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# ***Illustrated Parts Manual***

## ***Models G5-18A 2505***

Prior to SN 0160053000 excluding  
0160051045, 0160051047  
0160051049, 0160051194 &  
0160051359

**31200360**

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October 23, 2018 - Rev N





## EFFECTIVITY PAGE

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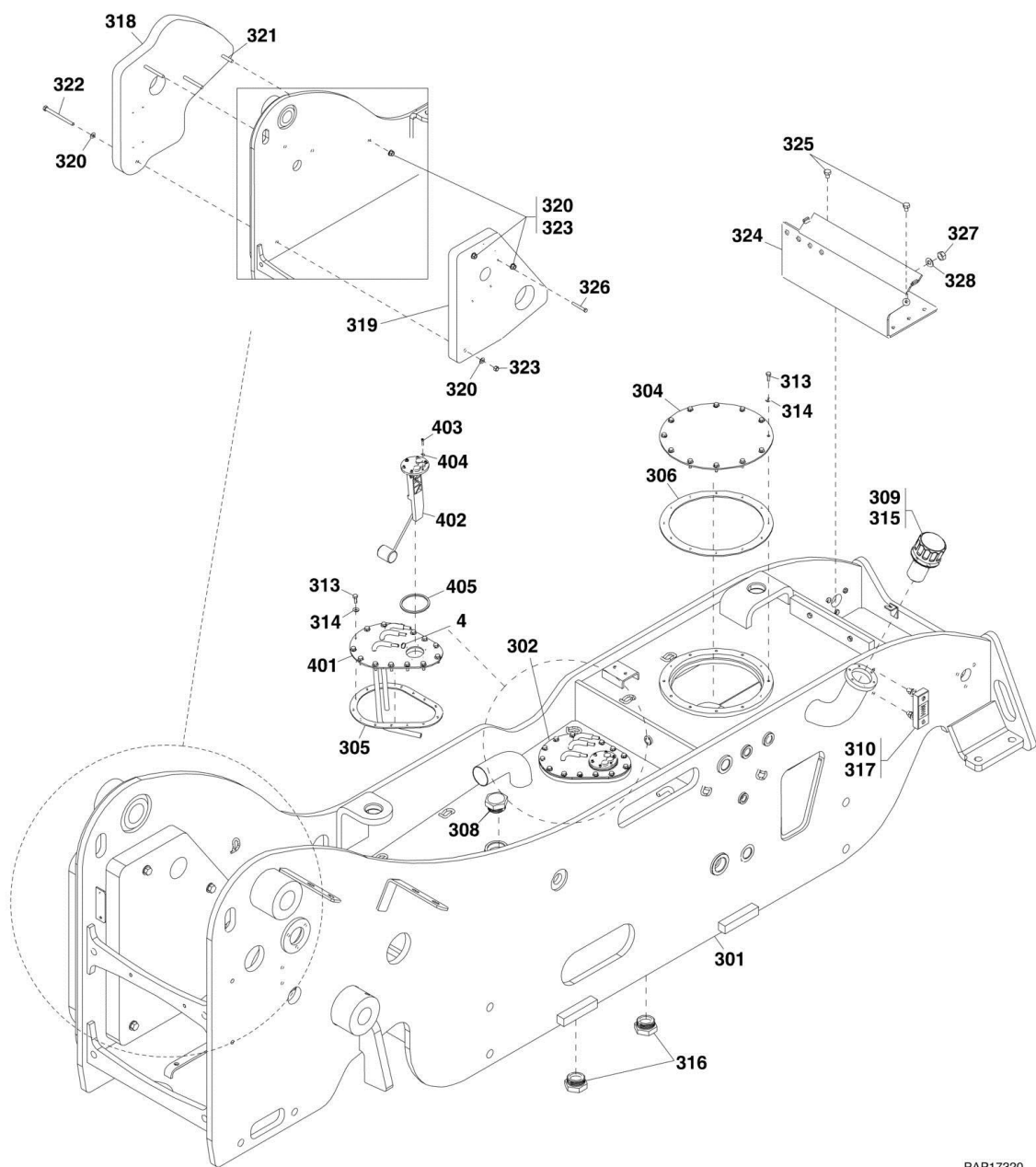


## **SECTION 1 - FRAME AND ATTACHING PARTS**

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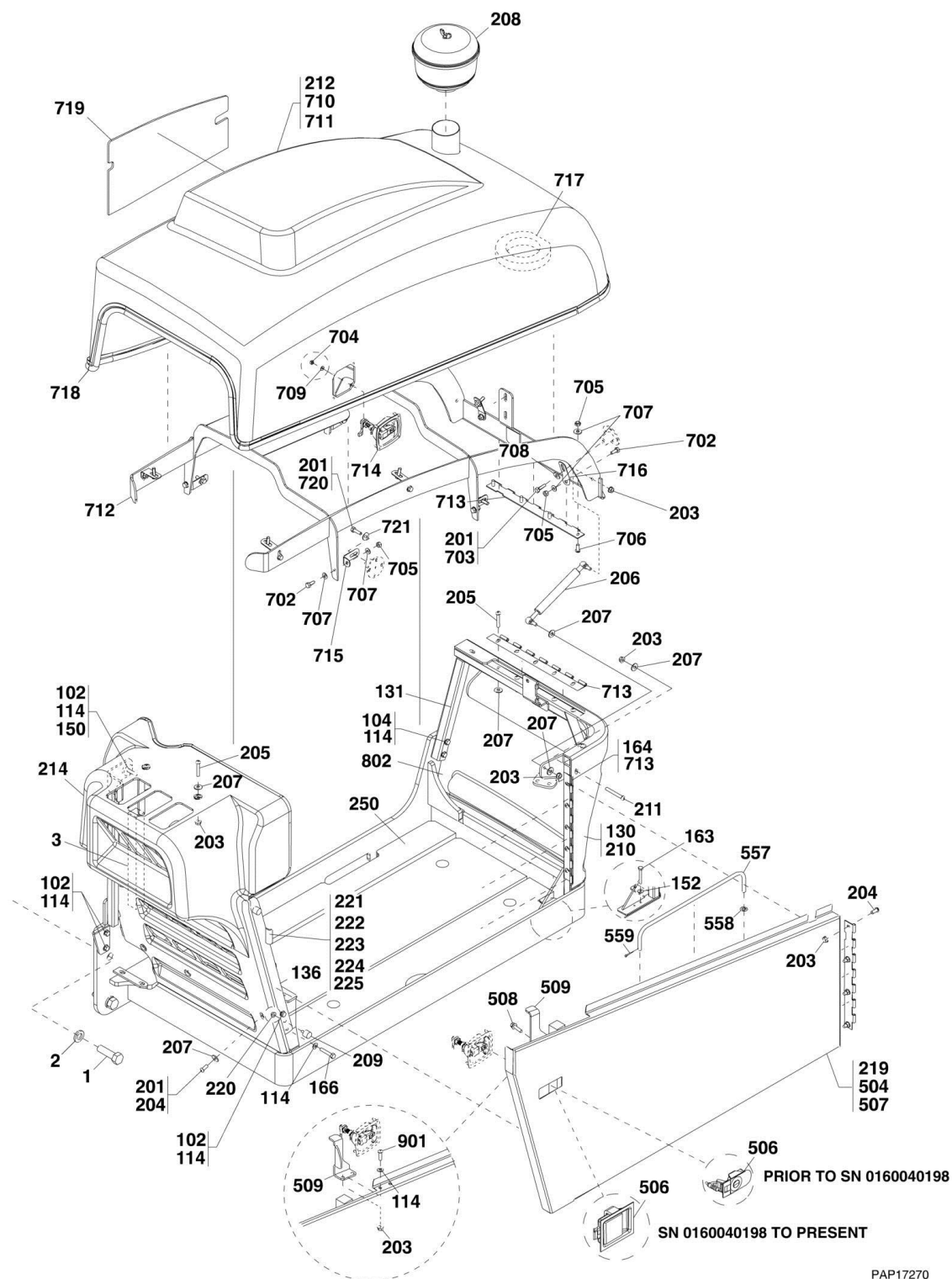
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME SHROUDING AND ATTACHING PARTS



PAP17320

## SECTION 1 - FRAME AND ATTACHING PARTS



## SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME SHROUDING AND ATTACHING PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001098514  | Ref | ENGINE POD INSTALLATION, (not available to order, see items 1 thru 4 for service)                                          | D   |
| 1    | 0682220     | 4   | HEX HD CAPSCREW, 3/4-10X2-1/2, GR8                                                                                         |     |
| 2    | 4892200     | 4   | WASHER, 3/4                                                                                                                |     |
| 3    | 1001097360  | 1   | FOAM GASKET SEAL                                                                                                           |     |
| 4    | 8410013     | 3   | HOSE CLAMP                                                                                                                 |     |
| 102  | 0641506     | 3   | HEX HD CAPSCREW, 5/16-18X3/4, GR5                                                                                          |     |
| 104  | 0641514     | 2   | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5                                                                                        |     |
| 114  | 4711500     | 11  | WASHER, 5/16 <b>(Prior to SN 0160035834)</b>                                                                               |     |
| 114  | 4700500     | 9   | WASHER, 5/16 <b>(SN 0160035834 to Present)</b>                                                                             |     |
| 130  | 1001080780  | 1   | ENGINE POD FRAME                                                                                                           |     |
| 131  | 1001080791  | 1   | HOOD SUPPORT                                                                                                               |     |
| 136  | 1001126233  | 1   | REAR ENGINE MOUNT                                                                                                          |     |
| 150  | 1001081036  | 1   | WASHER, 0.375X1.25                                                                                                         |     |
| 152  | 4711400     | 3   | WASHER, 1/4                                                                                                                |     |
| 163  | 0641406     | 3   | HEX HD CAPSCREW, 1/4-20X3/4, GR5                                                                                           |     |
| 164  | 3900272     | 5   | BUTTON HD SCREW, 5/16-18X1-3/4                                                                                             |     |
| 166  | 0641508     | 2   | HEX HD CAPSCREW, 5/16-18X1                                                                                                 |     |
|      | 1001103075  | Ref | HOOD INSTALLATION, (G5-18A - ANSI), (not available to order, see items 201 thru 225 for service)                           | B   |
|      | 1001081433  | Ref | HOOD INSTALLATION, (G5-18A - ANSI), (Agricultural), (not available to order, see items 201 thru 225 for service)           | B   |
|      | 1001103077  | Ref | HOOD INSTALLATION, (2505 - CE and AUS), (not available to order, see items 201 thru 225 & 250 for service)                 | C   |
|      | 1001081440  | Ref | HOOD INSTALLATION, (2505 - CE and AUS), (Agricultural), (not available to order, see items 201 thru 225 & 250 for service) | C   |
| 201  | 0100011     | AR  | LOCTITE 242                                                                                                                |     |
| 203  | 8305626     | 11  | HEX LOCKNUT, 5/16-18 <b>(Prior to SN 0160035834)</b>                                                                       |     |
| 203  | 8305626     | 9   | HEX LOCKNUT, 5/16-18 <b>(SN 0160035834 to Present)</b>                                                                     |     |
| 204  | 0630468     | 7   | BUTTON HD SCREW, 5/16-18X3/4                                                                                               |     |
| 205  | 1001108191  | 15  | BUTTON HD SCREW, 5/16-18X1-3/4                                                                                             |     |
| 206  | 1001081414  | 1   | GAS SPRING                                                                                                                 |     |
| 207  | 1001108180  | 10  | WASHER, 5/16                                                                                                               |     |
| 208  | 1001062773  | 1   | PRE-CLEANER                                                                                                                |     |
| 209  | 1001096180  | 2   | RUBBER BUMPER                                                                                                              |     |
| 210  | 1001081262  | 1   | FRONT ENGINE COVER, (G5-18A)                                                                                               |     |
| 210  | 1001081264  | 1   | FRONT ENGINE COVER, (2505)                                                                                                 |     |
| 211  | 1001108243  | 1   | BUTTON HD SCREW, 5/16-18X2-1/2                                                                                             |     |
| 212  | 1001081267  | 1   | ENGINE HOOD, (G5-18A), (includes items 201, 702 thru 709 & 711 thru 721)                                                   | H   |
| 212  | 1001081252  | 1   | ENGINE HOOD, (2505), (includes items 201 & 702 thru 718, 720 & 721)                                                        | H   |
| 214  |             | Ref | REAR ENGINE COVER, (See REAR ENGINE COVER for Breakdown)                                                                   |     |
| 219  | 1001081190  | 1   | ENGINE DOOR, (includes 2 of items 114 & 203 & items 504, 506, 509 & 901) <b>(Prior to SN 0160035834)</b>                   | B   |
| 219  | 1001081254  | 1   | ENGINE DOOR, (includes items 504, 506, 508 & 509) <b>(G5-18A SN 0160035834 through 0160040158)</b>                         | E   |
| 219  | 1001126034  | 1   | ENGINE DOOR, (includes items 504, 506, 508 & 509) <b>(G5-18A SN 0160040198 to Present)</b>                                 | B   |
| 219  | 1001081256  | 1   | ENGINE DOOR, (includes items 504 thru 509) <b>(2505 SN 0160035834 through 0160038061)</b>                                  | E   |



## SECTION 1 - FRAME AND ATTACHING PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                  | REV  |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------|------|
| 219  | 1001126036  | 1   | ENGINE DOOR, (includes items 504 thru 509) <b>(2505 SN 0160040198 to Present)</b>                                            | B    |
| 220  | 3311408     | 2   | NUT, 1/4-20, GR2                                                                                                             |      |
| 221  | 1001125107  | 1   | LATCH CATCH BRACKET                                                                                                          |      |
| 222  | 3311405     | 2   | NUT, 1/4-20                                                                                                                  |      |
| 223  | 8310725     | 2   | BUTTON HD SCREW, 1/4-20X1-1/4                                                                                                |      |
| 224  | 4711400     | 4   | WASHER, 1/4                                                                                                                  |      |
| 225  | 1001138655  | 5   | DOOR LATCH SHIM                                                                                                              |      |
| 250  |             | Ref | ENGINE POD TRAY INSULATION INSTALLATION, (not shown),<br>(See ENGINE POD INSULATION for Breakdown)                           |      |
|      | 1001130200  | Ref | FRAME COMPONENT INSTALLATION, (not available to order, see items 301 thru 326 for service) <b>(Prior to SN 0160046397)</b>   | D, 4 |
|      | 1001136913  | Ref | FRAME COMPONENT INSTALLATION, (not available to order, see items 301 thru 328 for service) <b>(SN 0160046397 to Present)</b> | B    |
| 301  | N.S.S.      | 1   | FRAME WELDMENT                                                                                                               |      |
| 302  | 1001080196  | 1   | FUEL TANK COVER ASSY, (includes items 401 thru 405)                                                                          | E    |
| 304  | 1001080091  | 1   | HYDRAULIC TANK COVER                                                                                                         |      |
| 305  | 3960622     | 1   | FUEL TANK COVER GASKET                                                                                                       |      |
| 306  | 1001080092  | 1   | HYDRAULIC COVER GASKET                                                                                                       |      |
| 308  | 1001080944  | 1   | PLUG, (includes o-ring)                                                                                                      |      |
| 309  | 1001081070  | 1   | VENTED HYDRAULIC FILLER CAP                                                                                                  |      |
| 310  | 91563136    | 1   | OIL LEVEL INDICATOR                                                                                                          |      |
| 313  | 0681406     | 26  | HEX HD CAPSCREW, 1/4-20X3/4, GR8                                                                                             |      |
| 314  | 4711400     | 26  | WASHER, 1/4                                                                                                                  |      |
| 315  | 1001081363  | 2   | MAGNET                                                                                                                       |      |
| 316  | 2220239     | 2   | PLUG, (includes o-ring)                                                                                                      |      |
| 317  | 0100020     | AR  | PIPE SEALANT                                                                                                                 |      |
| 318  | 1001130289  | 1   | COUNTERWEIGHT, (outside)                                                                                                     |      |
| 319  | 1001130291  | 1   | COUNTERWEIGHT, (inner)                                                                                                       |      |
| 320  | 90027471    | 8   | WASHER, 1/2                                                                                                                  |      |
| 321  | 0641836     | 1   | HEX HD CAPSCREW, 1/2-13X4-1/2, GR5                                                                                           |      |
| 322  | 0641852     | 3   | HEX HD CAPSCREW, 1/2-13X6-1/2, GR5                                                                                           |      |
| 323  | 3271801     | 4   | HEX NUT, 1/2X13, GR8                                                                                                         |      |
| 324  | 1001133671  | 1   | ELECTRICAL COMPONENTS MOUNTING BRACKET                                                                                       |      |
| 325  | 0641403     | 2   | HEX HD CAPSCREW, 1/4-20X3/8, GR5                                                                                             |      |
| 326  | 0641624     | 1   | HEX HD CAPSCREW, 3/8-16X3, GR5                                                                                               |      |
| 327  | 3271601     | 1   | HEX NUT, 3/8X16, GR8                                                                                                         |      |
| 328  | 4751600     | 1   | WASHER, 3/8                                                                                                                  |      |
| 401  | 3380724     | 1   | FUEL TANK COVER                                                                                                              |      |
| 402  | 2420205     | 1   | FUEL GAUGE                                                                                                                   |      |
| 403  | 88212210    | 6   | SOCKET HD CAPSCREW, 6-32X3/4                                                                                                 |      |
| 404  | 4750600     | 6   | WASHER, #6                                                                                                                   |      |
| 405  | 1001080162  | 1   | FUEL LEVEL SENDER GASKET                                                                                                     |      |
| 504  | 1001096153  | 1   | ENGINE COMPARTMENT DOOR <b>(Prior to SN 0160040198)</b>                                                                      |      |
| 504  | 1001126033  | 1   | ENGINE COMPARTMENT DOOR <b>(SN 0160040198 to Present)</b>                                                                    |      |
| 506  | 1001096450  | 1   | COMPRESSION LEVER LATCH <b>(Prior to SN 0160040198)</b>                                                                      |      |
| 506  | 2940045     | 1   | PADDLE LATCH <b>(SN 0160040198 to Present)</b>                                                                               |      |
| 507  |             | Ref | DOOR PANEL INSULATION INSTALLATION, (See ENGINE POD INSULATION for Breakdown)                                                |      |
| 508  | 0791508     | 2   | SCREW, 5/16-18x1                                                                                                             |      |
| 509  | 1001096187  | 1   | HOOD LATCH BRACKET <b>(Prior to SN 0160035834)</b>                                                                           |      |
| 509  | 1001103939  | 1   | HOOD LATCH PLATE <b>(SN 0160035834 to Present)</b>                                                                           |      |

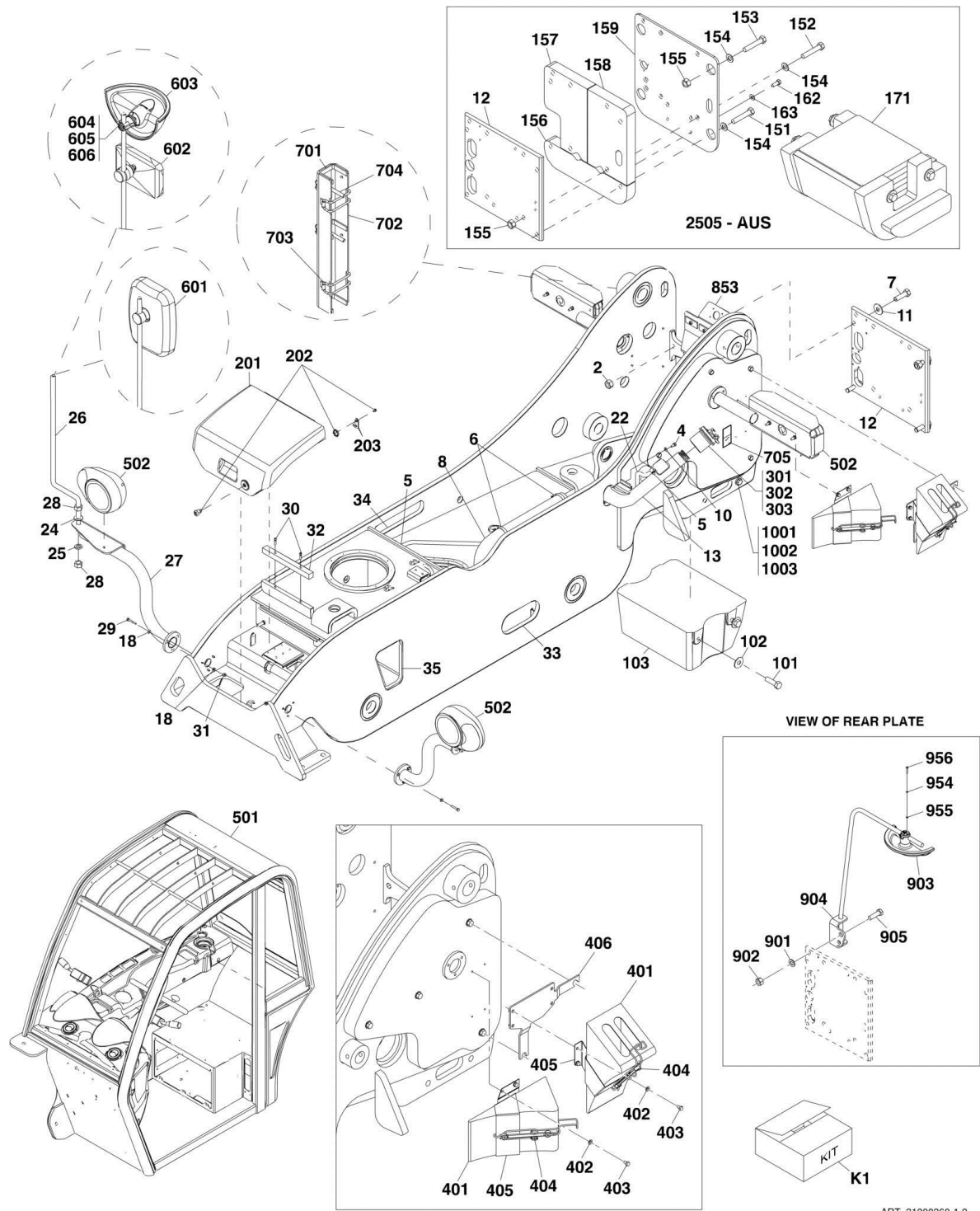
## SECTION 1 - FRAME AND ATTACHING PARTS

| ITEM | PART NUMBER | QTY     | DESCRIPTION                                                                                 | REV |
|------|-------------|---------|---------------------------------------------------------------------------------------------|-----|
| 557  | 1001081096  | 1       | ROD                                                                                         |     |
| 558  | 8310070     | 1       | PUSHNUT                                                                                     |     |
| 559  | 3450303     | 1       | COTTER PIN                                                                                  |     |
| 702  | 0641506     | 9       | HEX HD CAPSCREW, 5/16-18X3/4, GR5                                                           |     |
| 703  | 0641508     | 2       | HEX HD CAPSCREW, 5/16-18X1, GR5                                                             |     |
| 704  | 3290605     | 4       | HEX LOCKNUT, M6X1, GR5                                                                      |     |
| 705  | 3311505     | 13      | HEX LOCKNUT, 5/16-18, GR2                                                                   |     |
| 706  | 3900210     | 4       | BUTTON HD SCREW, 5/16-18X3/4                                                                |     |
| 707  | 4711500     | 22      | WASHER, 5/16                                                                                |     |
| 708  | 4751500     | 2       | WASHER, 5/16                                                                                |     |
| 709  | 4811700     | 4       | WASHER, 6mm                                                                                 |     |
| 710  |             | Ref     | HOOD INSULATION INSTALLATION, (See ENGINE POD INSULATION for Breakdown)                     |     |
| 711  | 1001096142  | 1       | ENGINE COVER                                                                                |     |
| 712  | 1001096144  | 1       | HOOD SUPPORT                                                                                |     |
| 713  | 1001096148  | 2       | CONTINUOUS HINGE                                                                            |     |
| 714  | 1001096152  | 1       | COMPRESSION LATCH                                                                           |     |
| 715  | 1001096697  | 7       | HOOD ATTACH CLIP                                                                            |     |
| 716  | 1001096698  | 2       | HOOD ATTACH CLIP                                                                            |     |
| 717  | 1001096782  | 1       | AIR INTAKE HOOD SEAL                                                                        |     |
| 718  | 1001097160  | 14.8 ft | SELF GRIPPING BULB SEAL                                                                     |     |
| 719  | 1001081419  | 1       | HEAT SHIELD INSULATE                                                                        |     |
| 720  | 0641512     | 7       | HEX HD CAPSCREW, 5/16-18X1-1/2, GR5                                                         |     |
| 721  | 1001145211  | 14      | WASHER, 5/16                                                                                |     |
|      |             | Ref     | FRONT COVER INSTALLATION, (2505), (not available to order, see items 210 & 802 for service) |     |
| 802  |             | Ref     | FRONT COVER INSULATION INSTALLATION, (See ENGINE POD INSULATION for Breakdown)              |     |
| 901  | 0630468     | 2       | BUTTON HD SCREW, 5/16-18X1 <b>(Prior to SN 0160035834)</b>                                  |     |



SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. FRAME COVERS, SHROUDING AND ATTACHING PARTS



ART\_31200360-1-2

## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-2. FRAME COVERS, SHROUDING AND ATTACHING PARTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                            | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 0275491     | Ref | FRAME INSTALLATION, (not available to order, see items 2 thru 35 for service)                                                          | P   |
| 2    | 88501012    | 2   | HEX NUT, 3/4-10                                                                                                                        |     |
| 4    | 0641506     | 2   | HEX HD CAPSCREW, 5/16-18X3/4, GR5                                                                                                      |     |
| 5    | 8405006     | 2   | GEAR CLAMP                                                                                                                             |     |
| 6    | 86883327    | 2   | HOSE CLAMP                                                                                                                             |     |
| 7    | 0682220     | 4   | HEX HD CAPSCREW, 3/4-10X2-1/2, GR8                                                                                                     |     |
| 8    | 1001080086  | 1   | FUEL FILL HOSE                                                                                                                         |     |
| 10   | 4711500     | 2   | WASHER, 5/16                                                                                                                           |     |
| 11   | 4752200     | 4   | WASHER, 3/4                                                                                                                            |     |
| 12   | 1001080171  | 1   | REAR PLATE                                                                                                                             |     |
| 13   | 1001080573  | 1   | FUEL NOZZLE TUBE                                                                                                                       |     |
| 18   | 4891500     | 6   | WASHER, 5/16                                                                                                                           |     |
| 22   | 1001080084  | 1   | HYDRAULIC TANK HOSE                                                                                                                    |     |
| 24   | 4712200     | 1   | WASHER, 3/4                                                                                                                            |     |
| 25   | 4762200     | 1   | LOCKWASHER, 3/4                                                                                                                        |     |
| 26   | 1001081159  | 1   | MIRROR BRACKET                                                                                                                         |     |
| 27   | 1001133822  | 1   | HEADLIGHT BRACKET                                                                                                                      |     |
| 28   | 3272201     | 2   | HEX NUT, 3/4-10, GR8                                                                                                                   |     |
| 29   | 0641514     | 3   | HEX HD CAP SCREW, 5/16-18X1-3/4, GR5                                                                                                   |     |
| 30   | 3931416     | 2   | SOCKET HD CAPSCREW, 1/4-20X1                                                                                                           |     |
| 31   | 3311505     | 3   | LOCKNUT, 5/16-18, GR2                                                                                                                  |     |
| 32   | 1001081185  | 1   | BOOM STOP PAD                                                                                                                          |     |
| 33   | 1001081304  | 1   | SEAL                                                                                                                                   |     |
| 34   | 1001081305  | 1   | SEAL                                                                                                                                   |     |
| 35   | 1001081364  | 2   | GROMMET                                                                                                                                |     |
|      | 1001081106  | Ref | COUNTERWEIGHT INSTALLATION, (G5-18A), (not available to order, see items 101 thru 103 for service)                                     | C   |
|      | 1001081107  | Ref | COUNTERWEIGHT INSTALLATION, (2505 - CE), (not available to order, see items 101 thru 103 for service)                                  | C   |
|      | 1001107711  | Ref | COUNTERWEIGHT INSTALLATION, (2505 - AUS), (not available to order, see items 151 thru 163 for service) <b>(Prior to SN 0160045913)</b> | D   |
| 101  | 1001151086  | 4   | HEX HD CAPSCREW, 3/4-10X2-1/2, GR8                                                                                                     |     |
| 102  | 1001151132  | 4   | WASHER, 3/4                                                                                                                            |     |
| 103  | 1001080861  | 1   | COUNTERWEIGHT, 460 lb, (G5-18A)                                                                                                        |     |
| 103  | 1001081105  | 1   | COUNTERWEIGHT, 129 kg, (2505)                                                                                                          |     |
| 151  | 0682232     | 2   | HEX HD CAPSCREW, 3/4-10X4, GR8                                                                                                         |     |
| 152  | 0682234     | 4   | HEX HD CAPSCREW, 3/4-10X4-1/4, GR8                                                                                                     |     |
| 153  | 0682238     | 2   | HEX HD CAPSCREW, 3/4-10X4-3/4, GR8                                                                                                     |     |
| 154  | 4712200     | 8   | WASHER, 3/4                                                                                                                            |     |
| 155  | 88501012    | 6   | HEX NUT, 3/4-10                                                                                                                        |     |
| 156  | 1001107651  | 1   | BOTTOM WEIGHT, (AUS)                                                                                                                   |     |
| 157  | 1001107652  | 1   | LEFT WEIGHT, (AUS)                                                                                                                     |     |
| 158  | 1001107653  | 1   | RIGHT WEIGHT, (AUS)                                                                                                                    |     |
| 159  | 1001107701  | 1   | REAR WEIGHT, (AUS)                                                                                                                     |     |
| 162  | 0681810     | 2   | HEX HD CAPSCREW, 1/2-13X1-1/4, GR8                                                                                                     |     |
| 163  | 4711800     | 2   | WASHER, 1/2                                                                                                                            |     |
| 171  | 1001137099  | 1   | COUNTERWEIGHT ASSY, (2505 - AUS) <b>(SN 0160045913 to Present)</b>                                                                     | D   |
|      | 1001080090  | Ref | BATTERY COVER INSTALLATION, (not available to order, see                                                                               | D   |

## SECTION 1 - FRAME AND ATTACHING PARTS

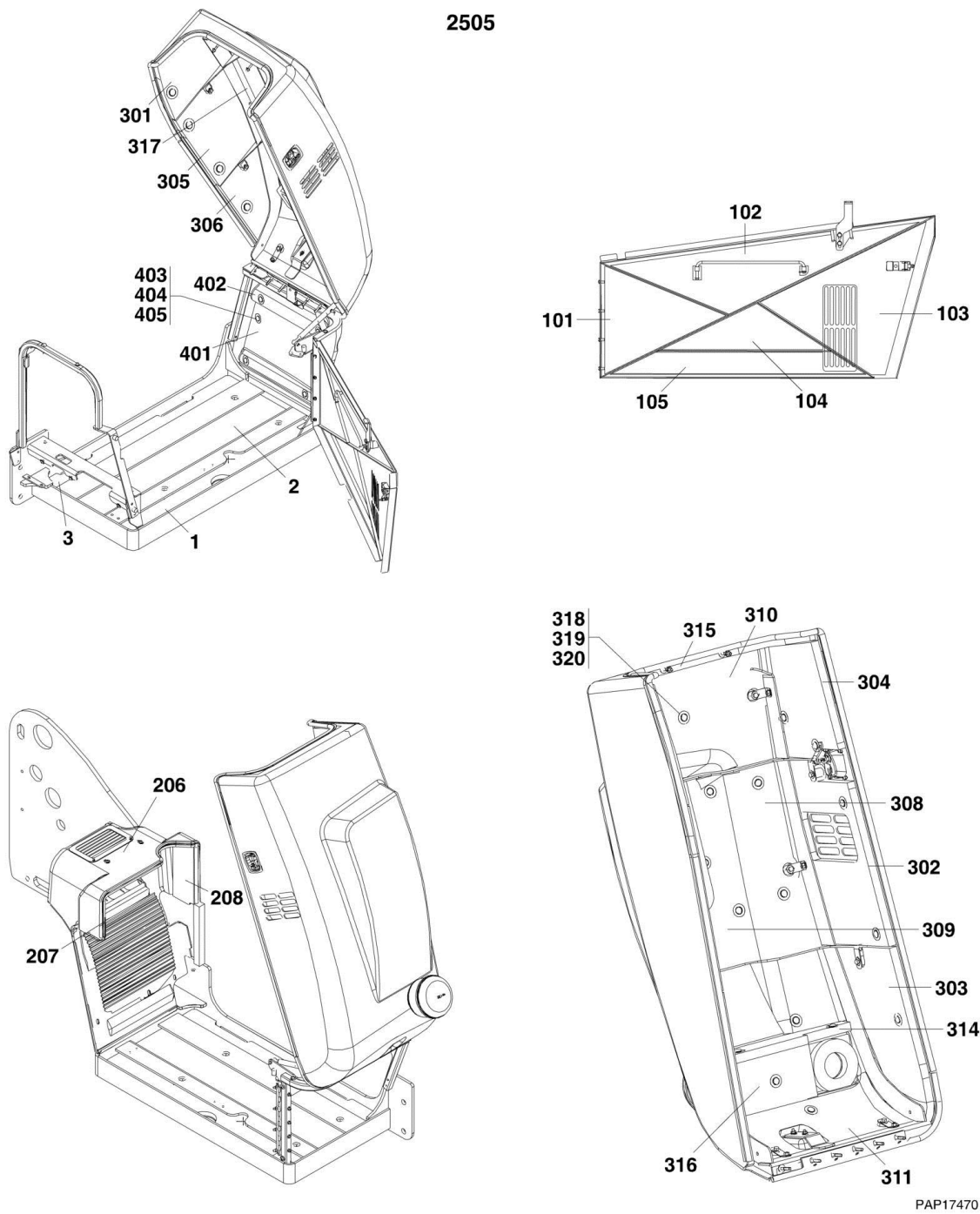
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      |             |     | items 201 thru 203 for service) <b>(2505 Prior to SN 0160042694; G5-18A Prior to SN 0160046397)</b>                                                              |     |
|      | 1001133788  | Ref | BATTERY COVER INSTALLATION, (not available to order, see items 201 thru 203 for service) <b>(2505 SN 0160042694 to Present; G5-18A SN 0160046397 to Present)</b> | A   |
| 201  | 1001080163  | NLA | BATTERY COVER, (no longer available, use Kit K1 for replacement) <b>(Prior to SN 0160037452)</b>                                                                 |     |
| 201  | 1001112694  | Ref | BATTERY COVER, <b>(2505 SN 0160037452 through 0160042693; G5-18A SN 0160037452 through 0160046248)</b>                                                           |     |
| 201  | 1001133787  | 1   | BATTERY COVER, <b>(2505 SN 0160042694 to Present; G5-18A SN 0160046397 to Present)</b>                                                                           |     |
| 202  | 1001081000  | 1   | CAM LOCK LATCH                                                                                                                                                   |     |
| 203  | 1001080644  | 1   | CAM LATCH                                                                                                                                                        |     |
|      | 1001080571  | Ref | FUEL CAP INSTALLATION, (not available to order, see items 301 thru 303 for service)                                                                              | B   |
| 301  | 1001001422  | 1   | NECK FILLER ADAPTER                                                                                                                                              |     |
| 302  | 1001080707  | 1   | LOCKING CAP                                                                                                                                                      |     |
| 303  | 0100093     | AR  | LOCTITE 30512, (apply to item 301)                                                                                                                               |     |
|      | 0275779     | Ref | WHEEL CHOCK INSTALLATION, (if equipped), (Germany), (not available to order, see items 401 thru 406 for service)                                                 | D   |
| 401  | 806253      | 2   | WEDGE                                                                                                                                                            |     |
| 402  | 4811900     | 8   | WASHER, 8mm                                                                                                                                                      |     |
| 403  | 0760806     | 8   | HEX HD CAPSCREW, M8X12, GR8.8                                                                                                                                    |     |
| 404  | 1060628     | 2   | CABLE TIE DOWN                                                                                                                                                   |     |
| 405  | 806264      | 2   | WEDGE HOLDER                                                                                                                                                     |     |
| 406  | 1001167706  | 1   | Wheel Chock, Mount Weldment                                                                                                                                      |     |
| 501  |             | Ref | CAB ASSY, (See CAB SECTION for Breakdown)                                                                                                                        |     |
| 502  |             | Ref | ROAD LIGHT INSTALLATION, (See ELECTRICAL SECTION for Breakdown)                                                                                                  |     |
| 601  | 80363195    | 1   | MIRROR, (G5-18A)                                                                                                                                                 |     |
| 602  | 1001148177  | 1   | RECTANGULAR MIRROR, (2505)                                                                                                                                       |     |
| 603  | 1001008436  | 1   | MIRROR, (2505), (includes items 604 thru 606)                                                                                                                    | C   |
| 604  | 1001008475  | 2   | LOCKWASHER, #12                                                                                                                                                  |     |
| 605  | 1001009062  | 2   | WASHER                                                                                                                                                           |     |
| 606  | 1001010838  | 2   | HEX HD BOLT                                                                                                                                                      |     |
|      | 0275778     | Ref | LIFT CYLINDER PROP INSTALLATION, (2505), (not available to order, see items 701 thru 705 for service)                                                            | C   |
| 701  | 909304      | AR  | PROFILE RUBBER, 18X5mm                                                                                                                                           |     |
| 702  | 1271599     | 1   | LIFT CYLINDER PROP WELDMENT                                                                                                                                      |     |
| 703  | 1784861     | 2   | O-RING                                                                                                                                                           |     |
| 704  | 1001099887  | 2   | SCREW, M12X103                                                                                                                                                   |     |
| 705  | 8005671     | 2   | DECAL, CYLINDER LOCK WARNING                                                                                                                                     |     |
| 853  |             | Ref | LICENSE PLATE LIGHT, (See ELECTRICAL SECTION for Breakdown)                                                                                                      |     |
|      | 1001104784  | Ref | REAR CONVEX MIRROR INSTALLATION, (not available to order, see items 901 thru 905 for service)                                                                    | C   |
|      | 1001112236  | Ref | REAR CONVEX MIRROR INSTALLATION, (2505 - AUS), (not available to order see items 901 thru 904 for service)                                                       | B   |
| 901  | 4712200     | 1   | WASHER, 3/4                                                                                                                                                      |     |
| 902  | 88501012    | 1   | HEX NUT, 3/4-10                                                                                                                                                  |     |
| 903  | 1001008436  | 1   | MIRROR, (includes items 954 thru 956)                                                                                                                            | B   |
| 904  | 1001080241  | NLA | BAR, (no longer available, use 1001208759 for replacement)                                                                                                       |     |
| 904  | 1001208759  | 1   | BAR                                                                                                                                                              |     |
| 904  | 1001111700  | 1   | BAR, (2505 - AUS)                                                                                                                                                |     |

## SECTION 1 - FRAME AND ATTACHING PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------------------------------|-----|
| 905  | 1001151086  | 1   | HEX HD CAPSCREW, 3/4-10X2-1/2, GR8                                                                           |     |
| 954  | 1001008475  | 2   | LOCKWASHER, #12                                                                                              |     |
| 955  | 1001009062  | 2   | WASHER                                                                                                       |     |
| 956  | 1001010838  | 2   | HEX HD BOLT                                                                                                  |     |
| 1001 | 0100071     | AR  | ADHESIVE, LOCTITE 262                                                                                        |     |
| 1002 | 1001151086  | 4   | HEX HD CAPSCREW, 3/4 -10X2-1/2                                                                               |     |
| 1003 | 1001151132  | 4   | WASHER, 3/4                                                                                                  |     |
| K1   | 1001112683  | 1   | ENGINE COVER REPLACEMENT KIT <b>(Prior to SN 0160037452)</b>                                                 |     |
| K1   | 1001112684  | 1   | ENGINE COVER REPLACEMENT KIT <b>(G5-18A SN 0160046397 to Present; 2505 SN 0160037452 through 0160042693)</b> |     |

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. ENGINE POD INSULATION - 2505





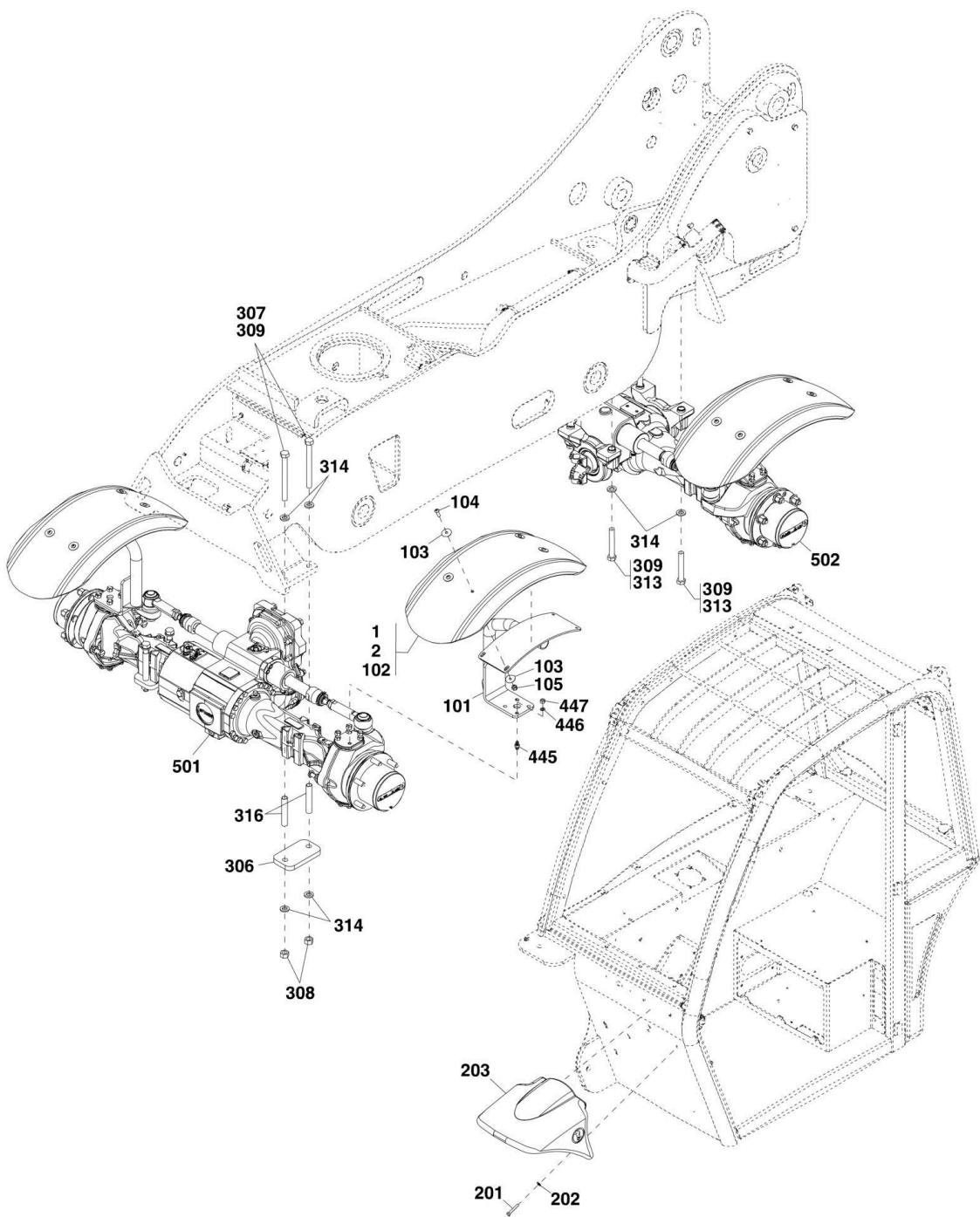
## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-3. ENGINE POD INSULATION - 2505**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                        | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001081147  | Ref | ENGINE POD TRAY INSULATION INSTALLATION - 2505, (not available to order, see items 1 thru 3 for service)                           | E   |
| 1    | 1001081148  | 1   | ENGINE POD TRAY INSULATION                                                                                                         |     |
| 2    | 1001081149  | 1   | ENGINE POD TRAY INSULATION                                                                                                         |     |
| 3    | 1001081150  | 1   | ENGINE POD TRAY INSULATION                                                                                                         |     |
|      | 1001081075  | Ref | DOOR PANEL INSULATION INSTALLATION, (not available to order, see items 101 thru 105 for service) <b>(Prior to SN 0160040198)</b>   | J   |
|      | 1001126594  | Ref | DOOR PANEL INSULATION INSTALLATION, (not available to order, see items 101 thru 105 for service) <b>(SN 0160040198 to Present)</b> | A   |
| 101  | 1001081076  | 1   | DOOR PANEL INSULATION                                                                                                              |     |
| 102  | 1001081077  | 1   | DOOR PANEL INSULATION                                                                                                              |     |
| 103  | 1001081078  | 1   | DOOR PANEL INSULATION <b>(Prior to SN 0160040198)</b>                                                                              |     |
| 103  | 1001126595  | 1   | DOOR PANEL INSULATION <b>(SN 0160040198 to Present)</b>                                                                            |     |
| 104  | 1001081079  | 1   | DOOR PANEL INSULATION                                                                                                              |     |
| 105  | 1001081112  | 1   | DOOR PANEL INSULATION                                                                                                              |     |
|      | 1001081269  | Ref | REAR COVER INSULATION INSTALLATION, (not available to order, see items 206 thru 208 for service)                                   | D   |
| 206  | 1001081227  | 1   | ENGINE POD REAR COVER INSULATION                                                                                                   |     |
| 207  | 1001081229  | 1   | ENGINE POD REAR COVER INSULATION                                                                                                   |     |
| 208  | 1001081230  | 1   | ENGINE POD REAR COVER INSULATION                                                                                                   |     |
|      | 1001081055  | Ref | HOOD INSULATION INSTALLATION, (not available to order, see items 301 thru 320 for service)                                         | I   |
| 301  | 1001081056  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 302  | 1001081057  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 303  | 1001081058  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 304  | 1001081059  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 305  | 1001081060  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 306  | 1001081061  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 308  | 1001081063  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 309  | 1001081064  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 310  | 1001081065  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 311  | 1001081066  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 314  | 1001081144  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 315  | 1001081228  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 316  | 1001081300  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 317  | 1001081356  | 1   | SOUND DAMPENING HOOD INSULATION                                                                                                    |     |
| 318  | 1001081328  | 28  | SPINDLE ANCHOR FASTENER                                                                                                            |     |
| 319  | 1001081329  | 28  | SELF-LOCKING WASHER, 0.104X1.50                                                                                                    |     |
| 320  | 1001081330  | 28  | SELF-LOCKING FASTENER                                                                                                              |     |
|      | 1001081125  | Ref | FRONT COVER INSULATION INSTALLATION, (not available to order, see items 401 thru 405 for service)                                  | D   |
| 401  | 1001081126  | 1   | ENGINE POD FRONT COVER INSULATION                                                                                                  |     |
| 402  | 1001081127  | 1   | ENGINE POD FRONT COVER INSULATION                                                                                                  |     |
| 403  | 70022088    | 7   | SPINDLE ANCHOR FASTENER ASSY, (includes items 404 & 405)                                                                           |     |
| 404  | N.S.S.      | 7   | SELF-LOCKING WASHER, 0.104X1.50                                                                                                    |     |
| 405  | N.S.S.      | 7   | SELF-LOCKING CAP                                                                                                                   |     |

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FIGURE 1-4. AXLE AND FENDER INSTALLATION



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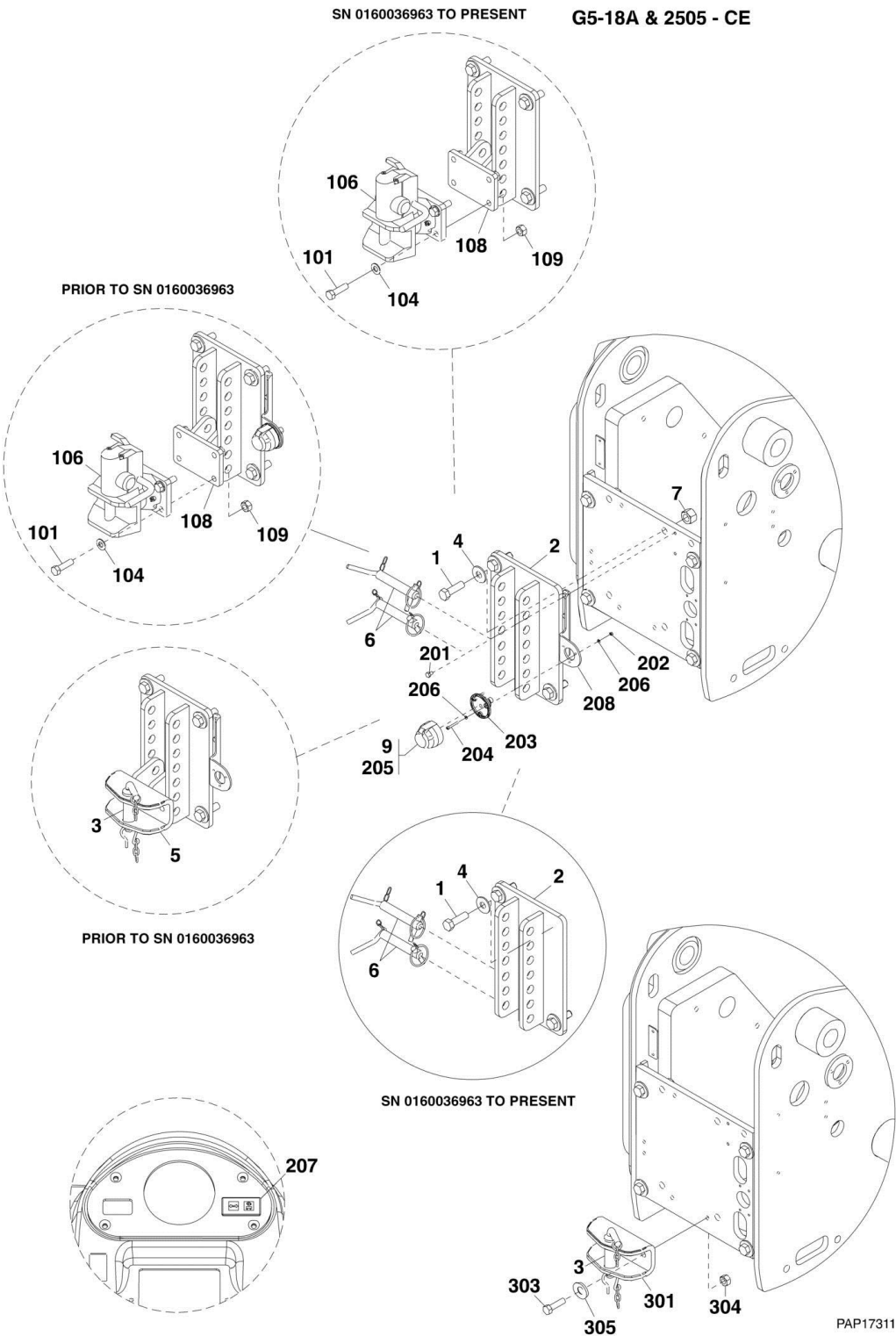
## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-4. AXLE AND FENDER INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                              | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------|-----|
|      | 0275505     | Ref | FENDER INSTALLATION, (if equipped), (not available to order, see item 1 & 2 for service) | D   |
| 1    | 1001080216  | 4   | FENDER ASSY, (if equipped), (includes items 101 thru 105)                                | H   |
| 2    | 1001095650  | AR  | ADHESIVE, LOCTITE 243                                                                    |     |
| 101  | 1001081100  | 1   | FENDER MOUNT                                                                             |     |
| 102  | 1001080212  | 1   | WHEEL FENDER                                                                             |     |
| 103  | 8310246     | 8   | FENDER WASHER, 0.375X0.048X1.50                                                          |     |
| 104  | 88261030    | 4   | SOCKET HD CAPSCREW, 3/8-16X1-1/4                                                         |     |
| 105  | 88521206    | 4   | LOCKNUT, 3/8-16                                                                          |     |
|      | 1001097640  | 1   | FRONT FENDER INSTALLATION, (G5-18A, if equipped), (includes items 201 thru 203)          | C   |
| 201  | 0641516     | 4   | HEX HD CAPSCREW, 5/16-18X2, GR5                                                          |     |
| 202  | 4711500     | 4   | WASHER, 5/16                                                                             |     |
| 203  | 1001080891  | 1   | FRONT FENDER                                                                             |     |
| 306  | 3576766     | 2   | MOUNTING PLATE                                                                           |     |
| 307  | 0682264     | 4   | HEX HD CAPSCREW, 3/4-10X8, GR8, (torque to 420 lb-ft)                                    |     |
| 308  | 3272201     | 4   | NUT, 3/4-10, GR8                                                                         |     |
| 309  | 0100011     | AR  | LOCTITE 242                                                                              |     |
| 313  | 91403412    | 4   | HEX HD CAPSCREW, 3/4-10X5, (torque to 420 lb-ft)                                         |     |
| 314  | 4892200     | 12  | WASHER, 3/4                                                                              |     |
| 316  | 1001081071  | 4   | FRONT AXLE MOUNTING SLEEVE                                                               |     |
| 445  | 91514118    | 4   | FENDER STUD                                                                              |     |
| 446  | 91514119    | 4   | WASHER                                                                                   |     |
| 447  | 91514120    | 4   | NUT                                                                                      |     |
| 501  |             | Ref | FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)                                      |     |
| 502  |             | Ref | REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)                                       |     |

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. HITCHES



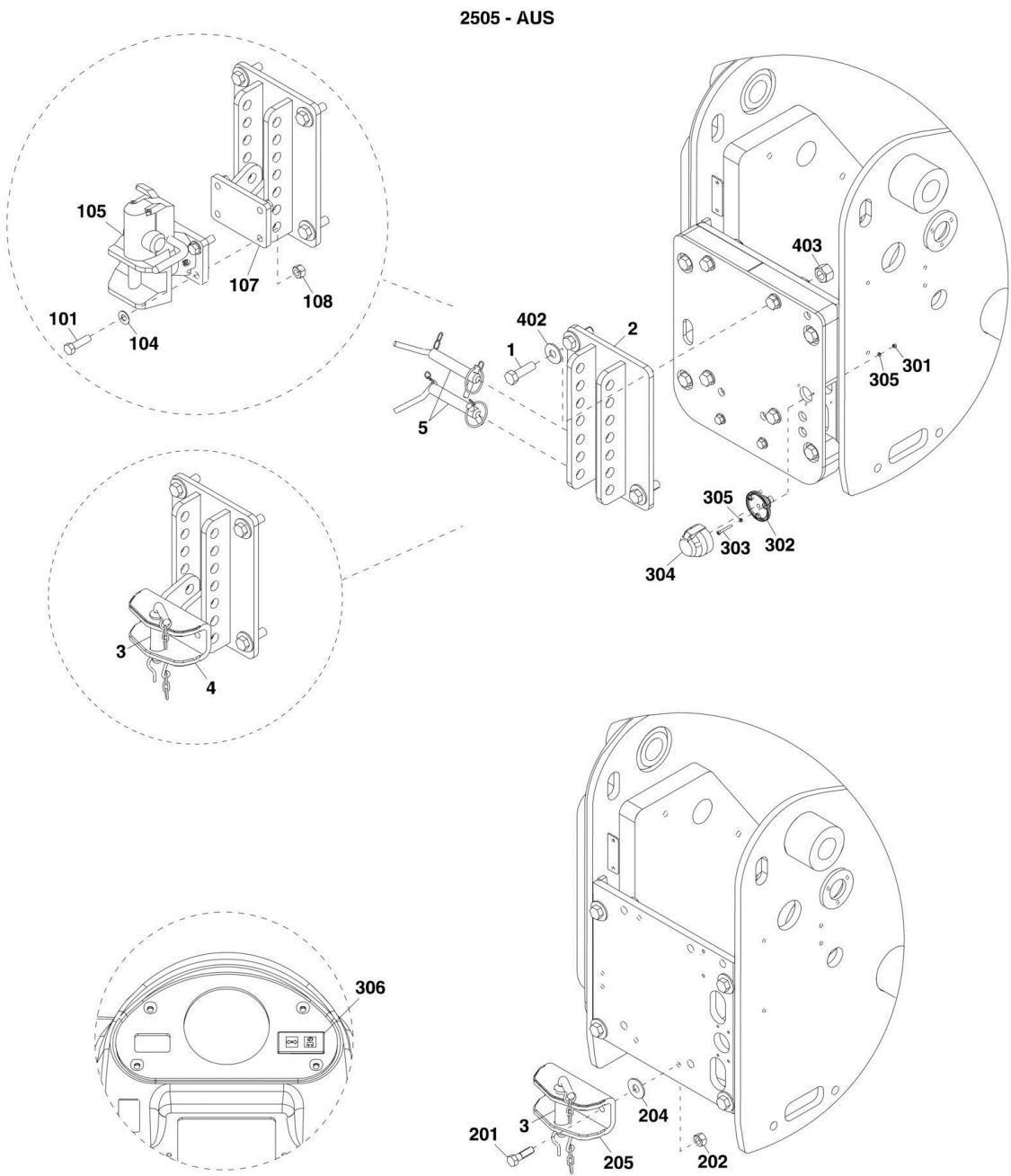
## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-5. HITCHES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------|-----|
|      | 0275791     | 1   | ADJUSTABLE PIN HITCH, (2505 - CE, G5-18A), (includes items 1 thru 9) <b>(Prior to SN 0160036963)</b>                        | C   |
|      | 1001081357  | 1   | ADJUSTABLE PIN HITCH, (2505 - CE, G5-18A), (includes items 1 thru 7) <b>(SN 0160036963 to Present)</b>                      | C   |
|      | 0275792     | 1   | ADJUSTABLE AUTO HITCH, (2505 - CE, G5-18A), (includes items 1, 2, 4, 6, 7 & 101 thru 109) <b>(Prior to SN 0160036963)</b>   | C   |
|      | 1001081358  | 1   | ADJUSTABLE AUTO HITCH, (2505 - CE, G5-18A), (includes items 1, 2, 4, 6, 7 & 101 thru 109) <b>(SN 0160036963 to Present)</b> | C   |
|      | 4805932     | 1   | PIN HITCH, (2505 - CE, G5-18A), (includes items 3 & 301 thru 305)                                                           | B   |
| 1    | 1001151086  | 4   | HEX HD CAPSCREW, 3/4-10X2-1/2, GR8                                                                                          | A   |
| 2    | 0903083     | 1   | HITCH MOUNTING BRACKET                                                                                                      |     |
| 3    | 3944574     | 1   | HITCH PIN                                                                                                                   |     |
| 4    | 1001151132  | 4   | WASHER, 3/4                                                                                                                 |     |
| 5    | 8010200     | 1   | HITCH                                                                                                                       |     |
| 6    | 8010204     | 2   | HITCH MOUNTING PIN                                                                                                          |     |
| 7    | 1001151133  | 4   | HEX NUT, 3/4-10                                                                                                             |     |
| 9    | 1001080685  | 1   | TRAILER PLUG KIT, (includes items 201 thru 208)                                                                             |     |
| 101  | 1001151147  | 4   | HEX HD CAPSCREW, 5/8-11X2-1/4, GR8                                                                                          |     |
| 104  | 1001151148  | 4   | WASHER, 5/8                                                                                                                 |     |
| 106  | 8002789     | 1   | AUTOMATIC HITCH                                                                                                             |     |
| 108  | 8010234     | 1   | HITCH ADAPTER                                                                                                               |     |
| 109  | 1001151150  | 4   | HEX NUT, 5/8-11                                                                                                             |     |
| 201  | 0760806     | 2   | HEX HD CAPSCREW, M8X12, GR8.8                                                                                               |     |
| 202  | 3290507     | 3   | HEX LOCKNUT, M8, GR8                                                                                                        |     |
| 203  | 3960600     | 1   | TRAILER PLUG GASKET                                                                                                         |     |
| 204  | 4031612     | 3   | HEX HD CAPSCREW, M5X40                                                                                                      |     |
| 205  | 4461021     | 1   | TRAILER PLUG                                                                                                                |     |
| 206  | 4811600     | 6   | WASHER, 5mm                                                                                                                 |     |
| 207  | 1001080610  | 1   | TRAILER INDICATOR                                                                                                           |     |
| 208  | 1001080686  | 1   | TRAILER PLUG BRACKET                                                                                                        |     |
| 301  | 4804533     | 1   | HITCH BRACKET                                                                                                               |     |
| 303  | 0771619     | 2   | HEX HD CAPSCREW, M16X55, GR10.9                                                                                             |     |
| 304  | 4805921     | 2   | HEX NUT, M16X2                                                                                                              |     |
| 305  | 4812300     | 2   | WASHER, 16mm                                                                                                                |     |

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. HITCHES - 2505



PAL5080

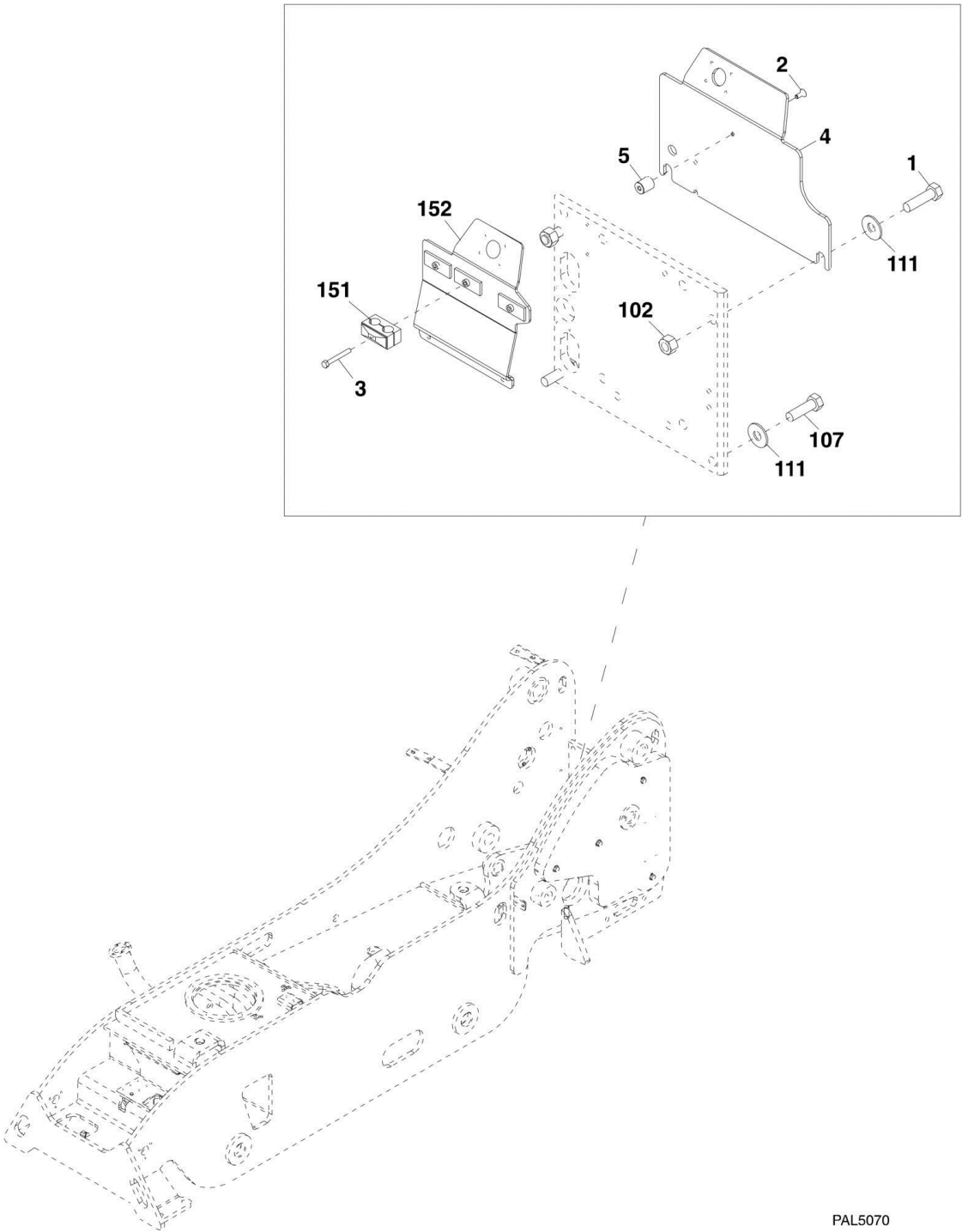
## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-6. HITCHES - 2505**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------|-----|
|      | 1001081380  | Ref | ADJUSTABLE HITCH, (2505 - AUS), (not available to order, see items 1 thru 5 for service)                   | B   |
|      | 1001081379  | Ref | AUTOMATIC HITCH ASSY, (2505 - AUS), (not available to order, see items 1, 2, 5 & 101 thru 108 for service) | B   |
|      | 1001107807  | Ref | PIN HITCH, (2505 - AUS), (not available to order, see items 3 & 201 thru 205 for service)                  | C   |
| 1    | 0682238     | 4   | HEX HD CAPSCREW, 3/4-10X4-3/4                                                                              |     |
| 2    | 0903083     | 1   | HITCH BRACKET                                                                                              |     |
| 3    | 3944574     | 1   | HITCH PIN                                                                                                  |     |
| 4    | 8010200     | 1   | HITCH                                                                                                      |     |
| 5    | 8010204     | 2   | HITCH MOUNTING PIN                                                                                         |     |
| 101  | 0682018     | 4   | HEX HD CAPSCREW, 5/8-11X2-1/4                                                                              |     |
| 104  | 4712000     | 4   | WASHER, 5/8                                                                                                |     |
| 105  | 8002789     | 1   | AUTOMATIC HITCH                                                                                            |     |
| 107  | 8010234     | 1   | HITCH ADAPTER                                                                                              |     |
| 108  | 88501010    | 4   | HEX NUT, 5/8-11                                                                                            |     |
| 201  | 0682040     | 2   | HEX HD CAPSCREW, 5/8-11X5                                                                                  |     |
| 202  | 3312005     | 2   | HEX LOCKNUT, 5/8-11, GR2                                                                                   |     |
| 204  | 4712000     | 2   | WASHER, 5/8                                                                                                |     |
| 205  | 4804533     | 1   | HITCH BRACKET                                                                                              |     |
|      | 1001107806  | 1   | TRAILER PLUG KIT, (includes items 301 thru 306)                                                            | B   |
| 301  | 3290507     | 3   | HEX LOCKNUT, M5X0.8                                                                                        |     |
| 302  | 3960600     | 1   | TRAILER PLUG GASKET                                                                                        |     |
| 303  | 4031612     | 3   | HEX HD SOCKET SCREW, M5X40                                                                                 |     |
| 304  | 4461021     | 1   | TRAILER PLUG                                                                                               |     |
| 305  | 4811600     | 6   | WASHER, 5mm                                                                                                |     |
| 306  | 1001080611  | 1   | TRAILER INDICATOR                                                                                          |     |
| 401  |             | Ref | COUNTERWEIGHT INSTALLATION, (AUS), (See FRAME COVERS, SHROUDING AND ATTACHING PARTS for Breakdown)         |     |
| 402  |             | Ref | WASHER, (See FRAME COVERS, SHROUDING AND ATTACHING PARTS for Breakdown)                                    |     |
| 403  |             | Ref | NUT, (See FRAME COVERS, SHROUDING AND ATTACHING PARTS for Breakdown)                                       |     |

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. LICENSE PLATE HOLDER INSTALLATION (Prior to SN 0160037440)



PAL5070



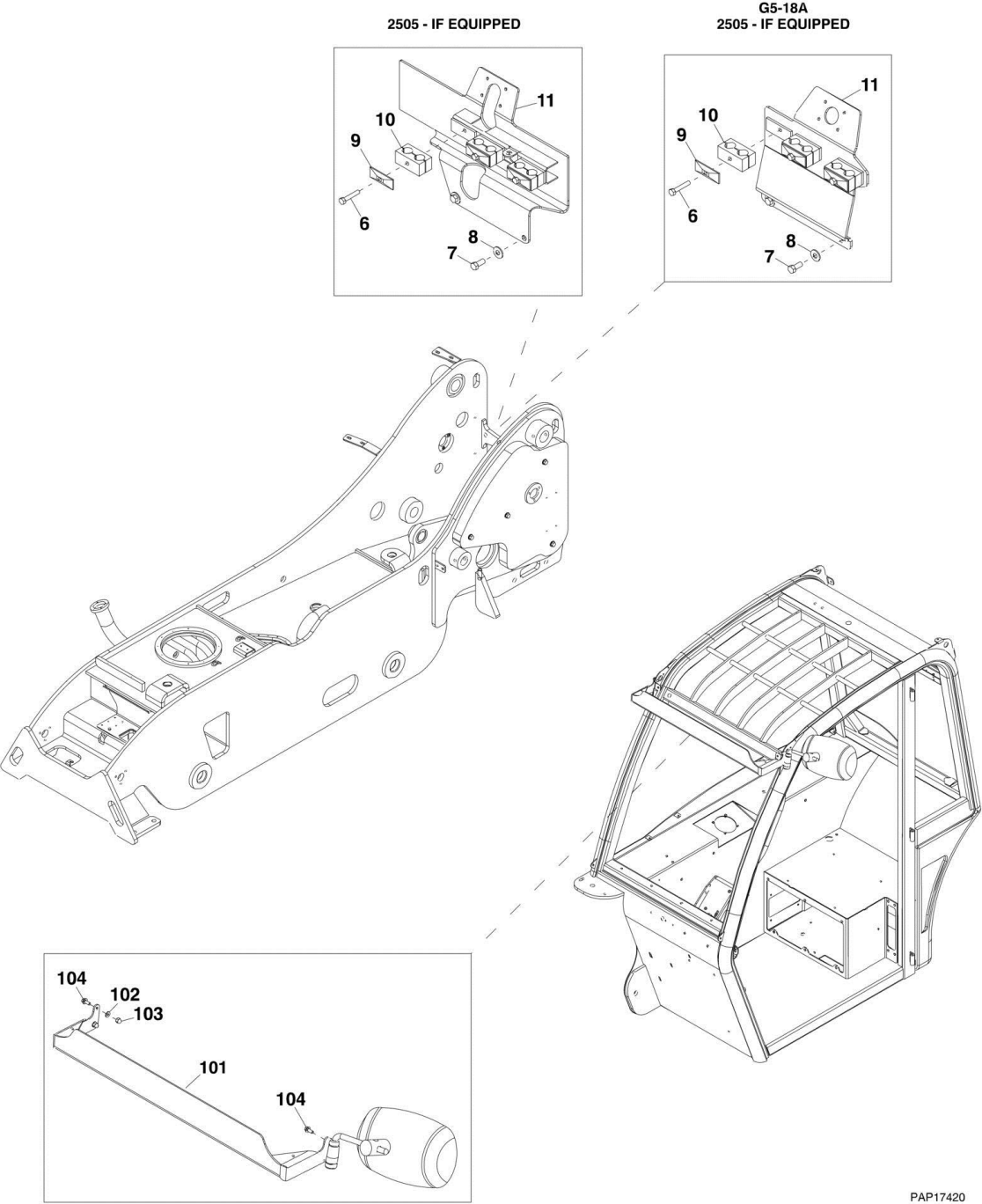
## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-7. LICENSE PLATE HOLDER INSTALLATION (Prior to SN 0160037440)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001081394  | 1   | LICENSE PLATE HOLDER INSTALLATION, (UK and Ireland), (not available for service, see items 1 thru 5 for service) | B   |
| 1    | 10700730    | 2   | HEX HD CAPSCREW, 3/4-10X2-3/4                                                                                    |     |
| 2    | 0741506     | 1   | FLAT HD SOCKET SCREW, 5/16-18X3/4                                                                                |     |
| 3    | 8310357     | 1   | BOLT, 5/16-18X2-1/2                                                                                              |     |
| 4    | 1001081377  | 1   | LICENSE HOLDER PLATE                                                                                             |     |
| 5    | 1001081378  | 1   | LICENSE HOLDER SPACER                                                                                            |     |
| 102  | 88501012    | 2   | HEX NUT, 3/4-10, GR5                                                                                             |     |
| 107  | 0682220     | 4   | HEX HD CAPSCREW, 3/4-10X2-1/2, GR8                                                                               |     |
| 111  | 4752201     | 4   | WASHER, 3/4                                                                                                      |     |
| 151  |             | Ref | CLAMP, (See HYDRAULIC CIRCUITS SECTION for Breakdown)                                                            |     |
| 152  |             | Ref | HOSE CLAMP SUPPORT, (See HYDRAULIC CIRCUITS SECTION for Breakdown)                                               |     |

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-8. LICENSE PLATE HOLDER INSTALLATION (SN 0160037440 to Present)



PAP17420

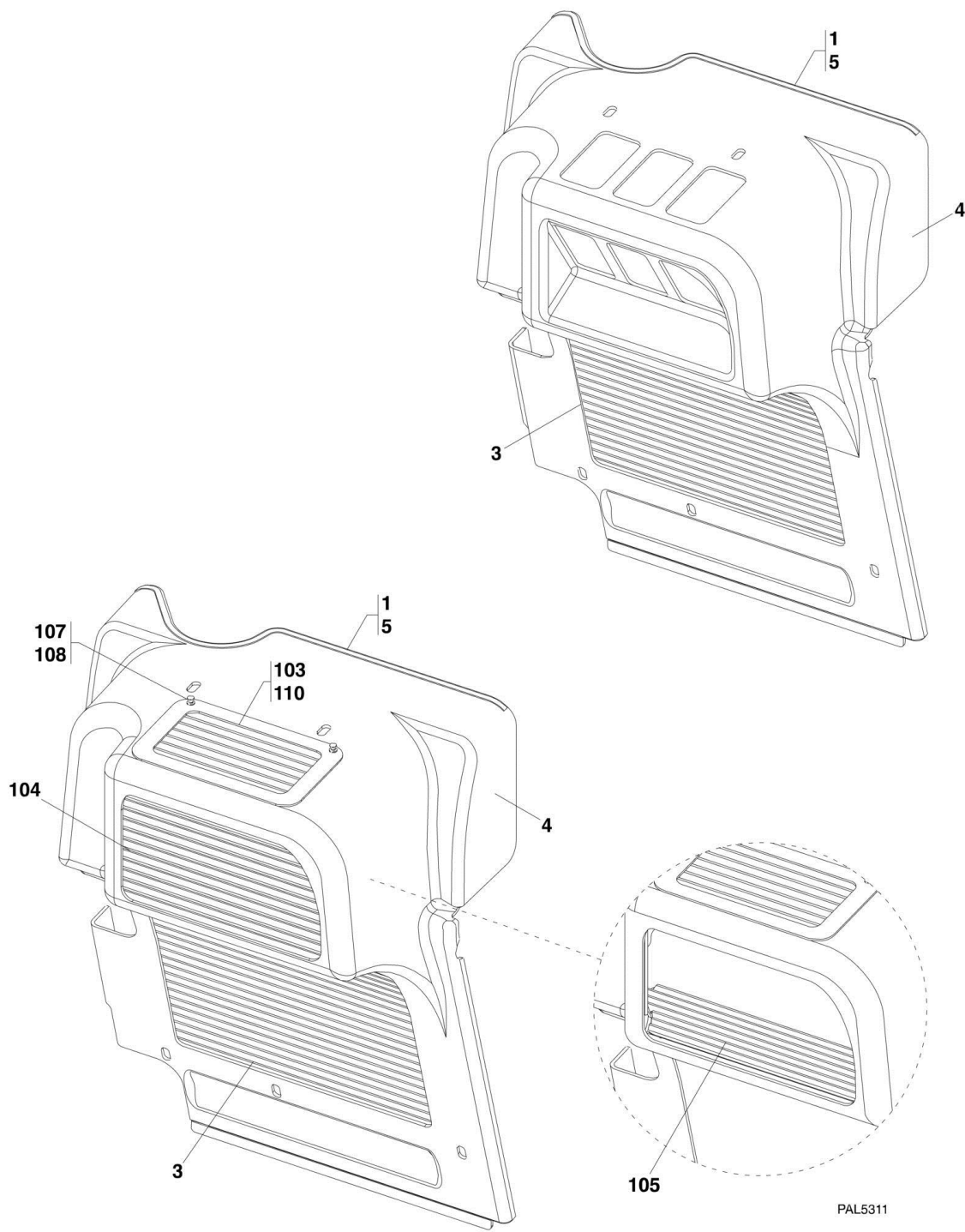
## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-8. LICENSE PLATE HOLDER INSTALLATION (SN 0160037440 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                         | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001081394  | 1   | REAR LICENSE PLATE HOLDER INSTALLATION, (2505, if equipped), (not available for service, see items 6 thru 11 for service)           | D   |
|      | 1001081422  | 1   | REAR LICENSE PLATE HOLDER INSTALLATION, (G5-18A), (2505, if equipped), (not available for service, see items 6 thru 11 for service) | B   |
| 6    | 0641516     | 3   | HEX HD CAPSCREW, 5/16-18X2, GR5                                                                                                     |     |
| 7    | 0641607     | 2   | HEX HD CAPSCREW, 3/8-16X7/8                                                                                                         |     |
| 8    | 4751600     | 2   | WASHER, 3/8                                                                                                                         |     |
| 9    | 77133137    | 3   | COVER PLATE                                                                                                                         |     |
| 10   | 77323029    | 3   | CLAMP SET                                                                                                                           |     |
| 11   | 1001081425  | 1   | LICENSE BRACKET, (2505, if equipped)                                                                                                |     |
| 11   | 1001097684  | 1   | LICENSE BRACKET HOSE CLAMP SUPPORT, (G5-18A), (2505, if equipped)                                                                   |     |
|      | 1001081421  | Ref | FRONT LICENSE HOLDER INSTALLATION, (not available to order, see items 101 thru 104 for service)                                     | A   |
| 101  | 1001081420  | 1   | FRONT LICENSE BRACKET                                                                                                               |     |
| 102  | 1001108548  | 2   | WASHER, 1/4                                                                                                                         |     |
| 103  | 1001108549  | 2   | NUT, 1/4-20, G2                                                                                                                     |     |
| 104  | 8303119     | 4   | SCREW, 1/4-20X5/8                                                                                                                   |     |

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-9. REAR ENGINE COVER



PAL5311

## SECTION 1 - FRAME AND ATTACHING PARTS

**FIGURE 1-9. REAR ENGINE COVER**

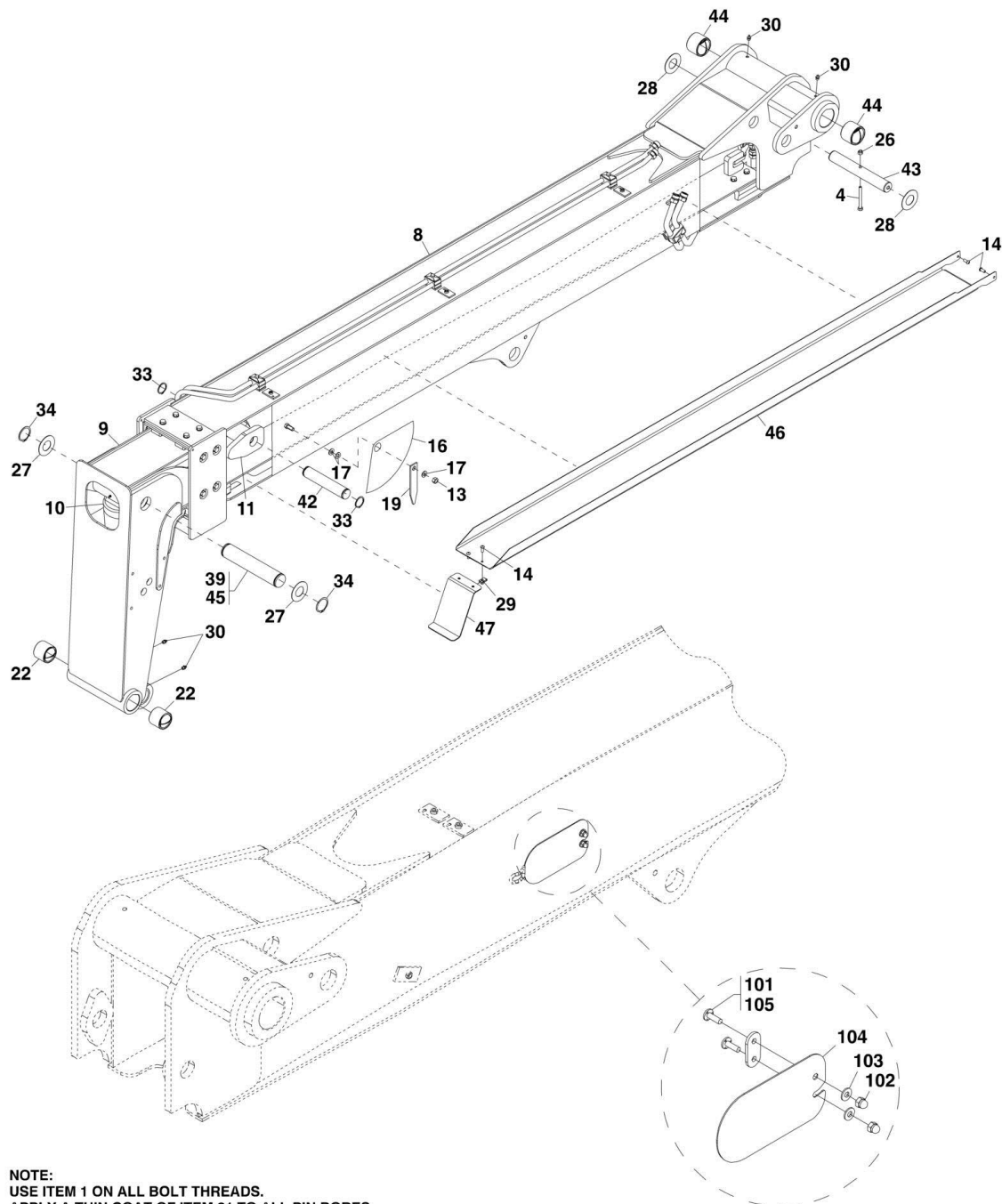
| ITEM | PART NUMBER | QTY   | DESCRIPTION                                                                               | REV |
|------|-------------|-------|-------------------------------------------------------------------------------------------|-----|
| 1    | 1001081438  | 1     | REAR ENGINE COVER, (ANSI), (includes items 1 thru 5)                                      | B   |
|      | 1001081435  | 1     | REAR ENGINE COVER, (ANSI), (Agricultural), (includes items 1 thru 5 & 103 thru 110)       | B   |
|      | 1001081444  | 1     | REAR ENGINE COVER, (CE and AUS), (includes items 1 thru 5)                                | A   |
|      | 1001081441  | 1     | REAR ENGINE COVER, (CE and AUS), (Agricultural), (includes items 1 thru 5 & 103 thru 110) | B   |
|      |             | Ref   | REAR ENGINE POD COVER INSULATION, (See ENGINE POD INSULATION for Breakdown)               |     |
|      | N.S.S.      | 1     | RADIATOR GRILL                                                                            |     |
|      | N.S.S.      | 1     | REAR COVER                                                                                |     |
|      | 1001097159  | 25 in | SELF GRIPPING BULB SEAL                                                                   |     |
|      | N.S.S.      | 1     | RADIATOR COVER SCREEN                                                                     |     |
|      | N.S.S.      | 1     | RADIATOR GRILL                                                                            |     |
| 103  | N.S.S.      | 1     | RADIATOR GRILL                                                                            |     |
| 104  | N.S.S.      | 1     | RADIATOR GRILL                                                                            |     |
| 105  | N.S.S.      | 1     | RADIATOR GRILL                                                                            |     |
| 107  | 1001081431  | 2     | EXPANSION GROMMET FASTENER                                                                |     |
| 108  | 1001081432  | 2     | EXPANSION PLUNGER FASTENER                                                                |     |
| 110  | 1001090344  | 26 in | NEOPRENE TAPE                                                                             |     |



**SECTION 2 - BOOM**

SECTION 2 - BOOM

FIGURE 2-1. BOOM ASSEMBLY - COMPONENTS



NOTE:  
USE ITEM 1 ON ALL BOLT THREADS.  
APPLY A THIN COAT OF ITEM 31 TO ALL PIN BORES.

PAP17460

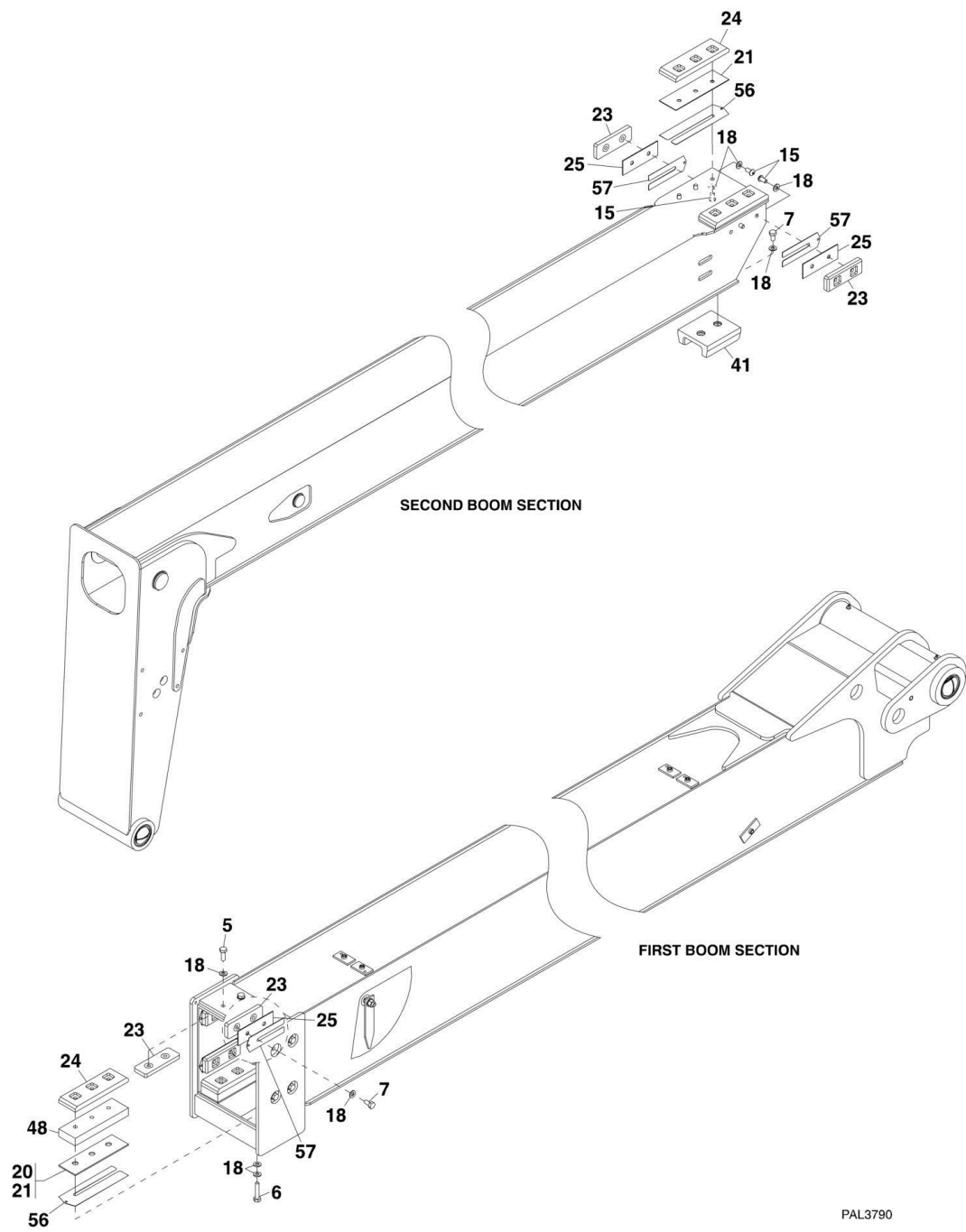


FIGURE 2-1. BOOM ASSEMBLY - COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                               | REV |
|------|-------------|-----|---------------------------------------------------------------------------|-----|
| 1    | 0100011     | AR  | LOCTITE 242                                                               | B   |
| 4    | 0641628     | 1   | HEX HD CAPSCREW, 3/8-16X3-1/2, GR5                                        |     |
| 8    | 1001130338  | 1   | FIRST BOOM SECTION WELDMENT                                               |     |
| 9    | 0801601     | 1   | SECOND BOOM SECTION WELDMENT                                              |     |
| 10   |             | Ref | TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)           |     |
| 11   |             | Ref | EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 13   |             | Ref | LOCKNUT, 7/16-14, (See DECALS SECTION for Breakdown)                      |     |
| 14   | 3900210     | 4   | SOCKET BUTTON HD CAPSCREW, 5/16-18X3/4                                    |     |
| 16   |             | Ref | BOOM ANGLE DECAL, (See DECALS SECTION for Breakdown)                      |     |
| 17   |             | Ref | FLAT WASHER, 7/16, (See DECALS SECTION for Breakdown)                     |     |
| 19   |             | Ref | BOOM ANGLE INDICATOR, (See DECALS SECTION for Breakdown)                  |     |
| 22   | 7126662     | 2   | CHAIN SHEAVE BUSHING                                                      |     |
| 26   | 8305645     | 1   | HEX LOCKNUT, 3/8X16                                                       |     |
| 27   | 8307904     | AR  | SHIM WASHER, 2.00X3.50X0.048                                              |     |
| 28   | 8310160     | AR  | SHIM, 1.50X3.00X0.048                                                     |     |
| 29   | 8310658     | 2   | RETAINING NUT, 5/16                                                       |     |
| 30   | 88671001    | 4   | STRAIGHT LUBE FITTING, 1/8                                                |     |
| 31   | 8522012     | AR  | ANTI-SEIZE LUBE                                                           |     |
| 32   | 8522031     | AR  | MULTI-PURPOSE GREASE                                                      |     |
| 33   | 8642207     | 2   | RETAINING RING, 1-1/2 IN DIA                                              |     |
| 34   | 8642224     | 2   | RETAINING RING, 2 IN DIA                                                  |     |
| 39   | 14404793    | AR  | MYSTIK TETRIMOLY GREASE                                                   |     |
| 42   | 1001080116  | 1   | EXTEND/RETRACT CYLINDER BASE PIN                                          |     |
| 43   | 1001080117  | 1   | EXTEND/RETRACT CYLINDER ROD PIN                                           |     |
| 44   | 1001080124  | 2   | BUSHING WITH GREASE GROOVES                                               |     |
| 45   | 1001080152  | 1   | FORK CYLINDER BASE PIN                                                    |     |
| 46   | 1001080253  | 1   | HOSE GUARD CHANNEL                                                        |     |
| 47   | 1001080254  | 1   | HOSE CHANNEL BRACE                                                        |     |
|      | 1001139177  | 1   | BOOM SIDE COVER INSTALLATION, (includes items 101 thru 105)               |     |
| 101  | 0100011     | AR  | LOCTITE 242                                                               |     |
| 102  | 3300430     | 2   | ACORN NUT, 1/4-20                                                         |     |
| 103  | 4711400     | 2   | WASHER, 1/4-20                                                            |     |
| 104  | 1001139042  | 1   | BOOM SIDE COVER PANEL                                                     |     |
| 105  | 1001139043  | 1   | COVER RETAINER SCREW                                                      |     |

SECTION 2 - BOOM

FIGURE 2-2. BOOM ASSEMBLY - PADS AND SHIMS



NOTE:  
FILL POCKETS OF BOTTOM FRONT AND TOP REAR PADS WITH ITEM 39.  
USE ITEM 1 ON ALL BOLT THREADS.

