# Illustrated Parts Manual

## Models
## G6-42A
## G9-43A
## G10-43A

G6-42A
SN 0160048658 to Present
G9-43A & G10-43A
SN 0160048671 to Present
excluding 0160048773

***31200727***

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December 15, 2023 - Rev R

An Oshkosh Corporation Company

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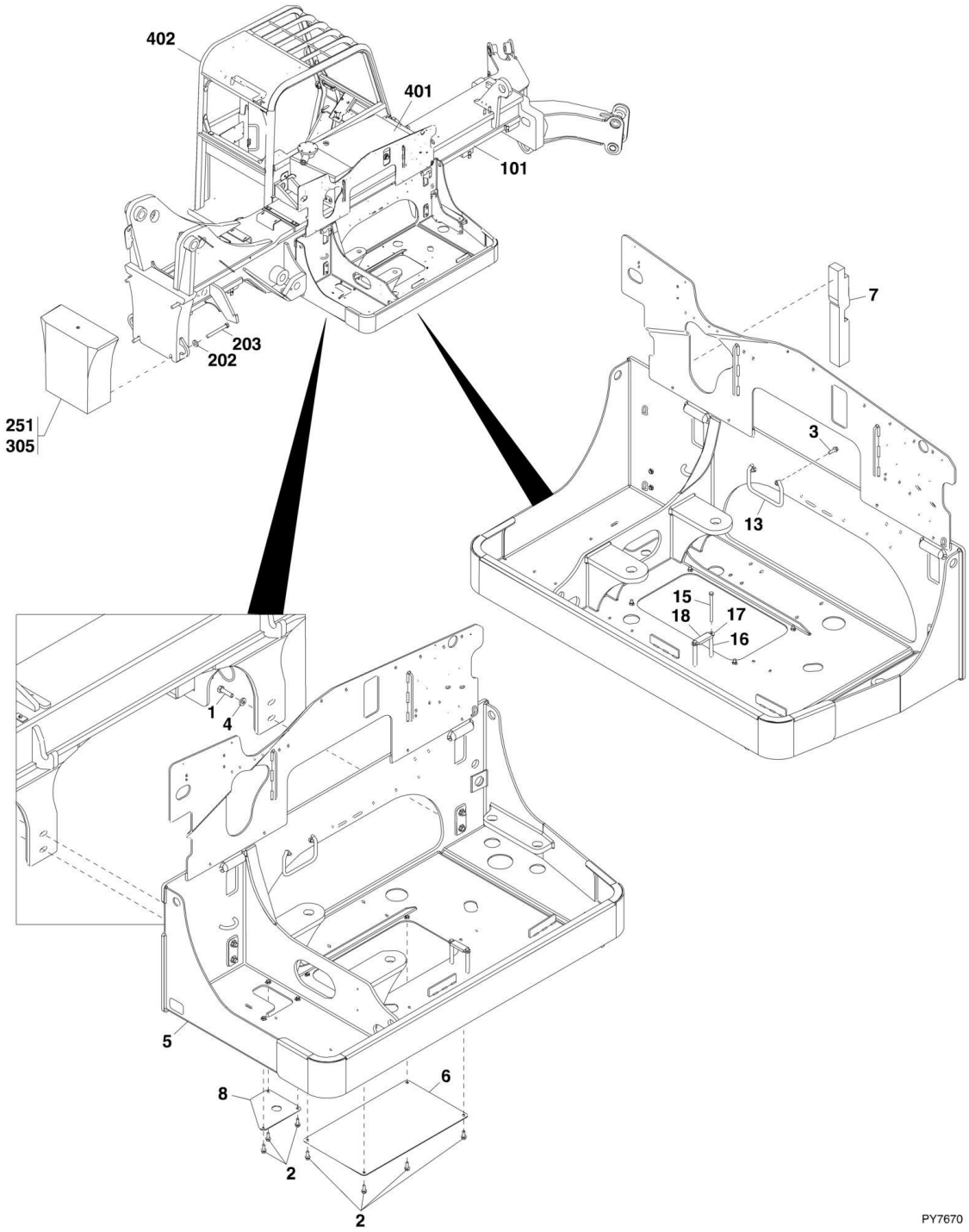
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# SECTION 1 - FRAME AND ATTACHING PARTS

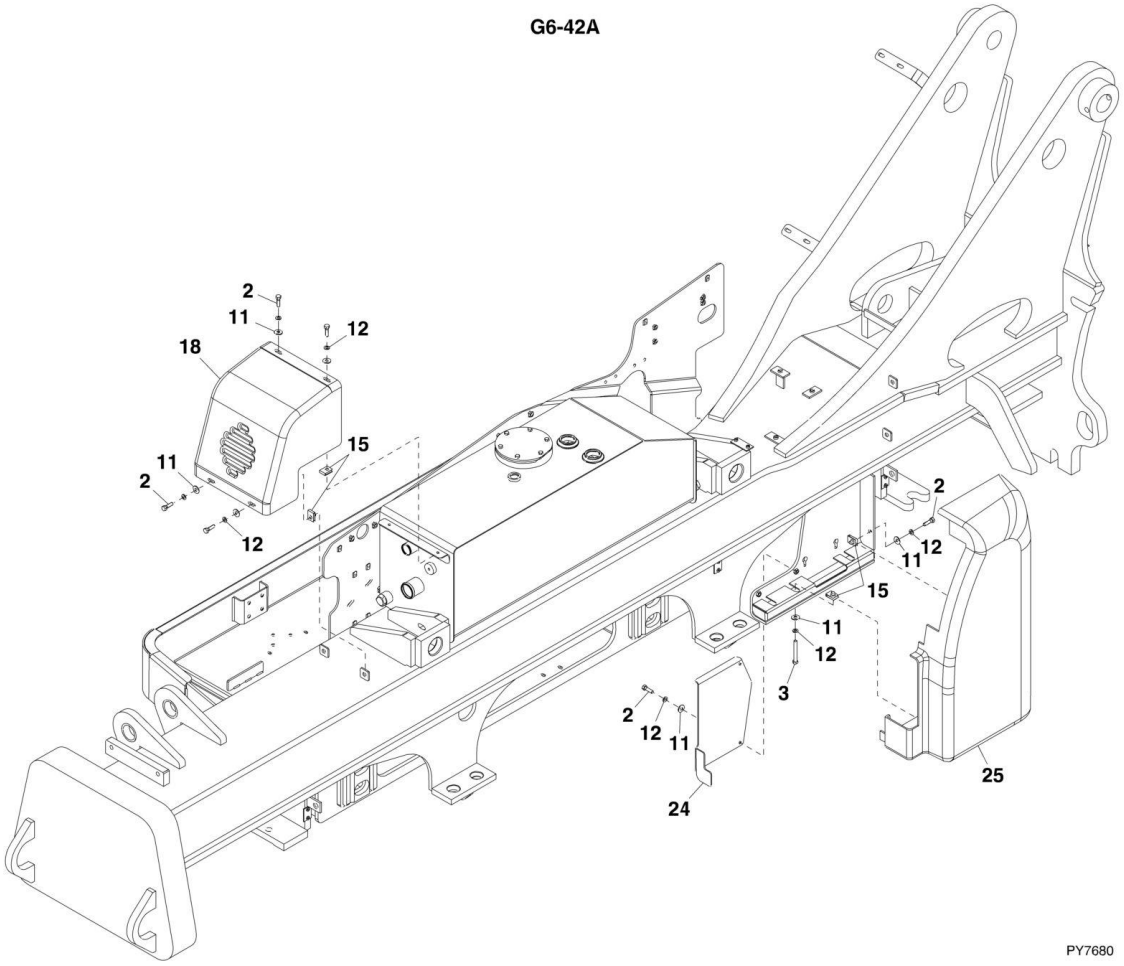
## FIGURE 1-1. FRAME AND ATTACHING PARTS

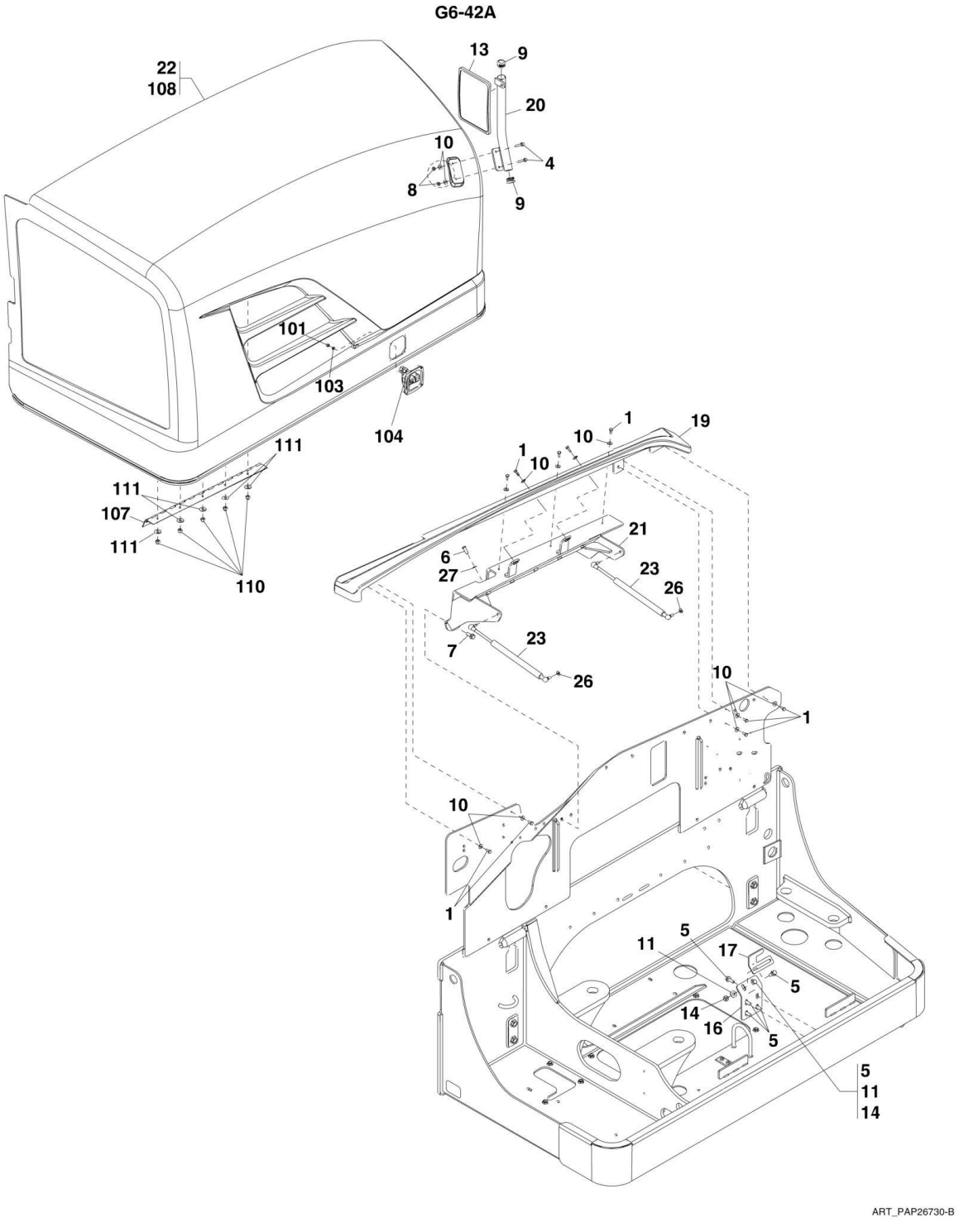


## FIGURE 1-1. FRAME AND ATTACHING PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131905 | Ref | ENGINE POD INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 18) (G6-42A) | F |
| | 1001139428 | Ref | ENGINE POD INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 18) (G6-42A) | E |
| | 1001131899 | Ref | ENGINE POD INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 18) (G10-43A,G9-43A) | F |
| | 1001139427 | Ref | ENGINE POD INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 18) (G10-43A,G9-43A) | E |
| 1 | 0682018 | 4 | HEX HD CAPSCREW, 5/8-11X2-1/4 | |
| 2 | 0811608 | 7 | SCREW, 3/8-16X1 | |
| 3 | 0811610 | 2 | SCREW, 3/8-16X1-1/4 | |
| 4 | 4892000 | 4 | HARDENED WASHER, 5/8 | |
| 5 | 1001121031 | 1 | POD WELDMENT SUPPORT | |
| 6 | 1001121047 | 1 | BOTTOM COVER PLATE | |
| 7 | 1001125491 | 1 | FOAM GASKET SEAL | |
| 8 | 1001128248 | 1 | COOLER ACCESS COVER PLATE | |
| 13 | 1001132796 | 1 | HOSE GUIDE BRACKET | |
| 15 | 0641640 | 2 | HEX HD CAPSCREW, 3/8-16X5 | |
| 16 | 1001143653 | 2 | SPACER TUBE | |
| 17 | 1001143654 | 1 | HOSE GUIDE PLATE | |
| 18 | 1001150299 | 1 | HOSE, 3/4 | |
| 101 | N.S.S. | 1 | FRAME WELDMENT | |
| 202 | 80241137 | 4 | SPECIAL WASHER | |
| 203 | 83201030 | 4 | HEX HD CAPSCREW, 1-8X3-1/2 (G6-42A) | |
| 203 | 80241147 | 4 | HEX HD CAPSCREW, 1-8X9-1/2 (G10-43A,G9-43A) | |
| 251 | 91140001CP | 1 | COUNTERWEIGHT, (if equipped) | |
| 251 | 1001097095CP | 1 | COUNTERWEIGHT W/PINTLE HITCH ASSY, (if equipped), (includes items 304 & 305) | C |
| 304 | | Ref | PINTLE HOOK, (not shown), (See PINTLE HOOK for Breakdown) | |
| 305 | 1001091458CP | 1 | COUNTERWEIGHT | |
| 401 | | Ref | HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 402 | | Ref | CAB WELDMENT, (See CAB SECTION for Breakdown) | |

## FIGURE 1-2. COVERS (G6-42A)



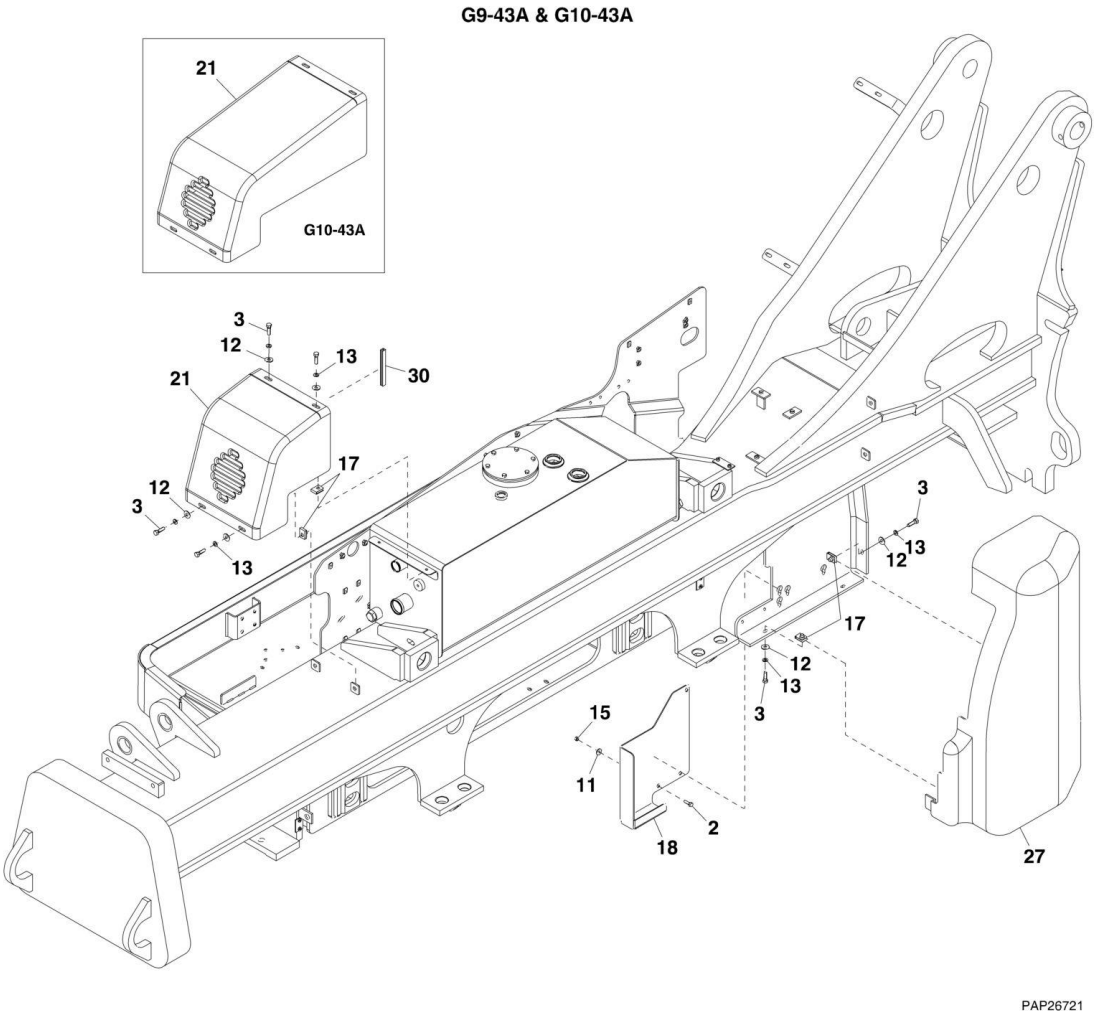

G6-42A
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# SECTION 1 - FRAME AND ATTACHING PARTS

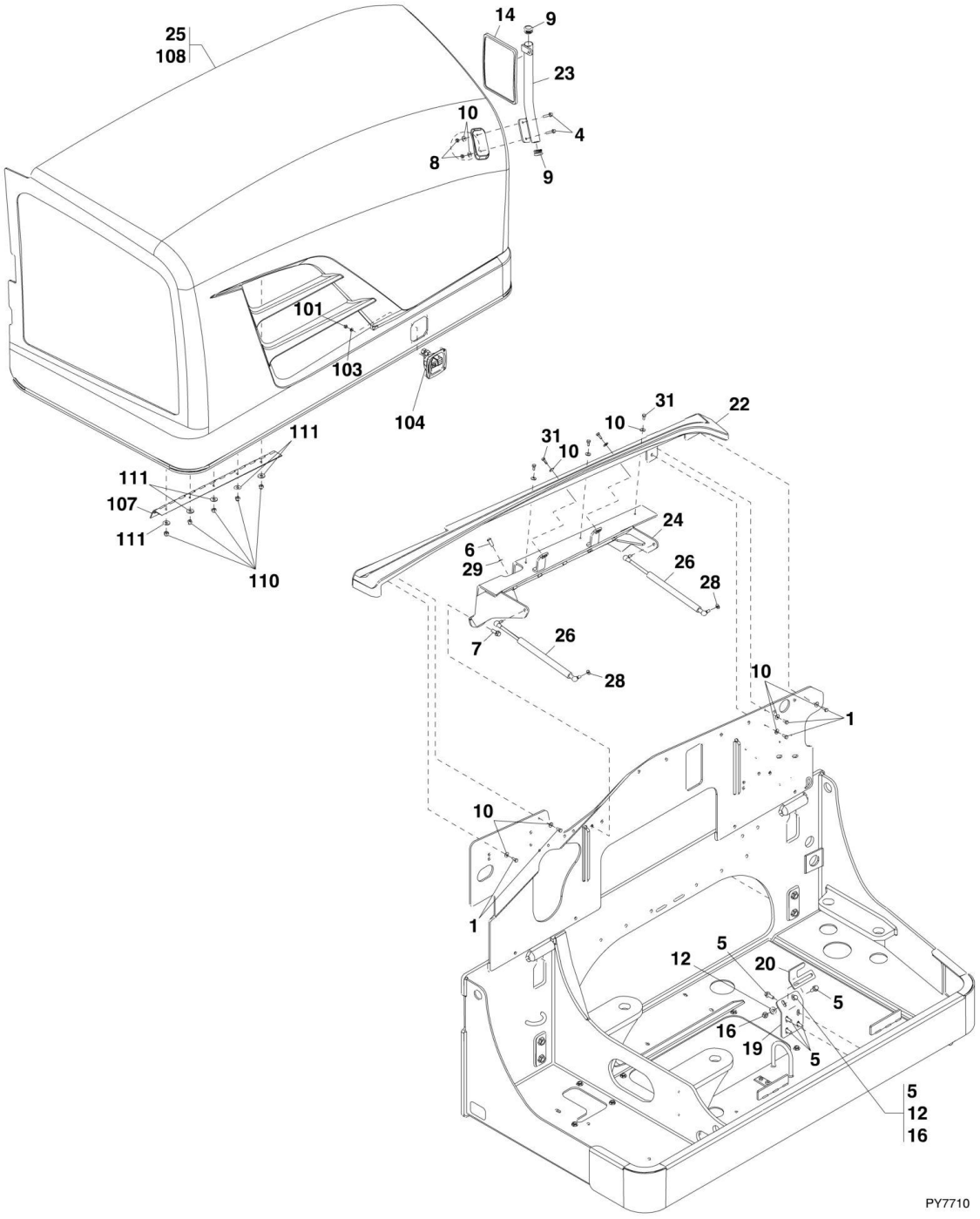
## FIGURE 1-2. COVERS (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001133442 | Ref | HOOD INSTALLATION (not available to order, see items 1 thru 27 for service) | C |
| 1 | 0641406 | 10 | HEX HD CAPSCREW, 1/4-20X3/4 | |
| 2 | 0641610 | 10 | HEX HD CAPSCREW, 3/8-16X1-1/4 | |
| 3 | 0641624 | 3 | HEX HD CAPSCREW, 3/8-16X3 | |
| 4 | 0791410 | 2 | SCREW, 1/4-20X1-1/4 | |
| 5 | 0791608 | 6 | SCREW, 3/8-16X1 | |
| 6 | 3900316 | 5 | BUTTON HD SCREW, 3/8-16X1 | |
| 7 | 0811608 | 6 | SCREW, 3/8-16X1 | |
| 8 | 3311405 | 2 | HEX LOCKNUT, 1/4-20, GR2 | |
| 9 | 3520176 | 2 | PLUG, 1-1/4 | |
| 10 | 4751400 | 12 | WASHER, 1/4 | |
| 11 | 4751600 | 15 | WASHER, 3/8 | |
| 12 | 4761600 | 13 | LOCKWASHER, 3/8 | |
| 13 | 8866348 | 1 | MIRROR ASSY | |
| 14 | 88501006 | 2 | HEX NUT, 3/8-16 | |
| 15 | 88662523 | 10 | TINNERMAN NUT | |
| 16 | 1001121332 | 1 | LATCH MOUNT BRACKET | |
| 17 | 1001121337 | 1 | LATCH CATCH BRACKET | |
| 18 | 1001128847 | 1 | FRONT COVER | |
| 19 | 1001129637 | 1 | HINGE COVER | |
| 20 | 1001129639 | 1 | MIRROR BRACKET | |
| 21 | 1001144114 | 1 | HINGE MOUNT SUPPORT | |
| 22 | 1001131147 | 1 | ENGINE COVER ASSY, (includes items 101 thru 111) | F |
| 23 | 1001131247 | 2 | GAS SPRING | |
| 24 | 1001132508 | 1 | VALVE COVER PANEL | |
| 25 | 91473085 | 1 | MAIN VALVE COVER | |
| 26 | 4711500 | 2 | WASHER, 5/16 | |
| 27 | 4711600 | 5 | WASHER, 3/8 | |
| 101 | 3290605 | 4 | HEX LOCKNUT, M6X1 | |
| 103 | 4811700 | 4 | WASHER, 6mm | |
| 104 | 1001122219 | 1 | COMPRESSION LATCH | |
| 104 | 91404275 | 1 | ENGINE COVER KEY | |
| 107 | 1001129358 | 1 | ENGINE COVER HINGE | |
| 108 | 1001129638 | 1 | ENGINE COVER | |
| 110 | 3300492 | 5 | NYLON INSERT LOCKNUT | |
| 111 | 4751600 | 5 | WASHER, 3/8 | |

## FIGURE 1-3. COVERS (G10-43A,G9-43A)



G9-43A & G10-43A

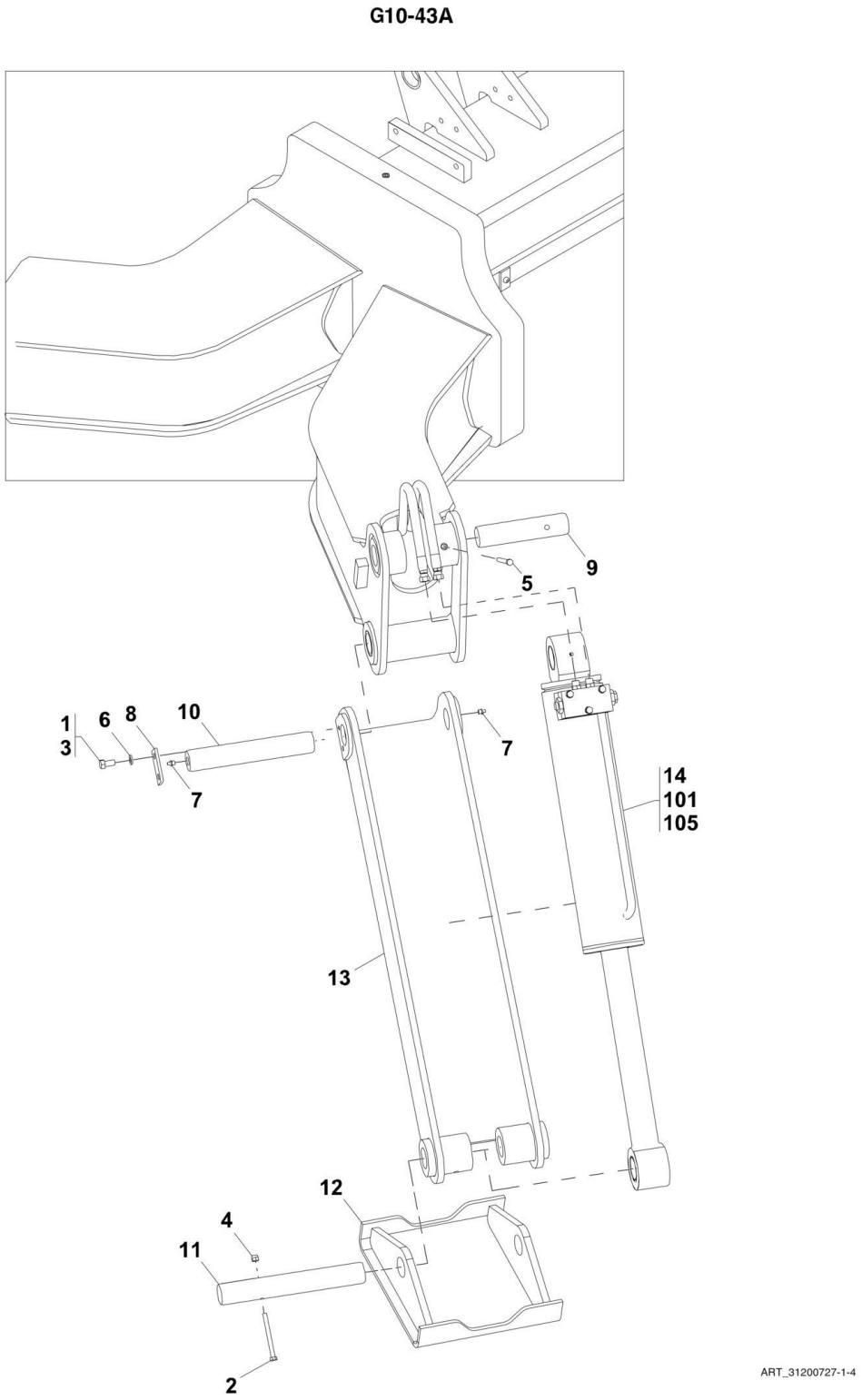


# SECTION 1 - FRAME AND ATTACHING PARTS

## FIGURE 1-3. COVERS (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131775 | Ref | HOOD INSTALLATION (not available to order, see items 1 thru 31 for service) (G9-43A) | D |
| | 1001132536 | Ref | HOOD INSTALLATION (not available to order, see items 1 thru 31 for service) (G10-43A) | G |
| 1 | 0641405 | 5 | HEX HD CAPSCREW, 1/4-20X5/8 | |
| 2 | 0641508 | 3 | HEX HD CAPSCREW, 5/16-18X1 | |
| 3 | 0641610 | 9 | HEX HD CAPSCREW, 3/8-16X1-1/4 | |
| 4 | 0791410 | 2 | SCREW, 1/4-20X1-1/4 | |
| 5 | 0791608 | 6 | SCREW, 3/8-16X1 | |
| 6 | 0811606 | 5 | BUTTON HD SCREW, 3/8-16X3/4 (G9-43A) | |
| 6 | 3900316 | 5 | BUTTON HD SCREW, 3/8-16X1 (G10-43A) | |
| 7 | 0811608 | 6 | SCREW, 3/8-16X1 | |
| 8 | 3311405 | 2 | HEX LOCKNUT, 1/4-20, GR2 | |
| 9 | 3520176 | 2 | PLUG, 1-1/4 | |
| 10 | 4751400 | 12 | WASHER, 1/4 | |
| 11 | 4751500 | 3 | WASHER, 5/16 | |
| 12 | 4751600 | 11 | WASHER, 3/8 | |
| 13 | 4761600 | 9 | LOCKWASHER, 3/8 | |
| 14 | 8866348 | 1 | MIRROR ASSY | |
| 15 | 88501005 | 3 | HEX NUT, 5/16-18 | |
| 16 | 88501006 | 2 | HEX NUT, 3/8-16 | |
| 17 | 88662523 | 9 | TINNERMAN NUT | |
| 18 | 1001132441 | 1 | VALVE COVER PANEL | |
| 19 | 1001121332 | 1 | LATCH MOUNT BRACKET | |
| 20 | 1001121337 | 1 | LATCH CATCH BRACKET | |
| 21 | 1001128847 | 1 | FRONT COVER (G9-43A) | |
| 21 | 1001128846 | 1 | FRONT COVER (G10-43A) | |
| 22 | 1001129637 | 1 | HINGE COVER | |
| 23 | 1001129639 | 1 | MIRROR BRACKET | |
| 24 | 1001144114 | 1 | HINGE MOUNT SUPPORT | |
| 25 | 1001131147 | 1 | ENGINE COVER ASSY, (includes items 101 thru 111) | F |
| 26 | 1001131247 | 2 | GAS SPRING | |
| 27 | 91513122 | 1 | MAIN VALVE COVER | |
| 28 | 4711500 | 2 | WASHER, 5/16 | |
| 29 | 4711600 | 5 | WASHER, 3/8 (G10-43A) | |
| 30 | 90206198 | 5 in | TRIM-LOK | |
| 31 | 0641406 | 5 | HEX HD CAPSCREW, 1/4-20X3/4 | |
| 101 | 3290605 | 4 | HEX LOCKNUT, M6X1 | |
| 103 | 4811700 | 4 | WASHER, 6mm | |
| 104 | 1001122219 | 1 | COMPRESSION LATCH | |
| 104 | 91404275 | 1 | ENGINE COVER KEY | |
| 107 | 1001129358 | 1 | ENGINE COVER HINGE | |
| 108 | 1001129638 | 1 | ENGINE COVER | |
| 110 | 3300492 | 5 | NYLON INSERT LOCKNUT | |
| 111 | 4751600 | 5 | WASHER, 3/8 | |

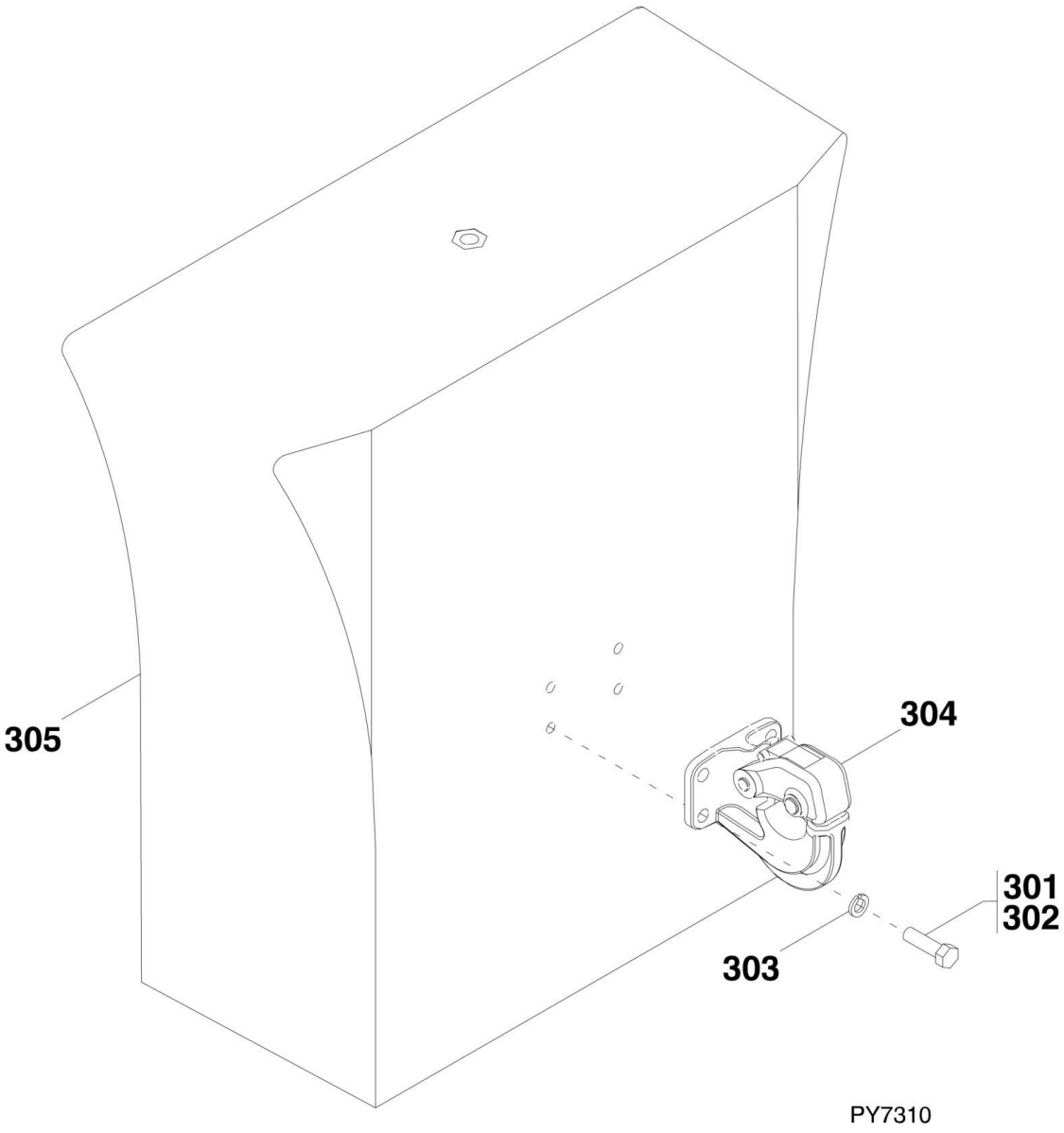
## FIGURE 1-4. OUTRIGGER INSTALLATION (G10-43A)



## FIGURE 1-4. OUTRIGGER INSTALLATION (G10-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001148233 | Ref | OUTRIGGER INSTALLATION (not available to order, see items 1 thru 15 for service) | B |
| 1 | 0100011 | AR | LOCTITE 242 | |
| 2 | 0641634 | 2 | HEX HD CAPSCREW, 3/8-16X4-1/4, GR5 | |
| 3 | 0641808 | 4 | HEX HD CAPSCREW, 1/2-13X1, GR5 | |
| 4 | 3300143 | 4 | HEX LOCKNUT, 3/8-16 | |
| 5 | 3931672 | 2 | SOCKET HD CAPSCREW, 3/8-16X4-1/2, GR8 | |
| 6 | 4761800 | 4 | LOCKWASHER, 1/2 | |
| 7 | 88671001 | 4 | LUBE FITTING, STRAIGHT, 1/8 | |
| 8 | 91081313 | 2 | KEEPER | |
| 9 | 91563197 | 2 | OUTRIGGER CYLINDER PIN | |
| 10 | 91563198 | 2 | ARM PIN | |
| 11 | 91563199 | 2 | SHOE PIN | |
| 12 | 1001141892 | 2 | PAD WELD STABILIZER | |
| 13 | 1001142258 | 2 | OUTRIGGER ARM WELDMENT | |
| 14 | 1001001211 | 2 | OUTRIGGER CYLINDER ASSY, (includes items 101 & 105) | B |
| 15 | | Ref | HOSE ASSY, (not shown), (See HYDRAULIC CIRCUITS SECTION for Breakdown) | |
| 101 | | Ref | OUTRIGGER CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 105 | | Ref | STRAIGHT FITTING, (See HYDRAULIC CIRCUITS SECTION for Breakdown) | |

**FIGURE 1-5. PINTLE HOOK**

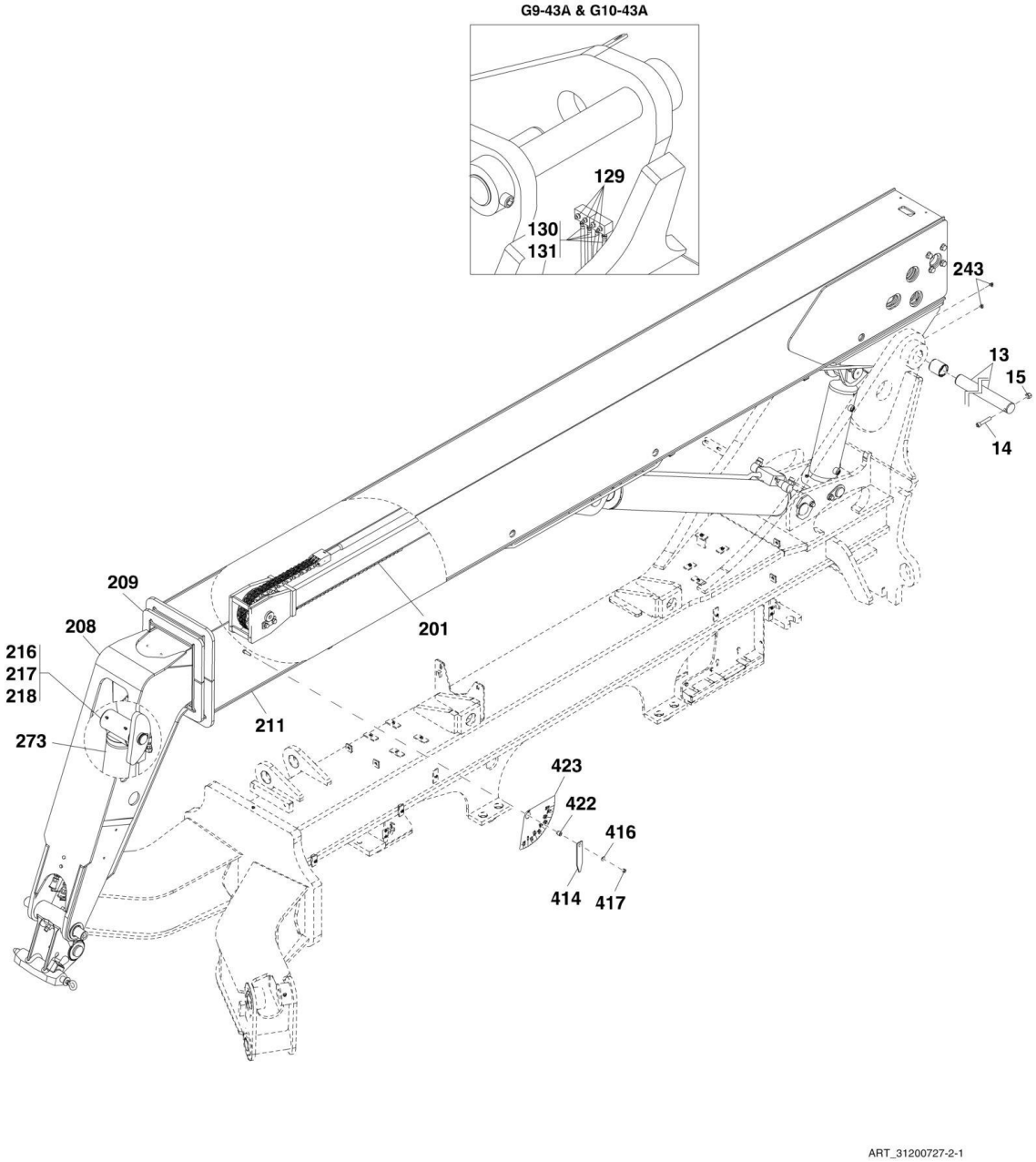


## FIGURE 1-5. PINTLE HOOK

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 301 | 0100011 | AR | LOCTITE 242 | |
| 302 | 0681814 | 4 | HEX HD CAPSCREW, 1/2-13X1-3/4, GR8, (torque to 105 lb-ft/145 Nm) | |
| 303 | 88551013 | 4 | LOCKWASHER, 1/2 | |
| 304 | 90200602CP | 1 | PINTLE HOOK | |
| 305 | | Ref | COUNTERWEIGHT, (See FRAME AND ATTACHING PARTS for Breakdown) | |

# SECTION 2 - BOOM

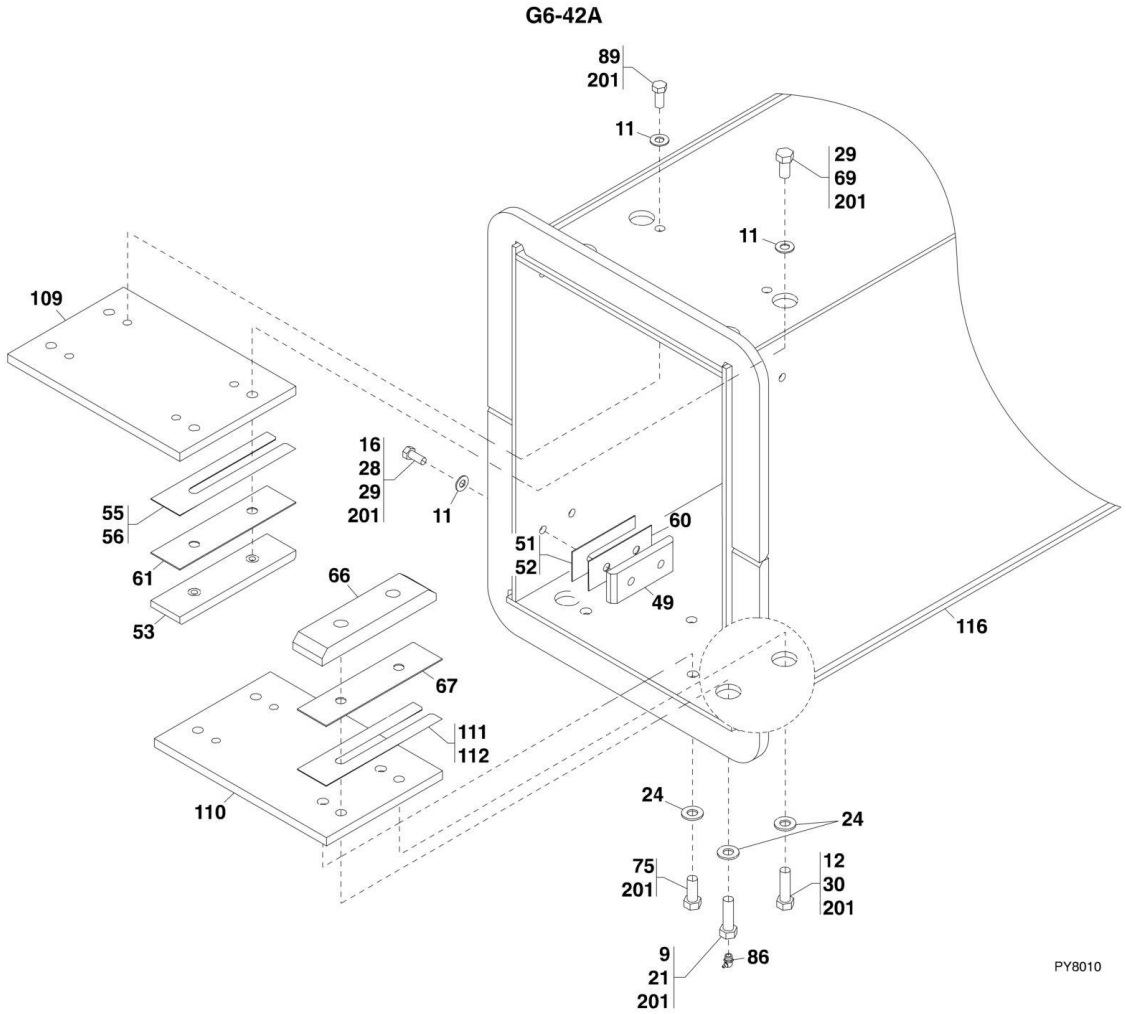
## FIGURE 2-1. BOOM INSTALLATION



## FIGURE 2-1. BOOM INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001120418 | Ref | BOOM INSTALLATION (not available to order, see items 13 thru 15 for service) (G6-42A) | G |
| | 1001103137 | Ref | BOOM INSTALLATION (not available to order, see items 13 thru 15 & 129 thru 131 for service) (G10-43A,G9-43A) | K |
| 13 | 91403025 | 1 | PIN (G6-42A) | |
| 13 | 91513047 | 1 | PIN (G10-43A,G9-43A) | |
| 14 | 0682048 | 1 | HEX HD CAPSCREW, 5/8-11X6, GR8 (G6-42A) | |
| 14 | 88212288 | 1 | SOCKET HD CAPSCREW, 3/4-10X6-1/2 (G10-43A,G9-43A) | |
| 15 | 88521010 | 1 | HEX LOCKNUT, 5/8-11 (G6-42A) | |
| 15 | 88521012 | 1 | HEX LOCKNUT, 750-10 GR8 (G10-43A,G9-43A) | |
| 129 | 2160002 | 4 | GREASE FITTING (G10-43A,G9-43A) | |
| 130 | 88661002 | 4 | STRAIGHT FITTING (G10-43A,G9-43A) | |
| 131 | 84719940 | 4 | HOSE ASSY (G10-43A,G9-43A) | |
| | 1001099575 | 1 | BOOM ASSEMBLY (includes items 201 thru 273) (G6-42A) | L |
| | 1001137538 | 1 | BOOM ASSEMBLY (includes items 201 thru 273) (G10-43A,G9-43A) | F |
| 201 | | Ref | PUSH BEAM/EXTEND CHAIN, (See PUSH BEAM/EXTEND CHAIN for Breakdown) | |
| 202 | | Ref | RETRACT CHAIN COMPONENTS, (not shown), (See RETRACT CHAINS for Breakdown) | |
| 208 | | Ref | THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown) | |
| 209 | | Ref | SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown) | |
| 211 | | Ref | FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown) | |
| 216 | 8307904 | AR | SHIM | |
| 217 | 8310093 | AR | SHIM | |
| 218 | 8307918 | AR | SHIM | |
| 243 | 2160001 | 2 | GREASE FITTING | |
| 273 | | Ref | TILT CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 414 | | Ref | ANGLE INDICATOR DECAL, (See DECALS SECTION for Breakdown) | |
| 416 | 4711600 | 1 | WASHER, 3/8 | |
| 417 | 8305645 | 1 | HEX LOCKNUT, 3/8 | |
| 422 | 1001096404 | 1 | SPACER | |
| 423 | 1001098769 | 1 | ANGLE INDICATOR | |

## FIGURE 2-2. FIRST BOOM SECTION (G6-42A)

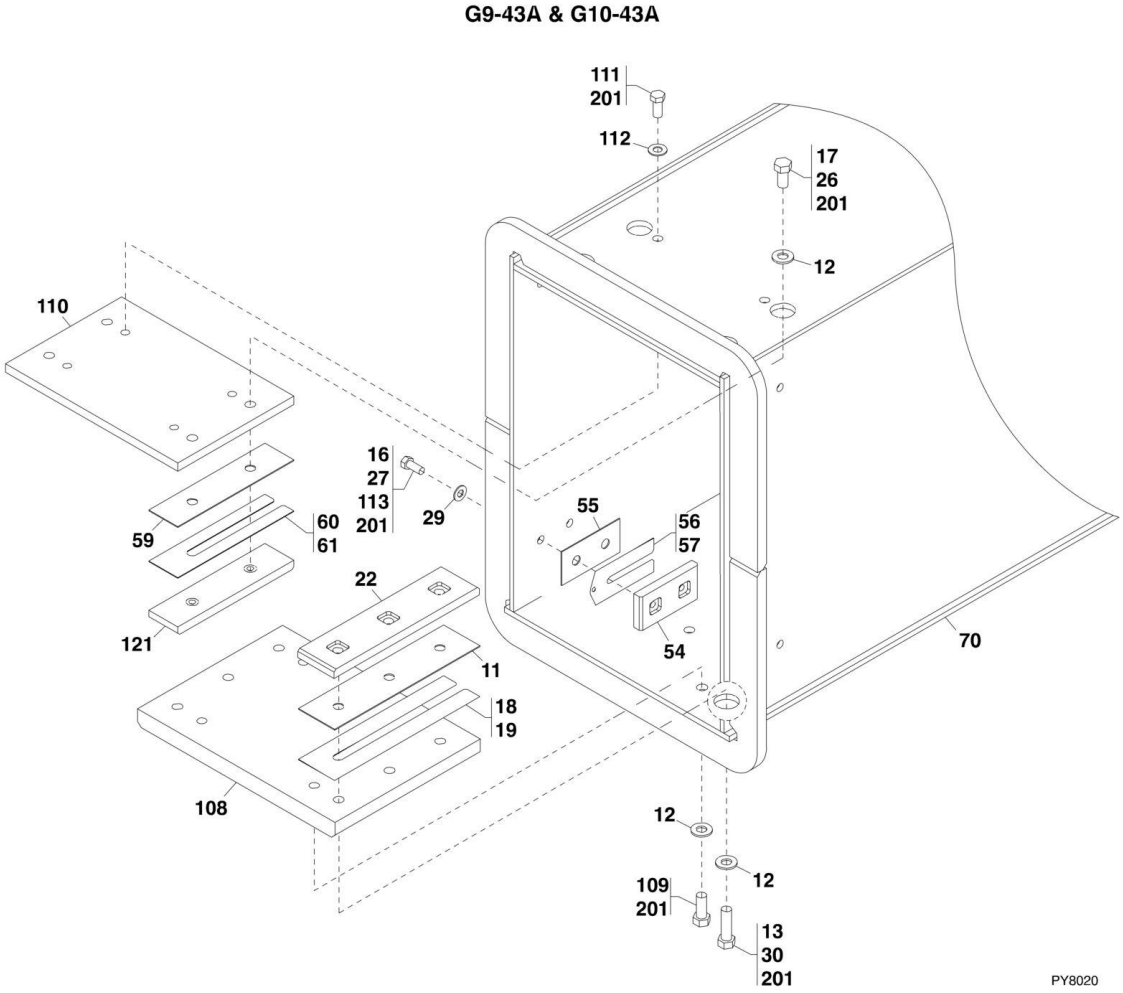



**Note:** **Wear Pad Shimming:**
**Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.**
**The wear pad or wear pad insert must not sit directly on the slotted surface of shims.**
**Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.**
**Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.**
**Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.**

## FIGURE 2-2. FIRST BOOM SECTION (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 9 | 91161222 | AR | HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/2, (torque to 45-50 lb-ft/61-68 Nm) | |
| 11 | 90027470 | 16 | WASHER, 3/8 | |
| 12 | 0651812 | AR | HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 16 | 0651607 | AR | HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 21 | 88991005 | AR | HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/4, (torque to 45-50 lb-ft/61-68 Nm) | |
| 24 | 90027471 | 6 | WASHER, 1/2 | |
| 28 | 0651606 | AR | HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 29 | 0651608 | AR | HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 30 | 0651810 | AR | HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 49 | 91403530 | 4 | WEAR PAD | |
| 51 | 91471227 | AR | SHIM, 0.0359 | |
| 52 | 91471226 | AR | SHIM, 0.0598 | |
| 53 | 91403532 | 2 | WEAR PAD | |
| 55 | 91401215 | AR | SHIM, 0.0598 | |
| 56 | 91401216 | AR | SHIM, 0.0359 | |
| 60 | 91401223 | 4 | SPACER | |
| 61 | 91401224 | 2 | SPACER | |
| 66 | 1001117654 | 2 | WEAR PAD | |
| 67 | 91401450 | 2 | SPACER | |
| 69 | 0651610 | AR | HEX HD CAPSCREW, 3/8-24X1-1/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 75 | 0641808 | 4 | HEX HD CAPSCREW, 1/2-13X1, GR5, (torque to 85 lb-ft/116 Nm) | |
| 86 | 88671008 | 2 | GREASE FITTING | |
| 89 | 0641607 | 4 | HEX HD CAPSCREW, 3/8-16X7/8, GR5 | |
| 109 | 91401472 | 1 | SUPPORT PLATE | |
| 110 | 91401469 | 1 | SUPPORT PLATE | |
| 111 | 91401457 | AR | SHIM, 0.0359 | |
| 112 | 91401456 | AR | SHIM, 0.0598 | |
| 116 | 91476041 | 1 | WELDMENT | |
| 201 | 0100011 | AR | LOCTITE 242 | |

## FIGURE 2-3. FIRST BOOM SECTION (G10-43A,G9-43A)

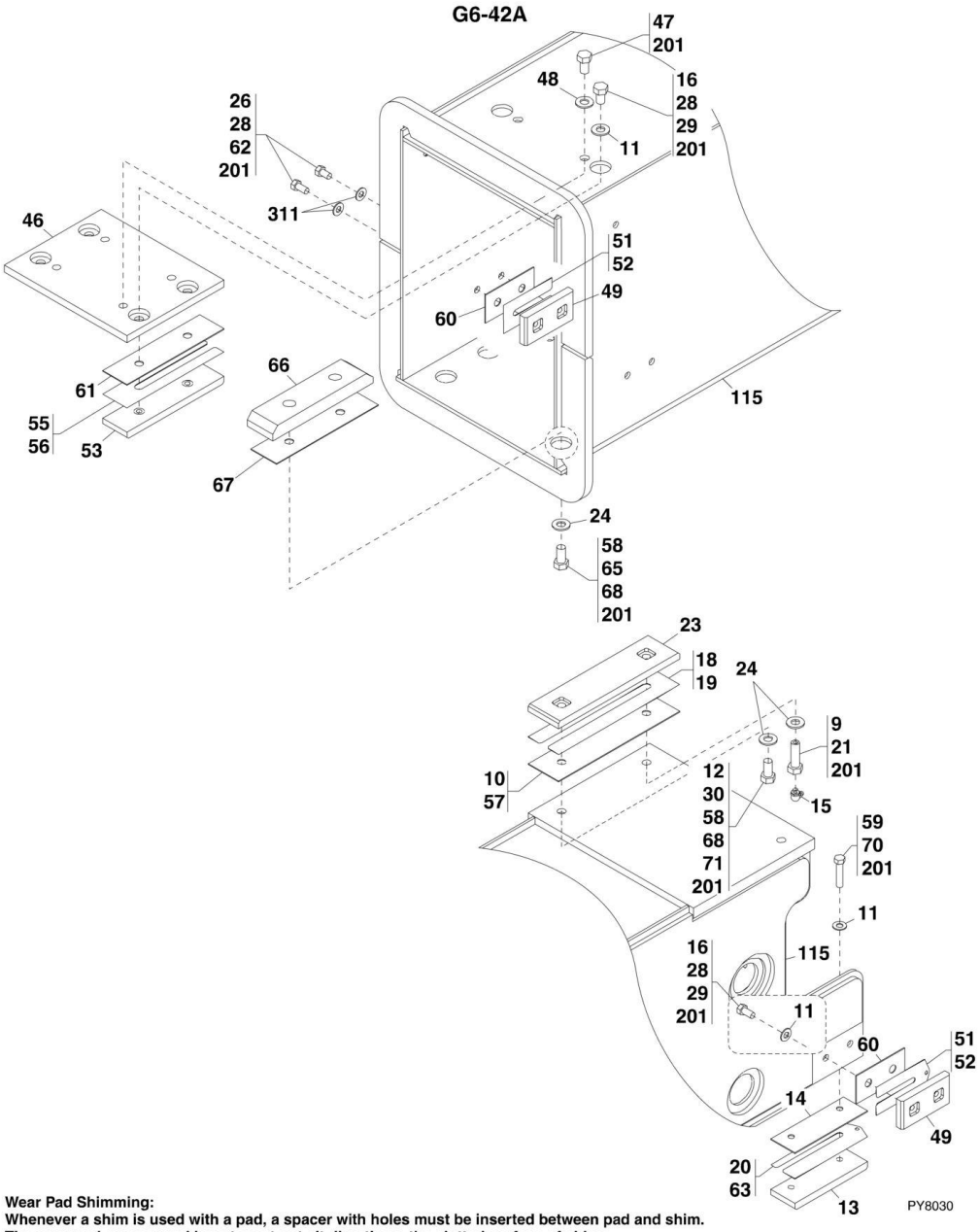



**Note:** **Wear Pad Shimming:**
**Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.**
**The wear pad or wear pad insert must not sit directly on the slotted surface of shims.**
**Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.**
**Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.**
**Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.**

## FIGURE 2-3. FIRST BOOM SECTION (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 11 | 91511100 | 2 | SPACER | |
| 12 | 90027471 | 14 | WASHER, 1/2 | |
| 13 | 0651812 | AR | HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 16 | 0651607 | AR | HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 17 | 0651808 | AR | HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 18 | 91511101 | AR | SHIM, 0.0598 | |
| 19 | 91511102 | AR | SHIM, 0.0359 | |
| 22 | 1001117656 | 2 | WEAR PAD | |
| 26 | 0651810 | AR | HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 27 | 0651606 | AR | HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 29 | 90027470 | 8 | WASHER, 3/8 | |
| 30 | 0651814 | AR | HEX HD CAPSCREW, 1/2-20X1-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 54 | 91403530 | 4 | WEAR PAD | |
| 55 | 91401223 | 4 | SPACER | |
| 56 | 91471226 | AR | SHIM, 0.0598 | |
| 57 | 91471227 | AR | SHIM, 0.0359 | |
| 59 | 91401450 | 2 | SPACER | |
| 60 | 91401456 | AR | SHIM, 0.0598 | |
| 61 | 91401457 | AR | SHIM, 0.0359 | |
| 70 | 91516009 | 1 | WELDMENT | |
| 108 | 91511039 | 1 | SUPPORT PLATE | |
| 109 | 0641810 | 4 | HEX HD CAPSCREW, 1/2-12X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 110 | 91511038 | 1 | SUPPORT PLATE | |
| 111 | 0641708 | 4 | HEX HD CAPSCREW, 7/16-14X1 | |
| 112 | 4711700 | 4 | WASHER, 7/16 | |
| 113 | 0651608 | AR | HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 121 | 1001117654 | 2 | WEAR PAD | |
| 201 | 0100011 | AR | LOCTITE 242 | |

## FIGURE 2-4. SECOND BOOM SECTION (G6-42A)




**Note:** **Wear Pad Shimming:**
**Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.**
**The wear pad or wear pad insert must not sit directly on the slotted surface of shims.**
**Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.**
**Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.**
**Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.**

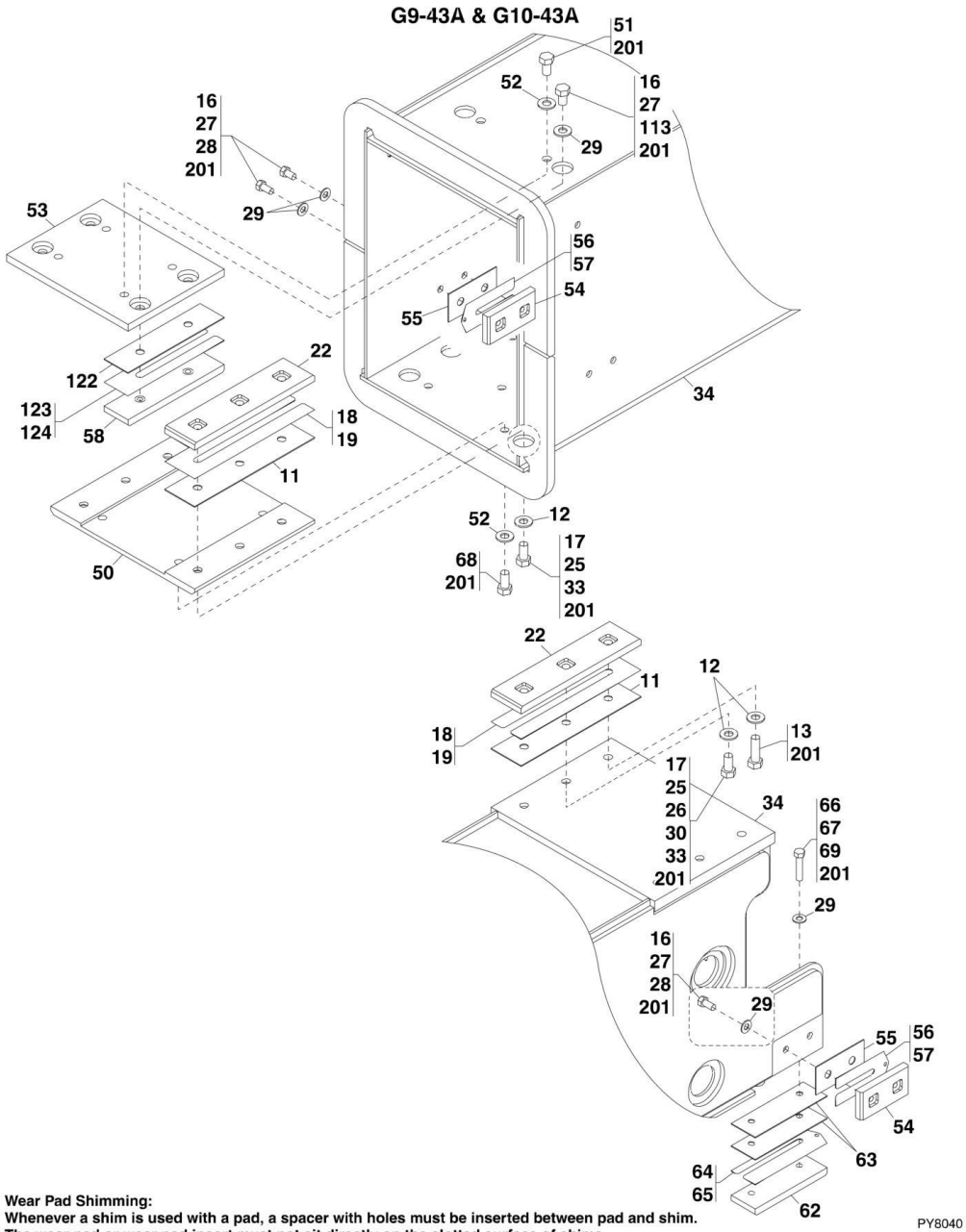
## FIGURE 2-4. SECOND BOOM SECTION (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 9 | 91161222 | AR | HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/2, (torque to 45-50 lb-ft/61-68 Nm) | |
| 10 | 91401451 | 2 | SPACER | |
| 11 | 90027470 | 16 | WASHER, 3/8 | |
| 12 | 0651812 | AR | HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 13 | 91403531 | 2 | WEAR PAD | |
| 14 | 91401225 | 2 | SPACER | |
| 15 | 88671027 | 2 | GREASE FITTING | |
| 16 | 0651607 | AR | HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 18 | 91401453 | AR | SHIM, 0.0598 | |
| 19 | 91401454 | AR | SHIM, 0.0359 | |
| 20 | 91471228 | AR | SHIM, 0.0598 | |
| 21 | 88991005 | AR | HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/4, (torque to 45-50 lb-ft/61-68 Nm) | |
| 23 | 1001117655 | 2 | WEAR PAD | |
| 24 | 90027471 | 4 | WASHER, 1/2 | |
| 26 | 0651605 | AR | HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 28 | 0651606 | AR | HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 29 | 0651608 | AR | HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 30 | 0651810 | AR | HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 46 | 91401197 | 1 | SUPPORT PLATE | |
| 47 | 0641807 | AR | HEX HD CAPSCREW, 1/2-13X7/8, GR5 | |
| 48 | 4711800 | 4 | WASHER, 1/2 | |
| 49 | 91403530 | 6 | WEAR PAD | |
| 51 | 91471227 | AR | SHIM, 0.0359 | |
| 52 | 91471226 | AR | SHIM, 0.0598 | |
| 53 | 91403532 | 2 | WEAR PAD | |
| 55 | 91401215 | AR | SHIM, 0.0598 | |
| 56 | 91401216 | AR | SHIM, 0.0359 | |
| 57 | 91401191 | 2 | SPACER | |
| 58 | 0651806 | AR | HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 59 | 0651614 | AR | HEX HD CAPSCREW, 3/8-24X1-3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 60 | 91401223 | 6 | SPACER | |
| 61 | 91401224 | 2 | SPACER | |
| 62 | 88201530 | AR | HEX HD CAPSCREW, 3/8-24X1/2, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 63 | 91471229 | AR | SHIM, 0.0359 | |
| 65 | 0651805 | AR | HEX HD CAPSCREW, 1/2-20X5/8, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 66 | 1001117654 | 2 | WEAR PAD | |
| 67 | 91401450 | 2 | SPACER | |
| 68 | 0651807 | AR | HEX HD CAPSCREW, 1/2-20X7/8, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 70 | 0651616 | AR | HEX HD CAPSCREW, 3/8-24X2, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |

# SECTION 2 - BOOM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 71 | 0651808 | AR | HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 115 | 91476042B | 1 | WELDMENT | |
| 201 | 0100011 | AR | LOCTITE 242 | |

## FIGURE 2-5. SECOND BOOM SECTION (G10-43A,G9-43A)

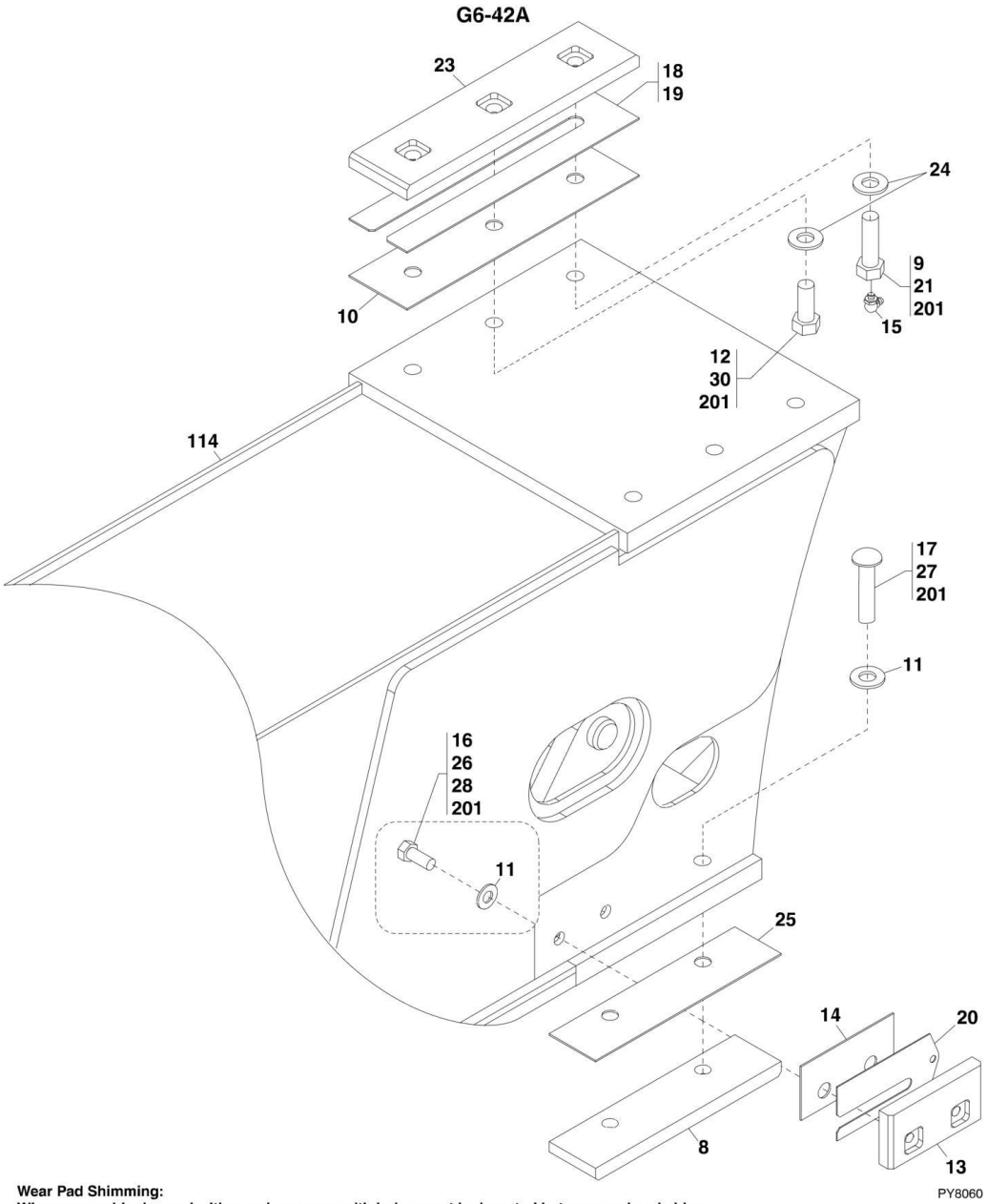



**Note: Wear Pad Shimming:**
**Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.**
**The wear pad or wear pad insert must not sit directly on the slotted surface of shims.**
**Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.**
**Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.**
**Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.**

## FIGURE 2-5. SECOND BOOM SECTION (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 11 | 91511100 | 4 | SPACER | |
| 12 | 90027471 | 8 | WASHER, 1/2 | |
| 13 | 0651812 | 2 | HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 16 | 0651607 | AR | HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 17 | 0651808 | AR | HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 18 | 91511101 | AR | SHIM, 0.0598 | |
| 19 | 91511102 | AR | SHIM, 0.0359 | |
| 22 | 1001117656 | 2 | WEAR PAD | |
| 25 | 0651807 | AR | HEX HD CAPSCREW, 1/2-20X7/8, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 26 | 0651810 | AR | HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 27 | 0651606 | AR | HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 28 | 0651605 | AR | HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 29 | 90027470 | 16 | WASHER, 3/8 | |
| 30 | 0651814 | AR | HEX HD CAPSCREW, 1/2-20X1-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 33 | 0651806 | AR | HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 34 | 1001102967B | 1 | WELDMENT | |
| 50 | 91511008 | 1 | SUPPORT PLATE | |
| 51 | 0641807 | 4 | HEX HD CAPSCREW, 1/2-13X7/8, GR5 | |
| 52 | 4711800 | 4 | WASHER, 1/2 | |
| 53 | 1001102973 | 1 | SUPPORT PLATE | |
| 54 | 91403530 | 6 | WEAR PAD | |
| 55 | 91401223 | 6 | SPACER | |
| 56 | 91471226 | AR | SHIM, 0.0598 | |
| 57 | 91471227 | AR | SHIM, 0.0359 | |
| 58 | 91403532 | 6 | WEAR PAD | |
| 62 | 91513074 | 2 | WEAR PAD | |
| 63 | 91511094 | 4 | SPACER | |
| 64 | 91361049 | AR | SHIM, 0.0598 | |
| 65 | 91511096 | AR | SHIM, 0.0359 | |
| 66 | 0651614 | AR | HEX HD CAPSCREW, 3/8-24X1-3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 67 | 0651612 | AR | HEX HD CAPSCREW, 3/8-24X1-1/2, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 68 | 0641806 | 4 | HEX HD CAPSCREW, 1/2-12X3/4, GR5 | |
| 69 | 0651616 | AR | HEX HD CAPSCREW, 3/8-24X2, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 113 | 0651608 | AR | HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 122 | 91401224 | 2 | SPACER | |
| 123 | 91401215 | AR | SHIM, 0.0598 | |
| 124 | 91401216 | AR | SHIM, 0.0359 | |
| 201 | 0100011 | AR | LOCTITE 242 | |

## FIGURE 2-6. THIRD BOOM SECTION (G6-42A)

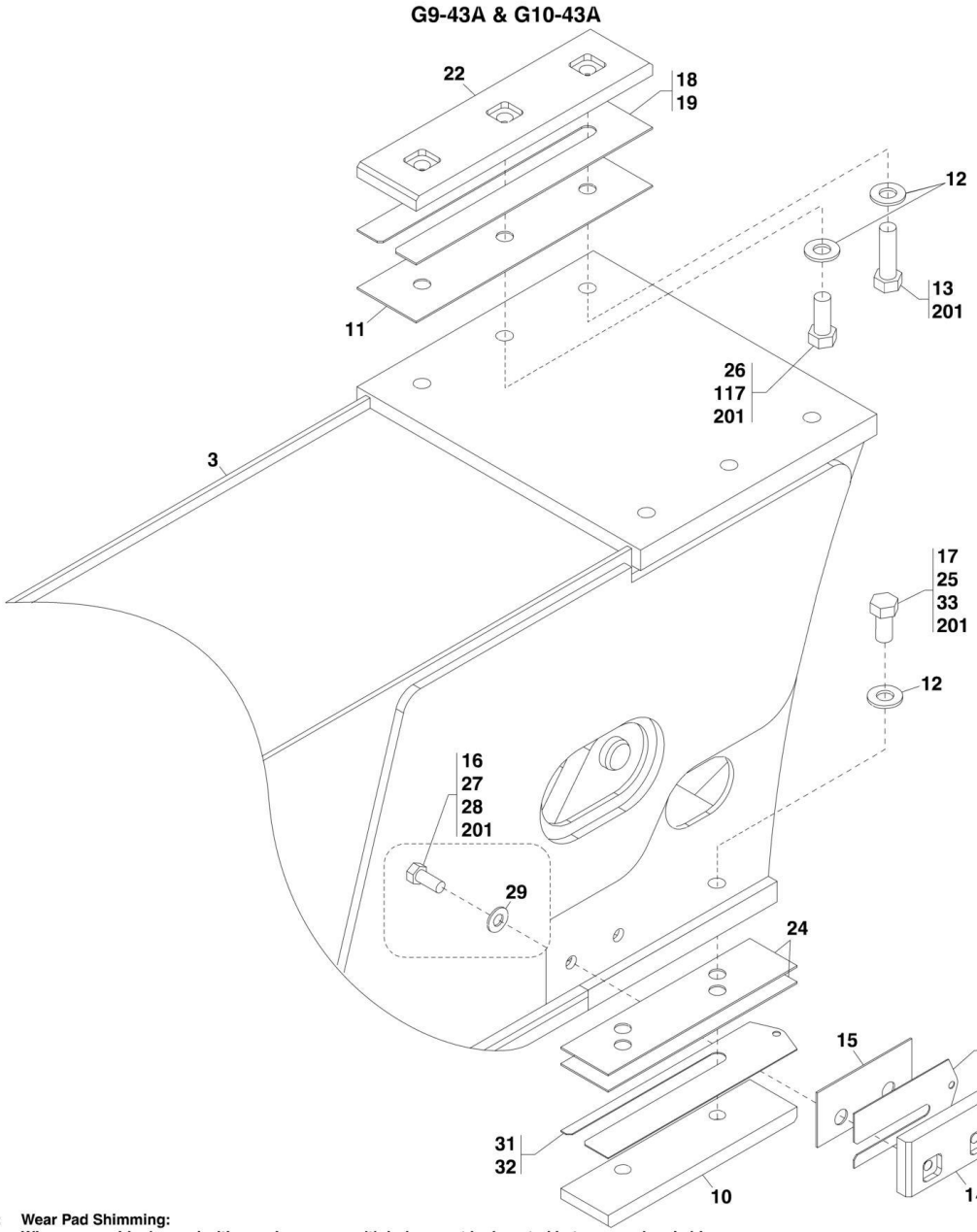



**Note:** **Wear Pad Shimming:**
**Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.**
**The wear pad or wear pad insert must not sit directly on the slotted surface of shims.**
**Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.**
**Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.**
**Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.**

## FIGURE 2-6. THIRD BOOM SECTION (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 8 | 91403533 | 2 | WEAR PAD | |
| 9 | 91161222 | AR | HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/2, (torque to 45-50 lb-ft/61-68 Nm) | |
| 10 | 91401451 | 2 | SPACER | |
| 11 | 90027470 | 8 | WASHER, 3/8 | |
| 12 | 0651812 | AR | HEX HD CAPSCREW, 1/2-20X1-1/2, GR5 | |
| 13 | 91403531 | 2 | WEAR PAD | |
| 14 | 91401225 | 2 | SPACER | |
| 15 | 88671027 | 2 | GREASE FITTING | |
| 16 | 0651607 | AR | HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 17 | 88261128 | AR | BUTTON HD CAPSCREW, 3/8-24X1, (torque to 32-37 lb-ft/43-50 Nm) | |
| 18 | 91401453 | AR | SHIM, 0.0598 | |
| 19 | 91401454 | AR | SHIM, 0.0359 | |
| 20 | 91471228 | AR | SHIM, 0.0598 | |
| 21 | 88991005 | AR | HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/4, (torque to 45-50 lb-ft/61-68 Nm) | |
| 23 | 1001117655 | 2 | WEAR PAD | |
| 24 | 90027471 | 6 | WASHER, 1/2 | |
| 25 | 91401226 | 2 | SPACER | |
| 26 | 0651605 | AR | HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 27 | 88261129 | AR | BUTTON HD CAPSCREW, 3/8-24X1-1/4 | |
| 28 | 0651606 | AR | HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 30 | 0651810 | AR | HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 114 | 1001102575B | 1 | WELDMENT | |
| 201 | 0100011 | AR | LOCTITE 242 | |

## FIGURE 2-7. THIRD BOOM SECTION (G10-43A,G9-43A)

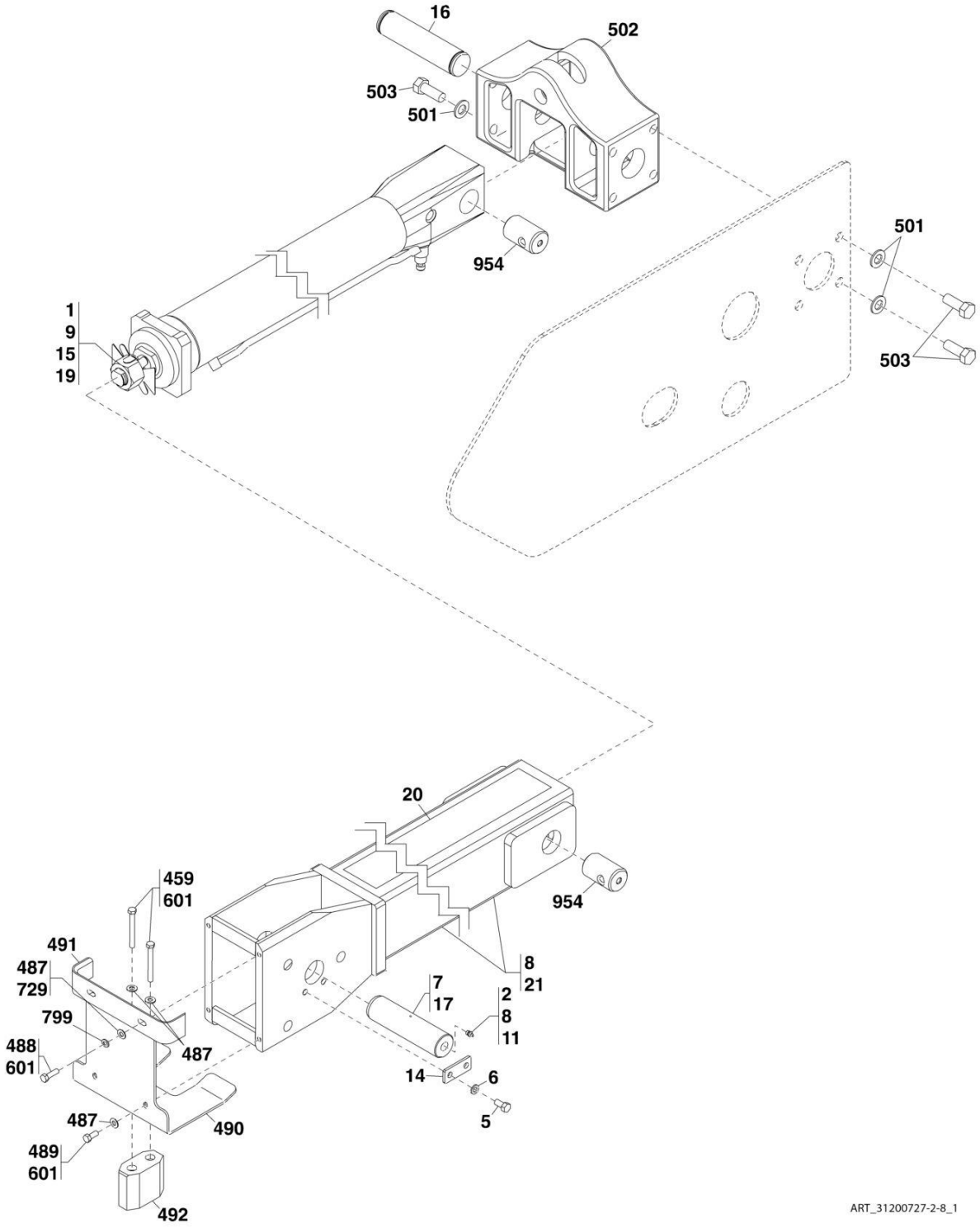


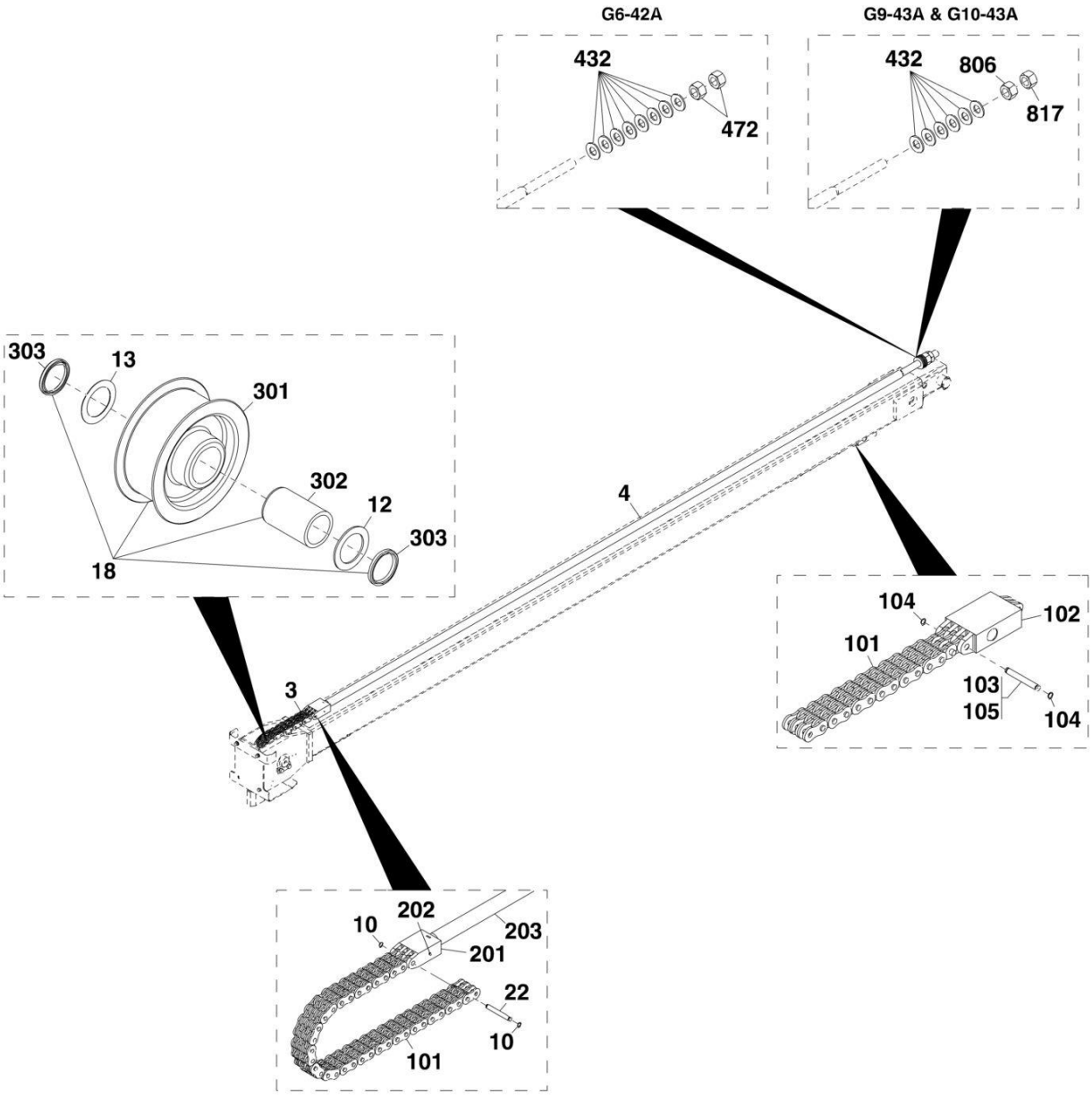

**Note:** **Wear Pad Shimming:**
**Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.**
**The wear pad or wear pad insert must not sit directly on the slotted surface of shims.**
**Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.**
**Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.**
**Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.**

## FIGURE 2-7. THIRD BOOM SECTION (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 3 | 1001102958B | 1 | WELDMENT | |
| 10 | 1001117658 | 2 | WEAR PAD | |
| 11 | 91511100 | 2 | SPACER | |
| 12 | 90027471 | 6 | WASHER, 1/2 | |
| 13 | 0651812 | AR | HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 14 | 91403531 | 2 | WEAR PAD | |
| 15 | 91401225 | 2 | SPACER | |
| 16 | 0651607 | AR | HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 17 | 0651808 | AR | HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 18 | 91511101 | AR | SHIM, 0.0598 | |
| 19 | 91511102 | AR | SHIM, 0.0359 | |
| 20 | 91471229 | AR | SHIM, 0.0359 | |
| 22 | 1001117656 | 2 | WEAR PAD | |
| 23 | 91471228 | AR | SHIM, 0.0598 | |
| 24 | 91511097 | 2 | SPACER | |
| 25 | 0651807 | AR | HEX HD CAPSCREW, 1/2-20X7/8, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 26 | 0651810 | AR | HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 27 | 0651606 | AR | HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 28 | 0651605 | AR | HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm) | |
| 29 | 90027470 | 4 | WASHER, 3/8 | |
| 31 | 91511098 | AR | SHIM, 0.0598 | |
| 32 | 91511099 | AR | SHIM, 0.0359 | |
| 33 | 0651806 | AR | HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 117 | 0651811 | AR | HEX HD CAPSCREW, 1/2-20X1-3/8, GR5, (torque to 76-86 lb-ft/103-117 Nm) | |
| 201 | 0100011 | AR | LOCTITE 242 | |

