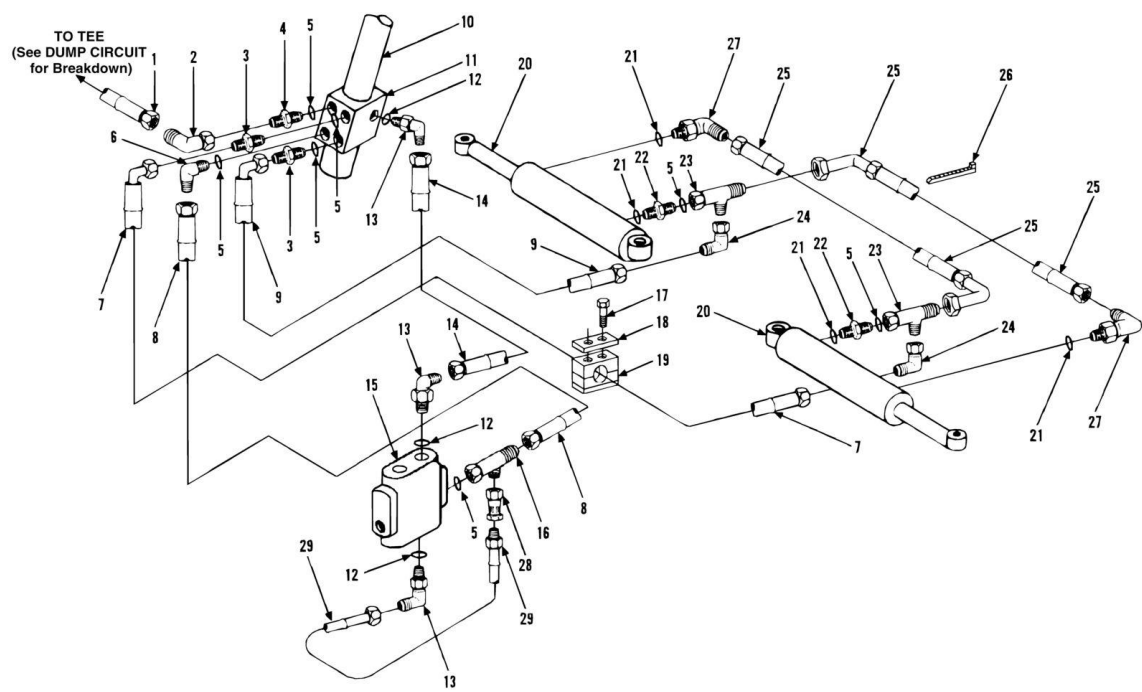
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-15. SWAY CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88201040	3	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
2	88551011	3	LOCKWASHER, 3/8	
3		Ref	DUAL P.O. CHECK VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4	88591202	2	O-RING	
5	88662082	2	CONNECTOR (includes item 4)	
6		Ref	SWAY CYLINDER (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
7	84718366	2	HOSE ASSY	
8	88661341	2	TUBE END REDUCER (1/2X1/4)	
9	88662020	2	CONNECTOR (includes item 10)	
10	88591207	2	O-RING	
11		Ref	MAIN CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-16. STEERING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



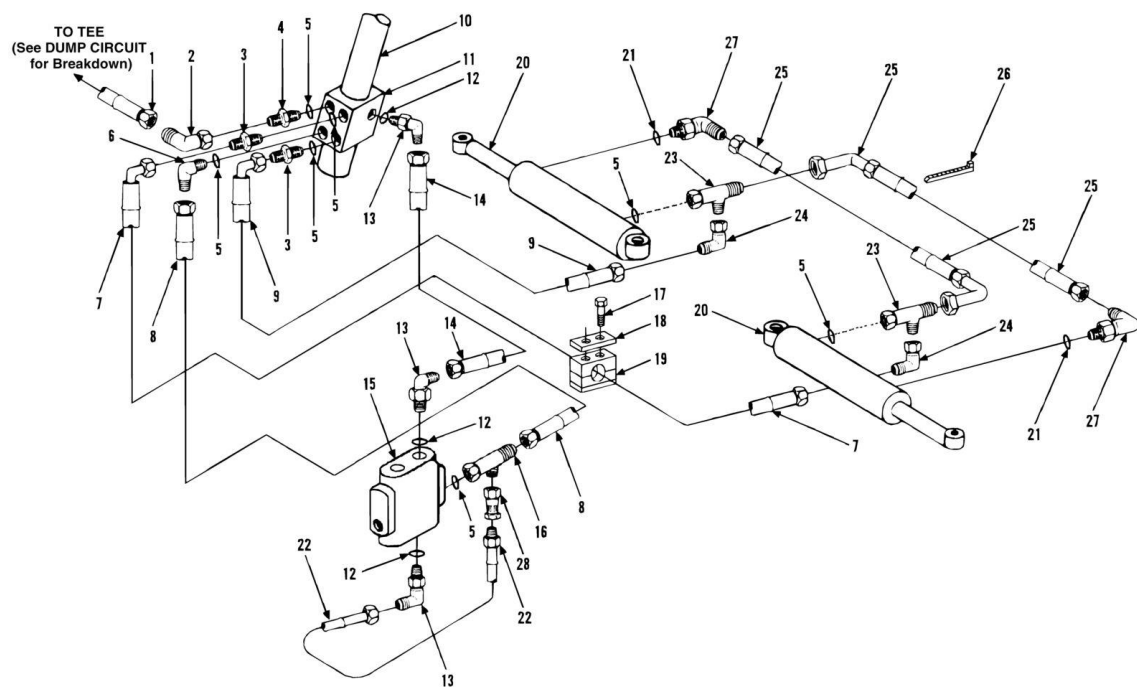
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-16. STEERING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718415	1	HOSE ASSY	
2	88662105	1	ELBOW, 90, (swivel nut)	
3	88662006	2	CONNECTOR (includes item 5)	
4	88662018	1	CONNECTOR (includes item 5)	
5	88591205	7	O-RING	
6	88662065	1	ELBOW, 90, (includes item 5)	
7	84718432	1	HOSE ASSY	
8	84718347	1	HOSE ASSY	
9	84718348	1	HOSE ASSY	
10		Ref	STEERING COLUMN (See CONTROLS SECTION for Breakdown)	
11		Ref	STEERING CONTROL UNIT (See CONTROLS SECTION for Breakdown)	
12	88591202	3	O-RING	
13	88662062	3	ELBOW, 90, (includes item 12)	
14	84716221	1	HOSE ASSY	
15		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88662140	1	RUN TEE (includes item 5)	
17	77133209	6	HEX HD CAPSCREW, 1/4-20X1-3/8	
18	77133052	3	COVER PLATE	
19	77133893	3	CLAMP SET	
20		Ref	STEERING CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88591204	4	O-RING	
22	88662026	2	CONNECTOR (includes item 21)	
23	88662140	2	RUN TEE (includes item 5)	
24	88662106	2	ELBOW, 90, (swivel nut)	
25	84718202	2	HOSE ASSY	
26	90027187	12	TIE WRAP	
27	88662064	2	ELBOW, 90, (includes item 21)	
28	88661341	1	TUBE END REDUCER (1/2-1/4)	
29	84718339	1	HOSE ASSY	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-17. STEERING CYLINDER (SN 0344436 to Present, SN 0266063 to Present)



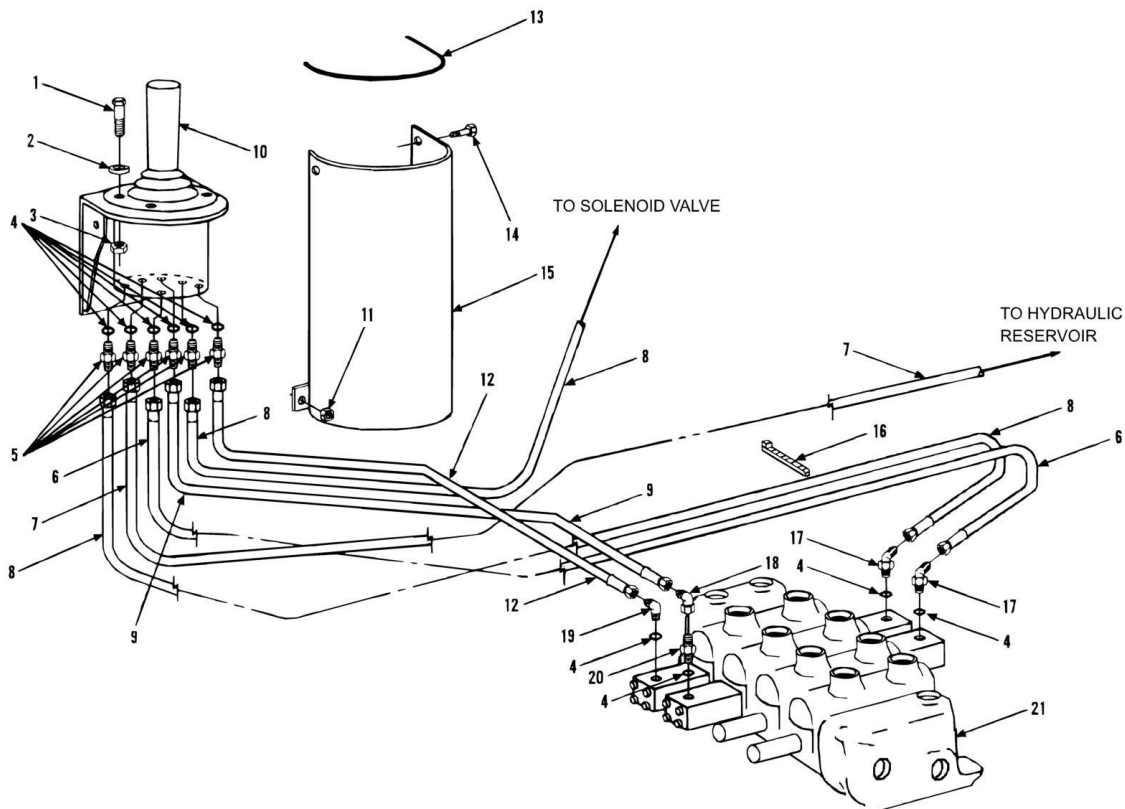
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-17. STEERING CYLINDER (SN 0344436 to Present, SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84718415	1	HOSE ASSY	
2	88662105	1	ELBOW, 90, (swivel nut)	
3	88662006	2	CONNECTOR (includes item 5)	
4	88662018	1	CONNECTOR (includes item 5)	
5	88591205	7	O-RING	
6	88662065	1	ELBOW, 90, (includes item 5)	
7	84718432	1	HOSE ASSY	
8	84718347	1	HOSE ASSY	
9	84718348	1	HOSE ASSY	
10		Ref	STEERING COLUMN (See CONTROLS SECTION for Breakdown)	
11		Ref	STEERING CONTROL UNIT (See CONTROLS SECTION for Breakdown)	
12	88591202	3	O-RING	
13	88662062	3	ELBOW, 90, (includes item 12)	
14	84716221	1	HOSE ASSY	
15		Ref	PRIORITY FLOW CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	88662140	1	RUN TEE (includes item 5)	
17	77133209	6	HEX HD CAPSCREW, 1/4-20X1-3/8	
18	77133052	3	COVER PLATE	
19	77133893	3	CLAMP SET	
20		Ref	STEERING CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88591204	2	O-RING	
22	84718339	1	HOSE ASSY	
23	88662140	2	RUN TEE (includes item 5)	
24	88662106	2	ELBOW, 90, (swivel nut)	
25	84718202	2	HOSE ASSY	
26	90027187	12	TIE WRAP	
27	88662064	2	ELBOW, 90, (includes item 21)	
28	88661341	1	TUBE END REDUCER (1/2-1/4)	
28	88661406	1	NUT	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-18. JOYSTICK CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



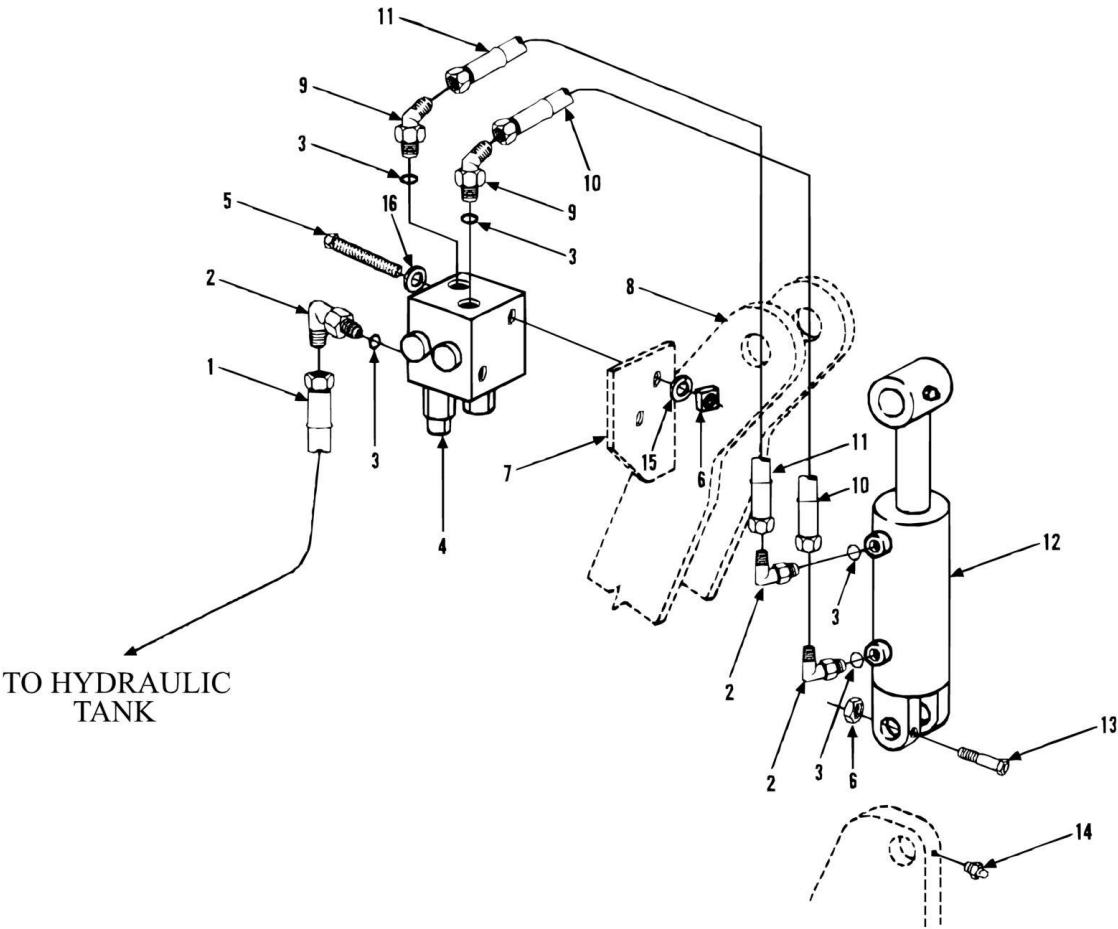
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-18. JOYSTICK CIRCUIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88261017	4	SOCKET BUTTON HD CAP SCREW, 1/4-20X7/8, GR5	
2	88551009	4	LOCKWASHER, 1/4	
3	88501004	4	HEX NUT, 1/4-20	
4	88591204	10	O-RING	
5	88662005	6	CONNECTOR (includes item 4)	
6	84717519	1	HOSE ASSY	
7	77133167	1	HOSE ASSY	
8	77133197	2	HOSE ASSY	
9	84718377	1	HOSE ASSY	
10		Ref	JOYSTICK (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	77143006	2	WHIZ LOCKNUT, 5/16-18	
12	77363126	1	HOSE ASSY	
13	90206199	AR	TRIM LOK	
14	77143003	2	WHIZ SCREW, 5/16-18X5/8	
15	91146047	1	COVER	
16	90027187	AR	TIE WRAP	
17	88662084	2	ELBOW, 45, (includes item 4)	
18	88662105	1	ELBOW, 90, (swivel nut)	
19	88662064	1	ELBOW, 90, (includes item 4)	
20	88662005	1	CONNECTOR (includes item 4)	
21		Ref	MAIN CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-19. STABILIZER CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



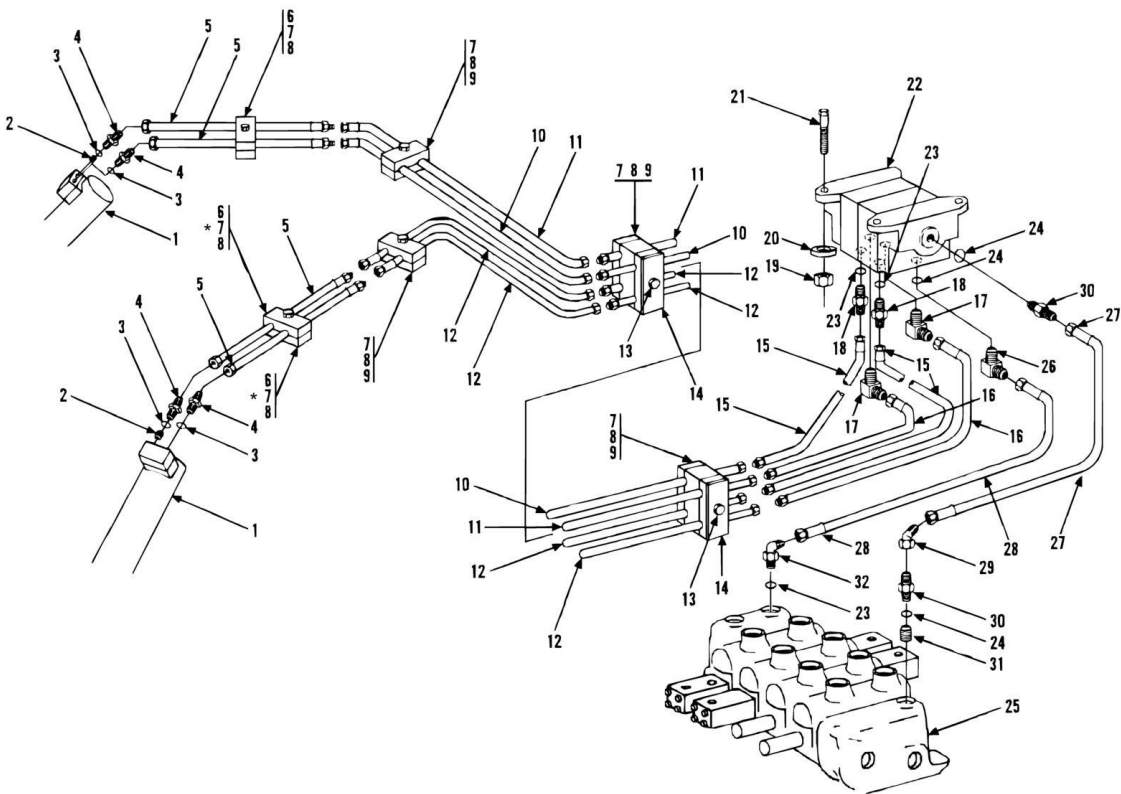
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-19. STABILIZER CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	84716426	1	HOSE ASSY	
2	88662065	3	ELBOW, 90, (includes item 3)	
3	88591205	5	O-RING	
4		Ref	STABILIZER VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
5	83201073	2	HEX HD CAPSCREW, 3/8-16X4-1/2, GR5	
6	91043199	2	SQUARE NUT	
7	91141235	1	BRACKET	
8	91141172	2	BRACKET	
9	88662085	2	ELBOW, 45, (includes item 3)	
10	84717848	1	HOSE ASSY	
11	84717847	1	HOSE ASSY	
12		Ref	STABILIZER CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
13	88201044	1	HEX HD CAP SCREW, 3/8-16X3-1/4, GR5	
14	88671008	1	LUBE FITTING, STRAIGHT, 1/4-28	
15	88551007	2	LOCKWASHER, #10	
16	88561001	4	FLAT WASHER, 3/16	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-20. OUTRIGGER CYLINDER (534C-10 SN 0266001 to Present)



SECTION 8 - HYDRAULIC CIRCUITS

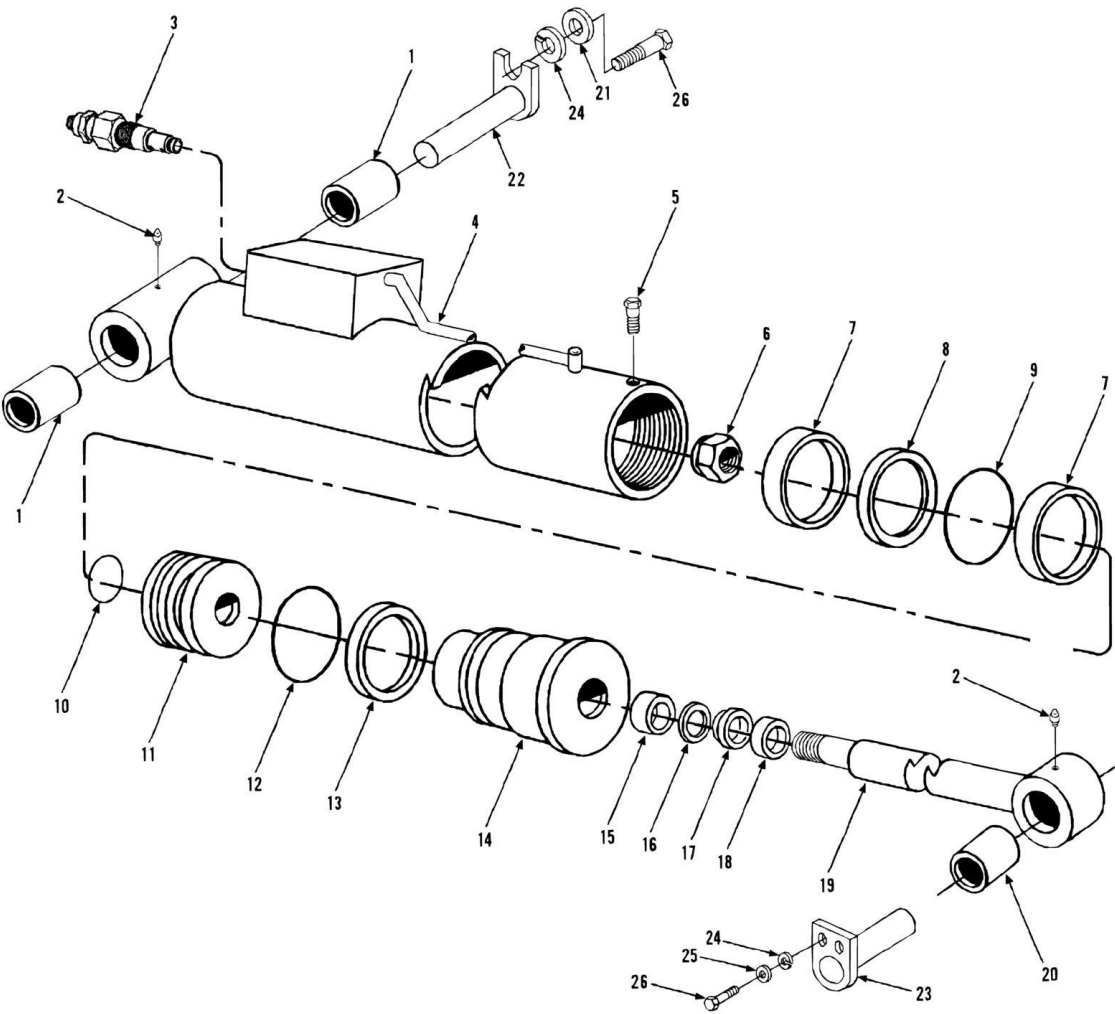
FIGURE 8-20. OUTRIGGER CYLINDER (534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	OUTRIGGER CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	91033201	2	ORIFICE CHECK	
3	88591205	4	O-RING	
4	88662018	4	CONNECTOR (includes item 3)	
5	84718421	4	HOSE ASSY	
6	77133139	2	CLAMP SET	
7	77133140	6	COVER PLATE	
8	77133177	6	HEX HD CAPSCREW, 5/16-18X1-3/8	
9	77133168	6	CLAMP SET	
10	91143064	1	TUBE ASSY	
11	91143063	1	TUBE ASSY	
12	91143062	2	TUBE ASSY	
13	77133389	2	STACK BOLT	
14	77133390	2	SAFETY CLIP	
15	84718418	2	HOSE ASSY	
16	84718554	2	HOSE ASSY	
17	91053450	2	ELBOW, 90, (includes item 88592020 o-ring)	
18	91053426	2	CONNECTOR (includes item 23)	
19	88501008	3	HEX NUT, 1/2-13	
20	88551013	3	LOCKWASHER, 1/2	
21	88201070	3	HEX HD CAPSCREW, 1/2-13X2-1/4	
22		Ref	OUTRIGGER CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
23	88591207	3	O-RING	
24	88591209	3	O-RING	
25		Ref	MAIN CONTROL VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26	88662061	1	ELBOW, 90, (includes item 24)	
27	84718420	1	HOSE ASSY	
28	84718419	1	HOSE ASSY	
29	88662122	1	ELBOW, 45, (swivel nut)	
30	88662025	2	CONNECTOR (includes item 24)	
31	88711285	1	PIPE PLUG	
32	88662067	1	ELBOW, 90, (includes item 23)	

SECTION 9 - HYDRAULIC COMPONENTS

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. (91143002) TILT CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



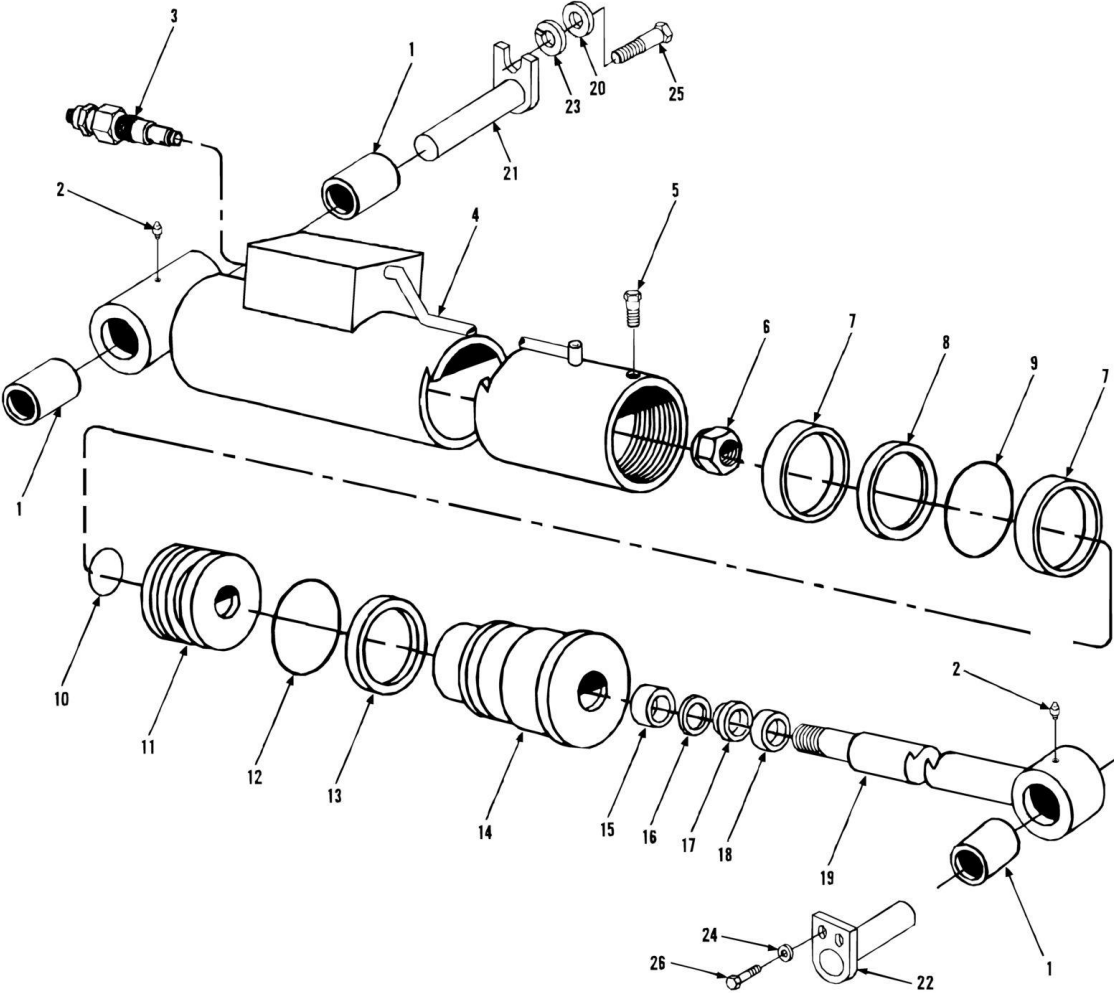
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. (91143002) TILT CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143002	1	TILT CYLINDER ASSY (includes items 1 thru 20)	
	91144004	1	SEAL KIT (includes items 7, 8, 9 10, 12, 13 & 15 thru 18)	
1	91064016	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	CYLINDER HEAD	
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	91166040	1	PIN WELDMENT	
24	88551013	3	LOCKWASHER, 1/2	
25	88561111	2	FLAT WASHER, 1/2	
26	88201065	3	HEX HD CAPSCREW, 1/2-13X1, GR5	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. (91143214) TILT CYLINDER (534C-9 SN 0344240 to Present; 534C-10 SN 0266032 to Present)



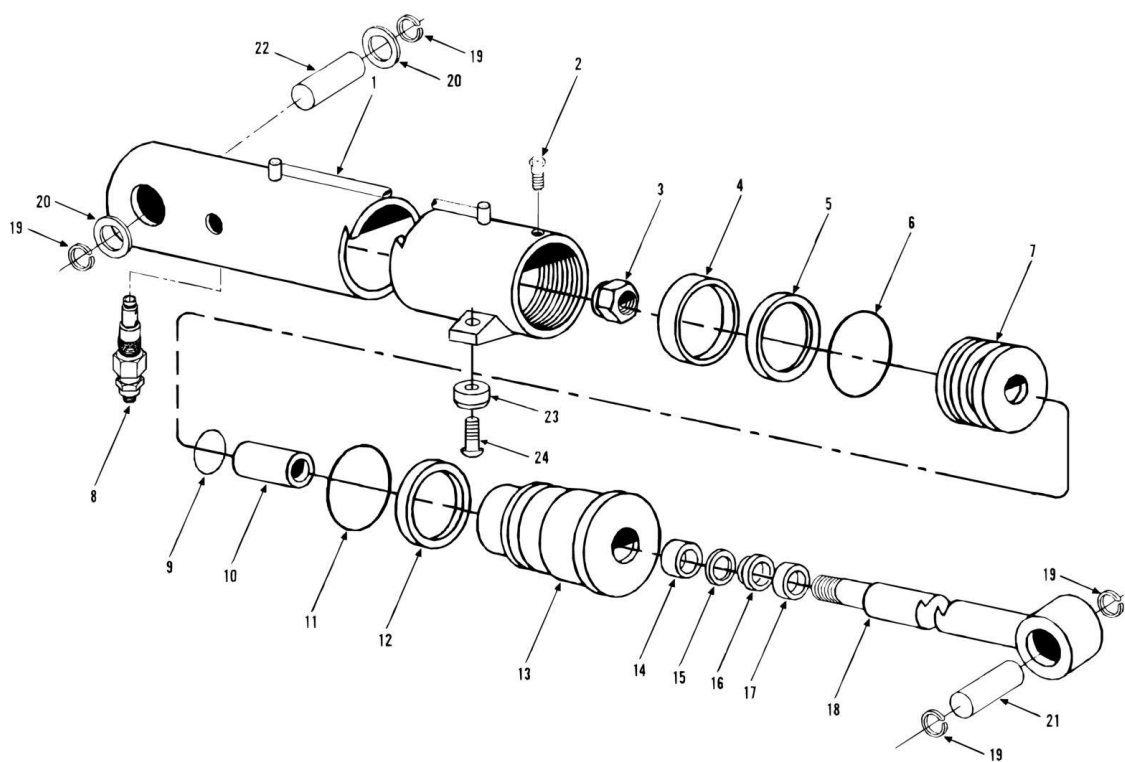
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. (91143214) TILT CYLINDER (534C-9 SN 0344240 to Present; 534C-10 SN 0266032 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143214	1	TILT CYLINDER ASSY (includes items 1 thru 19)	
	91144004	1	SEAL KIT (includes items 7, 8, 9,10, 12, 13 & 15 thru 18)	
1	91064016	3	BUSHING	
2	88671001	2	GREASE FITTING	
3	91123089	1	COUNTER BALANCE VALVE	
3	91034276	1	COUNTER BALANCE 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	83621283	1	SPECIAL WASHER	
21	91146052	1	PIN WELDMENT	
22	91166062	1	PIN WELDMENT	
23	88551013	1	LOCKWASHER, 1/2	
24	88561111	2	FLAT WASHER, 1/2	
25	88201065	1	HEX HD CAPSCREW, 1/2-13X1, GR5	
26	83201123	2	HEX HD CAPSCREW, 1/2-13X1, (nylok)	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. (91143001) CROWD CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



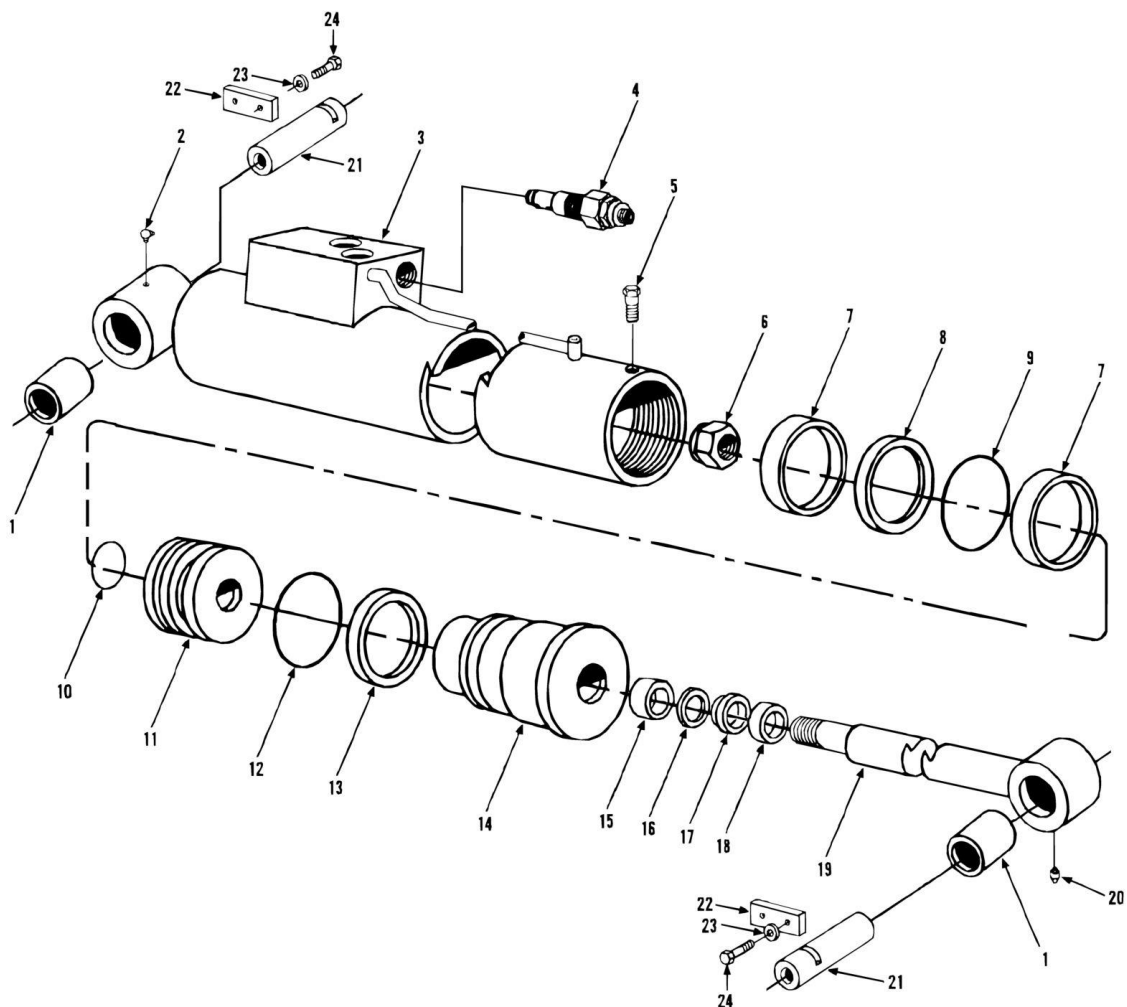
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. (91143001) CROWD CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143001	1	CROWD CYLINDER ASSY, (includes items 1 thru 18)	
	91144003	1	SEAL KIT, (includes items 4, 5, 6, 9, 11, 12 & 14 thru 17)	
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	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-4. (91143004) LIFT CYLINDER (SN 0344001 through 0344048, SN 0266001 through 0266003)



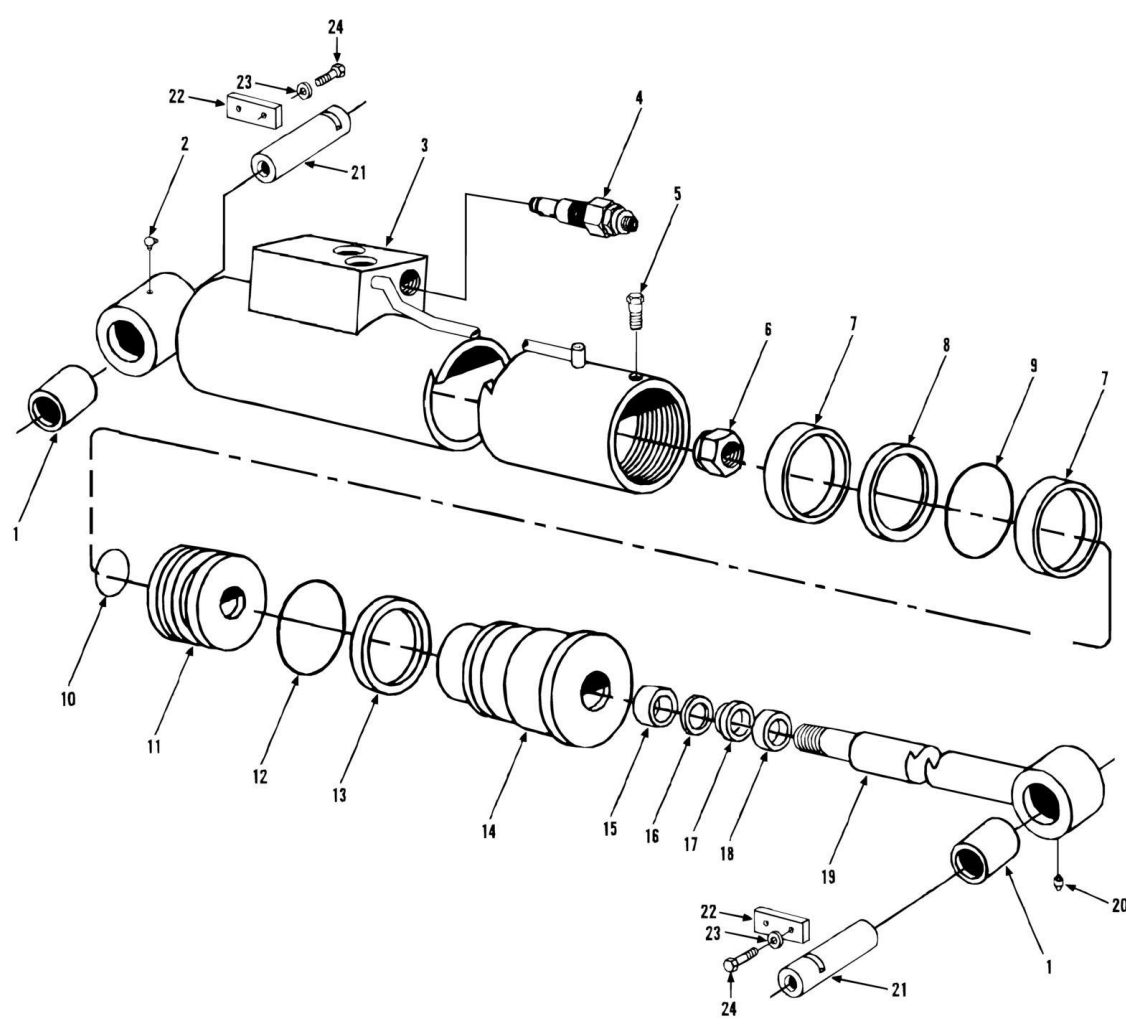
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-4. (91143004) LIFT CYLINDER (SN 0344001 through 0344048, SN 0266001 through 0266003)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143004	2	LIFT CYLINDER ASSY (includes items 1thru 20)	
	91144004	1	SEAL KIT (includes items 7, 8, 9, 10, 12, 13 & 15 thru 18)	
1	91144029	2	BUSHING	
2	88671022	1	GREASE FITTING, 90	
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	91144024	1	CYLINDER HEAD	
15	Kit	1	WEAR RING	
16	Kit	1	STEP SEAL	
17	Kit	1	U-CUP	
18	Kit	1	WIPER	
19	91144031	1	ROD ASSY	
20	88671001	1	GREASE FITTING	
21	91141126	2	PIN	
22	91081313	2	PIN KEEPER	
23	88551013	4	LOCKWASHER, 1/2	
24	88201065	4	HEX HD CAPSCREW, 1/2-13X1, GR5	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-5. (91143186) LIFT CYLINDER (SN 0344049 to Present, SN 0266004 to Present)



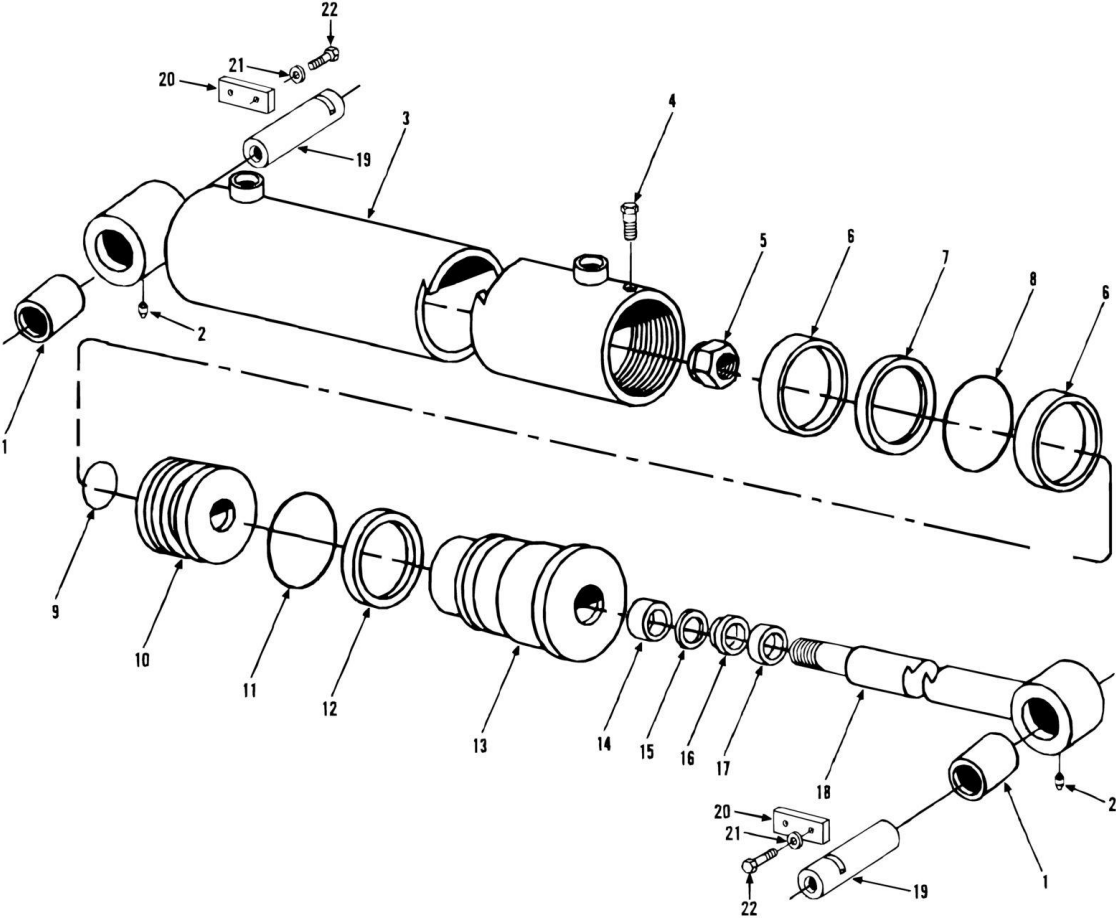
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-5. (91143186) LIFT CYLINDER (SN 0344049 to Present, SN 0266004 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143186	2	LIFT CYLINDER ASSY (includes items 1thru 20)	
	91144249	1	SEAL KIT (includes items 7, 8, 9, 10, 12, 13 & 15 thru 18)	
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	91141126	2	PIN	
22	91081313	2	PIN KEEPER	
23	88551013	4	LOCKWASHER, 1/2	
24	88201065	4	HEX HD CAPSCREW, 1/2-13X1, GR5	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-6. (91143003) COMPENSATING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



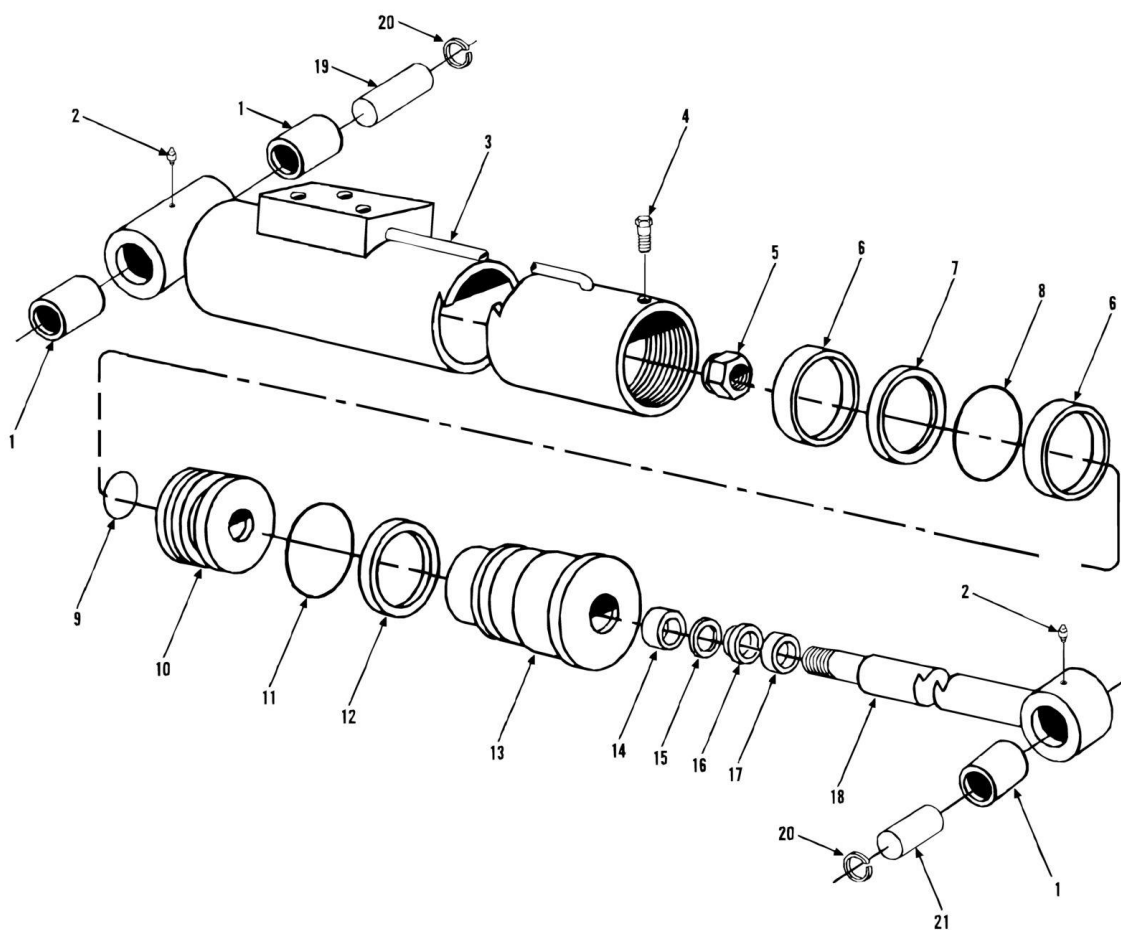
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-6. (91143003) COMPENSATING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143003	1	COMPENSATING CYLINDER ASSY (includes items 1 thru 18)	
	91144004	1	SEAL KIT (includes items 6, 7, 8, 9, 11, 12 & 14 thru 17)	
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	91081432	2	PIN	
20	91081313	2	PIN KEEPER	
21	88551013	4	LOCKWASHER, 1/2	
22	88201065	4	HEX HD CAPSCREW, 1/2-13X1, GR5	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-7. (91143007) SWAY CYLINDER ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



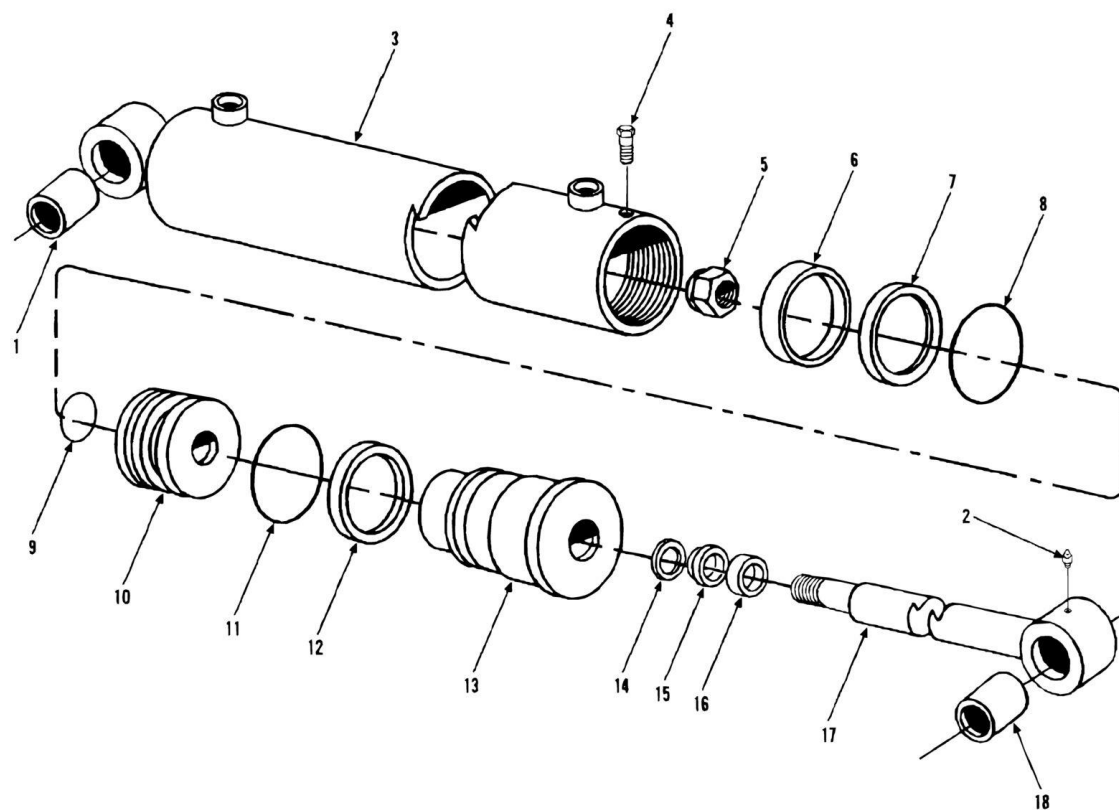
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-7. (91143007) SWAY CYLINDER ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143007	1	SWAY CYLINDER (includes items 1 thru 18)	
	91144005	1	SEAL KIT (includes items 6, 7, 8, 9, 11, 12 & 14 thru 17)	
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	91141316	1	PIN	
20	90028935	4	RETAINING RING	
21	90207352	1	PIN	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-8. (91143014) STEERING CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



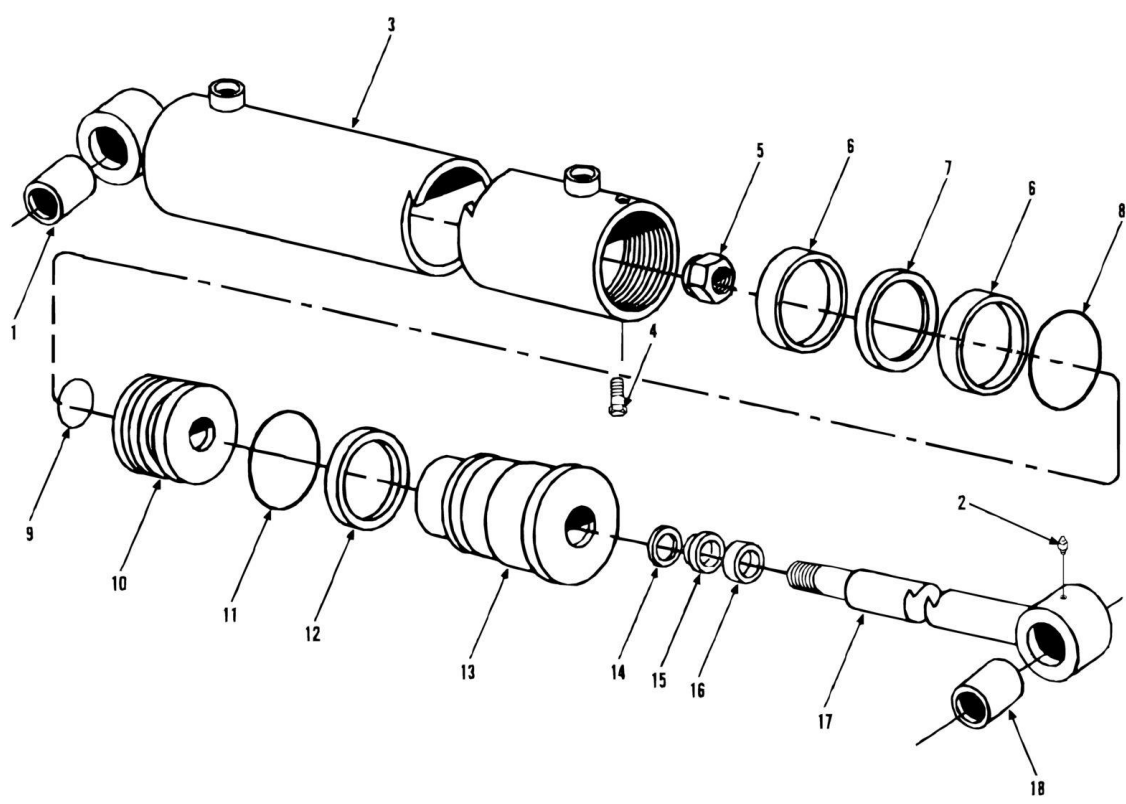
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-8. (91143014) STEERING CYLINDER (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143014	2	STEERING CYLINDER (includes all items)	
	91144006	1	SEAL KIT (includes items 6, 7, 8, 9, 11, 12, 14, 15 & 16)	
1	91124087	1	BUSHING, 1-1/2 O.D.	
1	91144267	1	BUSHING, 1-5/8 O.D.	
2	88671001	1	GREASE FITTING	
3	91144037	1	CASE ASSY	
4	91144017	1	CAPSCREW, #8X32X.375	
5	91144038	1	LOCKNUT (torque 400-425 ft lbs)	
6	Kit	1	WEAR RING	
7	Kit	1	PISTON SEAL	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	91144039	1	PISTON	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91144040	1	CYLINDER HEAD (torque to 100-400 ft lbs)	
14	Kit	1	STEP SEAL	
15	Kit	1	U-CUP	
16	Kit	1	WIPER	
17	91144041	1	ROD ASSY	
18	91043246	1	SELF-ALIGNING BUSHING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-9. (91163090) STEERING CYLINDER (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)



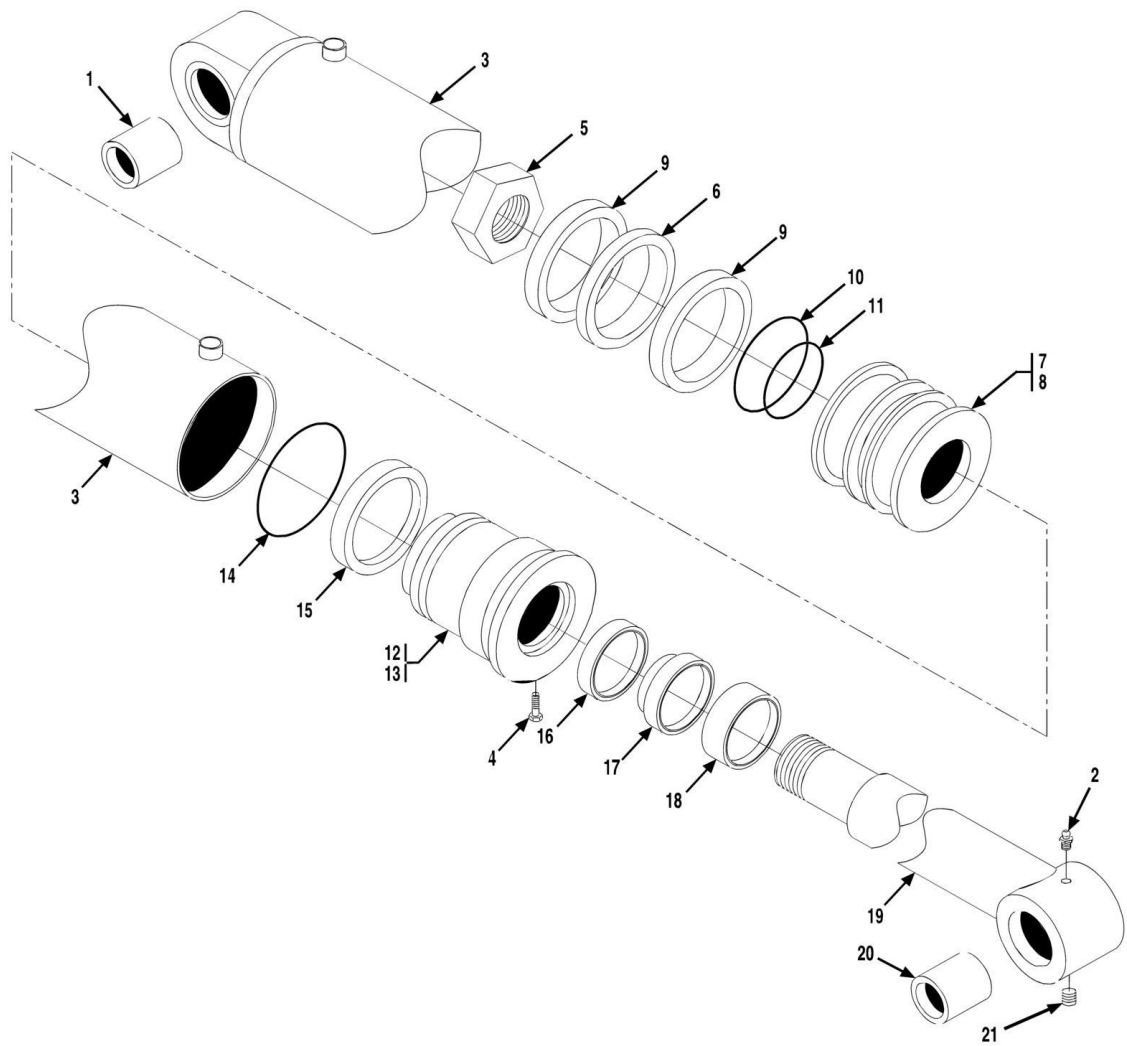
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-9. (91163090) STEERING CYLINDER (534C-9 SN 0344436 to Present; 534C-10 SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163090	2	STEERING CYLINDER (includes all items)	
	91144006	1	SEAL KIT (includes items 6, 7, 8, 9, 11, 12, 14, 15 & 16)	
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 400-425 ft lbs)	
6	Kit	2	WEAR RING	
7	Kit	1	PISTON SEAL	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	91144039	1	PISTON	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	91144040	1	CYLINDER HEAD (torque to 100-400 ft lbs)	
14	Kit	1	STEP SEAL	
15	Kit	1	U-CUP	
16	Kit	1	WIPER	
17	91164026	1	ROD ASSY	
18	91043246	1	SELF-ALIGNING BUSHING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-10. (91163178) STEERING CYLINDER (534C-9 SN 0344514 to Present; 534C-10 SN 026607 to Present)