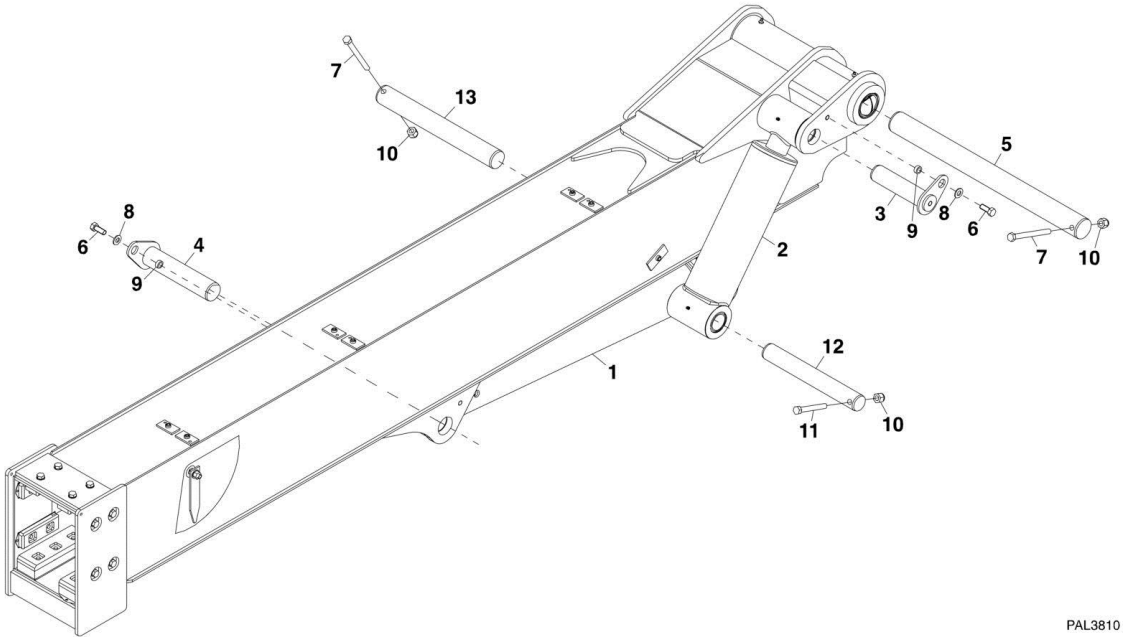
PAL3790

FIGURE 2-2. BOOM ASSEMBLY - PADS AND SHIMS

| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
| 1    | 0100011     | AR  | LOCTITE 242                            |     |
| 5    | 0701014     | 4   | HEX HD CAPSCREW, M10X30, GR8.8         |     |
| 6    | 0701018     | 6   | HEX HD CAPSCREW, M10X50, GR8.8         |     |
| 7    | 0761010     | 12  | HEX HD CAPSCREW, M10X20, GR8.8         |     |
| 15   | 3900393     | 10  | BUTTON HD CAPSCREW, M10-1.5X20         |     |
| 18   | 4812000     | 38  | WASHER, 10mm                           |     |
| 20   | 7082362     | 2   | SPACER, 0.13 IN                        |     |
| 21   | 7126182     | 2   | SPACER, 0.07 IN, (first boom section)  |     |
| 21   | 7126182     | AR  | SPACER, 0.07 IN, (second boom section) |     |
| 23   | 7300032     | 8   | WEAR PAD                               |     |
| 24   | 7300034     | 4   | WEAR PAD                               |     |
| 25   | 7300518     | 6   | SPACER, 1.90mm                         |     |
| 39   | 14404793    | AR  | MYSTIK TETRIMOLY GREASE                |     |
| 41   | 1001080050  | 2   | WEAR PAD CHANNEL ASSY                  |     |
| 48   | 1001080391  | 2   | WEAR PAD SPACER                        |     |
| 56   | 1001096584  | AR  | SHIM, (requires item 21)               |     |
| 57   | 1001096585  | AR  | SHIM, (requires item 25)               |     |

SECTION 2 - BOOM

FIGURE 2-3. BOOM PIN INSTALLATION



PAL3810

## FIGURE 2-3. BOOM PIN INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------------|-----|
|      | 0275494     | Ref | BOOM PIN INSTALLATION, (G5-18A), (not available to order, see items 1 thru 13 for service) | C   |
|      | 1001132453  | Ref | BOOM PIN INSTALLATION, (2505), (not available to order, see items 1 thru 13 for service)   | A   |
| 1    |             | Ref | LIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                            |     |
| 2    |             | Ref | COMPENSATING CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                    |     |
| 3    | 1001080154  | 1   | COMPENSATING CYLINDER ROD PIN                                                              |     |
| 4    | 1001080155  | 1   | LIFT CYLINDER ROD PIN                                                                      |     |
| 5    | 1001080314  | 1   | BOOM PIVOT PIN                                                                             |     |
| 6    | 0641810     | 2   | HEX HD CAPSCREW, 1/2-13X1-1/4, GR5                                                         |     |
| 7    | 0681844     | 2   | HEX HD CAPSCREW, 1/2-13X5-1/2, GR8                                                         |     |
| 8    | 4711800     | 2   | FLAT WASHER, 1/2                                                                           |     |
| 9    | 7139886     | 2   | PIN RETAINER SPACER                                                                        |     |
| 10   | 88521208    | 3   | HEX LOCKNUT, 1/2-13                                                                        |     |
| 11   | 0681836     | 1   | HEX HD CAPSCREW, 1/2-13X4, GR8                                                             |     |
| 12   | 1001080312  | 1   | COMPENSATING CYLINDER BASE PIN                                                             |     |
| 13   | 1001080313  | 1   | LIFT CYLINDER BASE PIN                                                                     |     |

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**G5-18A,2505**



**G5-18A,2505**



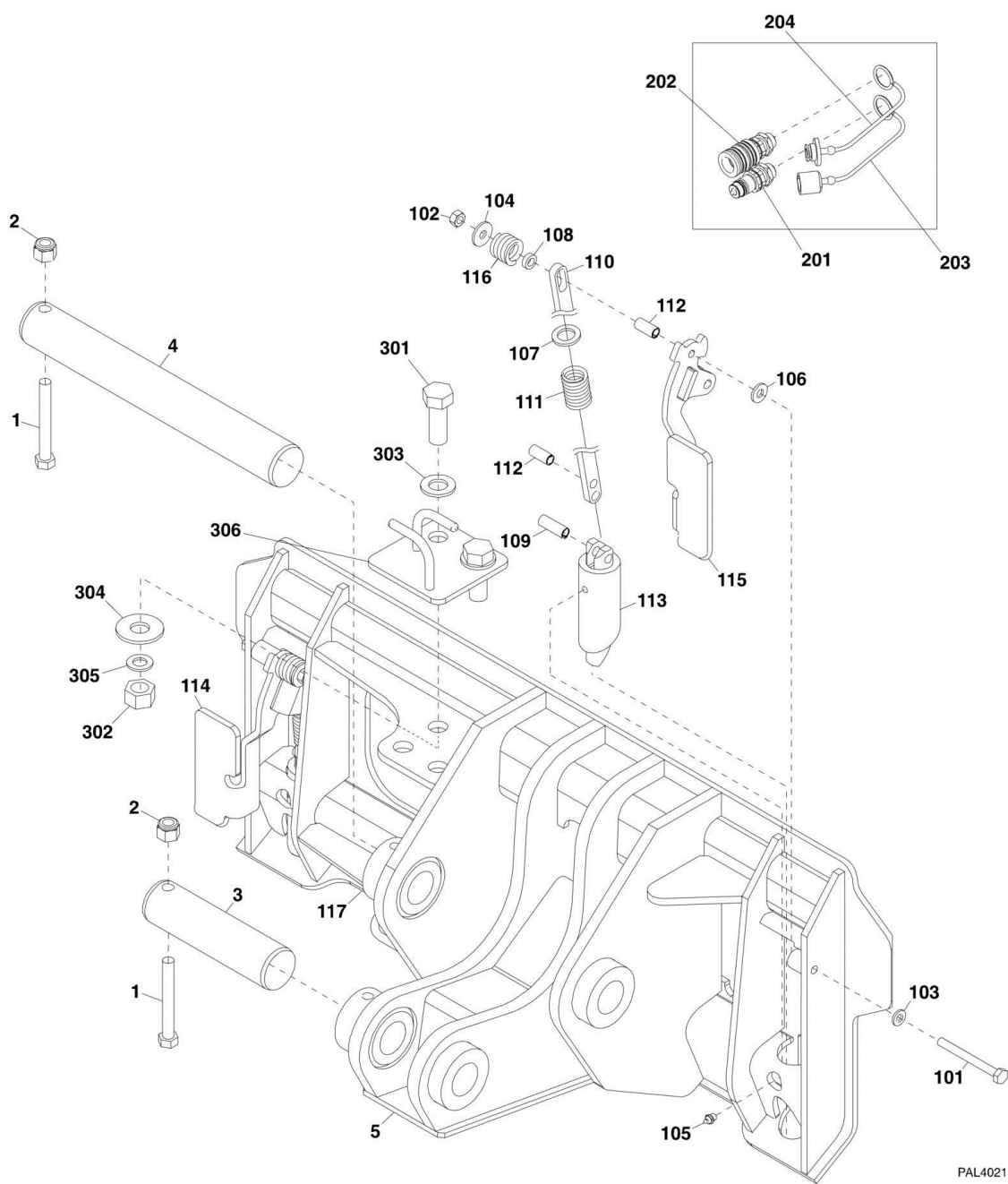
**G5-18A,2505**

FIGURE 2-4. QUICK COUPLER

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                        | REV |
|------|-------------|-----|------------------------------------------------------------------------------------|-----|
|      | 1001098472  | 1   | MECHANICAL QUICK COUPLER ASSY, (if equipped), (includes items 1 thru 10)           | C   |
| 1    | 463929      | 1   | KEY RING                                                                           |     |
| 2    | 0681832     | 2   | HEX HD CAPSCREW, 1/2-13X4, GR8                                                     |     |
| 3    | 0760605     | 1   | HEX HD CAPSCREW, 6X10, GR8.8                                                       |     |
| 4    | 933940      | 1   | GALVANIZED CHAIN                                                                   |     |
| 5    | 3964987     | 1   | SPLIT PIN                                                                          |     |
| 6    | 8002027     | 1   | FORK LOCKING ROD                                                                   |     |
| 7    | 88521208    | 2   | LOCKNUT, 1/2-13                                                                    |     |
| 8    | 1001097728  | 1   | FORK CYLINDER ROD PIN                                                              |     |
| 9    | 1001097729  | 1   | QUICK COUPLER PIVOT PIN                                                            |     |
| 10   | 1001098171  | 1   | QUICK COUPLER WELDMENT                                                             |     |
|      | 1001097255  | 1   | HYDRAULIC QUICK COUPLER ASSY, (if equipped), (includes items 101 thru 117)         | G   |
| 101  | 1001097252  | 1   | HYDRAULIC QUICK COUPLER WELDMENT                                                   |     |
| 102  | 1001097628  | 1   | COVER PLATE                                                                        |     |
| 103  | 1001097728  | 1   | FORK CYLINDER ROD PIN                                                              |     |
| 104  | 1001097729  | 1   | QUICK COUPLER PIVOT PIN                                                            |     |
| 105  | 1001080333  | 1   | FORK LOCKING CYLINDER KIT, (includes items 201 thru 205)                           | C   |
| 106  | 8769122     | 1   | TWIN CLAMP SET                                                                     |     |
| 107  | 8769123     | 1   | TWIN COVER PLATE                                                                   |     |
| 108  | 8303739     | 1   | HEX HD CAPSCREW, 5/16-18X1-1/4                                                     |     |
| 109  | 4711600     | 5   | FLAT WASHER, 3/8                                                                   |     |
| 110  | 0641608     | 5   | HEX HD CAPSCREW, 3/8-16X1, GR5                                                     |     |
| 111  | 0681832     | 2   | HEX HD CAPSCREW, 1/2-13X4, GR8                                                     |     |
| 112  | 2160002     | 2   | GREASE FITTING                                                                     |     |
| 113  | 4761600     | 5   | LOCKWASHER, 3/8                                                                    |     |
| 114  | 88521208    | 2   | LOCKNUT, 1/2-13                                                                    |     |
| 115  | 1001080565  | 1   | HOSE ASSY                                                                          |     |
| 116  | 1001096730  | 1   | HOSE ASSY                                                                          |     |
| 117  |             | Ref | QUICK COUPLER SWITCH, (not shown), (See ELECTRICAL SECTION for Breakdown)          |     |
| 201  | 3391410     | 2   | SPLIT PIN                                                                          |     |
| 202  | 8001888     | 2   | PIN                                                                                |     |
| 203  | 8002110     | 2   | CLEVIS PIN                                                                         |     |
| 204  | 2130404     | 2   | ELBOW, 90                                                                          |     |
| 205  |             | Ref | HYDRAULIC QUICK COUPLER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 301  | 1001101041  | 1   | MALE COUPLING                                                                      |     |
| 302  | 1001101042  | 1   | FEMALE COUPLING                                                                    |     |
| 303  | 8420053     | 1   | DUST CAP                                                                           |     |
| 304  | 8420055     | 1   | DUST PLUG                                                                          |     |

SECTION 2 - BOOM

FIGURE 2-5. UNIVERSAL QUICK COUPLER



PAL4021



FIGURE 2-5. UNIVERSAL QUICK COUPLER

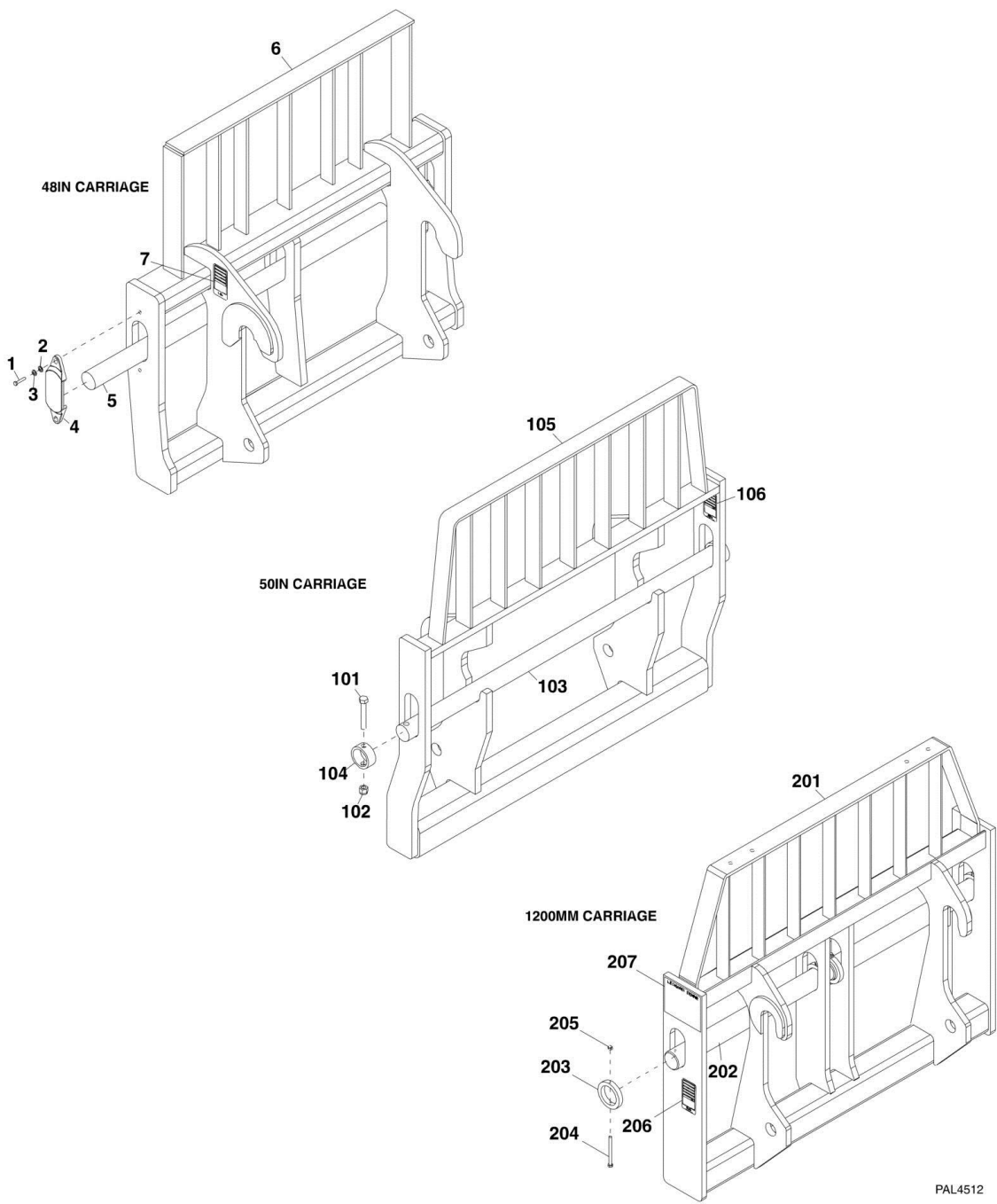
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                   | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001101185  | 1   | UNIVERSAL QUICK COUPLER INSTALLATION, (if equipped)<br>(includes items 1 thru 5)                                                                                              | C   |
| 1    | 0681832     | 2   | HEX HD CAPSCREW, 1/2-13X4, GR8                                                                                                                                                |     |
| 2    | 88521208    | 2   | LOCKNUT, 1/2-13                                                                                                                                                               |     |
| 3    | 1001097728  | 1   | FORK CYLINDER ROD PIN                                                                                                                                                         |     |
| 4    | 1001097729  | 1   | UNIVERSAL QUICK COUPLER PIVOT PIN                                                                                                                                             |     |
| 5    | 1001098709  | NLA | UNIVERSAL QUICK COUPLER ASSY, (no longer available, use<br>1001117498 or items 101 thru 117 for service)                                                                      | H   |
| 5    | 1001117498  | 1   | UNIVERSAL QUICK COUPLER ASSY, (if ordering for the first<br>time, refer to DECALS SECTION for Breakdown for the<br>appropriate capacity chart), (includes items 101 thru 117) | A   |
| 101  | 0701027     | 2   | HEX HD CAPSCREW                                                                                                                                                               |     |
| 102  | 3291007     | 2   | HEX LOCKNUT, M10X1.5, GR8                                                                                                                                                     |     |
| 103  | 5241000     | 2   | WASHER, 10mm                                                                                                                                                                  |     |
| 104  | 1001003299  | 2   | WASHER                                                                                                                                                                        |     |
| 105  | 1001008479  | 2   | GREASE FITTING                                                                                                                                                                |     |
| 106  | 1001008979  | 2   | WASHER                                                                                                                                                                        |     |
| 107  | 1001009094  | 2   | WASHER                                                                                                                                                                        |     |
| 108  | 1001055652  | 2   | WASHER                                                                                                                                                                        |     |
| 109  | 1001061633  | 2   | SPRING PIN                                                                                                                                                                    |     |
| 110  | 1001061659  | 2   | PLATE                                                                                                                                                                         |     |
| 111  | 1001061660  | 2   | SPRING                                                                                                                                                                        |     |
| 112  | 1001061662  | 4   | SPRING PIN                                                                                                                                                                    |     |
| 113  | 1001061891  | 2   | PIN                                                                                                                                                                           |     |
| 114  | 1001061892  | 1   | LH HANDLE                                                                                                                                                                     |     |
| 115  | 1001061893  | 1   | RH HANDLE                                                                                                                                                                     |     |
| 116  | 1001062117  | 2   | SPRING                                                                                                                                                                        |     |
| 117  | N.S.S.      | 1   | UNIVERSAL QUICK COUPLER WELDMENT                                                                                                                                              |     |
| 201  | 1001001241  | 1   | MALE COUPLING                                                                                                                                                                 |     |
| 202  | 1001001240  | 1   | FEMALE COUPLING                                                                                                                                                               |     |
| 203  | 8420053     | 1   | DUST CAP                                                                                                                                                                      |     |
| 204  | 1001001557  | 1   | DUST PLUG                                                                                                                                                                     |     |
|      | 1001104966  | Ref | HOSE RETAINER INSTALLATION, (if equipped), (not available to<br>order, see items 301 thru 306 for service)                                                                    | B   |
| 301  | 0642216     | 2   | HEX HD CAPSCREW, 3/4-10X2                                                                                                                                                     |     |
| 302  | 3312201     | 2   | NUT, 3/4-10                                                                                                                                                                   |     |
| 303  | 4712200     | 2   | WASHER, 3/4                                                                                                                                                                   |     |
| 304  | 4752200     | 2   | WASHER, 3/4                                                                                                                                                                   |     |
| 305  | 4762200     | 2   | WASHER, 3/4                                                                                                                                                                   |     |
| 306  | 1001104944  | 1   | BRACKET                                                                                                                                                                       |     |



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FIGURE 3-1. STANDARD CARRIAGE



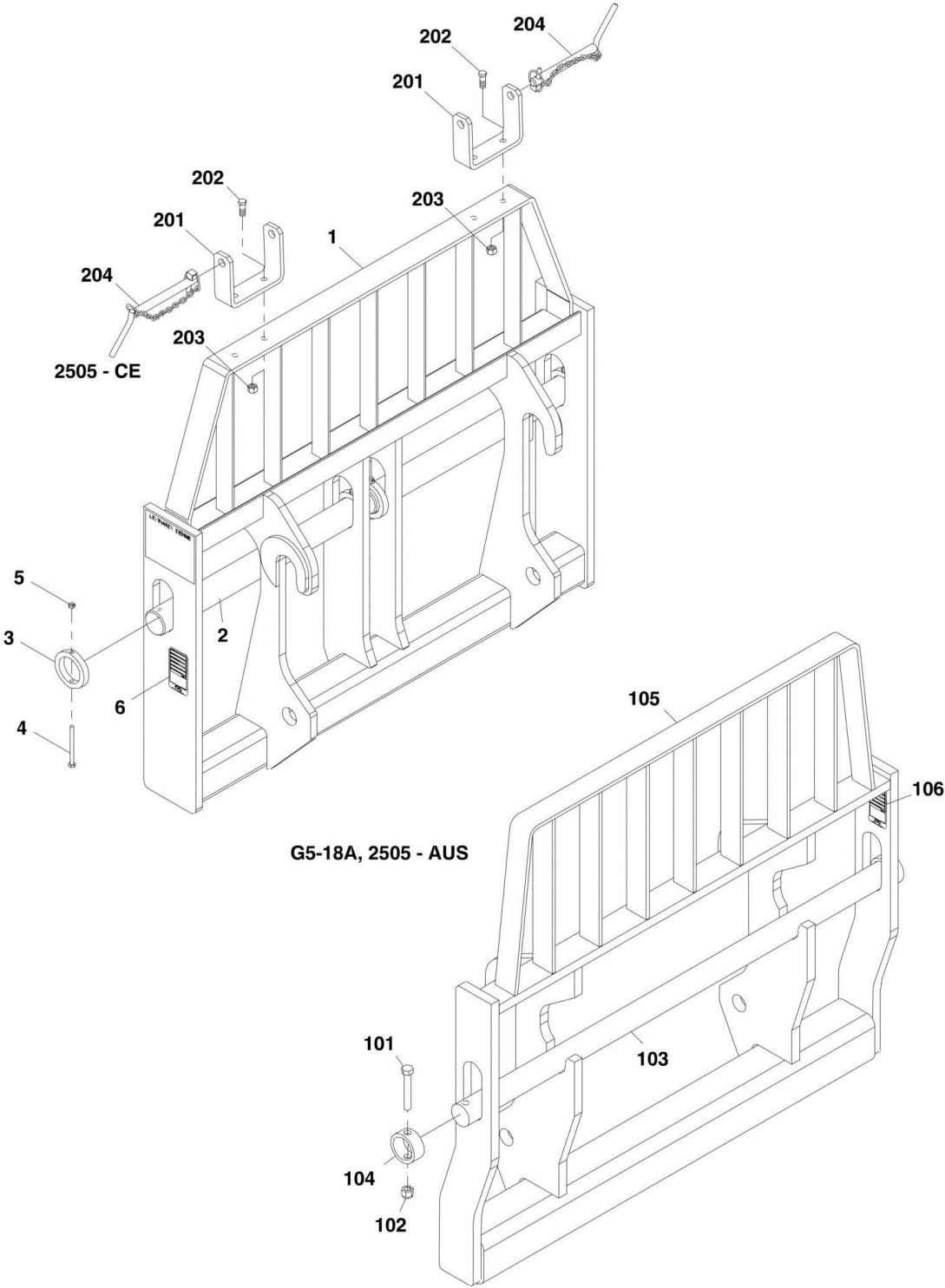
## SECTION 3 - ATTACHMENTS

**FIGURE 3-1. STANDARD CARRIAGE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                        | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001099736  | NLA | 48 IN STANDARD CARRIAGE, (G5-18A, 2505 - AUS), (no longer available, use 1001097283 for replacement or items 1 thru 7 for service) | B   |
| 1    | 7029691     | 4   | HEX HD CAPSCREW, 1/2X1-1/4                                                                                                         |     |
| 2    | 90554020    | 4   | LOCKWASHER, 1/2                                                                                                                    |     |
| 3    | 70021338    | 4   | FLAT HARD WASHER, 1/2                                                                                                              |     |
| 4    | 7029690     | 2   | FORK PIN RETAINER                                                                                                                  |     |
| 5    | 70021339    | 1   | FORK PIN                                                                                                                           |     |
| 6    | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                                                                  |     |
| 7    | N.S.S.      | 1   | SN PLATE                                                                                                                           |     |
|      | 1001097283  | 1   | 50 IN STANDARD CARRIAGE, (G5-18A, 2505 - AUS), (7000 lb), (includes items 101 thru 106)                                            | B   |
| 101  | 0642032     | 2   | HEX HD CAPSCREW, 5/8-11X4                                                                                                          |     |
| 102  | 3300240     | 2   | LOCKNUT, 5/8-11                                                                                                                    |     |
| 103  | 3423275     | 1   | 50 IN FORK PIN                                                                                                                     |     |
| 104  | 90200003    | 2   | COLLAR                                                                                                                             |     |
| 105  | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                                                                  |     |
| 106  | N.S.S.      | 1   | SN PLATE                                                                                                                           |     |
|      | 1170028     | 1   | 1200 MM STANDARD CARRIAGE, (2505 - CE), (4000 kg) (includes items 201 thru 207)                                                    | E   |
| 201  | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                                                                  |     |
| 202  | 4040283     | 2   | CARRIAGE SHAFT                                                                                                                     |     |
| 203  | 3760508     | 4   | SHAFT COLLAR                                                                                                                       |     |
| 204  | 0700827     | 4   | HEX HD CAPSCREW, M8X1.25                                                                                                           |     |
| 205  | 3290805     | 4   | LOCKNUT                                                                                                                            |     |
| 206  | N.S.S.      | 1   | SN PLATE                                                                                                                           |     |
| 207  | 1706702     | 1   | NAMEPLATE                                                                                                                          |     |

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FIGURE 3-2. UNIVERSAL STANDARD CARRIAGE



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## SECTION 3 - ATTACHMENTS

**FIGURE 3-2. UNIVERSAL STANDARD CARRIAGE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001101981  | 1   | 1200 MM STANDARD CARRIAGE, (2505 - CE), (use with universal quick coupler), (5500 lb), (includes items 1 thru 6)            | B   |
| 1    | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                                                           |     |
| 2    | 4040283     | 2   | CARRIAGE SHAFT                                                                                                              |     |
| 3    | 3760508     | 4   | SHAFT COLLAR                                                                                                                |     |
| 4    | 0700827     | 4   | HEX HD CAPSCREW, M8X1-1/4                                                                                                   |     |
| 5    | 3290805     | 4   | LOCKNUT                                                                                                                     |     |
| 6    | N.S.S.      | 1   | SN PLATE                                                                                                                    |     |
|      | 1001112793  | 1   | 48 IN STANDARD CARRIAGE, (G5-18A, 2505 - AUS), (use with universal quick coupler), (5500 lb), (includes items 101 thru 106) | A   |
| 101  | 0642032     | 2   | HEX HD CAPSCREW, 5/8-11X4, GR5                                                                                              |     |
| 102  | 3300240     | 2   | LOCKNUT, 5/8-11                                                                                                             |     |
| 103  | 3423275     | 1   | FORK PIN                                                                                                                    |     |
| 104  | 90200003    | 2   | FORK PIN COLLAR                                                                                                             |     |
| 105  | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                                                           |     |
| 106  | N.S.S.      | 1   | SN PLATE                                                                                                                    |     |
|      | 0240143     | 1   | FORK TRANSPORT LATCH ATTACHMENT, (Germany - if equipped), (includes items 201 thru 204)                                     | A   |
| 201  | 0903366     | 2   | LOCKING BRACKET                                                                                                             |     |
| 202  | 0761216     | 4   | HEX HD CAPSCREW, 12X40                                                                                                      |     |
| 203  | 3291205     | 4   | HEX LOCKNUT, M12X1-3/4                                                                                                      |     |
| 204  | 3423258     | 2   | LOCKING PIN                                                                                                                 |     |

## 52

**G5-18A,2505**



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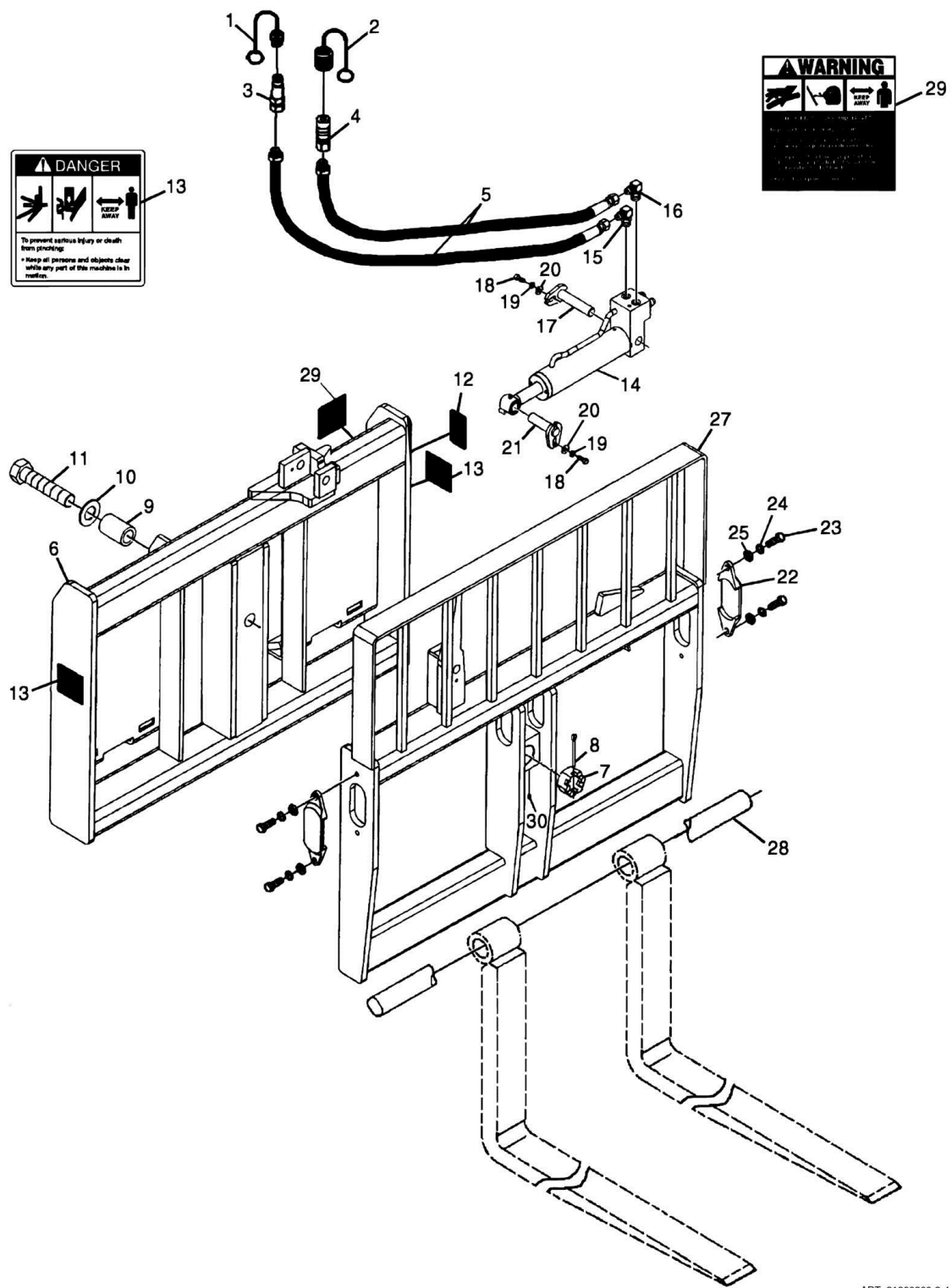
## SECTION 3 - ATTACHMENTS

**FIGURE 3-3. SIDE TILT CARRIAGE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                             | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------|-----|
|      | 1001099613  | 1   | 48IN SIDE TILT CARRIAGE, (G5-18A, 2505 - AUS), (7000 lb),<br>(includes items 1 thru 29) | C   |
| 1    | 70021349    | 2   | HEX HD CAPSCREW, 0.38X1.00                                                              |     |
| 2    | 7029691     | 4   | HEX HD CAPSCREW, 0.50X1.25                                                              |     |
| 3    | 90554042    | 2   | LOCKWASHER, 0.38                                                                        |     |
| 4    | 90554020    | 4   | LOCKWASHER, 0.50                                                                        |     |
| 5    | 70021350    | 2   | FLAT WASHER, 0.38                                                                       |     |
| 6    | 70021346    | 1   | FLAT WASHER, 1.50                                                                       |     |
| 7    | 70021338    | 4   | HARD WASHER, 0.50                                                                       |     |
| 8    | 7029700     | 1   | COTTER PIN                                                                              |     |
| 9    | 90554065    | 1   | ELBOW, 90                                                                               |     |
| 10   | 90554045    | 1   | GREASE FITTING                                                                          |     |
| 11   | 70021347    | 1   | HEX HD CAPSCREW, 1.50X7.00                                                              |     |
| 12   | 7029713     | 1   | HEX NUT, 1.50                                                                           |     |
| 13   | 7029690     | 2   | FORK PIN RETAINER                                                                       |     |
| 14   | 7029705     | 1   | ELBOW, 90                                                                               |     |
| 15   | 70021348    | 1   | PIN                                                                                     |     |
| 16   | 70021351    | 1   | PIN                                                                                     |     |
| 17   | 70021345    | 1   | SPACER                                                                                  |     |
| 18   | 7029692     | 1   | MALE QUICK ATTACH                                                                       |     |
| 19   | 70021342    | 1   | FEMALE QUICK ATTACH                                                                     |     |
| 20   | 70021343    | 2   | HOSE ASSY                                                                               |     |
| 21   | 90554017    | 2   | PINCH POINT DECAL                                                                       |     |
| 22   | 7029711     | 1   | HIGH PRESSURE DECAL                                                                     |     |
| 23   | 90554062    | 1   | DUST CAP                                                                                |     |
| 24   | 90554076    | 1   | DUST PLUG                                                                               |     |
| 25   |             | Ref | SIDE TILT CYLINDER, (See HYDRAULIC COMPONENTS<br>SECTION for Breakdown)                 |     |
| 26   | 70021339    | 1   | FORK PIN                                                                                |     |
| 27   | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                       |     |
| 28   | N.S.S.      | 1   | REAR FRAME WELDMENT                                                                     |     |
| 29   | N.S.S.      | 1   | SN PLATE                                                                                |     |

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FIGURE 3-4. UNIVERSAL SIDE TILT CARRIAGE - G5-18A



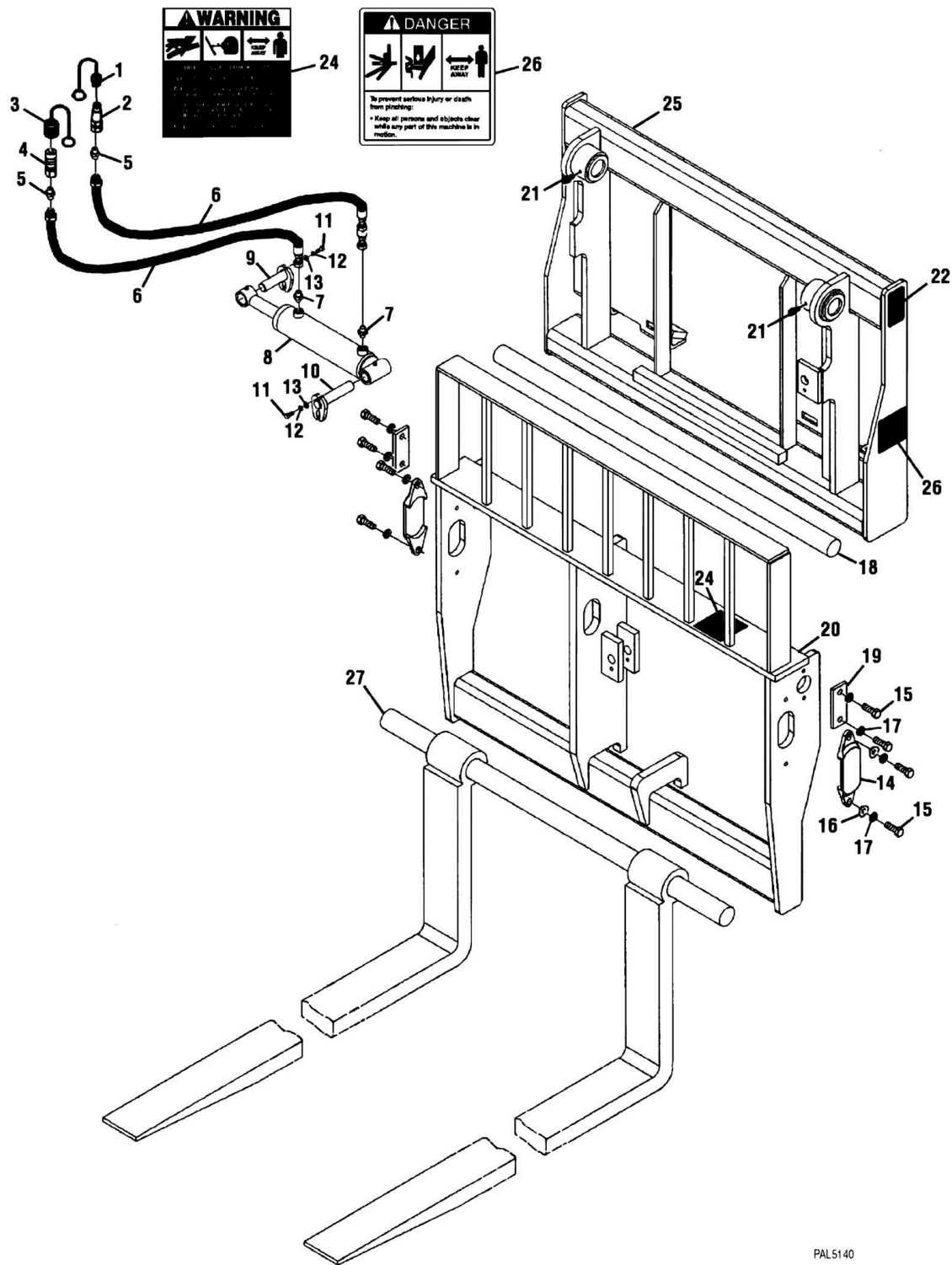
## SECTION 3 - ATTACHMENTS

**FIGURE 3-4. UNIVERSAL SIDE TILT CARRIAGE - G5-18A**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                     | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------|-----|
|      | 1001104008  | 1   | 48IN ROTATE/SIDE TILT CARRIAGE, (G5-18A), (used with universal quick coupler), (7000 lbs), (includes all items) | C   |
| 1    | 70022097    | 1   | DUST CAP                                                                                                        |     |
| 2    | 70022102    | 1   | DUST PLUG                                                                                                       |     |
| 3    | 70022103    | 1   | MALE QUICK COUPLER                                                                                              |     |
| 4    | 70022104    | 1   | FEMALE QUICK COUPLER                                                                                            |     |
| 5    | 70021343    | 2   | HOSE ASSY                                                                                                       |     |
| 6    | N.S.S.      | 1   | REAR FRAME WELDMENT                                                                                             |     |
| 7    | 7029713     | 1   | HEX NUT, 1.50                                                                                                   |     |
| 8    | 7029700     | 1   | COTTER PIN                                                                                                      |     |
| 9    | 70021345    | 1   | SPACER                                                                                                          |     |
| 10   | 70021346    | 1   | FLAT WASHER, 1.50                                                                                               |     |
| 11   | 70021347    | 1   | HEX HD CAPSCREW, 1.50X7.00                                                                                      |     |
| 12   | N.S.S.      | 1   | SN PLATE                                                                                                        |     |
| 13   | 90554017    | 2   | PINCH POINT DECAL                                                                                               |     |
| 14   |             | Ref | ROTATE/SIDE TILT CARRIAGE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                            |     |
| 15   | 90554065    | 1   | ELBOW, 90                                                                                                       |     |
| 16   | 7029705     | 1   | ELBOW, 90                                                                                                       |     |
| 17   | 70021348    | 1   | PIN                                                                                                             |     |
| 18   | 70021349    | 2   | HEX HD CAPSCREW, 0.38X1.00                                                                                      |     |
| 19   | 90554042    | 2   | LOCKWASHER, 0.38                                                                                                |     |
| 20   | 70021350    | 2   | FLAT WASHER, 0.38                                                                                               |     |
| 21   | 70021351    | 1   | PIN                                                                                                             |     |
| 22   | 7029690     | 2   | FORK PIN RETAINER                                                                                               |     |
| 23   | 7029691     | 4   | HEX HD CAPSCREW, 0.50X1.25                                                                                      |     |
| 24   | 70021338    | 4   | HARD WASHER, 0.50                                                                                               |     |
| 25   | 90554020    | 4   | LOCKWASHER, 0.50                                                                                                |     |
| 27   | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                                               |     |
| 28   | 70022105    | 1   | FORK PIN                                                                                                        |     |
| 29   | 7029711     | 1   | HIGH PRESSURE DECAL                                                                                             |     |
| 30   | 70022106    | 1   | GREASE FITTING                                                                                                  |     |

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FIGURE 3-5. UNIVERSAL SIDE SHIFT CARRIAGE



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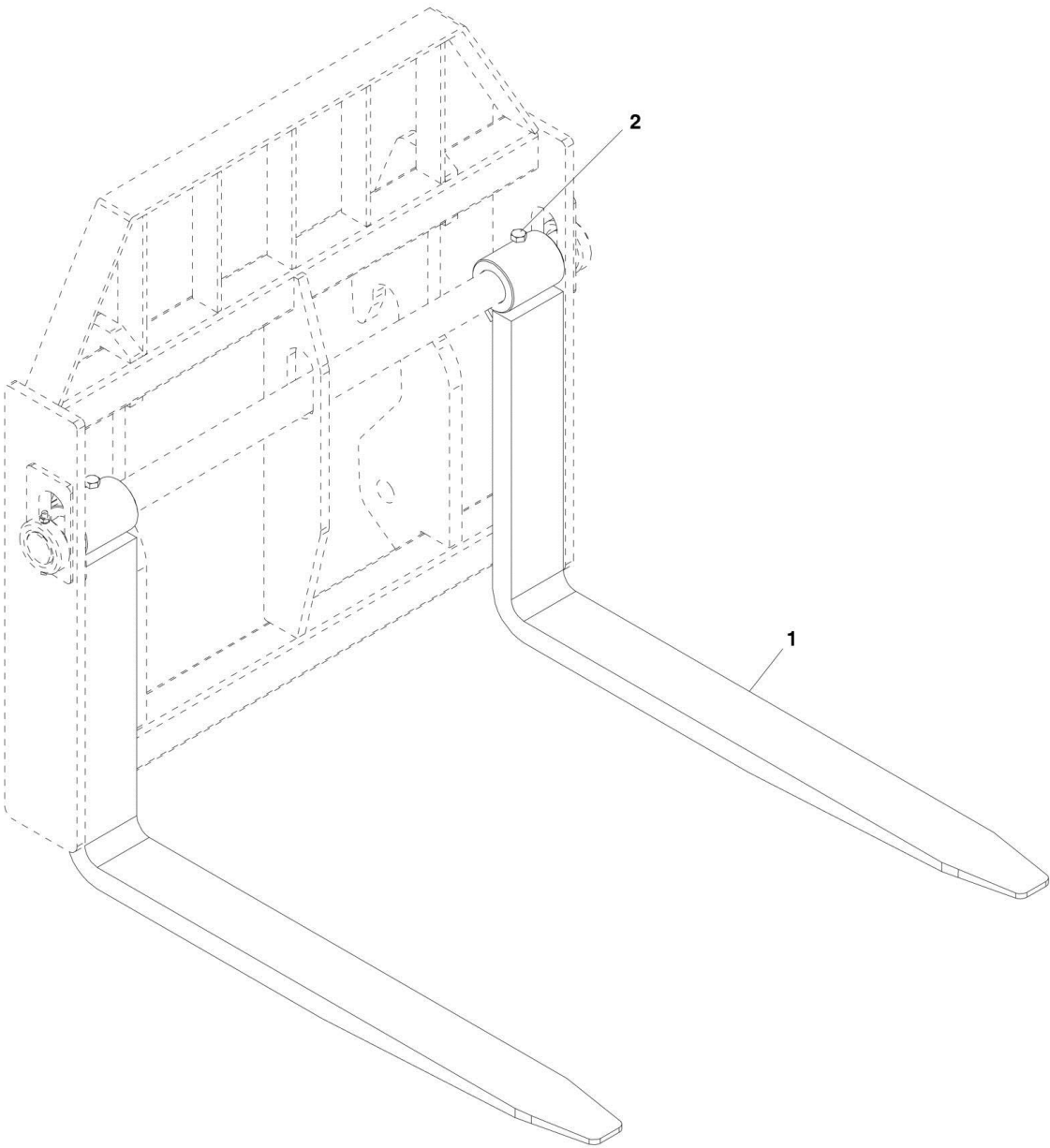
## SECTION 3 - ATTACHMENTS

**FIGURE 3-5. UNIVERSAL SIDE SHIFT CARRIAGE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001104022  | 1   | 48 IN UNIVERSAL SIDE SHIFT CARRIAGE, (G5-18A, 2505 - AUS), (used with universal quick coupler), (7000 lb), (includes all items) | A   |
| 1    | 70022097    | 1   | DUST CAP                                                                                                                        |     |
| 2    | 70022103    | 1   | MALE QUICK COUPLER                                                                                                              |     |
| 3    | 70022102    | 1   | DUST PLUG                                                                                                                       |     |
| 4    | 70022104    | 1   | FEMALE QUICK COUPLER                                                                                                            |     |
| 5    | 70021397    | 2   | STRAIGHT CONNECTOR                                                                                                              |     |
| 6    | 70022107    | 2   | HOSE ASSY                                                                                                                       |     |
| 7    | 70021415    | 2   | STRAIGHT CONNECTOR                                                                                                              |     |
| 8    |             | Ref | UNIVERSAL SIDE SHIFT CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                            |     |
| 9    | 70022109    | 1   | PIN                                                                                                                             |     |
| 10   | 70022110    | 1   | PIN                                                                                                                             |     |
| 11   | 70021349    | 2   | HEX HD CAPSCREW, 0.38X1.00                                                                                                      |     |
| 12   | 70021350    | 2   | FLAT WASHER, 0.38                                                                                                               |     |
| 13   | 90554042    | 2   | LOCKWASHER, 0.38                                                                                                                |     |
| 14   | 7029690     | 2   | FORK PIN RETAINER                                                                                                               |     |
| 15   |             | Ref | HEX HD CAPSCREW, 0.5X1.25                                                                                                       |     |
| 16   | 90554020    | 8   | LOCKWASHER, 0.50                                                                                                                |     |
| 17   | 70021338    | 4   | HARD WASHER                                                                                                                     |     |
| 18   | 70022111    | 1   | SIDE SHIFT PIN                                                                                                                  |     |
| 19   | 70022112    | 1   | SIDE SHIFT PIN RETAINER                                                                                                         |     |
| 20   | N.S.S.      | 1   | CARRIAGE WELDMENT                                                                                                               |     |
| 21   | 7029714     | 2   | GREASE FITTING                                                                                                                  |     |
| 22   | N.S.S.      | 1   | SN PLATE                                                                                                                        |     |
| 24   | 7029711     | 1   | HIGH PRESSURE DECAL                                                                                                             |     |
| 25   | N.S.S.      | 1   | REAR FRAME WELDMENT                                                                                                             |     |
| 26   | 90554017    | 2   | PINCH POINT DECAL                                                                                                               |     |
| 27   | 70022105    | 1   | FORK PIN                                                                                                                        |     |

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FIGURE 3-6. FORKS



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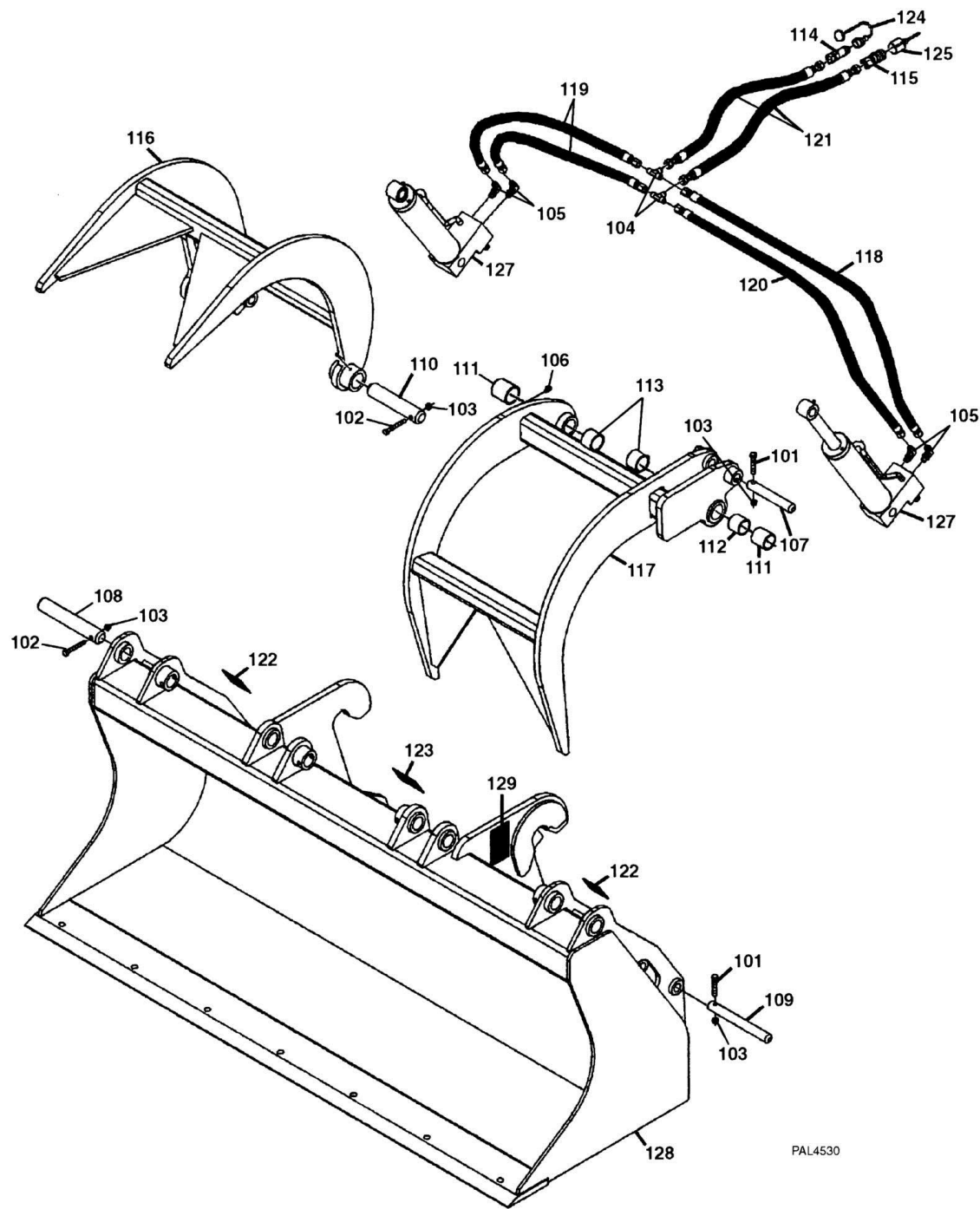
**FIGURE 3-6. FORKS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                       | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------|-----|
|      | 2340037     | 4   | CUBING FORK, 2X2X48, (G5-18A, 2505 - AUS), (7760 lb)                                              | A   |
|      | 1001099458  | 2   | PALLET FORK, 2X4X48, (G5-18A, 2505 - AUS), (7600 lb)                                              | C   |
|      | 1001099457  | 2   | LUMBER FORK, 1.5X6X60, (G5-18A, 2505 - AUS), (7300 lb)                                            | C   |
|      | 1001007537  | 1   | PALLET FORK, (2505 - CE), (sold as a pair)                                                        | B   |
| 1    | 1001007527  | 2   | PALLET FORK, 45X100X1070 mm, (3880 kg)                                                            |     |
| 2    | 1001109113  | 2   | HEX HD CAPSCREW, 5/8-18X1-1/2, GR8                                                                |     |
|      | 1001007539  | 1   | PALLET FORK, (2505 - CE), (sold as a pair)                                                        | B   |
| 1    | 1001007529  | 2   | PALLET FORK, 50X100X1525 mm, (5000 kg)                                                            |     |
| 2    | 1001109113  | 2   | HEX HD CAPSCREW, 5/8-18X1-1/2, GR8                                                                |     |
|      | 2340040     | NLA | PALLET FORK, (2505 - CE), (sold as a pair), (no longer available, use 1001117945 for replacement) | C   |
|      | 1001117945  | 1   | PALLET FORK, (2505 - CE), (sold as pair)                                                          | C   |
| 1    | 2340043     | 1   | PALLET FORK, 50X120X1200 mm, (2000 kg)                                                            |     |
| 2    | 0761612     | 1   | HEX HD CAPSCREW, M16X25                                                                           |     |
|      | 2340041     | 1   | PALLET FORK, (2505 - CE), (sold as a pair)                                                        | C   |
| 1    | 2340044     | 1   | FORK, 50X100X1200 mm, (2000 kg)                                                                   |     |
| 2    | 0761612     | 1   | HEX HD CAPSCREW, M16X25                                                                           |     |

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FIGURE 3-7. GRAPPLE BUCKET

G5-18A, 2505 - AUS



PAL4530



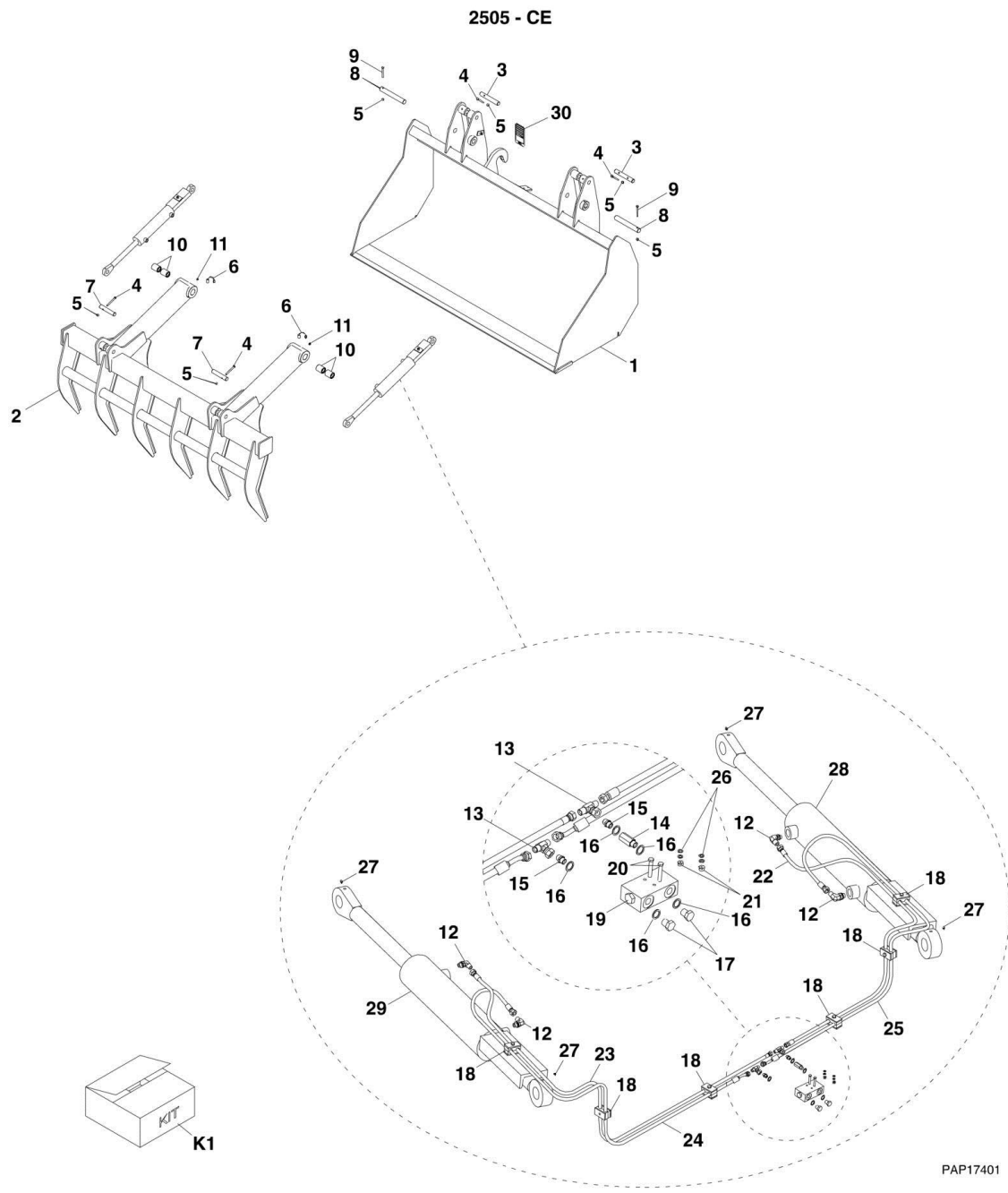
## SECTION 3 - ATTACHMENTS

**FIGURE 3-7. GRAPPLE BUCKET**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                     | REV |
|------|-------------|-----|-----------------------------------------------------------------|-----|
|      | 1001099831  | 1   | GRAPPLE BUCKET, (G5-18A, 2505 - AUS), (includes all items)      | B   |
| 101  | 70021399    | 4   | HEX HD CAPSCREW, 0.38X2.25                                      |     |
| 102  | 70021366    | 4   | HEX HD CAPSCREW, 0.38X2.75                                      |     |
| 103  | 70021367    | 8   | LOCKNUT, 0.38                                                   |     |
| 104  | 70020562    | 2   | TEE                                                             |     |
| 105  | 90554065    | 4   | ELBOW, 90                                                       |     |
| 106  | 7029714     | 4   | GREASE FITTING                                                  |     |
| 107  | 70021364    | 2   | PIN                                                             |     |
| 108  | 70021361    | 2   | PIN                                                             |     |
| 109  | 70021365    | 2   | PIN                                                             |     |
| 110  | 70021362    | 2   | PIN                                                             |     |
| 111  | 70021360    | 4   | BUSHING                                                         |     |
| 112  | 70021359    | 2   | SPACER                                                          |     |
| 113  | 70021358    | 4   | BUSHING                                                         |     |
| 114  | 7029692     | 1   | MALE QUICK ATTACH                                               |     |
| 115  | 70021342    | 1   | FEMALE QUICK ATTACH                                             |     |
| 116  | 70021356    | 1   | RH GRAPPLE HOOK                                                 |     |
| 117  | 70021357    | 1   | LH GRAPPLE HOOK                                                 |     |
| 118  | 70020560    | 1   | HOSE ASSY                                                       |     |
| 119  | 70021368    | 2   | HOSE ASSY                                                       |     |
| 120  | 70021370    | 1   | HOSE ASSY                                                       |     |
| 121  | 70021369    | 2   | HOSE ASSY                                                       |     |
| 122  | 90554017    | 2   | PINCH POINT DECAL                                               |     |
| 123  | 7029711     | 1   | HIGH PRESSURE DECAL                                             |     |
| 124  | 90554062    | 1   | DUST CAP                                                        |     |
| 125  | 90554076    | 1   | DUST PLUG                                                       |     |
| 126  | 70021387    | 4   | CLAMP, (not shown)                                              |     |
| 127  |             | Ref | CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 128  | N.S.S.      | 1   | GRAPPLE GATE                                                    |     |
| 129  | N.S.S.      | 1   | SN PLATE                                                        |     |

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FIGURE 3-8. GRAPPLE BUCKET - 2505



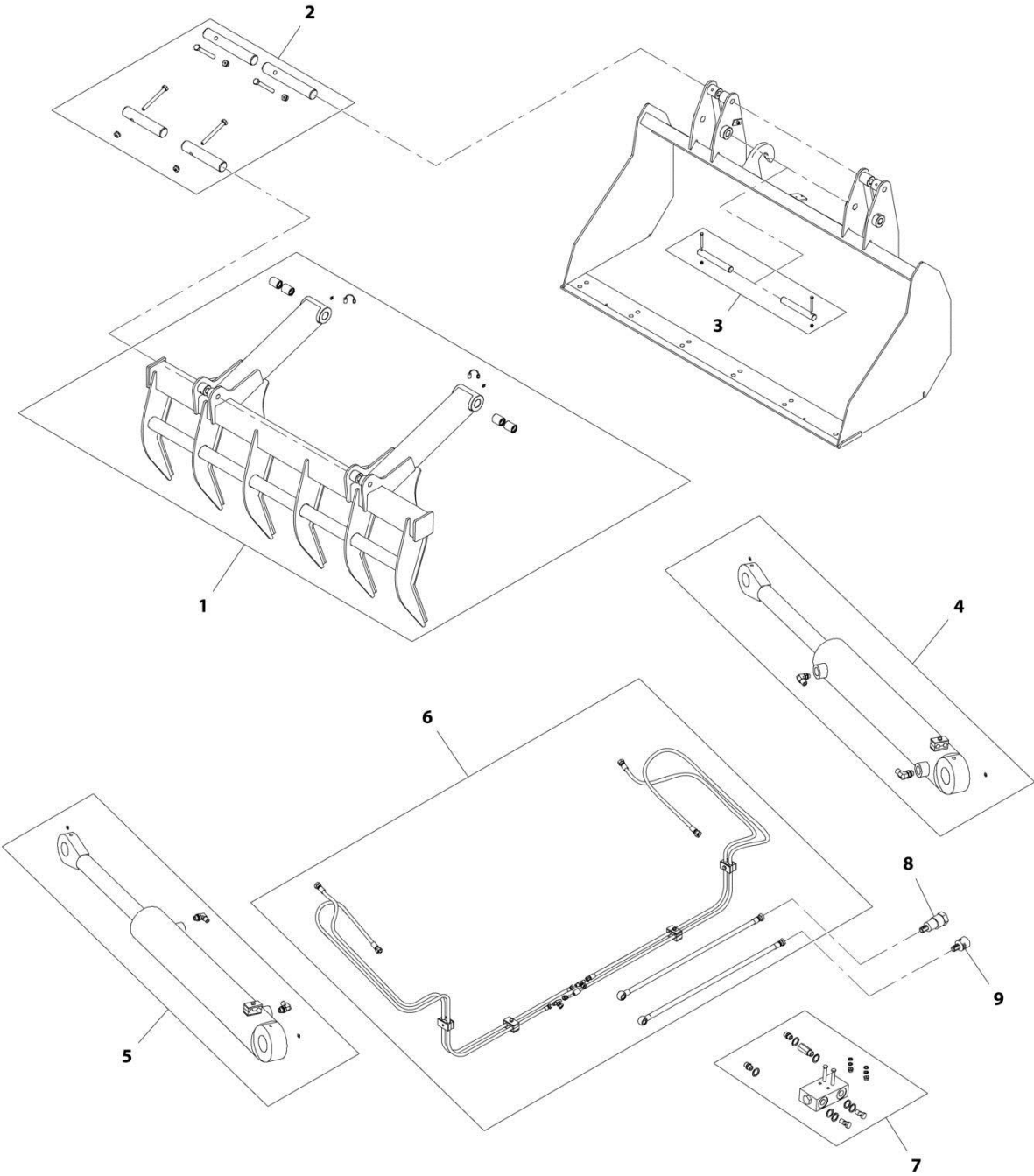
## SECTION 3 - ATTACHMENTS

**FIGURE 3-8. GRAPPLE BUCKET - 2505**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001101977  | NLA | GRAPPLE BUCKET, (2505 - CE), (no longer available, see items 1 thru 30 for service or use 1001180466 for replacement) | C   |
| 1    | N.S.S.      | 1   | GRAPPLE BUCKET                                                                                                        |     |
| 2    | 70022896    | 1   | CLAMP                                                                                                                 |     |
| 3    | 70022897    | 2   | PIN                                                                                                                   |     |
| 4    | 70022898    | 4   | PIN                                                                                                                   |     |
| 5    | 3290805     | 6   | LOCKNUT, M8                                                                                                           |     |
| 6    | 70021243    | 2   | GREASE FITTING COVER                                                                                                  |     |
| 7    | 70022899    | 2   | PIN                                                                                                                   |     |
| 8    | 70022900    | 2   | PIN                                                                                                                   |     |
| 9    | 70022901    | 2   | PIN                                                                                                                   |     |
| 10   | 70022902    | 4   | BUSHING                                                                                                               |     |
| 11   | 70021242    | 2   | GREASE FITTING                                                                                                        |     |
| 12   | 70022903    | 4   | FITTING, 90                                                                                                           |     |
| 13   | 70022904    | 2   | TEE FITTING                                                                                                           |     |
| 14   | 70022905    | 1   | ADAPTER                                                                                                               |     |
| 15   | 70022906    | 2   | ADAPTER                                                                                                               |     |
| 16   | 70022907    | 5   | O-RING                                                                                                                |     |
| 17   | 70022908    | 2   | PLUG                                                                                                                  |     |
| 18   | 1001103533  | 6   | CLAMP                                                                                                                 |     |
| 19   | 70022910    | 1   | VALVE                                                                                                                 |     |
| 20   | 70022911    | 2   | BOLT, M6X55                                                                                                           |     |
| 21   | 70022912    | 2   | BOLT, M6                                                                                                              |     |
| 22   | 70022913    | 1   | PIPE ASSY                                                                                                             |     |
| 23   | 70022914    | 1   | PIPE ASSY                                                                                                             |     |
| 24   | 70022915    | 1   | PIPE ASSY                                                                                                             |     |
| 25   | 70022916    | 1   | PIPE ASSY                                                                                                             |     |
| 26   | 70022917    | 4   | GASKET                                                                                                                |     |
| 27   | 70021246    | 4   | GREASE FITTING                                                                                                        |     |
| 28   | 70022918    | 1   | HYDRAULIC CYLINDER                                                                                                    |     |
| 29   | 70022919    | 1   | HYDRAULIC CYLINDER                                                                                                    |     |
| 30   | N.S.S.      | 1   | SN PLATE                                                                                                              |     |
| K1   | 70023275    | 1   | CYLINDER SEAL KIT, (for use with items 28 or 29)                                                                      |     |

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FIGURE 3-9. GRAPPLE BUCKET



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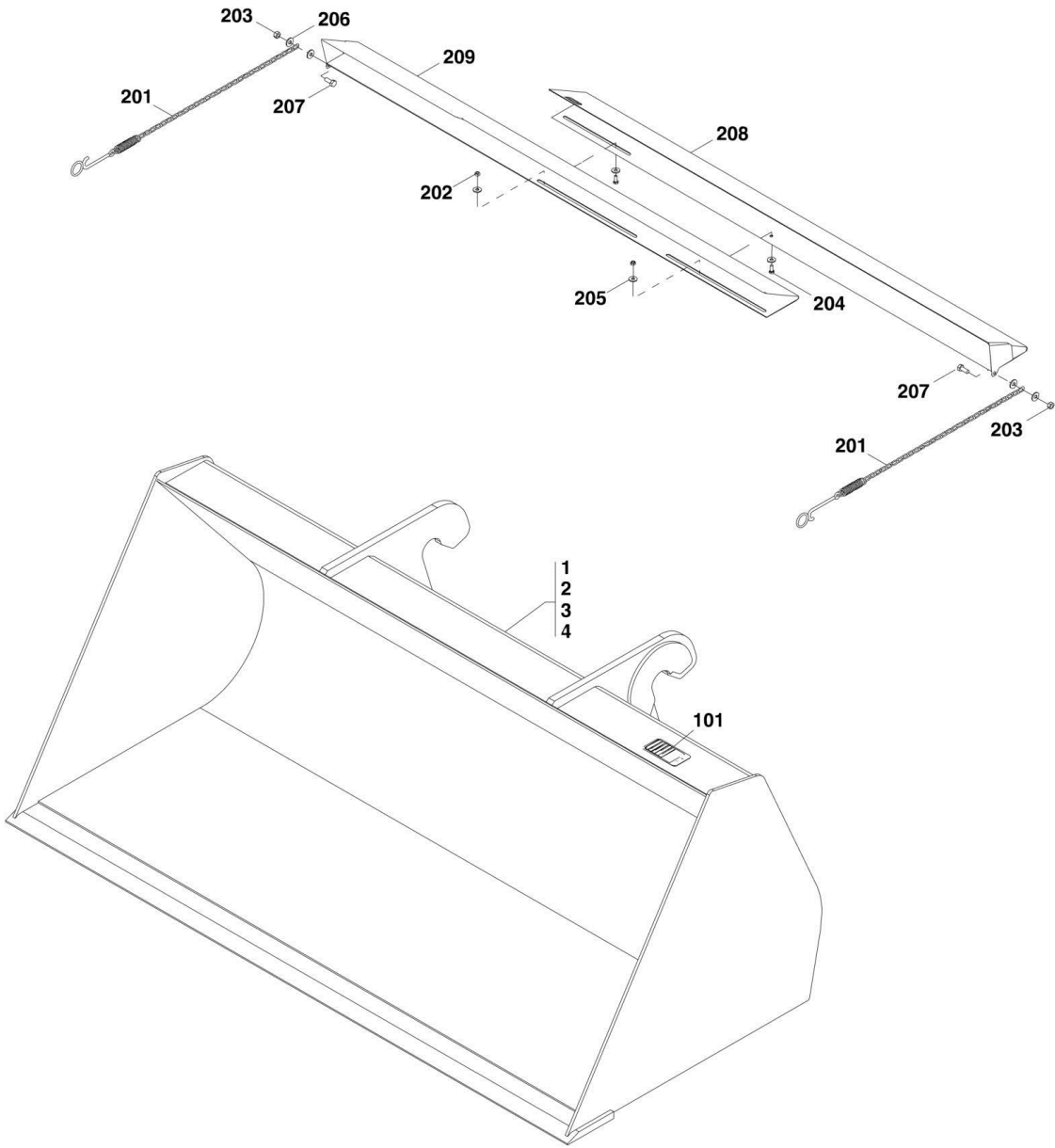
## SECTION 3 - ATTACHMENTS

**FIGURE 3-9. GRAPPLE BUCKET**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                | REV |
|------|-------------|-----|--------------------------------------------|-----|
|      | 1001180466  | Ref | GRAPPLE BUCKET, (CE), (includes all items) | A   |
| 1    | 70027306    | 1   | KIT, CLAMP                                 |     |
| 2    | 70027307    | 1   | KIT, PIN CLAMP                             |     |
| 3    | 70027308    | 1   | KIT, PIN CYLINDER                          |     |
| 4    | 70027309    | 1   | KIT, HYDRAULIC CYLINDER DX                 |     |
| 5    | 70027310    | 1   | KIT, HYDRAULIC CYLINDER SX                 |     |
| 6    | 70027311    | 1   | KIT, FLEXIBLE PIPE                         |     |
| 7    | 70027312    | 1   | KIT, VALVE                                 |     |
| 8    | 1001094556  | 1   | COUPLING, MALE QUICK DISCONNECT            |     |
| 9    | 1001094555  | 1   | COUPLING, FEMALE QUICK DISCONNECT          |     |

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FIGURE 3-10. LIGHT MATERIAL BUCKETS



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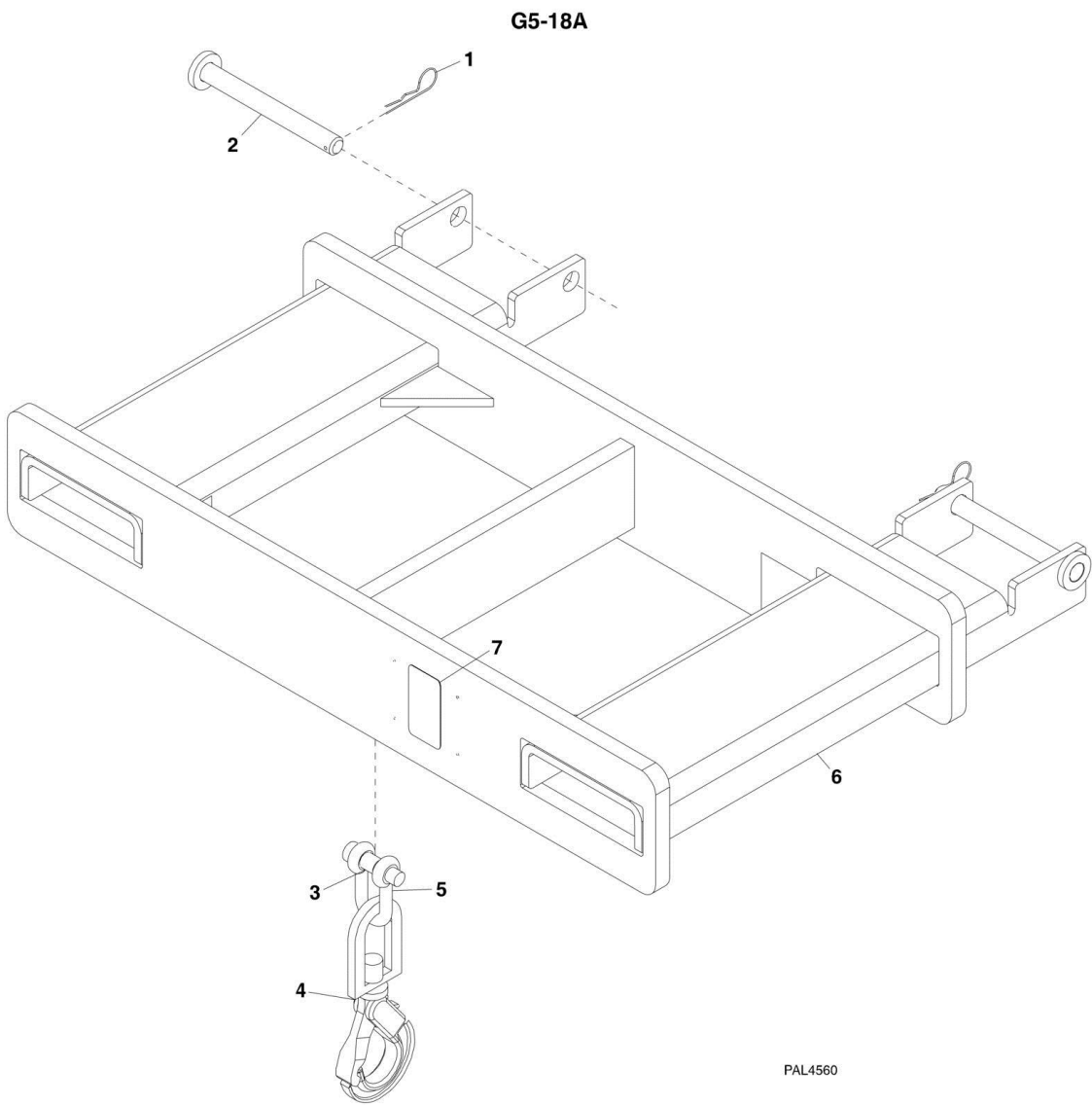
## SECTION 3 - ATTACHMENTS

**FIGURE 3-10. LIGHT MATERIAL BUCKETS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                         | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------|-----|
| 1    | 1001099615  | 1   | 1.0 CU YD LIGHT MATERIAL BUCKET, (G5-18A, 2505 - AUS), (72 in), (includes item 101) | B   |
| 2    | 1001101979  | 1   | 0.8 CU M LIGHT MATERIAL BUCKET, (2505 - CE), (1800mm), (includes item 101)          | C   |
| 3    | 1001099614  | 1   | 1.7 CU YD LIGHT MATERIAL BUCKET, (G5-18A, 2505 - AUS), (72 in), (includes item 101) | B   |
| 4    | 1001101978  | 1   | 1.3 CU M LIGHT MATERIAL BUCKET, (2505 - CE), (1800mm), (includes item 101)          | B   |
| 101  | N.S.S.      | 1   | SN PLATE                                                                            |     |
|      | 1001105476  | 1   | BUCKET GUARD ACCESSORY, (Germany - if equipped), (includes items 201 thru 209)      | B   |
| 201  | 1001003064  | 2   | RETAINER ASSY                                                                       |     |
| 202  | 3290601     | 2   | HEX NUT, M6X1                                                                       |     |
| 203  | 1001008605  | 2   | NUT                                                                                 |     |
| 204  | 8303545     | 2   | HEX HD CAPSCREW, M6X14, GR8.8                                                       |     |
| 205  | 10701275    | 4   | HARD WASHER, 0.312X0.065                                                            |     |
| 206  | 1001008666  | 4   | HARD WASHER                                                                         |     |
| 207  | 0760810     | 2   | HEX HD CAPSCREW, M8X20, GR8.8                                                       |     |
| 208  | 1001105474  | 1   | RIGHT BUCKET GUARD PLATE                                                            |     |
| 209  | 1001105475  | 1   | LEFT BUCKET GUARD PLATE                                                             |     |

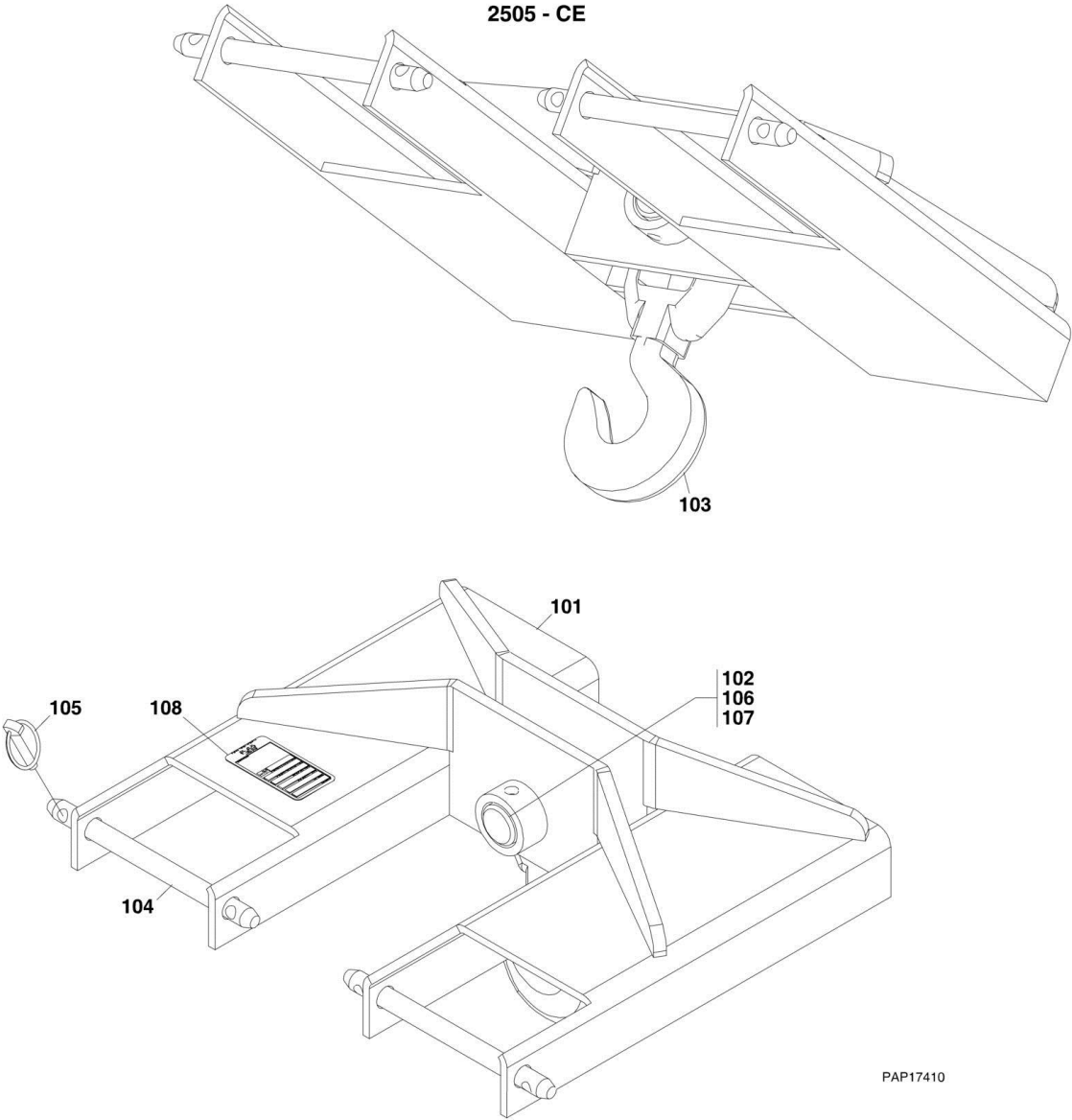
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FIGURE 3-11. FORK MOUNTED HOOK





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## SECTION 3 - ATTACHMENTS

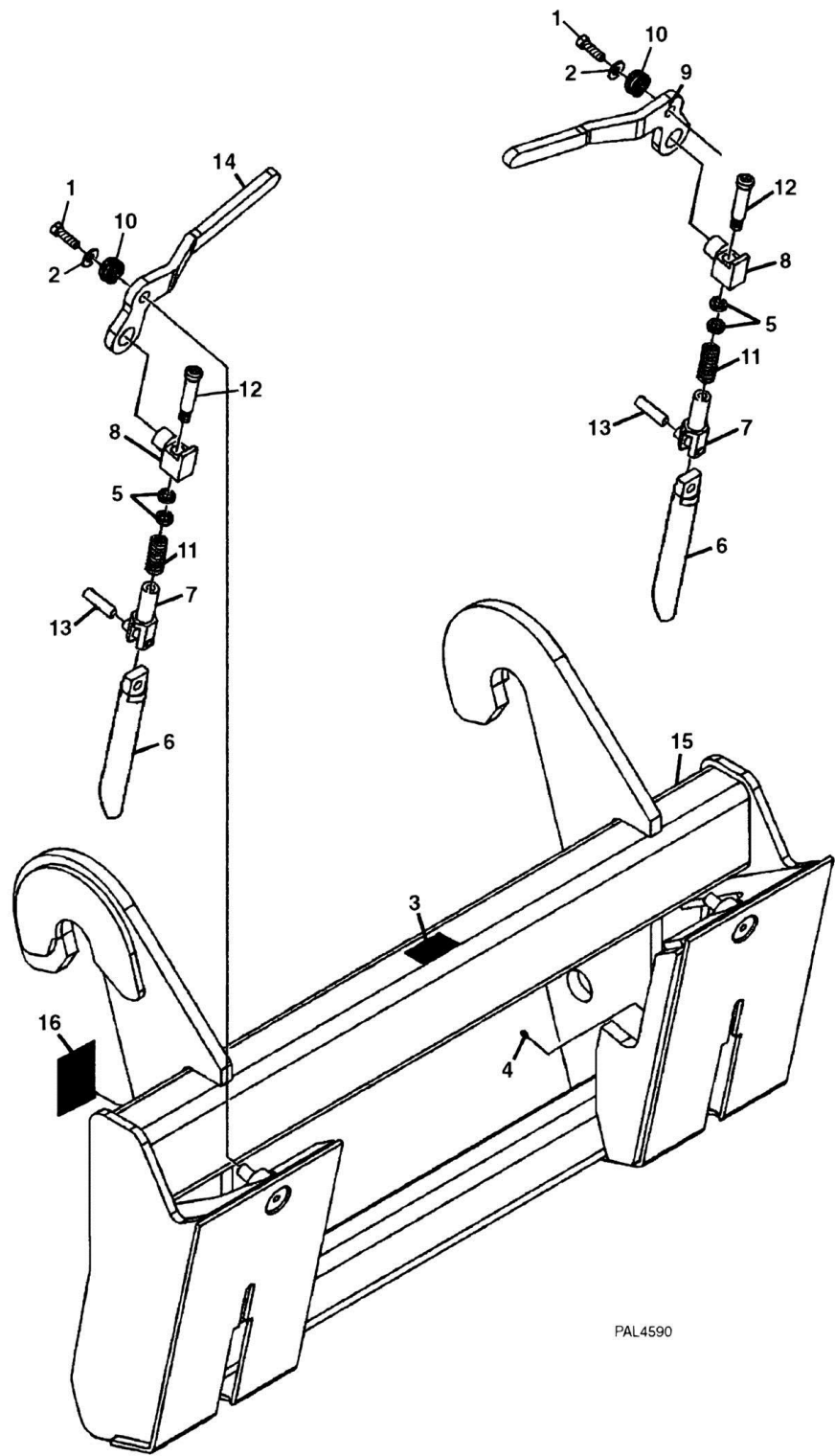
**FIGURE 3-11. FORK MOUNTED HOOK**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                        | REV |
|------|-------------|-----|--------------------------------------------------------------------|-----|
|      | 91565094    | 1   | FORK MOUNTED HOOK, (G5-18A), (includes items 1 thru 7)             | F   |
| 1    | 7029520     | 2   | COTTER PIN                                                         |     |
| 2    | 1001093171  | 2   | PIN                                                                |     |
| 3    | 70020555    | 1   | BUSHING                                                            |     |
| 4    | 90554080    | 1   | HOOK                                                               |     |
| 5    | 7029521     | 1   | CHAIN                                                              |     |
| 6    | N.S.S.      | 1   | FORK MOUNTED HOOK WELDMENT                                         |     |
| 7    | N.S.S.      | 1   | SN PLATE                                                           | B   |
|      | 2700118     | 1   | FORK MOUNTED HOOK ASSY, (2505 - CE), (includes items 101 thru 108) |     |
| 101  | N.S.S.      | 1   | FORK MOUNTED HOOK WELDMENT                                         |     |
| 102  | 70020201    | 1   | PIN                                                                |     |
| 103  | 70020202    | 1   | HOOK                                                               |     |
| 104  | 70020203    | 2   | PIN                                                                |     |
| 105  | 70020204    | 4   | RETAINING RING                                                     |     |
| 106  | 70020205    | 1   | BOLT                                                               |     |
| 107  | 70020206    | 1   | SELF LOCKING NUT                                                   |     |
| 108  | N.S.S.      | 1   | SN PLATE                                                           |     |



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FIGURE 3-12. UNIVERSAL HITCH ATTACH



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**FIGURE 3-12. UNIVERSAL HITCH ATTACH**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                        | REV |
|------|-------------|-----|--------------------------------------------------------------------|-----|
|      | 1001099425  | 1   | UNIVERSAL HITCH ATTACH, (G5-18A, 2505 - AUS), (includes all items) | B   |
|      | 1001102333  | 1   | UNIVERSAL HITCH ATTACH, (2505 - CE), (includes all items)          | C   |
| 1    | 70021429    | 2   | HEX HD CAPSCREW, 0.38X1.25                                         |     |
| 2    | 70021350    | 2   | FLAT WASHER, 0.38                                                  |     |
| 3    | 90554016    | 1   | MADE IN USA DECAL                                                  |     |
| 4    | 90554045    | 2   | GREASE FITTING                                                     |     |
| 5    | 70021430    | 4   | SPACER                                                             |     |
| 6    | 70021431    | 2   | LOCKING PIN                                                        |     |
| 7    | 70021432    | 2   | CLEVIS                                                             |     |
| 8    | 70021433    | 2   | BEARING                                                            |     |
| 9    | 70021434    | 1   | LEFT LOCK HANDLE                                                   |     |
| 10   | 70021384    | 2   | SPRING LOCK HANDLE                                                 |     |
| 11   | 70021435    | 2   | CLEVIS SPRING                                                      |     |
| 12   | 70021436    | 2   | BOLT                                                               |     |
| 13   | 70021437    | 2   | PIN                                                                |     |
| 14   | 70021438    | 1   | RIGHT LOCK HANDLE                                                  |     |
| 15   | N.S.S.      | 1   | UNIVERSAL ATTACH WELDMENT                                          |     |
| 16   | N.S.S.      | 1   | SN PLATE                                                           |     |



## **SECTION 4 - ENGINE AND ATTACHING PARTS**

## **SECTION 4 - ENGINE AND ATTACHING PARTS**

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## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-1. ENGINE INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                            | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------|-----|
| 1    |             | Ref | RADIATOR/OIL COOLER INSTALLATION, (See RADIATOR/OIL COOLER INSTALLATION for Breakdown) |     |
| 6    | 0641606     | 4   | HEX HD CAPSCREW, 3/8-16X3/4, GR5                                                       |     |
| 7    | 0681828     | 4   | HEX HD CAPSCREW, 1/2-13X3-1/2, GR5                                                     |     |
| 8    | 8275212     | 1   | MUFFLER CLAMP                                                                          |     |
| 9    | 1320022     | 5   | FUEL LINE CLAMP                                                                        |     |
| 10   | 2131216     | 2   | FITTING, 90                                                                            |     |
| 13   | 3271801     | 4   | NUT, 1/2-13, GR8                                                                       |     |
| 15   | 4711600     | 4   | WASHER, 3/8                                                                            |     |
| 16   | 8310308     | 8   | WASHER, 1/2                                                                            |     |
| 17   | 8406105     | 1   | CLIP                                                                                   |     |
| 18   | 1001138172  | 4   | ENGINE MOUNT WASHER                                                                    |     |
| 19   | 91563213    | 4   | RUBBER ENGINE MOUNT                                                                    |     |
| 20   | 1001004708  | 1   | FLANGE                                                                                 |     |
| 22   |             | Ref | PRIORITY VALVE, (See HYDRAULIC CIRCUITS SECTION for Breakdown)                         |     |
| 23   | 1001081323  | 1   | HOSE ASSY                                                                              |     |
| 28   | 1001081319  | 1   | HYDRAULIC OIL FILTER                                                                   |     |
| 28   | 1001081316  | 1   | REPLACEMENT ELEMENT                                                                    |     |
| 32   |             | Ref | PRE-FUEL FILTER ASSY, (See PERKINS ENGINE for Breakdown)                               |     |
| 33   | 1001080831  | 1   | WATER SEPARATOR SUPPORT MOUNT                                                          |     |
| 34   | 1001080890  | 2   | ADAPTOR                                                                                |     |
| 35   | 1001096130  | 1   | EXHAUST TUBE                                                                           |     |
| 37   | 1001096464  | 1   | SUPPORT BRACKET                                                                        |     |
| 38   | 1001096498  | 1   | FLEX EXHAUST PIPE                                                                      |     |
| 39   |             | Ref | ENGINE ASSY, PERKINS, (See ENGINE ASSEMBLY for Breakdown)                              |     |
| 40   | 1001097412  | 4   | ENGINE MOUNT WASHER                                                                    |     |
| 41   | 1321301     | 8   | HOSE CLAMP                                                                             |     |
| 43   | 1001080938  | 1   | RETURN FUEL LINE HOSE                                                                  |     |
| 44   | 1001080939  | 1   | SUPPLY FUEL LINE HOSE                                                                  |     |
| 45   | 1001080940  | 1   | SEPARATOR FUEL LINE                                                                    |     |
| 48   | 0630582     | 3   | ENGINE EXHAUST BOLT                                                                    |     |
| 49   | 3291001     | 4   | HEX NUT, M10X1-1/2, GR8                                                                |     |
| 51   | 0641408     | 4   | HEX HD CAPSCREW, 1/4-20X1, GR5                                                         |     |
| 52   | 4711400     | 8   | WASHER, 10mm                                                                           |     |
| 53   | 8303114     | 1   | HEX HD CAPSCREW, 1/4-20X2-1/4, GR5                                                     |     |
| 54   | 4812000     | 3   | WASHER, 10mm                                                                           |     |
| 55   | 4812100     | 1   | WASHER, 12mm                                                                           |     |
| 56   | 85841094    | 1   | SUPPORT CLAMP                                                                          |     |
| 57   | 1001008741  | 2   | CLIP                                                                                   |     |
| 58   | 1001080996  | 2   | CLAMP                                                                                  |     |
| 59   | 1001080997  | 1   | FUEL RETURN HOSE                                                                       |     |
| 60   | 0701215     | 1   | HEX HD CAPSCREW, M12X35, GR8.8                                                         |     |
| 61   | 4240033     | 2   | TIE STRAP                                                                              |     |
| 62   | 0761010     | 2   | HEX HD CAPSCREW, M10X20, GR8.8                                                         |     |
| 64   | 1001081155  | 1   | INSULATION                                                                             |     |
| 65   | 1001101451  | 1   | MUFFLER CLAMP                                                                          |     |
| 66   | 3900272     | 5   | BUTTON HD SCREW, 5/16-18X1-3/4                                                         |     |
| 67   | 1001096148  | 1   | CONTINUOUS HINGE                                                                       |     |

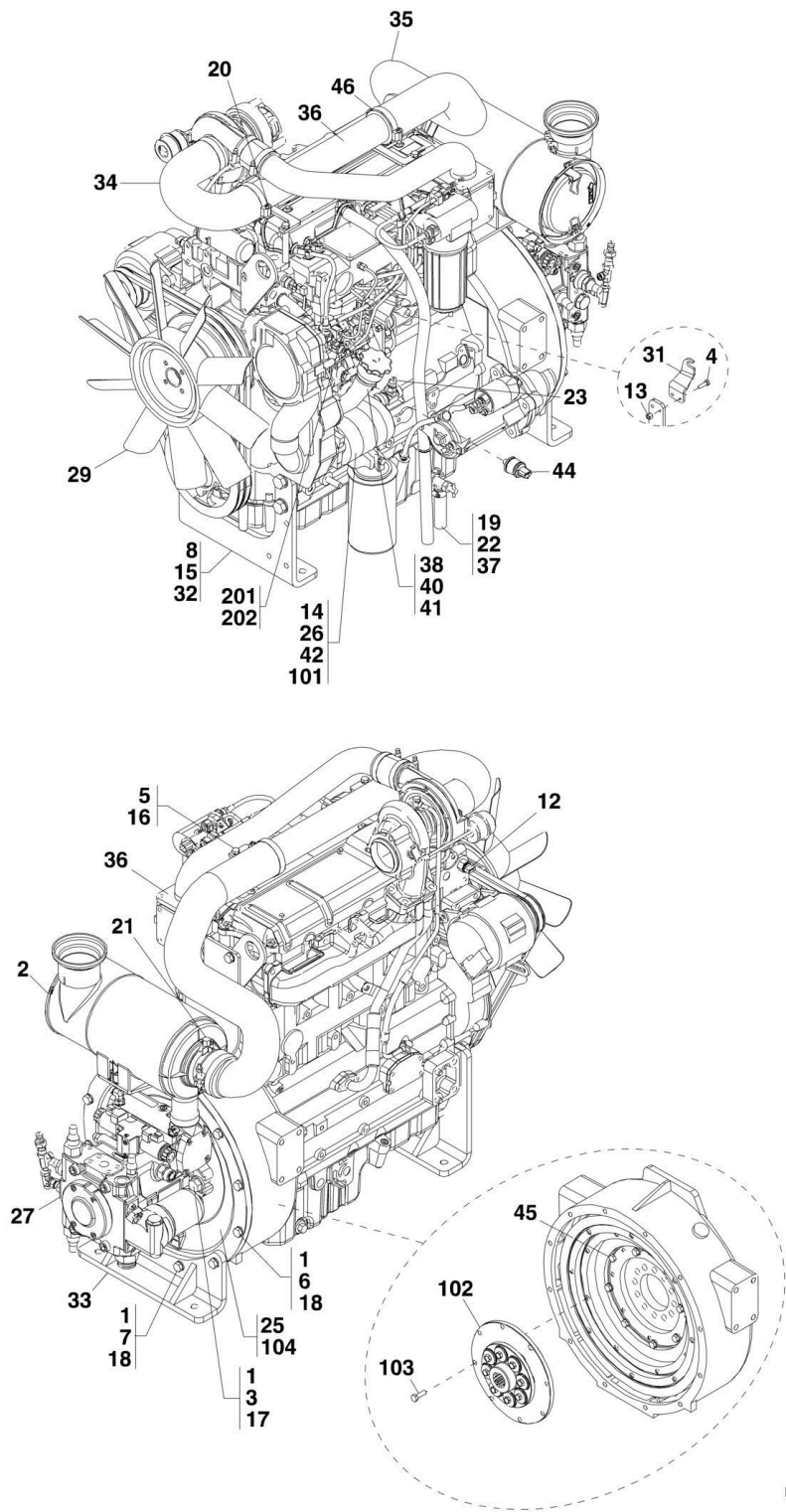
**SECTION 4 - ENGINE AND ATTACHING PARTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                    | REV |
|------|-------------|-----|--------------------------------|-----|
| 68   | 1001125649  | 2   | ENGINE ISOLATOR MOUNT          |     |
| 69   | 1001141339  | 1   | FUEL HOSE CLAMP BRACKET        |     |
| 70   | 0761008     | 1   | HEX HD CAPSCREW, M10X16, GR8.8 |     |
| 71   | 0100011     | AR  | LOCTITE 242                    |     |
| 101  | 1001080564  | 1   | THROTTLE CONTROL CABLE         |     |



SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE ASSEMBLY



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## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-2. ENGINE ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                   | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------|-----|
|      | 1001080268  | 1   | PERKINS ENGINE, 84 HP, (includes items 1 thru 46)                                             | P   |
| 1    | 0100011     | AR  | LOCTITE 242                                                                                   |     |
| 2    |             | Ref | AIR CLEANER INSTALLATION, (See AIR CLEANER INSTALLATION for Breakdown)                        |     |
| 3    | 0642014     | 2   | HEX HD CAPSCREW, 5/8-11X1-3/4, GR5                                                            |     |
| 4    | 0700610     | 2   | HEX HD CAPSCREW, M6X20, GR8.8                                                                 |     |
| 5    | 0700826     | 2   | HEX HD CAPSCREW, M8X90, GR8.8                                                                 |     |
| 6    | 0701014     | 8   | HEX HD CAPSCREW, M10X30, GR8.8                                                                |     |
| 7    | 0701017     | 4   | HEX HD CAPSCREW, M10X45, GR8.8                                                                |     |
| 8    | 0711618     | 4   | HEX HD CAPSCREW, M16X50, GR10.9                                                               |     |
| 12   | 2420229     | 1   | TEMPERATURE SENDER                                                                            |     |
| 13   | 3290605     | 2   | HEX LOCKNUT, M6X1, GR8                                                                        |     |
| 14   | 4032011     | 2   | SOCKET HD CAPSCREW                                                                            |     |
| 15   | 4812300     | 4   | WASHER, 16mm                                                                                  |     |
| 16   | 4831900     | 2   | LOCKWASHER, 8mm                                                                               |     |
| 17   | 4892000     | 2   | WASHER, 5/8                                                                                   |     |
| 18   | 5241000     | 12  | WASHER, 10mm                                                                                  |     |
| 19   | 82033995    | AR  | HOSE                                                                                          |     |
| 20   | 8405203     | 2   | GEAR CLAMP                                                                                    |     |
| 21   | 8405305     | 1   | T-BOLT CLAMP                                                                                  |     |
| 22   | 8410009     | 1   | GEAR CLAMP                                                                                    |     |
| 23   | 2221086     | 1   | NIPPLE                                                                                        |     |
| 25   | 1001080039  | 1   | FLYWHEEL COUPLING ASSY, (includes items 101 thru 104)                                         | D   |
| 26   |             | Ref | HYDRAULIC IMPLEMENT PUMP, (See HYDRAULIC CIRCUITS SECTION for Breakdown)                      |     |
| 27   |             | Ref | HYDROSTATIC DRIVE PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                      |     |
| 28   |             | Ref | ENGINE, PERKINS, (not shown), (See PERKINS ENGINE for Breakdown)                              |     |
| 29   | 1001080274  | 1   | FAN                                                                                           |     |
| 31   | 1001081080  | 1   | THROTTLE CABLE BRACKET                                                                        |     |
| 32   | 1001080771  | 1   | ENGINE SUPPORT                                                                                |     |
| 33   | 1001080808  | 1   | ENGINE SUPPORT                                                                                |     |
| 34   | 1001080827  | 1   | AIR INTAKE HOSE                                                                               |     |
| 35   | 1001081412  | 1   | AIR INTAKE HOSE                                                                               |     |
| 36   | 1001080837  | 1   | AIR INTAKE TUBE                                                                               |     |
| 37   | 1001113050  | 1   | SHUTOFF VALVE                                                                                 |     |
| 38   | 3790213     | 1   | O-RING                                                                                        |     |
| 40   | 1001080889  | 1   | OIL FILL ADAPTER                                                                              |     |
| 41   | 1001080897  | 1   | OIL FILL CAP                                                                                  |     |
| 42   | 1001081038  | 1   | GASKET                                                                                        |     |
| 44   | 1001001514  | 1   | OIL PRESSURE SWITCH                                                                           |     |
| 45   | 0760810     | 8   | HEX HD CAPSCREW, M8X20, GR8.8                                                                 |     |
| 46   | 8405204     | 1   | GEAR CLAMP                                                                                    |     |
| 101  |             | Ref | ADAPTERS, (See HYDRAULIC CIRCUITS SECTION for Breakdown)                                      |     |
| 102  | 70020529    | 1   | COUPLING                                                                                      | A   |
| 103  | 70020530    | 1   | BOLT KIT                                                                                      |     |
| 104  | 70020531    | 1   | CONVEX SAE 3 HOUSING                                                                          |     |
|      | 1001081362  | Ref | THROTTLE STOP INSTALLATION, (2505), (not available to order, see items 201 & 202 for service) |     |

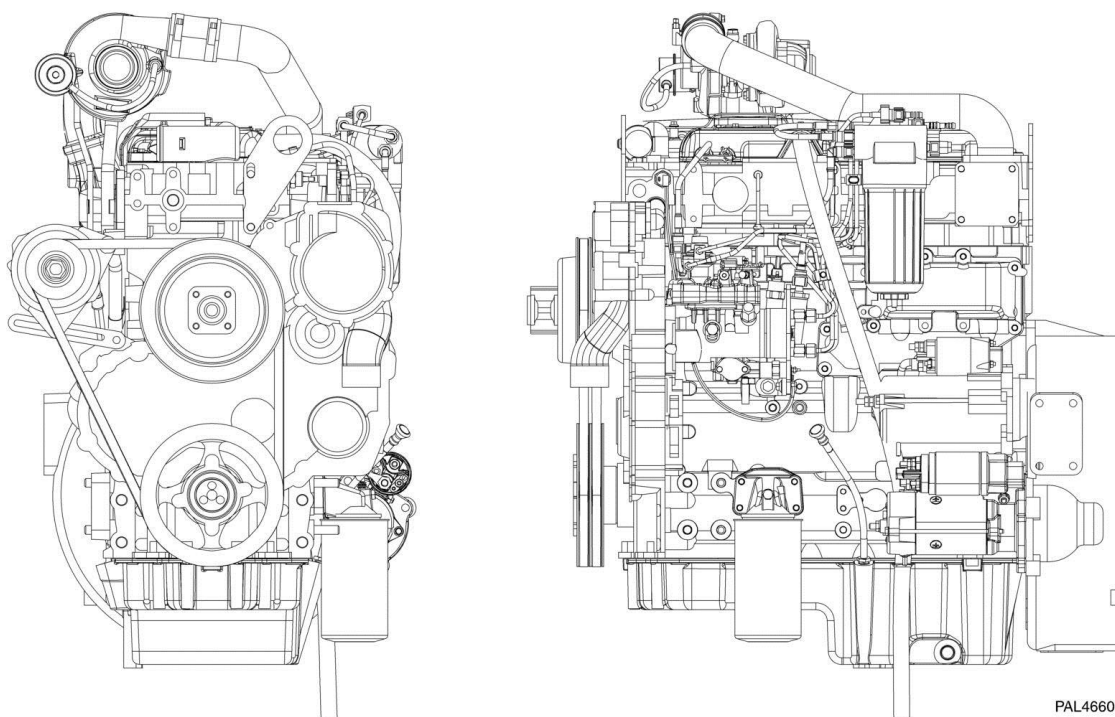
**SECTION 4 - ENGINE AND ATTACHING PARTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION           | REV |
|------|-------------|-----|-----------------------|-----|
| 201  | 1001081233  | AR  | THROTTLE STOP, (2505) |     |
| 202  | 1001081361  | AR  | THROTTLE STOP, (2505) |     |



## SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. PERKINS ENGINE (G5-18A, 2505 - LS)



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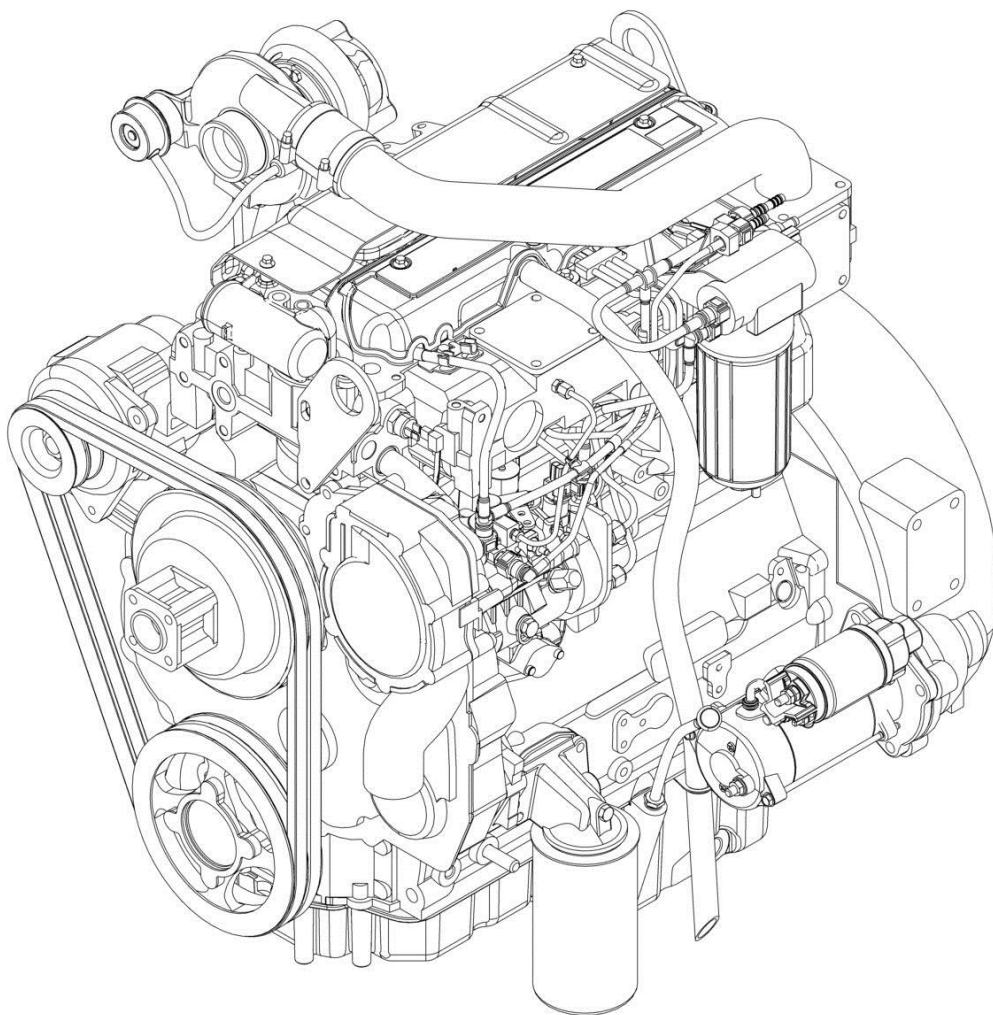
## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-3. PERKINS ENGINE (G5-18A, 2505 - LS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                   | REV |
|------|-------------|-----|---------------------------------------------------------------|-----|
|      | 1001080263  | 1   | PERKINS ENGINE, 1104D-44T                                     | H   |
|      | 70021190    | 1   | PRE-FUEL FILTER ASSY                                          |     |
|      | 70021191    | 1   | REPLACEMENT ELEMENT KIT, (includes head, element and o-rings) |     |
|      | 70021785    | 1   | FUEL FILTER BOWL                                              |     |
|      | 70020574    | 1   | FUEL LIFT PUMP                                                |     |
|      | 7028655     | 1   | FUEL FILTER ELEMENT                                           |     |
|      | 70021187    | 1   | DIPSTICK                                                      |     |
|      | 70021195    | 1   | DIPSTICK TUBE                                                 |     |
|      | 8006013     | 1   | OIL FILTER                                                    |     |
|      | 7028654     | 1   | OIL FILTER GASKET                                             |     |
|      | 7029782     | 1   | STARTER MOTOR                                                 |     |
|      | 70021188    | 1   | ALTERNATOR                                                    |     |
|      | 70021192    | 1   | THERMOSTAT                                                    |     |
|      | 70021193    | 1   | THERMOSTAT O-RING                                             |     |
|      | 70021184    | 1   | FAN BELT SET                                                  |     |
|      | 70020571    | 1   | OIL COOLER ASSY                                               |     |
|      | 70020572    | 1   | GASKET                                                        |     |
|      | 7028684     | 2   | GASKET                                                        |     |
|      | 70021186    | 1   | FLYWHEEL ASSY                                                 |     |
|      | 7028680     | 1   | STARTER RING GEAR                                             |     |
|      | 70021189    | 1   | TURBOCHARGER                                                  |     |
|      | 70021194    | 1   | WATER PUMP ASSY                                               |     |
|      | 7028665     | 1   | GASKET                                                        |     |
|      | 7028666     | 1   | WATER PUMP GASKET                                             |     |
|      | 7028659     | 2   | OIL DRAIN PLUG                                                |     |
|      | 7028660     | 2   | O-RING                                                        |     |
|      | 7028669     | 1   | OIL PAN GASKET                                                |     |
|      | 7028673     | 1   | OIL PUMP                                                      |     |
|      | 7028674     | 1   | EXHAUST MANIFOLD GASKET                                       |     |
|      | 7028676     | 4   | GLOW PLUG                                                     |     |
|      | 7028677     | 1   | COLD START TEMPERATURE SENDER                                 |     |
|      | 7028678     | 1   | COLD START CABLE                                              |     |
|      | 7028691     | 1   | GASKET                                                        |     |
|      | 70021185    | 1   | FUEL INJECTION PUMP                                           |     |
|      | 7028688     | 1   | O-RING                                                        |     |
|      | 7028689     | 1   | FUEL SHUT-OFF SOLENOID                                        |     |
|      | 70023125    | 1   | EXTENSION PLATE, FAN                                          |     |
|      | 70023126    | 4   | STUD, FAN                                                     |     |
|      | 70023127    | 4   | NUT, FAN                                                      |     |

## SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. PERKINS ENGINE (ULS) (G5-18A)



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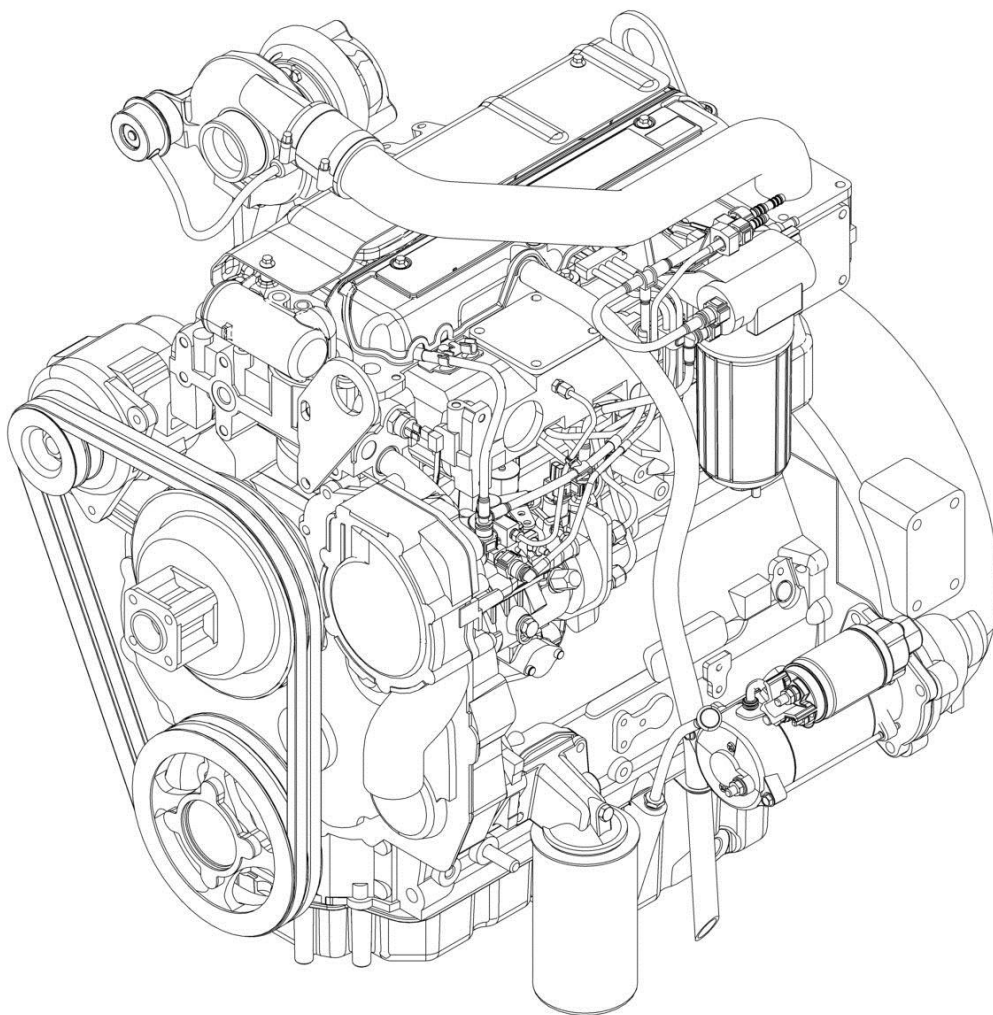
## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-4. PERKINS ENGINE (ULS) (G5-18A)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                 | REV |
|------|-------------|-----|-------------------------------------------------------------|-----|
|      | 1001134532  | 1   | PERKINS ENGINE, (ULS) 1104D-44T                             | B   |
|      | 70021190    | 1   | PRE-FUEL FILTER ASSY                                        |     |
|      | 70021191    | 1   | REPLACEMENT ELEMENT KIT, (includes head, element & o-rings) |     |
|      | 70022340    | 1   | FUEL FILTER BOWL                                            |     |
|      | 70020574    | 1   | FUEL LIFT PUMP                                              |     |
|      | 7028655     | 1   | FUEL FILTER ELEMENT                                         |     |
|      | 70021187    | 1   | DIPSTICK                                                    |     |
|      | 70021195    | 1   | DIPSTICK TUBE                                               |     |
|      | 8006013     | 1   | OIL FILTER                                                  |     |
|      | 7028654     | 1   | OIL FILTER GASKET                                           |     |
|      | 7029782     | 1   | STARTER MOTOR                                               |     |
|      | 70021188    | 1   | ALTERNATOR                                                  |     |
|      | 70021192    | 1   | THERMOSTAT                                                  |     |
|      | 70021193    | 1   | THERMOSTAT O-RING                                           |     |
|      | 70021184    | 1   | FAN BELT SET                                                |     |
|      | 70020571    | 1   | OIL COOLER ASSY                                             |     |
|      | 70020572    | 1   | GASKET                                                      |     |
|      | 7028684     | 2   | GASKET                                                      |     |
|      | 70021186    | 1   | FLYWHEEL ASSY                                               |     |
|      | 7028680     | 1   | STARTER RING GEAR                                           |     |
|      | 70021189    | 1   | TURBOCHARGER                                                |     |
|      | 70021194    | 1   | WATER PUMP ASSY                                             |     |
|      | 7028665     | 1   | GASKET                                                      |     |
|      | 7028666     | 1   | WATER PUMP GASKET                                           |     |
|      | 7028659     | 2   | OIL DRAIN PLUG                                              |     |
|      | 7028660     | 2   | O-RING                                                      |     |
|      | 7028669     | 1   | OIL PAN GASKET                                              |     |
|      | 7028673     | 1   | OIL PUMP                                                    |     |
|      | 7028674     | 1   | EXHAUST MANIFOLD GASKET                                     |     |
|      | 7028676     | 4   | GLOW PLUG                                                   |     |
|      | 7028677     | 1   | COLD START TEMPERATURE SENDER                               |     |
|      | 7028678     | 1   | COLD START CABLE                                            |     |
|      | 7028691     | 1   | GASKET                                                      |     |
|      | 70021185    | 1   | FUEL INJECTION PUMP                                         |     |
|      | 7028688     | 1   | O-RING                                                      |     |
|      | 7028689     | 1   | FUEL SHUT-OFF SOLENOID                                      |     |
|      | 70023125    | 1   | FAN EXTENSION PLATE                                         |     |
|      | 70023126    | 4   | FAN STUD                                                    |     |
|      | 70023127    | 4   | FAN NUT                                                     |     |

## SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. PERKINS ENGINE (LS) (2505)



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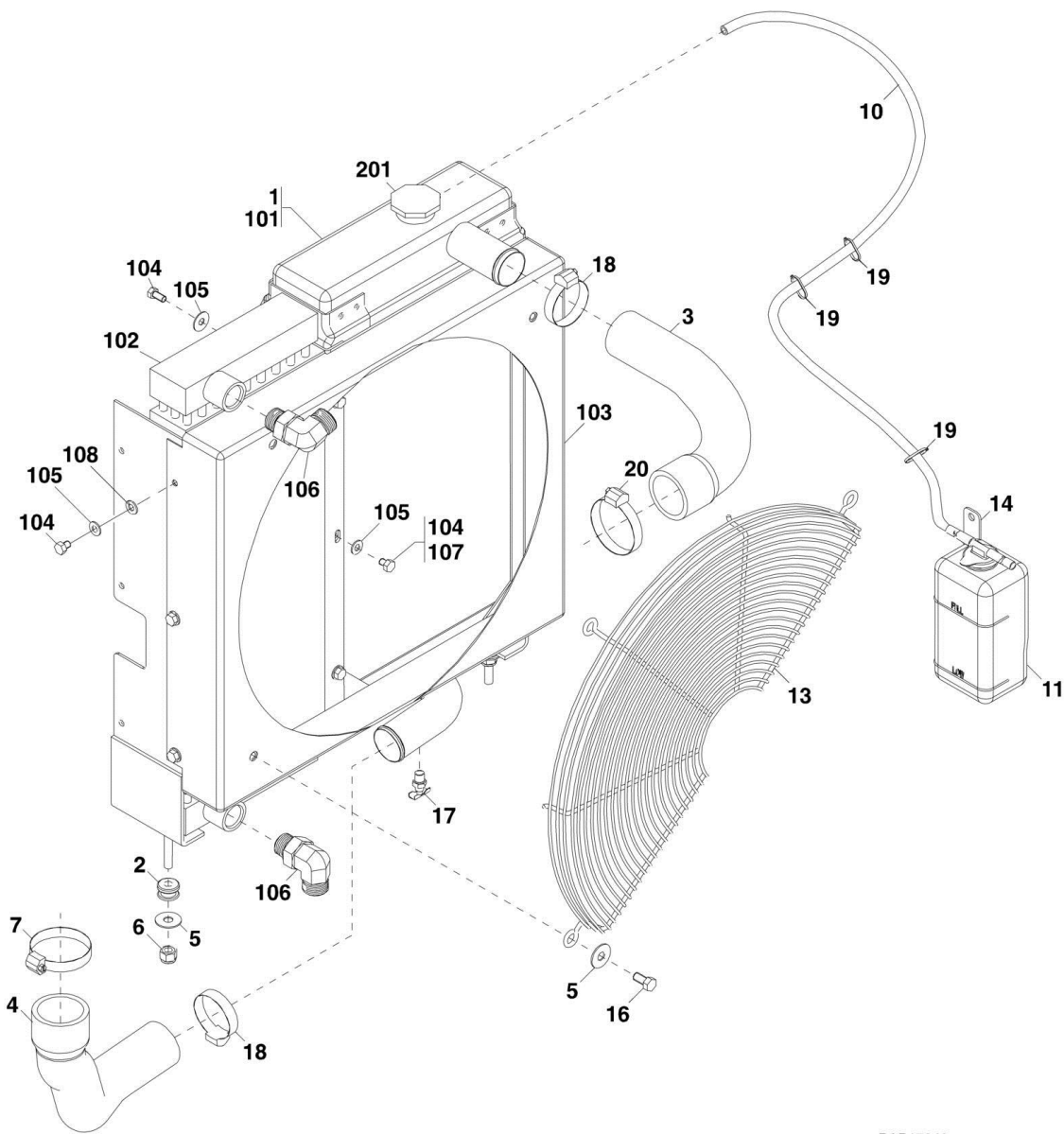
## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-5. PERKINS ENGINE (LS) (2505)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                 | REV |
|------|-------------|-----|-------------------------------------------------------------|-----|
|      | 1001134534  | 1   | PERKINS ENGINE, (LS) 1104D-44T                              | B   |
|      | 70021190    | 1   | PRE-FUEL FILTER ASSY                                        |     |
|      | 70021191    | 1   | REPLACEMENT ELEMENT KIT, (includes head, element & o-rings) |     |
|      | 70022340    | 1   | FUEL FILTER BOWL                                            |     |
|      | 70020574    | 1   | FUEL LIFT PUMP                                              |     |
|      | 7028655     | 1   | FUEL FILTER ELEMENT                                         |     |
|      | 70021187    | 1   | DIPSTICK                                                    |     |
|      | 70021195    | 1   | DIPSTICK TUBE                                               |     |
|      | 8006013     | 1   | OIL FILTER                                                  |     |
|      | 7028654     | 1   | OIL FILTER GASKET                                           |     |
|      | 7029782     | 1   | STARTER MOTOR                                               |     |
|      | 70021188    | 1   | ALTERNATOR                                                  |     |
|      | 70021192    | 1   | THERMOSTAT                                                  |     |
|      | 70021193    | 1   | THERMOSTAT O-RING                                           |     |
|      | 70021184    | 1   | FAN BELT SET                                                |     |
|      | 70020571    | 1   | OIL COOLER ASSY                                             |     |
|      | 70020572    | 1   | GASKET                                                      |     |
|      | 7028684     | 2   | GASKET                                                      |     |
|      | 70021186    | 1   | FLYWHEEL ASSY                                               |     |
|      | 7028680     | 1   | STARTER RING GEAR                                           |     |
|      | 70021189    | 1   | TURBOCHARGER                                                |     |
|      | 70021194    | 1   | WATER PUMP ASSY                                             |     |
|      | 7028665     | 1   | GASKET                                                      |     |
|      | 7028666     | 1   | WATER PUMP GASKET                                           |     |
|      | 7028659     | 2   | OIL DRAIN PLUG                                              |     |
|      | 7028660     | 2   | O-RING                                                      |     |
|      | 7028669     | 1   | OIL PAN GASKET                                              |     |
|      | 7028673     | 1   | OIL PUMP                                                    |     |
|      | 7028674     | 1   | EXHAUST MANIFOLD GASKET                                     |     |
|      | 7028676     | 4   | GLOW PLUG                                                   |     |
|      | 7028677     | 1   | COLD START TEMPERATURE SENDER                               |     |
|      | 7028678     | 1   | COLD START CABLE                                            |     |
|      | 7028691     | 1   | GASKET                                                      |     |
|      | 70021185    | 1   | FUEL INJECTION PUMP                                         |     |
|      | 7028688     | 1   | O-RING                                                      |     |
|      | 7028689     | 1   | FUEL SHUT-OFF SOLENOID                                      |     |
|      | 70023125    | 1   | FAN EXTENSION PLATE                                         |     |
|      | 70023126    | 4   | FAN STUD                                                    |     |
|      | 70023127    | 4   | FAN NUT                                                     |     |

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. RADIATOR/OIL COOLER INSTALLATION



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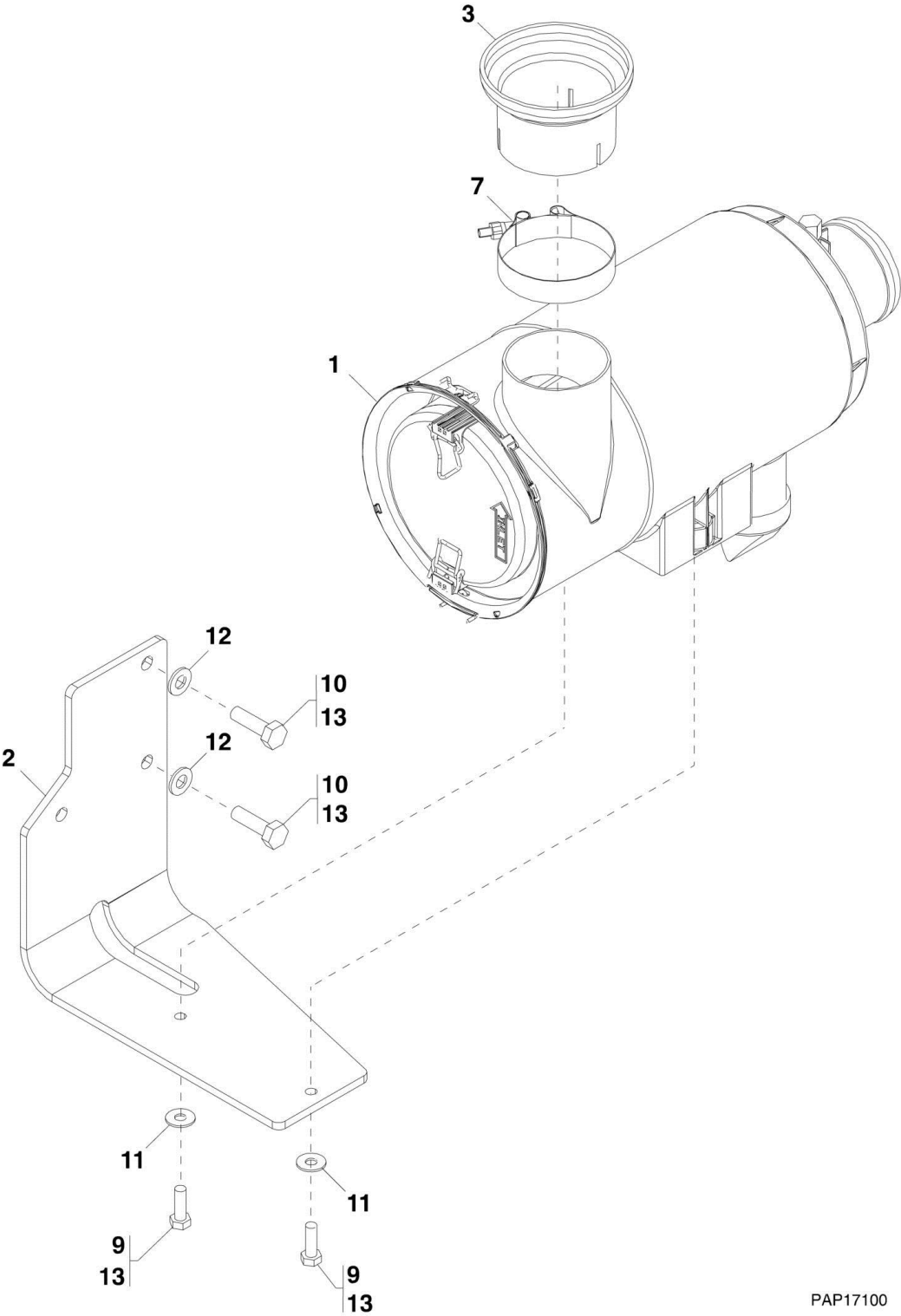
## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-6. RADIATOR/OIL COOLER INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                 | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------|-----|
|      | 0275501     | 1   | RADIATOR/OIL COOLER INSTALLATION, (not available to order, see items 1 thru 20 for service) | I   |
| 1    | 1001080044  | 1   | RADIATOR/OIL COOLER ASSY, (includes items 101 thru 106) <b>(Prior to SN 0160041337)</b>     | I   |
| 1    | 1001129037  | 1   | RADIATOR/OIL COOLER ASSY, (includes items 101 thru 108) <b>(SN 0160041337 to Present)</b>   | B   |
| 2    | 83683308    | 2   | MOUNTING PAD                                                                                |     |
| 3    | 1001080098  | 1   | UPPER RADIATOR HOSE                                                                         |     |
| 4    | 1001080239  | 1   | LOWER RADIATOR HOSE                                                                         |     |
| 5    | 4751600     | 5   | WASHER, 3/8                                                                                 |     |
| 6    | 88521206    | 2   | LOCKNUT, 3/8-16                                                                             |     |
| 7    | 8405202     | 1   | GEAR CLAMP                                                                                  |     |
| 10   | 1001080998  | 1   | EXPANSION TANK HOSE                                                                         |     |
| 11   | 4400498     | 1   | COOLANT RESERVE TANK                                                                        |     |
| 13   | 1001080539  | 1   | FAN GUARD                                                                                   |     |
| 14   | 1001080570  | 1   | COOLANT TANK BRACKET                                                                        |     |
| 16   | 0641606     | 3   | HEX HD CAPSCREW, 3/8-16X3/4, GR5                                                            |     |
| 17   | 84521056    | 1   | DRAIN COCK                                                                                  |     |
| 18   | 8405104     | 2   | GEAR CLAMP                                                                                  |     |
| 19   | 4240032     | 3   | TIE STRAP                                                                                   |     |
| 20   | 8405201     | 1   | GEAR CLAMP                                                                                  |     |
| 101  | 1001080752  | 1   | RADIATOR, (includes item 201) <b>(Prior to SN 0160041337)</b>                               | D   |
| 101  | 1001129036  | 1   | RADIATOR, (includes item 201) <b>(SN 0160041337 to Present)</b>                             | A   |
| 102  | 1001080753  | 1   | OIL COOLER                                                                                  |     |
| 103  | 1001080754  | 1   | FAN SHROUD HOUSING                                                                          |     |
| 104  | 0641503     | 12  | HEX HD CAPSCREW, 5/16-18X3/8, GR5 <b>(Prior to SN 0160041337)</b>                           |     |
| 104  | 0630467     | 12  | BUTTON HD CAPSCREW, 5/16-18X1/2, GR5 <b>(SN 0160041337 to Present)</b>                      |     |
| 105  | 4711500     | 12  | WASHER, 5/16                                                                                |     |
| 106  |             | Ref | FITTING, 90, (See HYDRAULIC CIRCUITS SECTION for Breakdown)                                 |     |
| 107  | 0100011     | AR  | LOCTITE 242 <b>(SN 0160041337 to Present)</b>                                               |     |
| 108  | 88551010    | 6   | SPRING LOCKWASHER <b>(SN 0160041337 to Present)</b>                                         |     |
| 201  | 7026442     | 1   | RADIATOR CAP                                                                                |     |

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FIGURE 4-7. AIR CLEANER INSTALLATION



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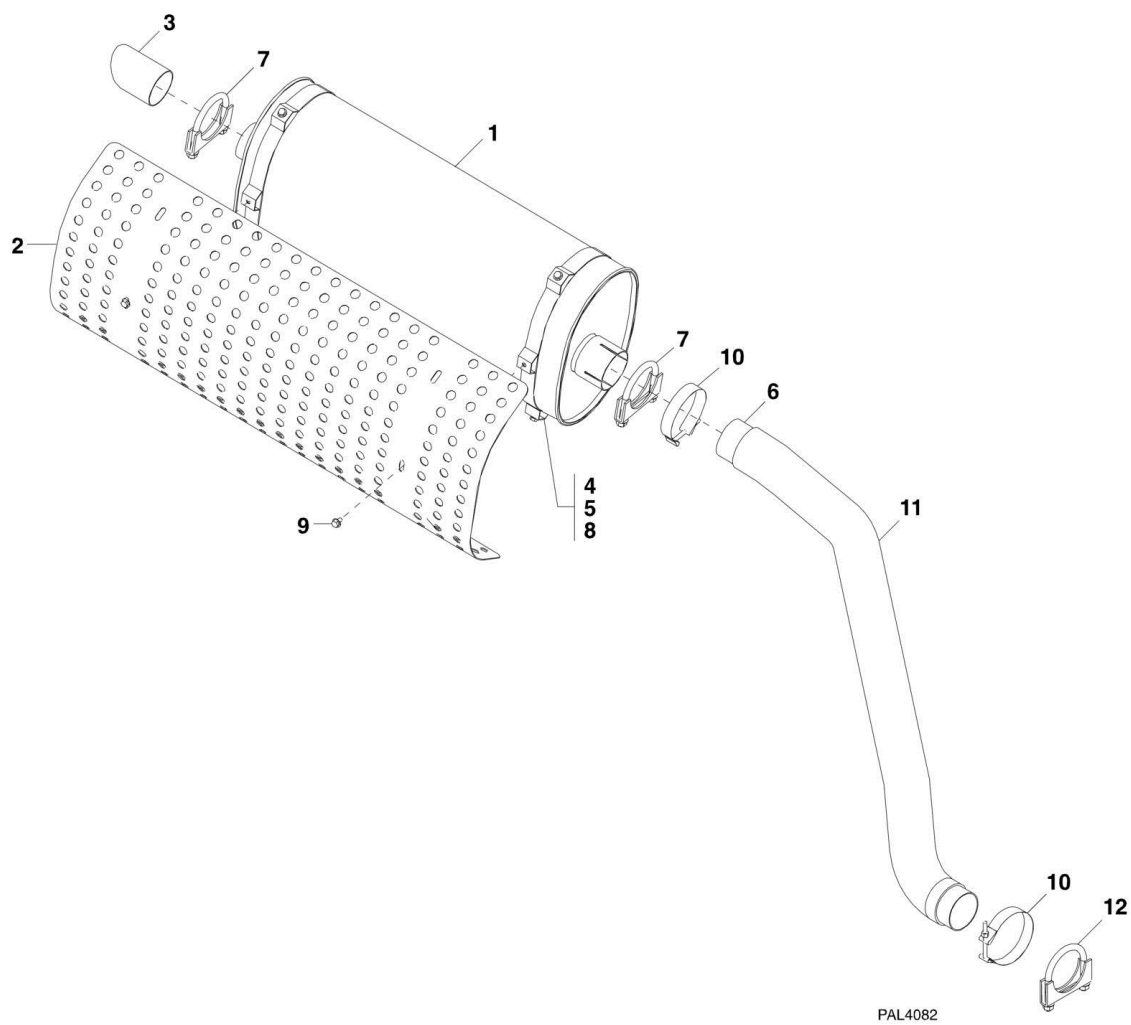
## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-7. AIR CLEANER INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                         | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------|-----|
|      | 0275502     | 1   | AIR CLEANER INSTALLATION, (not available to order, see items 1 thru 13 for service) | I   |
| 1    | 1001080390  | 1   | AIR CLEANER                                                                         |     |
| 1    | 70020623    | 1   | PRIMARY ELEMENT                                                                     |     |
| 1    | 70020624    | 1   | SECONDARY ELEMENT                                                                   |     |
| 1    | 10733183    | 1   | VACUATOR VALVE                                                                      |     |
| 1    | 70023104    | 1   | COVER ASSY                                                                          |     |
| 1    | 80474017    | 1   | ADAPTER                                                                             |     |
| 2    | 1001081037  | 1   | AIR CLEANER BRACKET                                                                 |     |
| 3    | 1001096781  | 1   | AIR INTAKE DUCT                                                                     |     |
| 7    | 1001080458  | 1   | T-BOLT CLAMP                                                                        |     |
| 9    | 0760810     | 2   | HEX HD CAPSCREW, M8X20, GR8.8                                                       |     |
| 10   | 0761015     | 2   | HEX HD CAPSCREW, M10X35, GR8.8                                                      |     |
| 11   | 4811902     | 2   | WASHER, 8mm                                                                         |     |
| 12   | 4812000     | 2   | WASHER, 10mm                                                                        |     |
| 13   | 0100011     | AR  | LOCTITE 242                                                                         |     |

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-8. EXHAUST INSTALLATION



## SECTION 4 - ENGINE AND ATTACHING PARTS

**FIGURE 4-8. EXHAUST INSTALLATION**

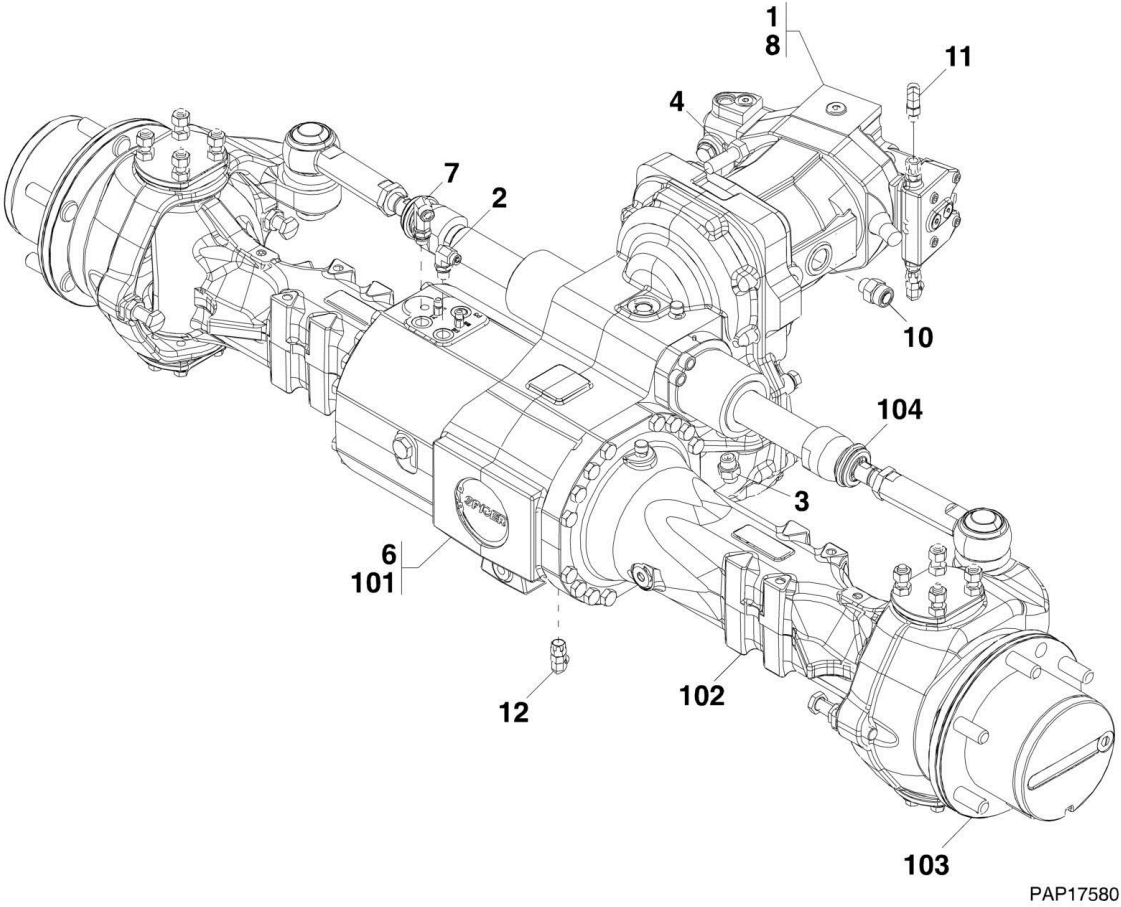
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------|-----|
|      | 1001081137  | Ref | EXHAUST INSTALLATION, (not available to order, see items 1 thru 12 for service) | F   |
| 1    | 3220140     | 1   | EXHAUST MUFFLER                                                                 |     |
| 2    | 3380585     | 1   | HEAT SHIELD                                                                     |     |
| 3    | 1001081393  | 1   | TAILPIPE TUBE                                                                   |     |
| 4    | 1321367     | 2   | HEAT SHIELD CLAMP                                                               |     |
| 5    | 0700816     | 2   | HEX HD CAPSCREW, M8x40, GR8.8                                                   |     |
| 6    | 1001081146  | 1   | EXHAUST TUBE                                                                    |     |
| 7    | 8275212     | 2   | MUFFLER CLAMP, 2-1/2 U TYPE                                                     |     |
| 8    | 3290805     | 2   | HEX LOCK NUT, M8X1.25, GR8                                                      |     |
| 9    | 5200605     | 6   | BOLT, M6X10mm                                                                   |     |
| 10   | 1001001853  | 2   | BAND CLAMP                                                                      |     |
| 11   | 1001100772  | 1   | EXHAUST TUBE SLEEVE                                                             |     |
| 12   | 1001101451  | 1   | MUFFLER CLAMP                                                                   |     |



**SECTION 5 - DRIVE TRAIN**

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. FRONT AXLE ASSEMBLY



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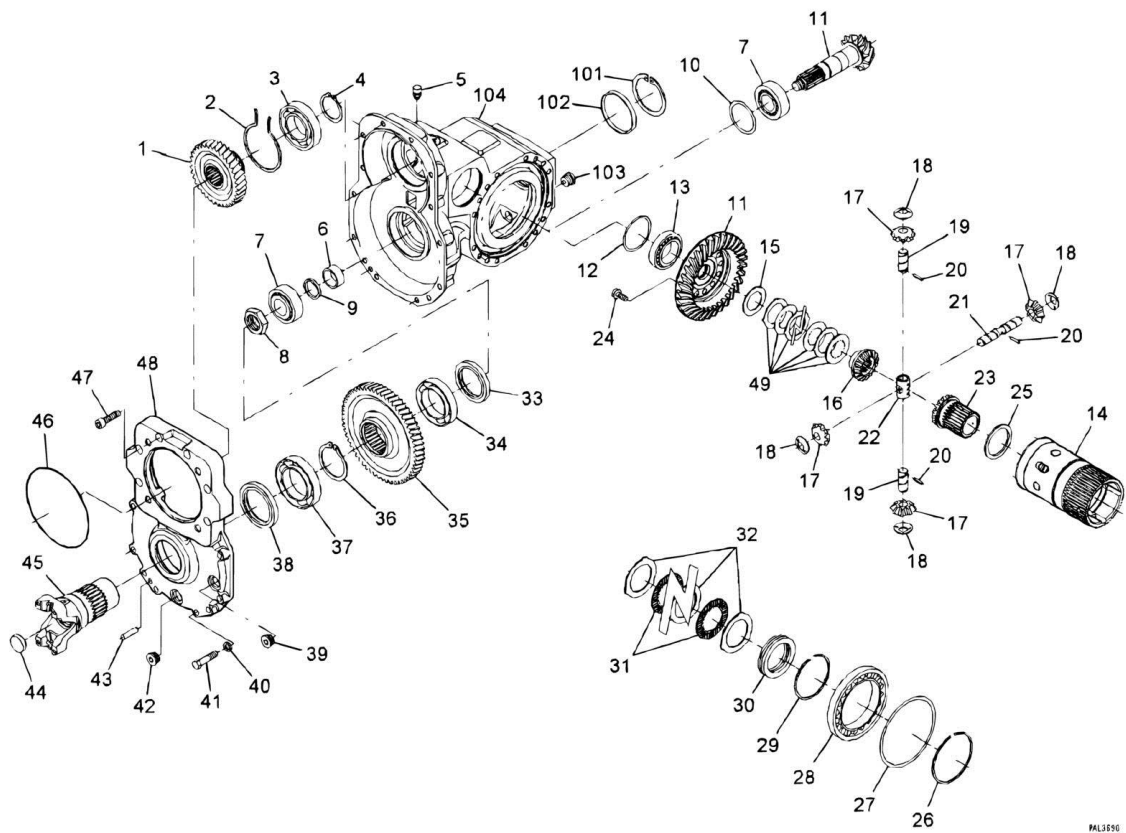
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-1. FRONT AXLE ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                        | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------|-----|
| 1    | 0280225     | 1   | FRONT AXLE ASSY, (includes items 1 thru 12)                                                        | K   |
|      |             | Ref | FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                |     |
| 2    | 8770241     | 1   | ELBOW, 90, M14X1.5, (includes o-ring)                                                              |     |
| 3    | 1001081333  | 2   | FITTING, M18X1.5, (includes o-ring)                                                                |     |
| 4    | 0761617     | 4   | HEX HD CAPSCREW, M16X45, GR8.8                                                                     |     |
| 6    | 0280221     | 1   | FRONT AXLE, (includes items 101 thru 104)                                                          | F   |
| 7    | 2221285     | 1   | FITTING, (includes o-ring)                                                                         |     |
| 8    | 1001081085  | 1   | O-RING                                                                                             |     |
| 10   | 2145010     | 1   | ADAPTER, (includes o-ring)                                                                         |     |
| 11   | 2130404     | 2   | ADAPTER, (includes o-ring)                                                                         |     |
| 12   | 1001105990  | 1   | ADAPTER, 45, (includes o-ring)                                                                     |     |
| 101  |             | Ref | FRONT DIFFERENTIAL AND CENTRAL HOUSING, (See FRONT DIFFERENTIAL AND CENTRAL HOUSING for Breakdown) |     |
| 102  |             | Ref | FRONT HUB REDUCTION, (See FRONT HUB REDUCTION for Breakdown)                                       |     |
| 103  |             | Ref | FRONT BRAKES, (see FRONT BRAKES for Breakdown)                                                     |     |
| 104  |             | Ref | FRONT STEERING COMPONENTS, (See FRONT STEERING COMPONENTS for Breakdown)                           |     |

SECTION 5 - DRIVE TRAIN

FIGURE 5-2. FRONT DIFFERENTIAL AND CENTRAL HOUSING



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## SECTION 5 - DRIVE TRAIN

**FIGURE 5-2. FRONT DIFFERENTIAL AND CENTRAL HOUSING**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------|-----|
| 1    | 70020229    | 1   | GEAR                                                                                                                        |     |
| 2    | 70020230    | 1   | CIRCLIP                                                                                                                     |     |
| 3    | 70020231    | 1   | BALL BEARING                                                                                                                |     |
| 4    | 70020232    | 1   | CIRCLIP                                                                                                                     |     |
| 5    | 91474512    | 1   | VENT                                                                                                                        |     |
| 6    | 70020233    | 1   | SPACER                                                                                                                      |     |
| 7    | 70020234    | 1   | BEARING                                                                                                                     |     |
| 8    | 70020235    | 1   | RING NUT                                                                                                                    |     |
| 9    | 70020236    | 1   | RING                                                                                                                        |     |
| 10   | 70020237    | 1   | SHIM                                                                                                                        |     |
| 11   | 70020238    | 1   | BEVEL GEAR SET                                                                                                              |     |
| 12   | 70020239    | 1   | SHIM                                                                                                                        |     |
| 13   | 70020240    | 1   | TAPER ROLLER BEARING                                                                                                        |     |
| 14   |             | Ref | DIFFERENTIAL CARRIER, (Axle Prior to SN KITA522692), (no longer available; for initial replacement use 70021939 & 70021940) |     |
| 14   | 70021939    | 1   | DIFFERENTIAL CARRIER, (Axle SN KITA522692 to Present)                                                                       |     |
| 15   | 70020242    | 1   | FRICTION WASHER                                                                                                             |     |
| 16   | 70020243    | 1   | DIFFERENTIAL SIDE GEAR                                                                                                      |     |
| 17   | 70020244    | 4   | DIFFERENTIAL PINION                                                                                                         |     |
| 18   | 70020245    | 4   | FRICTION WASHER                                                                                                             |     |
| 19   |             | Ref | PIN, ( Axle Prior to SN KITA529438), (no longer available; for initial replacement use 70021929 & 70021928)                 |     |
| 19   | 70021929    | 2   | PIN, (Axle SN KITA529438 to Present)                                                                                        |     |
| 20   | 70020247    | 3   | DOWEL                                                                                                                       |     |
| 21   |             | Ref | PIN, (Axle Prior to SN KITA529438), (no longer available; for initial replacement use 70021929 & 70021928)                  |     |
| 21   | 70021928    | 1   | PIN, (Axle SN KITA529438 to Present)                                                                                        |     |
| 22   | 70020249    | 1   | SHAFT RETAINER                                                                                                              |     |
| 23   | 70020250    | 1   | DIFFERENTIAL SIDE GEAR                                                                                                      |     |
| 24   | 70020251    | 12  | BOLT                                                                                                                        |     |
| 25   | 70020252    | 1   | FRICTION WASHER                                                                                                             |     |
| 26   | 70020253    | 1   | CIRCLIP                                                                                                                     |     |
| 27   | 70020254    | 1   | SHIM                                                                                                                        |     |
| 28   | 3984301     | 1   | BEARING                                                                                                                     |     |
| 29   | 70020255    | 1   | CIRCLIP                                                                                                                     |     |
| 30   | 70020256    | 1   | BEARING                                                                                                                     |     |
| 31   | 70020257    | 7   | CLUTCH DISC                                                                                                                 |     |
| 32   | 70020258    | 8   | INTERMEDIATE CLUTCH DISC                                                                                                    |     |
| 33   | 70020259    | 1   | SEAL                                                                                                                        |     |
| 34   | 70020260    | 1   | BALL BEARING                                                                                                                |     |
| 35   | 70020261    | 1   | GEAR                                                                                                                        |     |
| 36   | 70020262    | 1   | CIRCLIP                                                                                                                     |     |
| 37   | 80204178    | 1   | BALL BEARING                                                                                                                |     |
| 38   | 70020263    | 1   | SEAL                                                                                                                        |     |
| 39   | 91514087    | 1   | PLUG                                                                                                                        |     |
| 40   | 80204147    | 8   | SPRING WASHER                                                                                                               |     |
| 41   | 70020264    | 8   | HEXAGON BOLT                                                                                                                |     |
| 42   | 70021177    | 1   | MAGNET PLUG                                                                                                                 |     |
| 43   | 70020265    | 1   | DOWEL                                                                                                                       |     |
| 44   | 70020266    | 1   | PLUG                                                                                                                        |     |

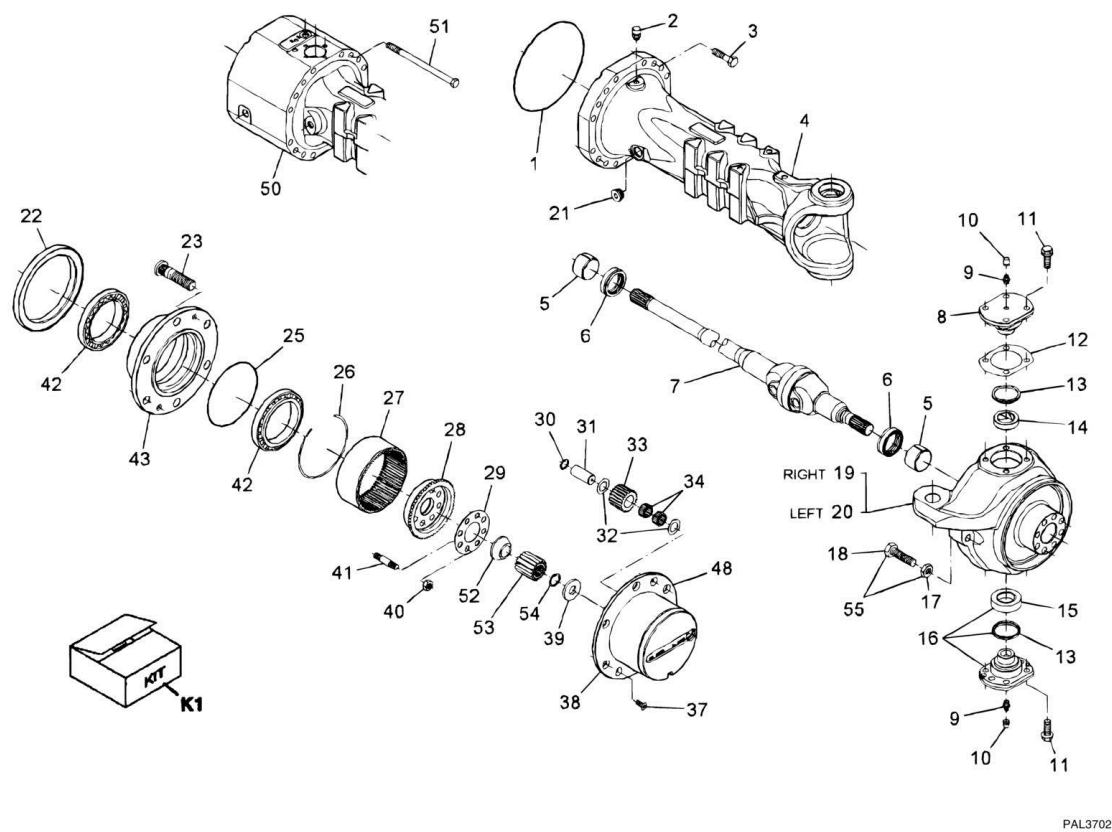
**SECTION 5 - DRIVE TRAIN**

| ITEM | PART NUMBER | QTY | DESCRIPTION   | REV |
|------|-------------|-----|---------------|-----|
| 45   | 70020267    | 1   | FLANGE        |     |
| 46   | 1001081085  | 1   | O-RING        |     |
| 47   | 70020269    | 6   | CYLINDER BOLT |     |
| 48   | 70020270    | 1   | COVER         |     |
| 49   | 70020271    | 1   | CLUTCH DISC   |     |
| 101  | 80204005    | 1   | CIRCLIP       |     |
| 102  | 91514098    | 1   | PLUG          |     |
| 103  | 70021177    | 1   | MAGNET PLUG   |     |
| 104  | 70020272    | 1   | HOUSING       |     |
|      |             |     |               |     |



SECTION 5 - DRIVE TRAIN

FIGURE 5-3. FRONT HUB REDUCTION



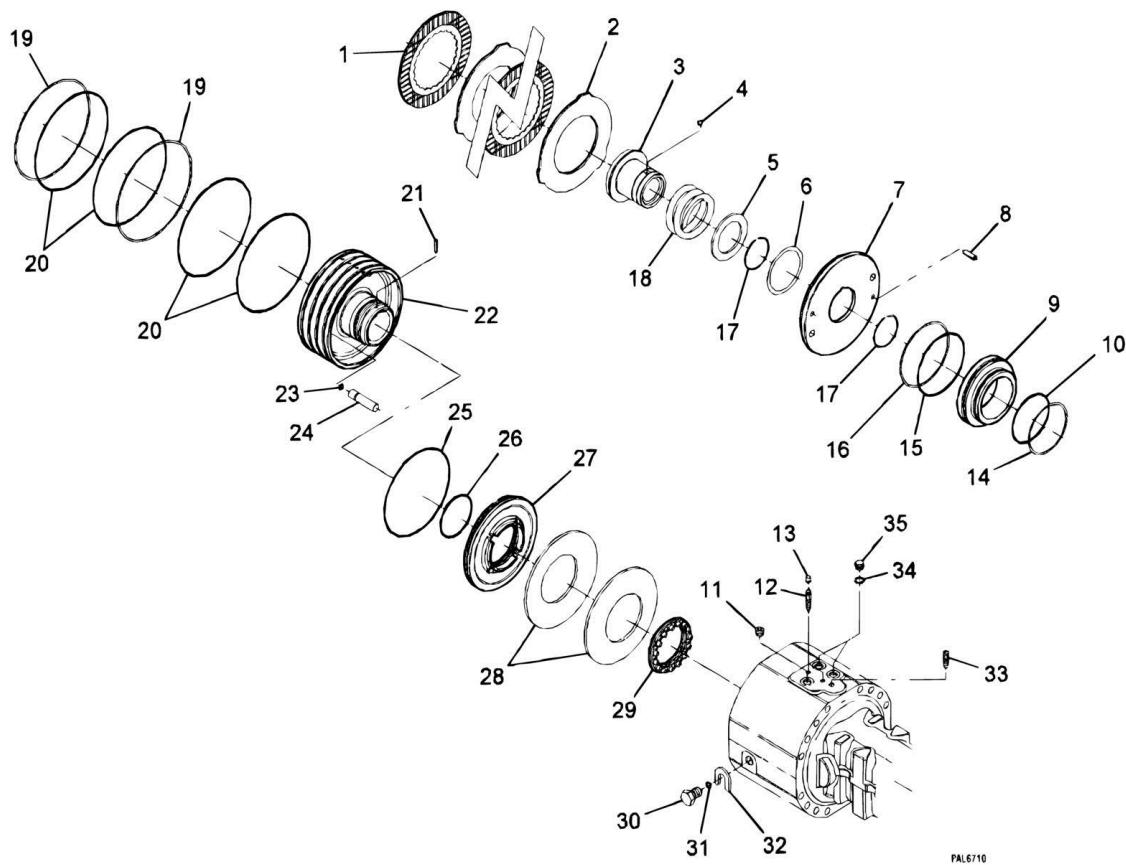
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-3. FRONT HUB REDUCTION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
| 1    | 70021147    | 2   | O-RING                                                                       |     |
| 2    | 91474512    | 1   | VENT                                                                         |     |
| 3    | 70021148    | 16  | BOLT                                                                         |     |
| 4    | 70021149    | 1   | HOUSING                                                                      |     |
| 5    | 70021150    | 2   | THRUST BUSHING                                                               |     |
| 6    | 70021151    | 4   | SEAL                                                                         |     |
| 7    | 70021152    | 2   | UNIVERSAL JOINT                                                              |     |
| 8    | 70021153    | 2   | PIVOT PIN                                                                    |     |
| 9    | 91514099    | 4   | GREASE FITTING                                                               |     |
| 10   | 80204117    | 4   | PLUG                                                                         |     |
| 11   | 91514123    | 12  | BOLT                                                                         |     |
| 12   | 70021154    | 2   | SHIM                                                                         |     |
| 13   | 70021155    | 2   | SEAL                                                                         |     |
| 14   | 70020173    | 2   | BUSHING                                                                      |     |
| 15   | 70021156    | 2   | JOINT                                                                        |     |
| 16   | 70021157    | 2   | PIVOT PIN                                                                    |     |
| 17   | 80204065    | 4   | NUT                                                                          |     |
| 18   | 91514117    | 4   | BOLT                                                                         |     |
| 19   | 70021158    | 1   | STEERING CASE                                                                |     |
| 20   | 70021159    | 1   | STEERING CASE                                                                |     |
| 21   | 91514087    | 3   | PLUG                                                                         |     |
| 22   | 7029300     | 2   | SEAL                                                                         |     |
| 23   | 10726999    | 12  | WHEEL STUD                                                                   |     |
| 25   | 70021160    | 2   | RING                                                                         |     |
| 26   | 70021161    | 2   | CIRCLIP                                                                      |     |
| 27   | 70021162    | 2   | RING GEAR                                                                    |     |
| 28   | 70021163    | 2   | RING GEAR SUPPORT                                                            |     |
| 29   | 70021164    | 2   | LOCKING PLATE                                                                |     |
| 30   | 70021165    | 6   | CIRCLIP                                                                      |     |
| 31   | 70021166    | 6   | PIN                                                                          |     |
| 32   | 70021167    | 12  | FRICTION WASHER                                                              |     |
| 33   | 70021168    | 6   | DIFFERENTIAL PINION                                                          |     |
| 34   | 70021169    | 12  | NEEDLE BEARING                                                               |     |
| 37   | 70021170    | 4   | BOLT                                                                         |     |
| 38   | 70021183    | 2   | PLANETARY GEAR CARRIER                                                       |     |
| 39   | 70021178    | 2   | FRICTION WASHER                                                              |     |
| 40   | 70021179    | 16  | NUT                                                                          |     |
| 41   | 70021180    | 16  | STUD                                                                         |     |
| 42   | 70021181    | 4   | BEARING                                                                      |     |
| 43   | 70021182    | 2   | WHEEL HUB                                                                    |     |
| 48   | 70021171    | 2   | PLANETARY GEAR CARRIER KIT, (includes items 26 thru 28, 30 thru 34, 38 & 39) |     |
| 50   | 70021172    | 1   | HOUSING                                                                      |     |
| 51   | 70021173    | 16  | BOLT                                                                         |     |
| 52   | 70021174    | 2   | SPACER                                                                       |     |
| 53   | 70021175    | 2   | PLANETARY GEAR                                                               |     |
| 54   | 70021176    | 2   | CIRCLIP                                                                      |     |
| 55   | 7028733     | 4   | STEERING ADJUST BOLT, (includes items 17 & 18)                               |     |
| K1   | 70023473    | 2   | CROSS KIT                                                                    |     |

SECTION 5 - DRIVE TRAIN

FIGURE 5-4. FRONT BRAKES



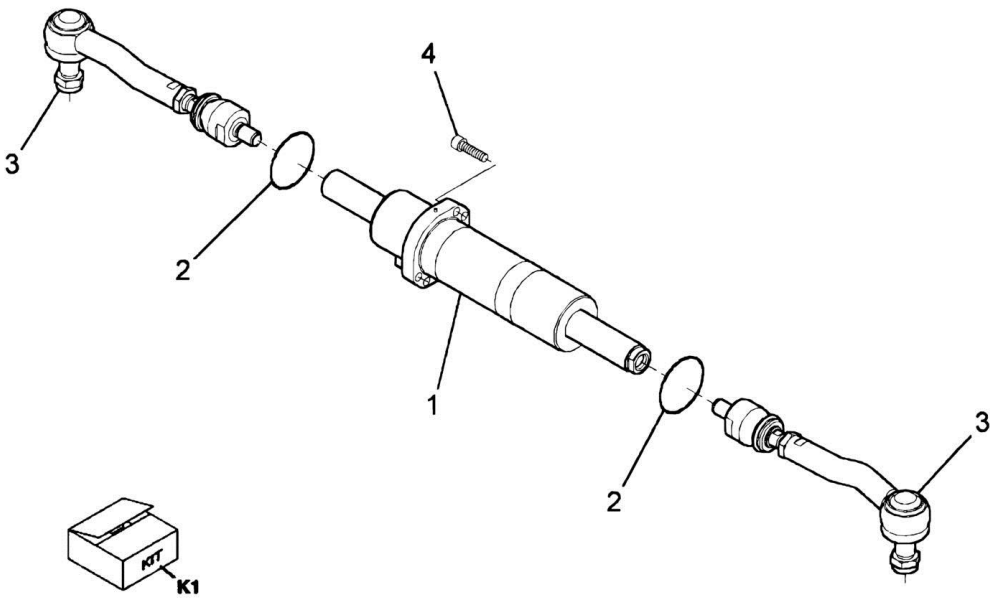
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-4. FRONT BRAKES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                      | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1    | 70020273    | 6   | BRAKE DISC                                                                                                                                                                       |     |
| 2    | 70020274    | 6   | INTERMEDIATE BRAKE DISC                                                                                                                                                          |     |
| 3    |             | Ref | REDUCTION BUSHING, (Axle Prior to SN KITA516408), (no longer available, for initial replacement use 70021942, 70020276, 70021941 & 70021940)                                     |     |
| 3    | 70021942    | 1   | REDUCTION BUSHING, (Axle SN KITA516408 to Present)                                                                                                                               |     |
| 4    |             | Ref | DETEND BALL, (Axle Prior to SN KITA516408), (no longer available, for initial replacement use 70021942, 70020276, 70021941 & 70021940)                                           |     |
| 4    | 70020276    | 1   | DETEND BALL, (Axle SN KITA516408 to Present)                                                                                                                                     |     |
| 5    |             | Ref | SPACER, (Axle Prior to SN KITA516408), (no longer available, for initial replacement use 70021942, 70020276, 70021941 & 70021940)                                                |     |
| 5    | 70021941    | 1   | SPACER, (Axle SN KITA516408 to Present)                                                                                                                                          |     |
| 6    | 80204209    | 2   | SHIM                                                                                                                                                                             |     |
| 7    |             | Ref | INTERMEDIATE BRAKE DISC, (Axle Prior to SN KITA516408), (no longer available, for initial replacement use 70021942, 70020276, 70021941 & 70021940)                               |     |
| 7    |             | Ref | INTERMEDIATE BRAKE DISC, (Axle SN KITA516408 thru KITA522691), (no longer available, for initial replacement use 70021940 & 70021939 See FRONT DIFFERENTIAL AND CENTRAL HOUSING) |     |
| 7    | 70021940    | 1   | INTERMEDIATE BRAKE DISC, (Axle SN KITA522692 to Present)                                                                                                                         |     |
| 8    | 70020279    | 2   | ROLL PIN                                                                                                                                                                         |     |
| 9    | 70020280    | 1   | PISTON                                                                                                                                                                           |     |
| 10   | 70020281    | 1   | O-RING                                                                                                                                                                           |     |
| 11   | 70020282    | 1   | PLUG                                                                                                                                                                             |     |
| 12   | 80204281    | 2   | BLEEDING BOLT                                                                                                                                                                    |     |
| 13   | 80204117    | 2   | PLUG                                                                                                                                                                             |     |
| 14   | 70020283    | 1   | BACK-UP RING                                                                                                                                                                     |     |
| 15   | 91514156    | 1   | O-RING                                                                                                                                                                           |     |
| 16   | 91514157    | 1   | BACK-UP RING                                                                                                                                                                     |     |
| 17   | 70020284    | 2   | CIRCLIP                                                                                                                                                                          |     |
| 18   | 70020285    | 1   | SPRING                                                                                                                                                                           |     |
| 19   | 70020286    | 4   | BACK-UP RING                                                                                                                                                                     |     |
| 20   | 70020287    | 4   | O-RING                                                                                                                                                                           |     |
| 21   | 70020247    | 1   | DOWEL                                                                                                                                                                            |     |
| 22   | 70020289    | 1   | PISTON                                                                                                                                                                           |     |
| 23   | 70020290    | 3   | O-RING                                                                                                                                                                           |     |
| 24   | 70020291    | 3   | PIN                                                                                                                                                                              |     |
| 25   | 70020292    | 1   | O-RING                                                                                                                                                                           |     |
| 26   | 70020293    | 1   | O-RING                                                                                                                                                                           |     |
| 27   | 70020294    | 1   | PISTON                                                                                                                                                                           |     |
| 28   | 70020295    | 2   | SPRING                                                                                                                                                                           |     |
| 29   | 70020296    | 1   | RING NUT                                                                                                                                                                         |     |
| 30   | 70020297    | 2   | BOLT                                                                                                                                                                             |     |
| 31   | 80204111    | 2   | O-RING                                                                                                                                                                           |     |
| 32   | 70020298    | 2   | SPACER                                                                                                                                                                           |     |
| 33   | 70020299    | 1   | GRUB BOLT                                                                                                                                                                        |     |
| 34   | 91514155    | 2   | SEAL WASHER                                                                                                                                                                      |     |
| 35   | 91514154    | 2   | BOLT                                                                                                                                                                             |     |

SECTION 5 - DRIVE TRAIN

FIGURE 5-5. FRONT STEERING COMPONENTS



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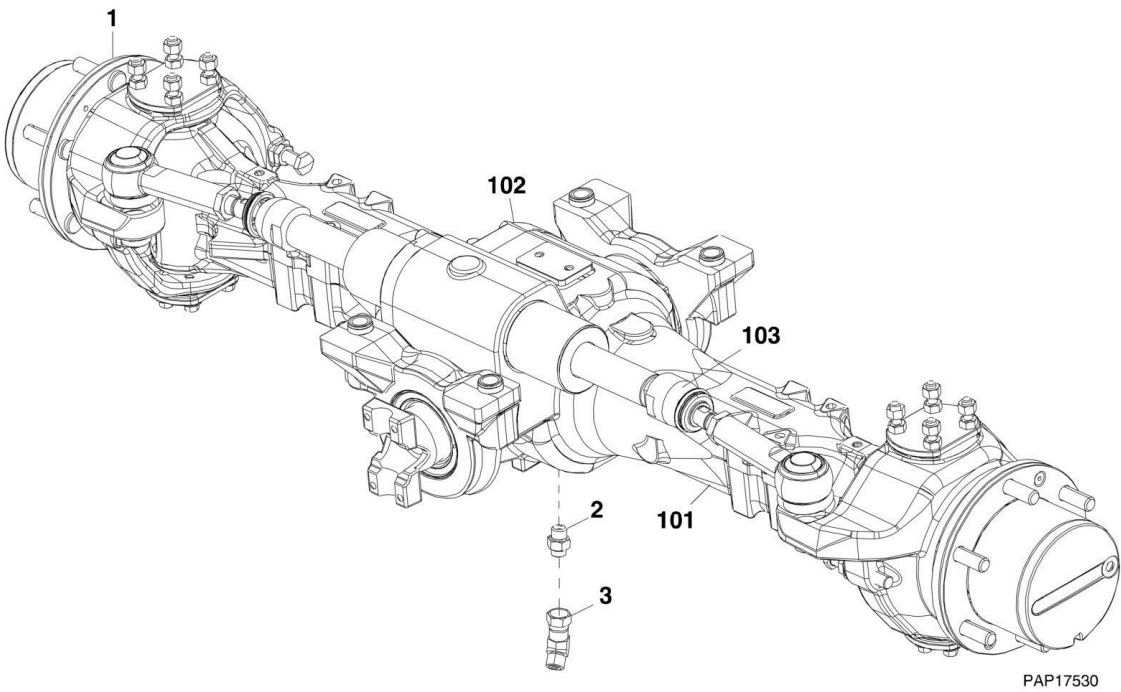
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-5. FRONT STEERING COMPONENTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
| 1    | 70020300    | 1   | CYLINDER                |     |
| 2    | 70020301    | 2   | O-RING                  |     |
| 3    | 70020302    | 2   | ARTICULATED TIE ROD     |     |
| 3    | 70023472    | 2   | SELF-LOCKING NUT        |     |
| 4    | 70020269    | 4   | CYLINDER BOLT           |     |
| K1   | 70022613    | 1   | STEER CYLINDER SEAL KIT |     |

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FIGURE 5-6. REAR AXLE ASSEMBLY



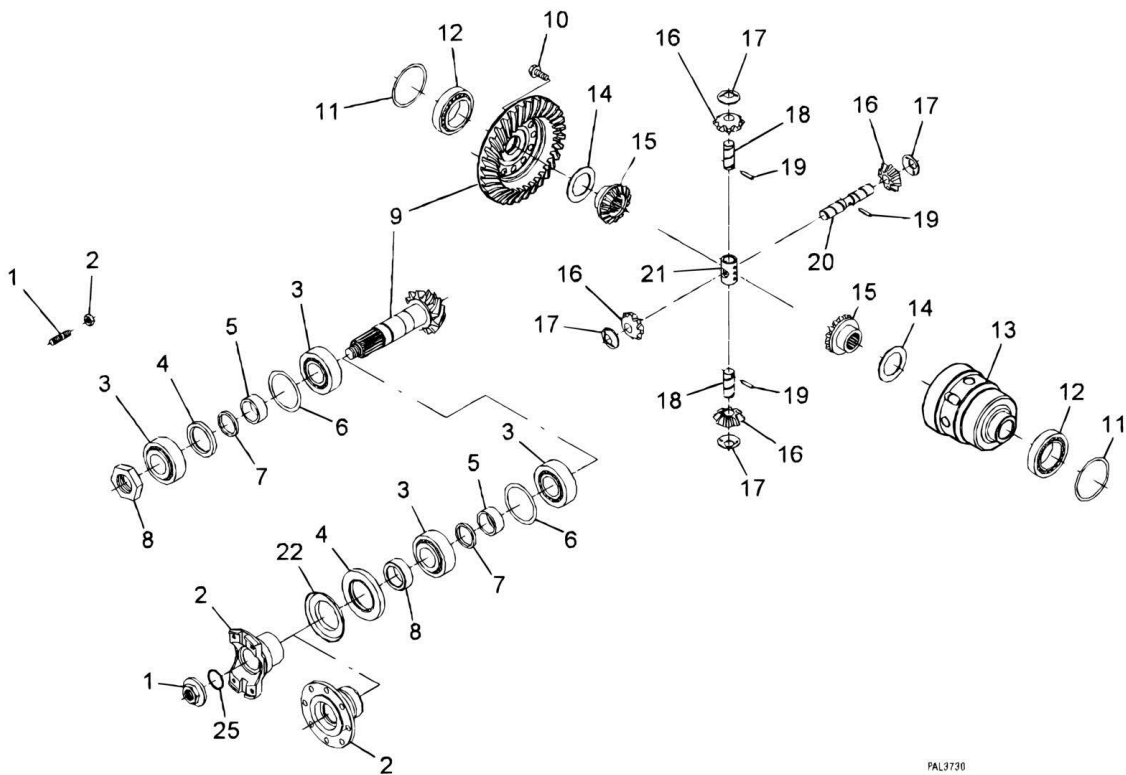
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-6. REAR AXLE ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                   | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------|-----|
|      | 0280226     | 1   | REAR AXLE ASSY, (includes item 1 & 3)                                                         | D   |
| 1    | 0280222     | 1   | REAR AXLE, (includes items 101 thru 103)                                                      | E   |
| 2    | 1001081333  | 2   | FITTING, M18X1-1/2, (includes o-ring)                                                         |     |
| 3    | 1001105990  | 1   | ADAPTER, 45, (includes o-ring)                                                                |     |
| 101  |             | Ref | REAR DIFFERENTIAL, (See REAR DIFFERENTIAL for Breakdown)                                      |     |
| 102  |             | Ref | REAR HUB REDUCTION AND CENTRAL HOUSING, (See HUB REDUCTION AND CENTRAL HOUSING for Breakdown) |     |
| 103  |             | Ref | REAR STEERING COMPONENTS, (See REAR STEERING COMPONENTS for Breakdown)                        |     |

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FIGURE 5-7. REAR DIFFERENTIAL



PAL3730

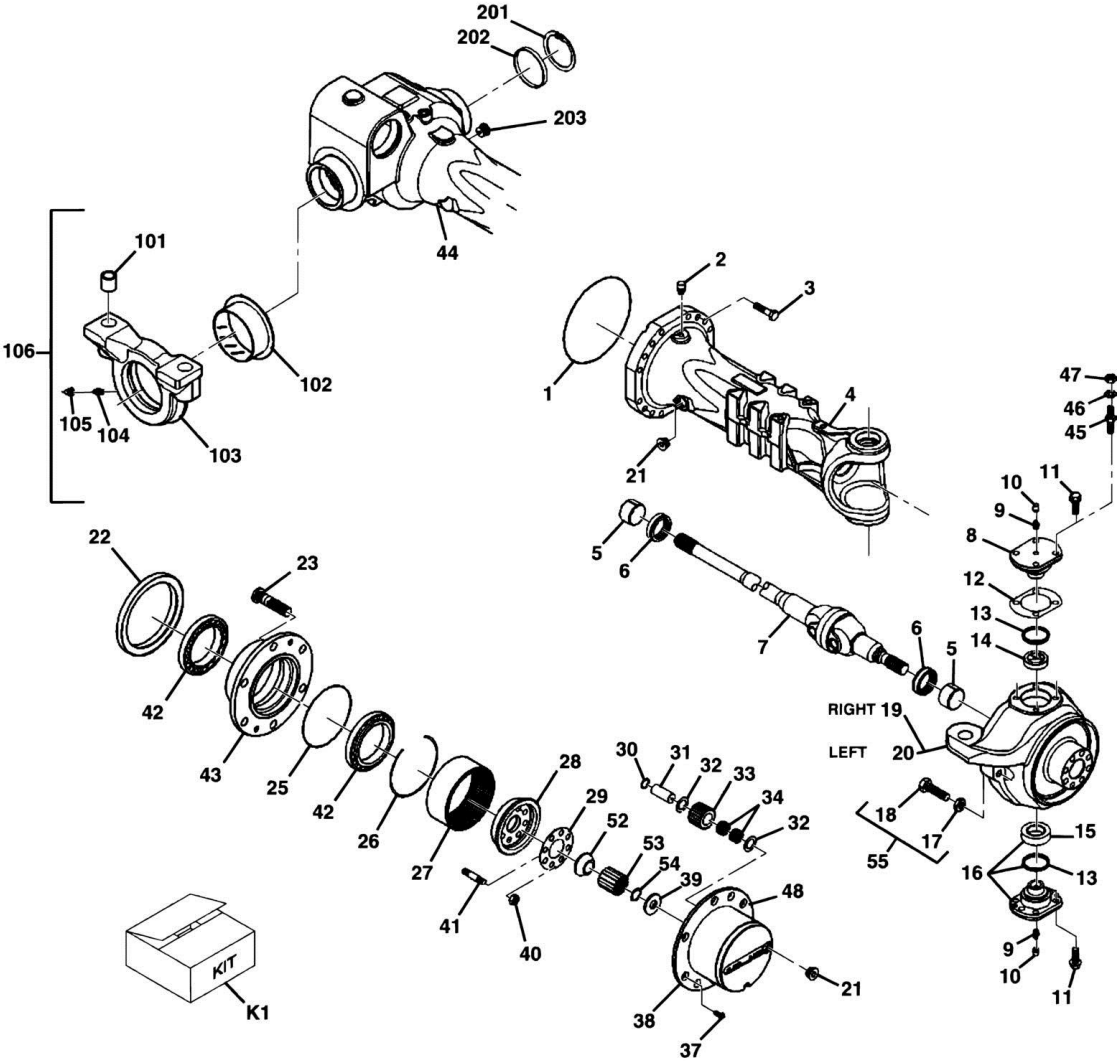
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-7. REAR DIFFERENTIAL**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------|-----|
| 1    | 80204213    | 1   | NUT                                                                                                        |     |
| 2    | 70020288    | 1   | FLANGE                                                                                                     |     |
| 3    | 70020234    | 2   | BEARING                                                                                                    |     |
| 4    | 91474532    | 1   | SEAL                                                                                                       |     |
| 5    | 70020233    | 1   | SPACER                                                                                                     |     |
| 6    | 70020237    | 1   | SHIM                                                                                                       |     |
| 7    | 70020236    | 1   | RING                                                                                                       |     |
| 8    | 70020303    | 1   | SPACER                                                                                                     |     |
| 9    | 70020345    | 1   | BEVEL GEAR SET                                                                                             |     |
| 10   | 70020251    | 12  | BOLT                                                                                                       |     |
| 11   | 70020239    | 2   | SHIM                                                                                                       |     |
| 12   | 70020240    | 2   | TAPER ROLLER BEARING                                                                                       |     |
| 13   | 70020346    | 1   | DIFFERENTIAL CARRIER                                                                                       |     |
| 14   | 70020242    | 2   | FRICTION WASHER                                                                                            |     |
| 15   | 70021221    | 2   | DIFFERENTIAL SIDE GEAR                                                                                     |     |
| 16   | 70020244    | 4   | DIFFERENTIAL PINION                                                                                        |     |
| 17   | 70020245    | 4   | FRICTION WASHER                                                                                            |     |
| 18   |             | Ref | PIN, (Axle Prior to SN KHUN129104), (no longer available; for initial replacement use 70021929 & 70021928) |     |
| 18   | 70021929    | 2   | PIN, (Axle SN KHUN129104 to Present)                                                                       |     |
| 19   | 70020247    | 3   | DOWEL                                                                                                      |     |
| 20   |             | Ref | PIN, (Axle Prior to SN KHUN129104), (no longer available; for initial replacement use 70021929 & 70021928) |     |
| 20   | 70021928    | 1   | PIN, (Axle SN KHUN129104 to Present)                                                                       |     |
| 21   | 70020249    | 1   | SHAFT RETAINER                                                                                             |     |
| 22   | 70021076    | 1   | COVER PLATE                                                                                                |     |
| 25   | 70021196    | 1   | O-RING                                                                                                     |     |

SECTION 5 - DRIVE TRAIN

FIGURE 5-8. REAR HUB REDUCTION AND CENTRAL HOUSING



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## SECTION 5 - DRIVE TRAIN

**FIGURE 5-8. REAR HUB REDUCTION AND CENTRAL HOUSING**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
| 1    | 70021147    | 1   | O-RING                                                                       |     |
| 2    | 91474512    | 1   | VENT                                                                         |     |
| 3    | 70021148    | 16  | BOLT                                                                         |     |
| 4    | 70021149    | 1   | HOUSING                                                                      |     |
| 5    | 70021150    | 2   | THRUST BUSHING                                                               |     |
| 6    | 70021151    | 4   | SEAL                                                                         |     |
| 7    | 70021152    | 2   | UNIVERSAL JOINT                                                              |     |
| 8    | 70021153    | 2   | PIVOT PIN                                                                    |     |
| 9    | 91514099    | 4   | GREASE FITTING                                                               |     |
| 10   | 80204117    | 4   | PLUG                                                                         |     |
| 11   | 91514123    | 12  | BOLT                                                                         |     |
| 12   | 70021154    | 2   | SHIM                                                                         |     |
| 13   | 70021155    | 2   | SEAL                                                                         |     |
| 14   | 70020173    | 2   | BUSHING                                                                      |     |
| 15   | 70021156    | 2   | JOINT                                                                        |     |
| 16   | 70021157    | 2   | PIVOT PIN                                                                    |     |
| 17   | 80204065    | 4   | NUT                                                                          |     |
| 18   | 91514117    | 4   | BOLT                                                                         |     |
| 19   | 70021158    | 1   | STEERING CASE                                                                |     |
| 20   | 70021159    | 1   | STEERING CASE                                                                |     |
| 21   | 91514087    | 3   | PLUG                                                                         |     |
| 22   | 7029300     | 2   | SEAL                                                                         |     |
| 23   | 10726999    | 12  | WHEEL STUD                                                                   |     |
| 25   | 70021160    | 2   | RING                                                                         |     |
| 26   | 70021161    | 2   | CIRCLIP                                                                      |     |
| 27   | 70021162    | 2   | RING GEAR                                                                    |     |
| 28   | 70021163    | 2   | RING GEAR SUPPORT                                                            |     |
| 29   | 70021164    | 2   | LOCKING PLATE                                                                |     |
| 30   | 70021165    | 6   | CIRCLIP                                                                      |     |
| 31   | 70021166    | 6   | PIN                                                                          |     |
| 32   | 70021167    | 12  | FRICTION WASHER                                                              |     |
| 33   | 70021168    | 6   | DIFFERENTIAL PINION                                                          |     |
| 34   | 70021169    | 12  | NEEDLE BEARING                                                               |     |
| 37   | 70021170    | 4   | BOLT                                                                         |     |
| 38   | 70021183    | 2   | PLANETARY GEAR CARRIER                                                       |     |
| 39   | 70021178    | 2   | FRICTION WASHER                                                              |     |
| 40   | 70021179    | 16  | NUT                                                                          |     |
| 41   | 70021180    | 16  | STUD                                                                         |     |
| 42   | 70021181    | 4   | BEARING                                                                      |     |
| 43   | 70021182    | 2   | WHEEL HUB                                                                    |     |
| 44   | 70021197    | 1   | HOUSING                                                                      |     |
| 45   | 91514118    | 8   | STUD                                                                         |     |
| 46   | 91514119    | 8   | WASHER                                                                       |     |
| 47   | 91514120    | 8   | NUT                                                                          |     |
| 48   | 70021171    | 2   | PLANETARY GEAR CARRIER KIT, (includes items 26 thru 28, 30 thru 34, 38 & 39) |     |
| 52   | 70021174    | 2   | SPACER                                                                       |     |
| 53   | 70021175    | 2   | PLANETARY GEAR                                                               |     |
| 54   | 70021176    | 2   | CIRCLIP                                                                      |     |
| 55   | 7028733     | 4   | STEERING ADJUST BOLT, (includes items 17 & 18)                               |     |

## SECTION 5 - DRIVE TRAIN

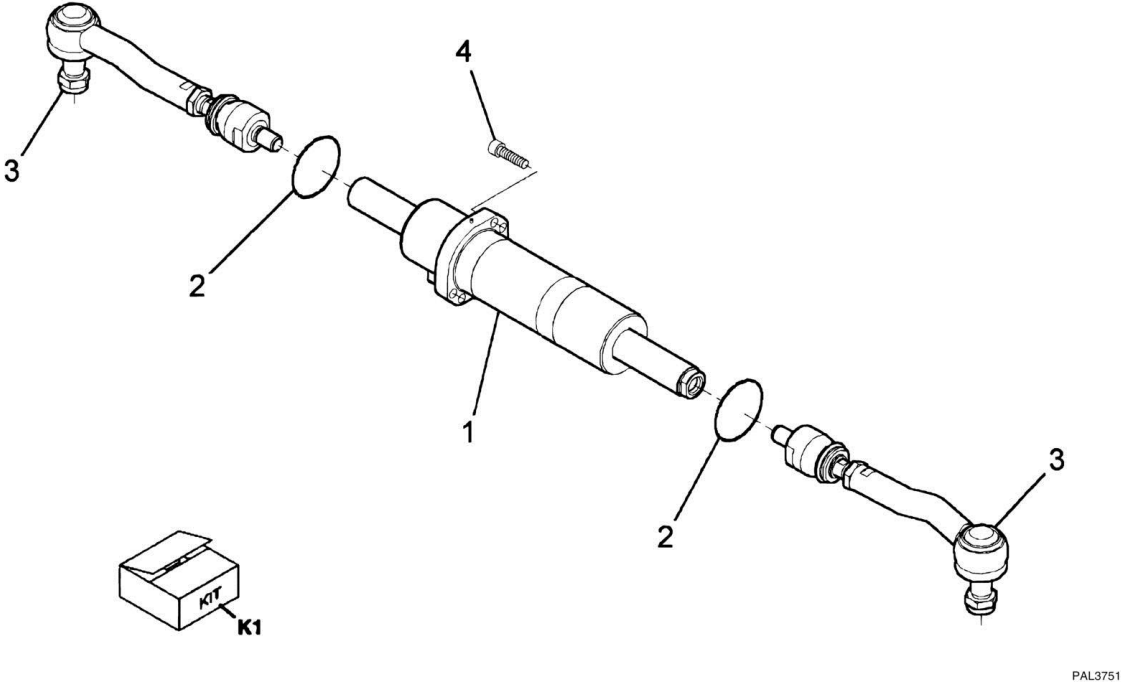
| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
| 101  | 91474516    | 4   | REDUCTION BUSHING                      |     |
| 102  | 70021198    | 2   | THRUST BUSHING                         |     |
| 103  | 70021199    | 2   | SUPPORT                                |     |
| 104  | 91514099    | 2   | GREASE FITTING                         |     |
| 105  | 80204117    | 2   | PLUG                                   |     |
| 106  | 70021200    | 2   | SUPPORT, (includes items 101 thru 105) |     |
| 201  | 80204005    | 1   | CIRCLIP                                |     |
| 202  | 91514098    | 1   | PLUG                                   |     |
| 203  | 70021177    | 1   | MAGNET PLUG                            |     |
| K1   | 70023473    | 2   | CROSS KIT                              |     |





SECTION 5 - DRIVE TRAIN

FIGURE 5-9. REAR STEERING COMPONENTS



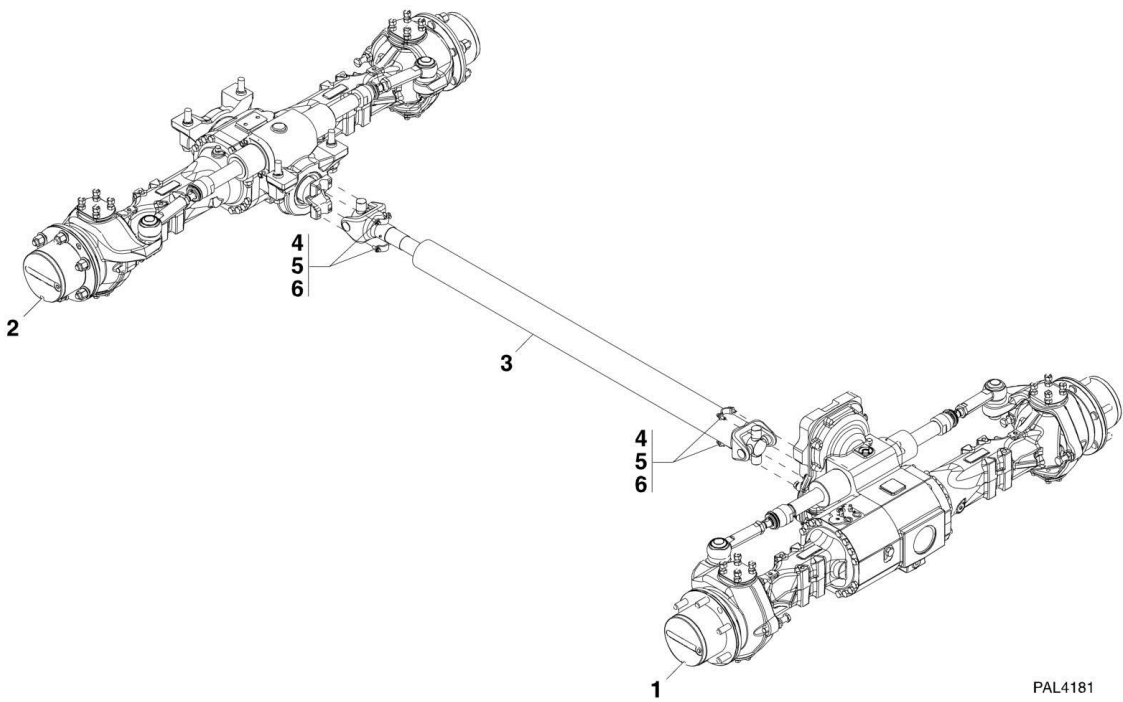
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-9. REAR STEERING COMPONENTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
| 1    | 70020300    | 1   | CYLINDER                 |     |
| 2    | 70020301    | 2   | RING                     |     |
| 3    | 70020302    | 2   | ARTICULATED TIE ROD      |     |
| 3    | 70023472    | 2   | SELF-LOCKING NUT         |     |
| 4    | 70020269    | 4   | CYLINDER BOLT            |     |
| K1   | 70022613    | 1   | SEAL KIT, STEER CYLINDER |     |

SECTION 5 - DRIVE TRAIN

FIGURE 5-10. DRIVESHAFT INSTALLATION



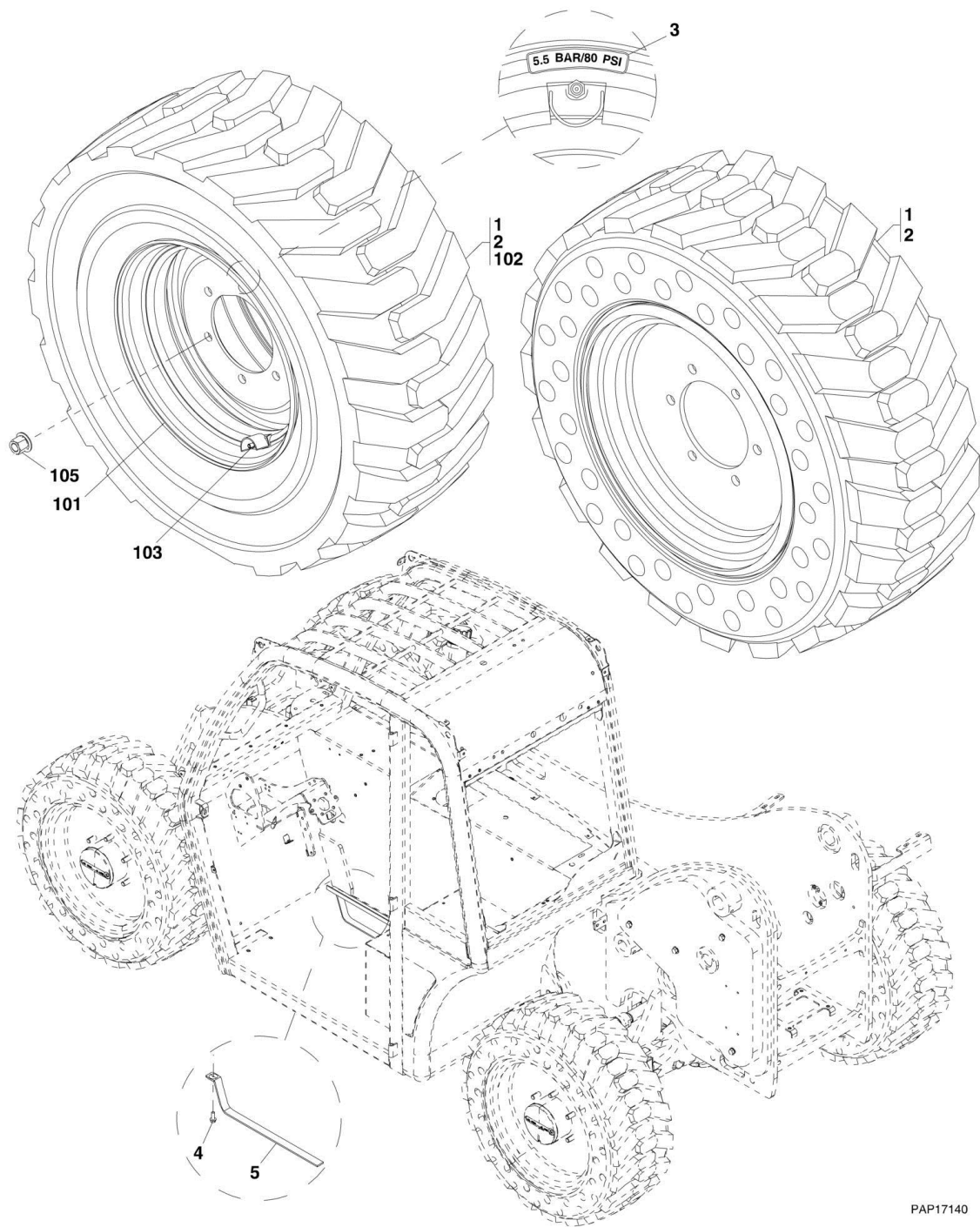
## SECTION 5 - DRIVE TRAIN

**FIGURE 5-10. DRIVESHAFT INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                         | REV |
|------|-------------|-----|-----------------------------------------------------|-----|
| 1    |             | Ref | FRONT AXLE, (See FRONT AXLE ASSEMBLY for Breakdown) | A   |
| 2    |             | Ref | REAR AXLE, (See REAR AXLE ASSEMBLY for Breakdown)   |     |
| 3    | 4040291     | 1   | DRIVESHAFT                                          |     |
| 4    | 8880219-OM  | 2   | STRAP KIT, (includes items 5 & 6)                   |     |
| 5    | 8880221     | 4   | SCREW                                               |     |
| 6    | 8880220     | 2   | STRAP                                               |     |

SECTION 5 - DRIVE TRAIN

FIGURE 5-11. TIRES AND RIMS



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## SECTION 5 - DRIVE TRAIN

**FIGURE 5-11. TIRES AND RIMS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                               | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 0275506     | 1   | TIRE SET, 12X16.5, PNEUMATIC, (G5-18A & 2505 - CE, if equipped), (includes items 1 thru 3)                                                                                | F   |
|      | 0275507     | NLA | TIRE SET, 14X17.5, PNEUMATIC, (G5-18A & 2505 - CE, if equipped), (no longer available, use 1001135673 for replacement or items 1 thru 3 for service)                      | G   |
|      | 1001135673  | 1   | TIRE SET, 14X17.5, PNEUMATIC, (G5-18A & 2505 - CE, if equipped), (includes items 1 thru 3)                                                                                | B   |
|      | 1001080658  | 1   | TIRE SET, 12X16.5, FOAM, (G5-18A & 2505 - CE, if equipped), (includes items 1 & 2)                                                                                        | D   |
|      | 1001080659  | NLA | TIRE SET, 14X17.5, FOAM, (G5-18A & 2505, if equipped), (no longer available, use 1001135674 for replacement or items 1 & 2 for service)                                   | E   |
|      | 1001135674  | 1   | TIRE SET, 14X17.5, FOAM, (G5-18A & 2505, if equipped), (includes items 1 & 2)                                                                                             | B   |
|      | 1001112558  | 1   | TIRE SET, 33X12-20, NON-MARKING, (G5-18A, if equipped), (includes items 1, 2, 4 & 5)                                                                                      | B   |
| 1    | 1001081220  | 2   | WHEEL AND TIRE ASSY, RIGHT, 12X16.5, PNEUMATIC, (G5-18A, 2505 - CE, if equipped), (includes items 101 thru 103)                                                           | B   |
| 1    | 4520658     | NLA | WHEEL AND TIRE ASSY, RIGHT, 14X17.5, PNEUMATIC, (G5-18A, 2505 - CE, if equipped), (no longer available, use 1001135671 for replacement or items 101 thru 103 for service) | F   |
| 1    | 1001135671  | 2   | WHEEL AND TIRE ASSY, RIGHT, 14X17.5, PNEUMATIC, (G5-18A, 2505 - CE, if equipped), (includes items 101 thru 103)                                                           | B   |
| 1    | 1001081218  | 2   | WHEEL AND TIRE ASSY, RIGHT, 12X16.5, FOAM, (G5-18A, 2505 - CE, if equipped), (includes items 101 thru 104)                                                                | B   |
| 1    | 1001080662  | NLA | WHEEL AND TIRE ASSY, RIGHT, 14X17.5, FOAM, (G5-18A, 2505, if equipped), (no longer available, use 1001135672 for replacement or items 101 thru 104 for service)           | F   |
| 1    | 1001135672  | 2   | WHEEL AND TIRE ASSY, RIGHT, 14X17.5, FOAM, (G5-18A, 2505, if equipped), (includes items 101 thru 104)                                                                     | B   |
| 1    | 1001112557  | 2   | WHEEL AND TIRE ASSY, RIGHT, 33X12-20, NON-MARKING, (G5-18A, if equipped)                                                                                                  | B   |
| 2    | 1001081221  | 2   | WHEEL AND TIRE ASSY, LEFT, 12X16.5, PNEUMATIC, (G5-18A & 2505 - CE, if equipped), (includes items 101 thru 103)                                                           | B   |
| 2    | 4520659     | NLA | WHEEL AND TIRE ASSY, LEFT, 14X17.5, PNEUMATIC, (G5-18A & 2505 - CE, if equipped), (no longer available, use 1001135676 for replacement or items 101 thru 103 for service) | F   |
| 2    | 1001135676  | 2   | WHEEL AND TIRE ASSY, LEFT, 14X17.5, PNEUMATIC, (G5-18A & 2505 - CE, if equipped), (includes items 101 thru 103)                                                           | B   |
| 2    | 1001081219  | 2   | WHEEL AND TIRE ASSY, LEFT, 12X16.5, FOAM, (G5-18A & 2505 - CE, if equipped), (includes items 101 thru 104)                                                                | B   |
| 2    | 1001080663  | NLA | WHEEL AND TIRE ASSY, LEFT, 14X17.5, FOAM, (G5-18A & 2505, if equipped), (no longer available, use 1001135677 for replacement or items 101 thru 104 for service)           | F   |
| 2    | 1001135677  | 2   | WHEEL AND TIRE ASSY, LEFT, 14X17.5, FOAM, (G5-18A & 2505, if equipped), (includes items 101 thru 104)                                                                     | B   |
| 2    | 1001112556  | 2   | WHEEL AND TIRE ASSY, LEFT, 33X12-20, NON-MARKING, (G5-18A, if equipped)                                                                                                   | B   |
| 3    | 1001128006  | 4   | TIRE PRESSURE DECAL, (5.5 BAR/80 PSI), PNEUMATIC                                                                                                                          |     |
| 3    | 1001128007  | 4   | TIRE PRESSURE DECAL, (4.8 BAR/70 PSI), PNEUMATIC                                                                                                                          |     |
| 4    | 1001115871  | 1   | THREAD FORMING BOLT, 1X3/8-16                                                                                                                                             |     |
| 5    | 4240084     | 1   | ANTI-STATIC STRAP                                                                                                                                                         |     |
| 101  | 1001081224  | 1   | WHEEL, 16.5                                                                                                                                                               |     |
| 101  | 1001112913  | NLA | WHEEL, 17.5, (no longer available, use 1001141863 for replacement)                                                                                                        |     |
| 101  | 1001141863  | 1   | WHEEL, 17.5                                                                                                                                                               |     |

SECTION 5 - DRIVE TRAIN

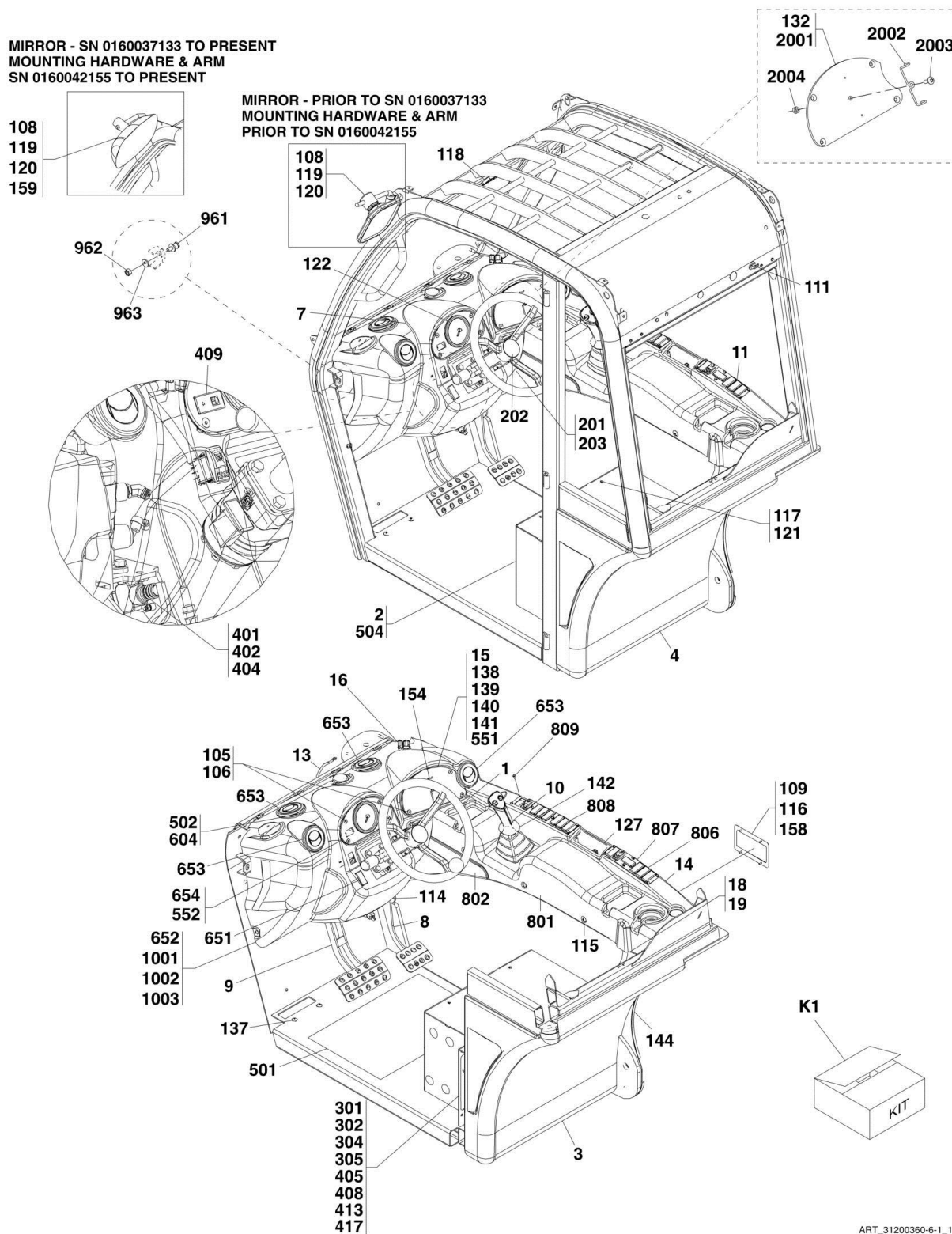
| ITEM | PART NUMBER | QTY    | DESCRIPTION                                                       | REV |
|------|-------------|--------|-------------------------------------------------------------------|-----|
| 102  | 1001081222  | 1      | TIRE, 12X16.5                                                     |     |
| 102  | 1001080228  | NLA    | TIRE, 14X17.5, (no longer available, use 4520259 for replacement) |     |
| 102  | 4520259     | 1      | TIRE, 14X17.5                                                     |     |
| 103  | 4640163     | 1      | TIRE VALVE                                                        |     |
| 104  | 8526203     | 220 lb | BALLAST FLATPROOFING FOAM FILL, (not shown)                       |     |
| 105  | 1001080229  | 24     | LUG NUT, M18X1.5                                                  |     |



**SECTION 6 - CAB**

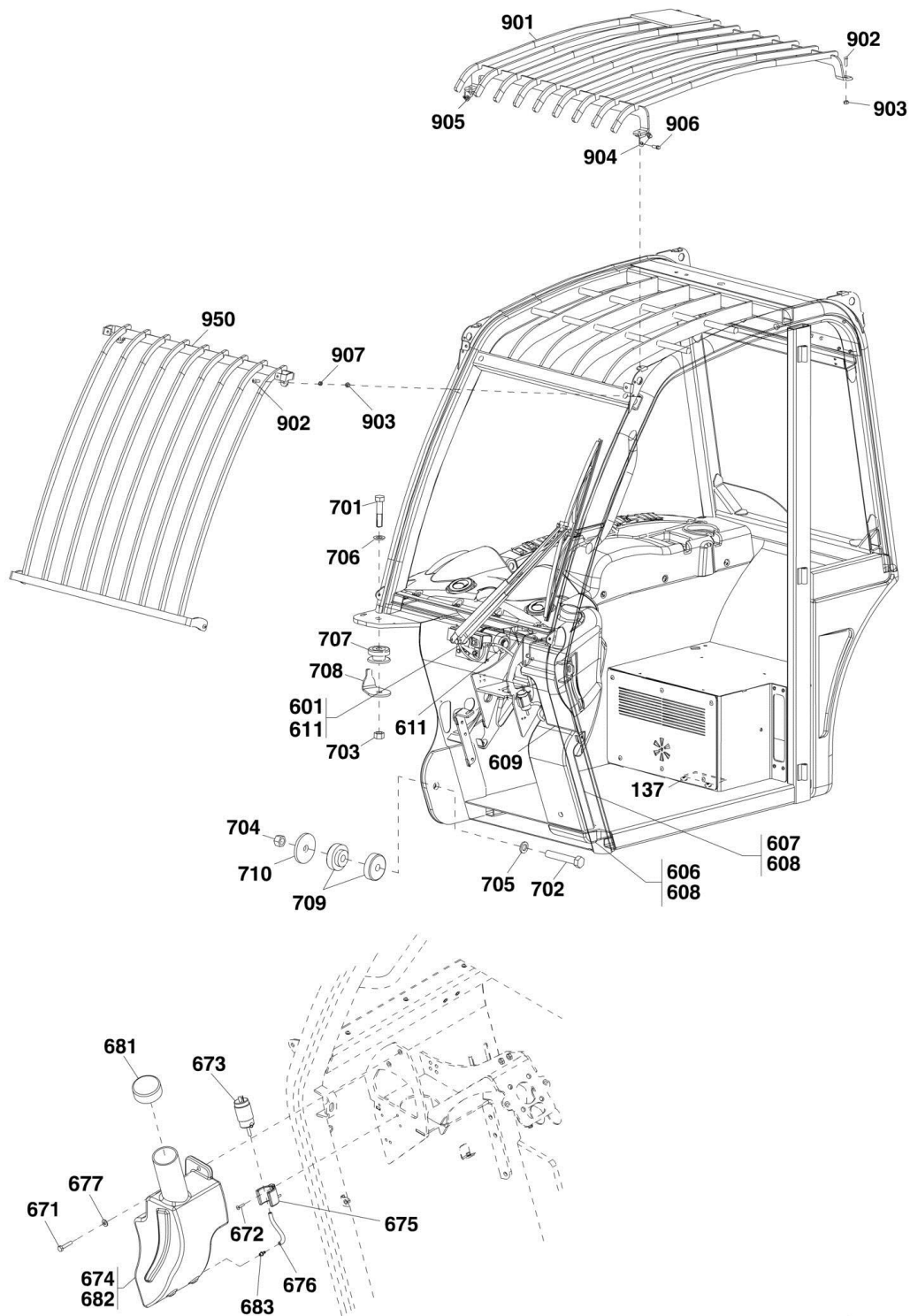
## SECTION 6 - CAB

### FIGURE 6-1. CAB INSTALLATION



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# SECTION 6 - CAB



ART\_31200360-6-1\_2

## SECTION 6 - CAB

**FIGURE 6-1. CAB INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                       | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001080694  | 1   | OPEN CAB, FIXED, G5-18A , (includes items 1 thru 3, 5, 7 thru 17, 105 thru 154, 201 thru 203, 301 thru 305 & 501 thru 504) <b>(G5-18A Prior to SN 0160045913)</b> | C   |
|      | 1001130243  | 1   | OPEN CAB, FIXED, (includes items 1 thru 3, 5, 7 thru 17, 105 thru 154, 201 thru 203, 301 thru 305 & 501 thru 504) <b>(G5-18A SN 0160045913 to Present)</b>        | B   |
|      | 1001080692  | 1   | OPEN CAB, TILT, (includes items 1 thru 3, 5, 7 thru 17, 105 thru 154, 201 thru 203, 301 thru 305 & 501 thru 504) <b>(G5-18A Prior to SN 0160045913)</b>           | C   |
|      | 1001130244  | 1   | OPEN CAB, TILT, (includes items 1 thru 3, 5, 7 thru 17, 105 thru 154, 201 thru 203, 301 thru 305 & 501 thru 504) <b>(G5-18A SN 0160045913 to Present)</b>         | B   |
|      | 1001080688  | 1   | ENCLOSED CAB, TILT, WITH HEAT, (includes items 1, 2, 4 thru 17 & 961 thru 963) <b>(G5-18A Prior to SN 0160045913)</b>                                             | C   |
|      | 1001130245  | 1   | ENCLOSED CAB, TILT, WITH HEAT, (includes items 1, 2, 4 thru 17 & 961 thru 963) <b>(G5-18A SN 0160045913 to Present)</b>                                           | B   |
|      | 1001080832  | 1   | ENCLOSED CAB, TILT, WITH HEAT AND AC, (includes items 1, 2, 4 thru 17 & 961 thru 963) <b>(G5-18A Prior to SN 0160045913)</b>                                      | C   |
|      | 1001130246  | 1   | ENCLOSED CAB, TILT, WITH HEAT AND AC, (includes items 1, 2, 4 thru 17 & 961 thru 963) <b>(G5-18A SN 0160045913 to Present)</b>                                    | B   |
|      | 1001080764  | 1   | ENCLOSED CAB, TILT, WITH HEAT, (includes items 1, 2, 4 thru 17 & 961 thru 963) <b>(2505 Prior to SN 0160042694)</b>                                               | C   |
|      | 1001130247  | 1   | ENCLOSED CAB, TILT, WITH HEAT, (includes items 1, 2, 4 thru 19 & 961 thru 963) <b>(2505 SN 0160042694 to Present)</b>                                             | E   |
|      | 1001080765  | 1   | ENCLOSED CAB, TILT, WITH HEAT AND AC, (includes items 1, 2, 4 thru 17 & 961 thru 963) <b>(2505 Prior to SN 0160042694)</b>                                        | C   |
|      | 1001130248  | 1   | ENCLOSED CAB, TILT, WITH HEAT AND AC, (includes items 1, 2, 4 thru 19 & 961 thru 963) <b>(2505 SN 0160042694 to Present)</b>                                      | E   |
| 1    |             | Ref | STEERING COLUMN, (See CONTROLS SECTION for Breakdown)                                                                                                             |     |
| 2    |             | Ref | HEATER OPTIONS, (See HEATER AND AC - CAB for Breakdown)                                                                                                           |     |
| 3    |             | Ref | OPEN CAB WELDMENT, (See OPEN CAB for Breakdown)                                                                                                                   |     |
| 4    |             | Ref | ENCLOSED CAB WELDMENT, (See ENCLOSED CAB INSTALLATION for Breakdown)                                                                                              |     |
| 5    |             | Ref | SUSPENSION SEAT, (not shown), (See SUSPENSION SEAT for Breakdown)                                                                                                 |     |
| 6    |             | Ref | WIPER INSTALLATION, (not shown), (See WIPER INSTALLATION for Breakdown)                                                                                           |     |
| 7    |             | Ref | COVER OPTIONS, (See OVERHEAD CONSOLE for Breakdown)                                                                                                               |     |
| 8    |             | Ref | ACCELERATOR PEDAL AND ATTACHING PARTS, (See CONTROLS SECTION for Breakdown)                                                                                       |     |
| 9    |             | Ref | BRAKE PEDAL AND ATTACHING PARTS, (See CONTROLS SECTION for Breakdown)                                                                                             |     |
| 10   |             | Ref | JOYSTICK, (See CONTROLS SECTION for Breakdown)                                                                                                                    |     |
| 11   |             | Ref | CAB SWITCHES, (See ELECTRICAL SECTION for Breakdown)                                                                                                              |     |
| 12   |             | Ref | CAB ROOF HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)                                                                                             |     |
| 13   |             | Ref | CAB HARNESS, (See ELECTRICAL SECTION for Breakdown)                                                                                                               |     |
| 14   | 1001098235  | 1   | LIFT LOADER HARNESS                                                                                                                                               |     |
| 15   |             | Ref | CAB FUSE/RELAY HOLDER AND FUSE DECAL, (See ELECTRICAL SECTION for Breakdown)                                                                                      |     |
| 16   | 1001100966  | 1   | FULL JUMPER HARNESS                                                                                                                                               |     |
| 17   |             | Ref | CAB HOSES, (not shown), (See HYDRAULIC CIRCUITS SECTION for Breakdown)                                                                                            |     |

## SECTION 6 - CAB

| ITEM | PART NUMBER | QTY    | DESCRIPTION                                                                                                        | REV |
|------|-------------|--------|--------------------------------------------------------------------------------------------------------------------|-----|
| 18   | 1001138985  | 1      | ANALYZER EXTENSION HARNESS                                                                                         |     |
| 19   | 4240017     | 1      | TIE STRAP                                                                                                          |     |
| 105  | 1001108194  | 8      | FLAT HD CAPSCREW, 1/4-20X5/8                                                                                       |     |
| 106  | 3300454     | 8      | U-STYLE TAPPED NUT, 1/4-20                                                                                         |     |
| 108  | 3900251     | NLA    | SPECIAL TRUSS SCREW, 1/4-20X3/8, (no longer available, use Kit K1 for replacement) <b>(Prior to SN 0160042155)</b> |     |
| 108  | 1001108078  | 2      | SPECIAL TRUSS SCREW, 1/4-20X3/8 <b>(SN 0160042155 to Present)</b>                                                  |     |
| 109  | 3931412     | 4      | SOCKET HD SCREW, 1/4-20X3/4                                                                                        |     |
| 111  | 4461174     | 1      | 12 VOLT POWER SUPPLY TERMINAL                                                                                      |     |
| 114  | 8035487     | 1      | BOLT, 1/4-20X5/8                                                                                                   |     |
| 115  | 8303034     | 17     | TRUSS HD SCREW, 1/4-20X3/4                                                                                         |     |
| 116  | 8307109     | 4      | WASHER, 1/4                                                                                                        |     |
| 117  | 8310053     | 4      | WASHER, 5/16                                                                                                       |     |
| 118  | 8466306     | 1      | TILT ANGLE GAUGE                                                                                                   |     |
| 119  | 8866529     | NLA    | LH CAB MIRROR, (no longer available, use item 8866514 for replacement) <b>(Prior to SN 0160037133)</b>             |     |
| 119  | 8866514     | 1      | LH CAB MIRROR <b>(SN 0160037133 to Present)</b>                                                                    |     |
| 120  | 8866530     | NLA    | MIRROR MOUNT ARM, (no longer available, use Kit K1 for replacement) <b>(Prior to SN 0160042155)</b>                |     |
| 120  | 1001114675  | 1      | MIRROR MOUNT ARM <b>(SN 0160042155 to Present)</b>                                                                 |     |
| 121  | 88521205    | 4      | LOCKNUT, 5/16-18                                                                                                   |     |
| 122  | 1001080360  | 1      | 4 IN ELECTRIC GAUGE                                                                                                |     |
| 127  | 1001080493  | 1      | RIGHT SIDE CONSOLE, (includes items 801 thru 809 & items 2, 12 & 17 See ELECTRICAL SECTION)                        | J   |
| 132  | 1001080612  | 1      | CAPACITY CHART HOLDER, (includes items 2001 thru 2004)                                                             | D   |
| 137  | 1001108196  | 4      | SPECIAL TRUSS HD CAPSCREW, 5/16-18                                                                                 |     |
| 138  | 1001080983  | 1      | FUSE BLOCK BRACKET                                                                                                 |     |
| 139  | 1001080986  | 4      | PAN HD SCREW, 12-24                                                                                                |     |
| 140  | 1001080987  | 4      | LOCKNUT, 12-24                                                                                                     |     |
| 141  | 1001080988  | 4      | FLAT WASHER                                                                                                        |     |
| 142  | 1001097108  | 1      | SOCKET PLUG <b>(Prior to SN 0160043766)</b>                                                                        |     |
| 142  | 1001114867  | 1      | 12V POWER POINT SOCKET <b>(SN 0160043766 to Present)</b>                                                           |     |
| 144  | 1001081093  | 1      | CAB INSULATION, (not shown)                                                                                        |     |
| 154  | 1001080418  | 1      | GROUND WIRE HARNESS                                                                                                |     |
| 158  | 1001117158  | 1      | MOUNTING PLATE                                                                                                     |     |
| 159  | 8307024     | 2      | LOCKWASHER, 6mm <b>(SN 0160042155 to Present)</b>                                                                  |     |
| 162  | 4060803     | 4.5 in | FLEX TRIM SHIELD, (not shown)                                                                                      |     |
| 201  | 1001080379  | 1      | IGNITION SWITCH                                                                                                    |     |
| 201  | 70020621    | 1      | KEY, (not shown)                                                                                                   |     |
| 202  |             | Ref    | STEERING WHEEL CENTER CAP, (See CONTROLS SECTION for Breakdown)                                                    |     |
| 203  | 1001100053  | 1      | START SWITCH JUMPER HARNESS <b>(SN 0160042433 to Present)</b>                                                      |     |
| 301  | 8303034     | 4      | TRUSS HD SCREW, 1/4-20X3/4, (G5-18A)                                                                               |     |
| 302  | 101977201   | 2      | TRUSS SCREW, 1/4-20X1-1/2, (G5-18A)                                                                                |     |
| 304  |             | Ref    | PARK BRAKE RELEASE VALVE ASSY, (G5-18A), (not shown), (See HYDRAULIC COMPONENTS SECTION for Breakdown)             |     |
| 305  | 1001080941  | 1      | PARK BRAKE VALVE BRACKET, (G5-18A)                                                                                 |     |
| 401  | 3290405     | 2      | HEX LOCKNUT, M4X0.7, GR8                                                                                           |     |
| 402  | 4031509     | 2      | HEX SOCKET HD SCREW, M4X25                                                                                         |     |
| 404  | 4811400     | 4      | WASHER, 4mm                                                                                                        |     |
| 405  | 8303034     | 8      | TRUSS HD SCREW, 1/4-20X3/4, (2505)                                                                                 |     |