## FIGURE 2-8. PUSH BEAM/EXTEND CHAIN





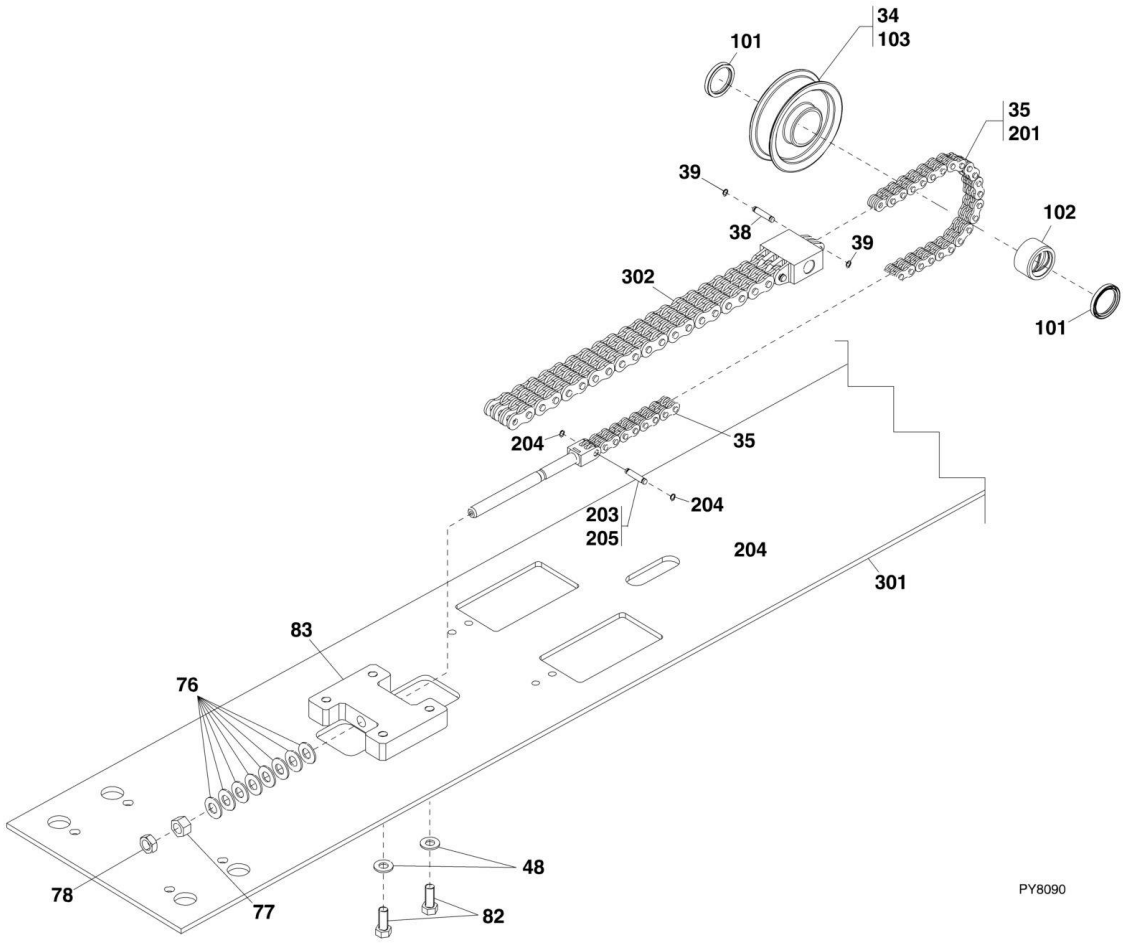

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## FIGURE 2-8. PUSH BEAM/EXTEND CHAIN

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0275798 | Ref | PUSH BEAM/EXTEND CHAIN INSTALLATION (not available to order, see items 1 thru 22 for service) (G6-42A) | D |
| | 0275799 | Ref | PUSH BEAM/EXTEND CHAIN INSTALLATION (not available to order, see items 1 thru 22 for service) (G10-43A,G9-43A) | D |
| 1 | 0100011 | AR | LOCTITE 242 | |
| 2 | 0100075 | AR | LOCTITE 545 (G6-42A) | |
| 3 | 0274674 | Ref | EXTEND CHAIN INSTALLATION (not available to order, see items 101 thru 105 for service) (G6-42A) | C |
| 3 | 0274676 | Ref | EXTEND CHAIN INSTALLATION (not available to order, see items 101 thru 105 for service) (G10-43A,G9-43A) | C |
| 4 | 0274799 | Ref | CHAIN CLEVIS INSTALLATION (not available to order, see items 201 thru 203 for service) (G6-42A) | C |
| 4 | 0274800 | Ref | CHAIN CLEVIS INSTALLATION (not available to order, see items 201 thru 203 for service) (G10-43A,G9-43A) | C |
| 5 | 0641808 | 2 | HEX HD CAPSCREW, 1/2-13X1, GR5 | |
| 6 | 4761800 | 2 | LOCKWASHER, 1/2 | |
| 7 | 14403323 | AR | LUBE | |
| 8 | 14404793 | AR | MYSTIK TETRIMOLY GREASE | |
| 9 | | Ref | HEX NUT, 3/8-12, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 10 | 88581112 | 2 | SNAP RING (G6-42A) | |
| 10 | 88581115 | 2 | SNAP RING (G10-43A,G9-43A) | |
| 11 | 88671001 | 1 | GREASE FITTING | |
| 12 | 91041451 | 1 | SHIM | |
| 13 | 91041596 | 1 | SHIM | |
| 14 | 91401189 | 1 | KEEPER PLATE | |
| 15 | | Ref | WASHER TAB, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 17 | 91403017 | 1 | PIN (G6-42A) | |
| 17 | 91513018 | 1 | PIN (G10-43A,G9-43A) | |
| 18 | 91403045 | 1 | EXTEND CHAIN ROLLER ASSY (includes items 301 thru 303) (G6-42A) | B |
| 18 | 91513016 | 1 | EXTEND CHAIN ROLLER ASSY (includes items 301 thru 303) (G10-43A,G9-43A) | B |
| 19 | | Ref | WASHER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 20 | 91513029 | 156 in | TAPE (G6-42A) | |
| 20 | 91513029 | 160 in | TAPE (G10-43A,G9-43A) | |
| 21 | 91406015 | 1 | WELDMENT (G6-42A) | |
| 21 | 91516008 | 1 | WELDMENT (G10-43A,G9-43A) | |
| 22 | 91413122 | 1 | PIN (G6-42A) | |
| 22 | 91513176 | 1 | PIN (G10-43A,G9-43A) | |
| 101 | 91403432 | 1 | CHAIN, BL866 (G6-42A) | |
| 101 | 91513028 | 1 | CHAIN, BL1066 (G10-43A,G9-43A) | |
| 102 | 1360298 | 1 | CLEVIS (G6-42A) | |
| 102 | 1360302 | 1 | CLEVIS (G10-43A,G9-43A) | |
| 103 | 91413123 | 1 | PIN (G6-42A) | |
| 103 | 91513176 | 1 | PIN (G10-43A,G9-43A) | |
| 104 | 88581112 | 2 | SNAP RING (G6-42A) | |
| 104 | 88581115 | 2 | SNAP RING (G10-43A,G9-43A) | |
| 105 | 8522012 | AR | ANTI-SEIZE LUBE | |
| 201 | 1360306 | 1 | CLEVIS (G6-42A) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 201 | 1360305 | 1 | CLEVIS (G10-43A,G9-43A) | |
| 202 | 91403044 | 1 | PIN (G6-42A) | |
| 202 | 91513006 | 1 | PIN (G10-43A,G9-43A) | |
| 203 | 91503014 | 1 | ROD (G6-42A) | |
| 203 | 91513175 | 1 | ROD (G10-43A,G9-43A) | |
| 301 | 91403042 | 1 | ROLLER (G6-42A) | |
| 301 | 91513015 | 1 | ROLLER (G10-43A,G9-43A) | |
| 302 | 91403047 | 1 | BUSHING (G6-42A) | |
| 302 | 91513017 | 1 | BUSHING (G10-43A,G9-43A) | |
| 303 | 91403119 | 2 | SEAL | |
| 432 | 91413139 | 8 | WASHER, 7/8 (G6-42A) | |
| 432 | 91513200 | 6 | WASHER (G10-43A,G9-43A) | |
| 459 | 0651614 | 2 | HEX HD CAPSCREW, 3/8-24X1-3/4, GR5 (G6-42A) | |
| 459 | 0651624 | 2 | HEX HD CAPSCREW, 3/8-24X3, GR5 (G10-43A,G9-43A) | |
| 472 | 91403493 | 2 | HEX NUT, (G6-42A) (G6-42A) | |
| 487 | 4711600 | 6 | WASHER, (G6-42A) (G6-42A) | |
| 487 | 4711600 | 4 | WASHER, (G6-42A) (G6-42A) | |
| 488 | 0681610 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/4, GR8 (G6-42A) | |
| 488 | 0641610 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/4, GR5 (G10-43A,G9-43A) | |
| 489 | 0641607 | 2 | HEX HD CAPSCREW, 3/8-16X7/8, GR5 | |
| 490 | 91401204 | 1 | BRACKET (G6-42A) | |
| 490 | 91511048 | 1 | BRACKET (G10-43A,G9-43A) | |
| 491 | 91401568 | 1 | GUIDE BAR (G6-42A) | |
| 491 | 91511047 | 1 | GUIDE BAR (G10-43A,G9-43A) | |
| 492 | 91403087 | 1 | WEAR PAD (G6-42A) | |
| 492 | 1001102974 | 1 | WEAR PAD (G10-43A,G9-43A) | |
| 501 | 4712000 | 8 | WASHER, 5/8 (G6-42A) | |
| 501 | 4712200 | 8 | WASHER, 3/4 (G10-43A,G9-43A) | |
| 502 | 91403061 | 1 | WELDMENT (G6-42A) | |
| 502 | 91513003 | 1 | WELDMENT (G10-43A,G9-43A) | |
| 503 | 0642012 | 8 | HEX HD CAPSCREW, 5/8-11X1-1/2, GR5 (G6-42A) | |
| 503 | 0642216 | 8 | HEX HD CAPSCREW, 3/4-10X2, GR5 (G10-43A,G9-43A) | |
| 601 | 0100011 | AR | LOCTITE 242 | |
| 729 | 90027470 | 2 | WASHER, 3/8 (G10-43A,G9-43A) | |
| 799 | 4761600 | 2 | LOCKWASHER, 3/8 (G10-43A,G9-43A) | |
| 806 | 88501020 | 1 | HEX NUT, 1/4-7, GR8 (G10-43A,G9-43A) | |
| 817 | 88501120 | 1 | HEX NUT, 1/4-7, GR8 (G10-43A,G9-43A) | |
| 954 | 91141128 | 2 | PIN | |

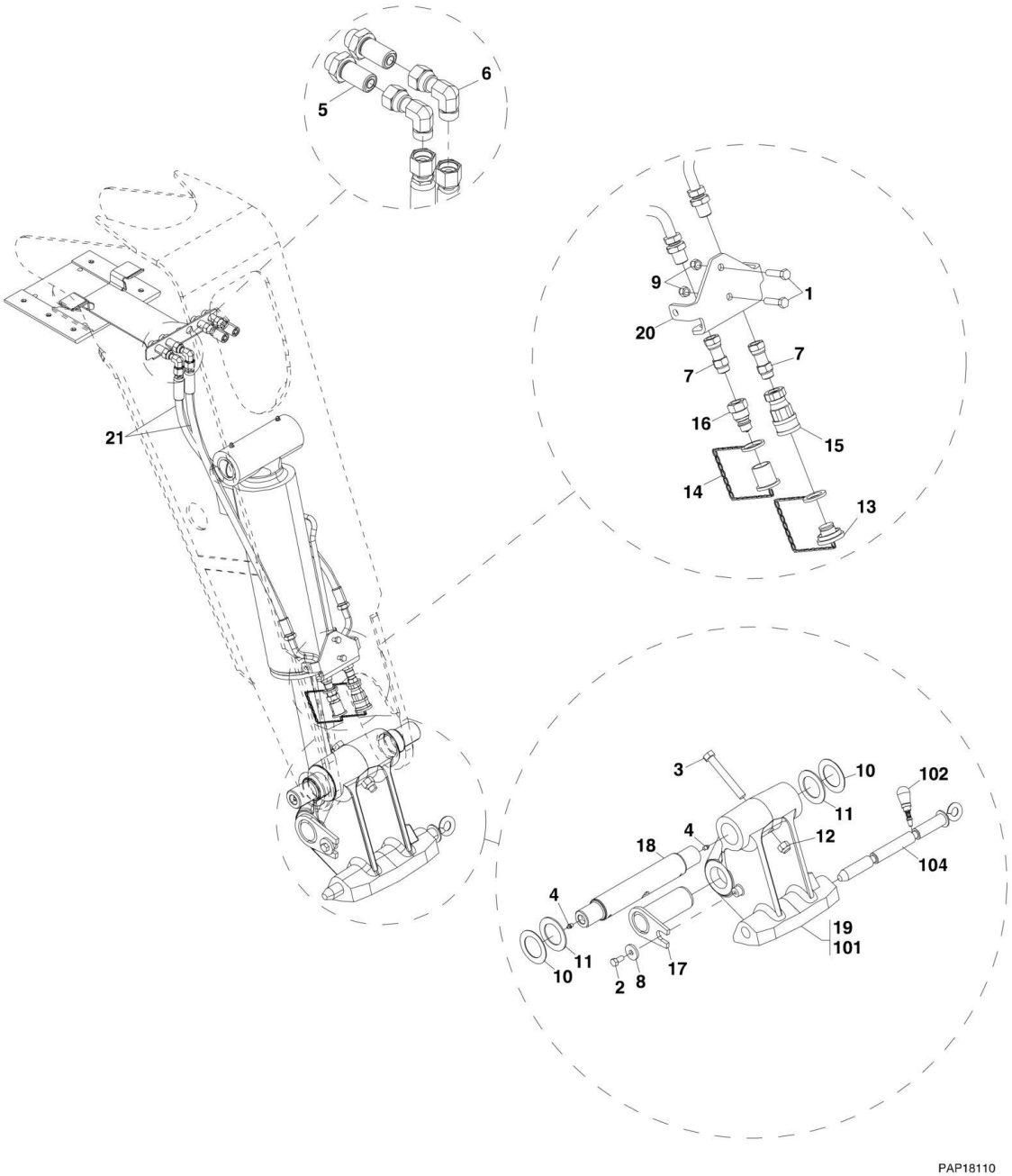
## FIGURE 2-9. RETRACT CHAINS



## FIGURE 2-9. RETRACT CHAINS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 34 | 91403519 | 1 | ROLLER ASSY (includes items 101 thru 103) (G6-42A) | B |
| 34 | 91513242 | 1 | ROLLER ASSY (includes items 101 thru 103) (G10-43A,G9-43A) | B |
| 35 | 0274669 | Ref | CHAIN INSTALLATION (not available to order, see items 201 thru 205 for service) (G6-42A) | C |
| 35 | 0274672 | Ref | CHAIN INSTALLATION (not available to order, see items 201 thru 205 for service) (G10-43A,G9-43A) | C |
| 38 | 91413127 | 1 | PIN (G6-42A) | |
| 38 | 91513177 | 1 | PIN (G10-43A,G9-43A) | |
| 39 | 88681344 | 2 | RETAINING RING (G6-42A) | |
| 39 | 88581112 | 2 | RETAINING RING (G10-43A,G9-43A) | |
| 48 | 4711800 | 4 | WASHER, 1/2 (G6-42A) | |
| 48 | 90027472 | 4 | WASHER, 5/8 (G10-43A,G9-43A) | |
| 76 | 91413138 | 8 | WASHER, 5/8 (G6-42A) | |
| 76 | 91513199 | 14 | WASHER, 3/4 (G10-43A,G9-43A) | |
| 77 | 88501310 | 1 | HEX NUT, 5/8-18, GR5 (G6-42A) | |
| 77 | 88501312 | 1 | HEX NUT, 3/8-16, GR5 (G10-43A,G9-43A) | |
| 78 | 88501410 | 1 | HEX NUT, 5/8-18, GR5 (G6-42A) | |
| 78 | 88501412 | 1 | HEX NUT, 3/8-16, GR5 (G10-43A,G9-43A) | |
| 82 | 0641810 | 4 | HEX HD CAPSCREW, 1/2-13X1-1/4, GR5 (G6-42A) | |
| 82 | 0641812 | 4 | HEX HD CAPSCREW, 5/8-11X1-1/2, GR5 (G10-43A,G9-43A) | |
| 83 | 91401193 | 1 | ANCHOR PLATE (G6-42A) | |
| 83 | 91511049 | 1 | ANCHOR PLATE (G10-43A,G9-43A) | |
| 101 | 91403053 | 2 | SEAL | |
| 102 | 91403052 | 1 | BUSHING (G6-42A) | |
| 102 | 91513011 | 1 | BUSHING (G10-43A,G9-43A) | |
| 103 | 91403518 | 1 | ROLLER (G6-42A) | |
| 103 | 91513241 | 1 | ROLLER (G10-43A,G9-43A) | |
| 201 | 91403433 | 1 | CHAIN (G6-42A) | |
| 201 | 91513035 | 1 | CHAIN (G10-43A,G9-43A) | |
| 202 | 1360291 | 1 | CLEVIS (G6-42A) | |
| 202 | 1360294 | 1 | CLEVIS (G10-43A,G9-43A) | |
| 203 | 91413127 | 1 | PIN (G6-42A) | |
| 203 | 91513177 | 1 | PIN (G10-43A,G9-43A) | |
| 204 | 88681344 | 2 | SNAP RING (G6-42A) | |
| 204 | 88581112 | 2 | SNAP RING (G10-43A,G9-43A) | |
| 205 | 8522012 | AR | ANTI-SEIZE LUBE | |
| 301 | | Ref | THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown) | |
| 302 | | Ref | EXTEND CHAIN, (See PUSH BEAM/EXTEND CHAIN for Breakdown) | |

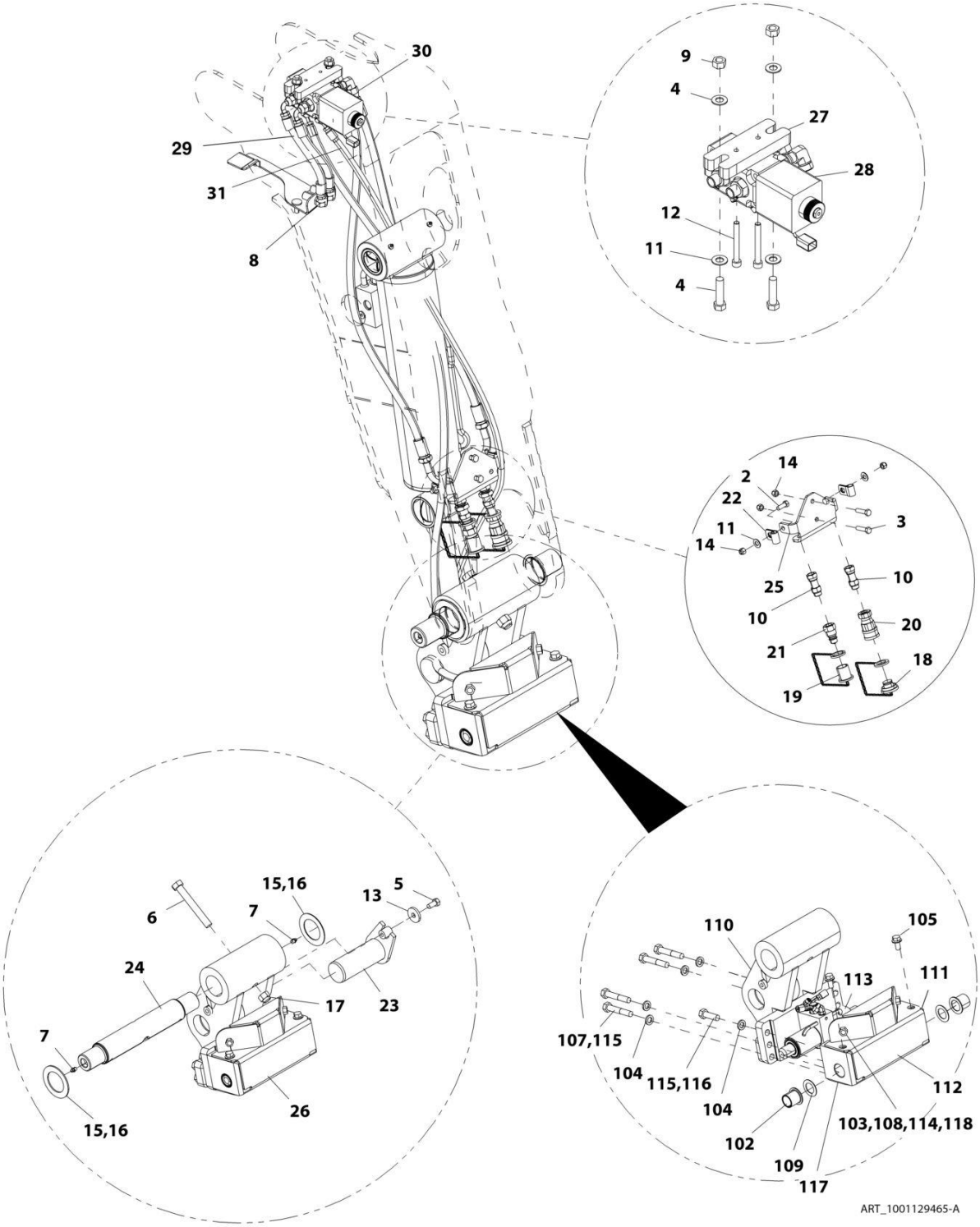
## FIGURE 2-10. MANUAL QUICK SWITCH



## FIGURE 2-10. MANUAL QUICK SWITCH

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001142243 | Ref | MANUAL QUICK SWITCH INSTALLATION (not available to order, see items 1 thru 21 for service) (G6-42A) | A |
| | 1001142788 | Ref | MANUAL QUICK SWITCH INSTALLATION (not available to order, see items 1 thru 21 for service) (G10-43A,G9-43A) | A |
| 1 | 0641612 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/2, GR5 | |
| 2 | 0641808 | 1 | HEX HD CAPSCREW, 1/2-13X1, GR5 | |
| 3 | 0682244 | 1 | HEX HD CAPSCREW, 3/4-10X5-1/2, GR8 | |
| 4 | 2160002 | 2 | GREASE FITTING | |
| 5 | 2171106 | 2 | STRAIGHT FITTING, (includes o-ring) (G6-42A) | |
| 5 | 2171108 | 2 | STRAIGHT FITTING, (includes o-ring) (G10-43A,G9-43A) | |
| 6 | 2172106 | 2 | ADAPTER, 90, (includes o-ring) (G6-42A) | |
| 6 | 2172108 | 2 | ADAPTER, 90, (includes o-ring) (G10-43A,G9-43A) | |
| 7 | 2180849 | 2 | STRAIGHT FITTING, (includes o-ring) | |
| 8 | 4740003 | 1 | WASHER, 1/2 | |
| 9 | 8305645 | 2 | HEX LOCK NUT, 3/8-16 | |
| 10 | 8307916 | AR | SHIM | |
| 11 | 8307917 | AR | SHIM | |
| 12 | 8310067 | 1 | LOCKNUT, 3/4-10 | |
| 13 | 91043125 | 1 | DUST PLUG | |
| 14 | 91043126 | 1 | DUST CAP | |
| 15 | 91403413 | 1 | FEMALE QUICK CONNECT | |
| 16 | 91403414 | 1 | MALE QUICK DISCONNECT | |
| 17 | 1001098218 | 1 | WELDMENT | |
| 18 | 1001098233 | 1 | PIN | |
| 19 | 1001098382 | 1 | QUICK SWITCH ASSY, (includes items 101 thru 104) | E |
| 20 | 1001098425 | 1 | BRACKET | |
| 21 | 1001099889 | 2 | HOSE ASSY (G6-42A) | |
| 21 | 1001099890 | 2 | HOSE ASSY (G10-43A,G9-43A) | |
| 101 | 1001098174 | 1 | QUICK SWITCH COUPLER | |
| 102 | 1001143692 | 1 | POPPIN PIN ASSY | |
| 104 | 1001105441 | 1 | QUICK SWITCH LOCK PIN | |

## FIGURE 2-11. HYDRAULIC QUICK ATTACH



## FIGURE 2-11. HYDRAULIC QUICK ATTACH

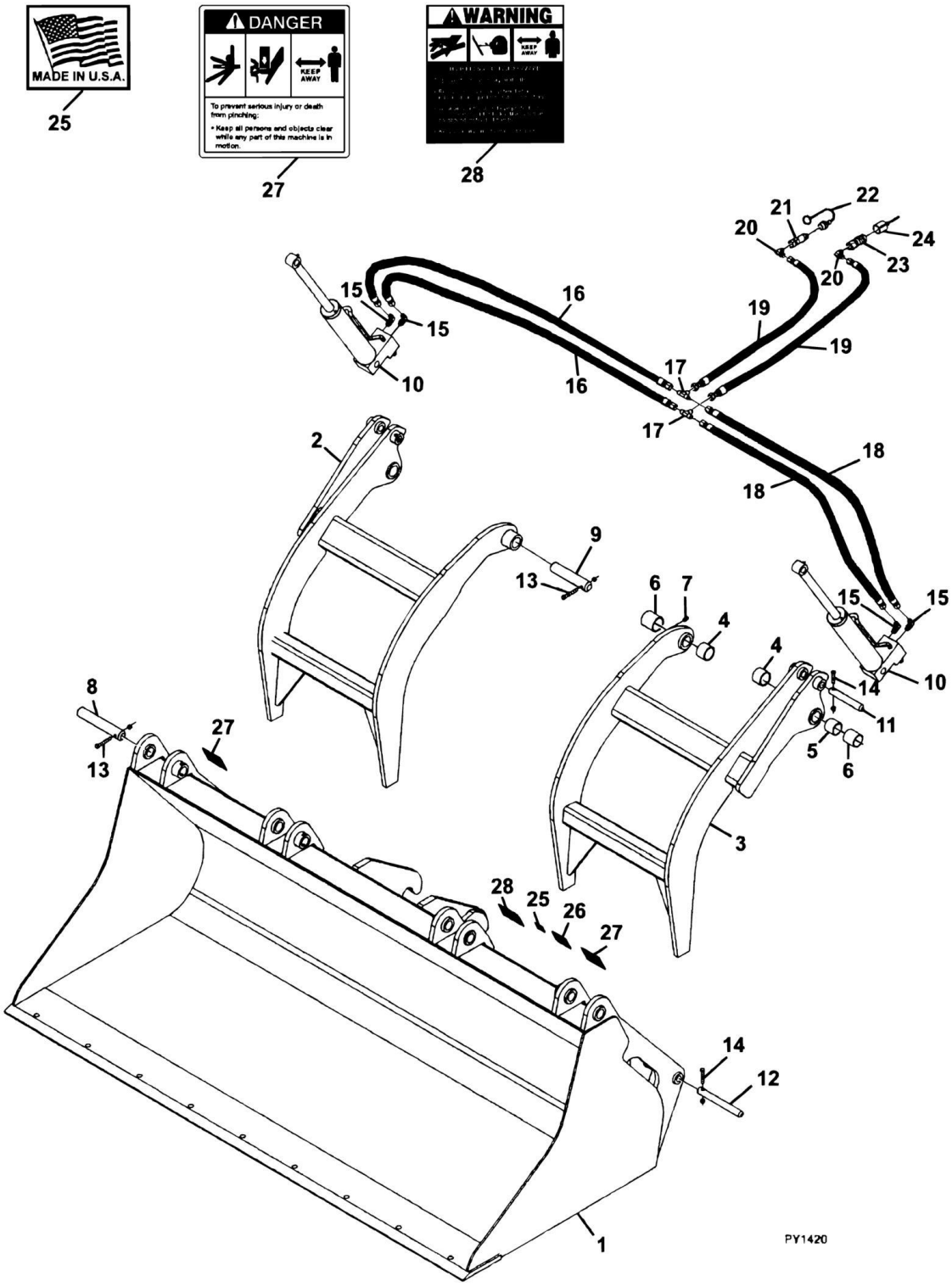
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001129465 | Ref | HYDRAULIC QUICK SWITCH INSTALLATION (not available to order, see items 1 thru 31 for service) (G6-42A) | A |
| | 1001129466 | Ref | HYDRAULIC QUICK SWITCH INSTALLATION (not available to order, see items 1 thru 31 for service) (G10-43A,G9-43A) | A |
| 1 | 0100011 | AR | LOCTITE 242 | |
| 2 | 0641608 | 2 | HEX HD CAPSCREW, 3/8-16X1 | |
| 3 | 0641612 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/2 | |
| 4 | 0641714 | 2 | HEX HD CAPSCREW, 7/16-14X1-3/4 | |
| 5 | 0641808 | 1 | HEX HD CAPSCREW, 1/2-13X1 | |
| 6 | 0682244 | 1 | HEX HD CAPSCREW, 3/4-10X5-1/2 | |
| 7 | 2160002 | 2 | STRAIGHT FITTING | |
| 8 | 2171206 | 2 | ADAPTER, 90, (includes o-ring) (G6-42A) | |
| 8 | 2171208 | 2 | ADAPTER, 90, (includes o-ring) (G10-43A,G9-43A) | |
| 9 | 3311701 | 2 | HEX NUT, 7/16-14 | |
| 10 | 2180849 | 2 | ADAPTER | |
| 11 | 4711700 | 6 | WASHER, 7/16 | |
| 12 | 4031918 | 2 | SOC HD CAPSCREW, M8X70 | |
| 13 | 4740003 | 1 | FLAT WASHER | |
| 14 | 8305645 | 4 | HEX LOCK NUT | |
| 15 | 8307916 | AR | WASHER, SHIM | |
| 16 | 8307917 | AR | WASHER, SHIM | |
| 17 | 8310067 | 1 | HEX LOCK NUT | |
| 18 | 91043125 | 1 | DUST PLUG | |
| 19 | 91043126 | 1 | DUST CAP | |
| 20 | 91403413 | 1 | ADPT,SP CQD FORB 8 FG | |
| 21 | 91403414 | 1 | ADPT,SP NQD FORB 8 FG | |
| 22 | 1001080996 | 2 | P-CLAMP | |
| 23 | 1001098218 | 1 | PIN | |
| 24 | 1001098233 | 1 | PIVOT PIN | |
| 25 | 1001098425 | 1 | BRACKET | |
| 26 | 1001120135 | 1 | HYDRAULIC QUICK ATTACH INSTALLATION, (includes items 101 thru 118) | C |
| 27 | 1001127353 | 1 | VALVE ATTACHMENT PLATE | |
| 28 | 1001126962 | 1 | HYDRAULIC VALVE (G6-42A) | |
| 28 | 1001127006 | 1 | HYDRAULIC VALVE (G10-43A,G9-43A) | |
| 29 | 1001126963 | 2 | HOSE ASSY (G6-42A) | |
| 29 | 1001127007 | 2 | HOSE ASSY (G10-43A,G9-43A) | |
| 30 | 1001126964 | 2 | HOSE ASSY (G6-42A) | |
| 30 | 1001127008 | 2 | HOSE ASSY (G10-43A,G9-43A) | |
| 31 | 1001126965 | 2 | HOSE ASSY (G6-42A) | |
| 31 | 1001127009 | 2 | HOSE ASSY (G10-43A,G9-43A) | |
| 101 | 0100011 | AR | LOCTITE 242 | |
| 102 | 0440321 | 2 | FLANGE BEARING | |
| 103 | 0641807 | 2 | HEX HD CAPSCREW, 1/2-13X7/8 | |
| 104 | 4762000 | 6 | WASHER, 5/8 | |
| 105 | 0791808 | 2 | SCREW, 1/2X13X1 | |
| 107 | 10700689 | 4 | CAPSCREW, 0.625-18X3.50 | |
| 108 | 3311805 | 2 | HEX LOCK NUT | |
| 109 | 91561240 | AR | SHIM | |
| 110 | 1001120120 | 1 | ADAPTER | |

# SECTION 2 - BOOM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 111 | 1001120124 | 1 | CYLINDER ATTACHMENT PLATE | |
| 112 | 1001120130 | 1 | CYLINDER COVER | |
| 113 | 1001120164 | 1 | CYLINDER, (See Separate Breakdown in HYDRAULIC COMPONENTS Section) | |
| 114 | 1001080996 | 2 | P-CLAMP | |
| 115 | 0100019 | AR | LOCTITE 242 | |
| 116 | 10700683 | 2 | CAPSCREW, 0.625-18X2 | |
| 117 | 1001145386 | 1 | CYLINDER ATTACHMENT PLATE (Right) | |
| 118 | 4711800 | 2 | WASHER, 1/2 | |

# SECTION 3 - ATTACHMENTS

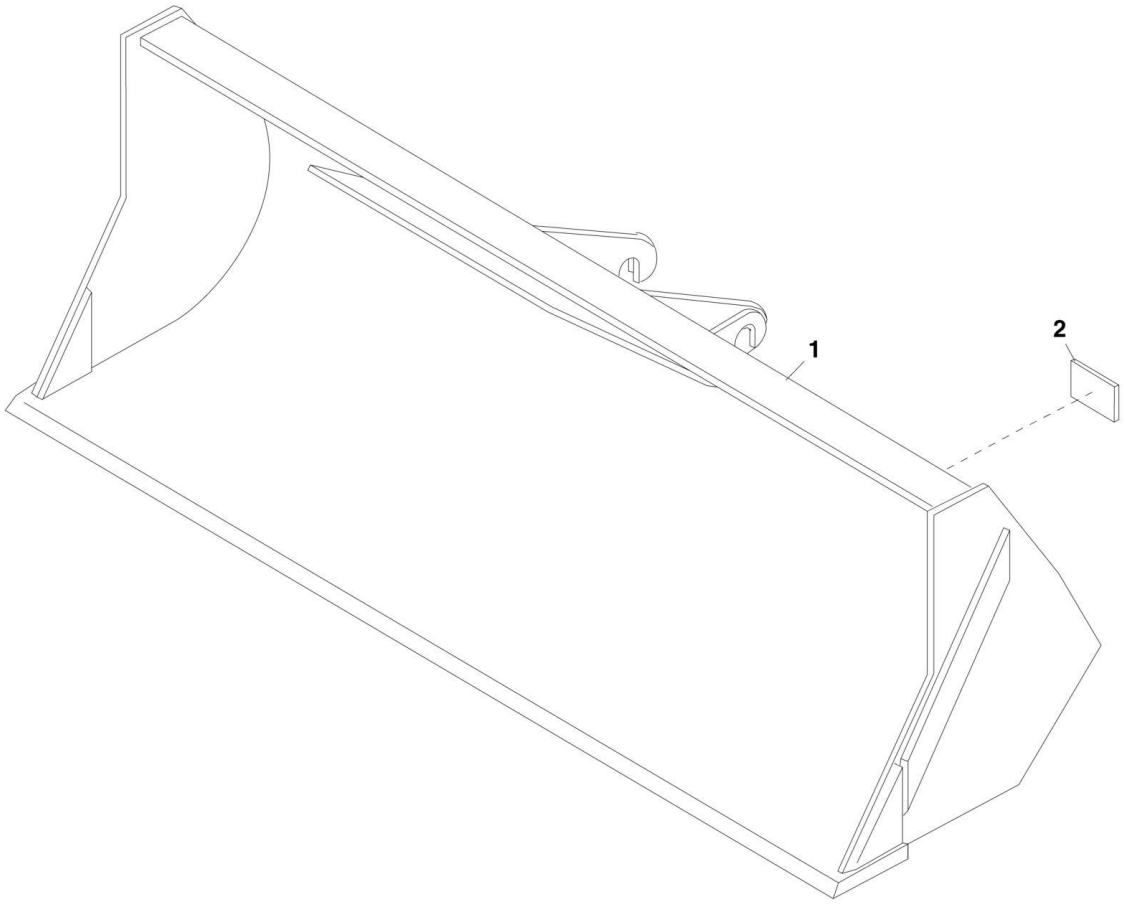
## FIGURE 3-1. BUCKET - GRAPPLE



## FIGURE 3-1. BUCKET - GRAPPLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0930020 | 1 | GRAPPLE BUCKET, (includes all items) | H |
| 1 | N.S.S. | 1 | BUCKET | |
| 1 | 70021387 | 4 | HOSE CLAMP | |
| 2 | 70021391 | 1 | RIGHT GRAPPLE HOOK | |
| 3 | 70021392 | 1 | LEFT GRAPPLE HOOK | |
| 4 | 70021358 | 4 | BUSHING | |
| 5 | 70021359 | 2 | SPACER | |
| 6 | 70021360 | 4 | BUSHING | |
| 7 | 7029714 | 4 | GREASE FITTING | |
| 8 | 70021361 | 2 | OUTER PIVOT PIN | |
| 9 | 70021362 | 2 | INNER PIVOT PIN | |
| 10 | | Ref | GRAPPLE BUCKET CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENETS SECTION for Breakdown) | |
| 11 | | Ref | CYLINDER PIN, (base end), (See HYDRAULIC COMPONENETS SECTION for Breakdown) | |
| 12 | | Ref | CYLINDER PIN, (rod end), (See HYDRAULIC COMPONENETS SECTION for Breakdown) | |
| 13 | 70021366 | 4 | HEX HD CAPSCREW, 3/8X2-3/4 | |
| 13 | 70021367 | 4 | LOCKNUT, 3/8 | |
| 14 | | Ref | HEX HD CAPSCREW, 3/8X2-1/4, (See HYDRAULIC COMPONENETS SECTION for Breakdown) | |
| 14 | | Ref | LOCKNUT, 3/8, (See HYDRAULIC COMPONENETS SECTION for Breakdown) | |
| 15 | 90554065 | 4 | ELBOW, 90 | |
| 16 | 70021980 | 2 | HOSE ASSY, 3/8X73 | |
| 17 | 70020562 | 2 | TEE FITTING | |
| 18 | 70021981 | 2 | HOSE ASSY, 3/8X46 | |
| 19 | 70021982 | 1 | HOSE 34IN (BOOM FRONT DISCONNECT) | |
| 19 | 70031446 | 1 | HOSE 45IN (BOOM SIDE DISCONNECT) | |
| 20 | 70022527 | 2 | ELBOW, 90 | |
| 21 | 7029692 | 1 | MALE QUICK COUPLER | |
| 22 | 90554062 | 1 | DUST COVER | |
| 23 | 70021342 | 1 | FEMALE QUICK COUPLER | |
| 24 | 90554076 | 1 | DUST COVER | |
| 25 | 90554016 | 1 | MADE IN USA DECAL | |
| 29 | N.S.S. | 1 | SN PLATE | |
| 27 | 90554017 | 2 | DANGER PINCH POINT DECAL | |
| 28 | 90554018 | 1 | WARNING HIGH PRESSURE DECAL | |

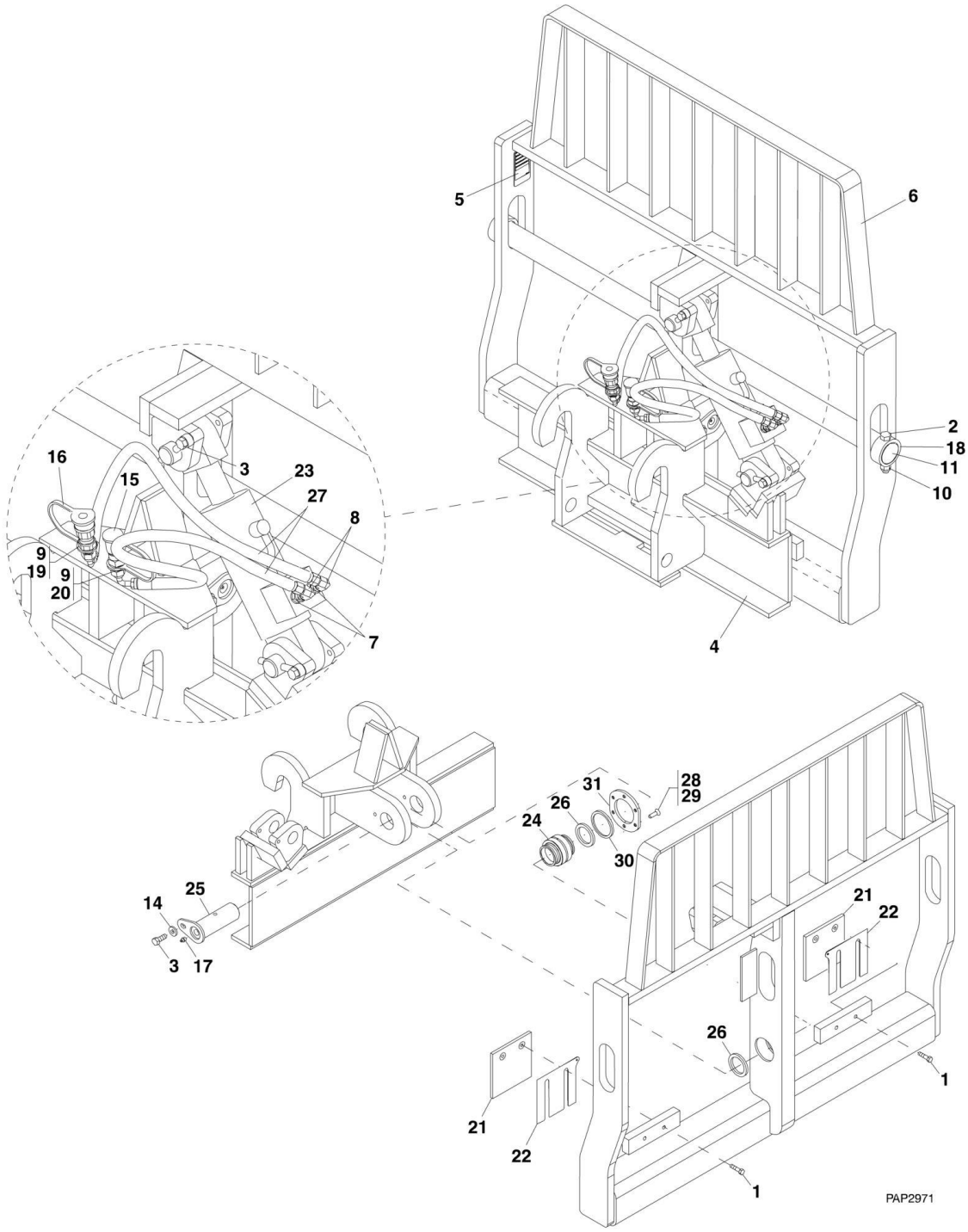
**FIGURE 3-2. BUCKETS**



## FIGURE 3-2. BUCKETS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 1001100822 | 1 | 72IN BUCKET, 1.0 $YD^3$, (includes item 2) | C |
| 1 | 1001100823 | 1 | 96IN BUCKET, 1.5 $YD^3$, (includes item 2) | C |
| 1 | 1001100824 | 1 | 102IN BUCKET, 2.0 $YD^3$, (includes item 2) | C |
| 2 | N.S.S. | 1 | SN PLATE | |

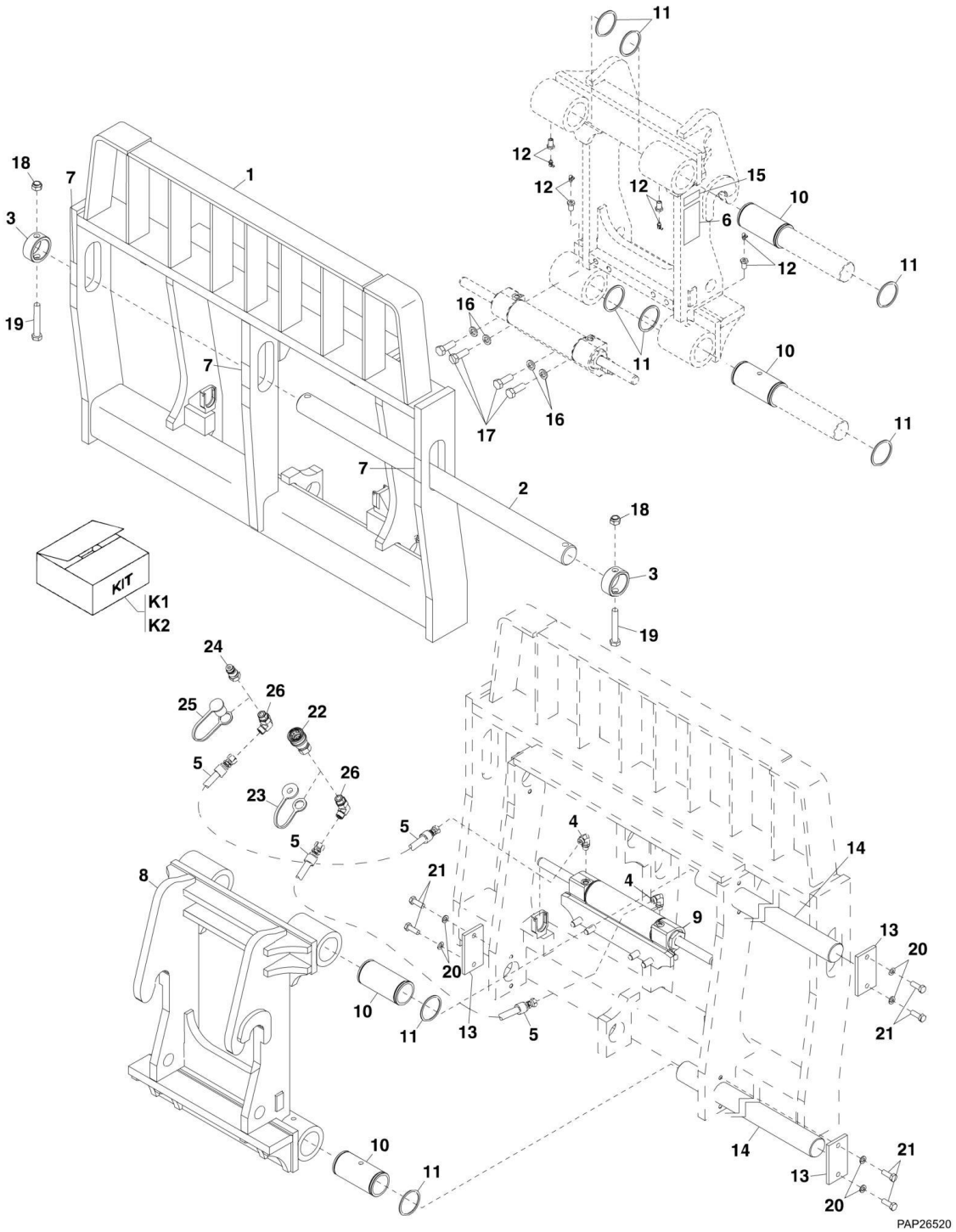
## FIGURE 3-3. CARRIAGE - SIDE TILT



## FIGURE 3-3. CARRIAGE - SIDE TILT

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

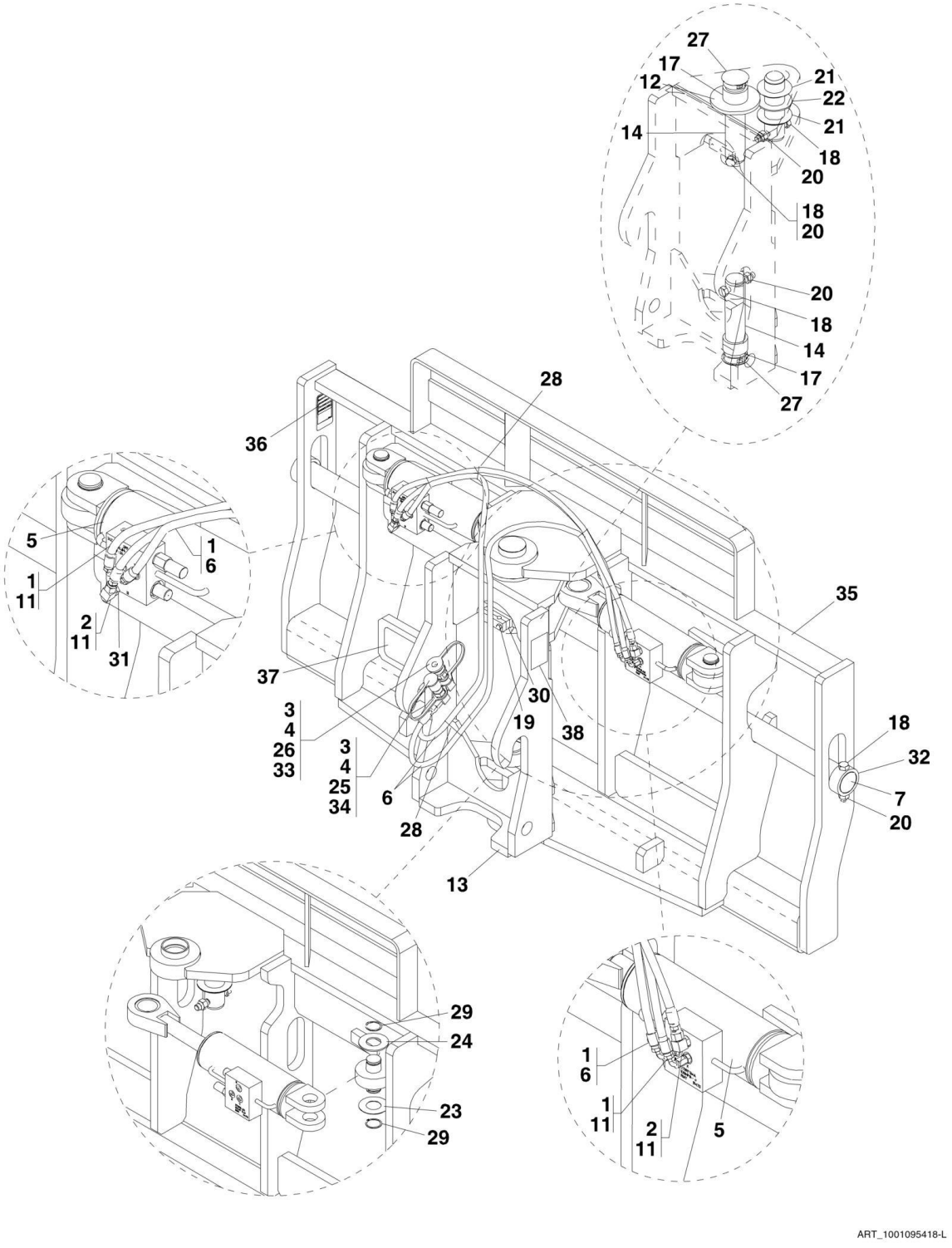
## FIGURE 3-4. CARRIAGE - SIDE TILT (50IN)



## FIGURE 3-4. CARRIAGE - SIDE TILT (50IN)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001142790 | 1 | 50IN SIDE SHIFT CARRIAGE, (includes all items) | C |
| 1 | N.S.S. | 1 | WELDMENT | |
| 2 | 70024535 | 1 | SHAFT | |
| 3 | 70024536 | 2 | COLLAR | |
| 4 | 70024123 | 2 | ADAPTER, 90, (includes o-ring) | |
| 5 | 70024537 | 2 | HOSE ASSEMBLY | |
| 6 | N.S.S. | 1 | SN PLATE | |
| 7 | 70024538 | 3 | WARNING DECAL | |
| 8 | N.S.S. | 1 | WELDMENT | |
| 9 | | Ref | 50IN SIDE SHIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 10 | 70024540 | 4 | BUSHING | |
| 11 | 70024541 | 8 | CIRCLIP | |
| 12 | 70024542 | 4 | GREASE FITTING | |
| 13 | 70024543 | 4 | RETAINER | |
| 14 | 70024544 | 2 | SHAFT | |
| 15 | N.S.S. | 1 | SN PLATE | |
| 16 | 70024551 | 4 | LOCKWASHER, 16mm | |
| 17 | 70024552 | 4 | HEX HD CAPSCREW, M16X45, GR10.9 | |
| 18 | 70024553 | 2 | HEX NUT, M16, GR8 | |
| 19 | 70024554 | 2 | HEX HD CAPSCREW, M16X100, GR10.9 | |
| 20 | 70022997 | 8 | LOCKWASHER, 12mm | |
| 21 | 70024555 | 8 | HEX HD CAPSCREW, M12X35, GR10.9 | |
| 22 | 91403413 | 1 | FEMALE QUICK DISCONNECT | |
| 23 | 8420055 | 1 | DUST PLUG | |
| 24 | 91403414 | 1 | MALE QUICK DISCONNECT | |
| 25 | 8420053 | 1 | DUST CAP | |
| 26 | 70024550 | 2 | ADAPTER, 90, (includes o-ring) | |
| K1 | 70024545 | 1 | HYDRAULIC REPAIR KIT, (includes items 5 & 22 thru 26) | B |
| K2 | 70024546 | 1 | RETAINER KIT, (includes items 13, 20 & 21) | B |

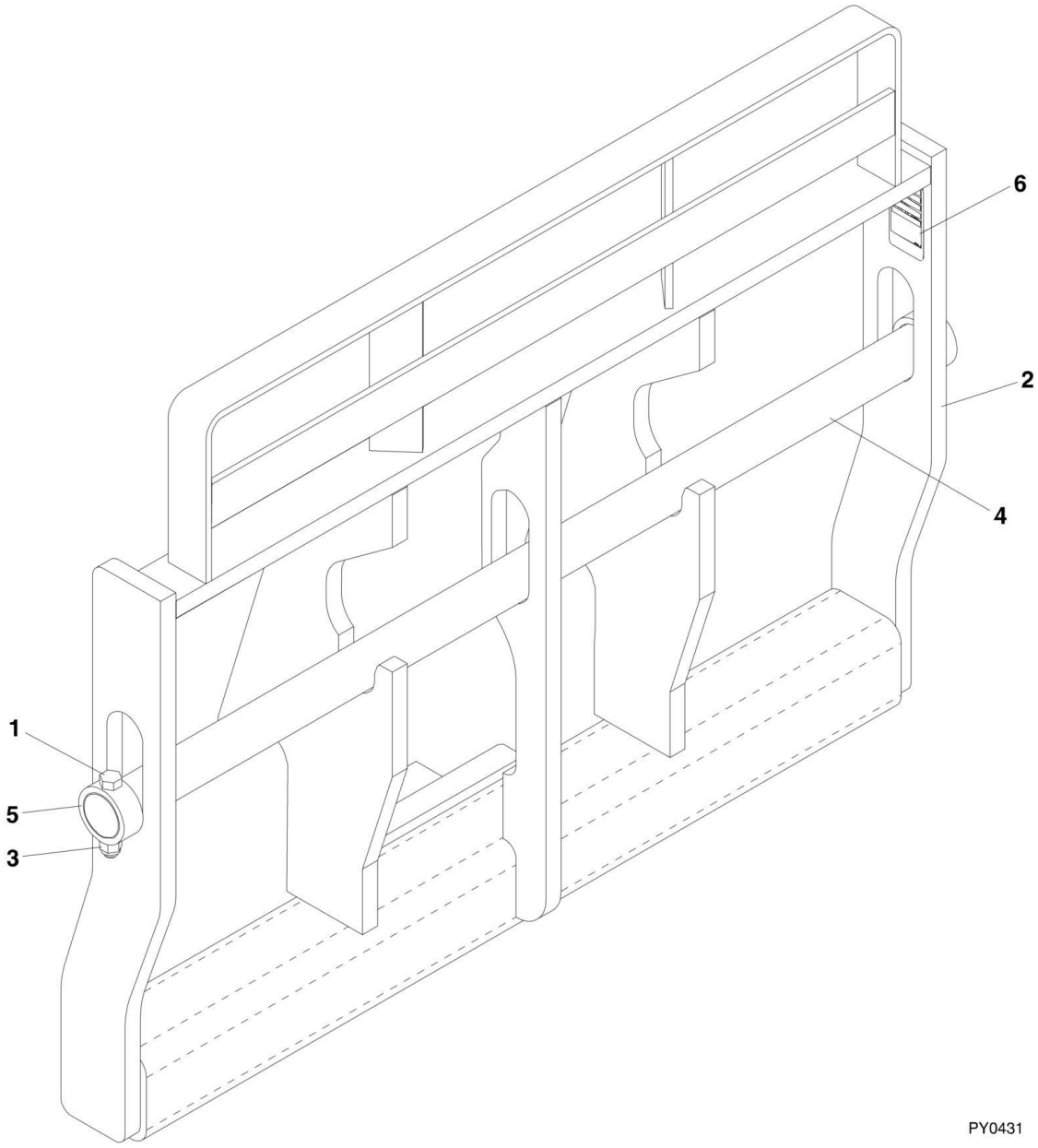
## FIGURE 3-5. CARRIAGE - SWING (90)



## FIGURE 3-5. CARRIAGE - SWING (90)

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

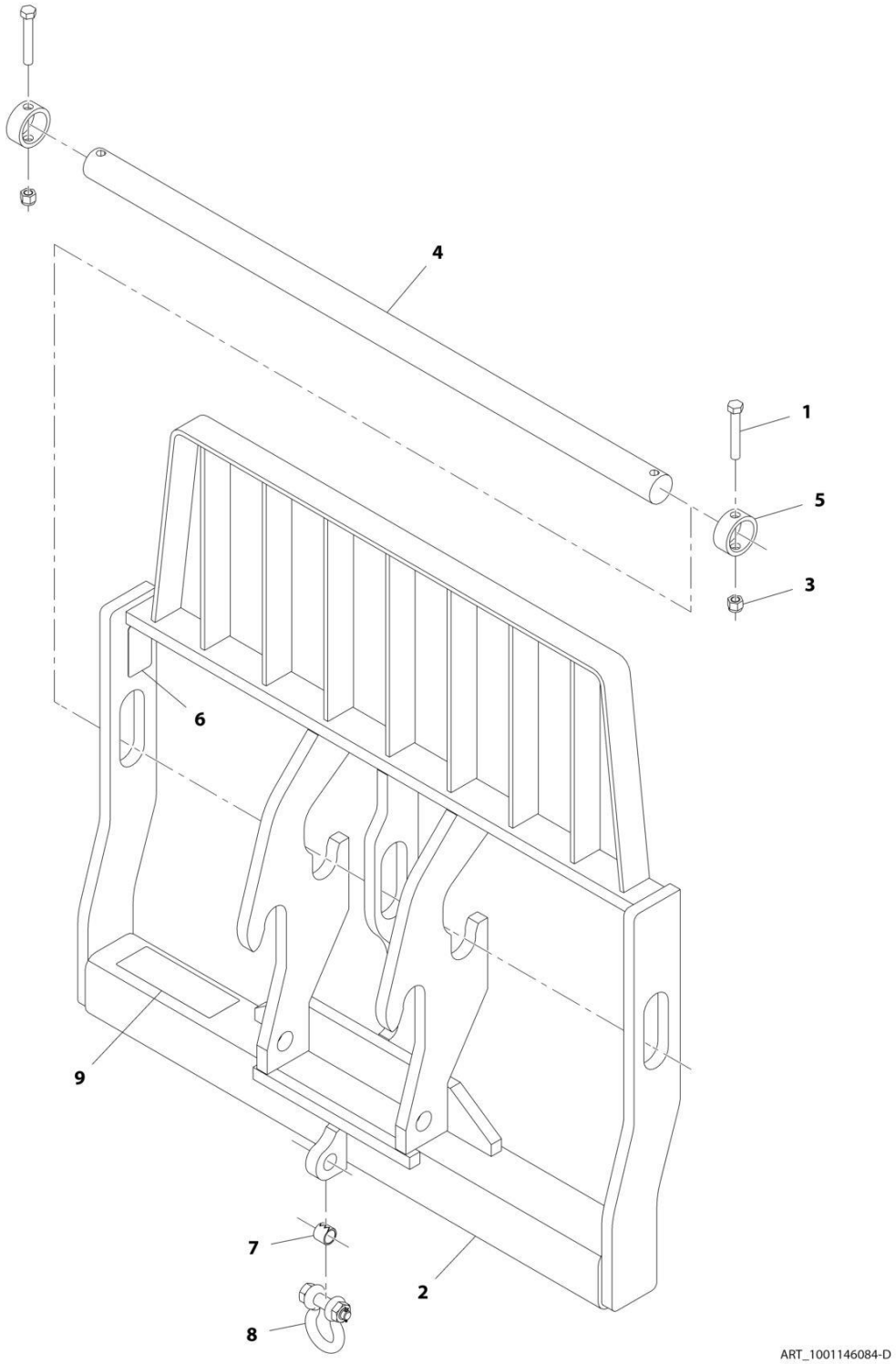
**FIGURE 3-6. CARRIAGE - TILT (G6-42A Prior to SN 0160052010; G9-43A Prior to SN 0160051085; G10-43A Prior to SN 0160052011)**



## FIGURE 3-6. CARRIAGE - TILT (G6-42A Prior to SN 0160052010; G9-43A Prior to SN 0160051085; G10-43A Prior to SN 0160052011)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1170021 | 1 | 50IN TILT CARRIAGE, (includes all items) | E |
| | 1170024 | 1 | 60IN TILT CARRIAGE, (includes all items) | E |
| | 1001132514 | 1 | 72IN TILT CARRIAGE, (includes all items) | B |
| 1 | 0642032 | 2 | HEX HD CAPSCREW, 5/8-11X4, GR5 | |
| 2 | N.S.S. | 1 | TILT CARRIAGE | |
| 3 | 3300240 | 2 | LOCKNUT, 5/8-11 | |
| 4 | 3423275 | 1 | 50IN FORK PIN | |
| 4 | 3423242 | 1 | 60IN FORK PIN | |
| 4 | 3423276 | 1 | 72IN FORK PIN | |
| 5 | 90200003 | 2 | COLLAR | |
| 6 | N.S.S. | 1 | SN PLATE | |

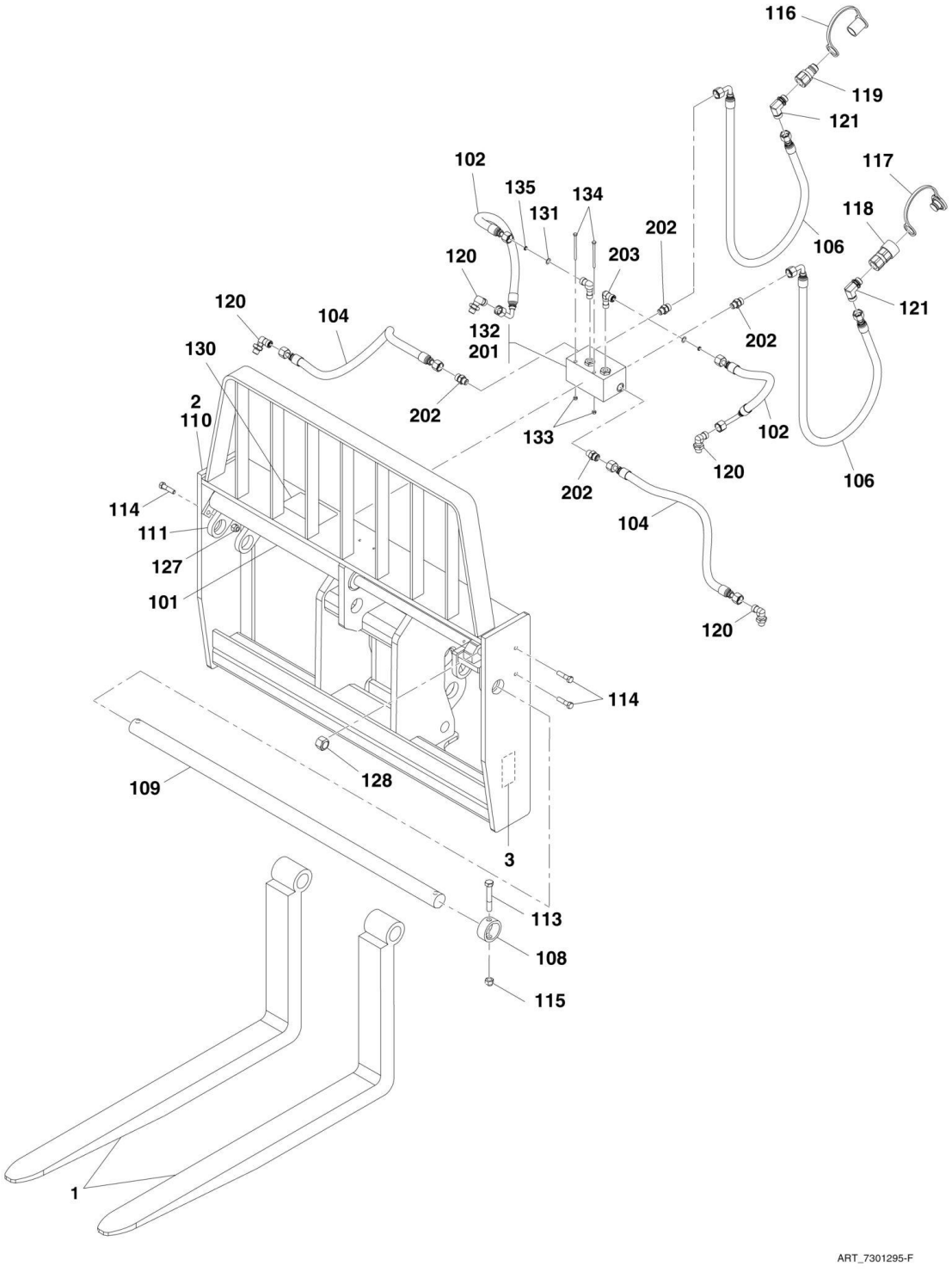
**FIGURE 3-7. CARRIAGE - TILT (G6-42A SN 0160052010 to Present; G9-43A SN 0160051085 to Present; G10-43A SN 0160052011 to Present)**



## FIGURE 3-7. CARRIAGE - TILT (G6-42A SN 0160052010 to Present; G9-43A SN 0160051085 to Present; G10-43A SN 0160052011 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001146084 | 1 | 50 IN TILT CARRIAGE, (includes items 1 thru 9) | D |
| | 1001146086 | 1 | 60 IN TILT CARRIAGE, (includes items 1 thru 9) | D |
| | 1001146088 | 1 | 72 IN TILT CARRIAGE, (includes items 1 thru 9) | D |
| 1 | 0642032 | 2 | HEX HD CAPSCREW, 5/8-11X4, GR5 | |
| 2 | N.S.S. | 1 | TILT CARRIAGE | |
| 3 | 3300240 | 2 | LOCKNUT, 5/8-11 | |
| 4 | 3423275 | 1 | 50 IN FORK PIN | |
| 4 | 3423242 | 1 | 60 IN FORK PIN | |
| 4 | 3423276 | 1 | 72 IN FORK PIN | |
| 5 | 90200003 | 2 | COLLAR | |
| 6 | N.S.S. | 1 | S/N PLATE | |
| 7 | 1001146159 | 1 | SLEEVE | |
| 8 | 1001146160 | 1 | SHACKLE | |
| 9 | 1001151561 | 1 | DANGER SWING LOADS DECAL | |

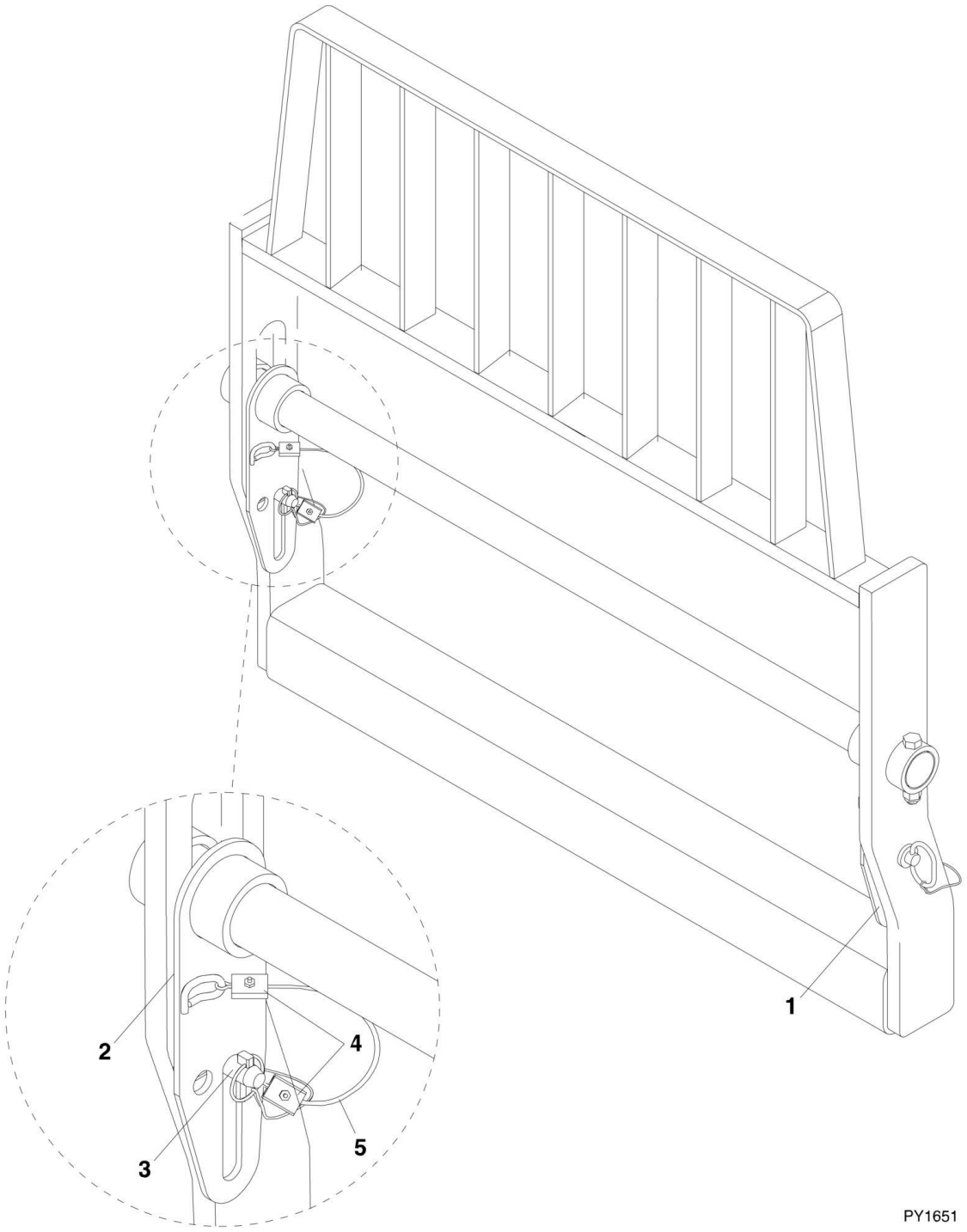
## FIGURE 3-8. CARRIAGE ASSEMBLY - DUAL FORK (50IN)



## FIGURE 3-8. CARRIAGE ASSEMBLY - DUAL FORK (50IN)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 7301295 | 1 | 50IN DUAL FORK CARRIAGE ASSEMBLY, (includes items 1 thru 3) | F |
| 1 | N.S.S. | 2 | PALLET FORK, (60X100X1220MM) | |
| 2 | N.S.S. | 1 | 50IN CARRIAGE, (includes items 101 thru 135) | I |
| 3 | N.S.S. | 1 | SN PLATE | |
| 101 | 2717283 | 2 | FORK POSITIONING CYLINDER | |
| 102 | 2717160 | 2 | HOSE ASSY | |
| 104 | 2717161 | 2 | HOSE ASSY | |
| 106 | 2717162 | 2 | HOSE ASSY | |
| 108 | 90200003 | 2 | FORK PIN COLLAR | |
| 109 | 90451058 | 1 | FORK SHAFT | |
| 110 | N.S.S. | 1 | 50 IN CARRIAGE WELDMENT | |
| 111 | 7301579 | 2 | FORK ADAPTER WELDMENT | |
| 113 | 8303634 | 2 | HEX HD CAPSCREW, 5/8-11X4, GR5 | |
| 114 | 8303658 | 4 | HEX HD CAPSCREW, 1/2-13X2, GR5 | |
| 115 | 8305643 | 2 | HEX LOCKNUT, 5/8-11 | |
| 116 | 8420053 | 1 | DUST CAP | |
| 117 | 8420055 | 1 | DUST PLUG | |
| 118 | 91403413 | 1 | CONNECTOR | |
| 119 | 91403414 | 1 | CONNECTOR | |
| 120 | 2130606 | 4 | ELBOW, 90, (includes o-ring) | |
| 121 | 2130608 | 2 | ELBOW, 90, (includes o-ring) | |
| 127 | 8310302 | 4 | HEX LOCKNUT, 1/2-13 | |
| 128 | 10705034 | 2 | HEX LOCKNUT, 1-14 | |
| 130 | 4110473 | 1 | HOSE ROUTING DECAL | |
| 131 | 7139918 | 2 | ORIFICE DISK | |
| 132 | 4641502 | 1 | VALVE ASSY, (includes items 201 thru 203) | B |
| 133 | 8305624 | 2 | HEX LOCKNUT, 1/4-20 | |
| 134 | 8310435 | 2 | HEX HD CAPSCREW, 1/4-20X3-3/4, GR5 | |
| 135 | 8630003 | 2 | O-RING | |
| 201 | 4641501 | 1 | FLOW DIVIDER VALVE | |
| 202 | 2110606 | 4 | CONNECTOR | |
| 203 | 2130606 | 2 | ELBOW, 90, (includes o-ring) | |

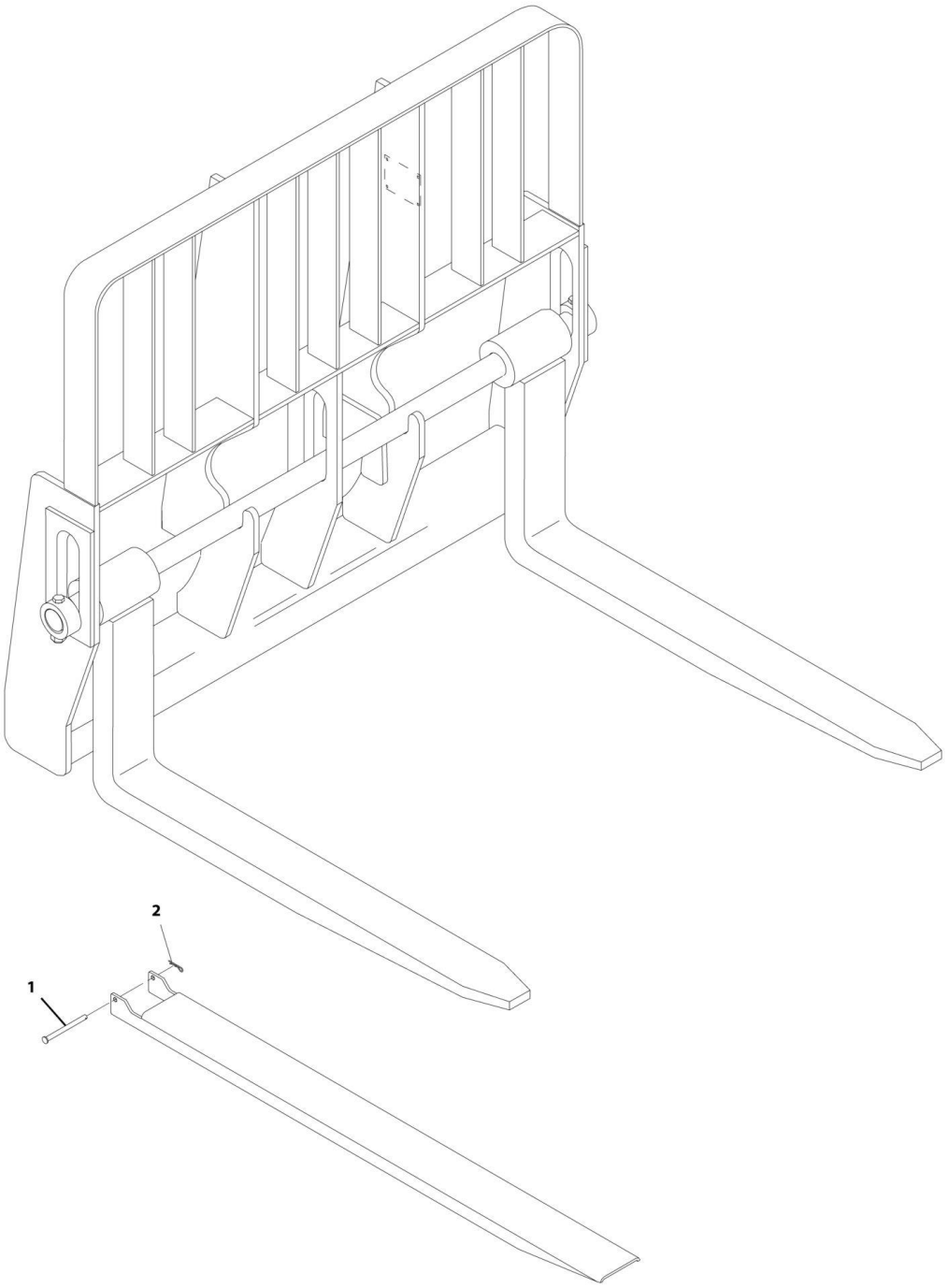
**FIGURE 3-9. FORK PIN LOCK INSTALLATION**



## FIGURE 3-9. FORK PIN LOCK INSTALLATION

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

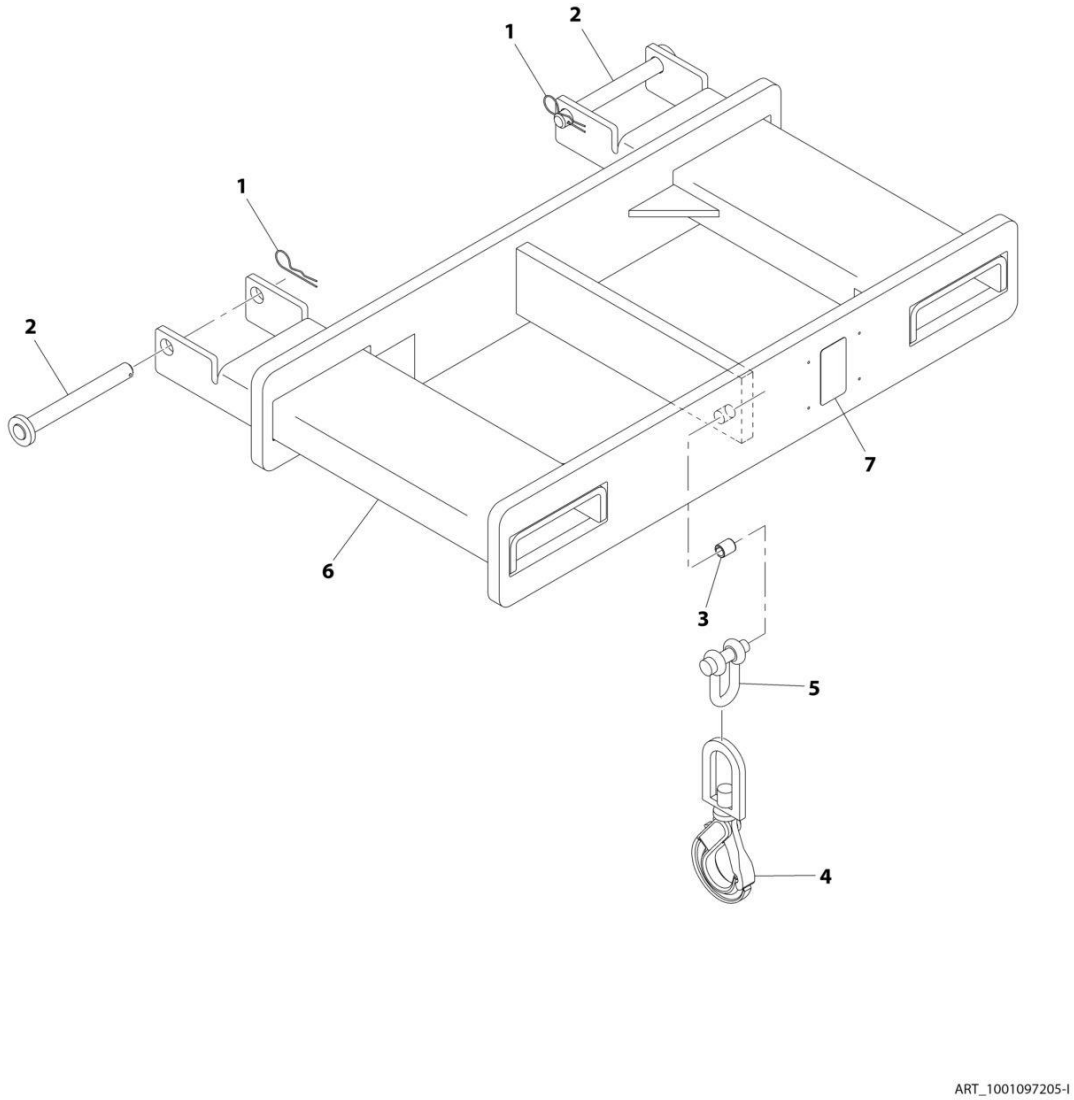
**FIGURE 3-10. FORKS**



## FIGURE 3-10. FORKS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 2340037 | 6 | 48IN CUBING FORK, 2X2, 11,640lbs | A |
| | 2340045 | 2 | 48IN PALLET FORK, 2-23/64X4, 10,950lbs | B |
| | 2340038 | 2 | 48IN PALLET FORK, 2-23/64X5, 13,700lbs | B |
| | 2340046 | 2 | 60IN DUAL TAPER FORK, 1-3/4X7, 10,800lbs | B |
| | 2340039 | 2 | 60IN DUAL TAPER FORK, 2-23/64X6, 16,300lbs | B |
| | 1001092391 | 2 | 72IN DUAL TAPER FORK, 2X6, 11,300lbs | B |
| | 1001137512 | 2 | 90IN FORK EXTENSION, (includes items 1 & 2) | D |
| 1 | 70024306 | 1 | PIN | |
| 2 | 70024307 | 1 | CLIP | |
| N1 | Note | Ref | **FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.** | |
| N2 | Note | Ref | **PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.** | |

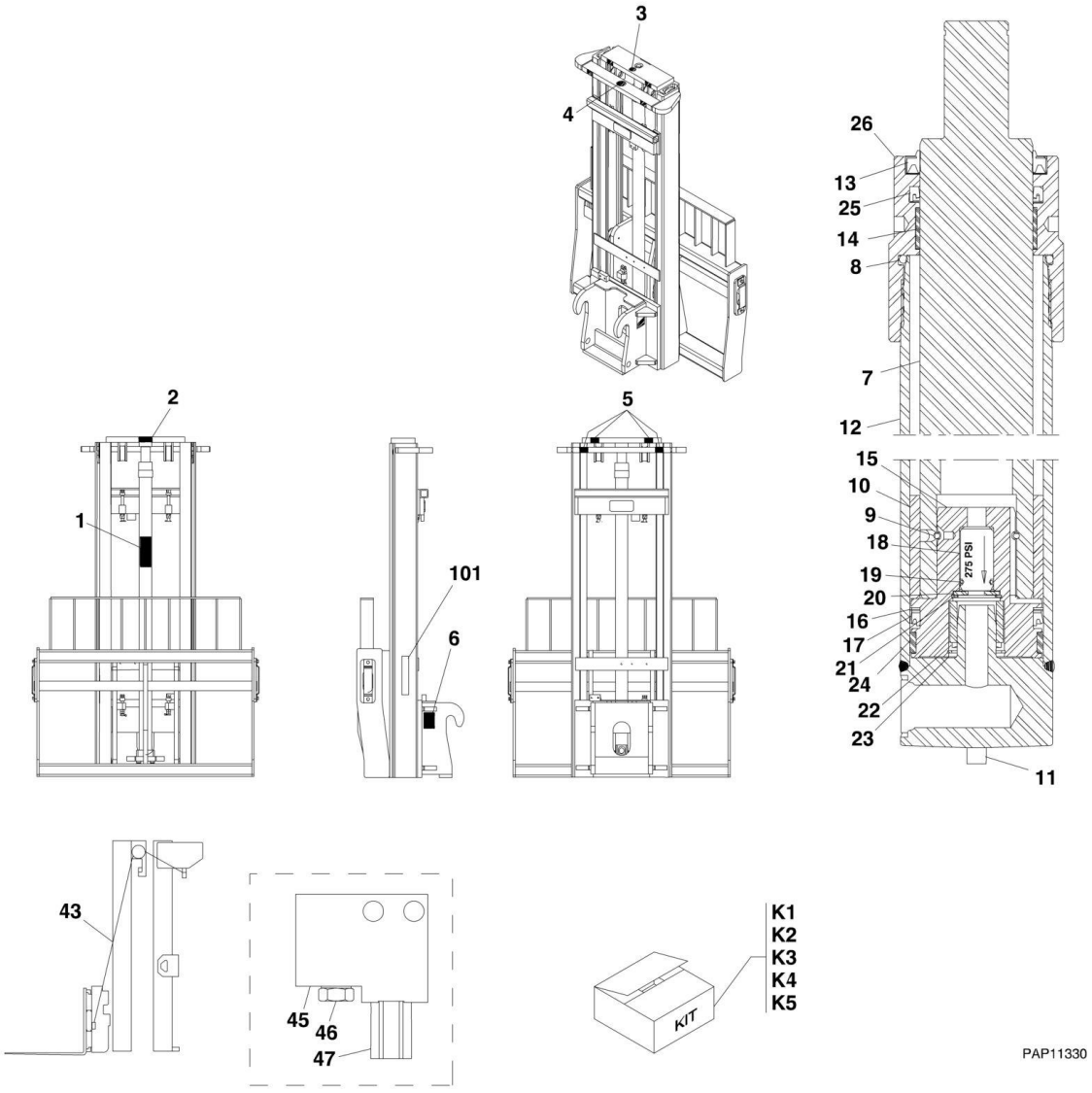
**FIGURE 3-11. HOOK - LIFTING**

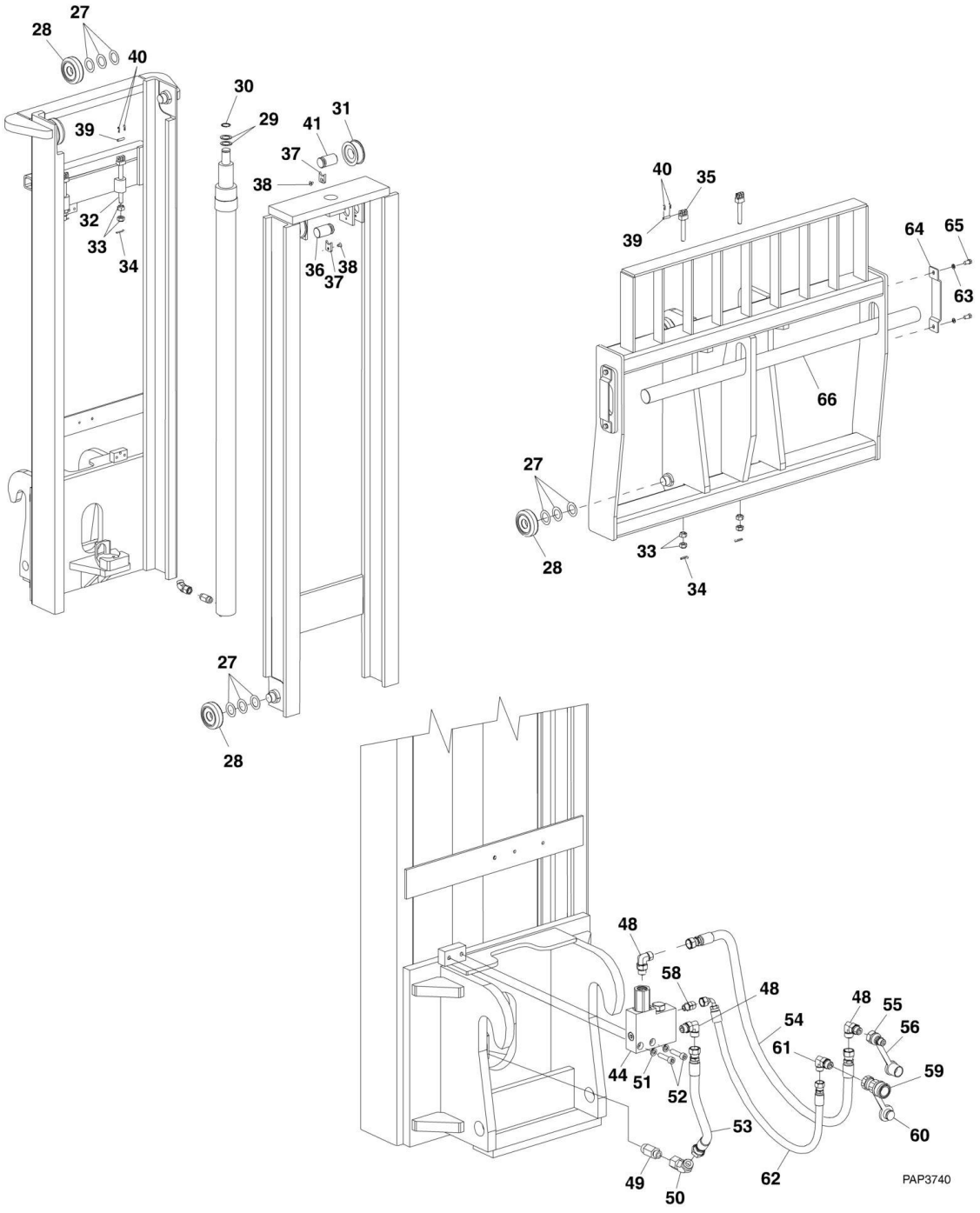


## FIGURE 3-11. HOOK - LIFTING

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91565094 | NLA | LIFTING HOOK, (no longer available, use 1001097205 for replacement or items 1 through 7 for service) | G |
| | 1001097205 | 1 | FORK MOUNTED HOOK, (includes all items) | G |
| 1 | 7029520 | 2 | Pin, Cotter | |
| 2 | 1001093171 | 2 | Pin | |
| 3 | 70020555 | 1 | Bushing | |
| 4 | 90554080 | 1 | Hook | |
| 5 | 7029521 | 1 | Shackle | |
| 6 | N.S.S. | 1 | Weldment, Hook | |
| 7 | N.S.S. | 1 | S/N Plate | |