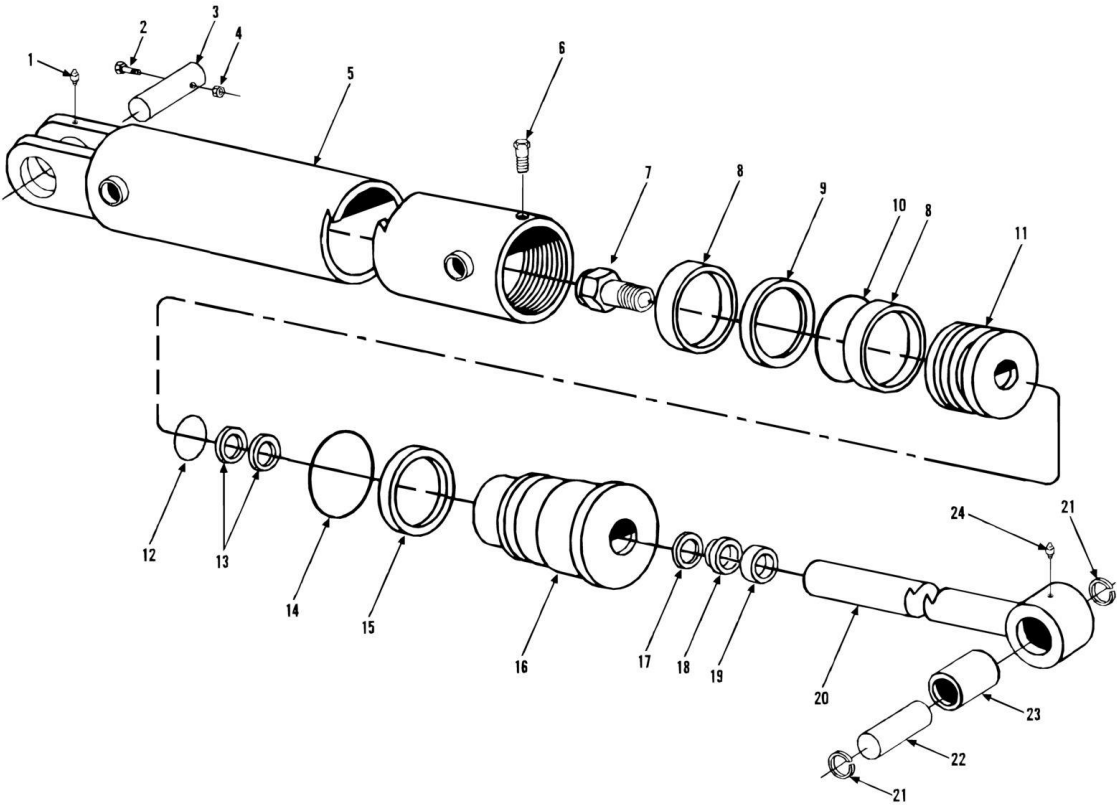
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-10. (91163178) STEERING CYLINDER (534C-9 SN 0344514 to Present; 534C-10 SN 026607 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163178	2	STEERING CYLINDER (includes all items)	
	91144006	1	SEAL KIT, (includes items 6, 9, 10, 11 & 14 thru 18)	
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 400-425 ft lbs)	
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 ft lbs)	
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	91043246	1	BUSHING	
21		Ref	HEX PLUG, 1/8-27 NPT	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-11. (91143113) STABILIZER CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



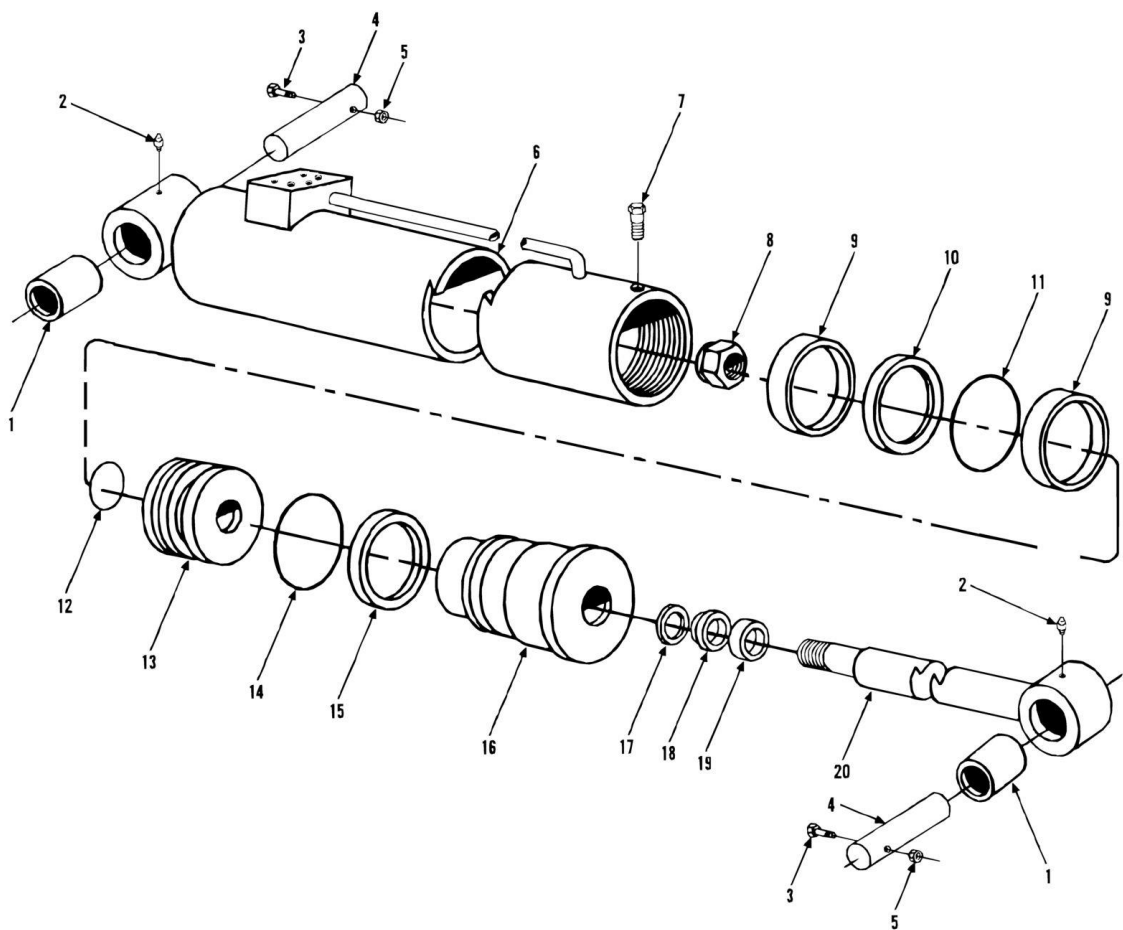
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-11. (91143113) STABILIZER CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143113	1	STABILIZER CYLINDER (includes items 5 thru 20 and items 23 & 24)	
	91144007	1	SEAL KIT (includes items 8, 9, 10, 12, 13, 14, 15, 17, 18 & 19)	
1	88671008	1	LUBE FITTING	
2	88201044	1	HEX HD CAPSCREW, 3/8-16X3-1/4, GR5	
3	91121017	1	PIN	
4	88521206	1	LOCKNUT	
5	91154043	1	CASE ASSY	
6	91144017	1	CAPSCREW, #8X32X.375	
7	91154044	1	BOLT (torque 425-450 ft lbs)	
8	Kit	2	WEAR RING	
9	Kit	1	PISTON SEAL	
10	Kit	1	O-RING	
11	91154045	1	PISTON	
12	Kit	1	O-RING	
13	Kit	2	BACK-UP RING	
14	Kit	1	O-RING	
15	Kit	1	BACK-UP RING	
16	91154046	1	CYLINDER HEAD	
17	Kit	1	STEP SEAL	
18	Kit	1	U-CUP	
19	Kit	1	WIPER	
20	91154047	1	ROD ASSY	
21	88581140	2	RETAINING RING	
22	91041227	1	PIN	
23	91154048	1	BUSHING	
24	88671001	1	GREASE FITTING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-12. (91143048) OUTRIGGER CYLINDER (SN 0266001 to Present)



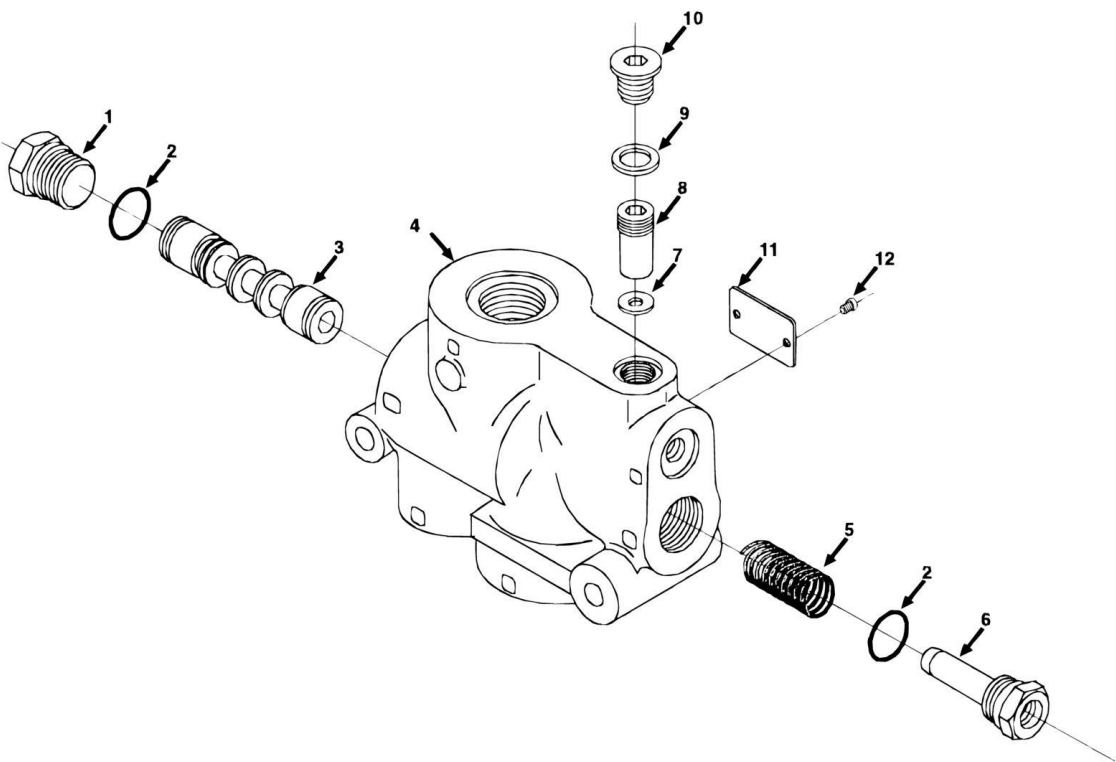
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-12. (91143048) OUTRIGGER CYLINDER (SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143048	2	OUTRIGGER CYLINDER (534C-10) (includes items 1, 2 & 6 thru 20)	
	91144004	1	SEAL KIT (includes items 9, 10, 11, 12, 14, 15, 17, 18 & 19)	
1	91154002	2	BUSHING	
2	88671001	2	GREASE FITTING	
3	83201073	2	HEX HD CAPSCREW, 3/8-16X4-1/2, GR5	
4	91031141	2	SHOE PIN	
5	88521206	2	HEX LOCKNUT, 3/8-16 (nylok)	
6	91154003	1	CASE ASSY	
7	91144017	1	CAPSCREW, #8-32X.375	
8	91034153	1	LOCKNUT	
9	Kit	2	WEAR RING	
10	Kit	1	PISTON SEAL	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	91034139	1	PISTON	
14	Kit	1	O-RING	
15	Kit	1	BACK-UP RING	
16	91144024	1	CYLINDER HEAD	
17	Kit	1	STEP SEAL	
18	Kit	1	U-CUP	
19	Kit	1	WIPER	
20	91154004	1	ROD ASSY	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. (91143047) PRIORITY FLOW CONTROL VALVE (SN 0344001 to Present, SN 0266001 to Present)



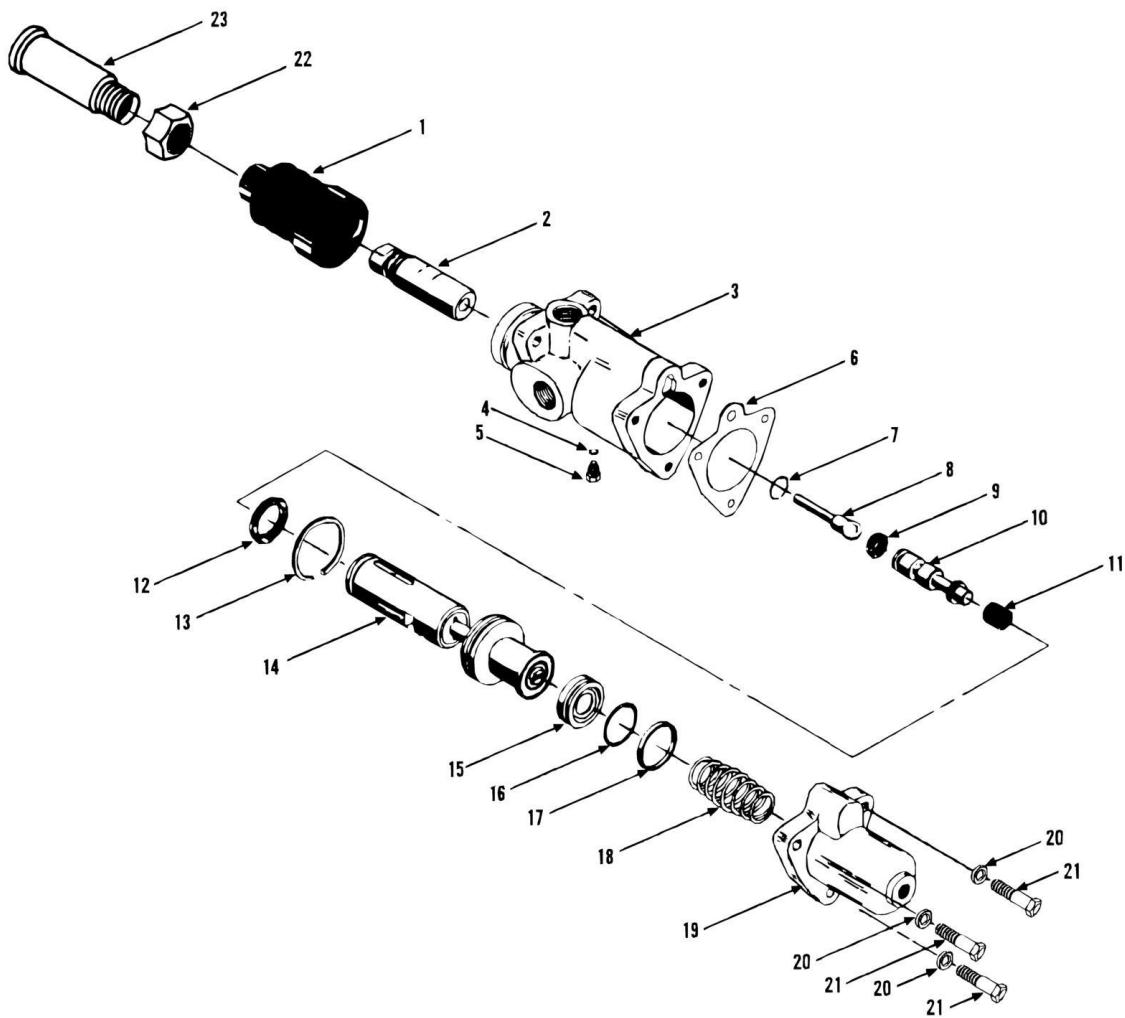
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. (91143047) PRIORITY FLOW CONTROL VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143047	1	PRIORITY FLOW CONTROL VALVE	
	91144062	AR	SEAL KIT (includes items 2, 7 & 9)	
1	91144063	1	EXTERNAL PLUG	
2	91144064	2	O-RING	
3		Ref	SPOOL	
4		Ref	HOUSING	
5	91144065	1	SPRING	
6	91144066	1	LS PLUG	
7	91144067	1	SEAL WASHER	
8	91144068	1	PILOT RELIEF VALVE	
9	91144069	1	SEAL RING	
10	91144070	1	PLUG	
11	91144071	1	NAME PLATE	
12	91144072	1	DRIVE SCREW	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-14. (91123131) BRAKE VALVE (SN 0344001 to Present, SN 0266001 to Present)



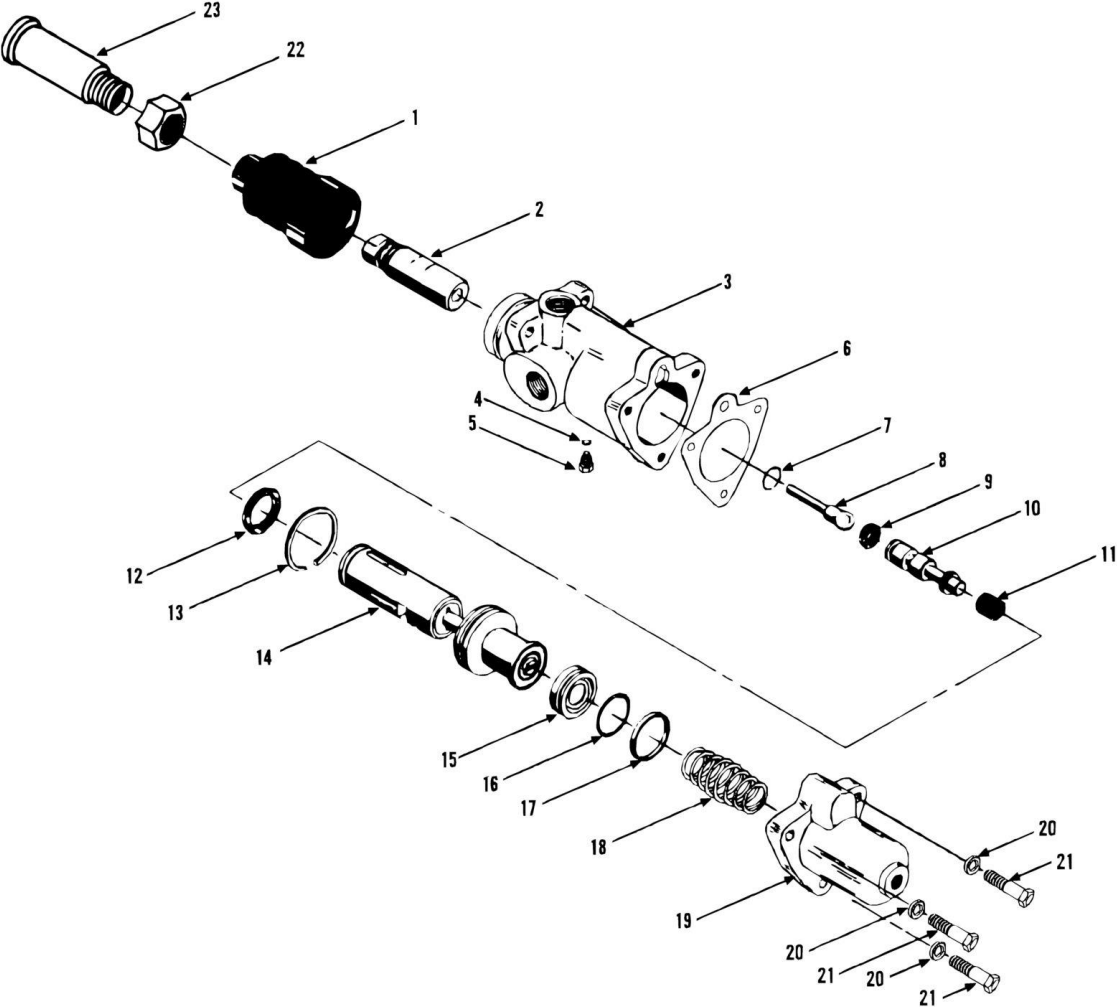
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-14. (91123131) BRAKE VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91083294	1	DISCONTINUED - POWER BRAKE VALVE, ORDER P/N 91123131 (service items interchange)	
	91123131	1	POWER BRAKE VALVE (includes items 1 thru 22)	
	91084043	1	REPAIR KIT (includes items 1, 4, 6, 9, 12, 13, 15, 16 & 17)	
1	91084042	1	BOOT	
2		Ref	PRESSURE REGULATING SPRING ASSY	
3		Ref	HOUSING	
4	Kit	1	O-RING	
5		Ref	CAPSCREW	
6	Kit	1	GASKET	
7		Ref	RETAINING RING	
8		Ref	PUSH ROD	
9	Kit	1	CUP	
10		Ref	SPOOL (not available for service, order 91123131)	
11		Ref	SPRING	
12	Kit	1	CUP	
13	Kit	1	PISTON RING	
14		Ref	SLEEVE AND PISTON ASSY	
15	Kit	1	PISTON AND POPPET ASSY	
16	Kit	1	O-RING	
17	Kit	1	RING SEAL	
18		Ref	SPRING	
19		Ref	END CAP	
20		Ref	LOCKWASHER	
21		Ref	HEX HD CAPSCREW	
22	88501408	1	HEX JAM NUT, 1/2-20	
23	91081445	1	PUSH ROD	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-15. (91143201) BRAKE VALVE (SN 0344394 to Present, SN 0266057 to Present)



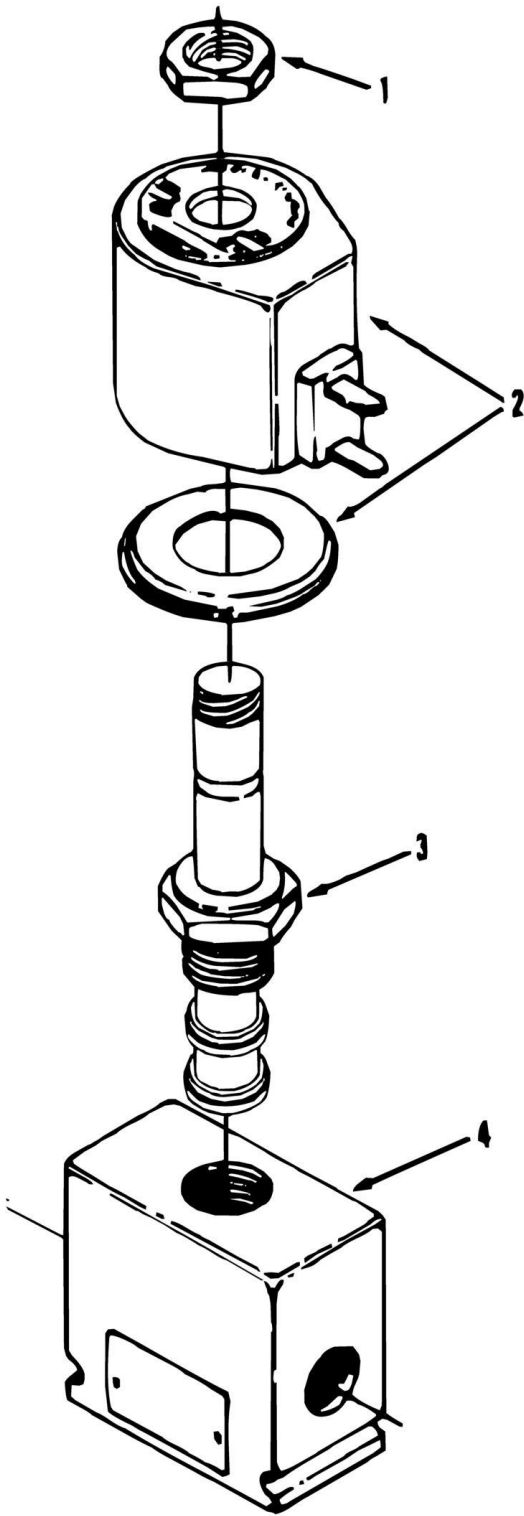
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-15. (91143201) BRAKE VALVE (SN 0344394 to Present, SN 0266057 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143201	1	POWER BRAKE VALVE (includes items 1 thru 22)	
	91084043	1	REPAIR KIT (includes items 1, 4, 6, 9, 12, 13, 15, 16 & 17)	
1	91084042	1	BOOT	
2		Ref	PRESSURE REGULATING SPRING ASSY	
3		Ref	HOUSING	
4	Kit	1	O-RING	
5		Ref	CAPSCREW	
6	Kit	1	GASKET	
7		Ref	RETAINING RING	
8		Ref	PUSH ROD	
9	Kit	1	CUP	
10		Ref	SPOOL (not available for service, order 91143201)	
11		Ref	SPRING	
12	Kit	1	CUP	
13	Kit	1	PISTON RING	
14		Ref	SLEEVE AND PISTON ASSY	
15	Kit	1	PISTON AND POPPET ASSY	
16	Kit	1	O-RING	
17	Kit	1	RING SEAL	
18		Ref	SPRING	
19		Ref	END CAP	
20		Ref	LOCKWASHER	
21		Ref	HEX HD CAPSCREW	
22	88501408	1	HEX JAM NUT, 1/2-20	
23	91081445	1	PUSH ROD	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-16. (91043446) SOLENOID VALVE (SN 0344001 to Present, SN 0266001 to Present)



SECTION 9 - HYDRAULIC COMPONENTS

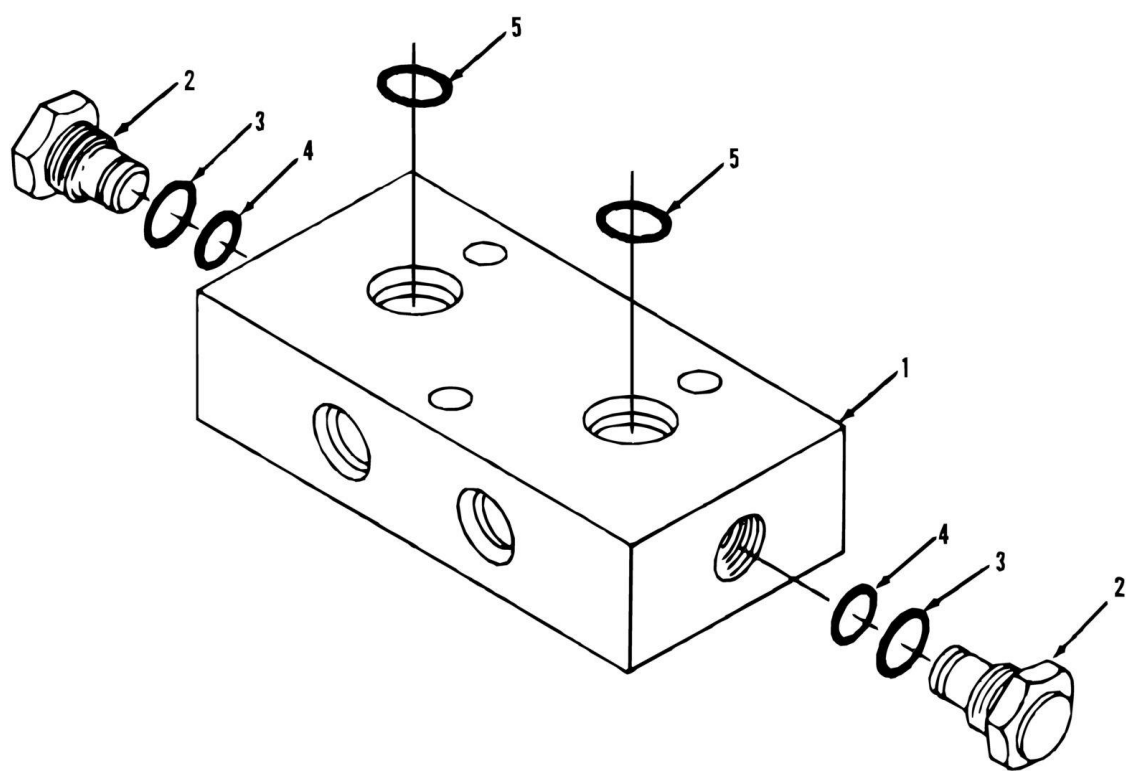
FIGURE 9-16. (91043446) SOLENOID VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91043446	1	3-WAY SOLENOID VALVE (includes all items)	
1	90208066	1	NUT	
2	91144158	1	COIL	
3	91144159	1	CORE ASSY (3-way, 2-position)	
4	80934035	1	VALVE BODY	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-17. (91083262) DUAL P.O. CHECK VALVE (SN 0344001 to Present, SN 0266001 to Present)

NOTE! 91083262 DUAL P.O. CHECK VALVE IS USED ON THE FOLLOWING
(91143007) FRONT SWAY CYLINDER, (See SWAY CYLINDER ASSEMBLY for Breakdown)
(91085058) 48IN SLOPE PILER CARRIAGE, (See ATTACHMENTS SECTION for Breakdown)
(91305016) 66IN SLOPE PILER CARRIAGE, (See ATTACHMENTS SECTION for Breakdown)



SECTION 9 - HYDRAULIC COMPONENTS

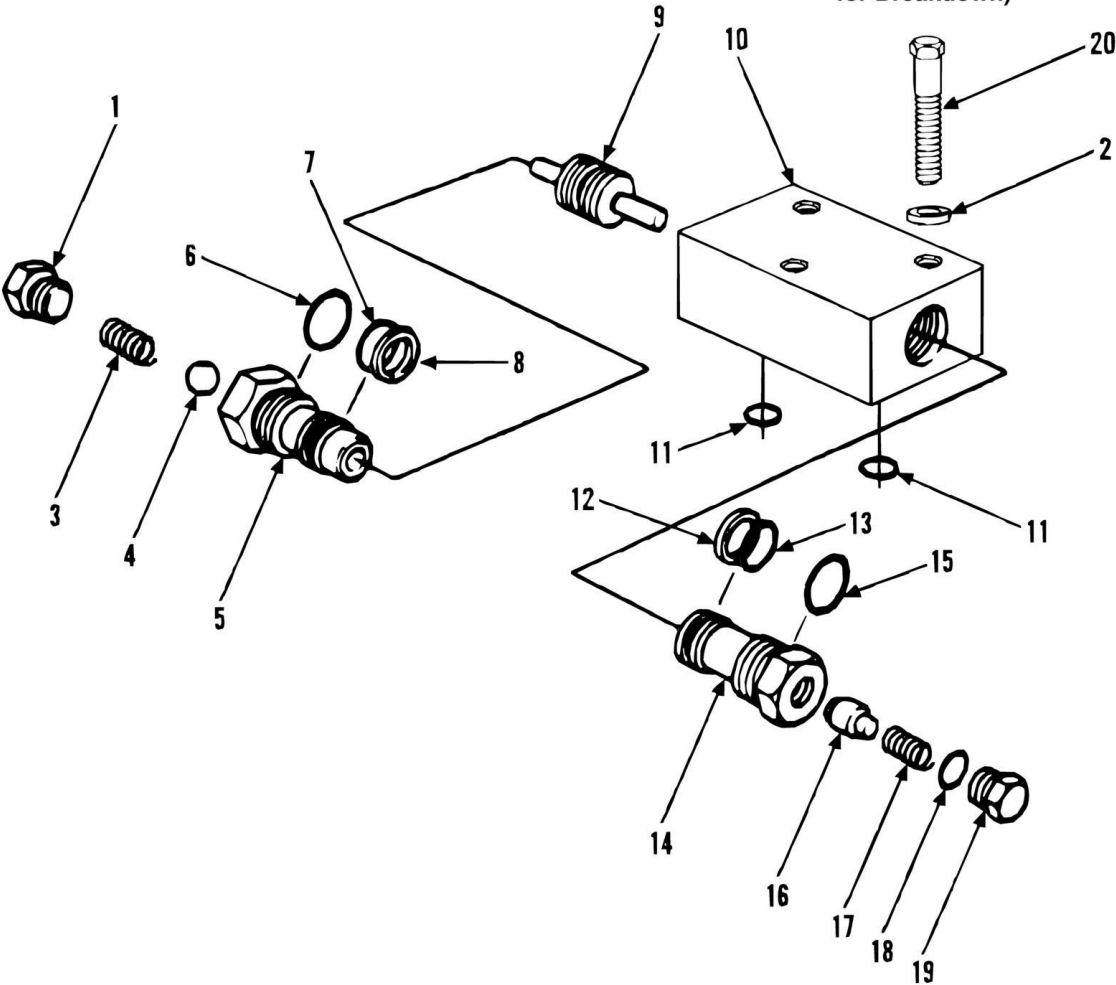
FIGURE 9-17. (91083262) DUAL P.O. CHECK VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91083262	1	DUAL P.O. CHECK VALVE ASSY (also shown on See OPTIONAL EQUIPMENT SECTION)	
	91044002	Ref	SEAL KIT (includes items 3 & 4)	
		Ref	BODY	
	77133248	2	CHECK VALVE (includes items 3 & 4)	
	91084227	2	O-RING	
2	91084228	2	O-RING	
3	88591009	2	O-RING	
4		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	
5				

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-18. (91043258) DUAL P.O. CHECK VALVE (SN 0266001 to Present)

NOTE! 91043258 DUAL P.O. CHECK VALVE IS USED ON THE
FOLLOWING:
(91143048) OUTRIGGER CYLINDER,(See OUTRIGGER CYLINDER
for Breakdown)



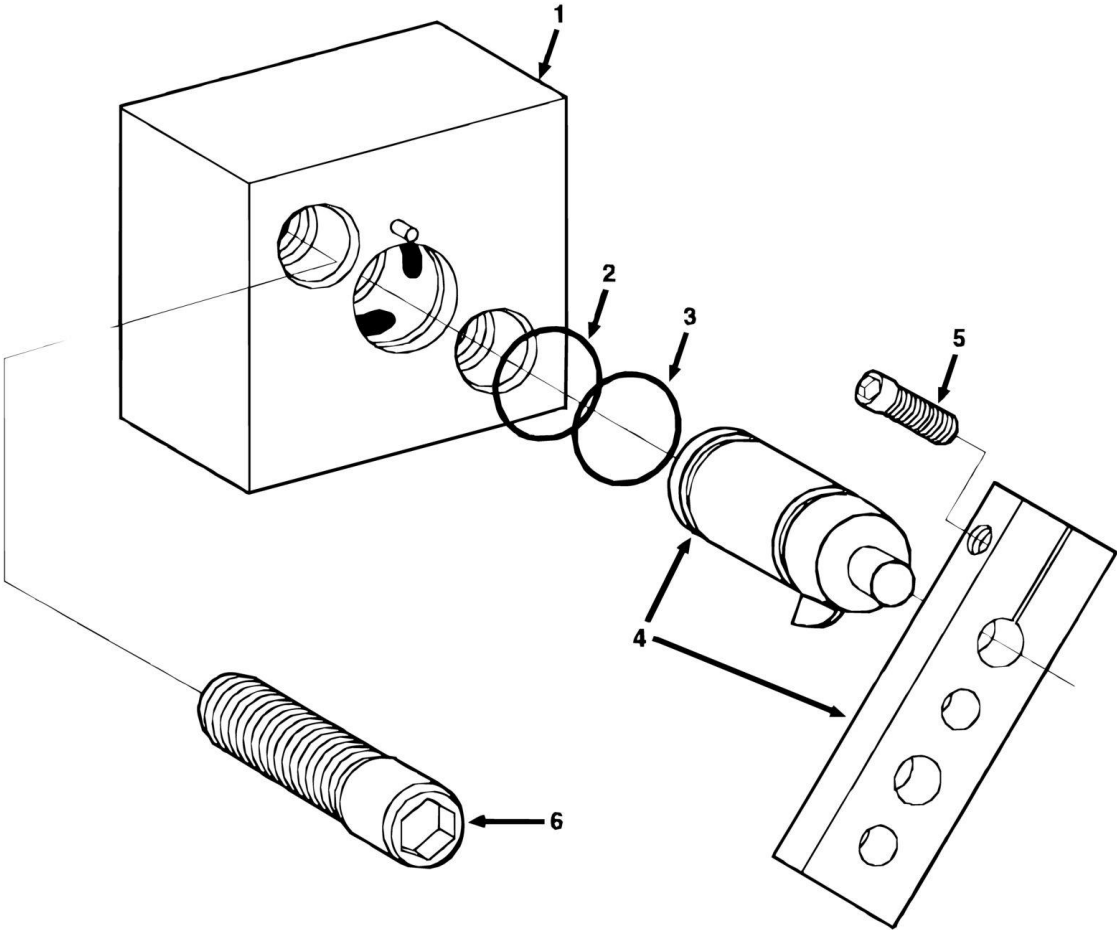
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-18. (91043258) DUAL P.O. CHECK VALVE (SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91043258	2	DUAL P.O. CHECK VALVE ASSY (includes all items except 2, 20)	
	91044304	1	CHECK CARTRIDGE ASSY (includes items 1, 3, 4, 5, 6, 7 & 8)	
	91034107	1	CHECK CARTRIDGE ASSY W/THERMAL RELIEF (includes items 12 thru 19)	
1	91044308	1	PLUG	
2	88551011	3	LOCKWASHER, 3/8	
3	91044309	1	SPRING	
4	91034111	1	BALL	
5	91034112	1	CARTRIDGE BODY	
6	91044305	1	O-RING	
7	91044306	1	O-RING	
8	91044307	1	BACK-UP RING	
9	91034116	1	PISTON	
10	91034117	1	BODY	
11	91034118	2	O-RING	
12	91034115	1	BACK-UP RING	
13	91034114	1	O-RING	
14	91034112	1	CARTRIDGE BODY	
15	91034113	1	O-RING	
16	91034119	1	THERMAL RELIEF ASSY	
17	91034120	1	SPRING	
18	91034109	1	O-RING	
19	91034121	1	PLUG	
20	88201040	3	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
		Ref	NOTE: QUANTITIES SHOWN ARE FOR ONE VALVE ASSY ONLY.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-19. (91143140) INCHING VALVE (SN 0344001 to Present, SN 0266001 to Present)



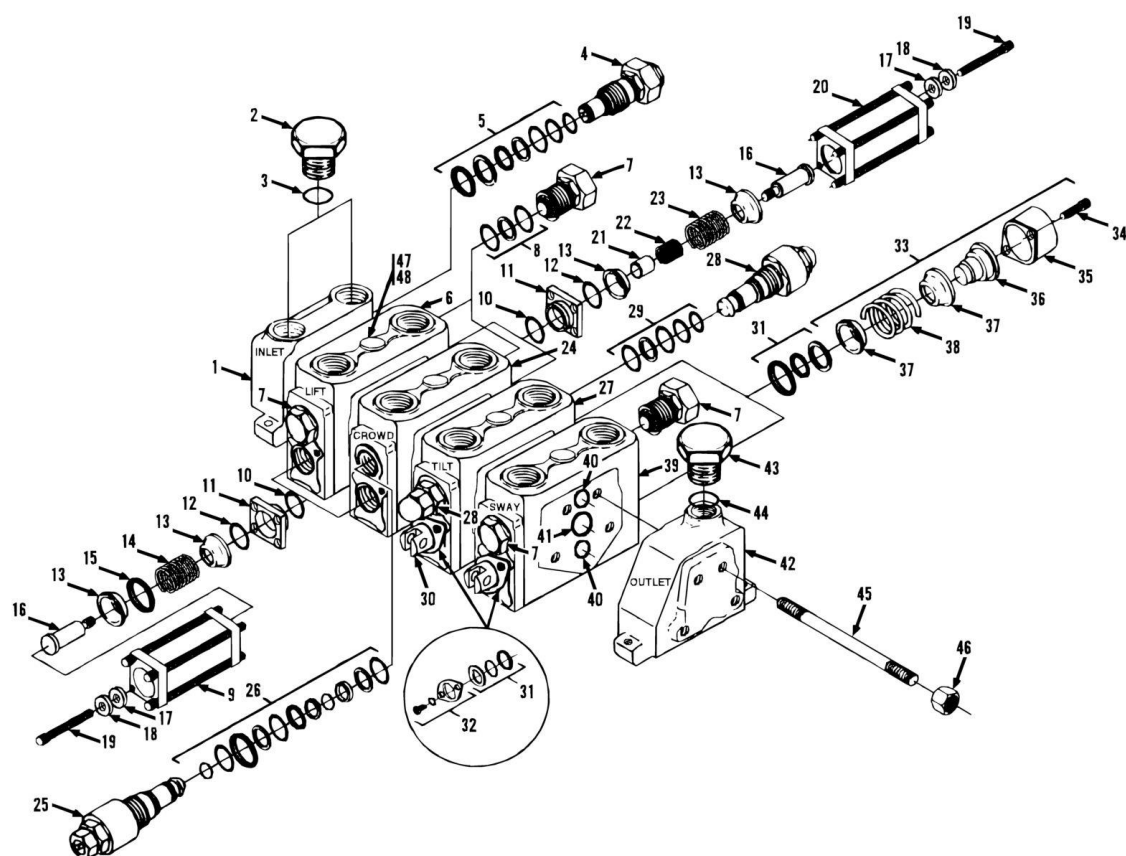
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-19. (91143140) INCHING VALVE (SN 0344001 to Present, SN 0266001 to Present)

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	SOC HD CAP SCR,5/16-18 X 1 LG	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-20. (91143017) MAIN CONTROL VALVE (SN 0344001 to Present, SN 0266001 to Present)



SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-20. (91143017) MAIN CONTROL VALVE (SN 0344001 to Present, SN 0266001 to Present)

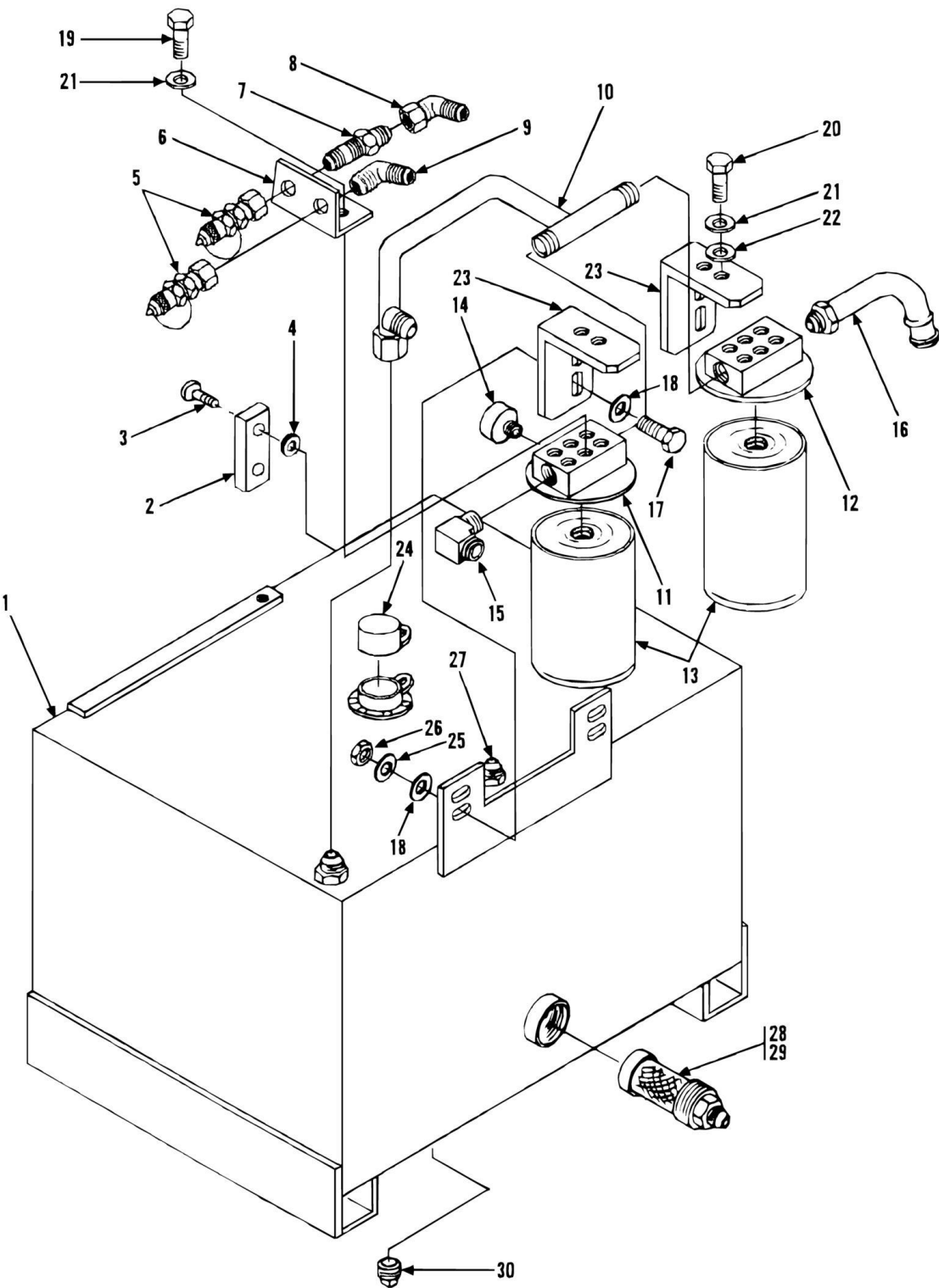
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91144194	1	AUXILIARY VALVE SECTION	
	91034070	1	STUD KIT	
	91144254	2	SECTION SEAL KIT	
	91143017	1	MAIN CONTROL VALVE ASSY (includes all items)	
	91034105	1	STUD KIT (includes four each of items 45 & 46)	
	91144161	1	SEAL KIT (includes ten of item 40 and five of item 41)	
	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)	
1	91144162	1	L.E. INLET COVER ASSY (includes items 2 thru 4)	
2	91144250	2	PLUG (includes item 3)	
3		Ref	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		Ref	O-RING	
11		Ref	SPACER	
12		Ref	O-RING	
13		Ref	STOP COLLAR	
14		Ref	SPRING	
15		Ref	SPACER	
16		Ref	POSITIONER	
17		Ref	BEARING PLATE	
18		Ref	LOCKWASHER	
19		Ref	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		Ref	STOP SLEEVE	
22		Ref	SPRING	
23		Ref	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		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	Kit	2	HEX HD CAPSCREW, 1/4-20x.875	
35	Kit	1	BONNET	
36	Kit	1	SPOOL COLLAR	
37	Kit	2	SPRING COLLAR	
38	Kit	1	SPRING	
39	91144167	1	SWAY SECTION (includes two of item 7, plus one of items 30, 32 & 33)	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	Kit	10	O-RING	
41	Kit	5	O-RING	
42	91144163	1	R.E. OUTLET COVER ASSY (includes item 43)	
43	91144251	1	PLUG (includes item 44)	
44		Ref	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		Ref	O-RING (included in section seal kit 91144254)	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-21. (91145129) HYDRAULIC RESERVOIR AND FILTERS (SN 0344001 to Present, SN 0266001 to Present)



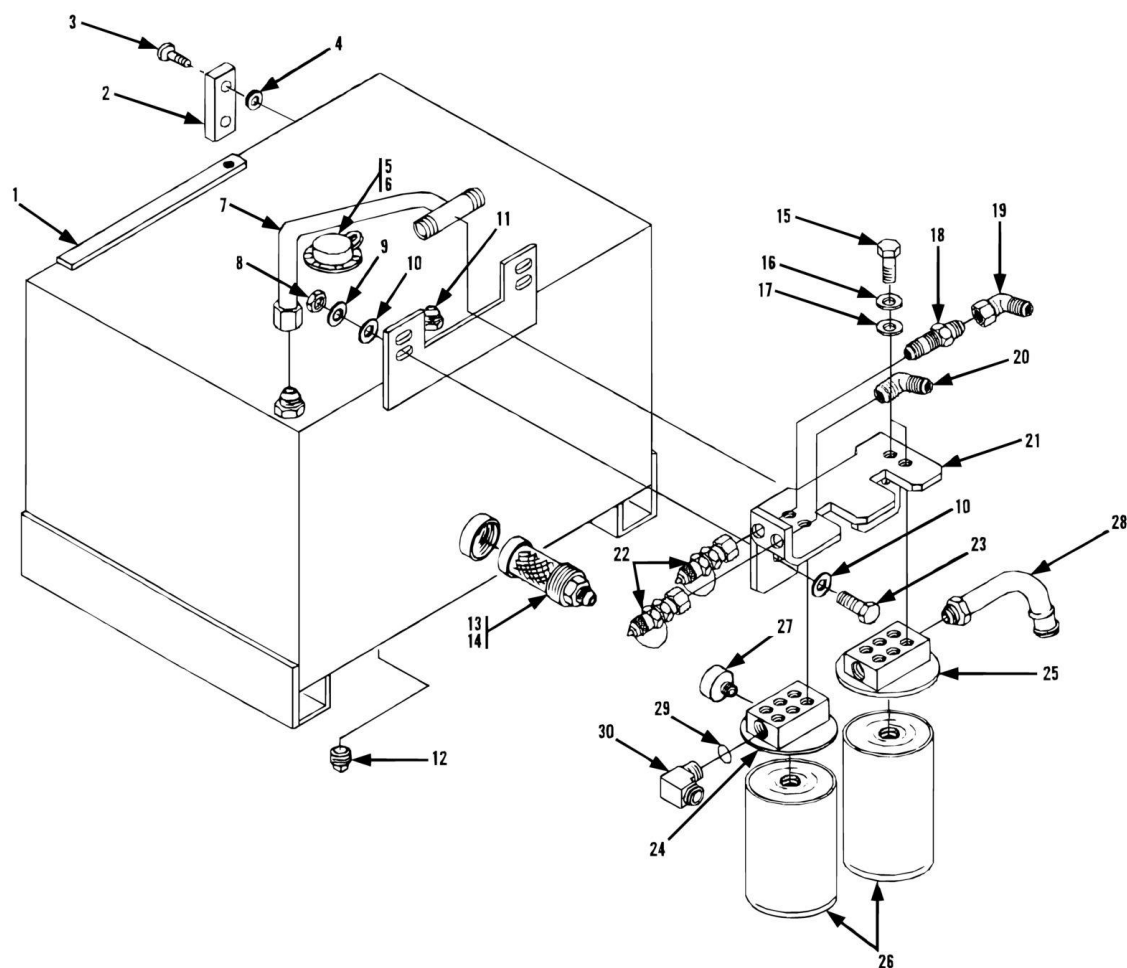
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-21. (91145129) HYDRAULIC RESERVOIR AND FILTERS (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145129	1	HYDRAULIC RESERVOIR ASSY (includes all items)	
1	91143133	1	HYDRAULIC OIL TANK (includes item 30)	
2	91083070	1	FLUID LEVEL GAUGE (includes items 3 & 4)	
3		Ref	SCREW	
4		Ref	WASHER	
5	91143172	2	MINI CHECK COUPLING	
6	91141222	1	BRACKET	
7	88661084	1	BULKHEAD UNION, 9/16-18X3/8 TUBE	
8	88662105	1	ELBOW, 90, (swivel nut)	
9	90027179	1	BULKHEAD UNION, 90	
10	91143061	1	TUBE ASSY	
11	91143135	1	RETURN FILTER (includes one of item 13 and item 14)	
12	91143160	1	SUCTION FILTER (includes one of item 13)	
13	91143144	2	FILTER ELEMENT	
14	91084022	1	COLOR CODED GAUGE	
15	91083241	1	ELBOW, 90	
16	91143086	1	ADAPTER, 90	
17	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
18	88561004	8	WASHER, 3/8	
19	88201016	2	HEX HD CAPSCREW, 5/16-18x1/2, GR5	
20	88201020	4	HEX HD CAPSCREW, 5/16-18X1, GR5	
21	88561005	6	WASHER, 1/2	
22	88561003	4	WASHER, 5/16	
23	91141145	2	FILTER SUPPORT	
24	91083069	1	FILLER BREATHER	
25	88551011	4	LOCKWASHER, 3/8	
26	88501006	4	HEX NUT, 3/8-16	
27	88661013	1	MALE CONNECTOR	
28	91143178	1	TANK FILTER	
29	91143179	1	STRAIGHT CONNECTOR	
30		Ref	PLUG	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-22. (91145129) HYDRAULIC RESERVOIR AND FILTERS (534C-9 SN 0344384 to Present;
534C-10 SN 0266056 to Present)



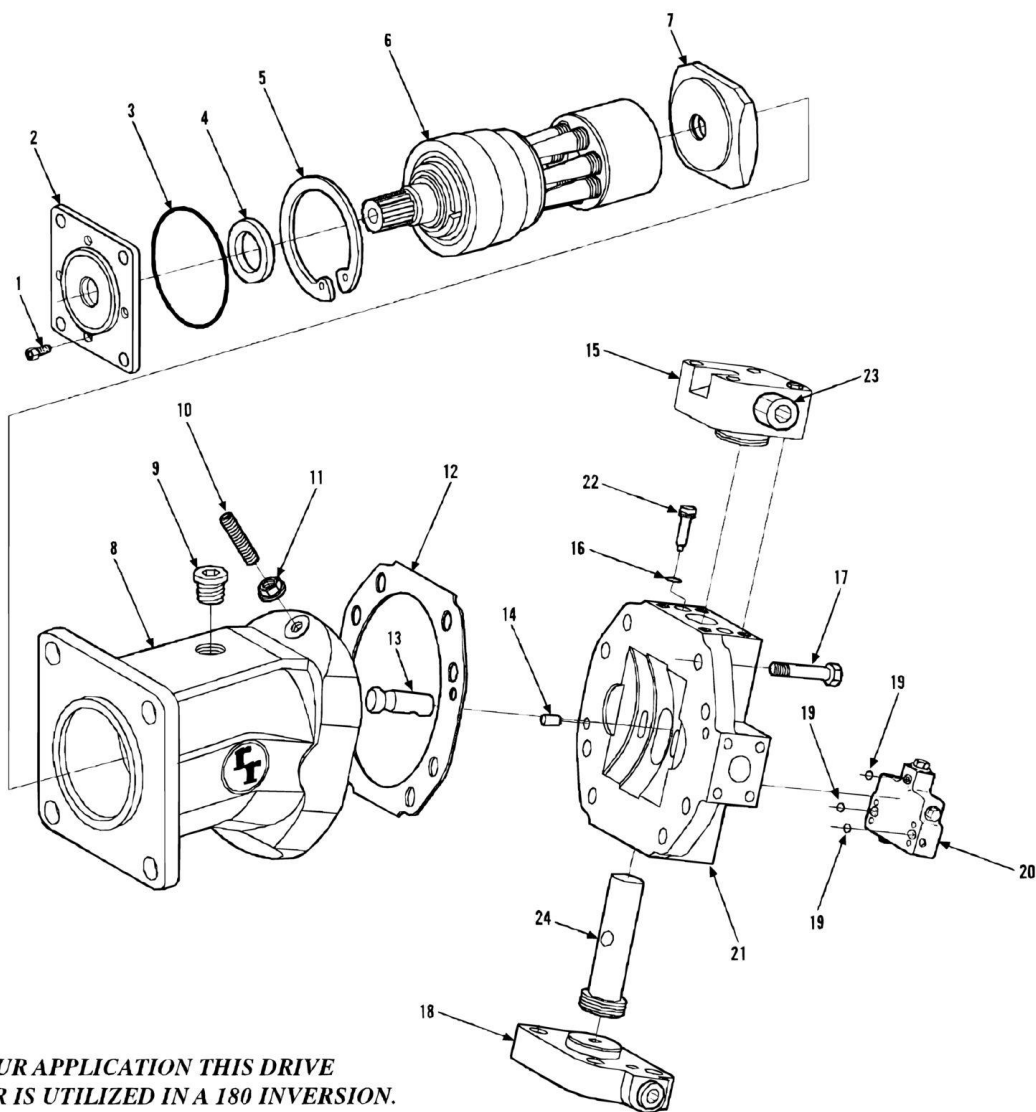
SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-22. (91145129) HYDRAULIC RESERVOIR AND FILTERS (534C-9 SN 0344384 to Present;
534C-10 SN 0266056 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145129	1	HYDRAULIC RESERVOIR ASSY (includes all items)	
1	91143133	1	HYDRAULIC OIL TANK (includes item 12)	
2	91083070	1	FLUID LEVEL GAUGE (includes items 3 & 4)	
3		Ref	SCREW	
4		Ref	WASHER	
5	91083069	1	FILLER BREATHER	
6	88321039	6	SELF TAP SCREW, #10-32X1/2	
7	91163141	1	TUBE ASSY	
8	88501006	4	HEX NUT, 3/8-16	
9	88551011	4	LOCKWASHER, 3/8	
10	88561004	8	WASHER, 3/8	
11	88661013	1	MALE CONNECTOR	
12		Ref	PLUG	
13	91143178	1	TANK FILTER	
14	91143179	1	STRAIGHT CONNECTOR	
15	88201020	4	HEX HD CAPSCREW, 5/16-18X1, GR5	
16	88561005	2	WASHER, 1/2	
17	88561003	4	WASHER, 5/16	
18	88661084	1	BULKHEAD UNION, 9/16-18X3/8 TUBE	
19	88662105	1	ELBOW, 90, (swivel nut)	
20	90027179	1	BULKHEAD UNION, 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 and item 27)	
25	91083518	1	SUCTION FILTER (includes one of item 26)	
26	91143144	2	FILTER ELEMENT	
27	91084022	1	COLOR CODED GAUGE	
28	80673009	1	ADAPTER, 90	
29	88591210	1	O-RING	
30	88662070	1	ELBOW, 90, (includes item 29)	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-23. (91143180) FRONT DRIVE MOTOR (SN 0344001 to Present, SN 0266001 to Present)



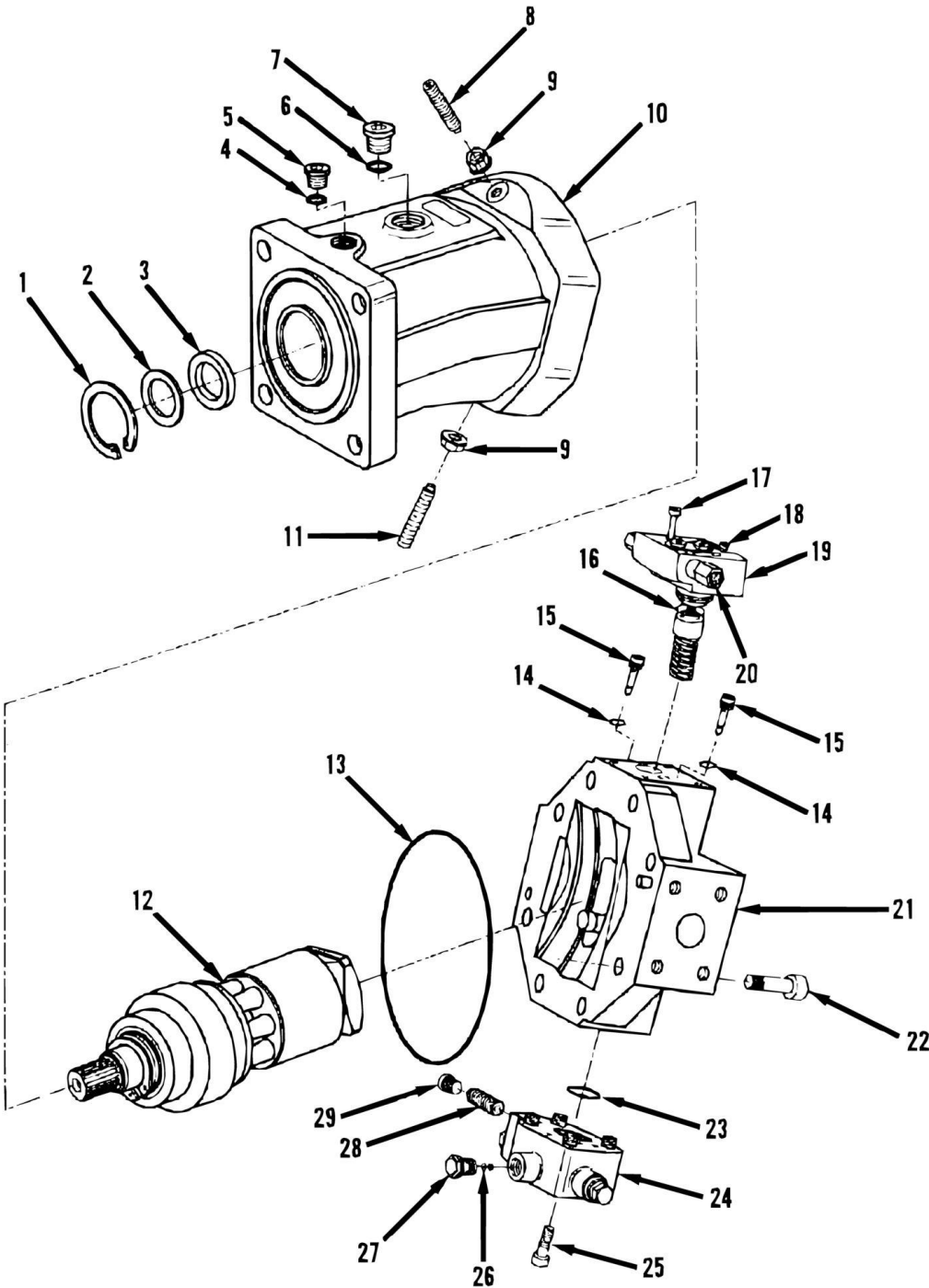
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-23. (91143180) FRONT DRIVE MOTOR (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143180	1	FRONT DRIVE MOTOR ASSY (includes all items)	
	91144149	1	PUMP HOUSING ASSY (includes items 1 thru 11)	
	83924123	1	SHUTTLE ORIFICE KIT (not shown, included in item 18)	
	91144152	AR	SEAL KIT (includes items 3, 4, 11, 12, 16 & 19)	
1		Ref	CAPSCREW	
2		Ref	FRONT COVER	
3	Kit	1	O-RING	
4	Kit	1	SHAFT SEAL	
5		Ref	SNAP RING	
6	91144150	1	ROTARY GROUP (includes item 7)	
7		Ref	CONTROL LENS	
8		Ref	HOUSING	
9		Ref	PLUG	
10		Ref	STOP SCREW	
11	Kit	1	SEAL NUT	
12	Kit	1	GASKET	
13		Ref	SWIVEL TRUNNION	
14		Ref	DOWEL PIN	
15	91144153	1	CONTROL ASSY	
16	Kit	3	O-RING	
17		Ref	CAPSCREW	
18	91144157	1	STROKING PISTON COVER	
19	Kit	3	O-RING	
20	91094020	1	FLUSHING VALVE	
21	91144151	1	PORTING BLOCK ASSY	
22	83924135	2	CHECK VALVE KIT	
23	91144248	2	FITTING	
24	91144481	1	STROKING PISTON	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-24. (91163044) FRONT DRIVE MOTOR (SN 0344436 to Present, SN 0266036 to Present)