## SECTION 6 - CAB

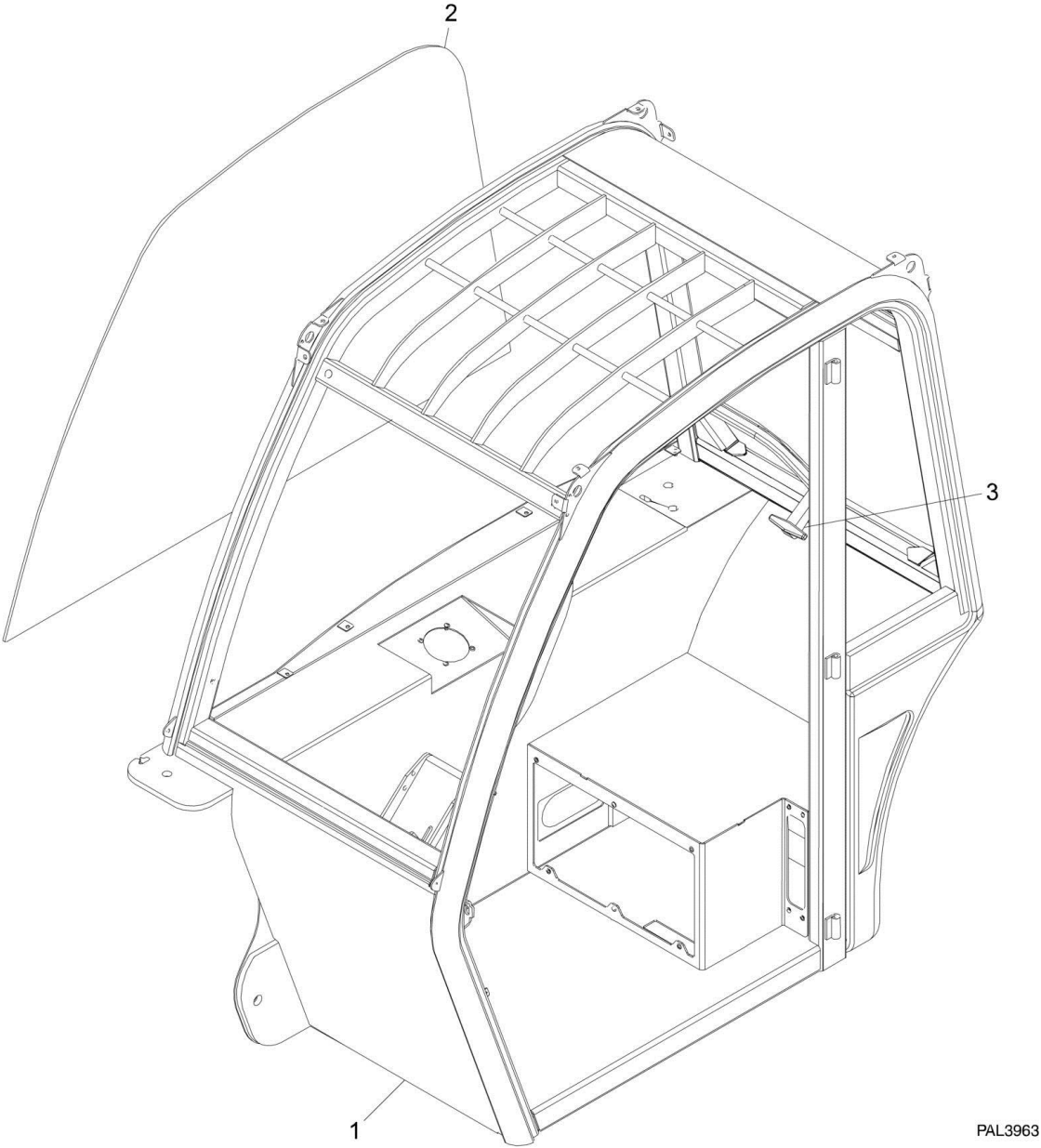
| ITEM | PART NUMBER | QTY   | DESCRIPTION                                                                                              | REV |
|------|-------------|-------|----------------------------------------------------------------------------------------------------------|-----|
| 408  | 1001080589  | 1     | PARK BRAKE VALVE MOUNT, (2505)                                                                           |     |
| 409  | 1001080610  | 1     | TURN/HIGH BEAM INDICATOR                                                                                 |     |
| 413  |             | Ref   | PARK BRAKE RELEASE VALVE ASSY, (2505), (not shown), (See HYDRAULIC COMPONENTS SECTION for Breakdown)     |     |
| 417  | 3271405     | 4     | HEX LOCKNUT, 1/4-20, GR8, (2505)                                                                         |     |
| 501  | 1001080847  | 1     | FLOOR SKID ASSY                                                                                          |     |
| 502  | 1001080962  | 1     | OPEN CAB DASH ASSY, (includes items 551, 552 & 651) <b>(Prior to SN 0160049629)</b>                      | D   |
| 502  | 1001080962  | 1     | OPEN CAB DASH ASSY, (includes items 551 & 651) <b>(SN 0160049629 to Present)</b>                         | E   |
| 504  | 8303034     | 6     | TRUSS HD SCREW, 1/4-20x3/4                                                                               |     |
| 551  | 1001080961  | 1     | OPEN CAB DASH PANEL <b>(Prior to SN 0160049629)</b>                                                      |     |
| 551  | 1001148736  | 1     | OPEN CAB DASH PANEL ASSEMBLY, (includes items 1002 & 1003) <b>(SN 0160049629 to Present)</b>             | A   |
| 552  | 1001080853  | 1     | CENTER DASH COVER <b>(Prior to SN 0160049629)</b>                                                        |     |
| 601  | 1001108137  | 2     | HEX HD CAPSCREW, 1/4-20X1-1/4, GR5                                                                       |     |
| 604  | 1001080492  | 1     | ENCLOSED DASH ASSY, (includes items 651 thru 654) <b>(Prior to SN 0160049629)</b>                        | D   |
| 604  | 1001080492  | 1     | ENCLOSED DASH ASSY, (includes items 651 thru 653) <b>(SN 0160049629 to Present)</b>                      | E   |
| 606  |             | Ref   | LOWER DUCT, (See HEATER AND AC - CAB for Breakdown)                                                      |     |
| 607  |             | Ref   | FRONT DUCT, (See HEATER AND AC - CAB for Breakdown)                                                      |     |
| 608  |             | Ref   | TRUSS HD SCREW, 1/4-20X3/4, (See HEATER AND AC - CAB for Breakdown)                                      |     |
| 609  | 1001080933  | Ref   | WASHER TANK WITH PUMP INSTALLATION, (not available to order, see items 671 thru 676 for service)         | E   |
| 610  |             | Ref   | TIE WRAP, (not shown), (See HEATER AND AC - CAB for Breakdown)                                           |     |
| 611  | 82033997    | 42 in | WINDOW WASHER HOSE                                                                                       |     |
| 612  | 1001080931  | 2     | DUCT HOSE, (not shown)                                                                                   |     |
| 613  | 3746405     | NLA   | WINDOW WASHER HOSE, (not shown), (no longer available, use 82033997 for replacement)                     |     |
| 651  | 1001080494  | 3     | SWITCH COVER                                                                                             |     |
| 652  | 1001080802  | 1     | DASH PANEL PLASTIC <b>(Prior to SN 0160049629)</b>                                                       |     |
| 652  | 1001148735  | 1     | ENCLOSED CAB DASH PANEL PLASTIC ASSEMBLY, (includes items 1001 & 1003) <b>(SN 0160049629 to Present)</b> | A   |
| 653  | 1001080848  | 4     | VENT                                                                                                     |     |
| 654  | 1001080853  | 1     | COVER <b>(Prior to SN 0160049629)</b>                                                                    |     |
| 671  | 0641410     | 2     | HEX HD CAPSCREW, 1/4-20X1, GR5                                                                           |     |
| 672  | 3900302     | 2     | STAINLESS STEEL SCREW, #8                                                                                |     |
| 673  | 1001080382  | 1     | WINDSHIELD WASHER PUMP                                                                                   |     |
| 674  | 1001080824  | 1     | WASHER FLUID BOTTLE, (includes items 681 thru 683)                                                       | B   |
| 675  | 1001080932  | 1     | CLAMP                                                                                                    |     |
| 676  | 1001003369  | NLA   | HOSE, (no longer available, use 82033997 for replacement)                                                |     |
| 677  | 4711400     | 2     | WASHER, 1/4                                                                                              |     |
| 681  | 1001080872  | 1     | CAP                                                                                                      |     |
| 682  | 1001097319  | 1     | WASHER FLUID TANK                                                                                        |     |
| 683  | 1001081234  | 1     | FITTING                                                                                                  |     |
|      | 0275492     | Ref   | CAB INSTALLATION, (not available to order, see items 701 thru 711 for service)                           | F   |
| 701  | 0682228     | 1     | HEX HD CAPSCREW, 3/4-10X3-1/2, GR8                                                                       |     |
| 702  | 0682440     | 2     | HEX HD CAPSCREW, 7/8-9X5, GR8                                                                            |     |
| 703  | 3272201     | 2     | HEX NUT, 3/4-10, GR8                                                                                     |     |
| 704  | 3272401     | 2     | HEX NUT, 7/8-9, GR8                                                                                      |     |

## SECTION 6 - CAB

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                        | REV    |
|------|-------------|-----|--------------------------------------------------------------------------------------------------------------------|--------|
| 705  | 4892400     | 2   | WASHER, 7/8                                                                                                        | D<br>E |
| 706  | 90027473    | 2   | WASHER, 3/4                                                                                                        |        |
| 707  | 91403097    | 2   | CENTER BONDED MOUNT                                                                                                |        |
| 708  | 1001080992  | 2   | WASHER                                                                                                             |        |
| 709  | 91403153    | 4   | SHOCK MOUNT                                                                                                        |        |
| 710  | 91403217    | 2   | REBOUND WASHER                                                                                                     |        |
| 711  | 0682230     | 1   | HEX HD CAPSCREW, 3/4-10X3-3/4, GR8, (not shown)                                                                    |        |
| 801  | 1001080803  | NLA | RIGHT SIDE CONSOLE, (no longer available, use 1001153627 for replacement)                                          |        |
| 801  | 1001153627  | 1   | RIGHT SIDE CONSOLE                                                                                                 |        |
| 802  | 1001080813  | NLA | LOWER RIGHT SIDE CONSOLE, (no longer available, use 1001153626 for replacement)                                    |        |
| 802  | 1001153626  | 1   | LOWER RIGHT SIDE CONSOLE                                                                                           |        |
| 806  | 1001080494  | 11  | SWITCH COVER                                                                                                       |        |
| 807  | 1001080969  | 1   | SIX GANG SWITCH MOUNT PANEL                                                                                        |        |
| 808  | 1001080970  | 1   | EIGHT GANG SWITCH MOUNT PANEL                                                                                      |        |
| 809  | 1001139011  | 12  | PAN HD SCREW, #8-32                                                                                                |        |
|      | 1001081287  | Ref | FRONT BRICK GUARD INSTALLATION, (if equipped), (not available to order, see items 902, 903, 907 & 950 for service) |        |
|      | 1001081286  | Ref | TOP BRICK GUARD INSTALLATION, (if equipped), (not available to order, see items 901 thru 906 for service)          |        |
| 901  | 1001080859  | 1   | UPPER BRICK GUARD                                                                                                  |        |
| 902  | 0630468     | 4   | BUTTON HD CAPSCREW, 5/16-18X1                                                                                      |        |
| 903  | 1001108115  | 4   | HEX LOCKNUT, 5/16, GR8                                                                                             |        |
| 904  | 1001081296  | 1   | LEFT BRICK GUARD WELDMENT                                                                                          |        |
| 905  | 1001081298  | 1   | RIGHT BRICK GUARD WELDMENT                                                                                         |        |
| 906  | 1001108242  | 4   | SCREW, 1/4-20X1/2, GR5                                                                                             |        |
| 907  | 1001138703  | 2   | BRICK GUARD SPACER                                                                                                 |        |
| 950  | 1001080860  | 1   | LOWER BRICK GUARD SHIELD                                                                                           |        |
| 961  | 1001109478  | 1   | STRIKER LATCH, (enclosed cab)                                                                                      |        |
| 962  | 3291201     | 1   | HEX NUT, M12X1-3/4, (enclosed cab)                                                                                 |        |
| 963  | 1001009126  | 1   | HARD WASHER, (enclosed cab)                                                                                        |        |
| 1001 | 1001148733  | NLA | ENCLOSED CAB DASH PLASTIC, (no longer available, use 1001153625 for replacement)                                   |        |
| 1001 | 1001153625  | 1   | ENCLOSED CAB DASH PLASTIC                                                                                          |        |
| 1002 | 1001148734  | NLA | OPEN CAB DASH PLASTIC, (no longer available, use 1001153624 for replacement)                                       |        |
| 1002 | 1001153624  | 1   | OPEN CAB DASH PLASTIC                                                                                              |        |
| 1003 | 1001144544  | 1   | COVER (SN 0160049629 to Present)                                                                                   |        |
| K1   | 1001144509  | 1   | LH MIRROR REPLACEMENT KIT, (includes mirror mount arm and hardware)                                                |        |
| 2001 | 1001081301  | 1   | LOAD CHART PANEL                                                                                                   |        |
| 2002 | 1001081302  | 1   | LOAD CHART WIRE CLIP HOLDER                                                                                        |        |
| 2003 | 8303034     | 1   | TRUSS HD SCREW, 1/4-20X0.75                                                                                        |        |
| 2004 | 3311405     | 1   | Nut, 1/4-20                                                                                                        |        |

SECTION 6 - CAB

FIGURE 6-2. OPEN CAB - G5-18A



PAL3963

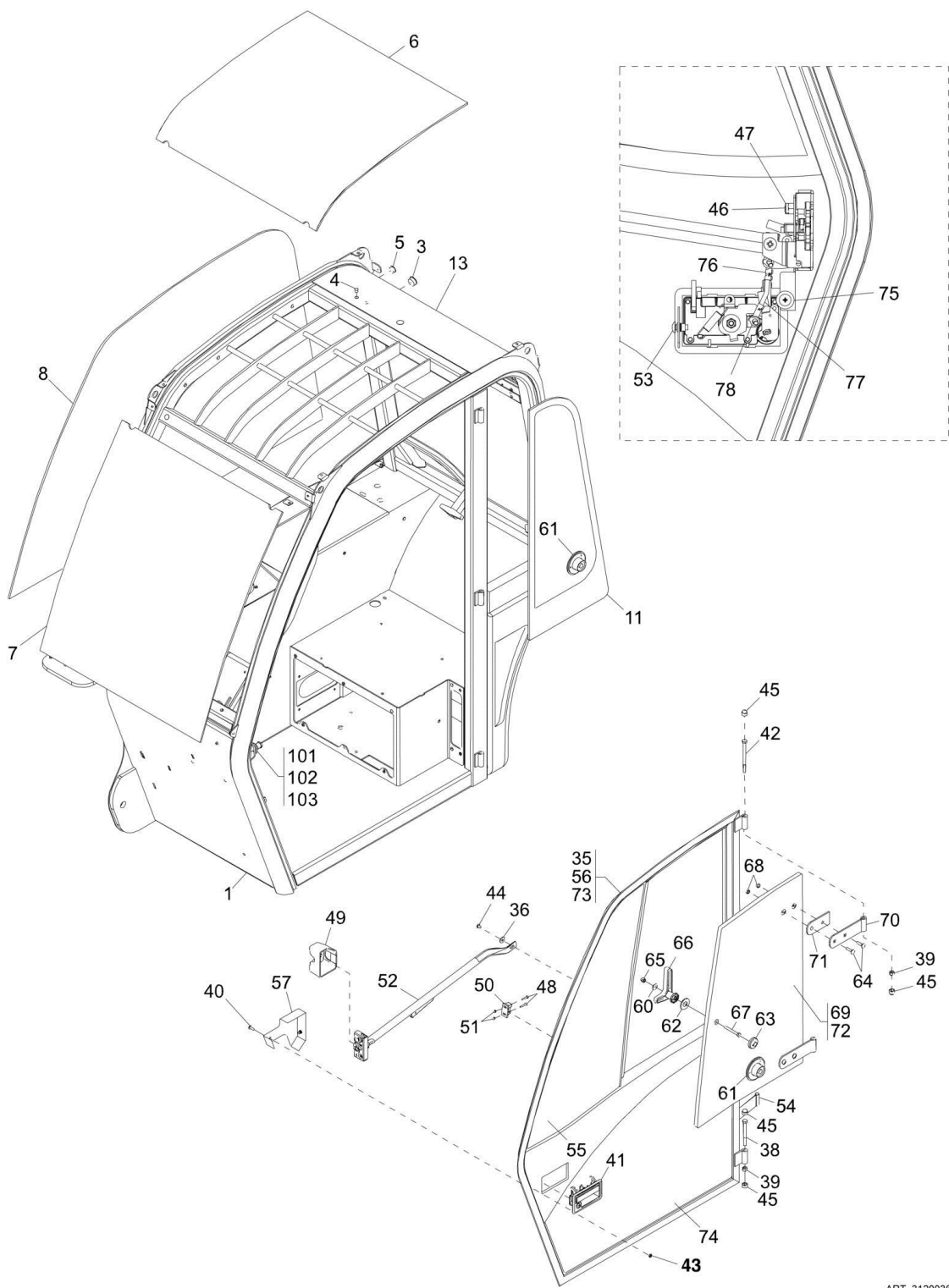


FIGURE 6-2. OPEN CAB - G5-18A

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                              | REV |
|------|-------------|-----|--------------------------------------------------------------------------|-----|
|      | 1001081291  | 1   | OPEN CAB, (G5-18A), (includes items 1 thru 3)                            | H   |
| 1    | N.S.S.      | 1   | CAB WELDMENT                                                             |     |
| 2    | 1001080798  | 1   | RIGHT SIDE GLASS                                                         |     |
| 3    |             | Ref | REAR HINGED WINDOW, (See REAR HINGED WINDOW<br>INSTALLION for Breakdown) |     |

SECTION 6 - CAB

FIGURE 6-3. ENCLOSED CAB INSTALLATION



ART\_31200360-6-3

FIGURE 6-3. ENCLOSED CAB INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                    | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------|-----|
|      | 1001081292  | Ref | ENCLOSED CAB INSTALLATION, (not available to order, see items 1, 6 thru 11, 13, 35 & 101 thru 103 for service) | I   |
| 1    | N.S.S.      | 1   | CAB WELDMENT                                                                                                   |     |
| 3    | 70021066    | 1   | PLUG, (if equipped)                                                                                            |     |
| 4    | 80264035    | 4   | PLUG, (if equipped)                                                                                            |     |
| 5    | 91164087    | 3   | PLUG, (if equipped)                                                                                            |     |
| 6    | 1001080821  | 1   | SKYLIGHT GLASS                                                                                                 |     |
| 7    | 1001080797  | 1   | FRONT GLASS                                                                                                    |     |
| 8    | 1001080798  | 1   | RIGHT SIDE GLASS                                                                                               |     |
| 11   | 1001080801  | 1   | LEFT SIDE GLASS                                                                                                |     |
| 12   | 80364009    | 3   | SEALANT, (not shown)                                                                                           |     |
| 13   |             | Ref | REAR HINGED WINDOW, (See REAR HINGED WINDOW for Breakdown)                                                     |     |
| 35   | 1001081288  | 1   | DOOR ASSY, (includes items 12 & 36 thru 74)                                                                    | E   |
| 36   | 8034800     | 1   | BLACK NYLON WASHER                                                                                             |     |
| 37   | 70021075    | 2   | HEX BOLT, G5, (not shown)                                                                                      |     |
| 38   | 80364005    | 1   | HEX HD CAPSCREW                                                                                                |     |
| 39   | 8035632     | 3   | HEX NUT, G5                                                                                                    |     |
| 40   | 80264045    | 2   | SCREW                                                                                                          |     |
| 41   | 1001081241  | 1   | LATCH, PADDLE W/KEY                                                                                            |     |
| 41   | 8342813     | 1   | KEY, (set of two)                                                                                              |     |
| 42   | 8036064     | 2   | HEX BOLT, 3/8-16X6-1/2                                                                                         |     |
| 43   | 70021038    | 2   | NUT, G2                                                                                                        |     |
| 44   | 70021108    | 1   | BOLT                                                                                                           |     |
| 45   | 80364004    | 6   | CAP                                                                                                            |     |
| 46   | 70021077    | 2   | BOLT                                                                                                           |     |
| 47   | 70021078    | 2   | HEX NUT                                                                                                        |     |
| 48   | 70021079    | 2   | BOLT                                                                                                           |     |
| 49   | 70021080    | 1   | LATCH COVER                                                                                                    |     |
| 50   | 1001081245  | 1   | WINDOW LATCH BLOCK                                                                                             |     |
| 51   | 70021082    | 2   | NUT, M6X1                                                                                                      |     |
| 52   | 1001081247  | 1   | DOOR HANDLE, (includes item 49)                                                                                | C   |
| 53   | 1001103509  | 2   | RIVNUT                                                                                                         |     |
| 54   | 1001081249  | 1   | DOOR RESTRAINT STRAP                                                                                           |     |
| 55   | 1001081235  | 1   | FRONT DOOR GLASS                                                                                               |     |
| 56   | 1001080867  | 1   | DOOR FRAME                                                                                                     |     |
| 57   | 1001081248  | 1   | LATCH COVER                                                                                                    |     |
| 58   | 1001081250  | NLA | LATCH LINKAGE, (not shown), (no longer available, use items 76 thru 78 for replacement)                        |     |
| 60   | 80364037    | 1   | FLAT WASHER, 3/8                                                                                               |     |
| 61   | 1001081243  | 1   | HOLD-OPEN DOOR                                                                                                 |     |
| 62   | 70021090    | 1   | SEAL                                                                                                           |     |
| 63   | 1001081246  | 5   | WINDOW CAP                                                                                                     |     |
| 64   | 70021092    | 4   | BOLT                                                                                                           |     |
| 65   | 70021093    | 1   | NUT                                                                                                            |     |
| 66   | 1001081244  | 1   | LATCH HANDLE                                                                                                   |     |
| 67   | 70021095    | 1   | HEX BOLT                                                                                                       |     |
| 68   | 70021096    | 4   | NUT, M8                                                                                                        |     |
| 69   | 1001081236  | 1   | HINGED DOOR GLASS                                                                                              |     |
| 70   | 1001081242  | 2   | HINGE                                                                                                          |     |

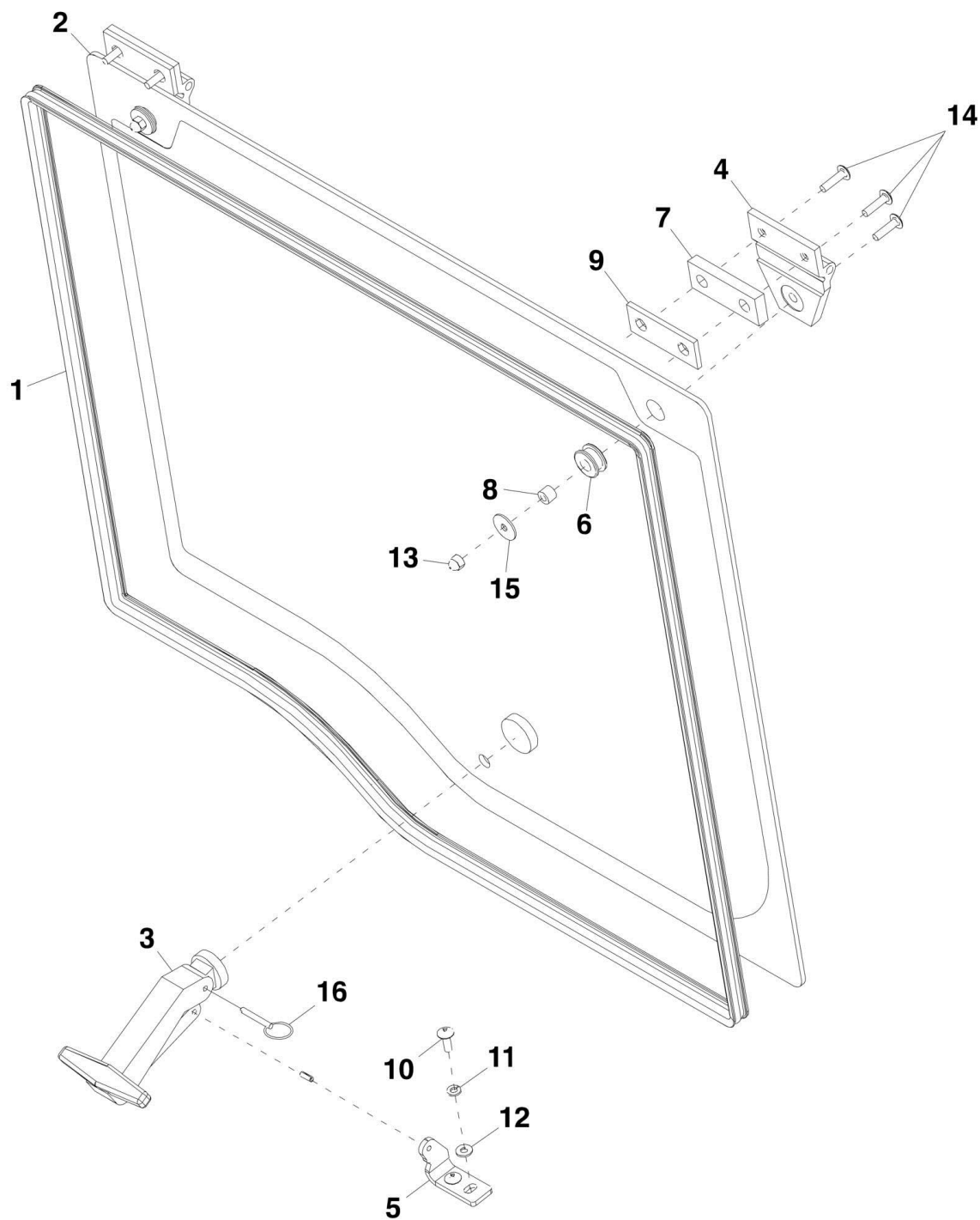
## SECTION 6 - CAB

| ITEM | PART NUMBER | QTY | DESCRIPTION                                             | REV |
|------|-------------|-----|---------------------------------------------------------|-----|
| 71   | 1001081266  | 2   | SPACER                                                  |     |
| 72   | 1001081268  | 1   | SEAL                                                    |     |
| 73   | 1001081314  | 1   | DOOR SEAL                                               |     |
| 74   | 1001081239  | 1   | LOWER DOOR PANEL                                        |     |
| 75   | 1001165585  | 1   | WASHER                                                  |     |
| 76   | 80384187    | 1   | ROD, RETAINER CLIP                                      |     |
| 77   | 91404309    | 1   | ROD, DOOR RELEASE                                       |     |
| 78   | 80384185    | 1   | ROD, RETAINER CLIP                                      |     |
| 101  |             | Ref | HEX NUT, M12X1-3/4, (See CAB INSTALLAION for Breakdown) |     |
| 102  |             | Ref | WASHER, (See CAB INSTALLAION for Breakdown)             |     |
| 103  |             | Ref | LATCH STRIKER, (See CAB INSTALLAION for Breakdown)      |     |



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FIGURE 6-4. REAR HINGED WINDOW INSTALLATION



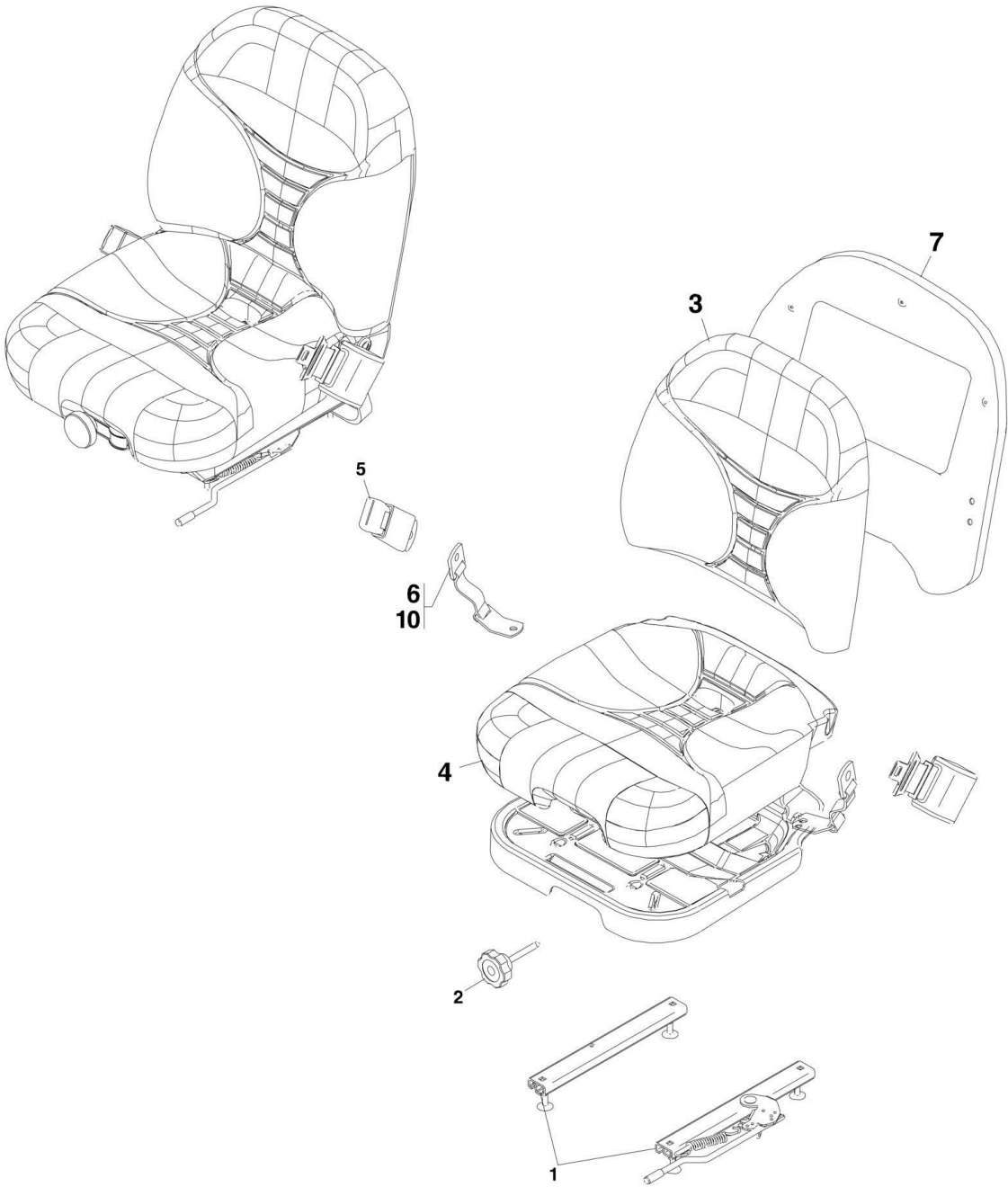
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FIGURE 6-4. REAR HINGED WINDOW INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------------|-----|
|      | 1001080796  | Ref | REAR HINGED WINDOW INSTALLATION, (not available to order, see items 1 thru 16 for service) | G   |
| 1    | 1001107997  | 1   | WINDOW REAR SEAL                                                                           |     |
| 2    | 1001080926  | 1   | REAR HINGED GLASS                                                                          |     |
| 3    | 1001081280  | 1   | T-STYLE HOLD OPEN                                                                          |     |
| 4    | 1001081281  | 2   | PLASTIC HINGE                                                                              |     |
| 5    | 1001081282  | 1   | REAR WINDOW LATCH BRACKET                                                                  |     |
| 6    | 1001081283  | 2   | GROMMET                                                                                    |     |
| 7    | 1001081284  | 2   | HINGE SEAL                                                                                 |     |
| 8    | 1001081285  | 2   | BUSHING                                                                                    |     |
| 9    | 1001081289  | 2   | HINGE MOUNTING PAD                                                                         |     |
| 10   | 1001108161  | 2   | TRUSS HD SCREW, 1/4-20X0.75                                                                |     |
| 11   | 1001108547  | 2   | LOCKWASHER, 1/4                                                                            |     |
| 12   | 1001108548  | 2   | WASHER, 1/4                                                                                |     |
| 13   | 1001108549  | 2   | NUT, 1/4-20                                                                                |     |
| 14   | 1001110067  | 6   | TORX SCREW, 1/4-20X1.25                                                                    |     |
| 15   | 1001108552  | 2   | FLAT WASHER, 1/4                                                                           |     |
| 16   | 1001109417  | 1   | DETENT RING PIN                                                                            |     |

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FIGURE 6-5. SUSPENSION SEAT



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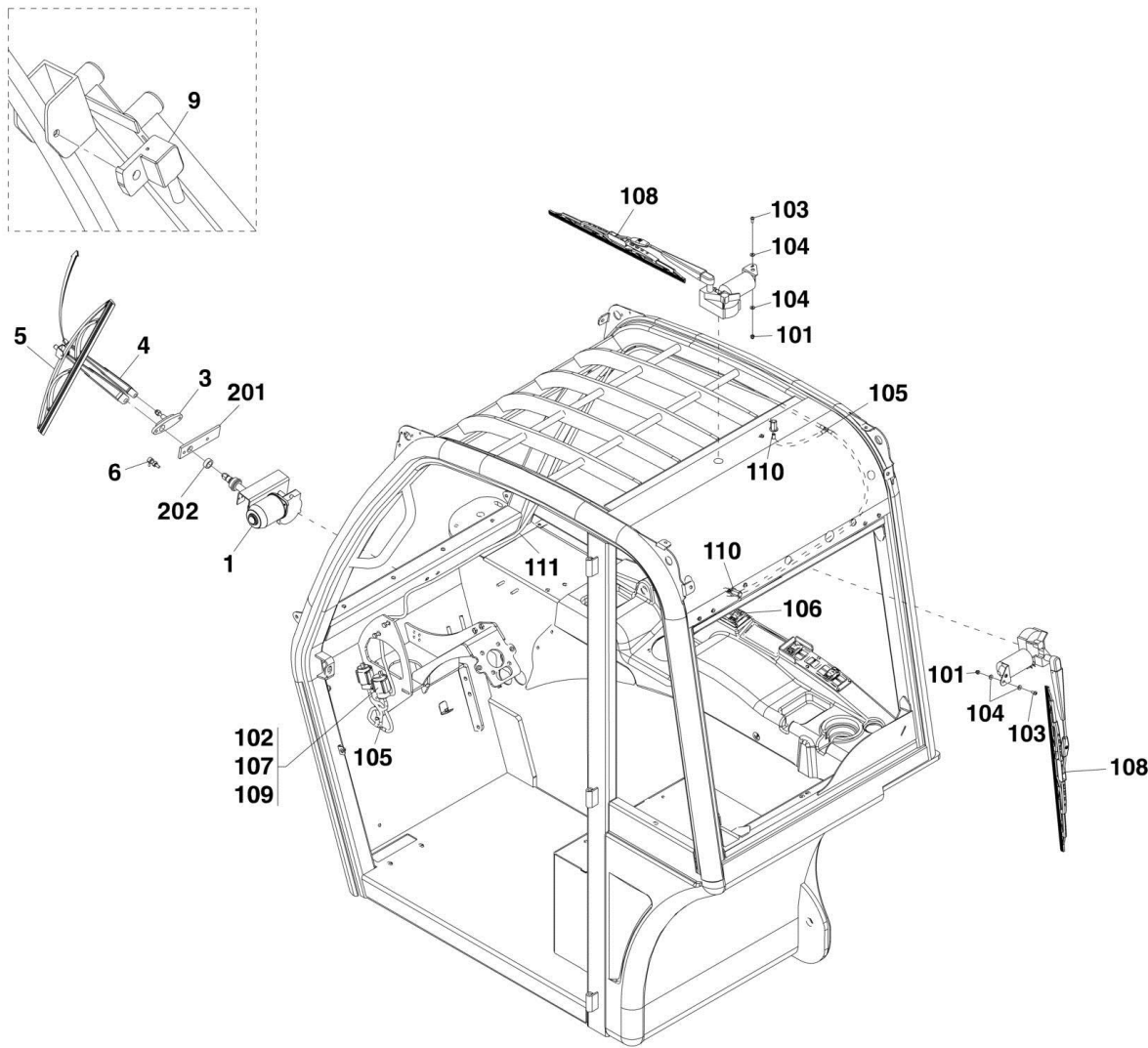


FIGURE 6-5. SUSPENSION SEAT

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                     | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------|-----|
|      | 3980039     | 1   | SUSPENSION SEAT, (G5-18A), (includes items 1 thru 9)                                            | E   |
|      | 1001080927  | 1   | SUSPENSION SEAT, (2505), (includes items 1 thru 9)                                              | D   |
| 1    | 7026798     | 1   | SLIDE KIT                                                                                       |     |
| 2    | 7026799     | 1   | KNOB KIT                                                                                        |     |
| 3    | 7026900     | 1   | BACK CUSHION KIT, (G5-18A)                                                                      |     |
| 3    | 70021580    | 1   | BACK CUSHION KIT, (2505)                                                                        |     |
| 4    | 7026901     | 1   | SEAT CUSHION KIT, (G5-18A)                                                                      |     |
| 4    | 70020929    | 1   | SEAT CUSHION KIT, (2505)                                                                        |     |
| 5    | 7026905     | 1   | SEAT BELT KIT                                                                                   |     |
| 6    | 7026906     | 1   | TETHER KIT                                                                                      |     |
| 7    | 7026902     | 1   | BACK PANEL KIT                                                                                  |     |
| 8    | 70023040    | 1   | SHOCK ABSORBER KIT, (not shown), (includes one shock absorber, two shock pins and two hex nuts) |     |
| 9    | 70023041    | 1   | SPRING AND SADDLE KIT, (not shown)                                                              |     |
| 10   | 91563164    | 1   | 3 IN SEATBELT                                                                                   |     |

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FIGURE 6-6. WIPER INSTALLATION



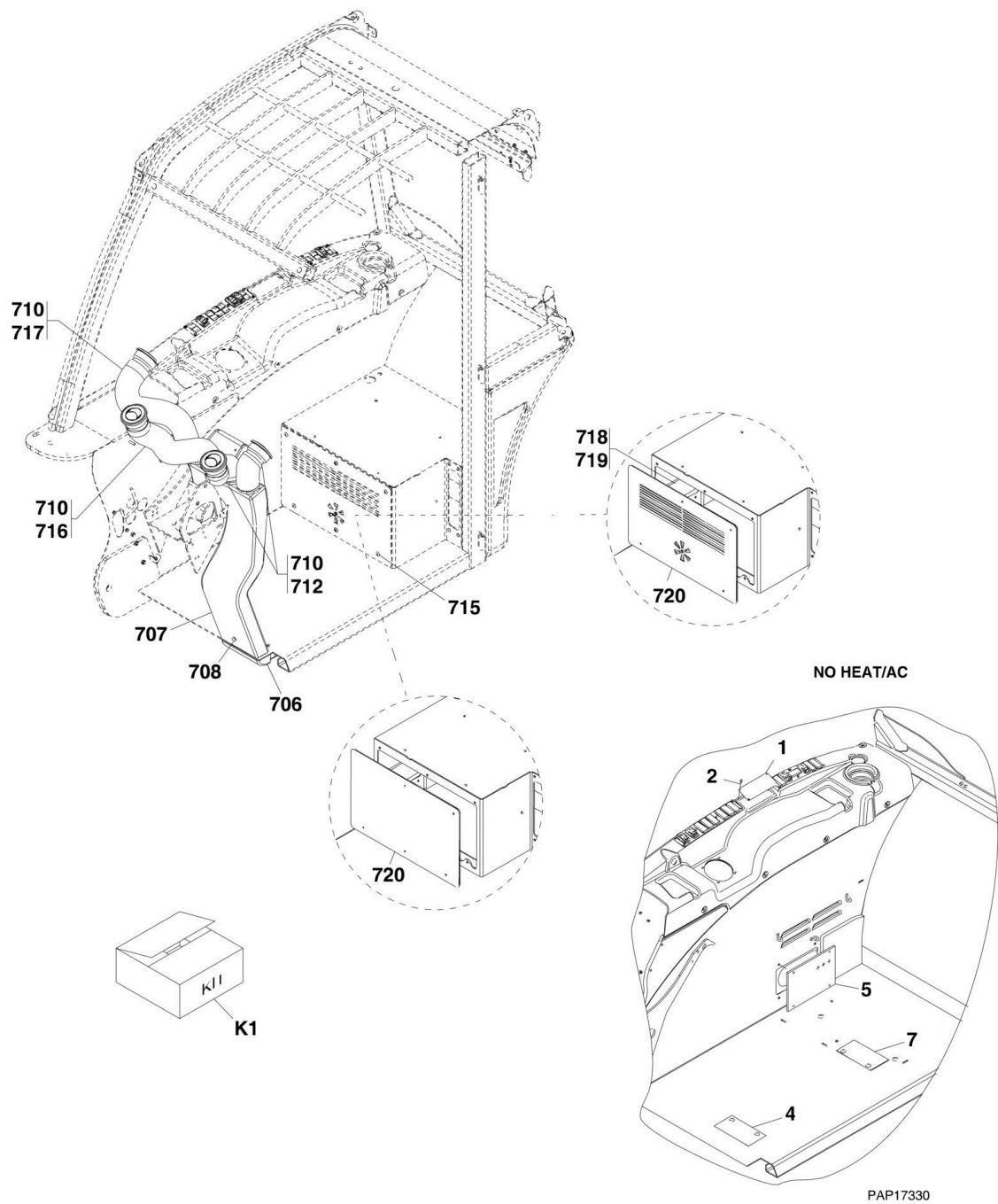
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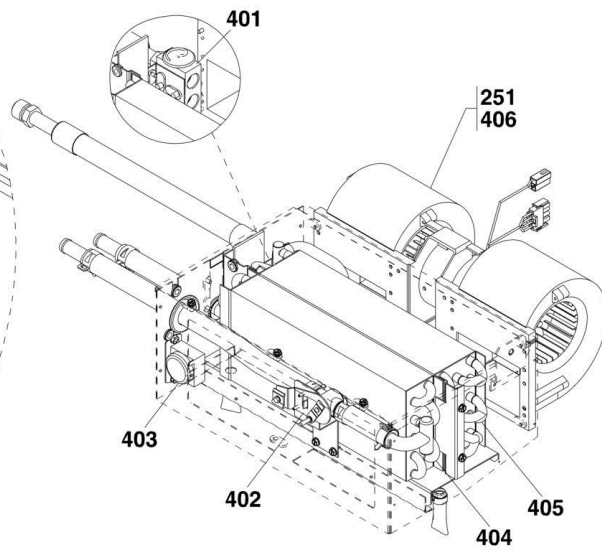
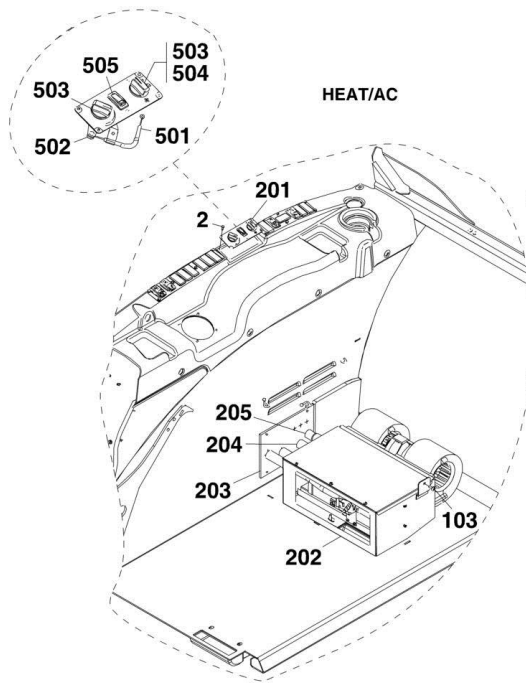
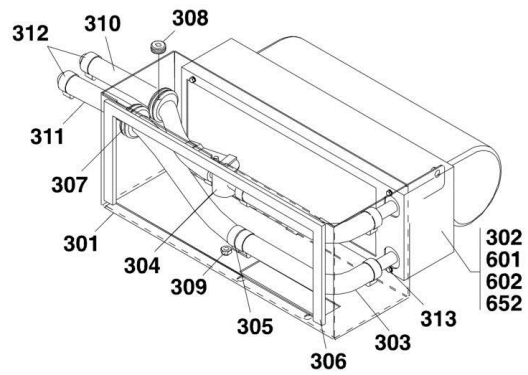
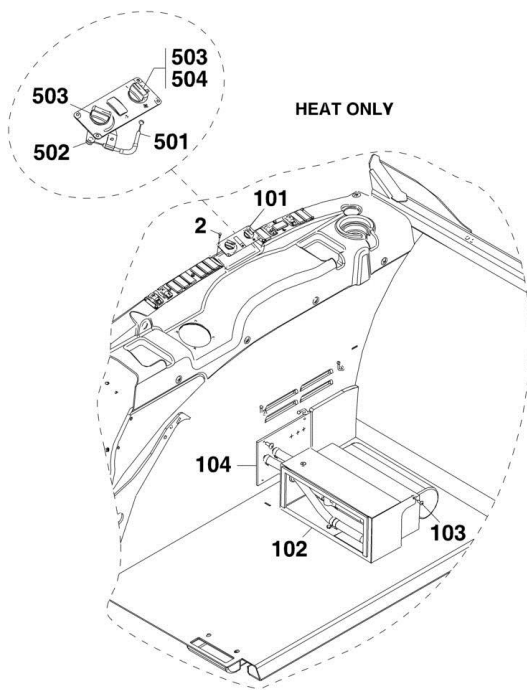
FIGURE 6-6. WIPER INSTALLATION

| ITEM | PART NUMBER | QTY    | DESCRIPTION                                                                                | REV |
|------|-------------|--------|--------------------------------------------------------------------------------------------|-----|
|      | 1001080499  | 1      | FRONT WIPER ASSY, (includes items 1 thru 9)                                                | H   |
| 1    | 1001080383  | 1      | FRONT WIPER MOTOR                                                                          |     |
| 3    | 1001081307  | 1      | ADAPTER KIT                                                                                |     |
| 4    | 1001081308  | 1      | WIPER ARM                                                                                  |     |
| 5    | 1001081309  | 1      | WIPER BLADE                                                                                |     |
| 6    | 1001081310  | 1      | WET ARM ADAPTOR                                                                            |     |
| 9    | 1001081311  | 1      | WET ARM KIT                                                                                |     |
|      | 1001080877  | Ref    | ROOF/REAR WIPER INSTALLATION, (not available to order, see items 101 thru 111 for service) |     |
| 101  | 1001108241  | NLA    | LOCKNUT, #10-32, (no longer available, use 8305002 for replacement)                        | H   |
| 101  | 8305002     | 2      | LOCKNUT, #10-32                                                                            |     |
| 102  | 3900302     | 2      | SOCKET HD CAPSCREW, GR8                                                                    |     |
| 103  | 1001108134  | NLA    | TORX HD SCREW, #10-32X1/2, (no longer available, use 1001097099 for replacement)           |     |
| 103  | 1001097099  | 2      | TORX HD SCREW, #10-32X5/8                                                                  |     |
| 104  | 4740120     | 4      | NYLON WASHER, 0.48X0.6mm                                                                   |     |
| 105  | 1001008742  | 2      | TEE COUPLING                                                                               |     |
| 106  |             | Ref    | REAR/ROOF WIPER SWITCH, (See ELECTRICAL SECTION for Breakdown)                             |     |
| 107  | 1001080382  | 1      | WINDSHIELD WASHER PUMP                                                                     |     |
| 108  | 1001080823  | NLA    | ROOF/REAR WIPER, (no longer available, use 1001179547 for replacement)                     |     |
| 108  | 1001179547  | 2      | ROOF/REAR WIPER                                                                            |     |
| 109  | 1001080932  | 1      | WASHER PUMP CLAMP                                                                          |     |
| 110  | 1001080985  | 2      | SPRAY NOZZLE                                                                               |     |
| 111  | 82033997    | 157 in | HOSE                                                                                       |     |
| 201  | 1001081306  | 1      | FRONT WIPER SPACER                                                                         |     |
| 202  | 1001137688  | 1      | SPACER                                                                                     |     |

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FIGURE 6-7. HEATER AND AC - CAB





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FIGURE 6-7. HEATER AND AC - CAB

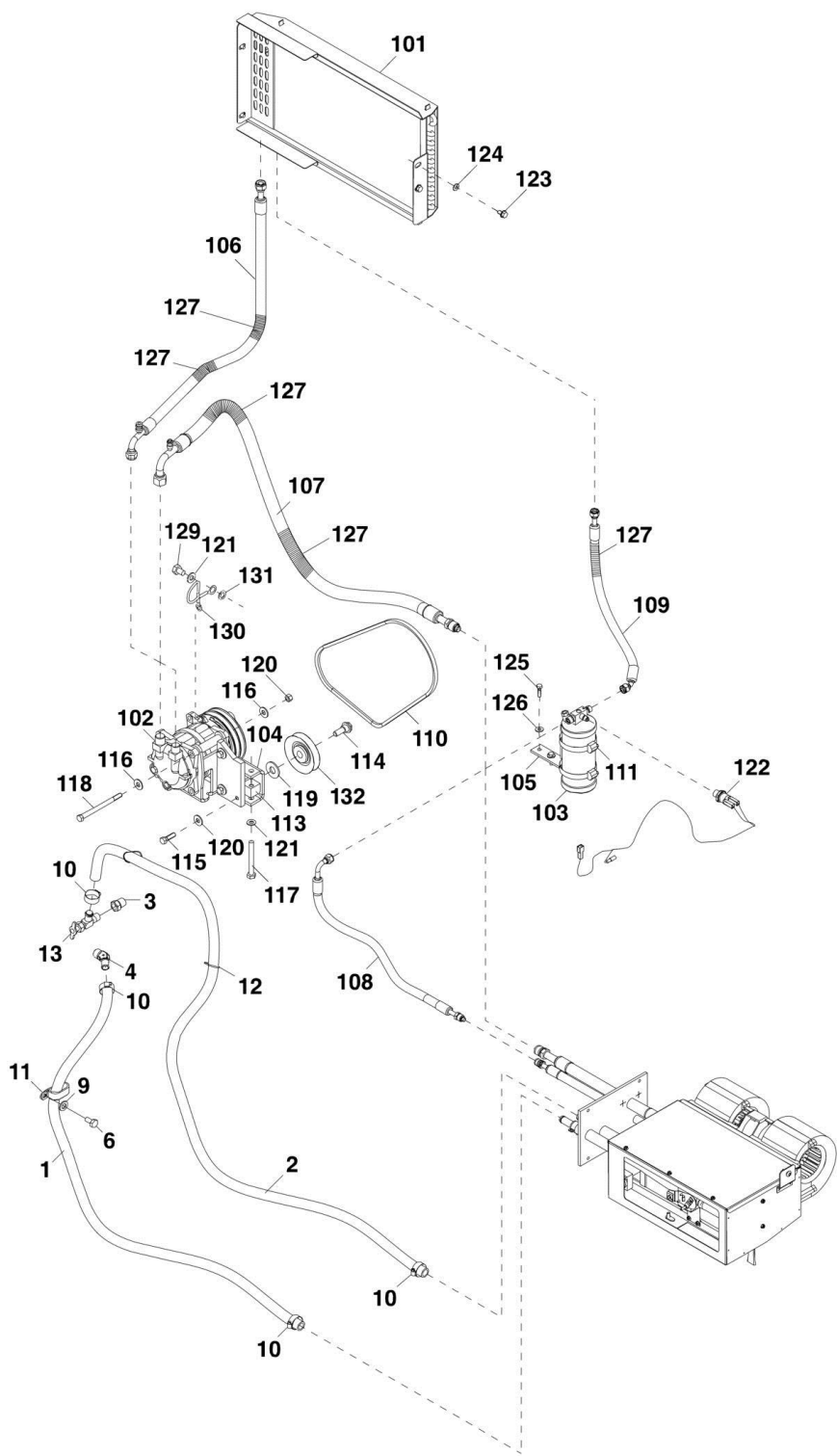
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                        | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001080876  | Ref | NO HEAT/AC INSTALLATION, (open cab), (not available to order, see items 1 thru 7 for service)                                                                      | G   |
|      | 1001080811  | Ref | HEAT ONLY INSTALLATION, (enclosed cab, if equipped), (not available to order, see items 2 & 101 thru 104 for service)                                              | L   |
|      | 1001080812  | Ref | HEAT AND AC INSTALLATION, (enclosed cab, if equipped), (not available to order, see items 2, 103 & 201 thru 205 for service)                                       | K   |
| 1    | 1001080852  | 1   | HEATER CONTROL COVER                                                                                                                                               |     |
| 2    | 1001137454  | 4   | PAN HD SCREW, #8-32X3/8                                                                                                                                            |     |
| 4    | 1001080974  | 1   | DUCTWORK PANEL                                                                                                                                                     |     |
| 5    | 1001080975  | 1   | PARKING BRAKE RELEASE VALVE ONLY PANEL                                                                                                                             |     |
| 7    | 1001081023  | 1   | DUCTWORK PANEL                                                                                                                                                     |     |
| 101  | 1001080930  | 1   | HEATER CONTROL SWITCH, (includes items 501 thru 504)                                                                                                               | D   |
| 102  | 1001081051  | NLA | HEATER ASSY, (no longer available, use item 1001126227 for replacement or items 301 thru 313 for service) <b>(Prior to SN 0160042155)</b>                          | F   |
| 102  | 1001126227  | 1   | HEATER ASSY, (includes items 301 thru 313) <b>(SN 0160042155 to Present)</b>                                                                                       | B   |
| 103  | 8303034     | 3   | TRUSS HD SCREW, 1/4-20X3/4                                                                                                                                         |     |
| 104  | 1001080976  | 1   | PARKING BRAKE RELEASE VALVE AND HEATER PANEL                                                                                                                       |     |
| 201  | 1001080557  | 1   | HVAC CONTROL SWITCH, (includes items 501 thru 505)                                                                                                                 | C   |
| 202  | 1001113279  | 1   | HEATER WITH AC ASSY, (includes items 251 & 651)                                                                                                                    | C   |
| 203  | 1001080977  | 1   | PARKING BRAKE RELEASE VALVE, HEATER AND AC PANEL                                                                                                                   |     |
| 204  | N.S.S.      | 1   | AC SUPPLY HOSE ASSY                                                                                                                                                |     |
| 205  | N.S.S.      | 1   | AC RETURN HOSE ASSY                                                                                                                                                |     |
| 251  | 1001113277  | 1   | HEATER WITH AC, (includes items 401 thru 406)                                                                                                                      | C   |
| 301  | 1001081042  | 1   | HEATER BOX <b>(Prior to SN 0160042155)</b>                                                                                                                         |     |
| 301  | 1001126253  | 1   | HEATER BOX <b>(SN 0160042155 to Present)</b>                                                                                                                       |     |
| 302  | 1001081043  | NLA | HEATER , (no longer available, use item 1001113276 for replacement or items 601 & 602 for service) <b>(Prior to SN 0160037452, Including 0160038975)</b>           | D   |
| 302  | 1001113276  | NLA | HEATER , (no longer available, use item 1001125775 for replacement or items 651 & 652 for service) <b>(SN 0160037452 through 0160042154, Excluding 0160038975)</b> | C   |
| 302  | 1001125775  | 1   | HEATER, (includes items 651 & 652) <b>(SN 0160042155 to Present)</b>                                                                                               | B   |
| 303  | 1001081048  | 2   | ELBOW HOSE                                                                                                                                                         |     |
| 304  | 1001081045  | 1   | WATER HEATER VALVE <b>(Prior to SN 0160042155)</b>                                                                                                                 |     |
| 304  | 1001126257  | 1   | WATER HEATER VALVE <b>(SN 0160042155 to Present)</b>                                                                                                               |     |
| 305  | 1001081046  | 3   | ADAPTER                                                                                                                                                            |     |
| 306  | 1001081044  | 1   | SEAL                                                                                                                                                               |     |
| 307  | 1001081049  | 2   | SPLIT GROMMET                                                                                                                                                      |     |
| 308  | 1001081050  | 1   | RUBBER GROMMET                                                                                                                                                     |     |
| 309  | 8310369     | 3   | PILOTED HEX WELD NUT, 1/4-20                                                                                                                                       |     |
| 310  | 1001081047  | 1   | HEATER RETURN HOSE                                                                                                                                                 |     |
| 311  | 1001081069  | 1   | HEATER SUPPLY HOSE                                                                                                                                                 |     |
| 312  | 8410009     | 8   | GEAR CLAMP                                                                                                                                                         |     |
| 313  | 1001081073  | 4   | SCREW, #8-15                                                                                                                                                       |     |
| 401  | 70020876    | 1   | BLOCK VALVE                                                                                                                                                        |     |
| 402  | 1001081045  | 1   | WATER HEATER VALVE                                                                                                                                                 |     |
| 403  | 7301302     | 1   | THERMOSTAT                                                                                                                                                         |     |
| 404  | 70020874    | 1   | HEATER COIL                                                                                                                                                        |     |
| 405  | 70020877    | 1   | EVAPORATOR COIL                                                                                                                                                    |     |
| 406  | 70020875    | 1   | BLOWER, 12V                                                                                                                                                        |     |

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| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 501  | 70020878    | 1   | BOWDEN CABLE                                                                                                                                                     |     |
| 502  | 70020879    | 1   | ROTARY CONTROL                                                                                                                                                   |     |
| 503  | 8036438     | 2   | POSITIONING KNOB, (includes set screw)                                                                                                                           |     |
| 504  | 8036463     | 1   | TEMPERATURE CONTROL SWITCH                                                                                                                                       |     |
| 505  | 8036461     | 1   | AIR CONDITIONING SWITCH                                                                                                                                          |     |
| 601  | 70021546    | 1   | BLOWER,12V                                                                                                                                                       |     |
| 602  | 70021547    | 1   | HEATER COIL                                                                                                                                                      |     |
| 651  |             | Ref | JUMPER HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)                                                                                              |     |
| 652  | 1001113610  | 1   | HEATER, (includes items 601 & 602) <b>(Prior to SN 0160042155)</b>                                                                                               | C   |
| 652  | 1001125774  | 1   | HEATER, (includes items 601 & 602) <b>(SN 0160042155 to Present)</b>                                                                                             | B   |
| 706  | 1001080862  | 1   | LOWER DUCT, (enclosed cab)                                                                                                                                       |     |
| 707  | 1001080863  | 1   | FRONT DUCT, (enclosed cab)                                                                                                                                       |     |
| 708  | 1001108196  | 2   | SCREW, (enclosed cab)                                                                                                                                            |     |
| 710  | 01043892    | 8   | TIE WRAP, (enclosed cab)                                                                                                                                         |     |
| 712  | 1001080931  | AR  | DUCT HOSE, (enclosed cab)                                                                                                                                        |     |
| 715  | 8303034     | 6   | TRUSS HD SCREW, 1/4-20X3/4                                                                                                                                       |     |
| 716  | 1001081331  | 1   | DUCT HOSE, (enclosed cab)                                                                                                                                        |     |
| 717  | 1001081332  | 1   | DUCT HOSE, (enclosed cab)                                                                                                                                        |     |
| 718  | 1001081375  | 1   | CAB AIR FILTER, (enclosed cab)                                                                                                                                   |     |
| 719  | 1001081376  | 1   | CAB AIR FILTER SEAL RING, (enclosed cab)                                                                                                                         |     |
| 720  | 1001080851  | NLA | HVAC COVER, (heat, heat/ac) (no longer available, use 1001189948 for replacement)                                                                                |     |
| 720  | 1001190022  | NLA | HVAC COVER, (heat, heat/ac) (no longer available, use 1001189948 for replacement)                                                                                |     |
| 720  | 1001189948  | 1   | HVAC COVER, (heat, heat/ac)                                                                                                                                      |     |
| 720  | 1001138001  | NLA | PANEL, (no heat/ac) (no longer available, use 1001137574 for replacement)                                                                                        |     |
| 720  | 1001137574  | 1   | PANEL, (no heat/ac)                                                                                                                                              |     |
| K1   | 1001114868  | 1   | AC FIELD KIT, (if equipped with enclosed cab and heater), (includes items 2, 103 & 201 thru 205 & items 101 thru 132 on HEATER AND AC INSTALLATION - ENGINE POD) |     |

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FIGURE 6-8. HEATER AND AC INSTALLATION - ENGINE POD



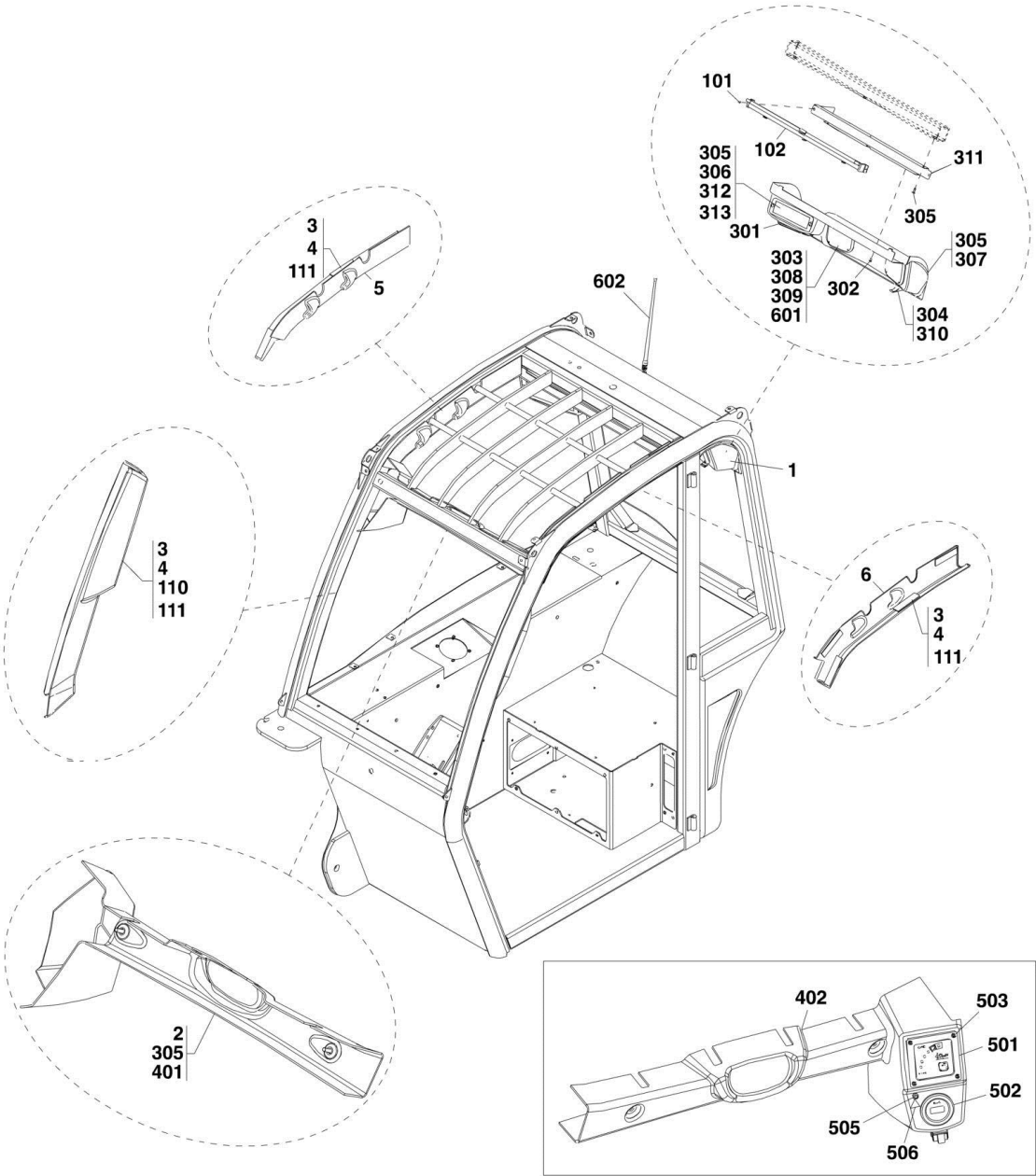
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FIGURE 6-8. HEATER AND AC INSTALLATION - ENGINE POD

| ITEM | PART NUMBER | QTY  | DESCRIPTION                                                                           | REV |
|------|-------------|------|---------------------------------------------------------------------------------------|-----|
|      | 1001080717  | Ref  | HEATER AND AC INSTALLATION, (not available to order, see items 1 thru 13 for service) | H   |
| 1    | 1001080718  | 1    | HOSE ASSY                                                                             |     |
| 2    | 1001080719  | 1    | HOSE ASSY                                                                             |     |
| 3    | 2220251     | 1    | FITTING                                                                               |     |
| 4    | 1001100701  | 1    | ELBOW                                                                                 |     |
| 6    | 0761010     | 1    | HEX HD SCREW, M10X20                                                                  |     |
| 9    | 8307220     | 1    | WASHER, M12                                                                           |     |
| 10   | 8405007     | 4    | GEAR CLAMP                                                                            |     |
| 11   | 1321716     | 1    | CLIP TUBE                                                                             |     |
| 12   | 4240032     | 2    | TIE STRAP                                                                             |     |
| 13   | 8360005     | 1    | SHUT-OFF VALVE                                                                        |     |
|      | 1001080560  | Ref  | AC SYSTEM INSTALLATION, (not available to order, see items 101 thru 132 for service)  | O   |
| 101  | 1001080516  | 1    | AC RADIATOR CONDENSOR                                                                 |     |
| 102  | 1001080789  | 1    | AC PUMP COMPRESSOR                                                                    |     |
| 103  | 1001080590  | 1    | AC SYSTEM DRYER                                                                       |     |
| 103  | 8223531     | 1    | PRESSURE SWITCH                                                                       |     |
| 103  | 70020872    | 1    | O-RING                                                                                |     |
| 104  | 1001080773  | 1    | AC SUPPORT                                                                            |     |
| 105  | 1001080591  | 1    | DRYER MOUNTING PLATE                                                                  |     |
| 106  | 1001080631  | 1    | HOSE ASSY                                                                             |     |
| 107  | 1001080632  | 1    | HOSE ASSY                                                                             |     |
| 108  | 1001080633  | 1    | HOSE ASSY                                                                             |     |
| 109  | 1001080634  | 1    | HOSE ASSY                                                                             |     |
| 110  | 1001080702  | 1    | AC SYSTEM V-BELT                                                                      |     |
| 111  | 8405204     | 2    | GEAR CLAMP                                                                            |     |
| 113  | 1001081067  | 1    | IDLER PULLEY ADJUSTING BLOCK                                                          |     |
| 114  | 0630604     | 1    | AC PULLEY BOLT                                                                        |     |
| 115  | 0641610     | 3    | HEX HD CAPSCREW, 3/8-16X1-1/4                                                         |     |
| 116  | 77143015    | 4    | NUT 3/8-16                                                                            |     |
| 117  | 1001099568  | 1    | HEX HD SCREW, M10X90                                                                  |     |
| 118  | 1001081172  | 2    | THREADED ROD, 3/8-16X5-3/8                                                            |     |
| 119  | 4711700     | 4    | WASHER, 7/16                                                                          |     |
| 120  | 4751600     | 7    | WASHER, 3/8                                                                           |     |
| 121  | 4812000     | 2    | WASHER, 10mm                                                                          |     |
| 122  |             | Ref  | AC SYSTEM HARNESS, (See ELECTRICAL SECTION for Breakdown)                             |     |
| 123  | 0641503     | 4    | HEX HD CAPSCREW, 5/16-18X3/8                                                          |     |
| 124  | 4711500     | 4    | WASHER, 5/16                                                                          |     |
| 125  | 0641408     | 2    | HEX HD CAPSCREW, 1/4-20X1                                                             |     |
| 126  | 4751400     | 2    | WASHER, 1/4                                                                           |     |
| 127  | 1001120539  | 5    | CONDUIT, 1X6                                                                          |     |
| 128  | 4060804     | 6 in | FLEX TRIM SHIELD, 3/16, (not shown)                                                   |     |
| 129  | 0761007     | 1    | HEX HD CAP SCREW, M10X14, GR8.8                                                       |     |
| 130  | 1001111548  | 1    | AC GROUND HARNESS                                                                     |     |
| 131  | 4791700     | 1    | STAR WASHER, 7/16                                                                     |     |
| 132  | 1001133930  | 1    | IDLER PULLEY                                                                          |     |

FIGURE 6-9. OVERHEAD CONSOLE



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FIGURE 6-9. OVERHEAD CONSOLE

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001081189  | Ref | OVERHEAD CONSOLE INSTALLATION, (G5-18A, open cab), (not available to order, see items 1 thru 6, 110 & 111 for service)                                                | E   |
|      | 1001081187  | Ref | OVERHEAD CONSOLE INSTALLATION, (G5-18A, enclosed cab), (not available to order, see items 1 thru 6 & 101 thru 111 for service)                                        | G   |
|      | 1001080958  | Ref | OVERHEAD CONSOLE INSTALLATION, (enclosed cab), (not available to order, see items 1, 3 thru 6, 101 thru 111 & 201 for service) <b>(2505 Prior to SN 0160042694)</b>   | H   |
|      | 1001131064  | Ref | OVERHEAD CONSOLE INSTALLATION, (enclosed cab), (not available to order, see items 1, 3 thru 6, 101 thru 110 & 201 for service) <b>(2505 SN 0160042694 to Present)</b> | C   |
| 1    | 1001080945  | Ref | OVERHEAD CONSOLE INSTALLATION, (not available to order, see items 301 thru 313 for service)                                                                           | G   |
| 2    | 1001080957  | Ref | FRONT FOPS INSTALLATION, (G5-18A), (not available to order, see items 305 & 401 for service)                                                                          | F   |
| 3    | 1001081161  | 11  | HOOK 1 in WIDE TAPE                                                                                                                                                   |     |
| 4    | 1001081163  | 11  | LOOP 1 in WIDE TAPE                                                                                                                                                   |     |
| 5    | 1001081164  | NLA | IN-BOARD ROPS BAR COVER, (no longer available, use 1001153634 for replacement)                                                                                        |     |
| 5    | 1001153634  | 1   | IN-BOARD ROPS BAR COVER                                                                                                                                               |     |
| 6    | 1001081165  | NLA | OUT-BOARD ROPS BAR COVER, (no longer available, use 1001153635 for replacement)                                                                                       |     |
| 6    | 1001153635  | 1   | OUT-BOARD ROPS BAR COVER                                                                                                                                              |     |
| 101  | 0630464     | 2   | BUTTON HD SCREW, #10-24X1/2                                                                                                                                           |     |
| 102  | 1001080952  | 1   | VISOR                                                                                                                                                                 |     |
| 110  | 1001101333  | NLA | A-PILLAR COVER, (no longer available, use 1001153631 for replacement)                                                                                                 |     |
| 110  | 1001153631  | 1   | A-PILLAR COVER                                                                                                                                                        |     |
| 111  | 1001112058  | AR  | ADHESIVE STRIP                                                                                                                                                        |     |
| 201  |             | Ref | CAB ROOF HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)                                                                                                 |     |
| 301  | 2920209     | 1   | DOME LIGHT LAMP                                                                                                                                                       |     |
| 301  | 70020795    | 1   | LIGHT BULB                                                                                                                                                            |     |
| 302  | 1001108078  | 3   | TRUSS HD SCREW, 1/4-20X3/8                                                                                                                                            |     |
| 303  | 1001108152  | 8   | SCREW, M4X20                                                                                                                                                          |     |
| 304  | 1001108155  | 2   | SOCKET HD CAPSCREW, 10-24X5/8                                                                                                                                         |     |
| 305  | 8303034     | 10  | TRUSS HD SCREW, 1/4-20x3/4                                                                                                                                            |     |
| 306  | 88521304    | 2   | HEX LOCKNUT, 1/4-20                                                                                                                                                   |     |
| 307  | 1001080866  | 1   | OVERHEAD CONSOLE COVER                                                                                                                                                |     |
| 308  | 1001080947  | 8   | NUT, M4                                                                                                                                                               |     |
| 309  | 1001080951  | 2   | SPEAKER COVER                                                                                                                                                         |     |
| 310  | 1001080953  | 1   | HOOK                                                                                                                                                                  |     |
| 311  | 1001080954  | 1   | VISOR MOUNT BRACKET                                                                                                                                                   |     |
| 312  | 1001080955  | 1   | RADIO MOUNT PLATE                                                                                                                                                     |     |
| 313  | 1001080960  | 1   | RADIO MOUNT OUTER PLATE                                                                                                                                               |     |
| 401  | 1001101332  | NLA | FRONT ROPS BAR COVER, (G5-18A), (no longer available, use 1001153630 for replacement)                                                                                 |     |
| 401  | 1001153630  | 1   | FRONT ROPS BAR COVER, (G5-18A)                                                                                                                                        |     |
| 402  | 1001081162  | 1   | FRONT ROPS BAR COVER <b>(2505 Prior to SN 0160042694)</b>                                                                                                             |     |
| 402  | 1001135075  | 1   | FRONT ROPS BAR COVER <b>(2505 SN 0160042694 to Present)</b>                                                                                                           |     |
|      | 1001080653  | Ref | LSI DISPLAY INSTALLATION, (not available to order, see items 402 & 501 thru 503 for service) <b>(2505 Prior to SN 0160042694)</b>                                     | I   |
|      | 1001130237  | Ref | LSI DISPLAY INSTALLATION, (not available to order, see items 402, 501 thru 506 for service) <b>(2505 SN 0160042694 to Present)</b>                                    | F   |

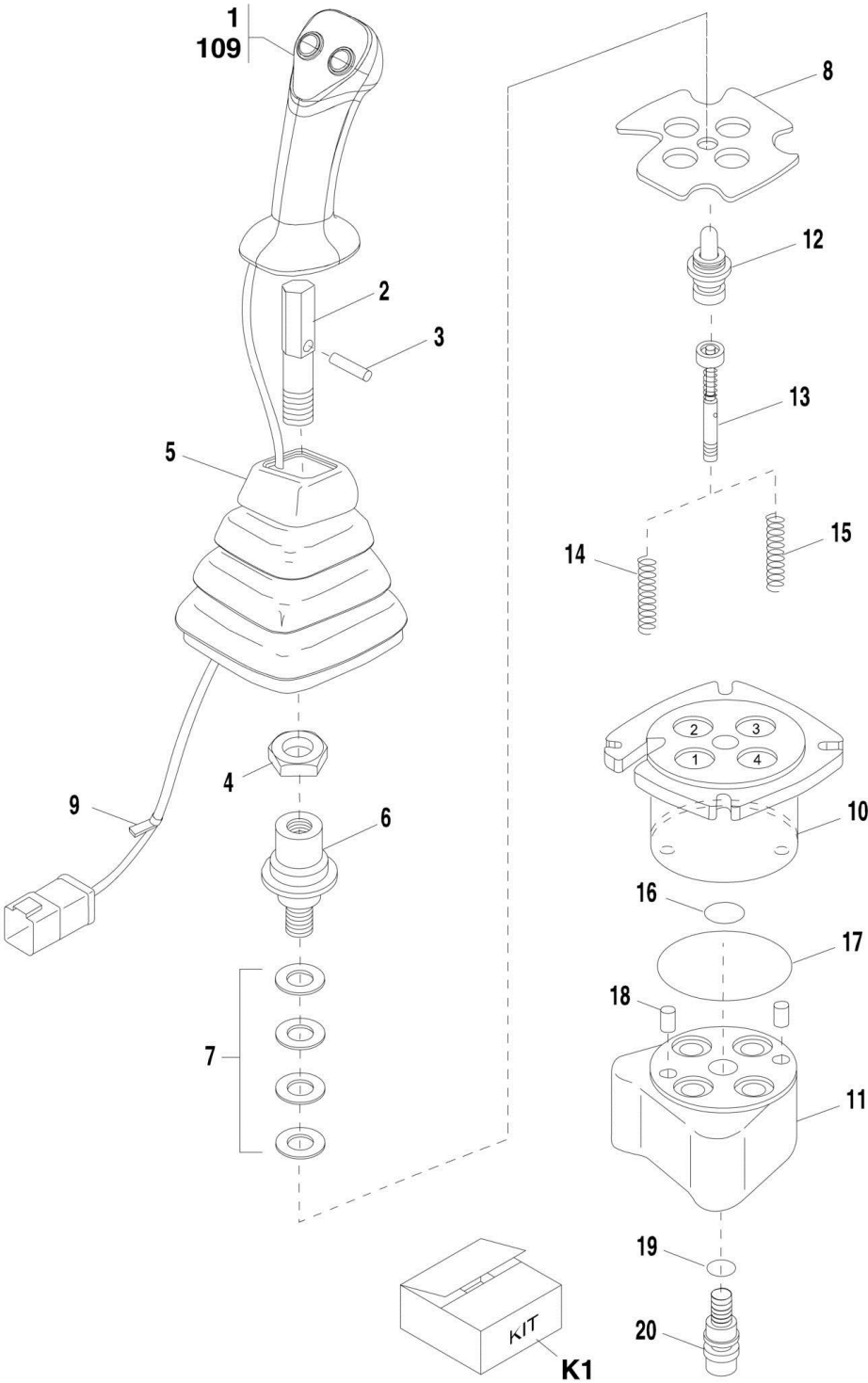
## SECTION 6 - CAB

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                        | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------|-----|
| 501  | 1810046     | 1   | LSI DISPLAY <b>(Prior to SN 0160042694)</b>                                                        | A   |
| 501  | 1001127308  | NLA | LSI DISPLAY, (no longer available, use 1001192979 for replacement)                                 |     |
| 501  | 1001192979  | 1   | LSI DISPLAY                                                                                        |     |
| 502  | 2420211     | 1   | SPEEDOMETER                                                                                        |     |
| 503  | 1001096116  | 4   | SCREW, M4X20 <b>(Prior to SN 0160042694)</b>                                                       |     |
| 503  | 1001110269  | 4   | SOCKET HD CAPSCREW, M4X20 <b>(SN 0160042694 to Present)</b>                                        |     |
| 505  | 1001127397  | 1   | LSI CUTOUT LAMP <b>(SN 0160042694 to Present)</b>                                                  |     |
| 506  | 1001127546  | 1   | LSI WARNING DECAL <b>(SN 0160042694 to Present)</b>                                                |     |
|      | 1001080844  | Ref | RADIO READY INSTALLATION, (if equipped), (not available to order, see items 601 & 602 for service) |     |
| 601  | 1001080956  | 2   | SPEAKER                                                                                            |     |
| 602  | 1001080959  | 1   | ANTENNA                                                                                            |     |

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SECTION 7 - CONTROLS

FIGURE 7-1. BOOM JOYSTICK



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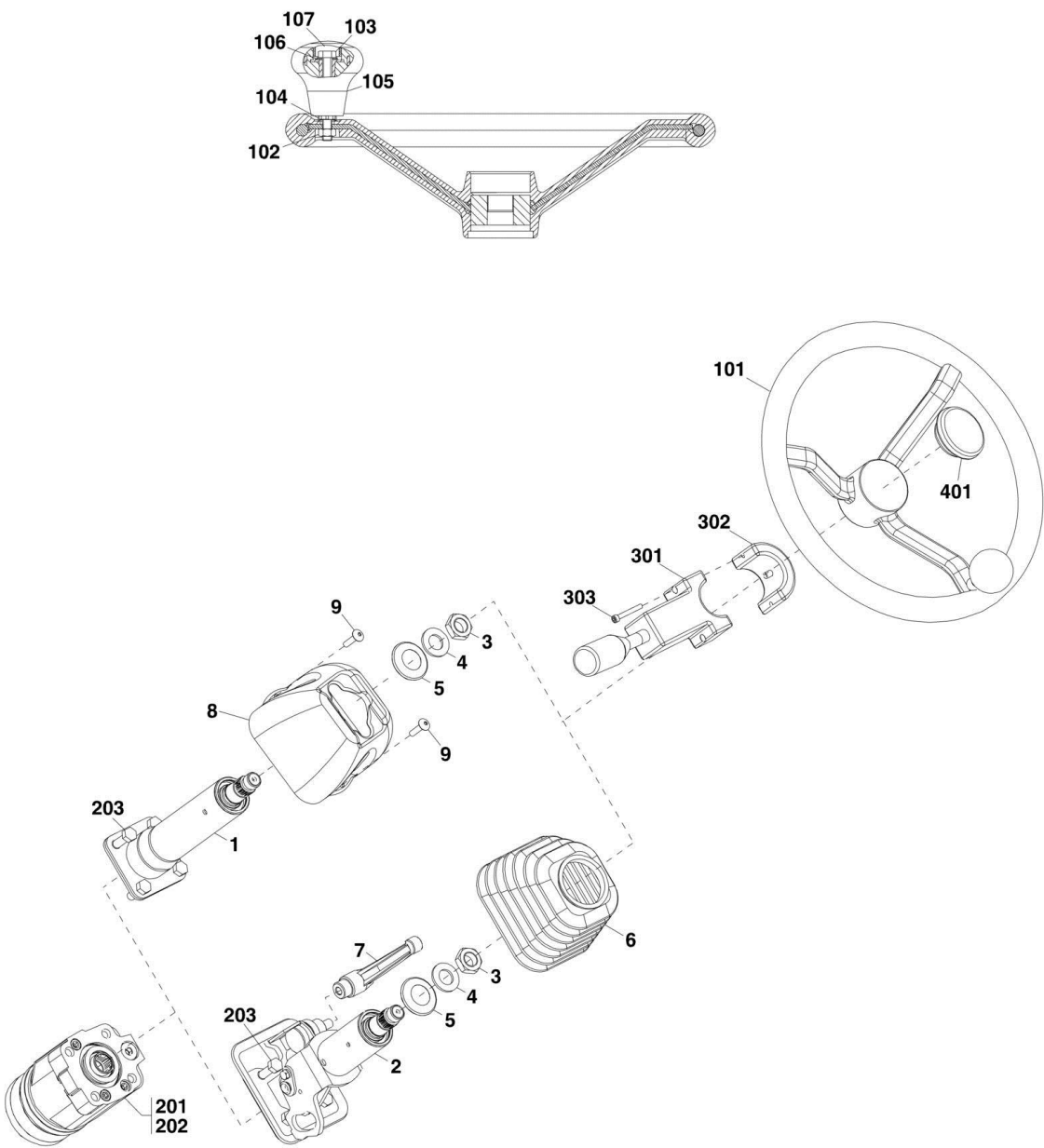
## SECTION 7 - CONTROLS

**FIGURE 7-1. BOOM JOYSTICK**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                   | REV |
|------|-------------|-----|-----------------------------------------------|-----|
|      | 1001080256  | 1   | BOOM JOYSTICK, (includes items 1 thru 20)     | D   |
| 1    | 70020769    | 1   | HANDLE ASSY                                   |     |
| 2    | 70020770    | 1   | STRAIGHT LEVER KIT, (includes items 3 thru 4) |     |
| 3    | N.S.S.      | 1   | STRAIGHT LEVER                                |     |
| 4    | N.S.S.      | 1   | HEX NUT                                       |     |
| 5    | 70020771    | 1   | RUBBER BOOT                                   |     |
| 6    | 80264138    | 1   | CARDAN KIT, (includes item 7)                 |     |
| 7    | N.S.S.      | AR  | SHIM                                          |     |
| 8    | 91404013    | 1   | RETAINING PLATE                               |     |
| 9    | 80264139    | 1   | GROMMET KIT                                   |     |
| 10   | 91404016    | 1   | UPPER BODY                                    |     |
| 11   | N.S.S.      | 1   | LOWER BODY                                    |     |
| 12   | 91304025    | 2   | PLUNGER AND GUIDE KIT                         |     |
| 13   | 91514224    | 4   | REGULATING UNIT                               |     |
| 14   | 91504028    | 1   | RETURN SPRING                                 |     |
| 15   | 91504029    | 1   | RETURN SPRING                                 |     |
| 16   | Kit         | 1   | O-RING                                        |     |
| 17   | Kit         | 1   | O-RING                                        |     |
| 18   | Kit         | 2   | DOWEL PIN                                     |     |
| 19   | Kit         | 1   | O-RING                                        |     |
| 20   | Kit         | 1   | SCREW ASSY                                    |     |
| 109  | 3931412     | 4   | SOCKET HD SCREW, 1/4-20X3/4                   |     |
| K1   | 91404326    | 1   | SEAL KIT, (includes items 16 thru 20)         |     |

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FIGURE 7-2. STEERING COLUMN AND ATTACHING PARTS



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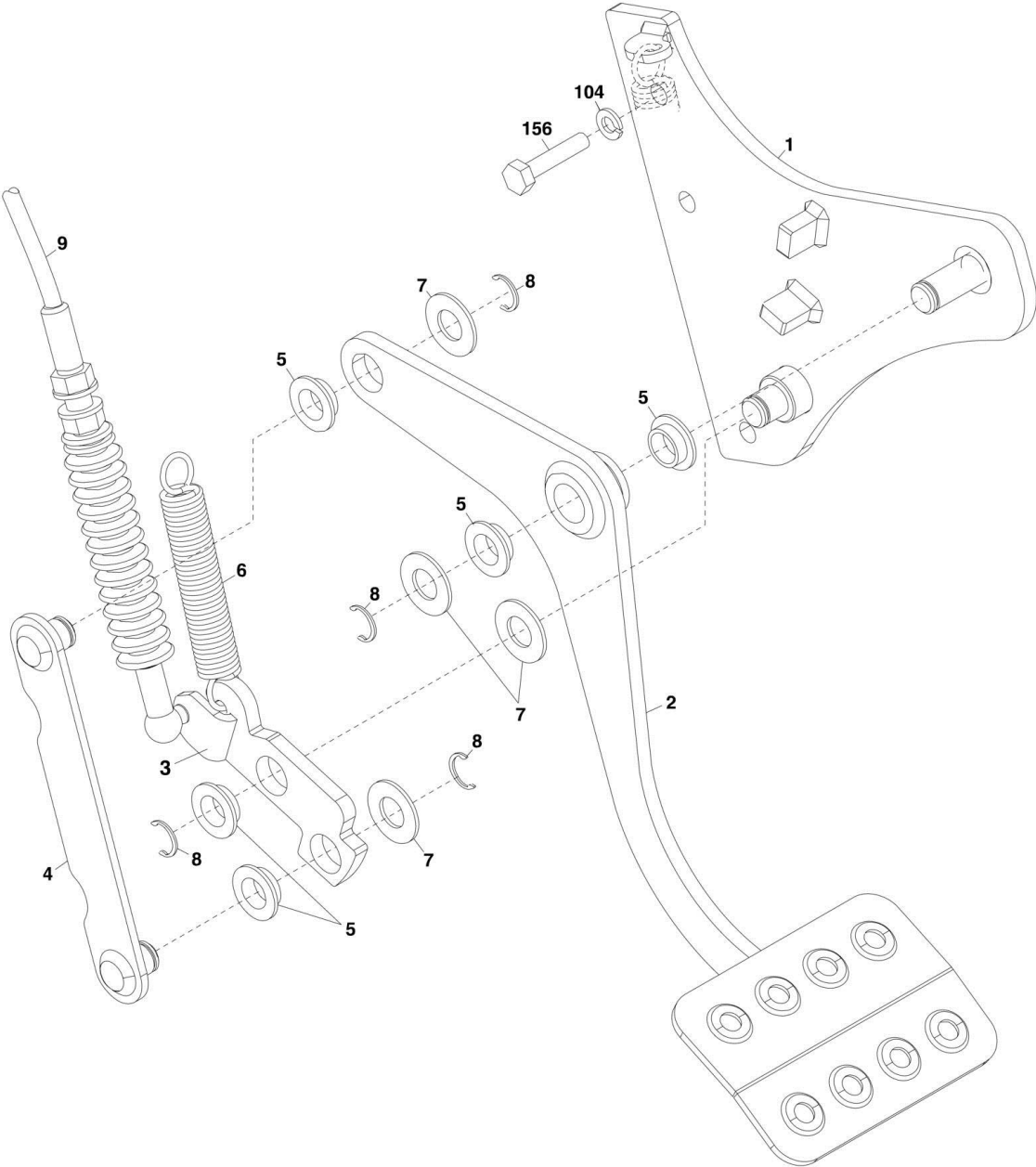
## SECTION 7 - CONTROLS

**FIGURE 7-2. STEERING COLUMN AND ATTACHING PARTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------|-----|
| 1    | 1001081223  | 1   | FIXED STEERING COLUMN, (includes items 3 thru 5)                            | C   |
| 2    | 1001080826  | 1   | TILT STEERING COLUMN, (includes items 3 thru 7)                             | E   |
| 3    | 70020923    | 1   | NUT, M18X1-1/2                                                              |     |
| 4    | 70020924    | 1   | WASHER                                                                      |     |
| 5    | 70020925    | 1   | RUBBER CAP                                                                  |     |
| 6    | 70020926    | 1   | BELLOWS                                                                     |     |
| 7    | 70020927    | 1   | LOCKING HANDLE                                                              |     |
| 8    | 1001080465  | NLA | STEERING COLUMN BOOT, (no longer available, use 1001153629 for replacement) |     |
| 8    | 1001153629  | 1   | STEERING COLUMN BOOT                                                        |     |
| 9    | 1001180796  | 2   | SCREW, 1/4-20X1                                                             |     |
| 101  | 1001080462  | 1   | STEERING WHEEL, (includes items 102 thru 107)                               | D   |
| 102  | 70020913    | 1   | NUT                                                                         |     |
| 103  | 70020914    | 1   | BOLT                                                                        |     |
| 104  | 70020915    | 1   | WASHER                                                                      |     |
| 105  | 70020916    | 1   | KNOB                                                                        |     |
| 106  | 70020917    | 1   | WASHER                                                                      |     |
| 107  | 70020918    | 1   | CAP                                                                         |     |
| 201  | 4641506     | 1   | ORBITAL STEERING VALVE, (includes item 202)                                 | C   |
| 202  | 70020578    | 1   | SEAL KIT                                                                    |     |
| 203  | 0641608     | 4   | HEX HD CAPSCREW, 3/8-16X1                                                   |     |
| 301  | 1001080380  | 1   | FNR SWITCH                                                                  | C   |
| 302  | 1001080900  | 1   | LEVER ASSY CLAMP                                                            |     |
| 303  | 1001108079  | 2   | HEX HD CAPSCREW, M5X40                                                      |     |
| 401  | 1001080463  | 1   | CENTER STEERING WHEEL CAP                                                   |     |

SECTION 7 - CONTROLS

FIGURE 7-3. ACCELERATOR PEDAL ASSEMBLY



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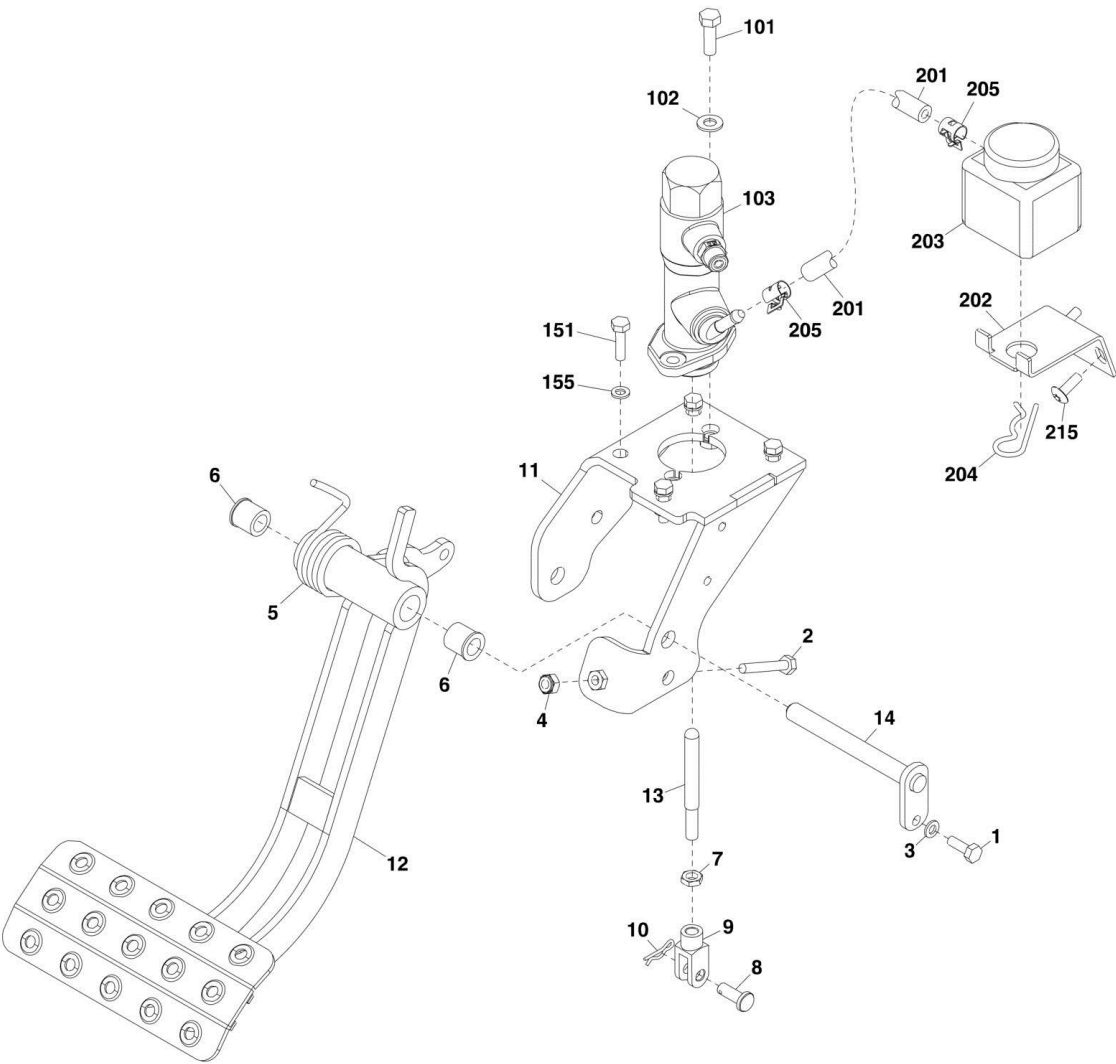
## SECTION 7 - CONTROLS

**FIGURE 7-3. ACCELERATOR PEDAL ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                            | REV |
|------|-------------|-----|------------------------------------------------------------------------|-----|
|      | 1001081003  | 1   | ACCELERATOR PEDAL ASSY, (includes items 1 thru 8)                      | C   |
| 1    | 1001081004  | 1   | ACCELERATOR PEDAL PLATE                                                |     |
| 2    | 1001081005  | 1   | ACCELERATOR PEDAL                                                      |     |
| 3    | 1001081006  | 1   | ACCELERATOR PIVOT LEVER                                                |     |
| 4    | 1001081007  | 1   | ACCELERATOR LINK LEVER                                                 |     |
| 5    | 1001081016  | 5   | SLEEVE                                                                 |     |
| 6    | 1001081021  | 1   | 4 IN SPRING EXTENSION                                                  |     |
| 7    | 1001081022  | 4   | WASHER                                                                 |     |
| 8    | 1001081024  | 4   | 1/2 IN SHAFT CLIP                                                      |     |
| 9    |             | Ref | THROTTLE CONTROL CABLE, (See ENGINE AND ATTACHING PARTS for Breakdown) |     |
| 104  | 1001108137  | 3   | HEX HD CAPSCREW, 1/4-20X1-1/4                                          |     |
| 156  | 1001108198  | 3   | LOCKWASHER, 1/4                                                        |     |

SECTION 7 - CONTROLS

FIGURE 7-4. BRAKE ASSEMBLY



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## SECTION 7 - CONTROLS

**FIGURE 7-4. BRAKE ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                             | REV |
|------|-------------|-----|-------------------------------------------------------------------------|-----|
|      | 1001102456  | 1   | BRAKE ASSY (includes items 1 thru 14)                                   | D   |
| 1    | 0641406     | 1   | HEX HD CAP SCREW, 1/4-20X3/4, GR5                                       |     |
| 2    | 0681414     | 1   | HEX HD CAP SCREW, 1/4-20X1 3/4, GR8                                     |     |
| 3    | 4761400     | 1   | WASHER, 1/4                                                             |     |
| 4    | 88521304    | 1   | HEX LOCKNUT, 1/4-20                                                     |     |
| 5    | 1001102427  | 1   | BRAKE SPRING                                                            |     |
| 6    | 1001102428  | 2   | BEARING                                                                 |     |
| 7    | 1001102433  | 1   | HEX NUT, M8X1.25                                                        |     |
| 8    | 1001102434  | 1   | CLEVIS PIN                                                              |     |
| 9    | 1001102435  | 1   | UNIVERSAL CLEVIS YOKE                                                   |     |
| 10   | 3470003     | 1   | COTTER PIN, 2X20                                                        |     |
| 11   | 1001102438  | 1   | BRAKE SUPPORT MOUNT                                                     |     |
| 12   | 1001102439  | 1   | BRAKE WELDMENT LEVER                                                    |     |
| 13   | 1001102440  | 1   | BRAKE PUSH ROD                                                          |     |
| 14   | 1001102441  | 1   | BRAKE SHAFT PIN                                                         |     |
| 101  | 0641508     | 2   | HEX HD CAPSCREW, 5/16-18X1, GR5                                         |     |
| 102  | 4711500     | 2   | WASHER, 5/16                                                            |     |
| 103  |             | Ref | BRAKE MASTER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 151  | 0641408     | 4   | HEX HD CAPSCREW, 1/4-20X1, GR5                                          |     |
| 155  | 4761400     | 4   | LOCKWASHER, 1/4                                                         |     |
| 201  | 1001081153  | 1   | HYDRAULIC LINE HOSE                                                     |     |
| 202  | 1001081151  | 1   | BRAKE RESERVIOR ANGLE                                                   |     |
| 203  | 1001081152  | 1   | BRAKE RESERVIOR                                                         |     |
| 204  | 80325       | 1   | COTTER HAIRPIN                                                          |     |
| 205  | 8410002     | NLA | SPRING CLAMP, (no longer available, use 1001156087 for replacement)     |     |
| 205  | 1001156087  | 2   | HOSE CLAMP                                                              |     |
| 215  | 8303034     | 2   | TRUSS SOCKET HD CAPSCREW, 1/4-20X3/4                                    |     |



**SECTION 8 - HYDRAULIC CIRCUITS**

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## SECTION 8 - HYDRAULIC CIRCUITS

### FIGURE 8-1. SUPPLY CIRCUIT

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                   | REV |
|------|-------------|-----|-------------------------------------------------------------------------------|-----|
| 1    | 8760550     | 1   | FITTING                                                                       | B   |
| 2    | 2170110     | 1   | ADAPTER                                                                       |     |
| 3    | 1001081333  | 1   | ADAPTER                                                                       |     |
| 4    | 2150406     | 1   | ADAPTER, 45                                                                   |     |
| 6    | 2130606     | 1   | ADAPTER, 90                                                                   |     |
| 8    | 2170706     | 1   | ADAPTER, (torque to 31 Nm), (2505)                                            |     |
| 9    | 2172406     | 1   | ADAPTER, (torque to 31 Nm), (2505)                                            |     |
| 10   | 1001100635  | 1   | STEERING PRESSURE SENSOR, (2505)                                              |     |
| 11   | 2110404     | 2   | ADAPTER, (includes o-ring) <b>(2505 Prior to SN 0160042694)</b>               |     |
| 12   | 77363082    | NLA | ADAPTER, (no longer available, use 2220591 for replacement)                   |     |
| 12   | 2220591     | 1   | ADAPTER                                                                       |     |
| 13   | 2131010     | 1   | ELBOW, 90                                                                     |     |
| 14   | 2110608     | 1   | ADAPTER, (includes o-ring)                                                    |     |
| 16   | 2151010     | 1   | ELBOW, 45                                                                     |     |
| 17   | 1001080143  | 1   | PRIORITY VALVE                                                                |     |
| 17   | 70020575    | 1   | SEAL KIT                                                                      |     |
| 18   | 1001098069  | 1   | FITTING                                                                       |     |
| 19   | 80333184    | 2   | CHECK FITTING                                                                 |     |
| 20   | 86561311    | 1   | FITTING                                                                       |     |
| 21   | 2171716     | 2   | FLANGE KIT, (includes mounting hardware and o-ring)                           |     |
| 22   | 2171712     | 2   | FLANGE KIT, (includes mounting hardware and o-ring)                           |     |
| 23   | 2145016     | 1   | ADAPTER                                                                       |     |
| 24   | 2170804     | 1   | ADAPTER, (includes o-ring)                                                    |     |
| 27   | 1001106589  | 2   | ELBOW, 90                                                                     |     |
| 28   | 2145005     | 2   | FITTING                                                                       |     |
| 31   | 2130404     | 4   | ELBOW, 90                                                                     |     |
| 49   | 2170704     | 1   | TEE ADAPTER, (includes o-ring)                                                |     |
| 50   | 1001103069  | 1   | TEST FITTING                                                                  |     |
| 114  | 4032011     | 2   | SOCKET HD CAPSCREW, M10X35                                                    |     |
| 123  | 8430033     | 1   | ADAPTER                                                                       |     |
| 126  | 1001080097  | 1   | IMPLEMENT PUMP                                                                | A   |
| 126  | 70020576    | 1   | SHAFT LIP SEAL                                                                |     |
| 126  | 70020577    | 1   | SEAL KIT, (includes shaft lip seal)                                           |     |
| 129  | 1001080411  | 1   | ADAPTER                                                                       |     |
| 210  | 2111012     | 1   | ADAPTER, (includes o-ring)                                                    |     |
| 211  | 2111616     | 1   | ADAPTER, (includes o-ring)                                                    |     |
| 223  | 1001080337  | 1   | HOSE ASSY                                                                     |     |
| 227  | 1001081323  | 1   | HOSE ASSY                                                                     |     |
| 252  | 4711400     | 1   | WASHER, 1/4                                                                   |     |
| 253  | 8303114     | 1   | SOCKET HD CAPSCREW, 1/4-20X2-1/4                                              |     |
| 311  | 1001080356  | 1   | HOSE ASSY                                                                     |     |
| 312  | 1001080357  | 1   | HOSE ASSY                                                                     |     |
| 319  | 1001080609  | 1   | HOSE ASSY                                                                     |     |
| 320  | 1001080935  | 1   | HOSE ASSY <b>(2505 Prior to SN 0160042694)</b>                                |     |
| 401  | 2755031     | 1   | HOSE ASSY                                                                     |     |
| 402  | 2755032     | 1   | HOSE ASSY                                                                     |     |
| 403  | 2755036     | 1   | HOSE ASSY                                                                     |     |
| 404  | 2755037     | 1   | HOSE ASSY                                                                     |     |
| 414  | 1001080343  | 1   | HOSE ASSY <b>(2505 Prior to SN 0160042694; G5-18A Prior to SN 0160042093)</b> |     |