**FIGURE 3-12. MAST (8FT)**



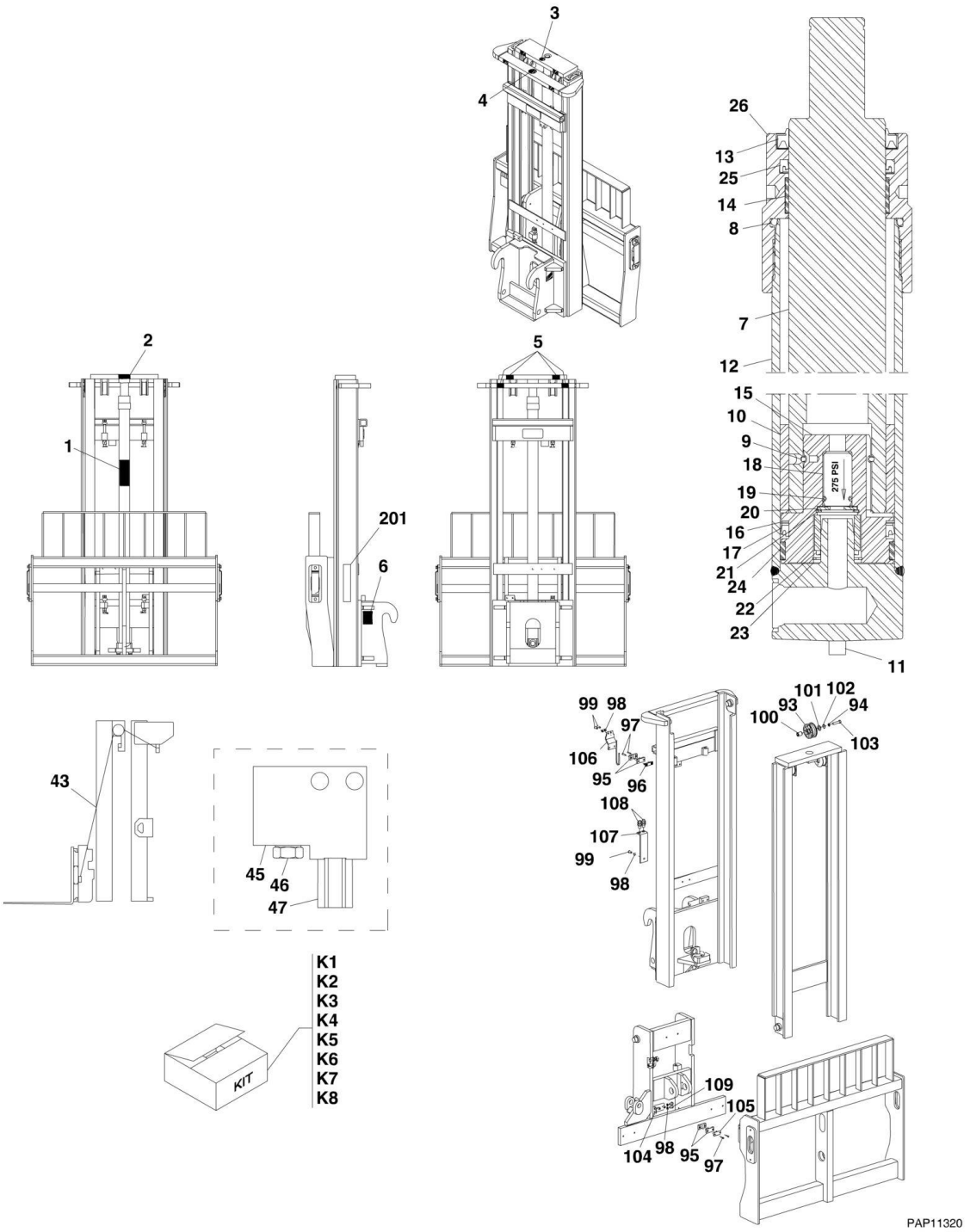

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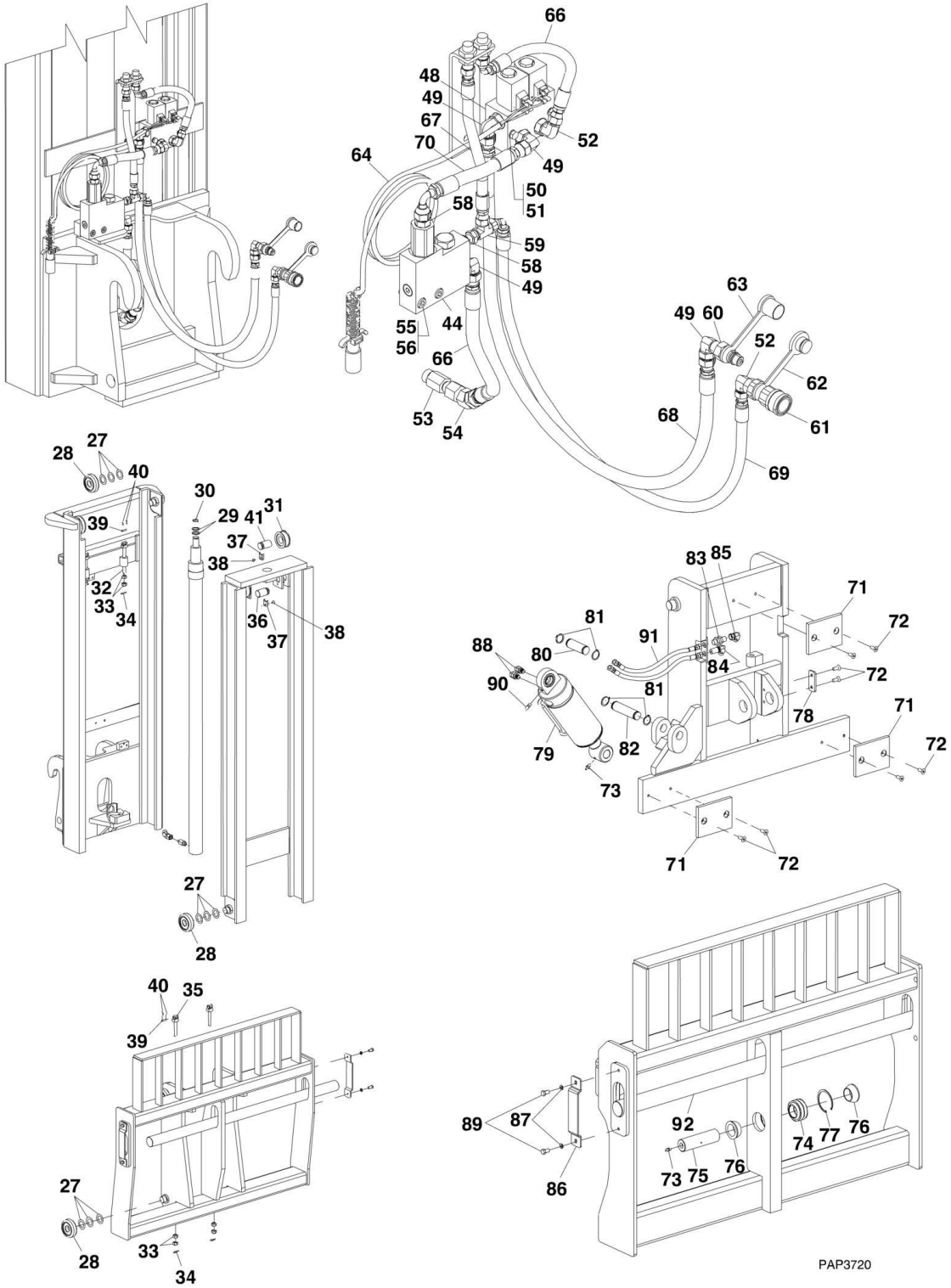
## FIGURE 3-12. MAST (8FT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001108668 | 1 | 8FT STANDARD MAST, (4,500lb), (includes all items) | C |
| 1 | Kit | 1 | WARNING DECAL | |
| 2 | Kit | 1 | WARNING DECAL | |
| 3 | Kit | 1 | NO STEP DECAL | |
| 4 | Kit | 1 | NO STEP DECAL | |
| 5 | Kit | 4 | HANDS OFF DECAL | |
| 6 | Kit | 2 | HOSE ROUTING DECAL | |
| 6 | 70023008 | 1 | MAIN LIFT CYLINDER, (includes items 7 thru 26) | |
| 7 | N.S.S. | 1 | ROD/PLUNGER | |
| 8 | Kit | 1 | O-RING | |
| 9 | Kit | 1 | PULL WIRE | |
| 10 | N.S.S. | 1 | SPACER | |
| 11 | N.S.S. | 2 | ROLL PIN | |
| 12 | N.S.S. | 1 | BARREL | |
| 13 | Kit | 1 | WIPER | |
| 14 | Kit | 1 | BUSHING | |
| 15 | N.S.S. | 1 | PISTON | |
| 16 | Kit | 1 | NYLON RING | |
| 17 | Kit | 1 | PISTON SEAL | |
| 18 | Kit | 1 | CHECK VALVE | |
| 19 | Kit | 1 | O-RING | |
| 20 | Kit | 1 | WASHER | |
| 21 | Kit | 1 | CIRCLIP | |
| 22 | N.S.S. | 1 | SLEEVE | |
| 23 | Kit | 1 | RETAINING RING | |
| 24 | Kit | 1 | WEAR RING | |
| 25 | Kit | 1 | ROD SEAL | |
| 26 | 70023004 | 1 | RETAINER/GLAND | |
| 27 | 70023014 | 24 | SHIM | |
| 28 | 70022987 | 8 | BALL BEARING | |
| 29 | Kit | 2 | WASHER SHIM | |
| 30 | 70023016 | 1 | SNAP RING | |
| 31 | 70022969 | 2 | SHEAVE ASSY | |
| 32 | 70022960 | 2 | CHAIN ANCHOR | |
| 33 | 70022957 | 8 | NUT, 0.625-18UNF | |
| 34 | 70022993 | 4 | COTTER PIN | |
| 35 | 70022995 | 2 | CHAIN ANCHOR | |
| 36 | 70022984 | 1 | SHEAVE SHAFT | |
| 37 | 70022970 | 2 | RETAINER BAR | |
| 38 | 70023003 | 2 | FLAT HD CAPSCREW | |
| 39 | 70022994 | 4 | CHAIN ANCHOR PIN | |
| 40 | 70022992 | 8 | COTTER PIN | |
| 41 | 70022985 | 1 | SHEAVE SHAFT | |
| 43 | 70023009 | 2 | LIFT CHAIN | |
| 44 | 70022932 | 1 | PO CHECK VALVE ASSY, (includes items 45 thru 47) | |
| 45 | N.S.S. | 1 | MANIFOLD | |
| 46 | 70022931 | 1 | PO CHECK VALVE CARTRIDGE | |
| 47 | 70023010 | 1 | PO CHECK | |
| 48 | 70022934 | 3 | FITTING, 90 | |
| 49 | 70022936 | 1 | FLOW LIMITER | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 50 | 70022937 | 1 | FITTING, 45 | |
| 51 | 70022949 | 2 | LOCKWASHER, M10 | |
| 52 | 70022950 | 2 | HEX SOCKET CAPSCREW | |
| 53 | 70022942 | 1 | HOSE ASSY | |
| 54 | 70022952 | 1 | HOSE ASSY | |
| 55 | 91403414 | 1 | MALE QUICK DISCONNECT COUPLING | |
| 56 | 91043126 | 1 | DUST CAP | |
| 58 | 70022939 | 1 | STRAIGHT FITTING, 6 | |
| 59 | 91403413 | 1 | FEMALE QUICK DISCONNECT COUPLING | |
| 60 | 91043125 | 1 | DUST PLUG | |
| 61 | 70022935 | 1 | STRAIGHT THREAD ELBOW | |
| 62 | 70022946 | 1 | HOSE ASSY | |
| 63 | 70022949 | 4 | LOCKWASHER, M10 | |
| 64 | 70022980 | 2 | FORK PIN KEEPER | |
| 65 | 70022998 | 4 | CAPSCREW, M10X20 | |
| 66 | 70022990 | 1 | FORK PIN | |
| 101 | N.S.S. | 1 | SN PLATE | |
| K1 | 70023925 | 1 | DECAL KIT, (includes items 1 thru 6) | |
| K2 | 70023005 | 1 | MAIN LIFT CYLINDER SEAL KIT, (includes items 8, 9, 13, 14, 16, 17, 19, 21 & 23 thru 25) | |
| K3 | 70023006 | 1 | CHECK VALVE KIT, (includes items 18 thru 21 & 23) | |
| K4 | 70023007 | 1 | SHIM KIT | |
| K5 | 70023015 | 1 | MAST COMMON PARTS KIT, (includes items 27 thru 41) | |

## FIGURE 3-13. MAST - SIDE TILT ELECTRIC MAST (8FT)




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## FIGURE 3-13. MAST - SIDE TILT ELECTRIC MAST (8FT)

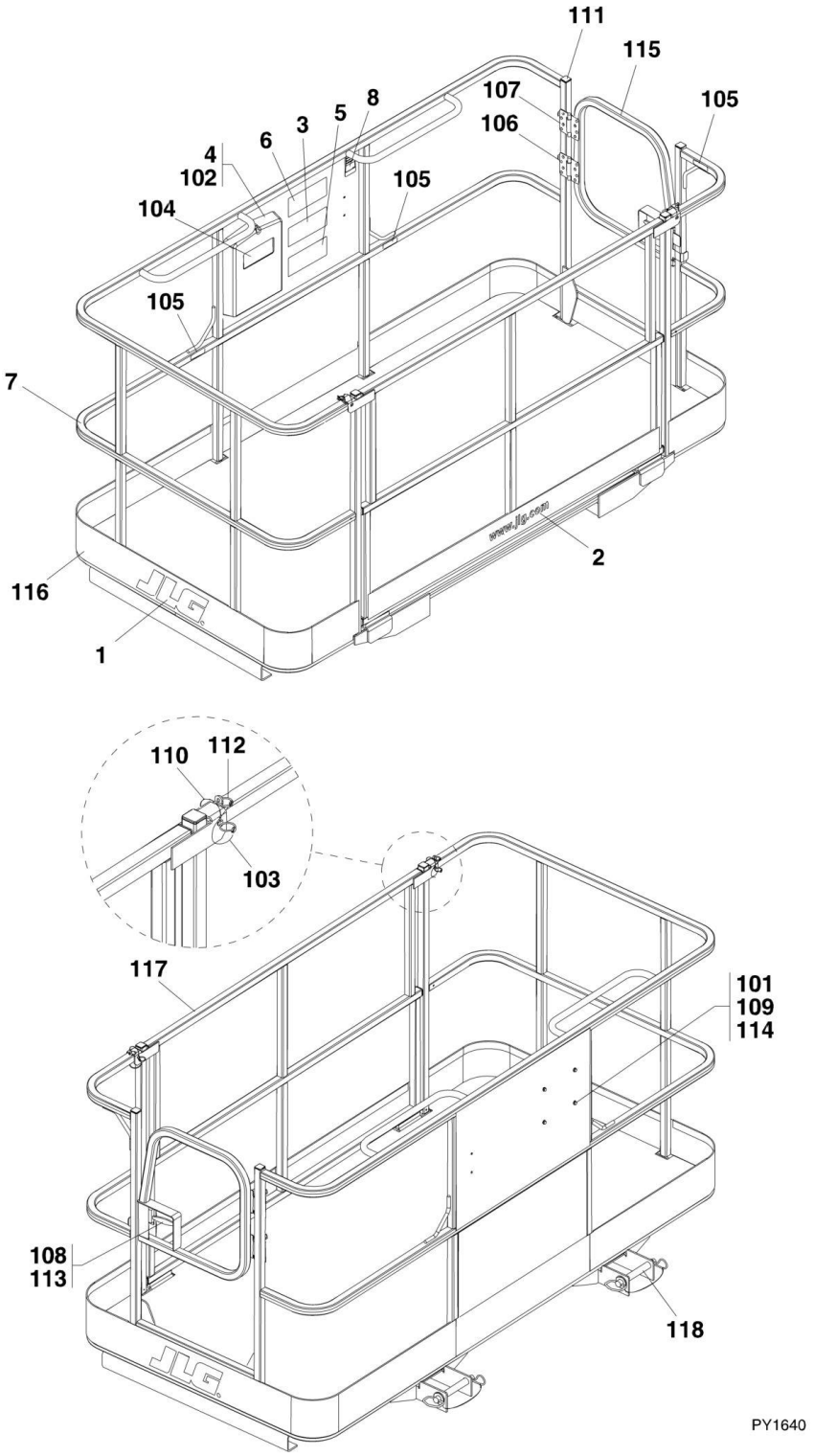
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001108669 | 1 | 8FT SIDE TILT ELECTRIC MAST, (includes all items) | C |
| 1 | Kit | 1 | WARNING DECAL | |
| 2 | Kit | 1 | WARNING DECAL | |
| 3 | Kit | 1 | NO STEP DECAL | |
| 4 | Kit | 1 | NO STEP DECAL | |
| 5 | Kit | 4 | HANDS OFF DECAL | |
| 6 | 1001111190 | 2 | HOSE ROUTING DECAL | |
| 6 | 70023008 | 1 | MAIN LIFT CYLINDER, (includes items 7 thru 26) | |
| 7 | N.S.S. | 1 | ROD/PLUNGER | |
| 8 | Kit | 1 | O-RING | |
| 9 | Kit | 1 | PULL WIRE | |
| 10 | N.S.S. | 1 | SPACER | |
| 11 | N.S.S. | 2 | ROLL PIN | |
| 12 | N.S.S. | 1 | BARREL | |
| 13 | Kit | 1 | WIPER | |
| 14 | Kit | 1 | BUSHING | |
| 15 | N.S.S. | 1 | PISTON | |
| 16 | Kit | 1 | NYLON RING | |
| 17 | Kit | 1 | PISTON SEAL | |
| 18 | Kit | 1 | CHECK VALVE | |
| 19 | Kit | 1 | O-RING | |
| 20 | Kit | 1 | WASHER | |
| 21 | Kit | 1 | CIRCLIP | |
| 22 | N.S.S. | 1 | SLEEVE | |
| 23 | Kit | 1 | RETAINING RING | |
| 24 | Kit | 1 | WEAR RING | |
| 25 | Kit | 1 | ROD SEAL | |
| 26 | 70023004 | 1 | RETAINER/GLAND | |
| 27 | 70023014 | 24 | SHIM | |
| 28 | 70022987 | 8 | BALL BEARING | |
| 29 | Kit | 2 | WASHER SHIM | |
| 30 | 70023016 | 1 | SNAP RING | |
| 31 | 70022969 | 2 | SHEAVE ASSY | |
| 32 | 70022960 | 2 | CHAIN ANCHOR | |
| 33 | 70022957 | 8 | NUT, 0.625-18UNF | |
| 34 | 70022993 | 4 | COTTER PIN | |
| 35 | 70022995 | 2 | CHAIN ANCHOR | |
| 36 | 70022984 | 1 | SHEAVE SHAFT | |
| 37 | 70022970 | 2 | RETAINER BAR | |
| 38 | 70023003 | 2 | FLAT HD CAPSCREW | |
| 39 | 70022994 | 4 | CHAIN ANCHOR PIN | |
| 40 | 70022992 | 8 | COTTER PIN | |
| 41 | 70022985 | 1 | SHEAVE SHAFT | |
| 43 | 70023009 | 2 | LIFT CHAIN | |
| 44 | 70022932 | 1 | PO CHECK VALVE ASSY, (includes items 45 thru 47) | |
| 45 | N.S.S. | 1 | MANIFOLD | |
| 46 | 70022931 | 1 | PO CHECK VALVE CARTRIDGE | |
| 47 | 70023010 | 1 | PO CHECK | |
| 48 | 70022933 | 1 | SOLENOID VALVE BANK | |
| 49 | 70022934 | 4 | FITTING, 90 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 50 | 70022948 | 2 | LOCKWASHER, M8 | |
| 51 | 70022951 | 2 | CAPSCREW, M8X60 | |
| 52 | 70022935 | 2 | STRAIGHT THREAD ELBOW | |
| 53 | 70022936 | 1 | FLOW LIMITER | |
| 54 | 70022937 | 1 | FITTING, 45 | |
| 55 | 70022949 | 2 | LOCKWASHER, M10 | |
| 56 | 70022950 | 2 | HEX SOCKET CAPSCREW | |
| 57 | 70022938 | 1 | STRAIGHT FITTING | |
| 58 | 70022939 | 1 | STRAIGHT FITTING, #6 | |
| 59 | 70022940 | 1 | TEE FITTING | |
| 60 | 91403414 | 1 | MALE QUICK DISCONNECT COUPLING | |
| 61 | 91403413 | 1 | FEMALE QUICK DISCONNECT COUPLING | |
| 62 | 91043125 | 1 | DUST PLUG | |
| 63 | 91043126 | 1 | DUST CAP | |
| 64 | 70022941 | 1 | HARNESS | |
| 65 | 70022942 | 1 | HOSE ASSY | |
| 66 | 70022943 | 1 | HOSE ASSY | |
| 67 | 70022944 | 1 | HOSE ASSY | |
| 68 | 70022945 | 1 | HOSE ASSY | |
| 69 | 70022946 | 1 | HOSE ASSY | |
| 70 | 70022947 | 1 | HOSE ASSY | |
| 71 | 70022972 | 3 | WEAR PAD | |
| 72 | 70022971 | 8 | FLAT HD CAPSCREW | |
| 73 | 70023001 | 2 | GREASE FITTING | |
| 74 | 70022975 | 1 | BEARING | |
| 75 | 70022973 | 1 | PIVOT SHAFT | |
| 76 | 70022974 | 2 | BEVELED SPACER | |
| 77 | 70022988 | 1 | RETAINING RING | |
| 78 | 70022976 | 1 | RETAINER PLATE | |
| 79 | 2716143 | 1 | TILT CYLINDER | |
| 80 | 70022977 | 1 | PIN, 128.1mm | |
| 81 | 70023016 | 4 | SNAP RING, 1-1/4 | |
| 82 | 70022978 | 1 | PIN, 128.1mm | |
| 83 | 70023000 | 1 | BULKHEAD UNION, (with locknut) | |
| 84 | 70022999 | 1 | BULKHEAD UNION ELBOW | |
| 85 | 70022982 | 1 | STRAIGHT THREAD ELBOW | |
| 86 | 70022980 | 2 | FORK PIN KEEPER | |
| 87 | 70022949 | 4 | LOCKWASHER, M10 | |
| 88 | 70022991 | 2 | STRAIGHT THREAD ELBOW, 90 | |
| 89 | 70022998 | 4 | CAPSCREW, M10X20 | |
| 90 | 70022966 | 1 | GREASE FITTING | |
| 91 | 70022979 | 2 | HOSE ASSY | |
| 92 | 70022990 | 1 | FORK PIN | |
| 93 | 70022965 | 1 | SHEAVE | |
| 94 | 70022997 | 1 | LOCKWASHER, M12 | |
| 95 | 70022967 | 4 | HOSE CLAMP | |
| 96 | 70022962 | 1 | BAR ASSY | |
| 97 | 70023002 | 4 | CAPSCREW, M6X25 | |
| 98 | 70022949 | 5 | LOCKWASHER, M10 | |
| 99 | 70022958 | 3 | CAPSCREW, M10X20 | |
| 100 | 70022961 | 1 | SHAFT | |

# SECTION 3 - ATTACHMENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 101 | 70022959 | 1 | WASHER | |
| 102 | 70022989 | 1 | RETAINING RING | |
| 103 | 70022964 | 1 | CAPSCREW, M12X55 | |
| 104 | 70022981 | 1 | IHR BRACKET | |
| 105 | 70022968 | 1 | HOSE CLAMP BAR | |
| 106 | 70023011 | 1 | IHR BRACKET | |
| 107 | 70022983 | 1 | TERMINATION BRACKET | |
| 108 | 70023000 | 2 | BULKHEAD UNION AND LOCKNUT | |
| 109 | 70022996 | 3 | CAPSCREW, M10X16 | |
| 110 | 70022963 | 2 | HOSE ASSY, (not shown) | |
| 201 | N.S.S. | 1 | SN PLATE | |
| K1 | 70023925 | 1 | DECAL KIT, (includes items 1 thru 6) | |
| K2 | 70023005 | 1 | MAIN LIFT CYLINDER SEAL KIT, (includes items 8, 9, 13, 14, 16, 17, 19, 21 & 23 thru 25) | |
| K3 | 70023006 | 1 | CHECK VALVE KIT, (includes items 18 thru 21 & 23) | |
| K4 | 70023007 | 1 | SHIM KIT | |
| K5 | 70023015 | 1 | MAST COMMON PARTS KIT, (includes items 27 thru 41) | |
| K6 | 8035831 | 1 | TILT CYLINDER SEAL KIT | |
| K7 | 70023013 | 1 | IHR COMMON PARTS KIT, (includes items 93 thru 109) | |
| K8 | 70022986 | 1 | IHR KIT, (includes items 93 thru 110) | |

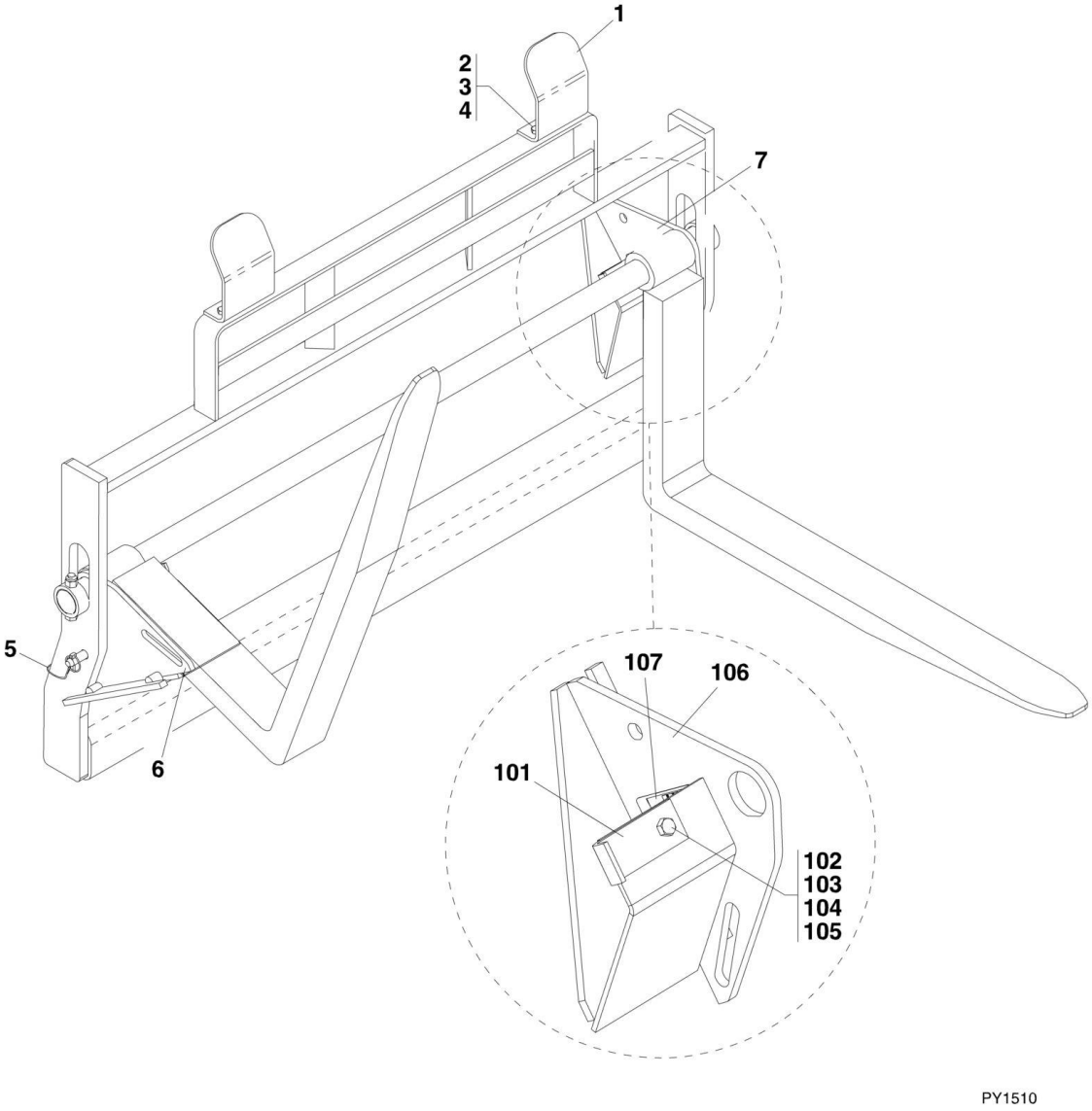
## FIGURE 3-14. PLATFORM - FORK MOUNTED



## FIGURE 3-14. PLATFORM - FORK MOUNTED

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001103637 | 1 | FORK MOUNTED PERSONNEL PLATFORM, (ASME), (includes all items) | D |
| | 1001103730 | 1 | FORK MOUNTED PERSONNEL PLATFORM, (ISO), (includes all items) | D |
| | 1001103736 | 1 | FORK MOUNTED PERSONNEL PLATFORM, (FRENCH), (includes all items) | D |
| 1 | 1702773 | 2 | JLG DECAL | |
| 2 | 1704885 | 1 | WEBSITE DECAL | |
| 3 | 1706892 | 1 | PLATFORM WARNING DECAL, (ASME) | |
| 3 | 1001096025 | 1 | PLATFORM WARNING DECAL, (ISO) | |
| 3 | 1001096024 | 1 | PLATFORM WARNING DECAL, (FRENCH) | |
| 4 | 31200160 | 1 | OPERATION AND SAFETY MANUAL, (ASME) | |
| 4 | 31200387 | 1 | OPERATION AND SAFETY MANUAL, (SPANISH) | |
| 4 | 31200388 | 1 | OPERATION AND SAFETY MANUAL, (PORTUGUESE) | |
| 4 | 31200336 | 1 | OPERATION AND SAFETY MANUAL, (FRENCH) | |
| 5 | 1001092481 | 1 | WARNING DECAL, (ASME) | |
| 5 | 1001096021 | 1 | WARNING DECAL, (ISO) | |
| 5 | 1001096019 | 1 | WARNING DECAL, (FRENCH) | |
| 6 | 1001092482 | 1 | CAPACITY DECAL, (ASME) | |
| 6 | 1001096023 | 1 | CAPACITY DECAL, (ISO) | |
| 6 | 1001096020 | 1 | CAPACITY DECAL, (FRENCH) | |
| 7 | 1001096162 | 1 | FORK MOUNTED PLATFORM, (includes items 101 thru 118) | J |
| 8 | N.S.S. | 1 | SN PLATE | |
| 101 | 0641405 | 4 | HEX HD CAPSCREW, 1/4-20X5/8 | |
| 102 | 0860520 | 1 | MANUAL STORAGE BOX | |
| 103 | 1060379 | 2 | LANYARD CABLE | |
| 104 | 1701509 | 1 | MANUAL DECAL | |
| 105 | 1704277 | 3 | LANYARD ATTACH DECAL | |
| 106 | 2080040 | 16 | FASTENER | |
| 107 | 2600281 | 2 | HINGE | |
| 108 | 2940074 | 1 | LATCH | |
| 109 | 3311405 | 4 | HEX LOCKNUT, 1/4-20 | |
| 110 | 3421453 | 2 | PIN | |
| 111 | 3520072 | 10 | PLUG | |
| 112 | 3760170 | 4 | RING | |
| 113 | 3820020 | 4 | RIVET | |
| 114 | 4711400 | 8 | WASHER, 1/4 | |
| 115 | 4846452 | 1 | GATE WELDMENT | |
| 116 | N.S.S. | 1 | PLATFORM | |
| 117 | 1001095810 | 1 | GATE WELDMENT | |
| 118 | 1001102813 | 2 | HITCH PIN | |

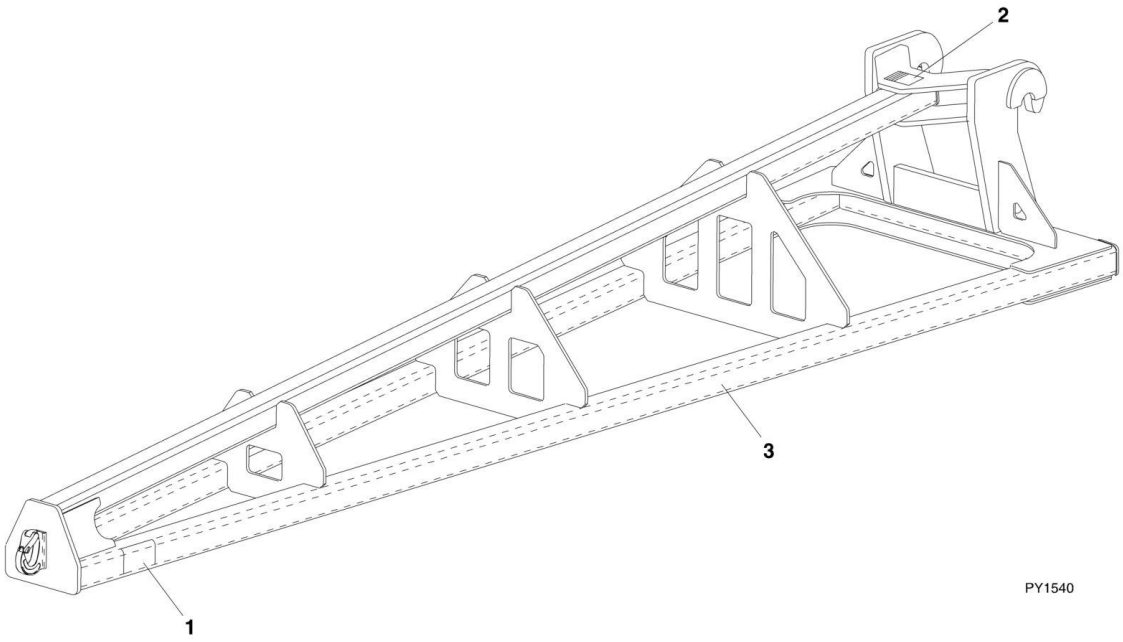
## FIGURE 3-15. SHEET MATERIAL HANDLER ASSEMBLY



## FIGURE 3-15. SHEET MATERIAL HANDLER ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100227 | 1 | SHEET MATERIAL HANDLER ASSEMBLY, (includes all items) | A |
| 1 | 7112642 | 2 | BACKREST EXTENSION | |
| 2 | 8303626 | 4 | HEX HD CAPSCREW, 1/2-13X1-1/2 GR5 | |
| 3 | 8305012 | 4 | HEX NUT, 1/2-13 | |
| 4 | 8307007 | 4 | LOCKWASHER, 1/2 | |
| 5 | 1001093377 | 2 | HITCH PIN | |
| 6 | 1001101115 | 1 | RH FORK SUPPORT ASSEMBLY, (includes items 101 thru 107) | B |
| 7 | 1001101116 | 1 | LH FORK SUPPORT ASSEMBLY, (includes items 101 thru 107) | C |
| 101 | 7114941 | 1 | LOCK BAR | |
| 102 | 8303626 | 1 | HEX HD CAPSCREW, 1/2-13X1-1/2, GR5 | |
| 103 | 8305644 | 1 | HEX LOCKNUT, 1/2-13 | |
| 104 | 8307007 | 1 | LOCKWASHER, 1/2 | |
| 105 | 8307112 | 1 | WASHER, 1/2 | |
| 106 | 1001100228 | 1 | RH FORK SUPPORT, (not shown) | |
| 106 | 1001100229 | 1 | LH FORK SUPPORT, (shown) | |
| 107 | N.S.S. | 1 | SN PLATE | |

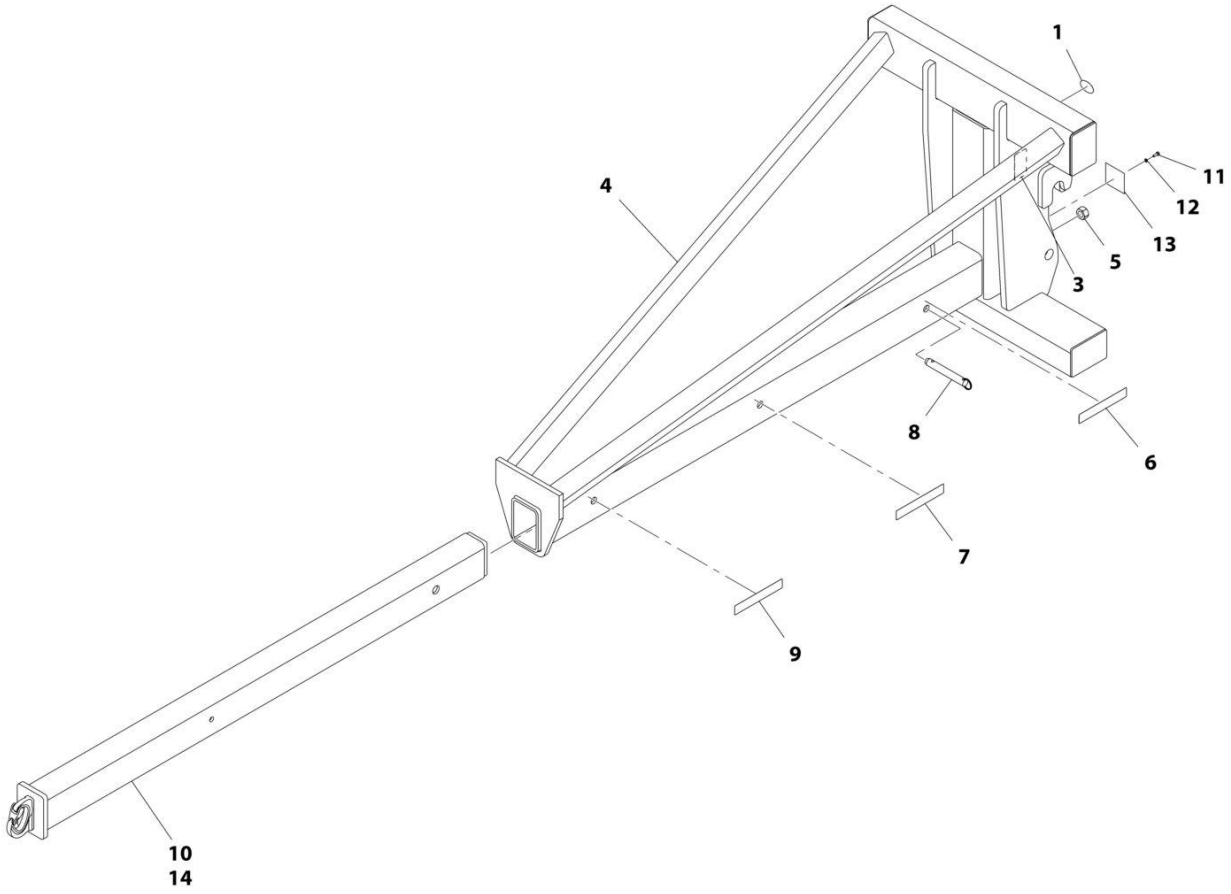
**FIGURE 3-16. TRUSS BOOM**



## FIGURE 3-16. TRUSS BOOM

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

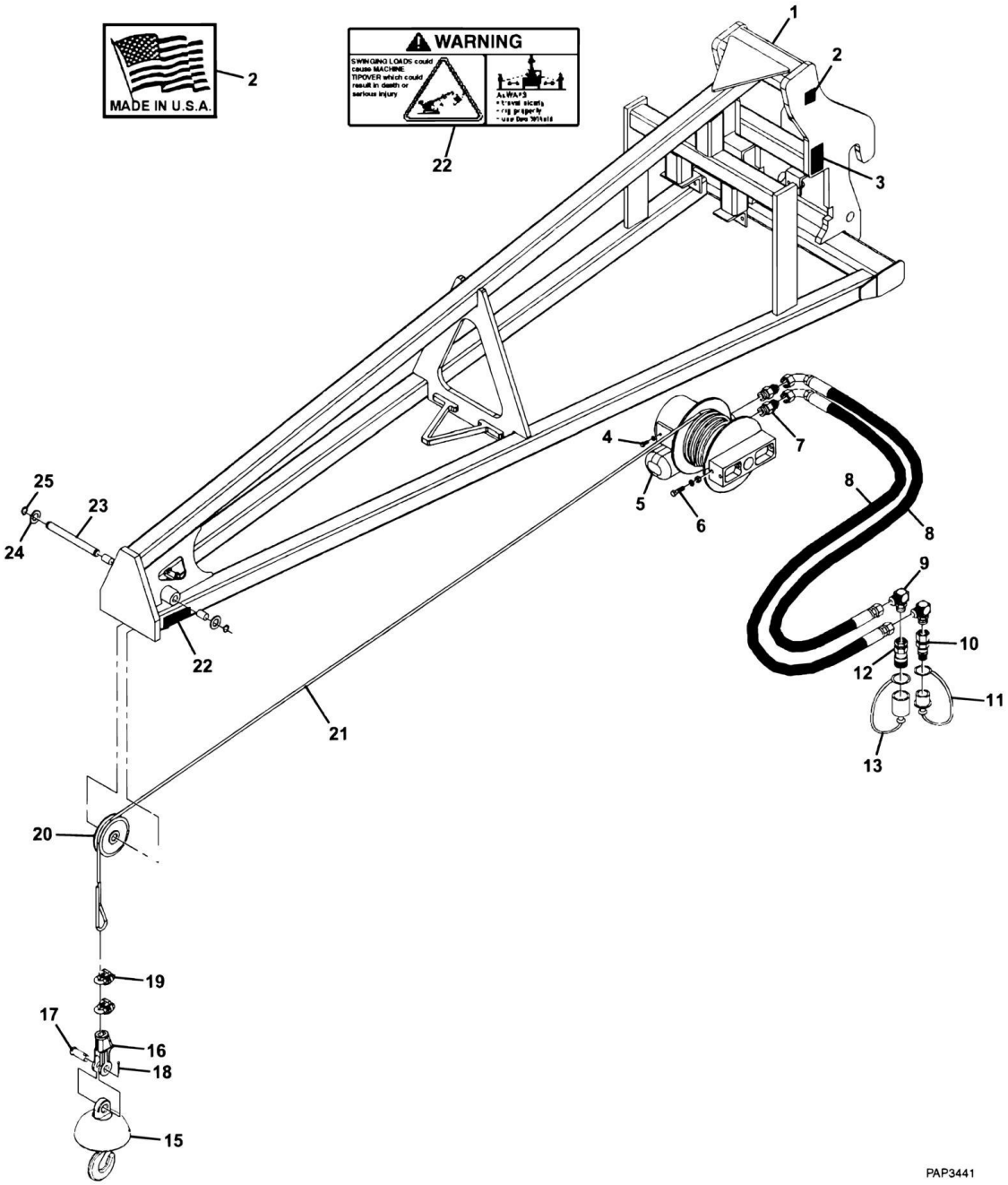
## FIGURE 3-17. TRUSS BOOM - ADJUSTABLE



## FIGURE 3-17. TRUSS BOOM - ADJUSTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001176515 | 1 | ADJUSTABLE TRUSS BOOM | A |
| 1 | 90554016 | 1 | DECAL, MADE IN USA | |
| 3 | N.S.S. | 1 | SN PLATE | |
| 4 | N.S.S. | 1 | TRUSS BOOM, ADJUSTABLE | |
| 5 | 70021440 | 1 | NUT, LOCK | |
| 6 | 70024062 | 2 | DECAL, 4000 LBS CAP | |
| 7 | 70026944 | 2 | DECAL, 3000 LBS CAP | |
| 8 | 70026946 | 1 | PIN | |
| 9 | 70026699 | 2 | DECAL, 2000 LBS CAP | |
| 10 | 70026747 | 1 | STOP ROD, BOOM EXTENSION | |
| 11 | 90554033 | 1 | BOLT, 3/4X1/4 | |
| 12 | 90554034 | 1 | WASHER, LOCK 1/4 | |
| 13 | 70026948 | 1 | PLATE, STOP | |
| 14 | 70026949 | 1 | BOOM, TELESCOPIC | |

## FIGURE 3-18. TRUSS BOOM WITH WINCH (12FT)



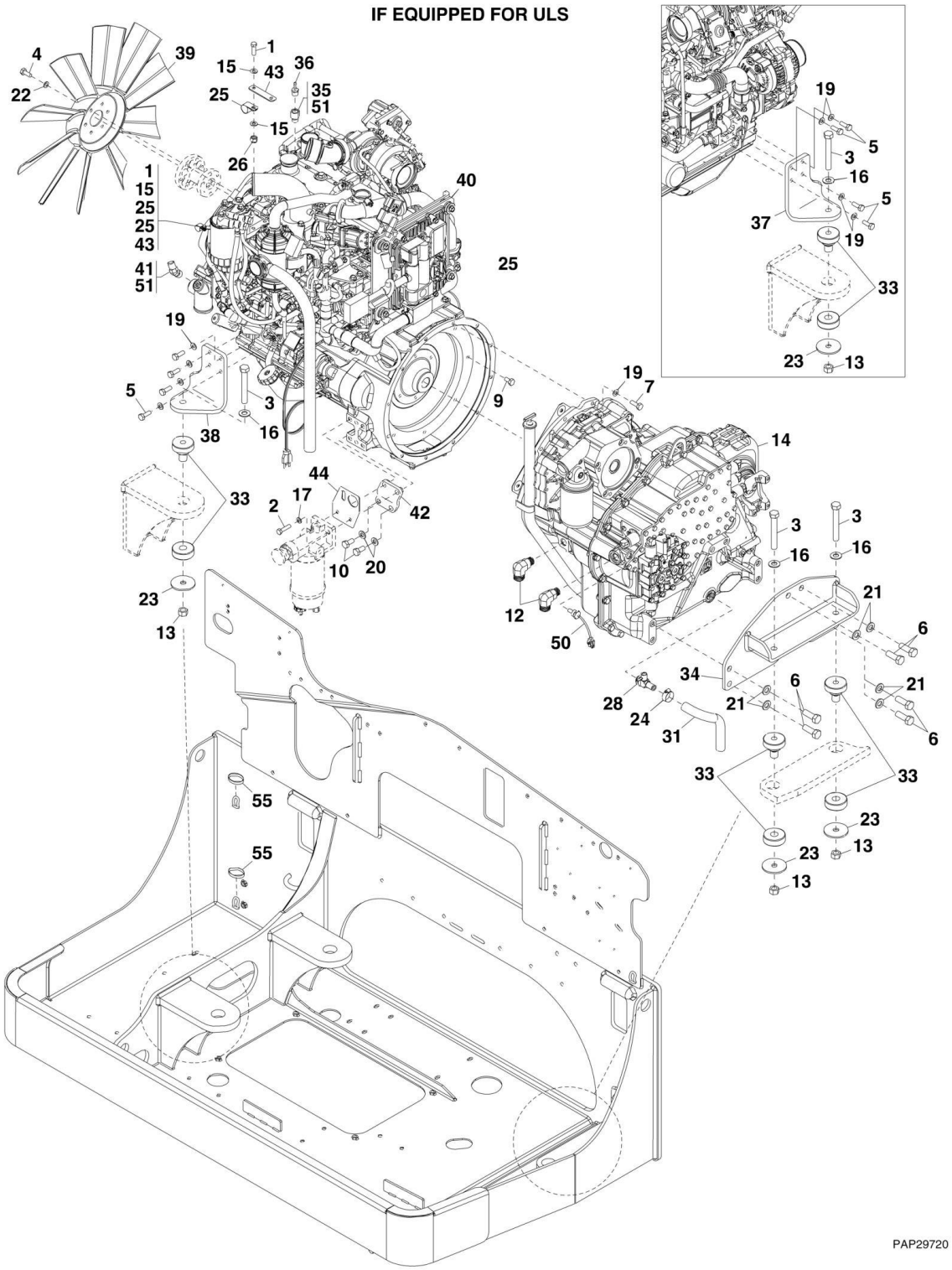
## FIGURE 3-18. TRUSS BOOM WITH WINCH (12FT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001099351 | 1 | 12FT TRUSS BOOM WITH WINCH, (includes all items) | G |
| 1 | N.S.S. | 1 | TRUSS BOOM FRAME | |
| 2 | 90554016 | 1 | MADE IN USA DECAL | |
| 3 | N.S.S. | 1 | SN PLATE | |
| 4 | 70021349 | 4 | HEX HD CAPSCREW, 3/8X1 | |
| 4 | 90554042 | 4 | LOCKWASHER, 3/8 | |
| 5 | 70021921 | 1 | TRUSS BOOM WINCH MOTOR | |
| 6 | N.S.S. | 2 | HEX HD CAPSCREW, 1/2X1-3/4 | |
| 6 | 90554020 | 2 | LOCKWASHER, 1/2 | |
| 6 | 90554054 | 2 | HEX NUT, 1/2 | |
| 7 | 70021415 | 2 | CONNECTOR | |
| 8 | 70021977 | 1 | HOSE 32IN (BOOM FRONT DISCONNECT) | |
| 8 | 70031445 | 1 | HOSE 48IN (BOOM SIDE DISCONNECT) | |
| 9 | N.S.S. | 2 | ELBOW, 90 | |
| 10 | 7029692 | 1 | MALE QUICK COUPLER | |
| 11 | 90554062 | 1 | DUST CAP | |
| 12 | 70021342 | 1 | FEMALE QUICK COUPLER | |
| 13 | 90554076 | 1 | DUST COVER | |
| 14 | 70021387 | 2 | CLAMP | |
| 15 | 70021978 | 1 | BALL SWIVEL W/SAFETY HOOK | |
| 16 | 70021979 | 1 | SOCKET ASSY | |
| 17 | N.S.S. | 1 | PIN | |
| 18 | N.S.S. | 1 | COTTER PIN | |
| 19 | N.S.S. | 2 | CLAMP | |
| 20 | 70021935 | 1 | PULLEY | |
| 21 | 70022028 | 1 | CABLE | |
| 22 | 4110422 | 2 | WARNING SWINGING LOADS DECAL | |
| 23 | N.S.S. | 1 | PIN | |
| 24 | N.S.S. | 2 | FLAT WASHER, 1 | |
| 25 | N.S.S. | 2 | SNAP RING | |

# SECTION 4 - ENGINE AND ATTACHING PARTS

# SECTION 4 - ENGINE AND ATTACHING PARTS

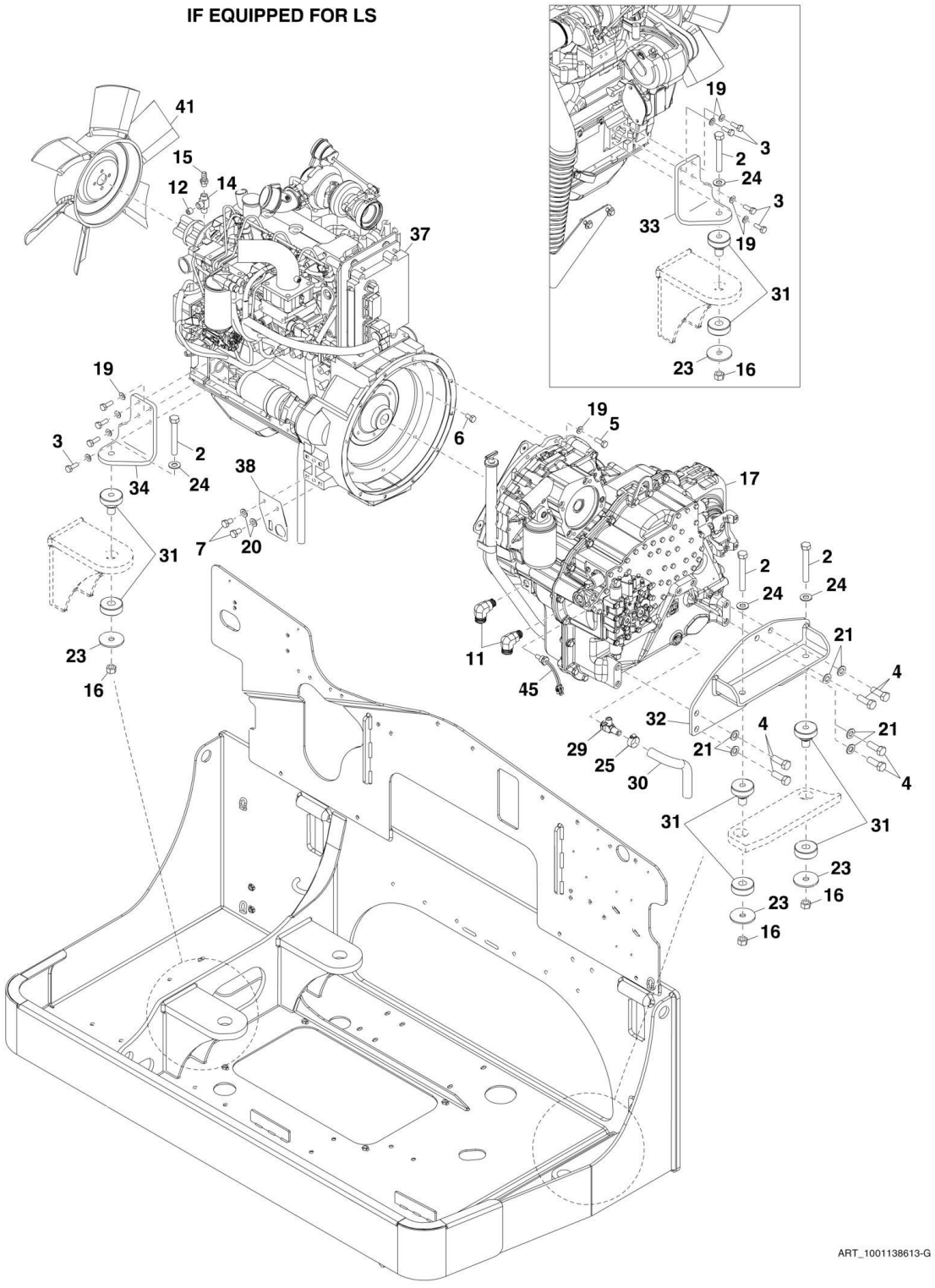
## FIGURE 4-1. ENGINE INSTALLATION IF EQUIPPED FOR ULS



## FIGURE 4-1. ENGINE INSTALLATION IF EQUIPPED FOR ULS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131859 | Ref | ENGINE INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 55 for service) | J |
| 1 | 0641607 | 2 | HEX HD CAPSCREW, 3/8-16X7/8 | |
| 2 | 0641612 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/2, GR5 | |
| 3 | 0682036 | 4 | HEX HD CAPSCREW, 5/8-11X4-1/2, GR8 | |
| 4 | 0701012 | 6 | HEX HD CAPSCREW, M10X25, GR8.8 | |
| 5 | 0701014 | 8 | HEX HD CAPSCREW, M10X30, GR8.8 | |
| 6 | 0701617 | 6 | HEX HD CAPSCREW, M16X45, GR8.8 | |
| 7 | 0711014 | 12 | HEX HD CAPSCREW, M10X30, GR10.9 | |
| 9 | 0761010 | 4 | HEX HD CAPSCREW, M10X20, GR8.8 | |
| 10 | 0761212 | 2 | HEX HD CAPSCREW, M12X25, GR8.8 | |
| 12 | 2131210 | 2 | ADAPTER, 90, (includes o-ring) | |
| 13 | 3272001 | 4 | HEX LOCKNUT, 5/8-11, GR8 | |
| 14 | | Ref | TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown) | |
| 15 | 4711600 | 2 | WASHER, 3/8 | |
| 16 | 8307107 | 4 | WASHER, 3/8 | |
| 17 | 4761600 | 2 | LOCKWASHER, 3/8 | |
| 19 | 4812000 | 20 | WASHER, 10mm | |
| 20 | 4812100 | 2 | WASHER, 12mm | |
| 21 | 4812300 | 6 | WASHER, 16mm | |
| 22 | 4832000 | 6 | LOCKWASHER, 10mm | |
| 23 | 7300435 | 4 | REBOUND WASHER | |
| 24 | 8405007 | 1 | GEAR CLAMP, 1-1/4 | |
| 25 | 8406303 | 1 | TUBE CLIP, 1-3/16 | |
| 26 | 3311605 | 1 | HEX LOCKNUT, 3/8-16, GR2 | |
| 28 | 1001097053 | 1 | OIL DRAIN VALVE | |
| 31 | 1001109536 | 1 | DRAIN HOSE | |
| 33 | 1001121309 | 4 | MOUNT | |
| 34 | 1001121883 | 1 | TRANSMISSION MOUNTING BRACKET | |
| 35 | 1001122801 | 1 | ADAPTER, STRAIGHT | |
| 36 | 1001122807 | 1 | HOSE BARB COUPLING | |
| 37 | 1001129578 | 1 | LH FRONT ENGINE BRACKET | |
| 38 | 1001129579 | 1 | RH FRONT ENGINE BRACKET | |
| 39 | 1001129824 | 1 | SUCTION FAN | |
| 40 | | Ref | ENGINE, (See ENGINE for Breakdown) | |
| 41 | 1001133871 | 1 | ELBOW, 45 | |
| 42 | 1001134932 | 1 | FUEL FILTER BRACKET | |
| 43 | 1001135585 | 1 | COOLANT FILL HOSE BRACKET | |
| 44 | 1001135602 | 1 | ELECTRICAL DIAGNOSTIC BRACKET | |
| 50 | 1001147072 | 1 | OIL TEMPERATURE SWITCH | |
| 51 | 0100020 | AR | LOCTITE 567 | |
| 55 | 4240018 | 2 | PLASTIC TIE STRAP | |

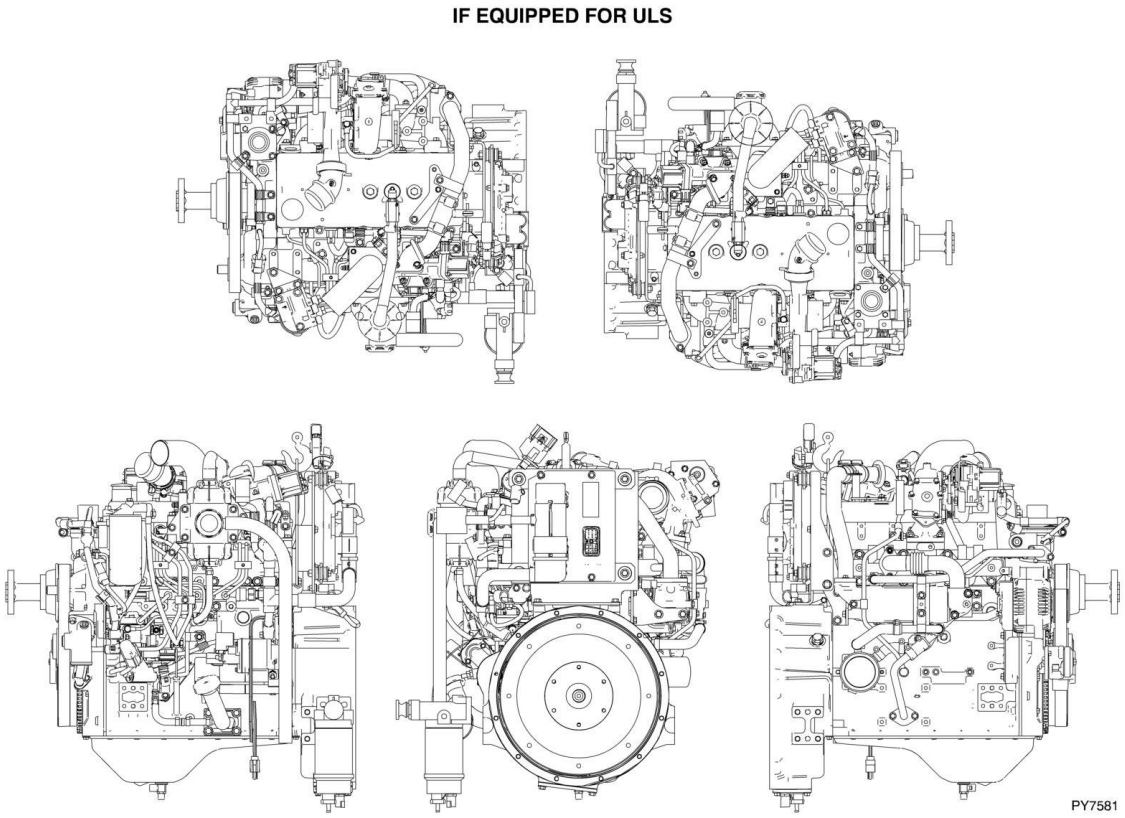
## FIGURE 4-2. ENGINE INSTALLATION IF EQUIPPED FOR LS



## FIGURE 4-2. ENGINE INSTALLATION IF EQUIPPED FOR LS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138613 | Ref | ENGINE INSTALLATION, (if equipped for LS), (not available to order, see items 2 thru 45 for service) | G |
| 2 | 0682036 | 4 | HEX HD CAPSCREW, 5/8-11X4-1/2, GR8 | |
| 3 | 0701014 | 8 | HEX HD CAPSCREW, M10X30, GR8.8 | |
| 4 | 0701617 | 6 | HEX HD CAPSCREW, M16X45, GR8.8 | |
| 5 | 0711014 | 12 | HEX HD CAPSCREW, M10X30, GR10.9 | |
| 6 | 0761010 | 5 | HEX HD CAPSCREW, M10X20, GR8.8 | |
| 7 | 0761210 | 2 | HEX HD CAPSCREW, M12X20, GR8.8 | |
| 11 | 2131210 | 2 | ADAPTER, 90, (includes o-ring) | |
| 12 | 2200233 | 1 | DRAIN PLUG | |
| 14 | 2220444 | 1 | TEE FITTING | |
| 15 | 2220806 | 1 | STRAIGHT FITTING | |
| 16 | 3272001 | 4 | HEX LOCKNUT, 5/8-11, GR8 | |
| 17 | | Ref | TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown) | |
| 19 | 4812000 | 20 | WASHER, 10mm | |
| 20 | 4812100 | 2 | WASHER, 12mm | |
| 21 | 4812300 | 6 | WASHER, 16mm | |
| 23 | 7300435 | 4 | REBOUND WASHER | |
| 24 | 8307107 | 4 | WASHER, 3/8 | |
| 25 | 8405007 | 1 | GEAR CLAMP, 1-1/4 | |
| 29 | 1001097053 | 1 | OIL DRAIN VALVE | |
| 30 | 1001109536 | 1 | DRAIN HOSE | |
| 31 | 1001121309 | 4 | MOUNT | |
| 32 | 1001121883 | 1 | TRANSMISSION MOUNTING BRACKET | |
| 33 | 1001129578 | 1 | LH FRONT ENGINE BRACKET | |
| 34 | 1001129579 | 1 | RH FRONT ENGINE BRACKET | |
| 37 | | Ref | ENGINE, (See ENGINE for Breakdown) | |
| 38 | 1001135602 | 1 | ELECTRICAL DIAGNOSTIC BRACKET | |
| 41 | 1001138615 | 1 | SUCTION FAN | |
| 45 | 1001147072 | 1 | OIL TEMPERATURE SWITCH | |

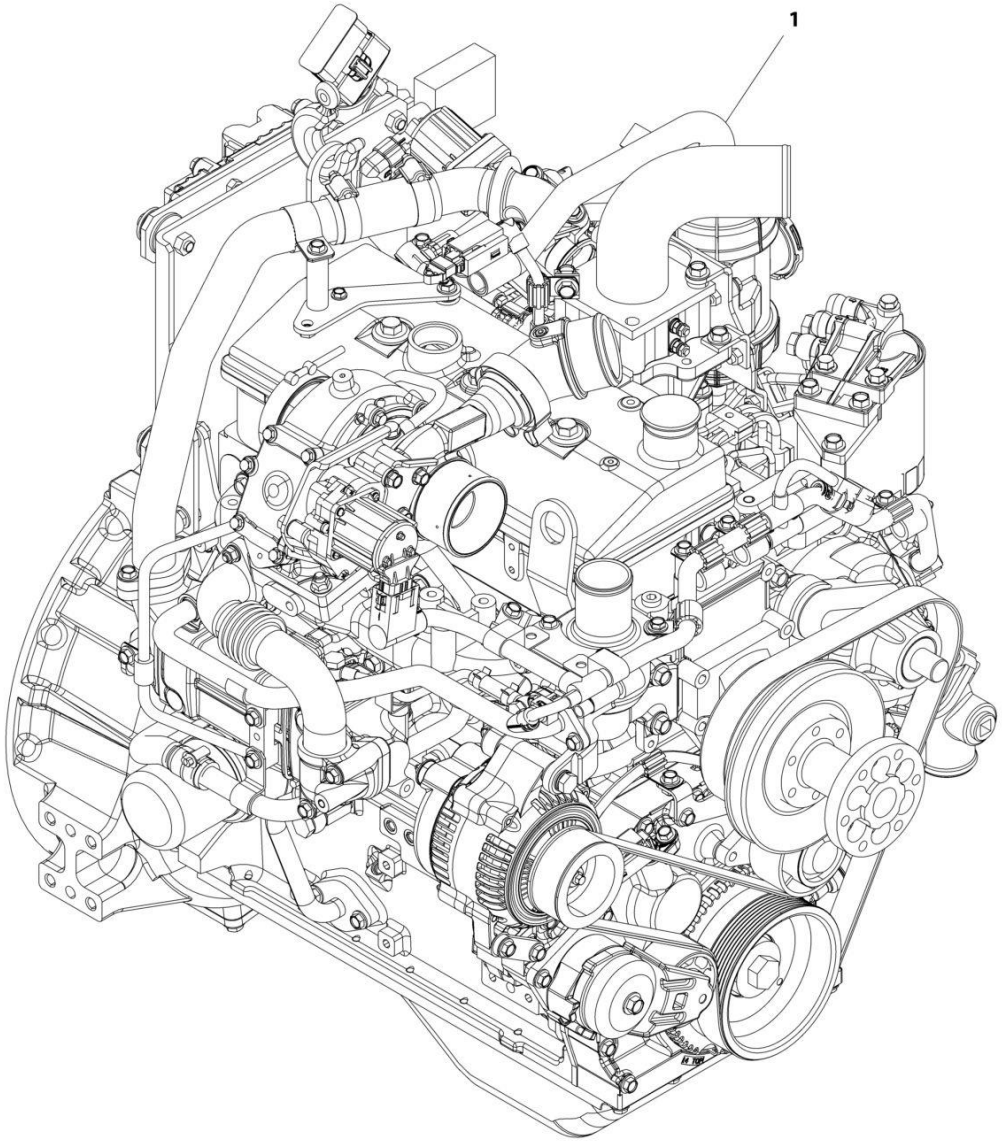
## FIGURE 4-3. ENGINE IF EQUIPPED FOR ULS (Prior to SN 0160069037)



## FIGURE 4-3. ENGINE IF EQUIPPED FOR ULS (Prior to SN 0160069037)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131807 | 1 | CUMMINS ENGINE, 3.3L, (if equipped for ULS), (includes all items) | D |
| | 70024274 | 1 | FAN BELT | |
| | 70024385 | 1 | FAN SPACER | |
| | 70024276 | 1 | ALTERNATOR | |
| | 70024277 | 1 | STARTER | |
| | 70024278 | 1 | OIL FILTER ELEMENT | |
| | 70021854 | 1 | DIPSTICK | |
| | 70023793 | 1 | DIPSTICK TUBE | |
| | 70022843 | 1 | OIL FILL CAP | |
| | 70024281 | 1 | THERMOSTAT | |
| | 70023950 | 1 | PRIMARY FUEL FILTER ASSY, (includes filter, bowl and head) | |
| | 70021851 | 1 | FUEL/WATER SEPARATOR FILTER ELEMENT | |
| | 70022846 | 1 | SECONDARY FUEL FILTER ELEMENT | |
| | 70022844 | 1 | OIL PAN PLUG | |
| | 70024284 | 1 | CRANKCASE VENT FILTER ELEMENT | |
| | 70023807 | 1 | AIR INTAKE HEATER | |
| | 70023791 | 1 | AIR INTAKE HEATER GASKET | |
| | 70023794 | 1 | OIL PAN | |
| | 70022845 | 1 | OIL PAN PLUG GASKET | |

**FIGURE 4-4. ENGINE IF EQUIPPED FOR ULS (SN 0160069037 to Present)**

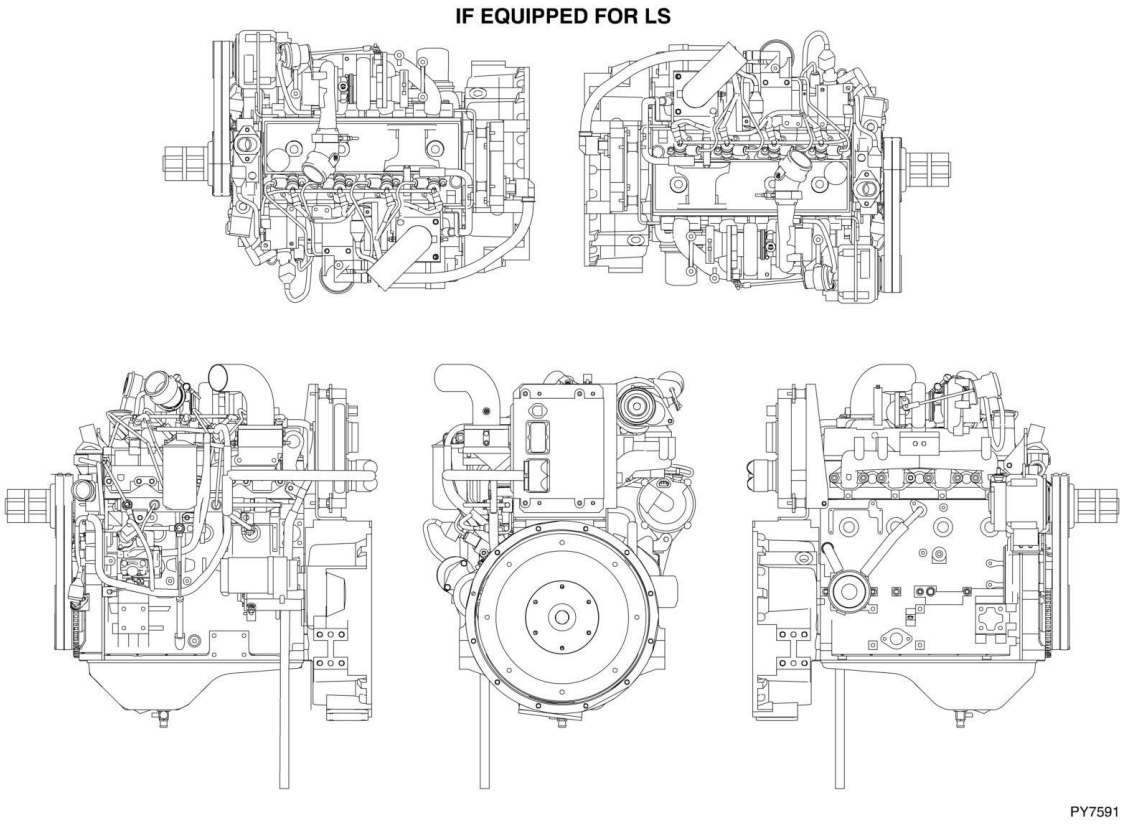



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## FIGURE 4-4. ENGINE IF EQUIPPED FOR ULS (SN 0160069037 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182931 | 1 | CUMMINS ENGINE, 3.3L, (if equipped for ULS) | A |
| | 70024274 | 1 | FAN BELT | |
| | 70024385 | 1 | FAN SPACER | |
| | 70024276 | 1 | ALTERNATOR | |
| | 70024277 | 1 | STARTER | |
| | 8036204 | 1 | OIL FILTER ELEMENT | |
| | 70021854 | 1 | DIPSTICK | |
| | 70023793 | 1 | DIPSTICK TUBE | |
| | 70022843 | 1 | OIL FILL CAP | |
| | 70024281 | 1 | THERMOSTAT | |
| | 70023950 | 1 | PRIMARY FUEL FILTER ASSY, (includes filter, bowl and head) | |
| | 70021851 | 1 | FUEL/WATER SEPARATOR FILTER ELEMENT | |
| | 70022846 | 1 | SECONDARY FUEL FILTER ELEMENT | |
| | 70022844 | 1 | OIL PAN PLUG | |
| | 70027104 | 1 | CRANKCASE VENT FILTER ELEMENT | |
| | 70023807 | 1 | AIR INTAKE HEATER | |
| | 70023791 | 1 | AIR INTAKE HEATER GASKET | |
| | 70023794 | 1 | OIL PAN | |
| | 70022845 | 1 | OIL PAN PLUG GASKET | |

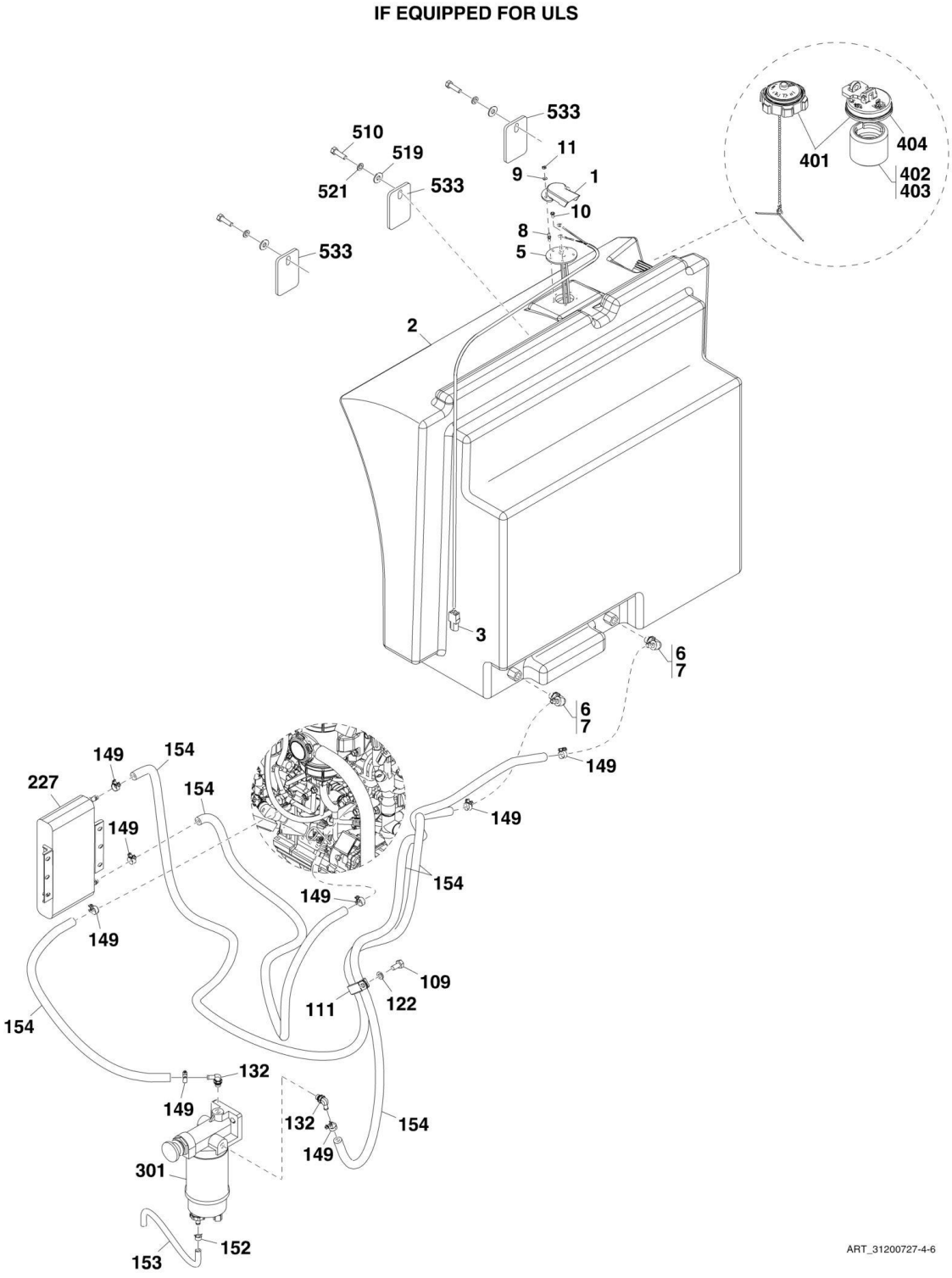
## FIGURE 4-5. ENGINE IF EQUIPPED FOR LS



## FIGURE 4-5. ENGINE IF EQUIPPED FOR LS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001134415 | 1 | CUMMINS ENGINE, 3.3L, (if equipped for LS), (includes all items) | C |
| | 70024285 | 1 | FAN BELT | |
| | 70024385 | 1 | FAN SPACER | |
| | 70021849 | 1 | ALTERNATOR | |
| | 70021850 | 1 | STARTER | |
| | 8036204 | 1 | OIL FILTER ELEMENT | |
| | 70021854 | 1 | DIPSTICK | |
| | 70023565 | 1 | DIPSTICK TUBE | |
| | 70022842 | 1 | OIL FILL CAP | |
| | 70024286 | 1 | THERMOSTAT | |
| | 70022846 | 1 | SECONDARY FUEL FILTER ELEMENT | |
| | 70022844 | 1 | OIL PAN PLUG | |

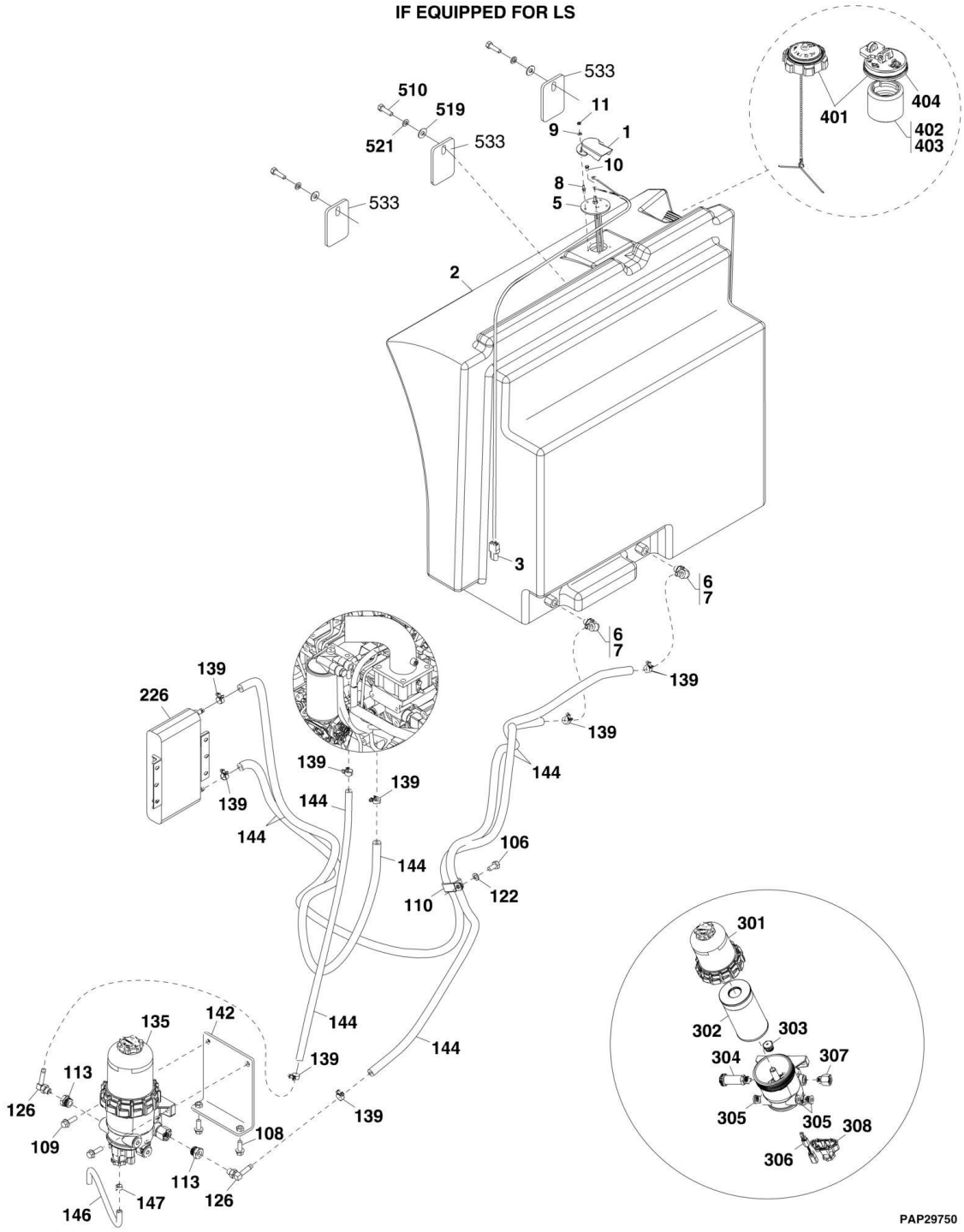
## FIGURE 4-6. FUEL TANK AND LINES IF EQUIPPED FOR ULS



## FIGURE 4-6. FUEL TANK AND LINES IF EQUIPPED FOR ULS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001130780 | Ref | FUEL TANK ASSY, (if equipped for ULS), (not available to order, see items 1 thru 11 for service) | C |
| 1 | 1671313 | 1 | FUEL SENDER COVER | |
| 2 | 1001134413 | 1 | FUEL TANK | |
| 3 | 4923452 | 1 | FUEL SENDER HARNESS | |
| 5 | 1001148837 | 1 | FUEL LEVEL SENDER | |
| 6 | 1001130776 | 2 | HOSE BARB ADAPTER | |
| 7 | 0100093 | AR | LOCTITE 30512 | |
| 8 | 1001148847 | 3 | ADAPTER | |
| 9 | 4811600 | 3 | WASHER, 5mm | |
| 10 | 0731003 | 2 | HEX HD MACHINE SCREW, 10-32X3/8 | |
| 11 | 1001149344 | 3 | SPECIAL NUT, 8-32 | |
| 109 | 0761010 | 1 | HEX HD CAPSCREW, M10X20, GR8.8 | |
| 111 | 1321716 | 1 | DOUBLE P-CLAMP | |
| 122 | 4832000 | 1 | LOCKWASHER, 10mm | |
| 132 | 1001182094 | 2 | BANJO ADAPTER, M14X3/8 | |
| 149 | 1001136975 | 8 | FUEL HOSE CLAMP | |
| 152 | 1001144802 | 1 | HOSE CLAMP | |
| 153 | 1001080998 | 1 | FUEL FILTER DRAIN HOSE | |
| 154 | 1001141400 | 323 in | FUEL HOSE | |
| 227 | | Ref | FUEL RADIATOR, (See RADIATOR AND COOLING INSTALLATION for Breakdown) | |
| 301 | | Ref | PRIMARY FUEL FILTER ASSY, (See ENGINE for Breakdown) | |
| 401 | 1001093641 | 1 | FUEL CAP, NON-LOCKING | |
| 401 | 1001102657 | 1 | FUEL CAP, LOCKABLE, (includes items 402 thru 404) | A |
| 402 | 0100093 | AR | LOCTITE 30512 | |
| 403 | 1001001422 | 1 | FILLER NECK TANK ADAPTER | |
| 404 | 1001080707 | 1 | LOCKING FUEL CAP | |
| 510 | 0641608 | 3 | HEX HD CAPSCREW, 3/8-16X1 | |
| 519 | 4711600 | 3 | WASHER, 3/8 | |
| 521 | 4761600 | 3 | LOCKWASHER, 3/8 | |
| 533 | 1001150364 | 3 | FUEL TANK HOLD DOWN | |

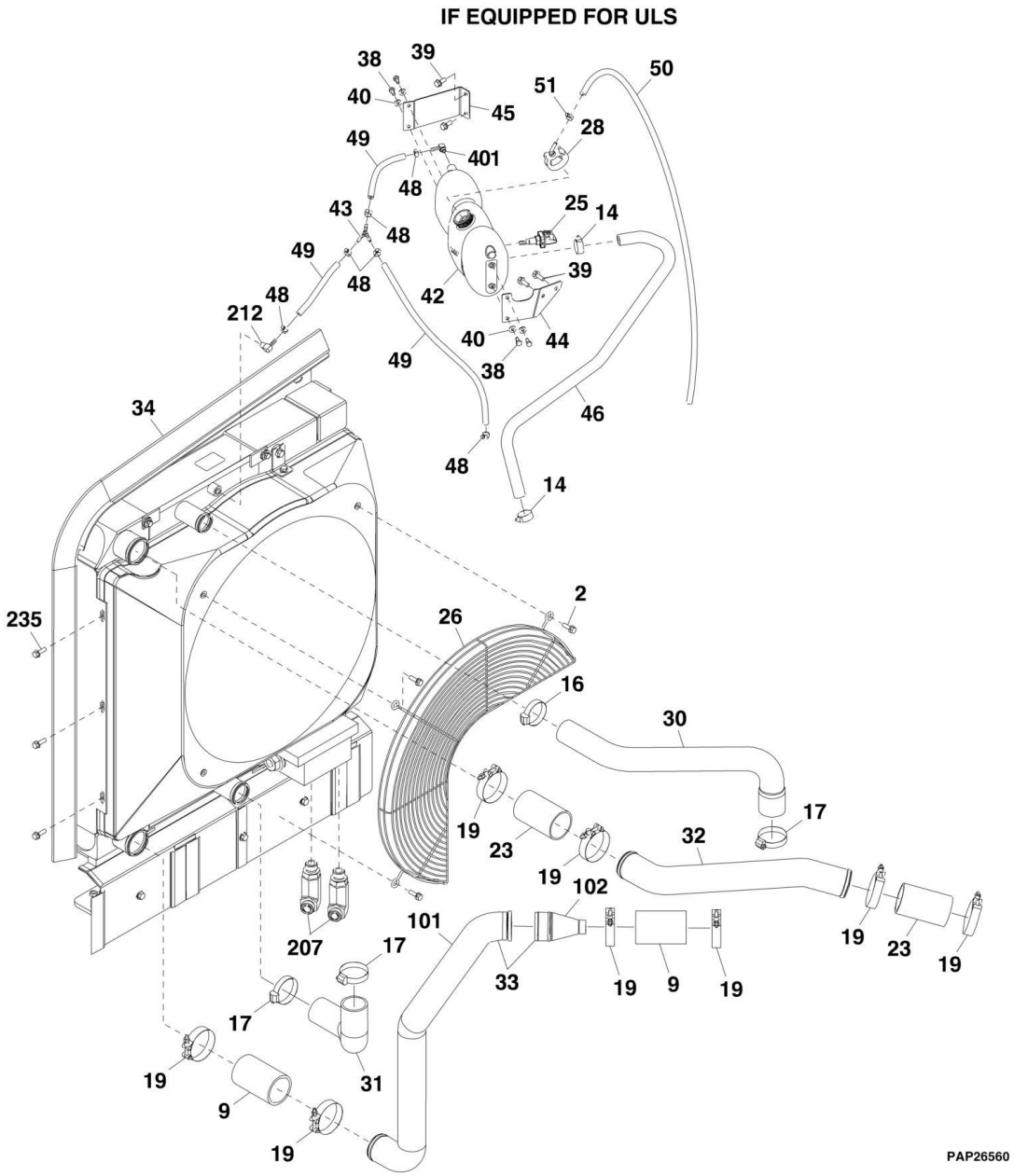
## FIGURE 4-7. FUEL TANK AND LINES IF EQUIPPED FOR LS