**FOR OUR APPLICATION THIS DRIVE
MOTOR IS UTILIZED IN A 180 INVERSION.**

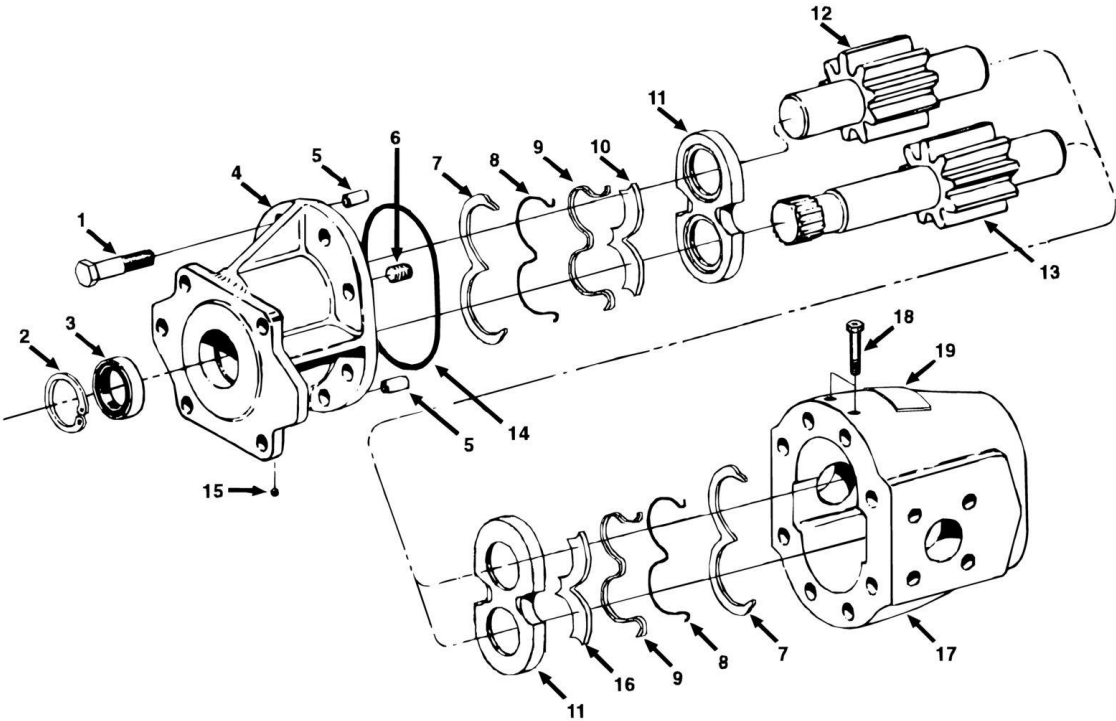
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-24. (91163044) FRONT DRIVE MOTOR (SN 0344436 to Present, SN 0266036 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163044	1	FRONT DRIVE MOTOR ASSY (includes all items)	
	91094025	AR	SEAL KIT (includes items 3, 4, 6, 9, 13, 14, 16, 18 & 23)	
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 5)	
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	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-25. (91143050) MAIN HYDRAULIC PUMP (SN 0344001 to Present, SN 0266001 to Present)



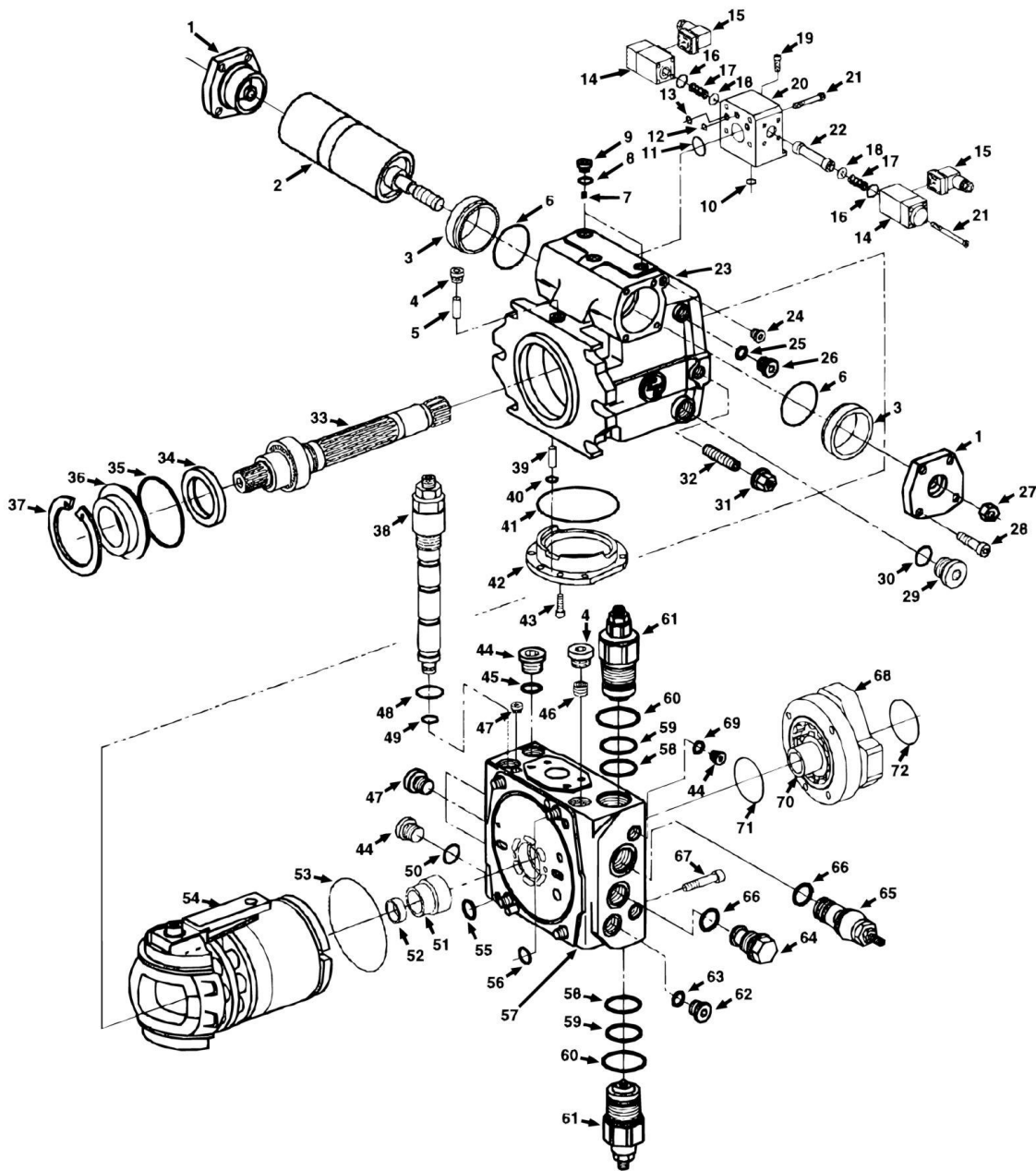
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-25. (91143050) MAIN HYDRAULIC PUMP (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143050	1	MAIN HYDRAULIC PUMP ASSY (includes all items)	
	91014058	AR	SHAFT SEAL KIT (includes items 2, 3 & 14)	
	91144174	AR	SEAL KIT (includes items 2, 3, 7, 8, 9 & 14)	
1	91064021	8	CAPSCREW	
2	90202372	1	SNAP RING	
3	90205716	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	BACKUP RING	
10	90202406	1	ISOLATION PLATE, (UPPER)	
11	90202399	2	PRESSURE PLATE	
12	91044216	1	IDLER GEAR	
13	91144170	1	DRIVE GEAR	
14	90202379	1	O-RING	
15	90202435	1	BALL	
16	90202407	1	ISOLATION PLATE (LOWER)	
17	91144168	1	BODY	
18	91144172	2	DRIVE SCREW	
19	91144173	1	LABEL	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-26. (91143005) HYDROSTATIC TRANSMISSION (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-26. (91143005) HYDROSTATIC TRANSMISSION (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

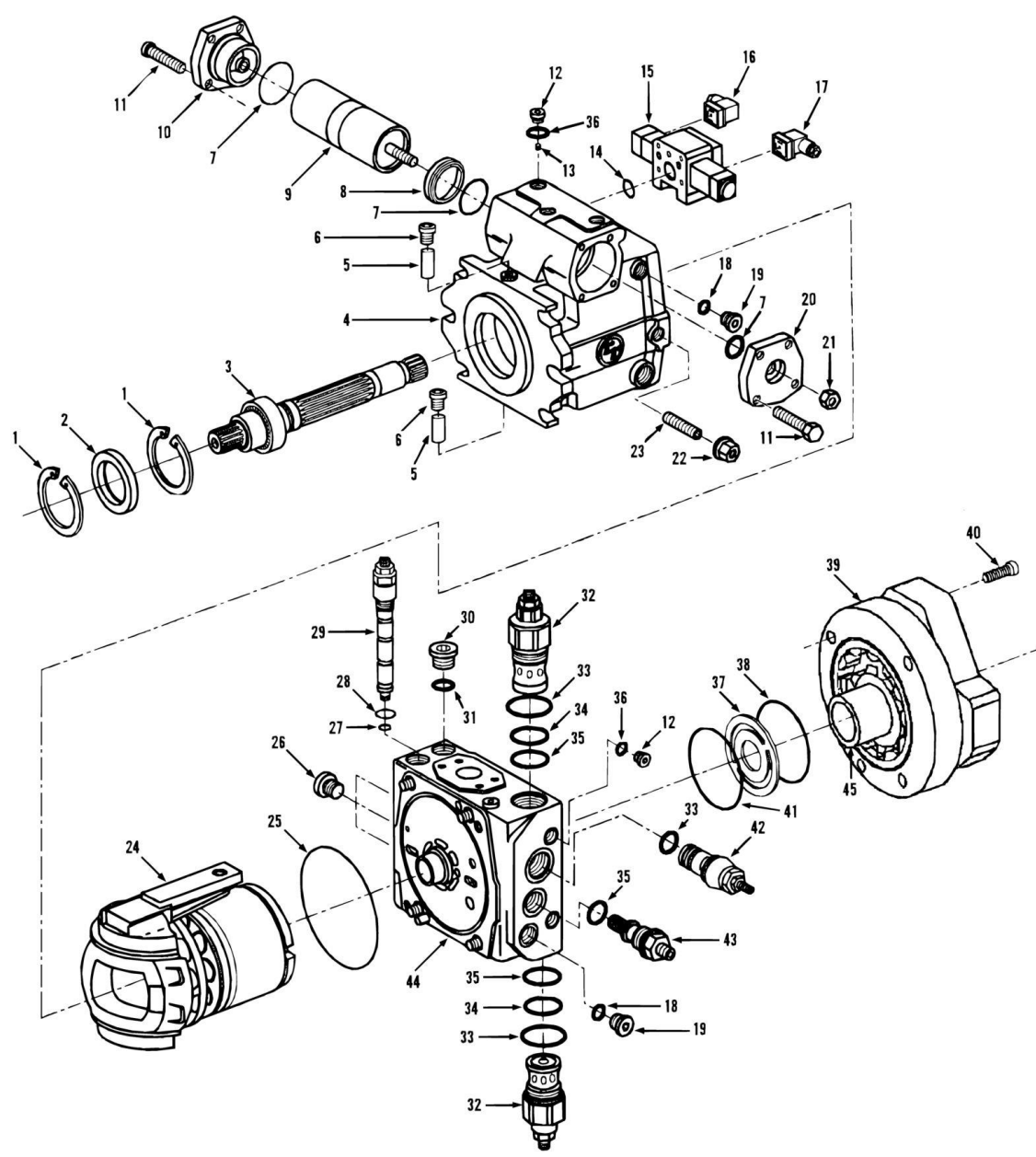
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143005	1	HYDROSTATIC TRANSMISSION PUMP ASSY (includes all items)	
	91084132	1	SEAL KIT (includes items 6, 8, 10, 11, 12, 13, 16, 25, 30, 31, 40, 41, 45, 48, 49, 50, 53, 55, 56, 58, 59, 60, 63, 66 & 69)	
	91144086	1	HOUSING ASSY (includes items 3 thru 9, 23 thru 26, 29 thru 32, 39 thru 43)	
1		Ref	STROKING PISTON COVER	
2	91144087	1	STROKING PISTON ASSY	
3		Ref	BUSHING	
4	80934091	2	PLUG	
5		Ref	PIN	
6	Kit	2	O-RING	
7	91144093	2	STROKING ORIFICE	
8	Kit	3	O-RING	
9		Ref	PLUG	
10	Kit	3	O-RING	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	3	O-RING	
14	91084316	2	SOLENOID	
15	91084038	1	CONNECTOR, BLACK	
15	91084039	1	CONNECTOR, GREY	
16	Kit	2	O-RING	
17		Ref	SPRING	
18		Ref	SPRING COLLAR	
19		Ref	CAPSCREW	
20	91144089	1	DA CONTROL ASSY (17 thru 28)	
21		Ref	CAPSCREW	
22		Ref	SPOOL	
23		Ref	HOUSING	
24		Ref	PLUG	
25	Kit	1	O-RING	
26		Ref	PLUG	
27	91144094	1	JAM NUT	
28		Ref	CAPSCREW	
29	80934340	1	PLUG	
30	Kit	1	O-RING	
31	Kit	1	SEAL NUT	
32	91144095	1	ECCENTRIC SCREW	
33	91144085	1	SHAFT ASSY	
34	91144268	1	SHAFT SEAL	
35		Ref	O-RING	
36	91144096	1	FRONT COVER	
37	91144097	1	RETAINING RING	
38		Ref	P.O.R. ASSY	
39		Ref	PIN	
40	Kit	1	QUAD RING	
41	Kit	1	O-RING	
42		Ref	ACCESS COVER	
43		Ref	CAPSCREW	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	80934084	3	PLUG	
45	Kit	1	O-RING	
46		Ref	ORIFICE	
47	80934082	10	PLUG	
48	Kit	1	O-RING	
49	Kit	1	O-RING	
50	Kit	1	O-RING	
51		Ref	BUSHING SUPPORT	
52		Ref	BUSHING	
53	Kit	1	O-RING	
54		Ref	ROTARY GROUP ASSY	
56	Kit	1	QUAD RING	
57	91144088	1	PORT BLOCK ASSY (includes items 4, 44, 45, 46, 47, 50, 55, 56, 62, 63 & 69)	
58	Kit	1	O-RING	
59	Kit	1	BACKUP RING	
60	Kit	1	O-RING	
61	91084032	2	RELIEF VALVE	
62	80934082	1	PLUG	
63	Kit	1	O-RING	
64	91144098	1	CHARGE PRESSURE RELIEF VALVE	
65	91144099	1	DA CARTRIDGE ASSY	
66	Kit	1	O-RING	
67		Ref	CAPSCREW	
68	91144092	1	THRU DRIVE CHARGE PUMP	
69	Kit	1	O-RING	
70	91144410	1	REAR BUSHING	
71	91144411	2	O-RING	
72	91144412	1	O-RING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-27. (91163048) HYDROSTATIC TRANSMISSION (SN 0344436 to Present, SN 0266063 to Present)



SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-27. (91163048) HYDROSTATIC TRANSMISSION (SN 0344436 to Present, SN 0266063 to Present)

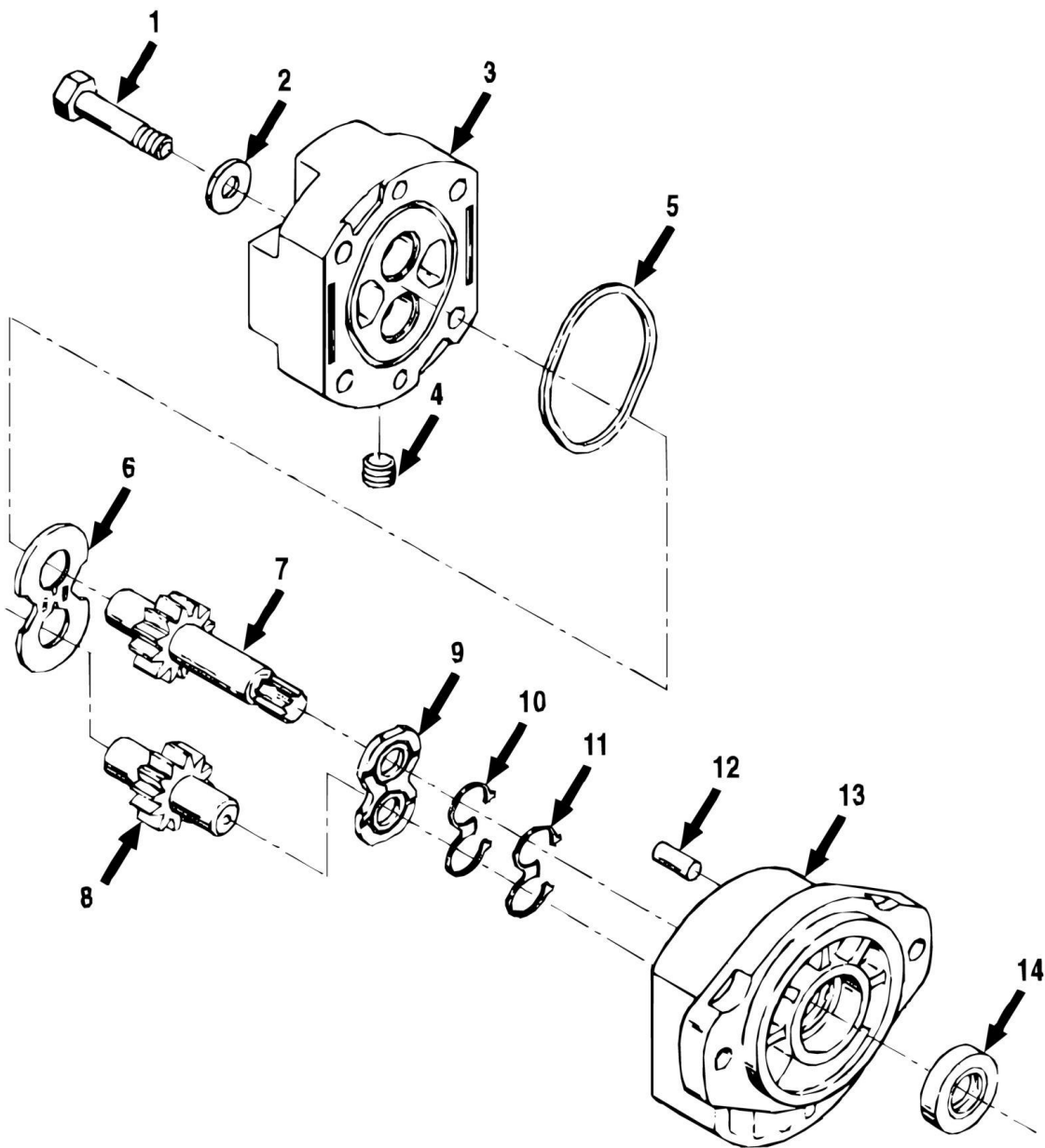
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163048	1	HYDROSTATIC TRANSMISSION PUMP (includes all items)	
	91084317	AR	SEAL KIT (includes items 2, 6, 7, 14, 15, 22, 25, 27, 28, 31, 32, 33, 34, 35, 36, 38, 41 plus additional items not illustrated)	
1	80934052	2	SNAP RING	
2	Kit	1	SHAFT SEAL	
3	91144413	1	SHAFT ASSY	
4	91084319	1	HOUSING ASSY	
5	91084320	2	PIN	
6	Kit	4	PLUG	
7	Kit	4	O-RING	
8	91084321	2	BUSHING	
9	91084322	1	STROKING PISTON ASSY	
10	91084323	1	STROKING PISTON COVER KIT (includes items 7 & 11)	
11	80934077	8	CAPSCREW, M8X20	
12	80934084	5	PLUG (includes item 36)	
13	91144093	2	STROKING ORIFICE	
14	Kit	1	O-RING	
15	91084316	1	SOLENOID	
16	91084038	1	HERSHMAN CONNECTOR (black)	
17	91084039	1	HERSHMAN CONNECTOR (gray)	
18		Ref	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	91084326	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	91084032	2	RELIEF VALVE (includes one each of items 33 thru 35)	
33	Kit	1	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	91164098	1	THRU 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	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-28. (91143173) HYDRAULIC GEAR PUMP (SN 0344001 to Present, SN 0266001 to Present)



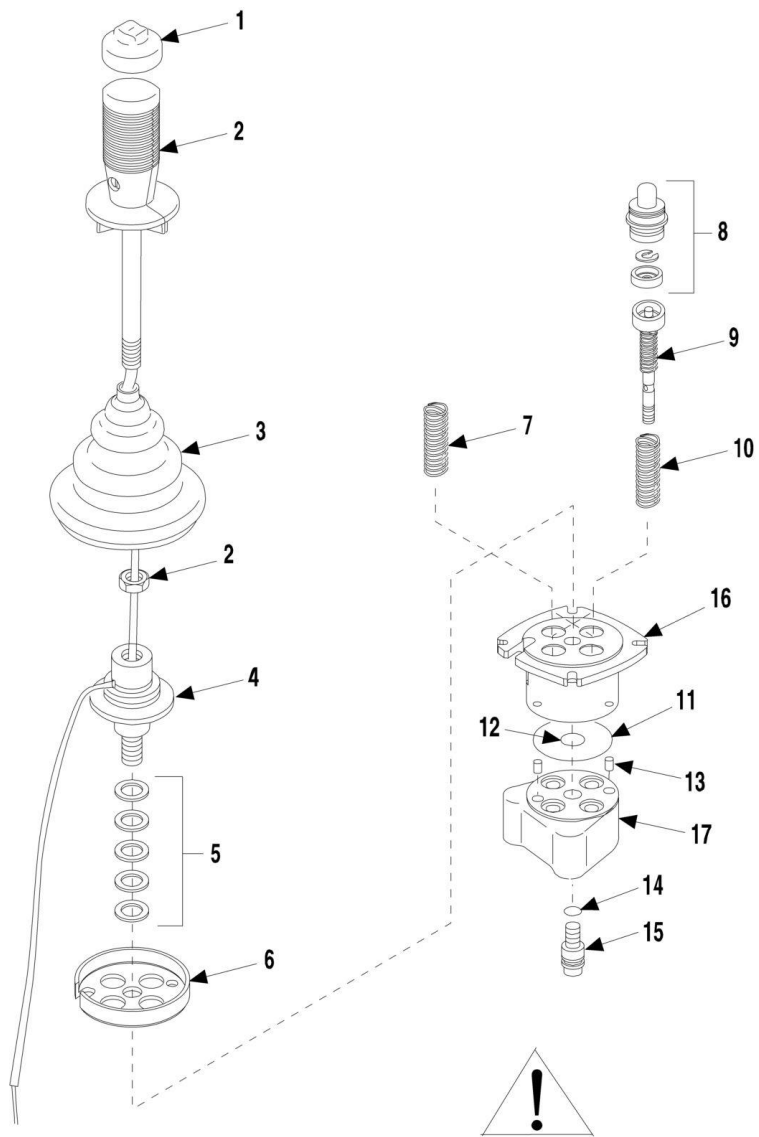
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-28. (91143173) HYDRAULIC GEAR PUMP (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143173	1	PUMP ASSY (includes all items)	
	91044441	AR	SEAL KIT (includes items 5, 6, 9, 10, 11 & 14)	
1	80934357	4	HEX HD CAPSCREW	
2	91084136	4	WASHER	
3	91044355	1	COVER, REAR PORT	
4	91144199	1	PIPE PLUG	
5	Kit	1	GASKET SEAL	
6	Kit	1	THRUST PLATE	
7	91144201	1	DRIVE GEAR	
8	91144200	1	IDLER GEAR	
9	Kit	1	WEAR PLATE	
10	Kit	1	SPACER	
11	Kit	1	PRESSURE LOADING SEAL	
12	91034062	2	DOWEL PIN	
13	91144202	1	BODY	
14	Kit	1	SHAFT SEAL	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-29. (91303037) JOYSTICK ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



NOTE: THE BOSCH REXROTH CORPORATION JOYSTICK HANDLE SWITCH IS NOT A FIELD SERVICEABLE COMPONENT. ANY ATTEMPT BY NON-FACTORY AUTHORIZED PERSONNEL TO REPAIR OR REPLACE THE SWITCH WILL VOID THE WARRANTY AND CAN RESULT IN A JOYSTICK MALFUNCTION.

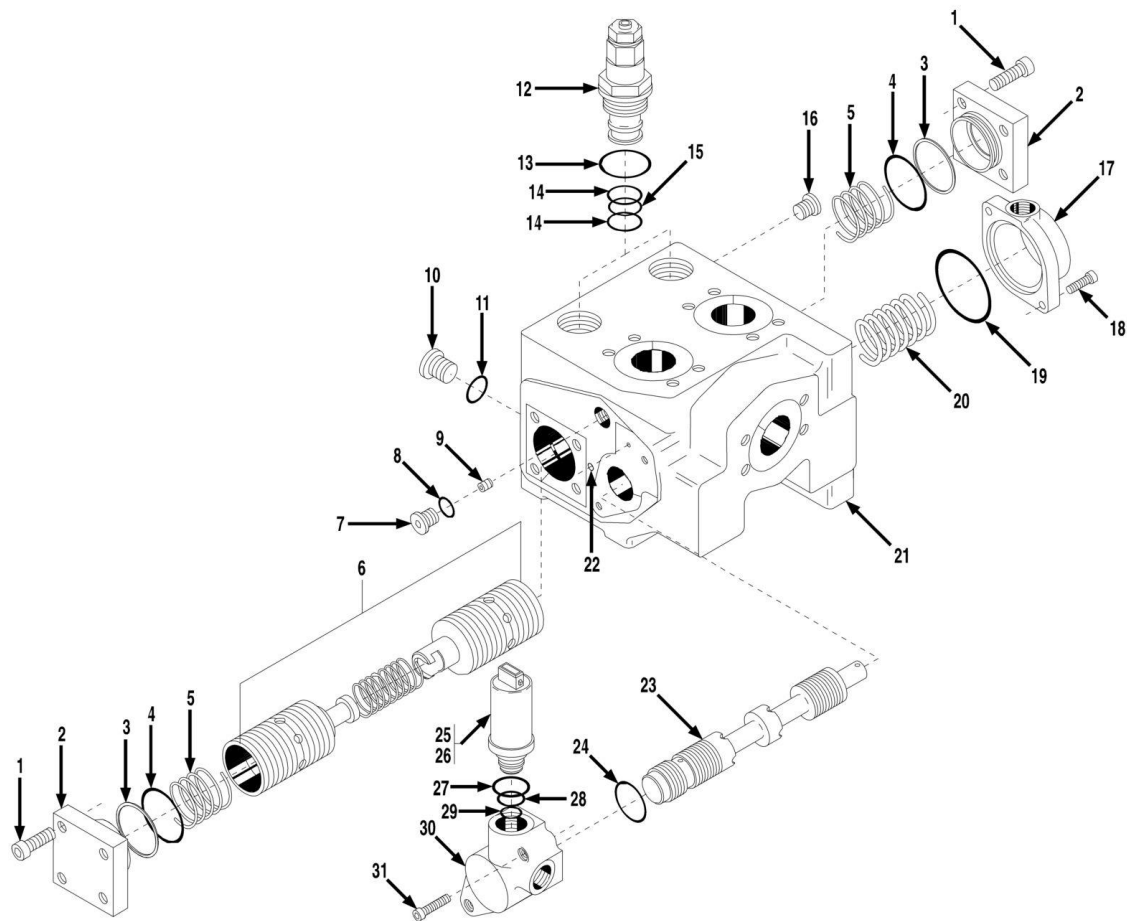
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-29. (91303037) JOYSTICK ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91303037	1	JOYSTICK ASSY, (includes all items)	
	91404326	1	SEAL KIT, (includes items 11 thru 15)	
1	80934658	1	CAP	
2	80934656	1	HANDLE GRIP KIT	
3	80934241	1	BOOT	
4	80264140	1	CARDAN KIT, (includes item 5)	
5	Kit	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		Ref	UPPER BODY	
17		Ref	LOWER BODY	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-30. (91143049) TRACTION LOCK VALVE (SN 0344001 to Present, SN 0266001 to Present)



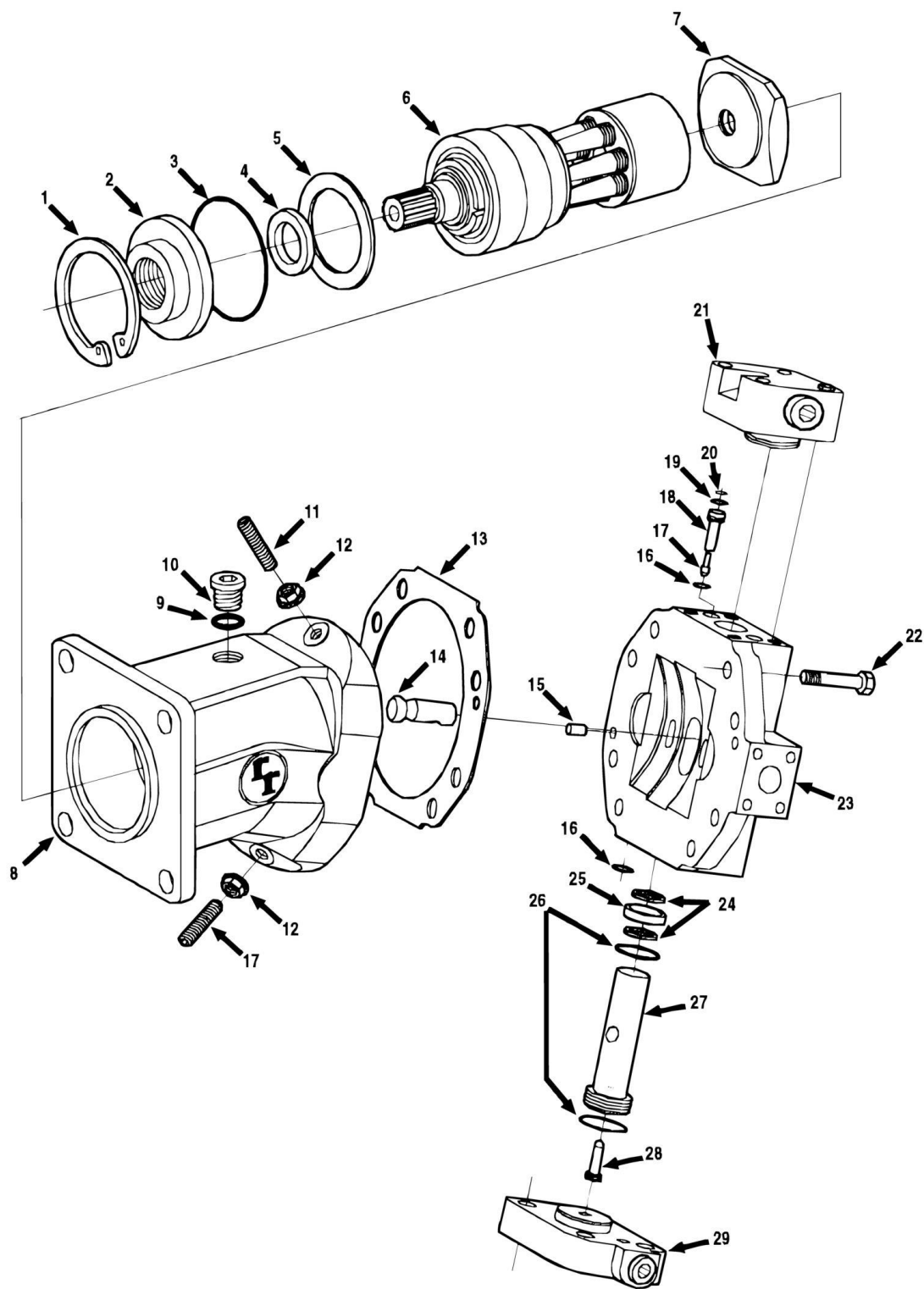
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-30. (91143049) TRACTION LOCK VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143049	1	TRACTION LOCK VALVE, (includes all items)	
	91084284	Ref	SEAL KIT, (includes items 3, 4, 8, 11, 13, thru 16, 19, 22, 24, 27, 28, 29)	
1	91084285	8	HEX HD CAPSCREW, M10X30	
2	91084286	2	COVER	
3	91084287	2	BACK-UP RING	
4	91084288	2	O-RING	
5	91084289	2	SPRING	
6		Ref	SPOOL, (not sold separately, order P/N 91143049)	
7	91084298	1	PLUG, (includes item 8)	
8	91144011	1	O-RING	
9	91084299	1	ORIFICE	
10	91084290	2	PLUG, (includes item 11)	
11	91144009	2	O-RING	
12	91084362	2	RELIEF VALVE CARTRIDGE, (set at 6800 PSI), (includes items 13, 14 & 15)	
13	83814056	2	O-RING	
14	91144010	4	BACK-UP RING	
15	83814054	2	O-RING	
16	91084363	1	PLUG	
17	91144475	1	COVER	
18	91084291	2	HEX HD CAPSCREW, M6X16	
19	91084293	1	O-RING	
20	91084294	1	SPRING	
21		Ref	VALVE BODY, (not sold separately, order P/N 91143049)	
22	91084303	1	O-RING	
23		Ref	SPOOL, (not sold separately, order P/N 91143049)	
24	91084300	1	O-RING	
25	91084302	1	SOLENOID VALVE, (include items 27, 28 & 29)	
26	91144015	1	CONNECTOR	
27	91144012	1	O-RING	
28	91144013	1	O-RING	
29	91144014	1	O-RING	
30	91144474	1	COVER	
31	80934205	2	HEX HD CAPSCREW, M6X30	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-31. (91143006) REAR DRIVE MOTOR (SN 0344001 to Present, SN 0266001 to Present)



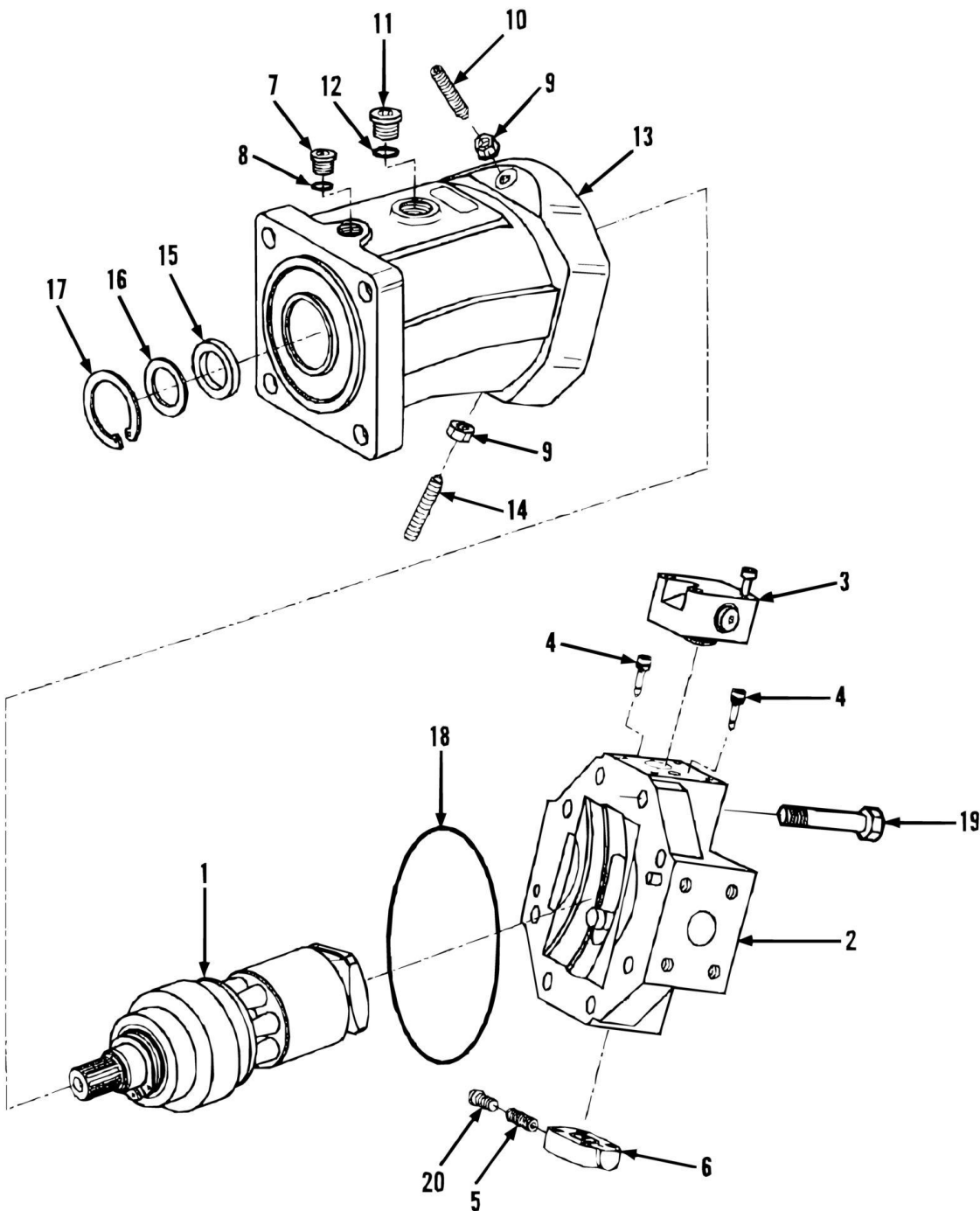
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-31. (91143006) REAR DRIVE MOTOR (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143006	1	REAR DRIVE MOTOR (includes all items)	
	91144101	1	REAR COVER ASSY (includes items 14, 15, 16 & 22 thru 28)	
	91144103	1	CHECK VALVE KIT (includes items 16 thru 20)	
	91084195	1	SEAL KIT (includes items 3, 4, 12, 13, 16, 19, 20 & 25)	
1	91144105	1	SNAP RING	
2	91144106	1	FRONT COVER	
3	Kit	1	O-RING	
4	91084196	1	SHAFT SEAL	
5	91144107	AR	SHIM (0.4)	
5	91144108	AR	SHIM (0.3)	
5	91144109	AR	SHIM (0.5)	
6	91144100	1	ROTARY GROUP	
7	91144110	1	CONTROL LENS	
8	91144111	1	HOUSING	
9		Ref	O-RING	
10	80934082	1	PLUG	
11	83924121	2	DISP SCREW	
12	80934314	2	SEAL NUT	
13	Kit	1	GASKET	
14		Ref	SWIVEL TRUNNION	
15		Ref	DOWEL PIN	
16	Kit	3	O-RING	
17	91144113	2	POPPET	
18	91144114	2	CHECK VALVE HOUSING	
19	Kit	2	O-RING	
20	Kit	2	O-RING	
21	91144102	1	HZ CONTROL KIT	
22		Ref	CAPSCREW (torque to 38 ft lbs)	
23		Ref	HOUSING	
24		Ref	BACKUP RING	
25	Kit	1	VARISEAL RING	
26		Ref	O-RING	
27		Ref	STROKING PISTON	
28		Ref	THREADED PIN	
29	91144104	1	STROKING PISTON COVER	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-32. (91163023) REAR DRIVE MOTOR (SN 0344436 to Present, SN 0266063 to Present)



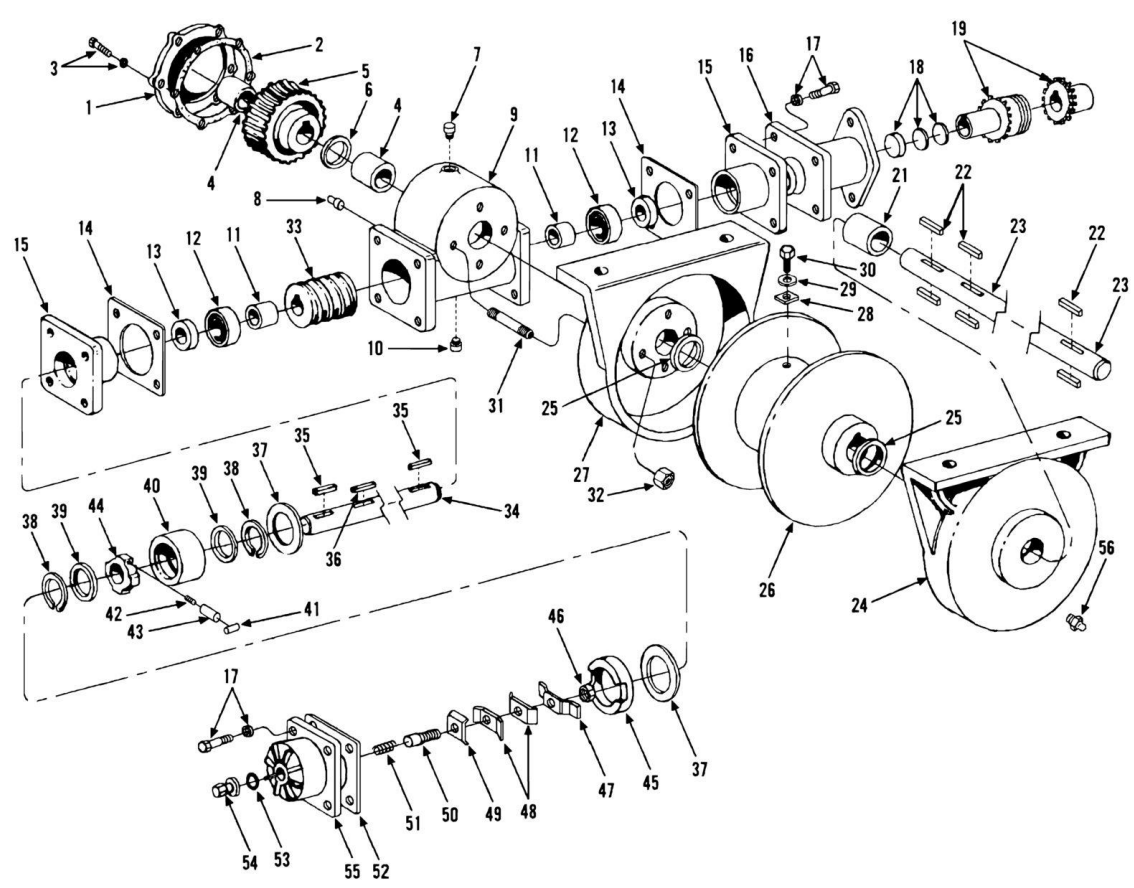
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-32. (91163023) REAR DRIVE MOTOR (SN 0344436 to Present, SN 0266063 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91163023	Ref	REAR DRIVE MOTOR ASSY (includes all items)	
	91144414	AR	SEAL KIT (includes items 8, 9, 12, 15, 18, plus items not illustrated)	
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	
4	80434095	2	LOCKNUT SEAL	
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)	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-33. (90453050) TRUSS BOOM WINCH (SN 0344001 to Present, SN 0266001 to Present)



SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-33. (90453050) TRUSS BOOM WINCH (SN 0344001 to Present, SN 0266001 to Present)

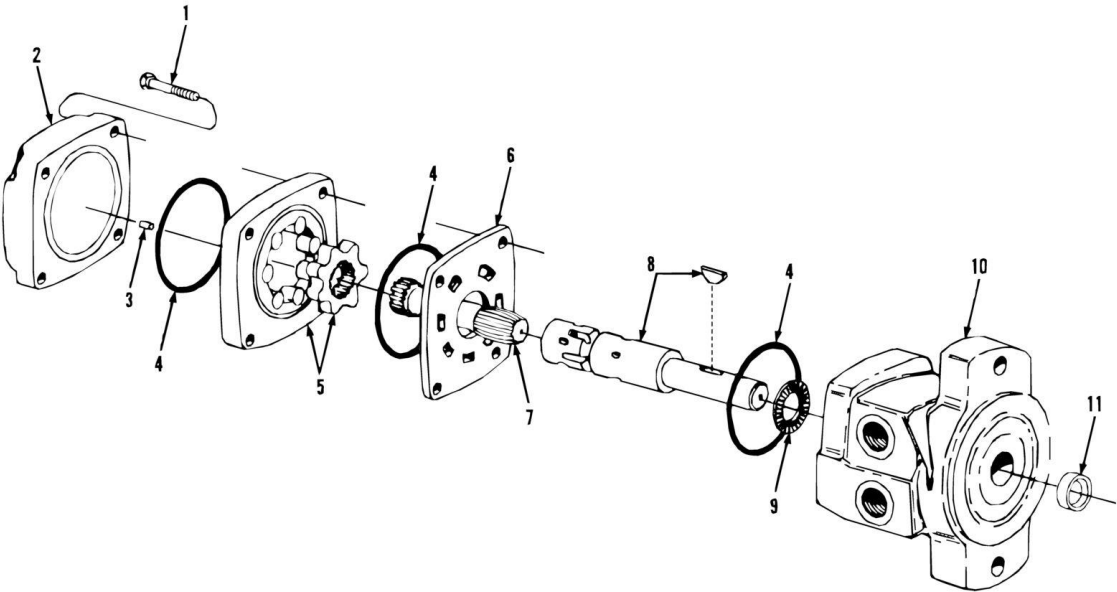
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90453050	1	TRUSS BOOM WINCH W/MOTOR, (includes all items on this page and See (90207879) WINCH MOTOR)	
1	90208147	1	GEAR CASE COVER	
2	90208171	1	GEAR CASE GASKET	
3	88201035	6	HEX HD CAPSCREW, 3/8-16X1, GR5	
3	88551011	6	LOCKWASHER, 3/8	
4	90208154	2	BUSHING	
5	90208150	1	WORM GEAR	
6	90208174	1	BUSHING	
7	90208168	1	OIL FILL PLUG	
8	90208185	1	OIL LEVEL PLUG	
9	90208142	1	GEAR CASE	
10	90208186	1	OIL DRAIN PLUG	
11	90208156	2	COLLAR	
12	90208183	2	BEARING	
13	90208189	2	OIL SEAL	
14	90208170	2	BEARING HUB GASKET	
15	90208188	2	BEARING HUB	
16	90208180	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	90208153	1	LOCK SEAT BUSHING	
22	90208152	6	CABLE DRUM SHAFT KEY	
23	90208148	1	CABLE DRUM SHAFT	
24	91404384	1	LOCK SEAT	
25	90208173	2	WASHER	
26	90208145	1	CABLE DRUM	
27	90208143	1	LOCK SEAT	
28	90208169	1	WIRE ROPE LOCK	
29	88551011	1	LOCKWASHER, 3/8	
30	88201036	1	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
31	90208155	4	STUD BOLT, 1/2-13X1-1/2	
32	88501008	4	HEX NUT, 1/2-13	
33	90208151	1	WORM	
34	90208149	1	WORM SHAFT	
35	90208176	2	WORM SHAFT KEY	
36	90208177	1	WORM SHAFT KEY	
37	90208164	2	BRAKE LINING	
38	90208184	2	LOCK RING, (V.C. type)	
39	90208175	2	SEAL	
40	90208158	1	BRAKE HOUSING	
41	90208163	1	ROLLER	
42	90208179	1	BRAKE DRUM HOUSING	
43	90208162	1	SPRING SEAT	
44	90208159	1	BRAKE DRUM	
45	90208157	1	BRAKE PLATE	
46	88501006	1	HEX NUT, 3/8-16	
47	90208165	1	BRAKE PLATE	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	90208166	2	BRAKE PLATE	
49	90208167	1	FIXING PLATE	
50	90208160	1	ADJUSTING BOLT	
51	90208178	1	SPRING	
52	90208190	1	BRAKE COVER GASKET	
53	90208172	1	O-RING	
54	90208161	1	ADJUSTING NUT	
55	90208146	1	BRAKE DRUM	
56	88671001	1	LUBE FITTING, STRAIGHT, 1/8	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-34. (90207879) WINCH MOTOR (SN 0344001 to Present, SN 0266001 to Present)



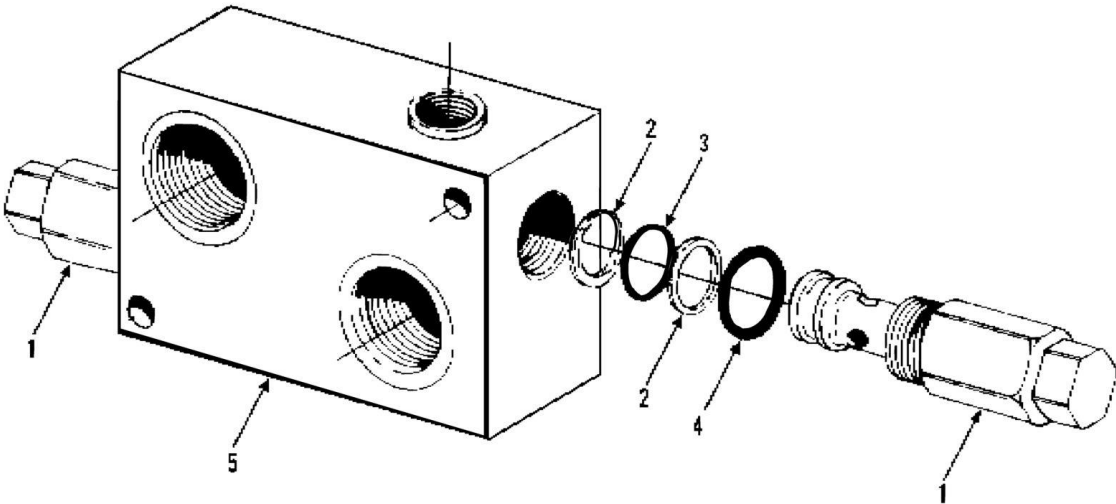
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-34. (90207879) WINCH MOTOR (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90207879	1	WINCH MOTOR (includes all items)	
	90208212	1	SHAFT SEAL KIT (includes items 4 & 11)	
1	83201057	4	HEX HD CAPSCREW, 3/8-16X2, GR8	
2	90208203	1	END COVER	
3	90208204	1	PIN	
4	Kit	3	SEAL	
5	90208206	1	ROLLER-STATOR ASSY	
6	90208207	1	WEAR PLATE	
7	90208208	1	DRIVE LINK	
8	90208209	1	SHAFT	
9	90208210	1	THRUST BEARING	
10	90208211	1	FRONT HOUSING	
11	Kit	1	SHAFT SEAL	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-35. (90602706) CROSSOVER VALVE (SN 0344001 to Present, SN 0266001 to Present)



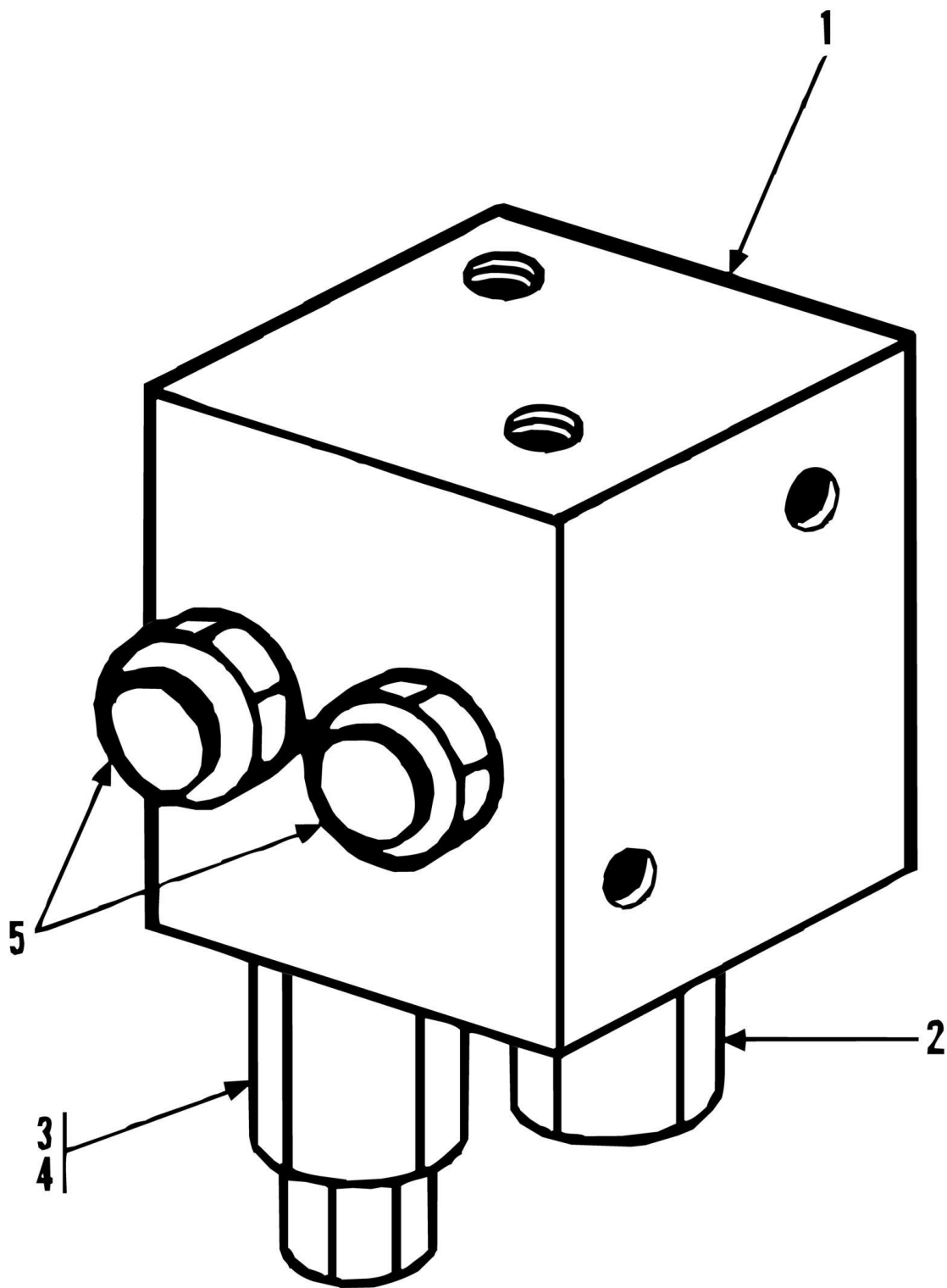
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-35. (90602706) CROSSOVER VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90602706	1	CROSSOVER RELIEF VALVE (includes all items)	
1	90203440	2	RELIEF CARTRIDGE (includes items 2 thru 4)	
2	90203437	4	BACKUP RING (2/cartridge)	
3	90203438	2	O-RING (1/cartridge)	
4	90203439	2	O-RING (1/cartridge)	
5		Ref	BODY	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-36. (91113003) STABILIZER VALVE (SN 0344001 to Present, SN 0266001 to Present)



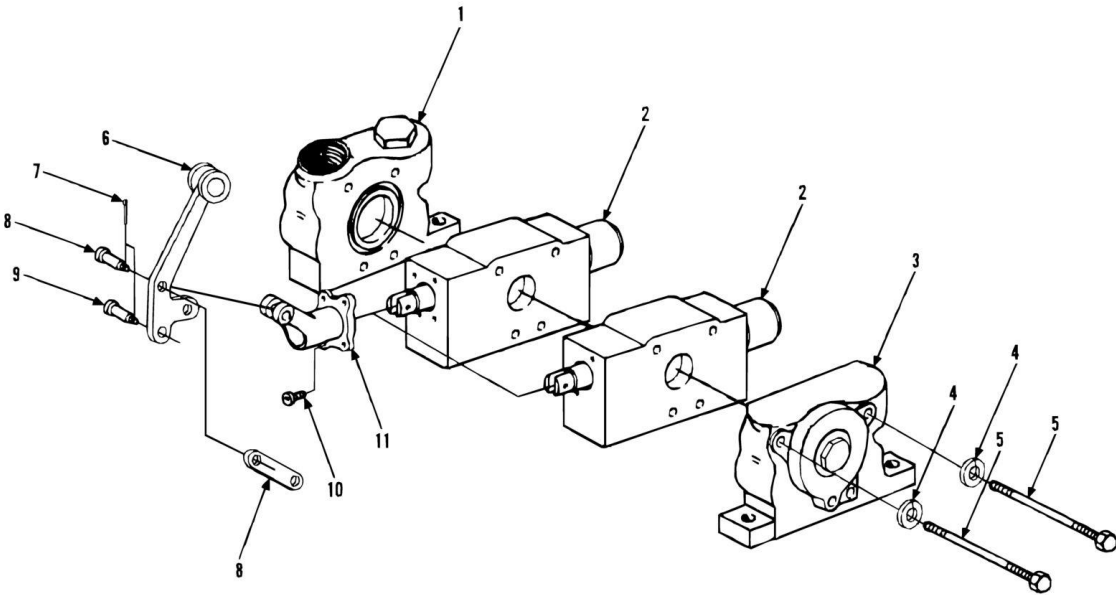
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-36. (91113003) STABILIZER VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91113003	1	STABILIZER VALVE ASSY (includes all items)	
	91044002	AR	SEAL KIT	
		Ref	VALVE BODY (not sold separately, order P/N 91113003)	
2	91044346	1	RELIEF VALVE ASSY	
3	91044347	1	SOLENOID VALVE ASSY (includes item 4)	
4	91044012	1	SOLENOID COIL	
5	91044348	4	CHECK VALVE ASSY	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-37. (91143161) OUTRIGGER VALVE (SN 0266001 to Present)



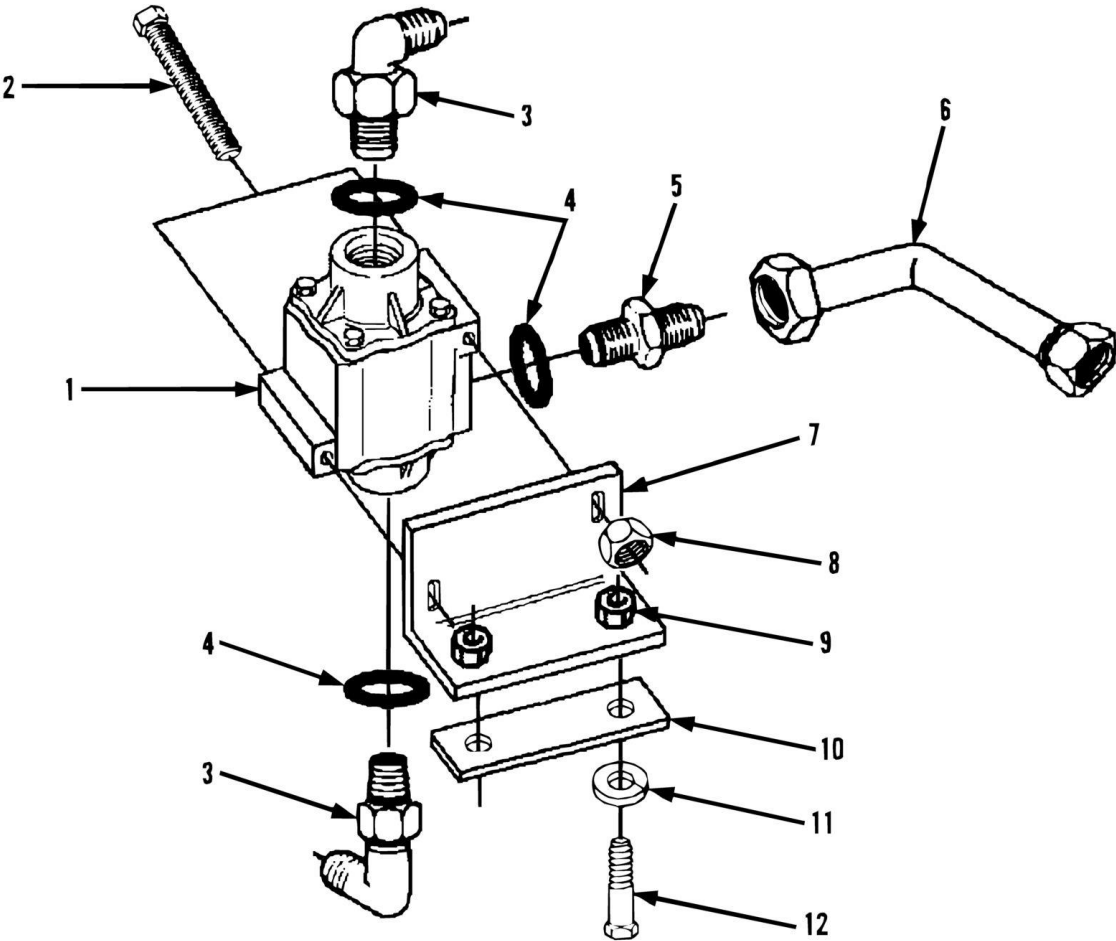
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-37. (91143161) OUTRIGGER VALVE (SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143161	1	OUTRIGGER CONTROL VALVE ASSY (includes all items)	
	91154006	2	HANDLE KIT (includes items 6 thru 11)	
	90206417	AR	VALVE SECTION SEAL KIT (one kit per section)	
1	91144132	1	LEFT END COVER ASSY	
2	91144133	2	VALVE SECTION AND SPOOL ASSY (not sold separately)	
3	91144134	1	RIGHT END COVER ASSY	
4	91144131	4	LOCKWASHER	
5	91144130	4	BOLT	
6	91154007	2	VERTICAL HANDLE	
7	91144136	6	COTTER PIN	
8	91144137	2	MOUNTING PLATE AND PINS	
9	91144138	2	HANDLE PIN	
10	91144139	8	FILLISTER HD MACHINE SCREW	
11	91144140	2	HANDLE BRACKET	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-38. (91145067) THERMAL BYPASS VALVE ASSY (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)



SECTION 9 - HYDRAULIC COMPONENTS

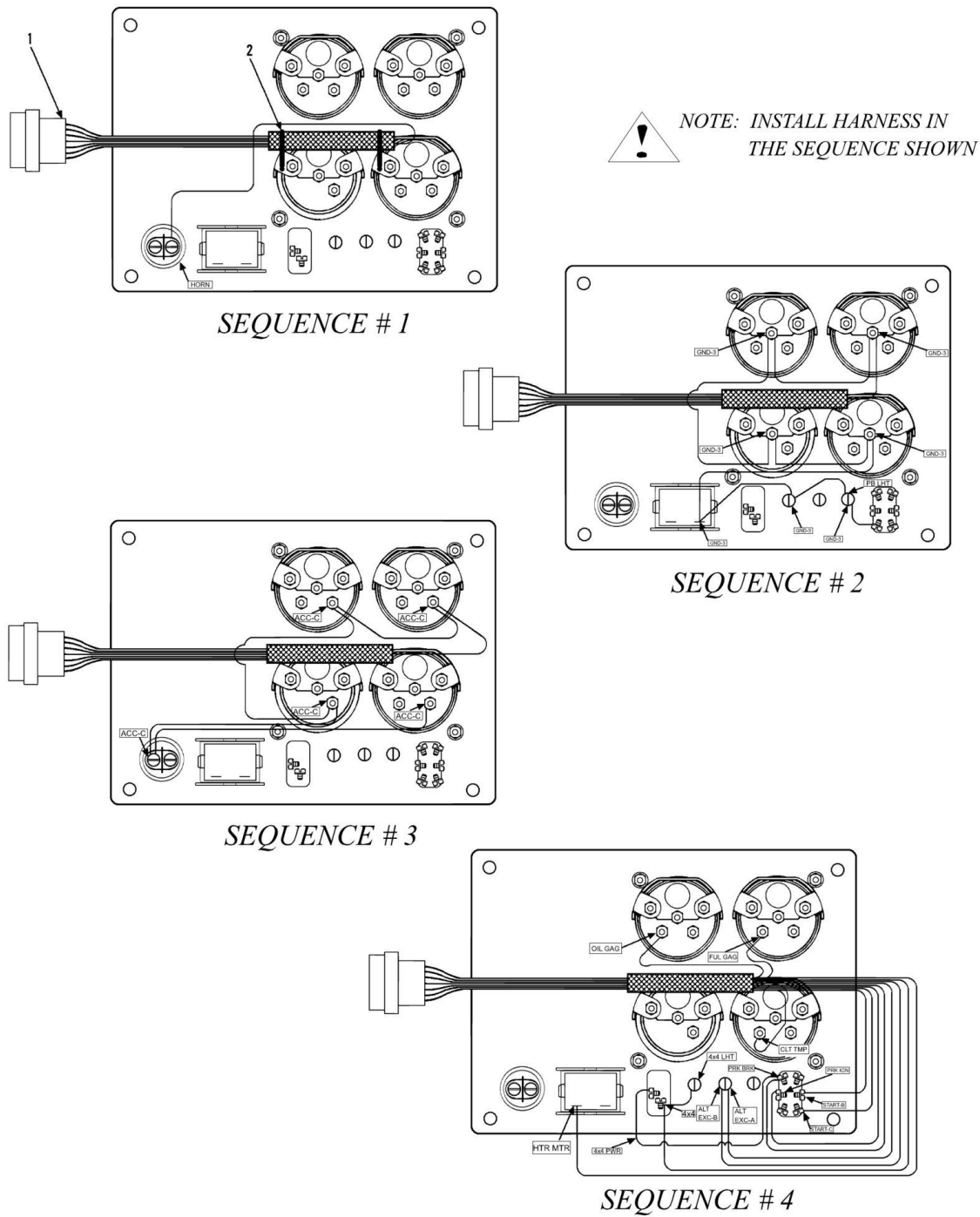
FIGURE 9-38. (91145067) THERMAL BYPASS VALVE ASSY (534C-9 SN 0344524 to Present; 534C-10 SN 0266075 to Present)

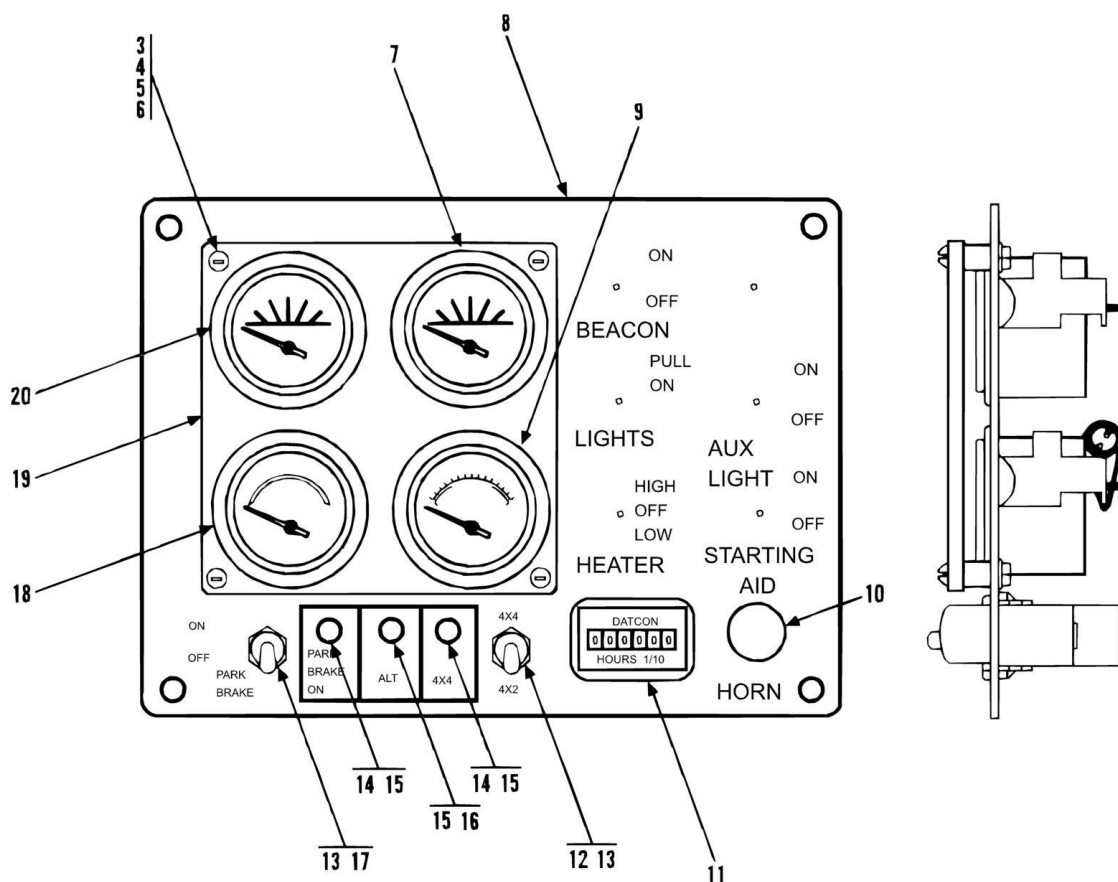
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145067	1	THERMAL BYPASS VALVE ASSY (includes all items except 10, 11 & 12)	
1	91143338	1	BYPASS VALVE	
1	80974021	1	ELEMENT KIT	
2	88201045	2	HEX HD CAPSCREW, 3/8-16X3 1/2, GR5	
3	88662069	2	ELBOW, 90, (includes item 4)	
4	88591209	3	O-RING	
5	88662010	2	CONNECTOR (includes item 4)	
6	91143274	1	TUBE ASSY	
7	91146087	1	BRACKET (includes item 9)	
8	77143015	2	WHIZ LOK NUT	
9	88971004	2	WELD NUT	
10	91141432	1	RECTANGULAR WASHER	
11	88551011	2	LOCKWASHER, 3/4	
12	88201036	2	HEX HD CAPSCREW, 3/8-16X1 1/4, GR5	

SECTION 10 - ELECTRICAL

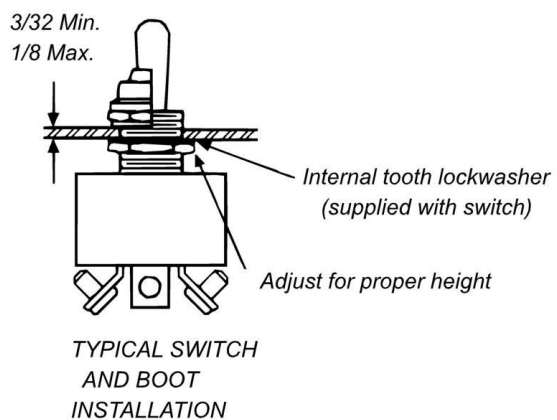
SECTION 10 - ELECTRICAL

FIGURE 10-1. (91145031) GAUGE PANEL ASSEMBLY (534C-9 SN 034400 through 0444002; 534C-10 SN 0266001 through 0266106)





With lockwasher under panel, bushing extension above panel must not exceed .125in or the seal may be cut.