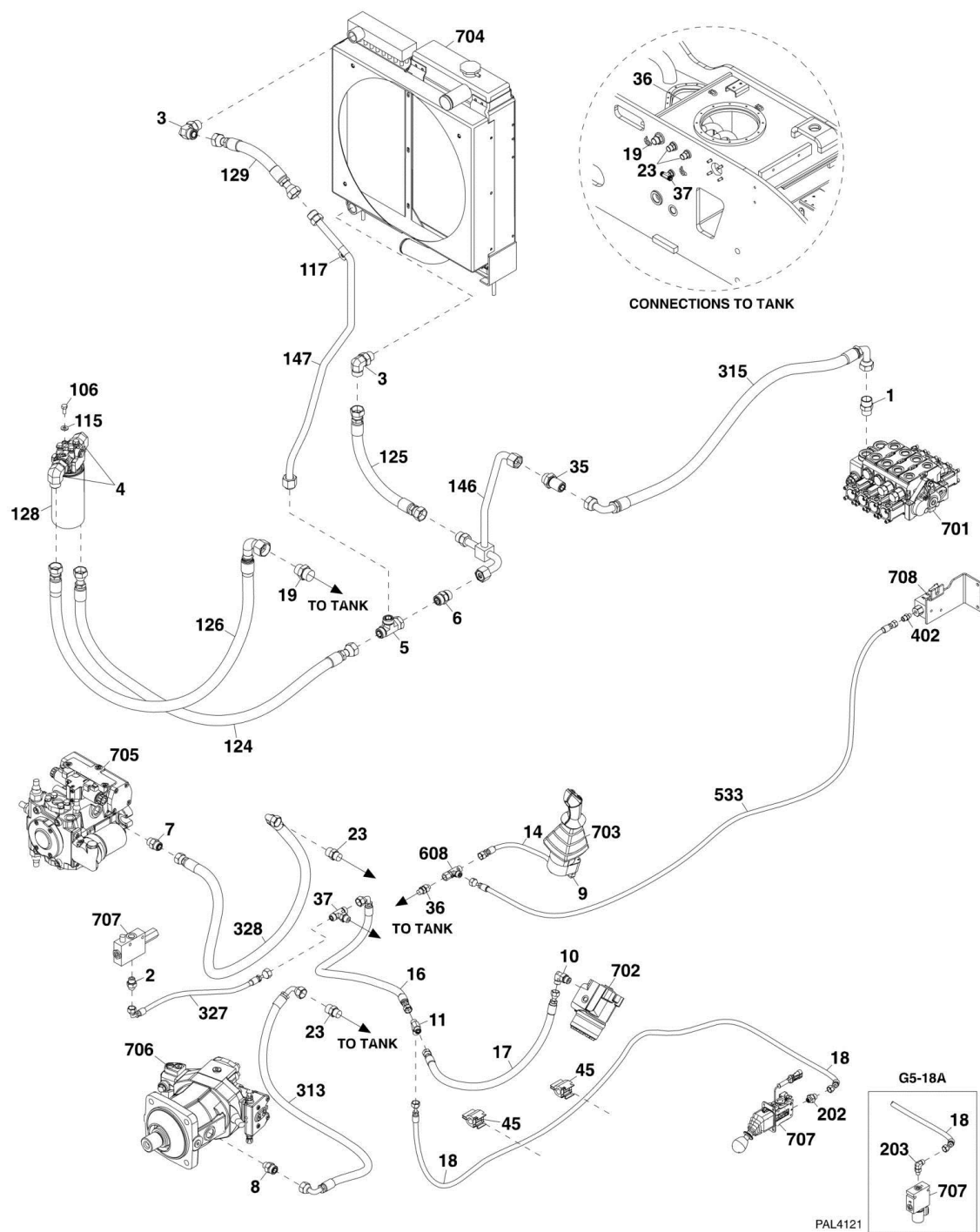
## SECTION 8 - HYDRAULIC CIRCUITS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------|-----|
| 414  | 1001132331  | 1   | HOSE ASSY (2505 SN 0160042694 to Present; G5-18A SN 0160042093 to Present) |     |
| 416  | 1001080408  | 1   | HOSE ASSY                                                                  |     |
| 421  | 1001080448  | 1   | HOSE ASSY                                                                  |     |
| 426  | 1001080511  | 1   | HOSE ASSY                                                                  |     |
| 606  | 2131616     | 1   | ADAPTER, (includes o-ring)                                                 |     |
| 609  | 2112020     | 1   | ADAPTER, (includes o-ring)                                                 |     |
| 645  | 91083216    | 2   | CUSHION CLAMP                                                              |     |
| 646  | 8406302     | 1   | HOSE CLAMP                                                                 |     |
| 647  | 88521208    | 1   | LOCKNUT, 1/2-13                                                            |     |
| 701  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)       |     |
| 702  |             | Ref | ORBITAL STEERING VALVE, (See CONTROLS for Breakdown)                       |     |
| 703  |             | Ref | BRAKE VALVE OPTIONS, (See HYDRAULIC COMPONENTS SECTION for Breakdown)      |     |
| 704  |             | Ref | BOOM JOYSTICK, (See CONTROLS for Breakdown)                                |     |
| 705  |             | Ref | HYDROSTATIC TRANSMISSION, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 706  |             | Ref | FRONT DRIVE MOTOR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)        |     |
| 707  |             | Ref | BLOCKING VALVE, (2505), (See HYDRAULIC COMPONENTS SECTION for Breakdown)   |     |



SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. DUMP CIRCUIT (G5-18A Prior to SN 0160042093; 2505 Prior to SN 0160042694)



## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-2. DUMP CIRCUIT (G5-18A Prior to SN 0160042093; 2505 Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
| 1    | 2111212     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 2    | 1001081333  | 1   | ADAPTER                                                                      |     |
| 3    | 2131212     | 2   | ELBOW, 90                                                                    |     |
| 4    | 2131216     | 2   | ELBOW, 90                                                                    |     |
| 5    | 2170712     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 6    | 1001080351  | 1   | CHECK VALVE                                                                  |     |
| 7    | 2145011     | 1   | ADAPTER                                                                      |     |
| 8    | 2144614     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 9    | 2150406     | 1   | ADAPTER, 90                                                                  |     |
| 10   | 2130608     | 1   | ADAPTER, 90                                                                  |     |
| 11   | 2170506     | 1   | TEE ADAPTER, (includes o-ring)                                               |     |
| 14   | 1001080582  | 1   | HOSE ASSY                                                                    |     |
| 16   | 1001080585  | 1   | HOSE ASSY                                                                    |     |
| 17   | 1001080586  | 1   | HOSE ASSY                                                                    |     |
| 18   | 1001080587  | 1   | HOSE ASSY                                                                    |     |
| 19   | 2111216     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 23   | 2111010     | 2   | ADAPTER, (includes o-ring)                                                   |     |
| 35   | 2171112     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 36   | 2110606     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 37   | 2170408     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 45   | 91083216    | 2   | CUSHION CLAMP                                                                |     |
| 106  | 0641606     | 4   | HEX HD CAPSCREW, 3/8-16X3/4, GR5                                             |     |
| 115  | 4711600     | 4   | WASHER, 3/8                                                                  |     |
| 117  | 8406105     | 1   | CLIP                                                                         |     |
| 124  | 1001080345  | 1   | HOSE ASSY                                                                    |     |
| 125  | 1001080346  | 1   | HOSE ASSY                                                                    |     |
| 126  | 1001080427  | 1   | HOSE ASSY                                                                    |     |
| 128  |             | Ref | HYDRAULIC OIL FILTER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown) |     |
| 129  | 1001080775  | 1   | HOSE ASSY                                                                    |     |
| 146  | 1001096911  | 1   | PIPE ASSY                                                                    |     |
| 147  | 1001097069  | 1   | PIPE ASSY                                                                    |     |
| 202  | 80233257    | 1   | ADAPTER                                                                      |     |
| 203  | 2130404     | 1   | ELBOW, 90                                                                    |     |
| 313  | 1001080327  | 1   | HOSE ASSY                                                                    |     |
| 315  | 1001080344  | 1   | HOSE ASSY                                                                    |     |
| 327  | 1001080513  | 1   | HOSE ASSY                                                                    |     |
| 328  | 1001080515  | 1   | HOSE ASSY                                                                    |     |
| 402  | 2110404     | 1   | ADAPTER, (includes o-ring)                                                   |     |
| 533  | 1001080587  | 1   | HOSE ASSY                                                                    |     |
| 608  | 2170706     | 1   | TEE FITTING, (includes o-ring)                                               |     |
| 701  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS for Breakdown)                 |     |
| 702  |             | Ref | ORBITAL STEERING VALVE, (See CONTROLS SECTION for Breakdown)                 |     |
| 703  |             | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)                          |     |
| 704  |             | Ref | RADIATOR ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)        |     |
| 705  |             | Ref | HYDRAULIC MOTOR, (See HYDRAULIC COMPONENTS for Breakdown)                    |     |
| 706  |             | Ref | HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS for                                |     |

SECTION 8 - HYDRAULIC CIRCUITS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                    | REV |
|------|-------------|-----|--------------------------------------------------------------------------------|-----|
| 707  |             | Ref | Breakdown)<br>BRAKE VALVE OPTIONS, (See HYDRAULIC COMPONENTS for<br>Breakdown) |     |
| 708  |             | Ref | LSI VALVE, (2505), (See HYDRAULIC COMPONENTS for<br>Breakdown)                 |     |



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## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-3. DUMP CIRCUIT (G5-18A SN 0160042093 to Present; 2505 SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                   | REV |
|------|-------------|-----|---------------------------------------------------------------|-----|
| 1    | 2111212     | 1   | ADAPTER, (includes o-ring)                                    |     |
| 2    | 1001081333  | 1   | ADAPTER                                                       |     |
| 3    | 2131212     | 2   | ELBOW, 90                                                     |     |
| 4    | 2131216     | 2   | ELBOW, 90                                                     |     |
| 5    | 2170712     | 1   | ADAPTER, (includes o-ring)                                    |     |
| 6    | 1001080351  | 1   | CHECK VALVE                                                   |     |
| 7    | 2145011     | 1   | ADAPTER                                                       |     |
| 8    | 2144614     | 1   | ADAPTER, (includes o-ring)                                    |     |
| 9    | 2150406     | 1   | ADAPTER, 90                                                   |     |
| 10   | 2130608     | 1   | ADAPTER, 90                                                   |     |
| 11   | 2170506     | 1   | TEE ADAPTER, (includes o-ring)                                |     |
| 14   | 1001080582  | 1   | HOSE ASSY                                                     |     |
| 16   | 1001080585  | 1   | HOSE ASSY                                                     |     |
| 17   | 1001080586  | 1   | HOSE ASSY                                                     |     |
| 18   | 1001080587  | 1   | HOSE ASSY                                                     |     |
| 19   | 2111216     | 1   | ADAPTER, (includes o-ring)                                    |     |
| 23   | 2111010     | 2   | ADAPTER, (includes o-ring)                                    |     |
| 35   | 2171212     | 1   | ADAPTER, 90, (includes o-ring)                                |     |
| 37   | 2170408     | 1   | ADAPTER, (includes o-ring)                                    |     |
| 45   | 91083216    | 2   | CUSHION CLAMP                                                 |     |
| 106  | 0641606     | 4   | HEX HD CAPSCREW, 3/8-16X3/4, GR5                              |     |
| 115  | 4711600     | 4   | WASHER, 3/8                                                   |     |
| 117  | 8406105     | 1   | CLIP                                                          |     |
| 124  | 1001080345  | 1   | HOSE ASSY                                                     |     |
| 125  | 1001080346  | 1   | HOSE ASSY                                                     |     |
| 126  | 1001080427  | 1   | HOSE ASSY                                                     |     |
| 128  |             | Ref | HYDRAULIC OIL FILTER, (See PERKINS ENGINE for Breakdown)      |     |
| 129  | 1001080775  | 1   | HOSE ASSY                                                     |     |
| 146  | 1001096911  | 1   | PIPE ASSY                                                     |     |
| 147  | 1001097069  | 1   | PIPE ASSY                                                     |     |
| 202  | 80233257    | 1   | ADAPTER                                                       |     |
| 203  | 2130404     | 1   | ELBOW, 90                                                     |     |
| 252  | 2110606     | 1   | STRAIGHT FITTING, (includes o-ring)                           |     |
| 313  | 1001080327  | 1   | HOSE ASSY                                                     |     |
| 315  | 1001132329  | 1   | HOSE ASSY                                                     |     |
| 327  | 1001080513  | 1   | HOSE ASSY                                                     |     |
| 328  | 1001080515  | 1   | HOSE ASSY                                                     |     |
| 533  | 1001129900  | 1   | HOSE ASSY                                                     |     |
| 608  | 2170306     | 1   | TEE FITTING, (includes o-ring)                                |     |
| 651  | 0100011     | AR  | LOCTITE 242                                                   |     |
| 652  | 0641634     | 2   | HEX HD CAPSCREW, 3/8-16X4-1/4, GR5                            |     |
| 653  | 4711600     | 2   | WASHER, 3/8                                                   |     |
| 701  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS for Breakdown)  |     |
| 702  |             | Ref | ORBITAL STEERING VALVE, (See CONTROLS SECTION for Breakdown)  |     |
| 703  |             | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)           |     |
| 704  |             | Ref | RADIATOR ASSY, (See ENGINE AND ATTACHING PARTS for Breakdown) |     |
| 705  |             | Ref | HYDRAULIC MOTOR, (See HYDRAULIC COMPONENTS for                |     |

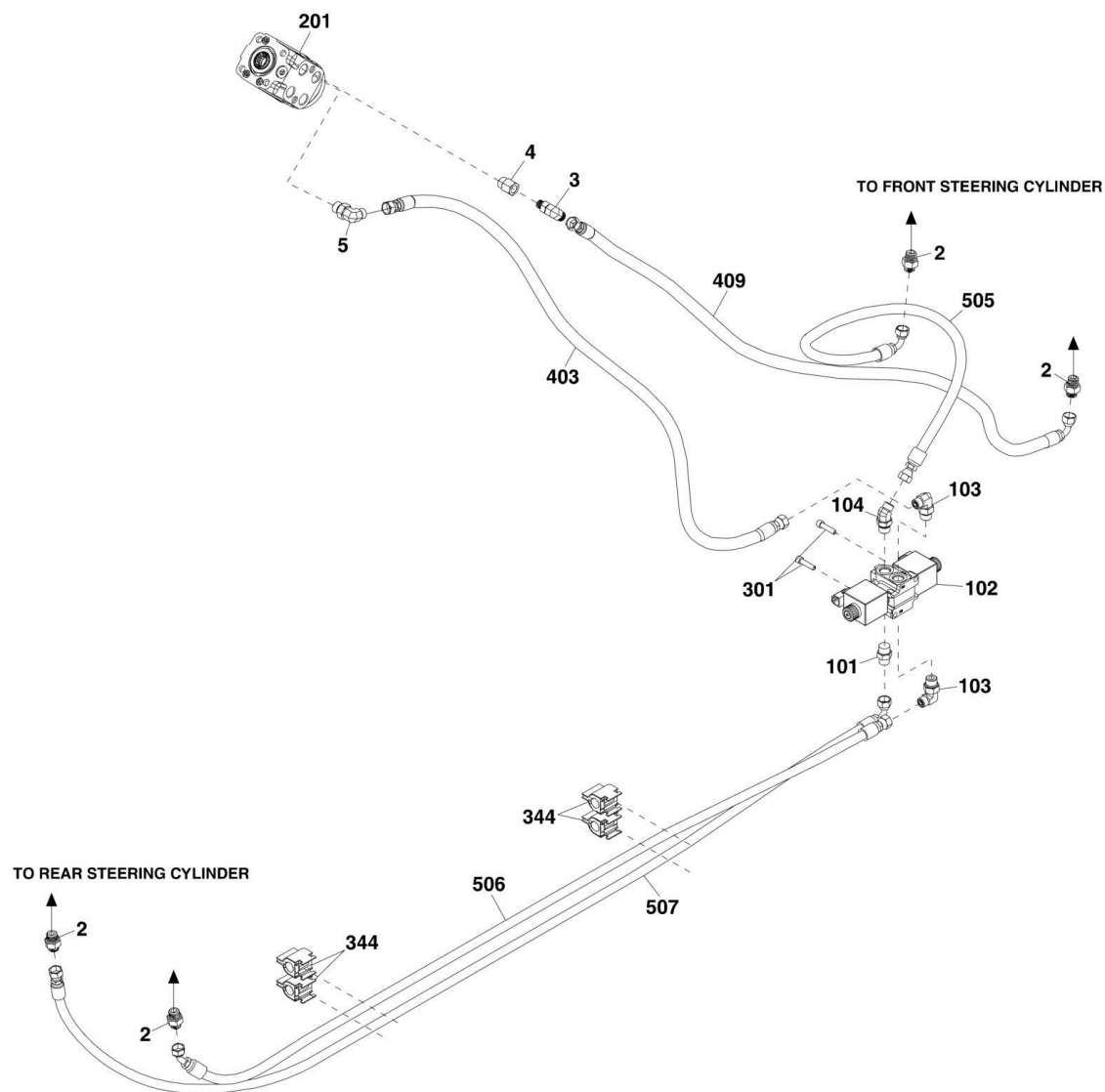
SECTION 8 - HYDRAULIC CIRCUITS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                            | REV |
|------|-------------|-----|------------------------------------------------------------------------|-----|
| 706  |             | Ref | Breakdown)<br>HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS for Breakdown) |     |
| 707  |             | Ref | BRAKE VALVE OPTIONS, (See HYDRAULIC COMPONENTS for Breakdown)          |     |
| 709  |             | Ref | PILOT SELECT VALVE, (See HYDRAULIC COMPONENTS for Breakdown)           |     |



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FIGURE 8-4. STEER SELECT



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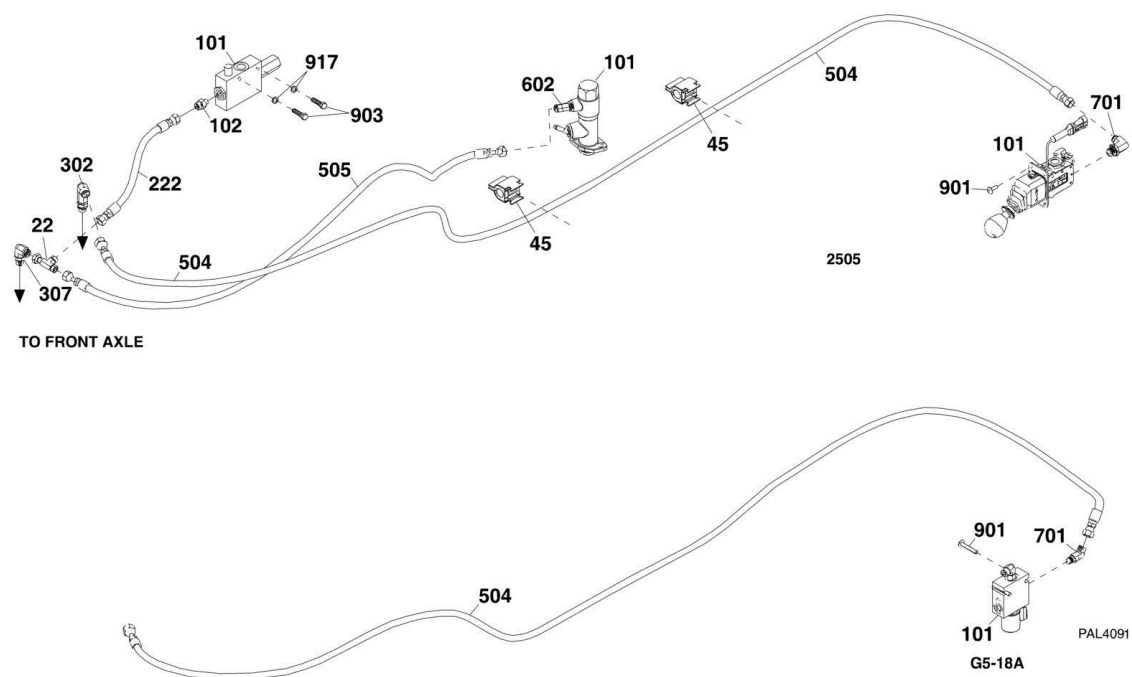
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-4. STEER SELECT**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                             | REV |
|------|-------------|-----|-------------------------------------------------------------------------|-----|
| 2    | 1001081333  | 4   | FITTING                                                                 | F   |
| 3    | 2130606     | 1   | ELBOW, 90                                                               |     |
| 4    | 77363082    | NLA | ADAPTER, (no longer available, use 2220591 for replacement)             |     |
| 4    | 2220591     | 1   | ADAPTER                                                                 |     |
| 5    | 2130608     | 1   | ELBOW, 90                                                               |     |
|      | 1001080243  | 1   | STEERING SELECT VALVE ASSY, (includes items 101 thru 104)               |     |
| 101  | 2110608     | 1   | ADAPTER                                                                 |     |
| 102  |             | Ref | STEERING SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 103  | 2130608     | 2   | ELBOW, 90                                                               |     |
| 104  | 2150608     | 1   | ELBOW, 45                                                               |     |
| 201  |             | Ref | ORBITAL STEERING VALVE, (See CONTROLS for Breakdown)                    |     |
| 301  | 88212229    | 2   | SOCKET HD CAPSCREW, 5/16-18X1-1/2                                       |     |
| 344  | 90207463    | 4   | CUSHION CLAMP                                                           |     |
| 403  | 1001080250  | 1   | HOSE ASSY                                                               |     |
| 409  | 1001080317  | 1   | HOSE ASSY <b>(Prior to SN 0160042433)</b>                               |     |
| 409  | 1001114213  | 1   | HOSE ASSY <b>(SN 0160042433 to Present)</b>                             |     |
| 505  | 1001080247  | 1   | HOSE ASSY                                                               |     |
| 506  | 1001080248  | 1   | HOSE ASSY                                                               |     |
| 507  | 1001080249  | 1   | HOSE ASSY                                                               |     |

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FIGURE 8-5. SERVICE/PARK BRAKE



## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-5. SERVICE/PARK BRAKE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------|-----|
| 22   | 2170704     | 1   | SWIVEL TEE                                                                 |     |
| 45   | 91083216    | 2   | CUSHION CLAMP                                                              |     |
| 101  |             | Ref | BRAKE VALVE OPTIONS, (See HYDRAULIC COMPONENTS SECTION for Breakdown)      |     |
| 102  | 1001081334  | 1   | ADAPTER, (includes o-ring)                                                 |     |
| 222  | 1001080449  | 1   | HOSE ASSY                                                                  |     |
| 302  | 8770241     | 1   | ELBOW, 90                                                                  |     |
| 307  | 2221285     | 1   | ELBOW, 45                                                                  |     |
| 504  | 1001080251  | 1   | HOSE ASSY                                                                  |     |
| 505  | 1001080252  | NLA | HOSE ASSY, (no longer available, use 1001106622 & 2145004 for replacement) |     |
| 505  | 1001106622  | 1   | HOSE ASSY                                                                  |     |
| 602  | 8770269     | NLA | ELBOW, 45, (no longer available, use 2145004 & 1001106622 for replacement) |     |
| 602  | 2145004     | 1   | STRAIGHT FITTING, (includes o-ring)                                        |     |
| 701  | 80233256    | 1   | ELBOW, 90, (2505)                                                          |     |
| 701  | 2150404     | 1   | ELBOW, 45, (G5-18A)                                                        |     |
| 901  | 8303034     | 4   | SCREW, 1/4-20X.75, (2505)                                                  |     |
| 901  | 101977201   | 2   | SCREW, 1/4-20X1.50, (G5-18A)                                               |     |
| 903  | 0641514     | 2   | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5                                        |     |
| 917  | 4711500     | 2   | WASHER, 5/16                                                               |     |

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**G5-18A,2505**



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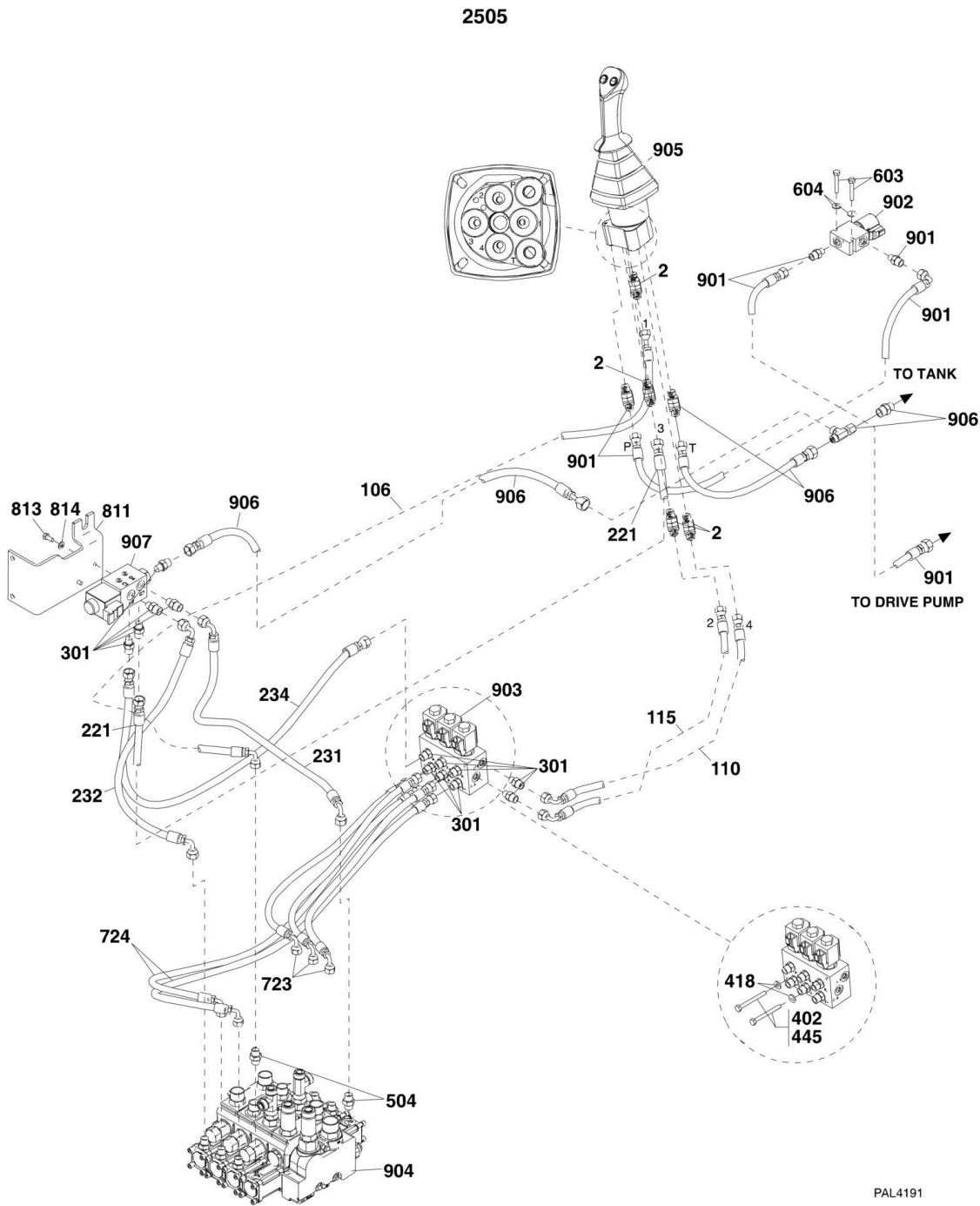
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-6. BOOM JOYSTICK - G15-18A (Prior to SN 0160042093)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------|-----|
| 2    | 2150406     | 4   | ADAPTER, 45                                                  |     |
| 106  | 1001080265  | 1   | HOSE ASSY                                                    |     |
| 107  | 1001080266  | 1   | HOSE ASSY                                                    |     |
| 110  | 1001080319  | 1   | HOSE ASSY                                                    |     |
| 115  | 1001080583  | 1   | HOSE ASSY                                                    |     |
| 301  | 2110404     | 8   | ADAPTER, (includes o-ring)                                   |     |
| 402  | 0641422     | 2   | HEX HD CAPSCREW, 1/4-20X2-3/4, GR5                           |     |
| 418  | 4891400     | 2   | WASHER, 1/4                                                  |     |
| 436  | 2110606     | 1   | ADAPTER, (includes o-ring)                                   |     |
| 445  | 0100011     | AR  | LOCTITE 242                                                  |     |
| 504  | 2110406     | 8   | ADAPTER, (includes o-ring)                                   |     |
| 723  | 1001080456  | 3   | HOSE ASSY                                                    |     |
| 724  | 1001080457  | 3   | HOSE ASSY                                                    |     |
| 801  |             | Ref | HOSE AND ADAPTER ASSY, (See SUPPLY CIRCUIT for Breakdown)    |     |
| 803  |             | Ref | PILOT SELECT VALVE, (See HYDRAULIC COMPONENTS for Breakdown) |     |
| 804  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS for Breakdown) |     |
| 805  |             | Ref | BOOM JOYSTICK, (See CONTROLS for Breakdown)                  |     |
| 806  |             | Ref | HOSE AND ADAPTER ASSY, (See DUMP CIRCUIT for Breakdown)      |     |

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FIGURE 8-7. BOOM JOYSTICK - 2505 (Prior to SN 0160042694)



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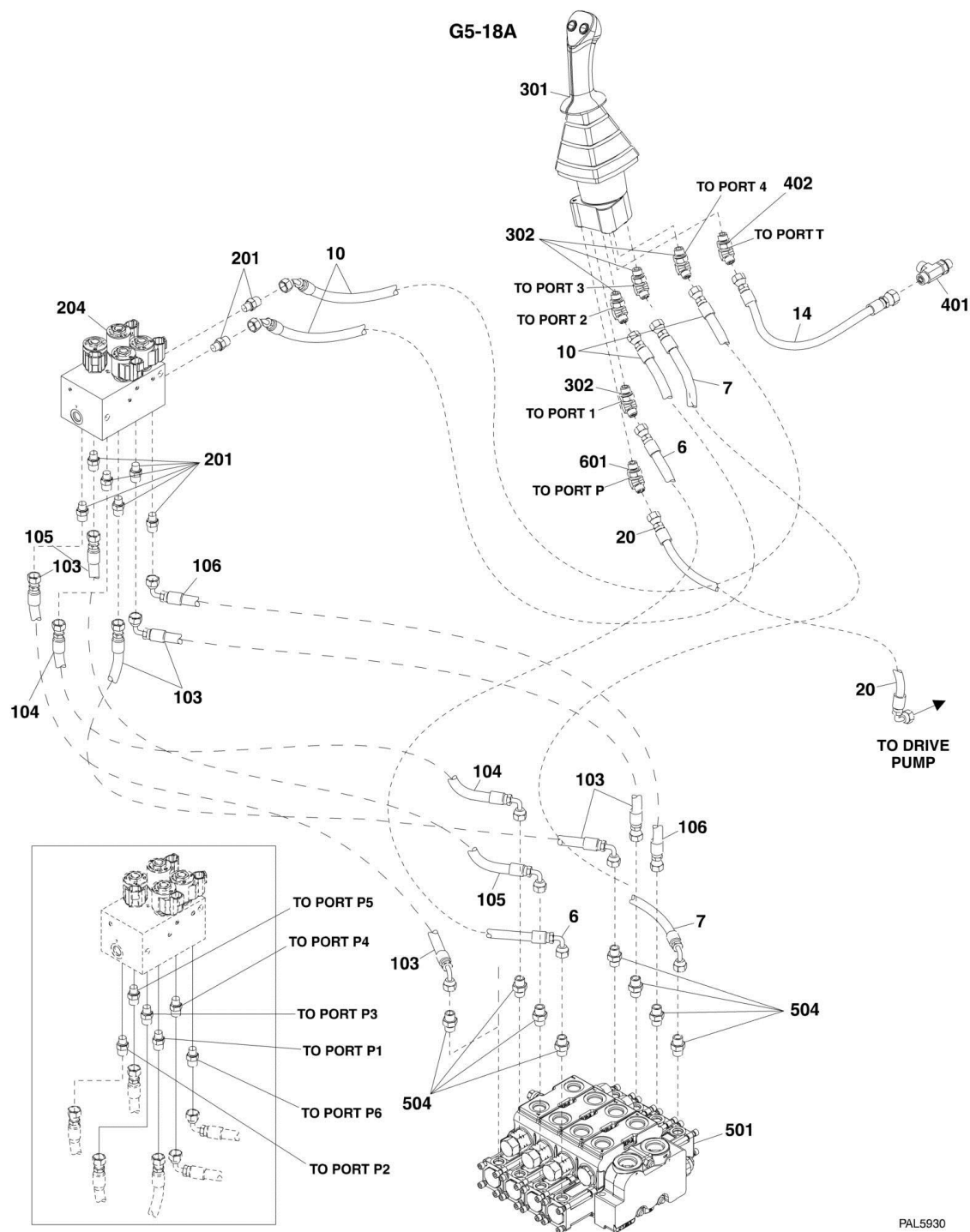
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-7. BOOM JOYSTICK - 2505 (Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------|-----|
| 2    | 2150406     | 4   | ADAPTER, 45                                                  |     |
| 106  | 1001080265  | 1   | HOSE ASSY                                                    |     |
| 110  | 1001080319  | 1   | HOSE ASSY                                                    |     |
| 115  | 1001080583  | 1   | HOSE ASSY                                                    |     |
| 221  | 1001081178  | 1   | HOSE ASSY                                                    |     |
| 231  | 1001081170  | 1   | HOSE ASSY                                                    |     |
| 232  | 1001081171  | 1   | HOSE ASSY                                                    |     |
| 234  | 1001081179  | 1   | HOSE ASSY                                                    |     |
| 301  | 2110404     | 13  | ADAPTER, (includes o-ring)                                   |     |
| 402  | 0641422     | 2   | HEX HD CAPSCREW, 1/4-20X2-3/4, GR5                           |     |
| 418  | 4891400     | 2   | WASHER, 1/4                                                  |     |
| 436  | 2110606     | 1   | ADAPTER, (includes o-ring)                                   |     |
| 445  | 0100011     | AR  | LOCTITE 242                                                  |     |
| 504  | 2110406     | 8   | ADAPTER, (includes o-ring)                                   |     |
| 603  | 0641413     | 2   | HEX HD CAPSCREW, 1/4-20X1-5/8, GR5                           |     |
| 604  | 4711400     | 2   | WASHER, 1/4                                                  |     |
| 723  | 1001080674  | 3   | HOSE ASSY                                                    |     |
| 724  | 1001080535  | 3   | HOSE ASSY                                                    |     |
| 811  | 1001081154  | 1   | BRACKET                                                      |     |
| 813  | 0760607     | 2   | HEX HD CAPSCREW, M6X14, GR8.8                                |     |
| 814  | 4811700     | 2   | WASHER, 6mm                                                  |     |
| 901  |             | Ref | HOSE AND ADAPTER ASSY, (See SUPPLY CIRCUIT for Breakdown)    |     |
| 902  |             | Ref | BLOCKING VALVE, (See HYDRAULIC COMPONENTS for Breakdown)     |     |
| 903  |             | Ref | PILOT SELECT VALVE, (See HYDRAULIC COMPONENTS for Breakdown) |     |
| 904  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS for Breakdown) |     |
| 905  |             | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)          |     |
| 906  |             | Ref | HOSE AND ADAPTER, (See DUMP CIRCUIT for Breakdown)           |     |
| 907  |             | Ref | LSI VALVE, (See HYDRAULIC COMPONENTS for Breakdown)          |     |

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FIGURE 8-8. BOOM JOYSTICK - G15-18A (SN 0160042093 to Present)



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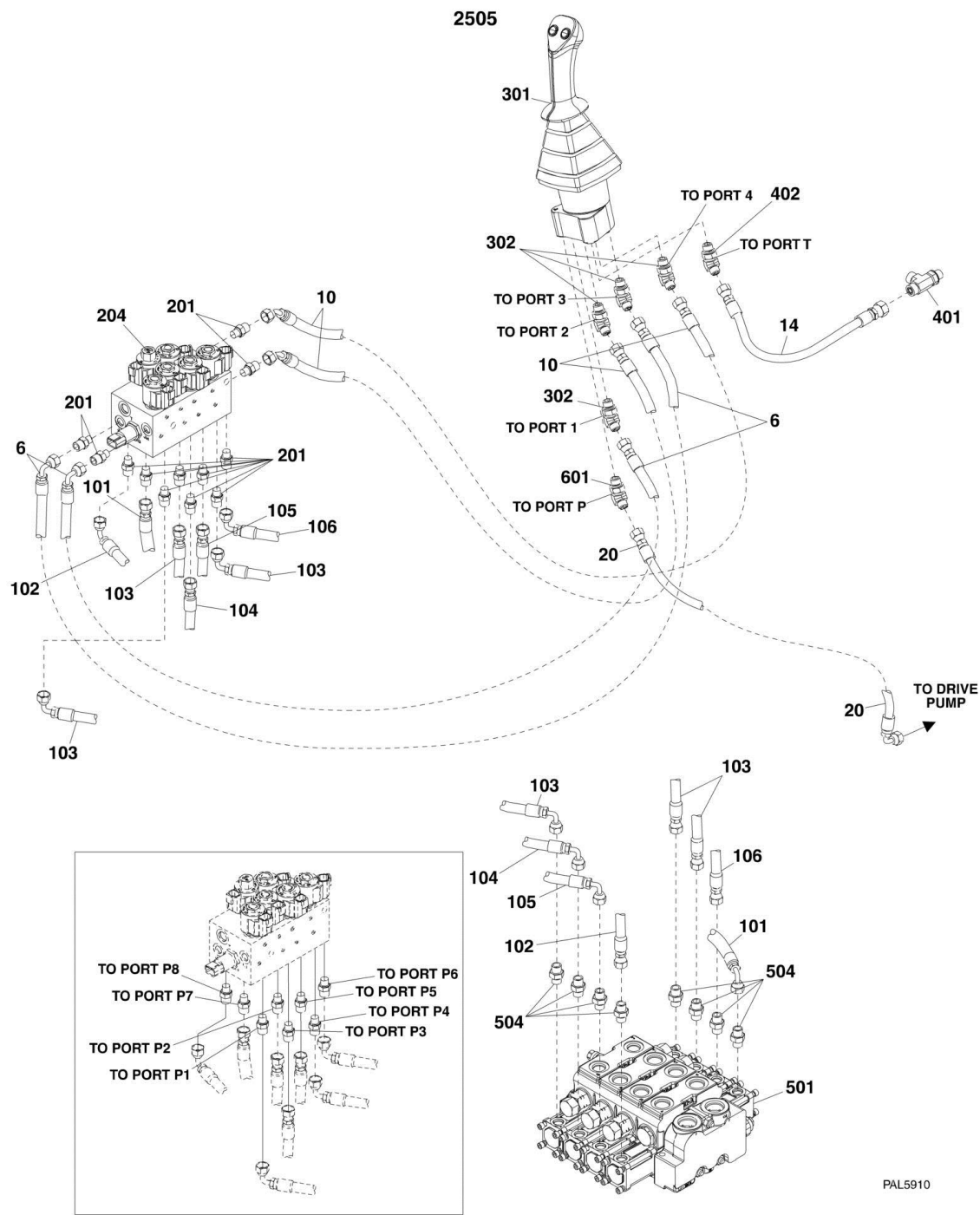
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-8. BOOM JOYSTICK - G15-18A (SN 0160042093 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------|-----|
| 6    | 1001080265  | 1   | HOSE ASSY                                                    |     |
| 7    | 1001080266  | 1   | HOSE ASSY                                                    |     |
| 10   | 1001129895  | 2   | HOSE ASSY                                                    |     |
| 14   |             | Ref | HOSE ASSY, (See DUMP CIRCUIT for Breakdown)                  |     |
| 20   | 1001080448  | 1   | HOSE ASSY                                                    |     |
| 103  | 1001129889  | 3   | HOSE ASSY                                                    |     |
| 104  | 1001129891  | 1   | HOSE ASSY                                                    |     |
| 105  | 1001129893  | 1   | HOSE ASSY                                                    |     |
| 106  | 1001129894  | 1   | HOSE ASSY                                                    |     |
| 201  | 2110404     | 8   | STRAIGHT FITTING, (includes o-ring)                          |     |
| 204  |             | Ref | PILOT SELECT VALVE, (See HYDRAULIC COMPONENTS for Breakdown) |     |
| 301  |             | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)          |     |
| 302  | 2150406     | 4   | ADAPTER, 45, (includes o-ring)                               |     |
| 401  |             | Ref | TEE FITTING, (See DUMP CIRCUIT for Breakdown)                |     |
| 402  |             | Ref | ADAPTER, 45, (See DUMP CIRCUIT for Breakdown)                |     |
| 501  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS for Breakdown) |     |
| 504  | 2110406     | 8   | STRAIGHT FITTING, (includes o-ring)                          |     |
| 601  |             | Ref | ADAPTER, 45, (See SUPPLY CIRCUIT for Breakdown)              |     |

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FIGURE 8-9. BOOM JOYSTICK - 2505 (SN 0160042694 to Present)



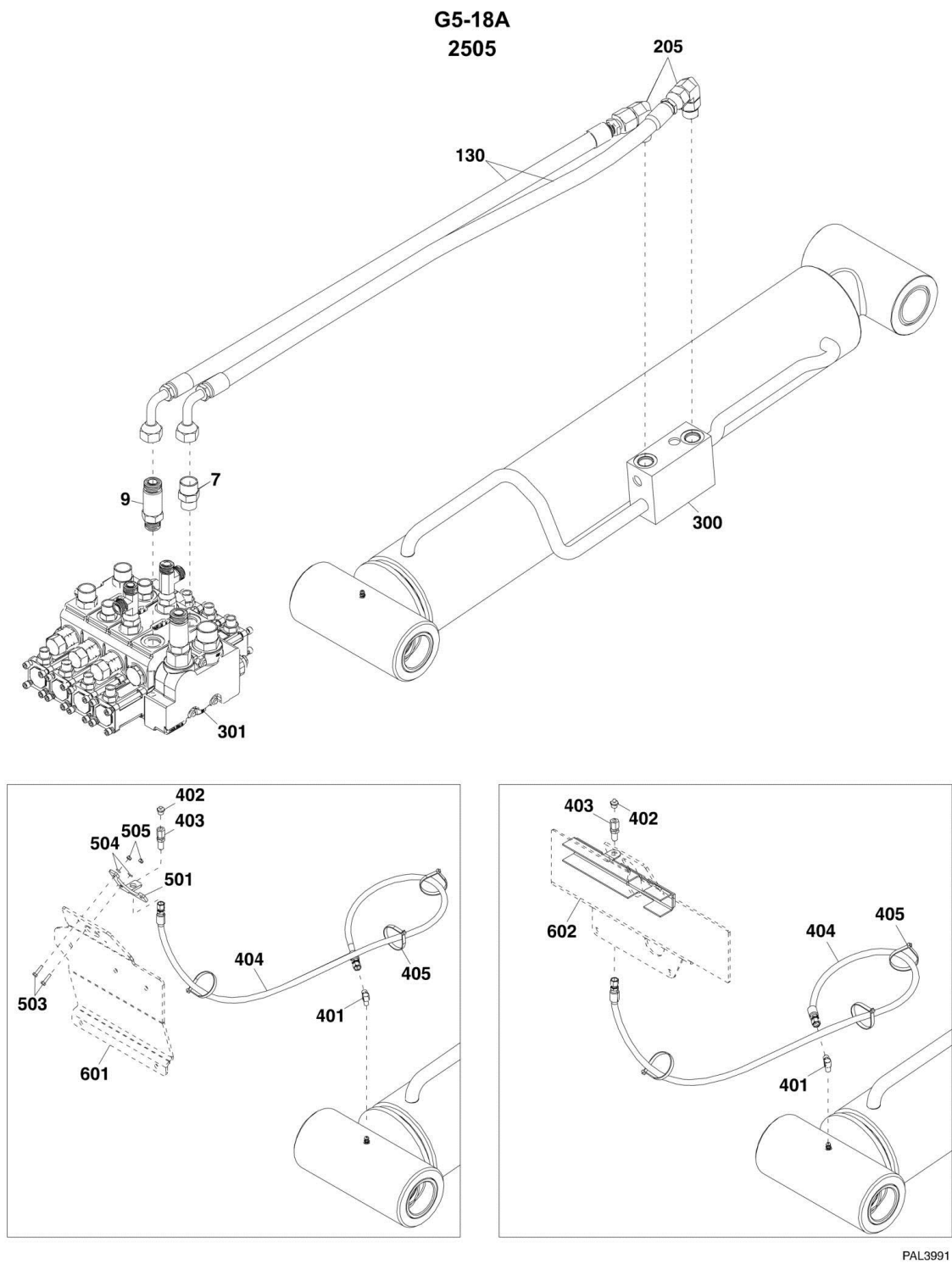
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-9. BOOM JOYSTICK - 2505 (SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
| 6    | 1001129898  | 2   | HOSE ASSY                                                            |     |
| 10   | 1001129895  | 2   | HOSE ASSY                                                            |     |
| 14   |             | Ref | HOSE ASSY, (See DUMP CIRCUIT for Breakdown)                          |     |
| 20   | 1001080448  | 1   | HOSE ASSY                                                            |     |
| 101  | 1001129887  | 1   | HOSE ASSY                                                            |     |
| 102  | 1001129888  | 1   | HOSE ASSY                                                            |     |
| 103  | 1001129889  | 3   | HOSE ASSY                                                            |     |
| 104  | 1001129891  | 1   | HOSE ASSY                                                            |     |
| 105  | 1001129893  | 1   | HOSE ASSY                                                            |     |
| 106  | 1001129894  | 1   | HOSE ASSY                                                            |     |
| 201  | 2110404     | 12  | STRAIGHT FITTING, (includes o-ring)                                  |     |
| 204  |             | Ref | PILOT SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 301  |             | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)                  |     |
| 302  | 2150406     | 4   | ADAPTER, 45, (includes o-ring)                                       |     |
| 401  |             | Ref | TEE FITTING, (See DUMP CIRCUIT for Breakdown)                        |     |
| 402  |             | Ref | ADAPTER, 45, (See DUMP CIRCUITS for Breakdown)                       |     |
| 501  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 504  | 2110406     | 8   | STRAIGHT FITTING, (includes o-ring)                                  |     |
| 601  |             | Ref | ADAPTER, 45, (See SUPPLY CIRCUIT for Breakdown)                      |     |

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FIGURE 8-10. LIFT CYLINDER (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)





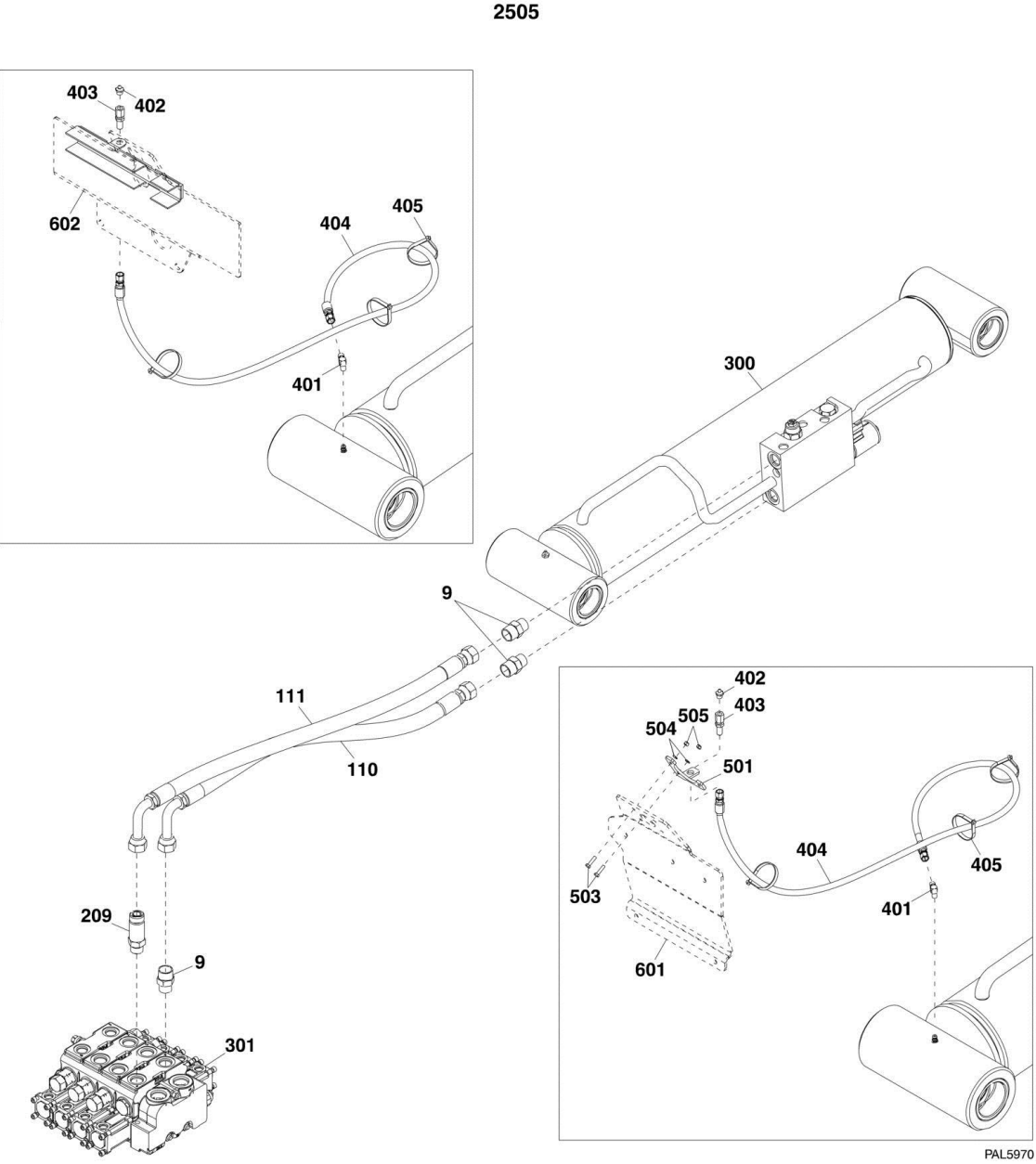
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-10. LIFT CYLINDER (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------------------------------------------------------|-----|
| 7    | 2111010     | 1   | ADAPTER, (includes o-ring                                                                                        |     |
| 9    | 2170110     | 1   | STRAIGHT FITTING, (includes o-ring)                                                                              |     |
| 130  | 1001080279  | 2   | HOSE ASSY                                                                                                        |     |
| 205  | 2131010     | 2   | ELBOW, 90                                                                                                        |     |
| 300  |             | Ref | LIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                  |     |
| 301  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                             |     |
|      | 1001081426  | Ref | REMOTE GREASE INSTALL, (if equipped), (not available to order, see items 401 thru 405 for service)               | A   |
|      | 1001109664  | Ref | REMOTE GREASE INSTALL, (if equipped) (not available to order, see items 401 thru 505 for service)                | B   |
| 401  | 2220612     | 1   | ELBOW, 90                                                                                                        |     |
| 402  | 8520001     | 1   | FITTING                                                                                                          |     |
| 403  | 80623016    | 1   | ADAPTER                                                                                                          |     |
| 404  | 1001081413  | 1   | HOSE ASSY                                                                                                        |     |
| 405  | 8584003     | 3   | CABLE TIE                                                                                                        |     |
| 501  | 1001109663  | 1   | BRACKET                                                                                                          |     |
| 503  | 0700510     | 2   | HEX HD CAPSCREW, M5X20, GR8.8                                                                                    |     |
| 504  | 4811600     | 2   | WASHER, 5mm                                                                                                      |     |
| 505  | 3290505     | 2   | HEX LOCKNUT, M5X8                                                                                                |     |
| 601  |             | Ref | REAR LICENSE PLATE HOLDER INSTALL, (G5-18A), (2505 - if equipped), (See FRAME AND ATTACHING PARTS for Breakdown) |     |
| 602  |             | Ref | REAR LICENSE PLATE HOLDER INSTALL, (2505 - if equipped), (See FRAME AND ATTACHING PARTS for Breakdown)           |     |

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FIGURE 8-11. LIFT CYLINDER - 2505 (SN 0160042694 to Present)



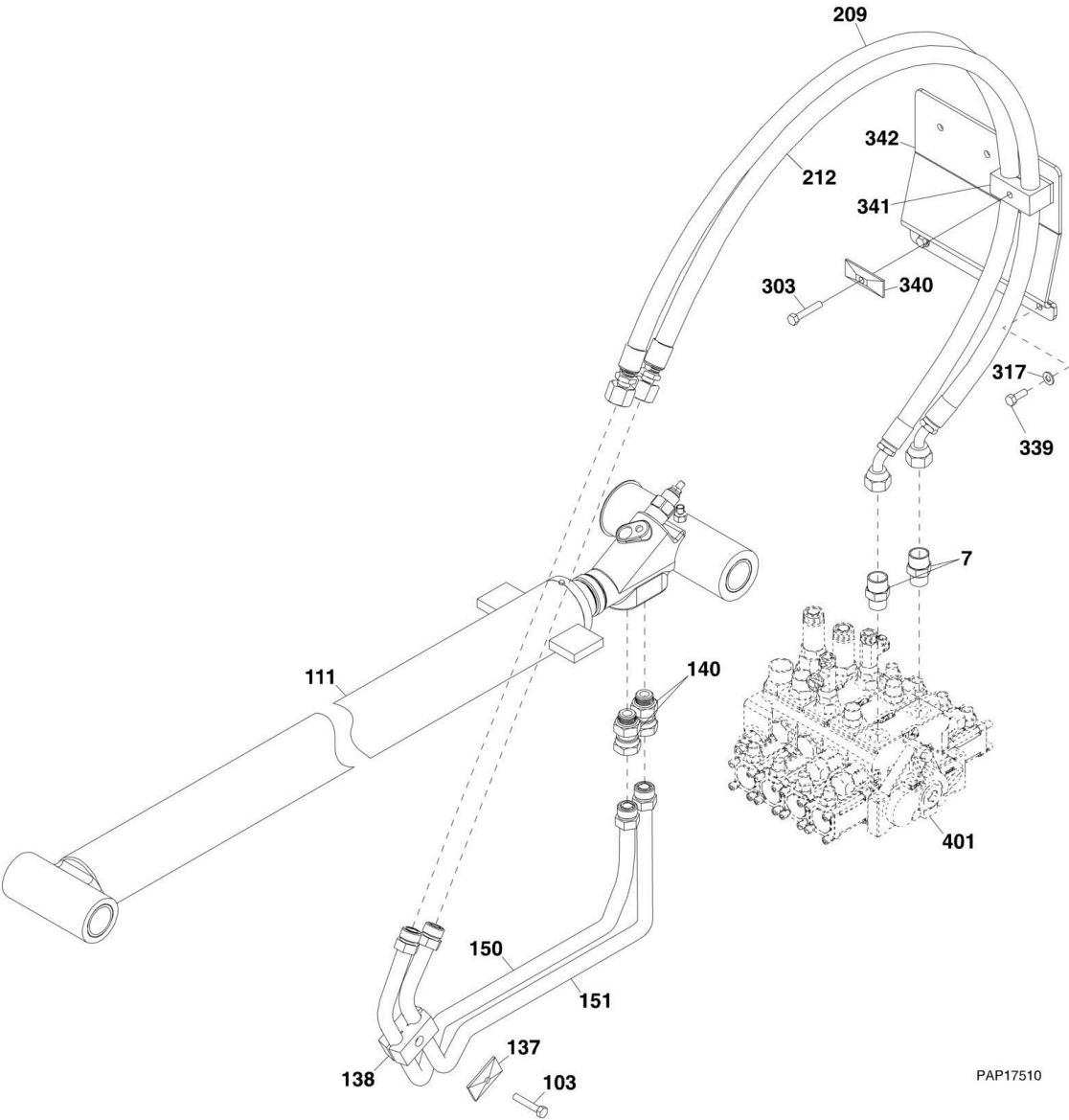
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-11. LIFT CYLINDER - 2505 (SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                 | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------------------|-----|
| 9    | 2111010     | 3   | ADAPTER, (includes o-ring)                                                                                  | A   |
| 110  | 1001132411  | 1   | HOSE ASSY                                                                                                   |     |
| 111  | 1001132412  | 1   | HOSE ASSY                                                                                                   |     |
| 209  | 2170110     | 1   | STRAIGHT FITTING, (includes o-ring)                                                                         |     |
| 300  |             | Ref | LIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                             |     |
| 301  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                        |     |
|      | 1001081426  | Ref | REMOTE GREASE INSTALLATION, (if equipped), (not available to order, see items 401 thru 405 for service)     |     |
|      | 1001109664  | Ref | REMOTE GREASE INSTALLATION, (if equipped) (not available to order, see items 401 thru 505 for service)      |     |
| 401  | 2220612     | 1   | ELBOW, 90                                                                                                   |     |
| 402  | 8520001     | 1   | FITTING                                                                                                     |     |
| 403  | 80623016    | 1   | ADAPTER                                                                                                     |     |
| 404  | 1001081413  | 1   | HOSE ASSY                                                                                                   |     |
| 405  | 8584003     | 3   | CABLE TIE                                                                                                   |     |
| 501  | 1001109663  | 1   | BRACKET                                                                                                     |     |
| 503  | 0700510     | 2   | HEX HD CAPSCREW, M5X20, GR8.8                                                                               |     |
| 504  | 4811600     | 2   | WASHER, 5mm                                                                                                 |     |
| 505  | 3290505     | 2   | HEX LOCKNUT, M5X8                                                                                           |     |
| 601  |             | Ref | REAR LICENSE PLATE HOLDER INSTALLATION, (if equipped), (See FRAME AND ATTACHING PARTSSECTION for Breakdown) |     |
| 602  |             | Ref | REAR LICENSE PLATE HOLDER INSTALLATION, (if equipped), (See FRAME AND ATTACHING PARTSSECTION for Breakdown) |     |
|      |             |     |                                                                                                             | B   |

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FIGURE 8-12. EXTEND/RETRACT CYLINDER



PAP17510

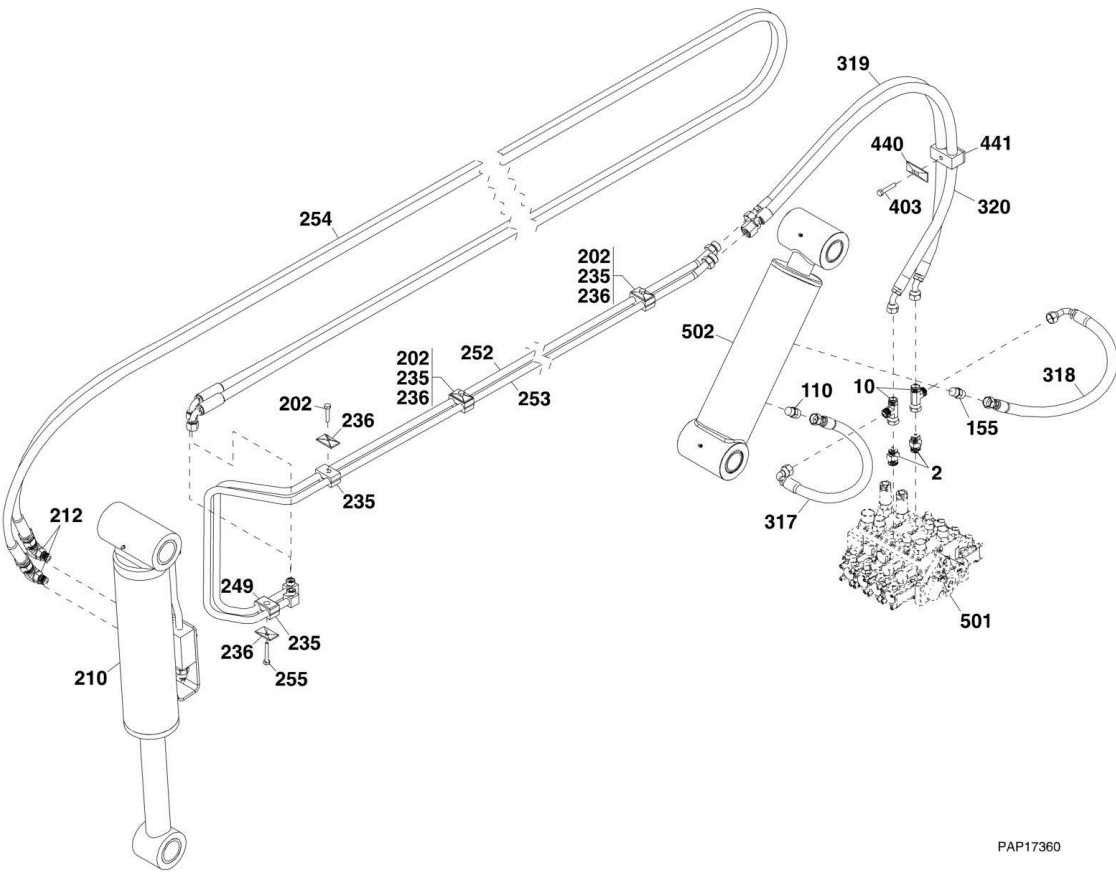
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-12. EXTEND/RETRACT CYLINDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                               | REV |
|------|-------------|-----|---------------------------------------------------------------------------|-----|
| 7    | 2111010     | 2   | ADAPTER, (includes o-ring)                                                |     |
| 103  | 0641514     | 1   | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5                                       |     |
| 111  |             | Ref | EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 137  | 8769128     | 1   | TWIN COVER PLATE                                                          |     |
| 138  | 8769139     | 1   | CLAMP SET, 3/4 DIA                                                        |     |
| 140  | 1001001556  | 2   | ADAPTER                                                                   |     |
| 150  | 1001080203  | 1   | TUBE ASSY                                                                 |     |
| 151  | 1001080204  | 1   | TUBE ASSY                                                                 |     |
| 209  | 1001080293  | 1   | HOSE ASSY                                                                 |     |
| 212  | 1001080309  | 1   | HOSE ASSY                                                                 |     |
| 303  | 0641420     | 1   | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5                                       |     |
| 317  | 4711500     | 2   | WASHER, 5/16                                                              |     |
| 339  | 0641607     | 2   | HEX HD CAPSCREW, 3/8-16X7/8, GR5                                          |     |
| 340  | 77133137    | 1   | COVER PLATE                                                               |     |
| 341  | 77323029    | 1   | CLAMP SET                                                                 |     |
| 342  | 1001097684  | 1   | HOSE CLAMP SUPPORT                                                        |     |
| 401  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)      |     |

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-13. TILT AND COMPENSATING



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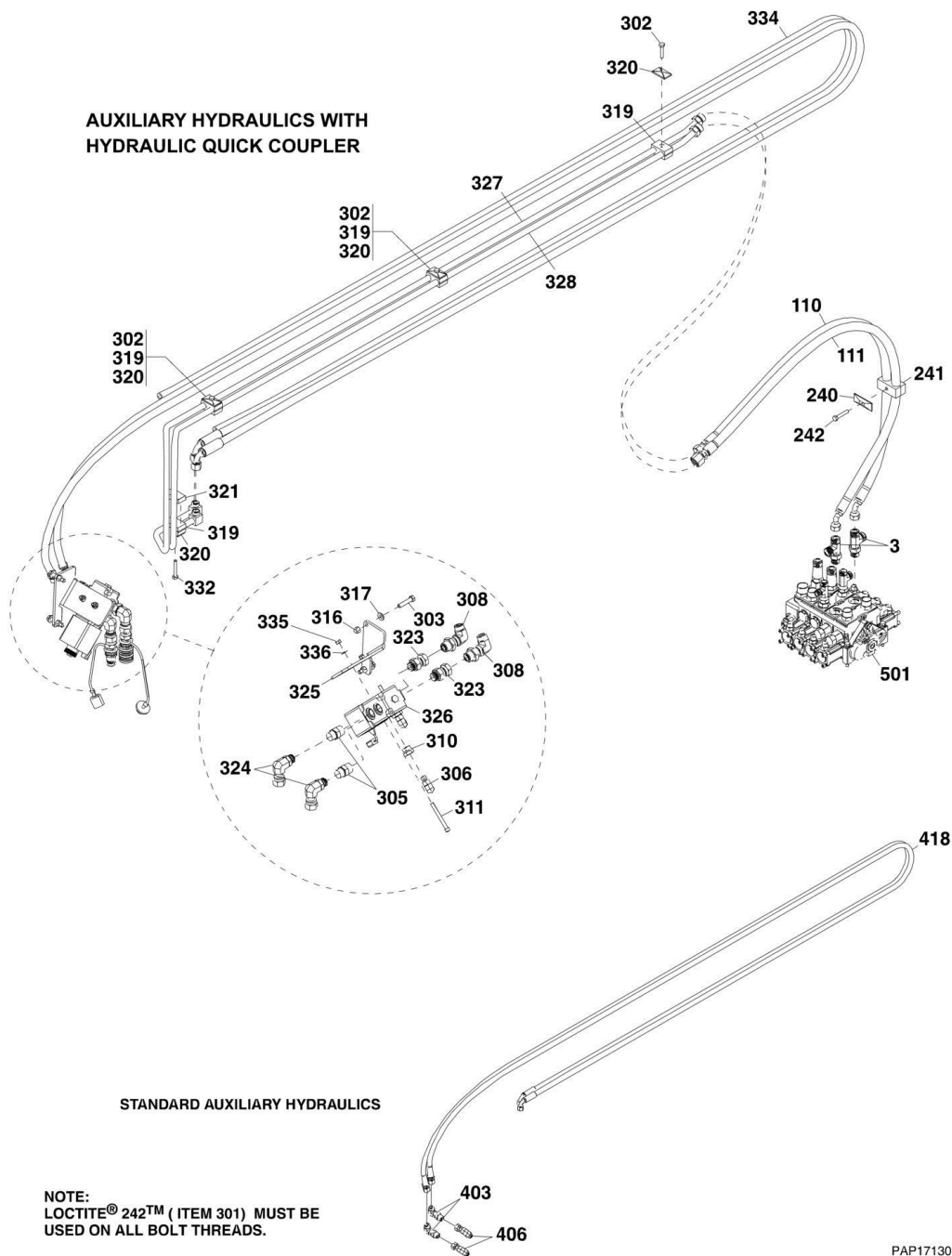
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-13. TILT AND COMPENSATING**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 2    | 2110810     | 2   | ADAPTER, (includes o-ring)                                                                                                                                                 |     |
| 10   | 2170708     | 2   | SWIVEL TEE                                                                                                                                                                 |     |
| 110  | 2110808     | 1   | ADAPTER, (includes o-ring)                                                                                                                                                 |     |
| 155  | 2150808     | 1   | ADAPTER, (includes o-ring)                                                                                                                                                 |     |
| 202  | 0641512     | 3   | HEX HD CAPSCREW, 5/16-18X1-1/2, GR5                                                                                                                                        |     |
| 210  |             | Ref | TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                                                            |     |
| 212  | 2131008     | 2   | ELBOW, 90                                                                                                                                                                  |     |
| 235  | 8769122     | 4   | TWIN CLAMP, 5/8 DIA                                                                                                                                                        |     |
| 236  | 8769123     | 4   | TWIN COVER PLATE                                                                                                                                                           |     |
| 249  | 1001080394  | 1   | TWIN SPACER                                                                                                                                                                |     |
| 252  | 1001080205  | 1   | TUBE ASSY                                                                                                                                                                  |     |
| 253  | 1001080206  | 1   | TUBE ASSY                                                                                                                                                                  |     |
| 254  | 1001080209  | 1   | TWIN LINE HOSE ASSY                                                                                                                                                        |     |
| 255  | 0641516     | 1   | HEX HD CAPSCREW, 5/16-18X2, GR5                                                                                                                                            |     |
| 317  | 1001080430  | 1   | HOSE ASSY (Prior to SN 0160036087, Including 0160036088, 0160036093, 0160036096 and 0160036283, Excluding 0160035503, 0160036071, 0160036076, 0160036077 and 0160036082)   |     |
| 317  | 1001081347  | 1   | HOSE ASSY (SN 0160036087 to Present, Including 0160035503, 0160036071, 0160036076, 0160036077 and 0160036082, Excluding 0160036088, 0160036093, 0160036096 and 0160036283) |     |
| 318  | 1001080431  | 1   | HOSE ASSY (Prior to SN 0160036087, Including 0160036088, 0160036093, 0160036096 and 0160036283, Excluding 0160035503, 0160036071, 0160036076, 0160036077 and 0160036082)   |     |
| 318  | 1001081348  | 1   | HOSE ASSY (SN 0160036087 to Present, Including 0160035503, 0160036071, 0160036076, 0160036077 and 0160036082, Excluding 0160036088, 0160036093, 0160036096 and 0160036283) |     |
| 319  | 1001080437  | 1   | HOSE ASSY                                                                                                                                                                  |     |
| 320  | 1001080438  | 1   | HOSE ASSY                                                                                                                                                                  |     |
| 403  | 0641514     | 1   | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5                                                                                                                                        |     |
| 440  | 77133137    | 1   | COVER PLATE                                                                                                                                                                |     |
| 441  | 77323029    | 1   | CLAMP SET                                                                                                                                                                  |     |
| 501  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                                                       |     |
| 502  |             | Ref | TILT COMPENSATING CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                                               |     |

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FIGURE 8-14. AUXILIARY HYDRAULICS



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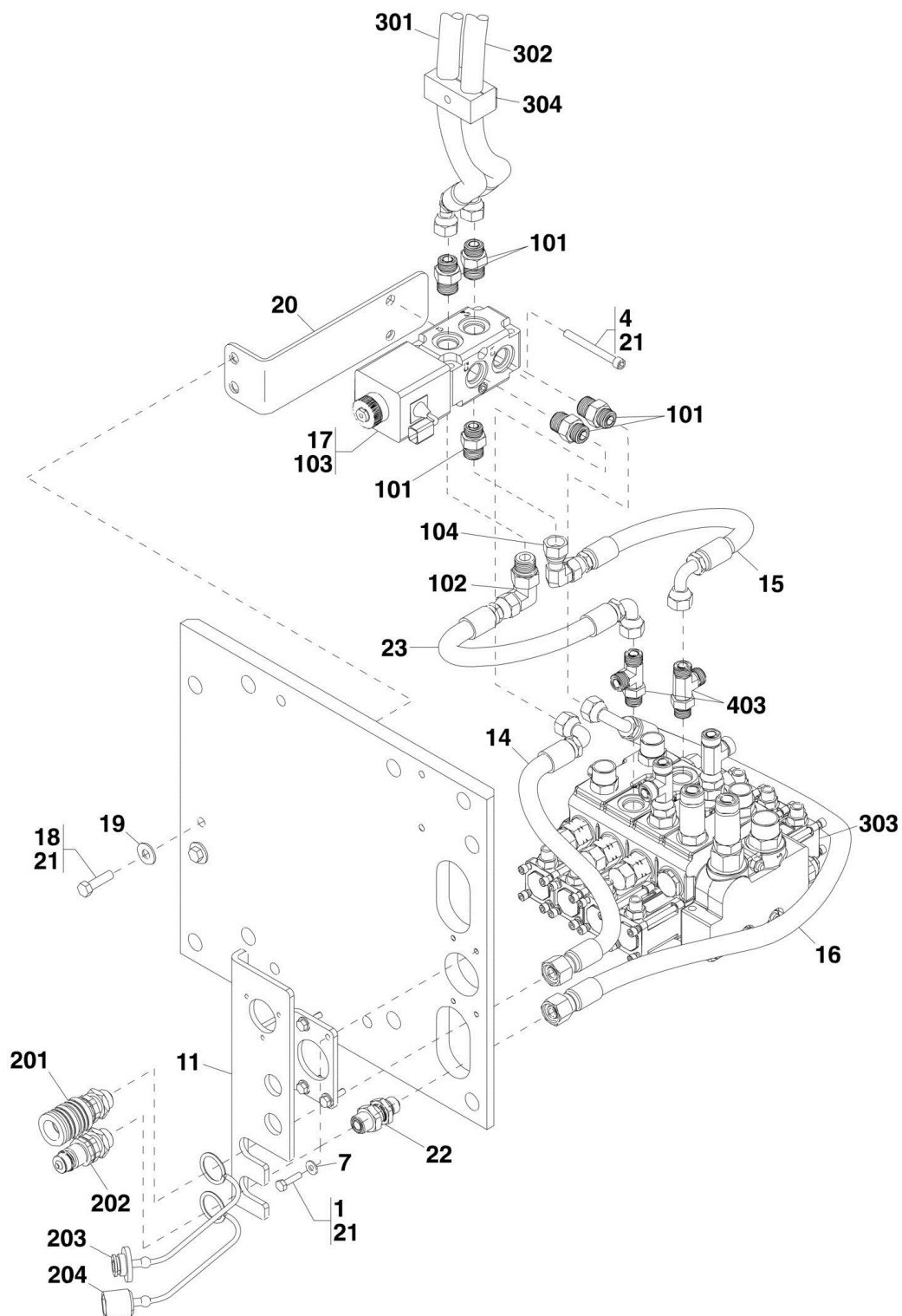
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-14. AUXILIARY HYDRAULICS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                                         | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 3    | 2170308     | 2   | TEE FITTING, (includes o-ring)                                                                                                                                                                      |     |
| 110  | 1001080294  | 1   | HOSE ASSY <b>(Prior to SN 0160042694)</b>                                                                                                                                                           |     |
| 110  | 1001135799  | 1   | HOSE ASSY <b>(SN 0160042694 to Present)</b>                                                                                                                                                         |     |
| 111  | 1001080308  | 1   | HOSE ASSY <b>(Prior to SN 0160042694)</b>                                                                                                                                                           |     |
| 111  | 1001135799  | 1   | HOSE ASSY <b>(SN 0160042694 to Present)</b>                                                                                                                                                         |     |
| 240  | 77133137    | 1   | COVER PLATE                                                                                                                                                                                         |     |
| 241  | 77323029    | 1   | CLAMP SET                                                                                                                                                                                           |     |
| 242  | 88201023    | 1   | HEX HD CAPSCREW, 5/16X1-3/4                                                                                                                                                                         |     |
|      | 1001080301  | Ref | AUXILIARY HYDRAULICS WITH HYDRAULIC QUICK COUPLER INSTALLATION, (if equipped), (not available to order, see items 301 thru 336 for service)                                                         | J   |
|      | 1001080237  | Ref | STANDARD AUXILIARY HYDRAULICS INSTALLATION, (2505 - AUS), (G5-18A & 2505 - CE, if equipped), (not available to order, see items 301& 302, 319 thru 321, 327 & 328, 332, 403, 406 & 418 for service) | F   |
| 301  | 0100011     | AR  | LOCTITE 242                                                                                                                                                                                         |     |
| 302  | 0641512     | 3   | HEX HD CAPSCREW, 5/16-18X1-1/2, GR5                                                                                                                                                                 |     |
| 303  | 0641614     | 2   | HEX HD CAPSCREW, 3/8-16X1-3/4, GR5                                                                                                                                                                  |     |
| 305  | 2111010     | 2   | ADAPTER, (includes o-ring)                                                                                                                                                                          |     |
| 306  | 2150606     | 2   | ELBOW, 45                                                                                                                                                                                           |     |
| 308  | 2221290     | 2   | ELBOW, 90                                                                                                                                                                                           |     |
| 310  | 2220218     | 2   | ADAPTER, (includes o-ring)                                                                                                                                                                          |     |
| 311  | 3931548     | 2   | SOCKET HD CAPSCREW, 5/16-18X3                                                                                                                                                                       |     |
| 316  | 8305645     | 2   | HEX LOCKNUT, 3/8-16                                                                                                                                                                                 |     |
| 317  | 8307110     | 2   | WASHER, 3/8                                                                                                                                                                                         |     |
| 319  | 8769122     | 4   | CLAMP SET, 5/8 DIA                                                                                                                                                                                  |     |
| 320  | 8769123     | 4   | COVER PLATE                                                                                                                                                                                         |     |
| 321  | 1001080394  | 1   | TWIN LINE CLAMP SPACER                                                                                                                                                                              |     |
| 322  |             | Ref | AUXILIARY BOOM HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)                                                                                                                         |     |
| 323  | 1001001556  | 2   | ADAPTER                                                                                                                                                                                             |     |
| 324  | 1001090103  | 2   | FITTING                                                                                                                                                                                             |     |
| 325  | 1001100916  | 1   | BRACKET                                                                                                                                                                                             |     |
| 326  |             | Ref | DIVERTOR VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                                                                                    |     |
| 327  | 1001080207  | 1   | TUBE ASSY                                                                                                                                                                                           |     |
| 328  | 1001080208  | 1   | TUBE ASSY                                                                                                                                                                                           |     |
| 331  | 90027187    | AR  | CABLE TIE STRAP, (not shown)                                                                                                                                                                        |     |
| 332  | 0641516     | 1   | HEX HD CAPSCREW, 5/16-18X2                                                                                                                                                                          |     |
| 334  | 1001080299  | 1   | TRI-LINE HOSE ASSY                                                                                                                                                                                  |     |
| 335  | 8305626     | 2   | HEX LOCKNUT, 5/16                                                                                                                                                                                   |     |
| 336  | 8307106     | 2   | PLAIN WASHER, 5/16                                                                                                                                                                                  |     |
| 403  | 1001090103  | 2   | FITTING                                                                                                                                                                                             |     |
| 406  | 2221290     | 2   | ELBOW, 90                                                                                                                                                                                           |     |
| 418  | 1001080209  | 1   | TWIN LINE HOSE ASSY                                                                                                                                                                                 |     |
| 501  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                                                                                |     |

## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-15. REAR AUXILIARY HYDRAULICS (G5-18A SN 0160035962 through 0160042086; 250S SN 0160036070 through 0160042693)**



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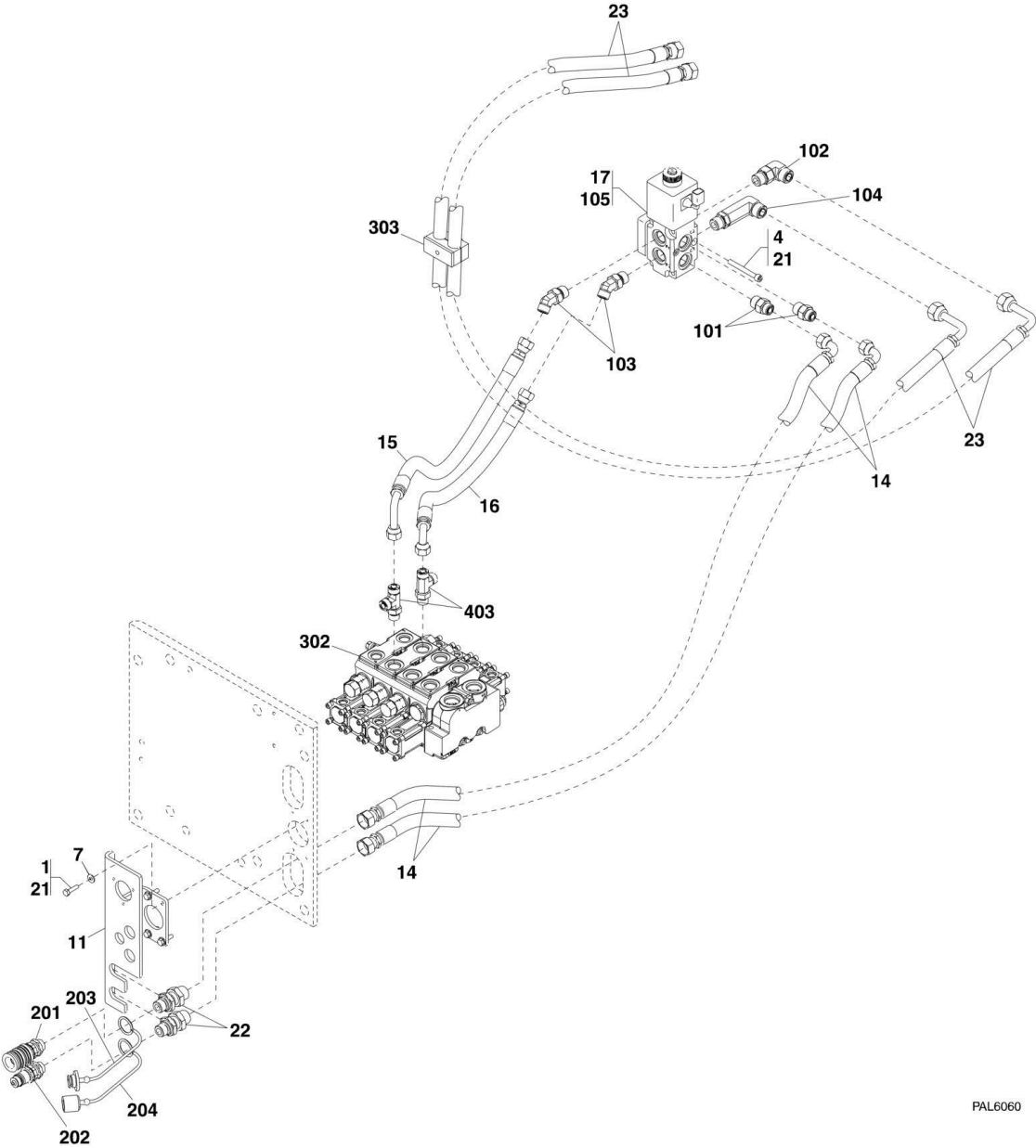
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-15. REAR AUXILIARY HYDRAULICS (G5-18A SN 0160035962 through 0160042086; 2505 SN 0160036070 through 0160042693)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                          | REV  |
|------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------|------|
|      | 1001112165  | Ref | REAR AUXILIARY HYDRAULIC INSTALLATION, (G5-18A & 2505 - CE, if equipped), (not available to order, see items 1 thru 23 for service)  | B, H |
|      | 1001112167  | Ref | REAR AUXILIARY HYDRAULIC INSTALLATION, (2505 - AUS, if equipped), (not available to order, see items 4, 12 & 14 thru 23 for service) | B, H |
| 1    | 0641408     | 4   | HEX HD CAPSCREW, 1/4-20X1, GR5                                                                                                       |      |
| 4    | 3931548     | 2   | SOCKET HD CAPSCRW, 5/16-18X3                                                                                                         |      |
| 7    | 4711400     | 4   | WASHER, 1/4                                                                                                                          |      |
| 11   | 1001080240  | 1   | TRAILER HITCH BRACKET                                                                                                                |      |
| 12   |             | Ref | AUXILIARY HYDRAULIC SWITCH, (not shown), (See ELECTRICAL SECTION for Breakdown)                                                      |      |
| 14   | 1001101208  | 1   | HOSE ASSY                                                                                                                            |      |
| 15   | 1001080625  | 1   | HOSE ASSY                                                                                                                            |      |
| 16   | 1001101209  | 1   | HOSE ASSY                                                                                                                            |      |
| 17   | 1001080628  | Ref | DIVERTOR VALVE INSTALLATION, (not available to order, see items 101 thru 104)                                                        | F    |
| 18   | 0641611     | 2   | HEX HD CAPSCREW, 3/8-16X1-3/8, GR5                                                                                                   |      |
| 19   | 4751600     | 2   | FLAT WASHER, 3/8                                                                                                                     |      |
| 20   | 1001098648  | 1   | BRACKET                                                                                                                              |      |
| 21   | 0100011     | AR  | LOCTITE 242                                                                                                                          |      |
| 22   | 1001101235  | 2   | ADAPTER, (includes o-ring)                                                                                                           |      |
| 23   | 1001101236  | 1   | HOSE ASSY                                                                                                                            |      |
| 101  | 2110810     | 5   | ADAPTER, (includes o-ring)                                                                                                           |      |
| 102  | 2130810     | 1   | ADAPTER, 90, (includes o-ring)                                                                                                       |      |
| 103  |             | Ref | DIVERTOR VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                     |      |
| 104  | 2172108     | 1   | ADAPTER, 90, (includes o-ring)                                                                                                       |      |
|      | 1001101039  | 1   | QUICK DISCONNECT KIT, (FLAT FACED), (if equipped), (includes items 201 thru 204)                                                     | A    |
|      | 1001101040  | 1   | QUICK DISCONNECT KIT, (AG STYLE), (if equipped), (includes items 201 thru 204)                                                       | A    |
| 201  | 1001101041  | 1   | MALE COUPLING, (FLAT FACED)                                                                                                          |      |
| 201  | 1001001241  | 1   | MALE COUPLING, (AG STYLE)                                                                                                            |      |
| 202  | 1001101042  | 1   | FEMALE COUPLING, (FLAT FACED)                                                                                                        |      |
| 202  | 1001001240  | 1   | FEMALE COUPLING, (AG STYLE)                                                                                                          |      |
| 203  | 8420053     | 1   | DUST CAP                                                                                                                             |      |
| 204  | 8420055     | 1   | DUST PLUG, (FLAT FACED)                                                                                                              |      |
| 204  | 1001001557  | 1   | DUST PLUG, (AG STYLE)                                                                                                                |      |
| 301  |             | Ref | HOSE ASSY, (See AUXILIARY HYDRAULICS for Breakdown)                                                                                  |      |
| 302  |             | Ref | HOSE ASSY, (See AUXILIARY HYDRAULICS for Breakdown)                                                                                  |      |
| 303  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                 |      |
| 304  |             | Ref | CLAMP SET, (See AUXILIARY HYDRAULICS for Breakdown)                                                                                  |      |
| 403  |             | Ref | ADAPTER, (See AUXILIARY HYDRAULICS for Breakdown)                                                                                    |      |

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FIGURE 8-16. REAR AUXILIARY HYDRAULICS (G5-18A SN 0160042093 to Present; 2505 SN 0160042694 to Present)



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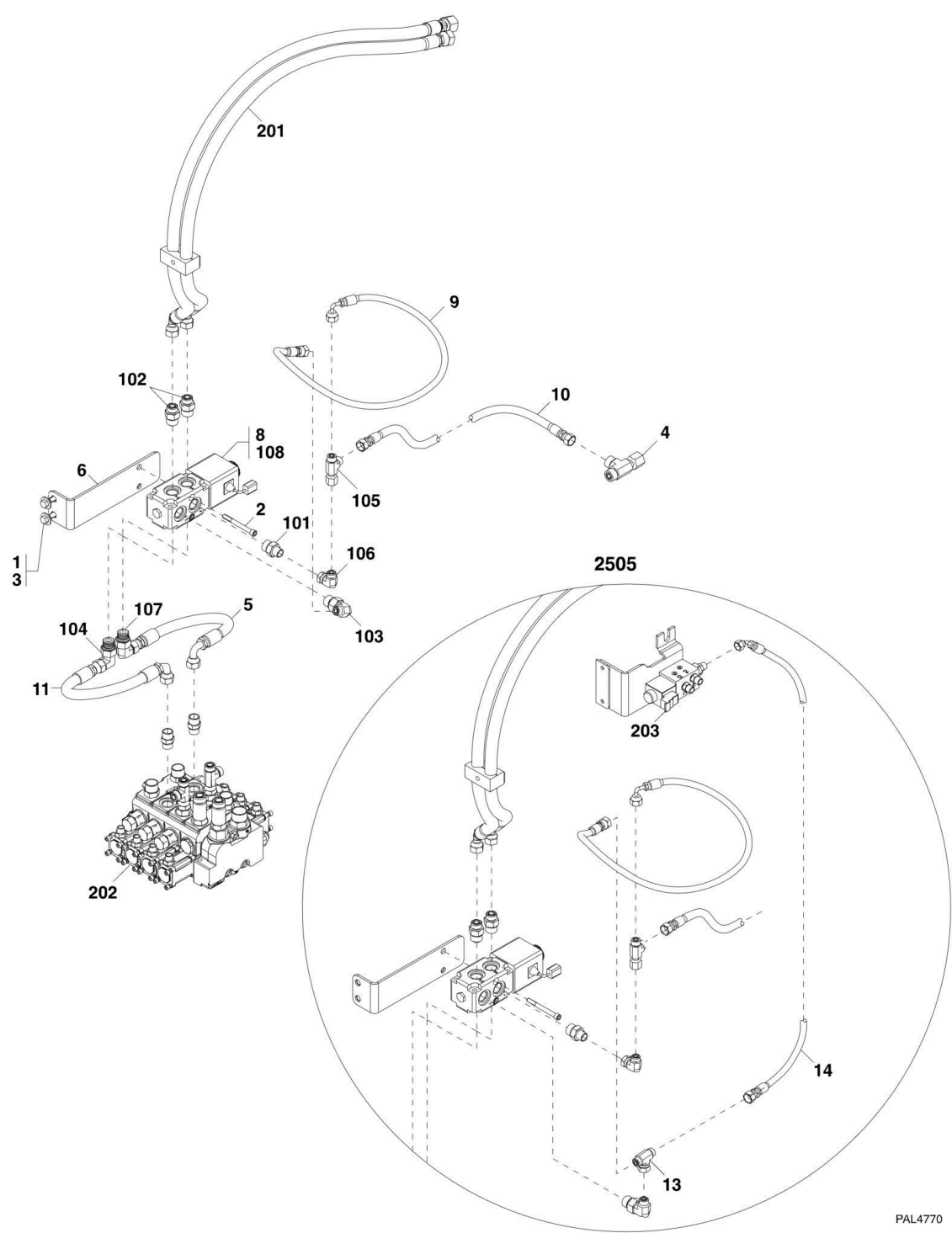
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-16. REAR AUXILIARY HYDRAULICS (G5-18A SN 0160042093 to Present; 2505 SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                        | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001135759  | Ref | REAR AUXILIARY HYDRAULIC INSTALLATION, (G5-18A & 2505 - CE, if equipped), (not available to order, see items 1, 4, 7, 11, 12, 14 thru 17 & 21 thru 23 for service) | A,A |
| 1    | 0641408     | 4   | HEX HD CAPSCREW, 1/4-20X1, GR5                                                                                                                                     |     |
| 4    | 4031918     | 2   | HEX SOCKET HD CAPSCREW, M8X70                                                                                                                                      |     |
| 7    | 4711400     | 4   | WASHER, 1/4                                                                                                                                                        |     |
| 11   | 1001080240  | 1   | TRAILER HITCH BRACKET                                                                                                                                              |     |
| 12   |             | Ref | AUXILIARY HYDRAULIC SWITCH, (not shown), (See ELECTRICAL SECTION for Breakdown)                                                                                    |     |
| 14   | 1001135801  | 2   | HOSE ASSY                                                                                                                                                          |     |
| 15   | 1001135803  | 1   | HOSE ASSY                                                                                                                                                          |     |
| 16   | 1001135805  | 1   | HOSE ASSY                                                                                                                                                          |     |
| 17   | 1001135807  | Ref | DIVERTOR VALVE INSTALLATION, (not available to order, see items 101 thru 105)                                                                                      | A   |
| 21   | 0100011     | AR  | LOCTITE 242                                                                                                                                                        |     |
| 22   | 1001101235  | 2   | ADAPTER, (includes o-ring)                                                                                                                                         |     |
| 23   |             | Ref | HOSE ASSY, (See AUXILIARY HYDRAULICS for Breakdown)                                                                                                                |     |
| 101  | 2110810     | 2   | ADAPTER, (includes o-ring)                                                                                                                                         |     |
| 102  | 2131010     | 1   | ADAPTER, 90, (includes o-ring)                                                                                                                                     |     |
| 103  | 2150810     | 2   | ADAPTER, 45, (includes o-ring)                                                                                                                                     |     |
| 104  | 2170210     | 1   | ADAPTER, 90, (includes o-ring)                                                                                                                                     |     |
| 105  |             | Ref | DIVERTOR VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                                                   |     |
|      | 1001101039  | 1   | QUICK DISCONNECT KIT, (FLAT FACED), (if equipped), (includes items 201 thru 204)                                                                                   | A   |
|      | 1001101040  | 1   | QUICK DISCONNECT KIT, (AG STYLE), (if equipped), (includes items 201 thru 204)                                                                                     | A   |
| 201  | 1001101041  | 1   | MALE COUPLING, (FLAT FACED)                                                                                                                                        |     |
| 201  | 1001001241  | 1   | MALE COUPLING, (AG STYLE)                                                                                                                                          |     |
| 202  | 1001101042  | 1   | FEMALE COUPLING, (FLAT FACED)                                                                                                                                      |     |
| 202  | 1001001240  | 1   | FEMALE COUPLING, (AG STYLE)                                                                                                                                        |     |
| 203  | 8420053     | 1   | DUST CAP                                                                                                                                                           |     |
| 204  | 8420055     | 1   | DUST PLUG, (FLAT FACED)                                                                                                                                            |     |
| 204  | 1001001557  | 1   | DUST PLUG, (AG STYLE)                                                                                                                                              |     |
| 302  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                                                               |     |
| 303  |             | Ref | CLAMP SET, (See AUXILIARY HYDRAULICS for Breakdown)                                                                                                                |     |
| 403  |             | Ref | ADAPTER, (See AUXILIARY HYDRAULICS for Breakdown)                                                                                                                  |     |

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FIGURE 8-17. AUXILIARY HYDRAULICS PRESSURE RELIEF (G5-18A Prior to SN 0160035962; 2505 Prior to SN 0160036070)



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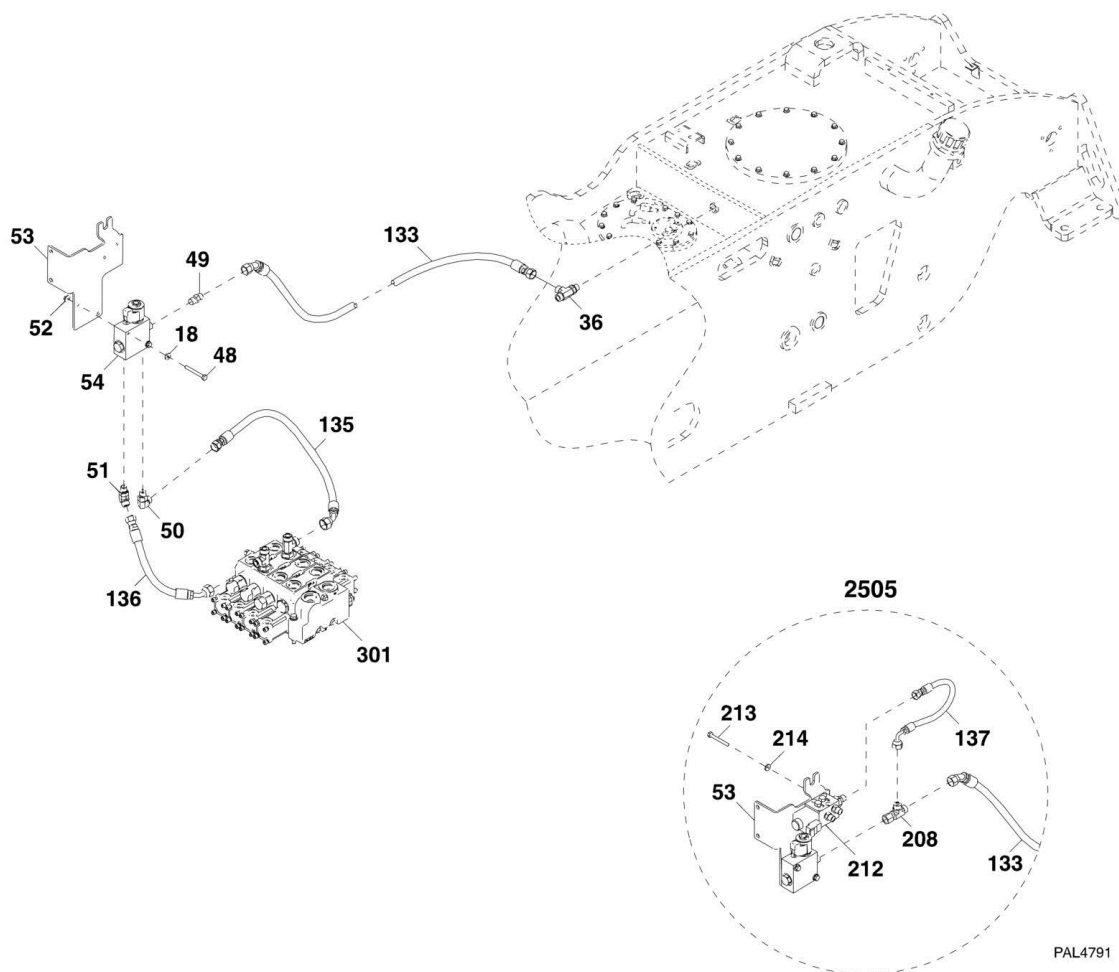
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-17. AUXILIARY HYDRAULICS PRESSURE RELIEF (G5-18A Prior to SN 0160035962; 2505 Prior to SN 0160036070)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001104790  | Ref | AUXILIARY HYDRAULICS PRESSURE RELIEF, (G5-18A), (not available to order, see items 1 thru 12 for service)             |     |
|      | 1001104791  | Ref | AUXILIARY HYDRAULICS PRESSURE RELIEF, (2505), (not available to order, see items 1 thru 3 & 105 thru 114 for service) |     |
| 1    | 0641611     | 2   | HEX HD CAPSCREW, 3/8-16X1 3/8, GR5                                                                                    |     |
| 2    | 3931548     | 2   | SOCKET HD CAPSCRW, 5/16-18X3                                                                                          |     |
| 3    | 4751600     | 2   | WASHER, 3/8                                                                                                           |     |
| 4    | 2170706     | 1   | ADAPTOR                                                                                                               |     |
| 5    | 1001080625  | 1   | HOSE ASSY                                                                                                             |     |
| 6    | 1001098648  | 1   | BRACKET                                                                                                               |     |
| 7    |             | Ref | AUXILIARY HYDRAULICS PRESSURE RELIEF SWITCH, (not shown), (See ELECTRICAL SECTION for Breakdown)                      |     |
| 8    | 1001104726  | 1   | AUXILIARY HYDRAULICS PRESSURE RELIEF VALVE ASSY, (includes items 101 thru 108)                                        |     |
| 9    | 1001104728  | 1   | HOSE                                                                                                                  |     |
| 10   | 1001104729  | 1   | HOSE                                                                                                                  |     |
| 11   | 1001081326  | 1   | HOSE                                                                                                                  |     |
| 13   | 2170806     | 1   | ADAPTOR                                                                                                               |     |
| 14   | 1001104727  | 1   | HOSE                                                                                                                  |     |
| 101  | 2110610     | 1   | ADAPTOR, (includes o-ring)                                                                                            |     |
| 102  | 2110810     | 3   | ADAPTOR, (includes o-ring)                                                                                            |     |
| 103  | 2130610     | 1   | ADAPTOR, (includes o-ring)                                                                                            |     |
| 104  | 2130810     | 1   | ADAPTOR, (includes o-ring)                                                                                            |     |
| 105  | 2170706     | 1   | ADAPTOR, (includes o-ring)                                                                                            |     |
| 106  | 2172106     | 1   | ADAPTOR, (includes o-ring)                                                                                            |     |
| 107  | 2172108     | 1   | ADAPTOR, (includes o-ring)                                                                                            |     |
| 108  |             | Ref | DIVERTOR VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                      |     |
| 201  |             | Ref | HOSE ASSY, (See AUXILIARY HYDRAULICS for Breakdown)                                                                   |     |
| 202  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                  |     |
| 203  |             | Ref | LSI VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                                           |     |

## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-18. AUXILIARY HYDRAULICS PRESSURE RELIEF (G5-18A SN 0160035962 through 0160042086; 2505 SN 0160036070 through 0160042694)**





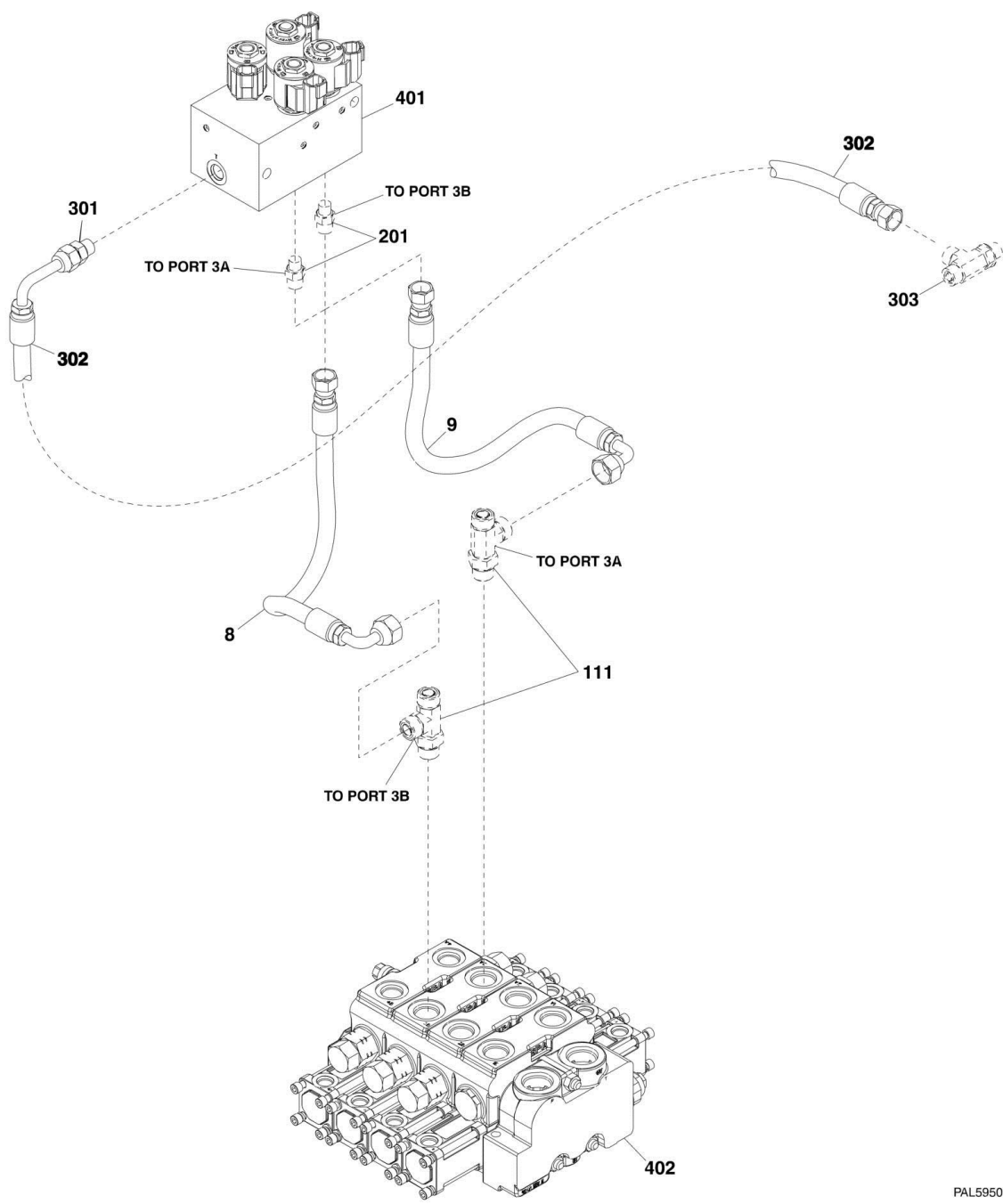
## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-18. AUXILIARY HYDRAULICS PRESSURE RELIEF (G5-18A SN 0160035962 through 0160042086; 2505 SN 0160036070 through 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                 | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------|-----|
| 18   | 4891400     | 2   | WASHER                                                                                      |     |
| 36   | 2170306     | 1   | TEE FITTING, (includes o-ring)                                                              |     |
| 48   | 0641418     | 2   | HEX HD CAPSCREW, 1/4-20X2-1/4, GR5                                                          |     |
| 49   | 2110606     | 1   | ADAPTER, (includes o-ring)                                                                  |     |
| 50   | 2130606     | 1   | ADAPTER, 90, (includes o-ring)                                                              |     |
| 51   | 2150606     | 1   | ADAPTER, 45, (includes o-ring)                                                              |     |
| 52   | 8310382     | 2   | NUT, 0.25-20                                                                                |     |
| 53   | 1001081336  | 1   | BRACKET                                                                                     |     |
| 54   |             | Ref | AUXILIARY HYDRAULIC PRESSURE RELIEF VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) |     |
| 133  | 1001081343  | 1   | HOSE ASSY                                                                                   |     |
| 135  | 1001081344  | 1   | HOSE ASSY                                                                                   |     |
| 136  | 1001081345  | 1   | HOSE ASSY                                                                                   |     |
| 137  | 1001081346  | 1   | HOSE ASSY, (2505)                                                                           |     |
| 208  | 2170706     | 1   | ADAPTER, (includes o-ring), (2505)                                                          |     |
| 212  |             | Ref | LSI VALVE ASSY, (2505), (See HYDRAULIC COMPONENTS SECTION for Breakdown)                    |     |
| 213  | 0681404     | 2   | HEX HD CAPSCREW, 1/4-20X1/2, GR8, (2505)                                                    |     |
| 214  | 8307202     | 2   | WASHER, 0.25, (2505)                                                                        |     |
| 301  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                        |     |

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-19. AUXILIARY HYDRAULICS PRESSURE RELIEF (G5-18A SN 0160042093 to Present;  
2505 SN 0160042694 to Present)