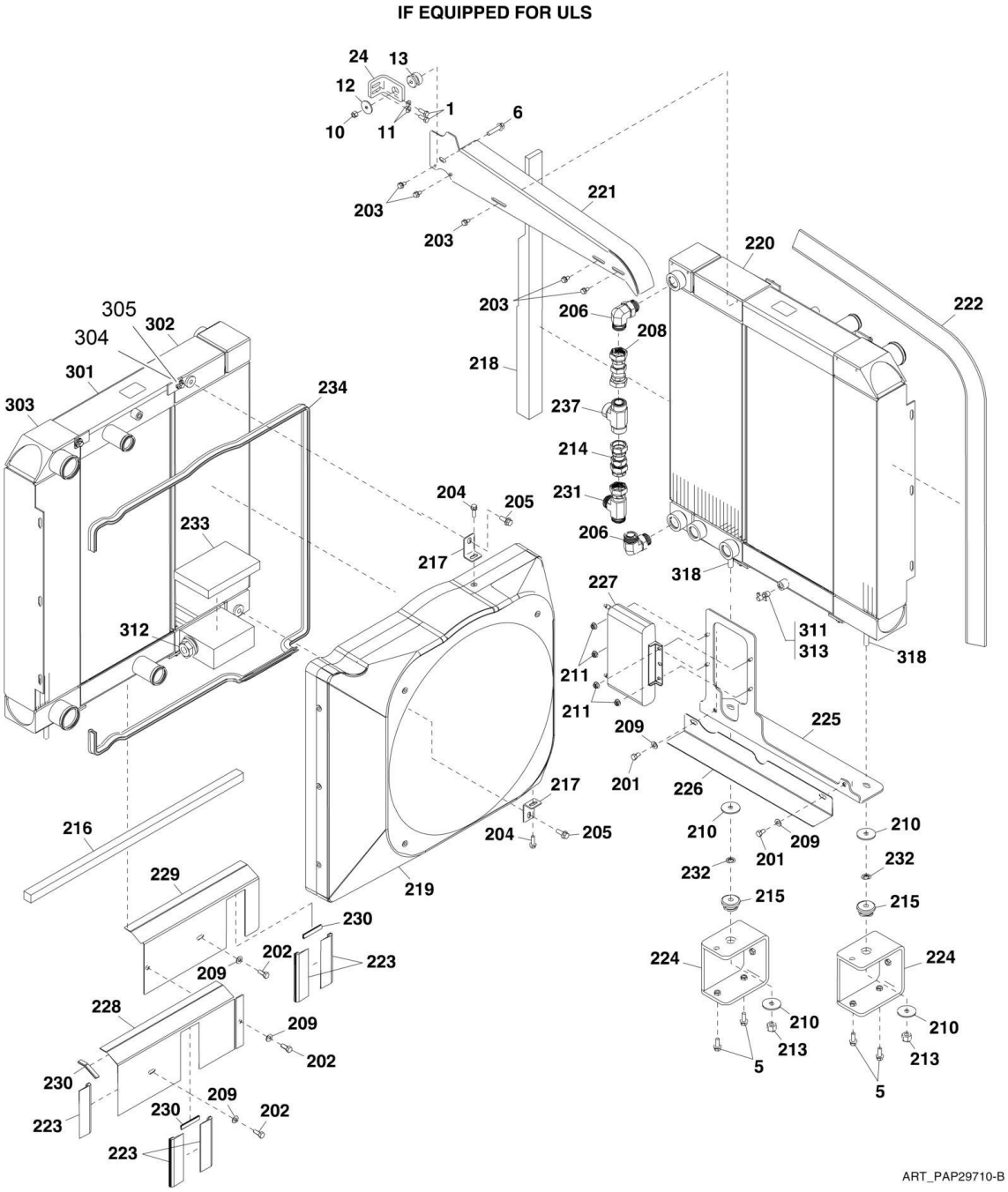


## FIGURE 4-7. FUEL TANK AND LINES IF EQUIPPED FOR LS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001130780 | Ref | FUEL TANK ASSY, (if equipped for LS), (not available to order, see items 1 thru 11 for service) | C |
| 1 | 1671313 | 1 | FUEL SENDER COVER | |
| 2 | 1001134413 | 1 | FUEL TANK | |
| 3 | 4923452 | 1 | FUEL SENDER HARNESS | |
| 5 | 1001148837 | 1 | FUEL LEVEL SENDER | |
| 6 | 1001130776 | 2 | HOSE BARB ADAPTER | |
| 7 | 0100093 | AR | LOCTITE 30512 | |
| 8 | 1001148847 | 3 | ADAPTER | |
| 9 | 4811600 | 3 | WASHER, 5mm | |
| 10 | 0731003 | 2 | HEX HD MACHINE SCREW, 10-32X3/8 | |
| 11 | 1001149344 | 3 | SPECIAL NUT, 8-32 | |
| 106 | 0761010 | 1 | HEX HD CAPSCREW, M10X20, GR8.8 | |
| 108 | 0791608 | 2 | SCREW, 3/8-16X1 | |
| 109 | 0791610 | 2 | SCREW, 3/8-16X1-1/4 | |
| 110 | 1321716 | 1 | DOUBLE P-CLAMP | |
| 113 | 2220218 | 2 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 122 | 4832000 | 1 | LOCKWASHER, 10mm | |
| 126 | 8430034 | 2 | ELBOW, 90, (includes o-ring) | |
| 135 | 1001133534 | 1 | FUEL FILTER, (includes items 301 thru 308) | A |
| 139 | 1001136975 | 8 | FUEL HOSE CLAMP | |
| 142 | 1001139197 | 1 | FUEL FILTER BRACKET | |
| 144 | 1001141400 | 312 in | FUEL HOSE | |
| 146 | 1001080998 | 1 | FUEL FILTER DRAIN HOSE | |
| 147 | 1001144802 | 1 | HOSE CLAMP | |
| 226 | | Ref | FUEL RADIATOR, (See RADIATOR AND COOLING INSTALLATION for Breakdown) | |
| 301 | 70024155 | 1 | COVER ASSY, (includes vent cap, vent cap o-ring, collar, cover, cover o-ring and spring) | |
| 302 | 70024156 | 1 | FILTER ELEMENT | |
| 303 | 70024157 | 1 | CHECK VALVE ASSY | |
| 304 | 70024158 | 1 | PRIMER | |
| 305 | 70024159 | 3 | PLUG | |
| 306 | 70024160 | 1 | WATER-IN-FUEL SENSOR | |
| 307 | 70024161 | 1 | CHECK VALVE | |
| 308 | 70024162 | 1 | BOTTOM BOWL ASSY, (includes bottom bowl seal, bottom bowl screws, drain valve o-ring and drain valve) | |
| 401 | 1001093641 | 1 | FUEL CAP, NON-LOCKING | |
| 401 | 1001102657 | 1 | FUEL CAP, LOCKABLE, (includes items 402 thru 404) | A |
| 402 | 0100093 | AR | LOCTITE 30512 | |
| 403 | 1001001422 | 1 | FILLER NECK TANK ADAPTER | |
| 404 | 1001080707 | 1 | LOCKING FUEL CAP | |
| 510 | 0641608 | 3 | HEX HD CAPSCREW, 3/8-16X1-1/4 | |
| 519 | 4711600 | 3 | WASHER, 3/8 | |
| 521 | 4761600 | 3 | LOCKWASHER, 3/8 | |
| 533 | 1001150364 | 3 | FUEL TANK HOLD DOWN | |

## FIGURE 4-8. RADIATOR AND COOLING INSTALLATION IF EQUPPED FOR ULS



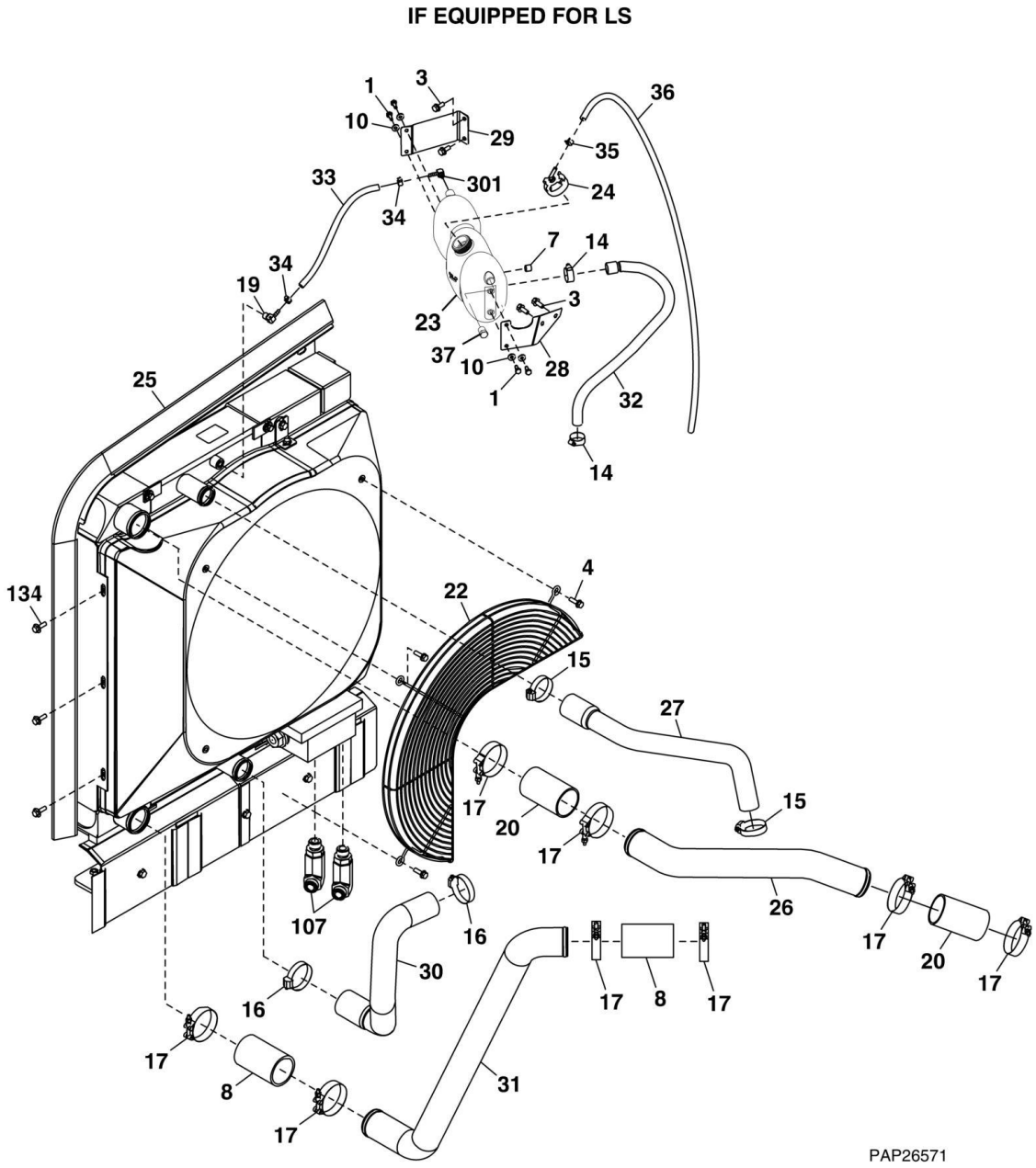

IF EQUIPPED FOR ULS
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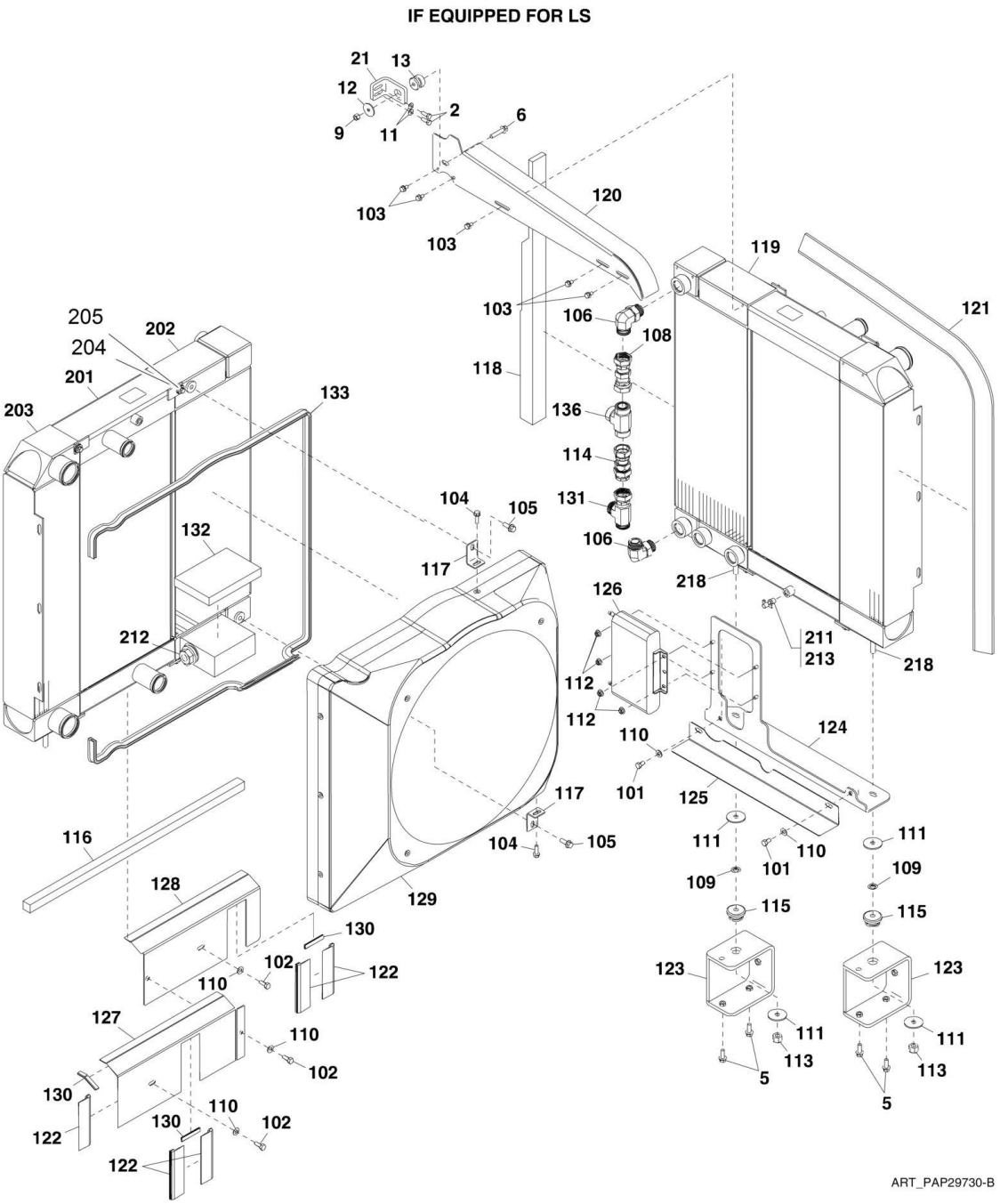
## FIGURE 4-8. RADIATOR AND COOLING INSTALLATION IF EQUPPED FOR ULS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131810 | Ref | COOLER INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 51 for service) | E |
| 1 | 0641508 | 2 | HEX HD CAPSCREW, 5/16-18X1 | |
| 2 | 0791508 | 3 | SCREW, 5/16-18x1 | |
| 5 | 0811608 | 4 | SCREW, 3/8-16X1 | |
| 6 | 0811616 | 1 | SCREW, 3/8-16X2 | |
| 9 | 2720644 | 2 | CHARGE AIR COOLER HUMP HOSE, 2-1/2 | |
| 10 | 8305603 | 1 | HEX LOCKNUT, 3/8-16 | |
| 11 | 4711500 | 2 | WASHER, 5/16 | |
| 12 | 7057141 | 1 | FLAT WASHER | |
| 13 | 8278020 | 1 | RUBBER ISOLATOR MOUNT | |
| 14 | 8405007 | 2 | GEAR CLAMP, 1-1/4 MAX DIA | |
| 16 | 8405104 | 1 | GEAR CLAMP, 2-1/4 MAX DIA | |
| 17 | 8405201 | 3 | GEAR CLAMP, 2-1/2 MAX DIA | |
| 19 | 8405212 | 8 | T-BOLT CLAMP | |
| 23 | 1001114495 | 2 | CHARGE AIR COOLER STRAIGHT HOSE, 2-1/2 | |
| 24 | 1001121050 | 1 | COOLER ISOLATOR MOUNT PLATE | |
| 25 | 1001121955 | 1 | COOLANT LEVEL SENSOR | |
| 26 | 1001122338 | 1 | FAN GUARD GRILL | |
| 28 | 1001128341 | 1 | PRESSURE CAP | |
| 30 | 1001129580 | 1 | RADIATOR COOLANT HOSE | |
| 31 | 1001129581 | 1 | RADIATOR COOLANT HOSE | |
| 32 | 1001129624 | 1 | CHARGE AIR COOLER INLET PIPE | |
| 33 | 1001141033 | 1 | CHARGE AIR COOLER OUTLET REDUCER PIPE, (includes items 101 & 102) | D |
| 34 | 1001131809 | 1 | COOLER ASSY, (includes item 201 thru 237) | G |
| 38 | 0641405 | 4 | HEX HD CAPSCREW, 1/4-20X5/8 | |
| 39 | 0791506 | 4 | SCREW, 5/16-18X3/4 | |
| 40 | 4711400 | 4 | WASHER, 1/4 | |
| 42 | 1001128338 | 1 | DEAERATION TANK, (includes item 401) | H |
| 43 | 1001128510 | 1 | HOSE BARB COUPLING | |
| 44 | 1001138715 | 1 | COOLANT TANK FRONT BRACKET | |
| 45 | 1001138716 | 1 | COOLANT TANK REAR BRACKET | |
| 46 | 1001138751 | 1 | COOLANT FILL HOSE | |
| 48 | 1320022 | 6 | HOSE CLAMP | |
| 49 | 1001139685 | 33 in | BULK HOSE, 1/4 | |
| 50 | 1001080998 | 1 | EXPANSION TANK HOSE | |
| 51 | 1001144802 | 1 | HOSE CLAMP | |
| 101 | 1001141031 | 1 | CHARGE AIR COOLER OUTLET PIPE | |
| 102 | 1001141032 | 1 | CHARGE AIR COOLER REDUCER PIPE | |
| 201 | 0641605 | 2 | HEX HD CAPSCREW, 3/8-16X5/8 | |
| 202 | 0641607 | 3 | HEX HD CAPSCREW, 3/8-16X7/8 | |
| 203 | 0791504 | 5 | SCREW, 5/16-18X1/2 | |
| 204 | 0791508 | 2 | SCREW, 5/16-18x1 | |
| 205 | 0791604 | 2 | SCREW, 3/8-16X1/2 | |
| 206 | 2131616 | 2 | ADAPTER, 90, (includes o-ring) | |
| 207 | 2170212 | 2 | ADAPTER, 90, (long), (includes o-ring) | |
| 208 | 2172416 | 1 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 209 | 4711600 | 5 | WASHER, 3/8 | |
| 210 | 4740274 | 4 | SNUBBING WASHER | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 211 | 77143006 | 4 | WHIZ-LOCKNUT, 5/16-18 | |
| 212 | 2220317 | 1 | HOSE BARB FITTING | |
| 213 | 88521208 | 2 | LOCKNUT, 1/2-13 | |
| 214 | 1001159129 | 1 | CHECK VALVE | |
| 215 | 1001114803 | 2 | ISOLATOR MOUNT | |
| 216 | 1001118092 | 1 | FOAM GASKET SEAL | |
| 217 | 1001121404 | 2 | SHROUD MOUNTING BRACKET | |
| 218 | 1001121962 | 1 | FOAM GASKET SEAL | |
| 219 | 1001129577 | 1 | FAN SHROUD | |
| 220 | 1001129855 | 1 | RADIATOR COOLING PACKAGE, (includes items 301 thru 318) | E |
| 221 | 1001130046 | 1 | AIR DAM PLATE | |
| 222 | 1001130079 | 1 | FOAM GASKET SEAL | |
| 223 | 1001133877 | 5 | TRIM-LOK FLAP SEAL | |
| 224 | 1001134453 | 2 | COOLER SUPPORT | |
| 225 | 1001134456 | 1 | FUEL COOLER MOUNT | |
| 226 | 1001134458 | 1 | DRIP SHIELD PLATE | |
| 227 | 1001134516 | 1 | FUEL RADIATOR | |
| 228 | 1001138258 | 1 | AIR DAM RIGHT PLATE | |
| 229 | 1001138313 | 1 | AIR DAM WELD PLATE | |
| 230 | 90206194 | 9 in | VINYL EDGE TRIM, 1/16 | |
| 231 | 2170716 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |
| 232 | 3300246 | 2 | STEEL PUSH NUT | |
| 233 | 1001147450 | 1 | FOAM GASKET SEAL | |
| 234 | 1001120639 | 100 in | BULB SEAL | |
| 235 | 1001149227 | 3 | HEX FLANGE SCREW, 5/16-18X1 | |
| 236 | 1001149756 | 1 | FOAM GASKET SEAL | |
| 237 | 2170516 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |
| 301 | 70024110 | 1 | RADIATOR | |
| 302 | 70024111 | 1 | COOLER | |
| 303 | 70024109 | 1 | CHARGE AIR COOLER | |
| 304 | 70024113 | 6 | HEX HD CAPSCREW, 5/16-18X1/2 | |
| 305 | 70024115 | 6 | WASHER | |
| 311 | 70024112 | 1 | DRAINCOCK, 1/4 | |
| 312 | 70024116 | 1 | THERMAL BYPASS VALVE | |
| 313 | 70023337 | 1 | OVERFLOW HOSE | |
| 318 | 70024114 | 2 | STUD, 1/2-13X3-1/2 | |
| 401 | 8420213 | 1 | HOSE BARB ELBOW, 90 | |

## FIGURE 4-9. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR LS



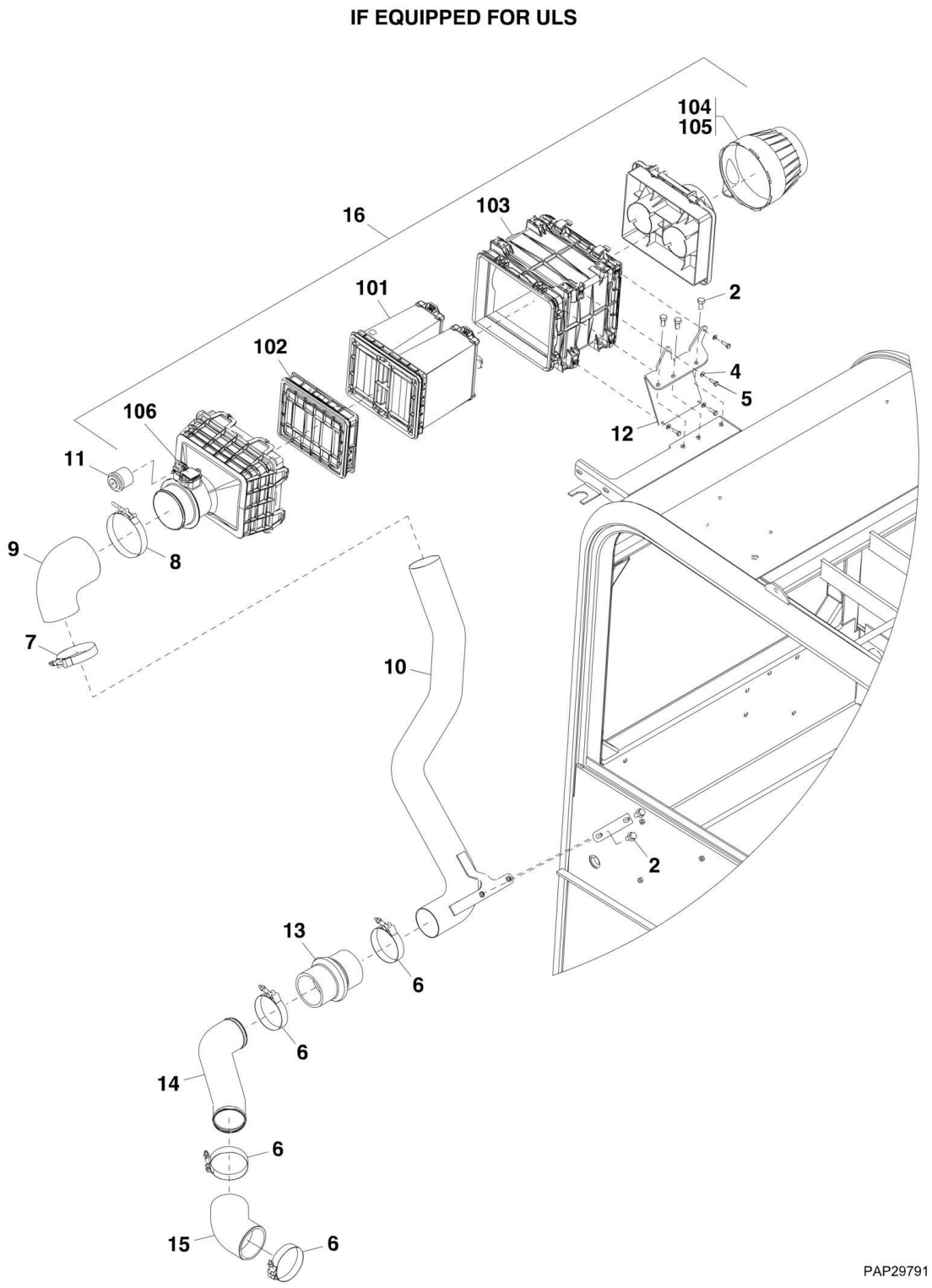

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## FIGURE 4-9. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR LS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138669 | Ref | COOLER INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 36 for service) | D |
| 1 | 0641405 | 4 | HEX HD CAPSCREW, 1/4-20X5/8 | |
| 2 | 0641508 | 2 | HEX HD CAPSCREW, 5/16-18X1 | |
| 3 | 0791506 | 4 | SCREW, 5/16-18X3/4 | |
| 4 | 0791508 | 3 | SCREW, 5/16-18x1 | |
| 5 | 0811608 | 4 | SCREW, 3/8-16X1 | |
| 6 | 0811616 | 1 | SCREW, 3/8-16X2 | |
| 7 | 8530025 | 1 | HEX SOCKET PLUG FITTING | |
| 8 | 2720644 | 2 | CHARGE AIR COOLER HUMP HOSE, 2-1/2 | |
| 9 | 3311601 | 1 | HEX NUT, 3/8-16, GR2 | |
| 10 | 4711400 | 4 | WASHER, 1/4 | |
| 11 | 4711500 | 2 | WASHER, 5/16 | |
| 12 | 7057141 | 1 | FLAT WASHER | |
| 13 | 8278020 | 1 | RUBBER ISOLATOR MOUNT | |
| 14 | 8405007 | 2 | GEAR CLAMP, 1-1/4 MAX DIA | |
| 15 | 8405104 | 2 | GEAR CLAMP, 2-1/4 MAX DIA | |
| 16 | 8405201 | 2 | GEAR CLAMP, 2-1/2 MAX DIA | |
| 17 | 8405212 | 8 | T-BOLT CLAMP | |
| 19 | 2220317 | 1 | HOSE BARB FITTING | |
| 20 | 1001114495 | 2 | CHARGE AIR COOLER STRAIGHT HOSE, 2-1/2 | |
| 21 | 1001121050 | 1 | COOLER ISOLATOR MOUNT PLATE | |
| 22 | 1001122338 | 1 | FAN GUARD GRILL | |
| 23 | 1001153912 | 1 | DEAERATION TANK, (includes item 301) | C |
| 24 | 1001128341 | 1 | PRESSURE CAP | |
| 25 | 1001138668 | 1 | COOLER ASSY, (includes item 101 thru 136) | E |
| 26 | 1001138701 | 1 | CHARGE AIR COOLER INLET PIPE | |
| 27 | 1001138713 | 1 | RADIATOR COOLANT HOSE | |
| 28 | 1001138715 | 1 | COOLANT TANK FRONT BRACKET | |
| 29 | 1001138716 | 1 | COOLANT TANK REAR BRACKET | |
| 30 | 1001138754 | 1 | RADIATOR COOLANT HOSE | |
| 31 | 1001138756 | 1 | CHARGE AIR COOLER OUTLET PIPE | |
| 32 | 1001139620 | 1 | COOLANT FILL HOSE | |
| 33 | 1001139685 | 12 in | BULK HOSE, 1/4 | |
| 34 | 1320022 | 2 | HOSE CLAMP | |
| 35 | 1001144802 | 1 | HOSE CLAMP | |
| 36 | 1001080998 | 1 | EXPANSION TANK HOSE | |
| 37 | 1001110712 | 1 | PLUG | |
| 101 | 0641605 | 2 | HEX HD CAPSCREW, 3/8-16X5/8 | |
| 102 | 0641607 | 3 | HEX HD CAPSCREW, 3/8-16X7/8 | |
| 103 | 0791504 | 5 | SCREW, 5/16-18X1/2 | |
| 104 | 0791508 | 2 | SCREW, 5/16-18x1 | |
| 105 | 0791604 | 2 | SCREW, 3/8-16X1/2 | |
| 106 | 2131616 | 2 | ADAPTER, 90, (includes o-ring) | |
| 107 | 2170212 | 2 | ADAPTER, 90, (long), (includes o-ring) | |
| 108 | 2172416 | 1 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 109 | 3300246 | 2 | STEEL PUSH NUT | |
| 110 | 4711600 | 5 | WASHER, 3/8 | |
| 111 | 4740274 | 4 | SNUBBING WASHER | |
| 112 | 77143006 | 4 | WHIZ-LOCKNUT, 5/16-18 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 113 | 88521208 | 2 | LOCKNUT, 1/2-13 | |
| 114 | 1001159129 | 1 | CHECK VALVE | |
| 115 | 1001114803 | 2 | ISOLATOR MOUNT | |
| 116 | 1001118092 | 1 | FOAM GASKET SEAL | |
| 117 | 1001121404 | 2 | SHROUD MOUNTING BRACKET | |
| 118 | 1001121962 | 1 | FOAM GASKET SEAL | |
| 119 | 1001129855 | 1 | RADIATOR COOLING PACKAGE, (includes items 201 thru 218) | E |
| 120 | 1001130046 | 1 | AIR DAM PLATE | |
| 121 | 1001130079 | 1 | FOAM GASKET SEAL | |
| 122 | 1001133877 | 5 | TRIM-LOK FLAP SEAL | |
| 123 | 1001134453 | 2 | COOLER SUPPORT | |
| 124 | 1001134456 | 1 | FUEL COOLER MOUNT | |
| 125 | 1001134458 | 1 | DRIP SHIELD PLATE | |
| 126 | 1001134516 | 1 | FUEL RADIATOR | |
| 127 | 1001138258 | 1 | AIR DAM RIGHT PLATE | |
| 128 | 1001138313 | 1 | AIR DAM WELD PLATE | |
| 129 | 1001138667 | 1 | FAN SHROUD | |
| 130 | 90206194 | 9 in | VINYL EDGE TRIM, 1/16 | |
| 131 | 2170716 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |
| 132 | 1001147450 | 1 | FOAM GASKET SEAL | |
| 133 | 1001120639 | 101 in | BULB SEAL | |
| 134 | 1001149227 | 3 | HEX FLANGE SCREW, 5/16-18X1 | |
| 135 | 1001149756 | 1 | FOAM GASKET SEAL | |
| 136 | 2170516 | 1 | ADAPTER, RUN TEE (includes o-ring) | |
| 201 | 70024110 | 1 | RADIATOR | |
| 202 | 70024111 | 1 | COOLER | |
| 203 | 70024109 | 1 | CHARGE AIR COOLER | |
| 204 | 70024113 | 6 | HEX HD CAPSCREW, 5/16-18X1/2 | |
| 205 | 70024115 | 6 | WASHER | |
| 211 | 70024112 | 1 | DRAINCOCK, 1/4 | |
| 212 | 70024116 | 1 | THERMAL BYPASS VALVE | |
| 213 | 70023337 | 1 | OVERFLOW HOSE | |
| 218 | 70024114 | 2 | STUD, 1/2-13X3-1/2 | |
| 301 | 8420213 | 1 | HOSE BARB ELBOW, 90 | |

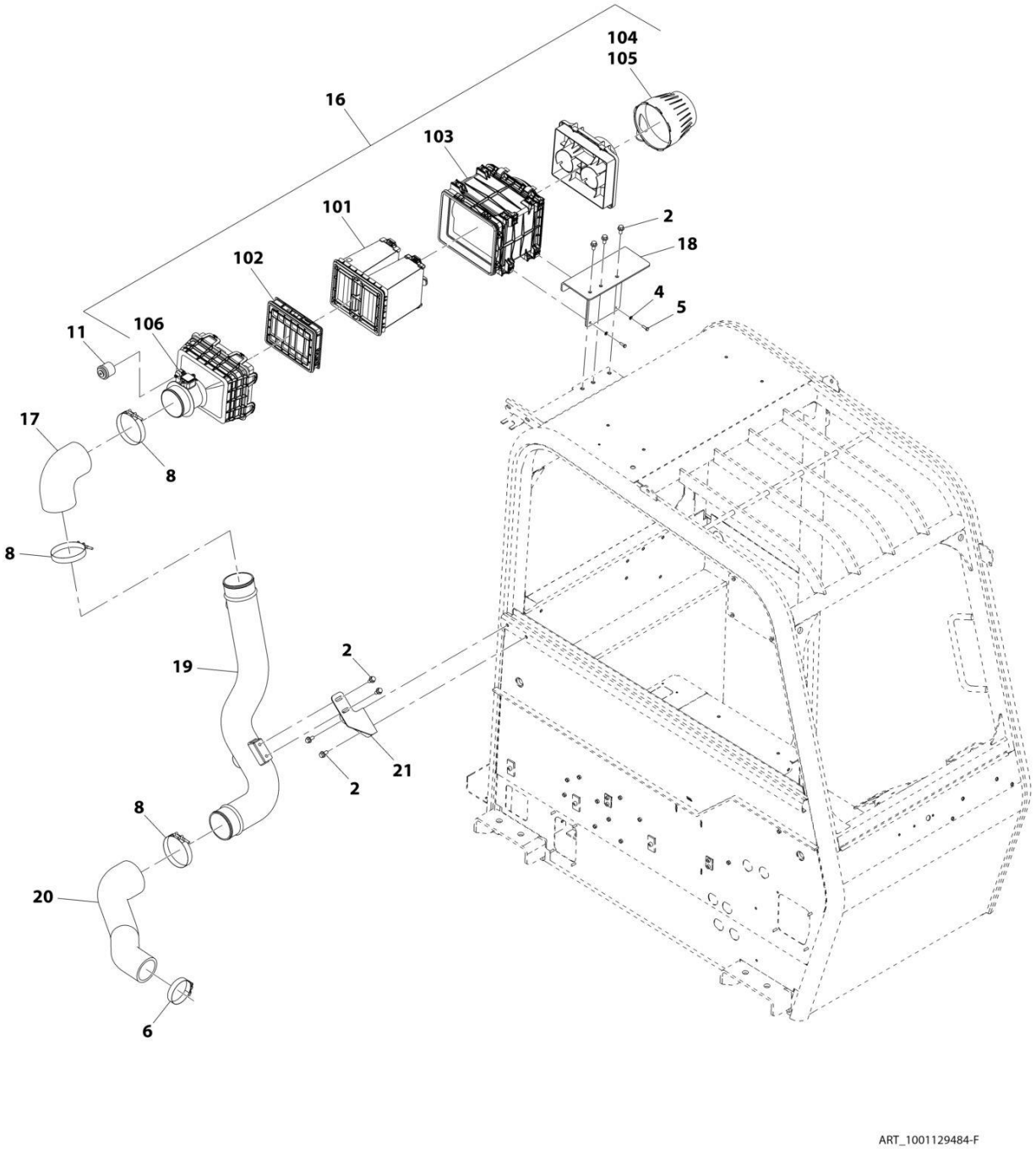
## FIGURE 4-10. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS (Prior to SN 0160071240, Excluding 0160018840, 0160019245 and 0160019746)



## FIGURE 4-10. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS (Prior to SN 0160071240, Excluding 0160018840, 0160019245 and 0160019746)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001129484 | Ref | AIR CLEANER INSTALLATION, (if equipped for ULS), (not available to order, see items 2 thru 16 for service) | C |
| 2 | 0811606 | 5 | FLANGE SCREW, 3/8-16X3/4 | |
| 4 | 4811700 | 4 | WASHER, 6mm | |
| 5 | 8303544 | 4 | HEX HD CAPSCREW, M6X20, GR8.8, (torque to 2.9 lb-ft/.3 Nm) | |
| 6 | 8405305 | 4 | T-BOLT CLAMP, 3.38 ID | |
| 7 | 8410010 | 1 | T-BOLT CLAMP | |
| 8 | 77383790 | 1 | BAND CLAMP, (torque to 40 lb-ft/4.5 Nm) | |
| 9 | 91153007 | 1 | REDUCTION ELBOW | |
| 10 | 91513205 | 1 | AIR INTAKE TUBE | |
| 11 | 91563129 | 1 | RESTRICTION INDICATOR, (torque to 15-20 lb-ft/1.7-2.3 Nm) | |
| 12 | 1001129485 | 1 | AIR CLEANER SUPPORT BRACKET | |
| 13 | 1001129514 | 1 | HUMP HOSE | |
| 14 | 1001129515 | 1 | AIR FILTER PIPE | |
| 15 | 1001129518 | 1 | AIR INTAKE HOSE | |
| 16 | 1001132110 | 1 | AIR FILTER, (includes items 101 thru 106) | D |
| 101 | 70024177 | 1 | PRIMARY ELEMENT | |
| 102 | 70024176 | 1 | SAFETY ELEMENT | |
| 103 | 70024318 | 1 | COVER | |
| 104 | 70024270 | 1 | VACUATOR VALVE | |
| 105 | 70024271 | 1 | PRE-CLEANER | |
| 106 | 70024841 | 1 | MASS AIR FLOW SENSOR | |

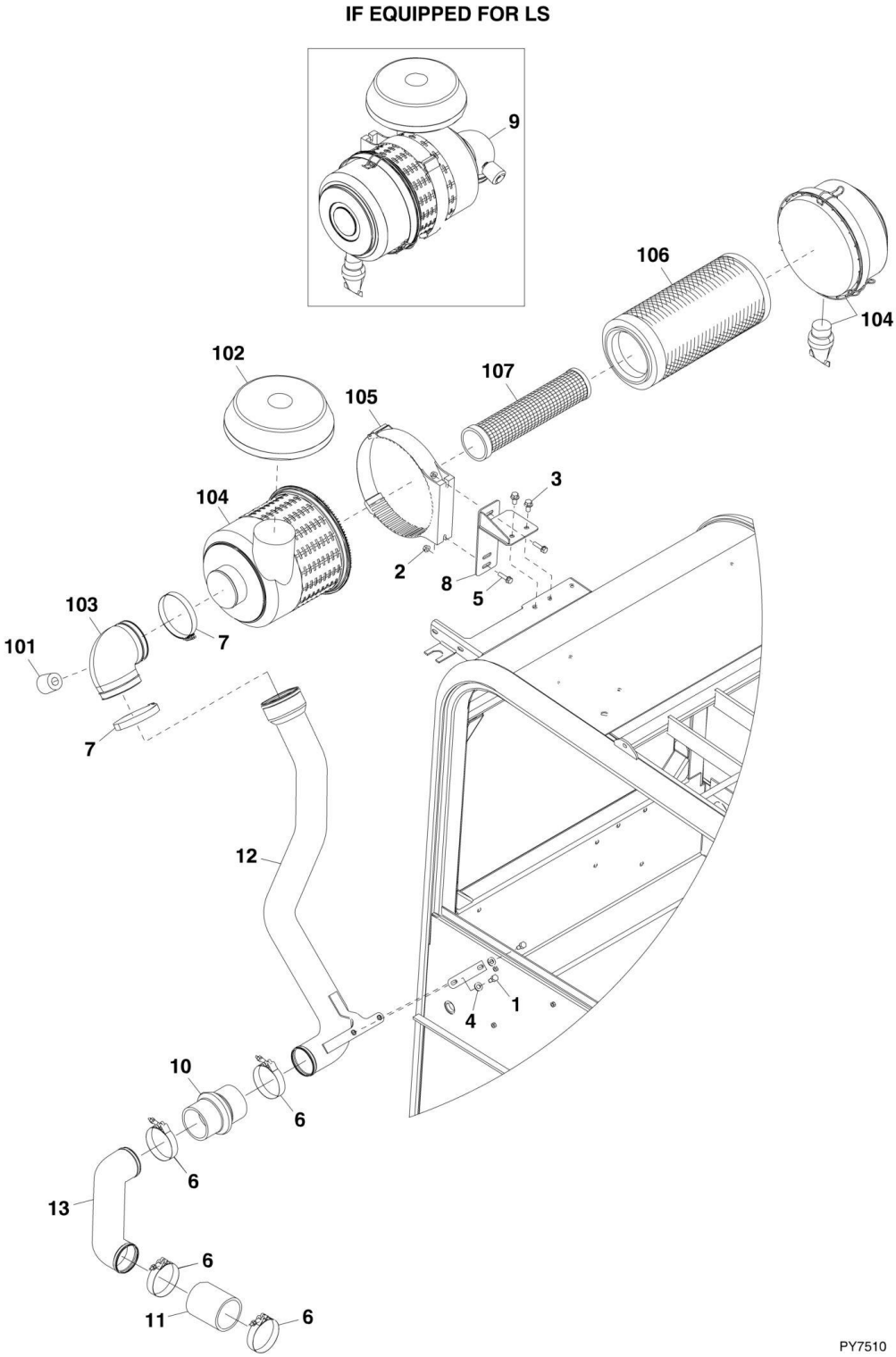
## FIGURE 4-11. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS (SN 0160071240 to Present, Including 0160018840, 0160019245 and 0160019746)



## FIGURE 4-11. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS (SN 0160071240 to Present, Including 0160018840, 0160019245 and 0160019746)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001129484 | Ref | AIR CLEANER INSTALLATION, (if equipped for ULS), (not available to order, see items 2 thru 21 for service) | F |
| 2 | 0811606 | 7 | FLANGE SCREW, 3/8-16X3/4 | |
| 4 | 4811700 | 4 | WASHER, M6 | |
| 5 | 8303544 | 4 | HEX HD CAPSCREW, M6X20, GR8.8, (torque to 2.9 lb-ft/.3 Nm) | |
| 6 | 8405305 | 1 | T-BOLT CLAMP, 3.38 ID | |
| 8 | 80933367 | 3 | BAND CLAMP | |
| 11 | 91563129 | 1 | RESTRICTION INDICATOR, (torque to 15-20 lb-ft/1.7-2.3 Nm) | |
| 16 | 1001132110 | 1 | AIR FILTER, (includes items 101 thru 106) | D |
| 17 | 1001165357 | 1 | REDUCTION ELBOW | |
| 18 | 1001161231 | 1 | AIR CLEANER SUPPORT BRACKET | |
| 19 | 91563079 | 1 | AIR INTAKE TUBE | |
| 20 | 1001162379 | 1 | AIR FILTER PIPE | |
| 21 | 1001160987 | 1 | BRACKET | |
| 101 | 70024177 | 1 | PRIMARY ELEMENT | |
| 102 | 70024176 | 1 | SAFETY ELEMENT | |
| 103 | 70024318 | 1 | COVER | |
| 104 | 70024270 | 1 | VACUATOR VALVE | |
| 105 | 70024271 | 1 | PRE-CLEANER | |
| 106 | 70024841 | 1 | MASS AIR FLOW SENSOR | |

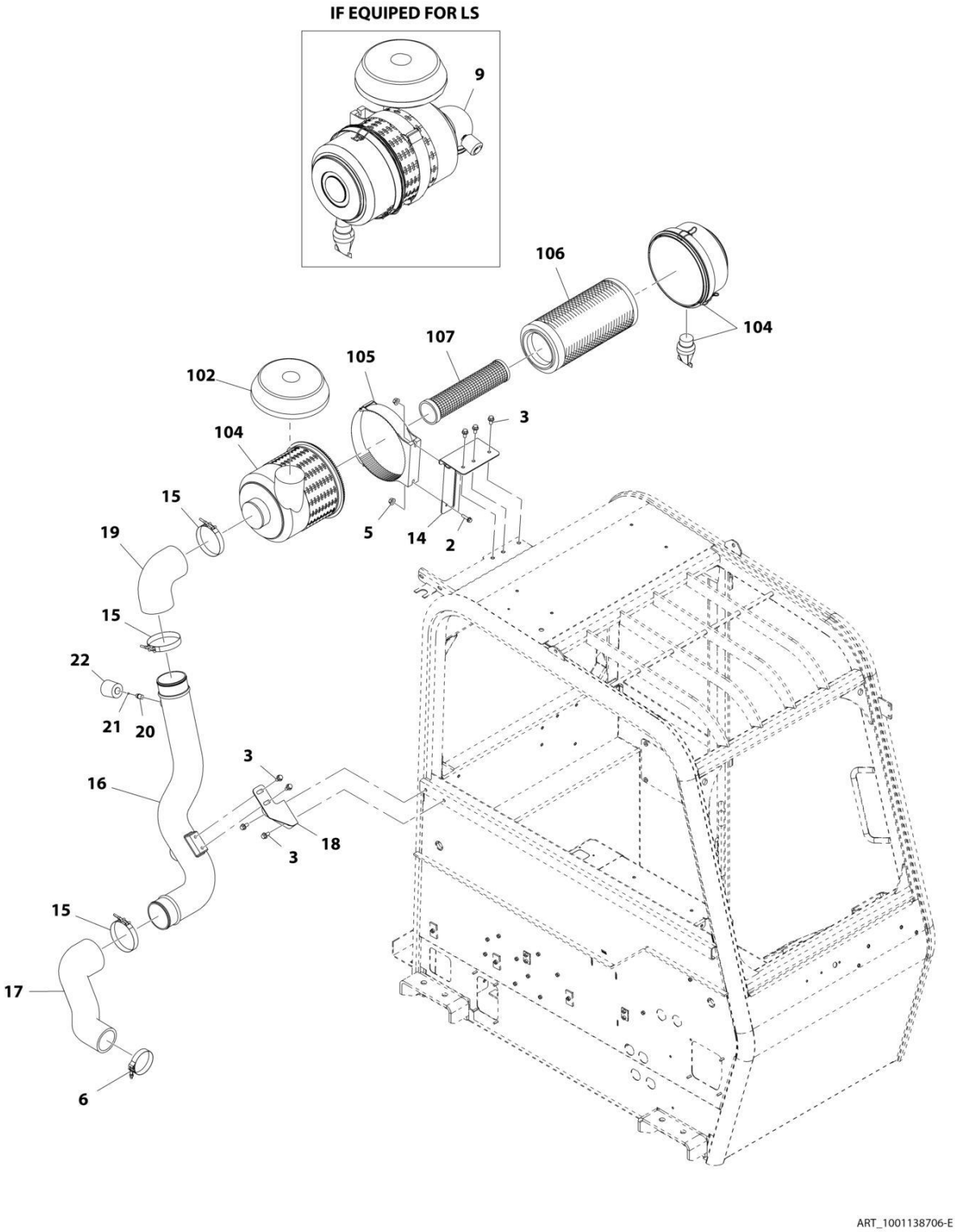
## FIGURE 4-12. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS (Prior to SN 0160071240, Excluding 0160018840, 0160019245 and 0160019746)



## FIGURE 4-12. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS (Prior to SN 0160071240, Excluding 0160018840, 0160019245 and 0160019746)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138706 | Ref | AIR CLEANER INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 13 for service) | A |
| 1 | 0641606 | 2 | HEX HD CAPSCREW, 3/8-16X3/4, GR5 | |
| 2 | 0811510 | 2 | SCREW, 5/16-18X1-1/4 | |
| 3 | 0811606 | 2 | FLANGE SCREW, 3/8-16X3/4 | |
| 4 | 4711600 | 2 | WASHER, 3/8 | |
| 5 | 8310420 | 2 | FLANGE NUT, 5/16-18 | |
| 6 | 8405305 | 4 | T-BOLT CLAMP, 3.38 ID | |
| 7 | 10719267 | 2 | HOSE CLAMP | |
| 8 | 1001120393 | 1 | AIR CLEANER SUPPORT BRACKET | |
| 9 | 1001121278 | 1 | AIR CLEANER, (includes items 101 thru 107) | E |
| 10 | 1001129514 | 1 | HUMP HOSE | |
| 11 | 1001138718 | 1 | AIR INTAKE HOSE | |
| 12 | 1001138720 | 1 | AIR INTAKE PIPE | |
| 13 | 1001138749 | 1 | AIR FILTER PIPE | |
| 101 | 70023531 | 1 | RESTRICTION INDICATOR | |
| 102 | 70023532 | 1 | RAIN CAP | |
| 103 | 70023533 | 1 | ELBOW | |
| 104 | N.S.S. | 1 | COVER AND BODY ASSY | |
| 105 | 70023534 | 1 | MOUNTING BAND | |
| 106 | 70023535 | 1 | PRIMARY ELEMENT | |
| 107 | 70023536 | 1 | SECONDARY ELEMENT | |

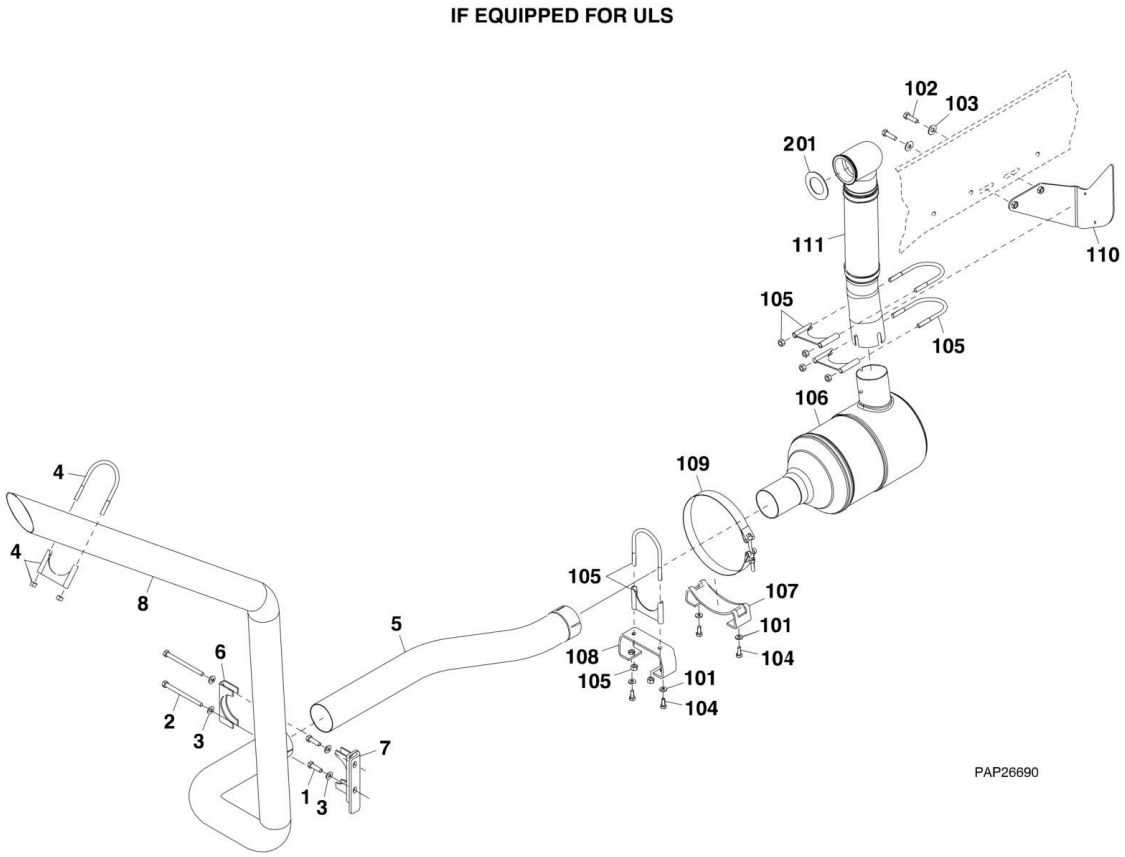
## FIGURE 4-13. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS (SN 0160071240 to Present, Including 0160018840, 0160019245 and 0160019746)



## FIGURE 4-13. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS (SN 0160071240 to Present, Including 0160018840, 0160019245 and 0160019746)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138706 | Ref | AIR CLEANER INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 22 for service) | E |
| 2 | 0811510 | 2 | SCREW, 5/16-18X1-1/4 | |
| 3 | 0811606 | 7 | FLANGE SCREW, 3/8-16X3/4 | |
| 5 | 8310420 | 2 | FLANGE NUT, 5/16-18 | |
| 6 | 8405305 | 1 | T-BOLT CLAMP, 3.38 ID | |
| 9 | 1001121278 | 1 | AIR CLEANER, (includes items 102 thru 107) | G |
| 14 | 1001160930 | 1 | BRACKET, AIR CLEANER | |
| 15 | 80933367 | 3 | BAND CLAMP | |
| 16 | 1001162955 | 1 | TUBE, AIR INTAKE | |
| 17 | 1001162379 | 1 | HOSE, AIR INTAKE | |
| 18 | 1001160987 | 1 | BRACKET, AIR INTAKE | |
| 19 | 1001165357 | 1 | HOSE | |
| 20 | 1001176983 | 1 | ADAPTER | |
| 21 | 1001177201 | 1 | FILTER | |
| 22 | 1001180469 | 1 | SENSOR | |
| 102 | 70023532 | 1 | RAIN CAP | |
| 104 | N.S.S. | 1 | COVER AND BODY ASSY | |
| 105 | 70023534 | 1 | MOUNTING BAND | |
| 106 | 70023535 | 1 | PRIMARY ELEMENT | |
| 107 | 70023536 | 1 | SECONDARY ELEMENT | |

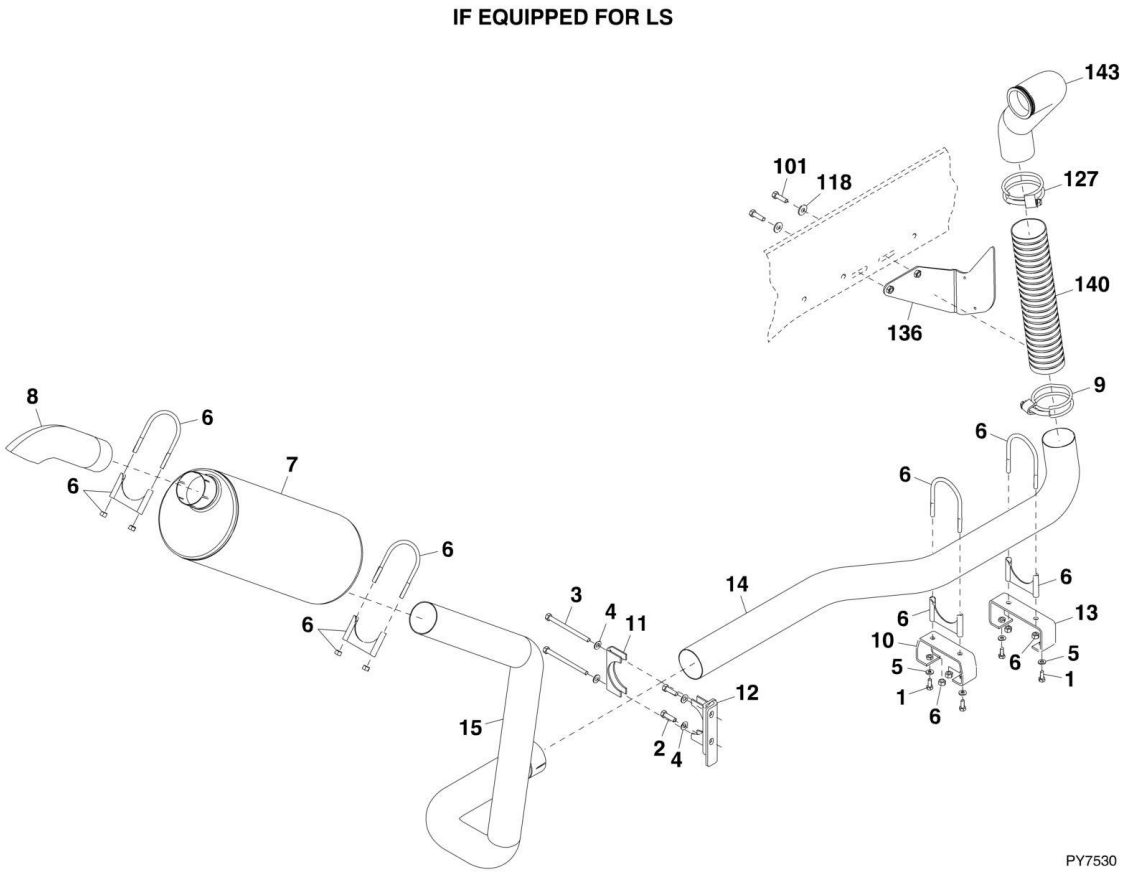
## FIGURE 4-14. EXHAUST INSTALLATION IF EQUIPPED FOR ULS



## FIGURE 4-14. EXHAUST INSTALLATION IF EQUIPPED FOR ULS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001132492 | Ref | EXHAUST INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 8 for service) (G6-42A) | B |
| | 1001132459 | Ref | EXHAUST INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 8 for service) (G10-43A,G9-43A) | B |
| 1 | 0641610 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/4 | |
| 2 | 0641638 | 2 | HEX HD CAPSCREW, 3/8-16X4-3/4 | |
| 3 | 4711600 | 4 | WASHER, 3/8 | |
| 4 | 24921332 | 1 | EXHAUST CLAMP, 3IN | |
| 5 | 1001129560 | 1 | DOC OUTLET PIPE | |
| 6 | 1001129787 | 1 | EXHAUST CLAMP SADDLE MOUNT | |
| 7 | 1001130031 | 1 | EXHAUST PIPE SUPPORT | |
| 8 | 1001132332 | 1 | EXHAUST PIPE (G6-42A) | |
| | 1001120613 | 1 | EXHAUST PIPE (G10-43A,G9-43A) | |
| | 1001131937 | Ref | ENGINE POD EXHAUST INSTALLATION, (if equipped for ULS), (not available to order, see items 101 thru 111 for service) | C |
| 101 | 0641506 | 4 | HEX HD CAPSCREW, 5/16-18X3/4 | |
| 102 | 0641610 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/4 | |
| 103 | 4751600 | 2 | WASHER, 3/8 | |
| 104 | 4891500 | 4 | WASHER, 5/16 | |
| 105 | 24921332 | 3 | EXHAUST CLAMP, 3IN | |
| 106 | 1001127855 | 1 | DOC AFTERTREATMENT | |
| 107 | 1001128363 | 1 | DOC MOUNT BRACKET | |
| 108 | 1001128364 | 1 | DOC PIPE MOUNT BRACKET | |
| 109 | 1001128901 | 1 | DOC CLAMP STRAP | |
| 110 | 1001134241 | 1 | HOSE WELD BRACKET | |
| 111 | 1001129559 | 1 | EXHAUST FLEX PIPE, (includes item 201) | |
| 201 | 1001139846 | 1 | ORIFICE PLATE | |

## FIGURE 4-15. EXHAUST INSTALLATION IF EQUIPPED FOR LS

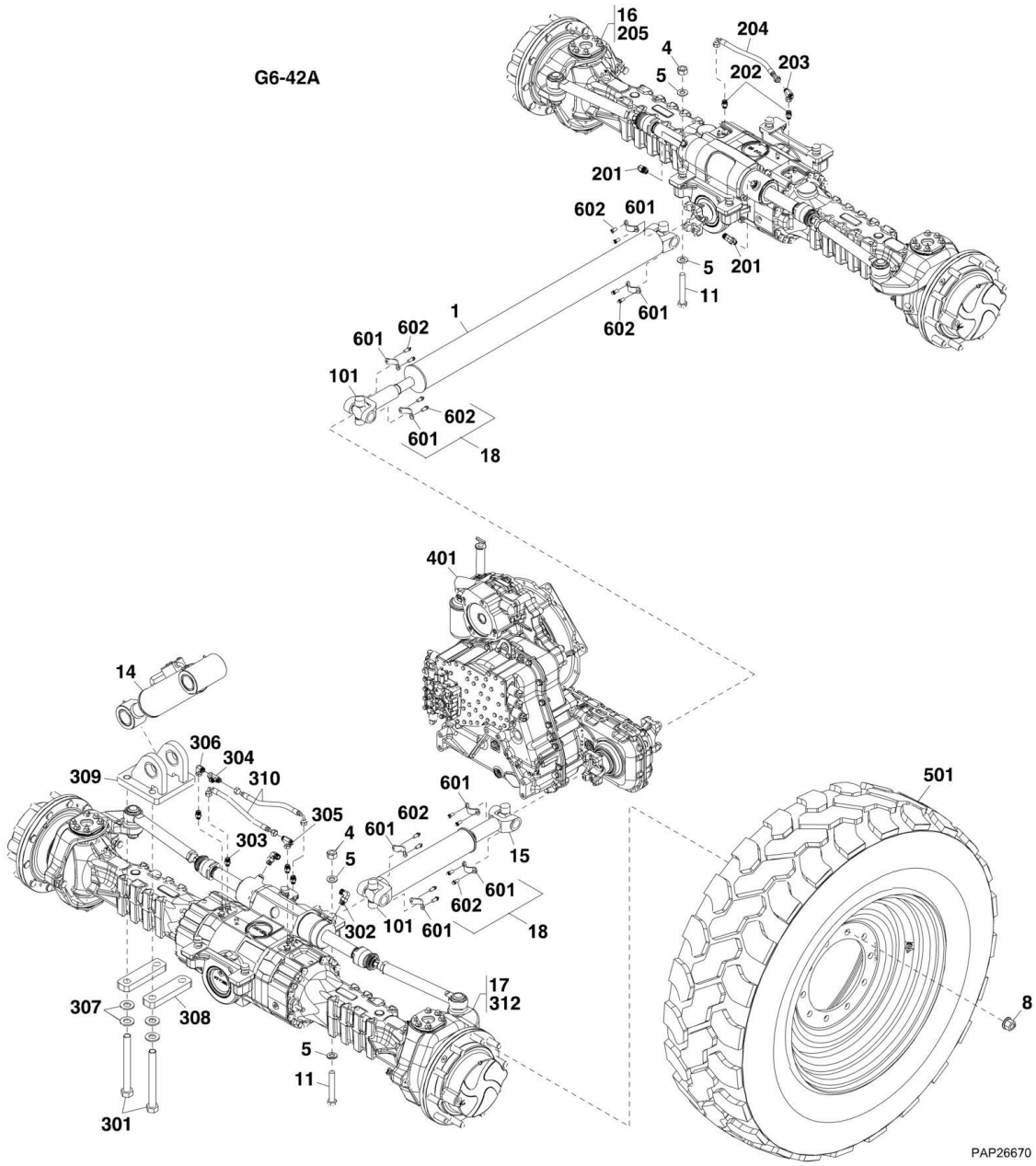


## FIGURE 4-15. EXHAUST INSTALLATION IF EQUIPPED FOR LS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001141119 | Ref | EXHAUST INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 15 for service) (G6-42A) | B |
| | 1001139321 | Ref | EXHAUST INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 15 for service) (G10-43A,G9-43A) | B |
| 1 | 0641506 | 4 | HEX HD CAPSCREW, 5/16-18X3/4 | |
| 2 | 0641610 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/4 | |
| 3 | 0641640 | 2 | HEX HD CAPSCREW, 3/8-16X5 | |
| 4 | 4711600 | 4 | WASHER, 3/8 | |
| 5 | 4891500 | 4 | WASHER, 5/16 | |
| 6 | 24921332 | 4 | EXHAUST CLAMP, 3IN | |
| 7 | 91163035 | 1 | MUFFLER | |
| 8 | 91403489 | 1 | TAIL PIPE TUBE | |
| 9 | 91403601 | 1 | PIPE CLAMP | |
| 10 | 1001128364 | 1 | DOC PIPE ASSY MOUNT BRACKET | |
| 11 | 1001129787 | 1 | EXHAUST CLAMP SADDLE MOUNT | |
| 12 | 1001130031 | 1 | EXHAUST PIPE SUPPORT | |
| 13 | 1001138137 | 1 | EXHAUST PIPE BRACKET ASSY | |
| 14 | 1001139348 | 1 | EXHAUST PIPE | |
| 15 | 1001141113 | 1 | EXHAUST PIPE (G6-42A) | |
| 15 | 1001139322 | 1 | EXHAUST PIPE (G10-43A,G9-43A) | |
| 101 | 0641610 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/4 | |
| 118 | 4751600 | 2 | WASHER, 3/8 | |
| 127 | 91403601 | 1 | PIPE CLAMP | |
| 136 | 1001134241 | 1 | HOSE WELD BRACKET | |
| 140 | 1001138132 | 1 | FLEX TUBE | |
| 143 | 1001139308 | 1 | TURBO EXHAUST PIPE | |

# SECTION 5 - DRIVE TRAIN

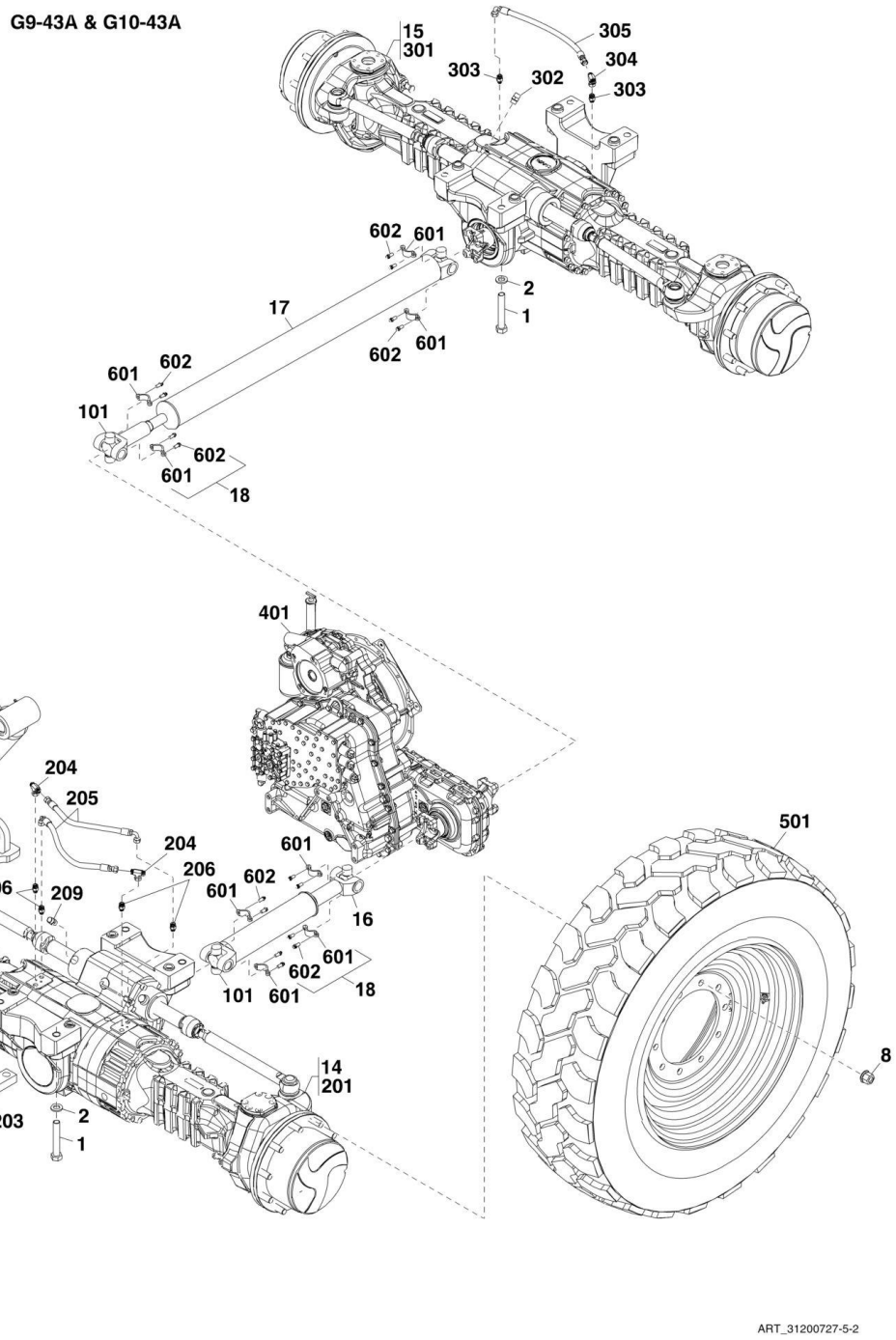
## FIGURE 5-1. DRIVE TRAIN COMPONENTS (G6-42A)



## FIGURE 5-1. DRIVE TRAIN COMPONENTS (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131799 | Ref | DRIVETRAIN INSTALLATION (not available to order, see items 1 thru 18 for service) | D |
| 1 | 4040292 | 1 | REAR DRIVE SHAFT, (includes item 101) | |
| 4 | 80501012 | 8 | HEX NUT, 3/4-10 | |
| 5 | 90027473 | 16 | HARDENED WASHER, 3/4 | |
| 7 | 91143220 | 100 in | PVC VINYL EDGE TRIM, 1/2, (not shown) | |
| 8 | 91403193 | 40 | WHEEL NUT, M22X1.5, (torque to 350-400 lb-ft/474-542 Nm) | |
| 11 | 91403412 | 8 | HEX HD CAPSCREW, 3/4-10X5, GR8 | |
| 14 | | Ref | FRAME LEVEL CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 15 | 1001117865 | 1 | FRONT DRIVE SHAFT, (includes item 101) | |
| 16 | 1001132467 | 1 | REAR AXLE ASSY, (includes items 201 thru 205) | D |
| 17 | 1001132468 | 1 | FRONT AXLE ASSY, (includes items 301 thru 312) | D |
| 18 | 8880218-OM | 4 | KIT, STRAP, DANA 1480, (includes items 601 & 602) | |
| 101 | 8036433 | 4 | UNIVERSAL JOINT KIT | |
| 201 | 2130808 | 2 | ADAPTER, 90, (includes o-ring) | |
| 202 | 2144605 | 2 | STRAIGHT FITTING, (includes o-ring) | |
| 203 | 2170806 | 1 | TEE FITTING, (includes o-ring) | |
| 204 | 1001139375 | 1 | HOSE ASSY | |
| 205 | | Ref | REAR AXLE, (See REAR AXLE for Breakdown) | |
| 301 | 0682676 | 4 | HEX HD CAPSCREW, 1-8X9-1/2 | |
| 302 | 2130808 | 2 | ADAPTER, 90, (includes o-ring) | |
| 303 | 2144605 | 4 | STRAIGHT FITTING, (includes o-ring) | |
| 304 | 2170706 | 1 | TEE FITTING, (includes o-ring) | |
| 305 | 2170806 | 1 | TEE FITTING, (includes o-ring) | |
| 306 | 2172106 | 1 | ADAPTER, 90, (includes o-ring) | |
| 307 | 90027475 | 8 | WASHER | |
| 308 | 91471213 | 2 | RETAINER PLATE | |
| 309 | 91475074 | 1 | SWAY LUG ASSY | |
| 310 | 1001139375 | 2 | HOSE ASSY | |
| 312 | | Ref | FRONT AXLE, (See FRONT AXLE for Breakdown) | |
| 401 | | Ref | TRANSMISSION, (See ZF TRANSMISSION for Breakdown) | |
| 501 | | Ref | WHEEL ASSY, (See WHEEL ASSEMBLY for Breakdown) | |
| 601 | 8880216-OM | NLA | STRAP, (no longer available, use 8880218-OM for replacement) | |
| 602 | 8880217-OM | NLA | STRAP BOLT, 0.375-24X0.75, GR9, (no longer available, use 8880218-OM for replacement) | |

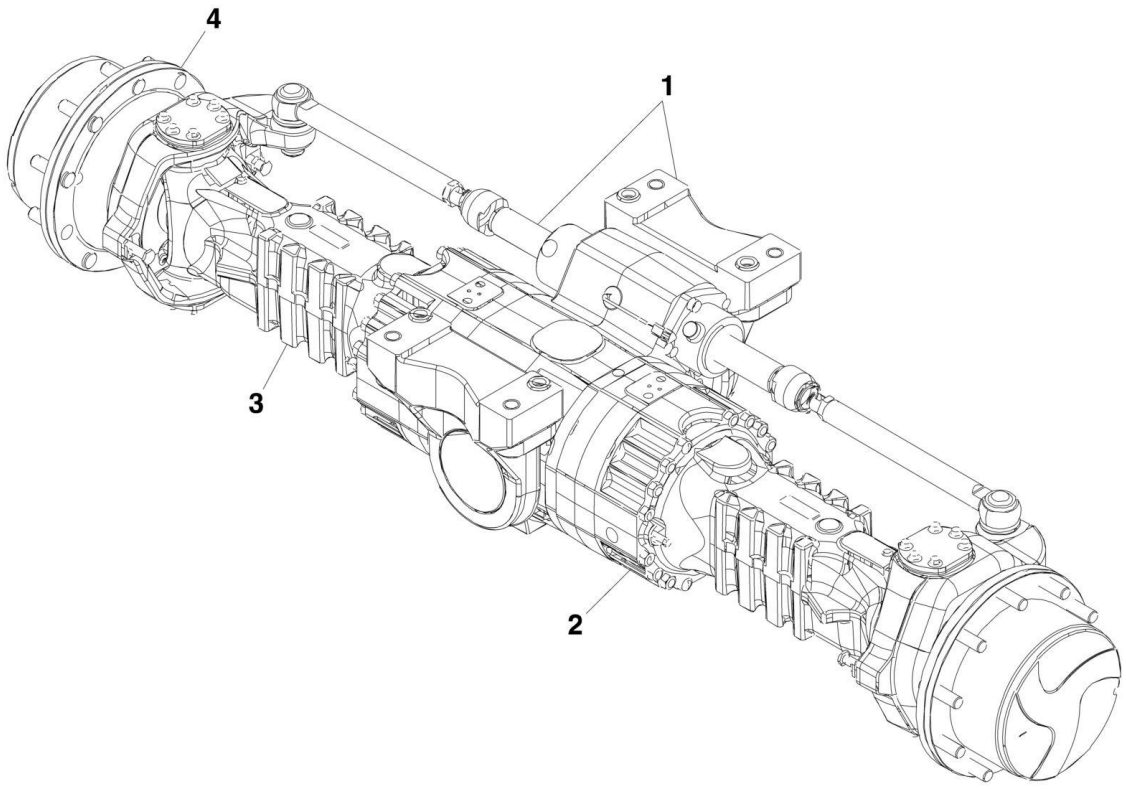
## FIGURE 5-2. DRIVE TRAIN COMPONENTS (G10-43A,G9-43A)



## FIGURE 5-2. DRIVE TRAIN COMPONENTS (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131776 | Ref | DRIVETRAIN INSTALLATION (not available to order, see items 1 thru 18 for service) | C |
| 1 | 0682444 | 16 | HEX HD CAPSCREW, 7/8-9X5-1/2 | |
| 2 | 77383118 | 16 | HARDENED WASHER, 7/8 | |
| 6 | 90206198 | 3.5 in | PVC VINYL EDGE TRIM, 3/16, (not shown) | |
| 7 | 90206203 | 91 in | PVC VINYL EDGE TRIM, 1/2, (not shown) | |
| 8 | 91403193 | 40 | WHEEL NUT, M22X1.5, (torque to 350-400 lb-ft/474-542 Nm) | |
| 14 | 1001097463 | 1 | FRONT AXLE ASSY, (includes items 201 thru 209) | E |
| 15 | 1001097464 | 1 | REAR AXLE ASSY, (includes items 301 thru 305) | E |
| 16 | 1001106573 | 1 | FRONT DRIVE SHAFT | |
| 17 | 1001106574 | 1 | REAR DRIVE SHAFT | |
| 18 | 8880218-OM | 4 | KIT, STRAP, DANA 1480, (includes items 601 & 602) | |
| 101 | 8036433 | 4 | UNIVERSAL JOINT KIT | |
| 201 | | Ref | FRONT AXLE, (See FRONT AXLE for Breakdown) | |
| 202 | 91515022 | 1 | SWAY PIVOT ASSY | |
| 203 | 91511105 | 2 | RETAINER PLATE | |
| 204 | 2170806 | 2 | TEE FITTING, (includes o-ring) | |
| 205 | 1001097466 | 2 | HOSE ASSY | |
| 206 | 2144605 | 4 | STRAIGHT FITTING, (includes o-ring) | |
| 207 | 77101143 | 4 | HEX HD CAPSCREW | |
| 208 | 90027475 | 7 | WASHER | |
| 209 | 2110808 | 2 | STRAIGHT FITTING, (includes o-ring) | |
| 301 | | Ref | REAR AXLE, (See REAR AXLE for Breakdown) | |
| 302 | 2110808 | 2 | STRAIGHT FITTING, (includes o-ring) | |
| 303 | 2144605 | 2 | STRAIGHT FITTING, (includes o-ring) | |
| 304 | 2170806 | 1 | TEE FITTING, (includes o-ring) | |
| 305 | 1001097466 | 1 | HOSE ASSY | |
| 401 | | Ref | TRANSMISSION, (See ZF TRANSMISSION for Breakdown) | |
| 501 | | Ref | WHEEL ASSY, (See WHEEL ASSEMBLY for Breakdown) | |
| 601 | 8880216-OM | NLA | STRAP, (no longer available, use 8880218-OM for replacement) | |
| 602 | 8880217-OM | NLA | STRAP BOLT, 0.375-24X0.75, GR9, (no longer available, use 8880218-OM for replacement) | |

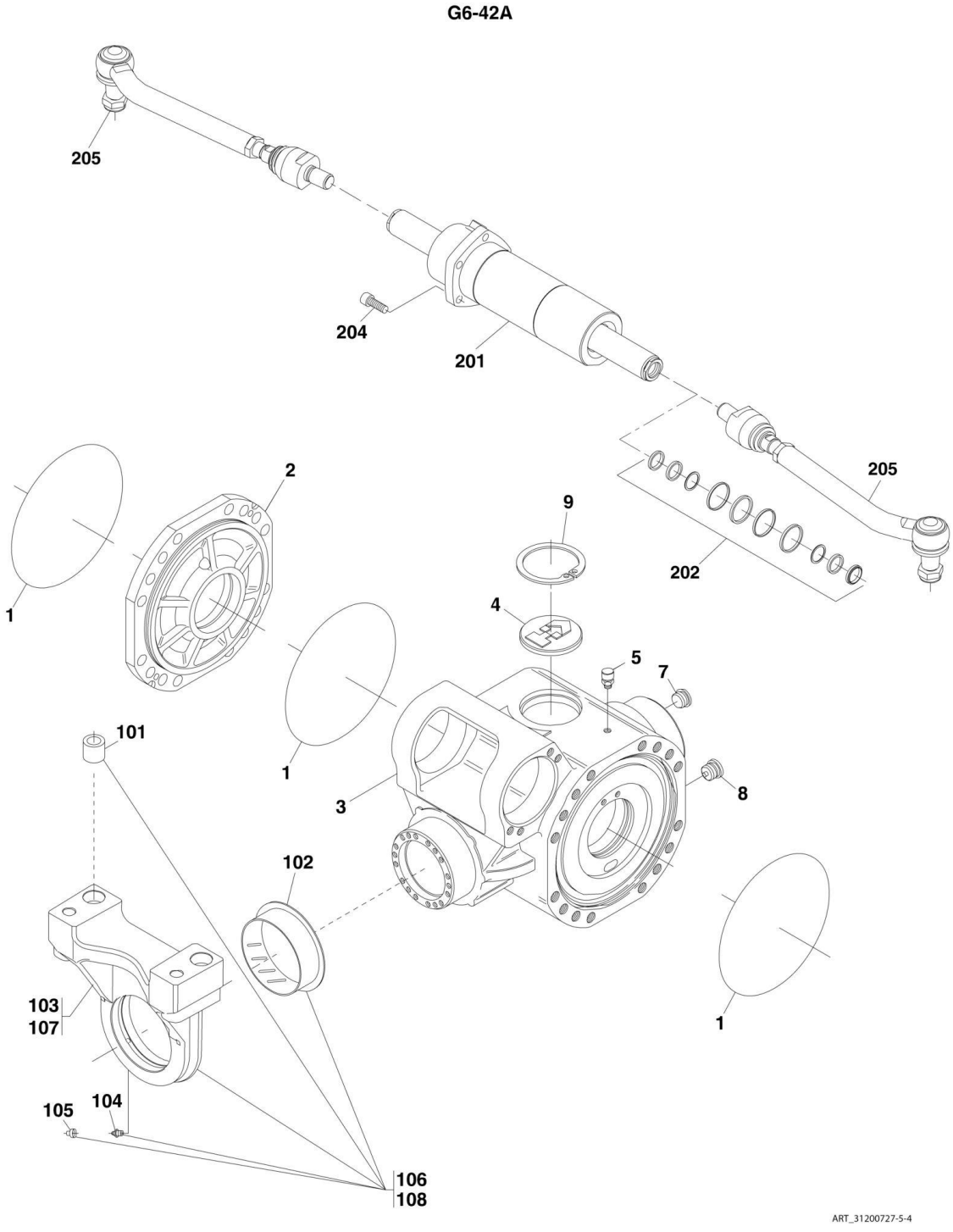
**FIGURE 5-3. FRONT AXLE**



## FIGURE 5-3. FRONT AXLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136365 | 1 | FRONT AXLE (includes all items) (G6-42A) **(SN 0160048658 through 0160065510)** | D |
| | 1001182613 | 1 | FRONT AXLE(includes all items) (G6-42A) **(SN 0160065511 to Present)** | A |
| | 1001136367 | 1 | FRONT AXLE (includes all items) (G10-43A,G9-43A) | C |
| 1 | | Ref | CENTRAL HOUSING AND STEERING, (See CENTRAL HOUSING AND STEERING for Breakdown) | |
| 2 | | Ref | DIFFERENTIAL, (See DIFFERENTIAL for Breakdown) | |
| 3 | | Ref | HUB REDUCTION, (See HUB REDUCTION for Breakdown) | |
| 4 | | Ref | BRAKES, (See BRAKES for Breakdown) | |

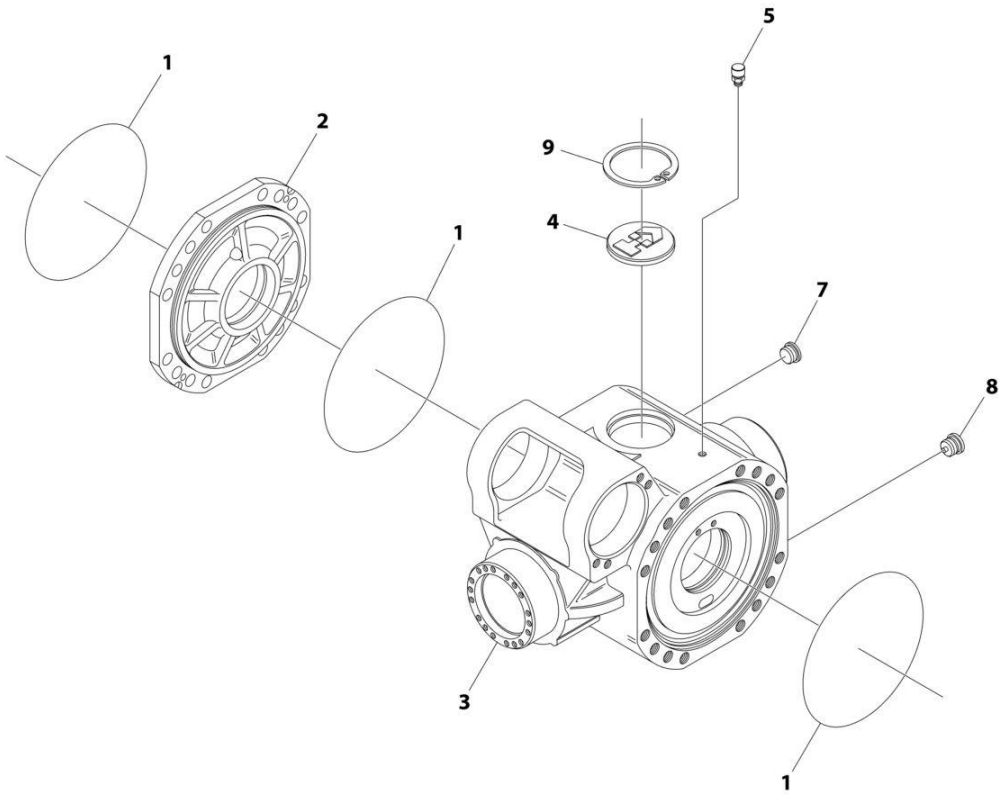
## FIGURE 5-4. CENTRAL HOUSING AND STEERING (G6-42A) (SN 0160048658 through 0160065510)



## FIGURE 5-4. CENTRAL HOUSING AND STEERING (G6-42A) (SN 0160048658 through 0160065510)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136365 | Ref | AXLE - CENTRAL HOUSING AND STEERING | |
| 1 | 91474507 | 3 | O-RING | |
| 2 | 70024872 | 1 | COVER | |
| 3 | 7029279 | 1 | HOUSING | |
| 4 | 91514098 | 1 | PLUG | |
| 5 | 91474512 | 1 | VENT | |
| 7 | 91514188 | 1 | PLUG | |
| 8 | 91474513 | 1 | MAGNET PLUG | |
| 9 | 80204005 | 1 | CIRCLIP | |
| 101 | 91474516 | 2 | REDUCTION BUSHING | |
| 102 | 91474515 | 1 | THRUST BUSHING | |
| 103 | 7029282 | 1 | FRONT SUPPORT ASSY, (includes items 1, 2, 4 & 5) | |
| 104 | 91514099 | 1 | GREASE FITTING | |
| 105 | 80204117 | 1 | PLUG | |
| 106 | N.S.S. | Ref | FRONT SUPPORT, (no longer sold separately, order item 103) | |
| 107 | 7029283 | 1 | REAR SUPPORT ASSY, (includes items 1, 2, 4 & 5) | |
| 108 | N.S.S. | Ref | REAR SUPPORT, (no longer sold separately, order item 107) | |
| 201 | 91474522 | 4 | BOLT | |
| 202 | 7029529 | 1 | SEAL KIT | |
| 204 | 7029528 | 1 | STEERING CYLINDER | |
| 205 | 91474521 | 2 | TIE ROD | |