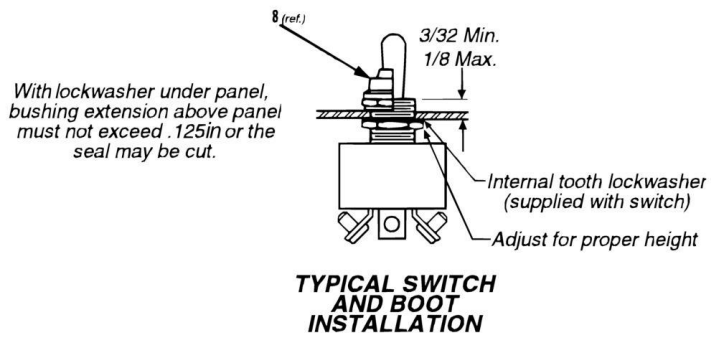
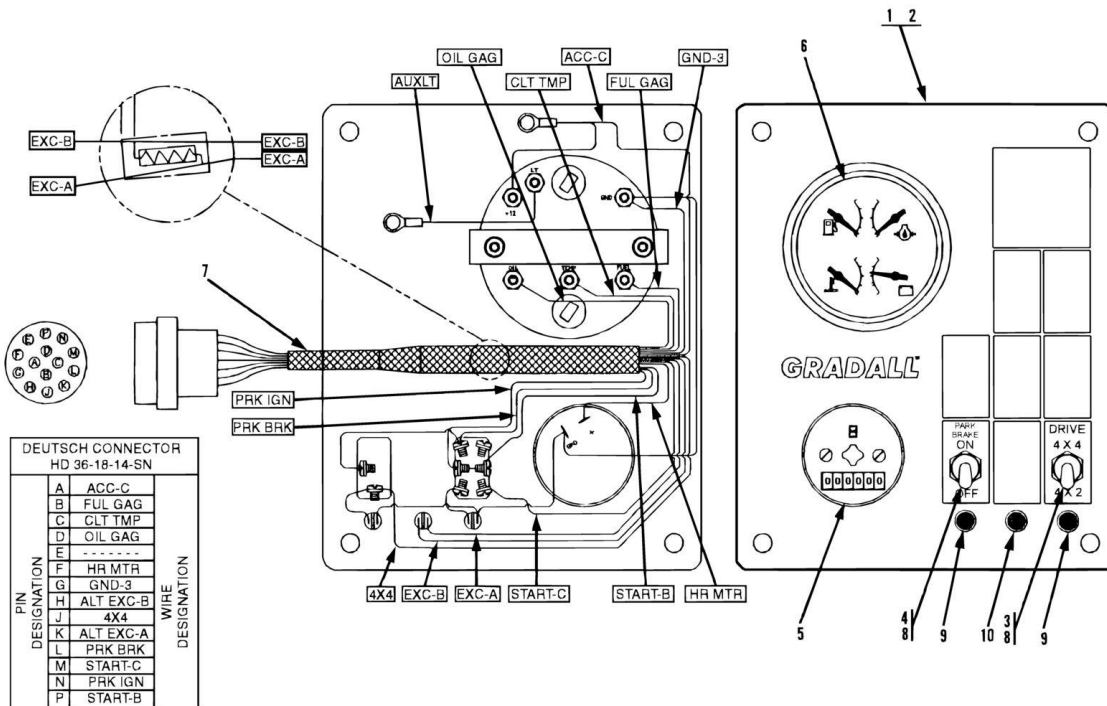
SECTION 10 - ELECTRICAL

FIGURE 10-1. (91145031) GAUGE PANEL ASSEMBLY (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145031	1	GAUGE PANEL ASSY (includes all items)	
1	91143137	1	PANEL WIRING HARNESS	
2	91053419	2	TIE WRAP	
3	91143227	4	RUBBER SPACER	
4	88301077	4	MACHINE SCREW, #8-32X1/4IN	
5	88561104	4	STEEL PUNCHED WASHER	
6	88501610	4	HEX NUT, #8-32	
7	91033247	1	OIL PRESSURE GAUGE	
8	91143138	1	FORMICA DASH PANEL	
9	77383709	1	VOLTMETER	
10	24771004	1	BUTTON	
11	91143130	1	HOUR METER	
12	77383467	1	TOGGLE - SPST	
13	77383470	2	BOOT	
14	91143128	2	AMBER DASH LIGHT	
15	91143129	3	TINNERMAN NUT	
16	91143127	1	RED DASH LIGHT	
17	91143114	1	TOGGLE - DPDT	
18	90205687	1	WATER TEMP GAUGE	
19	91143221	1	GAUGE PROTECTOR	
20	90205686	1	FUEL GAUGE	

SECTION 10 - ELECTRICAL

FIGURE 10-2. (91143331) GAUGE PANEL ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



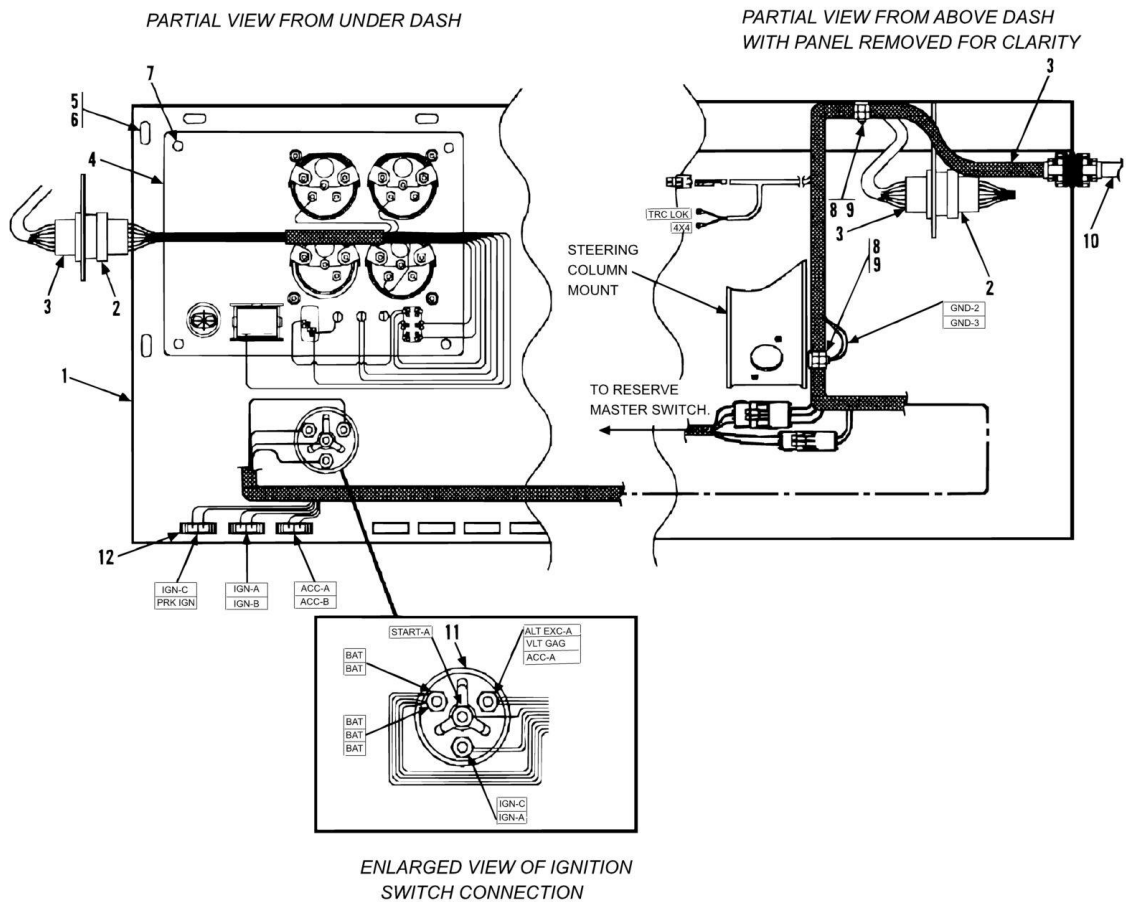
SECTION 10 - ELECTRICAL

FIGURE 10-2. (91143331) GAUGE PANEL ASSEMBLY (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143331	1	GAUGE PANEL (includes all items)	
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	77383470	2	BOOT	
9	91143128	2	AMBER INDICATOR LIGHT	
10	91143127	1	RED INDICATOR LIGHT	
		Ref	ADDED ITEMS 8 THRU 10 FOR SERVICE, AND INSTALLATION DIAGRAM FOR TYPICAL SWITCH AND BOOT	

SECTION 10 - ELECTRICAL

FIGURE 10-3. DASH PANEL (SN 0344001 through 0444002, SN 0266001 through 0266106)



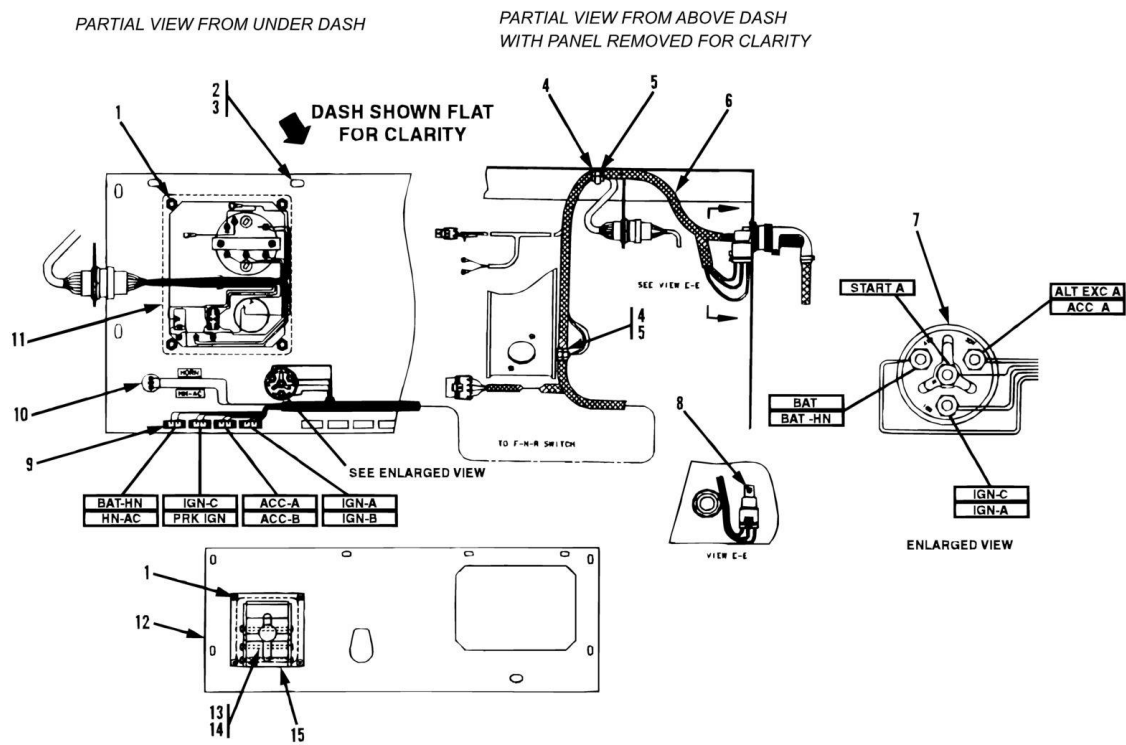
SECTION 10 - ELECTRICAL

FIGURE 10-3. DASH PANEL (SN 0344001 through 0444002, SN 0266001 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91141193	1	DASH PANEL	
2		Ref	GAUGE PANEL WIRING HARNESS (See (91143331) GAUGE PANEL ASSEMBLY for Breakdown)	
3	91143101	1	DASH PANEL WIRING HARNESS	
4		Ref	GAUGE PANEL (See (91143331) GAUGE PANEL ASSEMBLY for Breakdown)	
5	77143003	7	WHIZ-LOC SCREW	
6	77143006	4	WHIZ-LOC NUT	
7	88261022	4	HEX SOC BUT HD MACHINE SCREW, 5/16-18X3/4	
8	24861120	2	CLAMP	
9	88501006	3	HEX NUT, 3/8-16	
10		Ref	ENGINE WIRING HARNESS (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
11	91033317	1	IGNITION SWITCH	
12	77363268	3	15 AMP FUSE	

SECTION 10 - ELECTRICAL

FIGURE 10-4. DASH PANEL (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



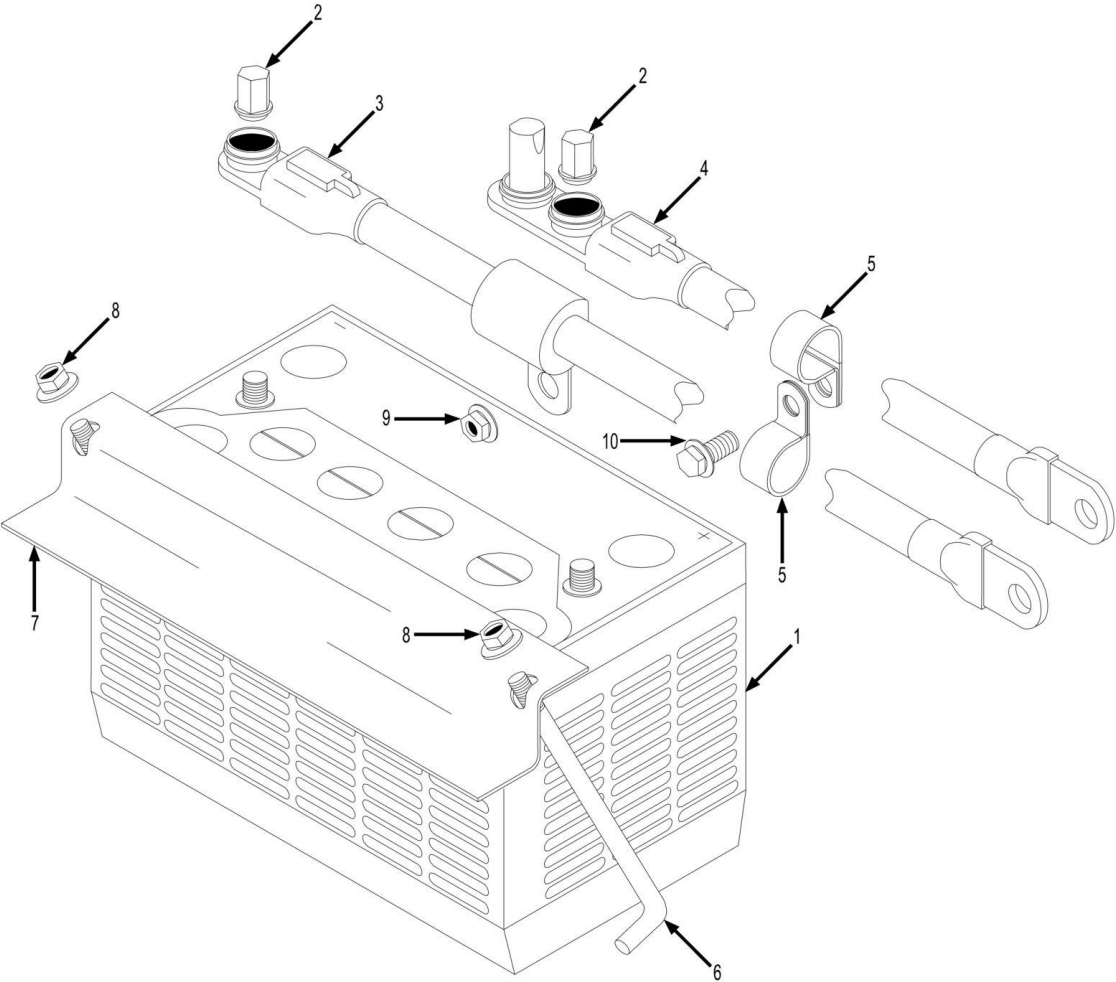
SECTION 10 - ELECTRICAL

FIGURE 10-4. DASH PANEL (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	88261022	10	SOCKET BUTTON HD CAPSCREW, #4-40X1/4	
2	77143003	7	WHIZ LOCK SCREW	
3	77143006	4	WHIZ LOCKNUT, 5/16-18	
4	24861170	2	CLAMP	
5	88501006	4	HEX NUT, 3/8-16	
6	91143349	1	DASH HARNESS	
7	91033317	1	IGNITION SWITCH	
8	88321029	1	SELF TAPPING SCREW, #10-24X3/8	
9	77363268	4	15 AMP FUSE	
10	24771004	1	HORN BUTTON	
11		Ref	GAUGE PANEL ASSY (See (91143331) GAUGE PANEL ASSEMBLY for Breakdown)	
12	91141513	1	DASH PANEL	
13	91143191	3	HEX HD CAPSCREW, 1/4-20X4-1/2	
14	88521304	3	HEX LOCKNUT, 1/4-20	
15	91086089	1	BRACKET	

SECTION 10 - ELECTRICAL

FIGURE 10-5. BATTERY AND CABLES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



SECTION 10 - ELECTRICAL

FIGURE 10-5. BATTERY AND CABLES (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

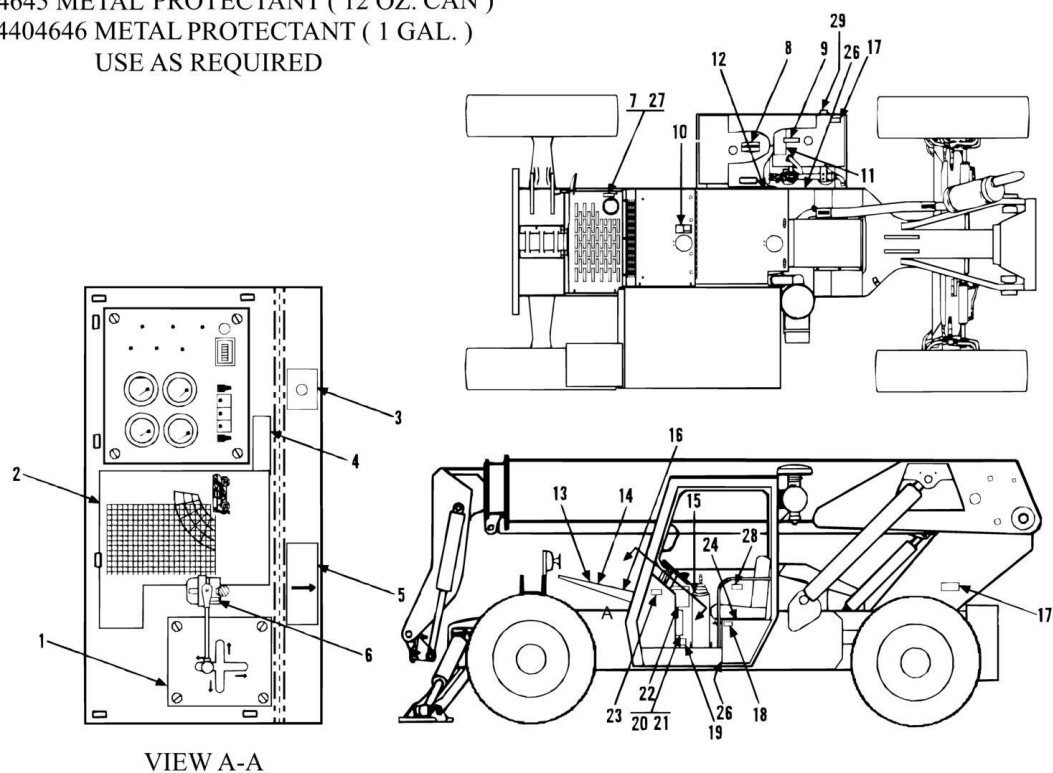
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80973021	1	BATTERY, (12 volt, 1000 amps), TOP STUD, 3/8-16 UNC THREAD, BCI GROUP 31	
2	77383567	2	BATTERY POST TERMINAL	
3	91143124	1	NEGATIVE BATTERY CABLE	
4	91143099	1	POSITIVE BATTERY CABLE	
5	85941017	4	SUPPORT CLAMP	
6	91081640	2	HOLD DOWN STUD	
7	91141429	1	BATTERY HOLD DOWN	
8	77143006	2	WHIZ LOCKNUT, 5/16-18	
9	77143015	1	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)	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	
		Ref	ADDED PART NUMBER AND CHANGED DESCRIPTION ON ITEM 1.	

SECTION 11 - MISCELLANEOUS

SECTION 11 - MISCELLANEOUS

FIGURE 11-1. FRAME DECALS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)

14404645 METAL PROTECTANT (12 OZ. CAN)
14404646 METAL PROTECTANT (1 GAL.)
USE AS REQUIRED



SECTION 11 - MISCELLANEOUS

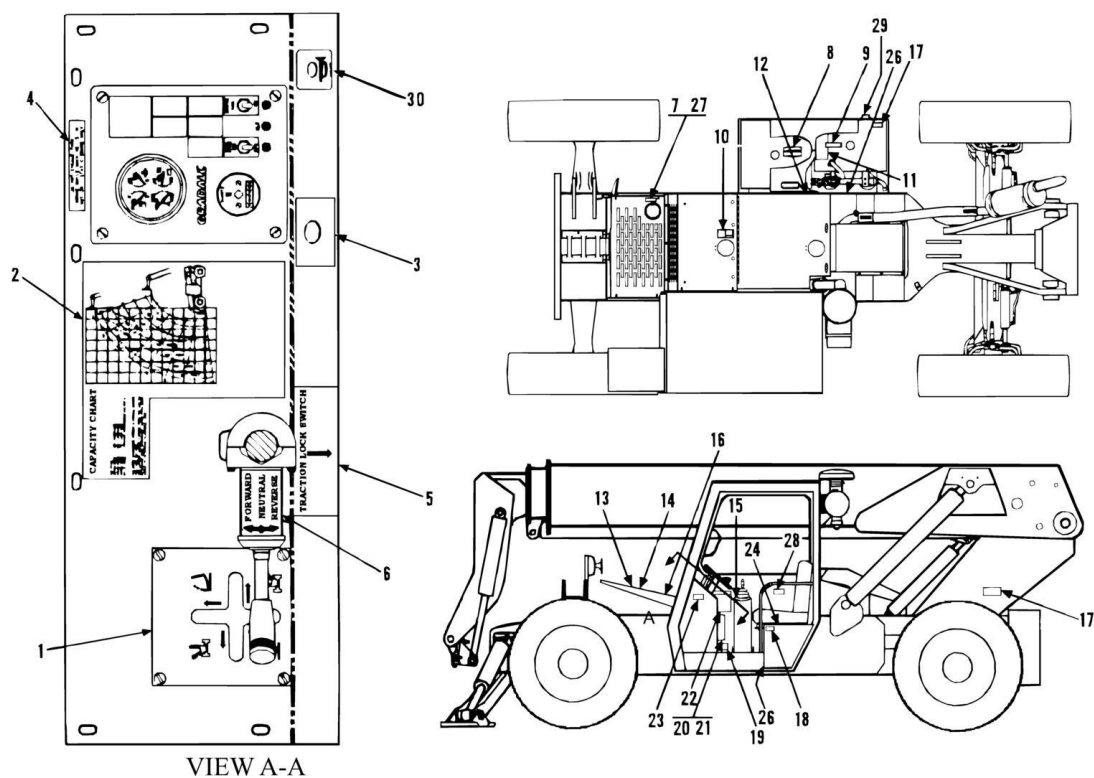
FIGURE 11-1. FRAME DECALS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145037	1	534C-9 DECALKIT, (white), (includes items 2 thru 19 & 23, 25 thru 27 See FRAME DECALS, plus items 5, 6, 7 See BOOM DECALS for Breakdown)	
	91155037	1	534C-10 DECAL KIT, (white), (includes items 2 thru 19 See FRAME DECALS, plus items 5, 7 & 9 thru 15 See BOOM DECALS for Breakdown)	
1	91083341	1	TILT/SWAY CONTROL PLATE	
2	91143151	1	CAPACITY DECAL, (534C-9)	
2	91153002	1	CAPACITY DECAL, (534C-10)	
3	91143120	1	INSTRUMENT PANEL DECAL	
4	91143182	1	PARK BRAKE DECAL	
5	91083314	1	TRACTION DECAL	
6	91083428	1	FORWARD-REVERSE DECAL	
7	91083494	1	BATTERY WARNING DECAL	
8	91083510	1	FUEL WARNING PLATE	
9	91083509	1	HYD OIL PLATE (SN 0344001 to Present, SN 0266001 to Present)	
9	91143288	1	HYD OIL PLATE (SN 0344394 to Present, SN 0266057 to Present)	
10	80603026	1	COOLING SYSTEM CAUTION DECAL	
11	91143162	1	TEST PORT DECAL	
12	77343018	1	WARNING DECAL	
13	83601011	1	ACCIDENT PREVENTION DECAL	
14	91043215	1	LIFTING PERSONNEL DECAL	
15	91303047	1	BOOM OPERATION DECAL	
16	91143181	1	SERVICE INSTRUCTION DECAL (SN 0344001 to Present, SN 0266001 to Present)	
16	91153034	1	SERVICE INSTRUCTION DECAL (SN 0344394 to Present, SN 0266057 to Present)	
17	91043209	3	PINCH POINT DECAL	
18	77333027	1	MADE IN U.S.A. DECAL	
19	91003030	1	PATENT DECAL	
20	91143306	1	SERIAL NUMBER AND ATTACHMENT PLATE, (534C-9)	
20	91153045	1	SERIAL NUMBER AND ATTACHMENT PLATE, (534C-10)	
21	88341022	4	DRIVE SCREW	
22	91063047	1	WARNING DECAL	
23	91043211	1	RIDERS WARNING DECAL	
24	91023006	1	STABILIZER DECAL, (534C-10 only)	
25	91033011	1	WARNING DECAL, (not shown), (located on side of fuel/hydraulic tank cover weldment)	
26	91083492	2	OIL WARNING DECAL, (one located on valve access cover)	
27	91083497	1	JUMP START WARNING	
28	91143292	1	DIPSTICK DECAL	
29	91163130	1	OIL LEVEL DECAL, (align full mark with black line on oil sight gage)	

SECTION 11 - MISCELLANEOUS

FIGURE 11-2. FRAME DECALS (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

14404645 METAL PROTECTANT (12 OZ. CAN)
14404646 METAL PROTECTANT (1 GAL.)
USE AS REQUIRED



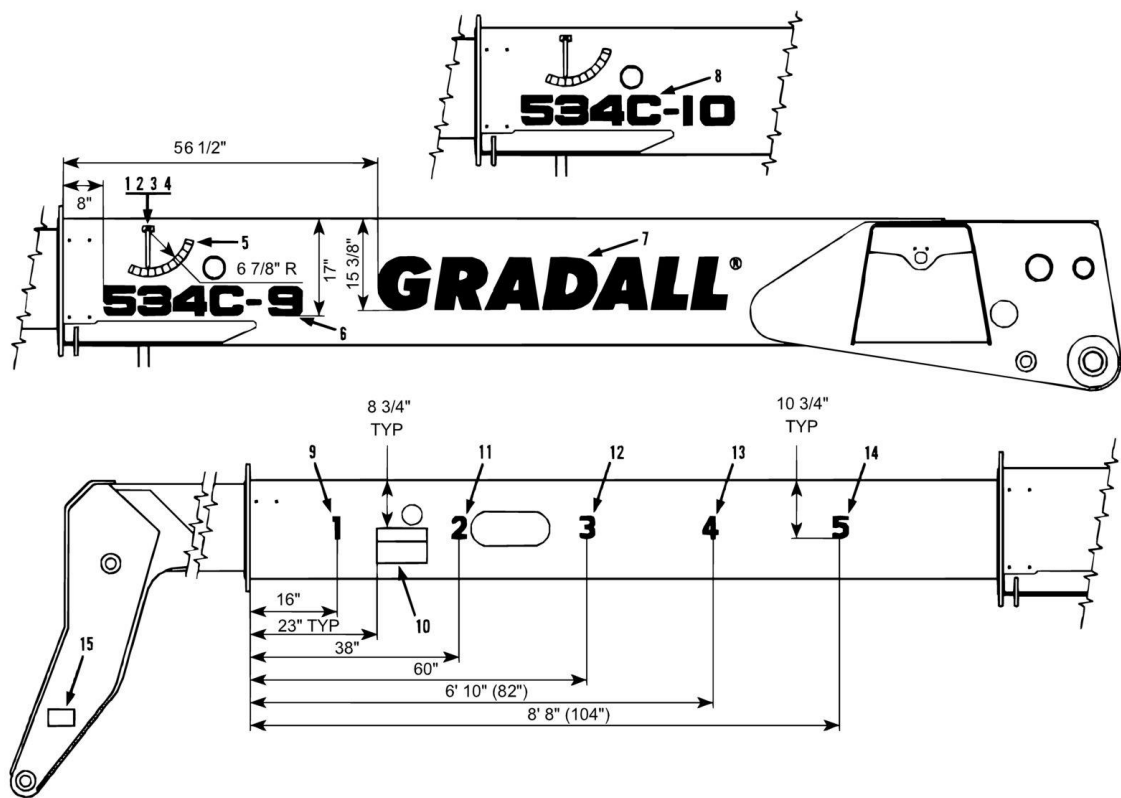
SECTION 11 - MISCELLANEOUS

FIGURE 11-2. FRAME DECALS (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145133	1	534C-9 DECAL KIT (white) (includes items 2 thru 19 & 22 thru 27 See FRAME DECALS, plus items 5, 6, 7 & 9 thru 15 See BOOM DECALS for Breakdown)	
	91155033	1	534C-10 DECAL KIT (white) (includes items 2 thru 19 See FRAME DECALS, plus items 5, 7 & 9 thru 15 See BOOM DECALS for Breakdown)	
1	91083341	1	TILT/SWAY CONTROL PLATE	
2	91143151	1	CAPACITY DECAL (534C-9)	
2	91153002	1	CAPACITY DECAL (534C-10)	
3	91143120	1	INSTRUMENT PANEL DECAL	
4	91143182	1	PARK BRAKE DECAL	
5	91083314	1	TRACTION DECAL	
6	91163028	1	SHIFTER DECAL	
7	91143284	1	BATTERY WARNING DECAL	
8	91143286	1	FUEL WARNING PLATE	
9	91143288	1	HYD OIL PLATE	
10	80603026	1	COOLING SYSTEM CAUTION DECAL	
11	91143162	1	TEST PORT DECAL	
12	91143280	1	WARNING DECAL	
13	80603022	1	ACCIDENT PREVENTION DECAL	
14	91143289	1	LIFTING PERSONNEL DECAL	
15	91303047	1	BOOM OPERATION DECAL	
16	91153034	1	SERVICE INSTRUCTION DECAL	
17	91143282	3	PINCH POINT DECAL	
18	77333027	1	MADE IN U.S.A. DECAL	
19	91003030	1	PATENT DECAL	
20	91143306	1	SERIAL NUMBER AND ATTACHMENT PLATE (534C-9)	
20	91153045	1	SERIAL NUMBER AND ATTACHMENT PLATE (534C-10)	
21	88341022	4	DRIVE SCREW	
22	91143287	1	WARNING DECAL	
23	91143283	1	RIDERS WARNING DECAL	
24	91023006	1	STABILIZER DECAL (534C-10 only)	
25	91143281	1	WARNING DECAL, (not shown), (located on side of fuel/hydraulic tank cover weldment)	
26	91083492	2	OIL WARNING DECAL (one located on valve access cover)	
27	91143285	1	JUMP START WARNING	
28	91143292	1	DIPSTICK DECAL	
29	91163130	1	OIL LEVEL DECAL (align full mark with black line on oil sight gage)	
30	91033089	1	HORN DECAL	

SECTION 11 - MISCELLANEOUS

FIGURE 11-3. BOOM DECALS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)



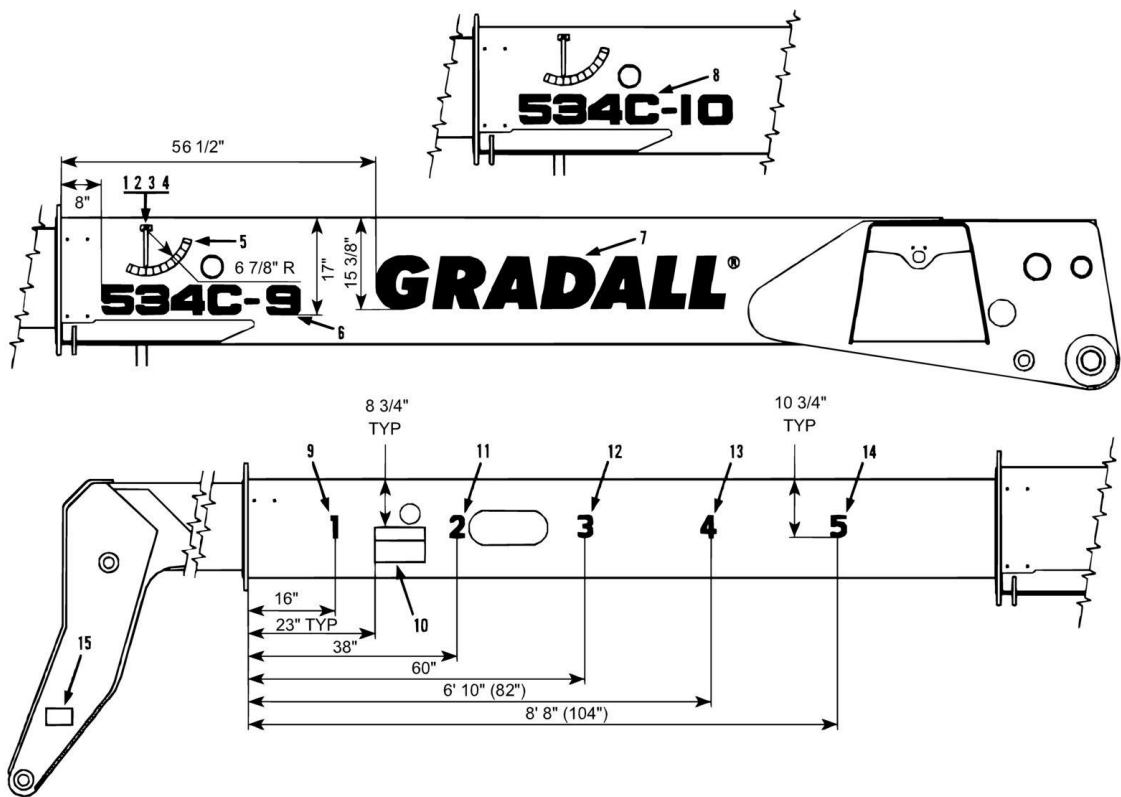
SECTION 11 - MISCELLANEOUS

FIGURE 11-3. BOOM DECALS (534C-9 SN 0344001 through 0444002; 534C-10 SN 0266001 through 0266106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145037	1	534C-9 DECAL KIT, (white), (includes items 2 thru 19, 22, 23, 25 thru 27 See FRAME DECALS, plus items 5, 6, 7 & 9 thru 15 See BOOM DECALS for Breakdown)	
	91155037	1	534C-10 DECAL KIT, (white), (includes items 2 thru 19 & 22 thru 27 See FRAME DECALS, plus items 5, 7 & 9 thru 15 See BOOM DECALS for Breakdown)	
1	90200445	1	PENDULUM	
2	90200688	1	BEARING	
3	90026491	1	SHOULDER BOLT, 1/4-20	
4	88561108	1	WASHER, 5/16	
5	91003031	1	BOOM ANGLE DECAL	
6	91143166	2	534C-9 DECAL, WHITE, (std)	
6	91143167	2	534C-9 DECAL, BLACK, (opt)	
7	91123037	2	GRADALL DECAL, WHITE, (std)	
7	91123038	2	GRADALL DECAL, BLACK, (opt)	
8	91153009	2	534C-10 DECAL, WHITE, (std)	
8	91153010	2	534C-10 DECAL, BLACK, (opt)	
9	91003016	1	#1 DECAL, WHITE, (std)	
9	91043134	1	#1 DECAL, BLACK, (opt)	
10	80603037	2	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	91033023	1	QUICK SWITCH DECAL	

SECTION 11 - MISCELLANEOUS

FIGURE 11-4. BOOM DECALSSTARTING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



SECTION 11 - MISCELLANEOUS

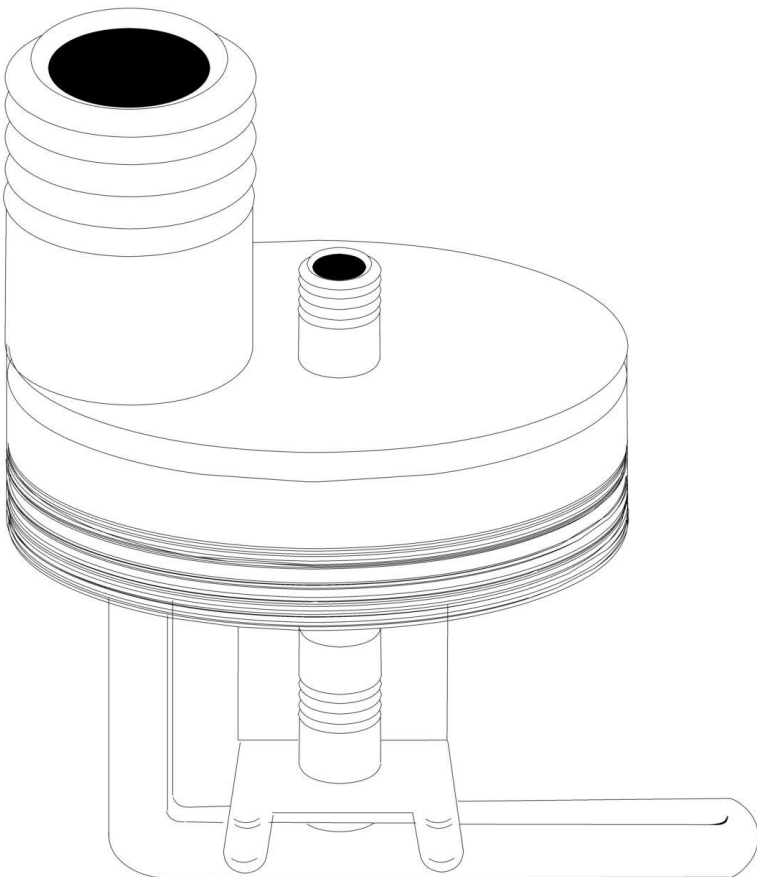
FIGURE 11-4. BOOM DECALS STARTING (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145133	1	534C-9 DECAL KIT (white) (includes items 2 thru 19 & 22 thru 27 See FRAME DECALS, plus items 5, 6, 7 & 9 thru 15 See BOOM DECALS for Breakdown)	
	91155033	1	534C-10 DECAL KIT (white) (includes items 2 thru 19 & 22 thru 27 See FRAME DECALS, plus items 5, 7 & 9 thru 15 See BOOM DECALS for Breakdown)	
1	90200445	1	PENDULUM	
2	90200688	1	BEARING	
3	90026491	1	SHOULDER BOLT, 1/4-20	
4	88561108	1	WASHER, 5/16	
5	91003031	1	BOOM ANGLE DECAL	
6	91143166	2	534C-9 DECAL, WHITE (std)	
6	91143167	2	534C-9 DECAL, BLACK (opt)	
7	91123037	2	GRADALL DECAL, WHITE (std)	
7	91123038	2	GRADALL DECAL, BLACK (opt)	
8	91153009	2	534C-10 DECAL, WHITE (std)	
8	91153010	2	534C-10 DECAL, BLACK (opt)	
9	91003016	1	#1 DECAL, WHITE (std)	
9	91043134	1	#1 DECAL, BLACK (opt)	
10	80603019	2	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	QUICK SWITCH DECAL	

SECTION 12 - OPTIONAL EQUIPMENT

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-1. (91043353) BLOCK HEATER (SN 0344001 to Present, SN 0266001 to Present)



REPLACES FROST PLUG ON RIGHT SIDE OF ENGINE.

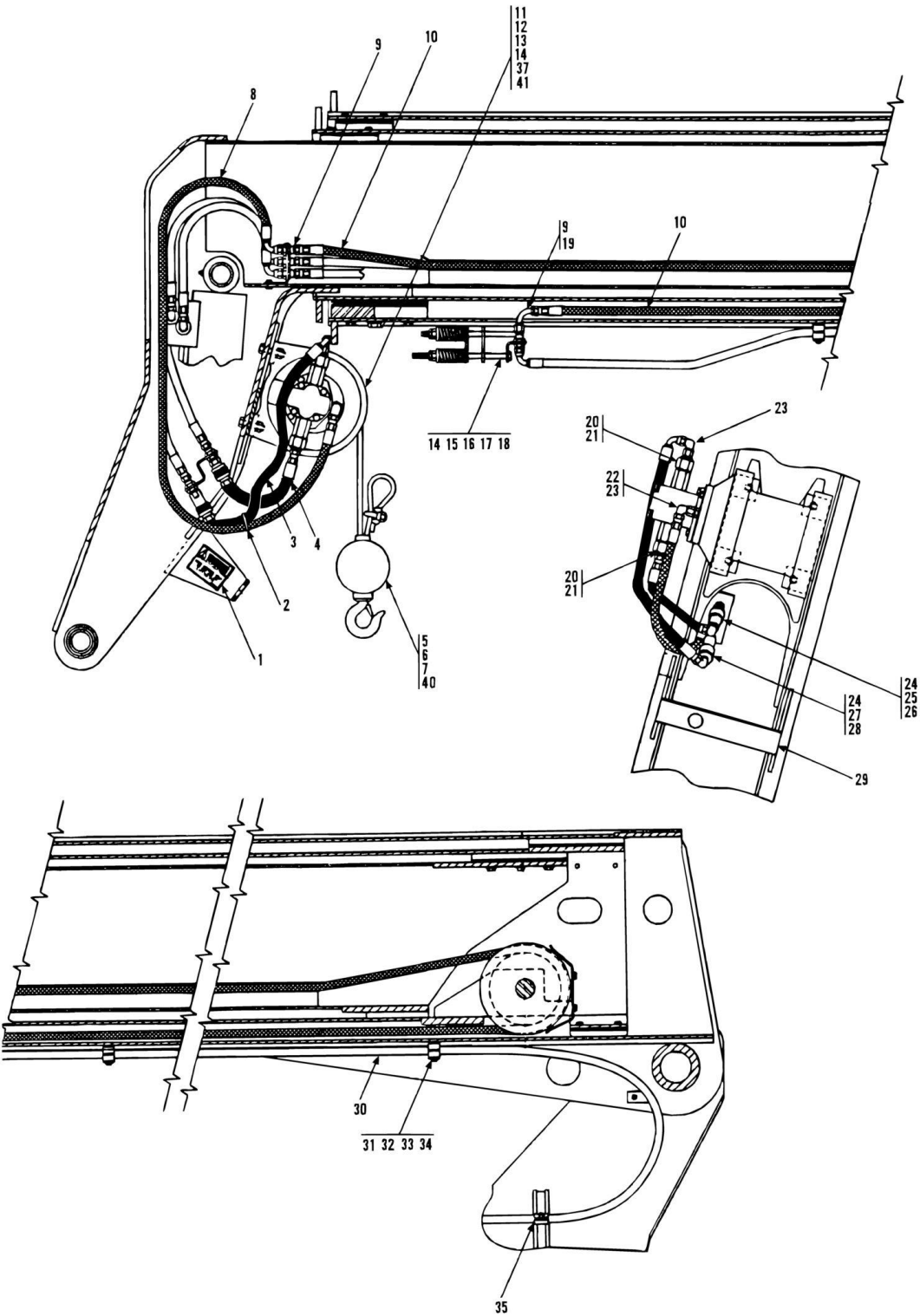
SECTION 12 - OPTIONAL EQUIPMENT

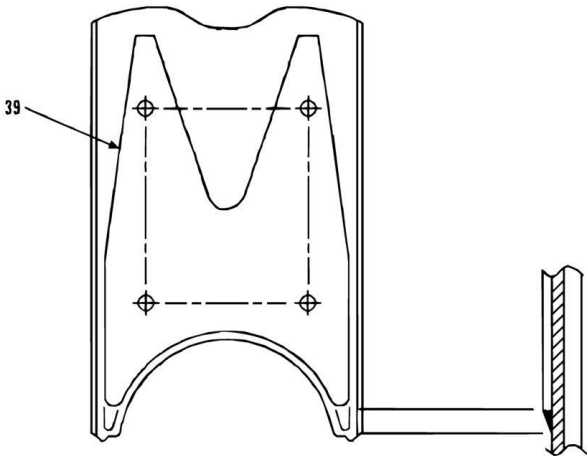
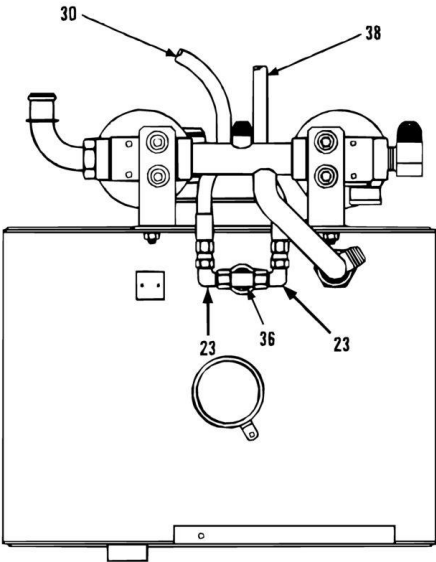
FIGURE 12-1. (91043353) BLOCK HEATER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91043353	1	BLOCK HEATER	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-2. (91145018) WINCH INSTALLATION - 534C-9;(91155003) WINCH INSTALLATION - 543C-10 (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)





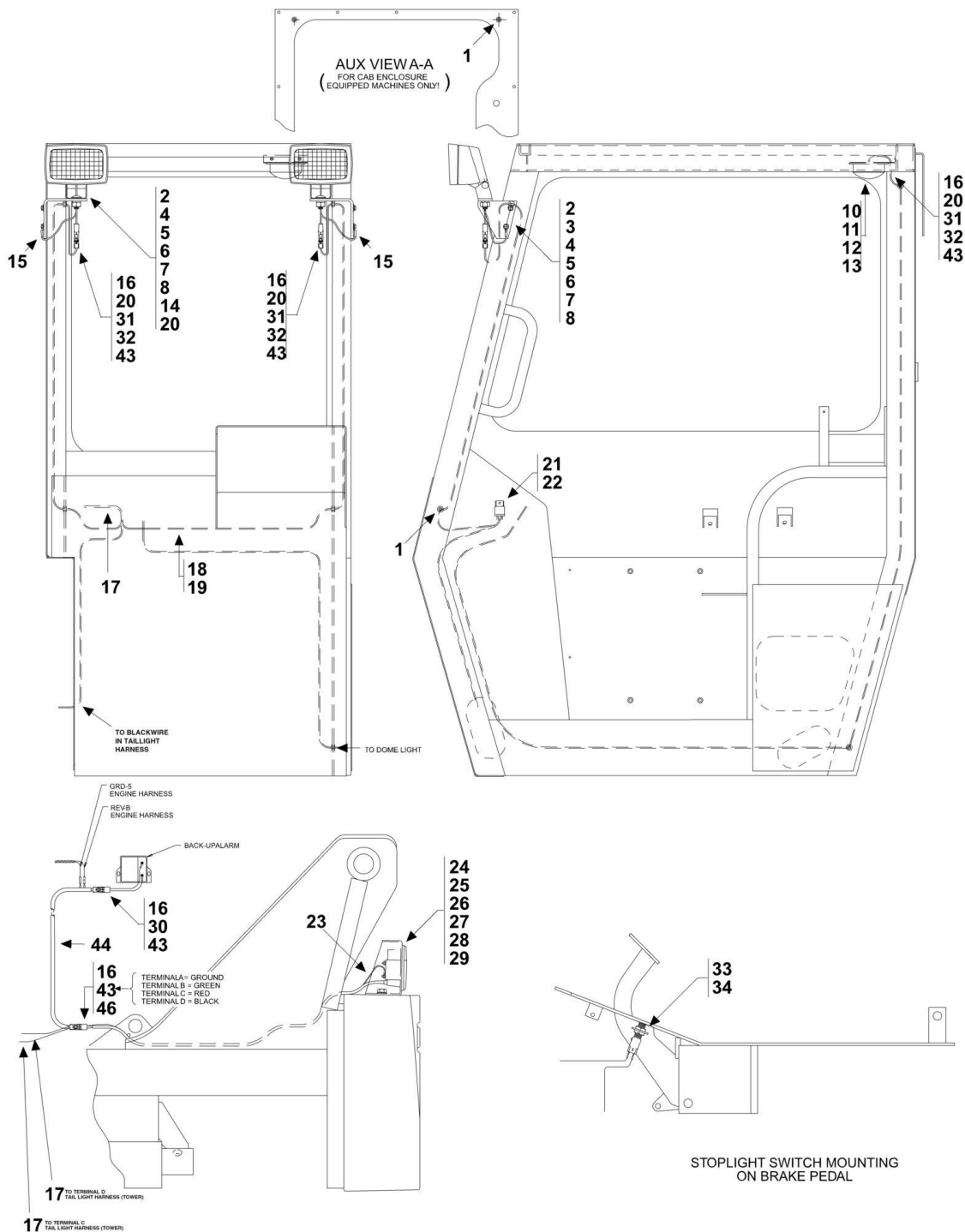
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-2. (91145018) WINCH INSTALLATION - 543C-9:(91155003) WINCH INSTALLATION - 543C-10 (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

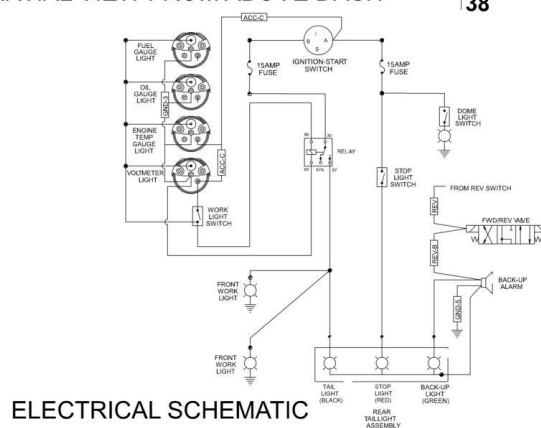
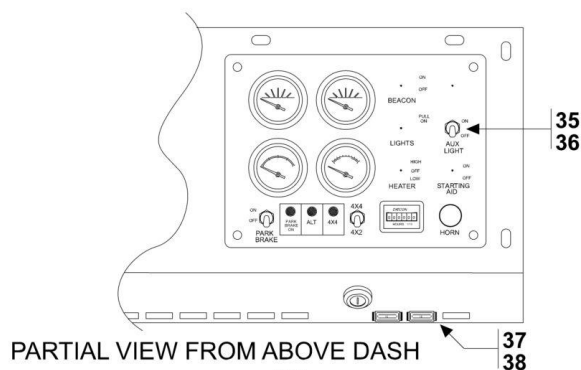
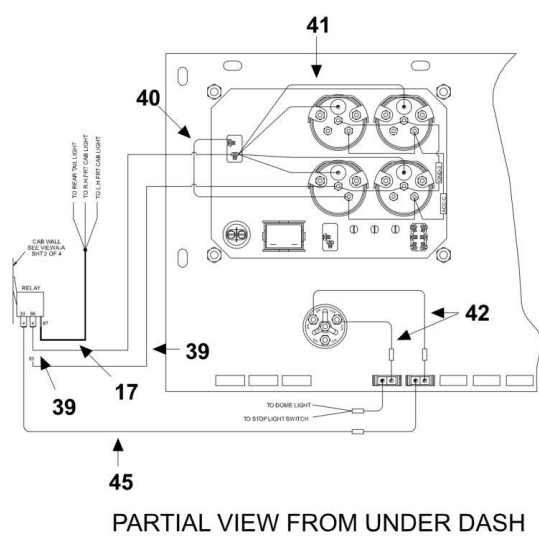
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145018	Ref	WINCH INSTALLATION, (includes all items except items 37, 38 & 41), (534C-9)	
	91155003	Ref	WINCH INSTALLATION, (includes all items except item 38), (534C-10)	
1	91083535	1	CAUTION DECAL	
2	90027187	5	NYLON TIE, (locate as required)	
3	84716148	1	HOSE ASSY	
4	84718046	1	HOSE ASSY	
5	90207882	1	CABLE	
6	90201443	1	HOOK AND BALL, (includes item 40)	
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 (91033196) WINCH for Breakdown)	
12	88201070	4	HEX HD CAPSCREW, 1/2-13X2-1/4, GR5, (534C-9)	
12	86121186	4	HEX HD CAPSCREW, 1/2-13X2, (534C-10)	
13	90027471	8	HARDENED WASHER, 1/2	
14	88501008	5	HEX NUT, 1/2-13, (534C-9)	
14	88501008	9	HEX NUT, 1/2-13, (534C-10)	
15	91146028	1	HOSE TAKE-UP WELDMENT	
16	91123054	1	COMPRESSION SPRING	
17	91121134	1	SPRING RETAINER	
18	88501108	1	JAM NUT, 1/2-13	
19	91143145	1	ELBOW-90, (swivel nut)	
20	91033230	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	88662225	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE	
37	91151006	1	MOUNTING PLATE, (534C-10)	
38	84718409	1	HOSE ASSY	
39	91141194	1	WINCH MOUNTING PLATE, (534C-9)	
39	91151004	1	WINCH MOUNTING PLATE, (534C-10)	
40	91144440	1	SAFETY LATCH KIT	
41	83201149	4	HEX HD CAPSCREW, 1/2-13X3, (534C-10)	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-3. (91145021) WORK LIGHT PACKAGE (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



SECTION 12 - OPTIONAL EQUIPMENT



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-3. (91145021) WORK LIGHT PACKAGE (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