PAL5950

## SECTION 8 - HYDRAULIC CIRCUITS

**FIGURE 8-19. AUXILIARY HYDRAULICS PRESSURE RELIEF (G5-18A SN 0160042093 to Present;  
2505 SN 0160042694 to Present)**

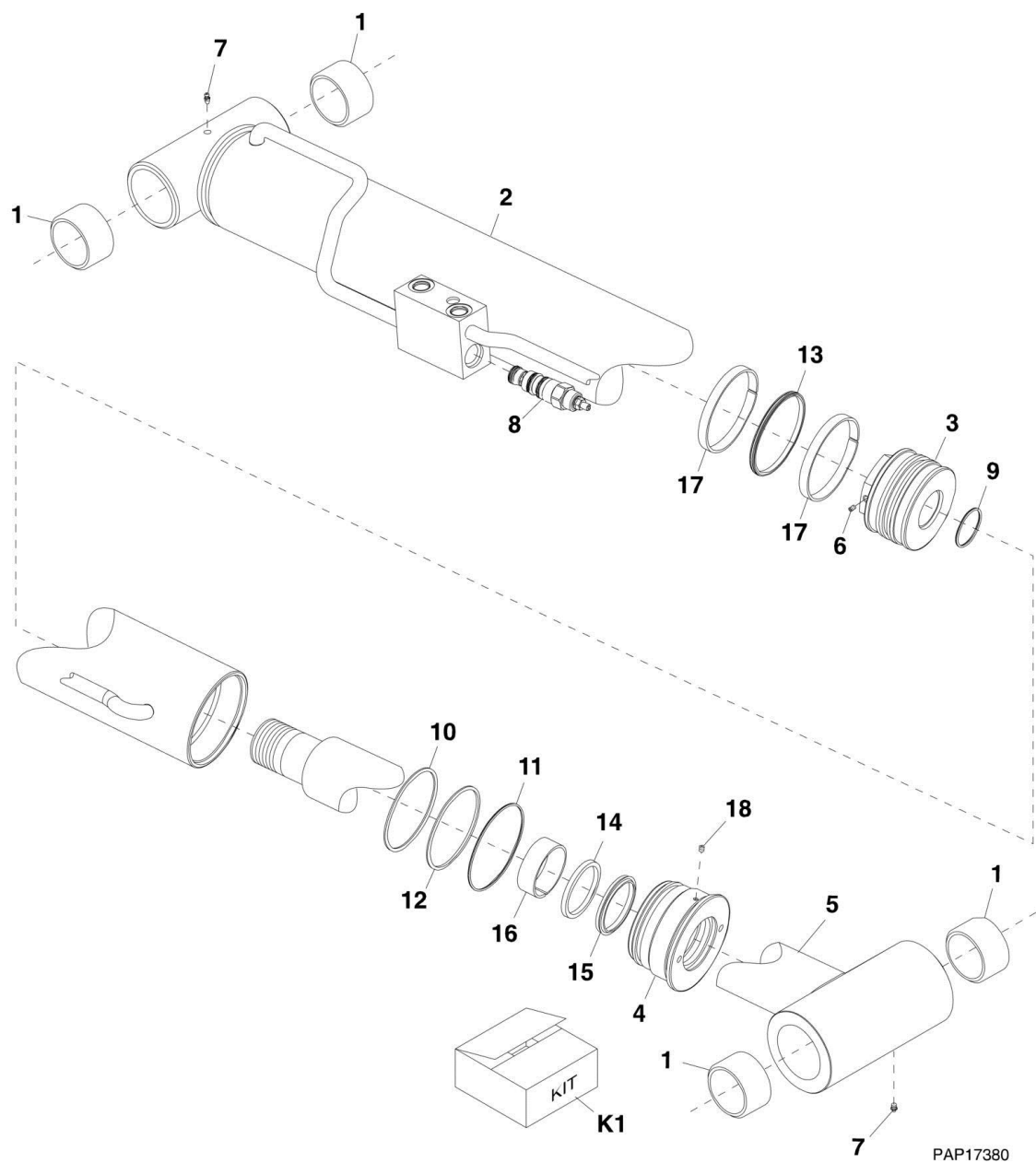
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------|-----|
| 8    | 1001129925  | 1   | HOSE ASSY                                                             |     |
| 9    | 1001129926  | 1   | HOSE ASSY                                                             |     |
| 111  |             | Ref | TEE FITTING, (See AUXILIARY HYDRAULICS for Breakdown)                 |     |
| 201  | 2110606     | 2   | STRAIGHT FITTING, (includes o-ring)                                   |     |
| 301  |             | Ref | STRAIGHT FITTING, (includes o-ring), (See DUMP CIRCUIT for Breakdown) |     |
| 302  |             | Ref | HOSE ASSY, (See DUMP CIRCUIT for Breakdown)                           |     |
| 303  |             | Ref | TEE FITTING, (See DUMP CIRCUIT for Breakdown)                         |     |
| 401  |             | Ref | PILOT SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)  |     |
| 402  |             | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)  |     |



**SECTION 9 - HYDRAULIC COMPONENTS**

# SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. LIFT CYLINDER (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)



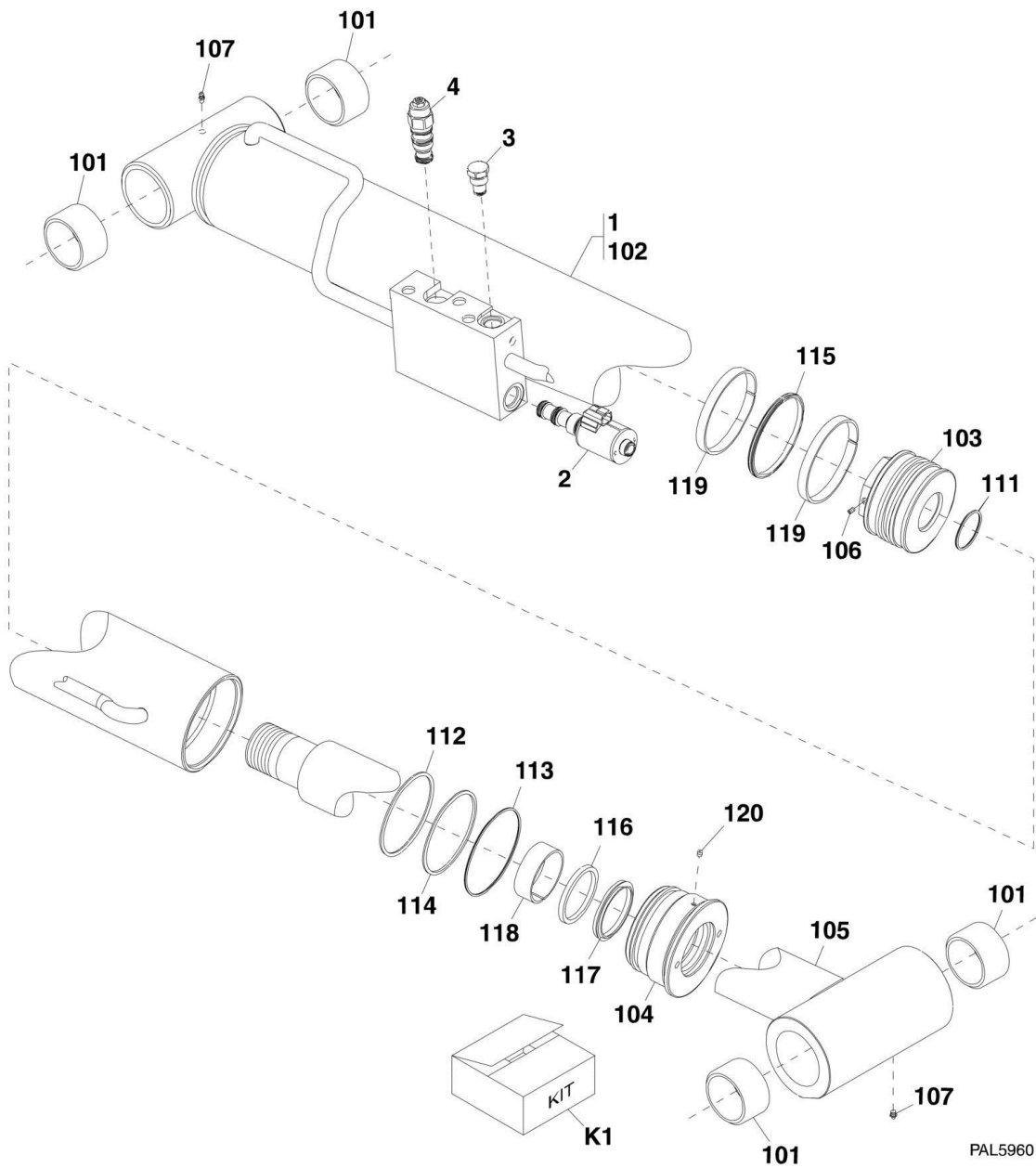
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-1. LIFT CYLINDER (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                          | REV |
|------|-------------|-----|--------------------------------------|-----|
|      | 1684511     | 1   | LIFT CYLINDER, (includes all items)  | G   |
| 1    | 70020370    | 4   | BUSHING                              |     |
| 2    | 70020371    | 1   | CASE ASSY                            |     |
| 3    | 70020372    | 1   | PISTON                               |     |
| 4    | 70020373    | 1   | HEAD GLAND                           |     |
| 5    | 70020374    | 1   | ROD                                  |     |
| 6    | 8036629     | 3   | SET SCREW, 3/8-16X3/4                |     |
| 7    | 70020375    | 2   | GREASE FITTING                       |     |
| 8    | 70020376    | 1   | COUNTERBALANCE VALVE                 |     |
| 9    | Kit         | 1   | O-RING                               |     |
| 10   | Kit         | 1   | O-RING                               |     |
| 11   | Kit         | 1   | O-RING                               |     |
| 12   | Kit         | 1   | BACK-UP RING                         |     |
| 13   | Kit         | 1   | DISO-PAC                             |     |
| 14   | Kit         | 1   | DZR SEAL                             |     |
| 15   | Kit         | 1   | ROD WIPER                            |     |
| 16   | Kit         | 1   | PRECISION WEARBAND                   |     |
| 17   | Kit         | 2   | PRECISION WEARBAND WITH OIL SLOTS    |     |
| 18   | Kit         | 2   | LOCKING INSERT                       |     |
| K1   | 70020377    | 1   | SEAL KIT, (includes items 9 thru 18) |     |

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. LIFT CYLINDER (2505 SN 0160042694 to Present)





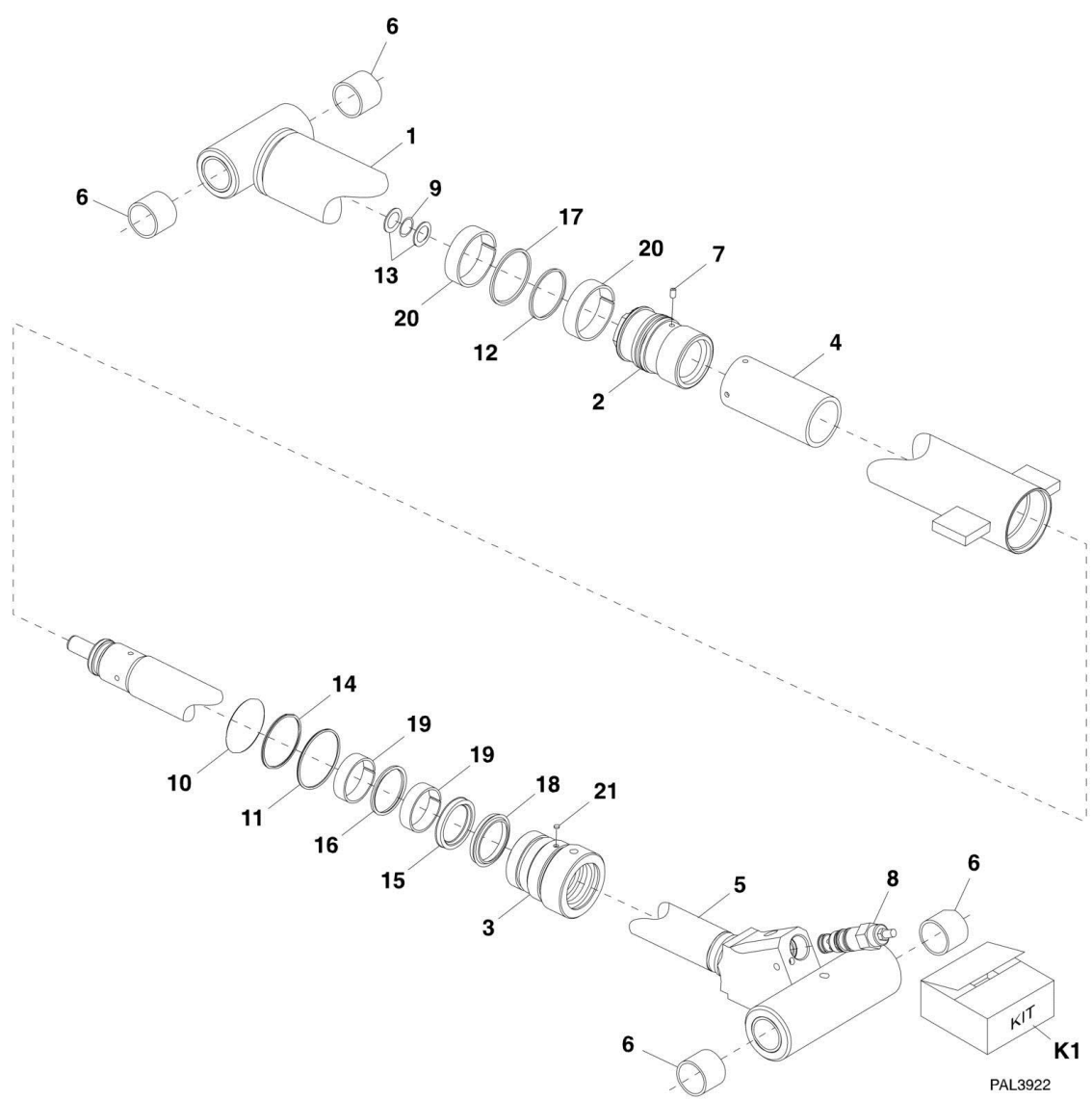
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-2. LIFT CYLINDER (2505 SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                               | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------|-----|
|      | 1001132210  | 1   | LIFT CYLINDER ASSY, (includes items 1 thru 4)                                                             | A   |
| 1    | 1001132161  | Ref | LIFT CYLINDER, (not available to order, use 1001132210 for replacement or items 101 thru 120 for service) | A   |
| 2    | 1001132207  | 1   | FLOW CONTROL VALVE, (torque to 30-35 lb-ft)                                                               |     |
| 3    | 1001132208  | 1   | CHECK VALVE, (torque to 20-25 lb-ft)                                                                      |     |
| 4    | 1001132209  | 1   | COUNTERBALANCE VALVE, (torque to 45-50 lb-ft)                                                             |     |
| 101  | 70020370    | 4   | BUSHING                                                                                                   |     |
| 102  | 70023973    | 1   | CYLINDER BARREL                                                                                           |     |
| 103  | 70020372    | 1   | PISTON                                                                                                    |     |
| 104  | 70020373    | 1   | HEAD GLAND                                                                                                |     |
| 105  | 70023974    | 1   | CYLINDER ROD                                                                                              |     |
| 106  | 8036629     | 3   | SET SCREW, 3/8-16X3/4                                                                                     |     |
| 107  | 70020375    | 2   | GREASE FITTING                                                                                            |     |
| 111  | Kit         | 1   | O-RING                                                                                                    |     |
| 112  | Kit         | 1   | O-RING                                                                                                    |     |
| 113  | Kit         | 1   | O-RING                                                                                                    |     |
| 114  | Kit         | 1   | BACK-UP RING                                                                                              |     |
| 115  | Kit         | 1   | DISO-PAC                                                                                                  |     |
| 116  | Kit         | 1   | DZR SEAL                                                                                                  |     |
| 117  | Kit         | 1   | ROD WIPER                                                                                                 |     |
| 118  | Kit         | 1   | PRECISION WEARBAND                                                                                        |     |
| 119  | Kit         | 2   | PRECISION WEARBAND WITH OIL SLOTS                                                                         |     |
| 120  | Kit         | 2   | LOCKING INSERT                                                                                            |     |
| K1   | 70020377    | 1   | SEAL KIT, (includes items 111 thru 120)                                                                   |     |

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FIGURE 9-3. EXTEND/RETRACT CYLINDER



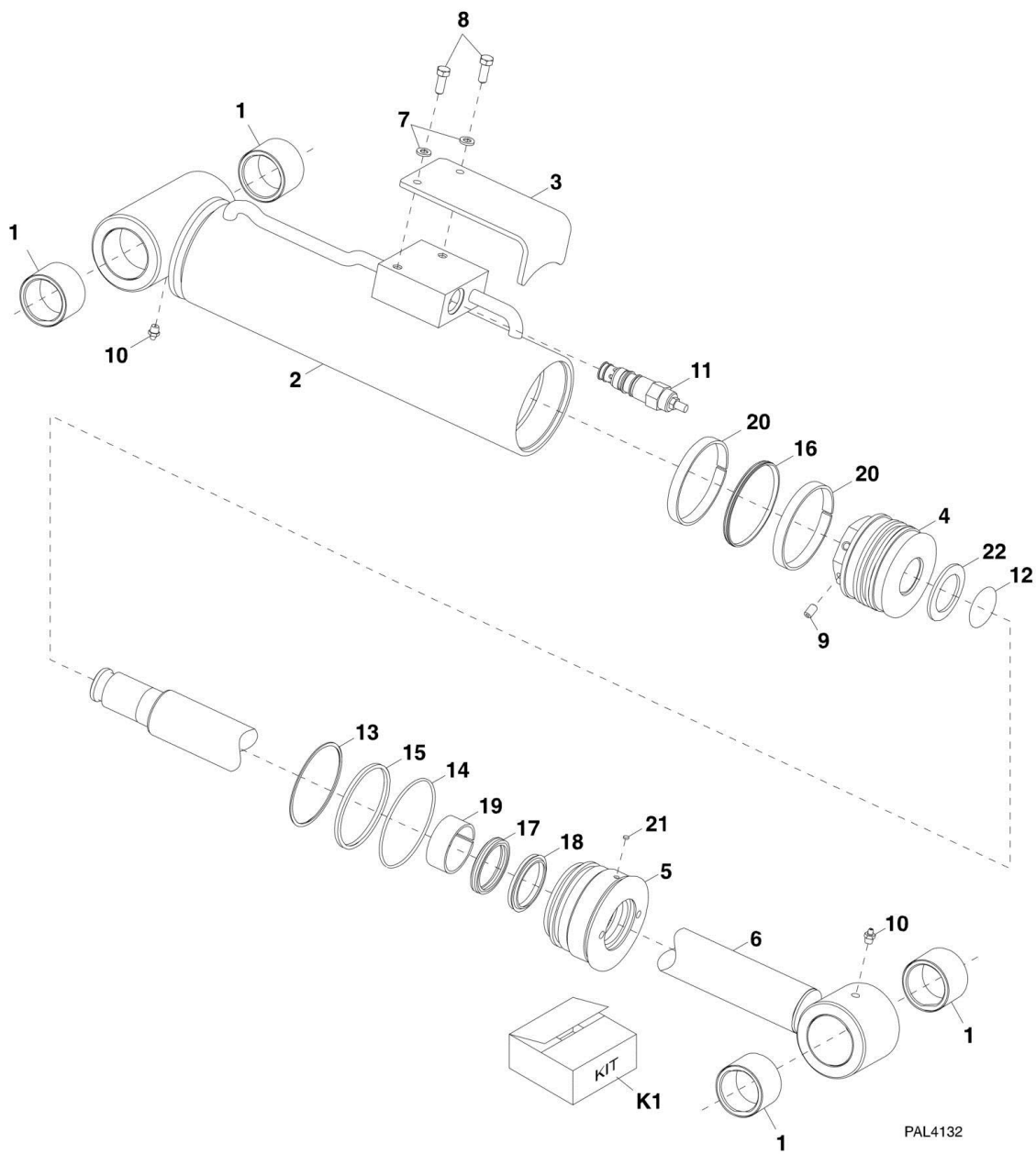
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-3. EXTEND/RETRACT CYLINDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                   | REV |
|------|-------------|-----|-----------------------------------------------|-----|
|      | 1684517     | 1   | EXTEND/RETRACT CYLINDER, (includes all items) | C   |
| 1    | 70020394    | 1   | CASE ASSY                                     |     |
| 2    | 70020395    | 1   | PISTON                                        |     |
| 3    | 70020396    | 1   | HEAD GLAND                                    |     |
| 4    | 70020397    | 1   | ROD SPACER                                    |     |
| 5    | 70020398    | 1   | ROD                                           |     |
| 6    | 70020399    | 4   | BUSHING                                       |     |
| 7    | 70020400    | 1   | SET SCREW, 1/4-20X44                          |     |
| 8    | 70020376    | 1   | COUNTERBALANCE VALVE                          |     |
| 9    | Kit         | 1   | O-RING                                        |     |
| 10   | Kit         | 1   | O-RING                                        |     |
| 11   | Kit         | 1   | O-RING                                        |     |
| 12   | Kit         | 1   | SQUARE RING                                   |     |
| 13   | Kit         | 2   | BACKUP RING                                   |     |
| 14   | Kit         | 1   | BACKUP RING                                   |     |
| 15   | Kit         | 1   | U-CUP                                         |     |
| 16   | Kit         | 1   | BUFFER SEAL                                   |     |
| 17   | Kit         | 1   | PISTON SEAL                                   |     |
| 18   | Kit         | 1   | ROD WIPER                                     |     |
| 19   | Kit         | 2   | PRECISION WEARBAND                            |     |
| 20   | Kit         | 2   | PRECISION WEARBAND                            |     |
| 21   | Kit         | 2   | LOCKING INSERT                                |     |
| K1   | 70020401    | 1   | SEAL KIT, (includes items 9 thru 21)          |     |

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FIGURE 9-4. TILT CYLINDER



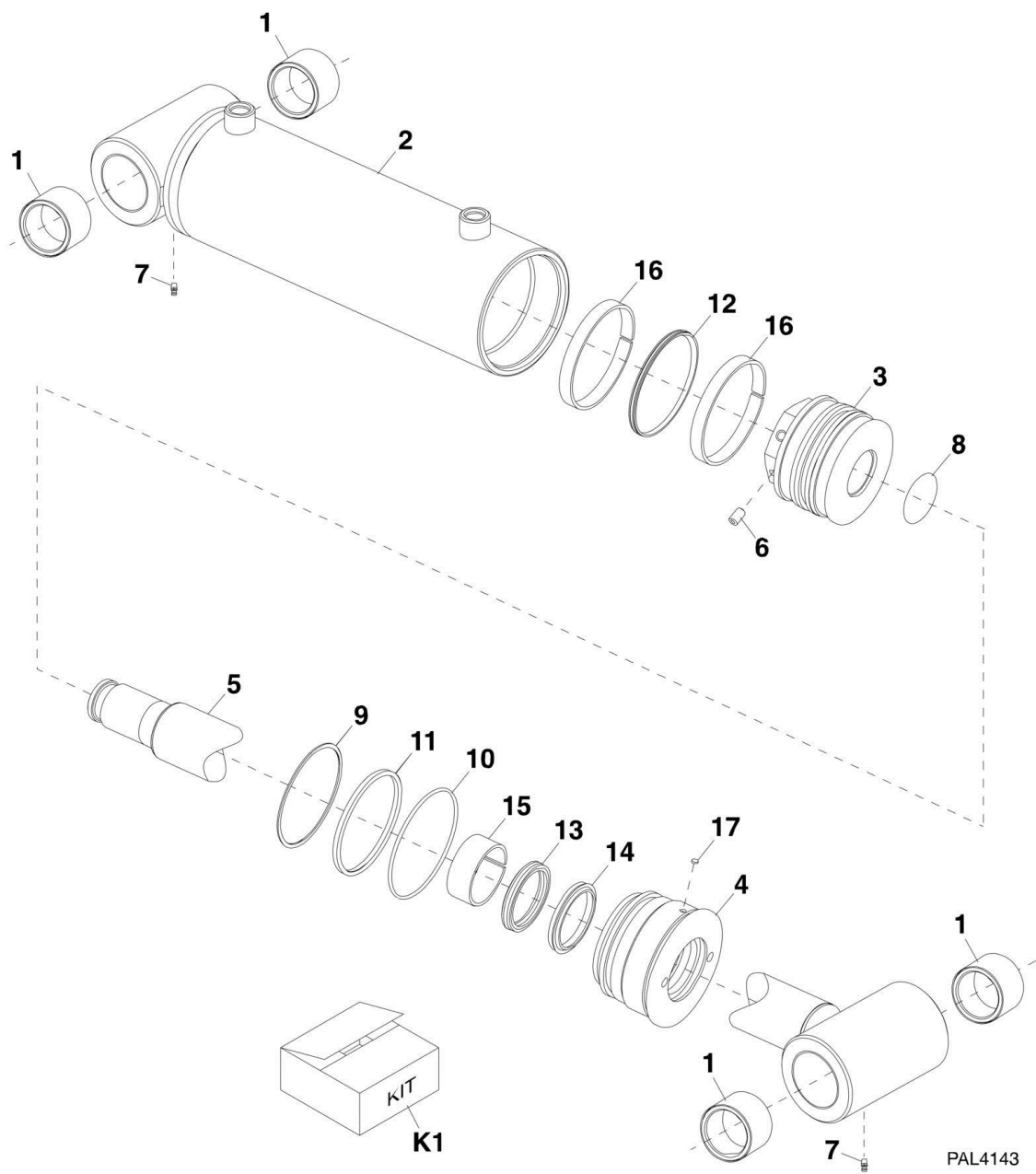
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-4. TILT CYLINDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                           | REV |
|------|-------------|-----|---------------------------------------|-----|
|      | 1684515     | 1   | TILT CYLINDER, (includes all items)   | E   |
| 1    | 70020370    | 4   | BUSHING                               |     |
| 2    | 70020378    | 1   | CASE ASSY                             |     |
| 3    | 70020379    | 1   | PROTECTIVE COVER                      |     |
| 4    | 70020380    | 1   | PISTON                                |     |
| 5    | 70020381    | 1   | HEAD GLAND                            |     |
| 6    | 70020382    | 1   | ROD                                   |     |
| 7    | 8035767     | 2   | SPRING LOCKWASHER, 3/8                |     |
| 8    | 70020384    | 2   | HEX HD CAPSCREW, 3/8-16X1             |     |
| 9    | 8036633     | 3   | SET SCREW, 3/8-16X0.63                |     |
| 10   | 70020375    | 2   | LUBE FITTING                          |     |
| 11   | 70020376    | 1   | COUNTERBALANCE VALVE                  |     |
| 12   | Kit         | 1   | O-RING                                |     |
| 13   | Kit         | 1   | O-RING                                |     |
| 14   | Kit         | 1   | O-RING                                |     |
| 15   | Kit         | 1   | BACKUP RING                           |     |
| 16   | Kit         | 1   | DISO-PAC                              |     |
| 17   | Kit         | 1   | DZR SEAL                              |     |
| 18   | Kit         | 1   | ROD WASHER                            |     |
| 19   | Kit         | 1   | PRECISION WEARBAND                    |     |
| 20   | Kit         | 2   | PRECISION WEARBAND                    |     |
| 21   | Kit         | 2   | LOCKING INSERT                        |     |
| K1   | 70020389    | 1   | SEAL KIT, (includes items 12 thru 21) |     |

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FIGURE 9-5. COMPENSATING CYLINDER



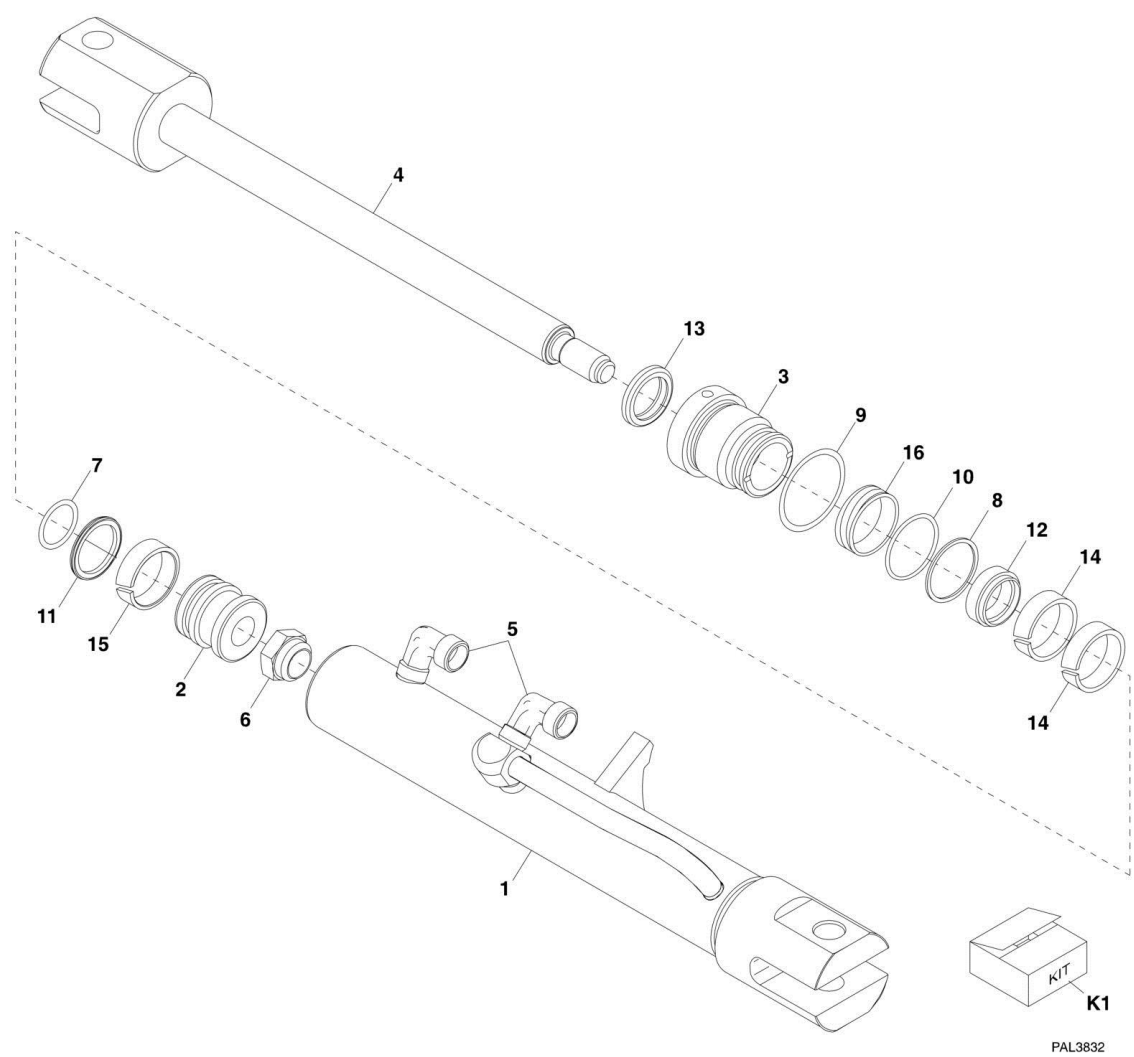
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-5. COMPENSATING CYLINDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                 | REV |
|------|-------------|-----|---------------------------------------------|-----|
|      | 1684512     | 1   | COMPENSATING CYLINDER, (includes all items) | B   |
| 1    | 70020390    | 4   | BUSHING                                     |     |
| 2    | 70020391    | 1   | CASE ASSY                                   |     |
| 3    | 70020380    | 1   | PISTON                                      |     |
| 4    | 70020381    | 1   | HEAD GLAND                                  |     |
| 5    | 70020393    | 1   | ROD                                         |     |
| 6    | 8036633     | 3   | SET SCREW, 3/8-16X0.63                      |     |
| 7    | 70020375    | 4   | LUBE FITTING, 1/8-27                        |     |
| 8    | Kit         | 1   | O-RING                                      |     |
| 9    | Kit         | 1   | O-RING                                      |     |
| 10   | Kit         | 1   | O-RING                                      |     |
| 11   | Kit         | 1   | BACK-UP RING                                |     |
| 12   | Kit         | 1   | DISO-PAC                                    |     |
| 13   | Kit         | 1   | DSR SEAL                                    |     |
| 14   | Kit         | 1   | ROD WIPER                                   |     |
| 15   | Kit         | 1   | PRECISION WEARBAND                          |     |
| 16   | Kit         | 2   | PRECISION WEARBAND                          |     |
| 17   | Kit         | 2   | LOCKING INSERT                              |     |
| K1   | 70020389    | 1   | SEAL KIT, (includes items 8 thru 17)        |     |

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FIGURE 9-6. HYDRAULIC QUICK COUPLER CYLINDER





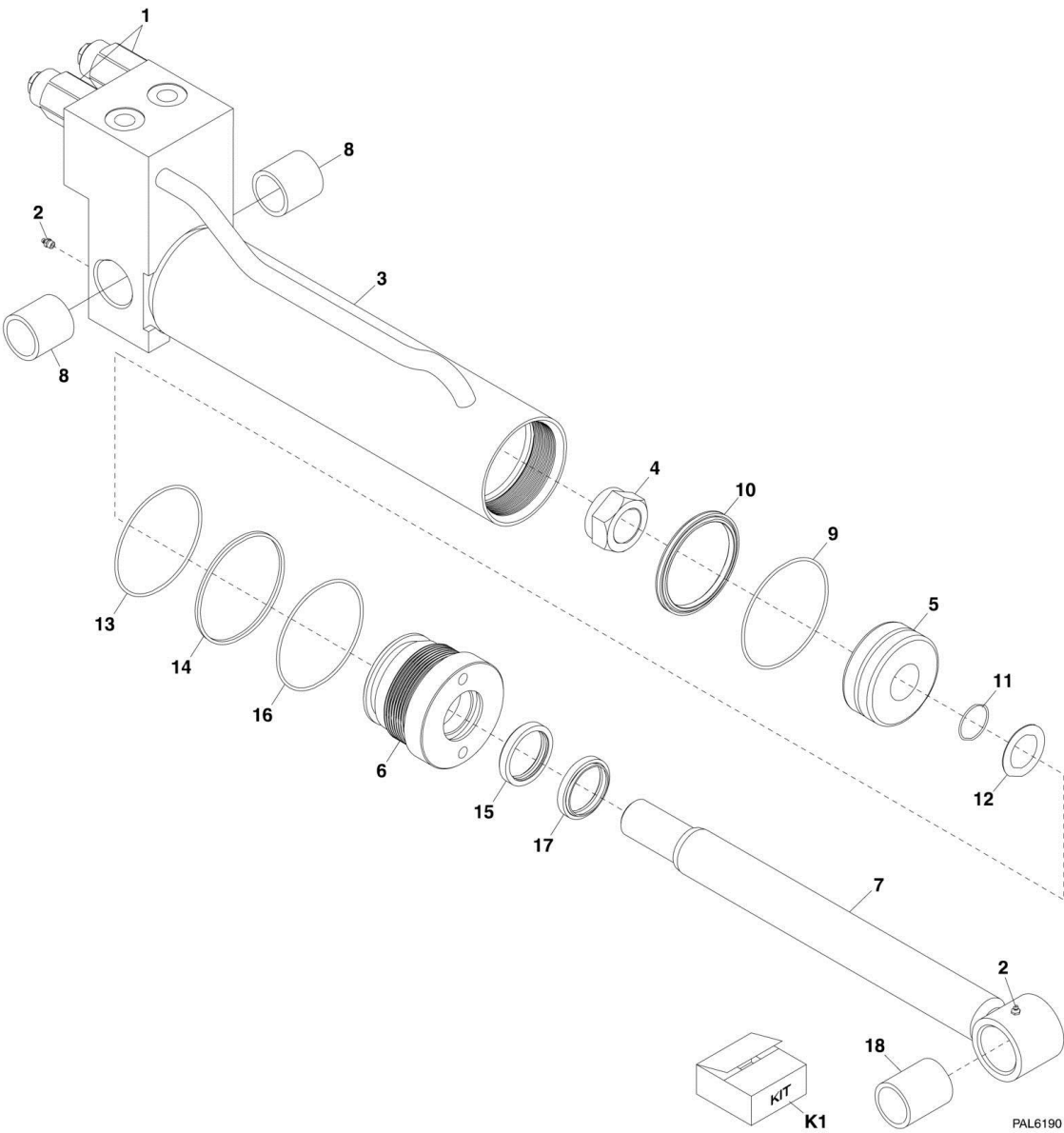
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-6. HYDRAULIC QUICK COUPLER CYLINDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                            | REV |
|------|-------------|-----|--------------------------------------------------------|-----|
|      | 1001080334  | 1   | HYDRAULIC QUICK COUPLER CYLINDER, (includes all items) | D   |
| 1    | 70021270    | 1   | CASE ASSY                                              |     |
| 2    | 70021271    | 1   | PISTON                                                 |     |
| 3    | 70021272    | 1   | HEAD GLAND                                             |     |
| 4    | 70021273    | 1   | ROD                                                    |     |
| 5    | 70021274    | 2   | ELBOW                                                  |     |
| 6    | 70021275    | 1   | LOCKNUT                                                |     |
| 7    | Kit         | 1   | O-RING                                                 |     |
| 8    | Kit         | 1   | O-RING                                                 |     |
| 9    | Kit         | 1   | O-RING                                                 |     |
| 10   | Kit         | 1   | BACK-UP RING                                           |     |
| 11   | Kit         | 1   | DISO-PAC                                               |     |
| 12   | Kit         | 1   | DEEP Z-SEAL                                            |     |
| 13   | Kit         | 1   | ROD WIPER                                              |     |
| 14   | Kit         | 2   | PRECISION WEARBAND                                     |     |
| 15   | Kit         | 1   | PRECISION WEARBAND                                     |     |
| 16   | Kit         | 1   | LOCKING INSERT                                         |     |
| K1   | 70021276    | 1   | SEAL KIT, (includes items 7 thru 16)                   |     |

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FIGURE 9-7. ROTATE/SIDE TILT CARRIAGE CYLINDER AND GRAPPLE BUCKET CYLINDER



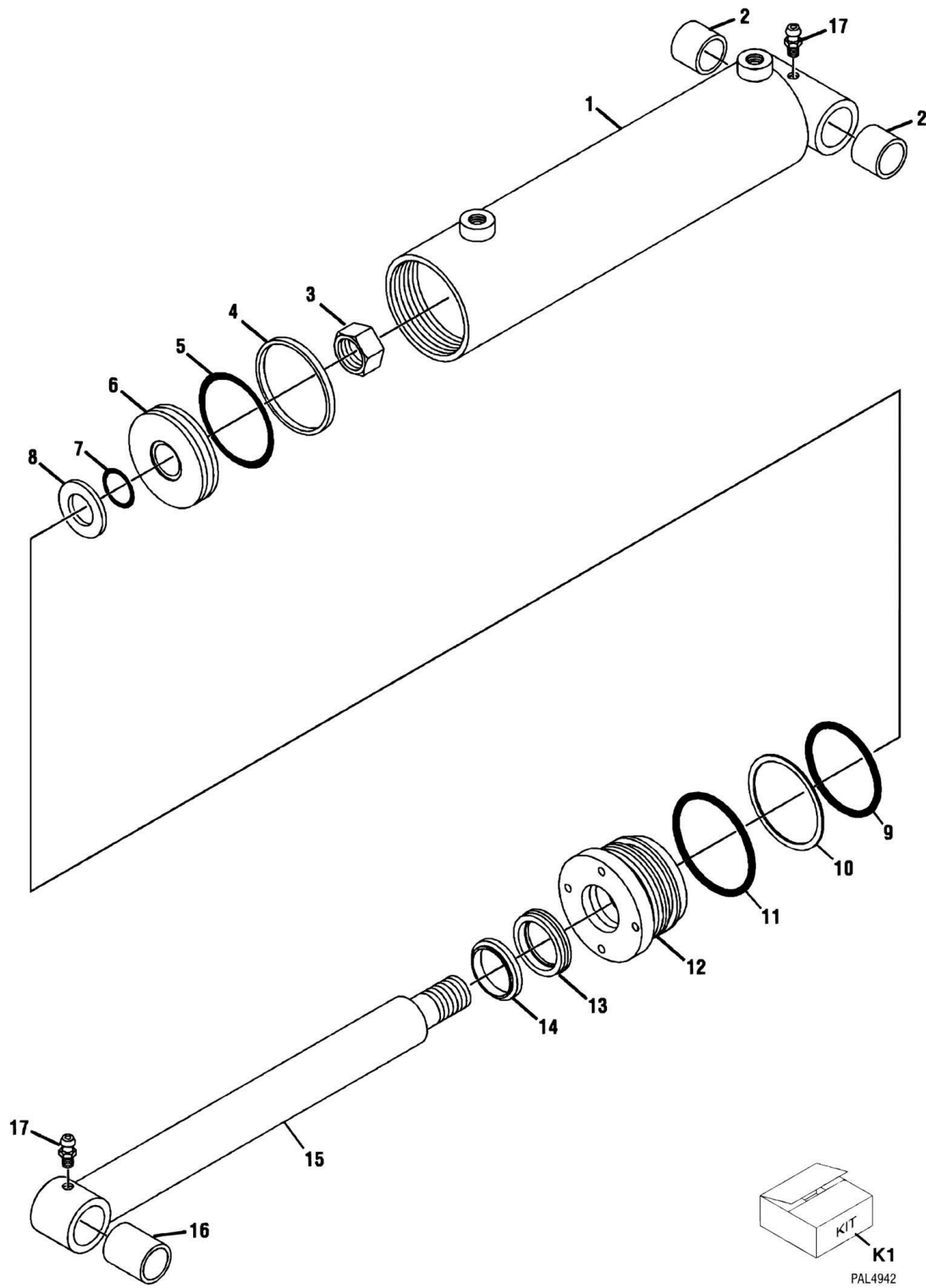
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-7. ROTATE/SIDE TILT CARRIAGE CYLINDER AND GRAPPLE BUCKET CYLINDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
|      | 7029590     | 1   | SIDE TILT CYLINDER ASSY, (G5-18A), (includes all items)                      | A   |
|      | 70021363    | 2   | GRAPPLE BUCKET CYLINDER ASSY, (G5-18A & 2505 - AUS), (includes all items)    | A   |
|      | 70021363    | 1   | UNIVERSAL TILT CYLINDER ASSY, (G5-18A), (includes all items)                 | A   |
| 1    | 70021468    | 2   | COUNTERBALANCE VALVE                                                         |     |
| 2    | 90554045    | 2   | GREASE FITTING                                                               |     |
| 3    | 70021465    | 1   | BARREL, (includes block valve), (SIDE TILT)                                  |     |
| 3    | 70021463    | 1   | BARREL, (includes block valve), (GRAPPLE BUCKET AND UNIVERSAL TILT CYLINDER) |     |
| 4    | 70021440    | 1   | HEX NUT, (torque to 244-249 lb-ft/311-338 Nm)                                |     |
| 5    | 70021451    | 2   | PISTON                                                                       |     |
| 6    | 70021446    | 1   | GLAND                                                                        |     |
| 7    | 70021445    | 1   | ROD, (SIDE TILT)                                                             |     |
| 7    | 70021462    | 1   | ROD, (GRAPPLE BUCKET AND UNIVERSAL TILT CYLINDER)                            |     |
| 8    | 70021448    | 2   | BUSHING                                                                      |     |
| 9    | Kit         | 1   | O-RING                                                                       |     |
| 10   | Kit         | 1   | PISTON RING                                                                  |     |
| 11   | Kit         | 1   | O-RING                                                                       |     |
| 12   | 70021444    | 1   | WASHER                                                                       |     |
| 13   | Kit         | 1   | O-RING                                                                       |     |
| 14   | Kit         | 1   | BACK-UP RING                                                                 |     |
| 15   | Kit         | 1   | SEAL                                                                         |     |
| 16   | Kit         | 1   | O-RING                                                                       |     |
| 17   | Kit         | 1   | ROD WIPER                                                                    |     |
| 18   | 70021447    | 1   | BUSHING                                                                      |     |
| K1   | 70021452    | 1   | SEAL KIT, (includes items 9 thru 11 & 13 thru 17)                            |     |

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FIGURE 9-8. UNIVERSAL SIDE SHIFT CYLINDER



## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-8. UNIVERSAL SIDE SHIFT CYLINDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------|-----|
|      | 70022108    | 1   | SIDE SHIFT CYLINDER, (G5-18A & 2505 - AUS), (includes all items) | A   |
| 1    | 70022113    | 1   | CYLINDER BARREL                                                  |     |
| 2    | 70021448    | 2   | BUSHING                                                          |     |
| 3    | 70021440    | 1   | HEX NUT                                                          |     |
| 4    | Kit         | 1   | PISTON RING                                                      |     |
| 5    | Kit         | 1   | O-RING                                                           |     |
| 6    | 70021451    | 1   | PISTON                                                           |     |
| 7    | Kit         | 1   | O-RING                                                           |     |
| 8    | 70021444    | 1   | WASHER                                                           |     |
| 9    | Kit         | 1   | O-RING                                                           |     |
| 10   | Kit         | 1   | BACK-UP RING                                                     |     |
| 11   | Kit         | 1   | O-RING                                                           |     |
| 12   | 70021446    | 1   | GLAND                                                            |     |
| 13   | Kit         | 1   | POLY-PAK SEAL                                                    |     |
| 14   | Kit         | 1   | ROD WIPER                                                        |     |
| 15   | 70021462    | 1   | CYLINDER ROD                                                     |     |
| 16   | 70021447    | 1   | BUSHING                                                          |     |
| 17   | 90554045    | 2   | GREASE FITTING                                                   |     |
| K1   | 70021452    | 1   | SEAL KIT, (includes items 4, 5, 7, 9 thru 11, 13 & 14)           |     |

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**G5-18A,2505**



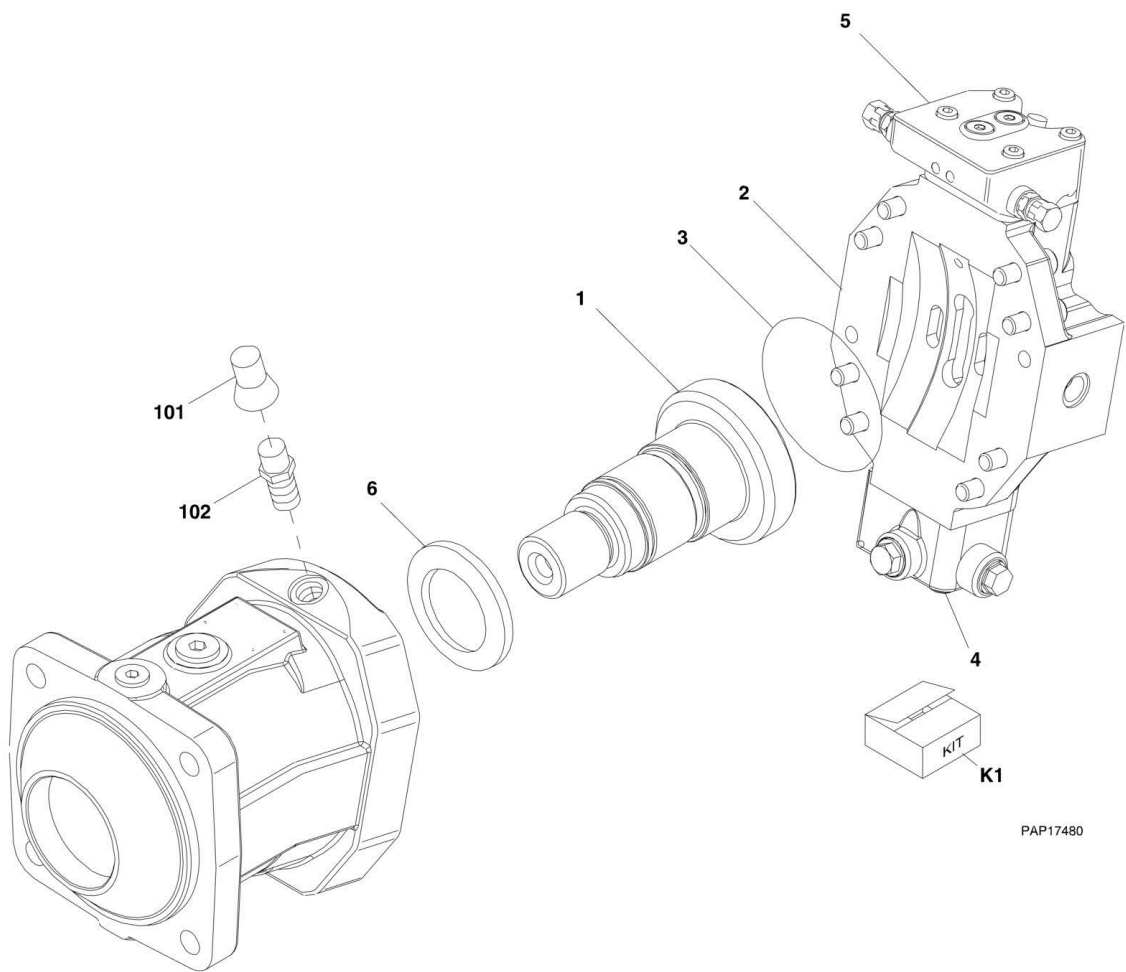
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-9. MAIN CONTROL VALVE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                   | REV |
|------|-------------|-----|---------------------------------------------------------------|-----|
|      | 1001080176  | 1   | MAIN CONTROL VALVE WITH AUX, (includes items 1 thru 18)       | B   |
| 1    | 91084008    | 1   | LH END COVER ASSY, (includes items 7 & 8)                     |     |
| 2    | 91404182    | 1   | LIFT VALVE SECTION ASSY, (includes items 9 thru 13)           |     |
| 3    | 70020718    | 1   | TILT VALVE SECTION ASSY, (includes items 9 thru 15)           |     |
| 4    | 70020719    | 1   | AUX VALVE SECTION ASSY, (includes items 9 thru 11, 14 & 15)   |     |
| 5    | 91404186    | 1   | CROWD VALVE SECTION ASSY, (includes items 9 thru 11, 14 & 15) |     |
| 6    | 91084278    | 1   | RH END COVER ASSY, (includes item 16)                         |     |
| 7    | 70021543    | 1   | RELIEF VALVE, 3500 PSI 20GPM                                  |     |
| 8    | 70020716    | 1   | MAIN RELIEF SEAL KIT                                          |     |
| 9    | 91094023    | 4   | HYD REMOTE POSITIONER                                         |     |
| 10   | 91094024    | 4   | HYD REMOTE POSITIONER                                         |     |
| 11   | 91084233    | 8   | SEAL                                                          |     |
| 12   | 91084010    | 3   | LOAD CHECK PLUG                                               |     |
| 13   | 7029865     | 3   | PLUG SEAL KIT                                                 |     |
| 14   | 70021459    | 1   | RELIEF CARTRIDGE, 3800PSI 20GPM                               |     |
| 15   | 70021352    | 4   | RELIEF CARTRIDGE, 3800PSI 10GPM                               |     |
| 16   | 70020717    | 5   | RELIEF CARTRIDGE SEAL KIT                                     |     |
| 17   | 91084279    | 1   | PLUG                                                          |     |
| 18   | 91084019    | 1   | BOLT ASSY                                                     |     |
| 101  | 4891500     | 3   | WASHER, 5/16                                                  |     |
| 102  | 0641522     | 3   | HEX HD CAPSCREW, 5/16-18X2-3/4, GR5                           |     |
| K1   | 70022921    | 1   | COMPLETE VALVE SEAL KIT                                       |     |

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FIGURE 9-10. FRONT DRIVE MOTOR



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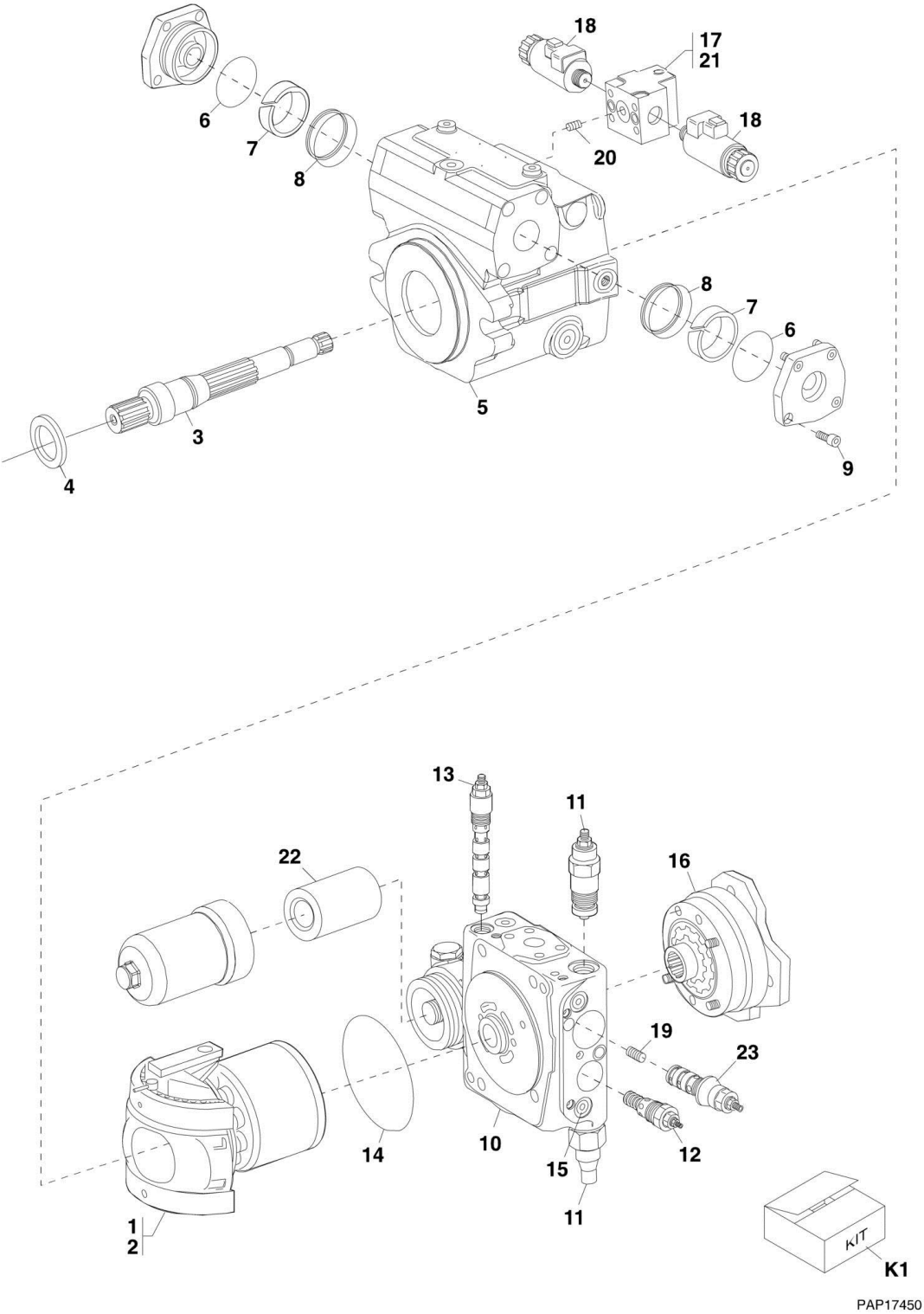
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-10. FRONT DRIVE MOTOR**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                   | REV |
|------|-------------|-----|---------------------------------------------------------------|-----|
|      | 3160335     | 1   | FRONT DRIVE MOTOR, (includes items 1 thru 6)                  | B   |
| 1    | 7028798     | 1   | ROTARY GROUP                                                  |     |
| 2    | 70020311    | 1   | CONTROL ASSY                                                  |     |
| 3    | 70020715    | 1   | SHAFT SEAL RING                                               |     |
| 4    | 70020312    | 1   | CONTROL                                                       |     |
| 5    | 7028818     | 1   | FLUSH VALVE                                                   |     |
| 6    | Kit         | 1   | O-RING                                                        | A   |
|      | 1001081427  | 1   | SPEED LIMITING SCREW INSTALLATION, (includes items 101 & 102) |     |
| 101  | 91143223    | 1   | TAMPERROOF CAP                                                |     |
| 102  | 1001081428  | 1   | DISPLACEMENT ADJUST SCREW                                     |     |
| K1   | 7028803     | 1   | SEAL KIT, (includes item 6 & other items not shown)           |     |

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FIGURE 9-11. HYDROSTATIC TRANSMISSION



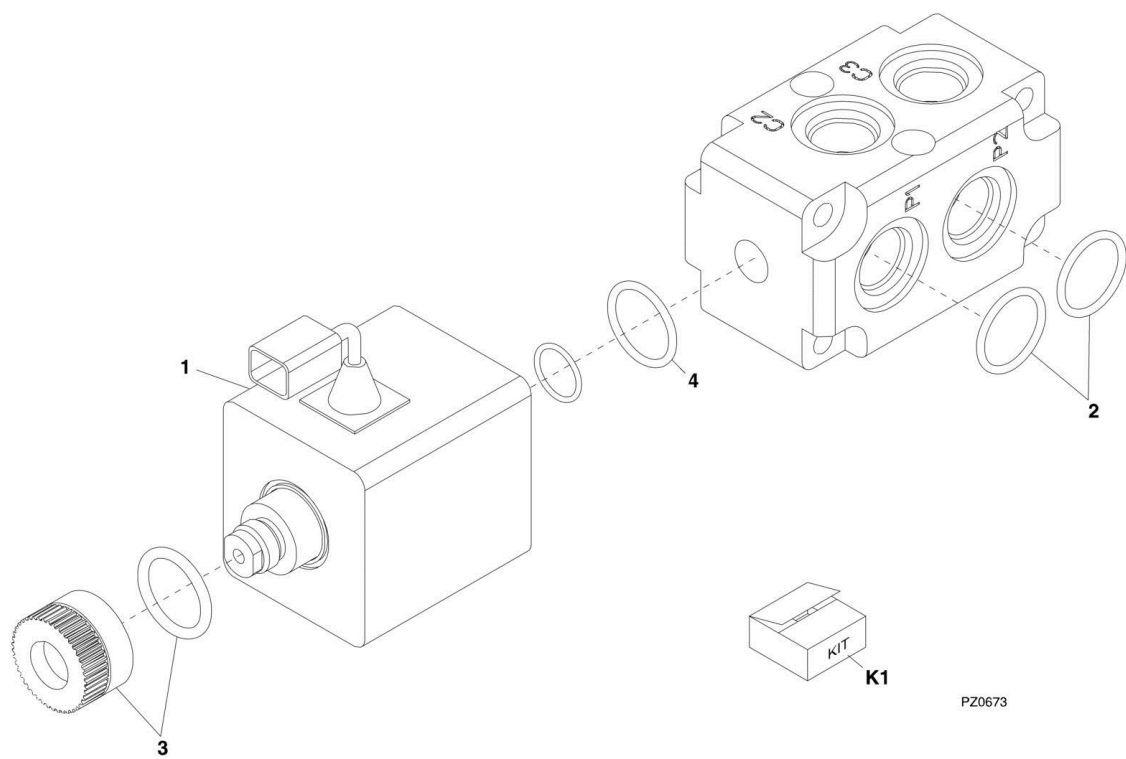
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-11. HYDROSTATIC TRANSMISSION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                              | REV |
|------|-------------|-----|--------------------------------------------------------------------------|-----|
|      | 1001080043  | 1   | HYDROSTATIC TRANSMISSION PUMP, (includes all items)                      | B   |
| 1    | 70020325    | 1   | ROTARY GROUP ASSY, (includes items 2 thru 4)                             |     |
| 2    | 70020862    | 1   | ROTARY GROUP                                                             |     |
| 3    | 70020314    | 1   | DRIVESHAFT                                                               |     |
| 4    | 70020863    | 1   | SHAFT SEAL                                                               |     |
| 5    | 70020860    | 1   | HYDRAULIC CONTROL                                                        |     |
| 6    | Kit         | 2   | O-RING                                                                   |     |
| 7    | Kit         | 2   | GUIDE RING                                                               |     |
| 8    | Kit         | 2   | TURCON-GLYD RING AND O-RING                                              |     |
| 9    | Kit         | 8   | SOCKET HD SCREW, M8X16                                                   |     |
| 10   | 70020326    | 1   | PORT PLATE W/VALVE, (includes items 11 thru 15)                          |     |
| 11   | 70020328    | 2   | RELIEF VALVE                                                             |     |
| 12   | 70020329    | 1   | RELIEF VALVE                                                             |     |
| 13   | 70020327    | 1   | PRESSURE OVERRIDE VALVE                                                  |     |
| 14   | Kit         | 1   | O-RING                                                                   |     |
| 15   | Kit         | 2   | LOCKING SCREW                                                            |     |
| 16   | 70020330    | 1   | INTERNAL GEAR PUMP ASSY                                                  |     |
| 17   | 7028875     | 1   | 4/3-WAY DIRECTIONAL VALVE, (includes items 18)                           |     |
| 18   | 7028876     | 1   | SOLENOID PAIR                                                            |     |
| 19   | 70020861    | 1   | THROTTLE SCREW                                                           |     |
| 20   | 70020324    | 1   | THROTTLE SCREW                                                           |     |
| 21   | 7024085     | 1   | GASKET                                                                   |     |
| 22   | 70020333    | 1   | FILTER CARTRIDGE                                                         |     |
| 23   | 91144099    | 1   | DA CONTROL CARTRIDGE                                                     |     |
| K1   | 70020339    | 1   | SEAL KIT, (includes items 6 thru 9, 14, 15 & additional items not shown) |     |

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-12. DIVERTOR VALVE (Prior to SN 0160037453)



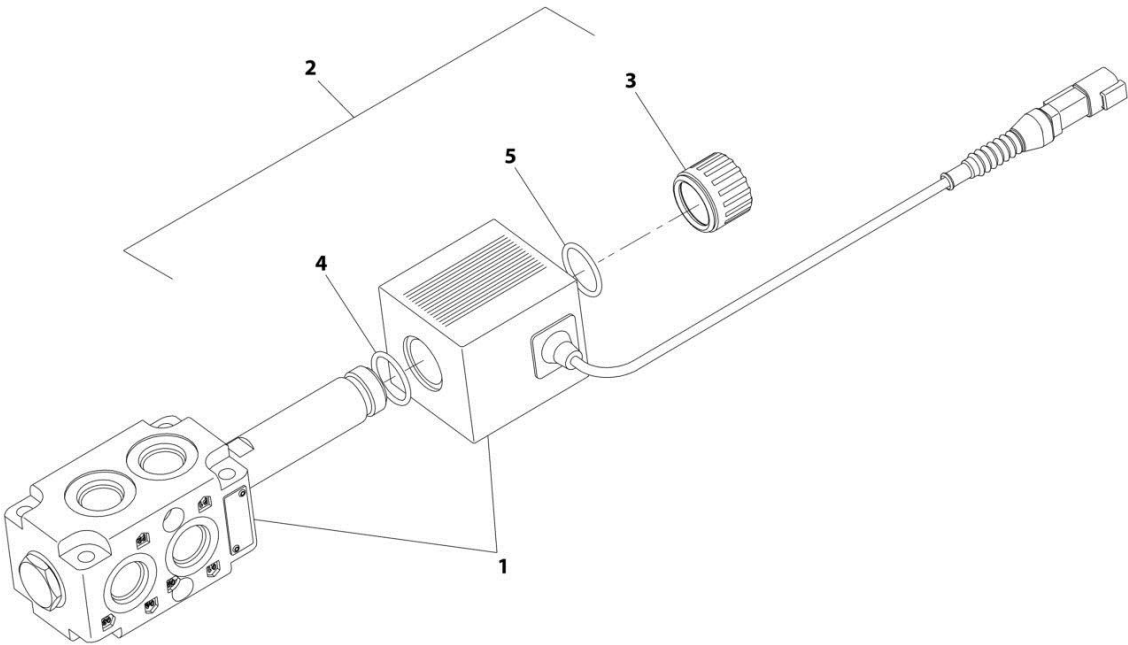
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-12. DIVERTOR VALVE (Prior to SN 0160037453)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                              | REV |
|------|-------------|-----|------------------------------------------|-----|
|      | 1001006487  | 1   | DIVERTOR VALVE, (includes all items)     | E   |
| 1    | 70020764    | 1   | COIL                                     |     |
| 2    | Kit         | 2   | O-RING                                   |     |
| 3    | 70020766    | 1   | RETAINER KIT, (includes o-rings and nut) |     |
| 4    | Kit         | 1   | O-RING                                   |     |
| K1   | 70020765    | 1   | SEAL KIT, (includes items 2 & 4)         |     |

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FIGURE 9-13. DIVERTOR VALVE (SN 0160037453 to Present)



ART\_1001104477-D

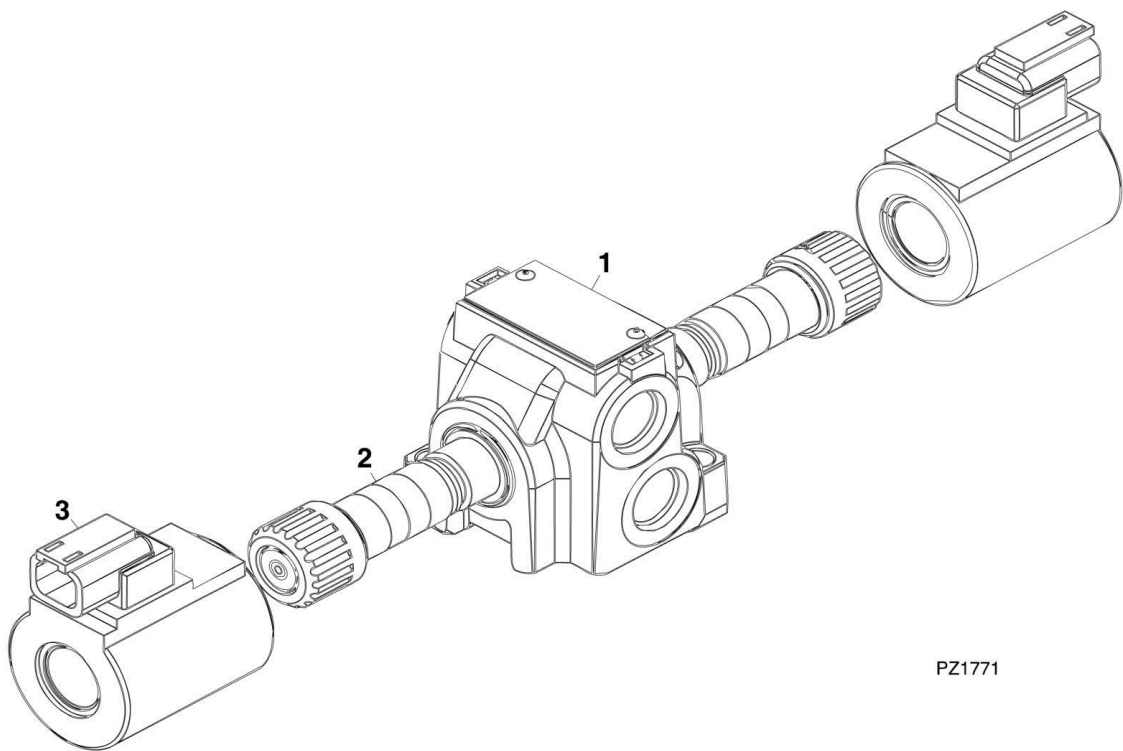
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-13. DIVERTOR VALVE (SN 0160037453 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION    | REV |
|------|-------------|-----|----------------|-----|
|      | 1001104477  | Ref | DIVERTOR VALVE | D   |
| 1    | 70020764    | 1   | COIL           |     |
| 2    | 70021531    | 1   | KIT, RETAINER  |     |
| 3    | N.S.S.      | 1   | NUT            |     |
| 4    | N.S.S.      | 1   | O-RING         |     |
| 5    | N.S.S.      | 1   | O-RING         |     |

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FIGURE 9-14. STEERING SELECT VALVE



PZ1771



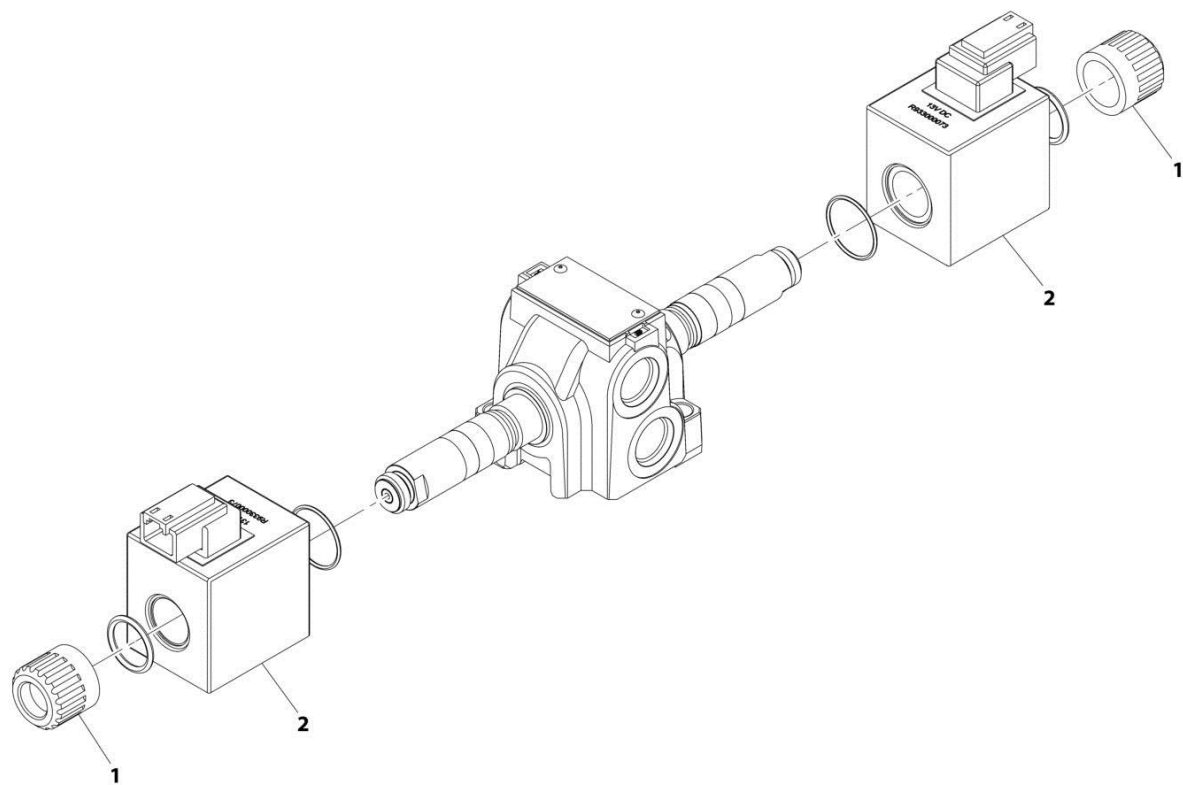
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-14. STEERING SELECT VALVE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
|      | 4641519     | NLA | STEERING SELECT VALVE, (no longer available, use 1001153748 for replacement) | C   |
| 1    | 70020866    | 1   | VALVE BODY                                                                   |     |
| 2    | 70020867    | 2   | SEAL KIT                                                                     |     |
| 3    | 70020868    | 2   | COIL                                                                         |     |

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-15. STEERING SELECT VALVE



ART\_1001153748-C

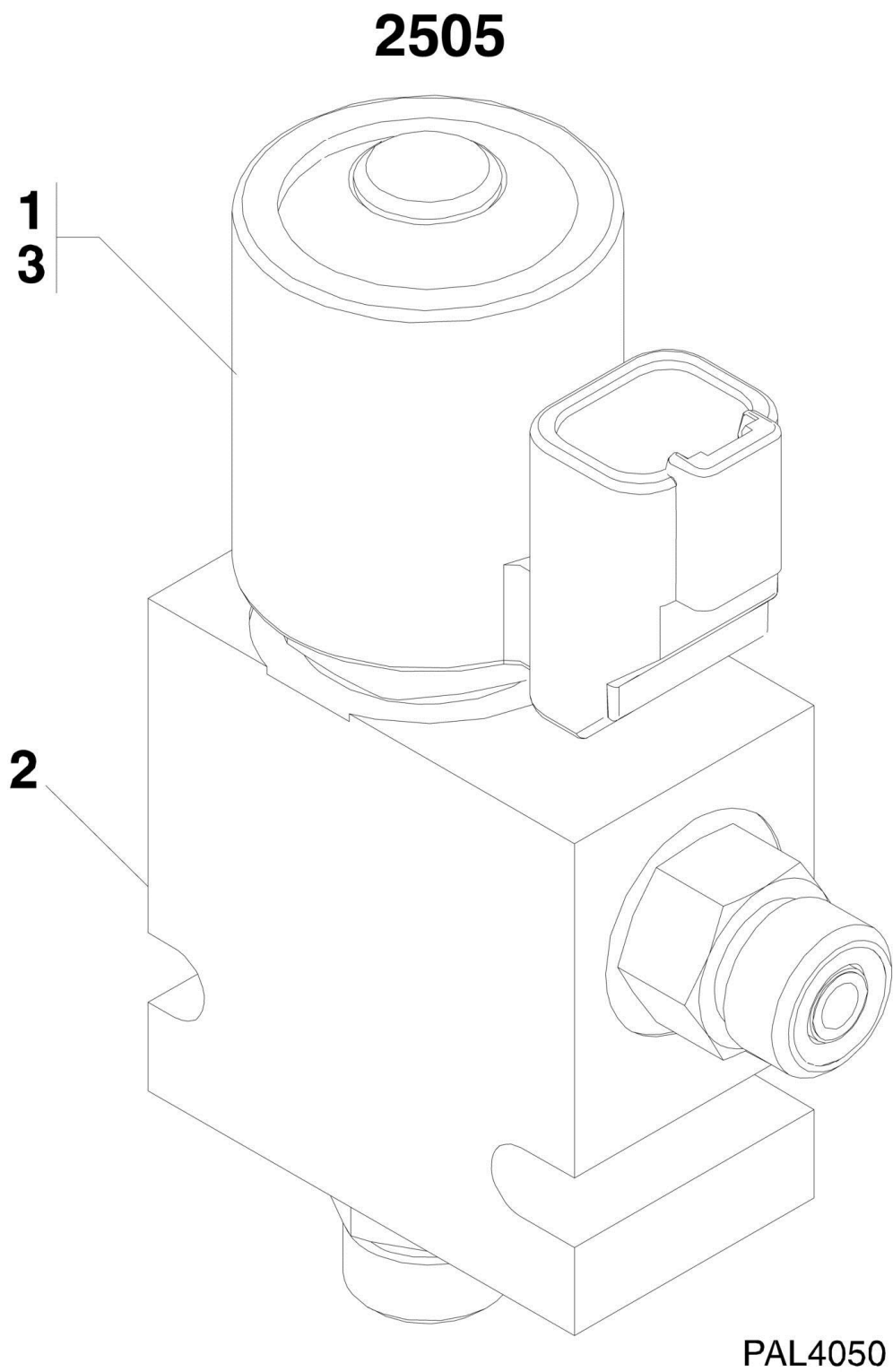
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-15. STEERING SELECT VALVE**

| ITEM | PART NUMBER | QTY | DESCRIPTION            | REV |
|------|-------------|-----|------------------------|-----|
|      | 1001153748  | Ref | STEER SELECT VALVE     | C   |
| 1    | 70020867    | 2   | KIT, RETAINER, W/SEALS |     |
| 2    | 70026582    | 2   | COIL                   |     |

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FIGURE 9-16. BLOCKING VALVE - 2505 (Prior to SN 0160042694)



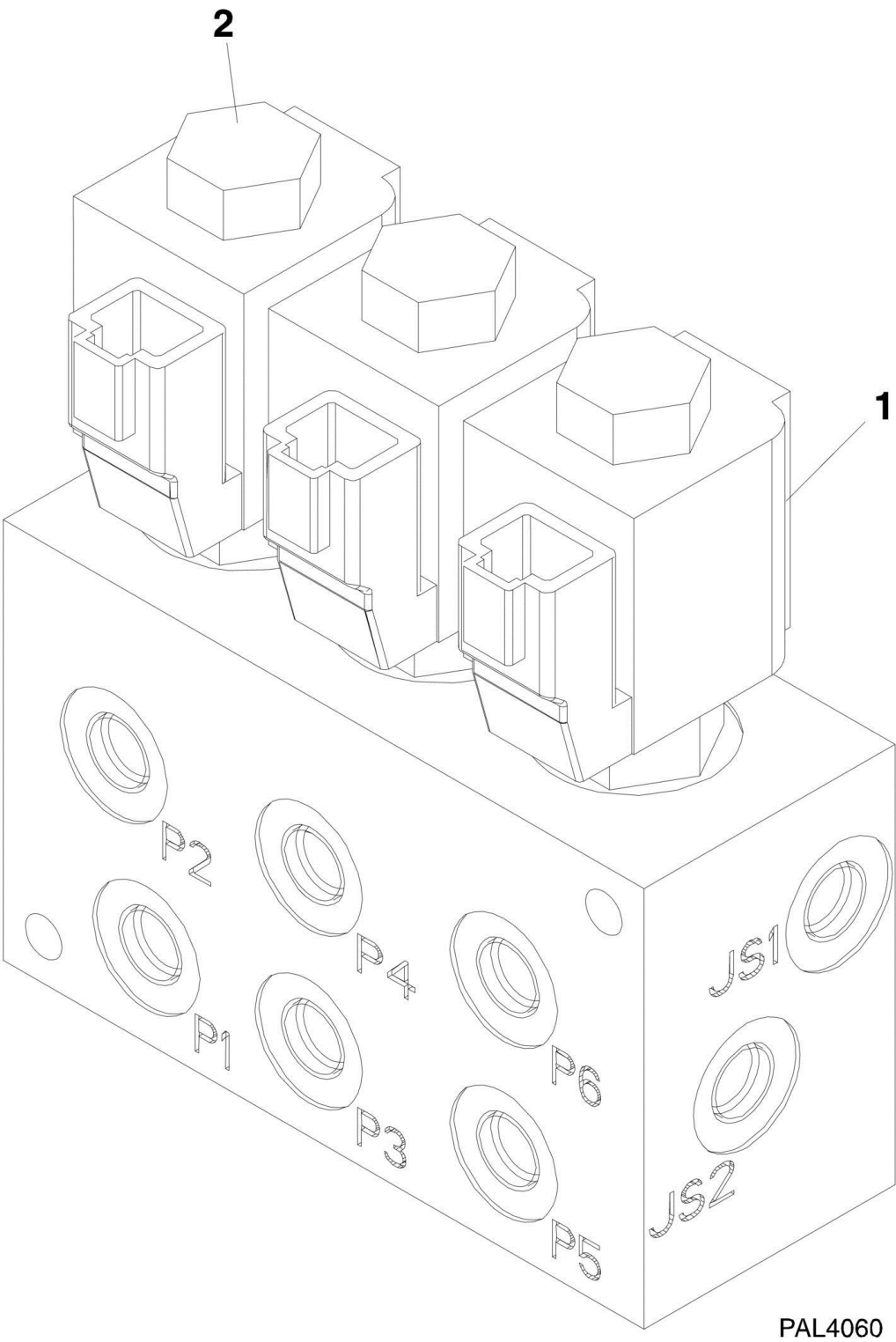
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-16. BLOCKING VALVE - 2505 (Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                 | REV |
|------|-------------|-----|---------------------------------------------|-----|
|      | 1001080353  | 1   | BLOCKING VALVE - 2505, (includes all items) | B   |
| 1    | 70021266    | 1   | CARTRIDGE, (includes item 3)                |     |
| 1    | 7012953     | 1   | SEAL KIT                                    |     |
| 2    | 70021267    | 1   | BODY                                        |     |
| 3    | 7024885     | 1   | COIL                                        |     |

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FIGURE 9-17. PILOT SELECT VALVE (G5-18A Prior to SN 0160042093; 2505 Prior to SN 0160042694)



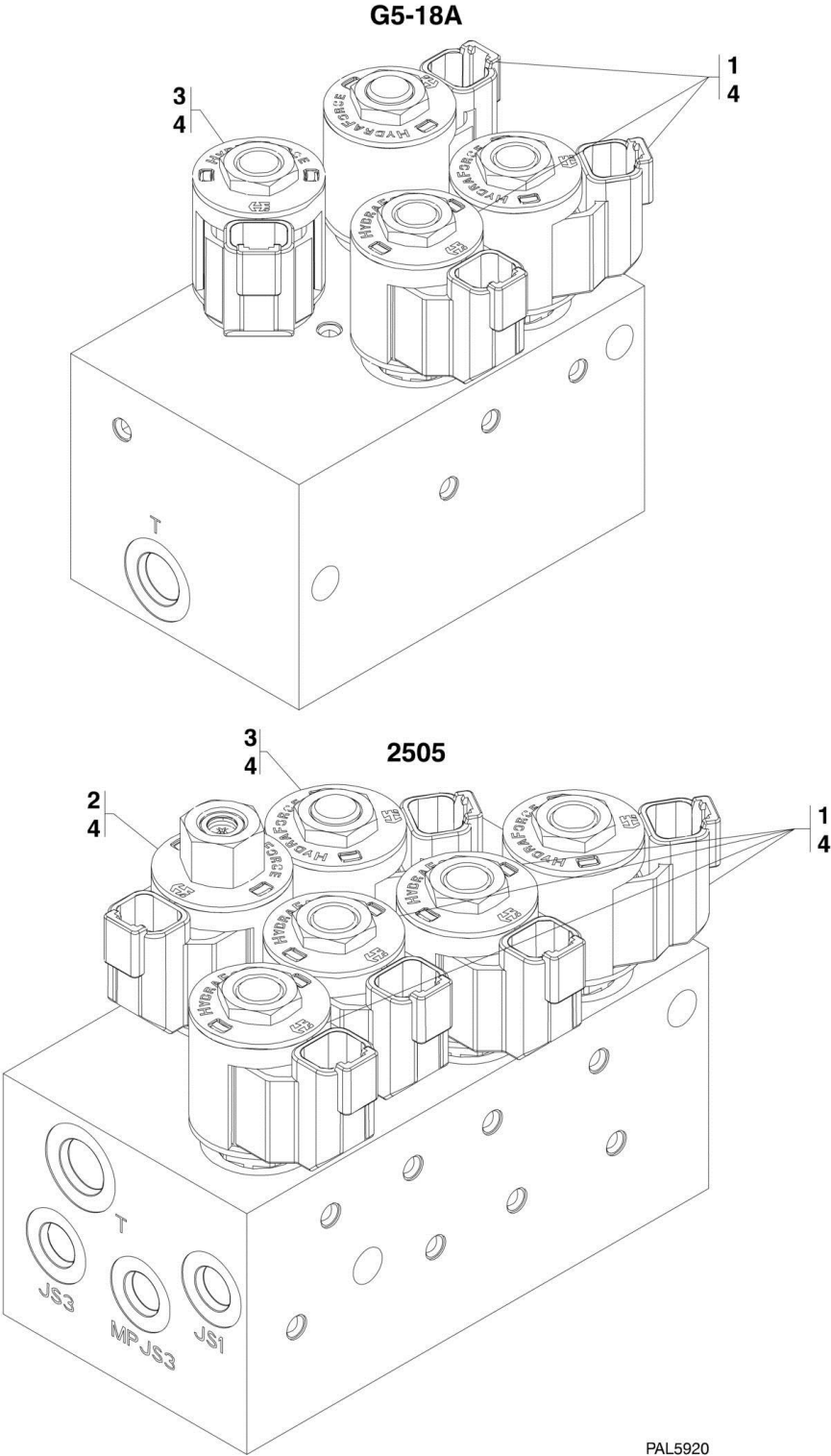
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-17. PILOT SELECT VALVE (G5-18A Prior to SN 0160042093; 2505 Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                              | REV |
|------|-------------|-----|------------------------------------------|-----|
|      | 1001098088  | 1   | PILOT SELECT VALVE, (includes all items) | D   |
| 1    | 70021054    | 3   | SOLENOID VALVE                           |     |
| 2    | 70021055    | 3   | COIL                                     |     |

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FIGURE 9-18. PILOT SELECT VALVE (G5-18A SN 0160042093 to Present; 2505 SN 0160042694 to Present)



PAL5920



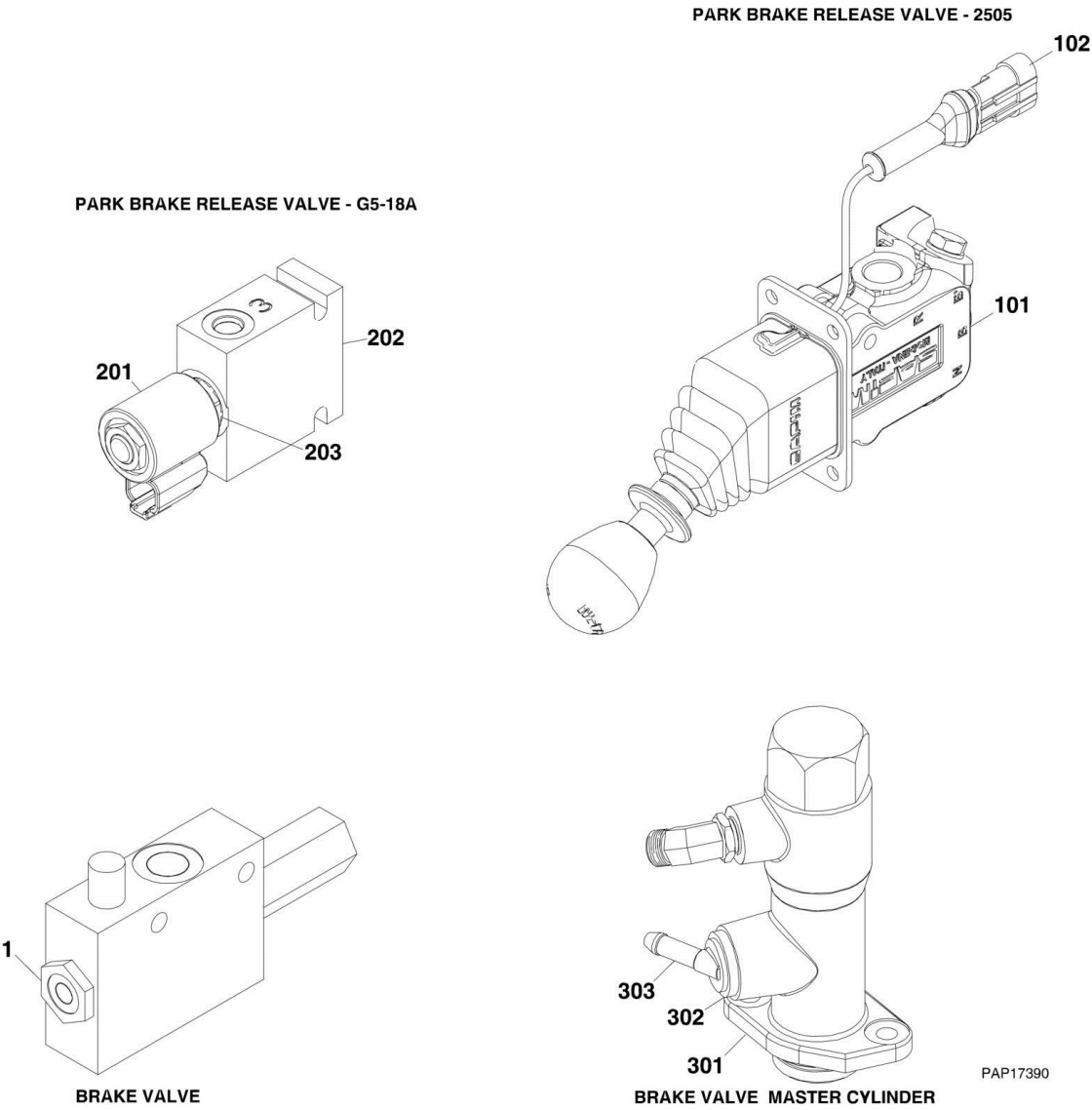
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-18. PILOT SELECT VALVE (G5-18A SN 0160042093 to Present; 2505 SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                 | REV |
|------|-------------|-----|-------------------------------------------------------------|-----|
|      | 1001130178  | 1   | PILOT SELECT VALVE, (G5-18A), (includes items 1, 3 thru 5)  | A   |
|      | 1001132342  | 1   | PILOT SELECT VALVE, (2505), (includes items 1 thru 6)       | A   |
| 1    | 1101244     | 3   | DIRECTIONAL VALVE, (G5-18A), (torque to 20 lb-ft)           |     |
| 1    | 8033761     | 3   | SEAL KIT                                                    |     |
| 1    | 1101244     | 4   | DIRECTIONAL VALVE, (2505), (torque to 20 lb-ft)             |     |
| 1    | 8033761     | 4   | SEAL KIT                                                    |     |
| 2    | 70023945    | 1   | PROPORTIONAL VALVE, (2505), (torque to 20 lb-ft)            |     |
| 3    | 70023946    | 1   | DIRECTIONAL VALVE, (torque to 20 lb-ft)                     |     |
| 4    | 70002386    | 4   | COIL, (G5-18A), (torque to 5 lb-ft)                         |     |
| 4    | 70002386    | 6   | COIL, (2505), (torque to 5 lb-ft)                           |     |
| 5    | 10837580    | 1   | LOAD SENSE CHECK VALVE, (torque to 20 lb-ft), (not shown)   |     |
| 5    | 7010543     | 1   | SEAL KIT                                                    |     |
| 6    | 70002064    | 1   | ORIFICE, 0.047 IN, (2505), (torque to 4 lb-ft), (not shown) |     |

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-19. BRAKE VALVES



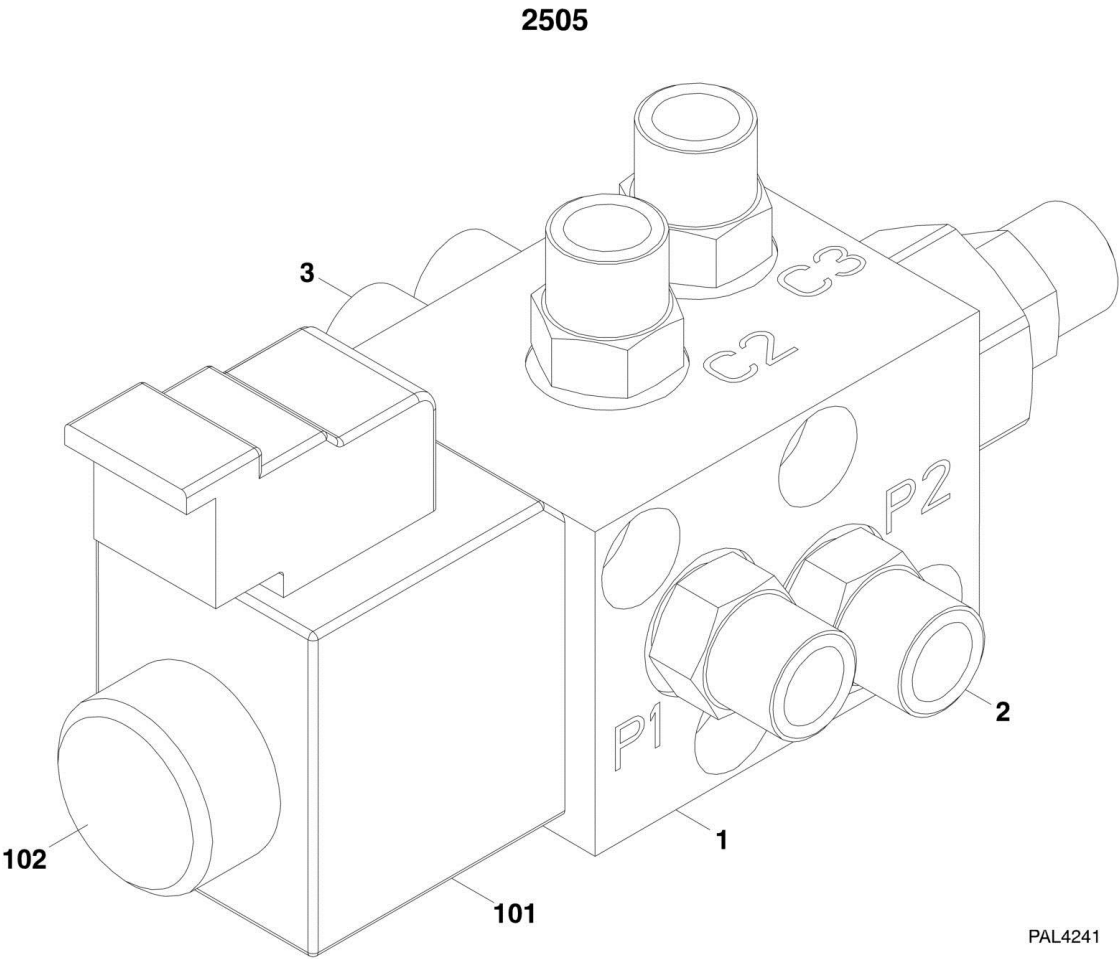
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-19. BRAKE VALVES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                       | REV |
|------|-------------|-----|-------------------------------------------------------------------|-----|
| 1    | 4641474     | 1   | BRAKE VALVE, (inching valve)                                      | D   |
|      | 70020921    | 1   | SEAL KIT                                                          |     |
|      | 1001098153  | 1   | PARK BRAKE RELEASE VALVE, (2505)                                  | A   |
| 101  | 70020922    | 1   | SEAL KIT                                                          |     |
| 102  | 70022847    | 1   | MICROSWITCH KIT                                                   |     |
|      | 1001080359  | 1   | PARK BRAKE RELEASE VALVE, (G5-18A), (includes items 201 thru 203) | B   |
| 201  | 7012941     | 1   | CARTRIDGE                                                         |     |
| 201  | 7010543     | 1   | SEAL KIT                                                          |     |
| 202  | 70020871    | 1   | BODY                                                              |     |
| 203  | 7024872     | 1   | COIL                                                              |     |
|      | 1001080262  | 1   | BRAKE MASTER CYLINDER, (includes items 301 thru 303)              | C   |
| 301  | 70020919    | 1   | SEAL KIT                                                          |     |
| 302  | 70020920    | 1   | RUBBER BOOT                                                       |     |
| 303  | 70021475    | 1   | FITTING                                                           |     |

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-20. LSI VALVE - 2505 (Prior to SN 0160042694)



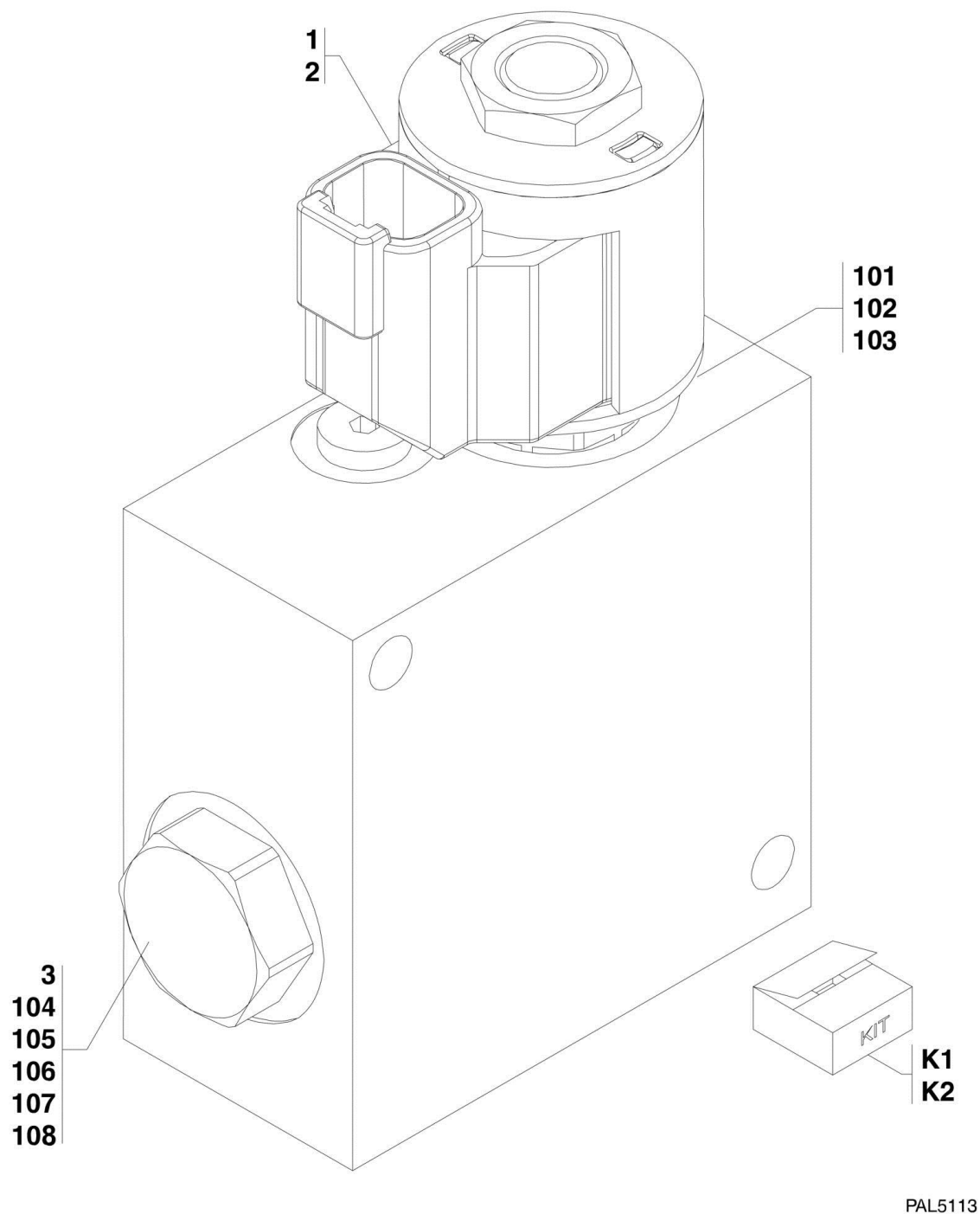
## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-20. LSI VALVE - 2505 (Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                      | REV |
|------|-------------|-----|--------------------------------------------------|-----|
|      | 1001081157  | 1   | LSI VALVE ASSY - 2505, (includes items 1 thru 3) | C   |
| 1    | 1001081156  | 1   | LSI VALVE, (includes items 101 & 102)            | D   |
| 2    | 2110404     | 5   | FITTING                                          |     |
| 3    | 2220235     | 2   | FITTING, (includes o-ring)                       |     |
| 101  | 70021208    | 1   | COIL                                             |     |
| 102  | 70021209    | 1   | RETAINER KIT WITH SEAL                           |     |

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-21. AUXILIARY HYDRAULIC PRESSURE RELIEF VALVE (G5-18A SN 0160035962 through 0160042086; 2505 SN 0160036070 through 0160042693)



## SECTION 9 - HYDRAULIC COMPONENTS

**FIGURE 9-21. AUXILIARY HYDRAULIC PRESSURE RELIEF VALVE (G5-18A SN 0160035962 through 0160042086; 2505 SN 0160036070 through 0160042693)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001081338  | 1   | AUXILIARY HYDRAULIC PRESSURE RELIEF VALVE, (includes items 1 thru 3) | A   |
| 1    | 7023903     | 1   | SOLENOID VALVE                                                       |     |
| 2    | 70002386    | 1   | COIL                                                                 |     |
| 3    | 7010542     | 1   | SHUTTLE VALVE                                                        |     |
| 101  | Kit         | 1   | O-RING                                                               |     |
| 102  | Kit         | 2   | O-RING                                                               |     |
| 103  | Kit         | 2   | BACK-UP RING                                                         |     |
| 104  | Kit         | 1   | O-RING                                                               |     |
| 105  | Kit         | 1   | O-RING                                                               |     |
| 106  | Kit         | 1   | O-RING                                                               |     |
| 107  | Kit         | 2   | BACK-UP RING                                                         |     |
| 108  | Kit         | 2   | BACK-UP RING                                                         |     |
| K1   | 7012972     | 1   | SEAL KIT, (includes items 101 thru 103)                              |     |
| K2   | 7010543     | 1   | SEAL KIT, (includes items 104 thru 108)                              |     |

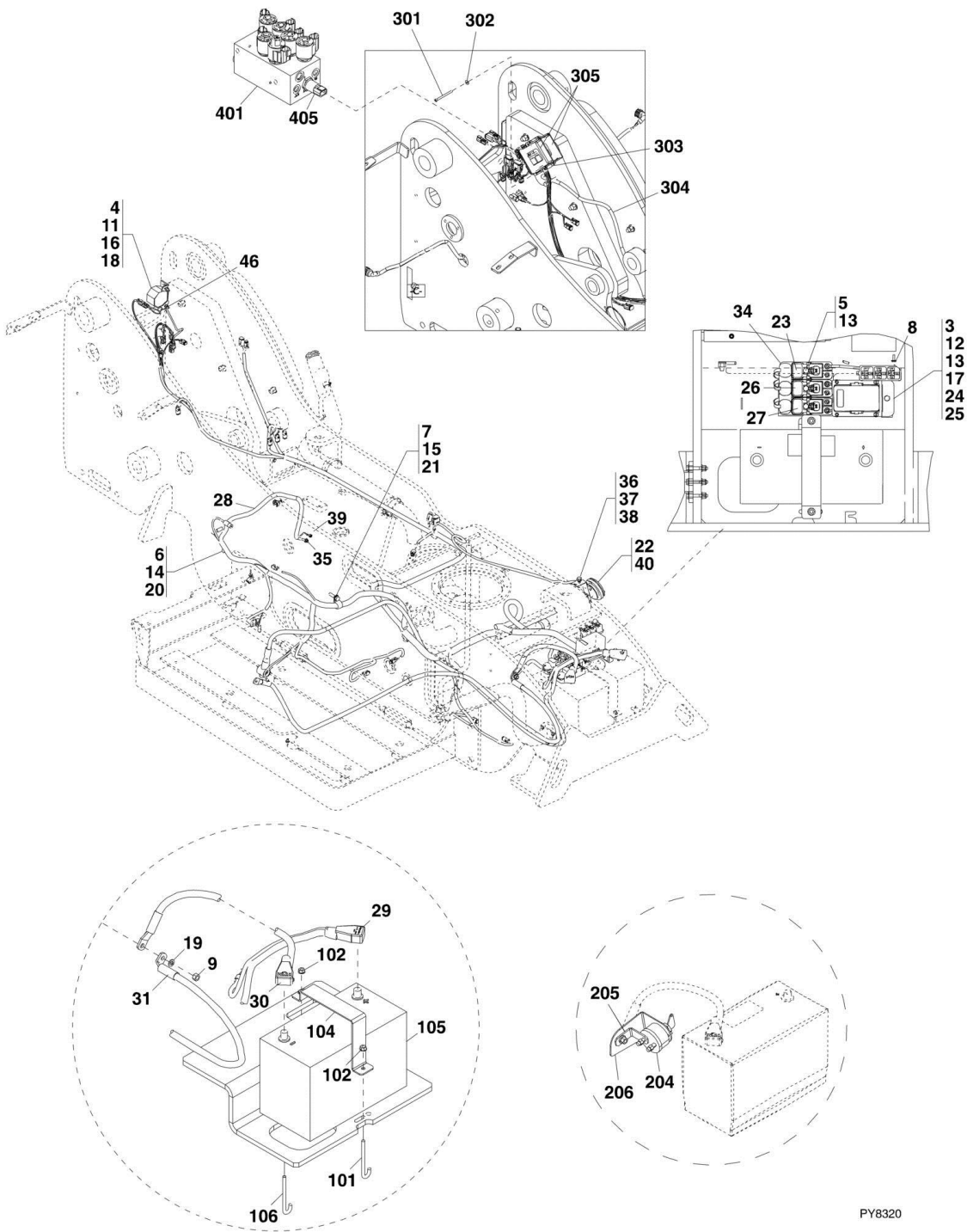




**SECTION 10 - ELECTRICAL**

SECTION 10 - ELECTRICAL

FIGURE 10-1. ELECTRICAL INSTALLATION



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## SECTION 10 - ELECTRICAL

**FIGURE 10-1. ELECTRICAL INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                        | REV |
|------|-------------|-----|------------------------------------------------------------------------------------|-----|
| 3    | 0641404     | 1   | HEX HD CAPSCREW, 1/4-20X1/2, GR5                                                   |     |
| 4    | 0641408     | 2   | HEX HD CAPSCREW, 1/4-20X1, GR5                                                     |     |
| 5    | 0641415     | 3   | HEX HD CAPSCREW, 1/4-20X1-7/8, GR5                                                 |     |
| 6    | 0760808     | 1   | HEX HD SCREW, M8X16, GR8.8                                                         |     |
| 7    | 0761016     | 1   | HEX HD SCREW, M10X40, GR8.8                                                        |     |
| 8    | 0791004     | 4   | SCREW, #10-24X1/2                                                                  |     |
| 9    | 3271601     | 1   | HEX NUT, 3/8-16                                                                    |     |
| 11   | 4711400     | 2   | WASHER, 1/4                                                                        |     |
| 12   | 4761000     | 2   | LOCKWASHER, #10                                                                    |     |
| 13   | 4761400     | 4   | LOCKWASHER, 1/4                                                                    |     |
| 14   | 4811900     | 1   | WASHER, 8mm                                                                        |     |
| 15   | 4812000     | 1   | WASHER, 10mm                                                                       |     |
| 16   | 1001101808  | 1   | BACKUP ALARM, (2505)                                                               |     |
| 16   | 1001099810  | 1   | BACKUP ALARM, (G5-18A)                                                             |     |
| 17   | 8303839     | 2   | SCREW, 10-32X1/2                                                                   |     |
| 18   | 8305624     | 2   | HEX NUT                                                                            |     |
| 19   | 10701310    | 1   | LOCKWASHER, 3/8                                                                    |     |
| 20   | 85941016    | 1   | CLAMP, 1/2                                                                         |     |
| 21   | 85941017    | 1   | P-CLAMP                                                                            |     |
| 22   | 91143357    | 1   | HORN                                                                               |     |
| 23   | 1001080363  | 1   | POWER MODULE RELAY, GREEN                                                          |     |
| 23   | 70022077    | 1   | 50 AMP FUSE                                                                        |     |
| 24   | 1001080409  | 1   | BUS BAR                                                                            |     |
| 25   | 1001080410  | 1   | FUSE BOX BRACKET                                                                   |     |
| 26   | 1001080423  | 1   | POWER MODULE RELAY, RED                                                            |     |
| 26   | 70022078    | 1   | 40 AMP FUSE                                                                        |     |
| 26   | 70022079    | 1   | 60 AMP FUSE                                                                        |     |
| 27   | 1001080424  | 1   | POWER MODULE RELAY, YELLOW                                                         |     |
| 27   | 70022078    | 1   | 40 AMP FUSE                                                                        |     |
| 27   | 70022079    | 1   | 60 AMP FUSE                                                                        |     |
| 28   |             | Ref | FRAME BASE HARNESS, (See FRAME BASE HARNESS for Breakdown)                         | C   |
| 29   | 1001080618  | 1   | BATTERY POSITIVE CABLE                                                             |     |
| 30   | 1001080619  | 1   | BATTERY NEGATIVE CABLE                                                             |     |
| 31   | 1001080620  | 1   | STARTER NEGATIVE CABLE                                                             |     |
| 34   | 1001092585  | 1   | INSULATOR                                                                          |     |
| 35   | 3290605     | 1   | HEX LOCKNUT, M6X1                                                                  |     |
| 36   | 3300143     | 1   | WHEEL NUT                                                                          |     |
| 37   | 0641611     | 1   | HEX HD CAP SCREW, 3/8-16X1-3/8, GR5                                                |     |
| 38   | 4711600     | 2   | WASHER, 3/8                                                                        |     |
| 39   | 3290505     | 1   | HEX LOCKNUT, M5X0.8, GR8                                                           |     |
| 40   | 1001102486  | 1   | HORN JUMPER HARNESS                                                                |     |
| 46   | 1001122280  | 1   | JUMPER HARNESS                                                                     |     |
|      | 1001081120  | Ref | BATTERY INSTALLATION, (not available to order, see items 101 thru 106 for service) |     |
| 101  | 1001081123  | 1   | J-BOLT                                                                             |     |
| 102  | 3311508     | 2   | HEX NUT, 5/16-18, GR2                                                              |     |
| 104  | 1001112697  | 1   | BATTERY HOLD DOWN PLATE                                                            |     |
| 105  | 0400075     | 1   | 12V BATTERY                                                                        |     |
| 106  | 0630455     | 1   | J-BOLT                                                                             |     |