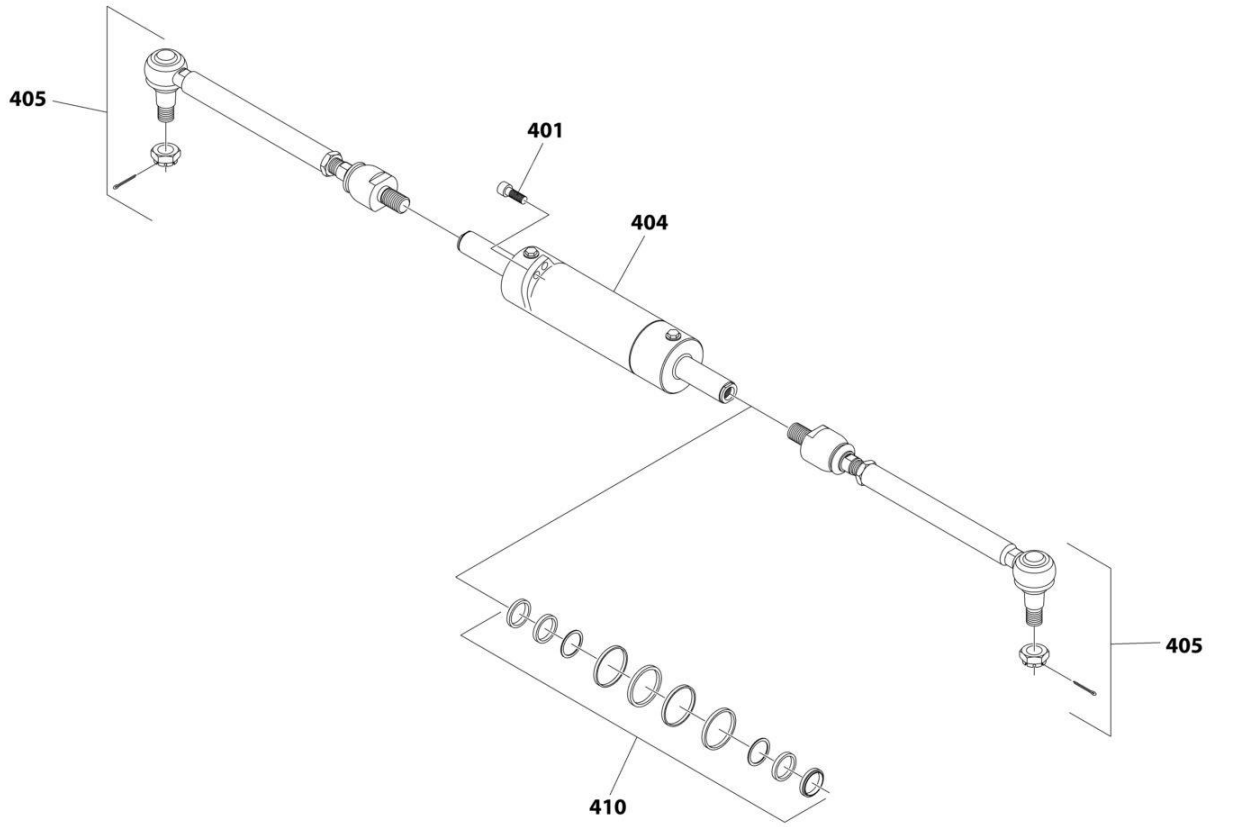
**FIGURE 5-5. CENTRAL HOUSING (G6-42A) (SN 0160065511 to Present)**



## FIGURE 5-5. CENTRAL HOUSING (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182613 | Ref | AXLE - CENTRAL HOUSING AND STEERING | A |
| 1 | 91474507 | 3 | O-Ring | |
| 2 | 70024872 | 1 | Cover | |
| 3 | 70026977 | 1 | Housing | |
| 4 | 91514098 | 1 | Plug | |
| 5 | 91474512 | 1 | Vent | |
| 7 | 91514188 | 1 | Plug | |
| 8 | 91474513 | 1 | Magnetic plug | |
| 9 | 80204005 | 1 | Circlip | |

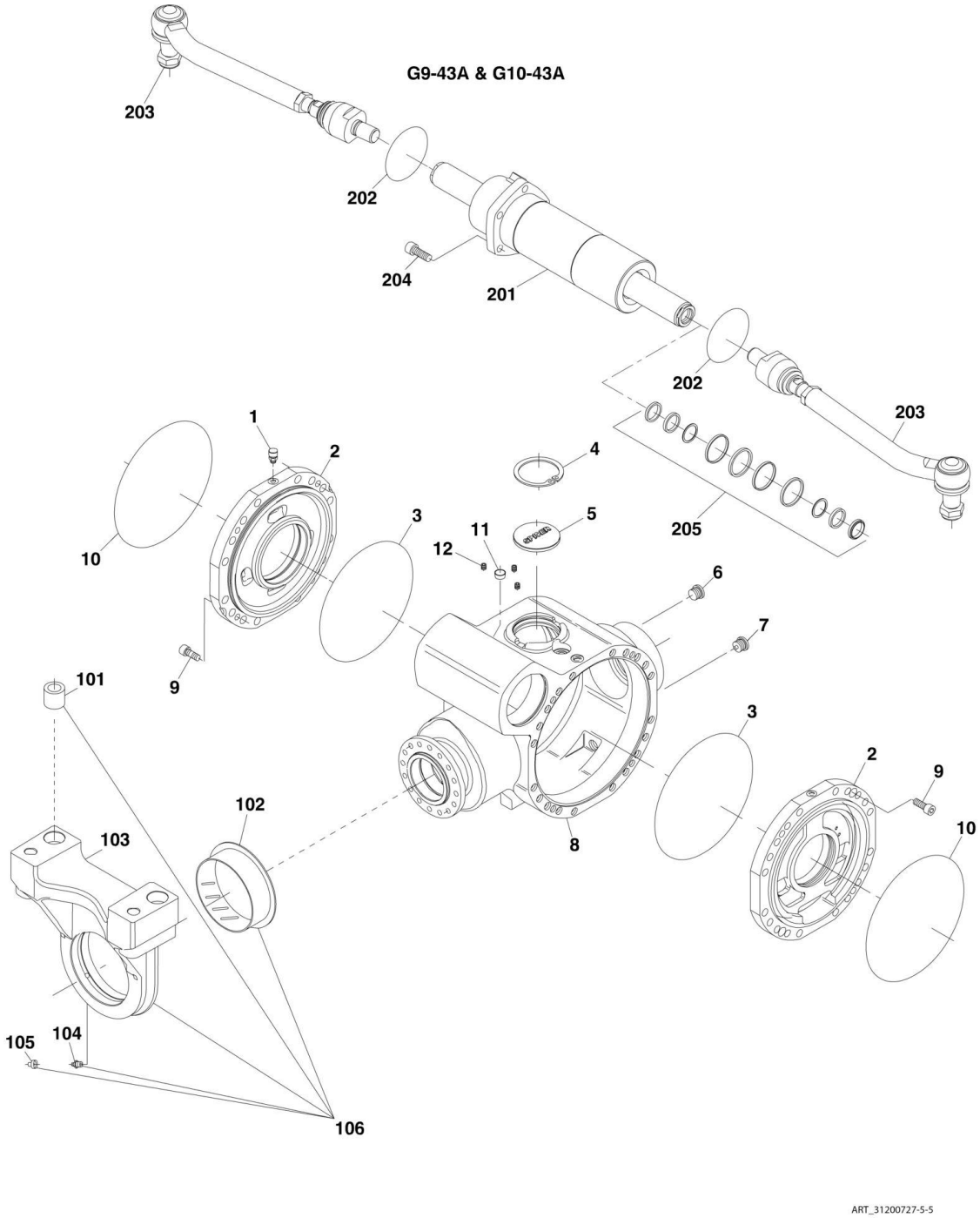
**FIGURE 5-6. STEERING (G6-42A) (SN 0160065511 to Present)**



## FIGURE 5-6. STEERING (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182613 | Ref | AXLE - STEERING | A |
| 401 | 91474522 | 4 | Bolt | |
| 404 | 7029528 | 1 | Cylinder | |
| 405 | 70026799 | 2 | Bar | |
| 410 | 7029529 | 1 | Seal Kit | |

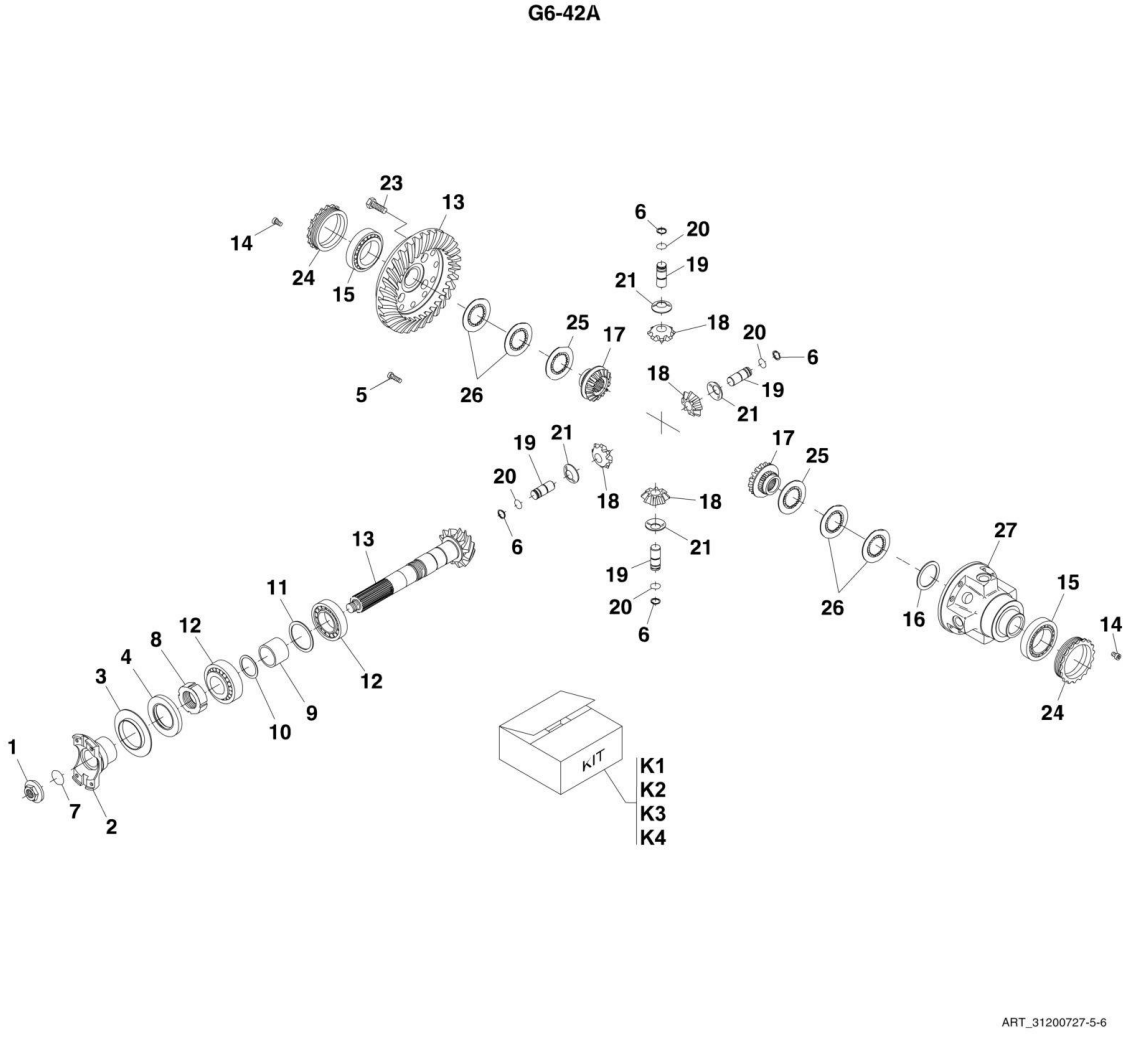
## FIGURE 5-7. CENTRAL HOUSING AND STEERING (G10-43A,G9-43A)



## FIGURE 5-7. CENTRAL HOUSING AND STEERING (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136367 | Ref | AXLE - CENTRAL HOUSING AND STEERING | |
| 1 | 91474512 | 1 | VENT | |
| 2 | 7029288 | 1 | INTERMEDIATE COVER | |
| 3 | 80204002 | 1 | O-RING | |
| 4 | 80204005 | 1 | CIRCLIP | |
| 5 | 91514098 | 1 | PLUG | |
| 6 | 91514087 | 1 | PLUG | |
| 7 | 70021177 | 1 | MAGNET PLUG | |
| 8 | 7029289 | 1 | HOUSING | |
| 9 | 91514101 | 4 | BOLT | |
| 10 | 91514089 | 2 | O-RING | |
| 11 | 7029307 | 1 | PLUG | |
| 12 | 7029306 | 3 | BOLT | |
| 101 | 7029290 | 4 | BUSHING | |
| 102 | 91514090 | 2 | BUSHING | |
| 103 | 7029291 | 2 | SUPPORT | |
| 104 | 91514099 | 2 | GREASE FITTING | |
| 105 | 80204117 | 2 | PLUG | |
| 106 | 7029292 | 2 | SUPPORT ASSY, (includes items 101 thru 105) | |
| 201 | 7026490 | 1 | STEERING CYLINDER | |
| 202 | 80204143 | 2 | O-RING | |
| 203 | 70021614 | 2 | TIE ROD | |
| 204 | 80204144 | 5 | BOLT | |
| 205 | 7029127 | 1 | STEERING CYLINDER SEAL KIT | |

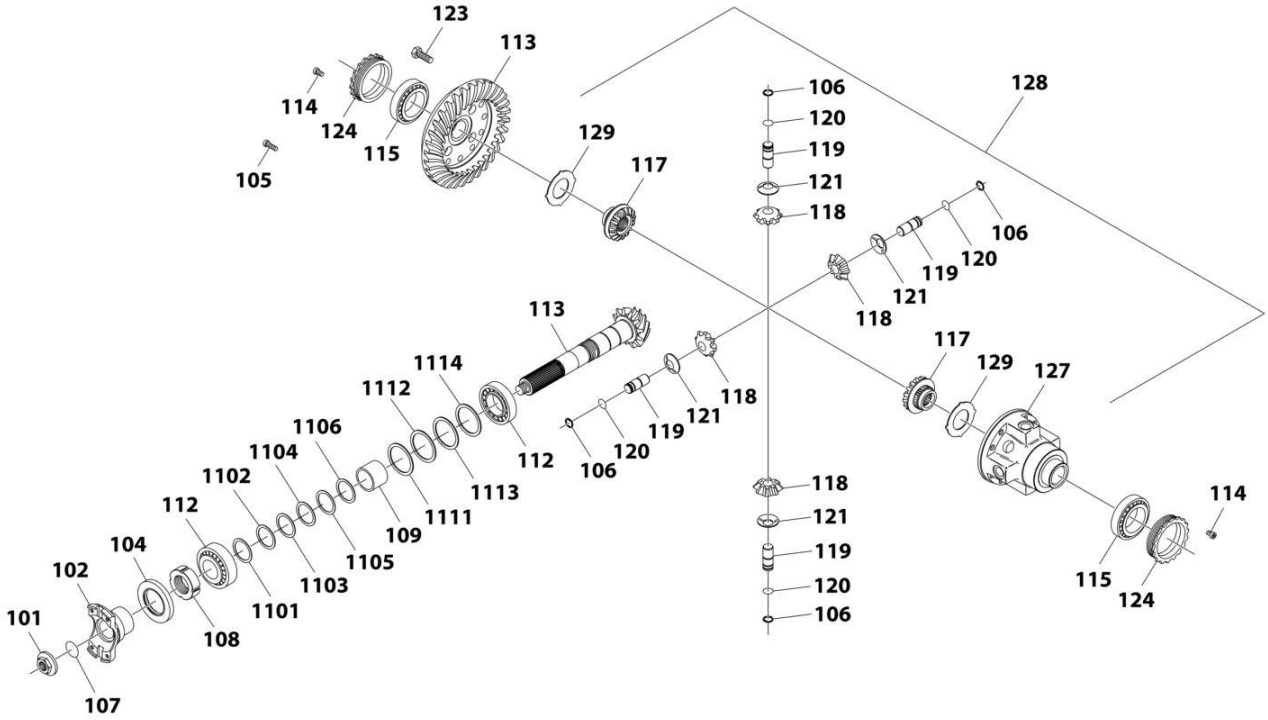
## FIGURE 5-8. DIFFERENTIAL (G6-42A) (SN 0160048658 through 0160065510)



## FIGURE 5-8. DIFFERENTIAL (G6-42A) (SN 0160048658 through 0160065510)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136365 | Ref | AXLE - DIFFERENTIAL | |
| 1 | 91474528 | 1 | NUT | |
| 2 | 70022797 | 1 | FLANGE | |
| 3 | 91474531 | 1 | COVER PLATE | |
| 4 | 70024522 | 1 | SEAL | |
| 5 | 91474591 | 4 | BOLT | |
| 6 | 91474550 | 4 | CIRCLIP | |
| 7 | 91474529 | 1 | O-RING | |
| 8 | 91474533 | 1 | RING NUT | |
| 9 | 91474539 | 1 | SPACER | |
| 10 | 91474535 | AR | SHIM | |
| 10 | 91474536 | AR | SHIM | |
| 10 | 91474537 | AR | SHIM | |
| 10 | 91474538 | AR | SHIM | |
| 11 | 91474540 | AR | SHIM | |
| 11 | 91474541 | AR | SHIM | |
| 11 | 91474542 | AR | SHIM | |
| 11 | 91474543 | AR | SHIM | |
| 12 | 3968141 | 2 | TAPER ROLLER BEARING | |
| 13 | 91474544 | 1 | BEVEL GEAR SET | |
| 14 | 91514134 | 2 | BOLT | |
| 15 | 91474548 | 2 | TAPER ROLLER BEARING | |
| 16 | N.S.S. | 1 | SPACER | |
| 17 | 91474549 | 2 | DIFFERENTIAL SIDE GEAR | |
| 18 | 7029129 | 4 | DIFFERENTIAL PINION | |
| 19 | 7029131 | 4 | PIN | |
| 20 | 91474551 | 4 | CIRCLIP | |
| 21 | 91474553 | 4 | FRICTION WASHER | |
| 23 | 91514123 | 12 | BOLT | |
| 24 | 91474547 | 2 | RING NUT | |
| 25 | N.S.S. | 2 | DISC | |
| 26 | N.S.S. | 4 | DISC | |
| 27 | 8007751 | 1 | DIFFERENTIAL CARRIER | |
| K1 | 7028710 | 1 | LIMITED SLIP DIFFERENTIAL, (includes items 6, 16 thru 22 & 25 thru 27) | |
| K2 | 8007755 | 2 | DISC KIT, (includes items 16, 22, 25 & 26) | |
| K3 | 70022797 | 1 | FLANGE AND COVER PLATE ASSY, (includes items 2 & 3) | |
| K4 | 7029131 | 4 | PPIN & CIRCLIP ASSY, (includes items 19 & 20) | |

## FIGURE 5-9. DIFFERENTIAL (G6-42A) (SN 0160065511 to Present)

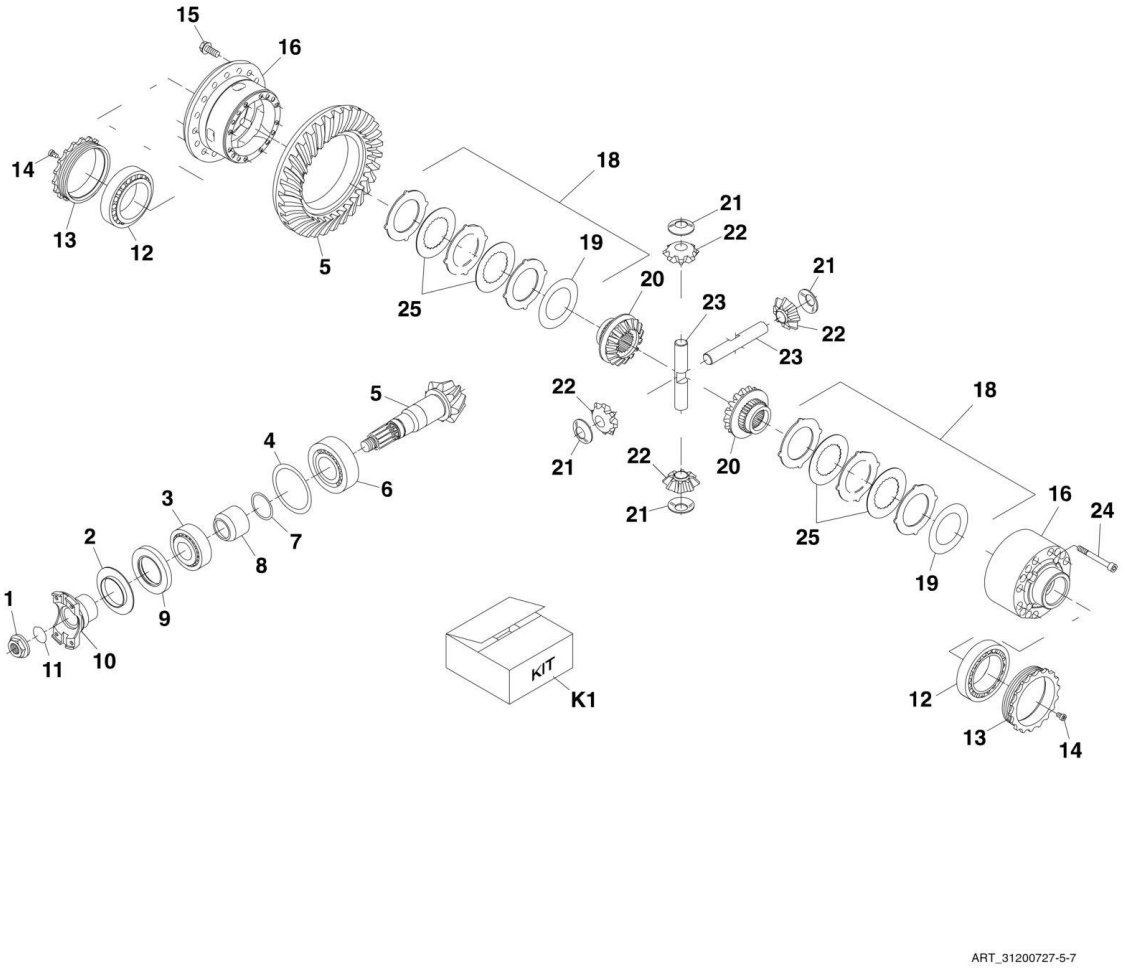



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## FIGURE 5-9. DIFFERENTIAL (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182613 | Ref | AXLE - DIFFERENTIAL | A |
| 101 | 70026631 | 1 | Nut | |
| 102 | 70022797 | 1 | Flange | |
| 104 | 70024522 | 1 | Seal | |
| 105 | 91474591 | 4 | Bolt | |
| 106 | 91474550 | 4 | Circlip | |
| 107 | 91474529 | 1 | O-Ring | |
| 108 | 91474533 | 1 | Nut | |
| 109 | 91474539 | 1 | Spacer | |
| 112 | 3968141 | 2 | Bearing | |
| 113 | 91474544 | 1 | Gear Set | |
| 114 | 91514134 | 2 | Bolt | |
| 115 | 70026031 | 2 | Bearing | |
| 117 | 91474549 | 2 | Gear, Side | |
| 118 | 7029129 | 4 | Pinion | |
| 119 | 7029131 | 4 | Pin | |
| 120 | 91474551 | 4 | Circlip | |
| 121 | 91474553 | 4 | Washer, Friction | |
| 123 | 91514123 | 12 | Bolt | |
| 124 | 91474547 | 2 | Nut | |
| 127 | 8007751 | 1 | Carrier | |
| 128 | 7028710 | 1 | Kit, Differential (Includes Items 106, 117-121, 127 & 129) | |
| 129 | 8007755 | 2 | Kit, Disc (Includes 6 Discs) | |
| 1101 | 91474535 | 1 | Shim | |
| 1102 | 91474536 | 1 | Shim | |
| 1103 | 91474537 | 1 | Shim | |
| 1104 | 91474538 | 1 | Shim | |
| 1105 | 70024520 | 1 | Shim | |
| 1106 | 70024521 | 1 | Shim | |
| 1111 | 91474540 | 1 | Shim | |
| 1112 | 91474541 | 1 | Shim | |
| 1113 | 91474542 | 1 | Shim | |
| 1114 | 91474543 | 1 | Shim | |

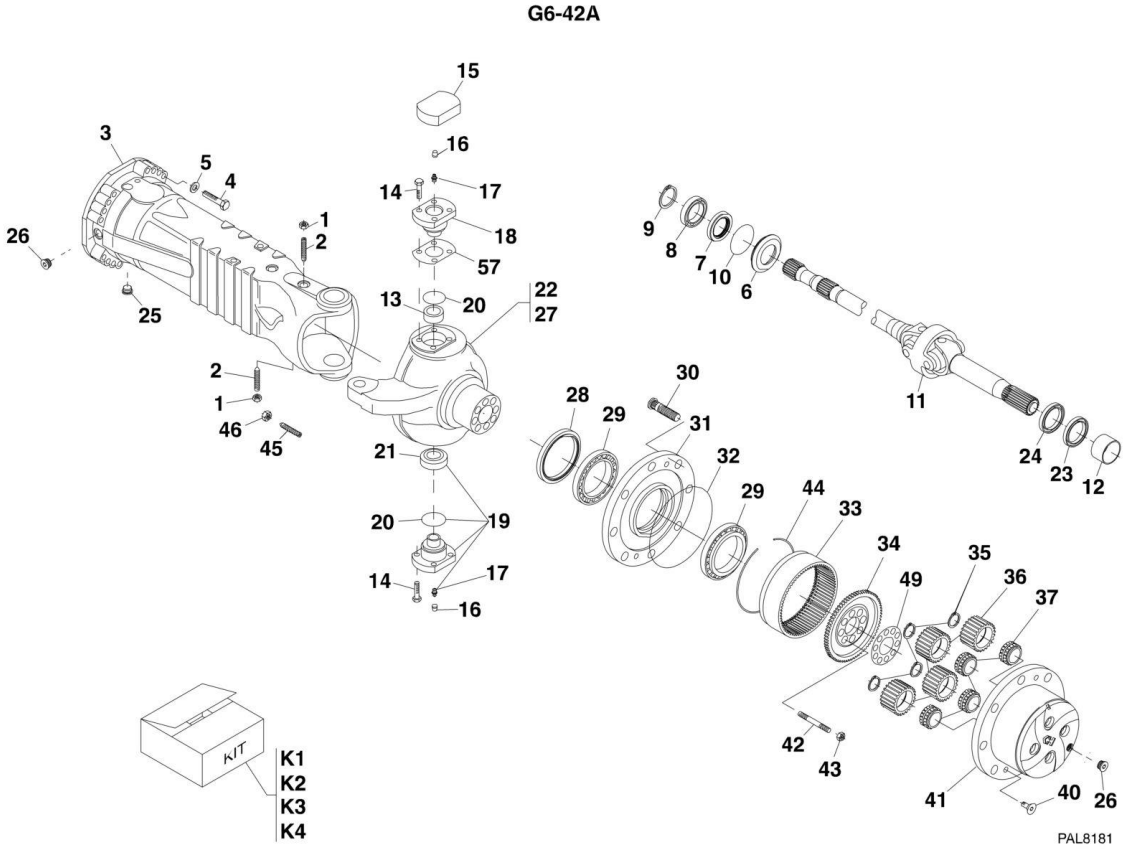
## FIGURE 5-10. DIFFERENTIAL (G10-43A,G9-43A)



## FIGURE 5-10. DIFFERENTIAL (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136367 | Ref | AXLE - DIFFERENTIAL | |
| 1 | 80204043 | 1 | NUT | |
| 2 | 91514130 | 1 | COVERPLATE | |
| 3 | 80204048 | 1 | TAPER ROLLER BEARINGS | |
| 4 | 70023469 | 1 | SHIM | |
| 5 | 91514124 | 1 | BEVEL GEAR SET | |
| 6 | 80204035 | 1 | TAPER ROLLER BEARING | |
| 7 | 70023494 | 1 | RING KIT | |
| 8 | 70022140 | 1 | SPACER | |
| 9 | 70025887 | 1 | SEAL | |
| 10 | 91514131 | 1 | FLANGE | |
| 11 | 10725554 | 1 | O-RING | |
| 12 | 80204033 | 2 | TAPER ROLLER BEARING | |
| 13 | 91514133 | 2 | RING NUT | |
| 14 | 91514134 | 2 | BOLT | |
| 15 | 91514123 | 16 | BOLT | |
| 16 | 70024004 | 1 | DIFFERENTIAL CARRIER | |
| 18 | 70023496 | 2 | CLUTCH DISC, (includes items 19 and 25) | |
| 19 | N.S.S. | 2 | DISC | |
| 20 | 70025856 | 2 | DIFFERENTIAL SIDE GEAR | |
| 21 | 70023491 | 4 | FRICTION WASHER | |
| 22 | 70025339 | 4 | DIFFERENTIAL PINION | |
| 23 | 70023490 | 2 | DIFFERENTIAL SHAFT | |
| 24 | 91514143 | 15 | BOLT | |
| 25 | N.S.S. | 4 | DISC | |
| K1 | 70024005 | 1 | DIFFERENTIAL KIT, (includes items 16 thru 25) | |

## FIGURE 5-11. HUB REDUCTION (G6-42A) (SN 0160048658 through 0160065510)



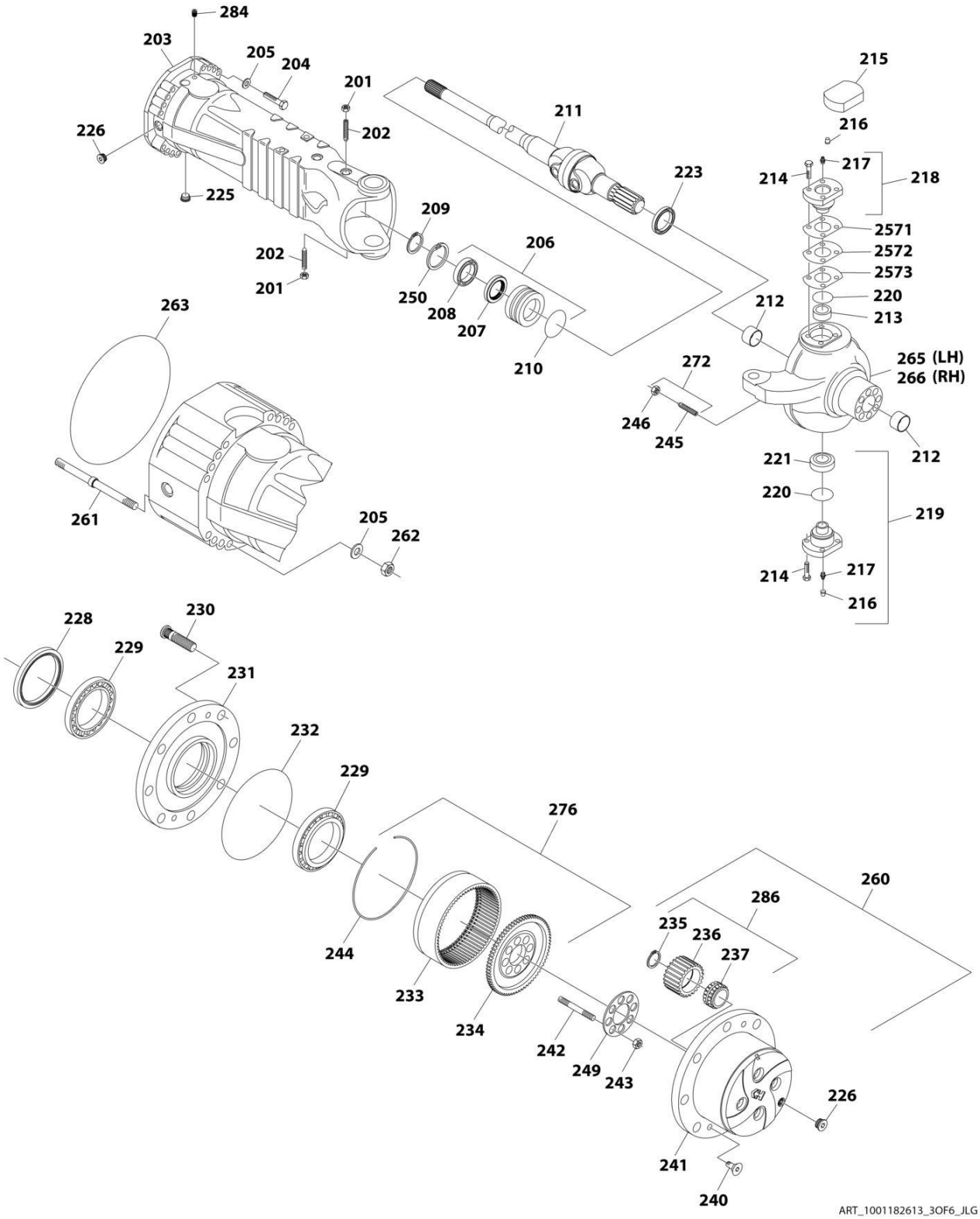
## FIGURE 5-11. HUB REDUCTION (G6-42A) (SN 0160048658 through 0160065510)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136365 | Ref | AXLE - HUB REDUCTION | |
| 1 | 91514082 | 2 | NUT | |
| 2 | 91514081 | 2 | BOLT | |
| 3 | N.S.S. | 2 | AXLE CASE | |
| 4 | N.S.S. | 24 | BOLT | |
| 5 | 91514084 | 8 | WASHER | |
| 6 | 91514149 | 2 | REDUCTION BUSHING | |
| 7 | 91514147 | 2 | SEAL | |
| 8 | 91514146 | 2 | BALL BEARING | |
| 9 | 80204071 | 2 | CIRCLIP | |
| 10 | 91514148 | 2 | O-RING | |
| 11 | 70025810 | 2 | JOINT | |
| 12 | 91514111 | 1 | THRUST BUSHING | |
| 13 | 7028714 | 2 | BUSHING | |
| 14 | 91514123 | 24 | BOLT | |
| 15 | 91474524 | 2 | COVER | |
| 16 | 80204117 | 2 | PLUG | |
| 17 | 91514099 | 2 | GREASE FITTING | |
| 18 | 91514112 | 2 | PIVOT PIN | |
| 19 | 7028715 | 2 | PIVOT PIN | |
| 20 | 7028716 | 2 | DUST EXCLUDER | |
| 21 | 91514095 | 2 | BEARING | |
| 22 | 91474527 | 1 | STEERING CASE | |
| 23 | 70025857 | 2 | SEAL | |
| 25 | 91474513 | 2 | MAGNET PLUG | |
| 26 | 91514188 | 4 | PLUG | |
| 27 | 91474526 | 1 | STEERING CASE | |
| 28 | 7028721 | 2 | SEAL | |
| 29 | 91474576 | 4 | BEARING | |
| 30 | 80214120 | NLA | Stud, Wheel (Use PN 70030365) | |
| 30 | 70030365 | 20 | Stud, Wheel | |
| 31 | 7029737 | 2 | WHEEL HUB | |
| 32 | 91514181 | 2 | O-RING | |
| 33 | 91474580 | 2 | RING GEAR | |
| 34 | 91474581 | 2 | RING GEAR SUPPORT | |
| 35 | 91474585 | 8 | CIRCLIP | |
| 36 | 91474586 | 8 | PLANET GEAR | |
| 37 | 91474587 | 8 | BEARING | |
| 40 | 91514189 | 4 | COUNTERSUNK BOLT | |
| 41 | 7029286 | 2 | PLANET GEAR CARRIER | |
| 42 | 91474583 | 20 | STUD | |
| 43 | 91474584 | 20 | NUT | |
| 44 | 91474579 | 2 | CIRCLIP | |
| 45 | 91514117 | 4 | BOLT | |
| 46 | 80204065 | 4 | NUT | |
| 49 | 91474582 | 2 | LOCKING PLATE | |
| 50 | 80204005 | 2 | CIRCLIP | |
| 57 | 70025561 | 1 | SHIM KIT | |
| 61 | N.S.S. | 8 | STUD | |
| 62 | 91514083 | 8 | NUT | |

# SECTION 5 - DRIVE TRAIN

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 63 | 91474507 | 2 | O-RING | |
| K1 | 7029431 | 2 | PLANET GEAR CARRIER KIT, (includes items 35 thru 37 & 41) | |
| K2 | 91474527 | 1 | LEFT STEERING CASE KIT, (includes items 12 & 22) | |
| K3 | 91474526 | 1 | RIGHT STEERING CASE KIT, (includes items 12 & 27) | |
| K4 | 7028733 | 4 | STEERING ADJUSTING BOLT KIT, (includes items 45 & 46) | |

## FIGURE 5-12. HUB REDUCTION (G6-42A) (SN 0160065511 to Present)



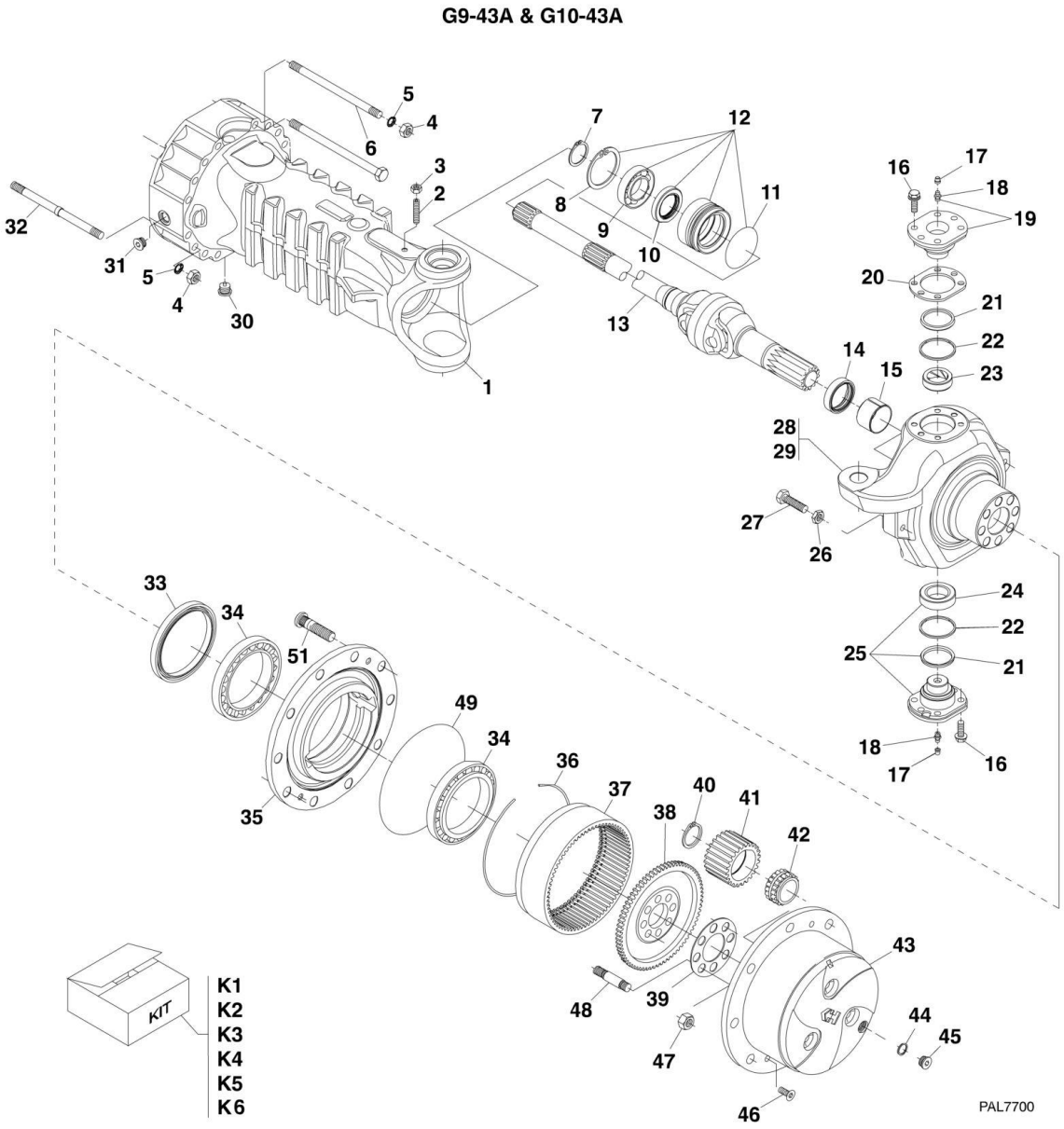
## FIGURE 5-12. HUB REDUCTION (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182613 | Ref | AXLE - HUB REDUCTION | A |
| 201 | 91514082 | 2 | Nut | |
| 202 | 91514081 | 2 | Bolt | |
| 203 | 70025011 | 2 | Case, Axle | |
| 204 | 70025012 | 24 | Bolt | |
| 205 | 91514084 | 8 | Washer | |
| 206 | 91514149 | 2 | Kit, Reduction Bushing and Seals (Includes Bushing & Items 207, 208 & 210) | |
| 207 | 91514147 | 2 | Seal | |
| 208 | 91514146 | 2 | Bearing | |
| 209 | 80204071 | 2 | Circlip | |
| 210 | 91514148 | 2 | O-Ring | |
| 211 | 70026624 | 2 | Joint, Double Universal | |
| 212 | 91514111 | 1 | Bushing | |
| 213 | 7028714 | 2 | Bushing | |
| 214 | 70025562 | 24 | Bolt | |
| 215 | 91474524 | 2 | Cover | |
| 216 | 80204117 | 2 | Plug | |
| 217 | 91514099 | 2 | Fitting, Grease | |
| 218 | 91514112 | 2 | Pin, Pivot | |
| 219 | 7028715 | 2 | Pin, Pivot (Includes Items 214, 216, 217, 220 & 221) | |
| 220 | 7028716 | 2 | Cover, Dust | |
| 221 | 91514095 | 2 | Bearing | |
| 223 | 70026238 | 2 | Seal | |
| 225 | 91474513 | 2 | Plug | |
| 226 | 91514188 | 4 | Plug | |
| 228 | 7028721 | 2 | Seal | |
| 229 | 91474576 | 4 | Bearing | |
| 230 | 80214120 | 20 | Stud, Wheel | |
| 231 | 7029737 | 2 | Hub | |
| 232 | 91514181 | 2 | O-Ring | |
| 233 | 91474580 | 2 | Gear, Ring | |
| 234 | 91474581 | 2 | Support | |
| 235 | 91474585 | 4 | Circlip | |
| 236 | 91474586 | 8 | Gear, Planet | |
| 237 | 91474587 | 8 | Bearing | |
| 240 | 91514189 | 4 | Screw | |
| 241 | 7029286 | 1 | Carrier, Planet Gear | |
| 242 | 91474583 | 20 | Stud | |
| 243 | 91474584 | 20 | Nut | |
| 244 | 91474579 | 2 | Circlip | |
| 245 | 91514117 | 4 | Bolt | |
| 246 | 80204065 | 4 | Nut | |
| 249 | 91474582 | 2 | Plate | |
| 250 | 80204005 | 2 | Circlip | |
| 260 | 7029431 | 2 | Kit, Planet Gear Carrier (Includes Items 235-237 & 241) | |
| 261 | 70025014 | 8 | Stud | |
| 262 | 91514083 | 8 | Nut | |
| 263 | 91474507 | 2 | O-Ring | |
| 265 | 70026391 | 1 | Kit, Steering Case (LH) (Includes Item 212) | |

# SECTION 5 - DRIVE TRAIN

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 266 | 70026392 | 1 | Kit, Steering Case (RH) (Includes Item 212) | |
| 272 | 7028733 | 4 | Kit, Steering Adjust Bolt (Includes Items 245 & 246) | |
| 276 | 7029736 | 2 | Kit, Ring Gear Support (Includes Items 233, 234 & 244) | |
| 284 | 80204012 | 1 | Plug | |
| 286 | 70023900 | 8 | Kit, Planet Gear (Includes Items 235-237) | |
| 2571 | 91514113 | 2 | Shim | |
| 2572 | 91514114 | 2 | Shim | |
| 2573 | 91514115 | 2 | Shim | |

## FIGURE 5-13. HUB REDUCTION (G10-43A,G9-43A)



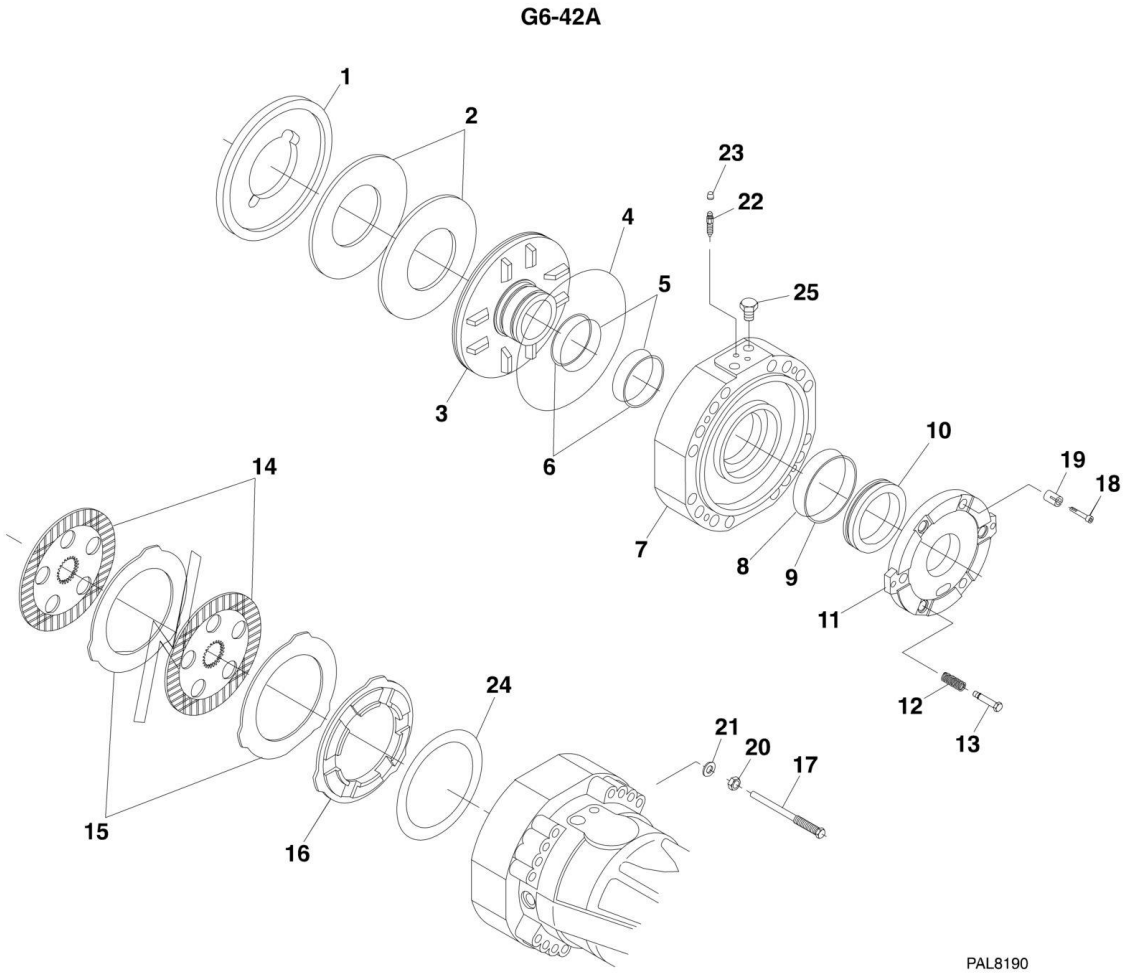
## FIGURE 5-13. HUB REDUCTION (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136367 | Ref | AXLE - HUB REDUCTION | |
| 1 | N.S.S. | 2 | AXLE CASE | |
| 2 | 91514081 | 2 | BOLT | |
| 3 | 91514082 | 2 | NUT | |
| 4 | 91514083 | 8 | NUT | |
| 5 | 91514084 | 8 | WASHER | |
| 6 | 7029309 | 24 | BOLT | |
| 7 | 80204071 | 2 | CIRCLIP | |
| 8 | 80204005 | 2 | CIRCLIP | |
| 9 | 91514146 | 2 | BALL BEARING | |
| 10 | 91514147 | 2 | SEAL | |
| 11 | 91514148 | 2 | O-RING | |
| 12 | 91514149 | 2 | REDUCTION BUSHING | |
| 13 | 70024671 | 2 | DOUBLE UNIVERSAL JOINT | |
| 14 | 70025857 | 2 | SEAL | |
| 15 | 91514111 | 1 | THRUST BUSHING | |
| 16 | 91514123 | 24 | BOLT | |
| 18 | 91514099 | 2 | GREASE FITTING | |
| 19 | 91514112 | 2 | PIVOT PIN | |
| 20 | 70025561 | 1 | SHIM KIT | |
| 21 | 7028716 | 2 | DUST EXCLUDER | |
| 23 | 7028714 | 2 | BUSHING | |
| 24 | 91514095 | 2 | BEARING | |
| 25 | 7028715 | 2 | PIVOT PIN | |
| 26 | 80204065 | 4 | NUT | |
| 27 | 91514117 | 4 | BOLT | |
| 28 | 7029750 | 1 | LH STEERING CASE | |
| 29 | 7029295 | 1 | RH STEERING CASE | |
| 30 | 70021177 | 2 | MAGNET PLUG | |
| 31 | 91514087 | 2 | PLUG | |
| 32 | 70024851 | 8 | STUD | |
| 33 | 7029300 | 2 | SEAL | |
| 34 | 80204076 | 4 | TAPER ROLLER BEARING | |
| 35 | 91514174 | 2 | WHEEL HUB | |
| 36 | 91514175 | 2 | CIRCLIP | |
| 37 | 70024147 | 2 | RING GEAR | |
| 38 | 91514177 | 2 | RING GEAR SUPPORT | |
| 39 | 91514178 | 2 | LOCKING PLATE | |
| 40 | 91514184 | 6 | SNAP RING | |
| 41 | 91514185 | 6 | PLANET GEAR | |
| 42 | 91514186 | 6 | BEARING | |
| 43 | 7026731 | 2 | PLANET GEAR CARRIER | |
| 45 | 91514188 | 2 | PLUG | |
| 46 | 91514189 | 4 | COUNTERSUNK BOLT | |
| 47 | 91514179 | 16 | NUT | |
| 48 | 91514180 | 16 | STUD | |
| 49 | 91514181 | 2 | O-RING | |
| 51 | 80214120 | 20 | WHEEL STUD | |
| 53 | 91514089 | 2 | O-RING | |
| K1 | 7029733 | 2 | PLANET GEAR CARRIER KIT, (includes items 40 thru 43) | |

# SECTION 5 - DRIVE TRAIN

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| K2 | 7029750 | 1 | LEFT STEERING CASE KIT, (includes items 15 & 28) | |
| K3 | 7029751 | 1 | RIGHT STEERING CASE KIT, (includes items 15 & 29) | |
| K4 | 7028733 | 4 | STEERING ADJUST BOLT KIT, (includes items 26 & 27) | |
| K5 | 70024146 | 2 | RING GEAR SUPPORT KIT, (includes items 36 thru 38) | |
| K6 | 70025972 | 2 | PLANET & RING GEARS SUPPORT KIT (Includes Items 36 thru 38 & 40 thru 43) | |

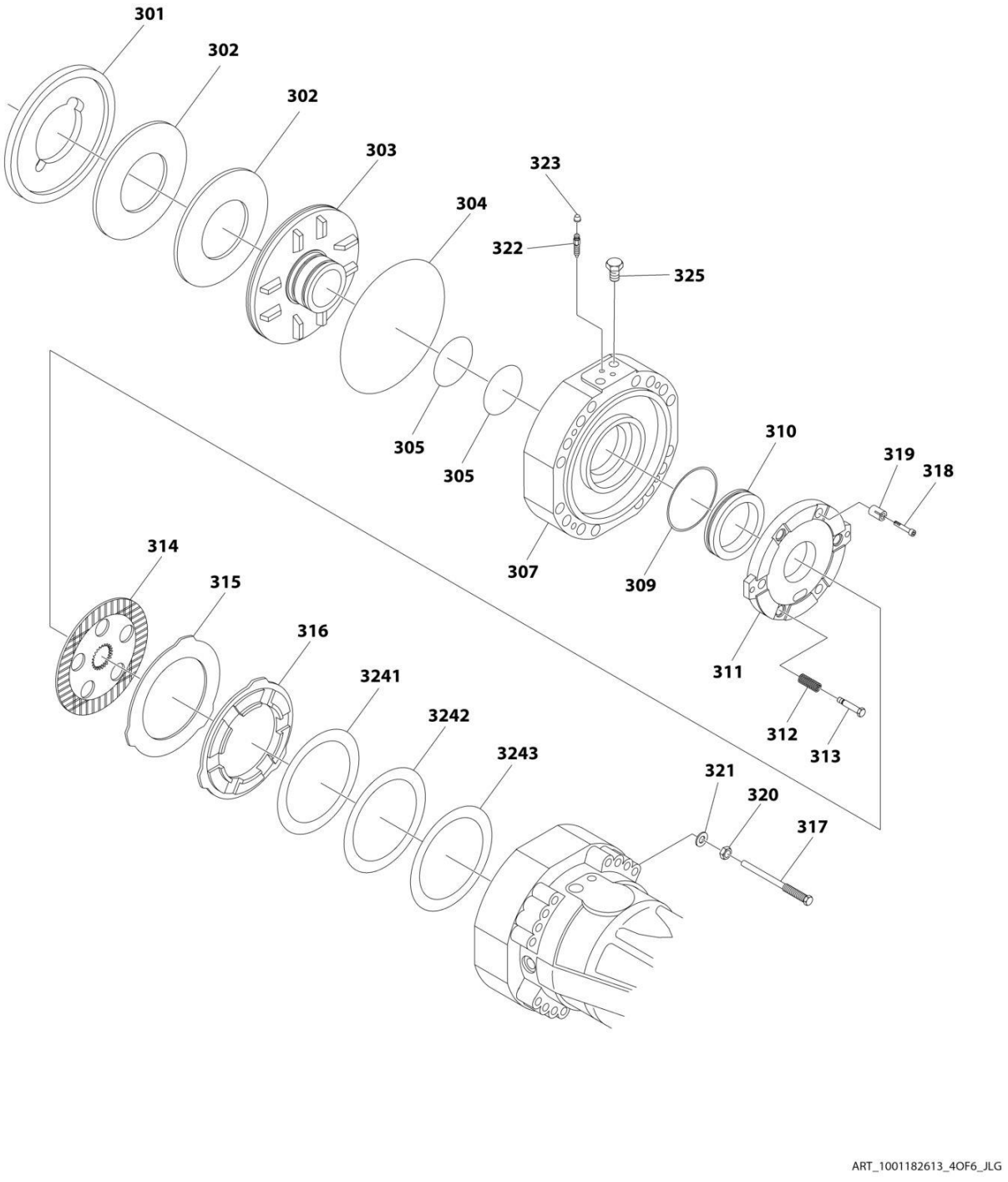
## FIGURE 5-14. BRAKES (G6-42A) (SN 0160048658 through 0160065510)



## FIGURE 5-14. BRAKES (G6-42A) (SN 0160048658 through 0160065510)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136365 | Ref | AXLE - BRAKES | |
| 1 | 7028734 | 1 | SPACER | |
| 2 | 91474559 | 4 | SPRING | |
| 3 | 91474560 | 2 | PISTON | |
| 4 | 91474561 | 2 | O-RING | |
| 5 | 91514167 | 4 | O-RING | |
| 6 | 91514153 | 4 | BACKUP RING | |
| 7 | 7028735 | 2 | COVER | |
| 8 | 91474562 | 2 | O-RING | |
| 9 | 91474563 | 2 | BACKUP RING | |
| 10 | 91474564 | 2 | PISTON | |
| 11 | 91474565 | 2 | INTERMEDIATE BRAKE DISC | |
| 12 | 91514159 | 6 | SPRING | |
| 13 | 70024210 | 6 | ADJUSTING BOLT | |
| 14 | 91474568 | 8 | DISC | |
| 15 | 91474569 | 8 | INTERMEDIATE BRAKE DISC | |
| 16 | 91474570 | 2 | SPACER | |
| 17 | 70024213 | 4 | BOLT | |
| 18 | 7029788 | 6 | ADJUSTING BOLT | |
| 19 | 91514165 | 6 | SPRING | |
| 20 | 80204060 | 4 | NUT | |
| 21 | 80204108 | 4 | LOCKWASHER | |
| 22 | 80204281 | 4 | BLEEDING BOLT | |
| 23 | 80204117 | 4 | PLUG | |
| 24 | 70025981 | 1 | SHIM | |
| 25 | 91514154 | 4 | PLUG | |

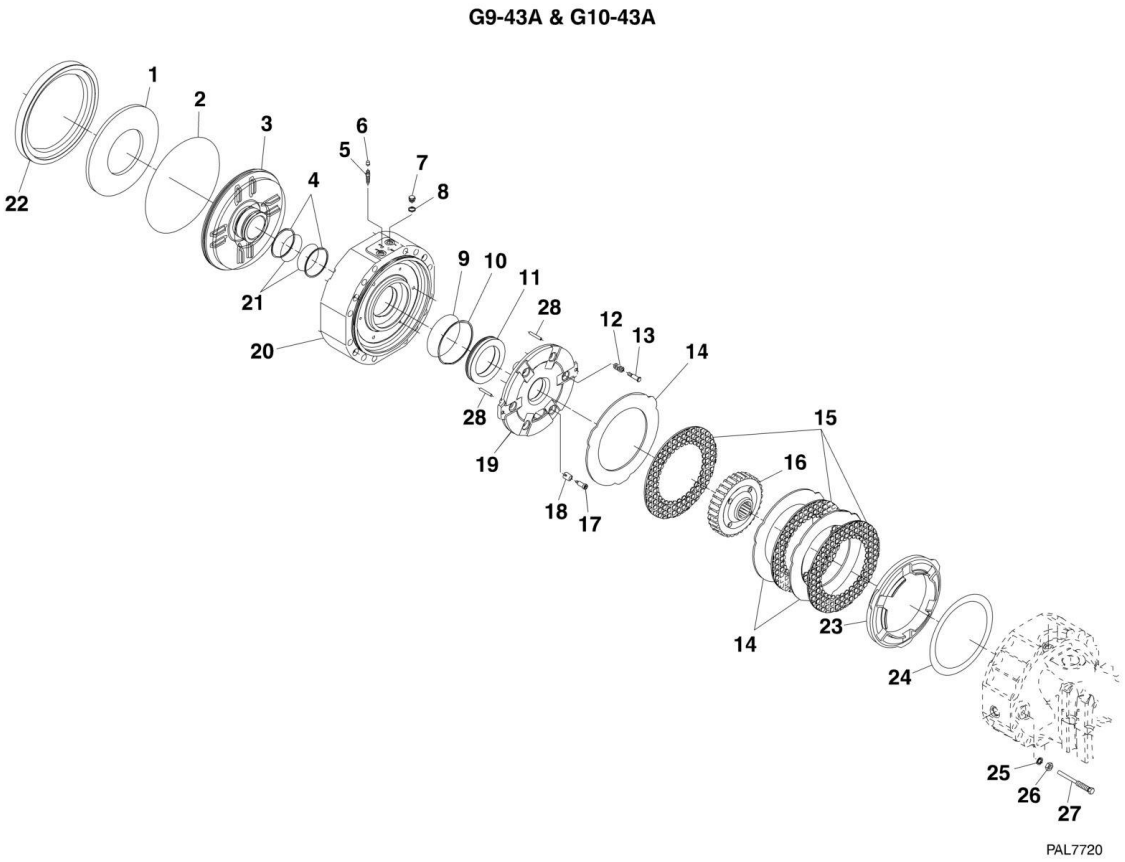
**FIGURE 5-15. BRAKES (G6-42A) (SN 0160065511 to Present)**



## FIGURE 5-15. BRAKES (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182613 | Ref | AXLE - BRAKES | A |
| 301 | 7028734 | 1 | Spacer | |
| 302 | 91474559 | 4 | Spring | |
| 303 | 91474560 | 2 | Piston | |
| 304 | 91474561 | 2 | O-Ring | |
| 305 | 70026262 | 4 | Seal | |
| 307 | 7028735 | 2 | Cover | |
| 309 | 70026623 | 2 | Seal | |
| 310 | 91474564 | 2 | Piston | |
| 311 | 91474565 | 2 | Disc, Intermediate Brake | |
| 312 | 91514159 | 6 | Spring | |
| 313 | 70024210 | 6 | Bolt, Adjusting | |
| 314 | 91474568 | 8 | Disc | |
| 315 | 70025823 | 8 | Disc, Intermediate Brake | |
| 316 | 91474570 | 2 | Spacer | |
| 317 | 70024213 | 4 | Bolt | |
| 318 | 7029788 | 6 | Bolt, Adjusting | |
| 319 | 91514165 | 6 | Spring | |
| 320 | 80204060 | 4 | Nut | |
| 321 | 80204108 | 4 | Washer | |
| 322 | 80204281 | 4 | Bolt, Bleeding | |
| 323 | 80204117 | 4 | Plug | |
| 325 | 91514154 | 4 | Plug | |
| 3241 | 91474571 | 2 | Shim | |
| 3242 | 91474572 | 2 | Shim | |
| 3243 | 91474573 | 2 | Shim | |

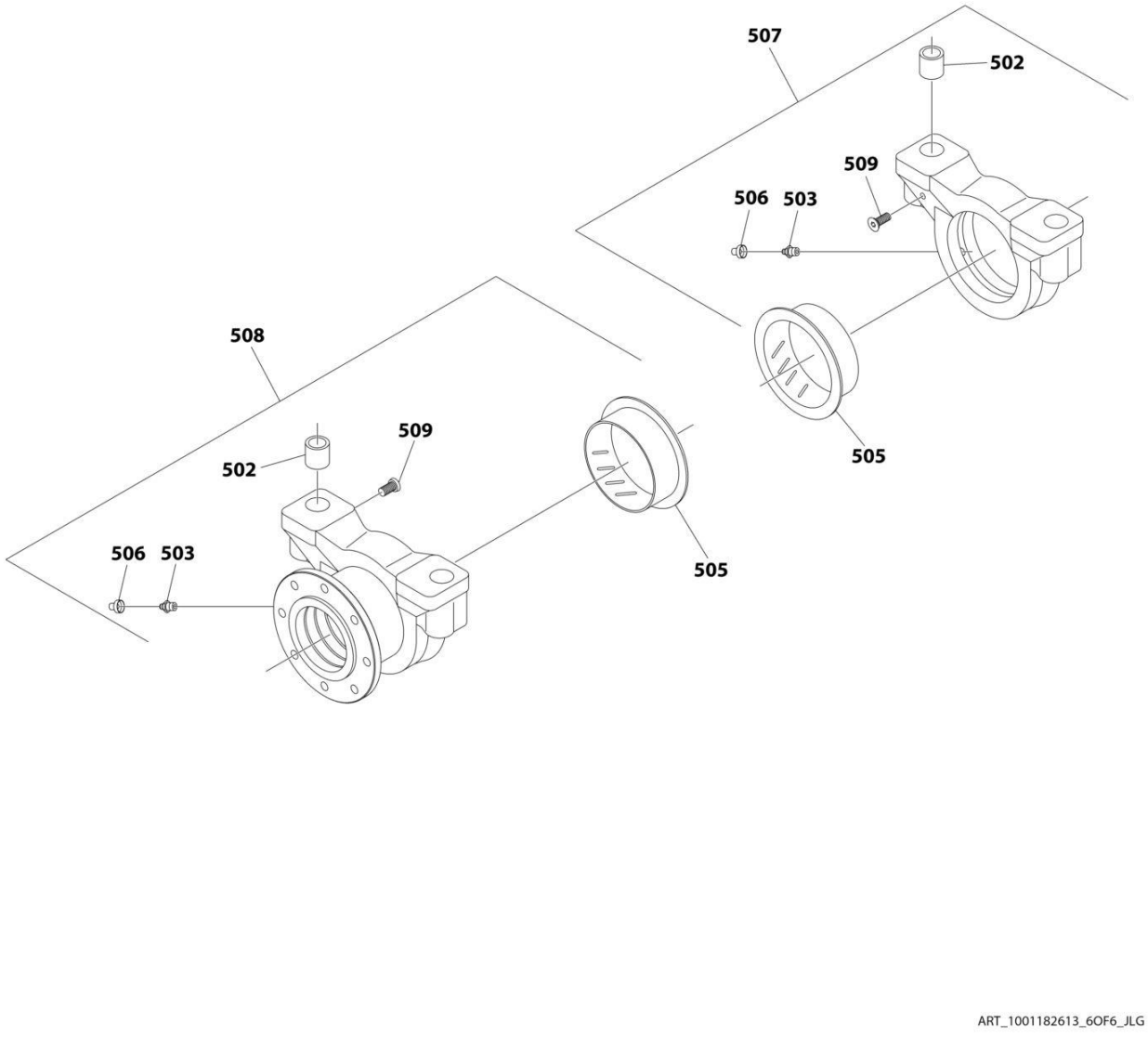
## FIGURE 5-16. BRAKES (G10-43A,G9-43A)



## FIGURE 5-16. BRAKES (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136367 | Ref | AXLE - BRAKES | |
| 1 | 91514151 | 2 | SPRING | |
| 2 | 91514089 | 2 | O-RING | |
| 3 | 91514152 | 2 | PISTON | |
| 4 | 91514153 | 4 | BACKUP RING | |
| 5 | 80204281 | 4 | BLEEDING BOLT | |
| 6 | 80204117 | 4 | PLUG | |
| 7 | 91514154 | 4 | PLUG | |
| 9 | 91514156 | 2 | O-RING | |
| 10 | 91514157 | 2 | BACKUP RING | |
| 11 | 91514158 | 2 | PISTON | |
| 12 | 91514159 | 6 | SPRING | |
| 13 | 70024210 | 6 | ADJUSTING BOLT | |
| 14 | 91514161 | 6 | INTERMEDIATE BRAKE DISC | |
| 15 | 7029735 | 6 | BRAKE DISC | |
| 16 | 7029734 | 2 | REDUCTION BUSHING | |
| 17 | 7029787 | 1 | ADJUSTING BOLT | |
| 18 | 91514165 | 6 | SPRING | |
| 19 | 70024849 | 2 | DISC, INTERMEDIATE BRAKE | |
| 20 | 70024848 | 2 | COVER | |
| 21 | 91514167 | 4 | O-RING | |
| 23 | 7029298 | 2 | SPACER | |
| 24 | 70025970 | 1 | SHIM | |
| 25 | 80204108 | 4 | LOCKWASHER | |
| 26 | 80204060 | 4 | NUT | |
| 27 | 70024213 | 4 | BOLT | |
| 28 | 70024215 | 4 | DOWEL | |

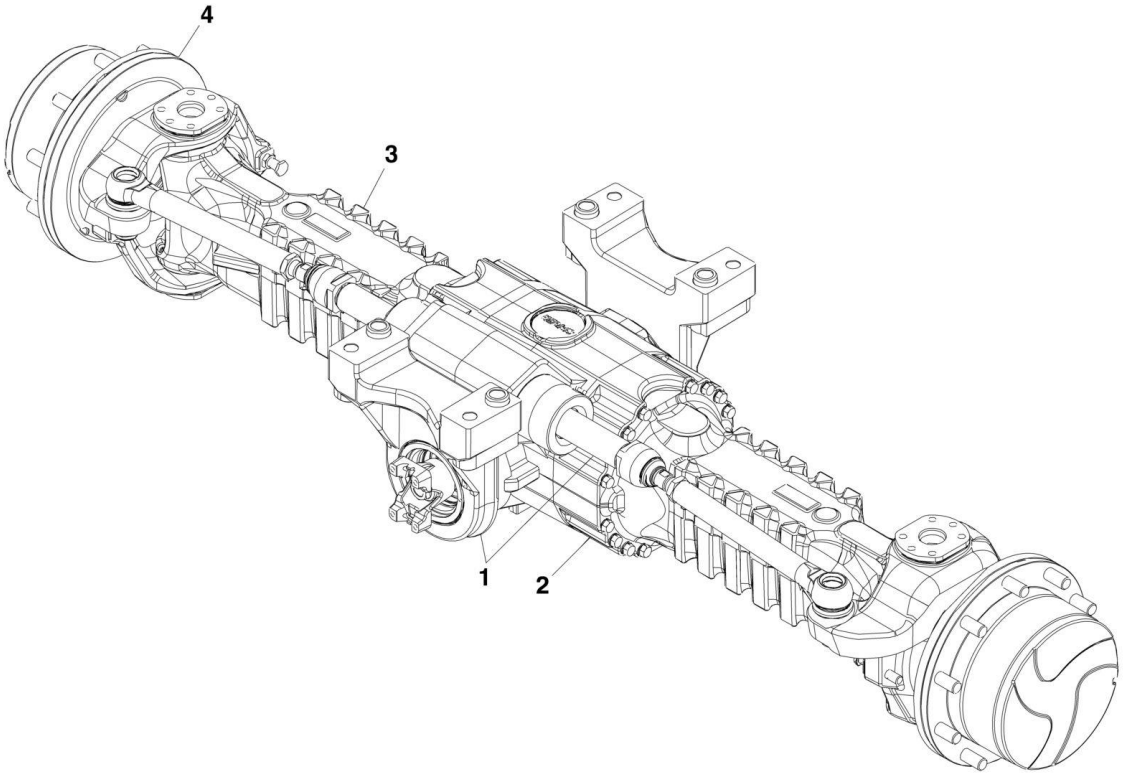
**FIGURE 5-17. TRUNION (G6-42A) (SN 0160065511 to Present)**



## FIGURE 5-17. TRUNION (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182613 | Ref | AXLE - TRUNION | A |
| 502 | 91474516 | 4 | Bushing, Reduction | |
| 503 | 91514099 | 2 | Fitting, Grease | |
| 505 | 91474515 | 2 | Bushing | |
| 506 | 80204117 | 2 | Plug | |
| 507 | 70026065 | 1 | Kit, Trunion - Rear (Includes Items 502, 503, 505, 506 & 509) | |
| 508 | 70026064 | 1 | Kit, Trunion - Front (Includes Items 502, 503, 505, 506 & 509) | |
| 509 | 70025884 | 2 | Screw | |

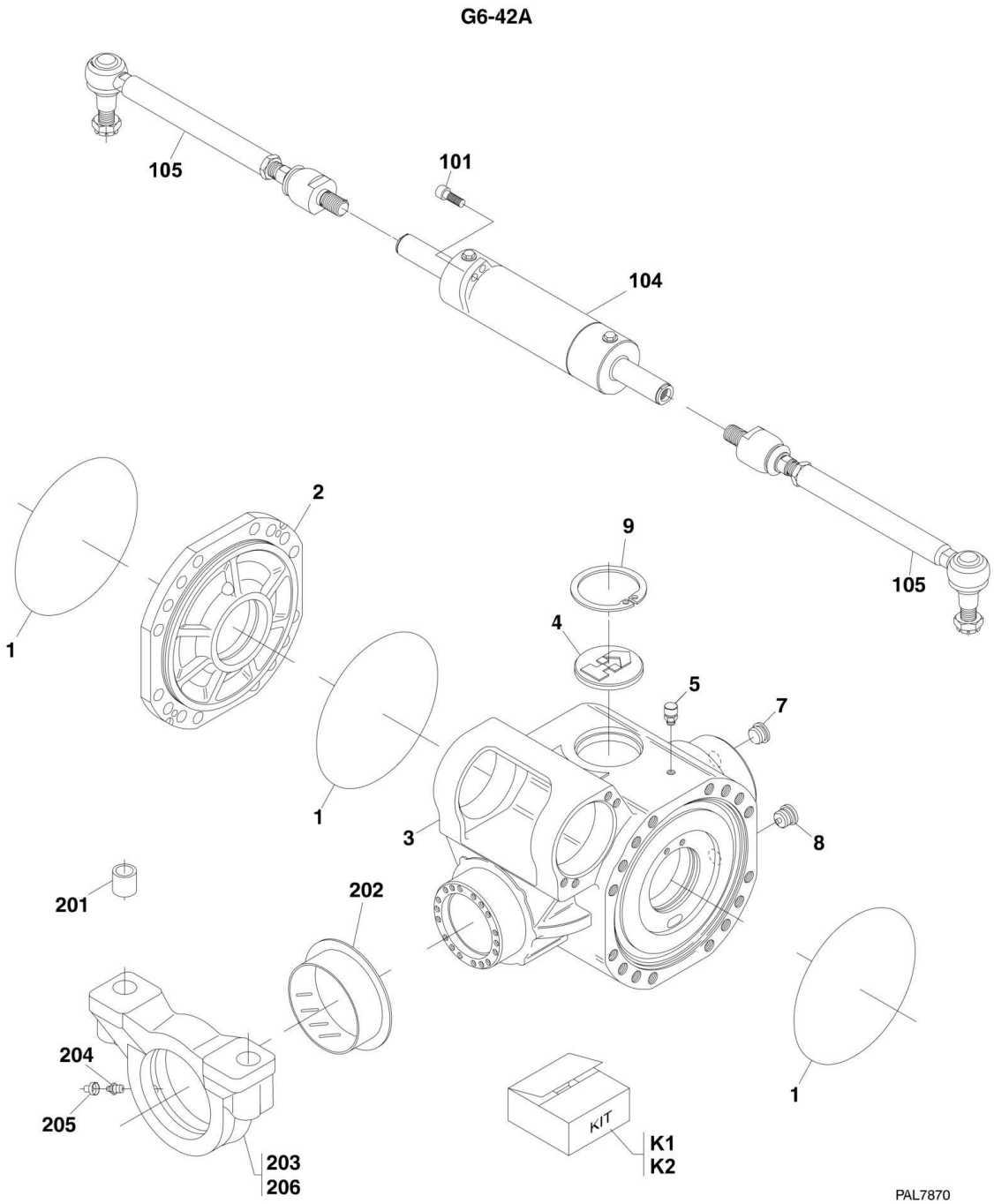
**FIGURE 5-18. REAR AXLE (G6-42A SN 0160048658 through 0160065511)**



## FIGURE 5-18. REAR AXLE (G6-42A SN 0160048658 through 0160065511)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136366 | 1 | REAR AXLE (includes all items) (G6-42A) **(Prior to SN 0160065511)** | E |
| | 1001136368 | 1 | REAR AXLE (includes all items) (G10-43A,G9-43A) **(Prior to SN 0160064120)** | E |
| 1 | | Ref | CENTRAL HOUSING AND STEERING, (See CENTRAL HOUSING AND STEERING for Breakdown) | |
| 2 | | Ref | DIFFERENTIAL, (See DIFFERENTIAL for Breakdown) | |
| 3 | | Ref | HUB REDUCTION, (See HUB REDUCTION for Breakdown) | |
| 4 | | Ref | BRAKES, (See BRAKES for Breakdown) | |

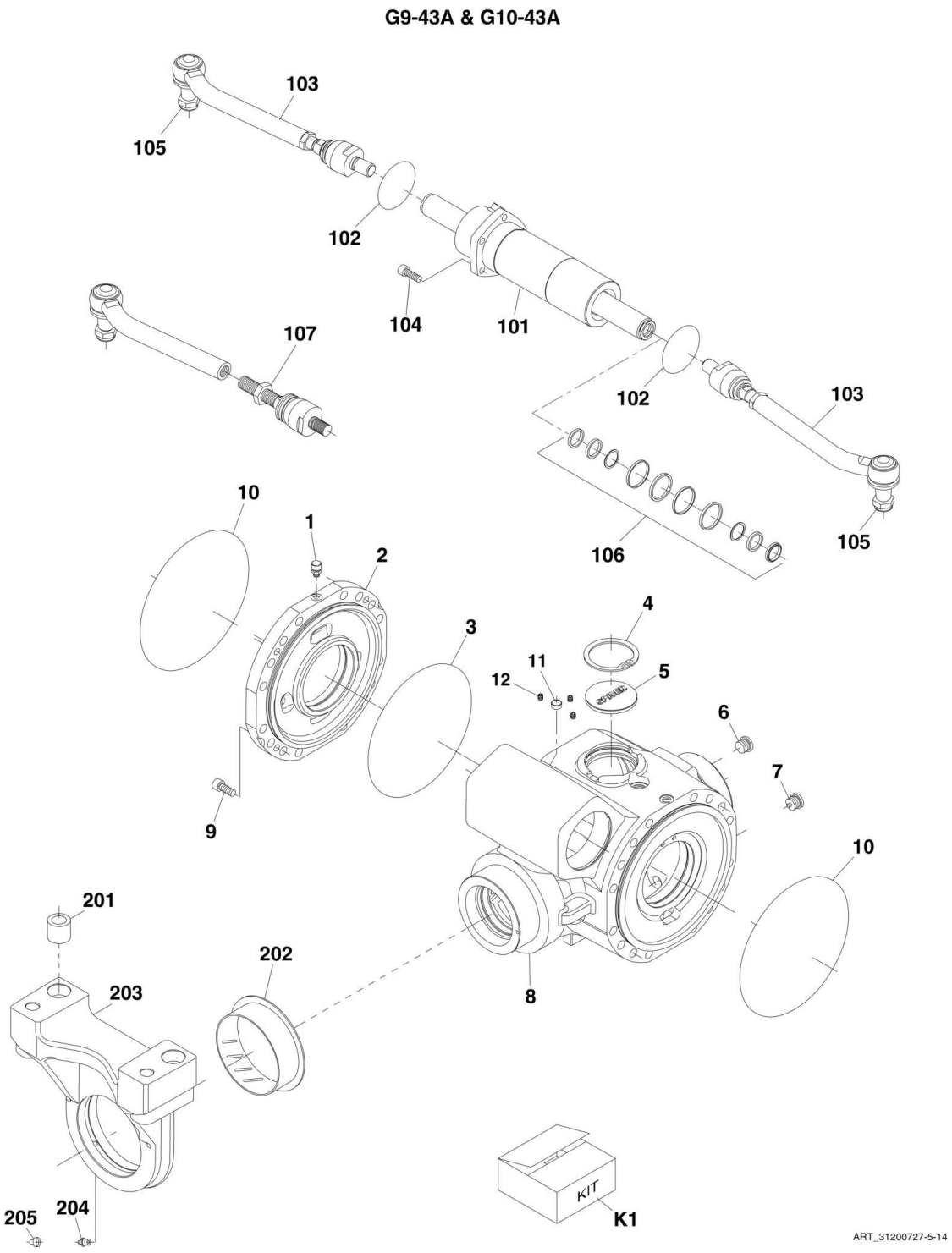
## FIGURE 5-19. CENTRAL HOUSING AND STEERING (G6-42A) (Prior to SN 0160065511)



## FIGURE 5-19. CENTRAL HOUSING AND STEERING (G6-42A) (Prior to SN 0160065511)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136366 | Ref | AXLE - CENTRAL HOUSING AND STEERING | |
| 1 | 91474507 | 3 | O-RING | |
| 2 | 70024519 | 1 | INTERMEDIATE COVER | |
| 3 | 7029279 | 1 | HOUSING | |
| 4 | 91514098 | 1 | PLUG | |
| 5 | 91474512 | 1 | VENT | |
| 7 | 91514188 | 1 | PLUG | |
| 8 | 91474513 | 1 | MAGNET PLUG | |
| 9 | 80204005 | 1 | CIRCLIP | |
| 101 | 91474522 | 4 | BOLT | |
| 104 | 7029528 | 1 | STEERING CYLINDER | |
| 105 | 91474521 | 2 | TIE ROD | |
| 201 | 91474516 | 2 | REDUCTION BUSHING | |
| 202 | 91474515 | 1 | THRUST BUSHING | |
| 203 | 7029282 | 1 | FRONT SUPPORT | |
| 204 | 91514099 | 1 | GREASE FITTING | |
| 205 | 80204117 | 1 | PLUG | |
| 206 | 7029283 | 1 | REAR SUPPORT | |
| K1 | 7029282 | 1 | FRONT SUPPORT ASSY, (includes items 201 thru 205) | |
| K2 | 7029283 | 1 | REAR SUPPORT ASSY, (includes items 201, 202 & 204 thru 206) | |

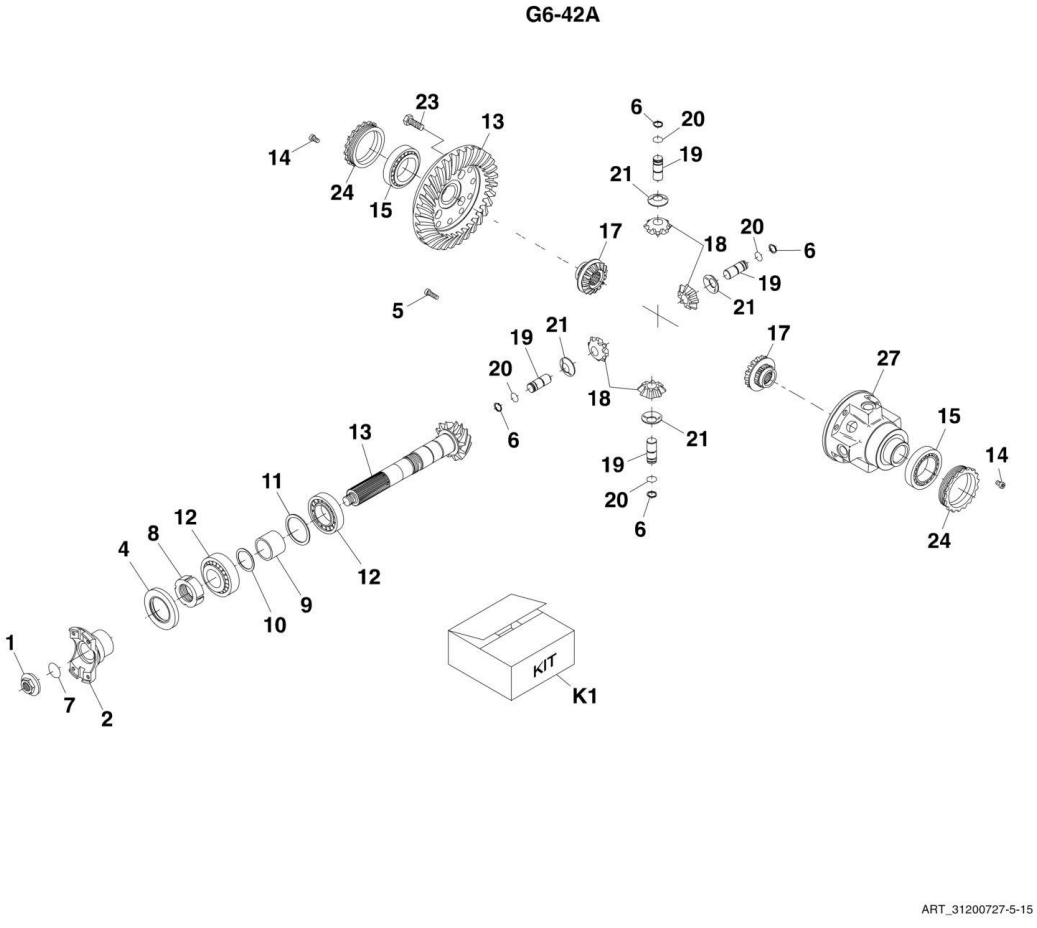
## FIGURE 5-20. CENTRAL HOUSING AND STEERING (G10-43A,G9-43A) (Prior to SN 0160064120)



## FIGURE 5-20. CENTRAL HOUSING AND STEERING (G10-43A,G9-43A) (Prior to SN 0160064120)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136368 | Ref | AXLE - CENTRAL HOUSING AND STEERING | |
| 1 | 91474512 | 1 | VENT | |
| 2 | 7029288 | 1 | INTERMEDIATE COVER | |
| 3 | 80204002 | 1 | O-RING | |
| 4 | 80204005 | 1 | CIRCLIP | |
| 5 | 91514098 | 1 | PLUG | |
| 6 | 91514087 | 1 | PLUG | |
| 7 | 70021177 | 1 | MAGNET PLUG | |
| 8 | 7029289 | 1 | HOUSING | |
| 9 | 91514101 | 4 | BOLT | |
| 10 | 91514089 | 2 | O-RING | |
| 11 | 7029307 | 1 | PLUG | |
| 12 | 7029306 | 3 | BOLT | |
| 101 | 7026490 | 1 | STEERING CYLINDER | |
| 102 | 80204143 | 2 | O-RING | |
| 103 | 70021614 | 2 | TIE-ROD | |
| 104 | 80204144 | 5 | BOLT | |
| 105 | 70025974 | 2 | SELF LOCKING NUT | |
| 106 | 7029127 | 1 | SEAL KIT | |
| 107 | 70025973 | 2 | NUT | |
| 201 | 7029290 | 4 | BUSHING | |
| 202 | 91514090 | 2 | THRUST BUSHING | |
| 203 | 7029291 | 2 | SUPPORT | |
| 204 | 91514099 | 2 | GREASE FITTING | |
| 205 | 80204117 | 2 | PLUG | |
| K1 | 7029292 | 2 | SUPPORT ASSY, (includes items 201 thru 205) | |

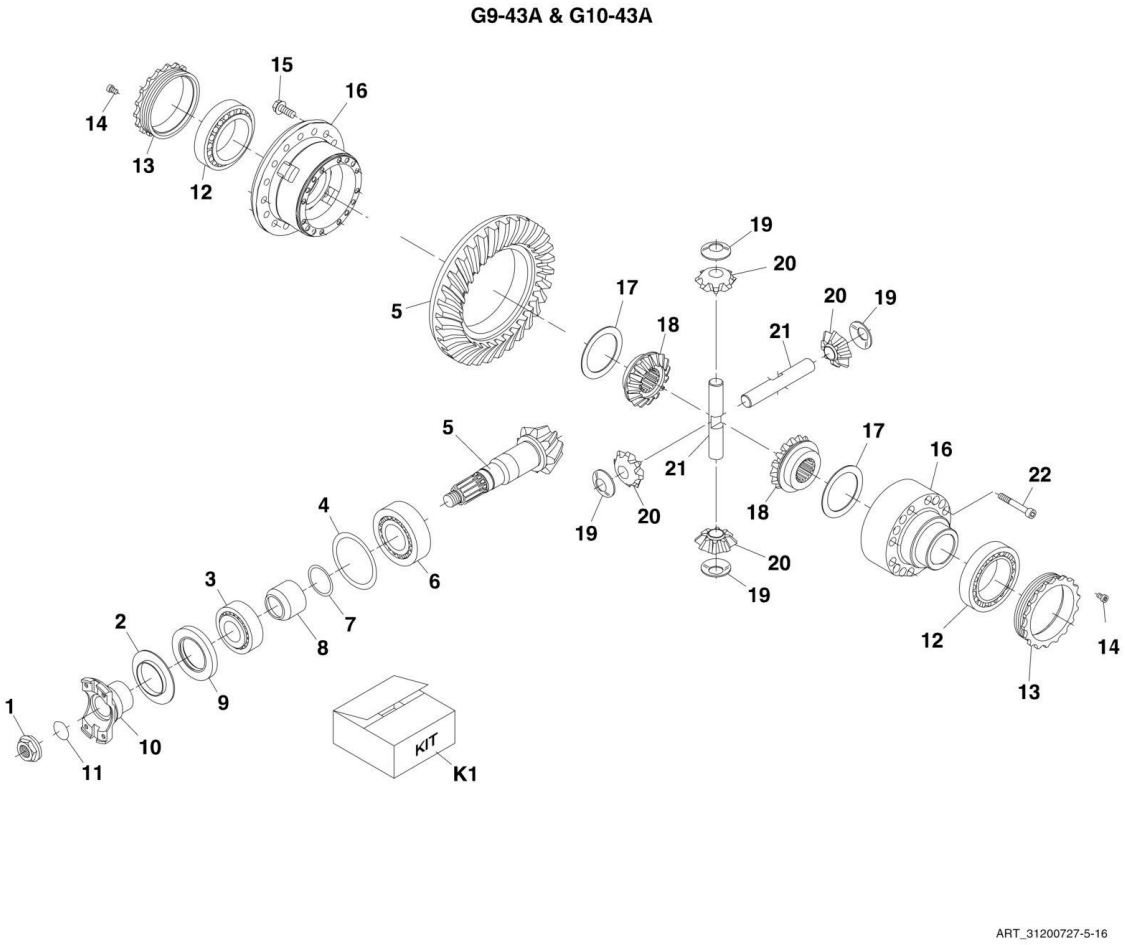
## FIGURE 5-21. DIFFERENTIAL (G6-42A) (Prior to SN 0160065511)