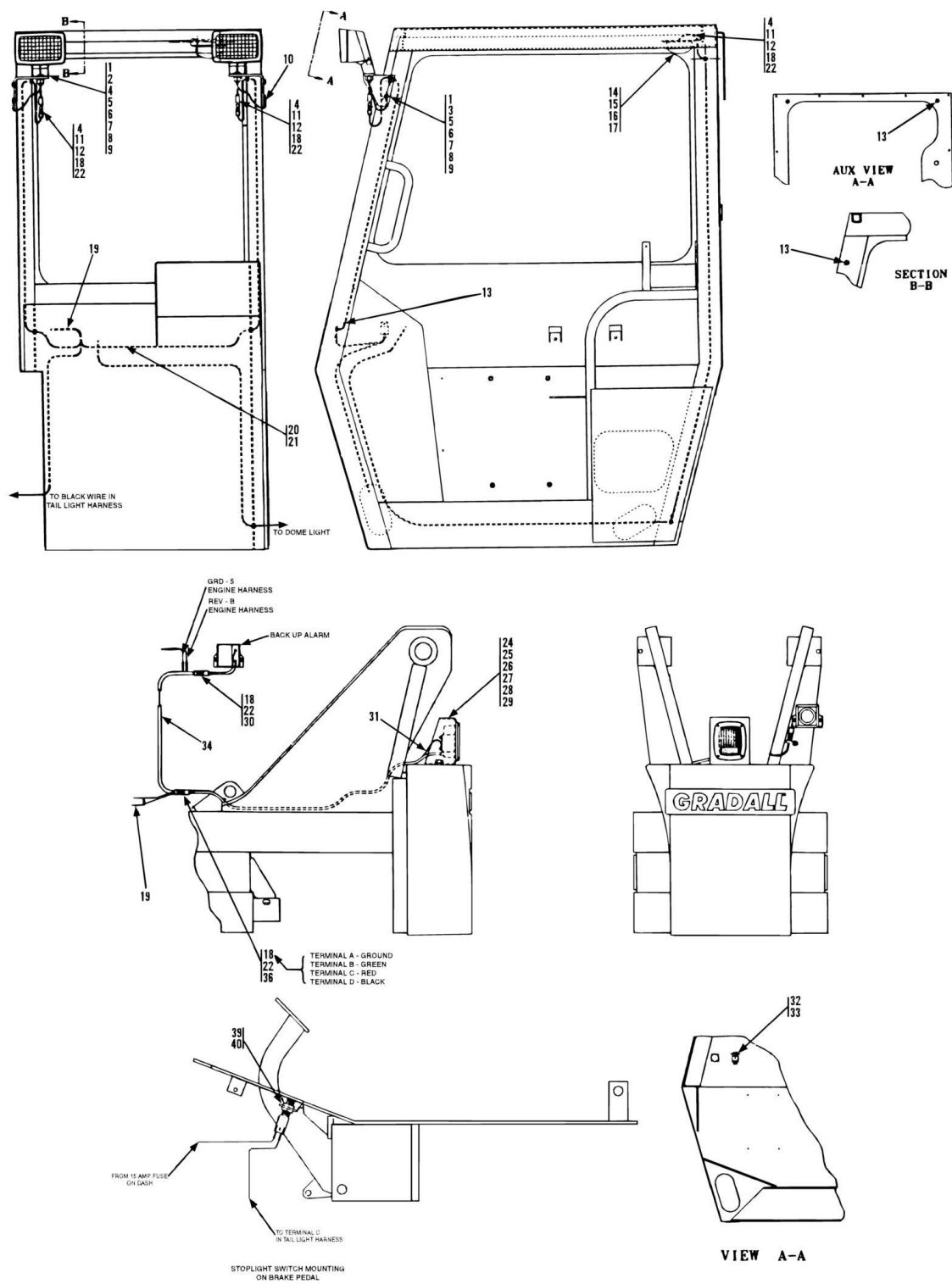
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145021	1	WORK LIGHT PACKAGE, (includes all items)	
1	90027214	8	RUBBER GROMMET	
2	80963050	2	UTILITY FLOOD LIGHT	
3	91141183	1	L.H. LIGHT SUPPORT	
4	88201035	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
5	88561109	2	FLATWASHER, 3/8	
6	88551011	2	LOCKWASHER, 3/8	
7	88501006	2	HEX NUT, 3/8-16	
8	90027319	4	TAP SCREW, 1/4-20X1	
9		Ref	WIRE LOOM, (use on all wires)	
10	91011009	1	MOUNTING BRACKET	
11	90029955	1	RUBBER GROMMET	
12	88321022	2	SELF TAPPING SCREW, #8-32X3/8	
13	24861167	1	INTERIOR LIGHT	
14	91141182	1	R.H. LIGHT SUPPORT	
15	86883260	2	EYELET	
16	80963069	9	W.PACK CONNECTOR, (male pin)	
17	91143270	1	LIGHT HARNESS	
18	91053419	19	TIE WRAP	
19	86683122	6	TIE WRAP	
20	80963055	3	W.PACK CONNECTOR, (tower)	
21	77383410	1	RELAY, (located on side wall of cab)	
22	88321039	1	SELF TAPPING SCREW, #10-32X1/2	
23	91141364	1	JUMPER WIRE	
24	88201108	1	HEX HD CAPSCREW, 3/4-10X1-1/4, GR5	
25	88561115	1	FLATWASHER, 3/4	
26	88551016	1	LOCKWASHER, 3/4	
27	91121145	1	TAIL LIGHT HOUSING	
28	91121146	1	TAIL LIGHT BRACKET	
29	91365045	1	TAIL LIGHT ASSEMBLY, (includes the following seven items)	
29	91123065	1	TAIL LIGHT	
29	86661147	38 in	WIRE, 16 GAUGE, (black)	
29	86661149	38 in	WIRE, 16 GAUGE, (green)	
29	86661152	38 in	WIRE, 16 GAUGE, (red)	
29	86683480	3	BUTT CONNECTOR	
29	82033996	45 in	WIRE LOOM	
29	86683122	2	TIE WRAP	
30	80963058	1	W. PACK CONNECTOR, (shroud)	
31	80963056	3	W. PACK CONNECTOR, (shroud)	
32	80963068	3	W. PACK CONNECTOR, (female pin)	
33	91143117	1	STOP LIGHT SWITCH	
34	91141197	1	MOUNTING TAB	
35	77383467	1	LIGHT SWITCH	
36	77383470	1	BOOT	
37	91143108	2	FUSE HOLDER	
38	77363268	2	FUSE, 15 AMP	
39	91141265	2	JUMPER WIRE	
40	91141258	1	JUMPER WIRE	
41	91033360	4	GAUGE LIGHTING KIT	

SECTION 12 - OPTIONAL EQUIPMENT

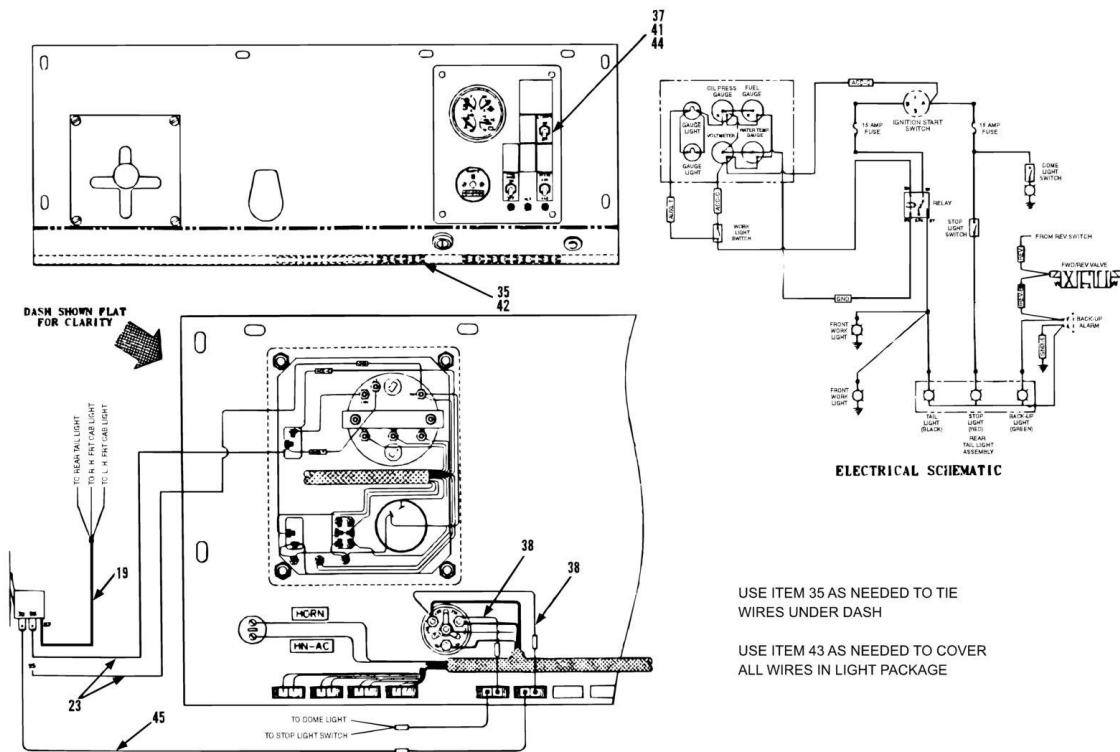
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	91141259	2	JUMPER WIRE	
43	80963066	12	W. PACK CONNECTOR, (cable seal)	
44	91143210	1	TAIL LIGHT HARNESS	
45	91141266	1	JUMPER WIRE	
46	80963062	1	W. PACK CONNECTOR, (shroud)	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-4. (91145098) WORK LIGHT PACKAGE (SN 0444003 to Present)



SECTION 12 - OPTIONAL EQUIPMENT



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-4. (91145098) WORK LIGHT PACKAGE (SN 0444003 to Present)

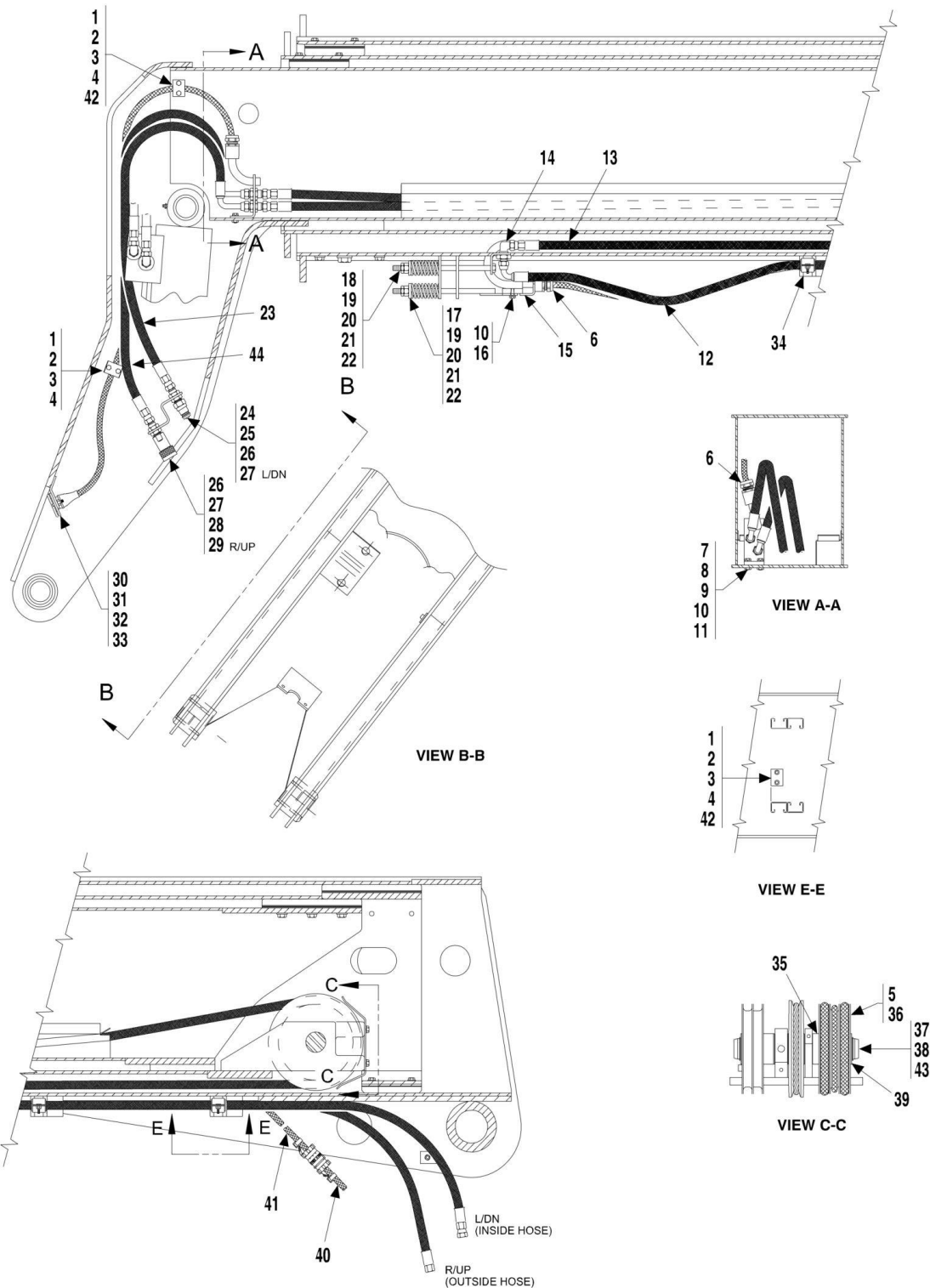
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145098	1	WORKLIGHT PACKAGE, (includes all items)	
1	80963050	2	UTILITY FLOOD LIGHT	
2	91141182	1	R.H. LIGHT SUPPORT	
3	91141183	1	L.H. LIGHT SUPPORT	
4	80963055	4	W. PACK CONNECTOR, (tower)	
5	88201035	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
6	88561109	2	FLATWASHER, 3/8	
7	88551011	2	LOCKWASHER, 3/8	
8	88501006	2	HEX NUT, 3/8-16	
9	90027319	4	TAP SCREW, 1/4-20X1	
10	86883260	2	EYELET	
11	80963056	3	W. PACK CONNECTOR, (shroud)	
12	80963068	3	W. PACK CONNECTOR, (female pin)	
13	90027214	8	RUBBER GROMMET	
14	91011009	1	MOUNTING BRACKET	
15	90029955	1	RUBBER GROMMET	
16	88321022	2	SELF TAPPING SCREW, #8-32X3/8	
17	24861167	1	INTERIOR LIGHT	
18	80963069	9	W. PACK CONNECTOR, (male pin)	
19	91143270	1	LIGHT HARNESS	
20	86683122	6	TIE WRAP	
21	91053419	19	TIE WRAP	
22	80963066	12	W. PACK CONNECTOR, (cable seal)	
23	91141265	2	JUMPER WIRE	
24	91121145	1	TAIL LIGHT HOUSING	
25	91121146	1	TAIL LIGHT BRACKET	
26	91365045	1	TAIL LIGHT ASSEMBLY, (includes the followings even items)	
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	86683480	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	FLATWASHER, 3/4	
29	88551016	1	LOCKWASHER, 3/4	
30	80963058	1	W. PACK CONNECTOR, (shroud)	
31	91141364	1	JUMPER WIRE	
32	77383410	1	RELAY	
33	88321039	1	SELF TAPPING SCREW, #10-32X1/2	
34	91143210	1	TAIL LIGHT HARNESS	
35	77363268	2	FUSE, 15 AMP	
36	80963062	1	W. PACK CONNECTOR, (shroud)	
37	77383470	1	BOOT	
38	91141259	2	JUMPER WIRE	
39	91141197	1	MOUNTING TAB	
40	91143117	1	STOPLIGHT SWITCH	
41	77383467	1	LIGHT SWITCH	
42	91143108	2	FUSE HOLDER	

SECTION 12 - OPTIONAL EQUIPMENT

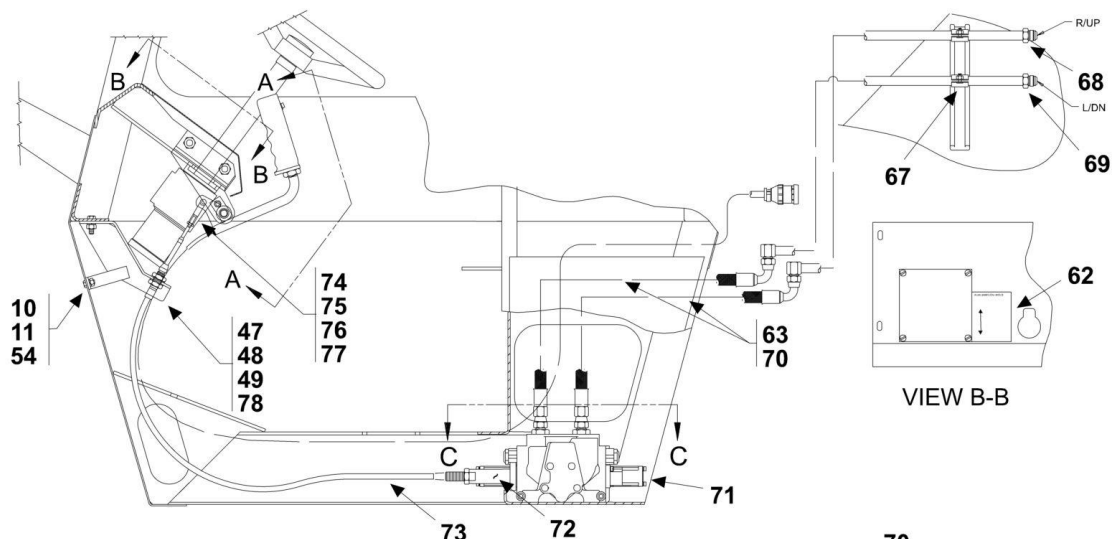
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43		Ref	WIRE LOOM, (use on all wires)	
44	91363009	1	LIGHTS ON/OFF DECAL	
45	91141266	1	JUMPER WIRE	

SECTION 12 - OPTIONAL EQUIPMENT

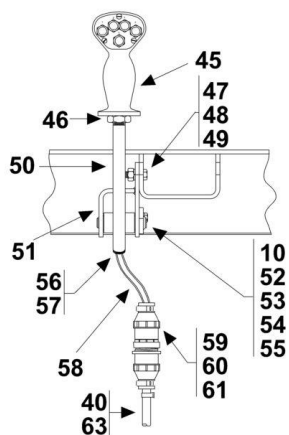
FIGURE 12-5. (91145022) AUXILIARY HYDRAULICS W/ELECTRIC (534C-9 SN 0344001 to Present;
534C-10 SN 0266001 to Present)



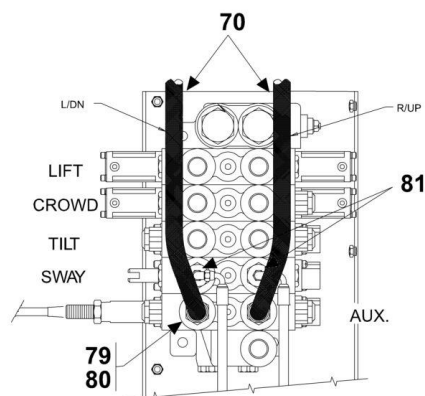
SECTION 12 - OPTIONAL EQUIPMENT



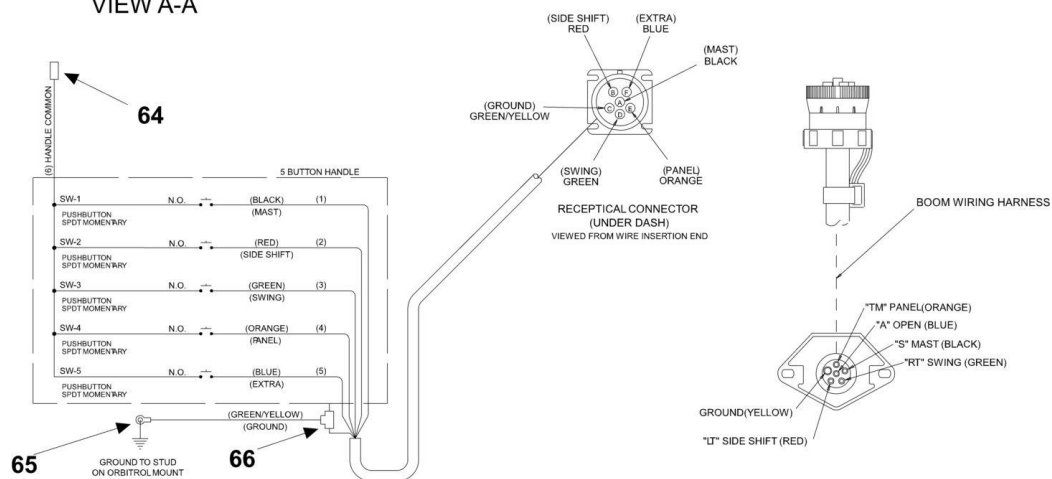
VIEW B-B



VIEW A-A



VIEW C-C



SECTION 12 - OPTIONAL EQUIPMENT

**FIGURE 12-5. (91145022) AUXILIARY HYDRAULICS W/ELECTRIC (534C-9 SN 0344001 to Present;
534C-10 SN 0266001 to Present)**

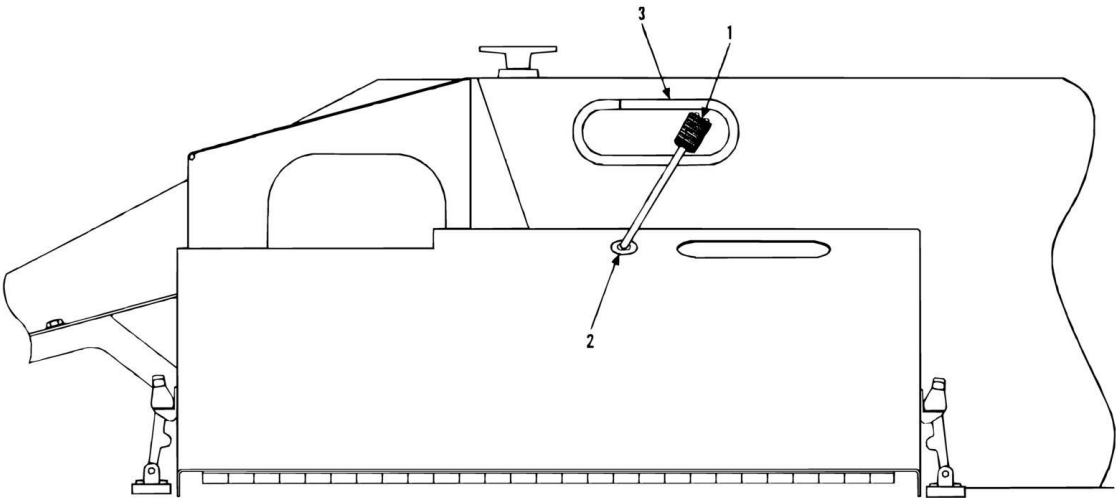
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145022	Ref	AUXILIARY HYDRAULICS W/ELEC, (includes all items)	
1	91203039	5	SUPPORT CLAMP	
2	88561107	5	FLAT WASHER, 1/4	
3	88551009	5	LOCKWASHER, 1/4	
4	88501004	5	HEX NUT, 1/4-20	
5	91343212	2	HOSE SHEAVE	
6	91143141	1	CORD CONNECTOR	
7	91346011	1	BRACKET WELDMENT	
8	90027176	2	STR THD BULKHEAD FITTING	
9	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
10	88551010	6	LOCKWASHER, 5/16	
11	88501005	3	HEX NUT, 5/16-18	
12	84719019	2	HOSE ASSY	
13	84719575	3	HOSE ASSY	
14	90027180	2	90, BULKHEAD FITTING	
15	91366015	1	CABLE TAKE-UP WELDMENT	
16	88201017	2	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
17	91126032	1	CABLE TAKE-UP SUPPORT	
18	91166068	2	HOSE TAKE-UP WELDMENT	
19	91123054	3	COMPRESSION SPRING	
20	91121134	3	SPRING RETAINER	
21	88501008	3	HEX NUT, 1/2-13	
22	88501108	3	HEAVY HEX JAM NUT, 1/2-13	
23	84718385	1	HOSE ASSY	
24	91163138	1	MALE HYDRAULIC COUPLER	
25	91043126	1	DUST CAP	
26	91043321	2	STRAIGHT BULKHEAD FITTING	
27	88712304	2	REDUCING BUSHING, 1/2X3/8	
28	91163139	1	FEMALE HYDRAULIC COUPLER	
29	91043125	1	DUST PLUG	
30	91121139	1	RECEPTACLE BRACKET	
31	90207661	1	CONTACT SOCKET	
32	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
33	88521304	2	HEX LOCKNUT, 1/4-20	
34	90207464	6	CUSHION CLAMP	
35	91551037	2	SPACER	
36	91343213	1	HOSE SHEAVE	
37	91141144	1	RETRACTION SHEAVE PIN	
38	88581149	1	EXTERNAL RETAINING RING	
39	91041449	1	THRUST WASHER	
40	91143105	1	AUXILIARY FRAME WIRING HARNESS	
41	91143373	1	AUXILIARY BOOM WIRING HARNESS	
42	85611274	5	WELD STUD	
43	14404793	AR	MYSTIK TETRIMOLY GREASE	
44	84718557	1	HOSE ASSY	
45		Ref	5 BUTTON HANDLE, (See (91033387) 5-BUTTON HANDLE for Breakdown)	
46	88501112	1	HEAVY HEX JAM NUT, 3/4-10	
47	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	

SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	88501006	4	HEX NUT, 3/8-16	
49	88551011	4	LOCKWASHER, 3/8	
50	91126024	1	LEVER WELDMENT	
51	91126025	1	LEVER BRACKET	
52	91126027	1	PIN WELDMENT	
53	91083136	2	BUSHING	
54	88201018	2	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
55	90028662	2	WAVE BEND WASHER	
56	91123051	1	MOLDED RUBBER BUSHING	
57	14402248	AR	3M ADHESIVE	
58	Bulk	12 in	LOOM, 5/16 I.D.	
59	77363232	1	RECEPTACLE CONNECTOR	
60	77363228	6	PIN CONTACT	
61	91143107	1	STRAIN RELIEF	
62	91033394	1	AUXILIARY CONTROL DECAL	
63	90027187	9	TY-RAP, (ty-rap wiring harness to steering hoses)	
64	86983193	1	MALE BULLET	
65	91033391	1	INSULATED RING TERMINAL	
66	90028968	1	CONNECTOR	
67	90207463	2	CUSHION CLAMP, 3/4	
68	91143040	1	TUBE ASSY	
69	91143039	1	TUBE ASSY	
70	84718384	2	HOSE ASSY	
71		Ref	MAIN CONTROL VALVE, (See (91143041) CONTROL VALVE W/AUX HYD for Breakdown)	
72	91123062	1	CABLE ADAPTER BONNET	
73	91123050	1	PUSH-PULL CABLE	
74	88821002	1	ADJ YOKE END, 1/4-28	
75	88633001	1	YOKE PIN, 1/4	
76	88631302	1	COTTER PIN, 1/16X3/4	
77	88501404	1	HEX JAM NUT, 1/4-28	
78	91126023	1	CABLE BRACKET WELDMENT	
79	88662022	2	CONNECTOR, (includes item 80)	
80	88591207	2	O-RING	
81	88662103	2	ELBOW, 90, (swivel nut)	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-6. (91145032) VANDAL KIT (SN 0344001 to Present, SN 0266001 to Present)



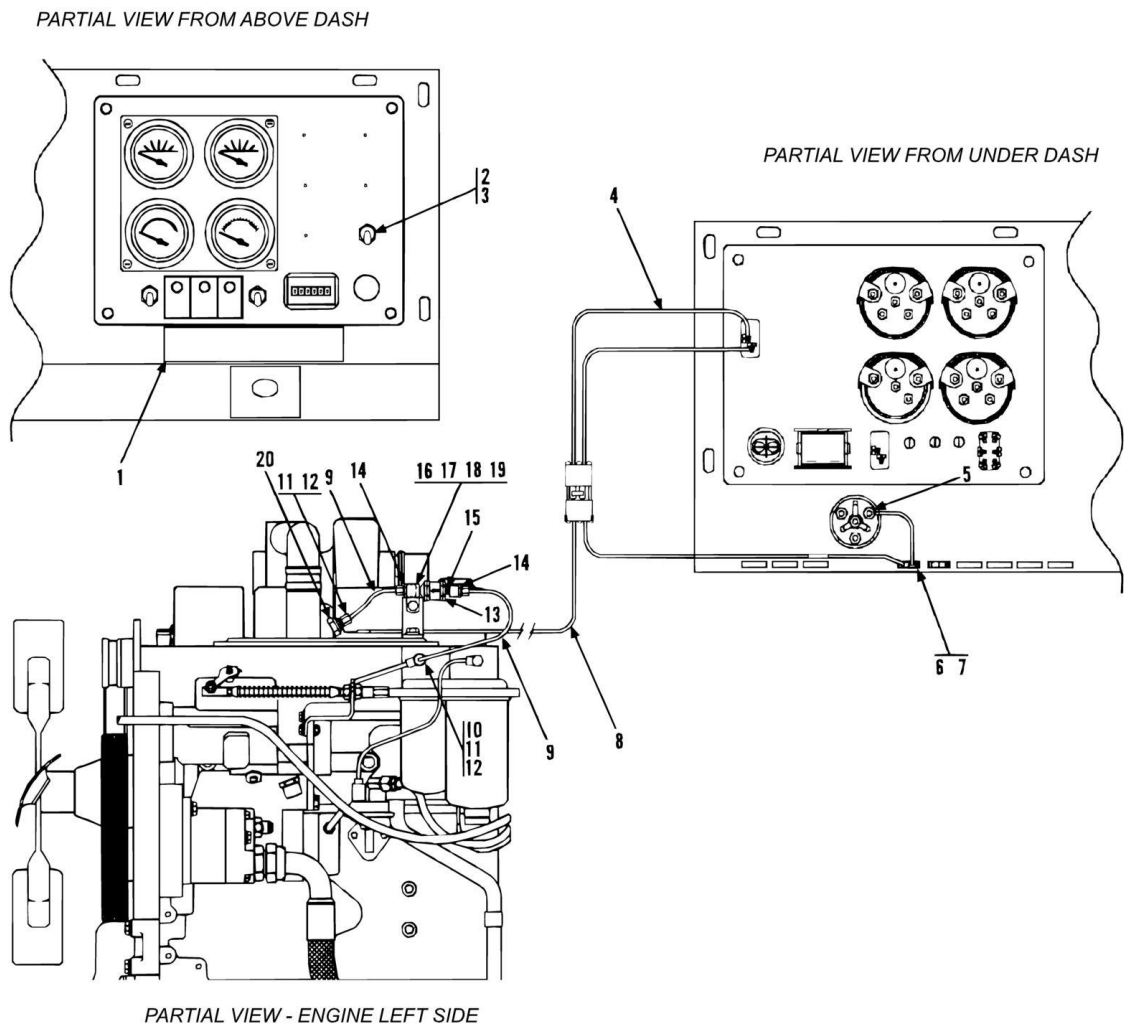
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-6. (91145032) VANDAL KIT (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145032	1	VANDAL KIT (includes all items)	
1	91083365	1	PADLOCK	
2	86961044	2	RUBBER GROMMET	
3	90206194	12 in	TRIM LOCK	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-7. (91145033) GLOW PLUG INSTALLATION (SN 0344001 to Present)



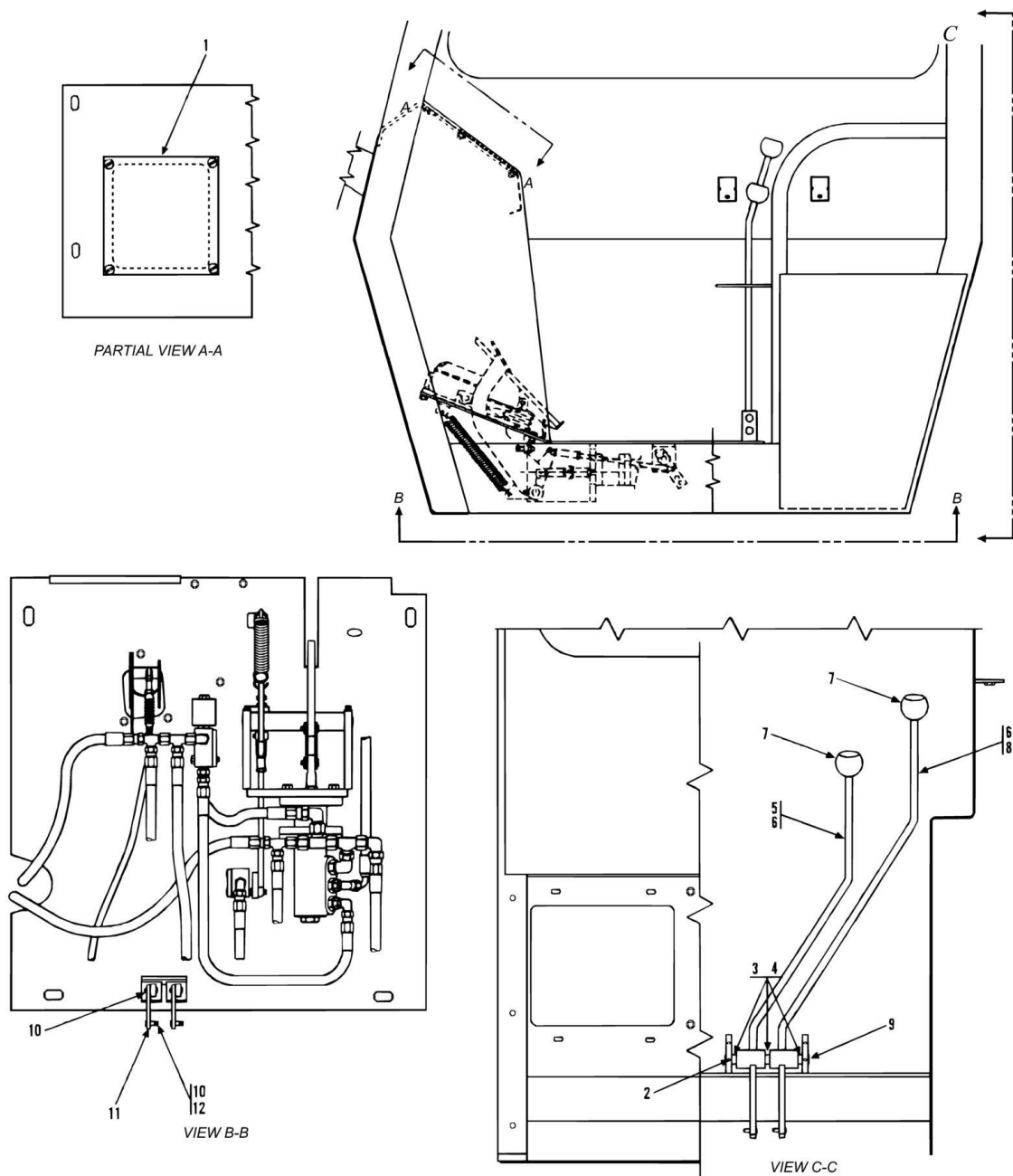
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-7. (91145033) GLOW PLUG INSTALLATION (SN 0344001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145033	1	GLOW PLUG INSTALLATION (includes all items)	
1	91143164	1	INSTRUCTION DECAL	
2	91143163	1	TOGGLE SWITCH	
3	77383470	1	BOOT	
4	91145034	1	WIRING HARNESS	
5	86983190	1	#10 EYELET	
6	91143108	1	FUSE HOLDER	
7	77363268	1	15 AMP FUSE	
8	91145035	1	WIRING HARNESS	
9	91081676	1	STEEL TUBE (cut and bend as required.)	
10	91083374	1	BANJO CONNECTOR	
11	91083375	2	OLIVE	
12	91083371	2	TUBE NUT	
13	86683330	1	FUEL CHECK VALVE	
14	91083380	2	BRASS ADAPTER (includes nut and sleeve)	
15	88701002	1	CLOSE NIPPLE	
16	91081582	1	SUPPORT BRACKET	
17	24861170	1	CLIP	
18	88201016	1	HEX HD CAPSCREW, 5/16-18x1/2, GR5	
19	88551010	1	LOCKWASHER, 5/16	
20	91083372	1	THERMOSTART	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-8. (91145036) R.H. TILT/SWAY (SN 0344001 to Present, SN 0266001 to Present)



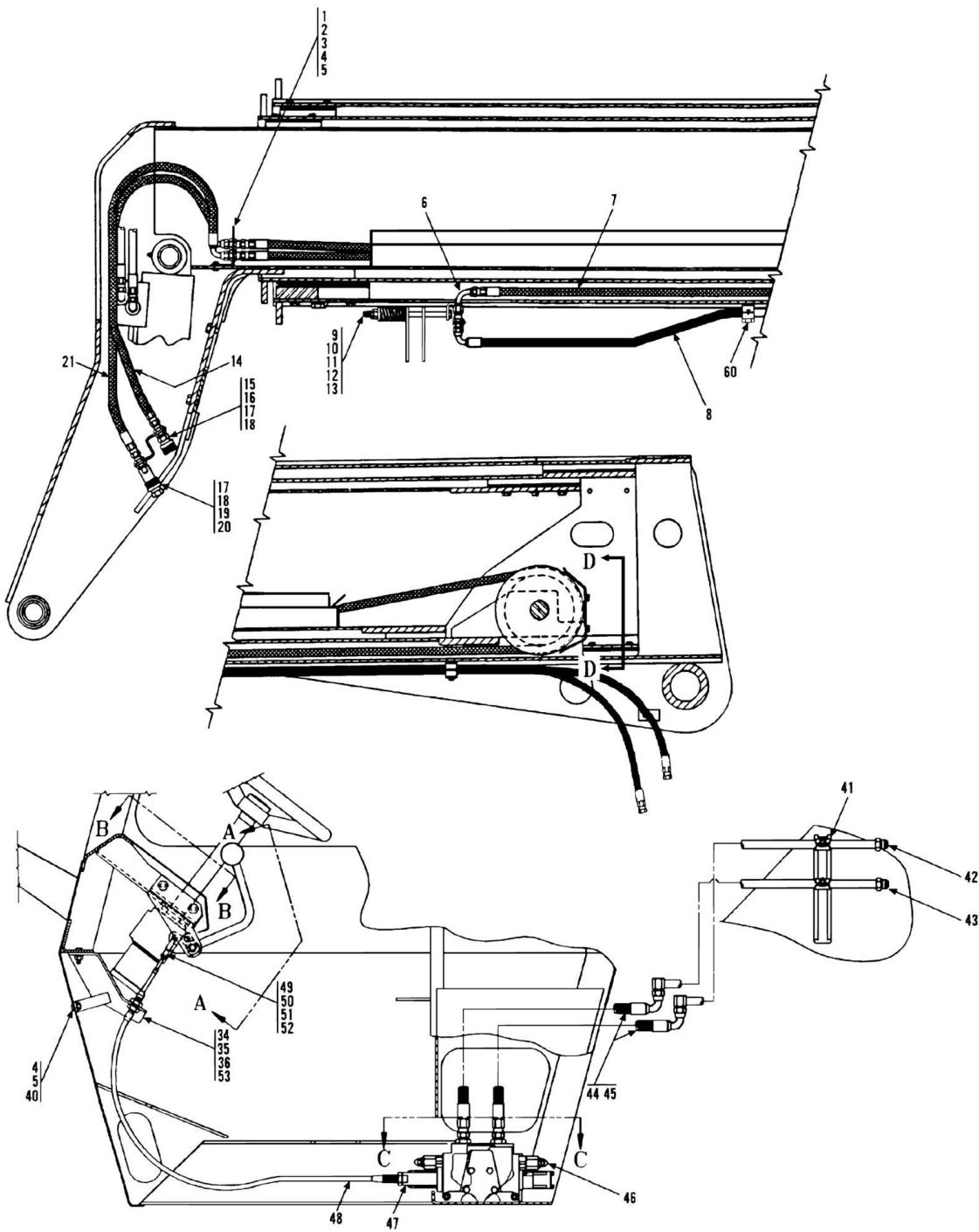
SECTION 12 - OPTIONAL EQUIPMENT

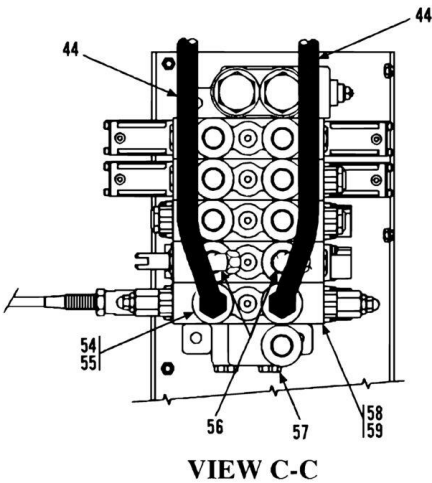
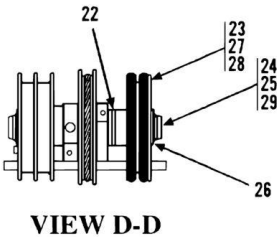
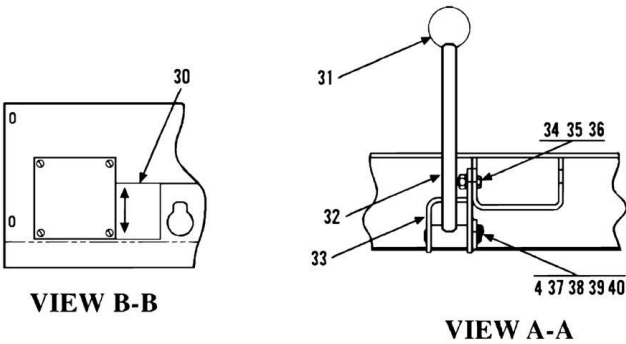
FIGURE 12-8. (91145036) R.H. TILT/SWAY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145036	Ref	R.H. TILT/SWAY	
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	91141224	2	ROD LINKAGE	
12	90021552	2	CLEVIS PIN	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-9. (91145047) AUXILIARY HYDRAULICS ASSEMBLY; (91145054) AUXILIARY HYDRAULICS INST. KIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)





SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-9. (91145047) AUXILIARY HYDRAULICS ASSEMBLY; (91145054) AUXILIARY HYDRAULICS INST. KIT (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

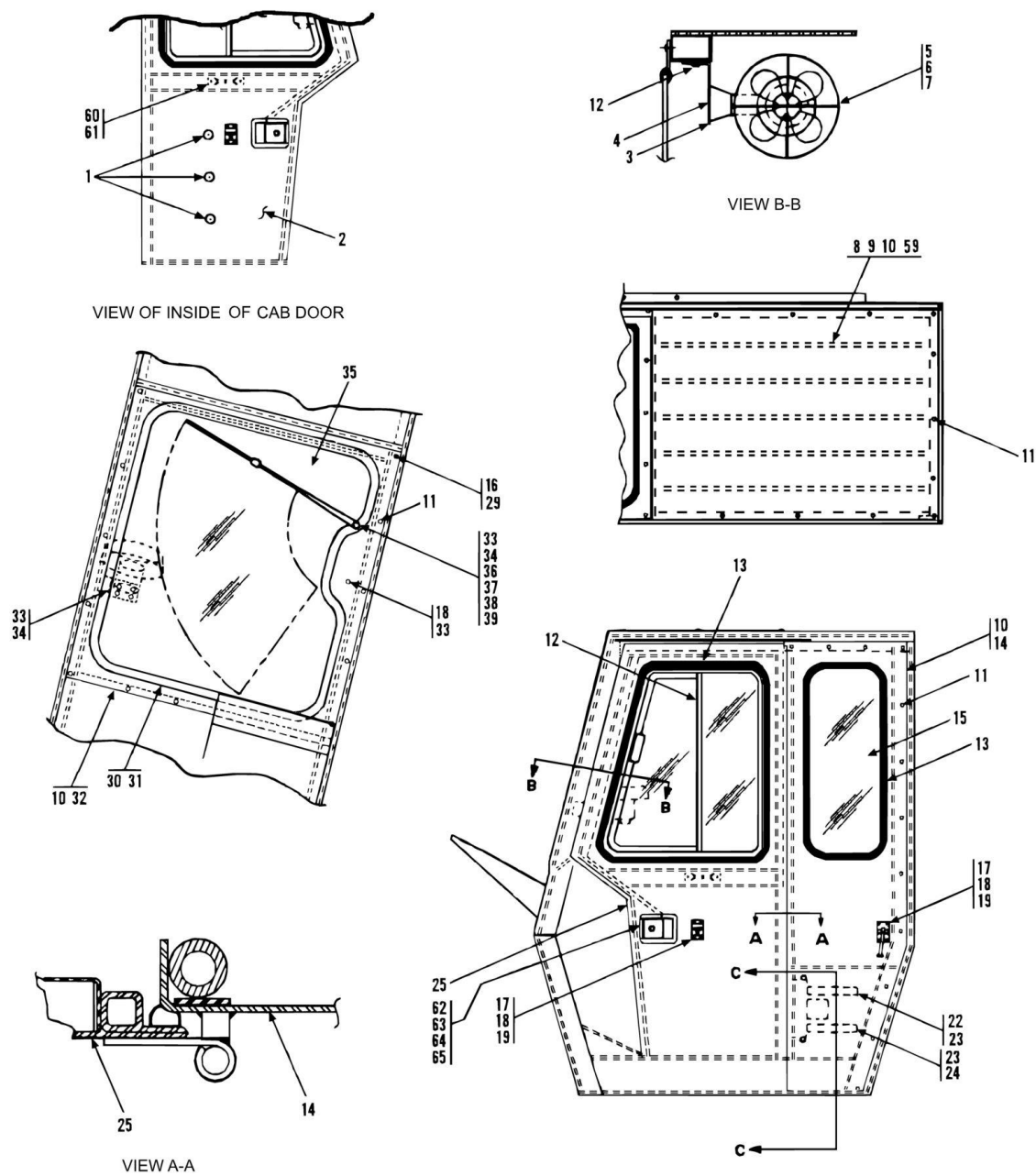
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145047	Ref	AUXILIARY HYDRAULICS ASSY, (includes all items except items 57, 58 & 59)	
	91145054	Ref	AUXILIARY HYDRAULICS INST KIT, (includes all items)	
1	91141210	1	BULKHEAD BRACKET	
2	90027176	2	STRAIGHT BULKHEAD FITTING	
3	88201020	2	HEX HD CAPSCREW, 5/16-18X1, GR5	
4	88551010	4	LOCKWASHER, 5/16	
5	88501005	3	HEX NUT, 5/16-18	
6	90027180	2	90, BULKHEAD FITTING	
7	84719575	2	HOSE ASSY	
8	84719019	2	HOSE ASSY	
9	91166068	2	HOSE TAKE-UP WELDMENT	
10	91123054	2	COMPRESSION SPRING	
11	91121134	2	SPRING RETAINER	
12	88501008	2	HEX NUT, 1/2-13	
13	88501108	2	JAM NUT, 1/2-13	
14	84718385	1	HOSE ASSY	
15	91163138	1	MALE HYDRAULIC COUPLER	
16	91043126	1	DUST CAP	
17	91043321	2	STRAIGHT BULKHEAD FITTING	
18	88712304	2	REDUCING BUSHING, 1/2X3/8	
19	91163139	1	FEMALE HYDRAULIC COUPLER	
20	91043125	1	DUST PLUG	
21	84718557	1	HOSE ASSY	
22	91551037	2	SPACER	
23	91343213	1	HOSE SHEAVE	
24	91141144	1	RETRACTION SHEAVE PIN	
25	88581149	1	EXTERNAL RETAINING RING	
26	91041449	1	THRUST WASHER	
27	91343212	1	HOSE SHEAVE	
28	91343215	1	SPACER	
29	14404793	AR	UNION 76 MEGAPLEX GREASE	
30	91033417	1	AUXILIARY CONTROL DECAL	
31	90200299	1	KNOB	
32	91126026	1	HANDLE WELDMENT	
33	91126025	1	LEVER BRACKET	
34	88201036	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
35	88501006	4	HEX NUT, 3/8	
36	88551011	4	LOCKWASHER, 3/8	
37	91126027	1	PIN WELDMENT	
38	91083136	2	BUSHING	
39	90028662	2	WAVE BEND WASHER	
40	88201018	2	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
41	90207463	2	CUSHION CLAMP	
42	91143040	1	TUBE ASSY	
43	91143039	1	TUBE ASSY	
44	84718384	2	HOSE ASSY	
45	90027187	5	TY-RAP	

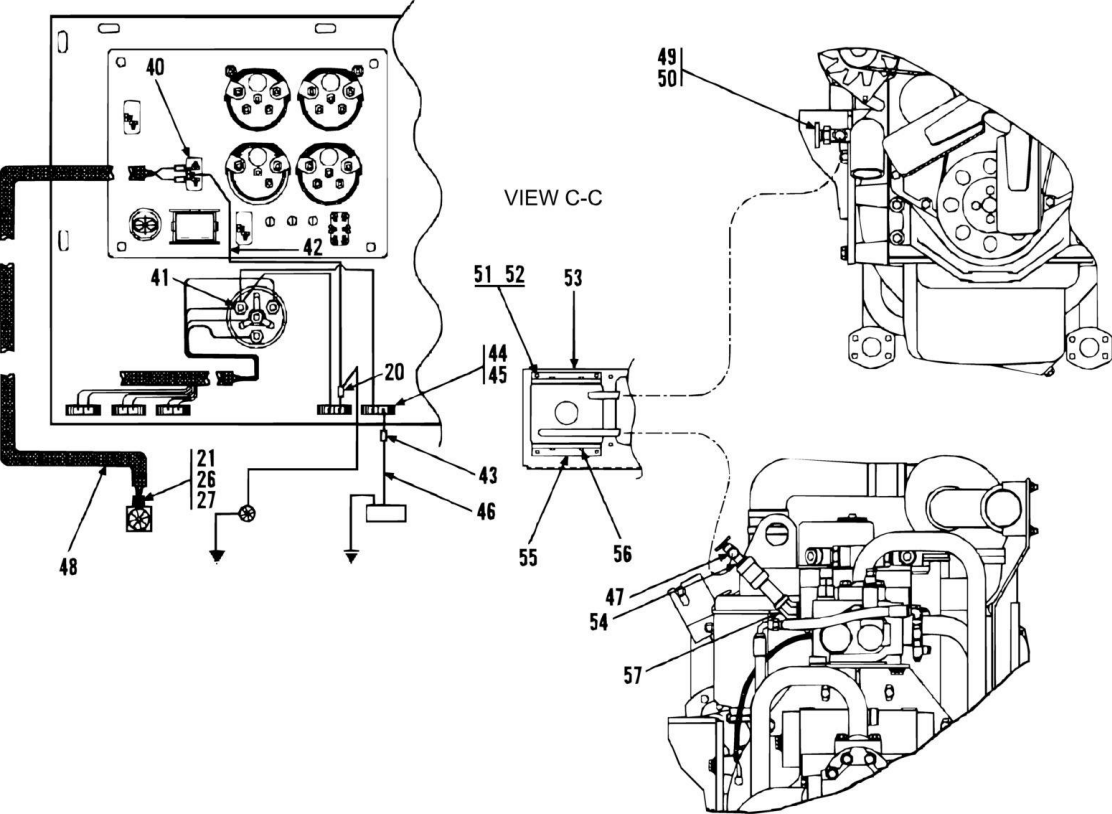
SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46		Ref	MAIN CONTROL VALVE, (See (91143041) CONTROL VALVE W/AUX HYD for Breakdown)	
47	91123062	1	CABLE ADAPTER BONNET	
48	91123050	1	PUSH-PULL CABLE	
49	88821002	1	ADJ YOKE END, 1/4-28	
50	88633001	1	YOKE PIN, 1/4	
51	88631302	1	COTTER PIN, 1/16X3/4	
52	88501404	1	HEX JAM NUT, 1/4-28	
53	91126023	1	CABLE BRACKET WELDMENT	
54	88662022	2	CONNECTOR, (includes item 55)	
55	88591207	2	O-RING	
56	88662103	2	ELBOW, 90, (swivel nut)	
57	91034070	1	STUD KIT	
58	91144194	1	AUXILIARY VALVE SECTION	
59	91144254	2	SEAL KIT	
60	90207464	6	CUSHION CLAMP	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-10. (91145050) CAB ENCLOSURE (SN 0344001 to Present, SN 0266001 to Present)





SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-10. (91145050) CAB ENCLOSURE (SN 0344001 to Present, SN 0266001 to Present)

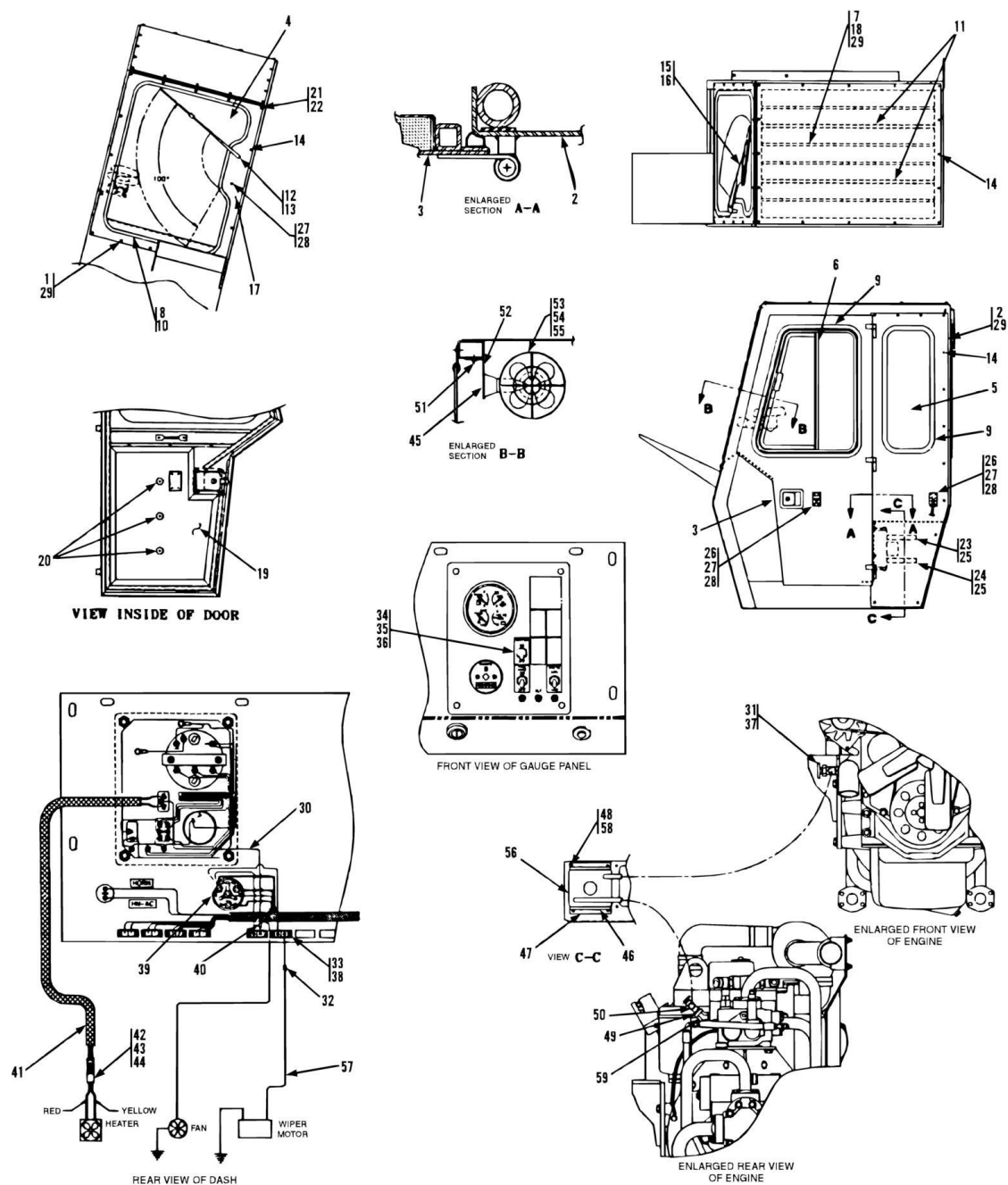
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145050	1	CAB ENCLOSURE (includes all items)	
1	91053559	3	INSULATION CAP	
2	91083378	1	INSULATION PANEL	
3	90029955	1	RUBBER GROMMET	
4	91081499	1	MOUNTING ANGLE	
5	90200680	1	DEFROSTER FAN	
6	88211030	4	HEX HD CAPSCREW, 5/16-18X3-1/2 GR5	
7	77143017	4	WHIZ-LOK NUT, #10-24	
8		Ref	TOP WINDOW (See CHASSIS AND ATTACHING PARTS SECTION for Breakdown)	
9	91143190	AR	GASKA-TAPE	
10	14403190	AR	VULKEM CAULK	
11	90027319	43	SELF-TAPPING SCREW, 1/4-20X1	
12		Ref	DOOR SLIDING WINDOW (See CHASSIS AND ATTACHING PARTS SECTION for Breakdown)	
13	83661145	14 ft	WEATHER STRIP	
14	91086115	2	LEFT SIDE WINDOW FRAME	
15		Ref	LEFT SIDE WINDOW (See CHASSIS AND ATTACHING PARTS SECTION for Breakdown)	
16	88201001	5	HEX HD CAPSCREW, 1/4-20X1/2, GR5	
17	91081545	1	DOOR HOLDER	
18	77143016	9	WHIZ-LOK SCREW, #10-24X3/4	
19	77143017	9	HEX NUT, #10-32	
20	83483078	1	CRIMP ON CONNECTOR	
21	80963058	1	SHROUD	
22	90206169	1	HEATER HOSE	
23	86683193	4	HOSE CLAMP	
24	91141459	1	HEATER HOSE	
25	91085057	1	CAB DOOR (includes 60 thru 65)	
26	80963069	1	MALE PIN TERMINAL	
27	80963067	2	CABLE SEAL	
29	88561107	5	WASHER, 1/4	
30	91083348	10 ft	CHANNEL MOULDING	
31	91083392	10 ft	RELEASE FILLER STRIP (locate release cord just below wiper motor with knot located at loose end of cord)	
32	91141332	1	FRONT WINDOW FRAME	
33	91053419	3	TY-RAP	
34	83683181	3	TY-RAP BASE	
35		Ref	FRONT WINDOW (See CHASSIS AND ATTACHING PARTS SECTION for Breakdown)	
36	90206023	1	WIPER MOTOR	
37	90027214	2	BUTTON GROMMET	
38	91033464	1	WINDSHIELD WIPER ARM	
39	91033465	1	WIPER BLADE, 15IN	
40	77383744	1	HEATER SWITCH	
41	86983188	1	RING TERMINAL	
42	91081680	1	JUMPER WIRE	
43	86683480	1	CRIMP ON CONNECTOR	
44	91143108	2	FUSE HOLDER	
45	77363268	2	15 AMP FUSE	
46	91141374	1	JUMPER WIRE	

SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	24641328	1	SHUT-OFF VALVE	
48	91123125	1	HEATER HARNESS	
49	77383540	1	ORIFICE	
50	91083155	1	TRUCK VALVE	
51	77143004	4	WHIZ-LOK SCREW	
52	77143006	4	WHIZ-LOK NUT	
53	91043429	1	HEATER	
54	88711383	1	PIPE BUSHING, 1/2X3/8	
55	91031521	2	HEATER MOUNTING BRACKET	
56	88201005	4	HEX HD CAPSCREW, 1/4-20X1, GR5	
57	88712034	1	STREET ELBOW, 1/2X45	
58	91083376	1	EMERGENCY EXIT DECAL (not shown) (located on corner post of cab next to emergency release cord)	
59	91143220	78 ft	TRIM - LOK	
60	90203840	1	PULL HANDLE (on inside of door)	
61	88321039	2	SELF TAPPING SCREW	
62	91083263	1	FLUSH LOCK	
63	88301070	4	RD HD MACHINE SCREW, #8-32X1/2IN	
64	88521604	4	LOCKNUT, #8-32	
65	88561104	4	FLAT WASHER, #8	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-11. (91145096) CAB ENCLOSURE (SN 0444003 to Present, SN 0266107 to Present)



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-11. (91145096) CAB ENCLOSURE (SN 0444003 to Present, SN 0266107 to Present)

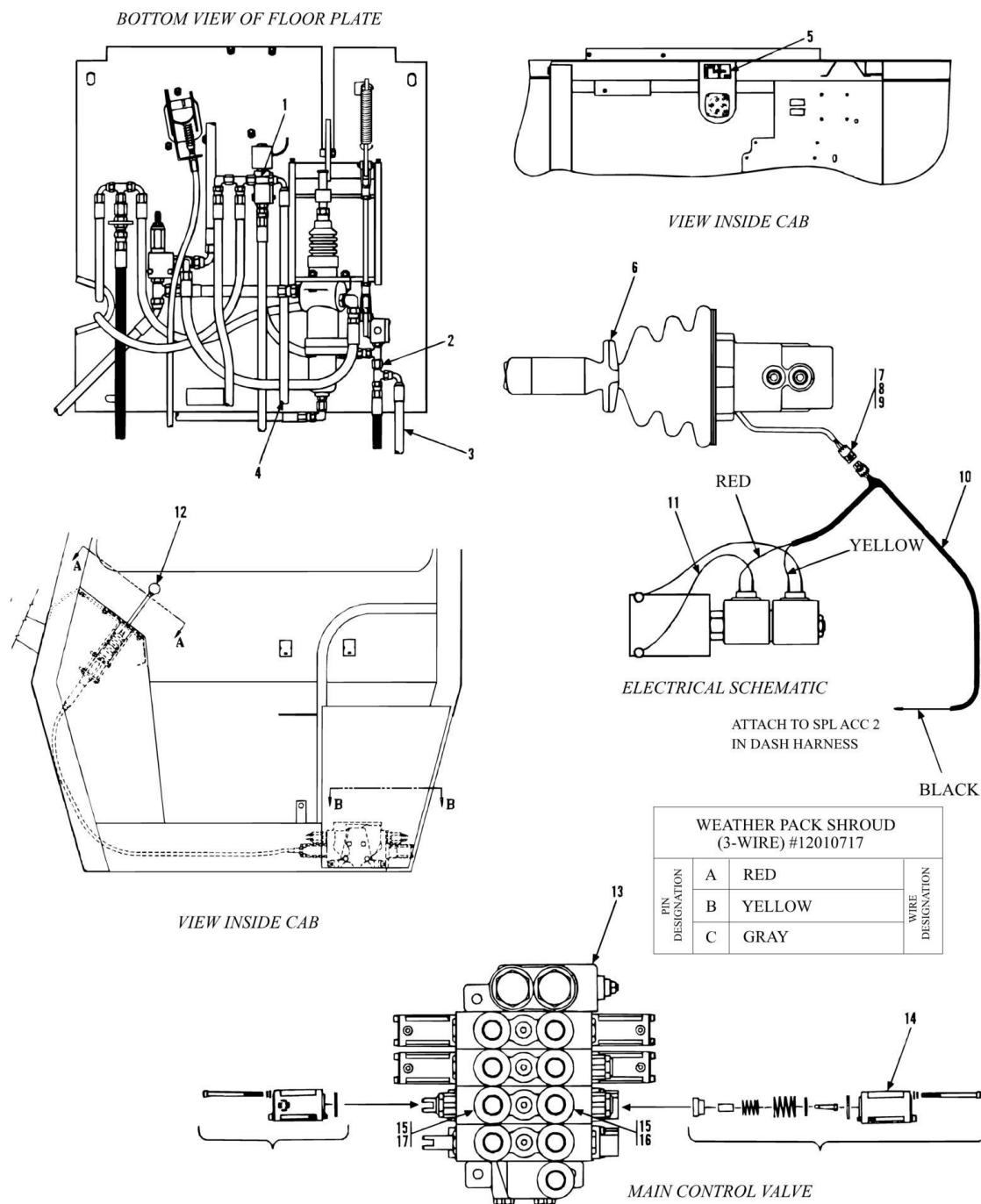
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145096	1	CAB ENCLOSURE (includes all items)	
1	91141332	1	FRONT WINDOW FRAME	
2	91086115	1	LEFT SIDE WINDOW FRAME	
3	91085057	1	CAB DOOR ASSY	
4	91083450	1	FRONT WINDOW	
5	91083434	1	LEFT SIDE WINDOW	
6	91303067	1	DOOR SLIDING WINDOW	
7	91143090	1	TOP WINDOW	
8	91083392	10 ft	RELEASE FILLER STRIP	
9	83661145	14 ft	WEATHERS STRIP	
10	91083348	10 ft	CHANNEL MOLDING	
11	91143220	78 in	TRIM-LOK	
12	90206023	1	WIPER MOTOR	
13	90027214	2	BUTTON GROMMET	
14	90027319	41	SELF TAPPING SCREW, 1/4-20X1	
15	91033464	1	WINDSHIELD WIPER ARM	
16	91033465	1	15IN WIPER BLADE	
17	91083376	1	EMERGENCY EXIT DECAL	
18	91143190	12.2 ft	GASKA-TAPE	
19	91083378	1	INSULATION PANEL	
20	91053559	3	PUSH ON INSULATION CAP	
21	88201001	5	HEX HD CAPSCREW, 1/4-20X1/2, GR5	
22	88561107	5	FLAT WASHER, 1/4	
23	90206169	1	HEATER HOSE	
24	91141459	1	HEATER HOSE	
25	86683193	4	HOSE CLAMP	
26	91081545	1	DOOR HOLDER	
27	77143016	9	WHIZ LOCK SCREW, #10-24X3/4	
28	77143017	9	WHIZ LOCK NUT, #10-24	
29	14403190	AR	VULKEM CAULK	
30	91081680	1	JUMPER WIRE	
31	91083155	1	TRUCK VALVE	
32	86683480	1	CRIMP-ON CONNECTOR	
33	91143108	2	FUSE HOLDER	
34	91143361	2	HEATER DECAL	
35	77383470	2	BOOT	
36	77383744	2	TOGGLE SWITCH	
37	77383540	1	COOLANT RESTRICTOR ORIFICE	
38	77363268	2	15-AMP FUSE	
39	86983188	1	RING TERMINAL	
40	83483078	1	CRIMP-ON CONNECTOR	
41	91123125	1	HEATER HARNESS	
42	80963058	1	SHROUD	
43	80963069	2	MALE PIN TERMINAL	
44	80963067	2	CABLE SEAL	
45	90029955	1	RUBBER GROMMET	
46	88201005	4	HEX HD CAPSCREW, 1/4-20X1, GR5	
47	91031521	2	HEATER MTG BRACKET	
48	77143006	4	WHIZ LOCK NUT	
49	88711383	1	REDUCING BUSHING, 1/2X3/8	

SECTION 12 - OPTIONAL EQUIPMENT

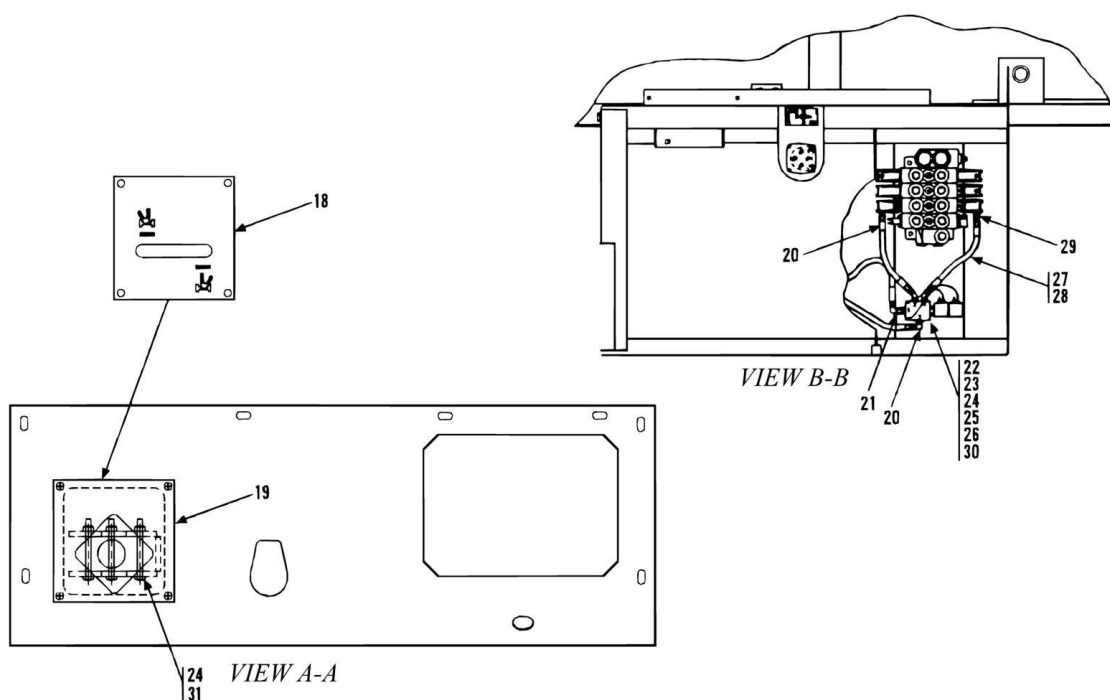
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	24641328	1	SHUT OFF VALVE	
51	90027319	2	SELF TAPPING SCREW, 1/4-20X1	
52	91081499	1	MOUNTING ANGLE	
53	90200680	1	FAN	
54	88211030	4	SOCKET HD CAPSCREW, #10-24X3/4, GR8	
55	77143017	4	WHIZ LOCK NUT, #10-24	
56	91043429	1	HEATER	
57	91141374	1	JUMPER WIRE	
58	77143004	4	WHIZ LOCK SCREW	
59	88712034	1	STREET ELBOW 45, 1/2	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-12. (91145116) TILT ON JOYSTICK (SN 0344001 to Present, SN 0266001 to Present)



SECTION 12 - OPTIONAL EQUIPMENT



*

NOTE: Customers who desire more "feel" in the control of the tilt cylinder function can restore the manual functioning by purchasing the following kits:

- (1) 91144265 Valve positioner kit
- (1) 91144264 Spool retainer kit
- (2) 91144263 Spool seal kit

See HYDRAULIC COMPONENTS SECTION for more details on these kits.