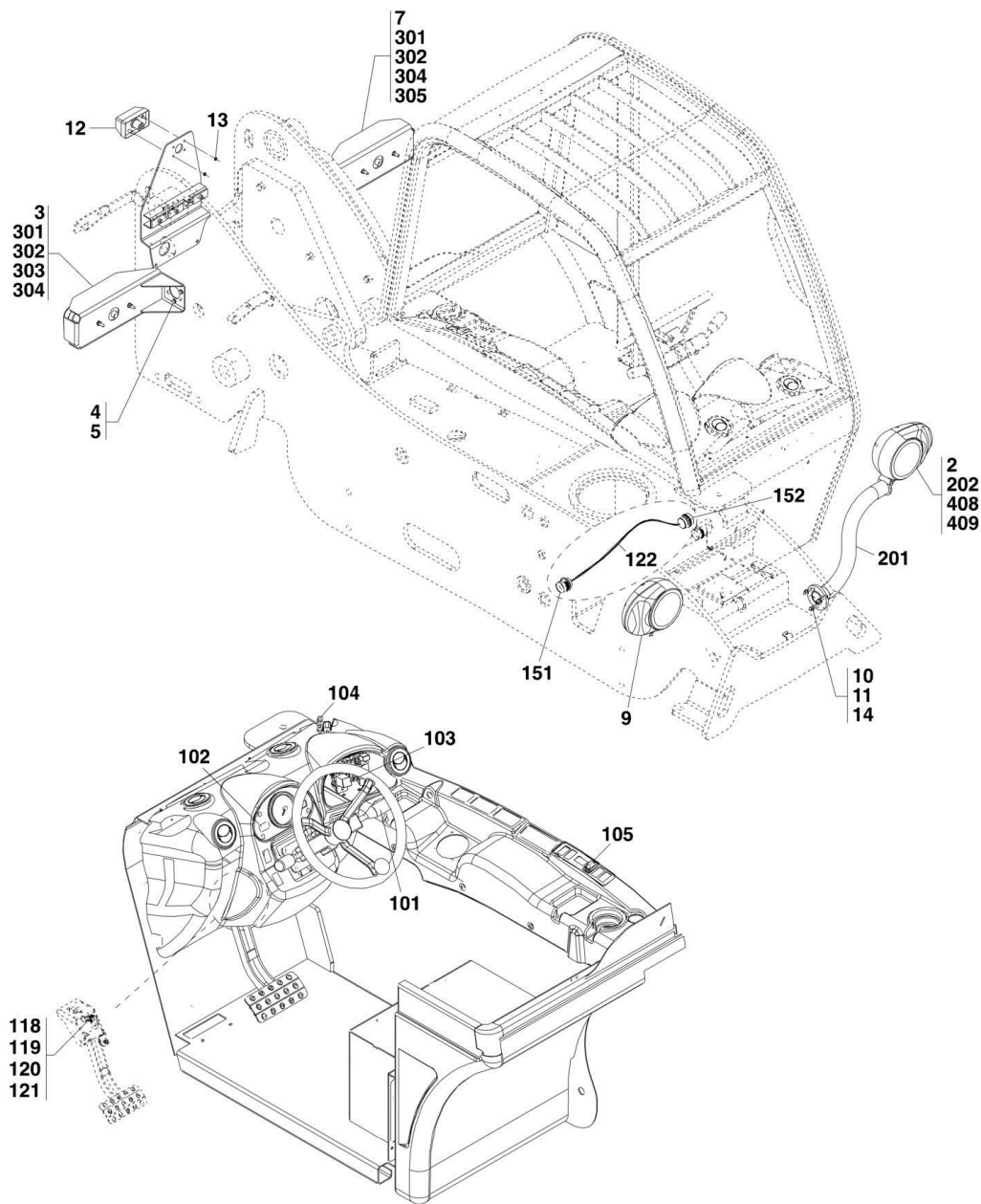
## SECTION 10 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                              | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------|-----|
|      | 1001080655  | Ref | BATTERY DISCONNECT ELECTRICAL INSTALLATION, (not available to order, see items 204 thru 206 for service) | B   |
| 204  | 1001008926  | 1   | BATTERY DISCONNECT SWITCH                                                                                |     |
| 205  | 1001135846  | 1   | BATTERY DISCONNECT BAR                                                                                   |     |
| 206  | 1001135845  | 1   | BATTERY DISCONNECT MOUNT                                                                                 |     |
| 301  | 3931448     | 2   | SOCKET HD CAPSCREW, 1/4-20X3 <b>(2505 SN 0160042694 to Present)</b>                                      |     |
| 302  | 4711400     | 6   | WASHER, 1/4 <b>(2505 SN 0160042694 to Present)</b>                                                       |     |
| 303  | 88631566    | 2   | ROLL PIN <b>(2505 SN 0160042694 to Present)</b>                                                          |     |
| 304  |             | Ref | FRAME OPTIONS HARNESS, (See FRAME OPTIONS HARNESS for Breakdown)                                         |     |
| 305  | 1001122287  | NLA | LSI MODULE, (no longer available, use 1001226247 for replacement)                                        |     |
| 305  | 1001226247  | 2   | LSI MODULE                                                                                               |     |
| 401  |             | Ref | PILOT SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)                                     |     |
| 405  | 1001132795  | 1   | PILOT SELECT VALVE PRESSURE SENSOR <b>(2505 SN 0160042694 to Present)</b>                                |     |



SECTION 10 - ELECTRICAL

FIGURE 10-2. ROAD LIGHTS INSTALLATION



ART\_31200360-10-2

## SECTION 10 - ELECTRICAL

**FIGURE 10-2. ROAD LIGHTS INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                       | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001080918  | Ref | ROAD LIGHTS INSTALLATION, (2505 - CE), (GERMANY), (not available to order, see items 2 thru 14 for service)                                       | K   |
|      | 1001080942  | Ref | ROAD LIGHTS INSTALLATION, (G5-18A), (if equipped), (not available to order, see items 2 thru 14 & 101 thru 122 for service)                       | P   |
|      | 1001081398  | Ref | ROAD LIGHTS INSTALLATION, (2505 - AUS), (UK and Ireland), (not available to order, see items 3 thru 5, 7, 10 thru 14, 201, 408 & 409 for service) | B   |
| 2    | 1001080913  | Ref | LEFT HEADLIGHT INSTALLATION, (not available to order, see items 201 & 202 for service)                                                            | B   |
| 3    | 1001101533  | Ref | RIGHT TAILLIGHT INSTALLATION, (not available to order, see items 301 thru 304 for service)                                                        | D   |
| 4    | 0641410     | 6   | HEX HD CAPSCREW, 1/4-20X1-1/4, GR5                                                                                                                |     |
| 5    | 4711400     | 6   | WASHER, 1/4                                                                                                                                       |     |
| 7    | 1001101534  | Ref | LEFT TAILLIGHT INSTALLATION, (not available to order, see items 301, 302, 304 & 305 for service)                                                  | C   |
| 9    | 2920208     | 1   | RH DRIVING LIGHT                                                                                                                                  |     |
| 9    | 7029969     | 1   | BULB, 12V                                                                                                                                         |     |
| 9    | 7029970     | 2   | BULB, 12V-55W                                                                                                                                     |     |
| 10   | 0641514     | 3   | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5                                                                                                               |     |
| 11   | 3311505     | 3   | LOCKNUT, 5/16-18                                                                                                                                  |     |
| 12   | 2920204     | 1   | LIGHT LICENSE PLATE                                                                                                                               |     |
| 12   | 70021341    | 1   | LIGHT BULB                                                                                                                                        |     |
| 13   | 5220500     | 2   | RIPPNUT, 5mm                                                                                                                                      |     |
| 14   | 4891500     | 6   | WASHER, 5/16                                                                                                                                      |     |
| 101  | 1001080381  | 1   | TURN SIGNAL-HEADLIGHT SWITCH                                                                                                                      |     |
| 102  | 1001080610  | 1   | TURN/HIGH BEAM INDICATOR                                                                                                                          |     |
| 103  | 1001100781  | 1   | FOUR PIN FLASHER RELAY                                                                                                                            |     |
| 104  | 1001100965  | 1   | HALF JUMPER HARNESS                                                                                                                               |     |
| 105  |             | Ref | HAZARD SWITCH, (See CAB SWITCHES for Breakdown)                                                                                                   |     |
| 118  | 3311005     | 2   | HEX LOCKNUT, #10-24, GR2                                                                                                                          |     |
| 119  | 4360658     | 1   | BRAKE LIGHT SWITCH                                                                                                                                |     |
| 120  | 0721008     | 2   | HEX HD MACHINE SCREW, #10-24X1                                                                                                                    |     |
| 121  | 4751000     | 2   | WASHER, #10                                                                                                                                       |     |
| 122  | 1001105836  | 1   | FRAME OPTION HARNESS, (includes items 151 & 152)                                                                                                  | A   |
| 151  | 1001118674  | 1   | CONNECTOR                                                                                                                                         |     |
| 152  | 1001118672  | 1   | CONNECTOR                                                                                                                                         |     |
| 201  | 1001133821  | 1   | HEADLIGHT MOUNTING BRACKET                                                                                                                        |     |
| 202  | 2920207     | 1   | LH DRIVING LIGHT                                                                                                                                  |     |
| 202  | 7029969     | 1   | BULB, 12V                                                                                                                                         |     |
| 202  | 7029970     | 2   | BULB, 12V-55W                                                                                                                                     |     |
| 301  | 3290807     | 2   | HEX LOCKNUT, M8X1-1/4, GR8                                                                                                                        |     |
| 302  | 4811900     | 2   | WASHER, 8mm                                                                                                                                       |     |
| 303  | 8001989     | 1   | RH TAILLIGHT                                                                                                                                      |     |
| 303  | 0388450     | 4   | BULB, 12V-21W                                                                                                                                     |     |
| 303  | 0313279     | 2   | BULB, 12V-10W                                                                                                                                     |     |
| 304  | 1001081322  | 1   | TAILLIGHT MOUNTING PLATE                                                                                                                          |     |
| 305  | 8001991     | 1   | LH TAILLIGHT                                                                                                                                      |     |
| 305  | 0388450     | 4   | BULB, 12V-21W                                                                                                                                     |     |
| 305  | 0313279     | 2   | BULB, 12V-10W                                                                                                                                     |     |
| 408  | 1001002778  | 1   | RH DRIVING LIGHT                                                                                                                                  |     |
| 408  | 7029969     | 1   | BULB, 12V                                                                                                                                         |     |

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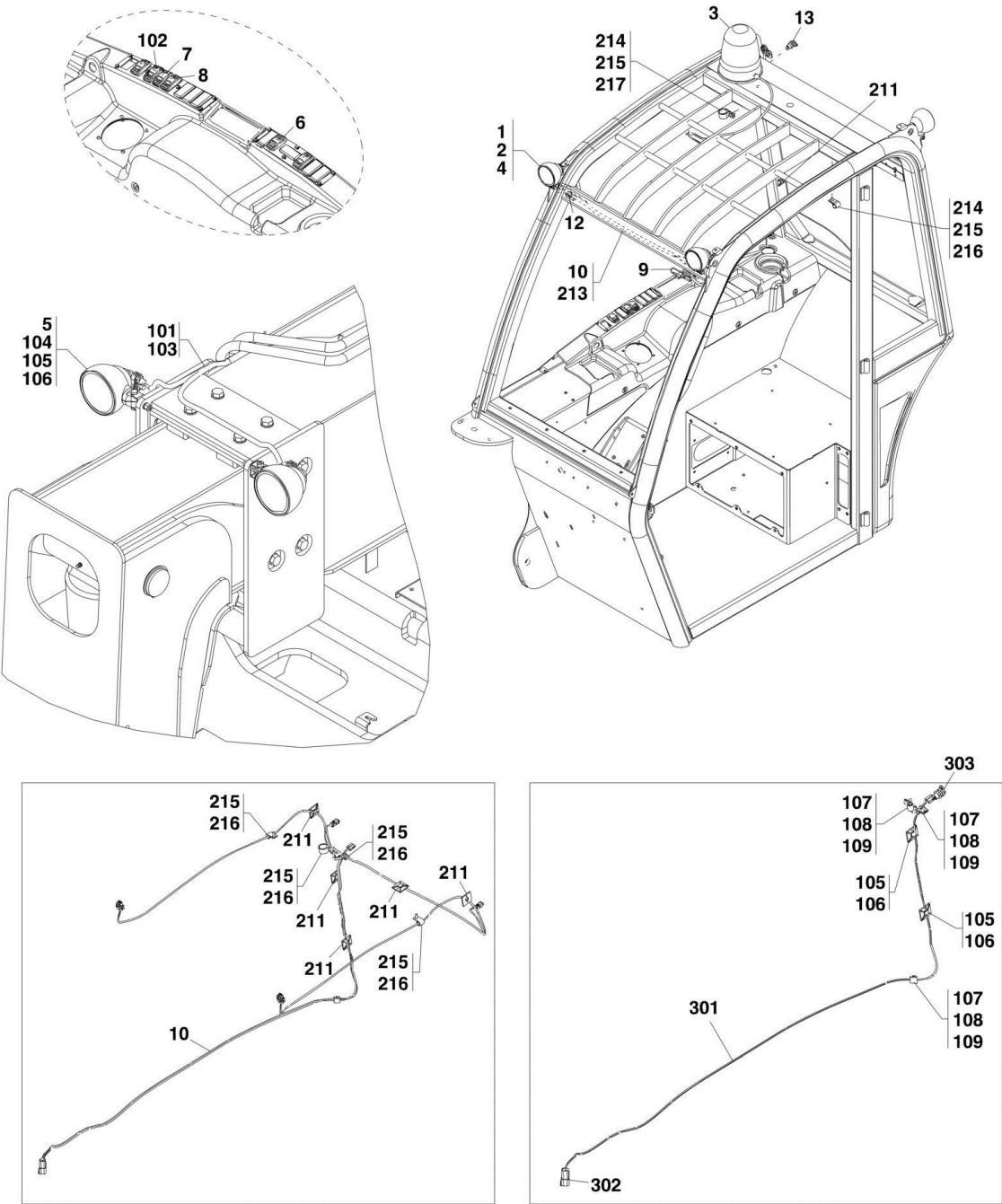
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                             | REV |
|------|-------------|-----|-------------------------------------------------------------------------|-----|
| 408  | 7029970     | 1   | BULB, 12V-55W                                                           |     |
| 408  | 7029971     | 1   | BULB, 12V-21W                                                           |     |
| 409  | 1001002779  | 1   | LH DRIVING LIGHT                                                        |     |
| 409  | 7029969     | 1   | BULB, 12V                                                               |     |
| 409  | 7029970     | 1   | BULB, 12V-55W                                                           |     |
| 409  | 7029971     | 1   | BULB, 12V-21W                                                           |     |
| 501  |             | Ref | FRAME BASE HARNESS, (not shown), (See FRAME BASE HARNESS for Breakdown) |     |





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FIGURE 10-3. WORK LIGHTS INSTALLATION



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### FIGURE 10-3. WORK LIGHTS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                       | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 0275504     | Ref | WORK LIGHTS INSTALLATION, (enclosed cab), (not available to order, see items 1 thru 13 for service)                                               | F   |
|      | 1001113154  | Ref | WORK LIGHTS INSTALLATION, (open cab), (not available to order, see items 1 thru 13 & 211 thru 217 for service)                                    | C   |
|      | 1001103139  | Ref | BEACON INSTALLATION, (enclosed cab), (not available to order, see items 3, 6, 10 & 13 for service)                                                | D   |
|      | 1001113155  | Ref | BEACON INSTALLATION, (open cab), (not available to order, see items 3, 6, 13, 211 thru 216 & 301 & 303 for service)                               | B   |
| 1    | 2920206     | 4   | WORKLIGHT                                                                                                                                         |     |
| 1    | 70020796    | 1   | LIGHT BULB                                                                                                                                        |     |
| 2    | 1001108127  | 4   | LOCKNUT, M6X1, GR8, (enclosed cab)                                                                                                                |     |
| 2    | 3290605     | 4   | LOCKNUT, M6X1, GR8, (open cab)                                                                                                                    |     |
| 3    | 1001091573  | NLA | YELLOW WARNING LIGHT LAMP, (no longer available, use 70020186 for service or 1001217623 for replacement)                                          |     |
| 3    | 70020186    | 1   | BULB                                                                                                                                              |     |
| 3    | 1001217623  | 1   | YELLOW WARNING LIGHT LAMP                                                                                                                         |     |
| 4    | 1001108129  | 4   | WASHER, 6mm, (enclosed cab)                                                                                                                       |     |
| 4    | 4811700     | 4   | WASHER, 6mm, (open cab)                                                                                                                           |     |
| 5    | 1001080669  | Ref | BOOM LIGHTS INSTALLATION, (not available to order, see items 101 thru 106 for service)                                                            | D   |
| 6    |             | Ref | BEACON SWITCH, (See CAB SWITCHES for Breakdown)                                                                                                   |     |
| 7    |             | Ref | FRONT WORKLIGHTS SWITCH, (See ENGINE AND ATTACHING PARTS for Breakdown)                                                                           |     |
| 8    |             | Ref | REAR WORKLIGHTS SWITCH, (See ENGINE AND ATTACHING PARTS for Breakdown)                                                                            |     |
| 9    | 1001080854  | 4   | WORKLIGHT JUMPER HARNESS ( <b>Prior to SN 0160039500, Excluding 0160036550, 0160037441, 0160037442, 0160037445, 0160037446 and 0160037454</b> )   |     |
| 9    | 1001109565  | 4   | WORKLIGHT JUMPER HARNESS ( <b>SN 0160039500 to Present, Including 0160036550, 0160037441, 0160037442, 0160037445, 0160037446 and 0160037454</b> ) |     |
| 10   |             | Ref | CAB ROOF WORKLIGHTS HARNESS, (See ROOF WORKLIGHTS HARNESS for Breakdown)                                                                          |     |
| 12   | 1001081002  | 4   | GROMMET ( <b>2505 Prior to SN 0160042694; G5-18A Prior to SN 0160042093</b> )                                                                     |     |
| 12   | 1001111341  | 2   | GROMMET ( <b>2505 SN 0160042694 to Present; G5-18A SN 0160042093 to Present</b> )                                                                 |     |
| 13   | 4461174     | 1   | 12 VOLT POWER SUPPLY TERMINAL                                                                                                                     |     |
| 101  |             | Ref | BOOM WORKLIGHT HARNESS, (See BOOM WORKLIGHT HARNESS for Breakdown)                                                                                |     |
| 102  |             | Ref | BOOM WORKLIGHT SWITCH, (See BOOM WORKLIGHT SWITCH for Breakdown)                                                                                  |     |
| 103  | 4240032     | 14  | TIE STRAP                                                                                                                                         |     |
| 104  | 2920206     | 2   | WORKLIGHT                                                                                                                                         |     |
| 104  | 70020796    | 1   | LIGHT BULB                                                                                                                                        |     |
| 105  | 4831700     | 2   | SPRING LOCKWASHER, 6mm                                                                                                                            |     |
| 106  | 3290601     | 2   | HEX NUT, M6X1, GR12                                                                                                                               |     |
| 211  | 4460488     | 5   | MOUNTING BASE TERMINAL                                                                                                                            |     |
| 213  | 8881802     | AR  | WIRE TIE                                                                                                                                          |     |
| 214  | 4711400     | 9   | WASHER, 1/4                                                                                                                                       |     |
| 214  | 4711400     | 7   | WASHER, 1/4                                                                                                                                       |     |
| 215  | 8303034     | 5   | TRUSS HD SCREW, 1/4-20x3/4                                                                                                                        |     |
| 215  | 8303034     | 3   | TRUSS HD SCREW, 1/4-20x3/4                                                                                                                        |     |

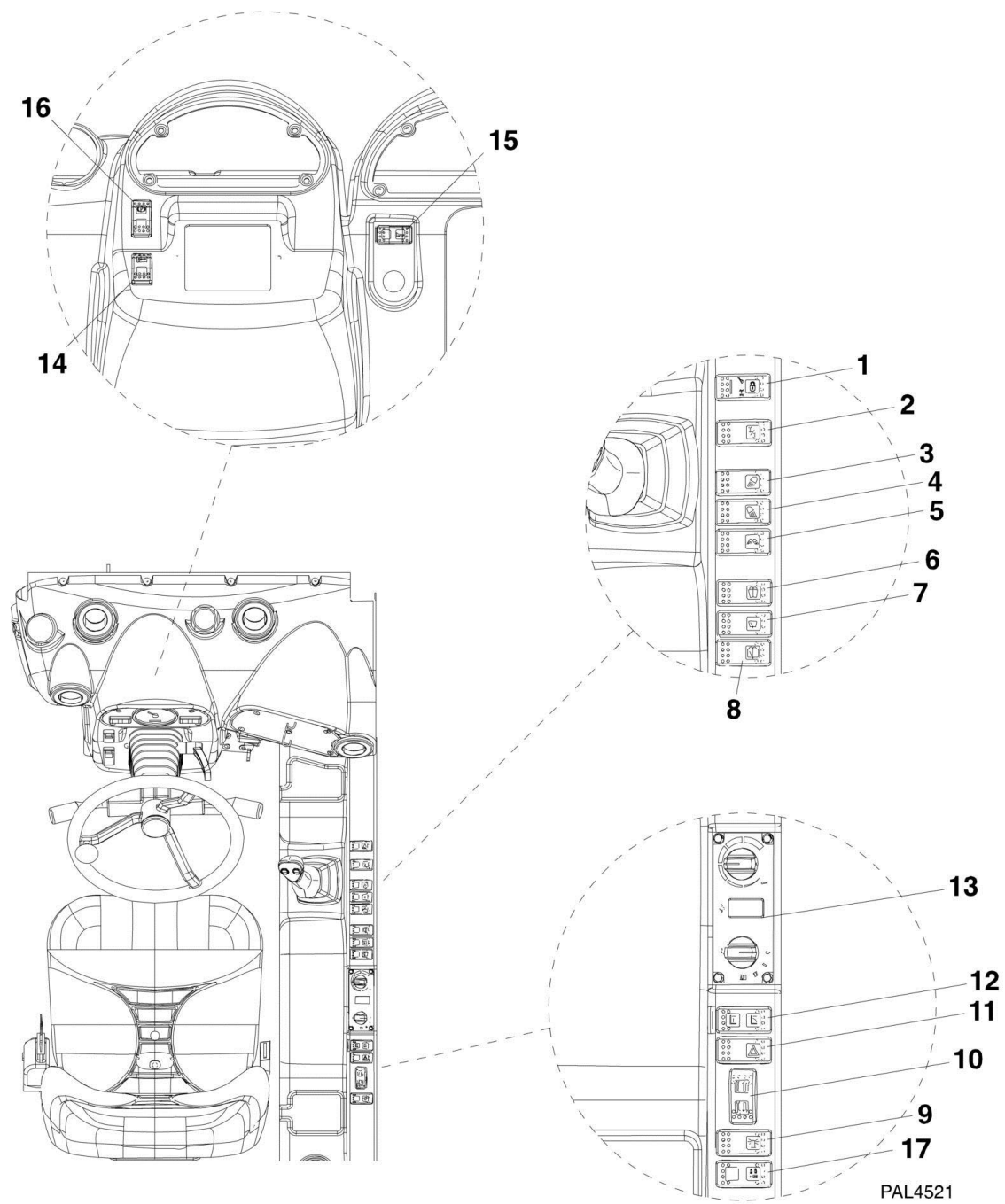
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| ITEM | PART NUMBER | QTY | DESCRIPTION                                         | REV |
|------|-------------|-----|-----------------------------------------------------|-----|
| 216  | 85941016    | 4   | CLAMP, 1/2                                          | B   |
| 216  | 85941016    | 3   | CLAMP, 1/2                                          |     |
| 217  | 85941017    | 1   | P-CLAMP                                             |     |
| 301  | 1001110723  | 1   | BEACON CAB ROOF HARNESS, (includes items 302 & 303) |     |
| 302  | 4460899     | 1   | CONNECTOR                                           |     |
| 302  | 4460464     | 2   | TERMINAL                                            |     |
| 303  | 91503104    | 1   | WEDGE LOCKING                                       |     |
| 303  | 1001104519  | 2   | TERMINAL                                            |     |



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FIGURE 10-4. CAB SWITCHES



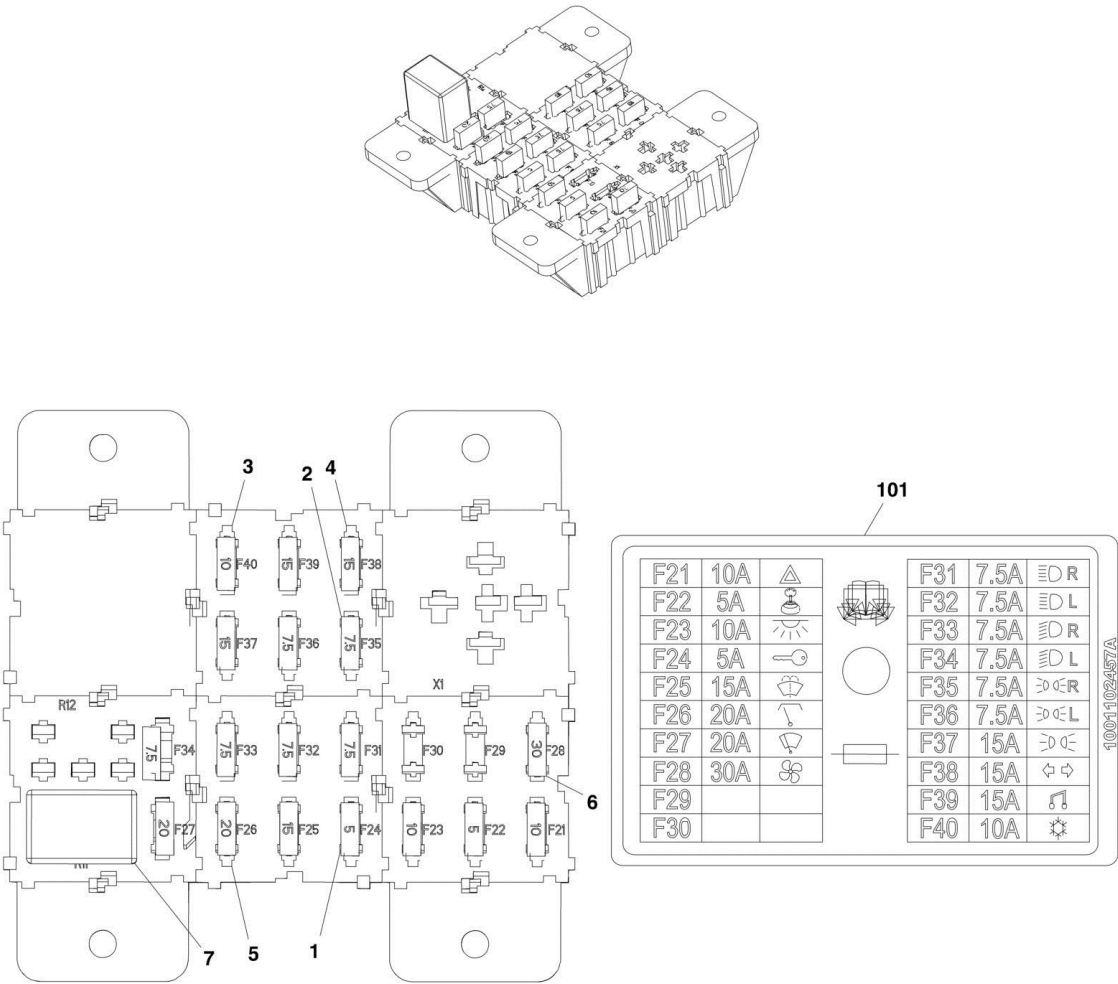
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**FIGURE 10-4. CAB SWITCHES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                             | REV |
|------|-------------|-----|---------------------------------------------------------|-----|
| 1    | 1001080372  | 1   | ROAD USE OPERATION SWITCH, (2505)                       |     |
| 2    | 1001080378  | 1   | STEER SELECT SWITCH                                     |     |
| 3    | 1001080366  | 1   | BOOM WORK LIGHT SWITCH, (if equipped)                   |     |
| 4    | 1001080369  | 1   | FRONT WORK LIGHT SWITCH, (if equipped)                  |     |
| 5    | 1001080376  | 1   | REAR WORK LIGHT SWITCH, (if equipped)                   |     |
| 6    | 1001080368  | 1   | FRONT WIPER SWITCH, (if equipped)                       |     |
| 7    | 1001080367  | 1   | FRONT WINDSHIELD WASHER SWITCH, (if equipped)           |     |
| 8    | 1001080377  | 1   | SKYLIGHT AND REAR WIPER SWITCH, (if equipped)           |     |
| 9    | 1001080365  | 1   | BEACON LIGHT SWITCH, (if equipped)                      |     |
| 10   | 1001080364  | 1   | FRONT/REAR AUXILIARY HYDRAULIC SWITCH, (if equipped)    |     |
| 11   | 1001080370  | 1   | HAZARD LIGHT SWITCH, (if equipped)                      |     |
| 12   | 1001080978  | 1   | LIFT/LOADER JOYSTICK PATTERN SWITCH                     |     |
| 13   |             | Ref | HEATER AND AC CONTROLS, (See CAB SECTION for Breakdown) |     |
| 14   | 1001080374  | 1   | PARKING BRAKE SWITCH, (G5-18A)                          |     |
| 14   | 1001080373  | 1   | LSI OVERRIDE SWITCH, (2505)                             |     |
| 15   | 1001080371  | 1   | HORN SWITCH                                             |     |
| 16   | 1001080375  | 1   | HYDRAULIC QUICK ATTACH SWITCH                           |     |
| 17   | 1001104654  | 1   | AUXILIARY HYDRAULICS PRESSURE RELIEF SWITCH             |     |

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FIGURE 10-5. CAB FUSE HOLDER



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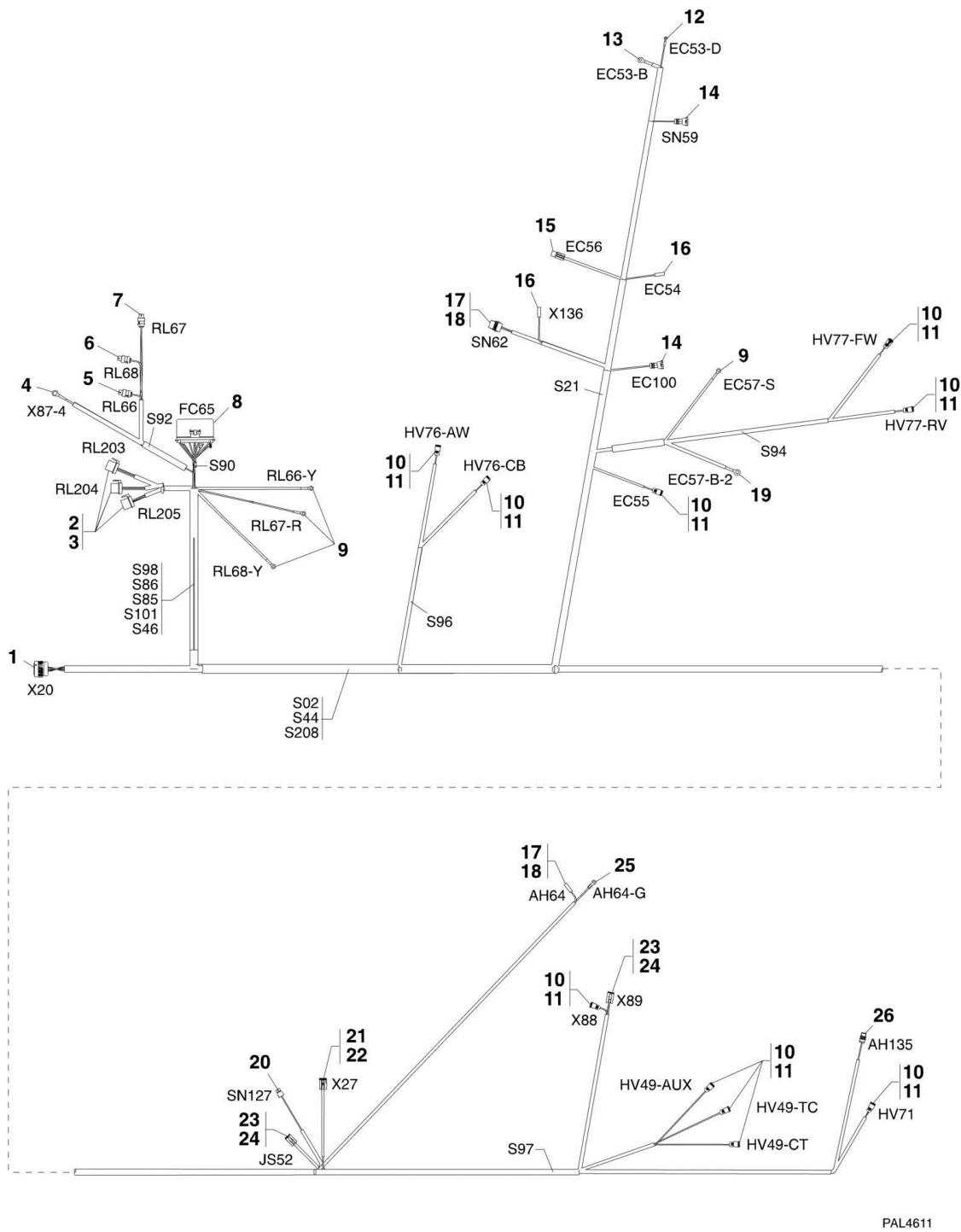
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**FIGURE 10-5. CAB FUSE HOLDER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                      | REV |
|------|-------------|-----|--------------------------------------------------|-----|
|      | 1001080763  | 1   | CAB FUSE RELAY HOLDER, (includes items 1 thru 7) | A   |
|      | 1001116710  | 26  | TERMINAL                                         |     |
|      | 1001116712  | 17  | TERMINAL                                         |     |
|      | 1001116711  | 4   | TERMINAL                                         |     |
|      | 1001116735  | 5   | TERMINAL                                         |     |
|      | 4460419     | 1   | TERMINAL                                         |     |
| 1    | 8229242     | 2   | FUSE, 5A                                         |     |
| 2    | 8229243     | 1   | FUSE, 7.5A                                       |     |
| 3    | 80983191    | 7   | FUSE, 10A                                        |     |
| 4    | 8229244     | 4   | FUSE, 15A                                        |     |
| 5    | 8229246     | 2   | FUSE, 20A                                        |     |
| 6    | 8229245     | 1   | FUSE, 30A                                        |     |
| 7    | 1001095704  | 1   | RELAY, 35A                                       |     |
| 101  | 1001102457  | 1   | FUSE DECAL                                       |     |

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FIGURE 10-6. FRAME BASE HARNESS (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)



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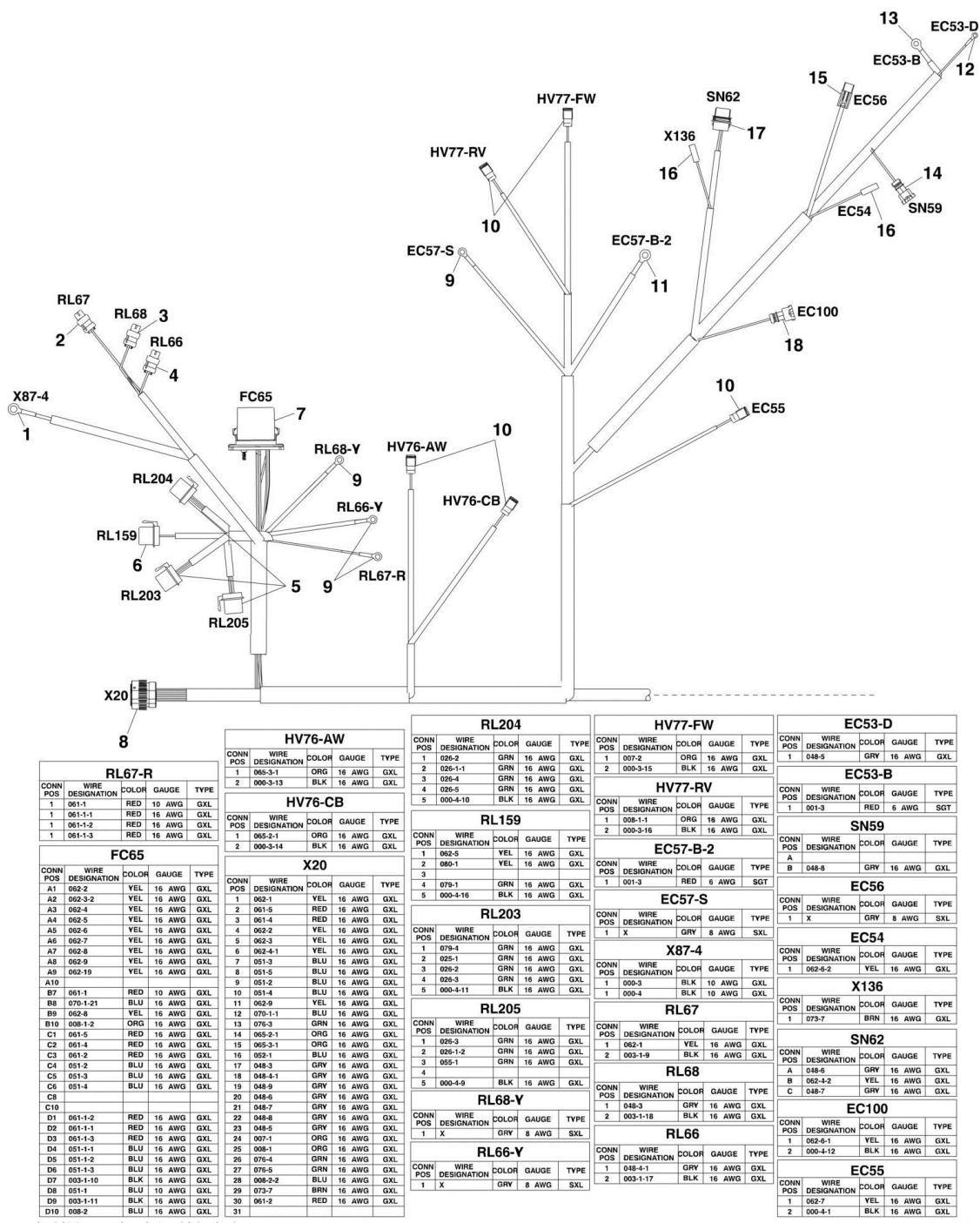
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**FIGURE 10-6. FRAME BASE HARNESS (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                              | REV |
|------|-------------|-----|------------------------------------------|-----|
|      | 1001080442  | 1   | FRAME BASE HARNESS, (includes all items) | K   |
| 1    | 1001116921  |     | CONNECTOR                                |     |
| 2    | 4460374     | 3   | CONNECTOR                                |     |
| 3    | 3740080     | 3   | RELAY                                    |     |
| 4    | 8220164     | 1   | TERMINAL                                 |     |
| 5    | 1001116953  | 1   | CONNECTOR                                |     |
| 6    | 1001116950  | 1   | CONNECTOR                                |     |
| 7    | 1001116952  | 1   | CONNECTOR                                |     |
| 8    | 1001080361  | 1   | FUSE BOX ASSY                            |     |
| 8    | 80963070    | 2   | DUST CAP PLUG                            |     |
| 8    | 8229242     | 2   | FUSE, 5A                                 |     |
| 8    | 8229243     | 1   | FUSE, 7.5A                               |     |
| 8    | 80983191    | 7   | FUSE, 10A                                |     |
| 8    | 8229244     | 4   | FUSE, 15A                                |     |
| 8    | 1001095704  | 2   | RELAY, 35A                               |     |
| 9    | N.S.S.      | 4   | RING TERMINAL                            |     |
| 10   | 4460891     | 10  | CONNECTOR                                |     |
| 11   | 80604018    | 10  | LOCK CONNECTOR                           |     |
| 12   | 4460042     | 1   | TERMINAL                                 |     |
| 13   | 8220116     | 1   | TERMINAL                                 |     |
| 14   | 1001116983  | 2   | CONNECTOR                                |     |
| 15   | 1001116707  | 1   | CONNECTOR                                |     |
| 16   | 4460260     | 2   | CONNECTOR                                |     |
| 17   | 1001117020  | 2   | CONNECTOR                                |     |
| 18   | 7029775     | 2   | LOCK CONNECTOR                           |     |
| 19   | 8220114     | 1   | TERMINAL                                 |     |
| 20   | 250176      | 1   | CONNECTOR                                |     |
| 21   | 4460930     | 1   | CONNECTOR                                |     |
| 22   | 80604025    | 1   | LOCK CONNECTOR                           |     |
| 23   | 4460884     | 2   | CONNECTOR                                |     |
| 24   | 80604021    | 2   | LOCK CONNECTOR                           |     |
| 25   | 4460043     | 1   | TERMINAL                                 |     |
| 26   | 4461118     | 1   | CONNECTOR                                |     |

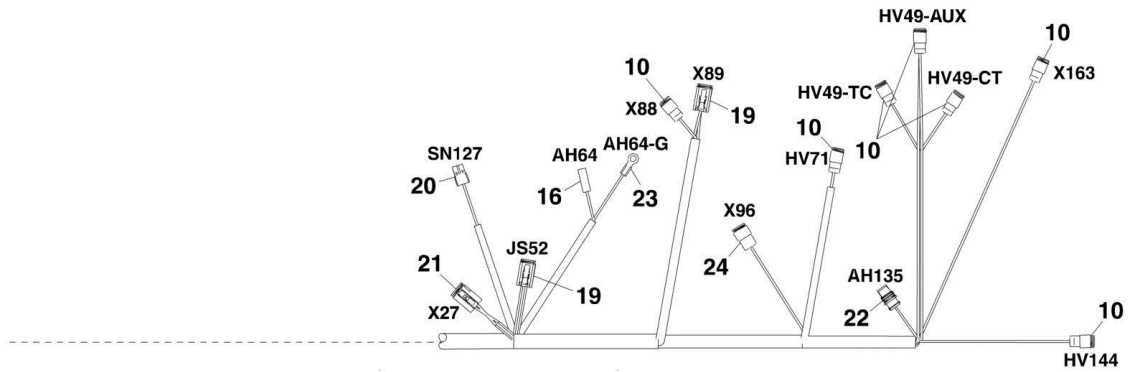
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FIGURE 10-7. FRAME BASE HARNESS (2505 SN 0160042694 to Present)



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| HV49-AUX |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 055-1            | GRN   | 16 AWG | GXL  |
| 2        | 000-3-19         | BLK   | 16 AWG | GXL  |

| AH64-G   |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 000-4-5          | BLK   | 16 AWG | GXL  |

| AH64     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 052-1            | BLU   | 16 AWG | GXL  |

| HV71     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 076-3            | GRN   | 16 AWG | GXL  |
| 2        | 000-4-4          | BLK   | 16 AWG | GXL  |

| X163     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-19           | YEL   | 16 AWG | GXL  |
| 2        | 080-1            | YEL   | 16 AWG | GXL  |

| HV49-CT  |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 014-1            | GRN   | 16 AWG | GXL  |
| 2        | 000-3-18         | BLK   | 16 AWG | GXL  |

| JS52     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 026-1            | GRN   | 16 AWG | GXL  |
| 2        | 079-2            | GRN   | 16 AWG | GXL  |
| 3        | 025-1            | GRN   | 16 AWG | GXL  |
| 4        | 079-3            | GRN   | 16 AWG | GXL  |

| X88      |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 051-5            | BLU   | 16 AWG | GXL  |
| 2        | 000-4-3          | BLK   | 16 AWG | GXL  |

| HV49-TC  |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 025-2            | GRN   | 16 AWG | GXL  |
| 2        | 000-3-17         | BLK   | 16 AWG | GXL  |

| X96      |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 008-1-3          | ORG   | 16 AWG | GXL  |
| 2        | 007-3            | ORG   | 16 AWG | GXL  |
| 3        |                  |       |        |      |

| SN127    |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 048-8            | GRY   | 16 AWG | GXL  |
| 2        |                  |       |        |      |
| 3        | 003-1-12         | BLK   | 16 AWG | GXL  |

| HV144    |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 055-2            | GRN   | 16 AWG | GXL  |
| 2        | 000-3-21         | BLK   | 16 AWG | GXL  |

| AH135    |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 008-2-1          | BLU   | 16 AWG | GXL  |
| 2        | 000-4-2          | BLK   | 16 AWG | GXL  |

| X89      |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 076-4            | GRN   | 16 AWG | GXL  |
| 2        | 076-5            | GRN   | 16 AWG | GXL  |
| 3        |                  |       |        |      |
| 4        |                  |       |        |      |

| X27      |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 025-2            | GRN   | 16 AWG | GXL  |
| 2        | 026-4            | GRN   | 16 AWG | GXL  |
| 3        | 070-1-22         | BLU   | 16 AWG | GXL  |
| 4        | 014-1            | GRN   | 16 AWG | GXL  |
| 5        | 026-5            | GRN   | 16 AWG | GXL  |
| 6        | 062-3-3          | YEL   | 16 AWG | GXL  |
| 7        | 000-4-13         | BLK   | 16 AWG | GXL  |
| 8        | 055-2            | GRN   | 16 AWG | GXL  |

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**FIGURE 10-7. FRAME BASE HARNESS (2505 SN 0160042694 to Present)**

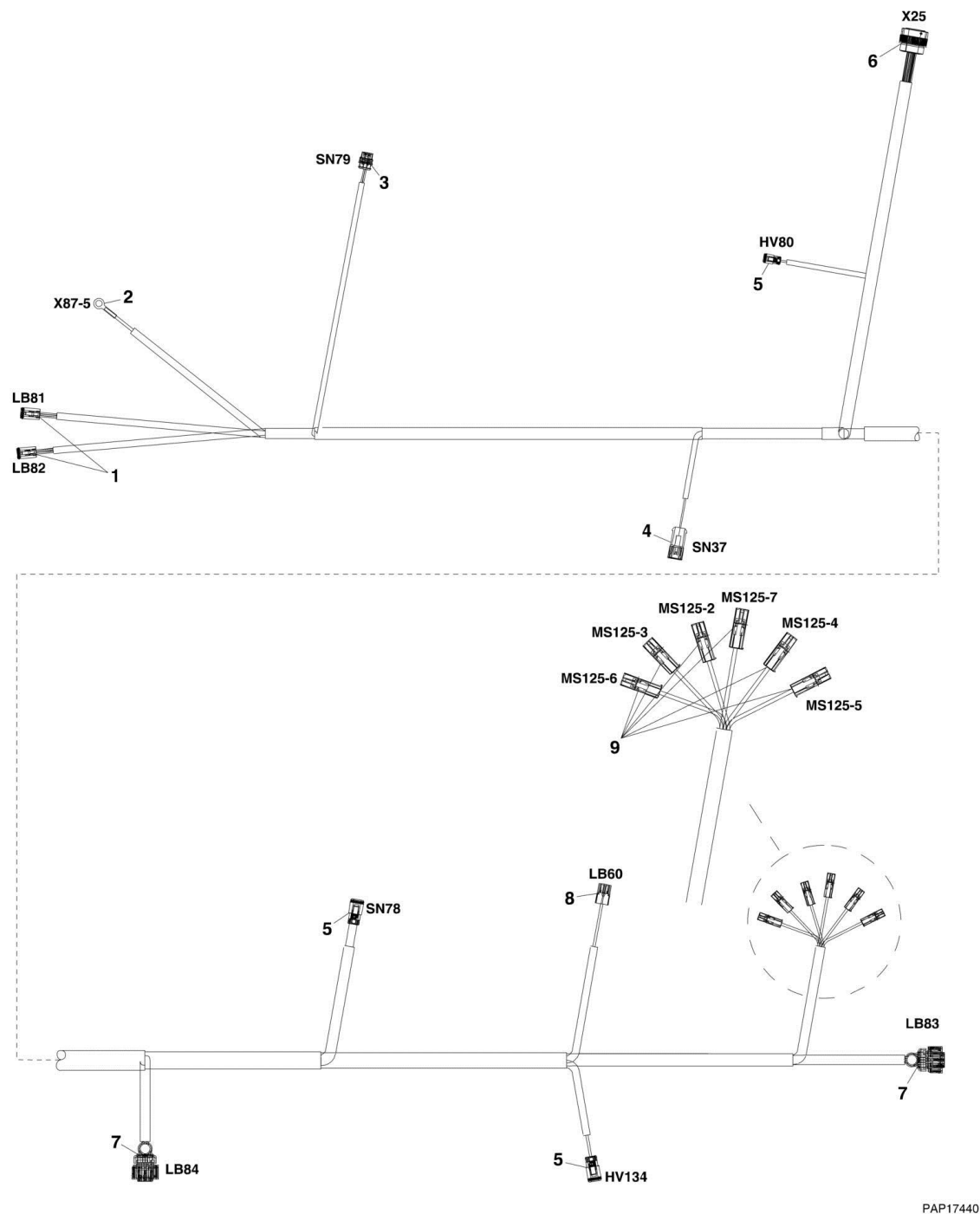
| ITEM | PART NUMBER | QTY | DESCRIPTION                              | REV |
|------|-------------|-----|------------------------------------------|-----|
|      | 1001122249  | 1   | FRAME BASE HARNESS, (includes all items) | D   |
| 1    | 8220164     | 1   | TERMINAL RING, 3/8, 8 AWG                |     |
| 2    | 1001116952  | 1   | CONNECTOR                                |     |
| 2    | 4460465     | 2   | TERMINAL                                 |     |
| 3    | 1001116950  | 1   | CONNECTOR                                |     |
| 3    | 4460465     | 2   | TERMINAL                                 |     |
| 4    | 1001116953  | 1   | CONNECTOR                                |     |
| 4    | 4460465     | 2   | TERMINAL                                 |     |
| 5    | 4460374     | 3   | CONNECTOR WITH RELAY                     |     |
| 5    | 3740080     | 3   | RELAY                                    |     |
| 6    | 1001117057  | 1   | CONNECTOR WITH RELAY                     |     |
| 6    | 3740080     | 1   | RELAY                                    |     |
| 6    | 1001116733  | 4   | TERMINAL                                 |     |
| 7    | 1001116727  | 1   | FUSE BOX ASSY                            | A   |
| 7    | 1001116726  | 26  | TERMINAL                                 |     |
| 7    | 1001116725  | 2   | TERMINAL                                 |     |
| 7    | 1001116727  | 3   | PLUG                                     |     |
| 7    | 8229242     | 2   | FUSE, 5A                                 |     |
| 7    | 8229243     | 1   | FUSE, 7.5A                               |     |
| 7    | 80983191    | 7   | FUSE, 10A                                |     |
| 7    | 8229244     | 5   | FUSE, 15A                                |     |
| 7    | 1001095704  | 2   | RELAY, 35A                               |     |
| 8    | 1001116921  | 1   | CONNECTOR                                |     |
| 8    | 4460465     | 30  | TERMINAL                                 |     |
| 8    | 4460466     | 1   | PLUG                                     |     |
| 9    | 1001117106  | 4   | TERMINAL RING, 1/4, 8 AWG                |     |
| 10   | 4460891     | 12  | CONNECTOR                                |     |
| 10   | 80604018    | 12  | WEDGE LOCK                               |     |
| 10   | 4460465     | 24  | TERMINAL                                 |     |
| 11   | 8220114     | 1   | TERMINAL RING, 5/16, 6 AWG               |     |
| 12   | 4460042     | 1   | TERMINAL RING, #10, 16 AWG               |     |
| 13   | 8220116     | 1   | TERMINAL RING, 1/4, 6 AWG                |     |
| 14   | 1001116983  | 1   | CONNECTOR                                |     |
| 14   | 4460466     | 1   | PLUG                                     |     |
| 14   | 1001118386  | 1   | TERMINAL                                 |     |
| 15   | 1001116707  | 1   | CONNECTOR                                |     |
| 15   | 91143340    | 1   | TERMINAL                                 |     |
| 16   | 4460260     | 2   | CONNECTOR                                |     |
| 16   | 1001118379  | 2   | TERMINAL                                 |     |
| 17   | 1001117020  | 1   | CONNECTOR                                |     |
| 17   | 1001116728  | 3   | TERMINAL                                 |     |
| 17   | 8220891     | 1   | WEDGELOCK                                |     |
| 18   | 1001116983  | 1   | CONNECTOR                                |     |
| 18   | 1001118386  | 2   | TERMINAL                                 |     |
| 19   | 4460884     | 1   | CONNECTOR                                |     |
| 19   | 80604021    | 1   | WEDGE LOCK                               |     |
| 19   | 4460465     | 4   | TERMINAL                                 |     |
| 20   | 250176      | 1   | CONNECTOR                                |     |
| 20   | 1001104519  | 2   | TERMINAL                                 |     |
| 21   | 4460930     | 1   | CONNECTOR                                |     |

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| ITEM | PART NUMBER | QTY | DESCRIPTION                | REV |
|------|-------------|-----|----------------------------|-----|
| 21   | 80604025    | 1   | WEDGE LOCK                 |     |
| 21   | 4460465     | 8   | TERMINAL                   |     |
| 22   | 4461118     | 1   | CONNECTOR                  |     |
| 22   | 1001116697  | 2   | TERMINAL                   |     |
| 23   | 4460043     | 1   | TERMINAL RING, 1/4, 16 AWG |     |
| 24   | 4460539     | 1   | CONNECTOR                  |     |
| 24   | 77363244    | 1   | WEDGE LOCK                 |     |
| 24   | 4460465     | 2   | TERMINAL                   |     |
| 24   | 4460466     | 1   | PLUG                       |     |

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FIGURE 10-8. FRAME OPTIONS HARNESS (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)





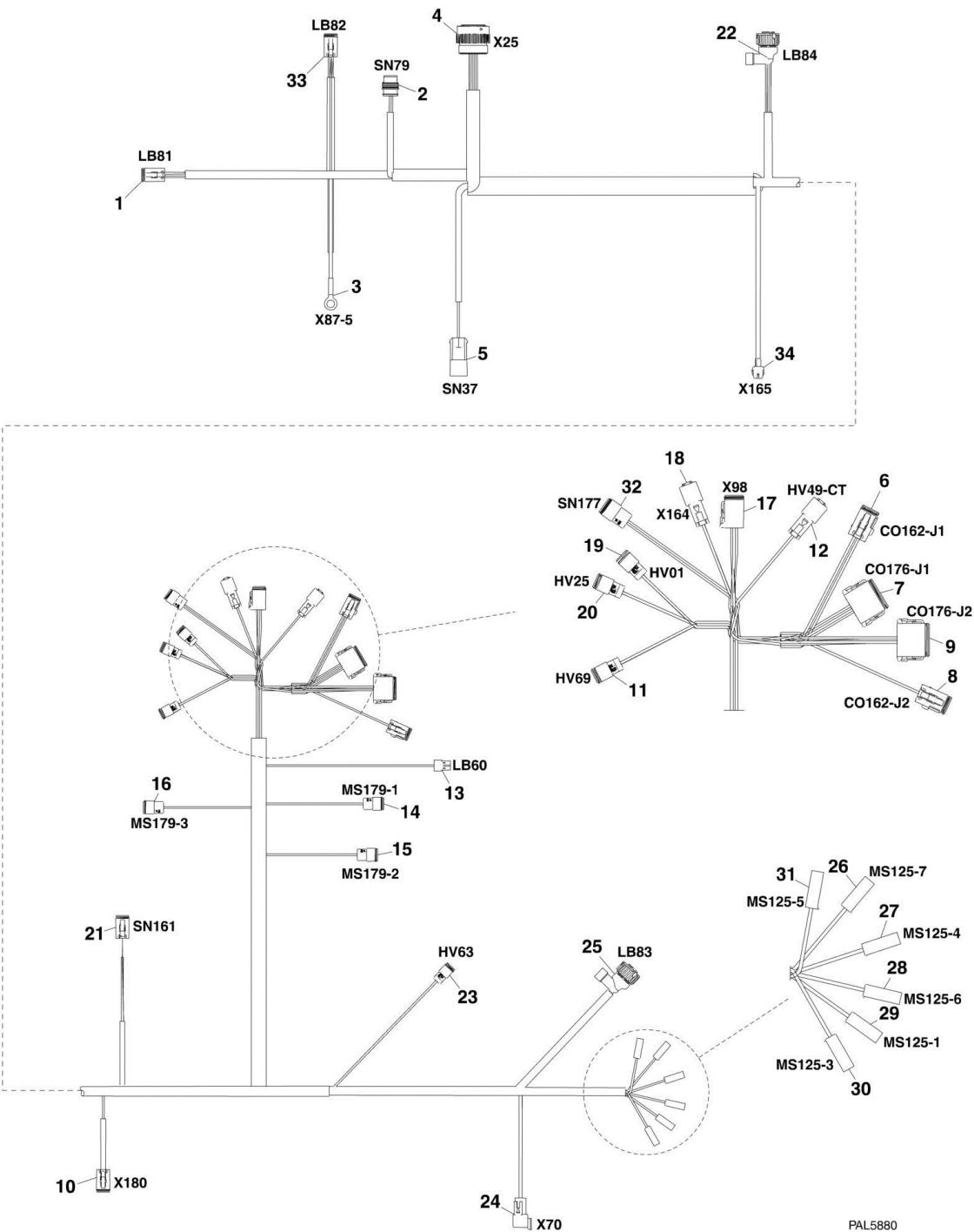
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**FIGURE 10-8. FRAME OPTIONS HARNESS (G5-18A SN 0160032850 through 0160053000, Excluding 0160051045; 2505 Prior to SN 0160042694; Excluding 0160051047, 0160051049, 0160051194 and 0160051359)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
|      | 1001080584  | 2   | FRAME OPTION HARNESS, (G5-18A, if equipped), (2505),<br>(includes all items) | G   |
| 1    | 4460894     | 2   | CONNECTOR                                                                    |     |
| 1    | 80604023    | 2   | WEDGE LOCK                                                                   |     |
| 1    | 4460942     | 2   | TERMINAL                                                                     |     |
| 1    | 4460942     | 8   | TERMINAL                                                                     |     |
| 1    | 4460466     | 2   | PLUG                                                                         |     |
| 2    | 8220164     | 1   | TERMINAL RING, 3/8, 8 AWG                                                    |     |
| 3    | 4461262     | 1   | CONNECTOR                                                                    |     |
| 3    | 1001107854  | 3   | TERMINAL                                                                     |     |
| 4    | 1001117026  | 1   | CONNECTOR                                                                    |     |
| 5    | 4460891     | 3   | CONNECTOR                                                                    |     |
| 5    | 80604018    | 3   | WEDGE LOCK                                                                   |     |
| 5    | 4460465     | 7   | TERMINAL                                                                     |     |
| 6    | 1001118672  | 1   | CONNECTOR                                                                    |     |
| 6    | 4460464     | 20  | TERMINAL                                                                     |     |
| 6    | 4460466     | 3   | PLUG                                                                         |     |
| 7    | 1001116996  | 2   | CONNECTOR, (includes boot)                                                   |     |
| 7    | 1001118392  | 10  | TERMINAL                                                                     |     |
| 7    | 4461008     | 4   | PLUG                                                                         |     |
| 8    | 1001117133  | 1   | CONNECTOR                                                                    |     |
| 8    | 1001104519  | 2   | TERMINAL                                                                     |     |
| 9    | 4460260     | 5   | CONNECTOR                                                                    |     |
| 9    | 1001118379  | 5   | TERMINAL                                                                     |     |

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FIGURE 10-9. FRAME OPTIONS HARNESS (2505 SN 0160042694 to Present)



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**FIGURE 10-9. FRAME OPTIONS HARNESS (2505 SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                         | REV |
|------|-------------|-----|-----------------------------------------------------|-----|
|      | 1001122279  | Ref | FRAME OPTIONS HARNESS, (2505), (includes all items) | G   |
| 1    | 4460894     | 1   | CONNECTOR                                           |     |
| 1    | 80604023    | 1   | WEDGE LOCK                                          |     |
| 1    | 4460942     | 1   | TERMINAL                                            |     |
| 1    | 4460942     | 4   | TERMINAL                                            |     |
| 1    | 4460466     | 1   | PLUG                                                |     |
| 2    | 4461262     | 1   | CONNECTOR                                           |     |
| 2    | 1001107854  | 3   | TERMINAL                                            |     |
| 3    | 8220164     | 1   | CONNECTOR                                           |     |
| 4    | N.S.S.      | 1   | CONNECTOR                                           |     |
| 4    | 4460466     | 5   | PLUG                                                |     |
| 4    | 4460464     | 26  | TERMINAL                                            |     |
| 5    | 1001117026  | 1   | CONNECTOR                                           |     |
| 5    | 8220890     | 1   | WEDGE LOCK                                          |     |
| 5    | 1001116729  | 2   | TERMINAL                                            |     |
| 6    | 1001116808  | 1   | CONNECTOR                                           |     |
| 6    | 4460915     | 1   | WEDGE LOCK                                          |     |
| 6    | 4460928     | 6   | TERMINAL                                            |     |
| 6    | 4460518     | 6   | PLUG                                                |     |
| 7    | 1001116808  | 1   | CONNECTOR                                           |     |
| 7    | 4460915     | 1   | WEDGE LOCK                                          |     |
| 7    | 4460928     | 12  | TERMINAL                                            |     |
| 8    | 1001116774  | 1   | CONNECTOR                                           |     |
| 8    | 4460915     | 1   | WEDGE LOCK                                          |     |
| 8    | 4460928     | 4   | TERMINAL                                            |     |
| 8    | 4460518     | 8   | PLUG                                                |     |
| 9    | 1001116774  | 1   | CONNECTOR                                           |     |
| 9    | 4460915     | 1   | WEDGE LOCK                                          |     |
| 9    | 4460928     | 7   | TERMINAL                                            |     |
| 9    | 4460518     | 5   | PLUG                                                |     |
| 10   | 4460851     | 1   | CONNECTOR                                           |     |
| 10   | 80604025    | 1   | WEDGE LOCK                                          |     |
| 10   | 4460465     | 7   | TERMINAL                                            |     |
| 10   | 4460466     | 1   | PLUG                                                |     |
| 11   | 4460891     | 1   | CONNECTOR                                           |     |
| 11   | 80604018    | 1   | WEDGE LOCK                                          |     |
| 11   | 4460465     | 2   | TERMINAL                                            |     |
| 12   | 4460897     | 1   | CONNECTOR                                           |     |
| 12   | 80604017    | 1   | WEDGE LOCK                                          |     |
| 12   | 4460464     | 1   | TERMINAL                                            |     |
| 12   | 4460466     | 1   | PLUG                                                |     |
| 13   | 1001117133  | 1   | CONNECTOR                                           |     |
| 13   | 1001104519  | 2   | TERMINAL                                            |     |
| 14   | 1001116812  | 1   | CONNECTOR                                           |     |
| 14   | 91554019    | 1   | WEDGE LOCK                                          |     |
| 14   | 4460944     | 2   | TERMINAL                                            |     |
| 14   | 4460466     | 1   | PLUG                                                |     |
| 15   | 4460539     | 1   | CONNECTOR                                           |     |
| 15   | 77363244    | 1   | WEDGE LOCK                                          |     |
| 15   | 4460944     | 3   | TERMINAL                                            |     |

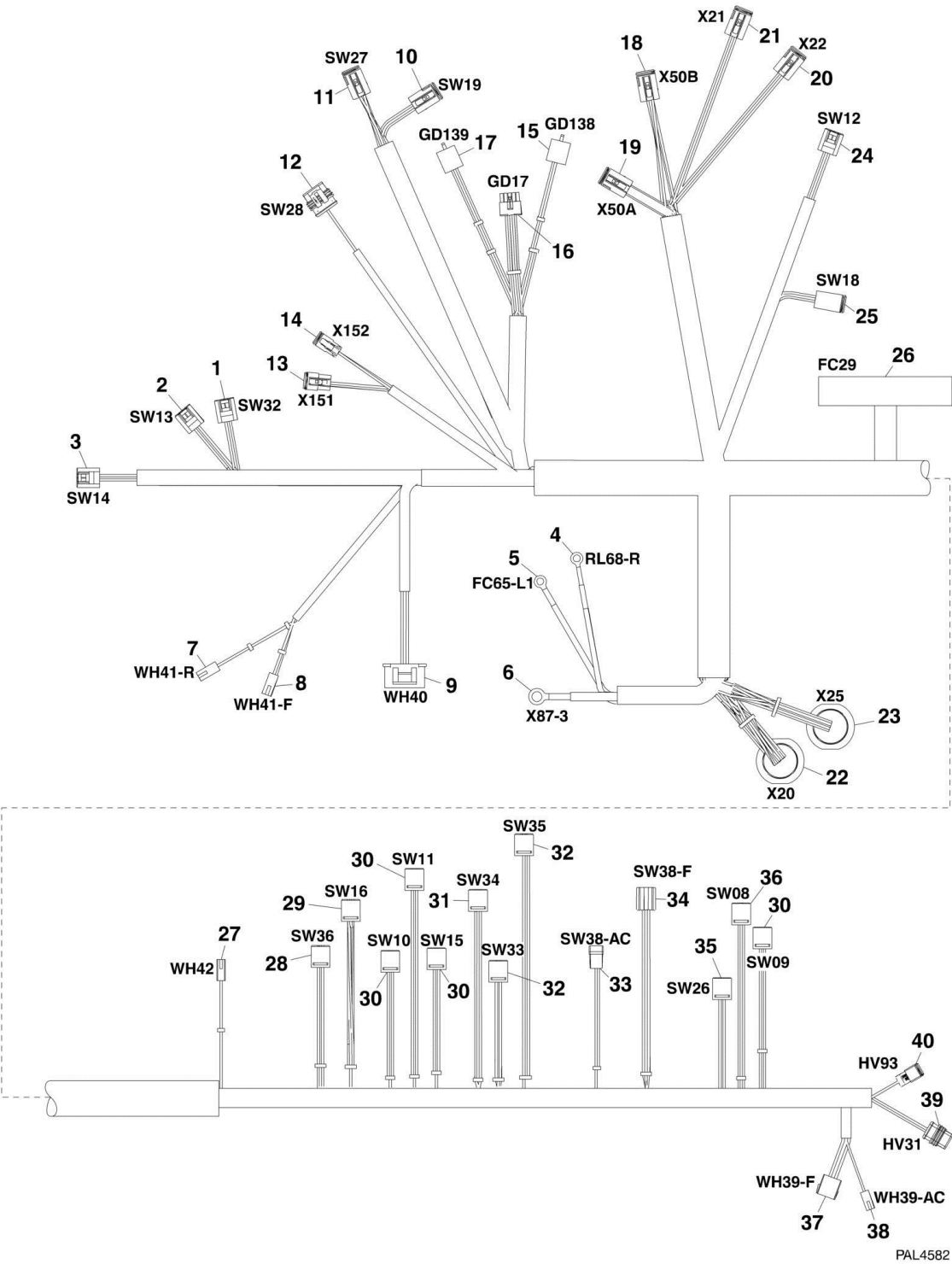
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| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|-------------|-----|
| 16   | 1001116812  | 1   | CONNECTOR   |     |
| 16   | 91554019    | 1   | WEDGE LOCK  |     |
| 16   | 4460944     | 2   | TERMINAL    |     |
| 16   | 4460466     | 1   | PLUG        |     |
| 17   | 4460894     | 1   | CONNECTOR   |     |
| 17   | 80604023    | 1   | WEDGE LOCK  |     |
| 17   | 4460465     | 6   | TERMINAL    |     |
| 18   | 4460911     | 1   | CONNECTOR   |     |
| 18   | 4460464     | 2   | TERMINAL    |     |
| 19   | 4460891     | 1   | CONNECTOR   |     |
| 19   | 80604018    | 1   | WEDGE LOCK  |     |
| 19   | 4460465     | 2   | TERMINAL    |     |
| 20   | 4460891     | 1   | CONNECTOR   |     |
| 20   | 80604018    | 1   | WEDGE LOCK  |     |
| 20   | 4460465     | 2   | TERMINAL    |     |
| 21   | 4460539     | 1   | CONNECTOR   |     |
| 21   | 77363244    | 1   | WEDGE LOCK  |     |
| 21   | 4460465     | 3   | TERMINAL    |     |
| 22   | 1001119669  | 1   | CONNECTOR   |     |
| 22   | 1001118392  | 5   | TERMINAL    |     |
| 22   | 4461008     | 2   | PLUG        |     |
| 23   | 4460891     | 1   | CONNECTOR   |     |
| 23   | 80604018    | 1   | WEDGE LOCK  |     |
| 23   | 4460465     | 2   | TERMINAL    |     |
| 24   | 4460536     | 1   | CONNECTOR   |     |
| 24   | 80604019    | 1   | WEDGE LOCK  |     |
| 24   | 4460464     | 3   | TERMINAL    |     |
| 25   | 1001119669  | 1   | CONNECTOR   |     |
| 25   | 1001118392  | 5   | TERMINAL    |     |
| 25   | 4461008     | 2   | PLUG        |     |
| 26   | 4460260     | 1   | CONNECTOR   |     |
| 26   | 1001118379  | 1   | TERMINAL    |     |
| 27   | 4460260     | 1   | CONNECTOR   |     |
| 27   | 1001118379  | 1   | TERMINAL    |     |
| 28   | 4460260     | 1   | CONNECTOR   |     |
| 28   | 1001118379  | 1   | TERMINAL    |     |
| 29   | 4460260     | 1   | CONNECTOR   |     |
| 29   | 1001118379  | 1   | TERMINAL    |     |
| 30   | 4460260     | 1   | CONNECTOR   |     |
| 30   | 1001118379  | 1   | TERMINAL    |     |
| 31   | 4460260     | 1   | CONNECTOR   |     |
| 31   | 1001118379  | 1   | TERMINAL    |     |
| 32   | 4460911     | 1   | CONNECTOR   |     |
| 32   | 4460928     | 3   | TERMINAL    |     |
| 33   | 4460894     | 1   | CONNECTOR   |     |
| 33   | 80604023    | 1   | WEDGE LOCK  |     |
| 33   | 4460942     | 1   | TERMINAL    |     |
| 33   | 4460942     | 4   | TERMINAL    |     |
| 33   | 4460466     | 1   | PLUG        |     |
| 34   | 4460761     | 1   | CONNECTOR   |     |
| 34   | 4460227     | 4   | TERMINAL    |     |



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FIGURE 10-10. CAB HARNESS (G5-18A Prior to SN 0160046189, Excluding 0160045424 and 0160045775; 2505 Prior to SN 0160042694)



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| FC29     |                  |       |        |      | WH39-AC  |                  |       |        |      | SW14     |                  |       |        |      | SW36     |                  |       |        |      |
|----------|------------------|-------|--------|------|----------|------------------|-------|--------|------|----------|------------------|-------|--------|------|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| F21_A    | 062-11           | YEL   | 16 AWG | GXL  | 1        | 073-6            | BRN   | 16 AWG | GXL  | 1        |                  |       |        |      | 1        | 076-7            | GRN   | 16 AWG | GXL  |
| F21_B    | 062-10-1         | YEL   | 16 AWG | GXL  | 2        | 073-7            | BRN   | 16 AWG | GXL  | 2        | 062-3-1          | YEL   | 16 AWG | GXL  | 2        | 062-2-5          | YEL   | 16 AWG | GXL  |
| F21_B    | 062-10-2         | YEL   | 16 AWG | GXL  | GD17     |                  |       |        |      | 3        | 076-4            | GRN   | 16 AWG | GXL  | 3        |                  |       |        |      |
| F22_A    | 062-12           | YEL   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 4        |                  |       |        |      | 4        | 065-1            | ORG   | 16 AWG | GXL  |
| F22_A    | 062-12-1         | YEL   | 16 AWG | GXL  | 1        | 062-4-3          | YEL   | 16 AWG | GXL  | 5        | 000-8-6          | BLK   | 16 AWG | GXL  | 5        | 062-2-3          | YEL   | 16 AWG | GXL  |
| F22_B    | 062-10-2         | YEL   | 16 AWG | GXL  | 2        | 070-1-2          | BLU   | 16 AWG | GXL  | 6        | 076-5            | GRN   | 16 AWG | GXL  | 5        | 062-2-4          | YEL   | 16 AWG | GXL  |
| F23_B    | 062-10-3         | YEL   | 16 AWG | GXL  | 3        | 048-6            | GRY   | 16 AWG | GXL  | 7        | 000-8-14         | BLK   | 16 AWG | GXL  | 6        | 065-4-2          | ORG   | 16 AWG | GXL  |
| F23_B    | 062-10-4         | YEL   | 16 AWG | GXL  | 4        | 048-9            | GRY   | 16 AWG | GXL  | 7        | 000-8-15         | BLK   | 16 AWG | GXL  | 7        | 000-8-16         | BLK   | 16 AWG | GXL  |
| F24_A    | 062-14           | YEL   | 16 AWG | GXL  | 5        | 000-8-8          | BLK   | 16 AWG | GXL  | 8        | 070-1-7          | BLU   | 16 AWG | GXL  | 7        | 000-8-17         | BLK   | 16 AWG | GXL  |
| F24_A    | 062-14-1         | YEL   | 16 AWG | GXL  | 6        | 048-8            | GRY   | 16 AWG | GXL  | 8        | 070-1-8          | BLU   | 16 AWG | GXL  | 8        | 070-1-10         | BLU   | 16 AWG | GXL  |
| F24_B    | 062-10-4         | YEL   | 16 AWG | GXL  | 7        | 077-2-2          | ORG   | 16 AWG | GXL  | SW13     |                  |       |        |      | 8        | 070-1-9          | BLU   | 16 AWG | GXL  |
| F25_A    | 062-15           | YEL   | 16 AWG | GXL  | 8        | 048-5            | GRY   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | SW16     |                  |       |        |      |
| F25_B    | 062-10-5         | YEL   | 16 AWG | GXL  | 9        | 048-7            | GRY   | 16 AWG | GXL  | 1        | 077-1            | ORG   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| F26_A    | 062-16           | YEL   | 14 AWG | GXL  | 10       | 065-3-2          | ORG   | 16 AWG | GXL  | 2        | 062-2-1          | YEL   | 16 AWG | GXL  | 3        |                  |       |        |      |
| F26_B    | 062-10-6         | YEL   | 14 AWG | GXL  | 11       | 048-4-2          | GRY   | 16 AWG | GXL  | 3        | 077-2-1          | ORG   | 16 AWG | GXL  | 6        | 065-3            | ORG   | 16 AWG | GXL  |
| F27_A    | 062-17           | YEL   | 14 AWG | GXL  | 12       | 078-3            | WHT   | 16 AWG | GXL  | 3        | 077-2-2          | ORG   | 16 AWG | GXL  | 9        | 000-8-17         | BLK   | 16 AWG | GXL  |
| F27_B    | 062-10-7         | YEL   | 14 AWG | GXL  | 13       |                  |       |        |      | 4        |                  |       |        |      | 9        | 000-8-18         | BLK   | 16 AWG | GXL  |
| F28_A    | 062-18           | YEL   | 12 AWG | GXL  | 14       | 065-4-1          | ORG   | 16 AWG | GXL  | 5        |                  |       |        |      | 10       | 070-1-10         | BLU   | 16 AWG | GXL  |
| F28_B    | 062-10-8         | YEL   | 12 AWG | GXL  | 15       | 065-2-2          | ORG   | 16 AWG | GXL  | 6        |                  |       |        |      | 10       | 070-1-11         | BLU   | 16 AWG | GXL  |
| F29_A    |                  |       |        |      | GD138    |                  |       |        |      | 7        | 000-8-13         | BLK   | 16 AWG | GXL  | 11       | 065-2            | ORG   | 16 AWG | GXL  |
| F29_B    |                  |       |        |      | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 7        | 000-8-14         | BLK   | 16 AWG | GXL  | 12       |                  |       |        |      |
| F30_A    |                  |       |        |      | 1A       | 071-14           | BLU   | 16 AWG | GXL  | 8        | 070-1-6          | BLU   | 16 AWG | GXL  | 13       | 065-1            | ORG   | 16 AWG | GXL  |
| F30_B    |                  |       |        |      | 1A       | 071-17           | BLU   | 16 AWG | GXL  | 8        | 070-1-7          | BLU   | 16 AWG | GXL  | 13       | 065-1-1          | ORG   | 16 AWG | GXL  |
| F31_A    | 071-7            | BLU   | 16 AWG | GXL  | 1B       | 000-8-10         | BLK   | 16 AWG | GXL  | SW32     |                  |       |        |      | 14       |                  |       |        |      |
| F31_B    | 071-3            | BLU   | 16 AWG | GXL  | 2A       | 071-3-3          | BLU   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 15       | 065-4            | ORG   | 16 AWG | GXL  |
| F31_B    | 071-3-1          | BLU   | 16 AWG | GXL  | 2B       | 000-8-9          | BLK   | 16 AWG | GXL  | 1        |                  |       |        |      | 16       | 065-1-1          | ORG   | 16 AWG | GXL  |
| F32_A    | 071-8            | BLU   | 16 AWG | GXL  | WH39-F   |                  |       |        |      | 2        | 062-12           | YEL   | 16 AWG | GXL  | 16       | 065-1-2          | ORG   | 16 AWG | GXL  |
| F32_B    | 071-3-1          | BLU   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 2        | 062-12-2         | YEL   | 16 AWG | GXL  | X20      |                  |       |        |      |
| F32_B    | 071-3-3          | BLU   | 16 AWG | GXL  | 1        | 073-3            | BRN   | 12 AWG | GXL  | 3        | 076-9            | GRN   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| F33_A    | 071-9            | BLU   | 16 AWG | GXL  | 2        | 000-7-1          | BLK   | 12 AWG | GXL  | 4        |                  |       |        |      | 1        | 062-1            | YEL   | 16 AWG | GXL  |
| F33_B    | 071-2            | BLU   | 16 AWG | GXL  | 3        | 073-1            | BRN   | 12 AWG | GXL  | 5        |                  |       |        |      | 2        | 061-5            | RED   | 16 AWG | GXL  |
| F33_B    | 071-2-1          | BLU   | 16 AWG | GXL  | 4        | 073-2            | BRN   | 12 AWG | GXL  | 6        |                  |       |        |      | 3        | 061-4            | RED   | 16 AWG | GXL  |
| F34_A    | 071-10           | BLU   | 16 AWG | GXL  | HV93     |                  |       |        |      | 7        | 000-8-13         | BLK   | 16 AWG | GXL  | 4        | 062-2            | YEL   | 16 AWG | GXL  |
| F34_B    | 071-2-1          | BLU   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 7        | 000-8-7          | BLK   | 16 AWG | GXL  | 5        | 062-3            | YEL   | 16 AWG | GXL  |
| F35_A    | 071-11           | BLU   | 16 AWG | GXL  | 1        | 077-1-1          | ORG   | 16 AWG | GXL  | 8        | 070-1-5          | BLU   | 16 AWG | GXL  | 6        | 062-4-1          | YEL   | 16 AWG | GXL  |
| F35_B    | 071-1-3          | BLU   | 16 AWG | GXL  | 2        | 000-8-4          | BLK   | 16 AWG | GXL  | 8        | 070-1-6          | BLU   | 16 AWG | GXL  | 7        | 051-3            | BLU   | 16 AWG | GXL  |
| F36_A    | 071-12           | BLU   | 16 AWG | GXL  | HV31     |                  |       |        |      | SW28     |                  |       |        |      | 8        | 051-5            | BLU   | 16 AWG | GXL  |
| F36_B    | 071-1-4          | BLU   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 9        | 051-2            | BLU   | 16 AWG | GXL  |
| F37_A    | 061-7            | RED   | 16 AWG | GXL  | 1        | 062-2-4          | YEL   | 16 AWG | GXL  | 1        |                  |       |        |      | 10       | 051-4            | BLU   | 16 AWG | GXL  |
| F37_B    | 061-6-1          | RED   | 16 AWG | GXL  | 2        | 077-2            | ORG   | 16 AWG | GXL  | 2        | 061-8-2          | RED   | 16 AWG | GXL  | 11       | 062-9            | YEL   | 16 AWG | GXL  |
| F38_A    | 061-8            | RED   | 16 AWG | GXL  | 3        | 077-1-2          | ORG   | 16 AWG | GXL  | 3        | 071-16           | BLU   | 16 AWG | GXL  | 12       | 070-1-1          | BLU   | 16 AWG | GXL  |
| F38_B    | 061-6-2          | RED   | 16 AWG | GXL  | WH40     |                  |       |        |      | 4        |                  |       |        |      | 13       | 076-3            | GRN   | 16 AWG | GXL  |
| F39_A    | 061-9            | RED   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 5        | 061-8-1          | RED   | 16 AWG | GXL  | 14       | 065-2-1          | ORG   | 16 AWG | GXL  |
| F39_B    | 061-6-3          | RED   | 16 AWG | GXL  | 1        | 074-2            | BRN   | 14 AWG | GXL  | 6        | 071-5-5          | BLU   | 16 AWG | GXL  | 15       | 065-3-1          | ORG   | 16 AWG | GXL  |
| F40_A    | 073-5            | BRN   | 16 AWG | GXL  | 2        | 074-3            | BRN   | 14 AWG | GXL  | 7        | 071-4            | BLU   | 16 AWG | GXL  | 16       | 052-1            | BLU   | 16 AWG | GXL  |
| F40_B    | 073-4            | BRN   | 16 AWG | GXL  | 3        | 074-5            | BRN   | 14 AWG | GXL  | 8        | 071-6-5          | BLU   | 16 AWG | GXL  | 17       | 048-3            | GRY   | 16 AWG | GXL  |
| R11_30   | 048-2            | GRY   | 16 AWG | GXL  | 4        |                  |       |        |      | SW27     |                  |       |        |      | 18       | 048-4-1          | GRY   | 16 AWG | GXL  |
| R11_85   | 077-2            | ORG   | 16 AWG | GXL  | 5        | 000-6-3          | BLK   | 14 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 19       | 048-9            | GRY   | 16 AWG | GXL  |
| R11_85   | 077-2-1          | ORG   | 16 AWG | GXL  | WH41-F   |                  |       |        |      | 1        | 070-1            | BLU   | 16 AWG | GXL  | 20       | 048-6            | GRY   | 16 AWG | GXL  |
| R11_88   | 000-7-5          | BLK   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 2        | 061-7            | RED   | 16 AWG | GXL  | 21       | 048-7            | GRY   | 16 AWG | GXL  |
| R11_87   | 048-3            | GRY   | 16 AWG | GXL  | 1        | 074-6            | BRN   | 14 AWG | GXL  | 3        | 071-2            | BLU   | 16 AWG | GXL  | 22       | 048-8            | GRY   | 16 AWG | GXL  |
| R11_87a  |                  |       |        |      | 2        | 074-3            | BRN   | 14 AWG | GXL  | 4        | 071-3            | BLU   | 16 AWG | GXL  | 23       | 048-5            | GRY   | 16 AWG | GXL  |
| R12_30   |                  |       |        |      | 3        | 074-5            | BRN   | 14 AWG | GXL  | 5        | 061-8-1          | RED   | 16 AWG | GXL  | 24       | 007-1            | ORG   | 16 AWG | GXL  |
| R12_85   |                  |       |        |      | 4        |                  |       |        |      | 6        | 071-5-5          | BLU   | 16 AWG | GXL  | 25       | 008-1            | ORG   | 16 AWG | GXL  |
| R12_86   |                  |       |        |      | 5        | 000-6-3          | BLK   | 14 AWG | GXL  | 7        | 071-4            | BLU   | 16 AWG | GXL  | 26       | 076-4            | GRN   | 16 AWG | GXL  |
| R12_87   |                  |       |        |      | WH41-R   |                  |       |        |      | 8        | 071-6-5          | BLU   | 16 AWG | GXL  | 27       | 076-5            | GRN   | 16 AWG | GXL  |
| R12_87a  |                  |       |        |      | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | SW19     |                  |       |        |      | 28       | 008-2-2          | BLU   | 16 AWG | GXL  |
| X1_31    | 000-7-4          | BLK   | 16 AWG | GXL  | 1        | 074-6            | BRN   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 29       | 073-7            | BRN   | 16 AWG | GXL  |
| X1_31    | 000-7-5          | BLK   | 16 AWG | GXL  | 2        | 000-6-2          | BLK   | 16 AWG | GXL  | 1        | 007-1            | ORG   | 16 AWG | GXL  | 30       | 061-2            | RED   | 16 AWG | GXL  |
| X1_49    | 071-13           | BLU   | 16 AWG | GXL  | 2        | 000-6-5          | BLK   | 16 AWG | GXL  | 2        | 077-1-3          | ORG   | 16 AWG | GXL  | 31       |                  |       |        |      |
| X1_49a   | 071-4            | BLU   | 16 AWG | GXL  | WH41-R   |                  |       |        |      | 3        | 008-1            | ORG   | 16 AWG | GXL  | SW10     |                  |       |        |      |
| X1_49a   | 071-4-1          | BLU   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 4        |                  |       |        |      | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| X1_C1    |                  |       |        |      | 1        | 074-7            | BRN   | 16 AWG | GXL  | 5        | 048-2            | GRY   | 16 AWG | GXL  | 1        |                  |       |        |      |
| X1_C2    | 071-15           | BLU   | 16 AWG | GXL  | 2        | 000-6-5          | BLK   | 16 AWG | GXL  | 6        | 048-1            | GRY   | 16 AWG | GXL  | 2        | 051-3            | BLU   | 16 AWG | GXL  |
| GD139    |                  |       |        |      | FC65-L1  |                  |       |        |      | X21      |                  |       |        |      | 3        | 051-5            | BLU   | 16 AWG | GXL  |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 4        |                  |       |        |      |
| 1A       | 071-15           | BLU   | 16 AWG | GXL  | 1        | 062-10           | YEL   | 8 AWG  | SXL  | 1        | 065-1-2          | ORG   | 16 AWG | GXL  | 5        |                  |       |        |      |
| 1B       | 000-8-11         | BLK   | 16 AWG | GXL  | X87-3    |                  |       |        |      | 2        | 062-2-2          | YEL   | 16 AWG | GXL  | 6        |                  |       |        |      |
| 2A       | 077-3            | ORG   | 16 AWG | GXL  | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 3        | 070-1-19         | BLU   | 16 AWG | GXL  | 7        | 000-8-18         | BLK   | 16 AWG | GXL  |
| 2B       | 000-8-12         | BLK   | 16 AWG | GXL  | 1        | 000-5            | BLK   | 6 AWG  | SGT  | 4        | 062-4-4          | YEL   | 16 AWG | GXL  | 7        | 000-8-19         | BLK   | 16 AWG | GXL  |
| RL68-R   |                  |       |        |      | WH42     |                  |       |        |      | CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE | 8        | 070-1-11         | BLU   | 16 AWG | GXL  |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |          |                  |       |        |      | 1        | 061-2            | RED   | 16 AWG | GXL  | 8        | 070-1-12         | BLU   | 16 AWG | GXL  |
| 1        | 061-6            | RED   | 10 AWG | SXL  |          |                  |       |        |      | 2        | 000-8-31         | BLK   | 18 AWG | GXL  |          |                  |       |        |      |

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| X151     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 076-8            | GRN   | 16 AWG | GXL  |
| 2        | 076-6            | GRN   | 16 AWG | GXL  |
| 3        | 076-9            | GRN   | 16 AWG | GXL  |
| X152     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-12-1         | YEL   | 16 AWG | GXL  |
| 2        | 000-6-9          | BLK   | 16 AWG | GXL  |
| SW18     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-1            | YEL   | 16 AWG | GXL  |
| 2        |                  |       |        |      |
| 3        | 048-1            | GRY   | 16 AWG | GXL  |
| 4        | 061-5            | RED   | 16 AWG | GXL  |
| 5        | 048-4            | GRY   | 16 AWG | GXL  |
| 6        |                  |       |        |      |
| SW12     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 052-1            | BLU   | 16 AWG | GXL  |
| 3        | 061-4            | RED   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-15         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-16         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-8          | BLU   | 16 AWG | GXL  |
| 8        | 070-1-9          | BLU   | 16 AWG | GXL  |
| X50B     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 000-7-3          | BLK   | 16 AWG | GXL  |
| 2        | 062-13           | YEL   | 16 AWG | GXL  |
| 3        | 061-9            | RED   | 16 AWG | GXL  |
| 4        | 074-9            | BRN   | 14 AWG | GXL  |
| 5        | 074-8            | BRN   | 14 AWG | GXL  |
| 6        | 000-6-4          | BLK   | 14 AWG | GXL  |
| 7        | 000-7-2          | BLK   | 16 AWG | GXL  |
| 8        |                  |       |        |      |
| X22      |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 051-6            | BLU   | 16 AWG | GXL  |
| 2        | 000-8-3          | BLK   | 16 AWG | GXL  |
| 3        | 051-7            | BLU   | 16 AWG | GXL  |
| 4        | 000-8-2          | BLK   | 16 AWG | GXL  |
| 5        | 072-1            | BLU   | 16 AWG | GXL  |
| 6        | 000-8-1          | BLK   | 16 AWG | GXL  |
| X25      |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| A        | 071-6-1          | BLU   | 16 AWG | GXL  |
| B        | 071-5-1          | BLU   | 16 AWG | GXL  |
| C        | 071-12           | BLU   | 16 AWG | GXL  |
| D        | 071-11           | BLU   | 16 AWG | GXL  |
| E        | 071-10           | BLU   | 16 AWG | GXL  |
| F        | 071-9            | BLU   | 16 AWG | GXL  |
| G        | 071-8            | BLU   | 16 AWG | GXL  |
| H        | 071-7            | BLU   | 16 AWG | GXL  |
| J        | TP CAN CABLE     | SHLD  | 18 AWG |      |
| K        | 071-16           | BLU   | 16 AWG | GXL  |
| L        | 062-14-1         | YEL   | 16 AWG | GXL  |
| M        | 052-2            | WHT   | 16 AWG | GXL  |
| N        | 076-7            | GRN   | 16 AWG | GXL  |
| O        | TP CAN CABLE     | BLK   | 18 AWG |      |
| P        | TP CAN CABLE     | RED   | 18 AWG |      |
| Q        | 076-6            | GRN   | 16 AWG | GXL  |
| R        | 008-2-2          | BLU   | 16 AWG | GXL  |
| S        |                  |       |        |      |
| T        | 078-3            | WHT   | 16 AWG | GXL  |
| U        | 062-4-5          | YEL   | 16 AWG | GXL  |
| V        | 077-3            | ORG   | 16 AWG | GXL  |
| W        |                  |       |        |      |
| X        |                  |       |        |      |
| X50A     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-12-2         | YEL   | 16 AWG | GXL  |
| 2        | TP CAN CABLE     | SHLD  | 18 AWG |      |
| 3        | TP CAN CABLE     | BLK   | 18 AWG |      |
| 4        | TP CAN CABLE     | RED   | 18 AWG |      |
| 5        | 076-8            | GRN   | 16 AWG | GXL  |
| 6        | 070-1-20         | BLU   | 16 AWG | GXL  |
| 7        | 062-14           | YEL   | 16 AWG | GXL  |
| 8        | 052-2            | WHT   | 16 AWG | GXL  |
| SW08     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 062-3            | YEL   | 16 AWG | GXL  |
| 2        | 062-3-1          | YEL   | 16 AWG | GXL  |
| 3        | 076-3            | GRN   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-26         | BLK   | 16 AWG | GXL  |
| 8        |                  |       |        |      |
| SW26     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-11           | YEL   | 16 AWG | GXL  |
| 2        | 071-13           | BLU   | 16 AWG | GXL  |
| 3        | 061-8-3          | RED   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        | 071-4-1          | BLU   | 16 AWG | GXL  |
| 7        |                  |       |        |      |
| 8        | 070-1-18         | BLU   | 16 AWG | GXL  |
| 10       | 000-8-25         | BLK   | 16 AWG | GXL  |
| 10       | 000-8-26         | BLK   | 16 AWG | GXL  |
| 17       | 071-5-1          | BLU   | 16 AWG | GXL  |
| 17       | 071-5            | BLU   | 16 AWG | GXL  |
| 18       | 071-6-1          | BLU   | 16 AWG | GXL  |
| 18       | 071-6            | BLU   | 16 AWG | GXL  |
| SW09     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 062-9            | YEL   | 16 AWG | GXL  |
| 3        | 072-1            | BLU   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-24         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-25         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-17         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-18         | BLU   | 16 AWG | GXL  |
| SW38-F   |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| B        | 062-18           | YEL   | 12 AWG | GXL  |
| C        | 073-4            | BRN   | 16 AWG | GXL  |
| H        | 073-3            | BRN   | 12 AWG | GXL  |
| L        | 073-1            | BRN   | 12 AWG | GXL  |
| M        | 073-2            | BRN   | 12 AWG | GXL  |
| SW38-AC  |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| A        | 073-6            | BRN   | 16 AWG | GXL  |
| B        | 073-5            | BRN   | 16 AWG | GXL  |
| C        | 000-6-8          | BLK   | 16 AWG | GXL  |
| SW35     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 074-9            | BRN   | 14 AWG | GXL  |
| 2        | 062-16           | YEL   | 14 AWG | GXL  |
| 3        | 074-8            | BRN   | 14 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        | 062-15-1         | YEL   | 16 AWG | GXL  |
| 6        | 074-7            | BRN   | 16 AWG | GXL  |
| 7        | 000-8-23         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-24         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-16         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-17         | BLU   | 16 AWG | GXL  |
| SW34     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 074-4            | BRN   | 14 AWG | GXL  |
| 2        | 062-17           | YEL   | 14 AWG | GXL  |
| 3        | 074-1            | BRN   | 14 AWG | GXL  |
| 4        | 074-2            | BRN   | 14 AWG | GXL  |
| 4        | 074-2-1          | BRN   | 14 AWG | GXL  |
| 5        | 074-1            | BRN   | 14 AWG | GXL  |
| 6        | 074-3            | BRN   | 14 AWG | GXL  |
| 7        | 000-8-21         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-22         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-14         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-15         | BLU   | 16 AWG | GXL  |
| SW33     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 074-6            | BRN   | 16 AWG | GXL  |
| 2        | 062-15           | YEL   | 16 AWG | GXL  |
| 2        | 062-15-1         | YEL   | 16 AWG | GXL  |
| 3        |                  |       |        |      |
| 4        | 074-2-1          | BRN   | 14 AWG | GXL  |
| 5        | 074-4            | BRN   | 14 AWG | GXL  |
| 6        | 074-5            | BRN   | 14 AWG | GXL  |
| 7        | 000-8-22         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-23         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-15         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-16         | BLU   | 16 AWG | GXL  |
| SW15     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 051-4            | BLU   | 16 AWG | GXL  |
| 3        | 051-7            | BLU   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-20         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-21         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-13         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-14         | BLU   | 16 AWG | GXL  |
| SW11     |                  |       |        |      |
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 051-2            | BLU   | 16 AWG | GXL  |
| 3        | 051-6            | BLU   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-19         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-20         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-12         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-13         | BLU   | 16 AWG | GXL  |

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**FIGURE 10-10. CAB HARNESS (G5-18A Prior to SN 0160046189, Excluding 0160045424 and 0160045775; 2505 Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                       | REV |
|------|-------------|-----|-----------------------------------|-----|
|      | 1001080757  | 1   | CAB HARNESS, (includes all items) | L   |
| 1    | 1001117081  | 1   | CONNECTOR                         |     |
| 1    | 1001104519  | 7   | TERMINAL                          |     |
| 2    | 1001117081  | 1   | CONNECTOR                         |     |
| 2    | 1001104519  | 8   | TERMINAL                          |     |
| 3    | 1001117081  | 1   | CONNECTOR                         |     |
| 3    | 1001104519  | 8   | TERMINAL                          |     |
| 4    | 4460312     | 1   | TERMINAL RING, 1/4, 10-12 AWG     |     |
| 5    | 1001117106  | 1   | TERMINAL RING, 1/4, 8 AWG         |     |
| 6    | 8220115     | 1   | TERMINAL RING, 3/8, 6 AWG         |     |
| 7    | 4460994     | 1   | CONNECTOR                         |     |
| 7    | 1001104519  | 2   | TERMINAL                          |     |
| 8    | 4460994     | 1   | CONNECTOR                         |     |
| 8    | 1001104519  | 3   | TERMINAL                          |     |
| 9    | 1001127066  | 1   | CONNECTOR                         |     |
| 9    | 1001116698  | 4   | TERMINAL                          |     |
| 10   | 4460894     | 1   | CONNECTOR                         |     |
| 10   | 80604023    | 1   | WEDGE LOCK                        |     |
| 10   | 4460466     | 1   | PLUG                              |     |
| 10   | 4460465     | 5   | TERMINAL                          |     |
| 11   | 4460930     | 1   | CONNECTOR                         |     |
| 11   | 80604025    | 1   | WEDGE LOCK                        |     |
| 11   | 4460465     | 8   | TERMINAL                          |     |
| 12   | 1001103012  | 1   | CONNECTOR                         |     |
| 12   | 1001107854  | 2   | TERMINAL                          |     |
| 12   | 1001116698  | 2   | PLUG                              |     |
| 13   | 4460539     | 1   | CONNECTOR                         |     |
| 13   | 77363244    | 1   | WEDGE LOCK                        |     |
| 13   | 4460465     | 3   | TERMINAL                          |     |
| 14   | 4460891     | 1   | CONNECTOR                         |     |
| 14   | 77363244    | 1   | WEDGE LOCK                        |     |
| 14   | 4460465     | 3   | TERMINAL                          |     |
| 15   | 1001117119  | 1   | CONNECTOR                         |     |
| 15   | 3990013     | 2   | DIODE                             |     |
| 15   | 4460419     | 5   | TERMINAL                          |     |
| 16   | 1001117005  | 1   | CONNECTOR                         |     |
| 16   | 1001116713  | 14  | TERMINAL                          |     |
| 17   | 1001117119  | 1   | CONNECTOR                         |     |
| 17   | 4460419     | 4   | TERMINAL                          |     |
| 18   | 4460851     | 1   | CONNECTOR                         |     |
| 18   | 80604025    | 1   | WEDGE LOCK                        |     |
| 18   | 4460465     | 8   | TERMINAL                          |     |
| 19   | 4460930     | 1   | CONNECTOR                         |     |
| 19   | 80604025    | 1   | WEDGE LOCK                        |     |
| 19   | 4460465     | 8   | TERMINAL                          |     |
| 20   | 4460894     | 1   | CONNECTOR                         |     |
| 20   | 80604023    | 1   | WEDGE LOCK                        |     |
| 20   | 4460465     | 6   | TERMINAL                          |     |
| 21   | 4460884     | 1   | CONNECTOR                         |     |