## FIGURE 5-21. DIFFERENTIAL (G6-42A) (Prior to SN 0160065511)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136366 | Ref | AXLE - DIFFERENTIAL | |
| 1 | 91474528 | 1 | NUT | |
| 2 | 70022797 | 1 | FLANGE | |
| 4 | 70024522 | 1 | SEAL | |
| 5 | 91474591 | 4 | BOLT | |
| 6 | 91474550 | 4 | CIRCLIP | |
| 7 | 91474529 | 1 | O-RING | |
| 8 | 91474533 | 1 | RING NUT | |
| 9 | 91474539 | 1 | SPACER | |
| 10 | 91474535 | AR | SHIM | |
| 10 | 91474536 | AR | SHIM | |
| 10 | 91474537 | AR | SHIM | |
| 10 | 91474538 | AR | SHIM | |
| 10 | 70024520 | AR | SHIM | |
| 10 | 70024521 | AR | SHIM | |
| 11 | 91474540 | AR | SHIM | |
| 11 | 91474541 | AR | SHIM | |
| 11 | 91474542 | AR | SHIM | |
| 11 | 91474543 | AR | SHIM | |
| 12 | 3968141 | 2 | TAPER ROLLER BEARING | |
| 13 | 91474592 | 1 | BEVEL GEAR SET | |
| 14 | 91514134 | 2 | BOLT | |
| 15 | 70026031 | 2 | TAPER ROLLER BEARING | |
| 17 | 91474594 | 2 | DIFFERENTIAL SIDE GEAR | |
| 18 | 7029129 | 4 | DIFFERENTIAL PINION | |
| 19 | 7029131 | 4 | PIN | |
| 20 | 91474551 | 4 | CIRCLIP | |
| 21 | 91474553 | 4 | FRICTION WASHER | |
| 23 | 91514123 | 12 | BOLT | |
| 24 | 91474547 | 2 | RING NUT | |
| 27 | 91474595 | 1 | DIFFERENTIAL CARRIER | |
| K1 | 91474596 | 1 | DIFFERENTIAL KIT, (includes items 6, 17 thru 21 & 27) | |

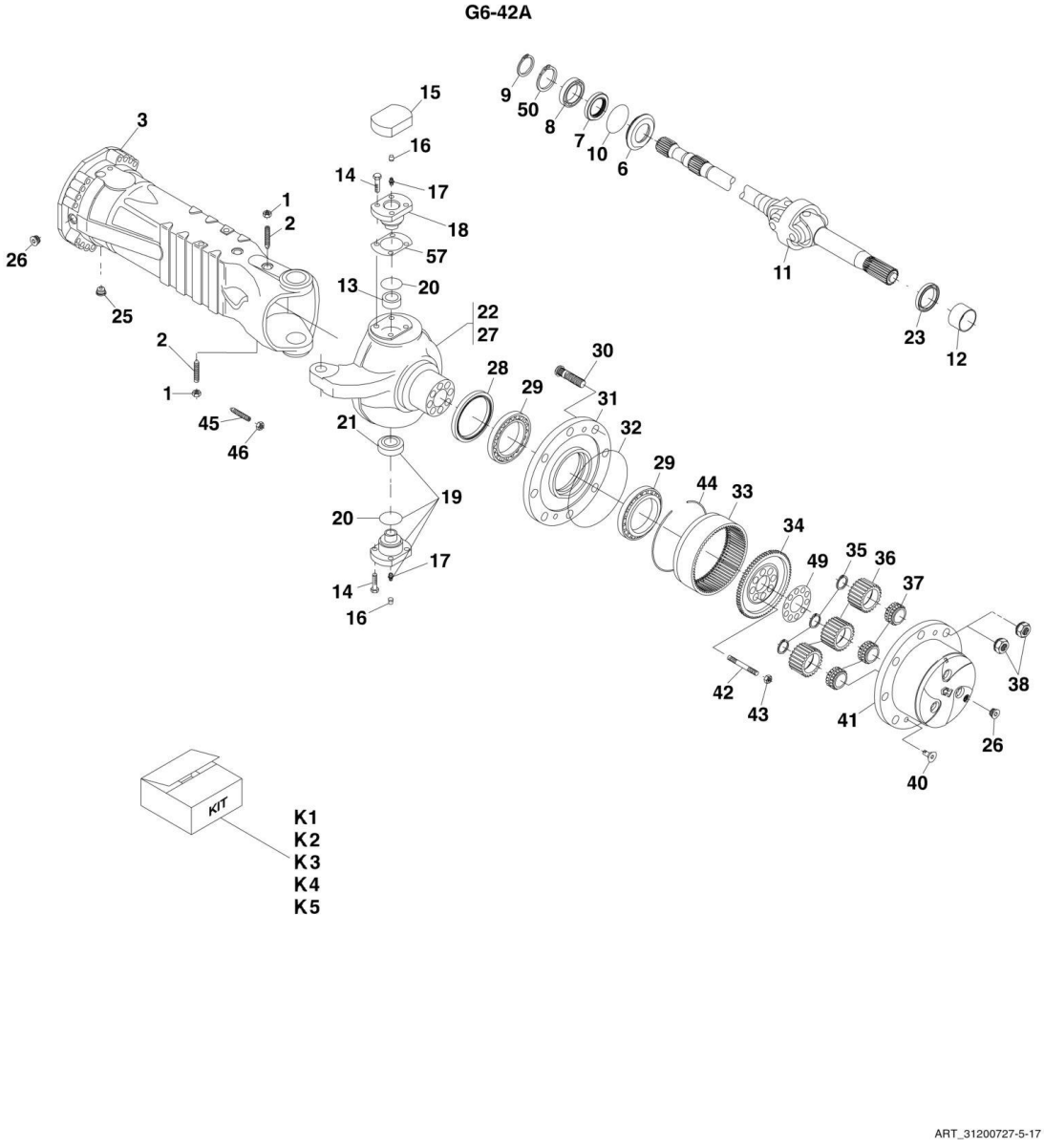
## FIGURE 5-22. DIFFERENTIAL (G10-43A,G9-43A) (Prior to SN 0160064120)



## FIGURE 5-22. DIFFERENTIAL (G10-43A,G9-43A) (Prior to SN 0160064120)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136368 | Ref | AXLE - DIFFERENTIAL | |
| 1 | 80204043 | 1 | NUT | |
| 2 | 91514130 | 1 | COVERPLATE | |
| 3 | 80204048 | 1 | TAPER ROLLER BEARING | |
| 4 | 70023469 | 1 | SHIM | |
| 5 | 91514191 | 1 | BEVEL GEAR SET | |
| 6 | 80204035 | 1 | TAPER ROLLER BEARING | |
| 7 | 70023494 | 1 | RING KIT | |
| 8 | 70022140 | 1 | SPACER | |
| 9 | 70025887 | 1 | SEAL | |
| 10 | 91514131 | 1 | FLANGE | |
| 11 | 10725554 | 1 | O-RING | |
| 12 | 80204033 | 2 | TAPER ROLLER BEARING | |
| 13 | 91514133 | 2 | RING NUT | |
| 14 | 91514134 | 2 | BOLT | |
| 15 | 91514123 | 16 | BOLT | |
| 16 | 70025337 | 1 | DIFFERENTIAL CARRIER | |
| 17 | 70023493 | 2 | FRICTION WASHER | |
| 18 | 70025338 | 2 | DIFFERENTIAL SIDE GEAR | |
| 19 | 70023491 | 4 | FRICTION WASHER | |
| 20 | 70025339 | 4 | DIFFERENTIAL PINION | |
| 21 | 70023490 | 2 | DIFFERENTIAL SHAFT | |
| 22 | 70023489 | 15 | BOLT | |
| K1 | 70025971 | 1 | DIFFERENTIAL KIT, (includes items 16 thru 22) | |

## FIGURE 5-23. HUB REDUCTION (G6-42A) (Prior to SN 0160065511)



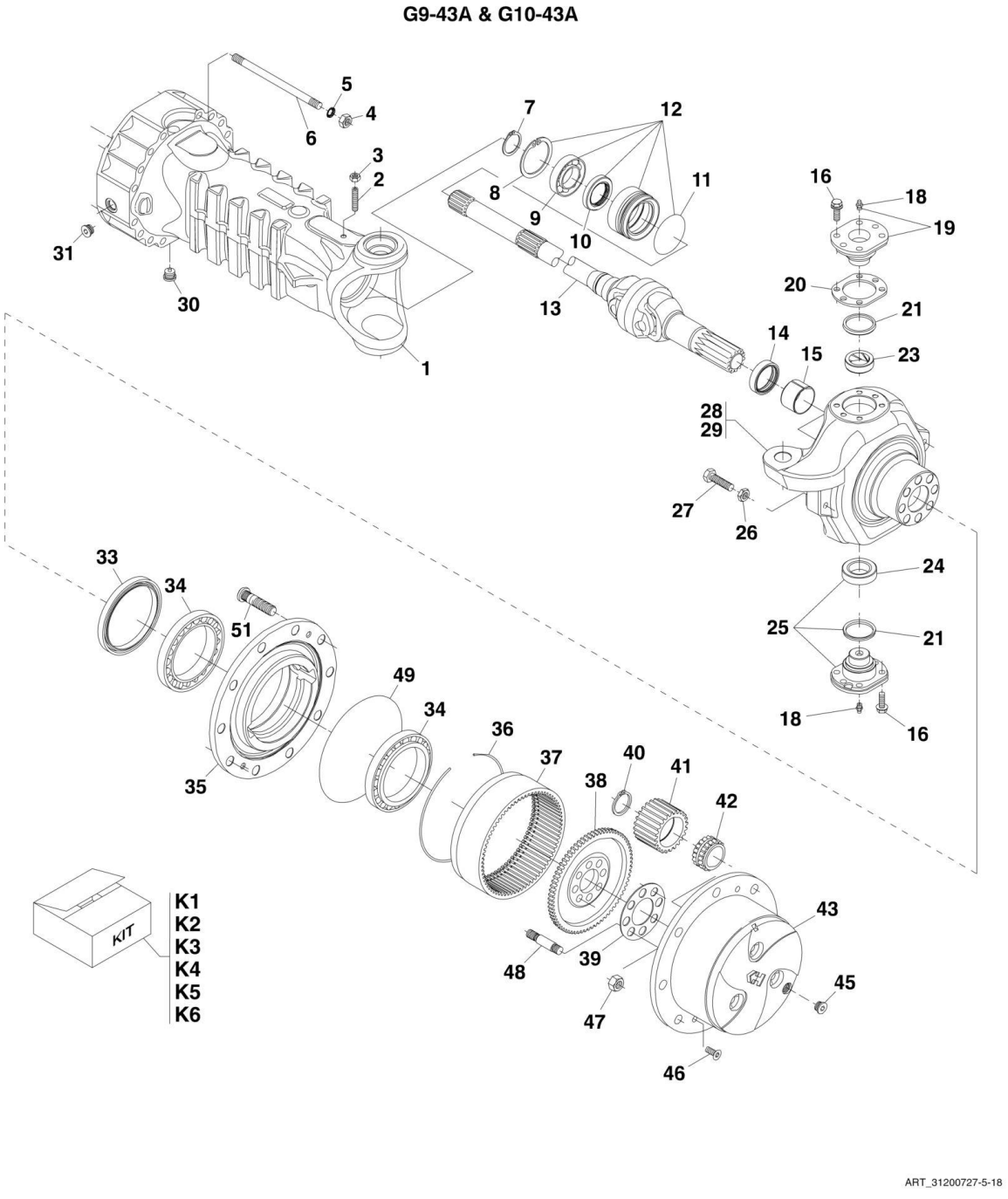
## FIGURE 5-23. HUB REDUCTION (G6-42A) (Prior to SN 0160065511)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136366 | Ref | AXLE - HUB REDUCTION | |
| 1 | 91514082 | 2 | NUT | |
| 2 | 91514081 | 2 | BOLT | |
| 3 | N.S.S. | 2 | AXLE CASE | |
| 6 | 91514149 | 2 | REDUCTION BUSHING | |
| 7 | 91514147 | 2 | SEAL | |
| 8 | 91514146 | 2 | BALL BEARING | |
| 9 | 80204071 | 2 | CIRCLIP | |
| 10 | 91514148 | 2 | O-RING | |
| 11 | 70025810 | 2 | DOUBLE UNIVERSAL JOINT | |
| 12 | 91514111 | 1 | THRUST BUSHING | |
| 13 | 7028714 | 2 | BUSHING | |
| 14 | 91514123 | 24 | BOLT | |
| 15 | 91474524 | 2 | COVER | |
| 16 | 80204117 | 2 | PLUG | |
| 17 | 91514099 | 2 | GREASE FITTING | |
| 18 | 91514112 | 2 | PIVOT PIN | |
| 19 | 7028715 | 2 | PIVOT PIN | |
| 20 | 7028716 | 2 | DUST EXCLUDER | |
| 21 | 91514095 | 2 | BEARING | |
| 22 | 7029284 | 1 | LH STEERING CASE | |
| 23 | 70025857 | 2 | SEAL | |
| 25 | 91474513 | 2 | MAGNET PLUG | |
| 26 | 91514188 | 4 | PLUG | |
| 27 | 91474526 | 1 | RH STEERING CASE | |
| 28 | 7028721 | 2 | SEAL | |
| 29 | 91474576 | 4 | BEARING | |
| 30 | 80214120 | 20 | WHEEL STUD | |
| 31 | 7029737 | 2 | WHEEL HUB | |
| 32 | 91514181 | 2 | O-RING | |
| 33 | 91474580 | 2 | RING GEAR | |
| 34 | 91474581 | 2 | RING GEAR SUPPORT | |
| 35 | 91474585 | 8 | CIRCLIP | |
| 36 | 91474586 | 8 | PLANET GEAR | |
| 37 | 91474587 | 8 | BEARING | |
| 38 | 91474584 | 20 | NUT | |
| 40 | 91514189 | 4 | COUNTERSUNK BOLT | |
| 41 | 7029286 | 2 | PLANET GEAR CARRIER | |
| 42 | 91474583 | 20 | STUD | |
| 43 | 91474584 | 20 | NUT | |
| 44 | 91474579 | 2 | CIRCLIP | |
| 45 | 91514117 | 4 | BOLT | |
| 46 | 80204065 | 4 | NUT | |
| 49 | 91474582 | 2 | LOCKING PLATE | |
| 50 | 80204005 | 2 | CIRCLIP | |
| 57 | 91514113 | AR | SHIM | |
| 57 | 91514114 | AR | SHIM | |
| 57 | 91514115 | AR | SHIM | |
| K1 | 7029431 | 1 | PLANET GEAR CARRIER KIT, (includes items 35 thru 37 & 41) | |
| K2 | 7029284 | 1 | STEERING ADJUSTMENT KIT, (includes items 45 & 46) | |

# SECTION 5 - DRIVE TRAIN

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| K3 | 7029285 | 1 | RH STEERING CASE KIT, (includes items 12 & 27) | |
| K4 | 7028733 | 1 | STEERING ADJUSTMENT KIT, (includes items 45 & 46) | |
| K5 | 7029736 | 1 | RING GEAR SUPPORT KIT, (includes items 33, 34 & 44) | |

## FIGURE 5-24. HUB REDUCTION (G10-43A,G9-43A) (Prior to SN 0160064120)



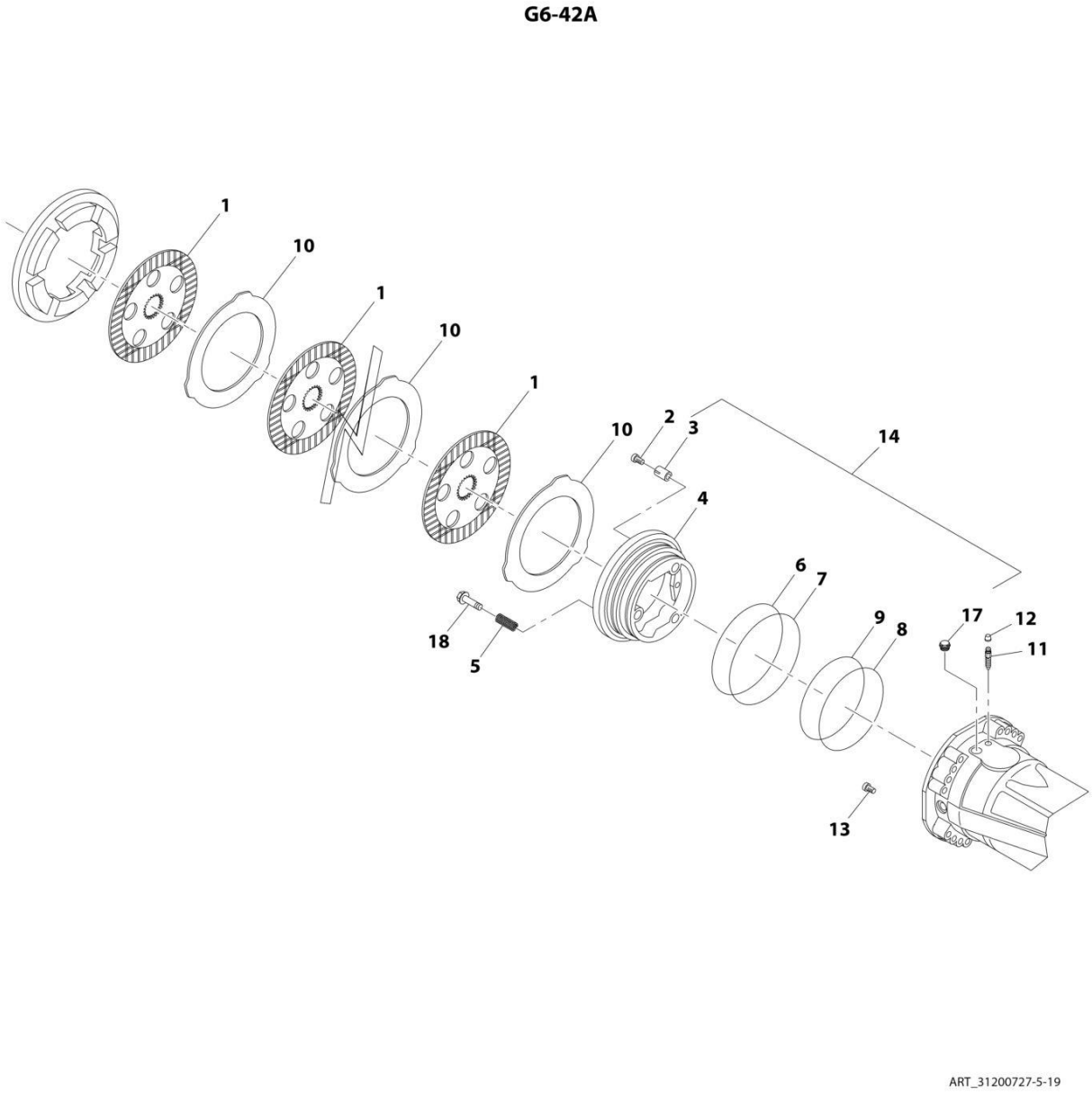
## FIGURE 5-24. HUB REDUCTION (G10-43A,G9-43A) (Prior to SN 0160064120)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136368 | Ref | AXLE - HUB REDUCTION | |
| 1 | 70025980 | 2 | AXLE CASE | |
| 2 | 91514081 | 2 | BOLT | |
| 3 | 91514082 | 2 | NUT | |
| 6 | 70022814 | 32 | HEXAGON BOLT | |
| 7 | 80204071 | 2 | CIRCLIP | |
| 8 | 80204005 | 2 | CIRCLIP | |
| 9 | 91514146 | 2 | BALL BEARING | |
| 10 | 91514147 | 2 | SEAL | |
| 11 | 91514148 | 2 | O-RING | |
| 12 | 91514149 | 2 | REDUCTION BUSHING | |
| 13 | 70024671 | 2 | DOUBLE UNIVERSAL JOINT | |
| 14 | 70025857 | 2 | SEAL | |
| 15 | 91514111 | 1 | THRUST BUSHING | |
| 16 | 91514123 | 24 | BOLT | |
| 18 | 91514099 | 2 | GREASE FITTING | |
| 19 | 91514112 | 2 | PIVOT PIN | |
| 20 | 70025561 | 1 | SHIM KIT | |
| 21 | 7028716 | 2 | DUST EXCLUDER | |
| 23 | 7028714 | 2 | BUSHING | |
| 24 | 91514095 | 2 | BEARING | |
| 25 | 7028715 | 2 | PIVOT PIN | |
| 26 | 80204065 | 4 | NUT | |
| 27 | 91514117 | 4 | BOLT | |
| 28 | 7029750 | 1 | LH STEERING CASE | |
| 29 | 7029295 | 1 | RH STEERING CASE | |
| 30 | 70021177 | 2 | MAGNET PLUG | |
| 31 | 91514087 | 2 | PLUG | |
| 33 | 7029300 | 2 | SEAL | |
| 34 | 80204076 | 4 | TAPER ROLLER BEARING | |
| 35 | 91514174 | 2 | WHEEL HUB | |
| 36 | 91514175 | 2 | CIRCLIP | |
| 37 | 70024147 | 2 | RING GEAR | |
| 38 | 91514177 | 2 | RING GEAR SUPPORT | |
| 39 | 91514178 | 2 | LOCKING PLATE | |
| 40 | 91514184 | 6 | SNAP RING | |
| 41 | 91514185 | 6 | PLANET GEAR | |
| 42 | 91514186 | 6 | BEARING | |
| 43 | 7026731 | 2 | PLANET GEAR CARRIER | |
| 45 | 91514188 | 2 | PLUG | |
| 46 | 91514189 | 4 | COUNTERSUNK BOLT | |
| 47 | 91514179 | 16 | NUT | |
| 48 | 91514180 | 16 | STUD | |
| 49 | 91514181 | 2 | O-RING | |
| 51 | 80214120 | 20 | WHEEL STUD | |
| K1 | 7029733 | 2 | PLANET GEAR CARRIER KIT, (includes items 40 thru 43) | |
| K2 | 7029750 | 1 | LH STEERING CASE KIT, (includes items 15 & 28) | |
| K3 | 7029751 | 1 | RH STEERING CASE KIT, (includes items 15 & 29) | |
| K4 | 7028733 | 4 | STEERING ADJUST BOLT KIT, (includes items 26 & 27) | |
| K5 | 70024146 | 2 | RING GEAR SUPPORT KIT, (includes items 36 thru 38) | |

# SECTION 5 - DRIVE TRAIN

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| K6 | 70025972 | 2 | PLANET GEAR CARRIER SUPPORT KIT, (includes items 36 thru 38 and 40 thru 43) | |

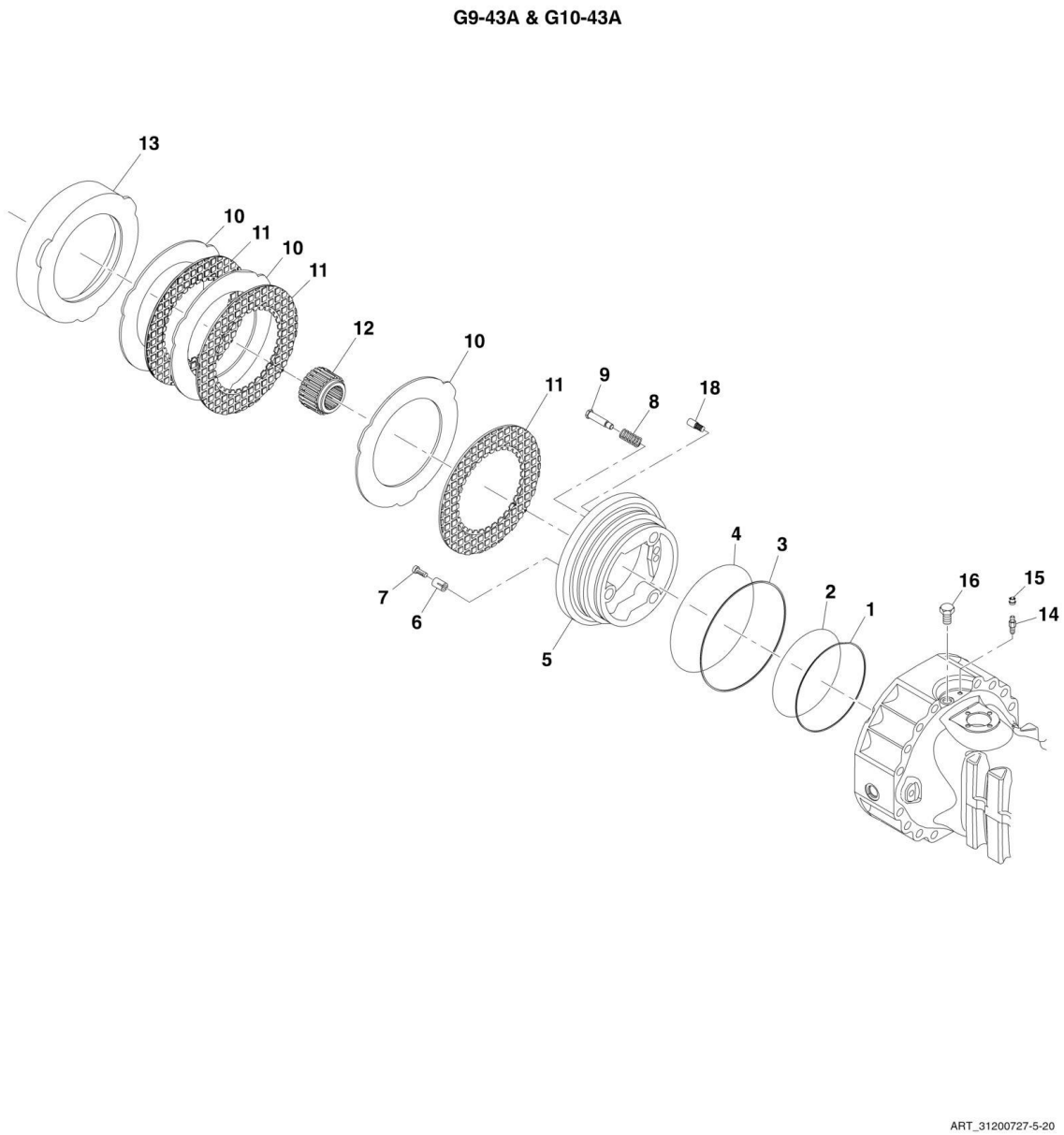
## FIGURE 5-25. BRAKES (G6-42A) (Prior to SN 0160065511)



## FIGURE 5-25. BRAKES (G6-42A) (Prior to SN 0160065511)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136366 | Ref | AXLE - BRAKES | |
| 1 | 91474568 | 8 | DISC | |
| 2 | 7029786 | 6 | ADJUSTING BOLT | |
| 3 | 91514165 | 6 | SPRING | |
| 4 | 70024525 | 2 | PISTON | |
| 5 | 91514159 | 6 | SPRING | |
| 6 | 3984436 | 2 | BACK-UP RING | |
| 7 | 3984458 | 2 | O-Ring | |
| 8 | 3984447 | 2 | BACK-UP RING | |
| 9 | 3984469 | 2 | O-RING | |
| 10 | 91474569 | 10 | INTERMEDIATE BRAKE DISC | |
| 11 | 80204281 | 2 | BLEEDING BOLT | |
| 12 | 80204117 | 2 | PLUG | |
| 13 | 70021613 | 2 | PILOT BOLT | |
| 14 | 70024525 | 2 | PISTON KIT | |
| 17 | 91514154 | 2 | PLUG | |
| 18 | 91514160 | 6 | ADJUSTING BOLT | |

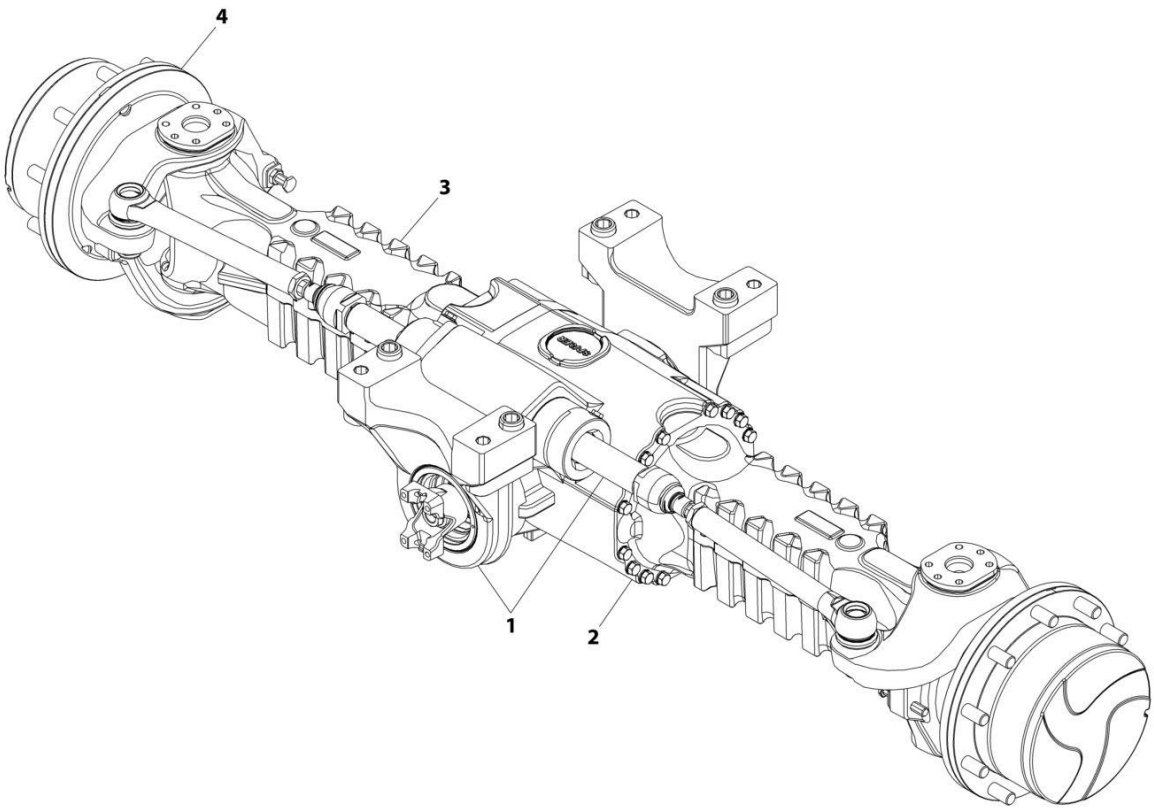
## FIGURE 5-26. BRAKES (G10-43A,G9-43A) (Prior to SN 0160064120)



## FIGURE 5-26. BRAKES (G10-43A,G9-43A) (Prior to SN 0160064120)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136368 | Ref | AXLE - BRAKES | |
| 1 | 70021609 | 2 | BACKUP RING | A |
| 2 | 70021610 | 2 | O-RING | |
| 3 | 70021612 | 2 | BACKUP RING | |
| 4 | 70021611 | 2 | O-RING | |
| 5 | 70024216 | 2 | PISTON | |
| 6 | 91514165 | 6 | SPRING | |
| 7 | 70021607 | 6 | ADJUSTING BOLT | |
| 8 | 91514159 | 6 | SPRING | |
| 9 | 70024210 | 6 | ADJUSTING BOLT | |
| 10 | 91514161 | 6 | INTERMEDIATE BRAKE DISC | |
| 11 | 7029735 | 6 | BRAKE DISC | |
| 12 | 7029734 | 2 | REDUCTION BUSHING | |
| 13 | 70021606 | 2 | SPACER | |
| 14 | 80204281 | 2 | BLEEDING BOLT | |
| 15 | 80204117 | 2 | PLUG | |
| 16 | 91514154 | 2 | PLUG | |
| 18 | 70021613 | 2 | PILOT BOLT | |

**FIGURE 5-27. REAR AXLE (G6-42A SN 0160065511 to Present)**

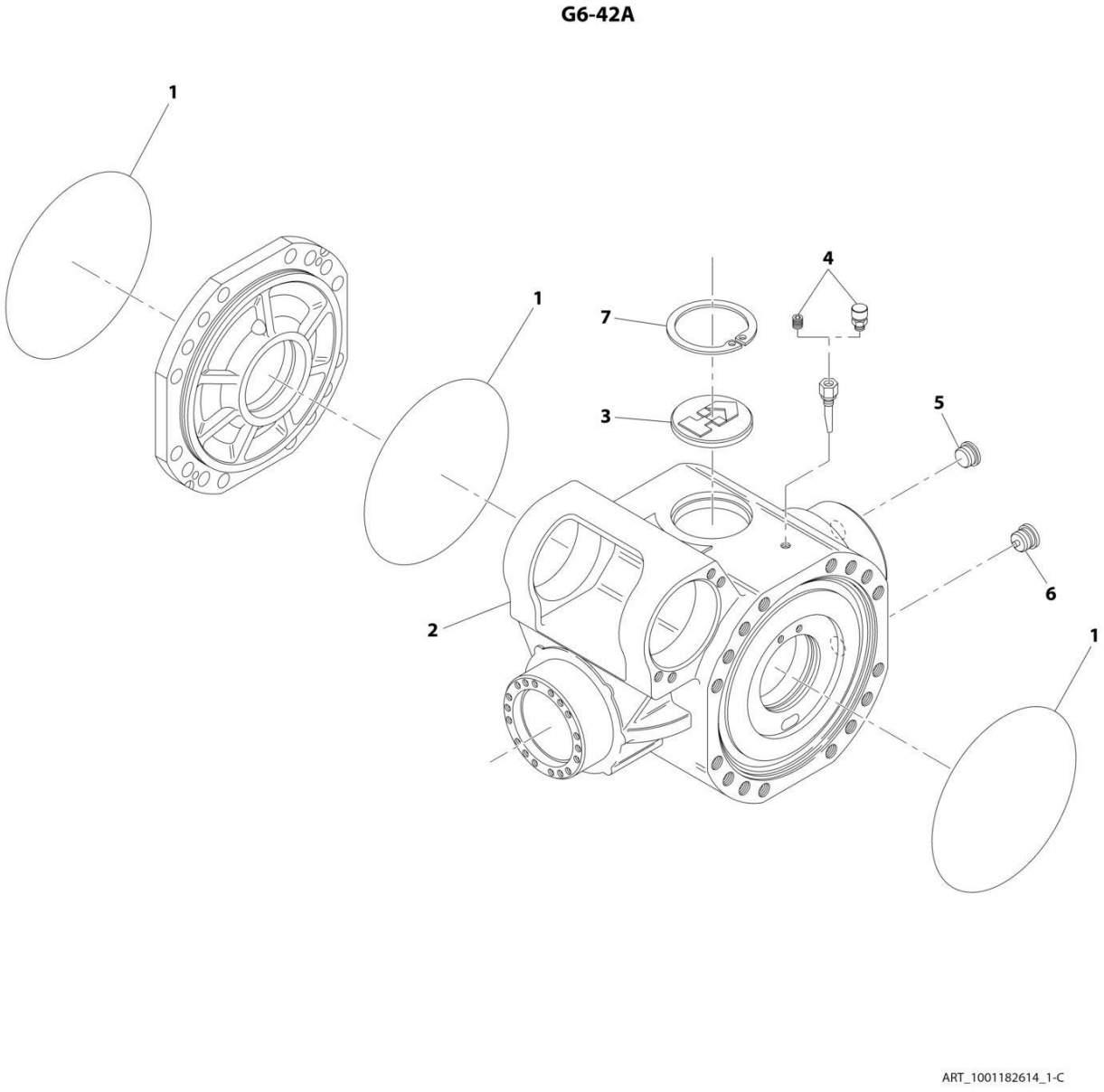



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## FIGURE 5-27. REAR AXLE (G6-42A SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182614 | Ref | REAR AXLE (includes all items) (G6-42A) **(SN 0160065511 to Present)** | C |
| | 1001179606 | Ref | REAR AXLE (includes all items) (G10-43A,G9-43A) **(SN 0160064120 to Present)** | D |
| 1 | | Ref | CENTRAL HOUSING, (See Separate Breakdown in this Section) | |
| 2 | | Ref | DIFFERENTIAL, (See Separate Breakdown in this Section) | |
| 3 | | Ref | HUB REDUCTION, (See Separate Breakdown in this Section) | |
| 4 | | Ref | BRAKES, (See Separate Breakdown in this Section) | |
| 5 | | Ref | STEERING, (not shown), (See Separate Breakdown in this Section) | |
| 6 | | Ref | TRUNION, (not shown), (See Separate Breakdown in this Section) | |

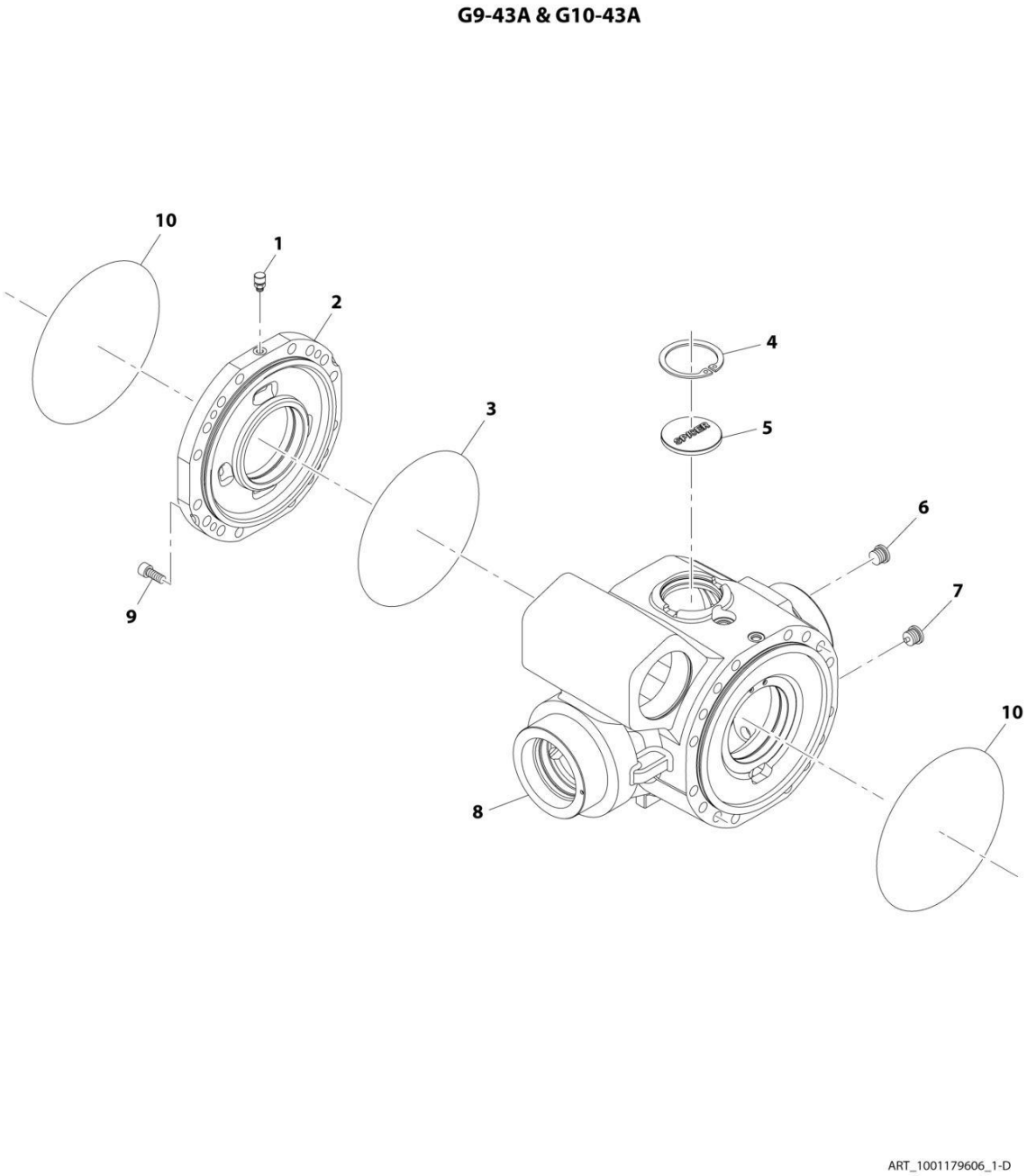
## FIGURE 5-28. CENTRAL HOUSING (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-28. CENTRAL HOUSING (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182614 | Ref | AXLE - CENTRAL HOUSING | |
| 1 | 91474507 | 3 | O-RING | |
| 2 | 70026977 | 1 | HOUSING | |
| 3 | 91514098 | 1 | PLUG | |
| 4 | 91474512 | 1 | VENT | |
| 5 | 91514188 | 1 | PLUG | |
| 6 | 91474513 | 1 | MAGNETIC PLUG | |
| 7 | 80204005 | 1 | CIRCLIP | |

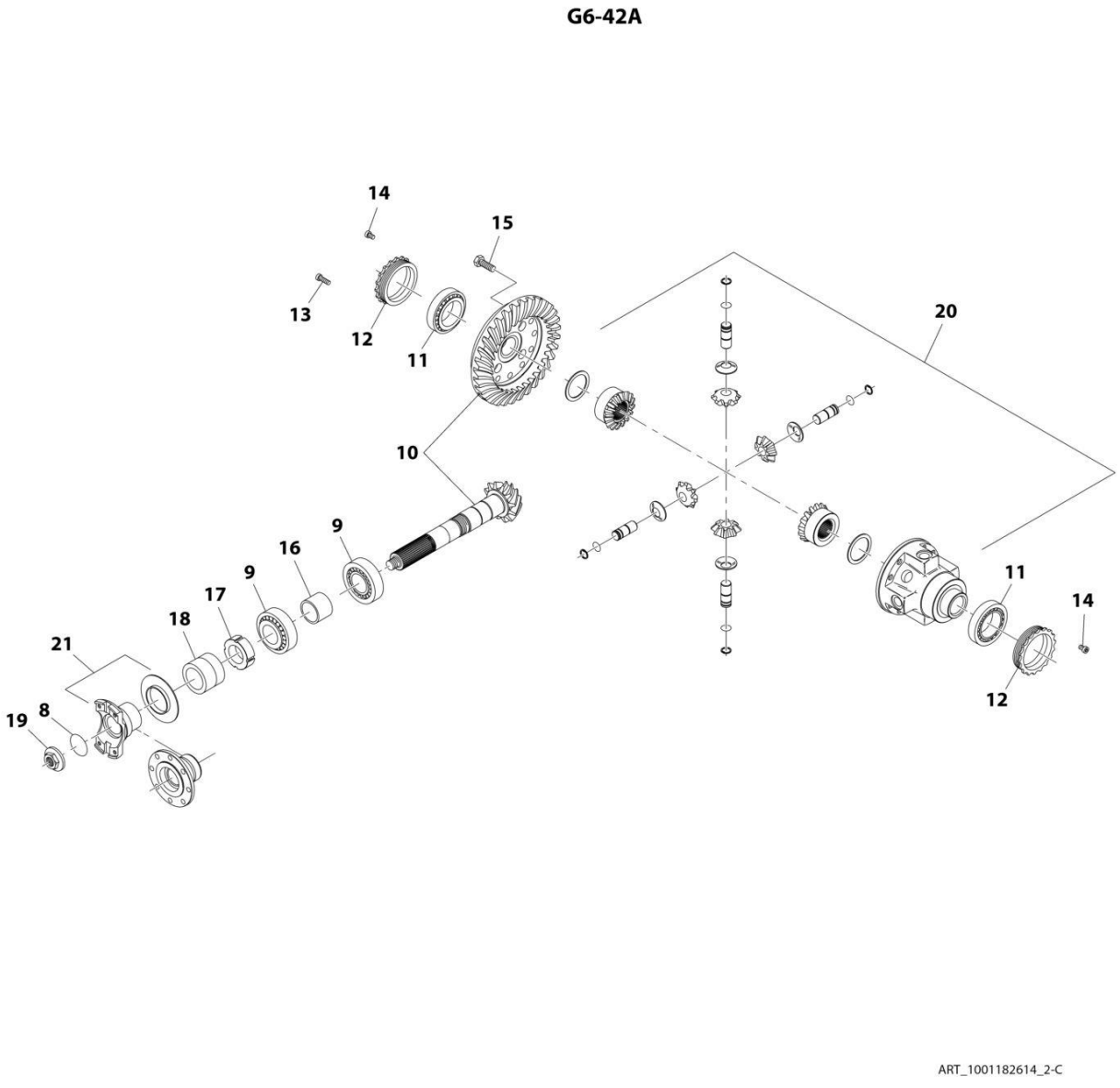
## FIGURE 5-29. CENTRAL HOUSING (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-29. CENTRAL HOUSING (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001179606 | Ref | AXLE - CENTRAL HOUSING | |
| 1 | 91474512 | 1 | VENT | |
| 2 | 7029288 | 1 | INTERMEDIATE COVER | |
| 3 | 80204002 | 1 | O-RING | |
| 4 | 80204005 | 1 | CIRCLIP | |
| 5 | 91514098 | 1 | PLUG | |
| 6 | 91514087 | 1 | PLUG | |
| 7 | 70021177 | 1 | MAGNETIC PLUG | |
| 8 | 7029289 | 1 | HOUSING | |
| 9 | 91514101 | 4 | BOLT | |
| 10 | 91514089 | 2 | O-RING | |

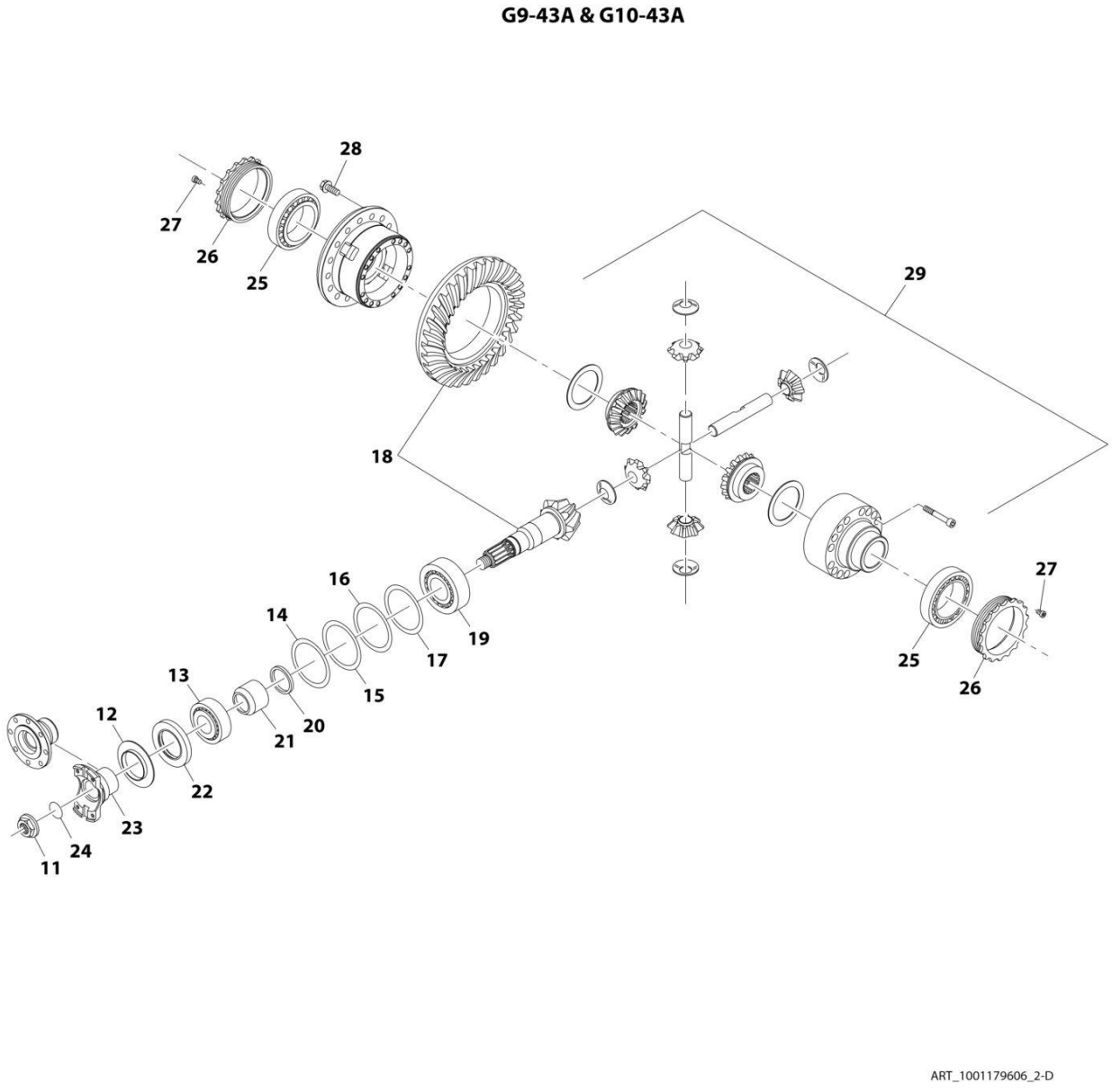
## FIGURE 5-30. DIFFERENTIAL (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-30. DIFFERENTIAL (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182614 | Ref | AXLE - DIFFERENTIAL | |
| 8 | 91474529 | 1 | O-RING | |
| 9 | 3968141 | 2 | TAPER ROLLER BEARING | |
| 10 | 91474592 | 1 | BEVEL GEAR SET | |
| 11 | 70026031 | 2 | TAPER ROLLER BEARING | |
| 12 | 91474547 | 2 | RING NUT | |
| 13 | 91474591 | 4 | CYLINDER BOLT | |
| 14 | 91514134 | 2 | BOLT | |
| 15 | 91514123 | 12 | BOLT | |
| 16 | 91474539 | 1 | SPACER | |
| 17 | 91474533 | 1 | RING NUT | |
| 18 | 70024522 | 1 | SEAL | |
| 19 | 70026631 | 1 | NUT | |
| 20 | 91474596 | 1 | DIFFERENTIAL, (See Separate Breakdown in this Section) | |
| 21 | 70022797 | 1 | FLANGE | |

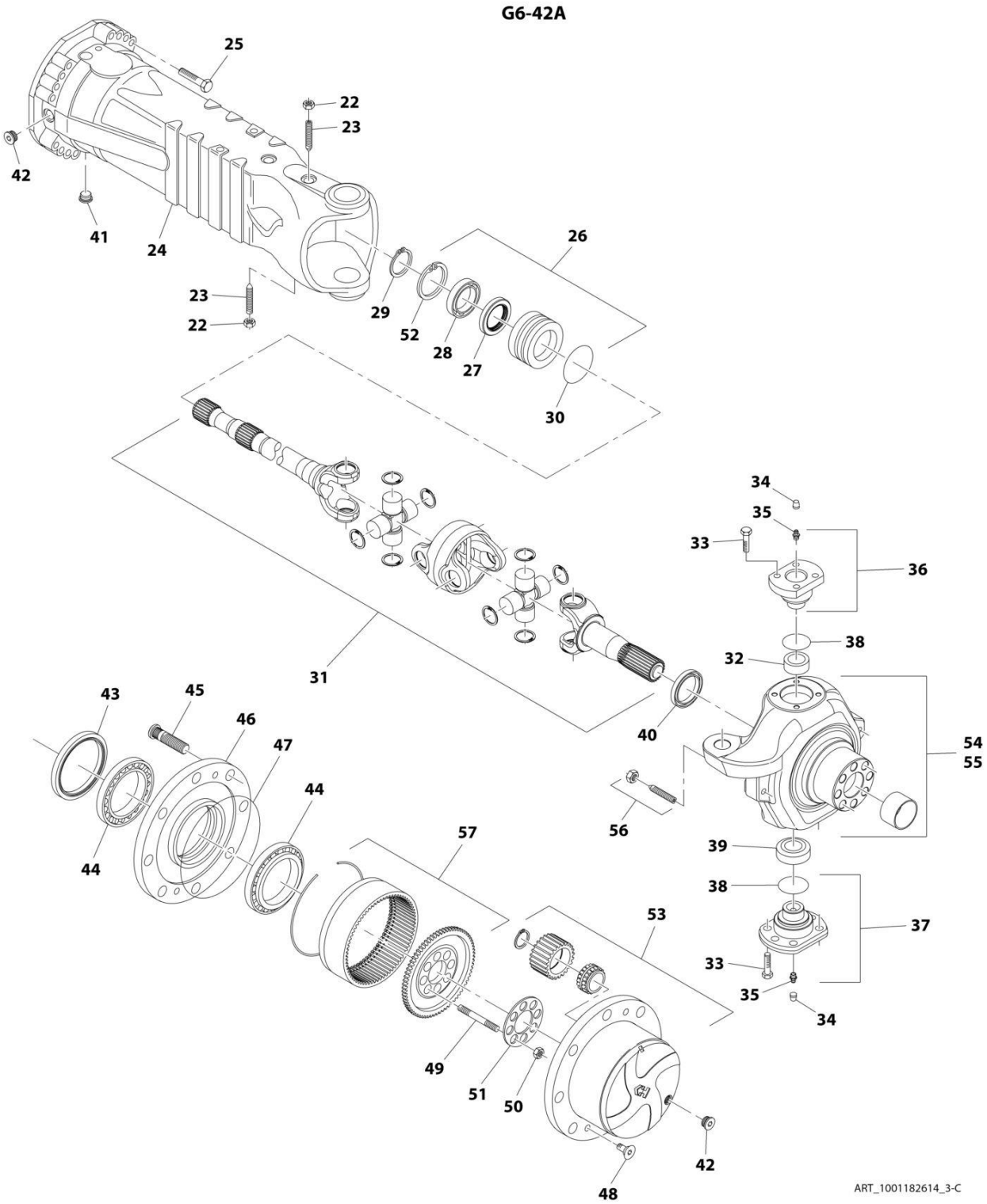
## FIGURE 5-31. DIFFERENTIAL (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-31. DIFFERENTIAL (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001179606 | Ref | AXLE - DIFFERENTIAL | |
| 11 | 80204043 | 1 | NUT | |
| 12 | 91514130 | 1 | COVER PLATE | |
| 13 | 80204048 | 1 | TAPER ROLLER BEARING | |
| 14 | 80204049 | 1 | SHIM | |
| 15 | 80204050 | 1 | SHIM | |
| 16 | 80204051 | 1 | SHIM | |
| 17 | 80204052 | 1 | SHIM | |
| 18 | 91514191 | 1 | BEVEL GEAR SET | |
| 19 | 80204035 | 1 | TAPER ROLLER BEARING | |
| 20 | 70023494 | 1 | RING KIT | |
| 21 | 70022140 | 1 | SPACER | |
| 22 | 70025887 | 1 | SEAL | |
| 23 | 91514131 | 1 | FLANGE | |
| 24 | 10725554 | 1 | O-RING | |
| 25 | 80204033 | 2 | TAPER ROLLER BEARING | |
| 26 | 91514133 | 2 | RING NUT | |
| 27 | 91514134 | 2 | BOLT | |
| 28 | 91514123 | 16 | BOLT | |
| 29 | 70026030 | 1 | DIFFERENTIAL KIT, (See Separate Breakdown in this Section) | |

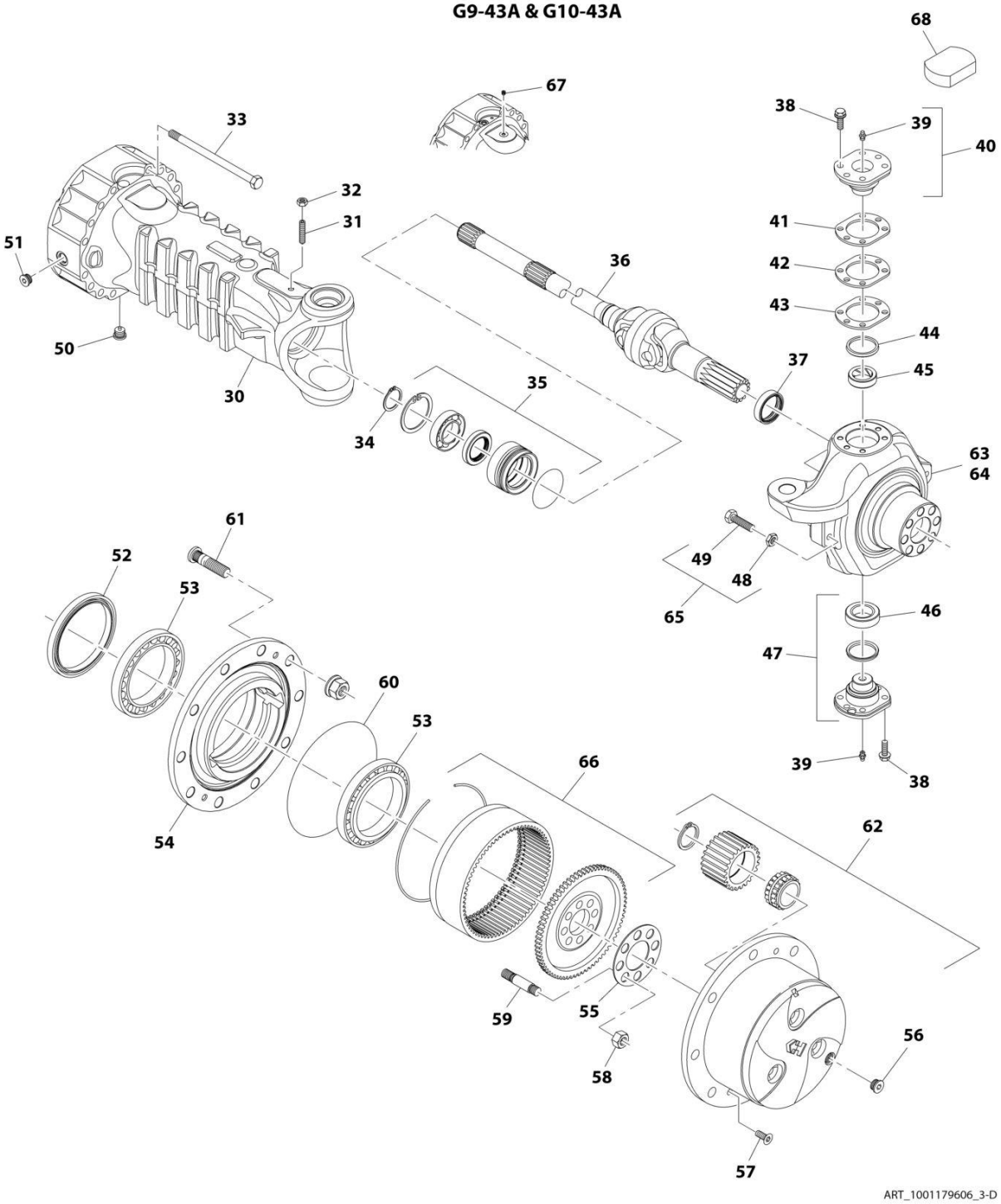
## FIGURE 5-32. HUB REDUCTION (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-32. HUB REDUCTION (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182614 | Ref | AXLE - HUB REDUCTION | |
| 22 | 91514082 | 2 | NUT | |
| 23 | 91514081 | 2 | BOLT | |
| 24 | 70022798 | 2 | AXLE CASE | |
| 25 | 70022799 | 32 | BOLT | |
| 26 | 91514149 | 2 | REDUCTION BUSHING, (See Separate Breakdown in this Section) | |
| 27 | 91514147 | 2 | SEAL | |
| 28 | 91514146 | 2 | BALL BEARING | |
| 29 | 80204071 | 2 | CIRCLIP | |
| 30 | 91514148 | 2 | O - RING | |
| 31 | 70026390 | 2 | DOUBLE UNIVERSAL JOINT | |
| 32 | 7028714 | 2 | BUSHING | |
| 33 | 91514123 | 24 | BOLT | |
| 34 | 80204117 | 2 | PLUG | |
| 35 | 91514099 | 2 | GREASE FITTING | |
| 36 | 91514112 | 2 | PIVOT PIN | |
| 37 | 7028715 | 2 | PIVOT PIN | |
| 38 | 7028716 | 2 | DUST EXCLUDER | |
| 39 | 91514095 | 2 | BEARING | |
| 40 | 70026238 | 2 | SEAL | |
| 41 | 91474513 | 2 | MAGNETIC PLUG | |
| 42 | 91514188 | 4 | PLUG | |
| 43 | 7028721 | 2 | SEAL | |
| 44 | 91474576 | 4 | BEARING | |
| 45 | 80214120 | 20 | WHEEL STUD | |
| 46 | 7029737 | 2 | WHEEL HUB | |
| 47 | 91514181 | 2 | O-RING | |
| 48 | 91514189 | 4 | COUNTERSUNK BOLT | |
| 49 | 70027315 | 20 | STUD | |
| 50 | 91474584 | 20 | NUT | |
| 51 | 91474582 | 2 | LOCKING PLATE | |
| 52 | 80204005 | 2 | CIRCLIP | |
| 53 | 7029431 | 2 | PLANET GEAR CARRIER, (See Separate Breakdown in this Section) | |
| 54 | 70026391 | 1 | STEERING CASE | |
| 55 | 70026392 | 1 | STEERING CASE | |
| 56 | 7028733 | 4 | STEERING ADJUST BOLT | |
| 57 | 7029736 | 2 | RING GEAR SUPPORT, (See Separate Breakdown in this Section) | |

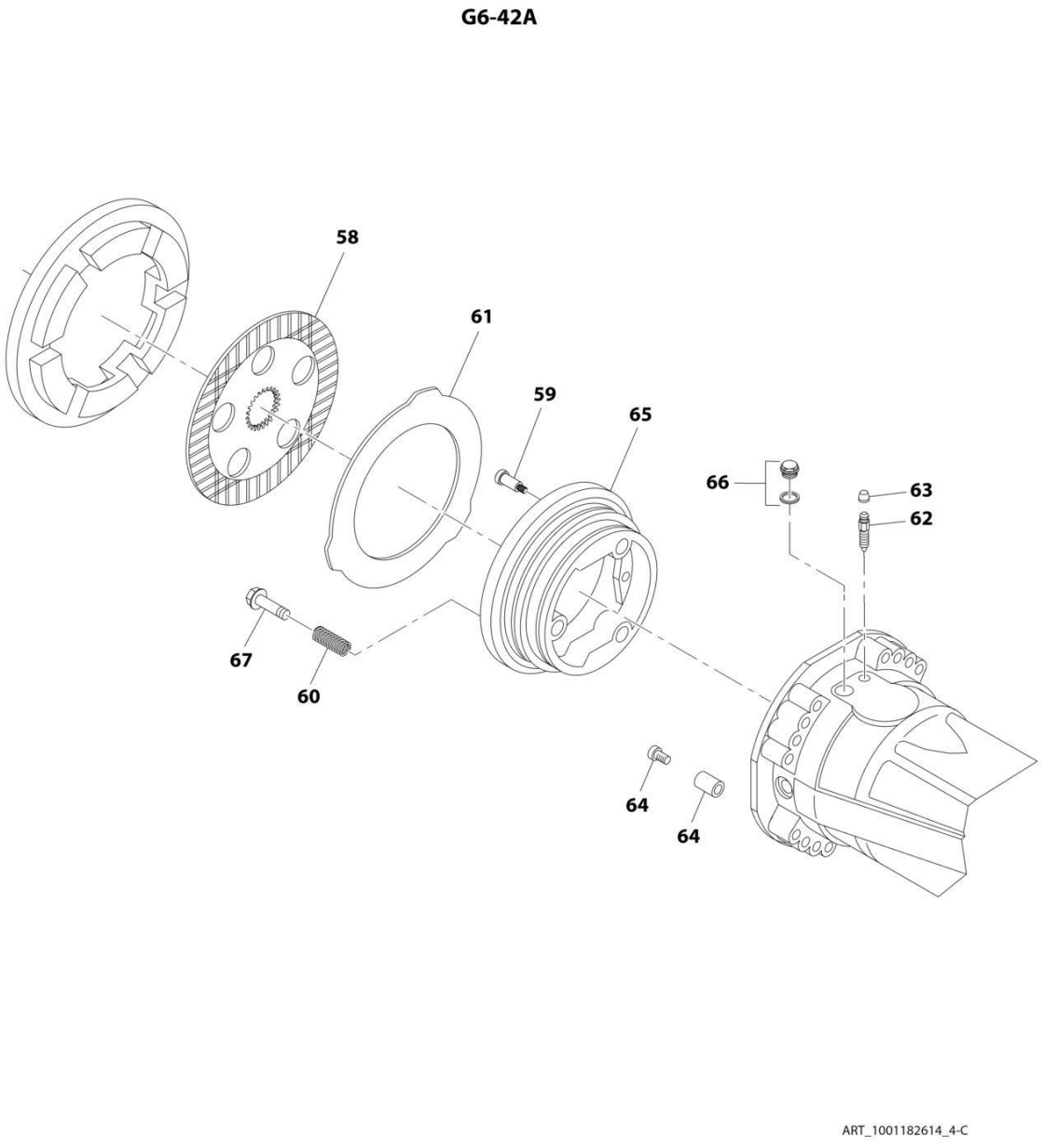
## FIGURE 5-33. HUB REDUCTION (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-33. HUB REDUCTION (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001179606 | Ref | AXLE - HUB REDUCTION | |
| 30 | 70025980 | 2 | AXLE CASE | |
| 31 | 91514081 | 2 | BOLT | |
| 32 | 91514082 | 2 | NUT | |
| 33 | 70022814 | 32 | HEXAGON BOLT | |
| 34 | 80204071 | 2 | CIRCLIP | |
| 35 | 91514149 | 2 | REDUCTION BUSHING, (See Separate Breakdown in this Section) | |
| 36 | 70025855 | 2 | DOUBLE UNIVERSAL JOINT | |
| 37 | 70026238 | 2 | SEAL | |
| 38 | 70025562 | 24 | BOLT | |
| 39 | 91514099 | 2 | GREASE FITTING | |
| 40 | 91514112 | 2 | PIVOT PIN | |
| 41 | 91514113 | 2 | SHIM | |
| 42 | 91514114 | 2 | SHIM | |
| 43 | 91514115 | 2 | SHIM | |
| 44 | 7028716 | 2 | DUST EXCLUDER | |
| 45 | 7028714 | 2 | BUSHING | |
| 46 | 91514095 | 2 | BEARING | |
| 47 | 7028715 | 2 | PIVOT PIN | |
| 48 | 80204065 | 4 | NUT | |
| 49 | 91514117 | 4 | BOLT | |
| 50 | 70021177 | 2 | MAGNETIC PLUG | |
| 51 | 91514087 | 2 | PLUG | |
| 52 | 70026002 | 2 | SEAL | |
| 53 | 80204076 | 4 | TAPER ROLLER BEARING | |
| 54 | 91514174 | 2 | WHEEL HUB | |
| 55 | 91514178 | 1 | LOCKING PLATE | |
| 56 | 91514188 | 2 | PLUG | |
| 57 | 91514189 | 4 | COUNTERSUNK BOLT | |
| 58 | 91514179 | 16 | NUT | |
| 59 | 91514180 | 16 | STUD | |
| 60 | 91514181 | 2 | O-RING | |
| 61 | 80214120 | 20 | WHEEL STUD | |
| 62 | 7029733 | 2 | PLANET GEAR CARRIER KIT, (See Separate Breakdown in this Section) | |
| 63 | 70026239 | 1 | STEERING CASE KIT LH, (See Separate Breakdown in this Section) | |
| 64 | 70026240 | NLA | STEERING CASE KIT RH (No Longer Available, Use Item 70030026) | |
| 64 | 70030026 | 1 | STEERING CASE KIT RH | |
| 65 | 7028733 | 4 | STEERING ADJUST BOLT KIT | |
| 66 | 70024146 | 2 | RING GEAR SUPPORT KIT, (See Separate Breakdown in this Section) | |
| 67 | 80204012 | 2 | PLUG | |
| 68 | 91474524 | 2 | COVER | |

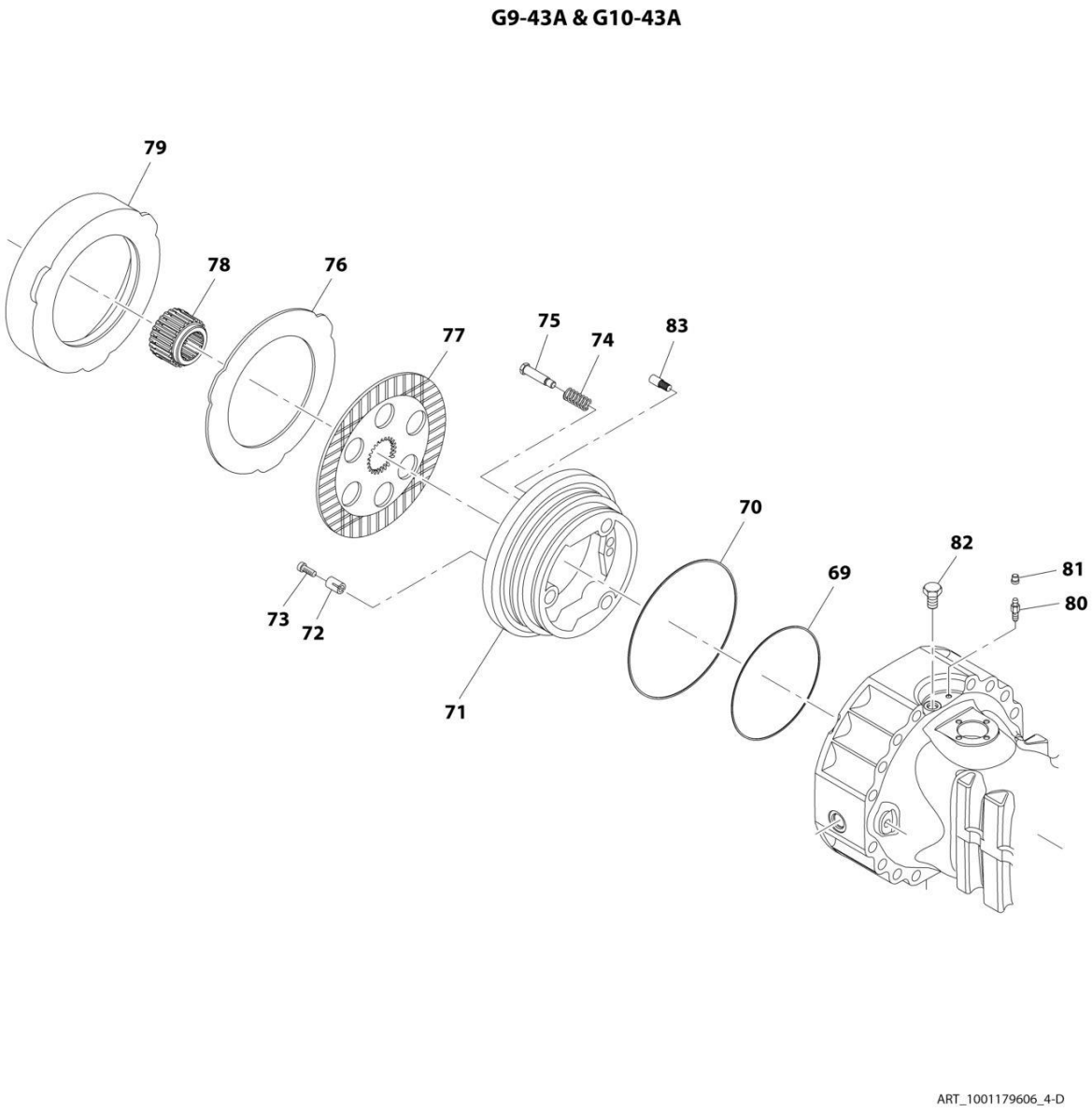
## FIGURE 5-34. BRAKES (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-34. BRAKES (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182614 | Ref | AXLE - BRAKES | |
| 58 | 91474568 | 8 | DISC | |
| 59 | 7029786 | 6 | ADJUSTING BOLT | |
| 60 | 91514159 | 6 | SPRING | |
| 61 | 91474569 | 10 | INTERMEDIATE BRAKE DISC | |
| 62 | 80204281 | 2 | BLEEDING BOLT | |
| 63 | 80204117 | 2 | PLUG | |
| 64 | 70021613 | 2 | PILOT BOLT | |
| 65 | 70026072 | 2 | PISTON | |
| 66 | 91514154 | 2 | PLUG | |
| 67 | 70024210 | 6 | ADJUSTING BOLT | |

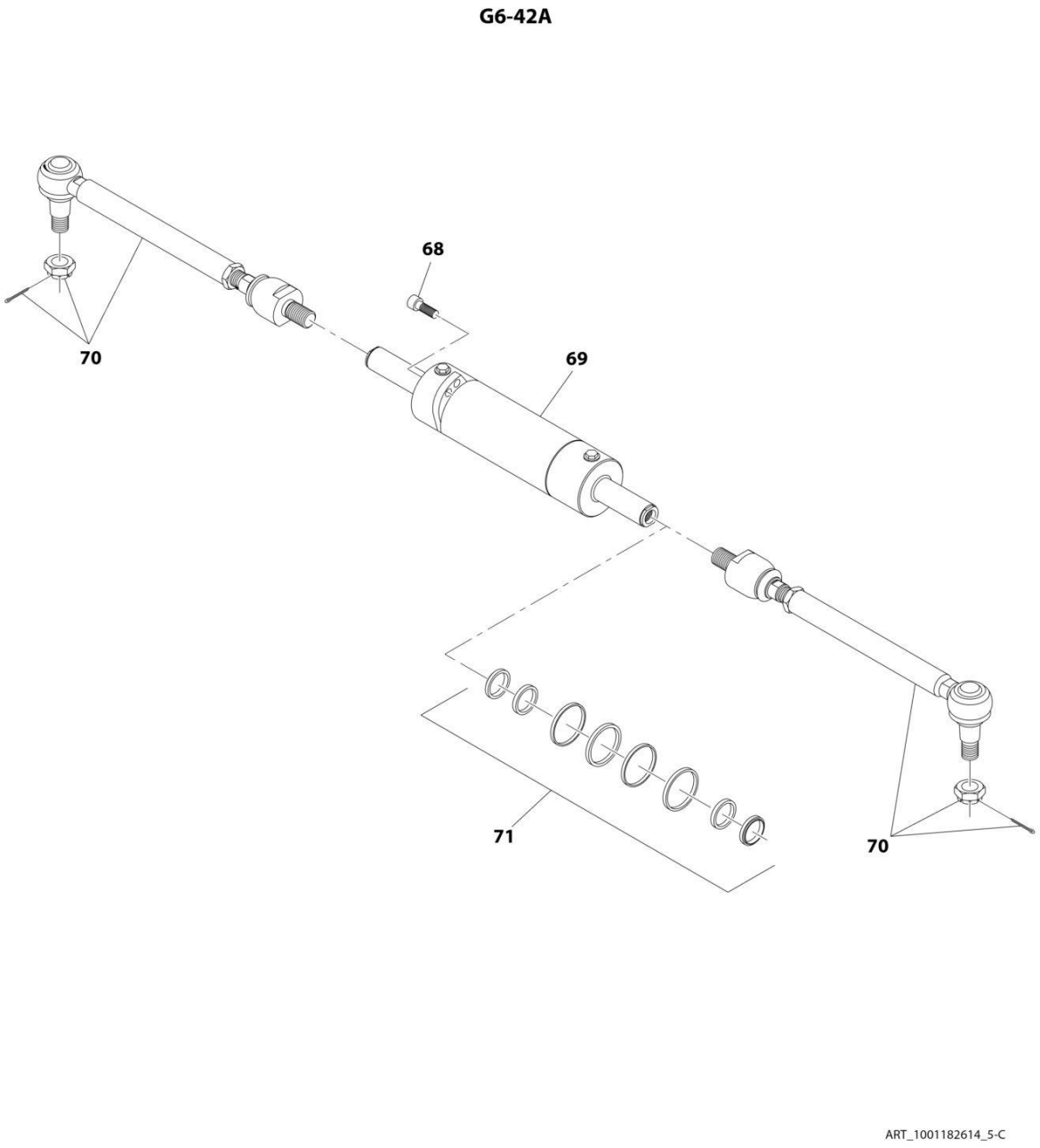
## FIGURE 5-35. BRAKES (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-35. BRAKES (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001179606 | Ref | AXLE - BRAKES | |
| 69 | 70026747 | 2 | SEAL | |
| 70 | 70026748 | 2 | SEAL | |
| 71 | 70024216 | 2 | PISTON | |
| 72 | 91514165 | 6 | SPRING | |
| 73 | 70021607 | 6 | ADJUSTING BOLT | |
| 74 | 91514159 | 6 | SPRING | |
| 75 | 70024210 | 6 | ADJUSTING BOLT | |
| 76 | 70027022 | 6 | INTERMEDIATE BRAKE DISC | |
| 77 | 7029735 | 6 | BRAKE DISC | |
| 78 | 7029734 | 2 | REDUCTION BUSHING | |
| 79 | 70021606 | 2 | SPACER | |
| 80 | 80204281 | 2 | BLEEDING BOLT | |
| 81 | 80204117 | 2 | PLUG | |
| 82 | 91514154 | 2 | PLUG | |
| 83 | 70021613 | 2 | PILOT BOLT | |

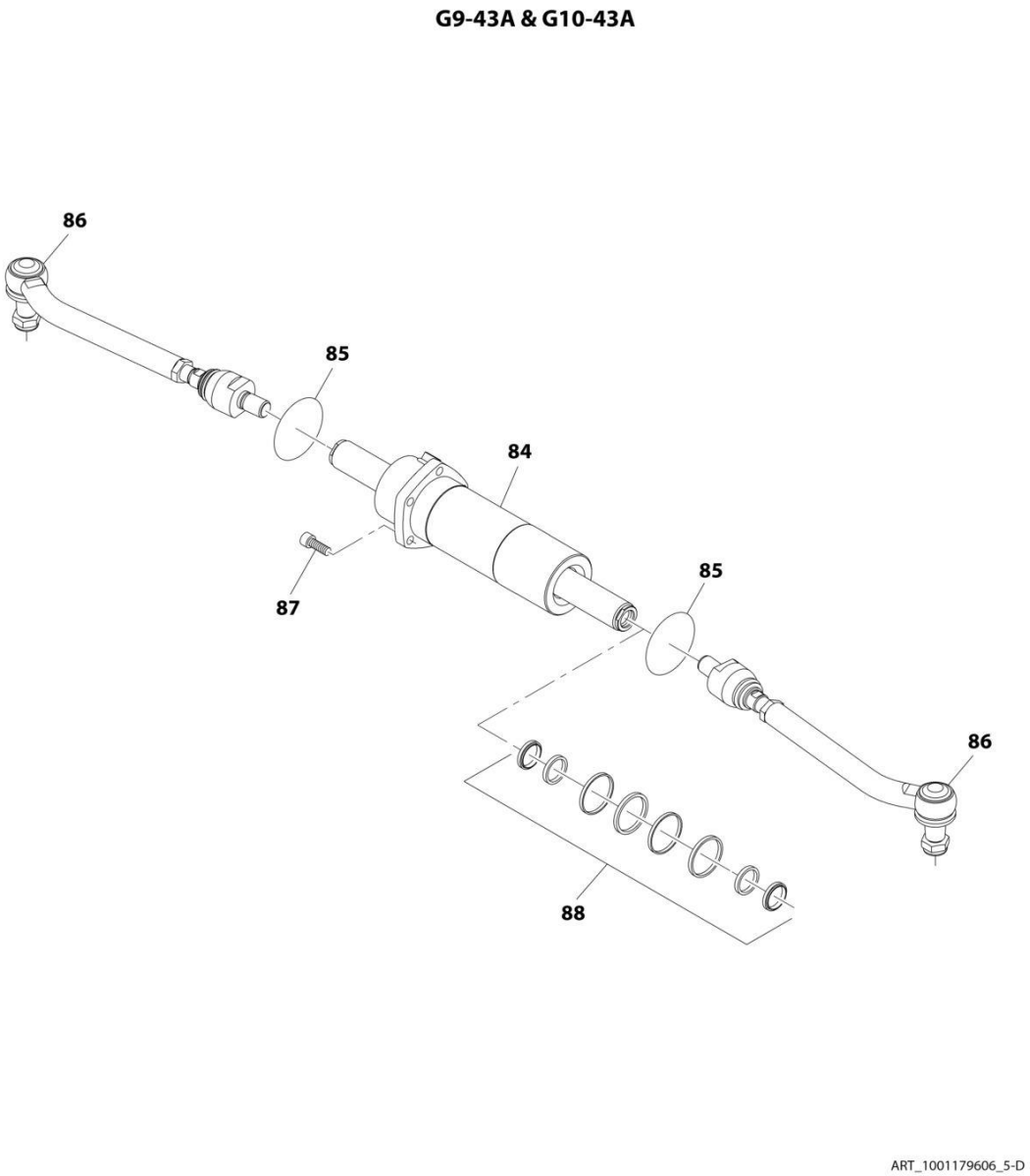
## FIGURE 5-36. STEERING (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-36. STEERING (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182614 | Ref | AXLE - STEERING | |
| 68 | 91474522 | 4 | BOLT | |
| 69 | 7029528 | 1 | CYLINDER | |
| 70 | 70026799 | 2 | BAR | |
| 71 | 7029529 | 1 | SEAL KIT | |

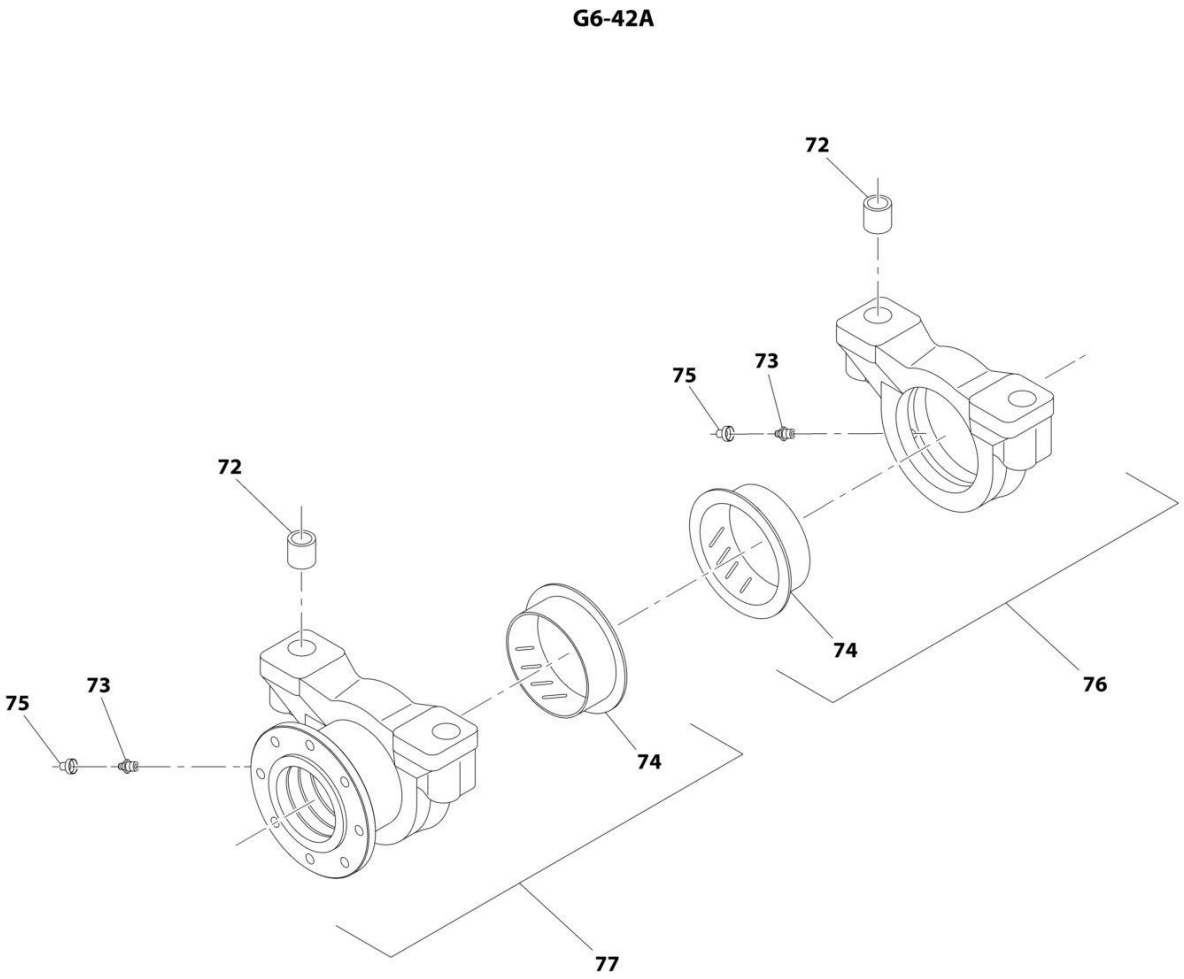
## FIGURE 5-37. STEERING (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-37. STEERING (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001179606 | Ref | AXLE - STEERING | |
| 84 | 7026490 | 1 | CYLINDER | |
| 85 | 80204143 | 2 | O-RING | |
| 86 | 70026753 | 2 | BAR | |
| 86 | 70022773 | 2 | NUT | |
| 87 | 80204144 | 5 | BOLT | |
| 88 | 7029127 | 1 | SEAL KIT | |

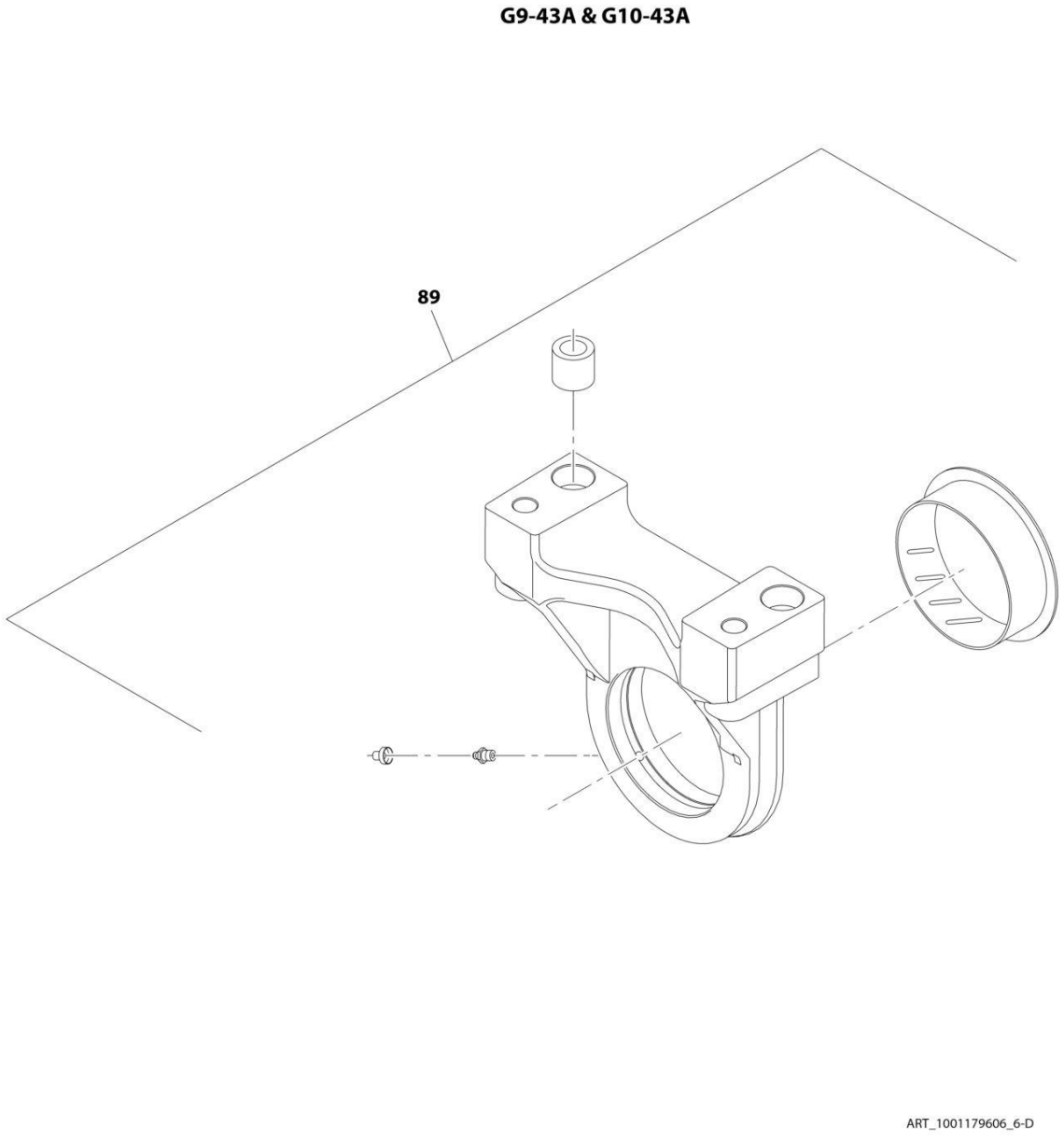
## FIGURE 5-38. TRUNION (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-38. TRUNION (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001182614 | Ref | AXLE - TRUNION | |
| 72 | 91474516 | 2 | REDUCTION BUSHING | |
| 73 | 91514099 | 1 | GREASE FITTING | |
| 74 | 91474515 | 1 | THRUST BUSHING | |
| 75 | 80204117 | 1 | PLUG | |
| 76 | 70026065 | 1 | SUPPORT | |
| 77 | 70026064 | 1 | SUPPORT | |