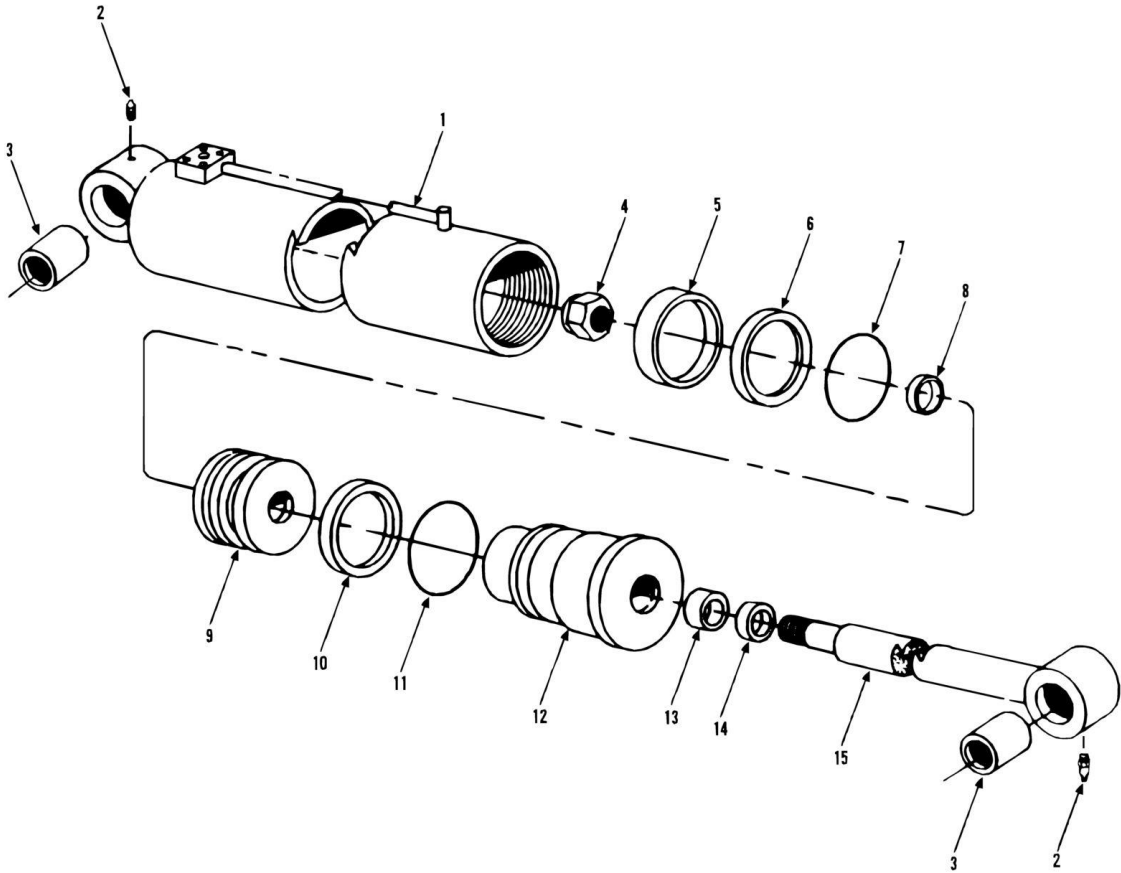
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-12. (91145116) TILT ON JOYSTICK (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145116	Ref	TILT ON JOYSTICK (includes all items except items 6 & 13)	
1	88662152	1	BRANCH TEE (includes o-ring)	
1	88591204	1	O-RING	
2	88662239	1	SWIVEL NUT RUN TEE, 5/8 TUBE	
3	84717893	1	HOSE ASSY	
4	84718221	1	HOSE ASSY	
5	91303041	1	BOOM CONTROL DECAL	
6		Ref	JOYSTICK ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
7	80963060	1	WEATHER PACK SHROUD	
8	80963069	3	W.P. MALE PIN TERMINAL	
9	91143187	3	W.P. CABLE SEAL	
10	91083490	1	JOYSTICK HARNESS	
11	90207719	2	JUMPER WIRE - GREEN	
12	91303019	1	REMOTE VALVE CONTROL	
13		Ref	MAIN CONTROL VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
14	91033483	1	HYDRAULIC VALVE POSITIONER KIT	
15	91033487	2	CHECK VALVE PLATE	
16	91143146	1	PORT RESTRICTOR (.109)	
17	91143147	1	PORT RESTRICTOR (.095)	
18	91123105	1	SWAY CONTROL PLATE	
19	91126040	1	L.H. SWAY BRACKET	
20	88662064	2	ELBOW, 90, (includes o-ring)	
20	88591204	2	O-RING	
21	91085071	1	MODIFIED CONNECTOR	
22	91303038	1	SOLENOID VALVE	
23	91141331	1	SPACER	
24	88201012	5	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	
25	88551009	2	LOCKWASHER, 1/4	
26	88501004	2	HEX NUT, 1/4-20	
27	84717537	2	HOSE ASSY	
28	88662084	2	ELBOW, 45, (includes o-ring)	
28	88591204	2	O-RING	
29	88662005	1	CONNECTOR (includes o-ring)	
29	88591204	1	O-RING	
30	88561107	2	FLAT WASHER, 1/4	
31	88521304	3	HEX LOCKNUT, 1/4-20	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-13. (91083286) SWAY CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



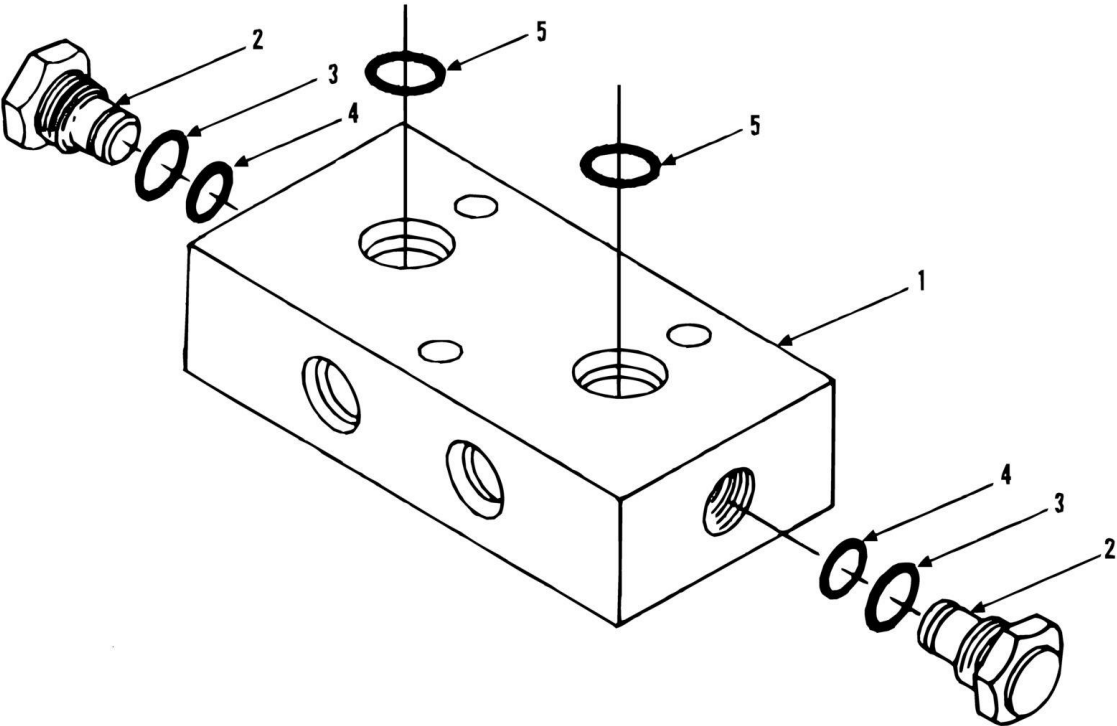
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-13. (91083286) SWAY CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91083286	1	SWAY CYLINDER ASSY (includes all items)	
	91084189	Ref	SEAL KIT (includes items 5, 6, 7, 8, 10, 11, 13 & 14)	
1	91084185	1	TUBE ASSY	
2	88671033	2	LUBE FITTING - STRAIGHT, 1/4-28	
3	91084176	2	BUSHING	
4	91084184	1	NUT	
5	91084219	1	WEAR RING	
6	91084220	1	SEAL	
7	91084221	1	O-RING	
8	91084222	1	O-RING	
9	91084186	1	PISTON	
10	91084223	1	BACK-UP RING	
11	91084224	1	O-RING	
12	91084188	1	GLAND	
13	91084225	1	SEAL	
14	91084226	1	WIPER	
15	91084187	1	ROD ASSY	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-14. (91083262) DUAL P.O. CHECK VALVE (SN 0344001 to Present, SN 0266001 to Present)



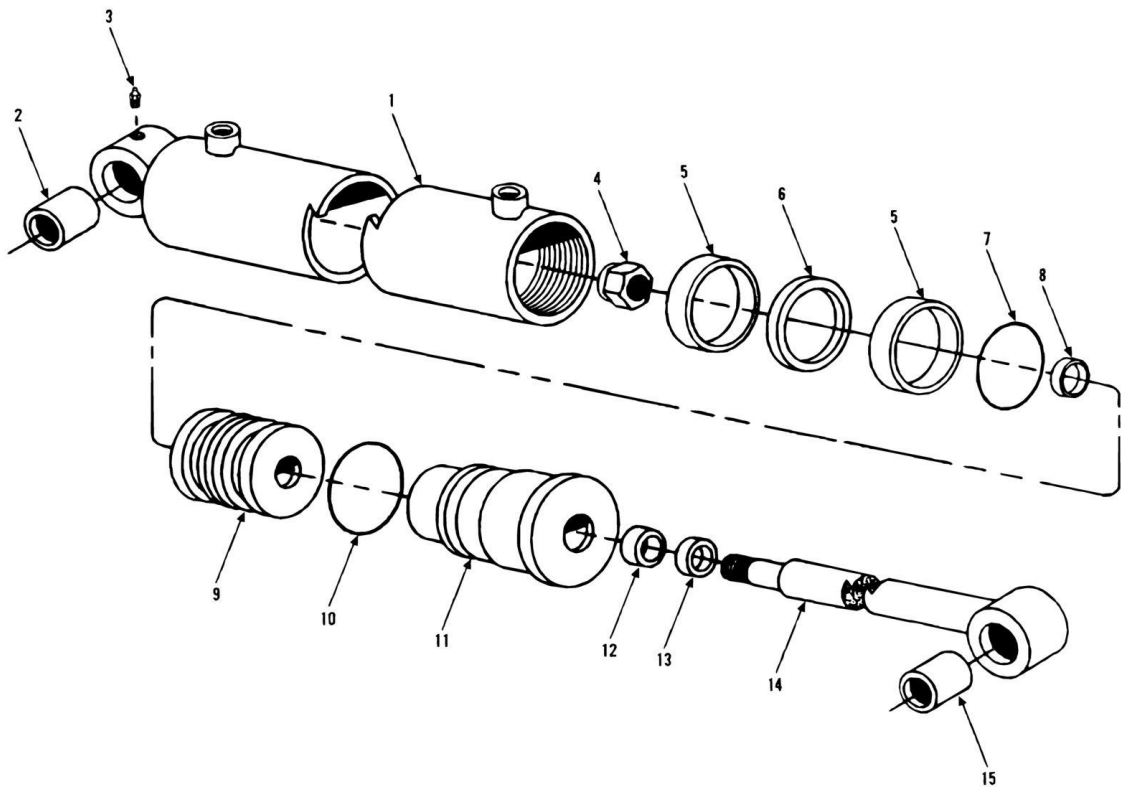
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-14. (91083262) DUAL P.O. CHECK VALVE (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91083262	1	DUAL P.O. CHECK VALVE ASSY (includes all items)	
	91044002	Ref	SEAL KIT (includes items 3 & 4)	
		Ref	BODY	
2	77133248	2	CHECK VALVE	
3	91084227	2	O-RING	
4	91084228	2	O-RING	
5	88591009	2	O-RING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-15. (91033366) SWING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)



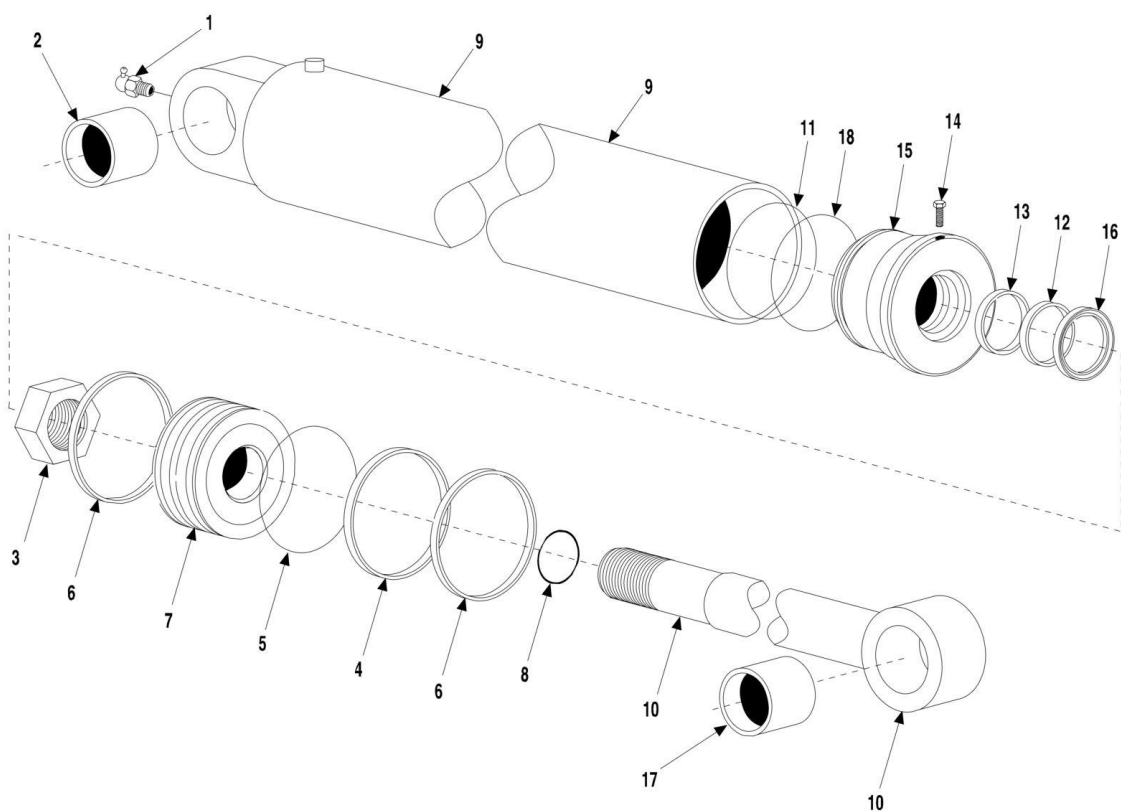
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-15. (91033366) SWING CYLINDER (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91033366	2	SWING CYLINDER ASSY (includes all items)	
	91034301	Ref	SEAL KIT (includes items 5, 6, 7, 8, 10, 12 & 13)	
1	91034302	1	TUBE ASSY	
2	91084194	1	BUSHING	
3	88671033	1	LUBE FITTING, STRAIGHT, 1/4-28	
4	91034303	1	LOCKNUT (torque to 235 ft lbs)	
5	91044463	2	WEAR RING	
6	91044464	1	SEAL	
7	91044465	1	O-RING	
8	91044466	1	O-RING	
9	91034304	1	PISTON	
10	91044467	1	O-RING	
11	91034305	1	GLAND	
12	91044468	1	SEAL	
13	91044469	1	WIPER	
14	91034306	1	ROD ASSY	
15	91044470	1	BUSHING	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-16. (90453034) SWING CYLINDER ASSEMBLY



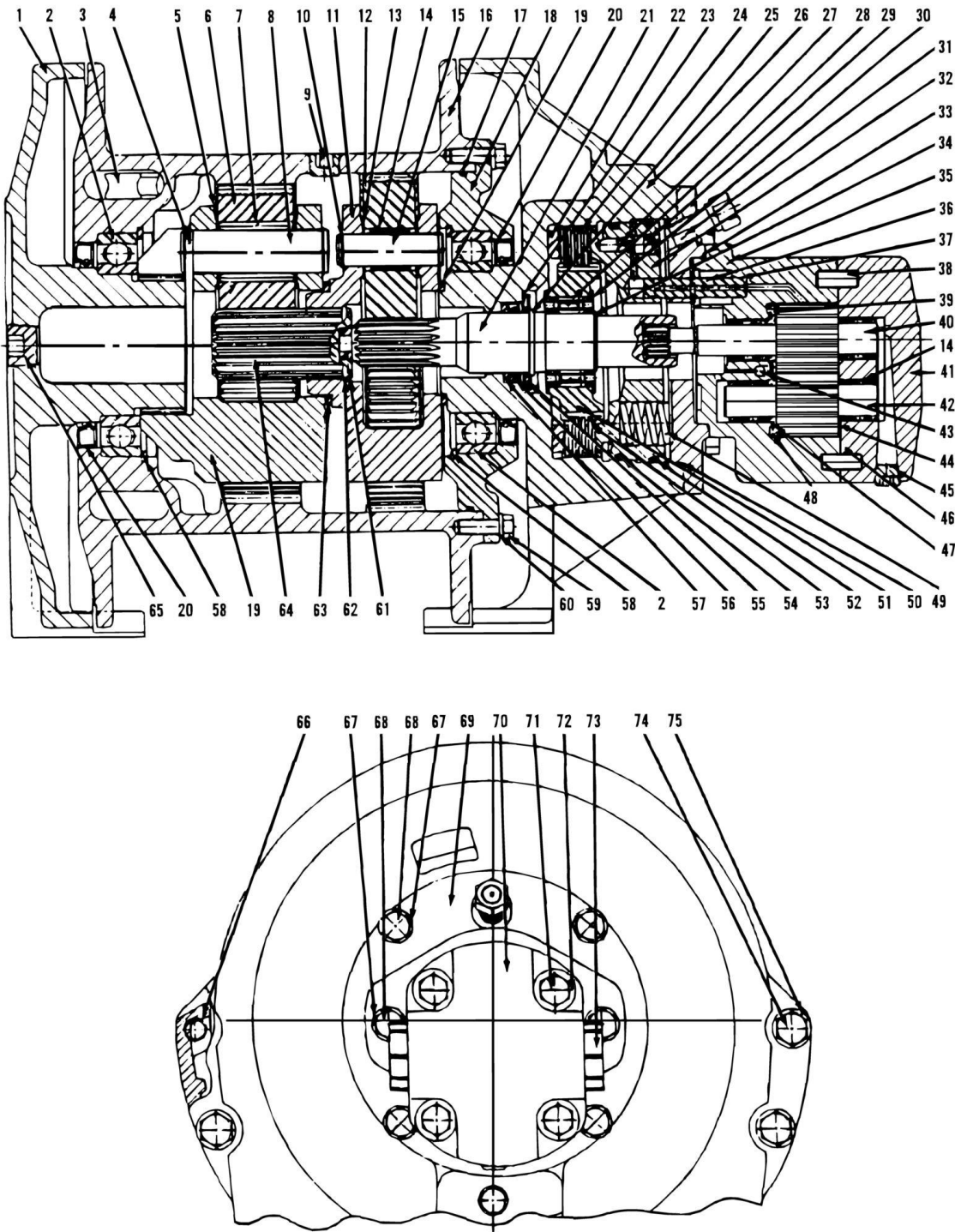
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-16. (90453034) SWING CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90453034	1	SWING CYLINDER, (includes all items)	
	91144006	1	SEAL KIT, (includes items 4 thru 6, 8, 11 thru 13, 16 & 18)	
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	91144039	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	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-17. (91033196) WINCH (SN 0344001 to Present, SN 0266001 to Present)



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-17. (91033196) WINCH (SN 0344001 to Present, SN 0266001 to Present)

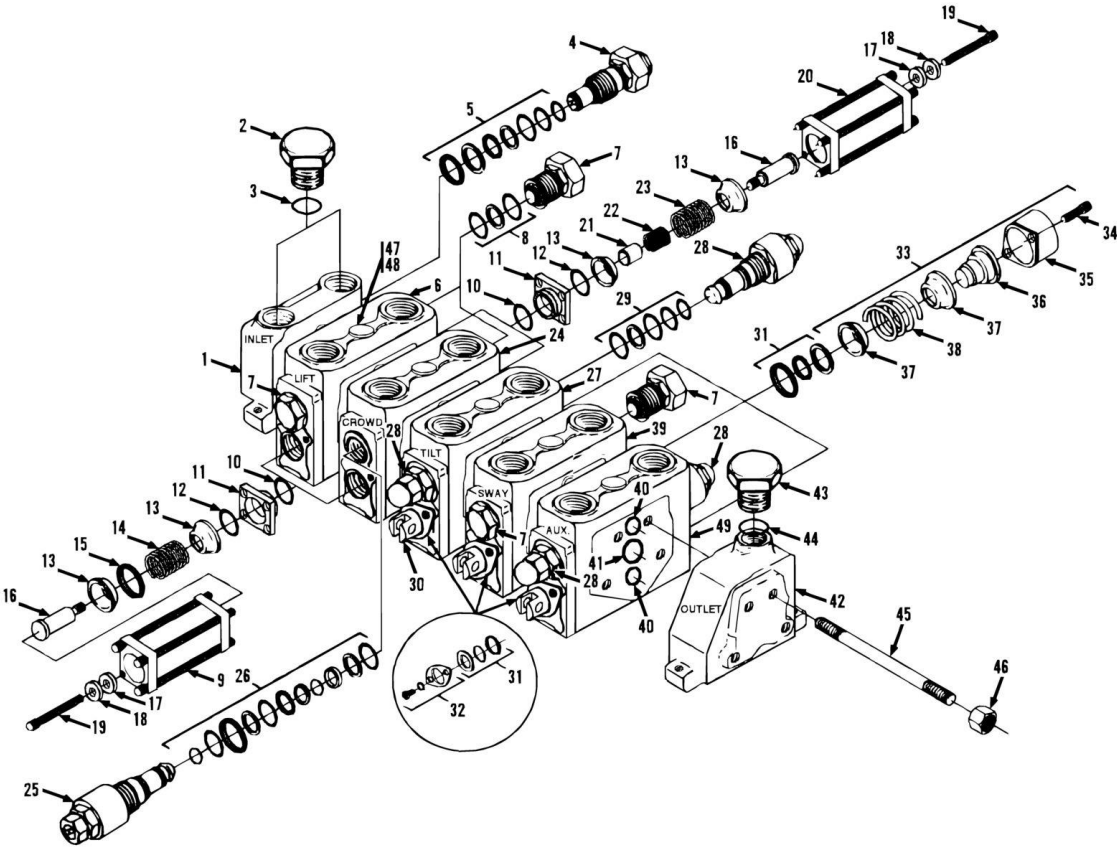
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91033196	1	WINCH ASSY (includes all items)	
	91034161	1	SEAL KIT (includes items 20, 33, 37, 46, 47, 48, 52 & 54)	
	91034162	1	HYDRAULIC MOTOR SEAL KIT (includes items 46, 47 & 48)	
	91034163	1	FINAL PLANET HUB ASSY (includes items 4, 5, 6, 7, 8 & 64)	
	91034164	1	PRIMARY PLANET 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 PLANET GEAR	
7	91034204	60	NEEDLE ROLLER	
8	91034176	3	FINAL PLANET PIN	
9		Ref	HEX SOCKET PIPE PLUG	
10	91034198	6	CIRCLIP	
11	91034180	1	PRIMARY PLANET HUB	
12	91034178	3	PRIMARY PLANET GEAR	
13	91034200	6	THRUST WASHER	
14	91034199	7	NEEDLE BEARING	
15	91034166	3	PRIMARY PLANET 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	

SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45		Ref	HEX SOCKET PIPE PLUG	
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	BACKUP 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 PLANET 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	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-18. (91143041) CONTROL VALVE W/AUX HYD (SN 0344001 to Present, SN 0266001 to Present)



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-18. (91143041) CONTROL VALVE W/AUX HYD (SN 0344001 to Present, SN 0266001 to Present)

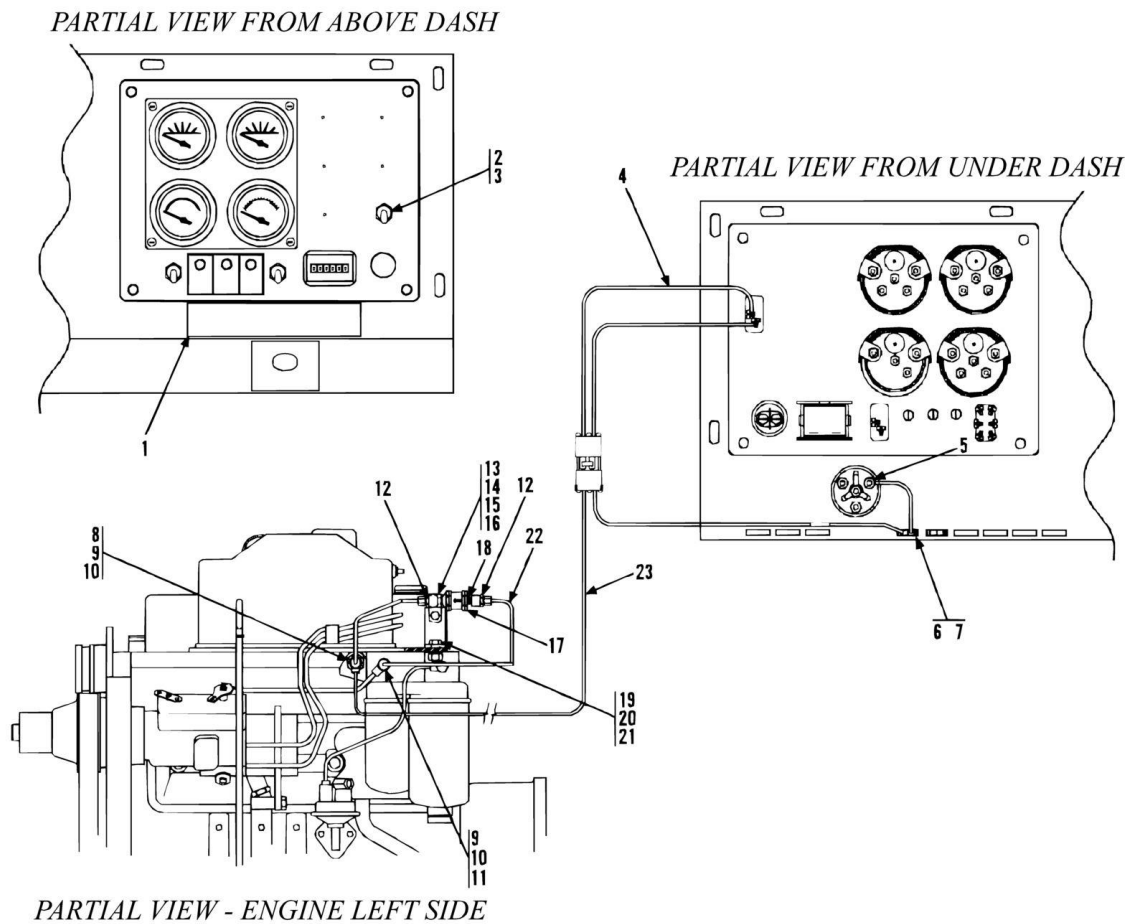
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91143041	1	CONTROL VALVE ASSY W/AUX HYDRAULICS (includes all items)	
	91034070	1	STUD KIT (includes four each of items 45 & 46)	
	91144193	1	SEAL KIT (includes twelve of item 40 and six of item 41)	
	91144254	AR	SECTION SEAL KIT (contains seals needed for servicing items 7, 30 & 47, also includes two of item 40 and one of item 41) (one kit needed per valve section)	
1	91144162	1	L.E. INLET COVER ASSY (includes items 2 thru 4)	
2	91144250	2	PLUG (includes item 3)	
3		Ref	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		Ref	O-RING	
11		Ref	SPACER	
12		Ref	O-RING	
13		Ref	STOP COLLAR	
14		Ref	SPRING	
15		Ref	SPACER	
16		Ref	POSITIONER	
17		Ref	BEARING PLATE	
18		Ref	LOCKWASHER	
19		Ref	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		Ref	STOP SLEEVE	
22		Ref	SPRING	
23		Ref	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 two of item 28, plus one of items 30, 32 & 33)	
28	91144252	4	RELIEF VALVE - 3250 PSI (includes item 29, torque to 18-22 ft lbs)	
29	91144262	2	SEAL KIT	
30		Ref	SPOOL (not sold separately, order valve section)	
31	91144263	6	SPOOL SEAL KIT (two kits needed per section as required) (lift and crowd sections do not require spool seals)	
32	91144264	3	SPOOL RETAINER KIT (torque to 54-60 ft lbs)	
33	91144265	3	POSITIONER KIT (includes items 34 thru 38)	
34	Kit	2	HEX HD CAPSCREW, 1/4-20x.875	
35	Kit	1	BONNET	
36	Kit	1	SPOOL COLLAR	
37	Kit	2	SPRING COLLAR	
38	Kit	1	SPRING	
39	91144167	1	SWAY SECTION (includes two of item 7, plus one of items 30, 32 & 33)	
40	Kit	12	O-RING	

SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	Kit	6	O-RING	
42	91144163	1	R.E. OUTLET COVER ASSY (includes item 43)	
43	91144251	1	PLUG (includes item 44)	
44		Ref	O-RING	
45	Kit	4	STUD (included in 91034070)	
46	Kit	4	NUT (torque to 23-27 ft lbs) (included in 91034070)	
47	91144266	5	LOAD CHECK PLUG (one per valve section, torque to 16-18 ft lbs)	
48		Ref	O-RING (included in section seal kit 91144254)	
49	91144194	1	AUXILIARY SECTION (includes two of item 28, plus one of items 30, 32 & 33)	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-19. (91155004) GLOW PLUG INSTALLATION (SN 0266001 to Present)



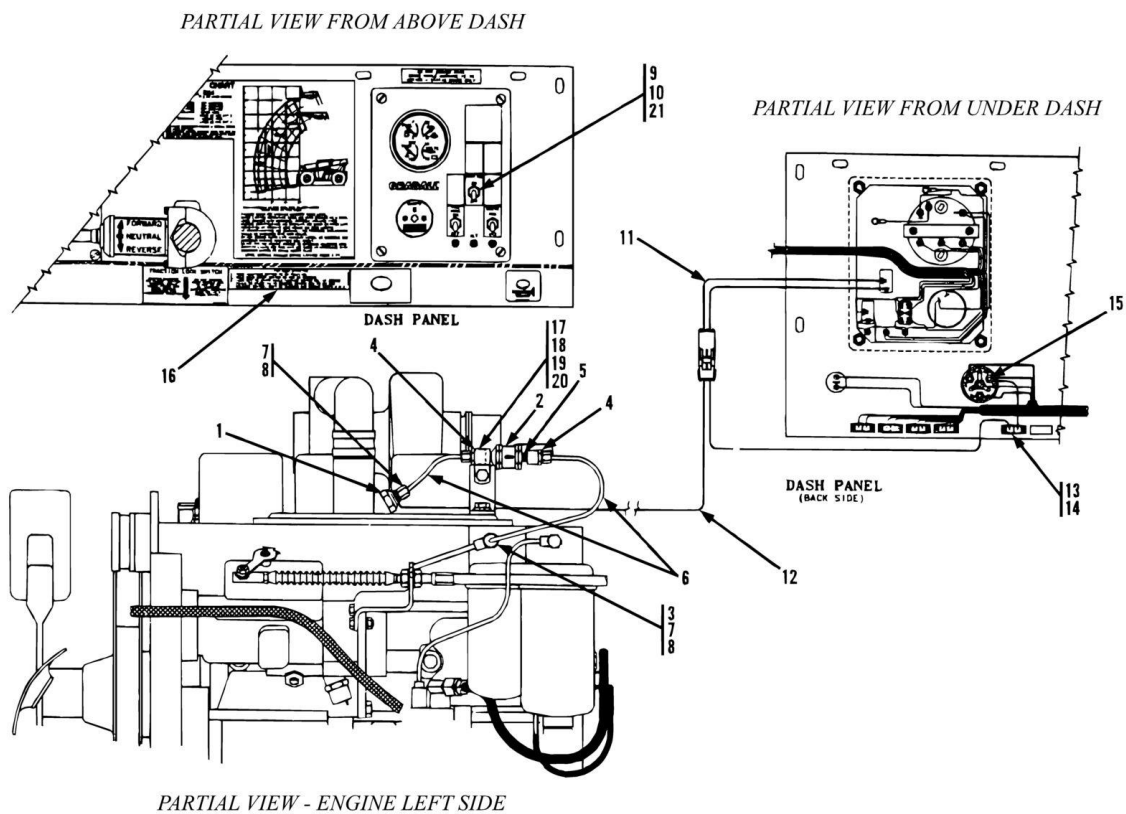
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-19. (91155004) GLOW PLUG INSTALLATION (SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91155004	1	GLOW PLUG INSTALLATION (includes all items)	
1	91143164	1	INSTRUCTION DECAL	
2	91143163	1	TOGGLE SWITCH	
3	77383470	1	BOOT	
4	91145034	1	WIRING HARNESS	
5	86983190	1	#10 EYELET	
6	91143108	1	FUSE HOLDER	
7	77363268	1	15 AMP FUSE	
8	91043415	1	THERMOSTART	
9	91083371	2	TUBE NUT	
10	91083375	2	OLIVE	
11	91083374	1	BANJO CONNECTOR	
12	91083380	2	BRASS ADAPTER (includes nut and sleeve)	
13	91151007	1	SUPPORT BRACKET	
14	24861170	1	CLIP	
15	88201016	1	HEX HD CAPSCREW, 5/16-18x1/2, GR5	
16	88551010	1	LOCKWASHER, 5/16	
17	86683330	1	FUEL CHECK VALVE	
18	88701002	1	CLOSE NIPPLE, 1/4	
19	88201050	1	HEX HD CAPSCREW, 7/16-14X1	
20	88501007	1	HEX NUT, 7/16-14	
21	88551012	1	LOCKWASHER, 7/16	
22	91081676	1	STEEL TUBE, 3/16IN O.D. (cut and bend as required.)	
23	91145035	1	WIRING HARNESS	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-20. (91125101) GLOW PLUG INSTALLATION (534C-9 SN 0444003 to Present; 534C-10 SN 0366107 to Present)



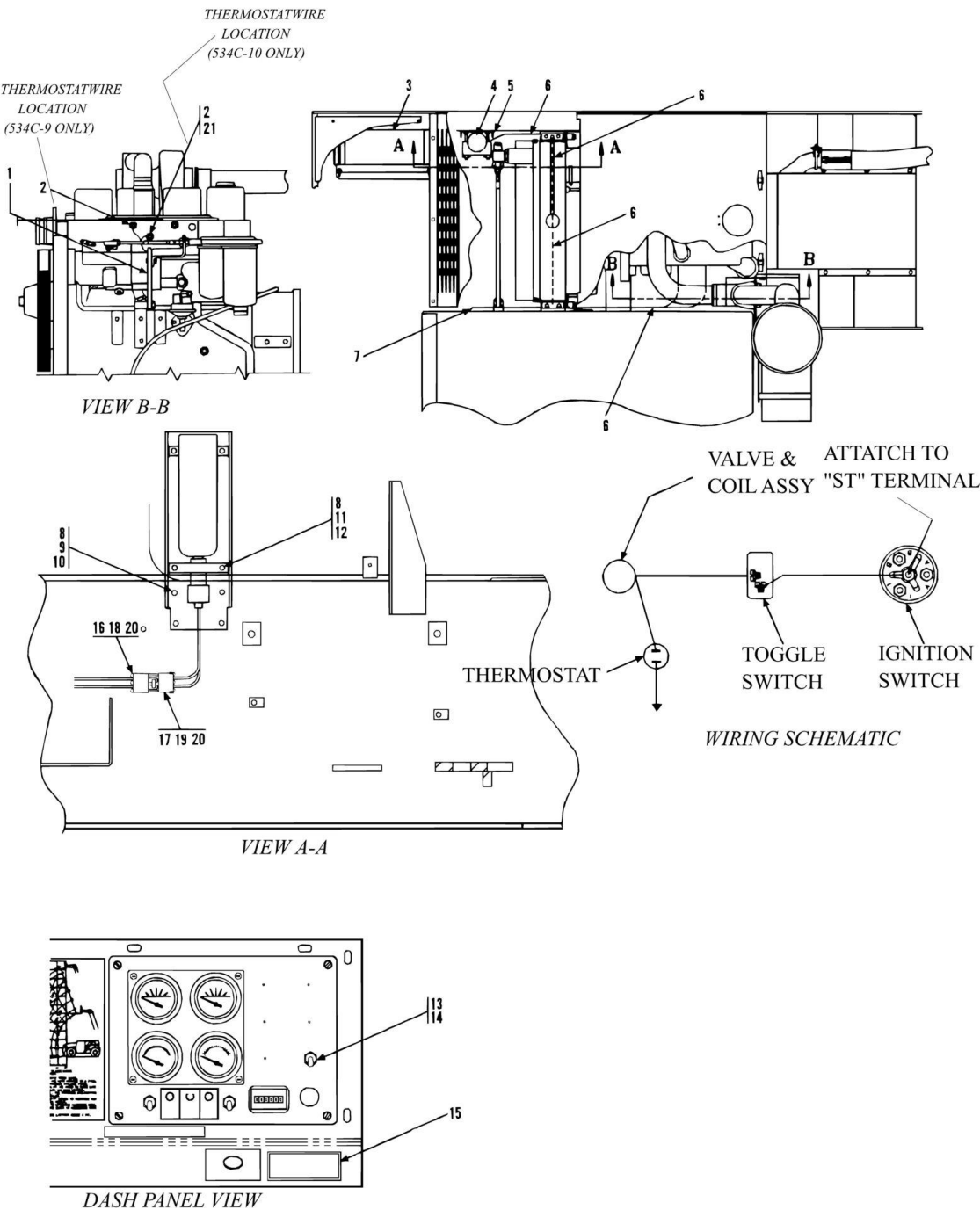
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-20. (91125101) GLOW PLUG INSTALLATION (534C-9 SN 0444003 to Present; 534C-10 SN 0366107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91125101	1	GLOW PLUG INSTALLATION (includes all items)	
1	91083372	1	THERMOSTART	
2	86683330	1	FUEL CHECK VALVE	
3	91083374	1	BANJO CONNECTOR	
4	91083380	2	BRASS ADAPTER	
5	88701002	1	CLOSE NIPPLE	
6	91081676	1	STEEL TUBE	
7	91083375	2	OLIVE	
8	91083371	2	TUBE NUT	
9	77383467	1	TOGGLE SWITCH	
10	77383470	1	BOOT	
11	91145034	1	WIRING HARNESS	
12	91145035	1	WIRING HARNESS	
13	91143108	1	FUSE HOLDER	
14	77363268	1	15A FUSE	
15	86983190	1	#10 EYELET	
16	91143164	1	INSTRUCTION DECAL	
17	91081582	1	SUPPORT BRACKET	
18	24861170	1	CLIP	
19	88201016	1	HEX HD CAPSCREW, 5/16-18x1/2, GR5	
20	88551010	1	LOCKWASHER, 5/16	
21	91123176	1	START AID DECAL	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-21. (91145057) ETHER START (91155005) ETHER START (SN 0344001 to Present, SN 0266001 to Present)



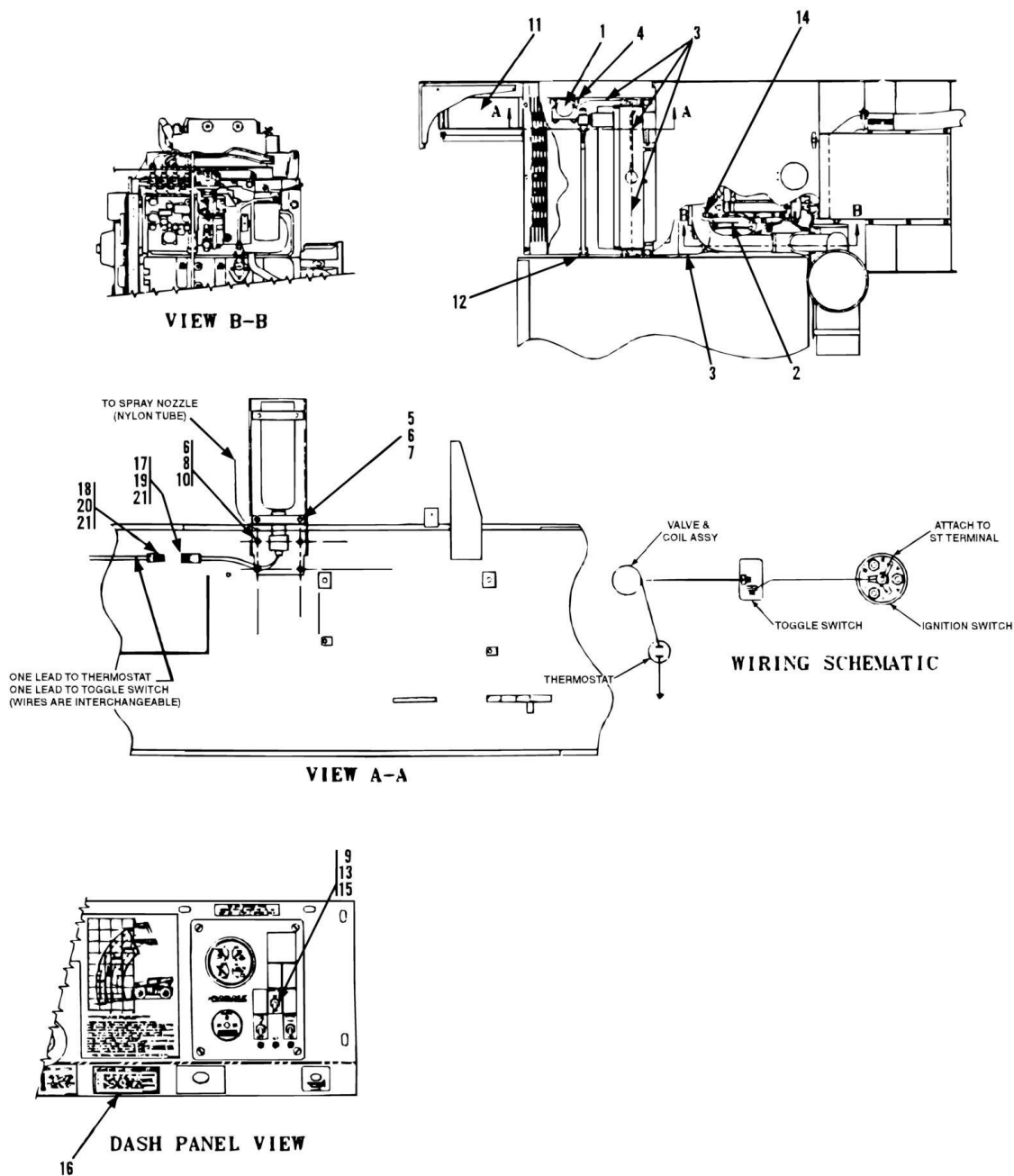
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-21. (91145057) ETHER START (91155005) ETHER START (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145057	Ref	ETHER START OPTION - 534C-9 (includes items 1 thru 20)	
	91155005	Ref	ETHER START OPTION - 534C-10 (includes items 1 thru 21)	
1	86983202	1	WIRE CONNECTOR	
2	86983195	2	WIRE CONNECTOR	
3		Ref	BATTERY (1050 AMP) (purchase locally)	
4	91083361	1	QUICK START KIT	
5	91081601	1	MOUNTING BRACKET	
6	90027187	4	TY-RAP	
7	77163117	1	RUBBER GROMMET	
8	88551009	6	LOCKWASHER, 1/4	
9	88201002	4	HEX HD CAPSCREW, 1/4-20X5/8	
10	88561107	4	WASHER, 1/4	
11	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
12	88501004	2	HEX NUT, 1/4-20	
13	91143163	1	TOGGLE SWITCH	
14	77383470	1	BOOT	
15	91143202	1	INSTRUCTION DECAL	
16	80963058	1	SHROUD CONNECTOR, 2-WAY	
17	80963057	1	TOWER	
18	80963069	2	MAIL PIN TERMINAL	
19	80963068	2	FEMALE PIN TERMINAL	
20	80963065	2	CABLE SEAL	
21	88711385	1	PIPE BUSHING, 1/2X1/8 (534C-10 only)	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-22. (91145097) ETHER (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



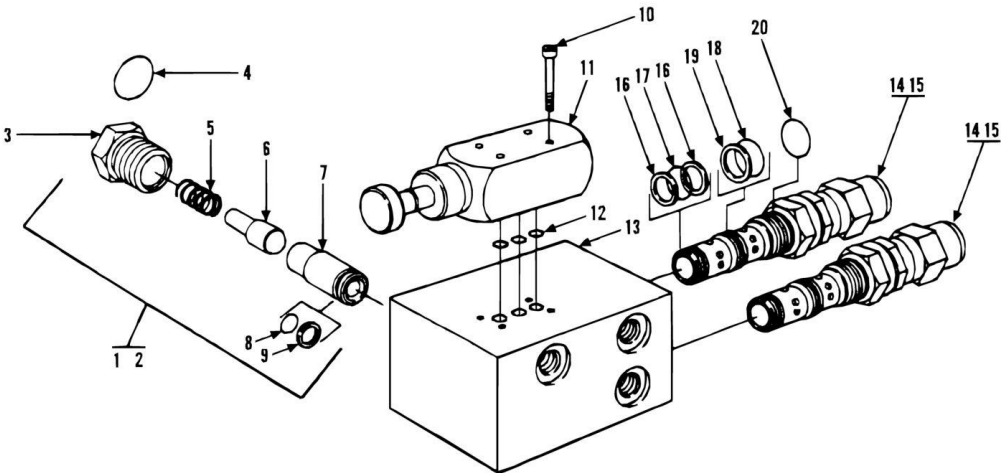
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-22. (91145097) ETHER (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145097	1	ETHER START OPTION (includes all items)	
1	91143362	1	QUICK START KIT	
2	86983202	1	WIRE CONNECTOR	
3	90027187	4	TY-RAP	
4	91081601	1	MOUNTING BRACKET	
5	88201005	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
6	88551009	6	LOCKWASHER, 1/4	
7	88501004	2	HEX NUT, 1/4-20	
8	88201002	4	HEX HD CAP SCREW, 1/4-20X5/8, GR5	
9	91123176	1	START AID DECAL	
10	88561107	4	FLAT WASHER, 1/4	
11	91083483	1	BATTERY (1000 amp)	
12	77163117	1	RUBBER GROMMET	
13	77383467	1	TOGGLE SWITCH-SPST	
14	83191038	1	HEX HD CAPSCREW, M10X1.50X20	
15	77383470	1	BOOT	
16	91143202	1	INSTRUCTION DECAL	
17	80963058	1	SHROUD CONNECTOR	
18	80963057	1	TOWER	
19	80963069	2	MALE PIN TERMINAL	
20	80963068	2	FEMALE PIN TERMINAL	
21	80963065	4	CABLE SEAL	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-23. (90553016) SWING VALVE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-23. (90553016) SWING VALVE ASSEMBLY (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	90553016	2	SWING VALVE ASSY (includes all items except seal kits)	
	91044303	1	SWING VALVE SEAL KIT (includes quantity of (1) Seal Kit, item 2, quantity of (3) O-Rings, item 12, quantity of (2) Seal Kits, item 15)	
1	91044284	1	CHECK VALVE ASSY (includes items 3 thru 9)	
2	91044002	AR	CHECK VALVE SEAL KIT (includes items 4, 8 & 9)	
3		Ref	RETAINER	
4	Kit	1	O-RING	
5		Ref	SPRING	
6		Ref	BALL AND SPRING GUIDE ASSY	
7		Ref	CAGE	
8	Kit	1	O-RING	
9	Kit	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		Ref	VALVE BODY	
14	91044301	2	COUNTERBALANCE VALVE ASSY (includes items 16 thru 20)	
15	91044302	AR	COUNTERBALANCE VALVE SEAL KIT (include items 16 thru 20)	
16	Kit	2	BACK-UP WASHER	
17	Kit	1	O-RING	
18	Kit	1	O-RING	
19	Kit	1	BACK-UP WASHER	
20	Kit	1	O-RING	
		Ref	NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	

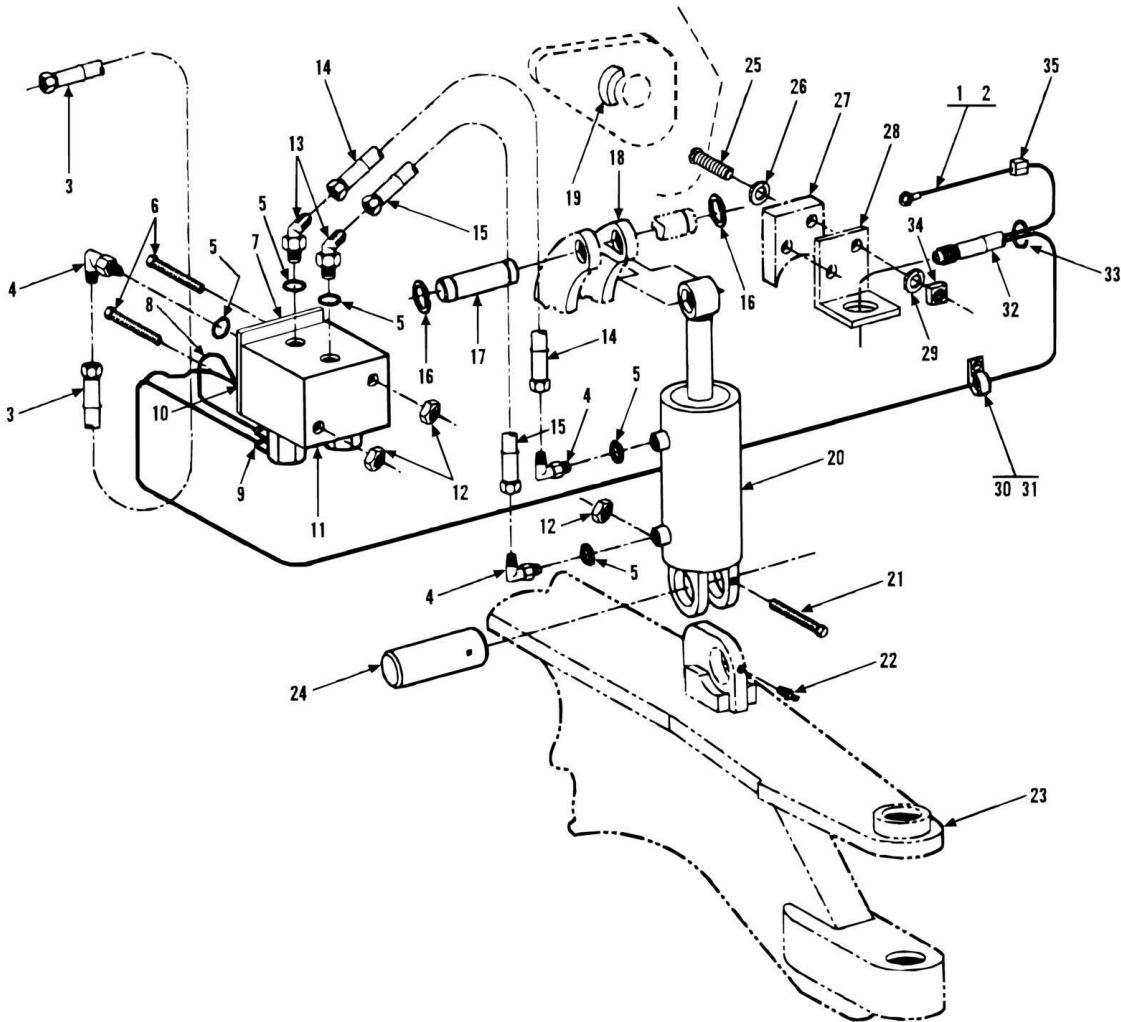
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-24. (91145059) WINCH DRAIN LINE INSTALLATION (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145059	1	WINCH DRAIN LINE (includes all items)	
	90027176	2	STRAIGHT BULKHEAD FITTING	
	88501008	1	HEX NUT, 1/2-13	
	84719575	1	HOSE ASSY	
	91166068	1	HOSE TAKE-UP WELDMENT	
	91123054	1	COMPRESSION SPRING	
	91121134	1	SPRING RETAINER	
	88501108	1	HEX JAM NUT, 1/2-13	
	91143145	1	ELBOW, 90, (swivel nut)	
	88661365	2	HEX CAP, 1/2 TUBE	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-25. (91145023) STABILIZER OPTION (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)



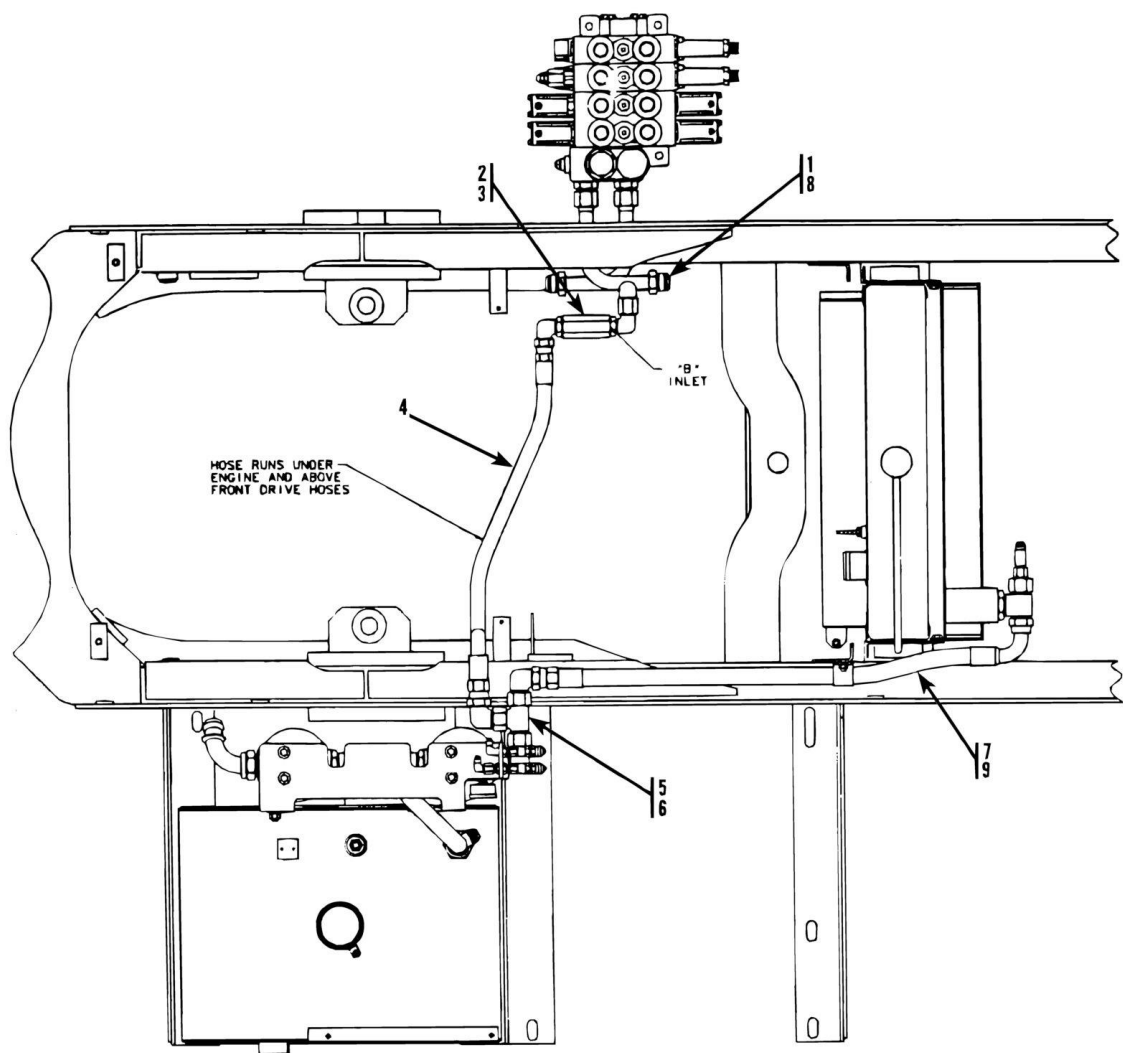
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-25. (91145023) STABILIZER OPTION (534C-9 SN 0344001 to Present; 534C-10 SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145023	Ref	STABILIZER OPTION (includes all items)	
1	91111002	1	JUMPER WIRE	
2	82033993	120 in	LOOM	
3	84718179	1	HOSE ASSY	
4	88662065	3	ELBOW, 90, (includes item 5)	
5	88591205	5	O-RING	
6	83201073	2	HEX HD CAPSCREW, 3/8-16X4-1/2, GR5	
7	91141235	1	BRACKET	
8	91121150	1	JUMPER WIRE	
9	86983195	1	FEMALE SPADE TERMINAL	
10	86883260	1	EYELET TERMINAL	
11		Ref	STABILIZER VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
12	88521206	3	HEX LOCKNUT, 3/8-16	
13	88662085	2	ELBOW, 45, (includes item 5)	
14	84717847	1	HOSE ASSY	
15	84717848	1	HOSE ASSY	
16	88581140	2	SNAP RING	
17	91041227	1	PIN	
18	91141172	2	STABILIZER BRACKET	
19	91141262	1	ACTUATOR	
20		Ref	STABILIZER CYLINDER (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	88201044	1	HEX HD CAPSCREW, 3/8-16X3-1/4, GR5	
22	88671008	1	LUBE FITTING, STRAIGHT, 1/4-28	
23	91146031	1	REAR AXLE WELDMENT	
24	91121017	1	PIN	
25	88301093	2	ROUND HD MACH SCREW, #10-24	
26	88561001	4	FLATWASHER, 3/16	
27	91141261	1	BRACKET	
28	91141260	1	SWITCH MOUNTING BRACKET	
29	88551007	2	LOCKWASHER, #10	
30	85941016	1	SUPPORT CLAMP	
31	77143015	1	WHIZ LOCK NUT, 3/8-16	
32	91143155	1	PROXIMITY SWITCH	
33	90027187	4	TY-RAP	
34	91043199	2	SQUARE NUT	
35	83483078	1	CRIMP TERMINAL	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-26. (91145066) INLINE BYPASS FOR SERVICE ONLY



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-26. (91145066) INLINE BYPASS FOR SERVICE ONLY

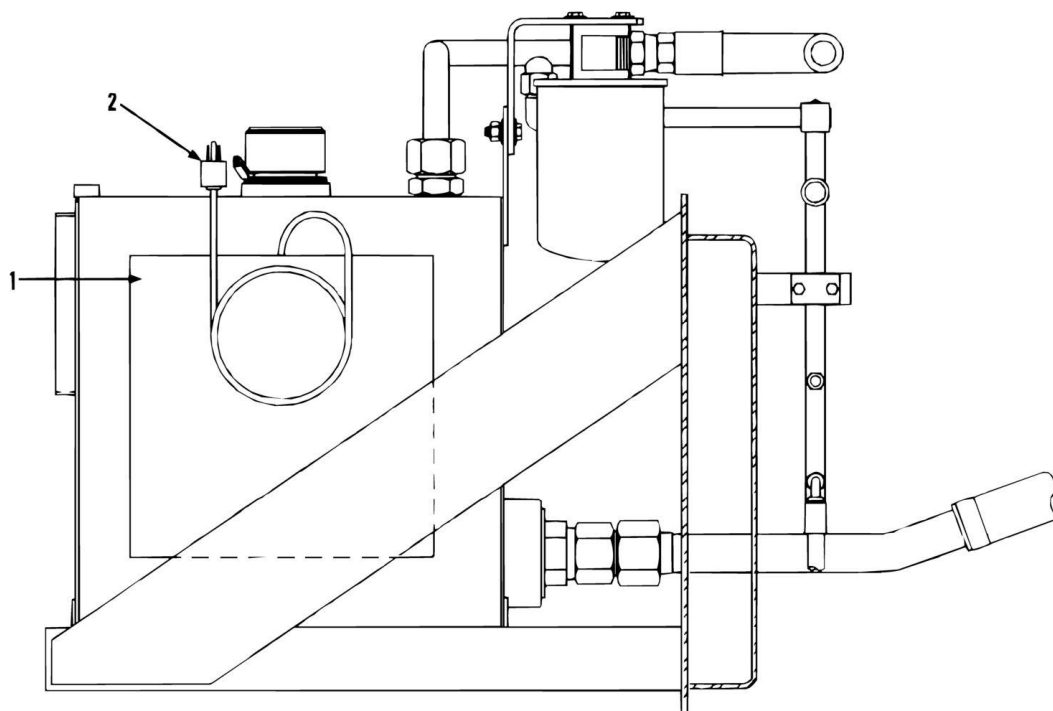
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145066	1	INLINE BYPASS (includes all items)	
1	91163190	1	TUBE ASSY	
2	91163191	1	INLINE VALVE	
3	88662067	2	ELBOW, 90, (includes o-ring)	
3	88591207	2	O-RING	
4	84718913	1	HOSE ASSY	
5	88662110	2	ELBOW, 90, (swivel nut)	
6	88662244	1	SWIVEL NUT RUN TEE, 1IN TUBE	
7	84718914	1	HOSE ASSY	
8	91143058	1	TUBE ASSY (remove from std assy)	
9	84718424	1	HOSE ASSY (remove from std assy)	

SECTION 12 - OPTIONAL EQUIPMENT

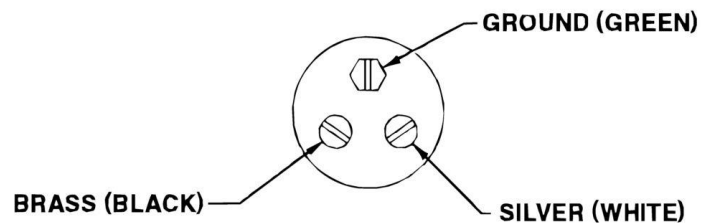
FIGURE 12-27. (91085073) HYDRAULIC RESERVOIR HEATER INSTALLATION



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.