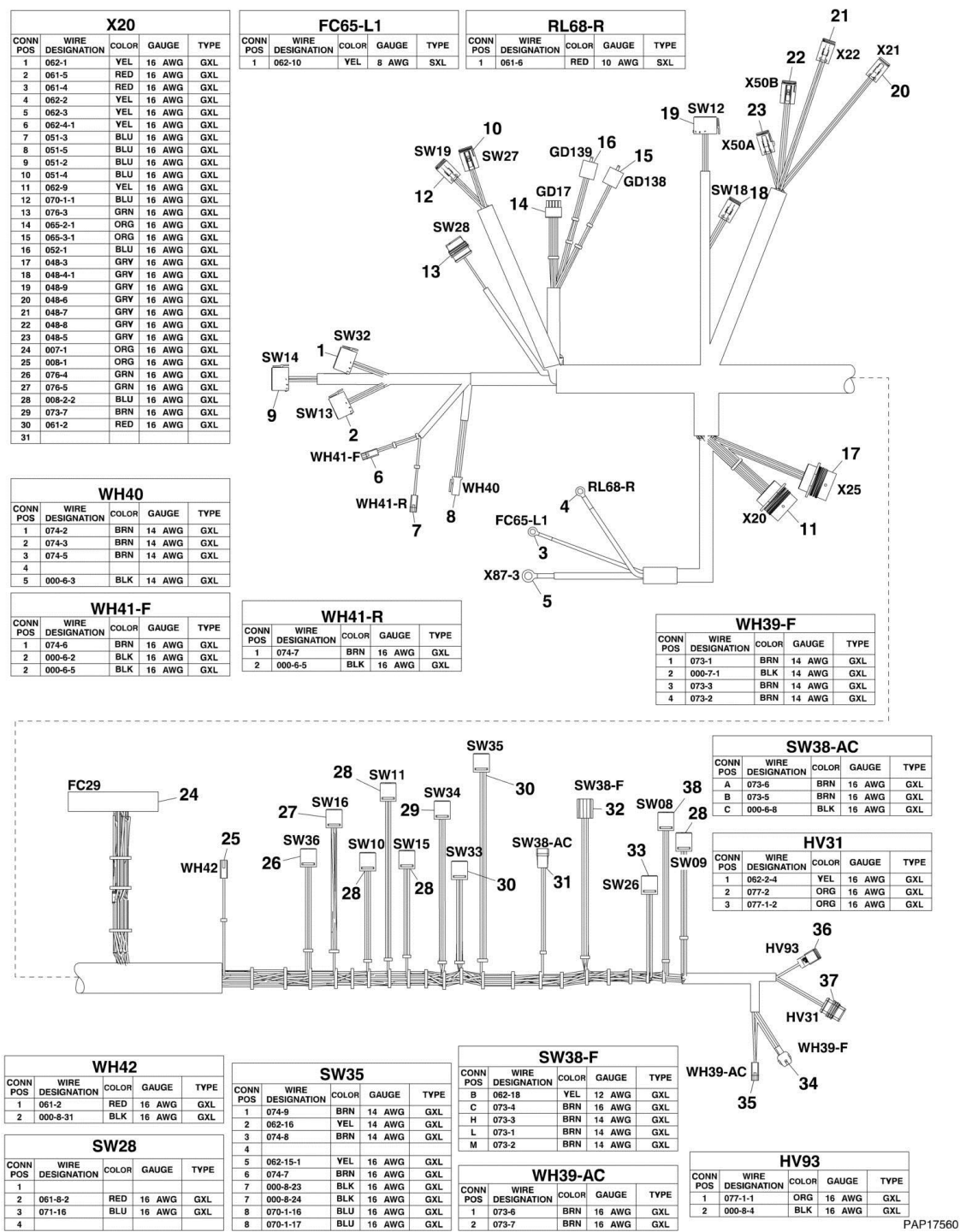
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| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
| 21   | 80604021    | 1   | WEDGE LOCK                                                                   |     |
| 21   | 4460465     | 4   | TERMINAL                                                                     |     |
| 22   | 1001116920  | 1   | CONNECTOR                                                                    |     |
| 22   | 4640464     | 30  | TERMINAL                                                                     |     |
| 22   | 4460466     | 1   | PLUG                                                                         |     |
| 23   | 1001118674  | 1   | CONNECTOR                                                                    |     |
| 23   | 4460465     | 20  | TERMINAL                                                                     |     |
| 23   | 4460466     | 3   | PLUG                                                                         |     |
| 24   | 1001117081  | 1   | CONNECTOR                                                                    |     |
| 24   | 1001104519  | 6   | TERMINAL                                                                     |     |
| 25   | 4460894     | 1   | CONNECTOR                                                                    |     |
| 25   | 80604023    | 1   | WEDGE LOCK                                                                   |     |
| 25   | 4460465     | 4   | TERMINAL                                                                     |     |
| 25   | 4460466     | 2   | PLUG                                                                         |     |
| 26   |             | Ref | FUSE HOLDER ASSY, (See CAB FUSE HOLDER for Breakdown)                        |     |
| 27   | 4460994     | 1   | CONNECTOR                                                                    |     |
| 27   | 1001104519  | 2   | TERMINAL                                                                     |     |
| 28   | 1001117081  | 1   | CONNECTOR                                                                    |     |
| 28   | 1001104519  | 10  | TERMINAL                                                                     |     |
| 29   | 1001117082  | 1   | CONNECTOR                                                                    |     |
| 29   | 1001104519  | 11  | TERMINAL                                                                     |     |
| 30   | 1001117081  | 4   | CONNECTOR                                                                    |     |
| 30   | 1001104519  | 6   | TERMINAL                                                                     |     |
| 31   | 1001117081  | 1   | CONNECTOR                                                                    |     |
| 31   | 1001104519  | 11  | TERMINAL                                                                     |     |
| 32   | 1001117081  | 2   | CONNECTOR                                                                    |     |
| 32   | 1001104519  | 10  | TERMINAL                                                                     |     |
| 33   | 1001117059  | 1   | CONNECTOR                                                                    |     |
| 33   | 1001116736  | 3   | TERMINAL                                                                     |     |
| 34   | 1001117080  | 1   | CONNECTOR                                                                    |     |
| 34   | 1001116737  | 1   | TERMINAL                                                                     |     |
| 34   | 1001116738  | 4   | TERMINAL                                                                     |     |
| 35   | 1001117079  | 1   | CONNECTOR                                                                    |     |
| 35   | 1001104519  | 11  | TERMINAL                                                                     |     |
| 36   | 1001117081  | 1   | CONNECTOR                                                                    |     |
| 36   | 1001104519  | 4   | TERMINAL                                                                     |     |
| 37   | 1001116986  | 1   | CONNECTOR                                                                    |     |
| 37   | 1001116723  | 4   | TERMINAL                                                                     |     |
| 38   | 4460994     | 1   | CONNECTOR                                                                    |     |
| 38   | 1001104519  | 2   | TERMINAL                                                                     |     |
| 39   | 4461262     | 1   | CONNECTOR                                                                    |     |
| 39   | 1001107854  | 2   | TERMINAL                                                                     |     |
| 40   | 4460891     | 1   | CONNECTOR                                                                    |     |
| 40   | 80604018    | 1   | WEDGE LOCK                                                                   |     |
| 40   | 4460465     | 2   | TERMINAL                                                                     |     |
| N1   | Note        | Ref | <b>TERMINAL QUANTITIES FOR ITEMS 30 &amp; 32 ARE FOR A SINGLE CONNECTOR.</b> |     |



SECTION 10 - ELECTRICAL

FIGURE 10-11. CAB HARNESS (G5-18A SN 0160046189 to Present, Including 0160045424 and 0160045775; 2505 SN 0160042694 to Present)



PAP17560

# SECTION 10 - ELECTRICAL

| SW32     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 062-12           | YEL   | 16 AWG | GXL  |
| 2        | 062-12-2         | YEL   | 16 AWG | GXL  |
| 3        | 076-9            | GRN   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-13         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-7          | BLK   | 16 AWG | GXL  |
| 8        | 070-1-5          | BLU   | 16 AWG | GXL  |
| 8        | 070-1-6          | BLU   | 16 AWG | GXL  |

| SW13     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 077-1            | ORG   | 16 AWG | GXL  |
| 2        | 062-2-1          | YEL   | 16 AWG | GXL  |
| 3        | 077-2-1          | ORG   | 16 AWG | GXL  |
| 3        | 077-2-2          | ORG   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-13         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-14         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-6          | BLU   | 16 AWG | GXL  |
| 8        | 070-1-7          | BLU   | 16 AWG | GXL  |

| SW10     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 051-3            | BLU   | 16 AWG | GXL  |
| 3        | 051-5            | BLU   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-18         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-19         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-11         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-12         | BLU   | 16 AWG | GXL  |

| SW16     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 3        |                  |       |        |      |
| 6        | 065-3            | ORG   | 16 AWG | GXL  |
| 9        | 000-8-17         | BLK   | 16 AWG | GXL  |
| 9        | 000-8-18         | BLK   | 16 AWG | GXL  |
| 10       | 070-1-10         | BLU   | 16 AWG | GXL  |
| 10       | 070-1-11         | BLU   | 16 AWG | GXL  |
| 11       | 065-2            | ORG   | 16 AWG | GXL  |
| 12       |                  |       |        |      |
| 13       | 065-1            | ORG   | 16 AWG | GXL  |
| 13       | 065-1-1          | ORG   | 16 AWG | GXL  |
| 14       |                  |       |        |      |
| 15       | 065-4            | ORG   | 16 AWG | GXL  |
| 16       | 065-1-1          | ORG   | 16 AWG | GXL  |
| 16       | 065-1-2          | ORG   | 16 AWG | GXL  |

| SW11     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 051-2            | BLU   | 16 AWG | GXL  |
| 3        | 051-6            | BLU   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-19         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-20         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-12         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-13         | BLU   | 16 AWG | GXL  |

| GD138    |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1A       | 071-14           | BLU   | 16 AWG | GXL  |
| 1A       | 071-17           | BLU   | 16 AWG | GXL  |
| 1B       | 000-8-10         | BLK   | 16 AWG | GXL  |
| 2A       | 071-3-3          | BLU   | 16 AWG | GXL  |
| 2B       | 000-8-9          | BLK   | 16 AWG | GXL  |

| X87-3    |                  |       |       |      |
|----------|------------------|-------|-------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE | TYPE |
| 1        | 000-5            | BLK   | 6 AWG | SGT  |

| X25      |                  |        |        |      |
|----------|------------------|--------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR  | GAUGE  | TYPE |
| 1        |                  |        |        |      |
| 2        | 071-6-1          | BLU    | 16 AWG | GXL  |
| 3        | 071-5-1          | BLU    | 16 AWG | GXL  |
| 4        | 071-12           | BLU    | 16 AWG | GXL  |
| 5        | 071-11           | BLU    | 16 AWG | GXL  |
| 6        | 071-10           | BLU    | 16 AWG | GXL  |
| 7        | 071-9            | BLU    | 16 AWG | GXL  |
| 8        | 071-8            | BLU    | 16 AWG | GXL  |
| 9        | 071-7            | BLU    | 16 AWG | GXL  |
| 10       | 077-3            | ORG    | 16 AWG | GXL  |
| 11       | 071-16           | BLU    | 16 AWG | GXL  |
| 12       | 008-2-2          | BLU    | 16 AWG | GXL  |
| 13       | CAN              | SHIELD | 18 AWG | SHLD |
| 16       | 076-8            | GRN    | 16 AWG | GXL  |
| 17       | 076-9            | GRN    | 16 AWG | GXL  |
| 18       | LSI              | SHIELD | 18 AWG | SHLD |
| 19       | LSI PWR          | BLU    | 18 AWG |      |
| 22       | 076-7            | GRN    | 16 AWG | GXL  |
| 23       | 085-1            | BLU    | 16 AWG | GXL  |
| 24       | CAN LO           | BLK    | 18 AWG |      |
| 25       | CAN HI           | RED    | 18 AWG |      |
| 26       | 062-14-1         | YEL    | 16 AWG | GXL  |
| 27       | 052-2            | WHT    | 16 AWG | GXL  |
| 28       |                  |        |        |      |
| 29       | 062-4-5          | YEL    | 16 AWG | GXL  |
| 30       | LSI 1            | RED    | 18 AWG |      |
| 31       | LSI 2            | BLK    | 18 AWG |      |

| SW36     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 062-2-5          | YEL   | 16 AWG | GXL  |
| 3        | 076-7            | GRN   | 16 AWG | GXL  |
| 4        | 065-1            | ORG   | 16 AWG | GXL  |
| 5        | 062-2-3          | YEL   | 16 AWG | GXL  |
| 5        | 062-2-4          | YEL   | 16 AWG | GXL  |
| 6        | 065-4-2          | ORG   | 16 AWG | GXL  |
| 7        | 000-8-16         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-17         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-10         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-9          | BLU   | 16 AWG | GXL  |

| SW19     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 007-1            | ORG   | 16 AWG | GXL  |
| 2        | 077-1-3          | ORG   | 16 AWG | GXL  |
| 3        | 008-1            | ORG   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        | 048-2            | GRY   | 16 AWG | GXL  |
| 6        | 048-1            | GRY   | 16 AWG | GXL  |

| GD17     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-4-3          | YEL   | 16 AWG | GXL  |
| 2        | 070-1-2          | BLU   | 16 AWG | GXL  |
| 3        | 048-6            | GRY   | 16 AWG | GXL  |
| 4        | 048-9            | GRY   | 16 AWG | GXL  |
| 5        | 000-8-8          | BLK   | 16 AWG | GXL  |
| 6        | 048-8            | GRY   | 16 AWG | GXL  |
| 7        | 077-2-2          | ORG   | 16 AWG | GXL  |
| 8        | 048-5            | GRY   | 16 AWG | GXL  |
| 9        | 048-7            | GRY   | 16 AWG | GXL  |
| 10       | 065-3-2          | ORG   | 16 AWG | GXL  |
| 11       | 048-4-2          | GRY   | 16 AWG | GXL  |
| 12       |                  |       |        |      |
| 13       |                  |       |        |      |
| 14       | 065-4-1          | ORG   | 16 AWG | GXL  |
| 15       | 065-2-2          | ORG   | 16 AWG | GXL  |

| SW18     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-1            | YEL   | 16 AWG | GXL  |
| 2        |                  |       |        |      |
| 3        | 048-1            | GRY   | 16 AWG | GXL  |
| 4        | 061-5            | RED   | 16 AWG | GXL  |
| 5        | 048-4            | GRY   | 16 AWG | GXL  |
| 6        |                  |       |        |      |

| GD139    |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1A       | 071-15           | BLU   | 16 AWG | GXL  |
| 1B       | 000-8-11         | BLK   | 16 AWG | GXL  |
| 2A       | 077-3            | ORG   | 16 AWG | GXL  |
| 2B       | 000-8-12         | BLK   | 16 AWG | GXL  |

| SW14     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 062-3-1          | YEL   | 16 AWG | GXL  |
| 3        | 076-4            | GRN   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        | 000-8-6          | BLK   | 16 AWG | GXL  |
| 6        | 076-5            | GRN   | 16 AWG | GXL  |
| 7        | 000-8-14         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-15         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-7          | BLU   | 16 AWG | GXL  |
| 8        | 070-1-8          | BLU   | 16 AWG | GXL  |

| SW27     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 070-1            | BLU   | 16 AWG | GXL  |
| 2        | 061-7            | RED   | 16 AWG | GXL  |
| 3        | 071-2            | BLU   | 16 AWG | GXL  |
| 4        | 071-3            | BLU   | 16 AWG | GXL  |
| 5        | 061-8-1          | RED   | 16 AWG | GXL  |
| 6        | 071-5-5          | BLU   | 16 AWG | GXL  |
| 7        | 071-4            | BLU   | 16 AWG | GXL  |
| 8        | 071-6-5          | BLU   | 16 AWG | GXL  |

| SW12     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 052-1            | BLU   | 16 AWG | GXL  |
| 3        | 061-4            | RED   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-15         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-16         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-8          | BLU   | 16 AWG | GXL  |
| 8        | 070-1-9          | BLU   | 16 AWG | GXL  |

| X21      |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 065-1-2          | ORG   | 16 AWG | GXL  |
| 2        | 062-2-2          | YEL   | 16 AWG | GXL  |
| 3        | 070-1-19         | BLU   | 16 AWG | GXL  |
| 4        | 062-4-4          | YEL   | 16 AWG | GXL  |

| X22      |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 051-6            | BLU   | 16 AWG | GXL  |
| 2        | 000-8-3          | BLK   | 16 AWG | GXL  |
| 3        | 051-7            | BLU   | 16 AWG | GXL  |
| 4        | 000-8-2          | BLK   | 16 AWG | GXL  |
| 5        | 072-1            | BLU   | 16 AWG | GXL  |
| 6        | 000-8-1          | BLK   | 16 AWG | GXL  |

| X50B     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 000-7-3          | BLK   | 16 AWG | GXL  |
| 2        | 062-13           | YEL   | 16 AWG | GXL  |
| 3        | 061-9            | RED   | 16 AWG | GXL  |
| 4        | 074-9            | BRN   | 14 AWG | GXL  |
| 5        | 074-8            | BRN   | 14 AWG | GXL  |
| 6        | 000-6-4          | BLK   | 14 AWG | GXL  |
| 7        | 052-2            | WHT   | 16 AWG | GXL  |
| 8        | 062-14           | YEL   | 16 AWG | GXL  |

| X50A     |                  |        |        |      |
|----------|------------------|--------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR  | GAUGE  | TYPE |
| 1        | 062-12-2         | YEL    | 16 AWG | GXL  |
| 2        | 076-8            | GRN    | 16 AWG | GXL  |
| 3        | 000-7-2          | BLK    | 16 AWG | GXL  |
| 4        |                  |        |        |      |
| 5        | LSI              | SHIELD | 18 AWG | SHLD |
| 6        | LSI 1            | RED    | 18 AWG |      |
| 7        | LSI 2            | BLK    | 18 AWG |      |
| 8        | LSI PWR          | BLU    | 18 AWG |      |
| 9        | 065-1            | BLU    | 16 AWG | GXL  |
| 10       | CAN              | SHIELD | 18 AWG | SHLD |
| 11       | CAN HI           | RED    | 18 AWG |      |
| 12       | CAN LO           | BLK    | 18 AWG |      |

| SW26     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        | 062-11           | YEL   | 16 AWG | GXL  |
| 2        | 071-13           | BLU   | 16 AWG | GXL  |
| 3        | 061-8-3          | RED   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        | 071-4-1          | BLU   | 16 AWG | GXL  |
| 7        |                  |       |        |      |
| 8        | 070-1-18         | BLU   | 16 AWG | GXL  |
| 10       | 000-8-25         | BLK   | 16 AWG | GXL  |
| 10       | 000-8-26         | BLK   | 16 AWG | GXL  |
| 17       | 071-5            | BLU   | 16 AWG | GXL  |
| 17       | 071-5-1          | BLU   | 16 AWG | GXL  |
| 18       | 071-6            | BLU   | 16 AWG | GXL  |
| 18       | 071-6-1          | BLU   | 16 AWG | GXL  |

| SW08     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 062-3            | YEL   | 16 AWG | GXL  |
| 2        | 062-3-1          | YEL   | 16 AWG | GXL  |
| 3        | 076-3            | GRN   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-26         | BLK   | 16 AWG | GXL  |
| 8        |                  |       |        |      |

| SW09     |                  |       |        |      |
|----------|------------------|-------|--------|------|
| CONN POS | WIRE DESIGNATION | COLOR | GAUGE  | TYPE |
| 1        |                  |       |        |      |
| 2        | 062-9            | YEL   | 16 AWG | GXL  |
| 3        | 072-1            | BLU   | 16 AWG | GXL  |
| 4        |                  |       |        |      |
| 5        |                  |       |        |      |
| 6        |                  |       |        |      |
| 7        | 000-8-24         | BLK   | 16 AWG | GXL  |
| 7        | 000-8-25         | BLK   | 16 AWG | GXL  |
| 8        | 070-1-17         | BLU   | 16 AWG | GXL  |
| 8        | 070-1-18         | BLU   | 16 AWG | GXL  |

| SW15        |                     |       |        |      |
|-------------|---------------------|-------|--------|------|
| CONN<br>POS | WIRE<br>DESIGNATION | COLOR | GAUGE  | TYPE |
| 1           |                     |       |        |      |
| 2           | 051-4               | BLU   | 16 AWG | GXL  |
| 3           | 051-7               | BLU   | 16 AWG | GXL  |
| 4           |                     |       |        |      |
| 5           |                     |       |        |      |
| 6           |                     |       |        |      |
| 7           | 000-8-20            | BLK   | 16 AWG | GXL  |
| 8           | 000-8-21            | BLK   | 16 AWG | GXL  |
| 8           | 070-1-13            | BLU   | 16 AWG | GXL  |
| 8           | 070-1-14            | BLU   | 16 AWG | GXL  |

## SECTION 10 - ELECTRICAL

**FIGURE 10-11. CAB HARNESS (G5-18A SN 0160046189 to Present; 2505 SN 0160042694 to Present; Including 0160045424 and 0160045775)**

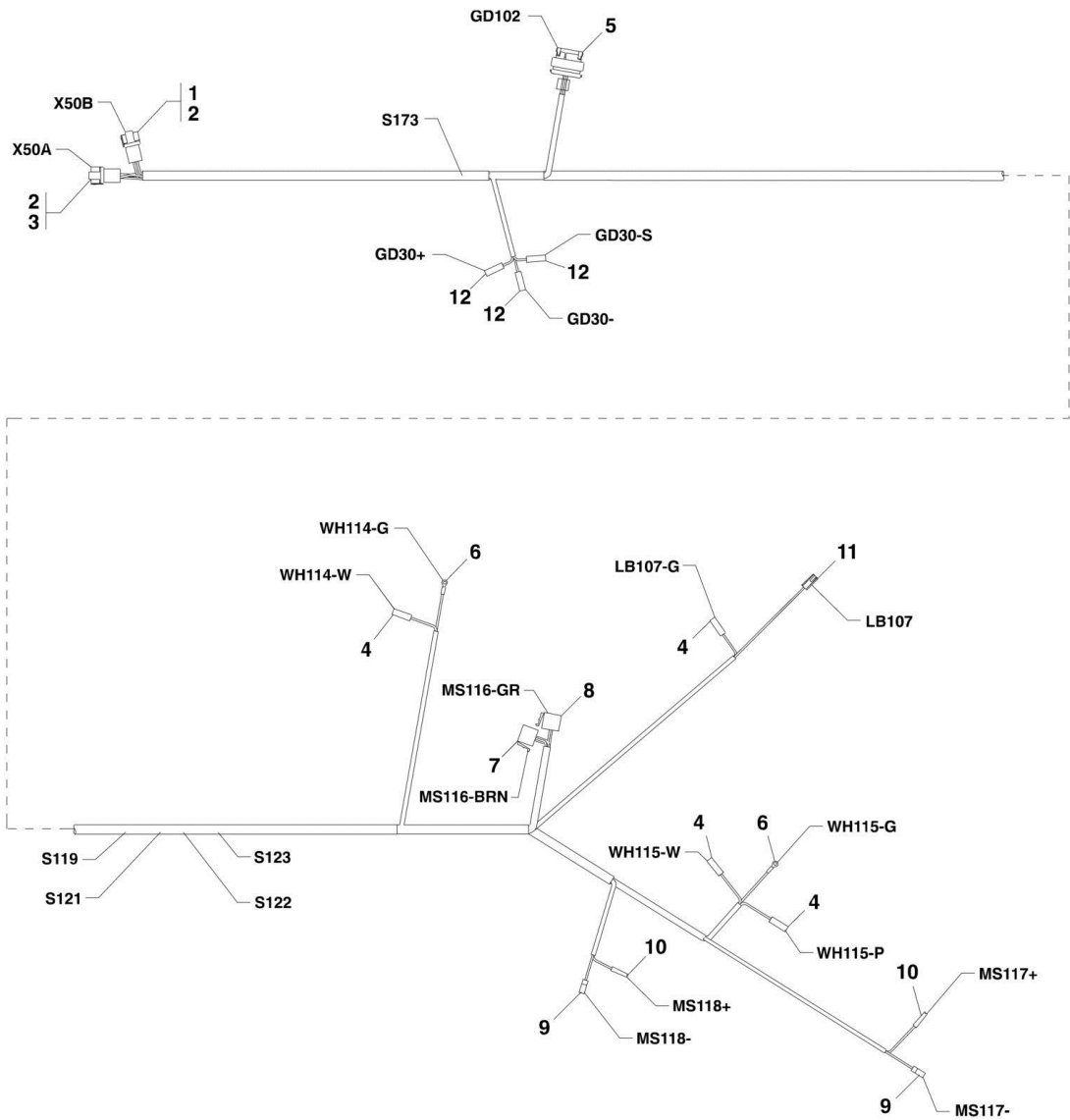
| ITEM | PART NUMBER | QTY | DESCRIPTION                       | REV |
|------|-------------|-----|-----------------------------------|-----|
|      | 1001122248  | 1   | CAB HARNESS, (includes all items) | C   |
| 1    | 1001117081  | 1   | CONNECTOR                         |     |
| 1    | 1001104519  | 7   | TERMINAL                          |     |
| 2    | 1001117081  | 1   | CONNECTOR                         |     |
| 2    | 1001104519  | 8   | TERMINAL                          |     |
| 3    | 1001117106  | 1   | TERMINAL RING, 1/4, 8 AWG         |     |
| 4    | 4460312     | 1   | TERMINAL RING, 1/4, 10-12 AWG     |     |
| 5    | 8220115     | 1   | TERMINAL RING, 3/8, 6 AWG         |     |
| 6    | 4460994     | 1   | CONNECTOR                         |     |
| 6    | 1001104519  | 3   | TERMINAL                          |     |
| 7    | 4460994     | 1   | CONNECTOR                         |     |
| 7    | 1001104519  | 2   | TERMINAL                          |     |
| 8    | 1001127066  | 1   | CONNECTOR                         |     |
| 8    | 4460259     | 4   | TERMINAL                          |     |
| 9    | 1001117081  | 1   | CONNECTOR                         |     |
| 9    | 1001104519  | 8   | TERMINAL                          |     |
| 10   | 4460930     | 1   | CONNECTOR                         |     |
| 10   | 80604025    | 1   | WEDGE LOCK                        |     |
| 10   | 4460465     | 8   | TERMINAL                          |     |
| 11   | 1001116920  | 1   | CONNECTOR                         |     |
| 11   | 4640464     | 30  | TERMINAL                          |     |
| 11   | 4460466     | 1   | PLUG                              |     |
| 12   | 4460894     | 1   | CONNECTOR                         |     |
| 12   | 80604023    | 1   | WEDGE LOCK                        |     |
| 12   | 4460466     | 1   | PLUG                              |     |
| 12   | 4460465     | 5   | TERMINAL                          |     |
| 13   | 1001103012  | 1   | CONNECTOR                         |     |
| 13   | 1001107854  | 2   | TERMINAL                          |     |
| 13   | 1001116698  | 2   | PLUG                              |     |
| 14   | 1001117005  | 1   | CONNECTOR                         |     |
| 14   | 1001116713  | 13  | TERMINAL                          |     |
| 15   | 1001117119  | 1   | CONNECTOR                         |     |
| 15   | 3990013     | 2   | DIODE                             |     |
| 15   | 4460419     | 5   | TERMINAL                          |     |
| 16   | 1001117119  | 1   | CONNECTOR                         |     |
| 16   | 4460419     | 4   | TERMINAL                          |     |
| 17   | 1001121961  | 1   | CONNECTOR                         |     |
| 17   | 4460465     | 26  | TERMINAL                          |     |
| 17   | 4460466     | 1   | PLUG                              |     |
| 18   | 4460894     | 1   | CONNECTOR                         |     |
| 18   | 80604023    | 1   | WEDGE LOCK                        |     |
| 18   | 4460465     | 4   | TERMINAL                          |     |
| 18   | 4460466     | 2   | PLUG                              |     |
| 19   | 1001117081  | 1   | CONNECTOR                         |     |
| 19   | 1001104519  | 6   | TERMINAL                          |     |
| 20   | 4460884     | 1   | CONNECTOR                         |     |
| 20   | 80604021    | 1   | WEDGE LOCK                        |     |
| 20   | 4460465     | 4   | TERMINAL                          |     |
| 21   | 4460894     | 1   | CONNECTOR                         |     |

## SECTION 10 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
| 21   | 80604023    | 1   | WEDGE LOCK                                                                   |     |
| 21   | 4460465     | 6   | TERMINAL                                                                     |     |
| 22   | 4460851     | 1   | CONNECTOR                                                                    |     |
| 22   | 80604025    | 1   | WEDGE LOCK                                                                   |     |
| 22   | 4460465     | 8   | TERMINAL                                                                     |     |
| 23   | 4460933     | 1   | CONNECTOR                                                                    |     |
| 23   | 80604016    | 1   | WEDGE LOCK                                                                   |     |
| 23   | 4460466     | 1   | PLUG                                                                         |     |
| 23   | 4460465     | 11  | TERMINAL                                                                     |     |
| 24   |             | Ref | FUSE HOLDER ASSY, (See CAB FUSE HOLDER for Breakdown)                        |     |
| 25   | 4460994     | 1   | CONNECTOR                                                                    |     |
| 25   | 1001104519  | 2   | TERMINAL                                                                     |     |
| 26   | 1001117081  | 1   | CONNECTOR                                                                    |     |
| 26   | 1001104519  | 10  | TERMINAL                                                                     |     |
| 27   | 1001117082  | 1   | CONNECTOR                                                                    |     |
| 27   | 1001104519  | 11  | TERMINAL                                                                     |     |
| 28   | 1001117081  | 4   | CONNECTOR                                                                    |     |
| 28   | 1001104519  | 6   | TERMINAL                                                                     |     |
| 29   | 1001117081  | 1   | CONNECTOR                                                                    |     |
| 29   | 1001104519  | 11  | TERMINAL                                                                     |     |
| 30   | 1001117081  | 2   | CONNECTOR                                                                    |     |
| 30   | 1001104519  | 10  | TERMINAL                                                                     |     |
| 31   | 1001117059  | 1   | CONNECTOR                                                                    |     |
| 31   | 1001116736  | 3   | TERMINAL                                                                     |     |
| 32   | 1001117080  | 1   | CONNECTOR                                                                    |     |
| 32   | 1001116737  | 1   | TERMINAL                                                                     |     |
| 32   | 1001116738  | 4   | TERMINAL                                                                     |     |
| 33   | 1001117079  | 1   | CONNECTOR                                                                    |     |
| 33   | 1001104519  | 11  | TERMINAL                                                                     |     |
| 34   | 1001119032  | 1   | CONNECTOR                                                                    |     |
| 34   | 4460268     | 4   | TERMINAL                                                                     |     |
| 35   | 4460994     | 1   | CONNECTOR                                                                    |     |
| 35   | 1001104519  | 2   | TERMINAL                                                                     |     |
| 36   | 4460891     | 1   | CONNECTOR                                                                    |     |
| 36   | 80604018    | 1   | WEDGE LOCK                                                                   |     |
| 36   | 4460465     | 2   | TERMINAL                                                                     |     |
| 37   | 4461262     | 1   | CONNECTOR                                                                    |     |
| 37   | 1001107854  | 3   | TERMINAL                                                                     |     |
| 38   | 1001117081  | 1   | CONNECTOR                                                                    |     |
| 38   | 1001104519  | 4   | TERMINAL                                                                     |     |
| N1   | Note        | Ref | <b>TERMINAL QUANTITIES FOR ITEMS 28 &amp; 30 ARE FOR A SINGLE CONNECTOR.</b> |     |

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FIGURE 10-12. CAB ROOF HARNESS (G5-18A Prior to SN 0160046246; 2505 Prior to SN 0160042694)



PAP17110



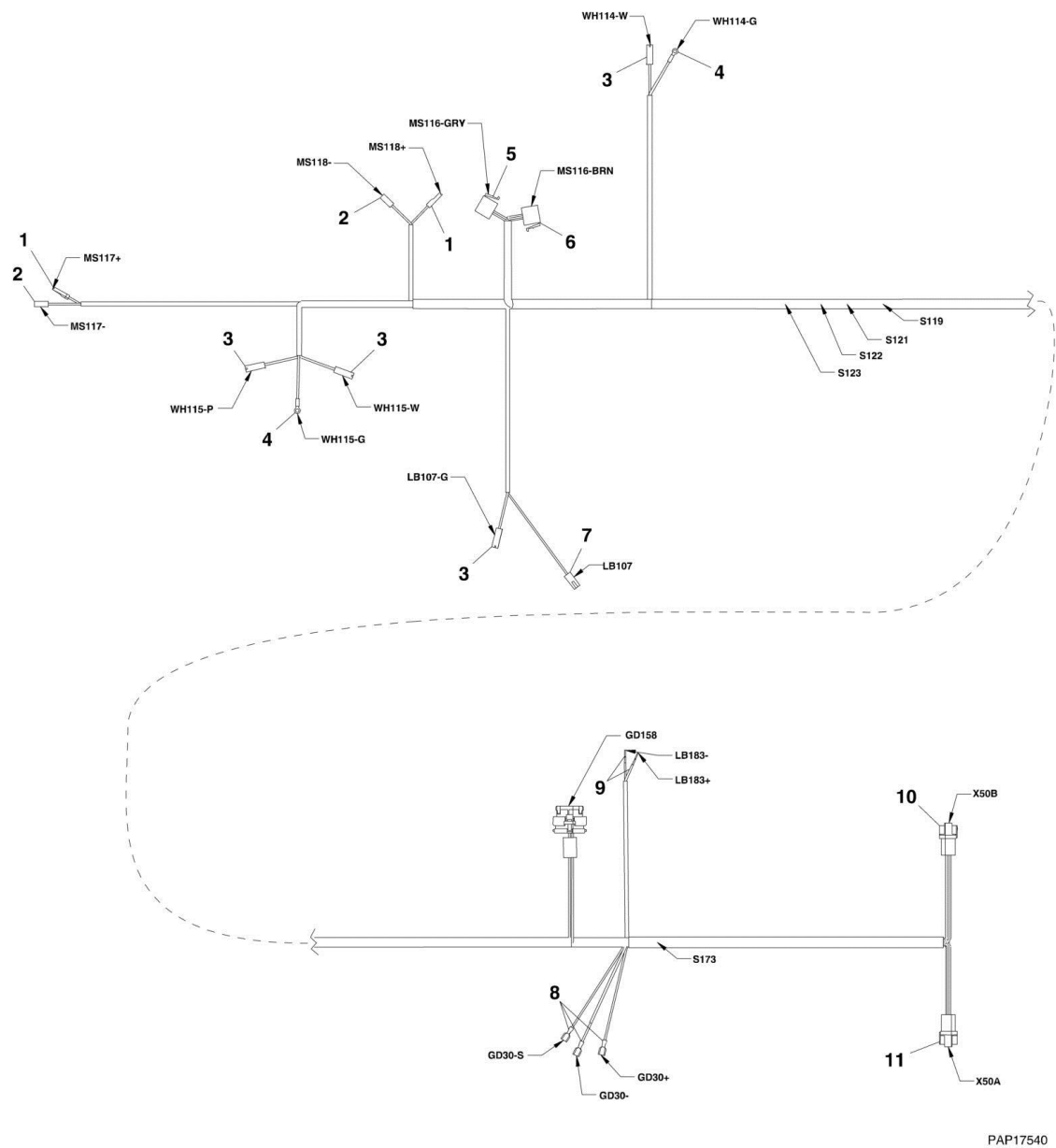
## SECTION 10 - ELECTRICAL

**FIGURE 10-12. CAB ROOF HARNESS (G5-18A Prior to SN 0160046246; 2505 Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
|      | 1001080758  | 1   | CAB ROOF HARNESS, (includes all items) | H   |
| 1    | N.S.S.      | 1   | CONNECTOR                              |     |
| 2    | 91503106    | 2   | WEDGE LOCK                             |     |
| 3    | 4460931     | 1   | CONNECTOR, (includes item 2)           |     |
| 4    | 4460260     | 4   | CONNECTOR                              |     |
| 5    | 1001116994  | 1   | CONNECTOR                              |     |
| 6    | 8220007     | 2   | RING TERMINAL                          |     |
| 7    | 1001116984  | 1   | CONNECTOR                              |     |
| 8    | 1001116985  | 1   | CONNECTOR                              |     |
| 9    | 1001117002  | 2   | HOUSING                                |     |
| 10   | 1001116995  | 2   | FEMALE COVER                           |     |
| 11   | 4460994     | 1   | 2 WAY 90, CONNECTOR                    |     |
| 12   | 4460185     | 3   | CONNECTOR                              |     |

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FIGURE 10-13. CAB ROOF HARNESS (G5-18A SN 0160046246 to Present; 2505 SN 0160042694 to Present)



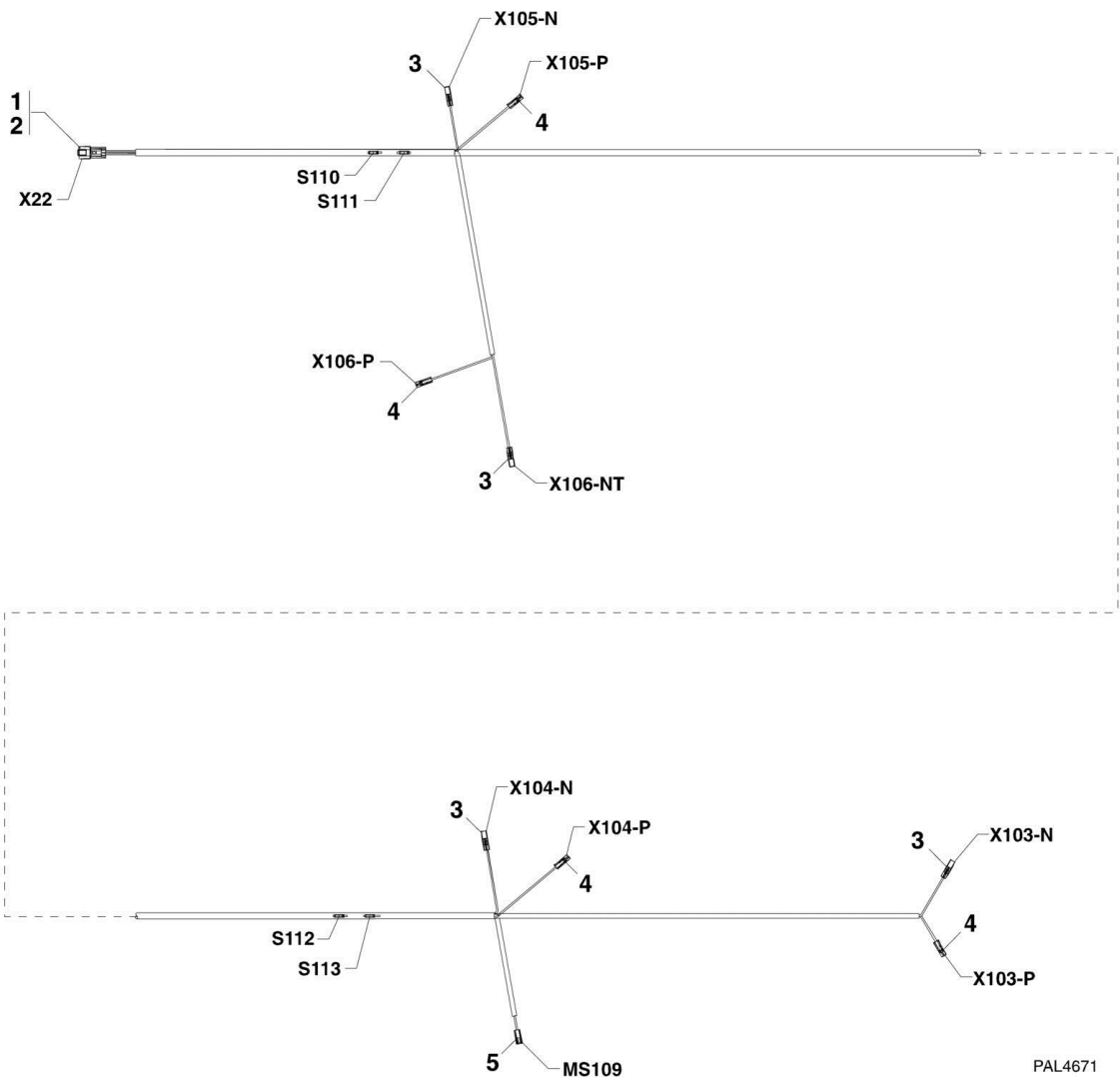
## SECTION 10 - ELECTRICAL

**FIGURE 10-13. CAB ROOF HARNESS (G5-18A SN 0160046246 to Present; 2505 SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
|      | 1001122259  | 1   | CAB ROOF HARNESS, (includes all items) | C   |
| 1    | 1001116982  | 2   | CONNECTOR                              |     |
| 2    | 1001117002  | 2   | CONNECTOR                              |     |
| 3    | 4460260     | 4   | CONNECTOR                              |     |
| 4    | 8220007     | 2   | TERMINAL                               |     |
| 5    | 1001116985  | 1   | CONNECTOR                              |     |
| 6    | 1001116984  | 1   | CONNECTOR                              |     |
| 7    | 4460994     | 1   | CONNECTOR                              |     |
| 8    | 4460185     | 3   | CONNECTOR                              |     |
| 9    | 1001118387  | 2   | TERMINAL                               |     |
| 10   | 1001116813  | 1   | CONNECTOR                              |     |
| 11   | 4460970     | 1   | CONNECTOR                              |     |

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FIGURE 10-14. ROOF WORKLIGHT HARNESS (Prior to SN 0160037441)



PAL4671

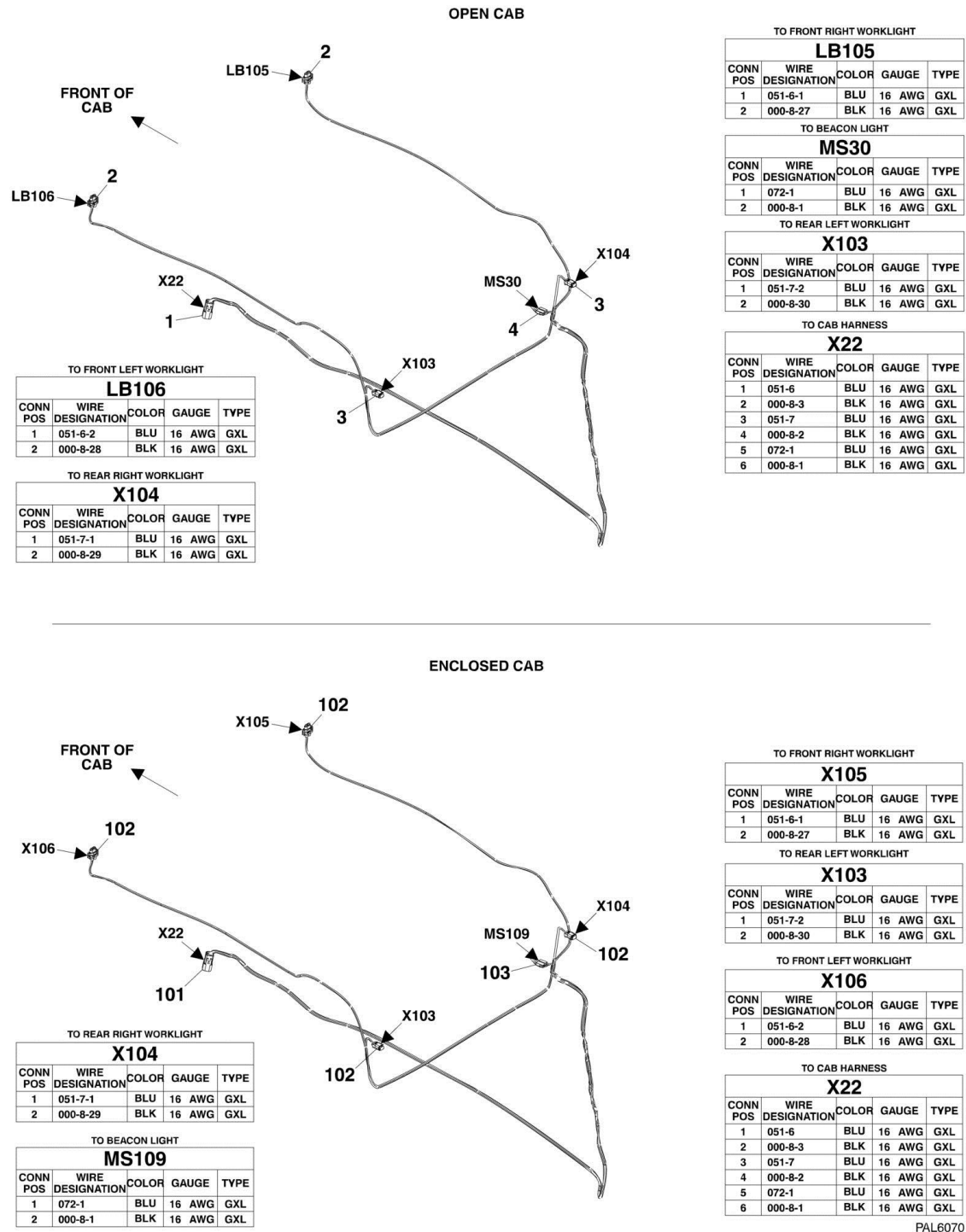
## SECTION 10 - ELECTRICAL

**FIGURE 10-14. ROOF WORKLIGHT HARNESS (Prior to SN 0160037441)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                  | REV |
|------|-------------|-----|----------------------------------------------|-----|
|      | 1001080865  | 1   | ROOF WORKLIGHT HARNESS, (includes all items) | C   |
| 1    | 4460899     | 1   | CONNECTOR                                    |     |
| 2    | 91503104    | 1   | LOCK TERMINAL                                |     |
| 3    | 1001117004  | 4   | CONNECTOR                                    |     |
| 4    | 4460260     | 4   | HOUSING TERMINAL                             |     |
| 5    | 4460994     | 1   | 2 WAY 90, CONNECTOR                          |     |

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FIGURE 10-15. ROOF WORKLIGHT HARNESS (SN 0160037441 to Present)



PAL6070

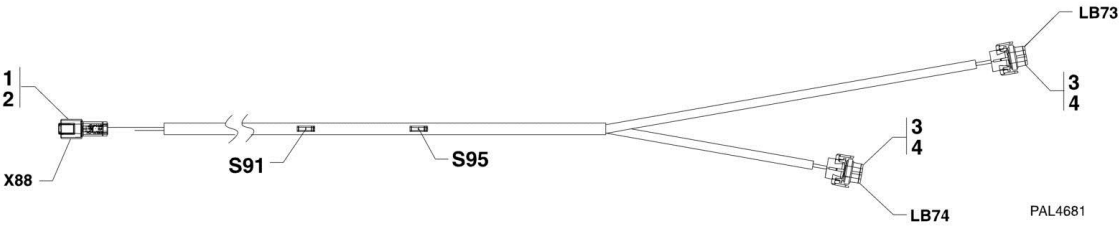
## SECTION 10 - ELECTRICAL

**FIGURE 10-15. ROOF WORKLIGHT HARNESS (SN 0160037441 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                        | REV |
|------|-------------|-----|------------------------------------------------------------------------------------|-----|
|      | 1001111156  | 1   | ROOF WORKLIGHT HARNESS, (open cab, if equipped), (includes items 1 thru 4)         | C   |
| 1    | 4460899     | 1   | CONNECTOR, (includes wedge lock)                                                   |     |
| 1    | 80604022    | 1   | WEDGE LOCK                                                                         |     |
| 1    | 4460464     | 6   | TERMINAL                                                                           |     |
| 2    | 4461115     | 2   | CONNECTOR                                                                          |     |
| 2    | 1001103564  | 2   | WEDGE LOCK                                                                         |     |
| 2    | 4460746     | 4   | TERMINAL                                                                           |     |
| 2    | 4460458     | 4   | SEAL                                                                               |     |
| 3    | 4460891     | 2   | CONNECTOR, (includes wedge lock)                                                   |     |
| 3    | 80604018    | 2   | WEDGE LOCK                                                                         |     |
| 3    | 4460465     | 4   | TERMINAL                                                                           |     |
| 4    | 4460994     | 1   | CONNECTOR                                                                          |     |
| 4    | 1001104519  | 2   | TERMINAL                                                                           |     |
|      | 1001109566  | 1   | ROOF WORKLIGHT HARNESS, (enclosed cab, if equipped), (includes items 101 thru 103) | B   |
| 101  | 4460899     | 1   | CONNECTOR, (includes wedge lock)                                                   |     |
| 101  | 80604022    | 1   | WEDGE LOCK                                                                         |     |
| 101  | 4460464     | 6   | TERMINAL                                                                           |     |
| 102  | 4460891     | 4   | CONNECTOR, (includes wedge lock)                                                   |     |
| 102  | 80604018    | 4   | WEDGE LOCK                                                                         |     |
| 102  | 4460465     | 16  | TERMINAL                                                                           |     |
| 103  | 4460994     | 1   | CONNECTOR                                                                          |     |
| 103  | 1001104519  | 2   | TERMINAL                                                                           |     |

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FIGURE 10-16. BOOM WORKLIGHTS HARNESS





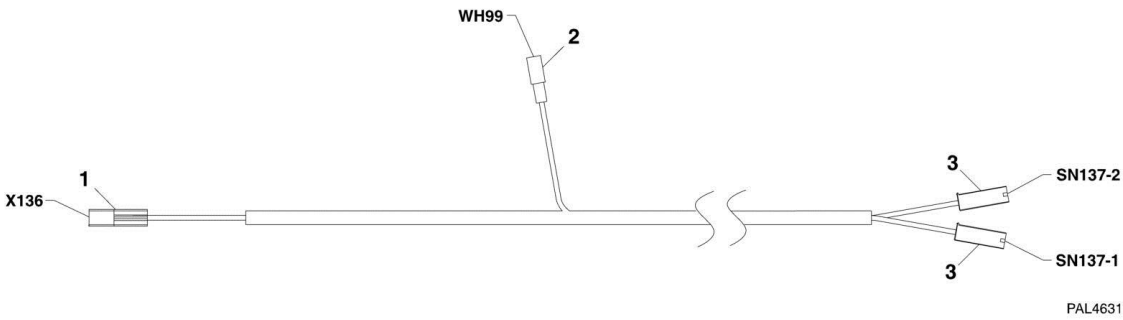
## SECTION 10 - ELECTRICAL

**FIGURE 10-16. BOOM WORKLIGHTS HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                   | REV |
|------|-------------|-----|-----------------------------------------------|-----|
|      | 1001080656  | 1   | BOOM WORKLIGHTS HARNESS, (includes all items) | C   |
| 1    | 4460897     | 1   | CONNECTOR                                     |     |
| 2    | 80604017    | 1   | WEDGE LOCK                                    |     |
| 3    | 4461115     | 2   | CONNECTOR                                     |     |
| 4    | 1001103564  | 2   | TERMINAL                                      |     |

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FIGURE 10-17. AC SYSTEM HARNESS



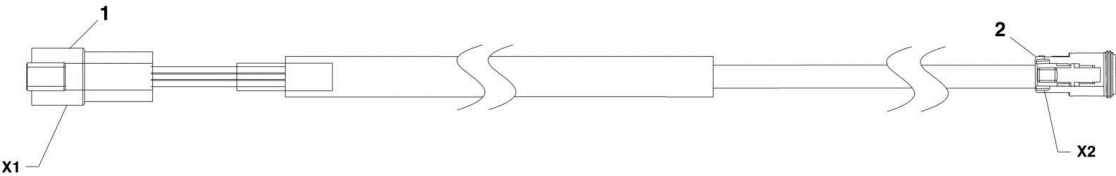
## SECTION 10 - ELECTRICAL

**FIGURE 10-17. AC SYSTEM HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                             | REV |
|------|-------------|-----|-----------------------------------------|-----|
|      | 1001080733  | 1   | AC SYSTEM HARNESS, (includes all items) | B   |
| 1    | 1001117004  | 1   | CONNECTOR                               |     |
| 2    | 70021712    | 1   | TERMINAL                                |     |
| 3    | 4460260     | 2   | HOUSING TERMINAL                        |     |

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FIGURE 10-18. BOOM AUX HARNESS (SN 0160032766 to Present)



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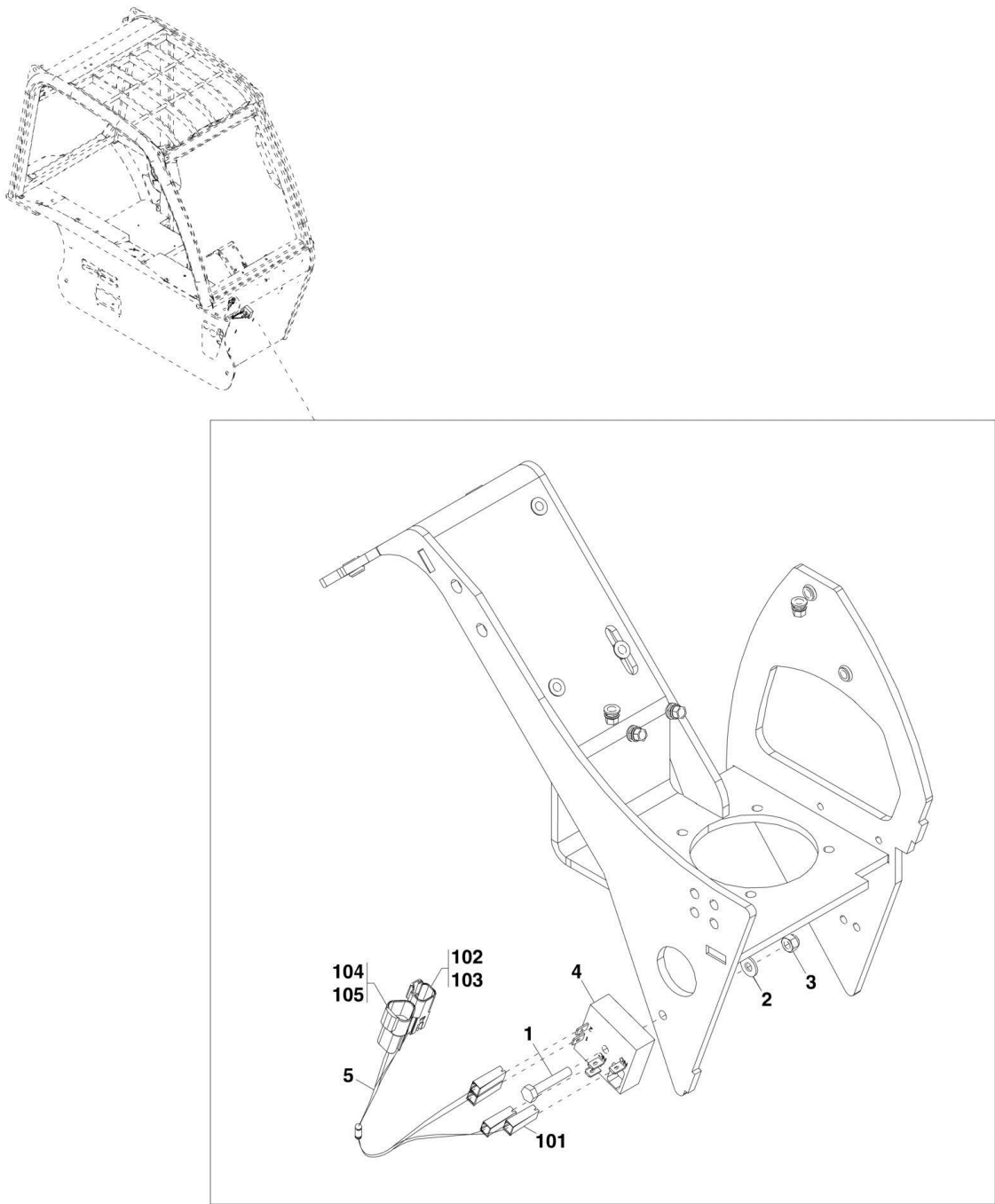
**FIGURE 10-18. BOOM AUX HARNESS (SN 0160032766 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
|      | 1001080397  | 1   | BOOM AUX HARNESS, (includes all items) | A   |
| 1    | 80484072    | 1   | CONNECTOR                              |     |
| 2    | 7026408     | 1   | CONNECTOR                              |     |

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FIGURE 10-19. LSI TIMER INSTALL - 2505 (Prior to SN 0160042694)

2505 - AUS



PAL5090

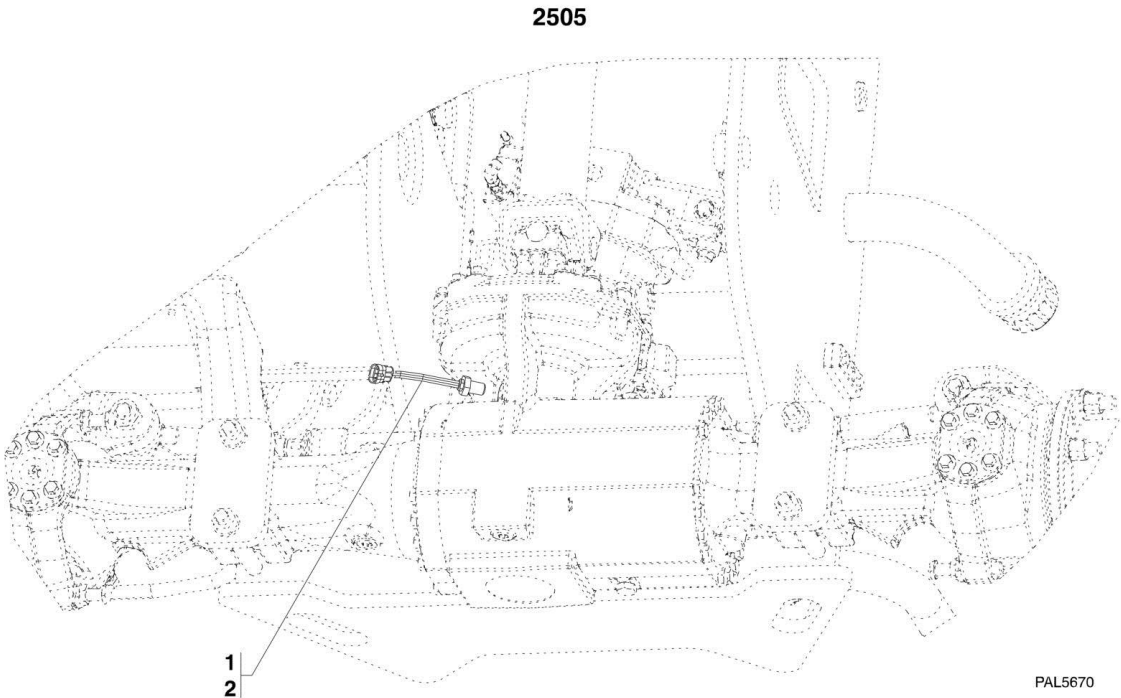
## SECTION 10 - ELECTRICAL

**FIGURE 10-19. LSI TIMER INSTALL - 2505 (Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                  | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------|-----|
|      | 1001107115  | Ref | LSI TIMER INSTALLATION, (AUS-2505), (not available to order, see items 1 thru 5 for service) | C   |
| 1    | 0641412     | 1   | HEX HD CAPSCREW, 1/4-20X1-1/2, GR5                                                           | B   |
| 2    | 4711400     | 1   | WASHER, 1/4                                                                                  |     |
| 3    | 8305624     | 1   | HEX LOCKNUT, 1/4-20                                                                          |     |
| 4    | 1001106876  | 1   | TIME DELAY RELAY                                                                             |     |
| 5    | 1001106951  | 1   | LSI INTERFACE HARNESS, (includes items 101 thru 105)                                         |     |
| 101  | 4460260     | 4   | CONNECTOR                                                                                    |     |
| 102  | 4460897     | 1   | CONNECTOR                                                                                    |     |
| 103  | 80604017    | 1   | LOCKING WEDGE                                                                                |     |
| 104  | 4460536     | 1   | CONNECTOR                                                                                    |     |
| 105  | 91503104    | 1   | LOCKING WEDGE                                                                                |     |

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FIGURE 10-20. SPEEDOMETER SENSOR INSTALLATION - 2505 (SN 0160042694 to Present)





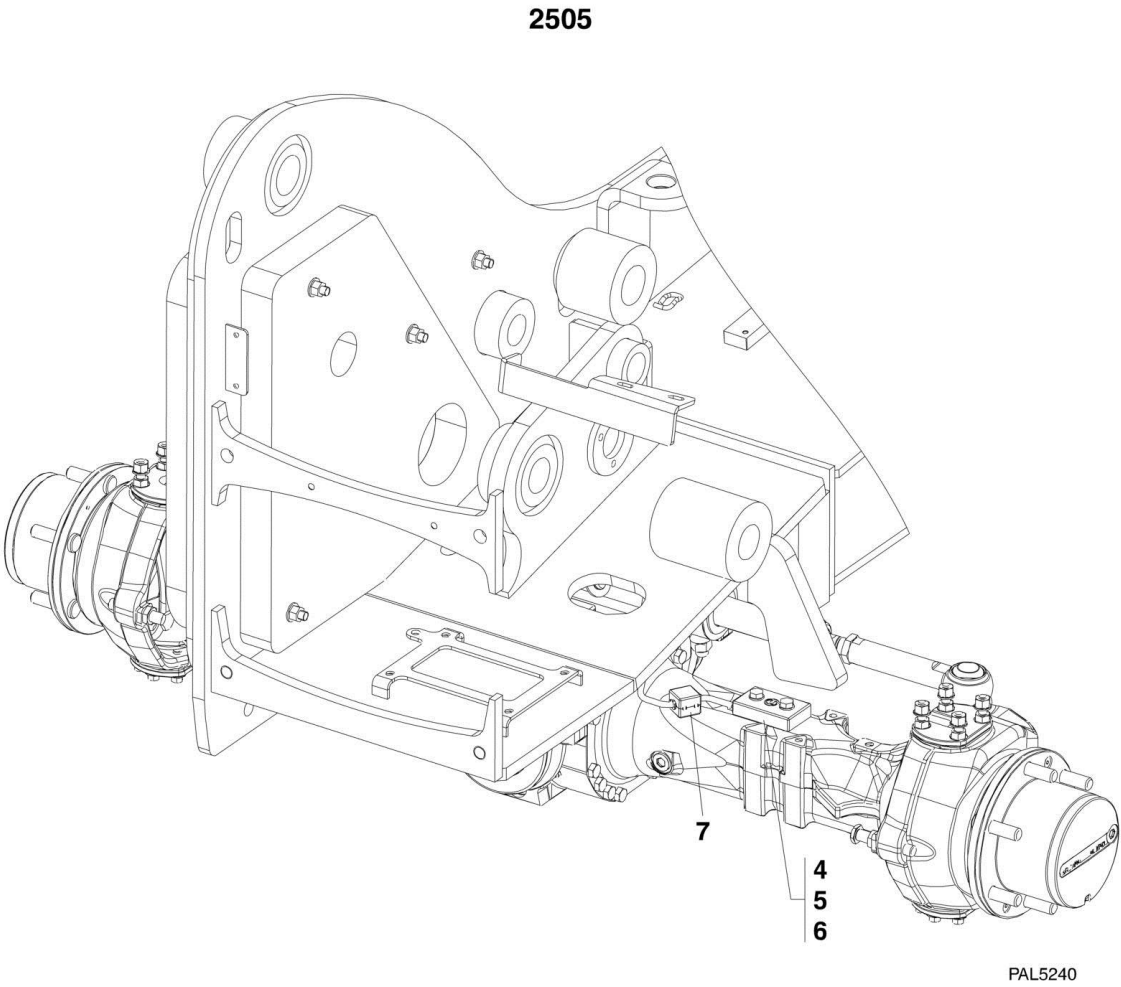
## SECTION 10 - ELECTRICAL

**FIGURE 10-20. SPEEDOMETER SENSOR INSTALLATION - 2505 (SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                   | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------|-----|
|      | 1001081068  | Ref | SPEEDOMETER SENSOR INSTALLATION - 2505, (not available to order, see items 1 & 2 for service) | E   |
| 1    | 1001081086  | 1   | SPEEDOMETER SENSOR                                                                            |     |
| 2    | 10837724    | 1   | WASHER SEAL                                                                                   |     |

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FIGURE 10-21. LSI INSTALLATION - 2505 (Prior to SN 0160042694)



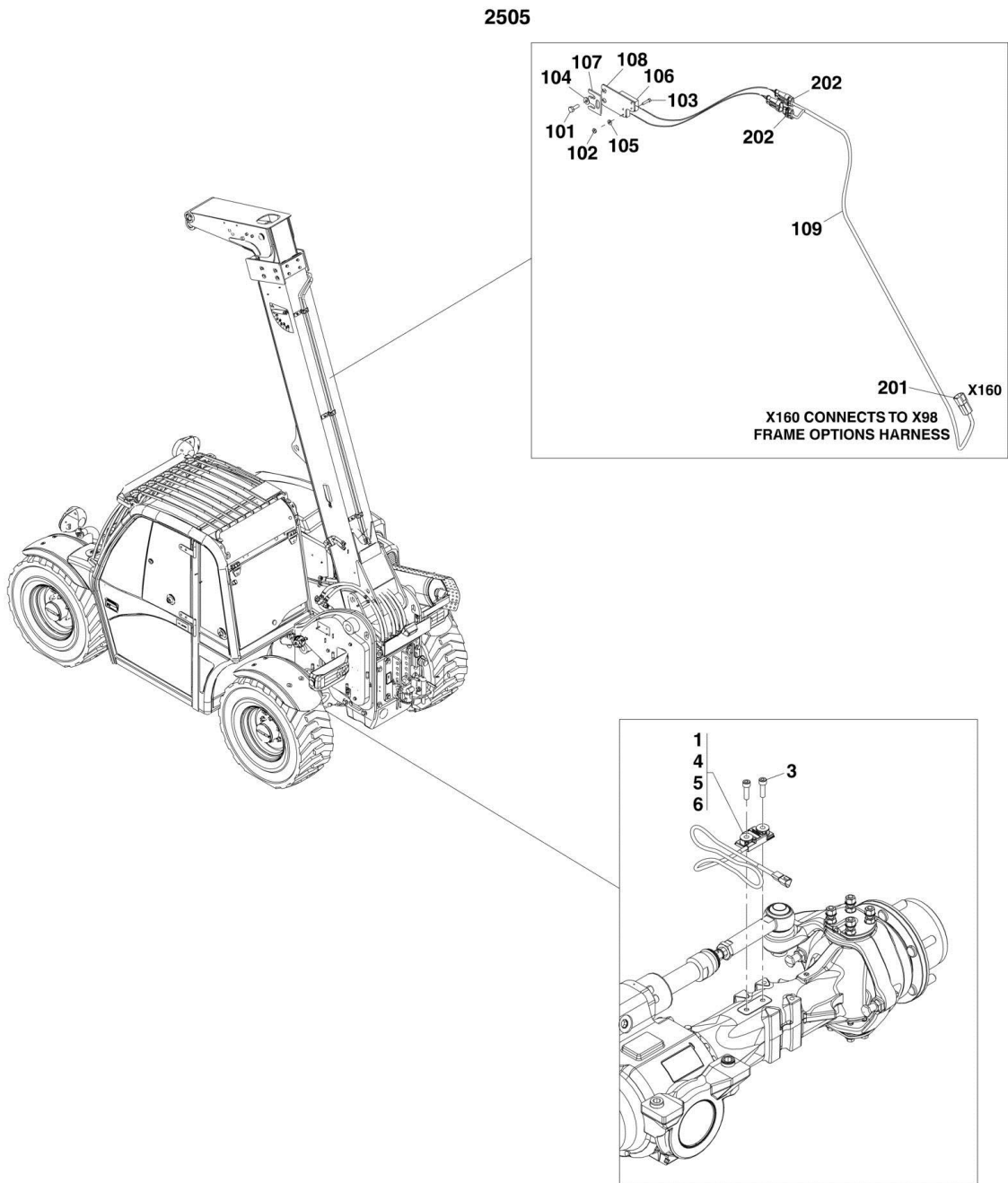
## SECTION 10 - ELECTRICAL

**FIGURE 10-21. LSI INSTALLATION - 2505 (Prior to SN 0160042694)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                       | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------|-----|
|      | 1001080650  | Ref | LSI INSTALLATION - 2505, (not available to order, see items 4 thru 7 for service) | F   |
| 4    | 0771016     | 2   | HEX HD CAPSCREW, M10X40, GR10.9                                                   |     |
| 5    | 4812000     | 2   | WASHER, 10mm                                                                      |     |
| 6    | 1001099060  | 1   | REAR AXLE LSI SENSOR                                                              |     |
| 7    | 1001102594  | 1   | LSI HARNESS                                                                       |     |

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FIGURE 10-22. LSI AXLE SENSOR AND BOOM PROXIMITY SENSOR INSTALLATION - 2505 (SN 0160042694 to Present)



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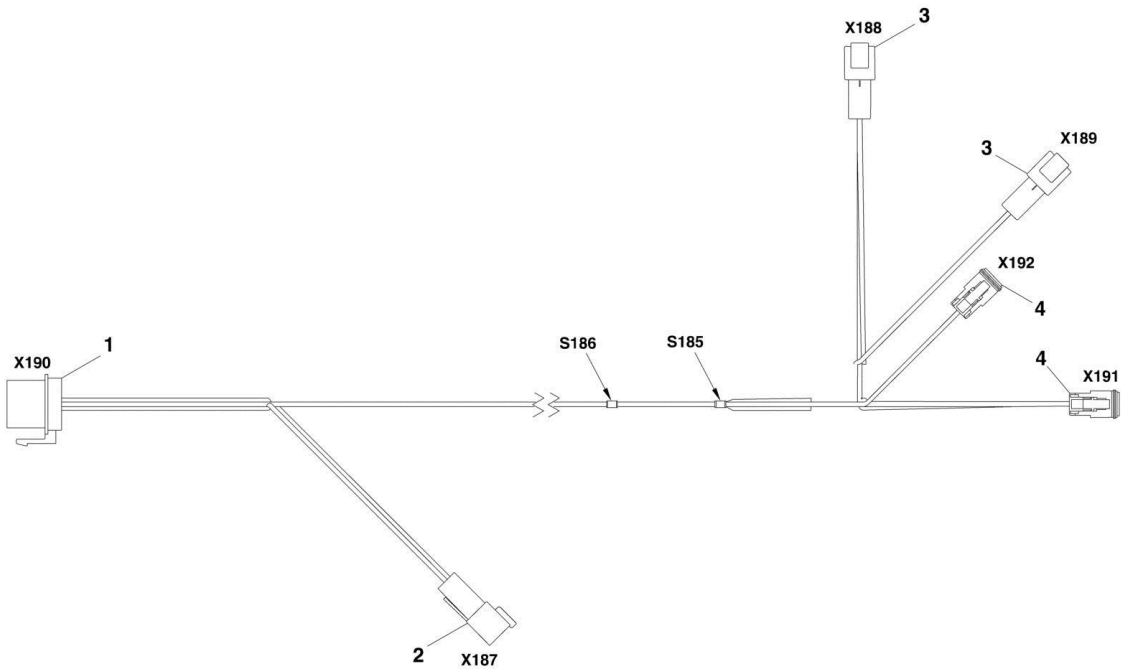
## SECTION 10 - ELECTRICAL

**FIGURE 10-22. LSI AXLE SENSOR AND BOOM PROXIMITY SENSOR INSTALLATION - 2505 (SN 0160042694 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                             | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------|-----|
|      | 1001131864  | Ref | LSI AXLE SENSOR INSTALLATION - 2505, (not available to order, see items 1 thru 6)       | C   |
| 1    | 1001129370  | NLA | REAR AXLE LSI SENSOR, (no longer available, use 1001160730 for replacement)             |     |
| 1    | 1001160730  | 1   | REAR AXLE LSI SENSOR                                                                    |     |
| 3    | 5272011     | NLA | HEX SOCKET HD SCREW, M10X35, GR12.9, (no longer available, use 5272012 for replacement) |     |
| 3    | 5272012     | 2   | HEX SOCKET HD SCREW, M10X40, GR12.9                                                     |     |
| 4    | 1001125465  | AR  | LOCTITE 7063                                                                            |     |
| 5    | 1001129425  | AR  | LOCTITE ADHESIVE AND ACTIVATOR                                                          | D   |
| 6    | 1001116128  | AR  | SEAL, POLYSILOXANE SEALANT <b>(SN 0160046865 to Present)</b>                            |     |
|      | 1001130475  | Ref | BOOM PROXIMITY SENSOR INSTALLATION, (not available to order, see items 101 thru 109)    |     |
| 101  | 0641406     | 2   | HEX HD CAPSCREW, 1/4-20X3/4, GR5                                                        |     |
| 102  | 3310805     | 4   | HEX LOCKNUT, 8-32, GR2                                                                  |     |
| 103  | 3930812     | 4   | SOCKET HD CAPSCREW, 8-32X3/4                                                            |     |
| 104  | 4711400     | 2   | WASHER, 1/4                                                                             |     |
| 105  | 4750800     | 4   | WASHER                                                                                  |     |
| 106  | 1001121021  | 2   | PROXIMITY SENSOR                                                                        |     |
| 107  | 1001121953  | 6   | PROXIMITY SENSOR SHIM                                                                   |     |
| 108  | 1001122290  | 1   | BOOM PROXIMITY SENSOR BRACKET                                                           | A   |
| 109  | 1001129801  | 1   | LSI BOOM SENSOR HARNESS, (includes items 201 & 202)                                     |     |
| 201  | 4460899     | 1   | CONNECTOR                                                                               |     |
| 201  | 80604022    | 1   | WEDGE LOCK                                                                              |     |
| 201  | 4460464     | 6   | TERMINAL                                                                                |     |
| 202  | 4461262     | 1   | CONNECTOR                                                                               |     |
| 202  | 1001107854  | 3   | TERMINAL                                                                                |     |

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FIGURE 10-23. FUNCTION CUTOUT JUMP HARNESS



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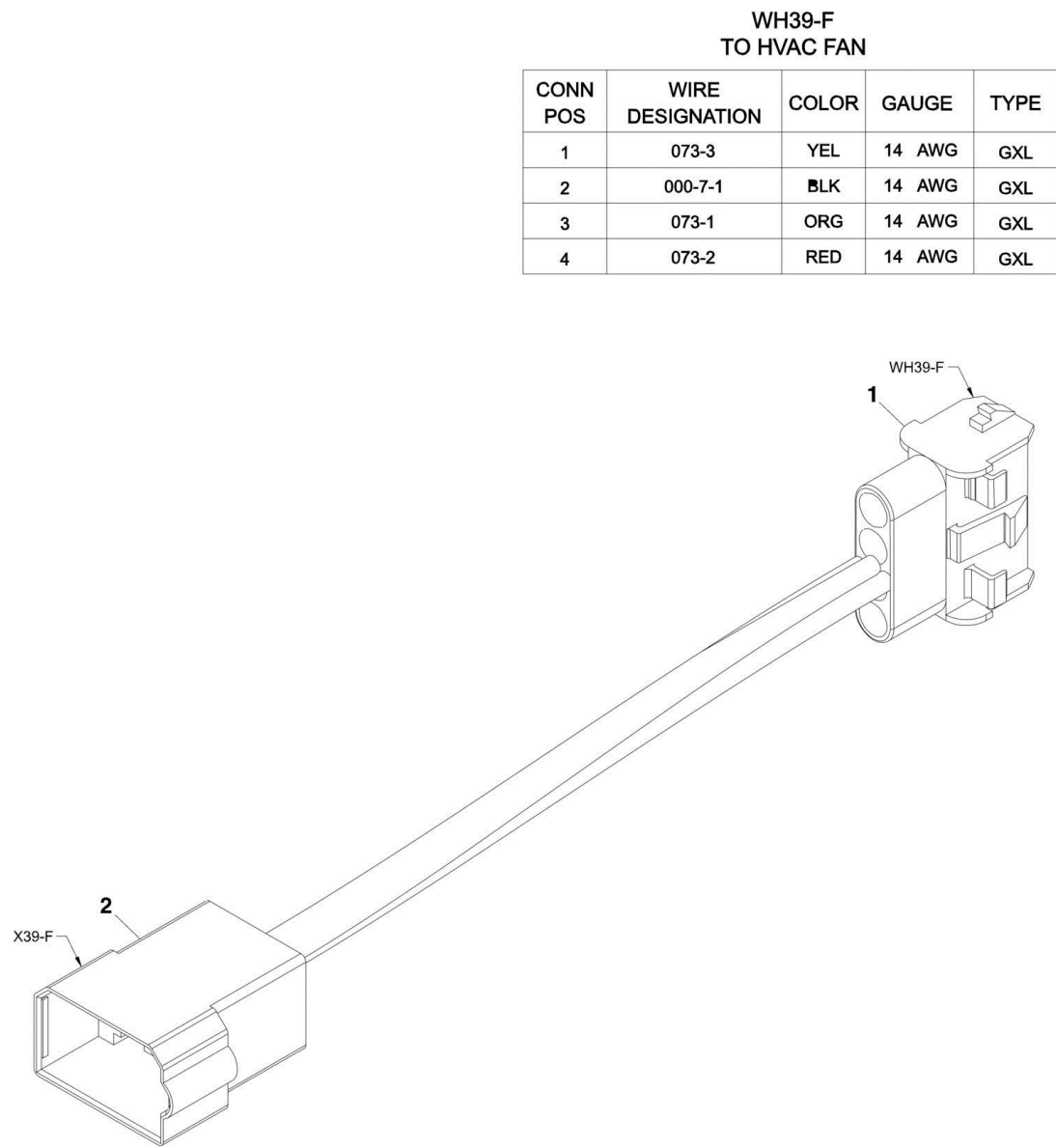
## SECTION 10 - ELECTRICAL

**FIGURE 10-23. FUNCTION CUTOUT JUMP HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                        | REV |
|------|-------------|-----|----------------------------------------------------|-----|
|      | 1001141513  | 1   | FUNCTION CUTOUT JUMP HARNESS, (includes all items) | A   |
| 1    | 1001117057  | 1   | CONNECTOR                                          |     |
| 2    | 4460932     | 1   | RECEPTACLE                                         |     |
| 3    | 4460892     | 2   | RECEPTACLE                                         |     |
| 4    | 4460891     | 2   | PLUG                                               |     |

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FIGURE 10-24. HEATER JUMPER HARNESS



X39-F

| CONN<br>POS | WIRE<br>DESIGNATION | COLOR | GAUGE  | TYPE |
|-------------|---------------------|-------|--------|------|
| A           | 073-1               | ORG   | 14 AWG | GXL  |
| B           | 073-2               | RED   | 14 AWG | GXL  |
| C           | 073-3               | YEL   | 14 AWG | GXL  |
| D           | 000-7-1             | BLK   | 14 AWG | GXL  |

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**FIGURE 10-24. HEATER JUMPER HARNESS**

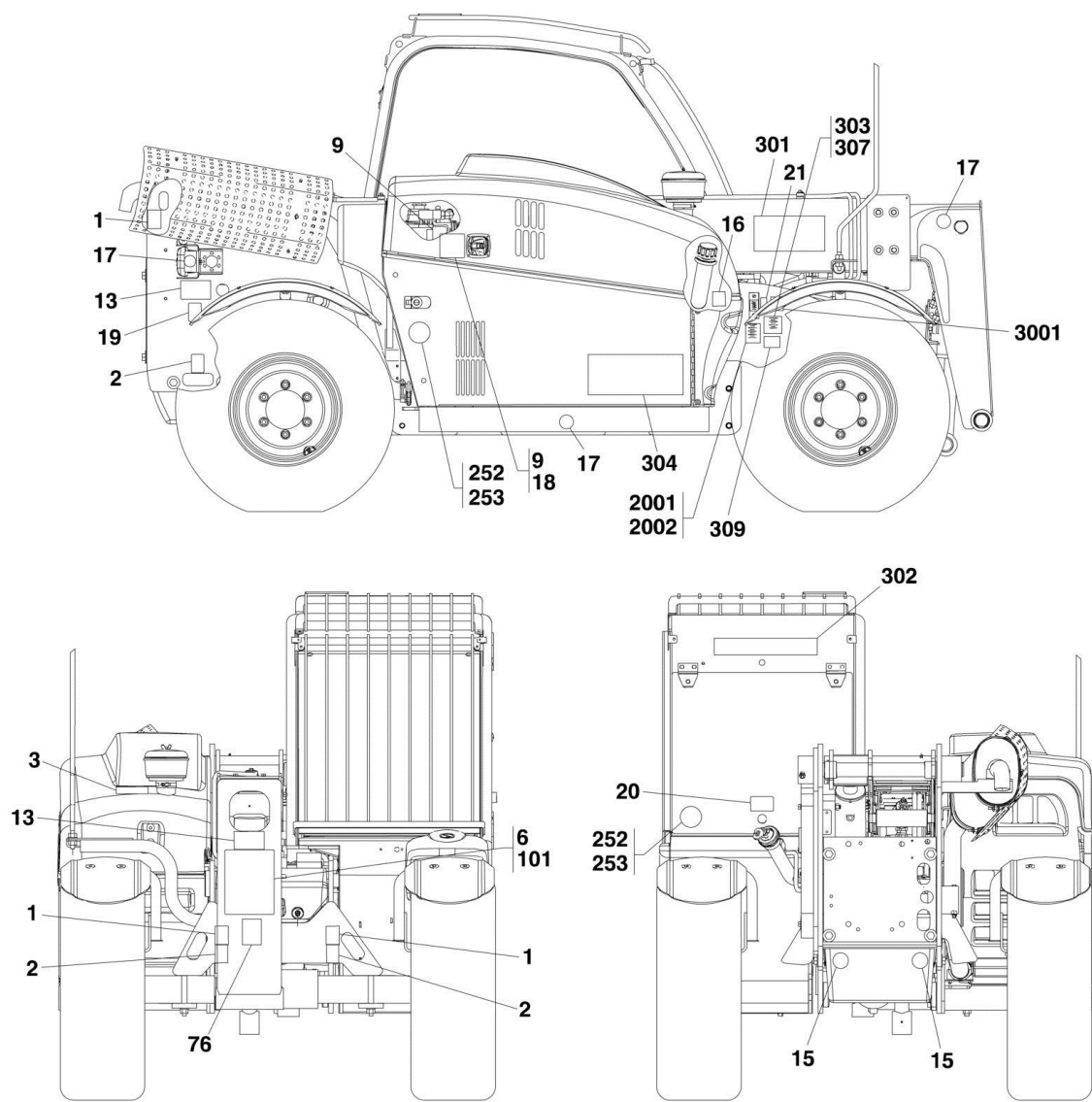
| ITEM | PART NUMBER | QTY | DESCRIPTION                                 | REV |
|------|-------------|-----|---------------------------------------------|-----|
|      | 1001110377  | 1   | HEATER JUMPER HARNESS, (includes all items) | C   |
| 1    | 1001119032  | 1   | CONNECTOR                                   |     |
| 2    | 1001117011  | 1   | CONNECTOR                                   |     |



**SECTION 11 - DECALS**

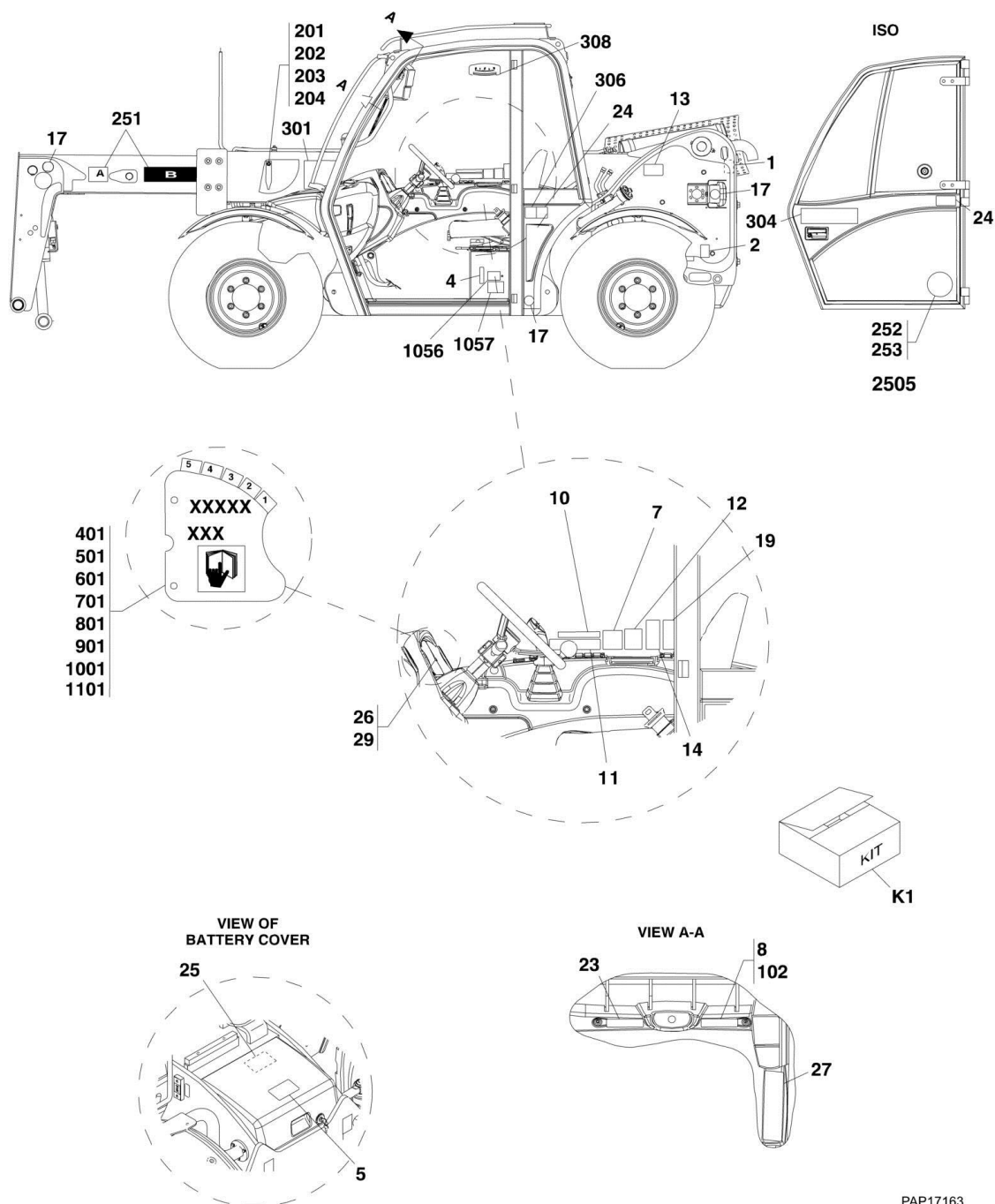
SECTION 11 - DECALS

FIGURE 11-1. FRAME AND BOOM DECALS



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## SECTION 11 - DECALS



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## SECTION 11 - DECALS

**FIGURE 11-1. FRAME AND BOOM DECALS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001081054  | Ref | ISO COMMON DECAL INSTALLATION, (CE), (ANSI, if equipped), (not available to order, see items 1 thru 29 for service)                                                   | K   |
|      | 1001081103  | Ref | ASME COMMON DECAL INSTALLATION, (ANSI, if equipped), (not available to order, see items 1 thru 3, 5, 7, 9 thru 14, 16, 20, 21, 23 thru 27, 29, 101 & 102 for service) | I   |
|      | 1001119045  | Ref | AUS COMMON DECAL INSTALLATION, (AUS), (not available to order, see items 1 thru 5, 7 thru 21, 23 thru 27, 29 & 76 for service)                                        | B   |
| 1    | 1701500     | 4   | LIFT DECAL                                                                                                                                                            |     |
| 2    | 1702300     | 4   | TIE DOWN DECAL                                                                                                                                                        |     |
| 3    | 1706098     | 1   | ETHER START WARNING DECAL, (ISO and AUS)                                                                                                                              |     |
| 3    | 1706300     | 1   | ETHER START WARNING DECAL, (ASME)                                                                                                                                     |     |
| 4    | 1706209     | 1   | PARK BRAKE DECAL, (ISO and AUS)                                                                                                                                       |     |
| 5    | 1706281     | 1   | BATTERY WARNING DECAL, (ISO and AUS)                                                                                                                                  |     |
| 5    | 1706296     | 1   | BATTERY WARNING DECAL, (ASME)                                                                                                                                         |     |
| 6    | 1706282     | 1   | CARRY PERSONNEL DECAL, (ISO)                                                                                                                                          |     |
| 7    | 1706283     | 1   | DO NOT JUMP DECAL, (ISO and AUS)                                                                                                                                      |     |
| 7    | 1706851     | 1   | DO NOT JUMP DECAL, (ASME)                                                                                                                                             |     |
| 8    | 1706284     | 1   | ELECTROCUTION HAZARD DECAL, (ISO and AUS)                                                                                                                             |     |
| 9    | 1706285     | 2   | MOVING PARTS DECAL, (ISO and AUS)                                                                                                                                     |     |
| 9    | 1706301     | 2   | ROTATING PART WARNING DECAL, (ASME)                                                                                                                                   |     |
| 10   | 1706287     | 1   | READ MANUAL DECAL, (ISO and AUS)                                                                                                                                      |     |
| 10   | 1706303     | 1   | READ MANUAL DECAL, (ASME)                                                                                                                                             |     |
| 11   | 1706288     | 1   | TIP OVER WARNING DECAL, (ISO and AUS)                                                                                                                                 |     |
| 11   | 1706306     | 1   | TIP OVER WARNING DECAL, (ASME)                                                                                                                                        |     |
| 12   | 1706289     | 1   | VEHICLE ROLL AWAY DECAL, (ISO and AUS)                                                                                                                                |     |
| 12   | 1706767     | 1   | VEHICLE ROLL AWAY DECAL, (ASME)                                                                                                                                       |     |
| 13   | 1706292     | 3   | PINCH POINT DECAL, (ISO and AUS)                                                                                                                                      |     |
| 13   | 1706302     | 3   | PINCH POINT DECAL, (ASME)                                                                                                                                             |     |
| 14   | 1706293     | 1   | RUN-OVER HAZARD DECAL, (ISO and AUS)                                                                                                                                  |     |
| 14   | 1706304     | 1   | RUN-OVER HAZARD DECAL, (ASME)                                                                                                                                         |     |
| 15   | 3931579     | 2   | REFLECTOR, (ISO and AUS)                                                                                                                                              |     |
| 16   | 4100181     | 1   | HYDRAULIC OIL FILL DECAL                                                                                                                                              |     |
| 17   | 3700016     | 6   | REFLECTOR, (ISO and AUS)                                                                                                                                              |     |
| 18   | 8005670     | 1   | READ OPERATORS MANUAL DECAL, (ISO and AUS)                                                                                                                            |     |
| 19   | 8005671     | 2   | CYLINDER LOCK WARNING DECAL, (ISO and AUS)                                                                                                                            |     |
| 20   | 8005870     | 1   | EMERGENCY EXIT DECAL                                                                                                                                                  |     |
| 21   | 91563220    | 1   | OIL LEVEL DECAL                                                                                                                                                       |     |
| 23   | 1001092877  | 1   | CRUSH HAZARD WARNING DECAL, (ISO and AUS)                                                                                                                             |     |
| 23   | 1706850     | 1   | CRUSH HAZARD WARNING DECAL, (ASME)                                                                                                                                    |     |
| 24   | 1001092878  | 1   | NO RIDERS DECAL, (ISO and AUS)                                                                                                                                        |     |
| 24   | 1706768     | 1   | NO RIDERS DECAL, (ASME)                                                                                                                                               |     |
| 25   | 1001097475  | 1   | FUSE COVER DECAL                                                                                                                                                      |     |
| 26   | 1001099710  | 1   | MAINTENANCE CHART, (ASME), (ISO and AUS) <b>(Prior to SN 0160042694)</b>                                                                                              |     |
| 26   | 1001138089  | 1   | MAINTENANCE CHART, (ISO and AUS) <b>(SN 0160042694 to Present)</b>                                                                                                    |     |
| 27   | 1001101071  | 1   | JOYSTICK DECAL                                                                                                                                                        |     |
| 29   | 1001100107  | 1   | LUBE CHART                                                                                                                                                            |     |
| 76   | 8006038     | 1   | NO RIDERS DECAL, (AUS)                                                                                                                                                |     |
| 101  | 1706298     | 1   | ATTACHMENT FALLING OFF WARNING DECAL, (ASME)                                                                                                                          |     |
| 102  | 1706299     | 1   | CONTACTING POWER LINES WARNING DECAL, (ASME)                                                                                                                          |     |

## SECTION 11 - DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                     | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 201  | 7075611     | 1   | BOOM ANGLE INDICATOR                                                                                                                            |     |
| 202  | 4105262     | 1   | BOOM ANGLE DECAL                                                                                                                                |     |
| 203  | 3311705     | 1   | LOCKNUT, 7/16-14                                                                                                                                |     |
| 204  | 4711700     | 3   | FLAT WASHER, 7/16                                                                                                                               |     |
| 251  | 1001099783  | 1   | BOOM EXTEND DECAL                                                                                                                               |     |
| 252  | 1001081158  | 3   | SPEED DECAL, 30KPH, (Germany), (if equipped)                                                                                                    |     |
| 253  | 2603207     | 3   | SPEED DECAL, 20KPH, (Germany), (if equipped)                                                                                                    |     |
|      | 1001081110  | Ref | DECAL INSTALLATION, (2505 - CE), (not available to order, see items 301, 303, 304, 306, 307 & 309 for service)                                  | F   |
|      | 1001081108  | Ref | DECAL INSTALLATION, (G5-18A), (not available to order, see items 301 thru 304, 307 & 309 for service)                                           | F   |
|      | 1001107675  | Ref | DECAL INSTALLATION, (2505 - AUS), (not available to order, see items 301, 303, 304, 306 thru 308 for service)                                   | D   |
| 301  | 1702773     | 2   | JLG DECAL                                                                                                                                       |     |
| 302  | 1704885     | 1   | JLG WEBSITE DECAL                                                                                                                               |     |
| 303  | N.S.S.      | 1   | SN PLATE                                                                                                                                        |     |
| 304  | 1001099708  | 1   | SN PLATE G5-18A DECAL                                                                                                                           |     |
| 304  | 1001099707  | 2   | SN PLATE 2505 DECAL                                                                                                                             |     |
| 306  | 1705979     | 1   | 105dB ACOUSTIC DECAL                                                                                                                            |     |
| 307  | N.S.S.      | 4   | AMTAK FASTENER                                                                                                                                  |     |
| 308  | 8466306     | 1   | TILT ANGLE GAUGE                                                                                                                                |     |
| 309  | 1001131271  | 1   | PATENT TELEHANDLERS DECAL                                                                                                                       |     |
| 401  | 1001102000  | 1   | CAPACITY CHART BOOKLET, ENGLISH UNIT, (G5-18A), (use with hydraulic or manual quick coupler)                                                    | F   |
| 501  | 1001102010  | 1   | CAPACITY CHART BOOKLET, METRIC UNIT, (2505), (use with hydraulic or manual quick coupler)                                                       | D   |
| 601  | 1001107400  | 1   | CAPACITY CHART BOOKLET, METRIC UNIT, (2505 - AUS), (use with hydraulic quick coupler or manual quick coupler) <b>(Prior to SN 0160045913)</b>   | C   |
| 601  | 1001136635  | 1   | CAPACITY CHART BOOKLET, METRIC UNIT, (2505 - AUS), (use with hydraulic quick coupler or manual quick coupler) <b>(SN 0160045913 to Present)</b> | A   |
| 701  | 1001102030  | Ref | CAPACITY CHART BOOKLET, ENGLISH UNIT, (G5-18A), (use with universal quick coupler), (Prior to SN 0160040809, for use with UQC 1001098709)       | E   |
| 701  | 1001126677  | 1   | CAPACITY CHART BOOKLET, ENGLISH UNIT, (G5-18A), (use with universal quick coupler), (SN 0160040809 to Present, for use with UQC 1001117498)     | E   |
| 801  | 1001117338  | 1   | CAPACITY CHART BOOKLET, METRIC UNIT, (G5-18A), (use with universal quick coupler), (Prior to SN 0160040809, for use with UQC 1001098709)        | B   |
| 801  | 1001126685  | 1   | CAPACITY CHART BOOKLET, METRIC UNIT, (G5-18A), (use with universal quick coupler), (SN 0160040809 to Present, for use with UQC 1001117498)      | D   |
| 901  | 1001102040  | Ref | CAPACITY CHART BOOKLET, METRIC UNIT, (2505), (use with universal quick coupler), (Prior to SN 0160040809, for use with UQC 1001098709)          | E   |
| 901  | 1001126678  | 1   | CAPACITY CHART BOOKLET, METRIC UNIT, (2505), (use with universal quick coupler), (SN 0160040809 to Present, for use with UQC 1001117498)        | A   |
| 1001 | 1001126681  | 1   | CAPACITY CHART BOOKLET, (2505 - AUS), (use with universal quick coupler) <b>(Prior to SN 0160045913)</b>                                        | B   |
| 1001 | 1001136633  | 1   | CAPACITY CHART BOOKLET, (2505 - AUS), (use with universal quick coupler) <b>(SN 0160045913 to Present)</b>                                      | A   |
| 1056 | N.S.S.      | 1   | NAMEPLATE DECAL                                                                                                                                 |     |
| 1057 | 1001109365  | 1   | ROPS WARNING DECAL <b>(Prior to SN 0160042433)</b>                                                                                              |     |

## SECTION 11 - DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                 | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------|-----|
| 1101 | 1001117326  | 1   | CAPACITY CHART BOOKLET, METRIC UNIT, (G5-18A), (use with hydraulic or manual quick coupler) | E   |
|      | 1001081374  | 1   | HOMOLOGATION PLATE INSTALLATION, (2505 - Germany), (includes items 2001 & 2002)             | D   |
| 2001 | 1001003536  | 1   | HOMOLOGATION IDENTIFICATION PLATE                                                           |     |
| 2002 | 2080057     | 4   | FASTENER                                                                                    |     |
| 3001 | N.S.S.      | 1   | ENGINE IDENTIFICATION PLATE                                                                 |     |
| K1   | 1001140667  | 1   | LEAVITT DECAL KIT                                                                           |     |



**SECTION 12 - RECOMMENDED SPARE PARTS**

## SECTION 12 - RECOMMENDED SPARE PARTS

FIGURE 12-1. RECOMMENDED SPARE PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | Note        | Ref | <b>The following list will service fleets of machines (built to current production per date on the front cover) with repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.</b> |     |
|      |             | Ref | <b>Boom</b>                                                                                                                                                                                                                                                                                                                                                                 |     |
|      | 1001080209  | 1   | Boom Hose, Twin Line, (Tilt and Aux), (Mechanical Quick Coupler)                                                                                                                                                                                                                                                                                                            |     |
|      | 1001080299  | 1   | Boom Hose, Twin Line, (Tilt), (Hydraulic Quick Coupler)                                                                                                                                                                                                                                                                                                                     |     |
|      | 1001080209  | 1   | Boom Hose, Twin Line, (Aux), (Hydraulic Quick Coupler)                                                                                                                                                                                                                                                                                                                      |     |
|      | 7082362     | 2   | Shim, 0.134                                                                                                                                                                                                                                                                                                                                                                 |     |
|      | 7126182     | 2   | Shim, 0.0747                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 7300518     | 6   | Shim, 0.0747                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 1001096584  | AR  | Shim, 0.0359                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 1001096585  | AR  | Shim, 0.0359                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 7300032     | 8   | Wear Pad, 15.88                                                                                                                                                                                                                                                                                                                                                             |     |
|      | 7300034     | 4   | Wear Pad, 15.9                                                                                                                                                                                                                                                                                                                                                              |     |
|      | 1001080391  | 2   | Wear Pad Spacer, 1.00                                                                                                                                                                                                                                                                                                                                                       |     |
|      |             | Ref | <b>ENGINE</b>                                                                                                                                                                                                                                                                                                                                                               |     |
|      | 1001080707  | 1   | Fuel Cap Assy                                                                                                                                                                                                                                                                                                                                                               |     |
|      | 1001062773  | 1   | Air Filter Pre-cleaner                                                                                                                                                                                                                                                                                                                                                      |     |
|      | 1001081316  | 1   | Hydraulic Oil Filter Element                                                                                                                                                                                                                                                                                                                                                |     |
|      | 1001080897  | 1   | Engine Oil Filler Cap                                                                                                                                                                                                                                                                                                                                                       |     |
|      | 3790213     | 1   | Engine Oil Filler Cap Seal                                                                                                                                                                                                                                                                                                                                                  |     |
|      | 70021190    | 1   | Pre-fuel Filter Assy                                                                                                                                                                                                                                                                                                                                                        |     |
|      | 7028655     | 1   | Secondary Fuel Filter                                                                                                                                                                                                                                                                                                                                                       |     |
|      | 70021187    | 1   | Engine Oil Dipstick                                                                                                                                                                                                                                                                                                                                                         |     |
|      | 70021192    | 1   | Thermostat                                                                                                                                                                                                                                                                                                                                                                  |     |
|      | 8006013     | 1   | Engine Oil Filter                                                                                                                                                                                                                                                                                                                                                           |     |
|      | 70021188    | 1   | Alternator                                                                                                                                                                                                                                                                                                                                                                  |     |
|      | 1001080274  | 1   | Fan                                                                                                                                                                                                                                                                                                                                                                         |     |
|      | 70021184    | 1   | Fan Belt                                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 7026442     | 1   | Radiator Cap                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 70020623    | 1   | Air Filter Primary Element                                                                                                                                                                                                                                                                                                                                                  |     |
|      | 70020624    | 1   | Air Filter Secondary Element                                                                                                                                                                                                                                                                                                                                                |     |
|      | 1001080702  | 1   | Belt, Air Conditioning                                                                                                                                                                                                                                                                                                                                                      |     |
|      |             | Ref | <b>DRIVE TRAIN</b>                                                                                                                                                                                                                                                                                                                                                          |     |
|      | 91474512    | 3   | Breather                                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 91514087    | 1   | Plug, Front/Rear Hub                                                                                                                                                                                                                                                                                                                                                        |     |
|      | 70021177    | 1   | Plug, Front/Rear Hub Magnetic                                                                                                                                                                                                                                                                                                                                               |     |
|      | 80204117    | 4   | Plug, Rear Hub                                                                                                                                                                                                                                                                                                                                                              |     |
|      |             | Ref | <b>Hydraulic</b>                                                                                                                                                                                                                                                                                                                                                            |     |
|      | 1001080092  | 1   | Hydraulic Tank Cover Gasket                                                                                                                                                                                                                                                                                                                                                 |     |
|      | 1001081070  | 1   | Hydraulic Cap Assy                                                                                                                                                                                                                                                                                                                                                          |     |
|      | 1001080256  | 1   | Boom Joystick                                                                                                                                                                                                                                                                                                                                                               |     |
|      | 70020769    | 1   | Boom Joystick Handle Assy                                                                                                                                                                                                                                                                                                                                                   |     |
|      | 70020389    | 1   | Seal Kit, Comp. Cylinder                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 70020401    | 1   | Seal Kit, Extend/Retract Cylinder                                                                                                                                                                                                                                                                                                                                           |     |
|      | 70020389    | 1   | Seal Kit, Tilt Cylinder                                                                                                                                                                                                                                                                                                                                                     |     |

## SECTION 12 - RECOMMENDED SPARE PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                     | REV |
|------|-------------|-----|-------------------------------------------------|-----|
|      | 70020377    | 1   | Seal Kit, Lift Cylinder                         |     |
|      | 70020922    | 1   | Seal Kit, Park Brake Lever                      |     |
|      | 70020919    | 1   | Seal Kit, Brake Valve Master Cylinder           |     |
|      | 70020867    | 2   | Seal Kit, Steer Select Valve                    |     |
|      | 70020370    | 4   | Bushings, Tilt/Lift Cylinder                    |     |
|      | 70020399    | 4   | Bushings, Extend/Retract Cylinder               |     |
|      | 70020390    | 4   | Bushings, Comp Cylinder                         |     |
|      |             | Ref | <b>ELECTRICAL</b>                               |     |
|      | 1001001514  | 1   | Oil Pressure Switch                             |     |
|      | 2420229     | 1   | Temperature Sender                              |     |
|      | 1001080162  | 1   | Fuel Level Sender                               |     |
|      | 0400075     | 1   | 12V Battery                                     |     |
|      | 91143357    | 1   | Horn                                            |     |
|      | 1001101808  | 1   | Back Up Alarm, (2505)                           |     |
|      | 1001099810  | 1   | Back Up Alarm, (G5-18A)                         |     |
|      |             | Ref | <b>MISC.</b>                                    |     |
|      | 70020621    | 1   | Ignition Key                                    |     |
|      | 8342813     | 1   | Exterior Door Key                               |     |
|      | 1001102157  | 1   | Padlock                                         |     |
|      | 31200359    | 1   | Operation and Safety Manual                     |     |
|      | 31200361    | 1   | Service Manual                                  |     |
|      |             | Ref | <b>Special Tools</b>                            |     |
|      | 70021971    | 1   | Spline Socket, Drive Axle                       |     |
|      | 70021972    | 1   | Keyed Wrench, Drive Axle                        |     |
|      | 70021973    | 1   | Hex Wrench, Drive Axle                          |     |
|      | 70021974    | 1   | Gauge, Drive Axle                               |     |
|      | 70021946    | 1   | Mounting Sleeve, Hydrostatic Transmission       |     |
|      | 70021947    | 1   | O-Ring Removal Sleeve, Hydrostatic Transmission |     |



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# PART NUMBER INDEX

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