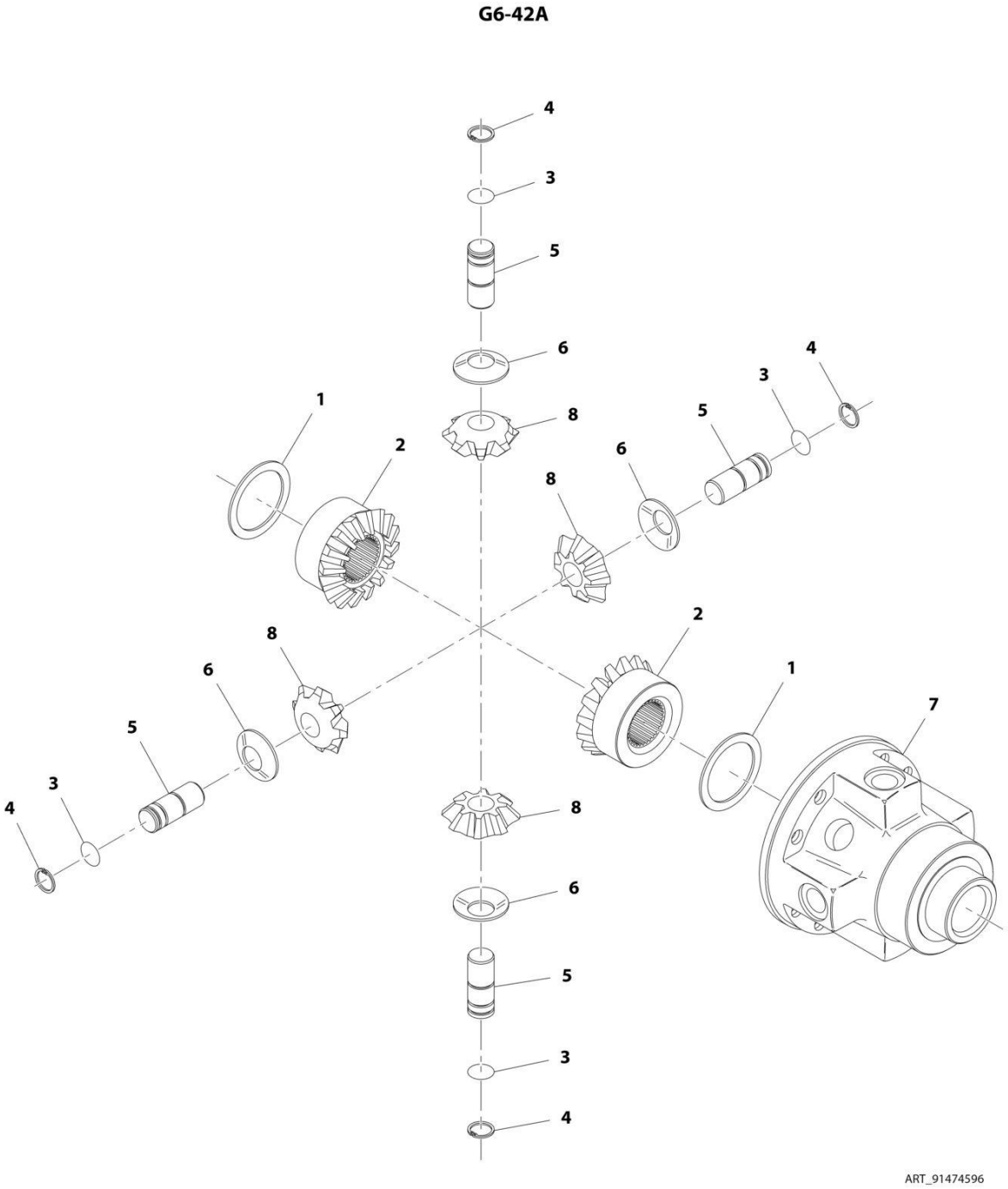
## FIGURE 5-39. TRUNION (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-39. TRUNION (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001179606 | Ref | AXLE - TRUNION | |
| 89 | 7029292 | 2 | SUPPORT | |

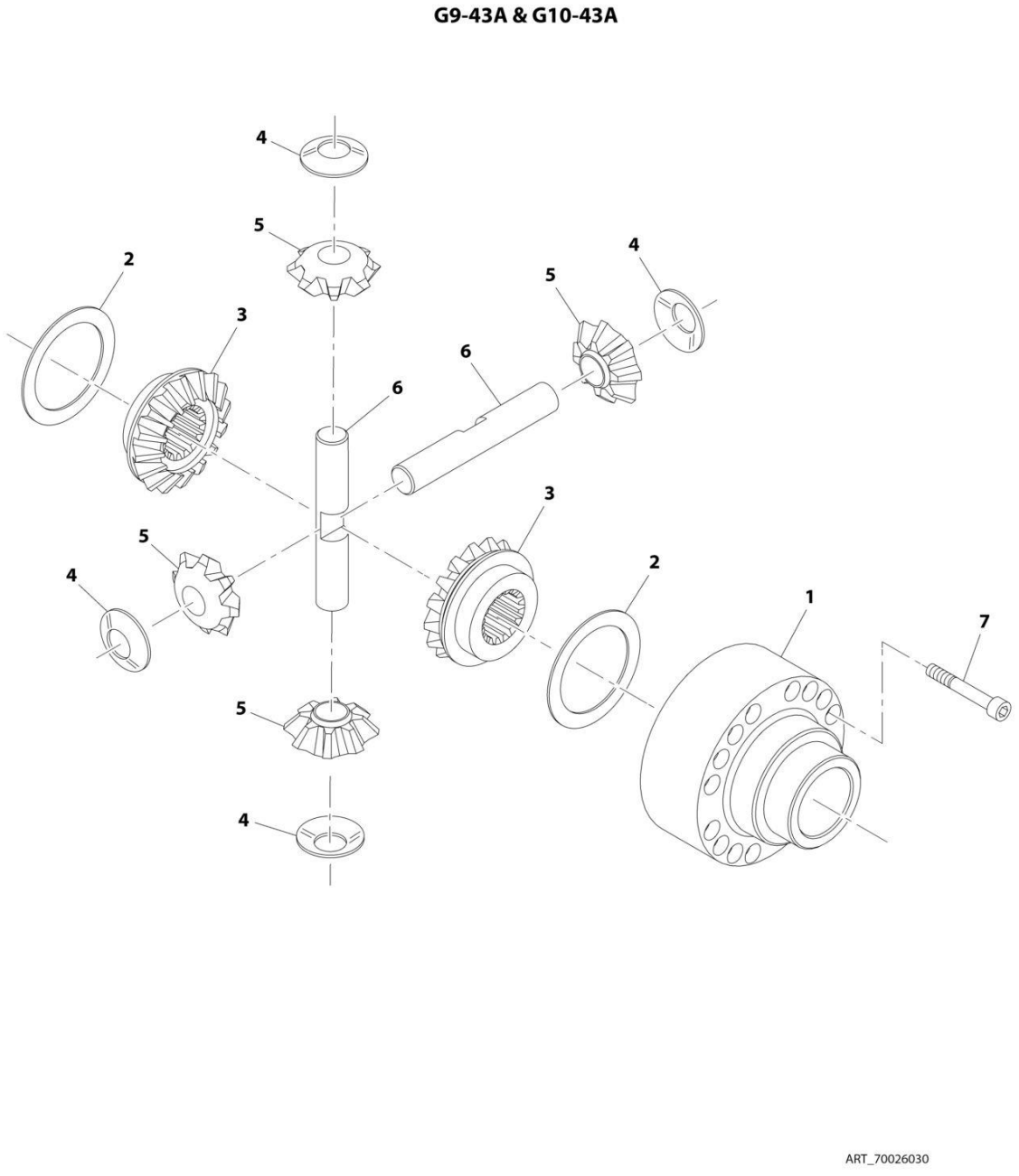
## FIGURE 5-40. REAR AXLE DIFFERENTIAL ASSEMBLY (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-40. REAR AXLE DIFFERENTIAL ASSEMBLY (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91474596 | 1 | REAR AXLE DIFFERENTIAL ASSEMBLY | |
| 1 | 91474593 | 2 | FRICTION WASHER | |
| 2 | 91474594 | 2 | DIFFERENTIAL SIDE GEAR | |
| 3 | 91474551 | 4 | CIRCLIP | |
| 4 | 91474550 | 4 | CIRCLIP | |
| 5 | 7029131 | 4 | PIN | |
| 6 | 91474553 | 4 | FRICTION WASHER | |
| 7 | 91474595 | 1 | DIFFERENTIAL CARRIER | |
| 8 | 7029129 | 4 | DIFFERENTIAL PINION | |

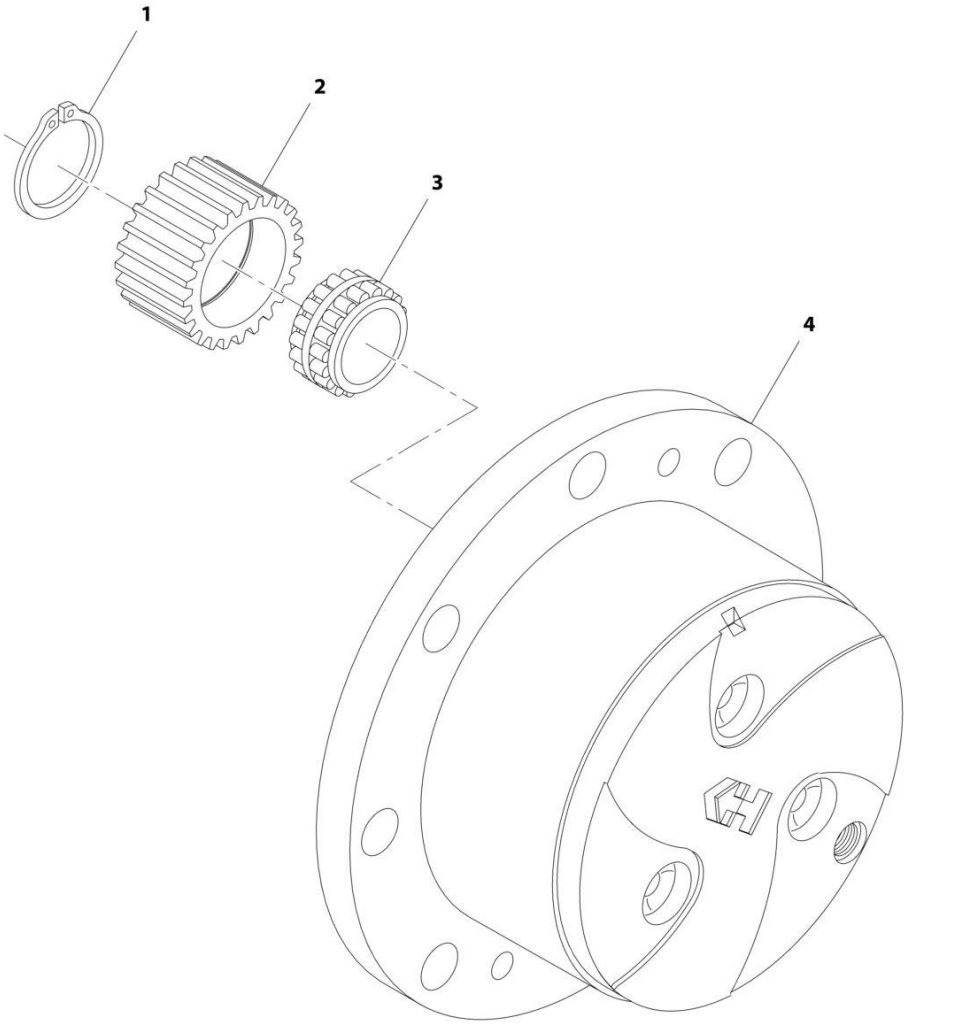
## FIGURE 5-41. REAR AXLE DIFFERENTIAL ASSEMBLY (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-41. REAR AXLE DIFFERENTIAL ASSEMBLY (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 70026030 | 1 | REAR AXLE DIFFERENTIAL ASSEMBLY | |
| 1 | 70025337 | 1 | DIFFERENTIAL CARRIER | |
| 2 | 70023493 | 2 | FRICTION WASHER | |
| 3 | 70025338 | 2 | DIFFERENTIAL SIDE GEAR | |
| 4 | 70027105 | 4 | FRICTION WASHER | |
| 5 | 70025339 | 4 | DIFFERENTIAL PINION | |
| 6 | 70023490 | 2 | DIFFERENTIAL SHAFT | |
| 7 | 70023489 | 15 | BOLT | |

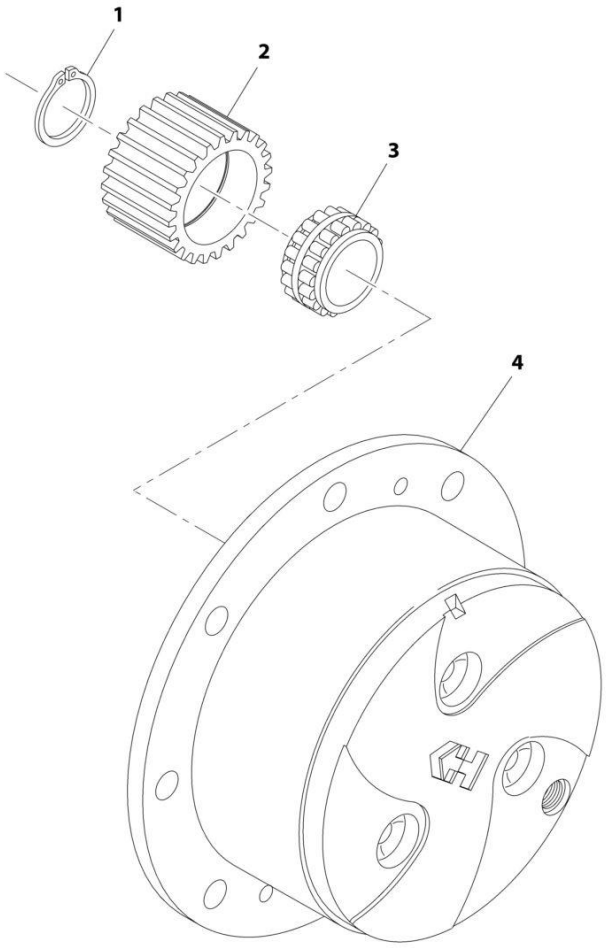
**FIGURE 5-42. PLANET GEAR CARRIER KIT (G6-42A) (SN 0160065511 to Present)**



## FIGURE 5-42. PLANET GEAR CARRIER KIT (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 7029431 | 1 | PLANET GEAR CARRIER KIT | |
| 1 | 91474585 | 8 | CIRCLIP | |
| 2 | 91474586 | 8 | PLANET GEAR | |
| 3 | 91474587 | 8 | BEARING | |
| 4 | 7029286 | 2 | PLANET GEAR CARRIER | |

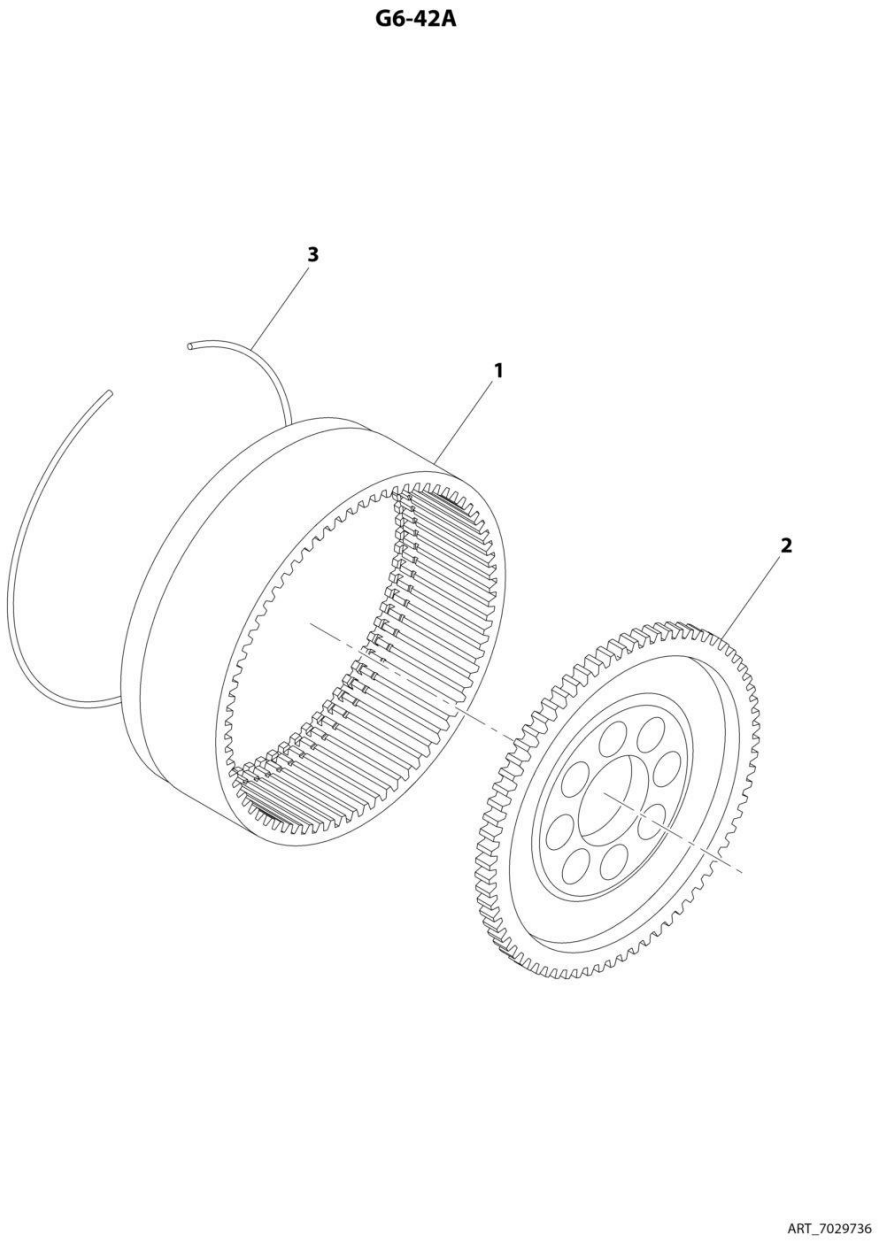
**FIGURE 5-43. PLANET GEAR CARRIER KIT (G10-43A,G9-43A) (SN 0160064120 to Present)**



## FIGURE 5-43. PLANET GEAR CARRIER KIT (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 7029733 | 1 | PLANET GEAR CARRIER KIT | |
| 1 | 91514184 | 6 | SNAP RING | |
| 2 | 91514185 | 6 | PLANET GEAR | |
| 3 | 91514186 | 6 | BEARING | |
| 4 | 7026731 | 2 | PLANET GEAR CARRIER | |

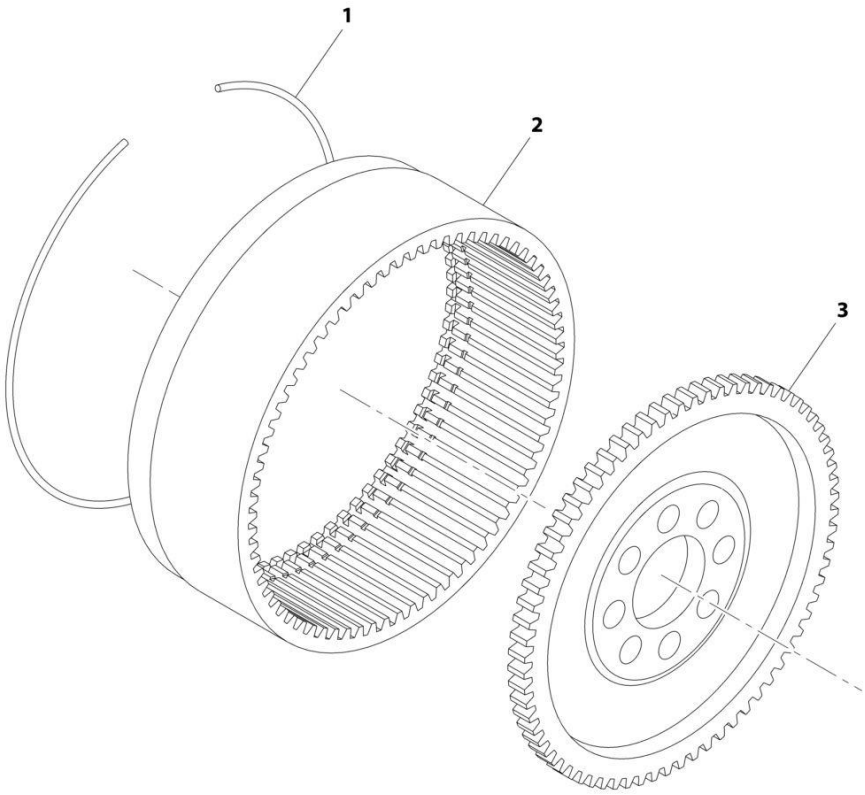
## FIGURE 5-44. RING GEAR SUPPORT KIT (G6-42A) (SN 0160065511 to Present)



## FIGURE 5-44. RING GEAR SUPPORT KIT (G6-42A) (SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 7029736 | 1 | RING GEAR SUPPORT KIT | |
| 1 | 91474580 | 2 | RING GEAR | |
| 2 | 91474581 | 2 | RING GEAR SUPPORT | |
| 3 | 91474579 | 2 | CIRCLIP | |

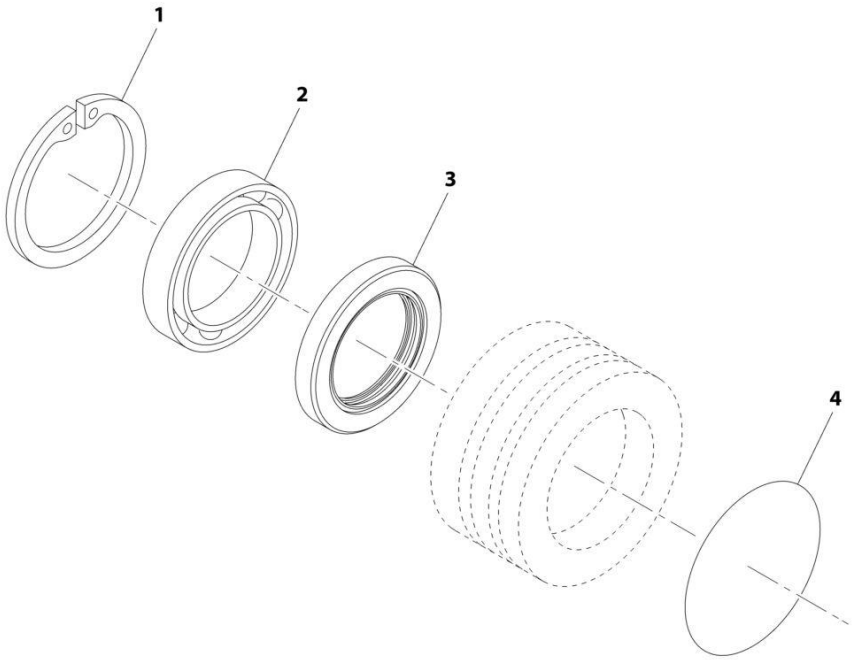
**FIGURE 5-45. RING GEAR SUPPORT KIT (G10-43A,G9-43A) (SN 0160064120 to Present)**



## FIGURE 5-45. RING GEAR SUPPORT KIT (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 70024146 | 1 | RING GEAR SUPPORT KIT | |
| 1 | 91514175 | 2 | CIRCLIP | |
| 2 | 70024147 | 2 | RING GEAR | |
| 3 | 9151477 | 2 | RING GEAR SUPPORT | |

**FIGURE 5-46. REDUCTION BUSHING (G6-42A SN 0160065511 to Present)**

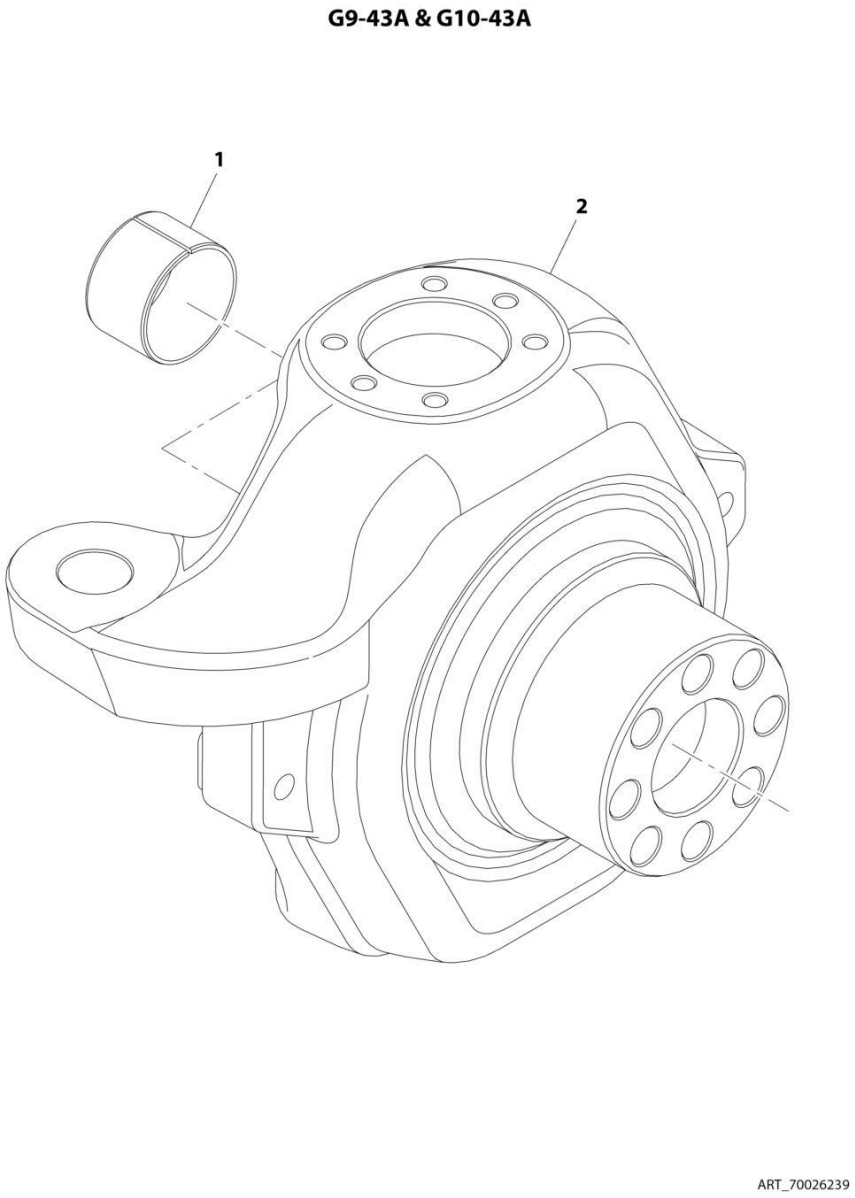



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## FIGURE 5-46. REDUCTION BUSHING (G6-42A SN 0160065511 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91514149 | 1 | REDUCTION BUSHING | |
| 1 | 80204005 | 2 | CIRCLIP | |
| 2 | 91514146 | 2 | BALL BEARING | |
| 3 | 91514147 | 2 | SEAL | |
| 4 | 91514148 | 2 | O-RING | |

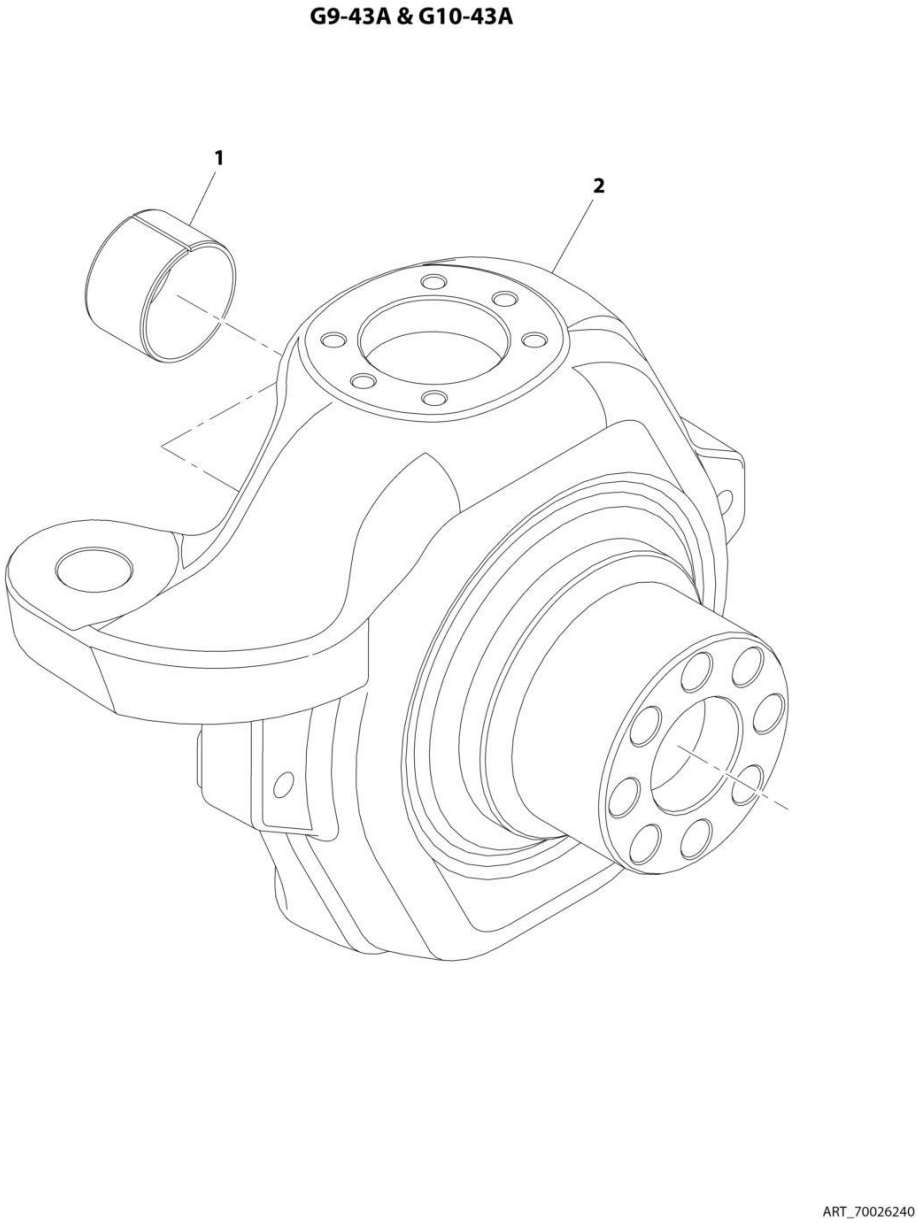
**FIGURE 5-47. STEERING CASE KIT (LH) (G10-43A,G9-43A) (SN 0160064120 to Present)**



## FIGURE 5-47. STEERING CASE KIT (LH) (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 70026239 | 1 | STEERING CASE KIT LH | |
| 1 | 91514111 | 1 | THRUST BUSHING | |
| 2 | N.S.S. | 1 | STEERING CASE | |

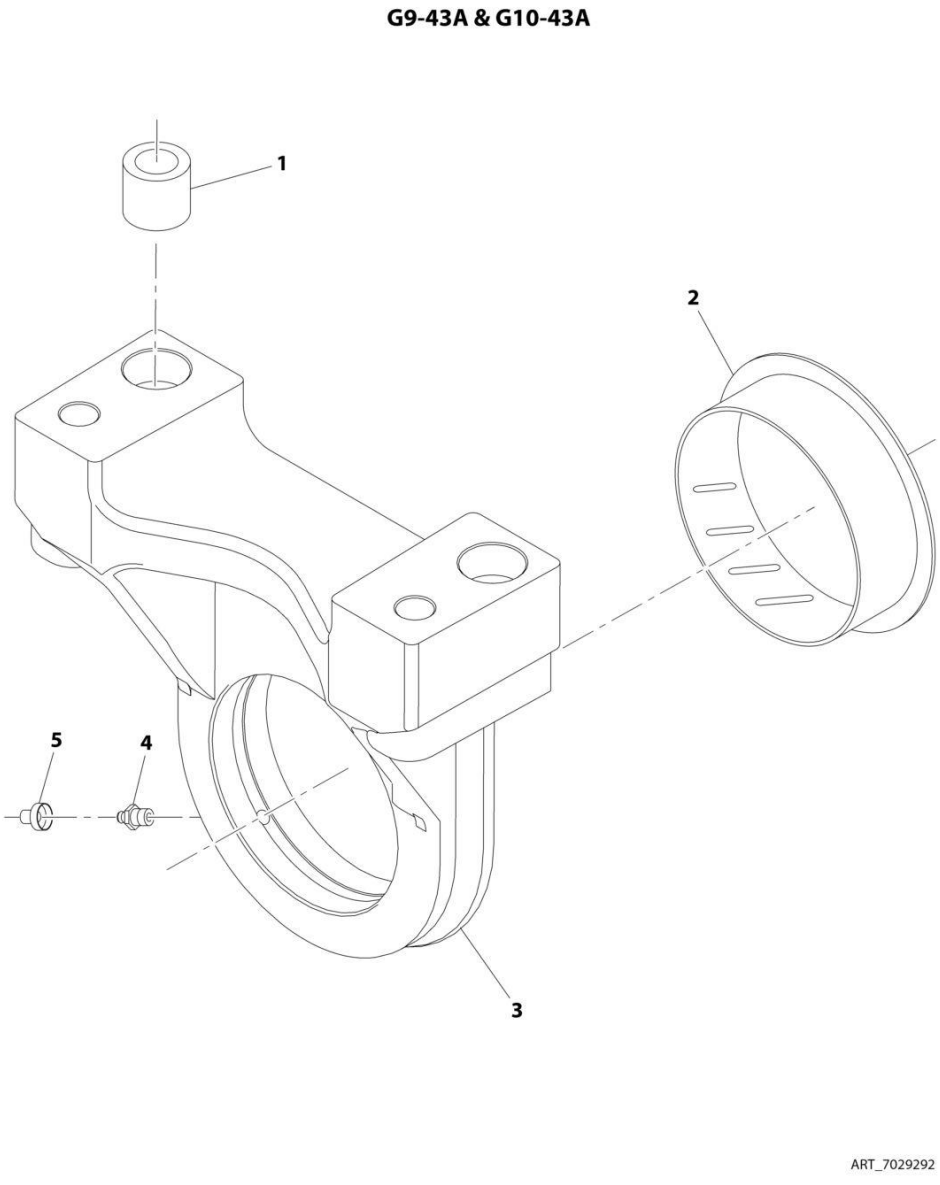
## FIGURE 5-48. STEERING CASE KIT (RH) (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-48. STEERING CASE KIT (RH) (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 70026240 | 1 | STEERING CASE KIT RH | |
| 1 | 91514111 | 1 | THRUST BUSHING | |
| 2 | N.S.S. | 1 | STEERING CASE | |

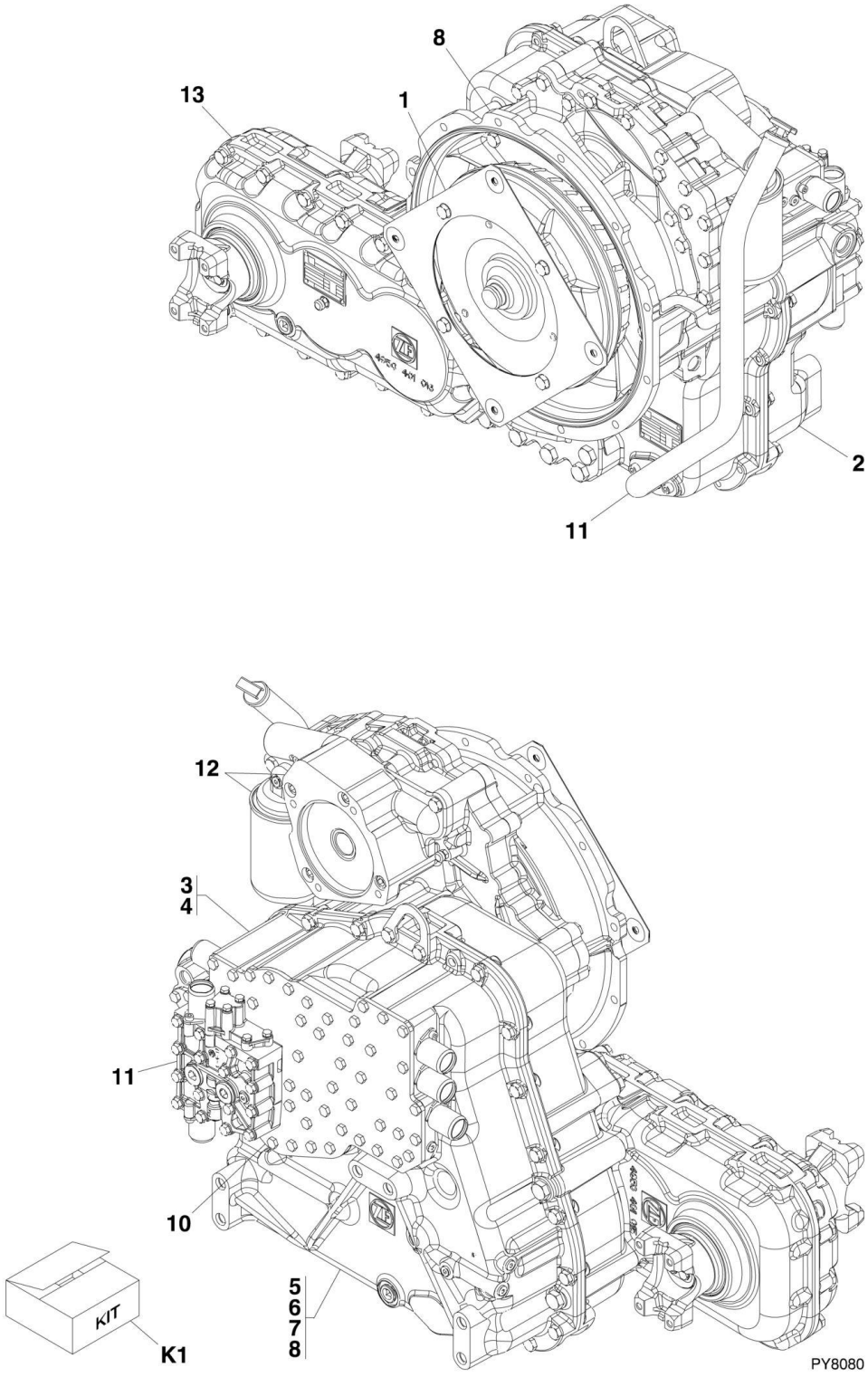
## FIGURE 5-49. REAR AXLE SUPPORT ASSEMBLY (G10-43A,G9-43A) (SN 0160064120 to Present)



## FIGURE 5-49. REAR AXLE SUPPORT ASSEMBLY (G10-43A,G9-43A) (SN 0160064120 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 7029292 | 1 | REAR AXLE SUPPORT ASSEMBLY | |
| 1 | 7029290 | 4 | BUSHING | |
| 2 | 91514090 | 2 | THRUST BUSHING | |
| 3 | N.S.S. | 1 | TRUNION | |
| 4 | 91514099 | 2 | GREASE FITTING | |
| 5 | 80204117 | 2 | PLUG | |

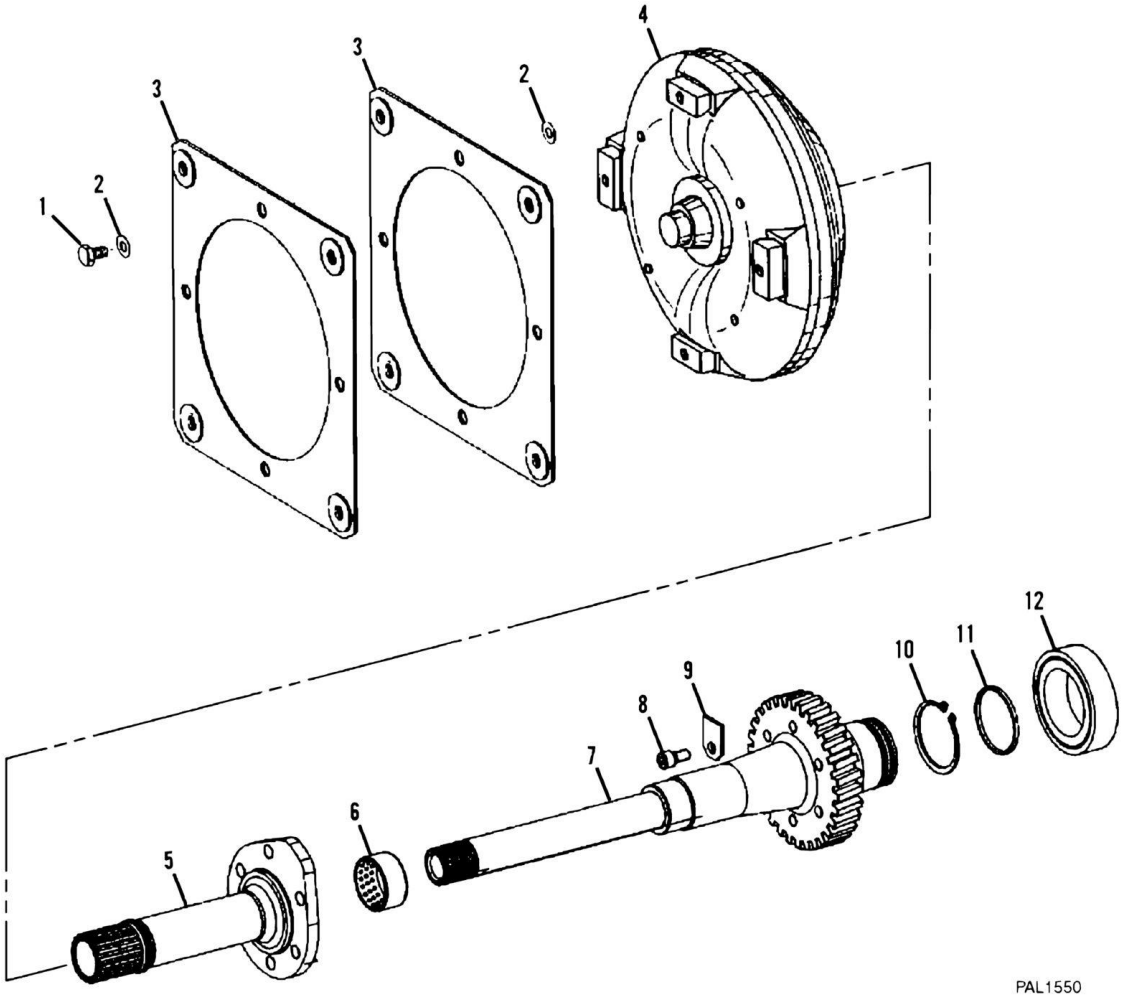
**FIGURE 5-50. ZF TRANSMISSION**



## FIGURE 5-50. ZF TRANSMISSION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4540020 | 1 | ZF TRANSMISSION, (includes all items) | C |
| 1 | | Ref | TORQUE CONVERTER AND INPUT, (See ZF TRANSMISSION - CONVERTER AND INPUT for Breakdown) | |
| 2 | | Ref | GEARBOX HOUSING, (See ZF TRANSMISSION - GEARBOX HOUSING for Breakdown) | |
| 3 | | Ref | FORWARD GEAR GROUP, (See ZF TRANSMISSION - FORWARD GEAR GROUP for Breakdown) | |
| 4 | | Ref | REVERSE GEAR GROUP, (See ZF TRANSMISSION - REVERSE GEAR GROUP for Breakdown) | |
| 5 | | Ref | 1ST SHAFT GROUP, (See ZF TRANSMISSION - 1ST SHAFT GROUP for Breakdown) | |
| 6 | | Ref | 2ND SHAFT GROUP, (See ZF TRANSMISSION - 2ND SHAFT GROUP for Breakdown) | |
| 7 | | Ref | 3RD SHAFT GROUP, (See ZF TRANSMISSION - 3RD SHAFT GROUP for Breakdown) | |
| 8 | | Ref | 4TH SHAFT GROUP, (See ZF TRANSMISSION - 4TH SHAFT GROUP for Breakdown) | |
| 9 | | Ref | POWER TAKE-OFF, (See ZF TRANSMISSION - POWER TAKE-OFF for Breakdown) | |
| 10 | | Ref | CONTROL UNIT AND PRESSURE REGULATOR, (See ZF TRANSMISSION - CONTROL UNIT AND PRESSURE REGULATOR for Breakdown) | |
| 11 | | Ref | GEARSHIFT SYSTEM, (See ZF TRANSMISSION - GEARSHIFT SYSTEM for Breakdown) | |
| 12 | | Ref | OIL PUMP, FILTER AND DIPSTICK, (See ZF TRANSMISSION - OIL PUMP, FILTER AND DIPSTICK for Breakdown) | |
| 13 | | Ref | TRANSFER BOX, (See ZF TRANSMISSION - TRANSFER BOX for Breakdown) | |
| K1 | 7026797 | 1 | SEAL KIT, (includes all seals required for rebuild) | |

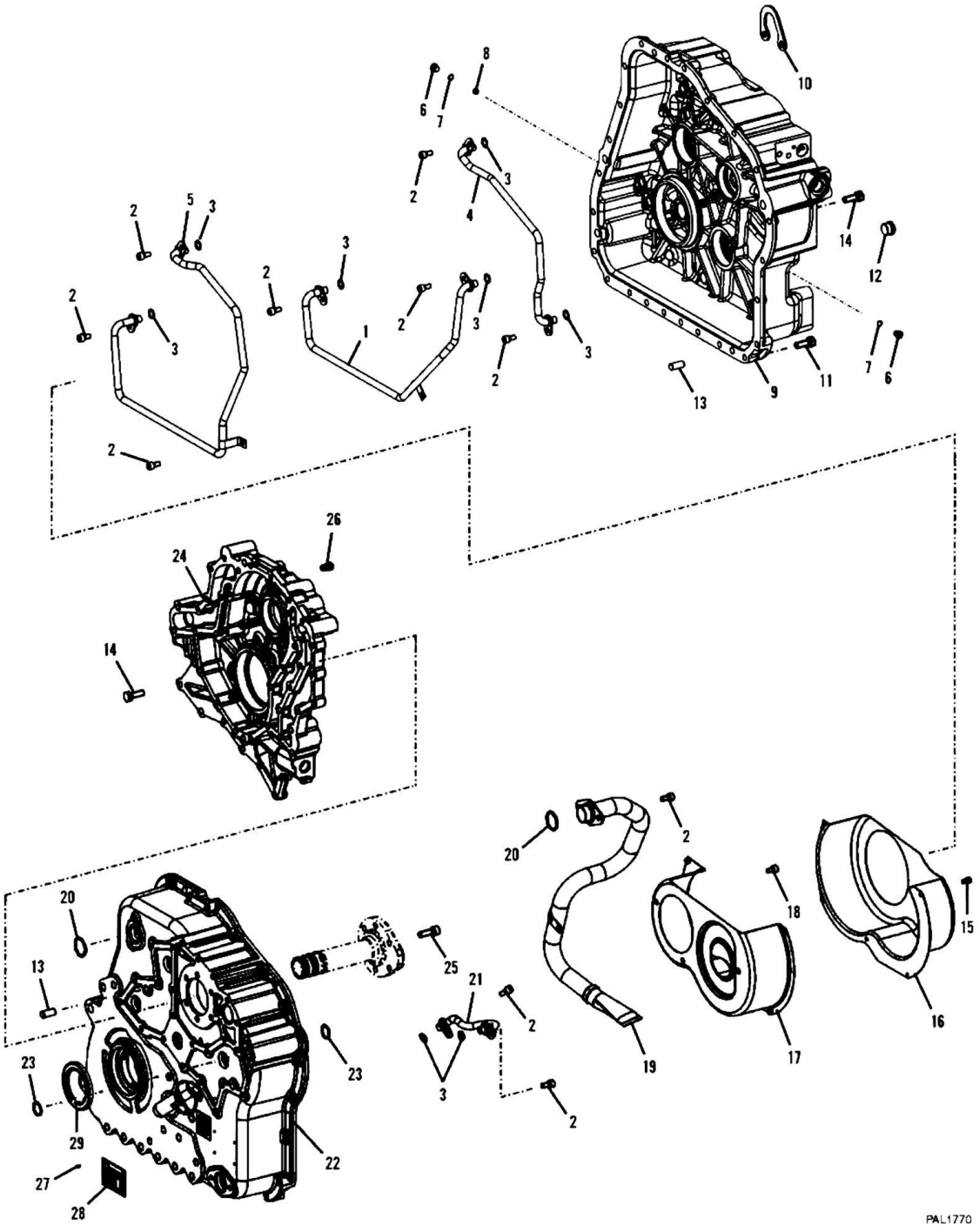
**FIGURE 5-51. ZF TRANSMISSION - CONVERTER AND INPUT**



## FIGURE 5-51. ZF TRANSMISSION - CONVERTER AND INPUT

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026744 | 4 | HEX HD CAPSCREW, M10X16, GR8.8 | |
| 2 | 7026745 | 8 | WASHER | |
| 3 | 1319229 | 2 | DIAPHRAGM | |
| 4 | 7026746 | 1 | CONVERTER | |
| 5 | 7026748 | 1 | STATOR SHAFT | |
| 6 | 1319558 | 1 | BEARING BUSHING | |
| 7 | 7026747 | 1 | TURBINE SHAFT | |
| 8 | N.S.S. | 2 | CAPSCREW, M8X16, GR8.8 | |
| 9 | N.S.S. | 2 | SHACKLE | |
| 10 | 80304405 | 1 | RETAINING RING | |
| 11 | 7026749 | 1 | PISTON RING | |
| 12 | 1319563 | 1 | BALL BEARING | |

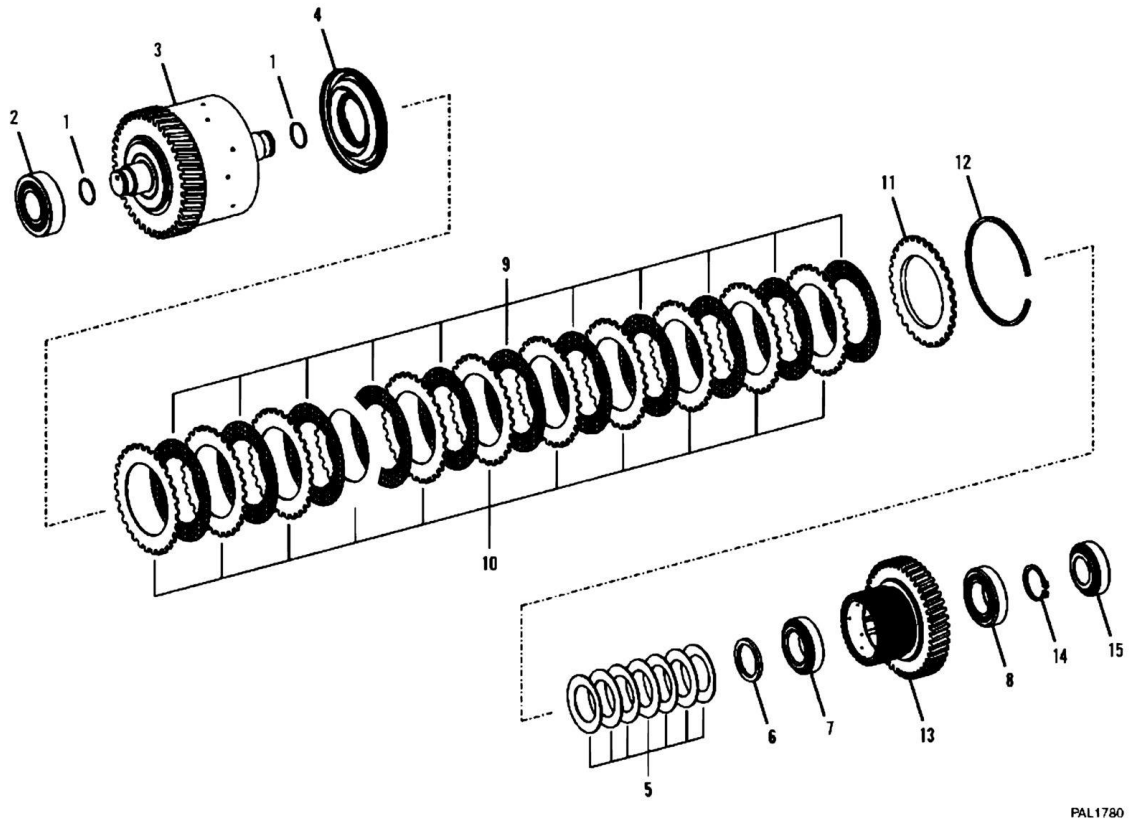
## FIGURE 5-52. ZF TRANSMISSION - GEARBOX HOUSING



## FIGURE 5-52. ZF TRANSMISSION - GEARBOX HOUSING

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026751 | 1 | PIPE | |
| 2 | 1319585 | 11 | HEX HD CAPSCREW, M8X16, GR8.8 | |
| 3 | 8036847 | 8 | O-RING | |
| 4 | 7026750 | 1 | PIPE | |
| 5 | 7026752 | 1 | PIPE | |
| 6 | 1319670 | 7 | PLUG | |
| 7 | 80304327 | 7 | O-RING | |
| 8 | N.S.S. | 1 | ORIFICE | |
| 9 | N.S.S. | 1 | HOUSING | |
| 10 | 1319590 | 1 | BRACKET | |
| 11 | N.S.S. | 6 | HEX HD CAPSCREW, M10X50, GR8.8 | |
| 12 | N.S.S. | 1 | PLUG | |
| 13 | 1319571 | 4 | PIN | |
| 14 | 80304394 | 31 | HEX HD CAPSCREW, M10X30, GR8.8 | |
| 15 | 1319646 | 5 | HEX HD CAPSCREW | |
| 16 | 7026756 | 1 | SCREEN SHEET | |
| 17 | 7026755 | 1 | SCREEN SHEET | |
| 18 | N.S.S. | 3 | CAPSCREW, M8X12, GR8.8 | |
| 19 | 7026753 | 1 | SUCTION TUBE | |
| 20 | 1319581 | 2 | O-RING | |
| 21 | 7026754 | 1 | PIPE | |
| 22 | N.S.S. | 1 | HOUSING | |
| 23 | N.S.S. | 2 | O-RING | |
| 24 | N.S.S. | 1 | HOUSING | |
| 25 | N.S.S. | 6 | CAPSCREW, M10X30, GR8.8 | |
| 26 | 10731744 | 1 | BREATHER | |
| 27 | N.S.S. | 4 | GROOVED STUD, 3X5 | |
| 28 | N.S.S. | 1 | TYPE PLATE | |
| 29 | 1319641 | 1 | SHAFT SEAL | |

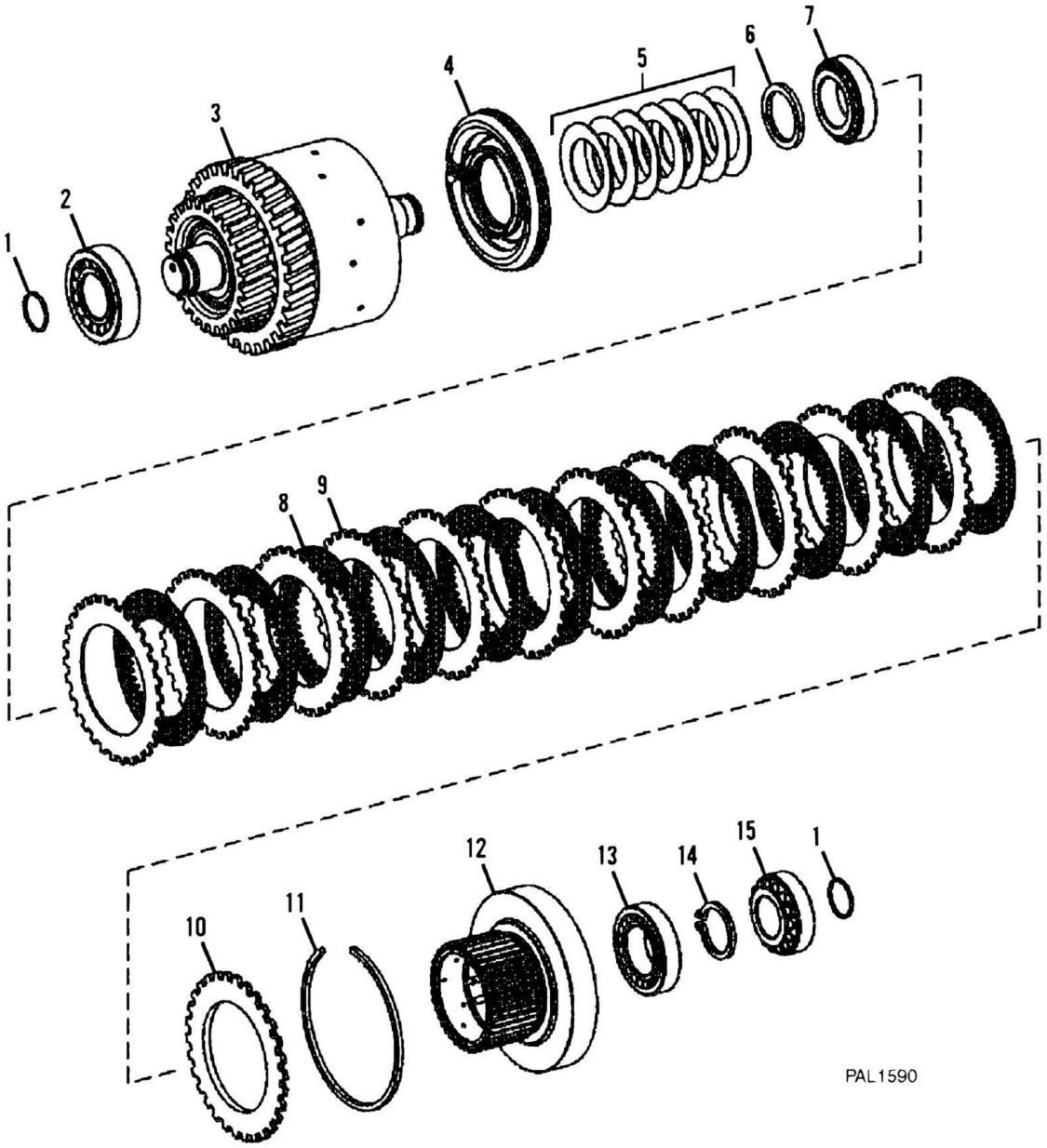
**FIGURE 5-53. ZF TRANSMISSION - FORWARD GEAR GROUP**



## FIGURE 5-53. ZF TRANSMISSION - FORWARD GEAR GROUP

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026761 | 2 | PISTON RING | |
| 2 | 1319615 | 1 | ROLLER BEARING | |
| 3 | 7026757 | 1 | COUPLING | |
| 4 | 8036575 | 1 | PISTON | |
| 5 | 1319595 | 7 | CUP SPRING | |
| 6 | 1319617 | 1 | SUPPORT SHIM | |
| 7 | 1319618 | 1 | ROLLER BEARING | |
| 8 | 1319620 | 1 | ROLLER BEARING | |
| 9 | 7026758 | 11 | FRICTION DISC | |
| 10 | 7026759 | 11 | STATIC DISC | |
| 11 | 7026760 | 1 | END SHIM | |
| 12 | 1319600 | AR | SNAP RING, 4.0 | |
| 12 | 7029850 | AR | SNAP RING, 3.75 | |
| 12 | 1319601 | AR | SNAP RING, 3.5 | |
| 12 | 7029849 | AR | SNAP RING, 3.25 | |
| 12 | 1319602 | AR | SNAP RING, 3.0 | |
| 12 | 7029852 | AR | SNAP RING, 2.75 | |
| 12 | 1319603 | AR | SNAP RING, 2.5 | |
| 12 | 7029851 | AR | SNAP RING, 2.25 | |
| 12 | 1319604 | AR | SNAP RING, 2.0 | |
| 13 | 1319638 | 1 | DISC CARRIER | |
| 14 | 1319621 | AR | RETAINING RING, 3.20 | |
| 14 | 1319622 | AR | RETAINING RING, 3.10 | |
| 14 | 1319623 | AR | RETAINING RING, 3.00 | |
| 14 | 1319624 | AR | RETAINING RING, 2.90 | |
| 14 | 1319625 | AR | RETAINING RING, 2.80 | |
| 14 | 1319626 | AR | RETAINING RING, 2.70 | |
| 14 | 1319627 | AR | RETAINING RING, 2.60 | |
| 14 | 1319628 | AR | RETAINING RING, 2.50 | |
| 14 | 1319629 | AR | RETAINING RING, 2.40 | |
| 14 | 1319630 | AR | RETAINING RING, 2.30 | |
| 14 | 1319631 | AR | RETAINING RING, 2.20 | |
| 14 | 1319632 | AR | RETAINING RING, 2.10 | |
| 15 | 1319636 | 1 | ROLLER BEARING | |

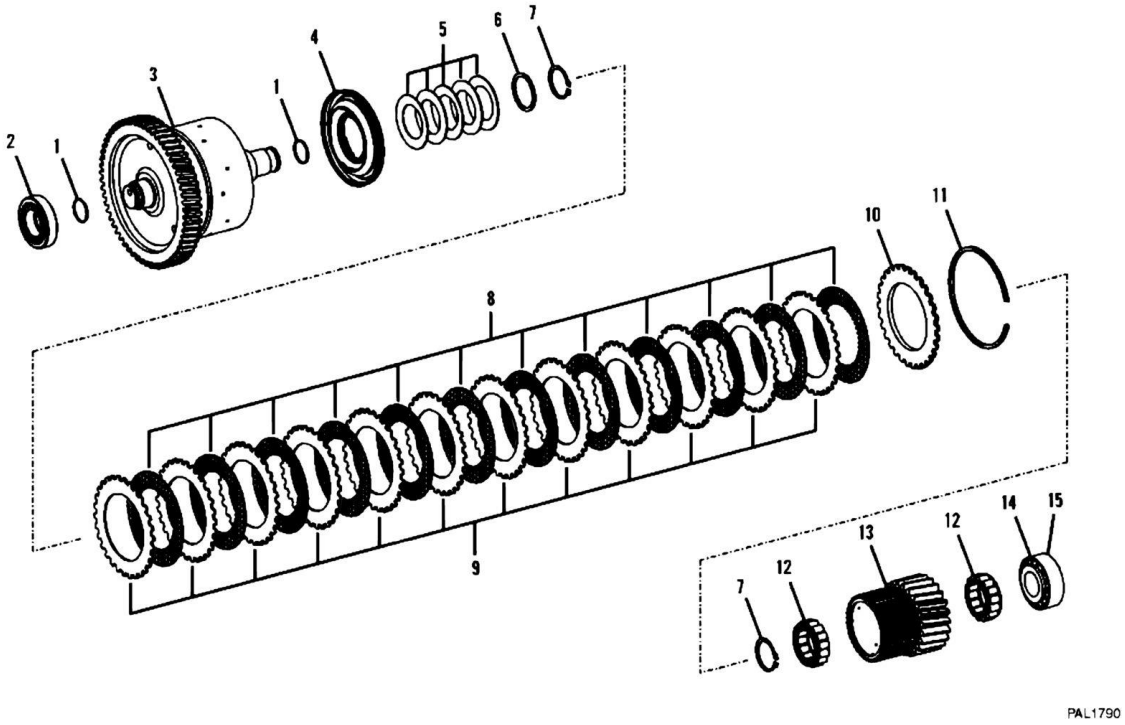
**FIGURE 5-54. ZF TRANSMISSION - REVERSE GEAR GROUP**



## FIGURE 5-54. ZF TRANSMISSION - REVERSE GEAR GROUP

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026761 | 2 | PISTON RING | |
| 2 | 1319615 | 1 | ROLLER BEARING | |
| 3 | 7026762 | 1 | COUPLING | |
| 4 | 8036575 | 1 | PISTON | |
| 5 | 1319595 | 7 | CUP SPRING | |
| 6 | 1319617 | 1 | SUPPORT SHIM | |
| 7 | 1319618 | 1 | ROLLER BEARING | |
| 8 | 7026758 | 11 | FRICTION DISC | |
| 9 | 7026759 | 11 | STATIC DISC | |
| 10 | 7026760 | 1 | END SHIM | |
| 11 | 1319600 | AR | SNAP RING, 4.0 | |
| 11 | 7029850 | AR | SNAP RING, 3.75 | |
| 11 | 1319601 | AR | SNAP RING, 3.5 | |
| 11 | 7029849 | AR | SNAP RING, 3.25 | |
| 11 | 1319602 | AR | SNAP RING, 3.0 | |
| 11 | 7029852 | AR | SNAP RING, 2.75 | |
| 11 | 1319603 | AR | SNAP RING, 2.5 | |
| 11 | 7029851 | AR | SNAP RING, 2.25 | |
| 11 | 1319604 | AR | SNAP RING, 2.0 | |
| 12 | 1319638 | 1 | DISC CARRIER | |
| 13 | 1319620 | 1 | ROLLER BEARING | |
| 14 | 1319621 | AR | RETAINING RING, 3.20 | |
| 14 | 1319622 | AR | RETAINING RING, 3.10 | |
| 14 | 1319623 | AR | RETAINING RING, 3.00 | |
| 14 | 1319624 | AR | RETAINING RING, 2.90 | |
| 14 | 1319625 | AR | RETAINING RING, 2.80 | |
| 14 | 1319626 | AR | RETAINING RING, 2.70 | |
| 14 | 1319627 | AR | RETAINING RING, 2.60 | |
| 14 | 1319628 | AR | RETAINING RING, 2.50 | |
| 14 | 1319629 | AR | RETAINING RING, 2.40 | |
| 14 | 1319630 | AR | RETAINING RING, 2.30 | |
| 14 | 1319631 | AR | RETAINING RING, 2.20 | |
| 14 | 1319632 | AR | RETAINING RING, 2.10 | |
| 15 | 1319636 | 1 | ROLLER BEARING | |

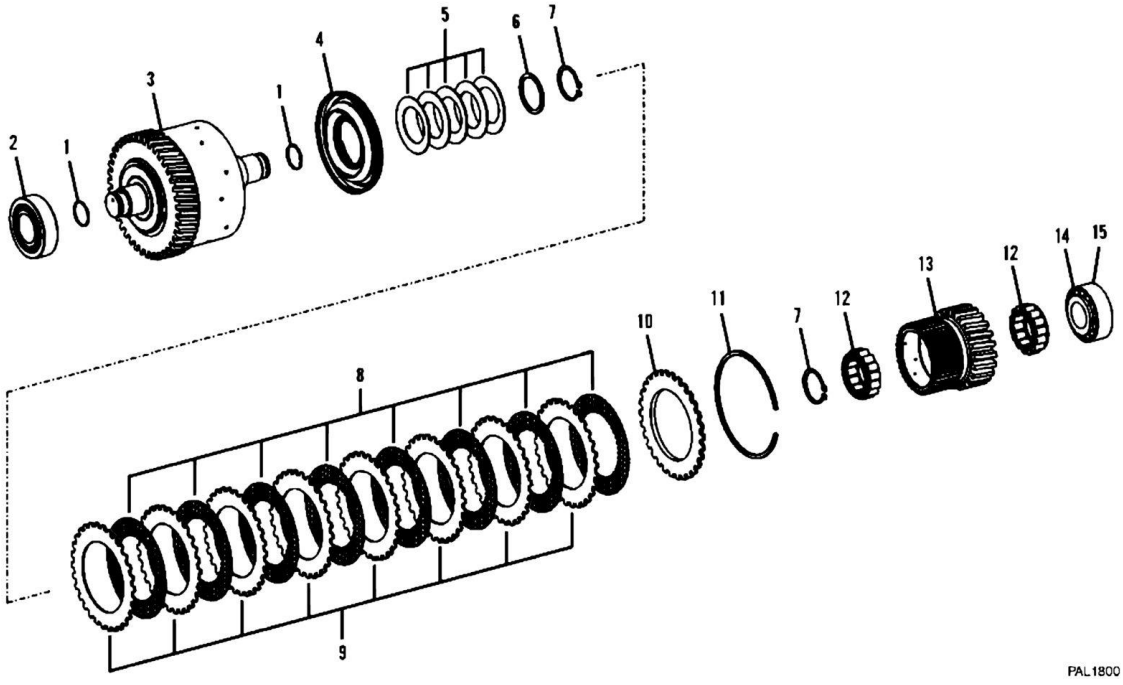
**FIGURE 5-55. ZF TRANSMISSION - 1ST SHAFT GROUP**



## FIGURE 5-55. ZF TRANSMISSION - 1ST SHAFT GROUP

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026761 | 2 | PISTON RING | |
| 2 | 1319608 | 1 | ROLLER BEARING | |
| 3 | 1319591 | 1 | COUPLING | |
| 4 | 8036575 | 1 | PISTON | |
| 5 | 1319595 | 5 | CUP SPRING | |
| 6 | 1319596 | 1 | SHIM | |
| 7 | 10731845 | 2 | RETAINING RING | |
| 8 | 7026758 | 12 | FRICTION DISC | |
| 9 | 7026759 | 12 | STATIC DISC | |
| 10 | 7026760 | 1 | END SHIM | |
| 11 | 1319600 | AR | SNAP RING, 4.0 | |
| 11 | 7029850 | AR | SNAP RING, 3.75 | |
| 11 | 1319601 | AR | SNAP RING, 3.5 | |
| 11 | 7029849 | AR | SNAP RING, 3.25 | |
| 11 | 1319602 | AR | SNAP RING, 3.0 | |
| 11 | 7029852 | AR | SNAP RING, 2.75 | |
| 11 | 1319603 | AR | SNAP RING, 2.5 | |
| 11 | 7029851 | AR | SNAP RING, 2.25 | |
| 11 | 1319604 | AR | SNAP RING, 2.0 | |
| 12 | 1319606 | 2 | ROLLER CAGE | |
| 13 | 1319607 | 1 | DISC CARRIER | |
| 14 | 7029532 | 1 | OUTER RING | |
| 15 | 7029533 | 1 | INNER RING | |

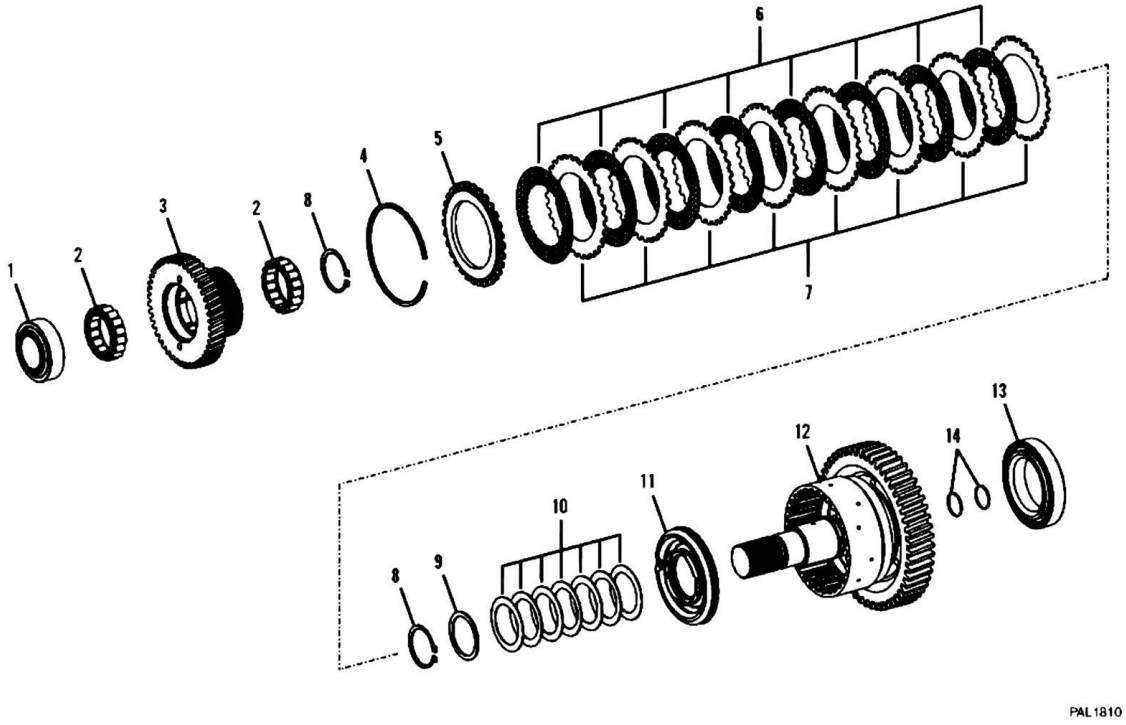
**FIGURE 5-56. ZF TRANSMISSION - 2ND SHAFT GROUP**



## FIGURE 5-56. ZF TRANSMISSION - 2ND SHAFT GROUP

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026761 | 2 | PISTON RING | |
| 2 | 1319615 | 1 | ROLLER BEARING | |
| 3 | 7026763 | 1 | COUPLING | |
| 4 | 8036575 | 1 | PISTON | |
| 5 | 1319595 | 5 | CUP SPRING | |
| 6 | 1319596 | 1 | SHIM | |
| 7 | 10731845 | 2 | RETAINING RING | |
| 8 | 7026758 | 8 | FRICTION DISC | |
| 9 | 7026759 | 8 | STATIC DISC | |
| 10 | 7026760 | 1 | END SHIM | |
| 11 | 1319600 | AR | SNAP RING, 4.0 | |
| 11 | 7029850 | AR | SNAP RING, 3.75 | |
| 11 | 1319601 | AR | SNAP RING, 3.5 | |
| 11 | 7029849 | AR | SNAP RING, 3.25 | |
| 11 | 1319602 | AR | SNAP RING, 3.0 | |
| 11 | 7029852 | AR | SNAP RING, 2.75 | |
| 11 | 1319603 | AR | SNAP RING, 2.5 | |
| 11 | 7029851 | AR | SNAP RING, 2.25 | |
| 11 | 1319604 | AR | SNAP RING, 2.0 | |
| 12 | 1319606 | 2 | ROLLER CAGE | |
| 13 | 1319614 | 1 | DISC CARRIER | |
| 14 | 8036190 | 1 | ROLLER BEARING | |
| 15 | 7029533 | 1 | INNER RING | |

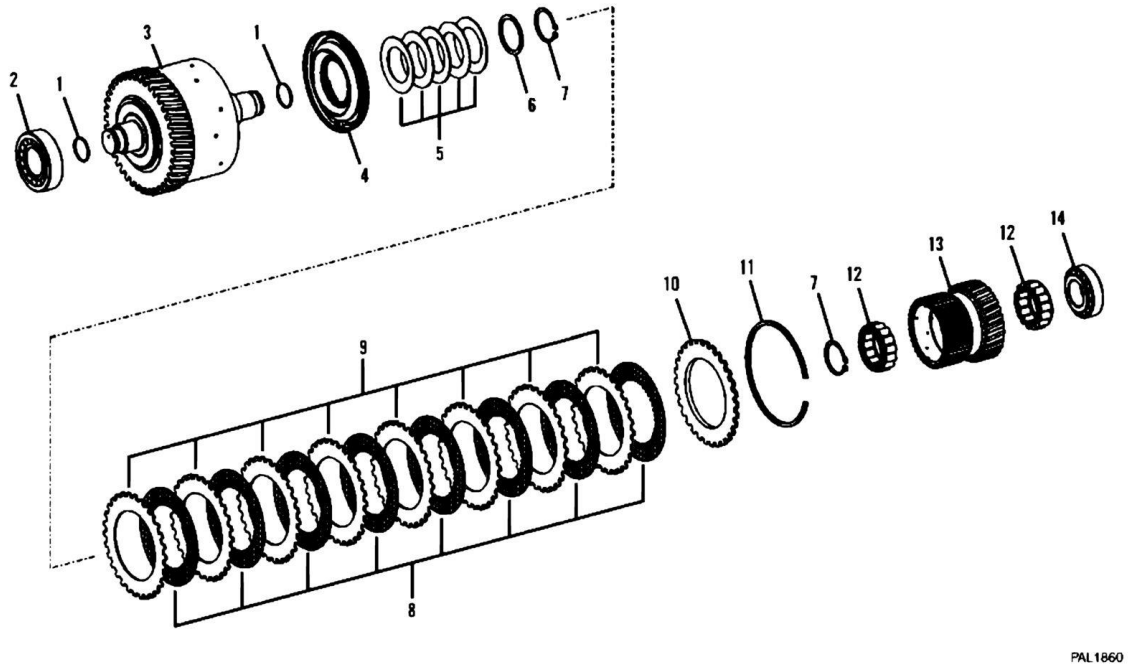
**FIGURE 5-57. ZF TRANSMISSION - 3RD SHAFT GROUP**



## FIGURE 5-57. ZF TRANSMISSION - 3RD SHAFT GROUP

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026768 | 1 | ROLLER BEARING | |
| 2 | 7026767 | 1 | ROLLER BEARING | |
| 3 | 1319619 | 1 | DISC CARRIER | |
| 4 | 1319600 | AR | SNAP RING, 4.0 | |
| 4 | 7029850 | AR | SNAP RING, 3.75 | |
| 4 | 1319601 | AR | SNAP RING, 3.5 | |
| 4 | 7029849 | AR | SNAP RING, 3.25 | |
| 4 | 1319602 | AR | SNAP RING, 3.0 | |
| 4 | 7029852 | AR | SNAP RING, 2.75 | |
| 4 | 1319603 | AR | SNAP RING, 2.5 | |
| 4 | 7029851 | AR | SNAP RING, 2.25 | |
| 4 | 1319604 | AR | SNAP RING, 2.0 | |
| 5 | 7026760 | 1 | END SHIM | |
| 6 | 7026758 | 8 | FRICTION DISC | |
| 7 | 7026759 | 8 | STATIC DISC | |
| 8 | 80304227 | 2 | RETAINING RING | |
| 9 | 7026766 | 1 | WASHER | |
| 10 | 7026765 | 7 | CUP SPRING | |
| 11 | 8036575 | 1 | PISTON | |
| 12 | 7026764 | 1 | COUPLING | |
| 13 | 7026769 | 1 | ROLLER BEARING | |
| 14 | 7026761 | 2 | PISTON BEARING | |

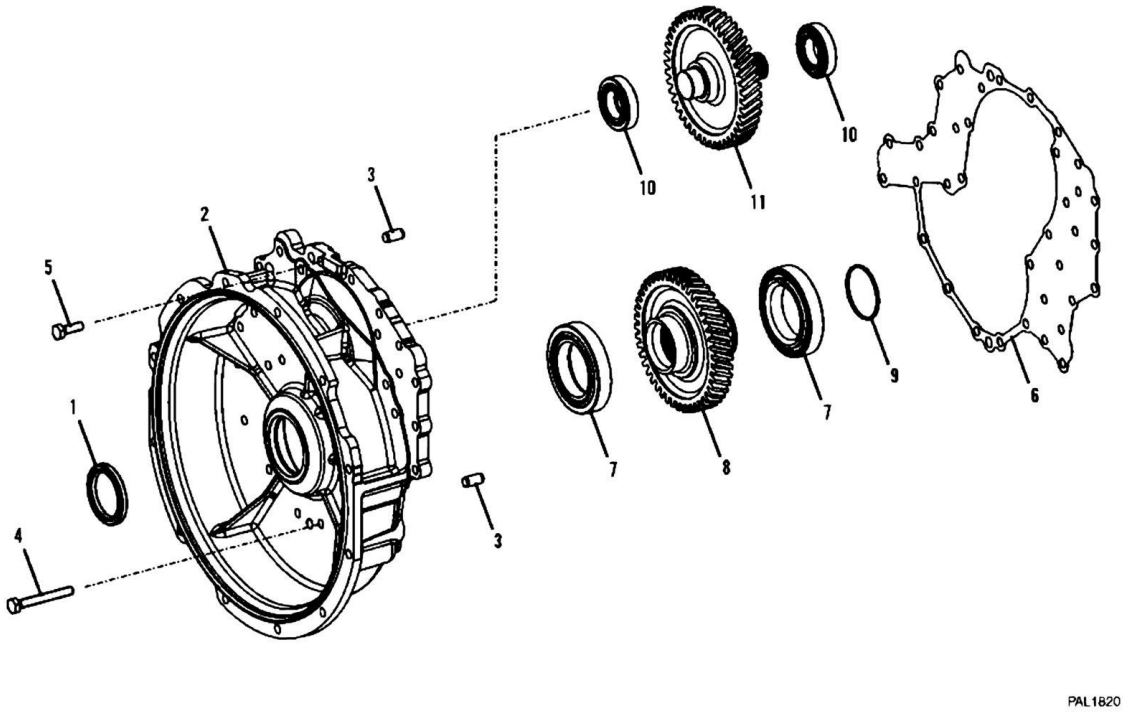
**FIGURE 5-58. ZF TRANSMISSION - 4TH SHAFT GROUP**



## FIGURE 5-58. ZF TRANSMISSION - 4TH SHAFT GROUP

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026761 | 2 | PISTON RING | |
| 2 | 1319615 | 1 | ROLLER BEARING | |
| 3 | 7026770 | 1 | COUPLING | |
| 4 | 8036575 | 1 | PISTON | |
| 5 | 1319595 | 5 | CUP SPRING | |
| 6 | 1319596 | 1 | SHIM | |
| 7 | 10731845 | 2 | RETAINING RING | |
| 8 | 7026758 | 12 | FRICTION DISC | |
| 9 | 7026759 | 12 | STATIC DISC | |
| 10 | 7026760 | 1 | END SHIM | |
| 11 | 1319600 | AR | SNAP RING, 4.0 | |
| 11 | 7029850 | AR | SNAP RING, 3.75 | |
| 11 | 1319601 | AR | SNAP RING, 3.5 | |
| 11 | 7029849 | AR | SNAP RING, 3.25 | |
| 11 | 1319602 | AR | SNAP RING, 3.0 | |
| 11 | 7029852 | AR | SNAP RING, 2.75 | |
| 11 | 1319603 | AR | SNAP RING, 2.5 | |
| 11 | 7029851 | AR | SNAP RING, 2.25 | |
| 11 | 1319604 | AR | SNAP RING, 2.0 | |
| 12 | 1319606 | 2 | ROLLER CAGE | |
| 13 | 1319635 | 1 | DISC CARRIER | |
| 14 | 1319636 | 1 | ROLLER BEARING | |

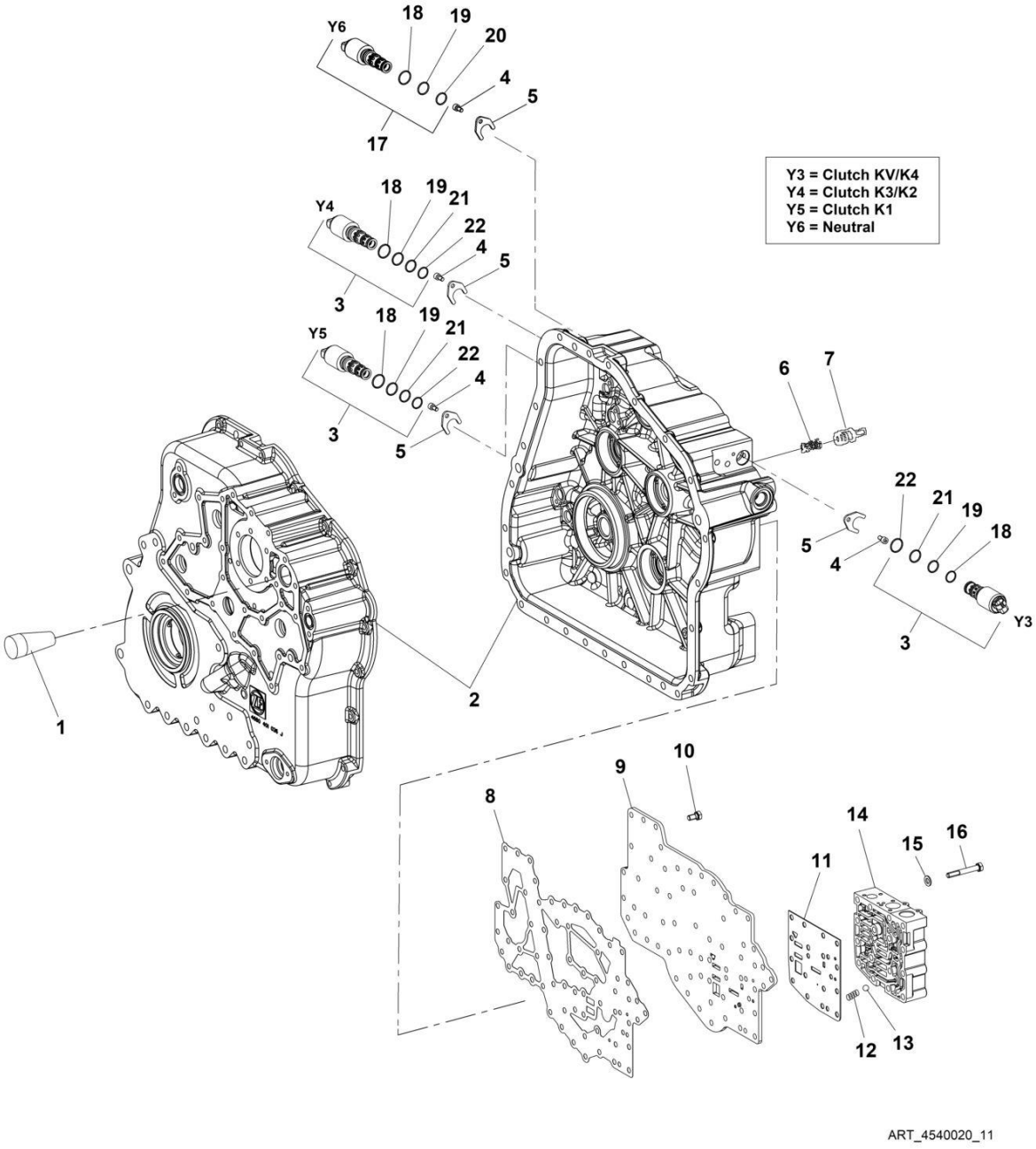
**FIGURE 5-59. ZF TRANSMISSION - POWER TAKE-OFF**



## FIGURE 5-59. ZF TRANSMISSION - POWER TAKE-OFF

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 1319576 | 1 | SHAFT SEAL | |
| 2 | 70021526 | 1 | HOUSING | |
| 3 | 1319571 | 2 | CYLINDRICAL PIN | |
| 4 | 7026775 | 15 | HEX HD CAPSCREW, M10X80, GR8.8 | |
| 5 | 80304394 | 21 | HEX HD CAPSCREW, M10X30, GR8.8 | |
| 6 | 7026774 | 1 | GASKET | |
| 7 | 7026769 | 2 | ROLLER BEARING | |
| 8 | 7026771 | 1 | SHAFT | |
| 9 | 7026772 | 1 | PISTON RING | |
| 10 | 1319608 | 2 | ROLLER BEARING | |
| 11 | 7026773 | 1 | SHAFT | |