SECTION VIEW THRU FRAME SHOWING INSIDE WALL OF HYDRAULIC TANK



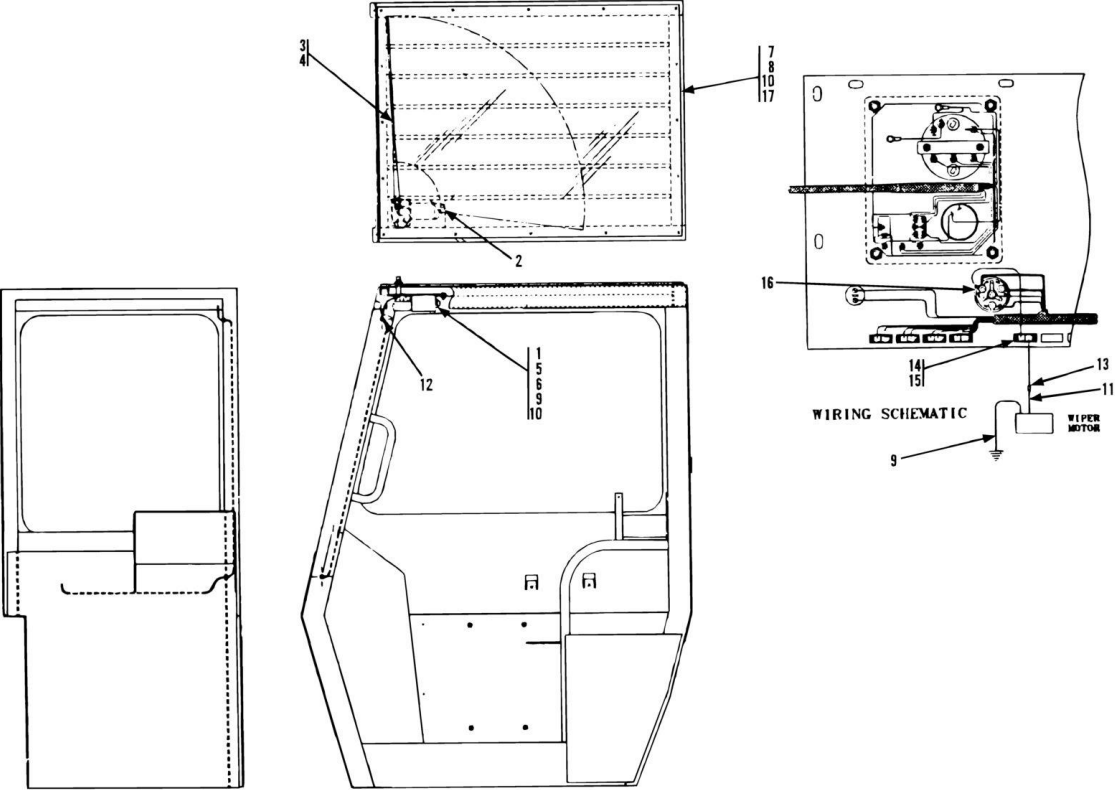
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-27. (91085073) HYDRAULIC RESERVOIR HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91085073	1	HYDRAULIC RESERVOIR HEATER (includes all items)	
1	91083429	1	HEATING BLANKET	
2	91083430	1	PLUG	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-28. (91145101) WIPER FOR TOP WINDOW (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)



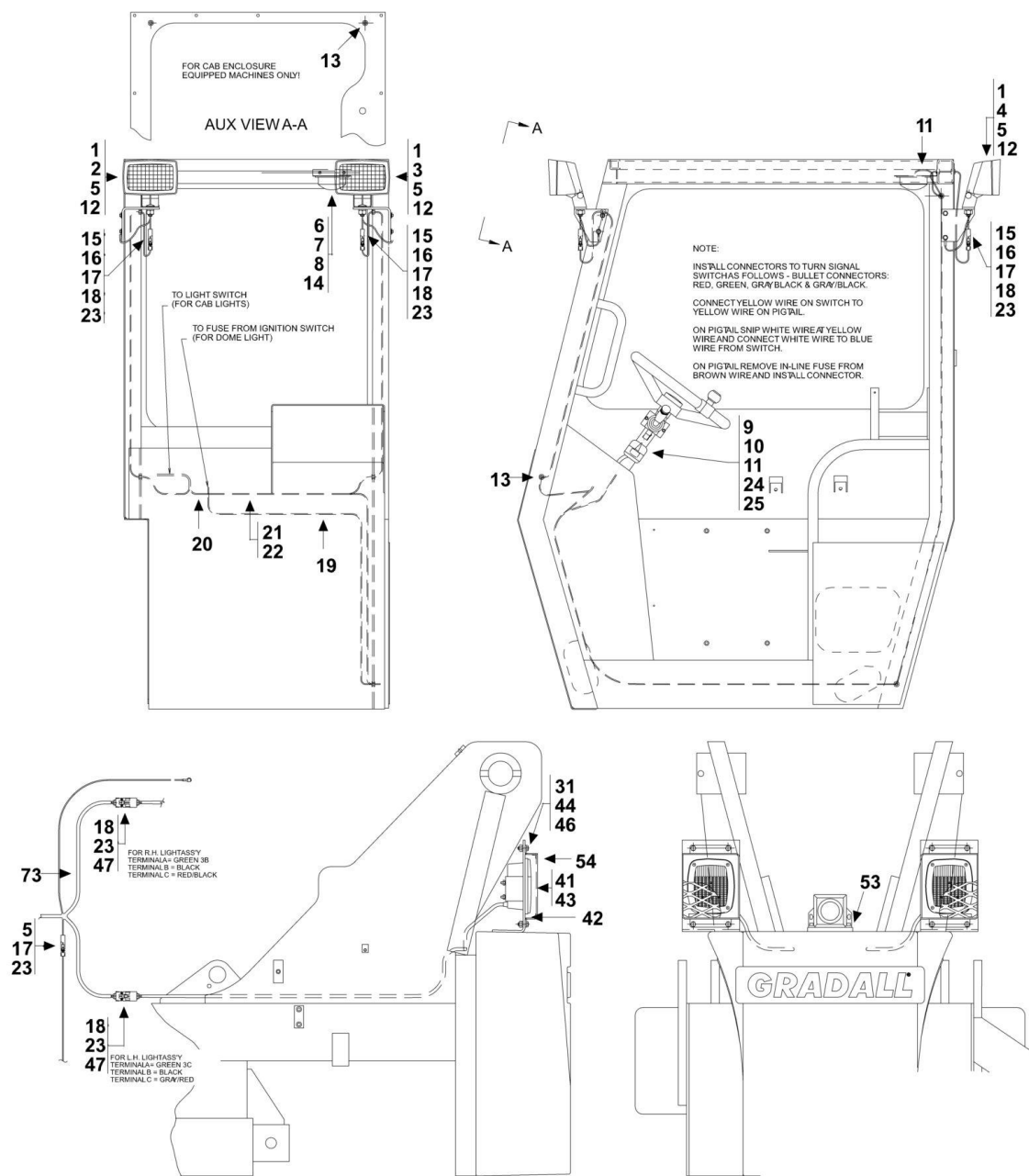
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-28. (91145101) WIPER FOR TOP WINDOW (534C-9 SN 0444003 to Present; 534C-10 SN 0266107 to Present)

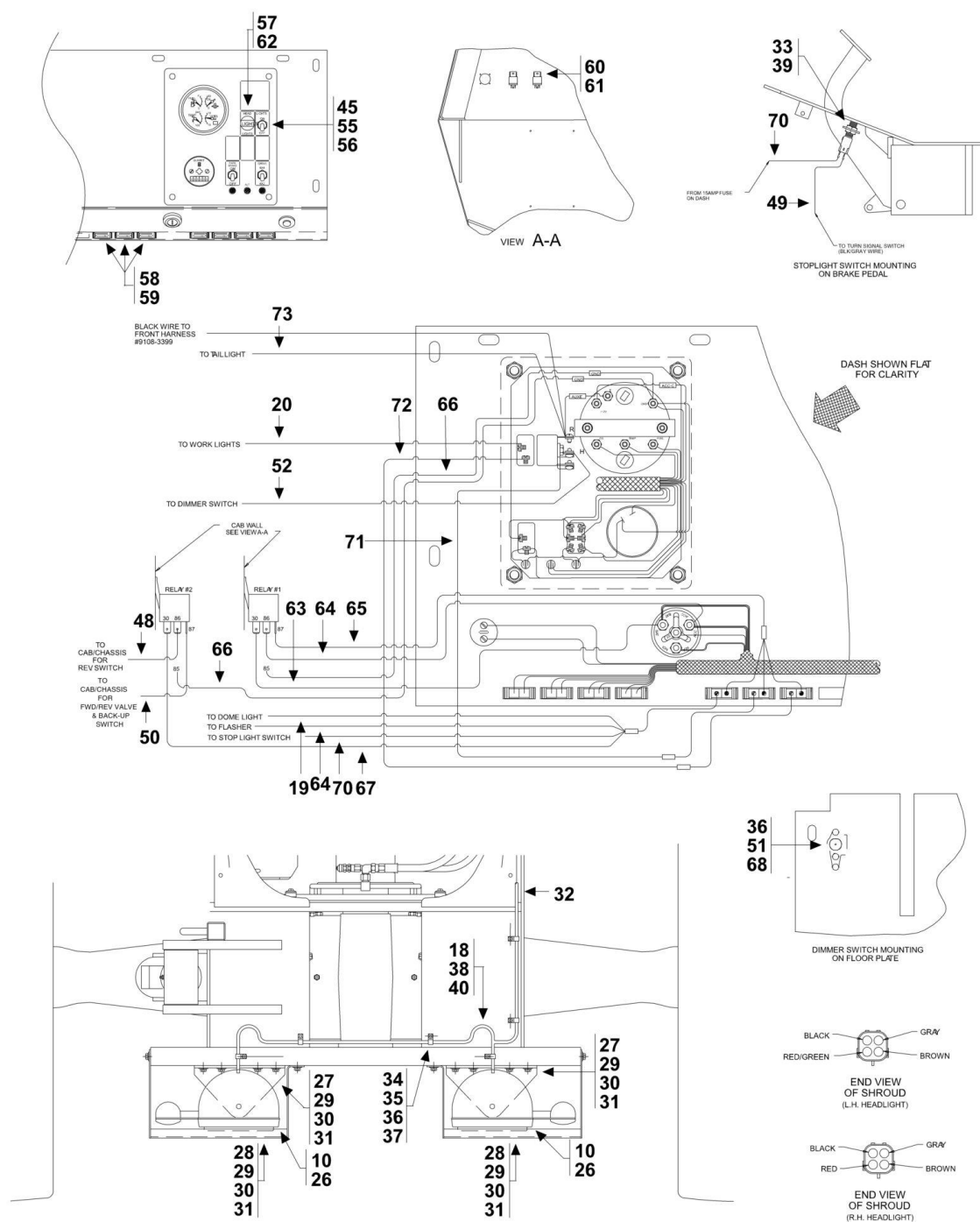
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145101	1	WIPER FOR TOP WINDOW (includes all items)	
1	91143196	1	WIPER MOTOR	
2	91141341	1	MOUNTING PLATE	
3	91033464	1	WIPER ARM	
4	91143197	1	WIPER BLADE	
5	88201003	1	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
6	88501004	1	HEX NUT, 1/4-20	
7	91143090	1	TOP WINDOW	
8	Bulk	12.2 in	GASKA TAPE	
9	91081599	1	JUMPER WIRE	
10	90027319	17	SELF TAPPING SCREW, 1/4-20X1	
11	91141342	1	JUMPER WIRE	
12	90027214	2	GROMMET	
13	86683480	1	BUTT CONNECTOR	
14	91143108	1	FUSE HOLDER	
15	77363268	1	15 AMP FUSE	
16	86983188	1	EYELET	
17	14403190	AR	VULKEM CAULK	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-29. (91145100) DELUXE LIGHT PACKAGE (SN 0444003 to Present)

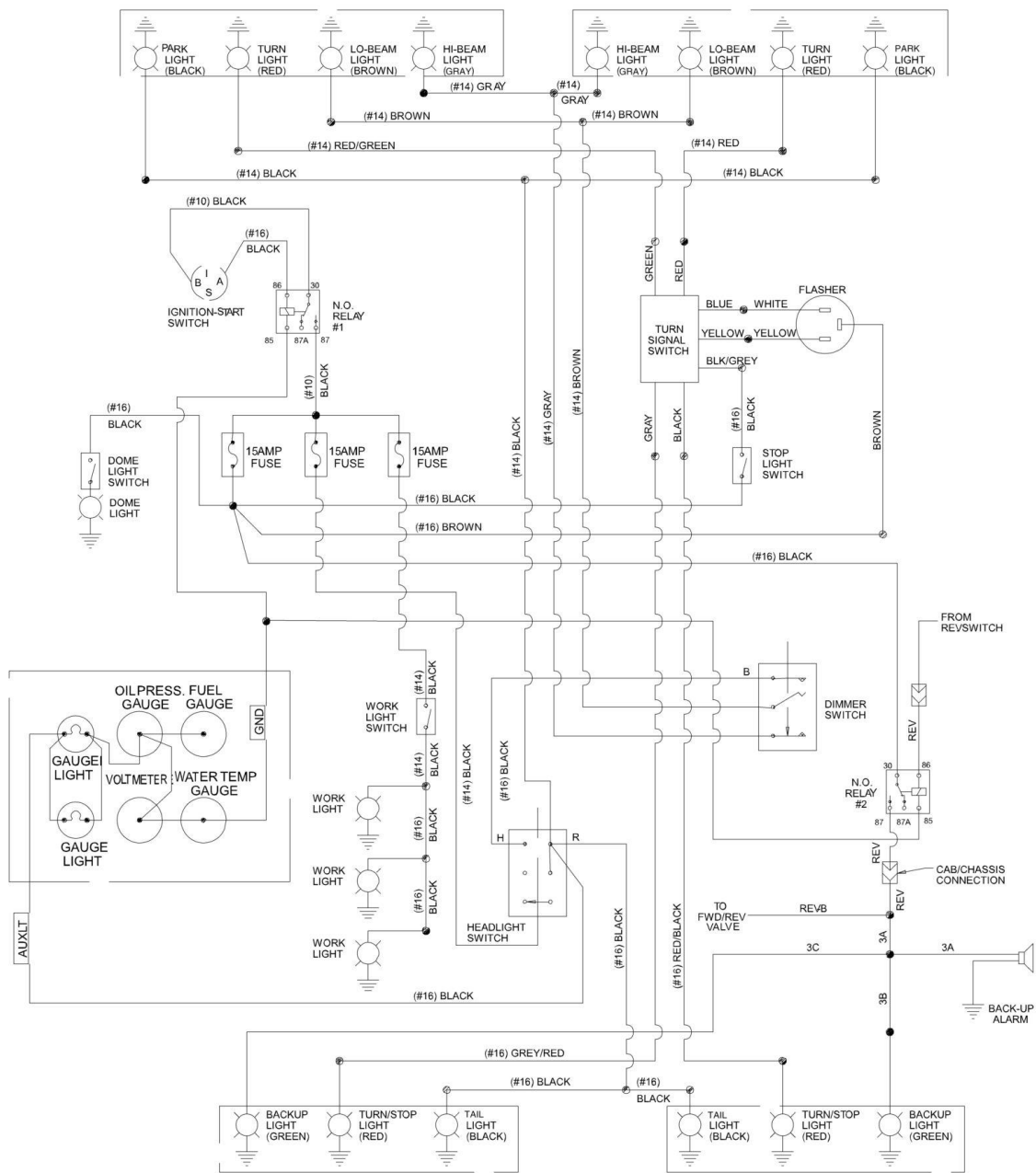


SECTION 12 - OPTIONAL EQUIPMENT



SECTION 12 - OPTIONAL EQUIPMENT

ELECTRICAL SCHEMATIC



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-29. (91145100) DELUXE LIGHT PACKAGE (SN 0444003 to Present)

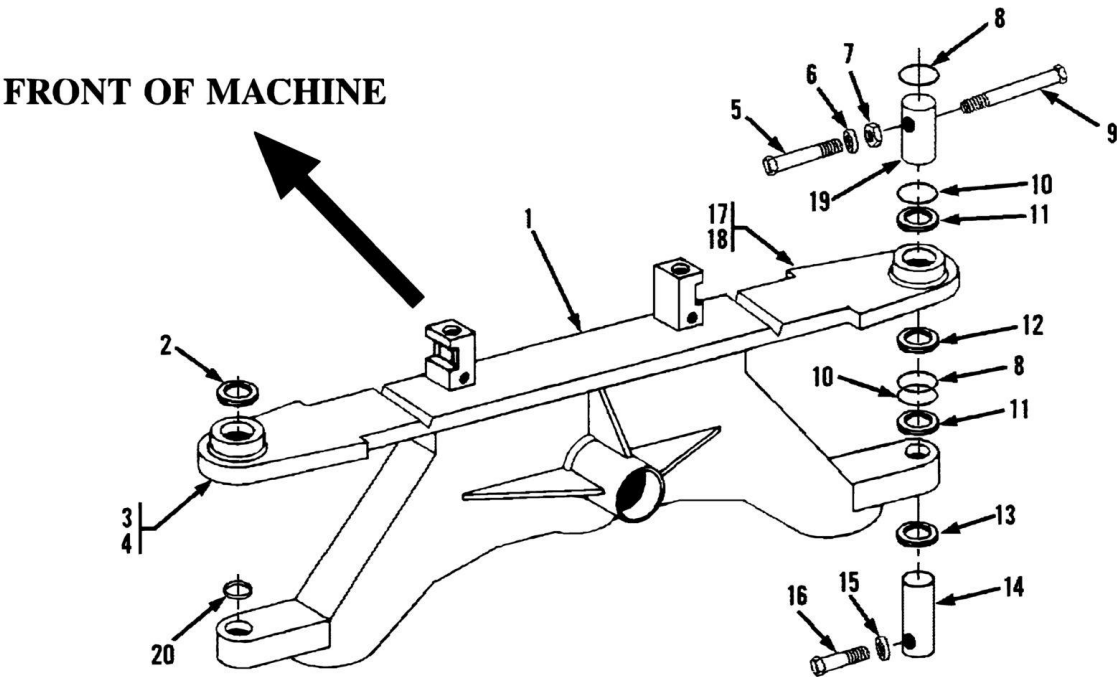
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145100	1	DELUXE LIGHT PACKAGE, (includes all items except item 53)	
1	80963050	3	UTILITY FLOOD LIGHT	
2	91141182	1	R.H. LIGHT SUPPORT	
3	91141183	1	L.H. LIGHT SUPPORT	
4	91141394	1	REAR LIGHT SUPPORT	
5	80963055	4	W. PARK CONNECTOR, (tower)	
6	24861167	1	INTERIOR LIGHT	
7	91011009	1	MOUNTING BRACKET	
8	88321022	2	SELF TAPPING SCREW, #8-32X3/8	
9	91013026	1	PIG TAIL CONNECTOR	
10	86983193	14	BULLET CONNECTOR	
11	86683480	4	BUTT CONNECTOR	
12	90027319	6	DRILL AND TAP SCREW, 1/4-20X1	
13	90027214	11	RUBBER GROMMET	
14	90029955	1	RUBBER GROMMET	
15	86883260	3	EYELET	
16	80963056	3	W. PACK CONNECTOR, (shroud)	
17	80963068	4	W. PACK CONNECTOR, (female pin)	
18	80963069	17	W. PACK CONNECTOR, (male pin)	
19	91121151	1	JUMPER WIRE	
20	91143226	1	LIGHT HARNESS	
21	91053419	7	TIE WRAP	
22	86683122	6	TIE WRAP	
23	80963066	13	W. PACK CONNECTOR, (cable seal)	
24	90200999	1	TURN SIGNAL SWITCH	
25	80983168	1	FLASHER SWITCH	
26	91083398	1	HEAD/TURN/PARK/LAMP/KIT	
27	91141385	2	FRONT LAMP BRACKET	
28	91146061	2	HEADLIGHT GUARD	
29	88201034	16	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
30	88561004	16	FLAT WASHER, 3/8	
31	88551011	24	LOCKWASHER, 3/8	
32	91083399	1	FRONT WIRING HARNESS	
33	91143117	1	STOP LIGHT SWITCH	
34	83661336	6	WELD STUD, 1/4-20X5/8	
35	86621230	6	SUPPORT CLAMP	
36	88551009	9	LOCKWASHER, 1/4	
37	88501004	6	HEX NUT, 1/4-20	
38	80963062	2	W. PACK CONNECTOR, (shroud)	
39	91141197	1	MOUNTING TAB	
40	80963067	8	W. PACK CONNECTOR, (cable seal)	
41	91365045	2	TAIL LIGHT ASSEMBLY, (includes the following seven items)	
41	91123065	1	TAIL LIGHT	
41	86661147	38 in	WIRE, 16 GAUGE, (black)	
41	86661149	38 in	WIRE, 16 GAUGE, (green)	
41	86661152	38 in	WIRE, 16 GAUGE, (red)	
41	86683480	3	BUTT CONNECTOR	
41	82033996	45 in	WIRE LOOM	
41	86683122	2	TIE WRAP	
42	91141390	2	REAR LIGHT BRACKET	

SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	91121146	2	TAIL LIGHT BRACKET	
44	88201035	8	HEX HD CAPSCREW, 3/8-16X1, GR5	
45	91363009	1	LIGHTS ON/OFF DECAL	
46	88501006	8	HEX NUT, 3/8-16	
47	80963060	2	W. PACK CONNECTOR, (shroud)	
48	91121193	1	JUMPER WIRE	
49	91141257	1	JUMPER WIRE	
50	91081665	1	JUMPER WIRE	
51	88201002	3	HEX HD CAPSCREW, 1/4-20X5/8, GR5	
52	91081614	1	JUMPER WIRE	
53	90207220	1	MOUNTING BAR	
54	91146062	2	TAIL LIGHT GUARD	
55	77383467	1	LIGHT SWITCH	
56	77383470	1	BOOT	
57	86683127	1	HEAD LAMP SWITCH	
58	91143108	3	FUSE HOLDER	
59	77363268	3	FUSE, 15 AMP	
60	77383410	2	RELAY	
61	88321039	2	SELF TAPPING SCREW, #10-32X1/2	
62	91143363	1	HEAD LIGHT DECAL	
63	91121186	1	JUMPER WIRE	
64	91121187	1	JUMPER WIRE	
65	91081686	1	JUMPER WIRE	
66	91141265	2	JUMPER WIRE	
67	91081687	1	JUMPER WIRE	
68	86683136	1	DIMMER SWITCH	
69	91081688	1	JUMPER WIRE	
70	91141256	1	JUMPER WIRE	
71	91081689	1	JUMPER WIRE	
72	91121216	1	JUMPER WIRE	
73	91083400	1	REAR WIRING HARNESS	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-30. (91145136) REAR AXLE REWORK KIT FOR SERVICE ONLY



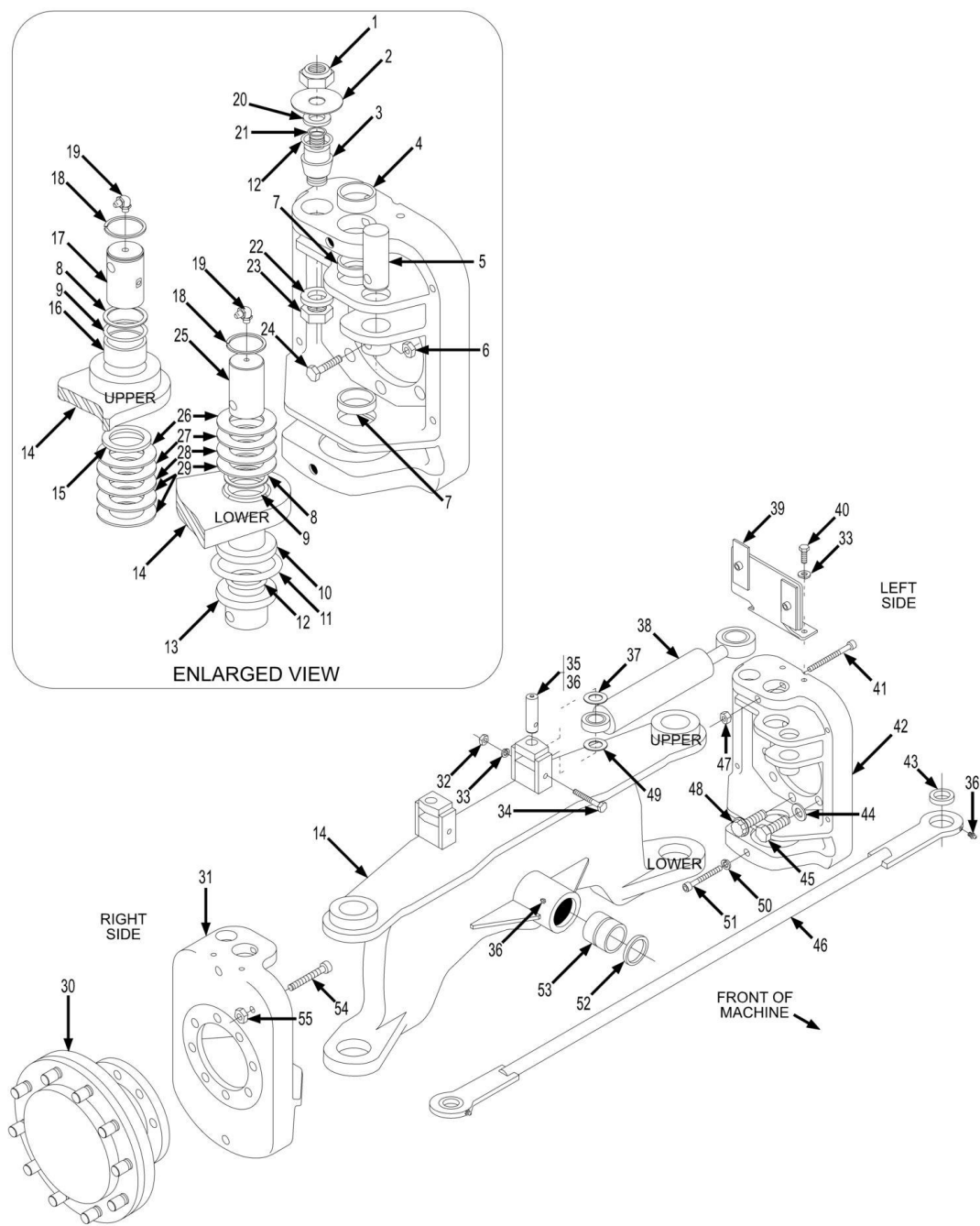
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-30. (91145136) REAR AXLE REWORK KIT FOR SERVICE ONLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145136	1	REAR AXLE REWORK KIT (includes all items)	
1	Kit	1	REAR AXLE WELDMENT	
2	91123028	2	BUSHING	
3	91145134	1	LUG REWORK ASSY (includes items 2 & 4)	
4	91146111	1	LUG WELD	
5	88211117	2	SOCKET HEAD CAPSCREW, 1/2-13x4-1/2, GR8	
6	88551109	2	LOCKWASHER, 1/2	
7	88521208	2	HEX LOCKNUT, 1/2	
8	88581323	4	RETAINING RING	
9	88211121	2	SOCKET HEAD CAPSCREW, 1/2-13x6-1/2, GR8	
10	91123030	4	BACK-UP RING	
11	88591032	2	O-RING	
12	86921268	2	LIP SEAL	
13	91123029	2	O-RING	
14	91141424	2	LOWER KING PIN	
15	88551153	2	LOCKWASHER, 5/8	
16	88212321	2	SOCKET HEAD CAPSCREW, 5/8-11X3-3/4, GR8	
17	91145135	1	LUG REWORK ASSY (includes items 2 & 18)	
18	91146112	1	LUG WELD	
19	91081693	2	UPPER KING PIN	
20	91123027	2	BUSHING	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-31. (91145042) REAR AXLE ADVANTAGE KIT FOR SERVICE ONLY



NOTE #1: Customer to use existing wheel hubs & hardware, drive motors, drive motor tube assemblies, and drain line hoses or order separately if replacement is required.

NOTE #2: Cylinder base end must be free to rotate. Shim steer cylinder base end as required to maintain a total max. gap of 1/16in.

NOTE #3: Shim bottom knuckles as required to maintain no more than 1/32in movement. Shimtop knuckles as required to maintain no more than 1/16in gap. Must have a minimum of one shim.

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-31. (91145042) REAR AXLE ADVANTAGE KIT FOR SERVICE ONLY

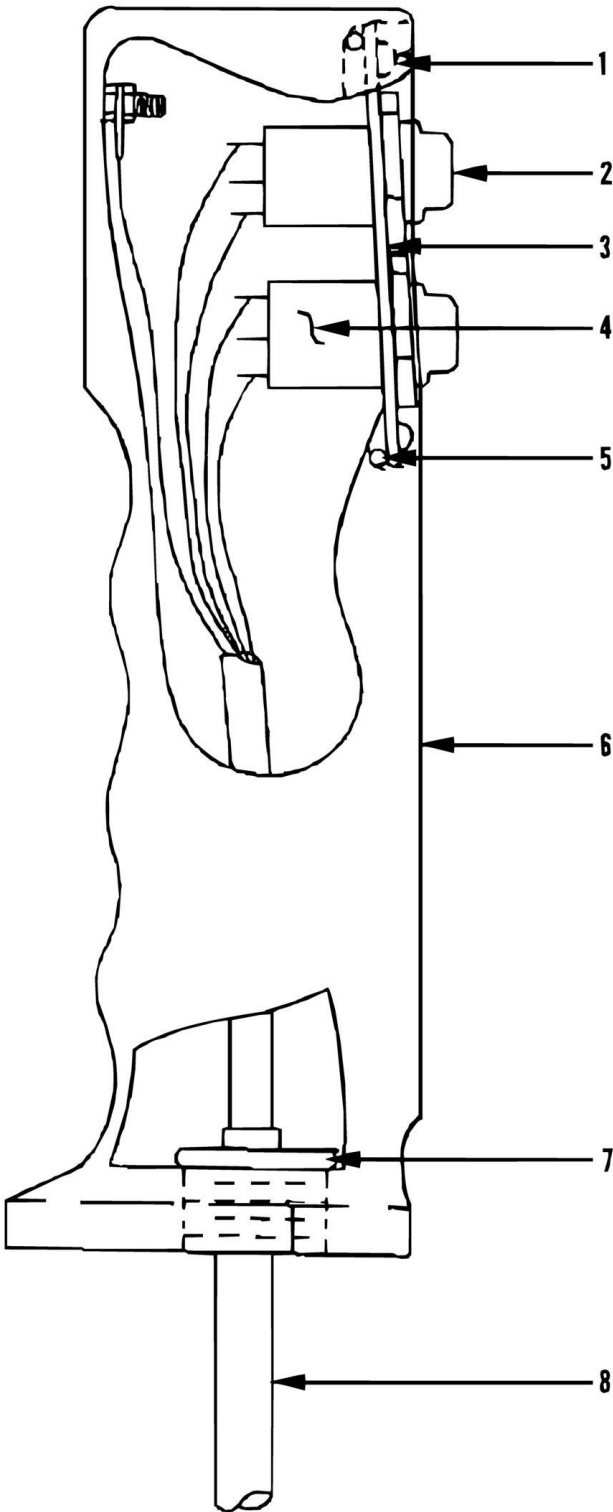
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91145042	Ref	REAR AXLE ADVANTAGE KIT (includes all items except 30, 44, 45 & 48)	
1	88521312	2	HEX LOCKNUT, 3/4-10 (torque to 160-175 ft lbs)	
2	91081415	2	DIRT SHIELD	
3	91041481	2	STEERING CYLINDER PIN (knuckle end)	
4	91121239	2	BUSHING	
5	91041439	2	TIE ROD PIN	
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, 30, 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 CHASSIS AND ATTACHING PARTS SECTION AND DRIVE TRAIN SECTION for Breakdown)	
31	91120004	1	R.H. 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	LUBE FITTING, STRAIGHT, 1/8	
37	91041598	AR	SHIM (.060 thick, see note #2)	
38	Kit	2	STEERING CYLINDER ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
39	91166056	1	L.H.TUBE SUPPORT	
39	91166055	1	R.H.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	L.H. STEERING KNUCKLE	
43	91043247	2	SELF-ALIGNING BUSHING	
44		Ref	HARDENED WASHER, 3/4 (use existing hardware, See CHASSIS AND ATTACHING PARTS SECTION for Breakdown)	

SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45		Ref	HEX HD CAPSCREW, 3/4-10X2 (use existing hardware, See CHASSIS 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 CHASSIS 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	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-32. (91033387) 5-BUTTON HANDLE (SN 0355001 to Present)



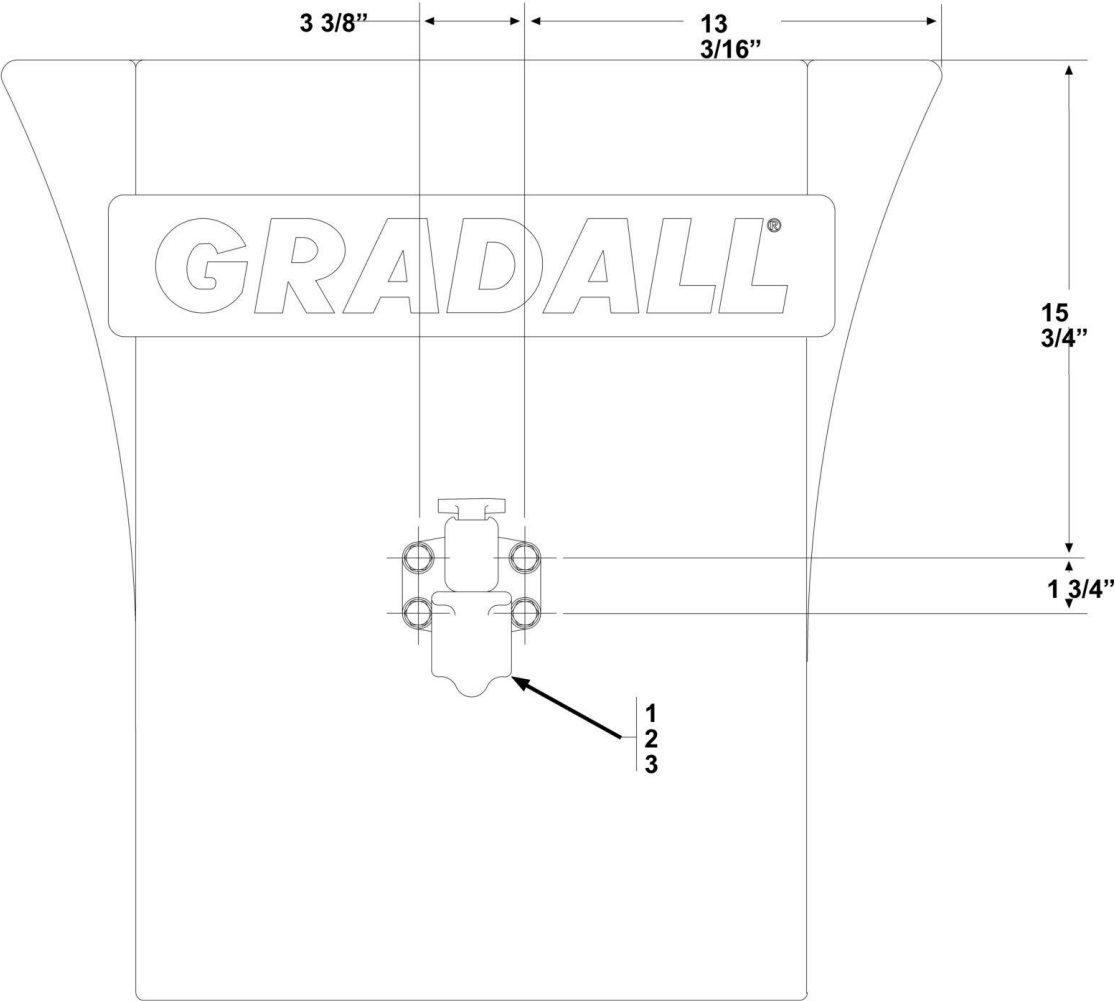
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-32. (91033387) 5-BUTTON HANDLE (SN 0355001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91033387	1	5-BUTTON HANDLE (includes all items)	
1	91364015	3	FACE PLATE SCREW	
2	91364016	5	PUSH BUTTON BOOT	
3	91364017	1	FACE PLATE	
4	91364018	5	PUSH BUTTON SWITCH	
5	91364019	1	FACE PLATE GASKET	
6	91364020	1	HOUSING	
7	91364021	1	CABLE STOP	
8	91364022	1	CABLE (2.75 ft)	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-33. (91035101) PINTLE HOOK (SN 0344001 to Present, SN 0266001 to Present)



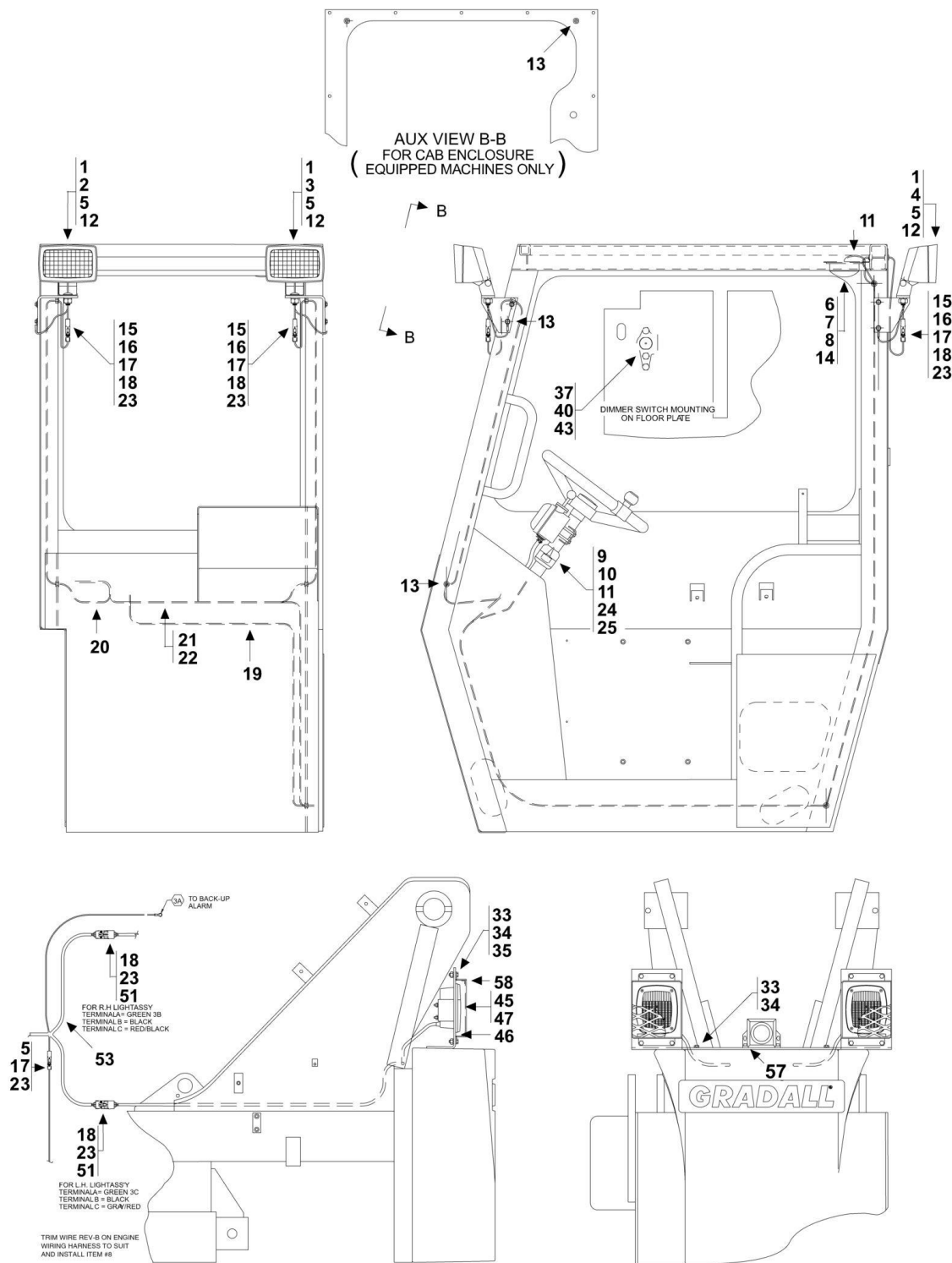
SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-33. (91035101) PINTLE HOOK (SN 0344001 to Present, SN 0266001 to Present)

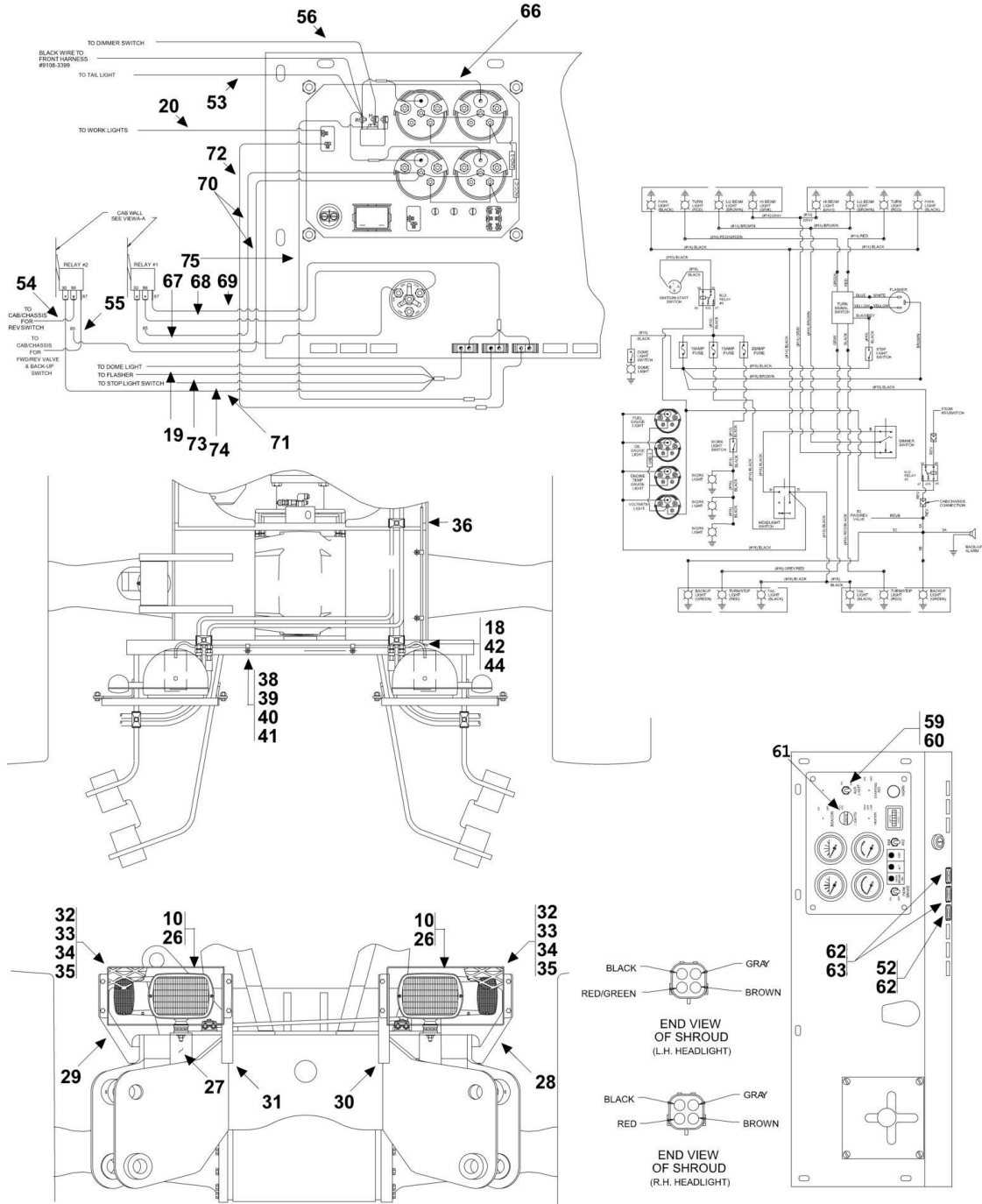
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91035101	1	PINTLE HOOK INSTALLATION, (includes all items)	
1	90200602	1	PINTLE HOOK	
2	83201120	4	HEX HD CAPSCREW, 1/2-13 X1-3/4, GR 8	
3	88551013	4	LOCKWASHER, 1/2	

SECTION 12 - OPTIONAL EQUIPMENT

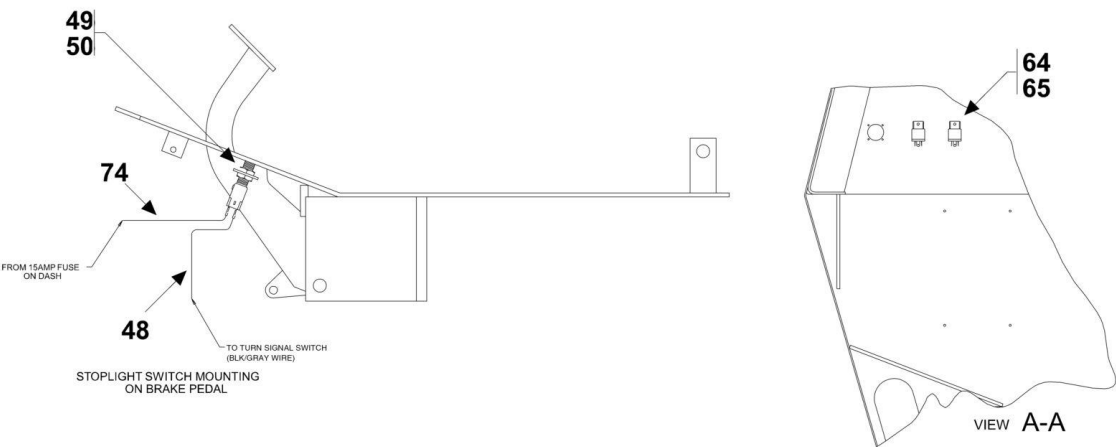
FIGURE 12-34. (91155024) DELUXE LIGHT PACKAGE (SN 0266001 to Present)



SECTION 12 - OPTIONAL EQUIPMENT



SECTION 12 - OPTIONAL EQUIPMENT



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-34. (91155024) DELUXE LIGHT PACKAGE (SN 0266001 to Present)

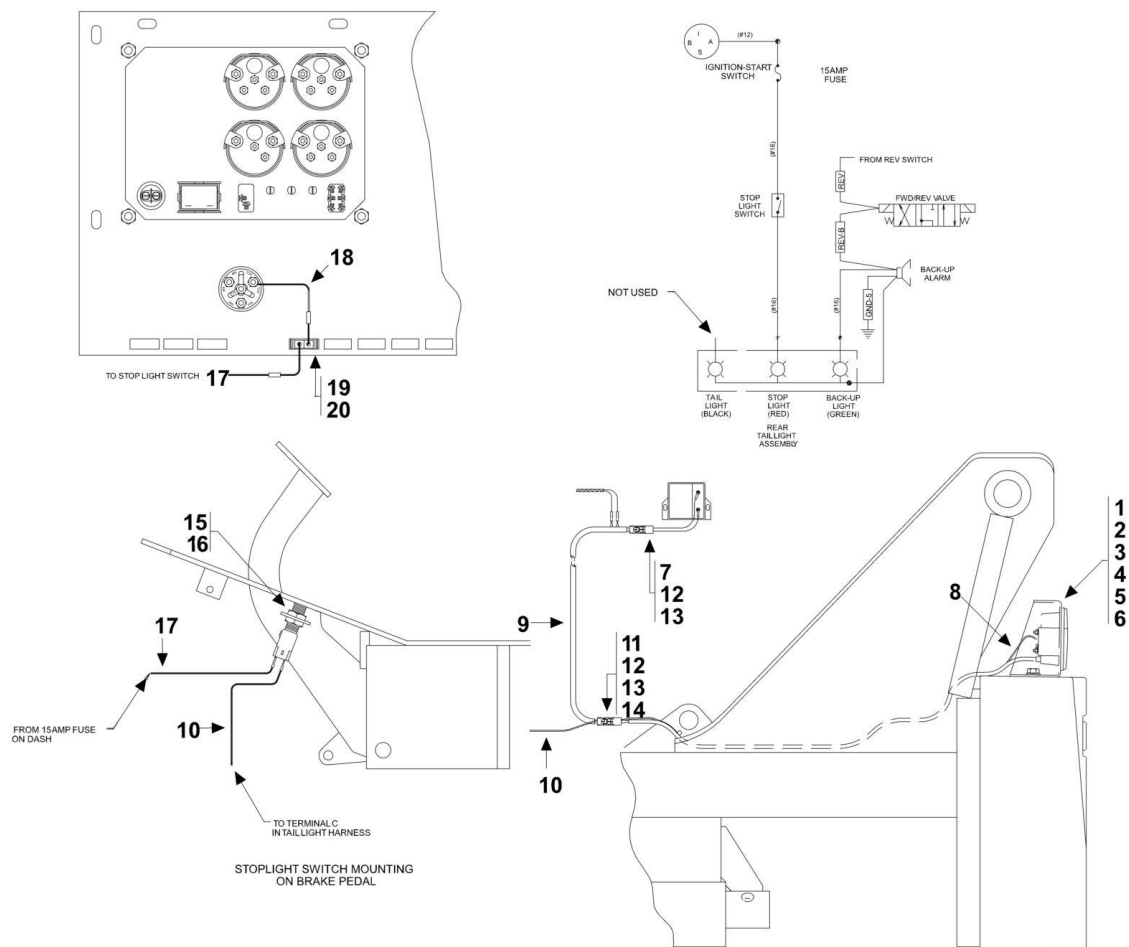
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91155024	1	DELUXE LIGHT PACKAGE, (includes all items)	
1	80963050	3	UTILITY FLOOD LIGHT	
2	91141182	1	R.H. LIGHT SUPPORT	
3	91141183	1	L.H. LIGHT SUPPORT	
4	91141394	1	REAR LIGHT SUPPORT	
5	80963055	4	W. PARK CONNECTOR, (tower)	
6	24861167	1	INTERIOR LIGHT	
7	91011009	1	MOUNTING BRACKET	
8	88321022	2	SELF TAPPING SCREW, #8-32X3/8	
9	91013026	1	PIG TAIL CONNECTOR	
10	86983193	14	BULLET CONNECTOR	
11	86683480	4	BUTT CONNECTOR	
12	90027319	6	DRILL AND TAP SCREW, 1/4-20X1	
13	90027214	11	RUBBER GROMMET	
14	90029955	1	RUBBER GROMMET	
15	86883260	3	EYELET	
16	80963056	3	W. PACK CONNECTOR, (shroud)	
17	80963068	4	W. PACK CONNECTOR, (female pin)	
18	80963069	17	W. PACK CONNECTOR, (male pin)	
19	91121151	1	JUMPER WIRE	
20	91143226	1	LIGHT HARNESS	
21	91053419	7	TIE WRAP	
22	86683122	6	TIE WRAP	
23	80963066	13	W. PACK CONNECTOR, (cable seal)	
24	90200999	1	TURN SIGNAL SWITCH	
25	80963168	1	FLASHER SWITCH	
26	91083398	1	HEAD/TURN/PARK/LAMP/KIT	
27	91041728	2	HEAD LIGHT MGT BRACKET	
28	91151023	1	L.H. OUTER LIGHT BRACKET	
29	91151024	1	R.H. OUTER LIGHT BRACKET	
30	91151025	1	L.H. INNER LIGHT BRACKET	
31	91151026	1	R.H. INNER LIGHT BRACKET	
32	91156008	2	HEAD LIGHT GUARD	
33	88201035	18	HEX HD CAPSCREW, 3/8-16X1	
34	88551011	18	LOCKWASHER, 3/8	
35	88501006	16	HEX NUT, 3/8-16	
36	91083399	1	FRONT WIRING HARNESS	
37	88201002	3	HEX HD CAPSCREW, 1/4-20X5/8, GR5	
38	83661336	4	WELD STUD, 1/4-20X5/8	
39	86621230	4	SUPPORT CLAMP	
40	88551009	7	LOCKWASHER, 1/4	
41	88501004	4	HEX NUT, 1/4-20	
42	80963062	2	W. PACK CONNECTOR, (shroud)	
43	86683136	1	DIMMER SWITCH	
44	80963067	8	W. PACK CONNECTOR, (cable seal)	
45	91365045	1	TAIL LIGHT ASSEMBLY, (includes the following seven items)	
45	91123065	1	TAIL LIGHT	
45	86661147	38 in	WIRE, 16 GAUGE, (black)	
45	86661149	38 in	WIRE, 16 GAUGE, (green)	
45	86661152	38 in	WIRE, 16 GAUGE, (red)	

SECTION 12 - OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	86683480	3	BUTT CONNECTOR	
45	82033996	45 in	WIRE LOOM	
45	86683122	2	TIE WRAP	
46	91151032	1	REAR LIGHT BRACKET	
47	91121146	2	TAIL LIGHT BRACKET	
48	91141257	1	JUMPER WIRE	
49	91143117	1	STOP LIGHT SWITCH	
50	91141197	1	MOUNTING TAB	
51	80963060	2	W. PACK CONNECTOR, (shroud)	
52	77363302	1	FUSE, 20 AMP	
53	91083400	1	REAR WIRING HARNESS	
54	91121193	1	JUMPER WIRE	
55	91081665	1	JUMPER WIRE	
56	91081614	1	JUMPER WIRE	
57	88212227	2	SOCKET HD CAPSCREW, #5/16-18X1	
58	91146062	2	TAIL LIGHT GUARD	
59	77383467	1	LIGHT SWITCH	
60	77383470	1	BOOT	
61	86683127	1	HEAD LAMP SWITCH	
62	91143108	3	FUSE HOLDER	
63	77363268	2	FUSE, 15 AMP	
64	77383410	2	RELAY	
65	88321039	2	SELF TAPPING SCREW, #10-32X1/2	
66	91033360	4	GUAGE LIGHTING KIT	
67	91121186	1	JUMPER WIRE	
68	91121187	1	JUMPER WIRE	
69	91081686	1	JUMPER WIRE	
70	91141265	2	JUMPER WIRE	
71	91081687	1	JUMPER WIRE	
72	91121216	1	JUMPER WIRE	
73	91081688	1	JUMPER WIRE	
74	91141256	1	JUMPER WIRE	
75	91081689	1	JUMPER WIRE	

SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-35. (91125055) STOP LIGHT INSTALLATION (SN 0344001 to Present, SN 0266001 to Present)



SECTION 12 - OPTIONAL EQUIPMENT

FIGURE 12-35. (91125055) STOP LIGHT INSTALLATION (SN 0344001 to Present, SN 0266001 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91125055	1	STOP LIGHT INSTALLATION, (includes all items)	
1	91121145	1	TAIL LIGHT HOUSING	
2	91121146	1	TAIL LIGHT BRACKET	
3	91365045	1	TAIL LIGHT ASSEMBLY, (includes the following seven items)	
3	91123065	1	TAIL LIGHT	
3	86661147	38 in	WIRE, 16 GAUGE, (black)	
3	86661149	38 in	WIRE, 16 GAUGE, (green)	
3	86661152	38 in	WIRE, 16 GAUGE, (red)	
3	86683480	3	BUTT CONNECTOR	
3	82033996	45 in	WIRE LOOM	
3	86683122	2	TIE WRAP	
4	88201108	1	HEX HD CAPSCREW, 3/4-10X1-1/4, GR5	
5	88561115	1	FLATWASHER, 3/4	
6	88551016	1	LOCKWASHER, 3/4	
7	80963058	1	W. PACK CONNECTOR, (shroud)	
8	91141364	1	JUMPER WIRE	
9	91143210	1	TAIL LIGHT HARNESS	
10	91141257	1	JUMPER WIRE	
11	80963062	1	W. PACK CONNECTOR, (shroud)	
12	80963069	5	W. PACK CONNECTOR, (male pin)	
13	80963066	5	W. PACK CONNECTOR, (cable seal)	
14	80963070	2	W. PACK CONNECTOR, (cavity plug)	
15	91141197	1	MOUNTING TAB	
16	91143117	1	STOP LIGHT SWITCH	
17	91141256	1	JUMPER WIRE	
18	91141259	1	JUMPER WIRE	
19	91143108	1	FUSE HOLDER	
20	77363268	1	FUSE, 15 AMP	

PART NUMBER INDEX

SECTION 12 - OPTIONAL EQUIPMENT

05101441.....65, 67, 85	77143006 11, 15, 76, 133,	80934241 349	83201031.....27, 29
14402248.....11, 15, 413	135, 279, 379, 381,	80934314 353	83201035.....43
14403190...426, 429, 471	383, 427, 429	80934340 339, 343	83201057.....361
14403416.....383	77143013..... 75	80934357 347	83201058.....159, 161
14404793.....412, 422	77143015.... 65, 67, 369,	80934423 323	83201073....33, 281, 309,
24431386.....63	383, 465	80934498 349	465
24601570.....20, 24, 482	77143016..... 426, 429	80934656 349	83201115.....259, 263
24641328.....427, 430	77143017.. 426, 429, 430	80934658 349	83201120..253, 255, 257,
24741047.....95, 99, 104,	77163117 457, 459	80963050 .404, 408, 475,	487
108, 111	77213031 151, 153	491	83201123.....289
24771004.....374, 381	77323029 221, 271	80963055 .404, 408, 475,	83201135.....95, 99, 104,
24861120.....379	77333027 387, 389	491	108, 111, 115, 119,
24861167..404, 408, 475,	77343018 387	80963056 .404, 408, 475,	123, 253, 255, 257,
491	77363079 73	491	259, 263
24861170.....95, 99, 104,	77363126 279	80963057 457, 459	83201140.....19, 23, 481
108, 112, 115, 381,	77363228 413	80963058 .404, 408, 426,	83201144.....19, 23, 481
417, 453, 455	77363232 413	429, 457, 459, 495	83201149.....400
24921332...139, 141, 143	77363268 .379, 381, 404,	80963060 ..434, 476, 492	83201155..115, 119, 123,
24921393.....11	408, 417, 426, 429,	80963062 .405, 408, 475,	257, 264
24921394.....11	453, 455, 471, 476,	491, 495	83421139.....250
24921395.....11	492, 495	80963065 457, 459	83451104.....59
3423263.....65, 67	77363302 492	80963066 .405, 408, 475,	83481645.....37
77103138.....139	77383154 ..139, 141, 143	491, 495	83483078...426, 429, 465
77104289.....167	77383202 95, 99, 103,	80963067 .426, 429, 475,	83483441.....180
77104297.....180	107	491	83483497..116, 120, 124,
77104343.....167, 171	77383203 95, 99, 103,	80963068 .404, 408, 457,	127, 129, 131, 133
77104444.....171	107	459, 475, 491	83483532.....180
77104445.....171	77383303 111, 123	80963069 .404, 408, 426,	83483584.....183
77131088.....76	77383410 .404, 408, 476,	429, 434, 457, 459,	83601011.....387
77133029.....400	492	475, 491, 495	83621283.....287, 289
77133052..241, 245, 249,	77383467 .374, 377, 404,	80963070 495	83623032..135, 241, 245,
269, 275, 277, 400	408, 455, 459, 476, 492	80963168 491	249
77133053..241, 245, 249,	77383470 .374, 377, 404,	80973021 383	83633002..205, 209, 213,
400	408, 417, 429, 453,	80974021 369	221, 223, 225
77133073.....269	455, 457, 459, 476, 492	80983168 475	83651133....96, 100, 103,
77133136.....73, 267	77383540 427, 429	82033993 465	107, 241, 245, 249,
77133137....73, 221, 264,	77383567 383	82033996 .404, 408, 475,	259, 263
267, 271	77383709 374	492, 495	83661145.....426, 429
77133139.....283	77383744 426, 429	82092118 95, 99	83661316.....65, 67, 84
77133140..69, 76, 80, 84,	77383790 141, 143	83073623 179	83661336.....475, 491
283	77384016 175	83073699 167, 179	83662017.....259, 263
77133146.....76, 84	77385131 77	83073828 183	83683175..115, 119, 123,
77133167...223, 225, 279	77386065 127	83081182 171, 180	151, 153
77133168.....76, 84, 221,	80263012 112	83191004 .111, 115, 119,	83683181.....426
283	80264140 349	123	83683291.....11, 15
77133177.....69, 80, 283	80434095 355	83191005 ..115, 119, 123	83683308.....133, 135
77133197...223, 225, 279	80603019 393	83191006 ..115, 119, 123	83683549.....77
77133201...70, 75, 79, 85	80603022 389	83191010 ...96, 100, 103,	83783028....96, 100, 105,
77133209..269, 275, 277,	80603026 387, 389	107, 111, 115, 119,	109
400	80603037 391	123, 124	83814054.....351
77133248.....319, 439	80633030 ...97, 101, 103,	83191012 111	83814056.....351
77133269.....75, 84	107, 112, 230, 234, 238	83191013 ...96, 100, 103,	83924121.....353, 355
77133270.....73	80673009 .229, 233, 237,	107, 112, 115, 119, 123	83924123.....333, 335
77133389.....221, 283	331	83191021 ..115, 119, 123	83924135.....333
77133390.....221, 283	80673023 76	8319103295, 99, 103,	84521056.....133, 135
77133447.....95, 99, 104,	80914235 335	107, 111, 115, 119, 124	84521062.....65, 67
108, 112, 230, 234,	80914241 335	83191035 111	84711333..120, 124, 229,
238, 264	80933066 259, 263	83191038 459	233, 237
77133458.....76	80934035 317	83191039 ...96, 100, 104,	84711334....95, 99, 104,
77133497.....76	80934052 343	108	108, 111, 229, 233, 237
77133498.....76	80934077 343	83191040 ...96, 100, 103,	84711778.....76
77133499.....76	80934080 335	107, 112	84712737.....259, 263
77133893.....275, 277	80934082 ..340, 343, 353	83191041 111	84712738....95, 99, 104,
77143003.....11, 15, 133,	80934084 340, 343	83191059 217	108, 111, 115, 119,
135, 279, 379, 381, 383	80934091 339	83201006 19, 24	123, 253, 255, 257,
77143004..133, 135, 427,	80934202 323	83201024 ..69, 75, 79, 85	259, 263
430	80934205 351	83201026 ..69, 75, 79, 85	84712739...253, 255, 257

SECTION 12 - OPTIONAL EQUIPMENT

84712746 129, 131	84718415 275, 277	86661149..404, 408, 475,	135, 237, 329, 331,
84716148 400	84718418 283	491, 495	412, 422
84716221 .. 229, 233, 237,	84718419 283	86661152..404, 408, 475,	88201021 57, 59, 271
275, 277	84718420 283	491, 495	88201022 195, 197
84716426 281	84718421 283	86671112....97, 101, 103,	88201023 ... 73, 221, 267,
84716434 65, 67	84718424 .. 241, 245, 467	107, 112	271
84716547 .. 242, 246, 250,	84718425 .. 120, 124, 230,	86681572.....19, 24	88201024 76, 84
259, 263	234, 238, 264	86683122..404, 408, 475,	88201025 75, 84
84717341 .. 223, 225, 264	84718427 400	491, 492, 495	88201027 59
84717519 279	84718432 275, 277	86683127.....476, 492	88201028 264
84717524 157	84718467 205	86683136.....476, 491	88201031 151
84717537 76, 434	84718478 .. 223, 225, 257	86683193.....426, 429	88201033 217
84717640 63	84718479 .. 230, 234, 238,	86683330...417, 453, 455	88201034 43, 73, 133,
84717641 .. 221, 223, 225	241, 245, 249	86683480....77, 404, 408,	135, 475
84717644 59	84718480 .. 133, 135, 241,	426, 429, 471, 475,	88201035 .. 23, 43, 57, 59,
84717811 159, 161	245	491, 492, 495	141, 143, 215, 217,
84717846 400	84718481 241, 253	86881273.....43	260, 264, 357, 404,
84717847 281, 465	84718496 .. 205, 209, 213,	86881276.....43	408, 446, 476, 481, 491
84717848 281, 465	223, 225	86881421.....177	88201036 57, 59, 120,
84717871 76	84718497 209, 213	86883075.....95, 99, 104,	124, 229, 233, 237,
84717889 .. 205, 209, 213,	84718498 223, 225	108, 111	260, 329, 331, 357,
223, 225	84718526 .. 223, 253, 255	86883106..105, 109, 112,	369, 412, 422
84717893 434	84718527 253	135	88201037 ... 63, 133, 135,
84717955 84	84718547 .. 223, 225, 229,	86883260..404, 408, 465,	357
84718046 400	233, 237	475, 491	88201040 65, 67, 85, 273,
84718047 75	84718548 .. 205, 209, 213,	86883327.....133, 135	321
84718067 69, 79	223, 225	86883469....84, 135, 205,	88201044 .. 281, 307, 465
84718179 465	84718554 283	209, 213	88201045 369
84718202 275, 277	84718557 412, 422	86921268.....19, 23, 479,	88201050 11, 15, 453
84718221 434	84718729 .. 159, 161, 225	481	88201051 95, 99, 104,
84718316 259	84718740 263	86921327..135, 241, 245,	108, 111, 229, 233, 237
84718338 .. 230, 234, 238	84718741 263	249	88201063 43
84718339 .. 230, 234, 238,	84718748 .. 223, 225, 241,	86961044.....415	88201065 .. 45, 65, 67, 84,
275, 277	245, 249	86971355.....88	287, 289, 293, 295, 297
84718340 267, 271	84718845 257	86981533.....141, 143	88201066 .. 115, 119, 123
84718347 .. 230, 234, 238,	84718848 .. 234, 238, 263	86983188...426, 429, 471	88201067 12, 15
275, 277	84718849 .. 234, 238, 263	86983190...417, 453, 455	88201070 283, 400
84718348 275, 277	84718850 .. 245, 249, 264	86983193...413, 475, 491	88201073 57, 59
84718349 .. 116, 120, 124,	84718851 .. 245, 249, 264	86983195.....457, 465	88201075 ... 96, 100, 103,
230, 234, 238, 264	84718868 271	86983202.....457, 459	107, 112
84718353 259	84718913 467	86983649.....112	88201095 95, 99, 104,
84718354 230, 259	84718914 249, 467	86984451.....173	108, 111, 127, 129, 131
84718355 259	84718929 257	86984452.....173	88201096 59
84718356 230, 259	84718935 263	86984466.....179	88201105 .. 53, 55, 65, 67,
84718357 241, 259	84718945 238, 249	88201001.....12, 16, 426,	69, 79, 85
84718358 241, 259	84718947 238, 249	429	88201107 45
84718366 273	84718956 245, 249	88201002..457, 459, 476,	88201108 .. 404, 408, 495
84718368 .. 229, 233, 237	84718999 .. 245, 249, 255,	491	88201112 ... 96, 100, 105,
84718369 .. 120, 124, 229,	257	88201003..199, 201, 205,	109, 112
233, 237	84719019 .. 271, 412, 422	209, 213, 471	88201142 12, 16
84718370 .. 230, 234, 238	84719575 .. 400, 412, 422,	88201005 73, 95, 99, 104,	88201532 .. 37, 39, 41, 43
84718371 269	462	108, 412, 427, 429,	88201534 .. 37, 39, 41, 65,
84718372 271	85071128 133, 135	457, 459	67
84718373 271	85101098 19, 24	88201006.....73	88201535 65, 67
84718377 279	85401340 259, 263	88201007.....75	88201536 84
84718380 .. 241, 245, 249	85611274 412	88201008..69, 76, 79, 84,	88201537 84
84718381 .. 241, 245, 249	85611278 133, 135	205, 209, 213, 215,	88201562 39
84718382 267	85841094 ... 97, 101, 104,	223, 225, 264	88201565 39, 41
84718383 267	108	88201010...241, 245, 249	88201570 37
84718384 413, 422	85941016 .. 133, 135, 465	88201012.....434	88201607 37
84718385 412, 422	85941017 112, 383	88201016..229, 233, 329,	88204912 12, 16
84718387 .. 223, 225, 241,	86121186 400	417, 453, 455	88211030 426, 430
245, 249	86541381 .. 127, 129, 131	88201017.....11, 15, 412	88211034 461
84718406 .. 253, 255, 257	86621230 475, 491	88201018...139, 413, 422	88211068 ... 96, 100, 103,
84718407 255	86661147 ... 77, 404, 408,	88201019.....446	107, 112
84718408 241	475, 491, 495	88201020.....95, 99, 104,	88211117 19, 479
84718409 400		108, 112, 116, 133,	

SECTION 12 - OPTIONAL EQUIPMENT

88211121.....20, 23, 479, 481	88501612..... 11, 15	88561002 . 69, 73, 76, 79, 84	88591206.. 60, 95, 96, 99, 100, 103, 104, 107, 108, 112, 157, 203, 207, 211, 223, 225, 229, 233, 237, 259, 263, 271
88212224.....11, 15	88501613 . 11, 15, 95, 99, 104, 108	88561003 11, 15, 133, 135, 237, 329, 331	88591207.... 96, 100, 103, 107, 119, 123, 229, 233, 237, 241, 245, 249, 257, 259, 263, 267, 269, 271, 273, 283, 413, 423, 467
88212227.....492	88501616..... 95, 99, 215, 217	88561004 ... 63, 329, 331, 475	88591209.....283, 369
88212228..195, 197, 203, 207, 211, 323	88521008... 96, 100, 103, 107, 112	88561005 . 229, 233, 329, 331	88591210.... 96, 100, 104, 108, 133, 135, 229, 233, 237, 241, 245, 249, 331
8821232119, 20, 24, 479, 482	88521010..... 37	88561008 .. 127, 129, 131	88591508.....259, 263
88221051.....446	88521016 . 27, 29, 65, 67, 85	88561011 12, 16	88631301.....419
88241053.....80	88521204..... 12, 16	88561013 257	88631302.....413, 423
88261017.....279	88521206... 33, 133, 135, 307, 309, 465	88561104 374, 427	88631338.....419
88261022...193, 379, 381	88521208..... 20, 24, 479, 482	88561105 45	88631343.....73
88261024...203, 207, 211	88521304 . 193, 381, 412, 434	88561107 12, 16, 199, 205, 209, 213, 223, 225, 241, 245, 249, 422, 426, 429, 434, 457, 459	88631449.....75, 79, 85
88261026.....291	88521305..... 139	88561108 . 37, 59, 75, 84, 96, 100, 105, 109, 111, 139, 391, 393	88631509.....45
88301070.....427	88521306..... 19, 23, 141, 143, 481	88561109 . 37, 39, 41, 43, 65, 67, 84, 115, 119, 123, 133, 135, 141, 143, 404, 408	88633001.....413, 423
88301077.....374	88521310 . 53, 55, 65, 67, 69, 79, 85	88561111 . 12, 15, 45, 97, 101, 103, 107, 112, 115, 119, 123, 133, 135, 287, 289	88661010.....65, 67
88301093.....465	88521312 19, 23, 481	88561113 59, 419	88661011.....400
88301193.....11, 15, 45	88521604 427	88561115 .. 404, 408, 495	88661016.....63
88301311.....215, 217	88551007 11, 15, 281, 465	88581136 .. 69, 75, 79, 85	88661022... 203, 207, 211
88321022..404, 408, 475, 491	8855100975, 95, 99, 104, 108, 199, 201, 205, 209, 213, 223, 225, 241, 245, 249, 264, 279, 412, 434, 457, 459, 475, 491	88581140 307, 465	88661084....76, 230, 234, 238, 329, 331
88321029.....381	88551010 . 11, 15, 75, 84, 95, 99, 104, 108, 112, 116, 133, 135, 195, 197, 203, 207, 211, 271, 412, 417, 422, 446, 453, 455	88581149 ... 43, 291, 412, 422	88661085..205, 209, 213, 223, 225
88321030.....12, 16	88551011 . 19, 23, 43, 63, 65, 67, 73, 80, 85, 96, 100, 103, 107, 112, 120, 124, 133, 135, 151, 215, 217, 229, 233, 237, 259, 260, 263, 264, 273, 321, 329, 331, 357, 369, 404, 408, 413, 422, 446, 475, 481, 491	88581313 43	88661110.....73
88321039..331, 404, 408, 427, 476, 492	88551012 95, 99, 104, 108, 111, 115, 119, 123, 229, 233, 237, 253, 255, 257, 259, 263, 446, 453	88581323 19, 23, 479, 481	88661113.....400
88341022..12, 16, 53, 55, 57, 59, 63, 65, 67, 69, 73, 76, 80, 84, 387, 389	88551013 . 12, 16, 43, 45, 65, 67, 84, 115, 119, 123, 253, 255, 283, 287, 289, 293, 295, 297, 487	88591009 319, 439	88661180.....63
88441001..195, 197, 203, 207, 211	88551015 .. 127, 129, 131	88591019 19, 23, 481	88661204.....157
88501004..199, 201, 205, 209, 213, 241, 245, 249, 279, 412, 434, 457, 459, 471, 475, 491	88551016 .. 404, 408, 495	88591020 115	88661305.....157, 221
88501005..57, 59, 76, 84, 95, 99, 104, 108, 112, 116, 133, 135, 195, 197, 203, 207, 211, 271, 412, 422	88551109 20, 479	88591024 . 120, 124, 229, 233, 237	88661306.....75, 84
88501006..19, 23, 57, 59, 63, 80, 260, 329, 331, 357, 379, 381, 404, 408, 413, 422, 476, 481, 491	88551153..... 20, 24, 479, 482	88591027 95, 99, 104, 108, 111, 229, 233, 237	88661341.. 230, 234, 238, 273, 275, 277
88501007.....11, 15, 453	88551616..... 104, 108	88591032 19, 23, 479, 481	88661344...229, 233, 237
88501008..12, 16, 57, 59, 271, 283, 357, 400, 412, 422, 462	88554900 12, 16	88591104 20, 23, 481	88661365.....249, 462
88501010.....45, 59	88561001 .. 264, 281, 465	88591202 ... 96, 100, 229, 233, 237, 241, 245, 249, 253, 255, 257, 273, 275, 277	88661406.. 230, 234, 238, 277
88501012.....159, 161		88591203 88	88661408...229, 233, 237
88501016...43, 65, 67, 85		88591204 . 70, 76, 79, 85, 87, 115, 119, 123, 159, 161, 205, 209, 213, 223, 225, 230, 234, 238, 241, 245, 249, 257, 259, 263, 275, 277, 279, 434	88661449.....69
88501106.....57, 59		88591205 . 70, 75, 79, 84, 96, 100, 103, 107, 159, 161, 205, 209, 213, 223, 225, 230, 234, 238, 257, 275, 277, 281, 283, 465	88662003.... 96, 100, 253, 255, 257
88501108..271, 400, 412, 422, 462			88662005..115, 119, 123, 159, 161, 230, 234, 238, 241, 245, 249, 257, 259, 263, 279, 434
88501110.....20, 24, 482			88662006..59, 63, 69, 73, 76, 77, 79, 84, 159, 161, 275, 277
88501112.....412			88662007.....271
88501116.....43			88662008.... 96, 100, 103, 107, 241, 245, 249, 259, 263, 267, 271
88501314.....43			88662010.....369
88501404.....413, 423			88662011.... 96, 100, 104, 108, 229, 233, 237
88501405..195, 197, 205, 209, 213			88662017... 230, 234, 238
88501406..195, 197, 203, 207, 211			
88501408..195, 197, 205, 209, 213, 313, 315			
88501416.....19, 23, 481			
88501610.....374			

SECTION 12 - OPTIONAL EQUIPMENT

88662018 . 65, 67, 69, 76, 79, 84, 96, 100, 103, 107, 257, 275, 277, 283	88662224 . 115, 119, 123, 159, 161, 205, 209, 213, 223, 225, 230, 234, 238, 264	90027214..404, 408, 426, 429, 471, 475, 491	90202500 187
88662019 59, 96, 100, 103, 107, 112, 203, 207, 211, 223, 225, 229, 233, 237	88662225 400	90027319..404, 408, 426, 429, 430, 471, 475, 491	90202501 187
88662020 264, 273	88662237 230, 259	90027331.....127	90203384 75, 84
88662022 . 267, 269, 413, 423	88662239 95, 96, 99, 100, 104, 108, 111, 115, 119, 123, 205, 209, 213, 223, 225, 230, 234, 238, 241, 245, 249, 259, 263, 434	90027470.....260	90203437 363
88662025 283	88662240 76, 96, 100, 103, 107, 135, 241, 245, 249, 259, 263	90027471..37, 39, 41, 400	90203438 363
88662026 275	88662242 ... 96, 100, 103, 107, 241, 245, 249, 264	90027472 43, 95, 99, 104, 108, 111	90203439 363
88662027 .. 230, 234, 238	88662244 467	90027473....96, 100, 105, 109, 112, 159, 161	90203440 363
88662028 . 133, 135, 230, 234, 238, 241, 245, 249	88662332 . 120, 124, 259, 264	90027713.....139	90203543 173
88662037 271	88662421 . 115, 119, 123, 259, 263	90027906....96, 100, 104, 108, 120, 124, 253, 255, 257, 259	90203840 427
88662038 269	88663469 223, 225	90027908.....95, 99, 104, 108	90204007 65, 67, 85
88662059 . 203, 207, 211, 223, 225, 259, 271	88671001 . 19, 23, 33, 37, 43, 57, 59, 73, 287, 289, 293, 297, 299, 301, 307, 309, 358, 481	90027987..195, 197, 203, 207, 211	90204097 .. 70, 75, 79, 85
88662061 283	88671008 . 45, 69, 75, 79, 85, 281, 307, 465	90028482....97, 101, 229, 233, 237	90204244 85, 88
88662062 ... 88, 229, 233, 237, 241, 245, 249, 275, 277	88671018 75	90028631.....141	90204245 85, 87
88662064 75, 85, 87, 157, 205, 209, 213, 223, 225, 230, 234, 238, 242, 246, 250, 259, 263, 275, 277, 279, 434	88671022 . 19, 23, 65, 67, 69, 79, 84, 293, 481	90028660.....95, 99, 104, 108, 116	90205121 59
88662065 ... 76, 275, 277, 281, 465	88671033 19, 437, 441	90028662...413, 419, 422	90205126 73
88662067 283, 467	88701002 .. 417, 453, 455	90028695....96, 100, 104, 108, 112, 229, 233, 237	90205205 115, 119
88662069 369	88701023 .. 139, 141, 143	90028935.....299	90205663 145
88662070 . 241, 245, 249, 331	88711210 .. 139, 141, 143	90028968.....413	90205686 374
88662082 .. 253, 255, 273	88711283 .. 127, 129, 131	90028990.....59, 400	90205687 374
88662084 70, 79, 279, 434	88711284 . 115, 119, 124, 165	90028995.....59	90205716 337
88662085 281, 465	88711285 283	90029355.....404, 408, 426, 429, 475, 491	90205792... 96, 100, 103, 107, 112, 116, 120, 124, 253, 255, 257, 259, 263
88662086 271	88711383 427, 429	90029999.....73	90205870 . 37, 39, 41, 65, 67, 84
88662103 . 229, 233, 237, 241, 245, 413, 423	88711384 115, 119	90030271.....95, 99, 104, 108, 111, 133, 135	90205891 27, 29
88662105 . 65, 67, 69, 75, 79, 84, 135, 205, 209, 213, 221, 223, 225, 230, 234, 238, 275, 277, 279, 329, 331	88711385 .. 123, 129, 457	90153001..53, 55, 57, 59, 63, 65, 67, 69, 73, 76, 80, 84	90205918 133, 135
88662106 . 70, 75, 80, 84, 159, 161, 263, 275, 277, 400	88712011 127, 129	90200003..53, 55, 65, 67, 69, 79, 85	90206023 426, 429
88662107 59, 267, 271	88712013 127	90200284..195, 197, 203, 207, 211	90206046 57
88662108 267, 269	88712034 427, 430	90200299.....422	90206124 115, 119
88662110 467	88712304 412, 422	90200440.....179, 183	90206169 426, 429
88662117 260	88741805 127, 129	90200445.....37, 391, 393	90206194 11, 15, 415
88662121 269	88821002 413, 423	90200602.....487	90206198 . 203, 205, 207, 209, 211, 213
88662122 283	88821004 . 195, 197, 203, 207, 211	90200638.....419	90206199 279
88662139 . 205, 209, 213, 223, 225	88971004 369	90200680.....426, 430	90206262 95, 103, 145
88662140 . 205, 209, 213, 223, 225, 230, 234, 238, 275, 277	90020247 19, 24	90200688....37, 391, 393	90206417 367
88662142 .. 229, 233, 237	90021552 419	90200755.....12, 16	90206606 145
88662152 . 70, 75, 79, 85, 434	90023159 260, 264	90200807...145, 147, 149	90206846 20
88662175 84	90026491 37, 391, 393	90200999.....475, 491	90207046 45
88662194 157	90026965 59	90201414...145, 147, 149	90207204 183
88662222 ... 96, 100, 234, 238, 253, 255, 263	90027176 . 271, 400, 412, 422, 462	90201443.....73, 400	90207220 476
	90027179 . 229, 233, 237, 329, 331	90201918.....19, 24, 482	90207352 299
	90027180 .. 271, 412, 422	90202230.....215, 217	90207458 11, 15
	90027187 95, 99, 103, 107, 112, 115, 119, 123, 275, 277, 279, 400, 413, 422, 457, 459, 465	90202372.....337	90207463 .. 271, 413, 422
		90202376.....337	90207464 . 271, 400, 412, 423
		90202379.....337	90207661 412
		90202399.....337	90207662 76, 84
		90202403.....337	90207719 76, 434
		90202404.....337	90207856 . 205, 209, 213, 221, 223, 225
		90202405.....337	90207879 361
		90202406.....337	90207880 59
		90202407.....337	90207882 59, 400
		90202435.....337	90207884 57, 59
			90207902 45
			90208066 317
			90208142 357
			90208143 357
			90208145 357
			90208146 358
			90208147 357
			90208148 357
			90208149 357
			90208150 357

SECTION 12 - OPTIONAL EQUIPMENT

90208151.....	357	90453021	76, 84	91031136	45	91034162.....	445
90208152.....	357	90453023	75	91031140	33	91034163.....	445
90208153.....	357	90453031	63	91031141	33, 309	91034164.....	445
90208154.....	357	90453032	63	91031236	37, 39, 41, 65,	91034165.....	446
90208155.....	357	90453033	76	67, 84		91034166.....	445
90208156.....	357	90453034	443	91031521	427, 429	91034167.....	446
90208157.....	357	90453040	57	91033011	387	91034168.....	445
90208158.....	357	90453041	57	91033023	391	91034169.....	445
90208159.....	357	90453043	75	91033028	139	91034170.....	446
90208160.....	358	90453044	75	91033029	11, 15	91034171.....	446
90208161.....	358	90453045	91	91033038	45, 69, 76, 79,	91034172.....	445
90208162.....	357	90453046	76	84		91034173.....	445
90208163.....	357	90453050	357	91033039	69, 76, 79, 84	91034174.....	446
90208164.....	357	90454001	76	91033089	389	91034175.....	446
90208165.....	357	90454002	76	91033102	12, 16	91034176.....	445
90208166.....	358	90454003	76	91033104	189	91034177.....	445
90208167.....	358	90455011	57	91033125	76	91034178.....	445
90208168.....	357	90455012	59	91033137	133, 135	91034179.....	445
90208169.....	357	90455035	63	91033161	400	91034180.....	445
90208170.....	357	90455037	63	91033185	37	91034181.....	445
90208171.....	357	90455044	69	91033186	37, 39, 41, 65,	91034182.....	446
90208172.....	358	90455047	75	67, 84		91034183.....	446
90208173.....	357	90455049	49	91033187	43	91034184.....	445
90208174.....	357	90455051	53	91033196	445	91034185.....	445
90208175.....	357	90455052	55	91033201	283	91034186.....	445
90208176.....	357	90456002	63	91033230	135, 241, 245,	91034187.....	445
90208177.....	357	90456007	75	249, 400		91034188.....	446
90208178.....	358	90456009	53	91033246	95, 99, 104,	91034189.....	446
90208179.....	357	90456010	55	108		91034190.....	445
90208180.....	357	90551013	69	91033247	374	91034191.....	445
90208181.....	357	90553005	91	91033317	379, 381	91034192.....	445
90208183.....	357	90553008	91	91033320	11, 15	91034193.....	445
90208184.....	357	90553011	87	91033360	404, 492	91034194.....	445
90208185.....	357	90553012	80	91033366	441	91034195.....	446
90208186.....	357	90553013	80	91033373	157	91034196.....	445
90208187.....	357	90553014	461	91033374	157	91034197.....	445
90208188.....	357	90553016	461	91033387	485	91034198.....	445
90208189.....	357	90553018	91	91033391	413	91034199.....	445
90208190.....	358	90555013	79	91033394	413	91034200.....	445
90208203.....	361	90555020	51	91033417	422	91034201.....	445
90208204.....	361	90556004	79	91033464	426, 429, 471	91034202.....	445
90208206.....	361	90600273	215, 217	91033465	426, 429	91034203.....	445
90208207.....	361	90600274	215, 217	91033483	434	91034204.....	445
90208208.....	361	90600390	91	91033485	11, 15	91034205.....	446
90208209.....	361	90600832	91	91033487	434	91034206.....	445
90208210.....	361	90600833	91	91034062	347	91034207.....	446
90208211.....	361	90601015	91	91034070	325, 423, 449	91034208.....	445
90208212.....	361	90601219	91	91034105	325	91034209.....	446
90400654.....	127, 129	90601819	91	91034107	321	91034210.....	445
90402427.....	115, 119, 123	90601873	91	91034109	321	91034211.....	445
90402478.....	55	90601874	91	91034111	321	91034212.....	445
90402948.....	57, 59	90602706	363	91034112	321	91034213.....	445
90403056.....	59	90602904	57, 59	91034113	321	91034214.....	446
90403437.....	57, 59	90602905	57, 59	91034114	321	91034215.....	445
90451020.....	79	90801353	57, 59	91034115	321	91034216.....	445
90451039.....	63	91003016	391, 393	91034116	321	91034217.....	445
90451047.....	57, 59	91003018	391, 393	91034117	321	91034236.....	325, 449
90451053.....	57	91003020	391, 393	91034118	321	91034276.....	287, 289, 291,
90451058.....	53, 65	91003030	387, 389	91034119	321	293, 295	
90451060.....	75	91003031	37, 391, 393	91034120	321	91034301.....	441
90451061.....	76	91011009	404, 408, 475,	91034121	321	91034302.....	441
90453002.....	91	491		91034139	287, 289, 293,	91034303.....	441
90453013.....	79	91013026	475, 491	295, 297, 309		91034304.....	441
90453016.....	59	91014058	337	91034153	287, 289, 293,	91034305.....	441
90453018.....	76, 84	91023006	387, 389	295, 297, 309		91034306.....	441
90453019.....	75, 84	91031009	19	91034157	443	91034372.....	63
90453020.....	76, 84	91031014	27, 29	91034161	445	91034373.....	63

SECTION 12 - OPTIONAL EQUIPMENT

91034374	63, 76	91043429	427, 430	91044407	175	91081573	73
91034375	63, 76	91043440	77	91044408	175	91081574	73
91034376	63	91043446	317	91044409	175	91081577	65, 67, 85
91034377	63, 77	91043472	187	91044410	175	91081582	417, 455
91034389	187	91044002	319, 365, 439, 461	91044412	175	91081594	65, 67, 84
91034390	187	91044012	365	91044413	175	91081599	471
91034399	75	91044081	179	91044414	175	91081601	457, 459
91034400	75	91044099	187	91044415	175	91081614	476, 492
91034435	443	91044101	187	91044416	175	91081622	65, 67, 84
91034436	443	91044105	187	91044417	175	91081640	383
91034437	443	91044106	187	91044419	167, 175	91081665	476, 492
91035101	487	91044107	187	91044420	175	91081676	417, 453, 455
91035240	19, 23	91044110	187	91044421	175	91081680	426, 429
91036032	33	91044112	187	91044422	167	91081686	476, 492
91036041	33	91044216	337	91044423	167, 171	91081687	476, 492
91041227	307, 465	91044241	87	91044424	167	91081688	476, 492
91041322	69, 75, 79, 85	91044242	87	91044425	167	91081689	476, 492
91041323	85	91044243	87	91044426	167	91081691	20
91041324	69, 75, 79, 85	91044244	87	91044441	347	91081693	19, 23, 479, 481
91041325	69, 75, 79, 85	91044245	87	91044462	187	91081695	19, 23, 481
91041326	69, 75, 79, 85	91044249	87	91044463	441	91081709	11, 15
91041327	69, 75, 79, 85	91044250	87	91044464	441	91081737	73
91041356	69, 76, 79, 84	91044251	87	91044465	441	91083069	329, 331
91041361	70, 79	91044262	88	91044466	441	91083070	329, 331
91041362	70, 75, 79, 84	91044276	187	91044467	441	91083081	215
91041365	45	91044277	187	91044468	441	91083106	95, 99, 104, 108, 111, 115, 119, 123, 253, 255, 257, 259, 263
91041438	19, 23	91044284	461	91044469	441	91083107	193
91041439	19, 23, 481	91044301	461	91044470	441	91083126	139
91041449	19, 23, 412, 422, 481	91044302	461	91045152	19, 23	91083128	139, 141, 143
91041450	19, 23, 481	91044303	461	91046061	69	91083129	139
91041451	20, 23, 43, 481	91044304	321	91046062	69, 75, 79, 85	91083136	195, 197, 203, 207, 211, 413, 419, 422
91041459	19, 23, 481	91044305	321	91053020	96, 100, 104, 108, 257, 264	91083155	427, 429
91041481	19, 23, 481	91044306	321	91053419	374, 404, 408, 426, 475, 491	91083159	11, 15
91041596	19, 23, 481	91044307	321	91053426	283	91083161	11, 15
91041598	19, 23, 481	91044308	321	91053450	245, 249, 257, 283	91083173	11, 15
91041728	491	91044309	321	91053559	426, 429	91083218	95, 99, 103, 107, 111, 116, 120, 123, 124, 127, 129, 131
91041732	19, 23, 481	91044311	187	91063039	73	91083222	96, 100, 104, 108, 230, 234, 238, 264
91041733	23	91044346	365	91063040	73	91083235	215
91043125	59, 65, 67, 69, 73, 79, 85, 88, 400, 412, 422	91044347	365	91063047	387	91083241	329
91043126	59, 63, 65, 67, 69, 73, 76, 79, 85, 87, 400, 412, 422	91044348	365	91064016	287, 289, 299	91083248	65, 67, 84
91043134	391, 393	91044355	347	91064017	291, 299	91083249	69, 80
91043135	391, 393	91044361	187	91064021	337	91083250	151, 153
91043136	391, 393	91044381	180	91081176	27, 29	91083253	151
91043146	189	91044383	171	91081177	19, 24	91083262	319, 439
91043150	153	91044384	171	91081201	260	91083263	427
91043186	69, 79	91044385	171	91081264	215	91083266	115, 119, 123, 259, 263
91043199	281, 465	91044386	171	91081313	43, 65, 67, 84, 293, 295, 297	91083286	437
91043209	84, 387	91044387	171	91081332	195, 197, 203, 207, 211	91083294	313
91043211	387	91044388	171	91081354	419	91083306	95, 99, 104, 108, 112, 230, 234, 238, 264
91043214	197, 207, 211	91044389	171	91081388	95, 99, 104, 108, 111	91083310	203, 207, 211, 241, 253, 255
91043215	387	91044390	171	91081415	19, 23, 481	91083311	203, 207
91043221	69, 75, 80, 85	91044391	171	91081432	297	91083312	195, 197, 203, 207, 211
91043222	19, 24	91044392	171	91081445	195, 197, 203, 207, 211, 313, 315	91083314	387, 389
91043237	11, 15	91044393	171	91081475	12, 16	91083323	127
91043246	301, 303, 305	91044394	171	91081480	419		
91043247	19, 24, 481	91044395	171	91081499	426, 430		
91043258	321	91044396	171	91081522	260		
91043286	195, 203	91044398	171	91081523	260		
91043298	189	91044399	171	91081545	426, 429		
91043321	412, 422	91044400	171	91081554	85		
91043353	397	91044401	171				
91043415	453	91044402	171				
		91044403	175				
		91044404	175				
		91044405	175				
		91044406	175				

SECTION 12 - OPTIONAL EQUIPMENT

91083339...253, 255, 257	91084056.....179	91084221.....437	91094020.....333
91083341.....387, 389	91084057.....179	91084222.....437	91094025.....335
91083348.....426, 429	91084058.....179	91084223.....437	91094026.....335
91083361.....457	91084059.....179	91084224.....437	91094027.....335
91083365.....415	91084060.....179	91084225.....437	91094028.....335, 355
91083367.....73	91084061.....179	91084226.....437	91094029.....335, 355
91083368.....73	91084062.....179	91084227.....319, 439	91094030.....335
91083371...417, 453, 455	91084063.....179	91084228.....319, 439	91094031.....335
91083372.....417, 455	91084064.....179	91084240.....215	91094032.....335
91083374...417, 453, 455	91084065.....179	91084268.....215	91094033.....335
91083375...417, 453, 455	91084066.....179	91084282.....193	91094034.....335
91083376.....427, 429	91084067.....179	91084284.....351	91094035.....335
91083378.....426, 429	91084068.....179	91084285.....351	91094037.....335
91083380...417, 453, 455	91084069.....179	91084286.....351	91094038.....335
91083385.....189	91084070.....179	91084287.....351	91094039.....335
91083392.....426, 429	91084071.....179	91084288.....351	91094040.....335
91083393.....193	91084072.....179	91084289.....351	91111002.....465
91083398.....475, 491	91084073.....179	91084290.....351	91113003.....365
91083399.....475, 491	91084074.....179	91084291.....351	91120003.....20, 24, 481
91083400.....476, 492	91084075.....179	91084293.....351	91120004.....19, 23, 481
91083403.....96, 100	91084076.....179	91084294.....351	91121017.....307, 465
91083404.....104, 108	91084077.....179	91084298.....351	91121079.....43
91083418..115, 119, 123, 253, 255, 257	91084078.....179	91084299.....351	91121082.....39, 41
91083427.....151	91084079.....179	91084300.....351	91121083.....39, 41
91083428.....387	91084081.....180	91084302.....351	91121091.....20, 23, 481
91083429.....469	91084082.....179	91084303.....351	91121134..271, 400, 412, 422, 462
91083430.....469	91084083.....179	91084316.....339, 343	91121139.....412
91083434.....429	91084084.....179	91084317.....343	91121145...404, 408, 495
91083449.....259, 263	91084085.....179	91084319.....343	91121146..404, 408, 476, 492, 495
91083450.....429	91084086.....179	91084320.....343	91121150.....465
91083456...115, 119, 124	91084087.....179	91084321.....343	91121151.....475, 491
91083480.....27, 29	91084088.....179	91084322.....343	91121159.....400
91083483.....459	91084089.....179	91084323.....343	91121186.....476, 492
91083490.....434	91084090.....179	91084325.....343	91121187.....476, 492
91083491.....131, 215	91084091.....179	91084326.....343	91121193.....476, 492
91083492.....387, 389	91084092.....179	91084327.....343	91121210.....199
91083493.....97, 101	91084095.....180	91084328.....343	91121216.....476, 492
91083494.....387	91084097.....180	91084329.....343	91121239.....20, 23, 481
91083497.....387	91084098.....180	91084331.....343	91121240.....19, 23, 481
91083501.....129	91084099.....180	91084332.....343	91123018.....43
91083503...115, 119, 123	91084103.....180	91084345.....215	91123019.....39, 41
91083504...116, 119, 123	91084104.....180	91084354.....180	91123021.....39
91083509.....387	91084106.....171	91084355.....180	91123027.....20, 23, 479, 481
91083510.....387	91084107.....171	91084356.....180	91123028.....19, 23, 479, 481
91083518.....331	91084109.....171	91084357.....180	91123029.....20, 23, 479, 481
91083533.....12, 16	91084112.....171	91084359.....193	91123030.....19, 23, 479, 481
91083535.....400	91084113.....171	91084360.....180	91123031.....20, 24, 482
91083560.....151, 153	91084114.....171	91084362.....351	91123037.....391, 393
91084001.....95, 99, 103, 107, 111, 123	91084126.....171	91084363.....351	91123038.....391, 393
91084022.....329, 331	91084132.....339	91085016.....127, 129	91123042.....391, 393
91084032.....340, 343	91084136.....347	91085053.....95, 103	91123043.....391, 393
91084038.....339, 343	91084162..116, 120, 124	91085056.....73	91123044.....391, 393
91084039.....339, 343	91084176.....437	91085057.....426, 429	91123045.....391, 393
91084042.....313, 315	91084184.....437	91085058.....65	91123050.....413, 423
91084043.....313, 315	91084185.....437	91085071.....434	91123051.....413
91084045.....167	91084186.....437	91085073.....469	91123054..271, 400, 412, 422, 462
91084046.....165, 167	91084187.....437	91085091.....45	91123062...193, 413, 423
91084047.....165, 167	91084188.....437	91086089.....193, 381	91123065..404, 408, 475, 491, 495
91084048.....167	91084189.....437	91086090.....195, 203	
91084049.....167	91084194.....441	91086115.....426, 429	
91084050.....167	91084195.....353	91086119.....73	
91084051.....167	91084196.....353	91086121.....65	
91084052.....167	91084211.....169	91086122.....65, 67	
91084053.....179	91084212.....169	91086130..115, 119, 123	
91084054.....179	91084213.....169	91086131..115, 119, 123	
	91084219.....437	91086151.....45	
	91084220.....437	91086152.....45	

SECTION 12 - OPTIONAL EQUIPMENT

91123089 .. 287, 289, 291, 293, 295	91141222 .. 229, 233, 329	91143030.....96, 100, 105, 109, 112	91143130 374
91123092 259, 263	91141224 419	91143031.....97, 101, 103, 107, 112	91143131... 96, 100, 105, 109, 112
91123105 434	91141231 133, 135	91143032.....96, 100, 103, 107, 112	91143133 329, 331
91123124 11, 15	91141235 281, 465	91143033.....267	91143134 215
91123125 427, 429	91141254 11, 15	91143034.....267	91143135 329
91123126 217	91141256 .. 476, 492, 495	91143035.....269	91143137 374
91123127 159, 161	91141257 .. 476, 492, 495	91143036.....269	91143138 374
91123130 159, 161	91141258 404	91143037.....271	91143139 133, 135
91123131 313	91141259 .. 405, 408, 495	91143038.....271	91143140 323
91123132 91	91141260 465	91143039.....413, 422	91143141.. 203, 207, 412
91123176 455, 459	91141261 465	91143040.....413, 422	91143143... 96, 100, 104, 108, 229, 233, 237
91124087 301, 443	91141262 465	91143041.....449	91143144 329, 331
91124093 215	91141265 . 404, 408, 476, 492	91143043....96, 100, 104, 108	91143145 400, 462
91124096 .. 303, 305, 443	91141266 405, 409	91143045.....133, 135	91143146 434
91124107 11, 15	91141301 37	91143047.....311	91143147 434
91124110 177	91141302 37, 39, 41	91143048.....309	91143148 11, 15
91124111 177	91141303 37, 39, 41	91143049.....351	91143150 12
91124112 177	91141316 299	91143050.....337	91143151 387, 389
91124125 ... 97, 101, 105, 109, 112	91141317 95, 99, 104, 108	91143051.....12, 16	91143155 465
91125002 189	91141322 133, 135	91143054..116, 253, 255, 259	91143157 260
91125003 189	91141329 12, 16	91143055.....95, 99, 253, 255, 259	91143158 259
91125055 495	91141331 434	91143058..230, 234, 238, 241, 245, 467	91143160 329
91125101 455	91141332 426, 429	91143060...241, 245, 249	91143161 367
91126023 413, 423	91141341 471	91143061.....329	91143162 387, 389
91126024 413	91141342 471	91143062.....283	91143163.. 417, 453, 457
91126025 413, 422	91141350 . 69, 75, 80, 85, 87	91143063.....283	91143164.. 417, 453, 455
91126026 422	91141358 43	91143064.....283	91143166 391, 393
91126027 413, 422	91141359 43	91143083.....291	91143167 391, 393
91126032 412	91141364 .. 404, 408, 495	91143086.....329	91143168 37, 39, 41
91126040 434	91141374 426, 430	91143087....96, 100, 104, 108, 229, 233, 237	91143169 163
91140001 11, 15	91141385 475	91143090.....429, 471	91143171 205, 223
91141048 12, 16	91141390 475	91143099..115, 120, 124, 383	91143172 . 159, 161, 221, 229, 233, 237, 329, 331
91141056 39	91141394 475, 491	91143101.....379	91143173 347
91141057 39	91141424 19, 23, 479, 481	91143105.....412	91143174 103, 107
91141058 39	91141429 383	91143107.....413	91143175.. 229, 233, 237
91141062 39	91141432 369	91143108..404, 408, 417, 426, 429, 453, 455, 471, 476, 492, 495	91143176... 96, 100, 103, 107, 112, 229, 233, 237
91141078 43	91141435 426, 429	91143109.....43	91143177 ... 96, 100, 253, 255
91141102 133, 135	91141459 135	91143112.....95, 99	91143178 329, 331
91141103 133, 135	91141485 123	91143113.....307	91143179 329, 331
91141104 133	91141506 165	91143114.....374, 377	91143180 333
91141120 43	91141511 381	91143117..404, 408, 475, 492, 495	91143181 387
91141121 43	91141513 291	91143118.....199, 205	91143182 387, 389
91141122 37	91143001 287	91143119.....165	91143183... 97, 101, 103, 107, 112, 229, 233, 237
91141123 291	91143002 297	91143120.....387, 389	91143184... 96, 100, 103, 107, 112, 229, 233, 237
91141124 291	91143003 293	91143121.....95, 99, 104, 108, 111, 229, 233, 237	91143185... 97, 101, 112, 229, 233, 237
91141126 293, 295	91143004 339	91143122..116, 119, 123, 257	91143186 295
91141144 412, 422	91143005 353	91143124..115, 119, 123, 383	91143187 434
91141145 329	91143006 299	91143125.....139	91143190 426, 429
91141148 43	91143007 259	91143126...139, 141, 143	91143191 193, 381
91141152 43	91143009 259	91143127.....374, 377	91143192.... 95, 99, 104, 108
91141158 291	91143011 259	91143128.....374, 377	91143193 203, 207
91141172 281, 465	91143013 ... 96, 100, 103, 107, 112	91143129.....374	91143196 471
91141182 . 404, 408, 475, 491	91143014 301		91143197 471
91141183 . 404, 408, 475, 491	91143016 325		91143200 .. 209, 213, 225
91141193 379	91143017 215		91143201 315
91141194 400	91143022 215		91143202 457, 459
91141197 . 404, 408, 475, 492, 495	91143024 271		91143209 63
91141198 11, 15	91143025 43		91143210 .. 405, 408, 495
91141210 271, 422	91143026 43		
91141211 11, 15	91143027 43		
91141217 11, 15	91143028 133		
91141218 11, 15	91143029 133, 135		

SECTION 12 - OPTIONAL EQUIPMENT

91143212.....	69	91144018.....	291	91144107.....	353	91144196.....	199
91143214.....	289	91144019.....	291	91144108.....	353	91144197.....	199, 201
91143218.....	331	91144020.....	291	91144109.....	353	91144198.....	199
91143220.....	427, 429	91144021.....	291	91144110.....	353	91144199.....	347
91143221.....	374	91144023.....	287, 289	91144111.....	353	91144200.....	347
91143226.....	475, 491	91144024.....	287, 289, 293, 297, 309	91144113.....	353	91144201.....	347
91143227.....	374			91144114.....	353	91144202.....	347
91143251.....	43	91144025.....	287, 289	91144125.....	295, 443	91144203.....	87
91143270.....	404, 408	91144026.....	297	91144126.....	295	91144204.....	87
91143273.....	250	91144027.....	297	91144127.....	295	91144205.....	87
91143274.....	369	91144028.....	297	91144128.....	295, 303, 305	91144206.....	87
91143275.....	73	91144029.....	293, 295	91144130.....	367	91144207.....	87
91143276.....	73	91144030.....	293, 295	91144131.....	367	91144208.....	87
91143277.....	73	91144031.....	293	91144132.....	367	91144209.....	87
91143280.....	389	91144032.....	299	91144133.....	367	91144210.....	87
91143281.....	389	91144033.....	299	91144134.....	367	91144211.....	87
91143282.....	70, 76, 80, 389	91144034.....	299	91144136.....	367	91144212.....	87
91143283.....	389	91144035.....	299	91144137.....	367	91144213.....	87
91143284.....	389	91144037.....	301, 303, 305	91144138.....	367	91144214.....	87
91143285.....	389	91144038.....	301, 303, 305, 443	91144139.....	367	91144215.....	87
91143286.....	389			91144140.....	367	91144216.....	87
91143287.....	389	91144039.....	301, 303, 305, 443	91144149.....	333	91144217.....	87
91143288.....	387, 389			91144150.....	333	91144219.....	87
91143289.....	389	91144040.....	301, 303, 305, 443	91144151.....	333	91144220.....	87
91143290.....	393			91144152.....	333	91144221.....	87
91143292.....	387, 389	91144041.....	301	91144153.....	333	91144222.....	87
91143302.....	111	91144048.....	179	91144154.....	175	91144223.....	87
91143306.....	16, 387, 389	91144049.....	179	91144155.....	175	91144224.....	87
91143308.....	153	91144052.....	180	91144156.....	179	91144225.....	87
91143314.....	123	91144053.....	180	91144157.....	333	91144226.....	87
91143315.....	111	91144056.....	175	91144158.....	317	91144227.....	87
91143316.....	131	91144057.....	175	91144159.....	317	91144228.....	87
91143317.....	65, 67	91144058.....	175	91144160.....	169	91144229.....	88
91143328.....	135	91144059.....	175	91144161.....	325	91144230.....	88
91143329.....	111	91144060.....	175	91144162.....	325, 449	91144231.....	88
91143331.....	377	91144061.....	175	91144163.....	326, 450	91144232.....	88
91143338.....	369	91144062.....	311	91144164.....	325, 449	91144233.....	88
91143342.....	201	91144063.....	311	91144165.....	325, 449	91144234.....	88
91143344.....	111	91144064.....	311	91144166.....	325, 449	91144235.....	88
91143345.....	111	91144065.....	311	91144167.....	325, 449	91144236.....	88
91143349.....	211, 217, 381	91144066.....	311	91144168.....	337	91144237.....	88
91143352.....	143	91144067.....	311	91144169.....	337	91144238.....	88
91143357.....	15	91144068.....	311	91144170.....	337	91144239.....	88
91143361.....	429	91144069.....	311	91144171.....	337	91144240.....	88
91143362.....	459	91144070.....	311	91144172.....	337	91144241.....	88
91143363.....	476	91144071.....	311	91144173.....	337	91144242.....	88
91143373.....	412	91144072.....	311	91144174.....	337	91144243.....	88
91144002.....	96, 100	91144085.....	339	91144175.....	187	91144244.....	88
91144003.....	291	91144086.....	339	91144176.....	187	91144245.....	88
91144004.....	287, 289, 293, 297, 309	91144087.....	339	91144177.....	187	91144246.....	88
91144005.....	299	91144088.....	340	91144178.....	187	91144247.....	88
91144006.....	301, 303, 305, 443	91144089.....	339	91144179.....	187	91144248.....	333, 335
91144007.....	307	91144092.....	340	91144180.....	187	91144249.....	295
91144008.....	133, 135	91144093.....	339, 343	91144181.....	187	91144250.....	325, 449
91144009.....	351	91144094.....	339, 343	91144182.....	187	91144251.....	326, 450
91144010.....	351	91144095.....	339, 343	91144183.....	187	91144252.....	325, 449
91144011.....	351	91144096.....	339	91144184.....	187	91144254.....	325, 423, 449
91144012.....	351	91144097.....	339	91144185.....	187	91144255.....	325, 449
91144013.....	351	91144098.....	340, 343	91144186.....	187	91144256.....	325, 449
91144014.....	351	91144099.....	340, 343	91144187.....	187	91144257.....	325, 449
91144015.....	351	91144100.....	353	91144188.....	187	91144258.....	325, 449
91144016.....	291	91144101.....	353	91144189.....	187	91144259.....	325, 449
91144017.....	287, 289, 291, 293, 295, 297, 299, 301, 307, 309	91144102.....	353	91144190.....	215, 217	91144260.....	325, 449
		91144103.....	353	91144191.....	215, 217	91144261.....	325, 449
		91144104.....	353	91144192.....	215, 217	91144262.....	325, 449
		91144105.....	353	91144193.....	449	91144263.....	325, 449
		91144106.....	353	91144194.....	325, 423, 450	91144264.....	325, 449

SECTION 12 - OPTIONAL EQUIPMENT

91144265	325, 449	91144390	183	91145057	457	91146112	479
91144266	326, 450	91144391	183	91145059	462	91146130	203
91144267	301	91144392	183	91145066	467	91146131	207, 211
91144268	339	91144393	183	91145067	369	91151002	139, 141, 143
91144326	165	91144394	183	91145096	429	91151003	141
91144327	165	91144395	183	91145097	459	91151004	400
91144328	165	91144396	183	91145098	408	91151006	400
91144329	165	91144397	183	91145100	475	91151007	453
91144331	165	91144398	183	91145101	471	91151023	491
91144332	165	91144399	183	91145103	203, 205	91151024	491
91144333	173	91144400	183	91145104	207, 209, 211,	91151025	491
91144334	173	91144401	183	213		91151026	491
91144335	173	91144402	183	91145116	434	91151032	492
91144336	173	91144403	183	91145117	103, 107, 119	91153001	103, 107
91144337	173	91144404	183	91145119	161	91153002	387, 389
91144338	173	91144405	183	91145126	95, 115	91153005	141, 143
91144339	173	91144406	184	91145129	329, 331	91153006	147, 149
91144340	173	91144407	184	91145130	165	91153007	141, 143
91144341	173	91144408	184	91145131	135	91153009	391, 393
91144342	173	91144410	340, 343	91145132	111, 123	91153010	391, 393
91144343	173	91144411	340, 343	91145133	389, 393	91153011	141
91144344	173	91144412	340, 343	91145134	479	91153012	133, 135
91144345	173	91144413	343	91145135	479	91153013	65, 67
91144346	173	91144414	355	91145136	479	91153015	63
91144347	173	91144415	355	91145139	157	91153016	69
91144348	173	91144416	355	91145140	159	91153021	143
91144349	173	91144417	355	91146001	11, 15	91153031	131
91144350	173	91144418	355	91146009	19	91153034	387, 389
91144351	173	91144419	355	91146012	11, 15	91153045	387, 389
91144352	173	91144420	355	91146014	37	91154001	99, 107, 111,
91144353	173	91144421	355	91146015	39	123, 147, 149	
91144354	173	91144422	355	91146016	41, 45	91154002	309
91144355	173	91144423	355	91146018	39, 43	91154003	309
91144356	173	91144424	355	91146021	95, 99, 103,	91154004	309
91144357	173	91144425	355	107, 112		91154005	147, 149
91144358	173	91144431	201	91146023	43	91154006	367
91144359	173	91144432	201	91146025	43	91154007	367
91144360	173	91144433	201	91146026	43	91154043	307
91144361	173	91144440	400	91146028	271, 400	91154044	307
91144362	173	91144442	177	91146031	465	91154045	307
91144363	173	91144447	215	91146037	115, 119, 123,	91154046	307
91144364	173	91144448	217	151, 153		91154047	307
91144365	173	91144449	75	91146038	11	91154048	307
91144366	173	91144458	217	91146042	419	91155002	99, 115
91144367	173	91144474	351	91146043	419	91155003	400
91144368	173	91144475	351	91146047	279	91155004	453
91144369	177	91144479	287	91146048	11	91155005	457
91144370	177	91144481	333	91146049	11	91155006	103, 107, 119
91144371	177	91145013	133	91146050	11, 15	91155016	131
91144372	177	91145018	400	91146052	287, 289	91155024	491
91144373	177	91145021	404	91146053	69, 75, 80, 85,	91155033	389, 393
91144374	177	91145022	412	87		91155037	387, 391
91144375	177	91145023	465	91146054	69, 75, 80, 85,	91155040	111, 123
91144376	177	91145030	215	87		91156001	11, 15
91144377	177	91145031	374	91146056	111, 115, 119,	91156008	491
91144378	177	91145032	415	124		91161066	24
91144379	177	91145033	417	91146058	115, 119, 123	91161067	24
91144380	177	91145034	417, 453, 455	91146059	197, 207, 211	91161068	24
91144381	177	91145035	417, 453, 455	91146060	11	91161210	237, 331
91144382	183	91145036	419	91146061	475	91161310	112
91144383	183	91145037	387, 391	91146062	476, 492	91161313	111
91144384	183	91145042	481	91146071	12, 16	91163012	217
91144385	183	91145047	422	91146072	12, 16	91163023	355
91144386	183	91145050	426	91146087	369	91163028	389
91144387	183	91145051	43	91146101	112	91163041	264
91144388	183	91145052	43	91146109	15	91163042	263
91144389	183	91145054	422	91146111	479	91163044	335

SECTION 12 - OPTIONAL EQUIPMENT

91163048.....343	91164018..... 303, 305	91303038 434	91364017.....485
91163052.....263	91164019 443	91303041 434	91364018.....485
91163053.....263	91164020 443	91303047 387, 389	91364019.....485
91163054.....264	91164021 443	91303064 84	91364020.....485
91163055.....263	91164022 443	91303067 429	91364021.....485
91163069.....264	91164024 443	91304026 349	91364022.....485
91163090.....303	91164025 443	91305016 67	91365008.....111, 123
91163093.....211	91164026 303	91305021 84	91365045.. 404, 408, 475,
91163122..104, 108, 111,	91164027 305	91306030 67, 85	491, 495
263	91164098 343	91306032 84	91366002.....15
91163129...139, 141, 143	91165020 99, 107	91341029 37	91366004.....15
91163130.....387, 389	91166012 23, 481	91341031 43	91366005.....15
91163133.....263	91166040 287	91343053 76	91366015.....412
91163134.....263	91166055 23, 264, 481	91343212 412, 422	91403413..59, 65, 67, 69,
91163137.....139	91166056 23, 264, 481	91343213 412, 422	73, 76, 79
91163138..59, 63, 65, 67,	91166062 289	91343215 422	91403414..59, 63, 65, 67,
69, 73, 76, 79, 400,	91166063 20, 24, 482	91344048 ... 96, 100, 103,	69, 73, 76, 79
412, 422	91166068.. 412, 422, 462	107	91403448.....59
91163139..59, 65, 67, 69,	91203039 412	91344049 ... 96, 100, 103,	91404326.....349
73, 76, 79, 400, 412,	91204190 75	107	91404327.....349
422	91204368 87	91345026 75	91404384.....357
91163141.....331	91204400 87	91346011 412	91411073..... 69, 75, 79
91163178.....305	91204468 443	91363009 409, 476	91504028.....349
91163190.....467	91204469 443	91363025 217	91504029.....349
91163191.....467	91204563 87	91364004 377	91551037.....412, 422
91163201..120, 124, 257,	91213002 264	91364005 377	91554034.....305
263	91233012 11, 15	91364006 377	91554035.....305
91163259.....199	91301083 67, 85	91364007 377	H0453002 91
91163260.....111	91303019 434	91364008 377	
91163269.....91	91303021 11, 15	91364015 485	
91164017.....335	91303037 349	91364016 485	



An Oshkosh Corporation Company

Corporate Office
JLG Industries, Inc.
1 JLG Drive
McConnellsburg PA. 17233-9533
USA

☎ (717) 485-5161
📠 (717) 485-6417

JLG Worldwide Locations

JLG Industries (Australia)
P.O. Box 5119
11 Bolwarra Road
Port Macquarie
N.S.W. 2444
Australia
☎ +61 2 65 811111
📠 +61 2 65 813058

JLG Latino Americana Ltda.
Rua Eng. Carlos Stevenson,
80-Suite 71
13092-310 Cam inas-SP
Brazil
☎ +55 19 3295 0407
📠 +55 19 3295 1025

JLG Industries (UK) Ltd
Bentley House
Bentley Avenue
Middleton
Greater Manchester
M24 2GP - England
☎ +44 (0)161 654 1000
📠 +44 (0)161 654 1001

JLG France SAS
Z.I. de Baulieu
47400 Fauillet
France
☎ +33 (0)5 53 88 31 70
📠 +33 (0)5 53 88 31 79

JLG Deutschland GmbH
Max-Planck-Str. 21
D - 27721 Ritterhude - Ihlpohl
Germany
☎ +49 (0)421 69 350 20
📠 +49 (0)421 69 350 45

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
20010 Pregnana Milanese - MI
Italy
☎ +39 029 359 5210
📠 +39 029 359 5845

Oshkosh-JLG Singapore
Technology Equipment Pte Ltd
29 Tuas Ave 4,
Jurong Industrial Estate
Singapore, 639379
☎ +65-6591 9030
📠 +65-6591 9031

Oshkosh-JLG (Tianjin) Equipment
Technology, Ltd
Pudong Kerry Parkside
Room 3705
1155 Fang Dian Road
Pudong, Shanghai 201204
China
☎ +0086 21 60311575
📠 +0086 21 60311599

Plataformas Elevadoras
JLG Iberica, S.L.
Trapadella, 2
P.I. Castellbisbal Sur
08755 Castellbisbal, Barcelona
Spain
☎ +34 93 772 4700
📠 +34 93 771 1762

JLG Sverige AB
Enkopingsvagen 150
Box 704
SE - 176 27 Jarfalla
Sweden
☎ +46 (0)850 659 500
📠 +46 (0)850 659 534

www.jlg.com