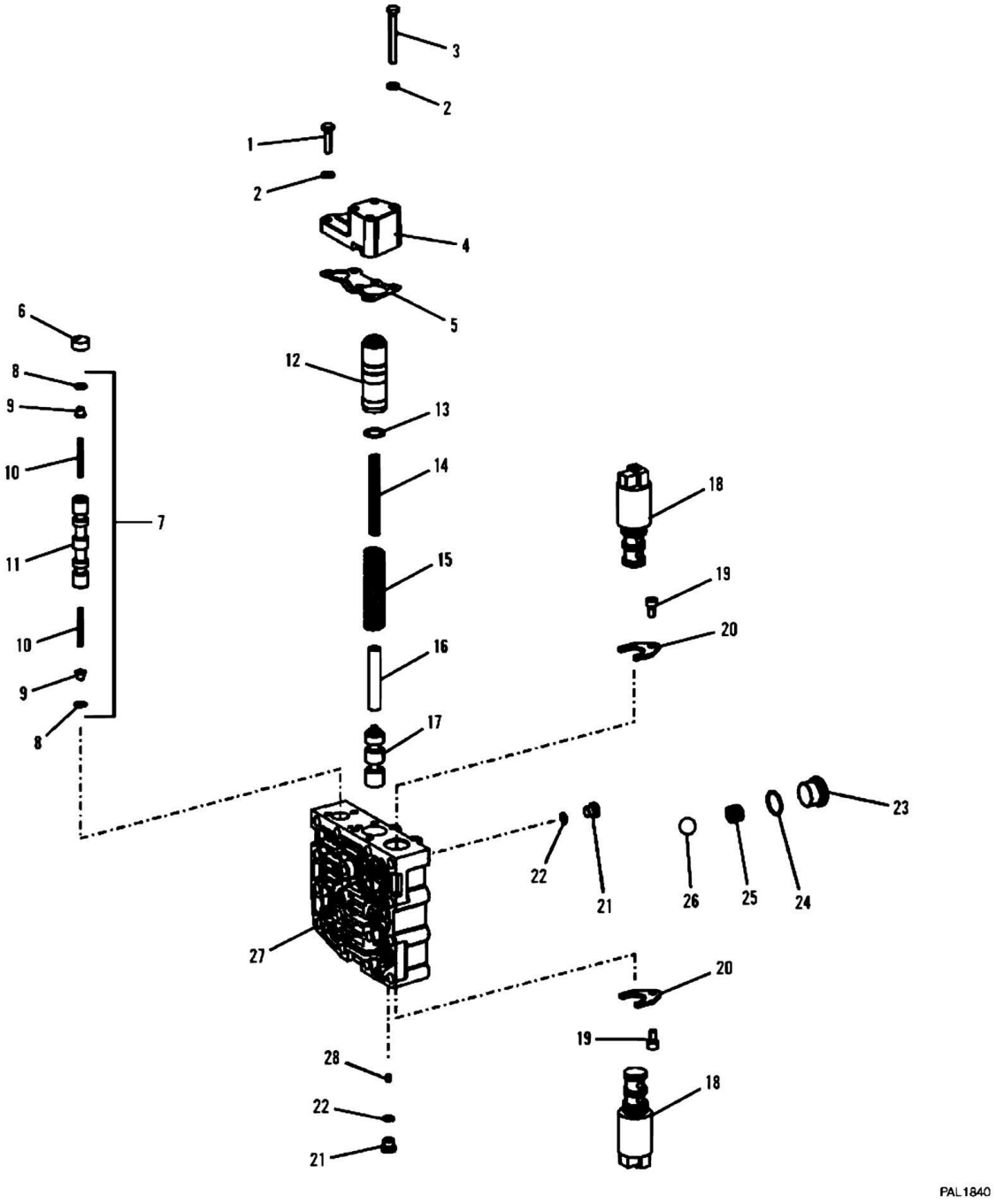
## FIGURE 5-60. ZF TRANSMISSION - CONTROL UNIT AND PRESSURE REGULATOR



## FIGURE 5-60. ZF TRANSMISSION - CONTROL UNIT AND PRESSURE REGULATOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 7026782 | 1 | VALVE | |
| 2 | | Ref | HOUSING, (See ZF TRANSMISSION - GEARBOX HOUSING for Breakdown) | |
| 3 | 8036529 | 3 | SOLENOID VALVE | |
| 4 | N.S.S. | 4 | CAPSCREW, M6X12, GR8.8 | |
| 5 | N.S.S. | 4 | BRACKET | |
| 6 | 7026784 | 1 | COMPRESSED SPRING | |
| 7 | 7026783 | 1 | PISTON | |
| 8 | 7026776 | 1 | GASKET | |
| 9 | 7026777 | 1 | PLATE | |
| 10 | 7026780 | 46 | HEX HD CAPSCREW | |
| 11 | 7026779 | 1 | INTERMEDIATE SHEET | |
| 12 | 7026778 | 1 | COMPRESSED SPRING | |
| 13 | 10731761 | 1 | BALL | |
| 14 | | Ref | VALVE HOUSING, (See ZF TRANSMISSION - GEARSHIFT SYSTEM for Breakdown) | |
| 15 | 10731756 | 16 | WASHER | |
| 16 | 7026781 | 16 | HEX HD CAPSCREW, M8X60, GR10.9 | |
| 17 | 8036528 | 1 | SOLENOID VALVE | |
| 18 | 70029540 | 4 | O-RING | |
| 19 | 70029541 | 4 | O-RING | |
| 20 | 70029530 | 1 | O-RING | |
| 21 | 70029542 | 3 | O-RING | |
| 22 | 70029543 | 3 | O-RING | |

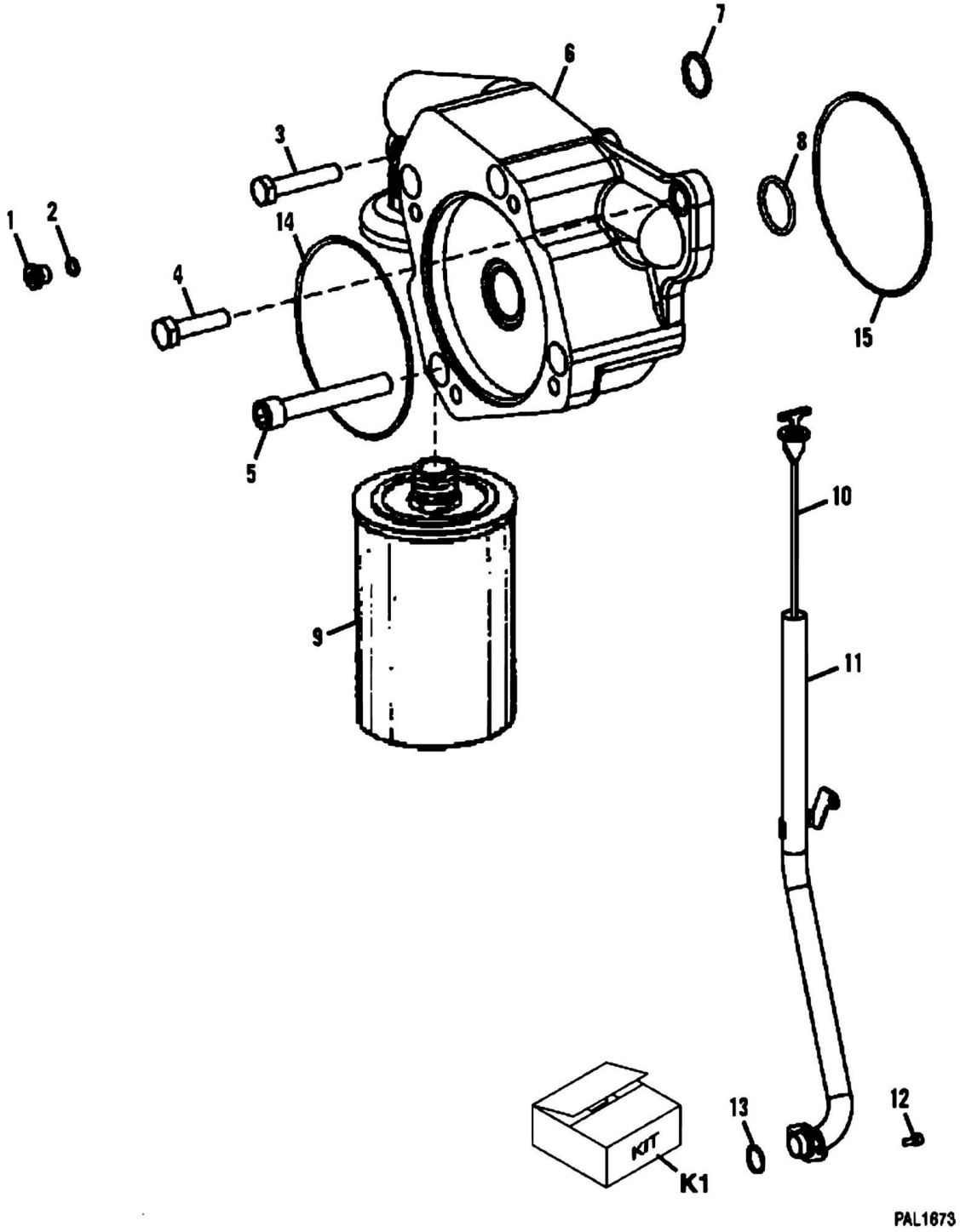
## FIGURE 5-61. ZF TRANSMISSION - GEARSHIFT SYSTEM



## FIGURE 5-61. ZF TRANSMISSION - GEARSHIFT SYSTEM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 1319693 | 2 | HEX HD CAPSCREW, M6X25, GR10.9 | |
| 2 | 1319661 | 6 | WASHER | |
| 3 | 1321265 | 4 | HEX HD CAPSCREW, M6X55, GR10.9 | |
| 4 | 7026789 | 1 | COVER | |
| 5 | 7026788 | 1 | GASKET | |
| 6 | 7026787 | 1 | SPACER | |
| 7 | 1319694 | 1 | VALVE ASSY, (includes items 8 thru 11) | |
| 8 | N.S.S. | 2 | SNAP RING | |
| 9 | N.S.S. | 2 | SPRING SLEEVE | |
| 10 | N.S.S. | 2 | COMPRESSED SPRING | |
| 11 | N.S.S. | 1 | PISTON | |
| 12 | 7026790 | 1 | PISTON | |
| 13 | 1319685 | AR | WASHER, 2.0 | |
| 13 | 1319686 | AR | WASHER, 1.0 | |
| 13 | 1319687 | AR | WASHER, 0.5 | |
| 13 | 1319688 | AR | WASHER, 0.3 | |
| 13 | 1319689 | AR | WASHER, 0.2 | |
| 14 | 1319684 | 1 | COMPRESSED SPRING | |
| 15 | 1319683 | 1 | COMPRESSED SPRING | |
| 16 | 7026786 | 1 | SLEEVE | |
| 17 | 7026785 | 1 | CONTROL PISTON | |
| 18 | 8036528 | 2 | SOLENOID VALVE | |
| 19 | N.S.S. | 2 | HEX HD CAPSCREW, M6X12, GR8.8 | |
| 20 | N.S.S. | 2 | BRACKET | |
| 21 | 1319670 | 2 | PLUG, M10 | |
| 22 | 80304327 | 2 | O-RING | |
| 23 | N.S.S. | 2 | PLUG, M24 | |
| 24 | 70000656 | 2 | O-RING | |
| 25 | 10732072 | 2 | COMPRESSED SPRING | |
| 26 | 10732071 | 2 | BALL | |
| 27 | 70022790 | 1 | VALVE HOUSING | |
| 28 | 1319652 | 1 | ORIFICE | |

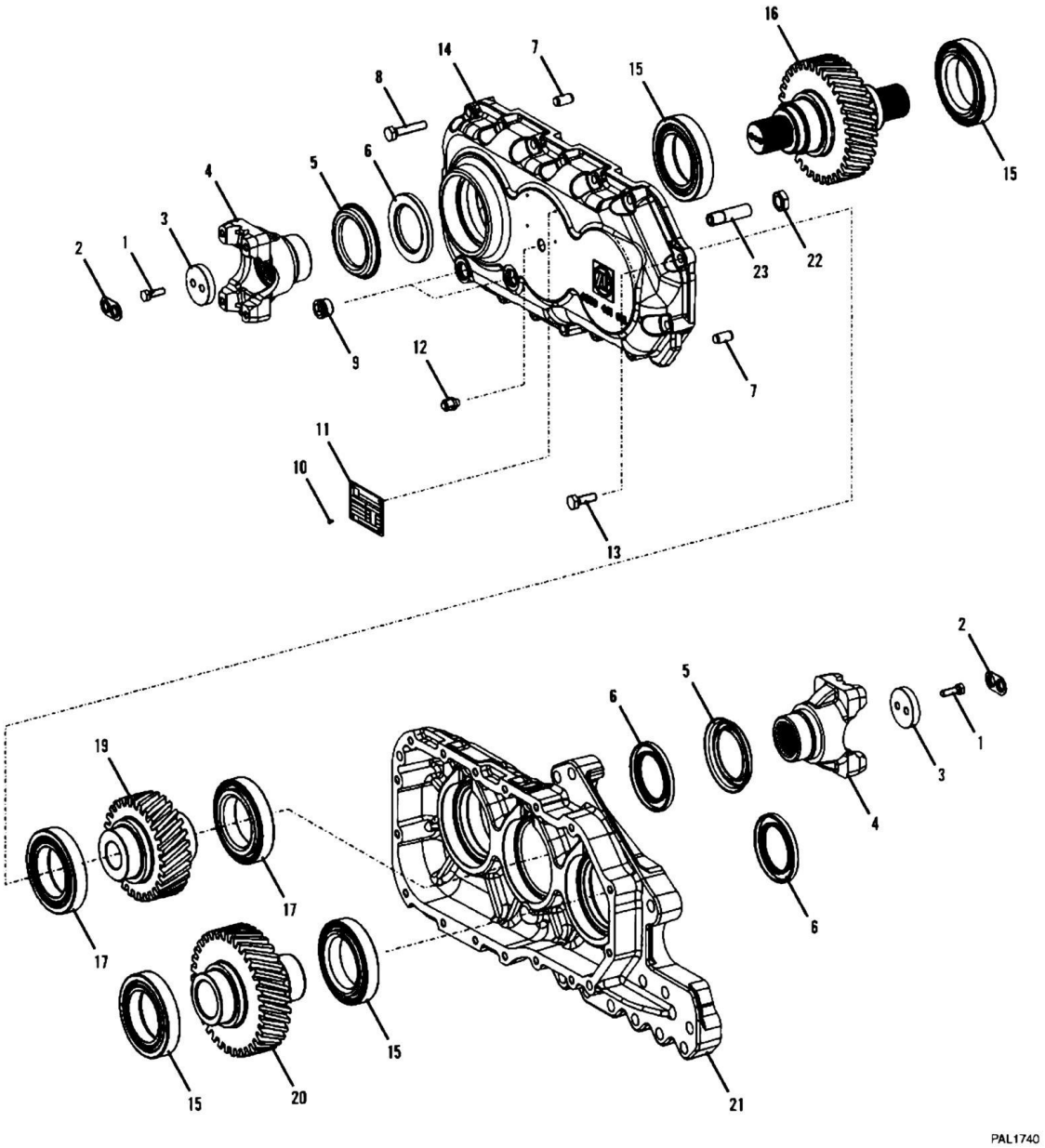
**FIGURE 5-62. ZF TRANSMISSION - OIL PUMP, FILTER AND DIPSTICK**



## FIGURE 5-62. ZF TRANSMISSION - OIL PUMP, FILTER AND DIPSTICK

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 1319670 | 2 | PLUG, M10X1 | |
| 2 | 80304327 | 2 | O-RING | |
| 3 | 7026794 | 1 | HEX HD CAPSCREW, M10X50, GR8.8 | |
| 4 | 80304394 | 1 | HEX HD CAPSCREW, M10X30, GR8.8 | |
| 5 | 7026793 | 4 | CAPSCREW, M12X80, GR10.9 | |
| 6 | 7026791 | 1 | PUMP | |
| 6 | 7029417 | 1 | O-RING, (located between two halves of oil pump) | |
| 7 | 7026792 | 3 | O-RING | |
| 8 | 1319719 | 1 | O-RING | |
| 9 | 1319726 | 1 | FILTER | |
| 10 | 8841322 | 1 | DIPSTICK | |
| 11 | 1001095744 | 1 | DIPSTICK TUBE | |
| 12 | 1319585 | 2 | CAPSCREW, M8X16, GR8.8 | |
| 13 | 1319581 | 1 | O-RING | |
| 14 | 80933113 | 1 | O-RING | |
| 15 | 8036250 | 1 | O-RING, (located between oil pump and transmission) | |
| K1 | 1001095738 | 1 | OIL LEVEL GAUGE KIT, (includes items 10 & 11) | |

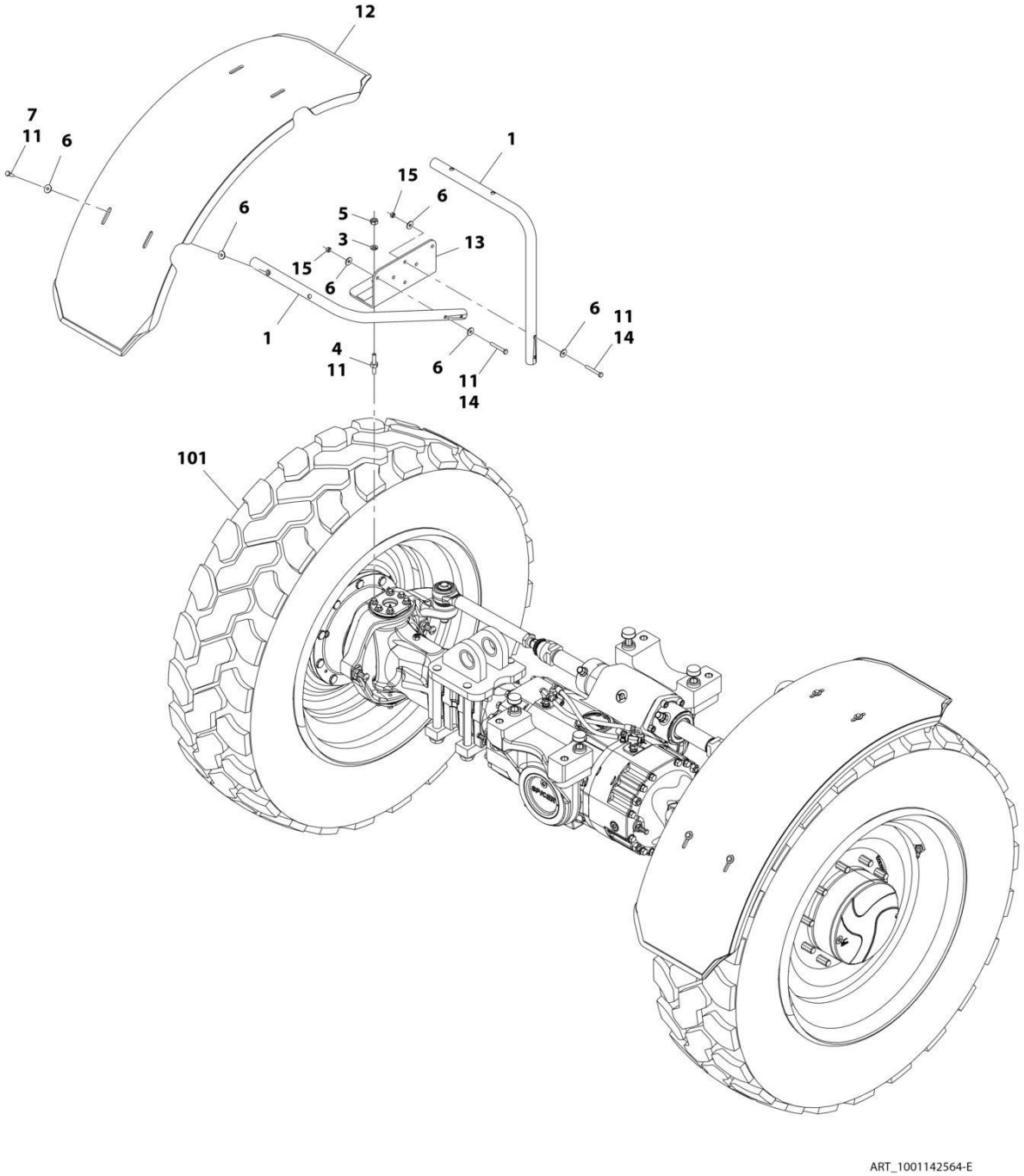
## FIGURE 5-63. ZF TRANSMISSION - TRANSFER BOX



## FIGURE 5-63. ZF TRANSMISSION - TRANSFER BOX

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 70020549 | 1 | TRANSFER BOX, (includes all items) | |
| 1 | 10731959 | 4 | HEX HD CAPSCREW, M8X25, GR10.9 | |
| 2 | N.S.S. | 2 | TAB WASHER | |
| 3 | 1319648 | 2 | WASHER | |
| 4 | 7027273 | 2 | FLANGE | |
| 5 | 1319647 | 2 | SCREEN SHEET | |
| 6 | 1320755 | 3 | SHAFT SEAL | |
| 7 | 1319571 | 2 | CYLINDRICAL PIN | |
| 8 | 70023801 | 15 | HEX HD CAPSCREW, M10X50, GR10.9 | |
| 9 | 70023404 | 2 | PLUG | |
| 10 | 10731758 | 4 | STUD, 3X5 | |
| 11 | N.S.S. | 1 | SN PLATE | |
| 12 | 1319436 | 1 | BREATHER | |
| 13 | 70023800 | 1 | HEX HD CAPSCREW, M10X30, GR10.9 | |
| 14 | 70023267 | 1 | HOUSING | |
| 15 | 7026769 | 4 | ROLLER BEARING | |
| 16 | 7029848 | 1 | OUTPUT SHAFT | |
| 17 | N.S.S. | 4 | TAPERED ROLLER BEARING | |
| 17 | 1320748 | 1 | CUP | |
| 17 | 1320754 | 1 | CONE | |
| 19 | 7027270 | 1 | IDLER GEAR | |
| 20 | N.S.S. | 1 | INPUT SHAFT | |
| 20 | 70020493 | 1 | INPUT GEAR | |
| 20 | 70020036 | 1 | SEAL | |
| 21 | 70023266 | 1 | HOUSING | |
| 22 | 7026578 | 1 | HEX NUT, M16 | |
| 23 | 7026577 | 1 | SLEEVE | |

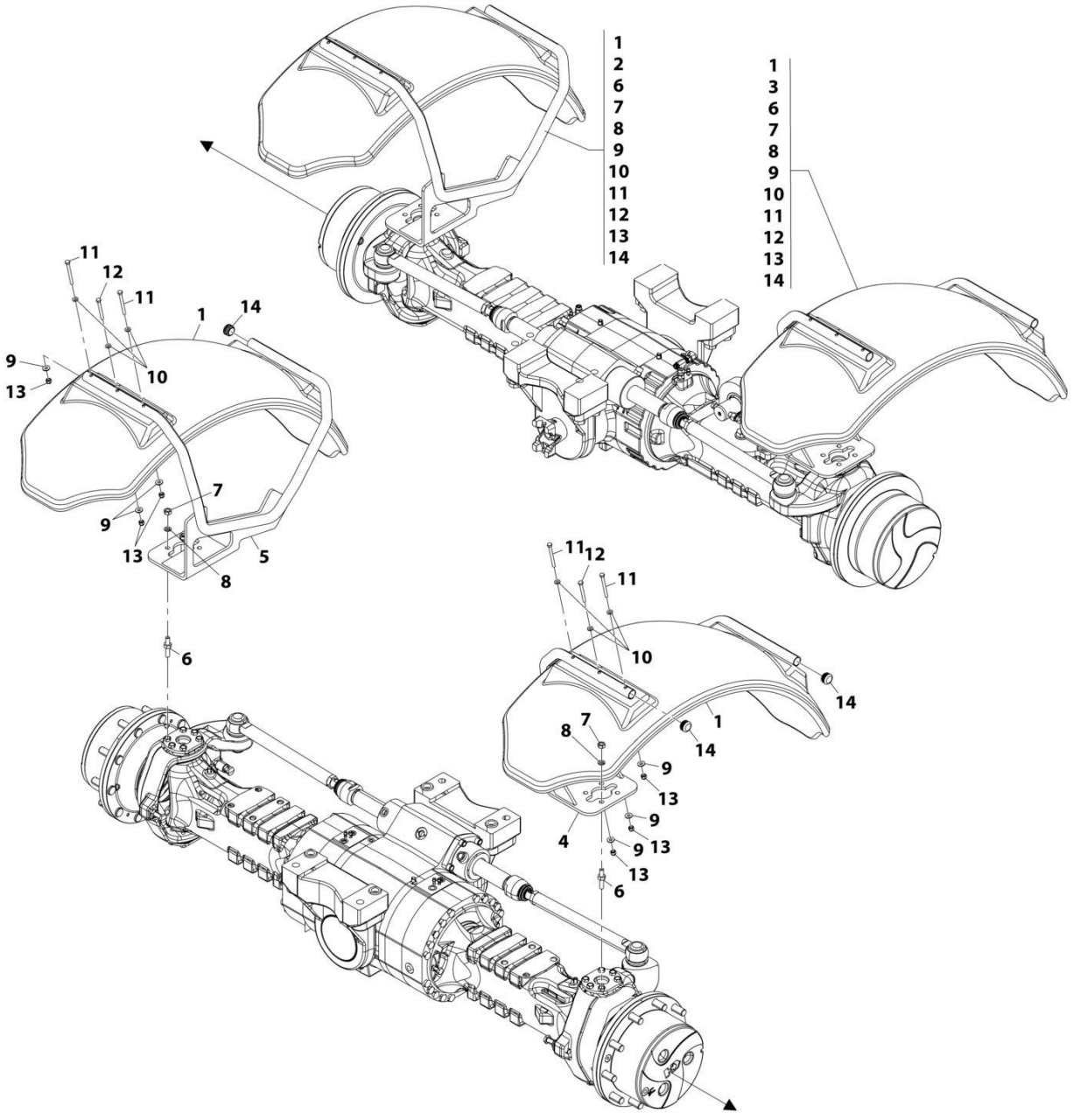
**FIGURE 5-64. FENDER INSTALLATION (G6-42A Prior to SN 0160058377; G9-43A Prior to SN 0160058500, Excluding 160058213, 160058216, 160058217, 160058226, 160058230, 160058246, 160058248, 160058249, 1600582577 and 160058260; G10-43A Prior to SN 0160058998, Excluding 0160058678)**



## FIGURE 5-64. FENDER INSTALLATION (G6-42A Prior to SN 0160058377; G9-43A Prior to SN 0160058500, Excluding 160058213, 160058216, 160058217, 160058226, 160058230, 160058246, 160058248, 160058249, 1600582577 and 160058260; G10-43A Prior to SN 0160058998, Excluding 0160058678)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001142564 | 1 | FENDER INSTALLATION, (includes items 1 thru 15) | E |
| 1 | 1001142561 | 8 | FENDER BRACKET | |
| 3 | 83191010 | 16 | LOCKWASHER | |
| 4 | 91514118 | 16 | FENDER STUD | |
| 5 | 91513266 | 16 | HEX NUT, M12X1-1/4 | |
| 6 | 4811902 | 64 | WASHER, 8mm | |
| 7 | 0760812 | 16 | HEX HD CAPSCREW, M8X25, GR8.8 | |
| 11 | 1001095650 | AR | LOCTITE 243 | |
| 12 | 1001154055 | 4 | FENDER DUNLOFLEX | |
| 13 | 1001160551 | 4 | BRACKET, FENDER BASE | |
| 14 | 0760820 | 16 | HEXHD SCR, M8 X 60 LG | |
| 15 | 3290807 | 16 | HEX LOCK NUT, M8 X1.25 | |
| 101 | | Ref | WHEEL ASSY, (See WHEEL ASSEMBLY for Breakdown) | |

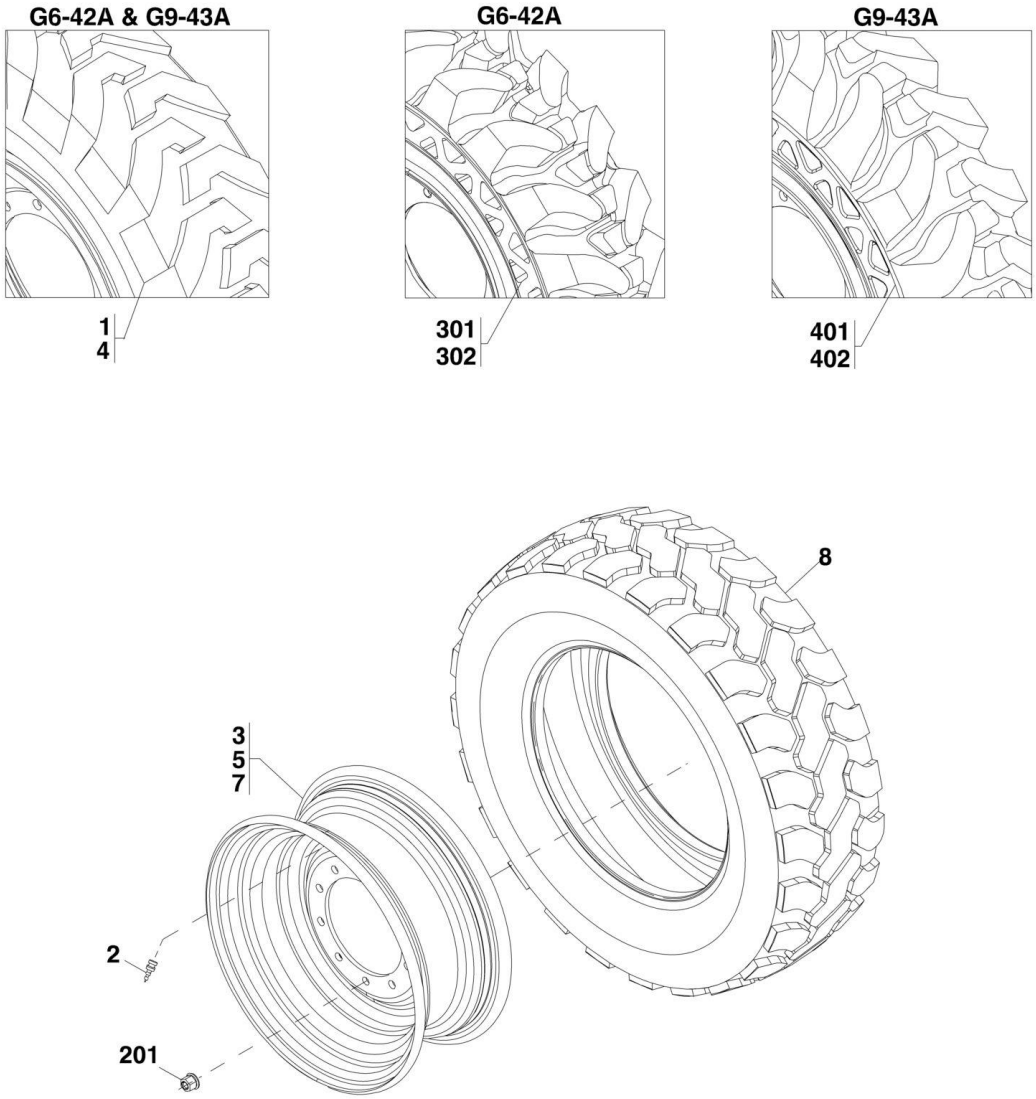
**FIGURE 5-65. FENDER INSTALLATION (G6-42A SN 0160058377 to Present; G9-43A SN 0160058500 to Present, Including 160058213, 160058216, 160058217, 160058226, 160058230, 160058246, 160058248, 160058249, 160058257 and 160058260; G10-43A SN 0160058998 to Present, Including 0160058678)**



## FIGURE 5-65. FENDER INSTALLATION (G6-42A SN 0160058377 to Present; G9-43A SN 0160058500 to Present, Including 160058213, 160058216, 160058217, 160058226, 160058230, 160058246, 160058248, 160058249, 160058257 and 160058260; G10-43A SN 0160058998 to Present, Including 0160058678)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91475103 | 1 | FENDER INSTALLATION (includes all items) (G6-42A) | C |
| | 91515071 | 1 | FENDER INSTALLATION (includes all items) (G9-43A) | C |
| 1 | 91473126 | 4 | ROTOMOLD FENDER | |
| 2 | 91476054 | 1 | RIGHT REAR FENDER MOUNT | |
| | 91516043 | 1 | RIGHT REAR FENDER BRACKET | |
| 3 | 91476055 | 1 | LEFT REAR FENDER MOUNT | |
| | 91516041 | 1 | LEFT REAR FENDER BRACKET | |
| 4 | 91516040 | 1 | LEFT FRONT FENDER BRACKET | |
| 5 | 91516042 | 1 | RIGHT FRONT FENDER BRACKET | |
| 6 | 91514118 | 16 | FENDER STUD, (torque to 94-104 lb-ft/127-141 Nm) | |
| 7 | 91513266 | 16 | HEX NUT, M12X1-1/4 | |
| 8 | 88551013 | 16 | LOCKWASHER, 1/2 | |
| 9 | 88561003 | 24 | WASHER, 5/16 | |
| 10 | 88561108 | 24 | WASHER, 5/16 | |
| 11 | 88201030 | 16 | HEX HD CAPSCREW, 5/16-18X3-1/2, GR5 | |
| 12 | 88201028 | 8 | HEX HD CAPSCREW, 5/16-18X3, GR5 | |
| 13 | 88521205 | 24 | LOCKNUT, 5/16-18 | |
| 14 | 3520176 | 8 | PLUG | |
| 101 | | Ref | FRONT AXLE, (not shown) (See FRONT AXLE for Breakdown) | |
| 102 | | Ref | REAR AXLE, (not shown) (See REAR AXLE for Breakdown) | |
| 201 | | Ref | CAB FENDER INSTALLATION, (not shown) (See CAB SECTION for Breakdown) | |

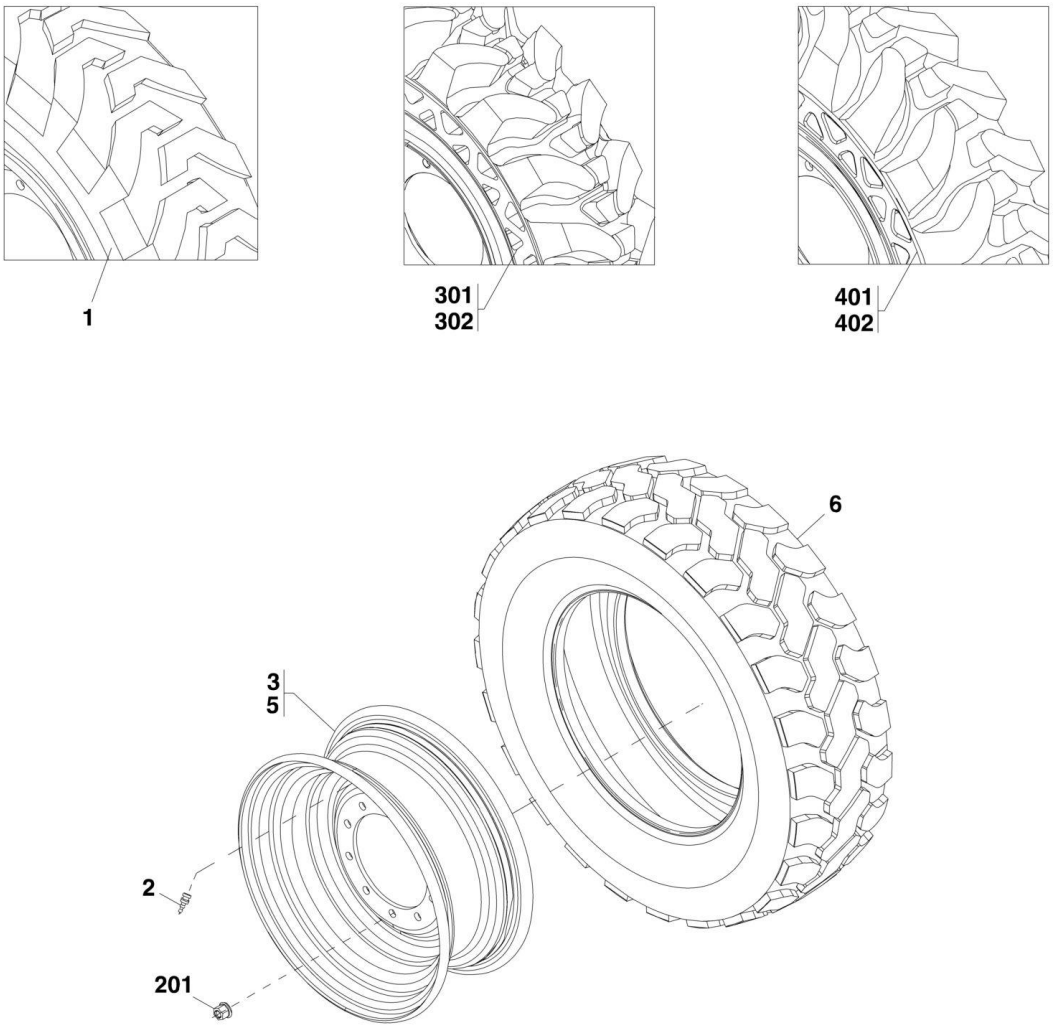
## FIGURE 5-66. WHEEL ASSEMBLY (G6-42A,G9-43A)



## FIGURE 5-66. WHEEL ASSEMBLY (G6-42A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4520368 | 1 | TIRE SET, 13.00-24 BIAS, G-2 | B |
| | 91405035 | 2 | RH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, (includes items 1 thru 3) | I |
| | 91405036 | 2 | LH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, (includes items 1 thru 3) | I |
| | 4520455 | 1 | TIRE SET, 15.50-25 BIAS, G-2 | B |
| | 91475031 | 2 | RH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, (includes items 2, 4 & 5) | D |
| | 91475032 | 2 | LH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, (includes items 2, 4 & 5) | D |
| | 4520370 | 1 | TIRE SET, 13.00-24 BIAS, G-2, FOAM FILLED | B |
| | 91475054 | 2 | RH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, FOAM FILLED, 542lb, (includes items 1 thru 3 & 6) | E |
| | 91475055 | 2 | LH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, FOAM FILLED, 542lb, (includes items 1 thru 3 & 6) | E |
| | 4520456 | 1 | TIRE SET, 15.50-25 BIAS, G-2, FOAM FILLED | B |
| | 4520449 | 2 | RH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, FOAM FILLED, 600lb, (includes items 2 & 4 thru 6) | B |
| | 4520450 | 2 | LH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, FOAM FILLED, 600lb, (includes items 2 & 4 thru 6) | B |
| | 1001120963 | 1 | TIRE SET, 370/75-28, 14 PLY | B |
| | 1001100323 | 4 | TIRE AND WHEEL ASSY, 370/75-28, 14 PLY, (includes items 2, 7 & 8) | D |
| | 1001121519 | 1 | TIRE SET, 370/75-28, 14 PLY, FOAM FILLED | B |
| | 1001121101 | 4 | TIRE AND WHEEL ASSY, 370/75-28, 14 PLY, FOAM FILLED, 464lb, (includes items 2, 6, 7 & 8) | B |
| 1 | 8780031 | 1 | TIRE, 13.00-24 BIAS, DIRECTIONAL | |
| 2 | 8786514 | 1 | VALVE STEM | |
| 3 | 91473206 | 1 | WHEEL, 24X9, 0.219 OFFSET | |
| 4 | 8780036 | 1 | TIRE, 15.50-25 BIAS, DIRECTIONAL | |
| 5 | 91473207 | 1 | WHEEL, 25X13, 0.219 OFFSET | |
| 6 | 8526203 | AR | BALLAST FLAT PROOFING FOAM FILL, (not shown) | |
| 7 | 1001099976 | 1 | WHEEL, 28X11, 0.219 OFFSET, (if equipped with Firestone 370/75-28) | |
| 8 | 1001100284 | 1 | TIRE, 370/75-28, 14 PLY | |
| 201 | | Ref | WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown) | |
| | 1001151106 | 1 | SOLIDEAL TIRE SET, 13.00X24, 0.219 OFFSET, (include items 301 & 302) | A |
| 301 | 1001151097 | 2 | LH SOLIDEAL TIRE AND WHEEL ASSY | A |
| 302 | 1001151098 | 2 | RH SOLIDEAL TIRE AND WHEEL ASSY | A |
| | 1001151108 | 1 | SOLIDEAL TIRE SET, 14.00X24, 0.219 OFFSET, (include items 401 & 402) | A |
| 401 | 1001151101 | 2 | LH SOLIDEAL TIRE AND WHEEL ASSY | A |
| 402 | 1001151102 | 2 | RH SOLIDEAL TIRE AND WHEEL ASSY | A |

**FIGURE 5-67. WHEEL ASSEMBLY (G10-43A)**

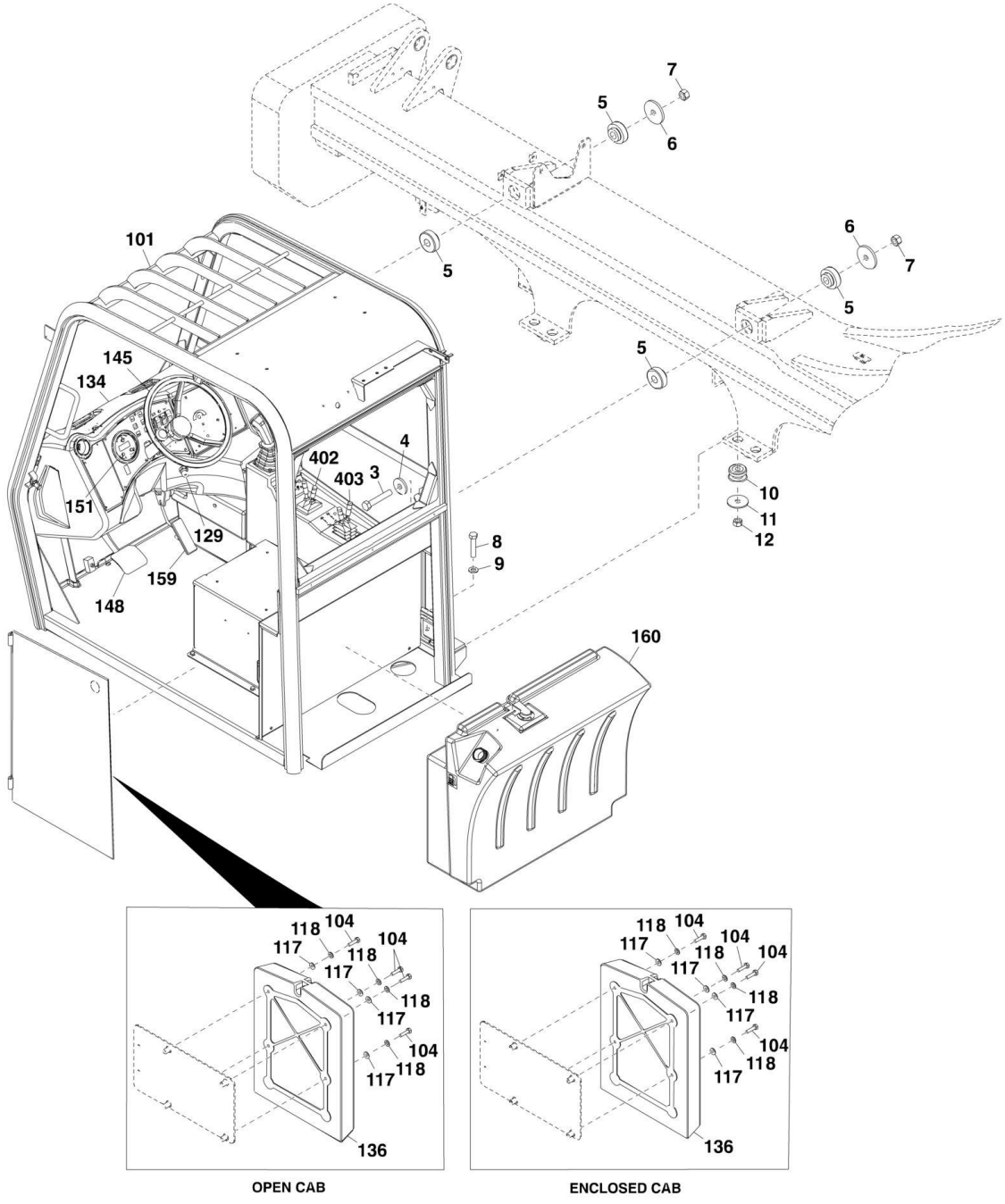


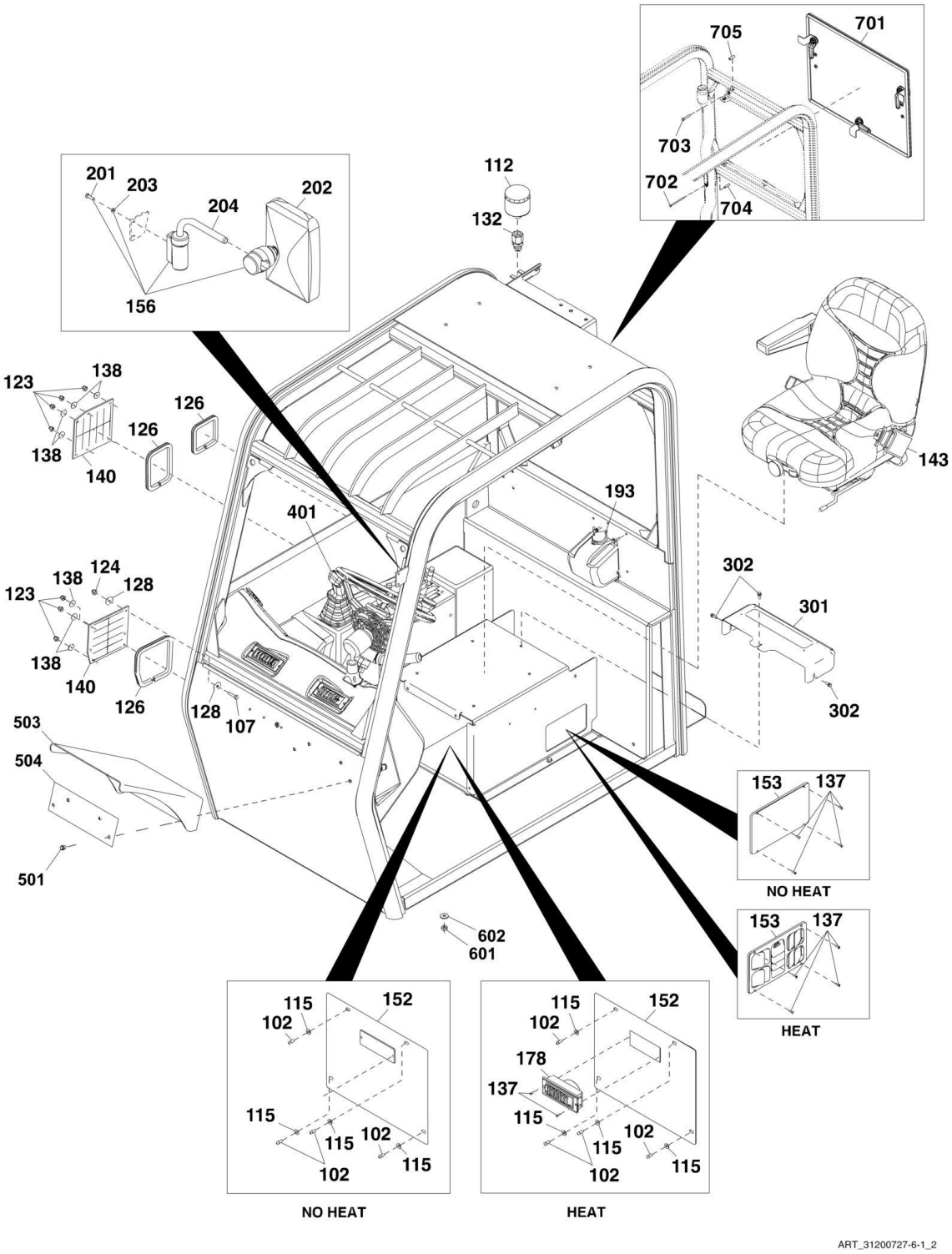
## FIGURE 5-67. WHEEL ASSEMBLY (G10-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4520481 | 1 | TIRE SET, 14.00-24 BIAS, G-2 | B |
| | 91355034 | 2 | RH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, (includes items 1 thru 3) | D |
| | 91355035 | 2 | LH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, (includes items 1 thru 3) | D |
| | 4520482 | 1 | TIRE SET, 14.00-24 BIAS, G-2, FOAM FILLED | C |
| | 91355037 | 2 | RH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, FOAM FILLED, 720 lb, (includes items 1 thru 4) | F |
| | 91355038 | 2 | LH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, FOAM FILLED, 720 lb, (includes items 1 thru 4) | F |
| | 1001121109 | 1 | TIRE SET, 400/75-28, 16 PLY | B |
| | 1001121103 | 4 | TIRE AND WHEEL ASSY, 400/75-28, 16 PLY, (includes items 2, 5 & 6) | B |
| | 1001125410 | 1 | TIRE SET, 400/75-28, 16 PLY, FOAM FILLED | B |
| | 1001121105 | 4 | TIRE AND WHEEL ASSY, 400/75-28, 16 PLY, FOAM FILLED, 570 lb, (includes items 2 & 4 thru 6) | C |
| 1 | 91043084 | 1 | TIRE, 14.00-24 BIAS, DIRECTIONAL | |
| 2 | 8786514 | 1 | VALVE STEM | |
| 3 | 91473206 | 1 | WHEEL, 24X9, 0.219 OFFSET | |
| 4 | 8526203 | AR | BALLAST FLAT PROOFING FOAM FILL, (not shown) | |
| 5 | 1001120178 | 1 | WHEEL, 28X12, 0.75 OFFSET, (if equipped with Firestone 400/75-28) | |
| 6 | 1001120179 | 1 | TIRE, 400/75-28, 16PLY | |
| 201 | | Ref | WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown) | |
| | 1001151106 | 1 | SOLIDEAL TIRE SET, 13.00X24, 0.219 OFFSET, (include items 301 & 302) | A |
| 301 | 1001151097 | 2 | LH SOLIDEAL TIRE AND WHEEL ASSY | A |
| 302 | 1001151098 | 2 | RH SOLIDEAL TIRE AND WHEEL ASSY | A |
| | 1001151108 | 1 | SOLIDEAL TIRE SET, 14.00X24, 0.219 OFFSET, (include items 401 & 402) | A |
| 401 | 1001151101 | 2 | LH SOLIDEAL TIRE AND WHEEL ASSY | A |
| 402 | 1001151102 | 2 | RH SOLIDEAL TIRE AND WHEEL ASSY | A |

# SECTION 6 - CAB

## FIGURE 6-1. CAB INSTALLATION




705
701
703
702
704
201
203
204
202
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132
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143
193
401
124
128
302
301
107
503
504
501
153
137
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602
601
178
HEAT
NO HEAT
HEAT
ART_31200727-6-1_2

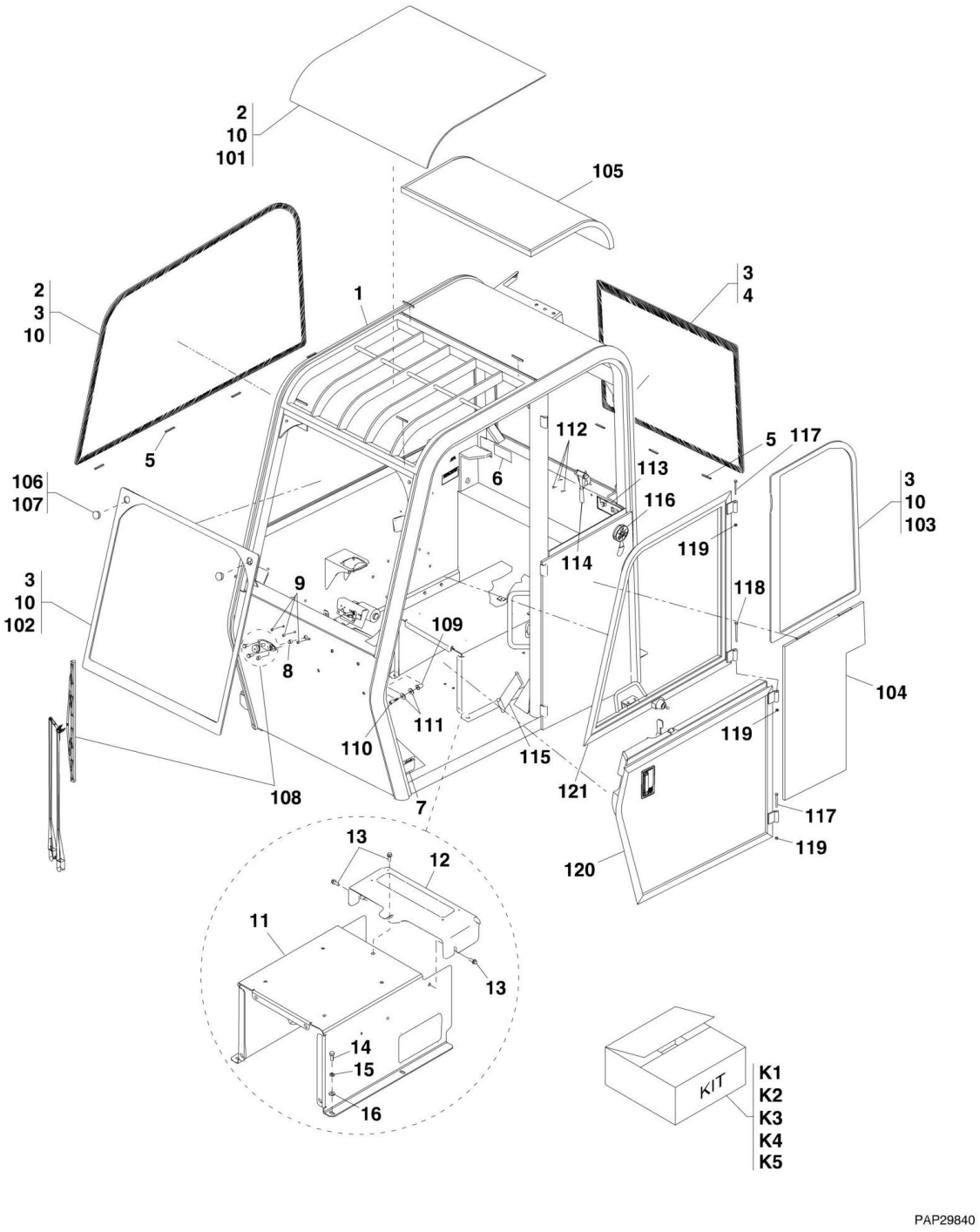
# SECTION 6 - CAB

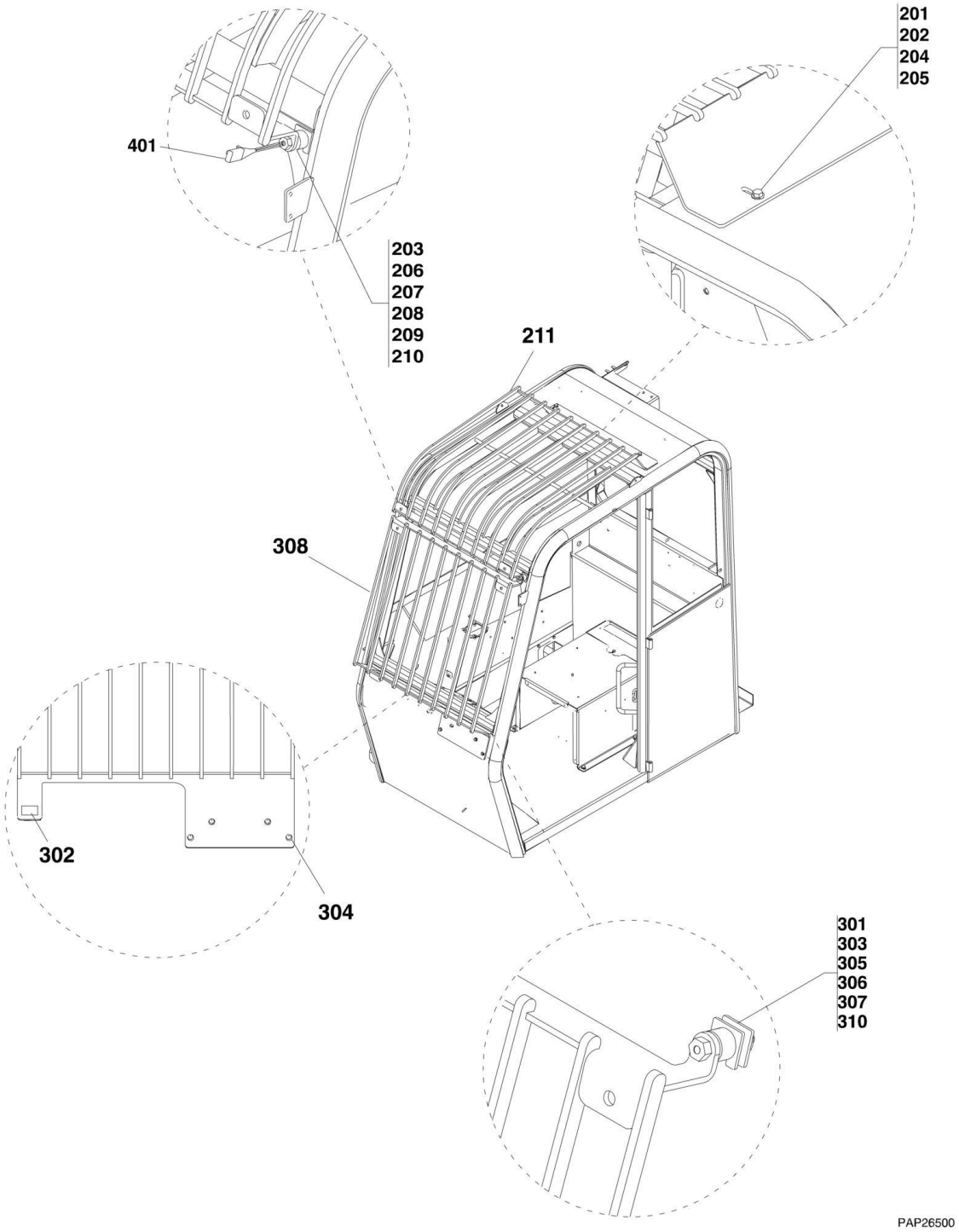
## FIGURE 6-1. CAB INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098254 | Ref | CAB INSTALLATION, (not available to order, see items 3 thru 12 for service) | D |
| 3 | 0682440 | 2 | HEX HD CAPSCREW, 7/8-9X5 | |
| 4 | 1001108383 | 2 | TAIL WASHER | |
| 5 | 91403153 | 4 | SHOCK MOUNT | |
| 6 | 91403217 | 2 | REBOUND WASHER | |
| 7 | 88501014 | 2 | HEX NUT, 7/8-9 | |
| 8 | 0682230 | 4 | HEX HD CAPSCREW, 3/4-10X3-3/4 | |
| 9 | 90027473 | 4 | HARD WASHER, 3/4 | |
| 10 | 91403097 | 4 | CENTER BONDED MOUNT | |
| 11 | 91403098 | 4 | TAIL WASHER | |
| 12 | 88501012 | 4 | HEX NUT, 3/4-10 | |
| 101 | | Ref | CAB ASSY, (See CAB ASSEMBLY for Breakdown) | |
| 102 | 0630407 | 4 | BUTTON HD CAPSCREW, 1/4-20X5/8 | |
| 104 | 0641408 | 4 | HEX HD CAPSCREW, 1/4-20X1, (open cab) | |
| 104 | 0641408 | 4 | HEX HD CAPSCREW, 1/4-20X1, (enclosed cab) | |
| 107 | 0641510 | 1 | HEX HD CAPSCREW, 5/16-18X1-1/4 | |
| 112 | 1340021 | 1 | AIR BREATHER | |
| 115 | 4711400 | 8 | WASHER, 1/4 | |
| 117 | 4711400 | 4 | WASHER, 1/4, (open cab) | |
| 117 | 4711400 | 4 | WASHER, 1/4, (enclosed cab) | |
| 118 | 4761400 | 4 | WASHER, 1/4 | |
| 123 | 88521004 | 7 | LOCKNUT, 1/4-20 | |
| 124 | 88521005 | 1 | LOCKNUT, 5/16-18 | |
| 126 | 90206195 | 54 in | TRIM-LOK | |
| 128 | 91023098 | 2 | WASHER, 5/16 | |
| 129 | | Ref | IGNITION SWITCH, (See ELECTRICAL SECTION for Breakdown) | |
| 132 | 91163100 | 1 | ADAPTER | |
| 134 | | Ref | CAB INTERIOR, (See CAB INTERIOR for Breakdown) | |
| 136 | 91403230 | 1 | MANUAL STORAGE BOX | |
| 137 | 91413036 | 4 | SCREW, 6X1/2, (NO HEAT) | |
| 137 | 91413036 | 6 | SCREW, 6X1/2, (HEAT) | |
| 138 | 91413050 | 7 | WASHER, 1/4 | |
| 140 | 91473163 | 2 | HOSE GUARD | |
| 143 | | Ref | SEAT ASSY, (See SEAT for Breakdown) | |
| 145 | | Ref | STEERING COLUMN AND STEERING WHEEL, (See CONTROLS SECTION for Breakdown) | |
| 148 | | Ref | BRAKE AND MOUNTING HARDWARE, (See CONTROLS SECTION for Breakdown) | |
| 149 | | Ref | TRANSMISSION RELAY HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown) | |
| 151 | | Ref | DASH INSTRUMENT PANEL AND CAB SWITCHES, (See ELECTRICAL SECTION for Breakdown) | |
| 152 | 1001103567 | 1 | SEAT RISER PANEL | |
| 153 | 1001106866 | 1 | SEAT RISER SIDE PANEL, (NO HEAT) | |
| 153 | 1001106849 | 1 | RETURN AIR VENT, (HEAT) | |
| 154 | | Ref | DASH HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown) | |
| 156 | 1001115153 | Ref | CAB MIRROR INSTALLATION, (not available to order, see items 201 thru 204 for service) | C |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 159 | | Ref | ACCELERATOR AND MOUNTING HARDWARE, (See CONTROLS SECTION for Breakdown) | |
| 160 | | Ref | FUEL TANK ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown) | |
| 169 | | Ref | ENCLOSED CAB OPTION HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown) | |
| 178 | | Ref | HEATING COMPONENTS, (See HEATER INSTALLATION for Breakdown) | |
| 193 | | Ref | WINDOW WASHER FLUID TANK, (enclosed cab), (See WIPER for Breakdown) | |
| 201 | 0700610 | 2 | HEX HD CAPSCREW, M6X20, GR8.8 | |
| 202 | 1001148177 | 1 | MIRROR | |
| 203 | 8307024 | 2 | LOCKWASHER, 6mm | |
| 204 | 1001114675 | 1 | BRACKET | |
| 301 | 1001117136 | 1 | ACCESS PANEL | |
| 302 | 0791406 | 3 | SCREW, 1/4-20X3/4 | |
| 401 | | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 402 | | Ref | FRAME LEVEL JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 403 | | Ref | OUTRIGGER JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 450 | 1001152569 | 1 | NON-SKID FLOOR, (not shown) | |
| | 91565067 | NLA | CAB FENDER INSTALLATION, (no longer available, see 1001145754 for replacement or items 501 thru 504 for service) | B |
| | 1001145754 | 1 | THERMOFORMED FENDER ASSY, (includes items 501 thru 504) | B |
| 501 | 0791608 | 4 | HEX HD CAPSCREW, 3/8-16X1, GR5 | |
| 503 | 1001145702 | 1 | THERMOFORMED FENDER | |
| 504 | 1001145753 | 1 | FENDER PLATE | |
| 601 | 3311505 | 4 | LOCKNUT, 5/16-18 | |
| 602 | 4711500 | 4 | FLAT WASHER, 5/16 | |
| | 1001159949 | Ref | REAR WINDOW EXIT INSTALLATION, (includes items 701 thru 705) | B |
| 701 | 1001160889 | 1 | REAR DROPOUT WINDOW | |
| 702 | 0641436 | 1 | HEX HD CAPSCREW, 1/4-20X2-1/8 | |
| 703 | 0641617 | 2 | HEX HD CAPSCREW, 3/8-16X2-1/8 | |
| 704 | 1001165578 | 1 | SHIM | |
| 705 | 1001165579 | 2 | SHIM | |

## FIGURE 6-2. CAB ASSEMBLY



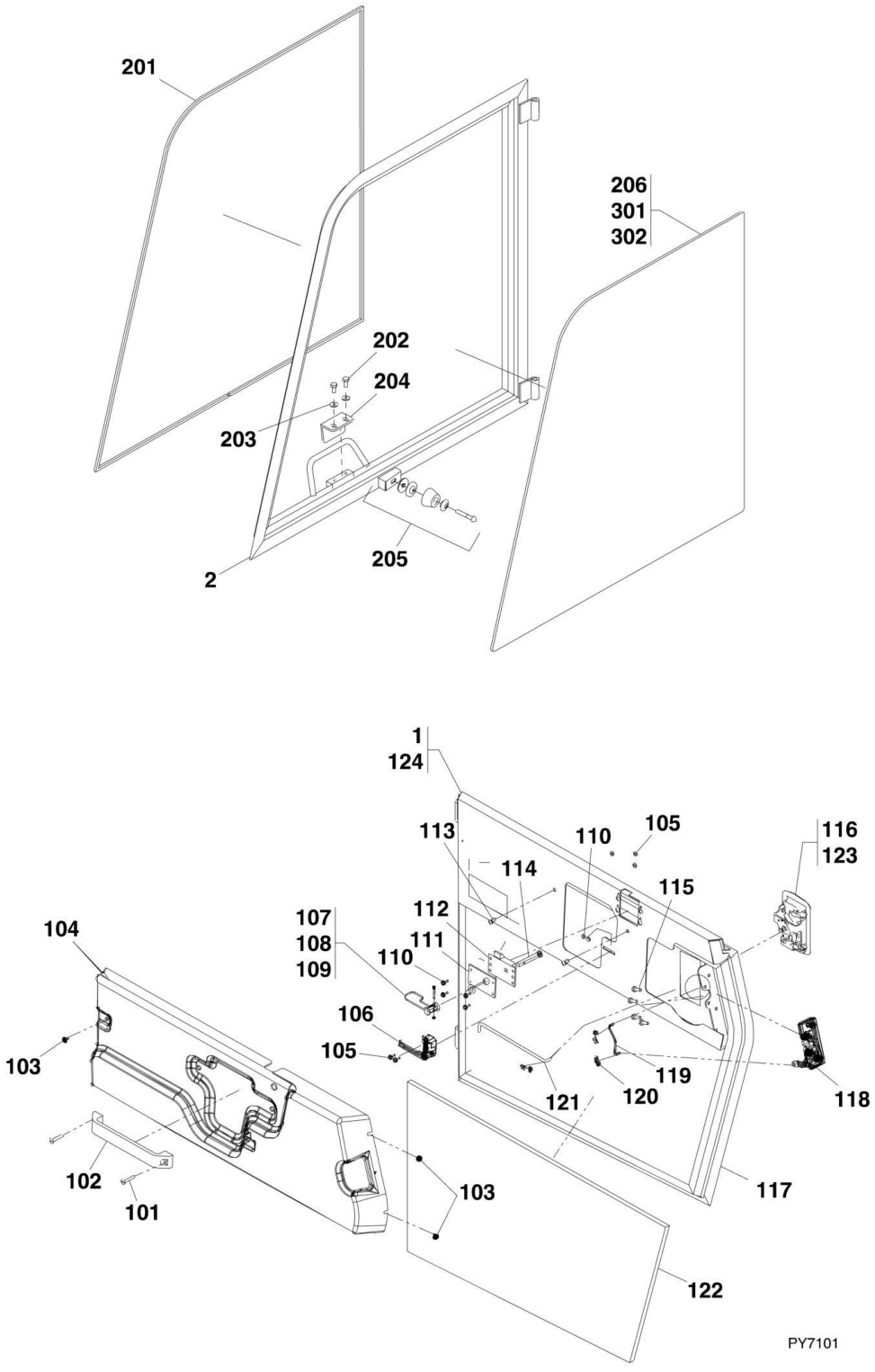

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PAP26500

## FIGURE 6-2. CAB ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001119958 | 1 | OPEN CAB ASSY, (includes items 1 thru 16) | E |
| | 1001119959 | 1 | ENCLOSED CAB ASSY, (includes items 1 thru 7 & 10 thru 121) | B |
| 1 | N.S.S. | 1 | CAB WELDMENT | |
| 2 | 91404109 | 1 | RH SIDE WINDOW | |
| 3 | 80364009 | AR | URETHANE SEALANT | |
| 4 | 91404110 | 1 | REAR WINDOW | |
| 5 | 80264031 | 7 | SETTING BLOCK, 1/8X1/4X2 | |
| 6 | N.S.S. | 1 | SN PLATE | |
| 7 | 91164094 | 1 | ROPS WARNING DECAL | |
| 8 | 91164087 | 1 | HOLE PLUG, 3/4 | |
| 9 | 91164086 | 3 | HOLE PLUG, 3/8 | |
| 10 | 91404302 | AR | ACTIVATOR | |
| 11 | 1001103663 | 1 | SEAT RISER WELDMENT | |
| 12 | | Ref | ACCESS PANEL, (See CAB INSTALLATION for Breakdown) | |
| 13 | | Ref | SCREW, 1/4-20X3/4, (See CAB INSTALLATION for Breakdown) | |
| 14 | 0641608 | 4 | HEX HD CAPSCREW, 3/8-16X1 | |
| 15 | 4761600 | 4 | LOCKWASHER, 3/8 | |
| 16 | 4711600 | 4 | WASHER, 3/8 | |
| 101 | 91404290 | 1 | SKYLIGHT WINDOW | |
| 102 | 91404291 | 1 | FRONT WINDOW | |
| 103 | 80364030 | 1 | LH SIDE WINDOW | |
| 104 | 91404294 | 1 | LH SIDE PANEL FOAM | |
| 105 | 91404295 | 1 | HEAD LINER | |
| 106 | 91404296 | 2 | HOLE PLUG | |
| 107 | 80364012 | AR | SEALANT | |
| 108 | | Ref | WIPERS, (See WIPER for Breakdown) | |
| 109 | 80364023 | 1 | STRIKER BOLT | |
| 110 | 91334024 | 1 | HEX BOLT, 3/8-16X7/8 | |
| 111 | 91404297 | 2 | WASHER | |
| 112 | 91404298 | 3 | RIVET | |
| 113 | 91404299 | 1 | EMERGENCY EXIT DECAL | |
| 114 | 91404301 | 1 | EMERGENCY EXIT HAMMER | |
| 115 | 80384218 | 1 | DOOR STRAP | |
| 116 | 91404303 | 1 | DOOR HOLD OPEN ASSY | |
| 117 | 80384205 | 2 | HEX BOLT, 3/8-16X4 | |
| 118 | 80384305 | 1 | HEX BOLT, 3/8-16X5 | |
| 119 | 91404306 | 3 | HEX NUT, 3/8-16 | |
| 120 | | Ref | LOWER DOOR ASSY, (See CAB DOOR for Breakdown) | |
| 121 | | Ref | UPPER DOOR ASSY, (See CAB DOOR for Breakdown) | |
| | 1001100879 | Ref | TOP BRICK GUARD INSTALLATION, (if equipped), (not available to order, see items 201 thru 211 for service) | B |
| 201 | 0641608 | 2 | HEX HD CAPSCREW, 3/8-16X1, GR5 | |
| 202 | 3271601 | 2 | HEX NUT, 3/8-16, GR8 | |
| 203 | 4071133 | 4 | KEEPER | |
| 204 | 4711600 | 4 | WASHER, 3/8 | |
| 205 | 4761600 | 2 | LOCKWASHER, 3/8 | |
| 206 | 4761800 | 2 | LOCKWASHER, 1/2 | |
| 207 | 14404173 | AR | SILICONE SEALANT | |
| 208 | 88501008 | 2 | HEX NUT, 1/2 | |
| 209 | 91403503 | 2 | SPACER | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 210 | 1001096728 | 2 | BOLT, 1/2-13 | |
| 211 | 1001098344 | 1 | BRICK GUARD BRACKET | |
| | 1001100880 | Ref | FRONT BRICK GUARD BRACKET INSTALLATION, (not available to order, see items 301 thru 310 for service) | B |
| 301 | 4071133 | 4 | KEEPER | |
| 302 | 4420060 | 1 | DOUBLE SIDED TAPE | |
| 303 | 4761800 | 2 | LOCKWASHER, 1/2 | |
| 304 | 77143003 | 4 | WHIZ LOCK SCREW, 5/16-18X0.625 | |
| 305 | 88501008 | 2 | HEX NUT, 1/2-13 | |
| 306 | 91403503 | 2 | SPACER | |
| 307 | 1001096728 | 2 | BOLT, 1/2-13 | |
| 308 | 1001098042 | 1 | BRICK GUARD BRACKET | |
| 310 | 14404173 | AR | SILICONE SEALANT | |
| | 1001135607 | Ref | BRICK GUARD WORK LIGHT HARNESS INSTALLATION, (includes item 401) | A |
| 401 | 1001100895 | 1 | CAB WORK LIGHT HARNESS | |
| 601 | 8035523 | AR | URETHANE, (not shown) | |
| K1 | 1001144796 | 1 | CAB ENCLOSURE KIT WITH HEAT, (if equipped for ULS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components) | C |
| K2 | 1001144797 | 1 | CAB ENCLOSURE KIT WITH HEAT AND A/C, (if equipped for ULS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components) | E |
| K3 | 1001144798 | 1 | CAB ENCLOSURE KIT WITH HEAT, (if equipped for LS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components) | D |
| K4 | 1001144799 | 1 | CAB ENCLOSURE KIT WITH HEAT AND A/C, (if equipped for LS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components) | F |
| K5 | 91413142 | 1 | SKYLIGHT WINDOW KIT, (includes items 101 & 601) | |

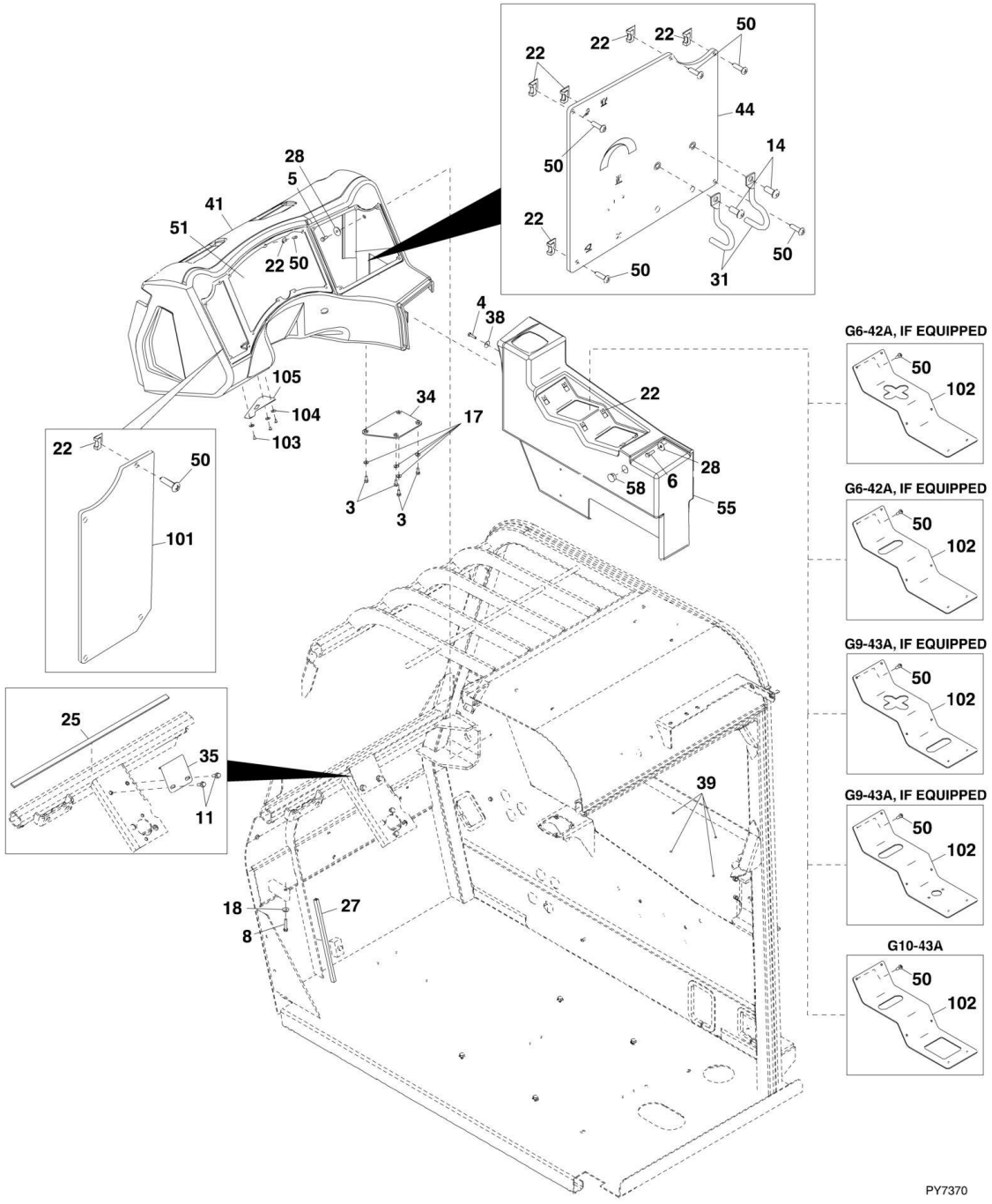
## FIGURE 6-3. CAB DOOR



## FIGURE 6-3. CAB DOOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 91474481 | 1 | LOWER DOOR ASSY, (includes items 101 thru 124) | |
| 2 | 91474482 | 1 | UPPER DOOR ASSY, (includes items 201 thru 206) | |
| 101 | 8035461 | 2 | FLAT HD SCREW, 1/4-20X1-1/4 | |
| 102 | 91404316 | 1 | GRAB HANDLE | |
| 103 | 80264066 | 3 | SCREW, M6X1X12 | |
| 104 | 91404311 | 1 | PLASTIC DOOR COVER | |
| 105 | 80384191 | 6 | WHIZ-LOCK SCREW, 10-24X0.5 | |
| 106 | 80384192 | 1 | INSIDE HANDLE | |
| 107 | 91404315 | 1 | RH WINDOW AND LH DOOR RELEASE LEVER | |
| 108 | 91404317 | 1 | SOCKET HD CAPSCREW, 8-32X1.12 | |
| 109 | 91404318 | 1 | NYLOCK NUT, 8-32 | |
| 110 | 91404313 | 6 | LOCKNUT, 10-24 | |
| 111 | 91404320 | 1 | SLAM LATCH STIFFENER | |
| 112 | 91404319 | 1 | LH SLAM LATCH | |
| 113 | 8866334 | 2 | RIVNUT, 1/4-20 | |
| 114 | 91404321 | 1 | LOWER DOOR DRIVE BAR WELDMENT | |
| 115 | 80384189 | 4 | HEX SCREW, 1/4-20X3/4 | |
| 116 | 1001081241 | 1 | DOOR HANDLE, (includes item 123) | |
| 117 | 80364001 | 8 ft | BULB SEAL | |
| 118 | 80364079 | 1 | RH CAM LATCH | |
| 119 | 91404309 | 1 | EXTERIOR RELEASE DOOR ROD | |
| 120 | 80384187 | 3 | ROD END RETAINER CLIP | |
| 121 | 91404310 | 1 | INTERIOR RELEASE DOOR ROD | |
| 122 | 91404312 | 1 | FOAM, LOWER DOOR | |
| 123 | 8342813 | 2 | DOOR KEY | |
| 124 | 70023193 | 1 | LOWER DOOR WELDMENT, (includes hinges) | |
| 201 | 80364001 | 11 ft | BULB SEAL | |
| 202 | 91404324 | 2 | HEX BOLT, 5/16-18X5/8 | |
| 203 | 91334032 | 2 | WASHER | |
| 204 | 91404323 | 1 | SLAM LATCH | |
| 205 | 91474492 | 1 | MALE DOOR HOLD-OPEN | |
| 206 | 91404322 | 1 | UPPER DOOR GLASS | |
| 301 | 80364009 | AR | URETHANE SEALANT | |
| 302 | 91404302 | AR | ACTIVATOR | |

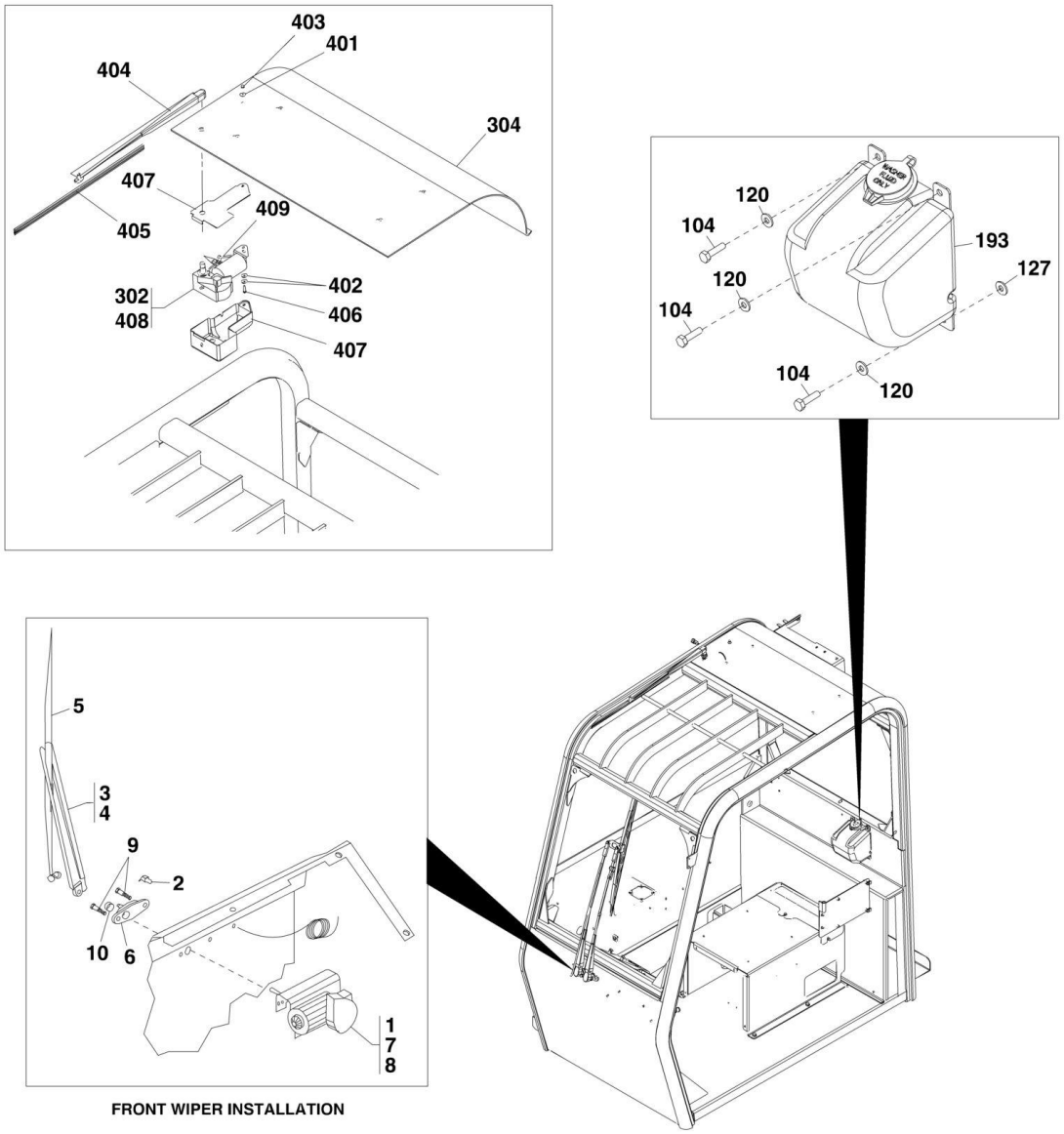
## FIGURE 6-4. CAB INTERIOR



## FIGURE 6-4. CAB INTERIOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 3 | 0641405 | 4 | HEX HD CAPSCREW, 1/4-20X5/8, GR5 | |
| 4 | 0641408 | 1 | HEX HD CAPSCREW, 1/4-20X1, GR5 | |
| 5 | 0641506 | 1 | HEX HD CAPSCREW, 5/16-18X3/4, GR5 | |
| 6 | 0641508 | 1 | HEX HD CAPSCREW, 5/16-18X1, GR5, (enclosed cab) | |
| 8 | 0641514 | 1 | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5 | |
| 11 | 0791608 | 2 | SCREW, 3/8-16X1 | |
| 14 | 3911410 | 2 | ROUND HD SCREW, 1/4-20X5/8 | |
| 17 | 4751400 | 4 | WASHER, 1/4 | |
| 18 | 4751500 | 1 | WASHER, 5/16 | |
| 22 | 80363034 | 22 | TINNERMAN NUT, 10-24 | |
| 25 | 90200755 | 32 in | GASKA TAPE | |
| 27 | 90206198 | 13 in | TRIM-LOK | |
| 28 | 91023098 | 1 | WASHER, 5/16, (open cab) | |
| 28 | 91023098 | 2 | WASHER, 5/16, (enclosed cab) | |
| 31 | 91163087 | 2 | LOAD CHART BRACKET | |
| 34 | 91401516 | 1 | DASH BRACE | |
| 35 | 91401590 | 1 | DASH CLAMP | |
| 38 | 91413050 | 1 | WASHER, 1/4 | |
| 39 | 91413130 | 4 | HOLE PLUG | |
| 41 | 91473211 | 1 | DASH, (open cab) | |
| 41 | 1001103553 | 1 | DASH, (enclosed cab) | |
| 44 | 91563191 | 1 | RH DASH PANEL (G10-43A,G6-42A,G9-43A) **(G6-42A Prior to SN 01600030921; G9-43A Prior to SN 01600056012; G10-43A Prior to SN 01600056167)** | |
| 44 | 1001156272 | 1 | RH DASH PANEL (G10-43A,G6-42A,G9-43A) **(G6-42A SN 01600030921 to Present; G9-43A SN 01600056012 to Present; G10-43A SN 01600056167 to Present)** | |
| 50 | 1001100322 | 12 | PAN HD SCREW | |
| 51 | | Ref | DASH INSTRUMENT PANEL AND SWITCHES, (See ELECTRICAL SECTION for Breakdown) | |
| 55 | 1001108890 | 1 | RH CONSOLE PANEL | |
| 58 | 1001131130 | 1 | HOLE PLUG | |
| 101 | 91403316 | 1 | LH DASH PANEL (G6-42A) | |
| 101 | 91403324 | 1 | LH BLANK DASH PANEL (G9-43A) | |
| 101 | 1001131808 | 1 | LH DASH PANEL (G10-43A) | |
| 102 | 1001112717 | | RH SIDE JOYSTICK PANEL, (if equipped) (G6-42A) | |
| 102 | 1001110799 | | RH SIDE JOYSTICK PANEL, (if equipped) (G6-42A) | |
| 102 | 1001107828 | 1 | RH SIDE JOYSTICK PANEL, (if equipped) (G9-43A) | |
| 102 | 1001108252 | 1 | RH SIDE JOYSTICK PANEL, (if equipped) (G9-43A) | |
| 102 | 1001110808 | 1 | RH SIDE JOYSTICK PANEL (G10-43A) | |
| 103 | 3820020 | 3 | RIVET, (if equipped) (G10-43A,G9-43A) | |
| 104 | 4711400 | 3 | WASHER, 1/4, (if equipped) (G10-43A,G9-43A) | |
| 105 | 1001110104 | 1 | ANALYZER MOUNT PLATE, (if equipped) (G10-43A,G9-43A) | |

## FIGURE 6-5. WIPER




FRONT WIPER INSTALLATION

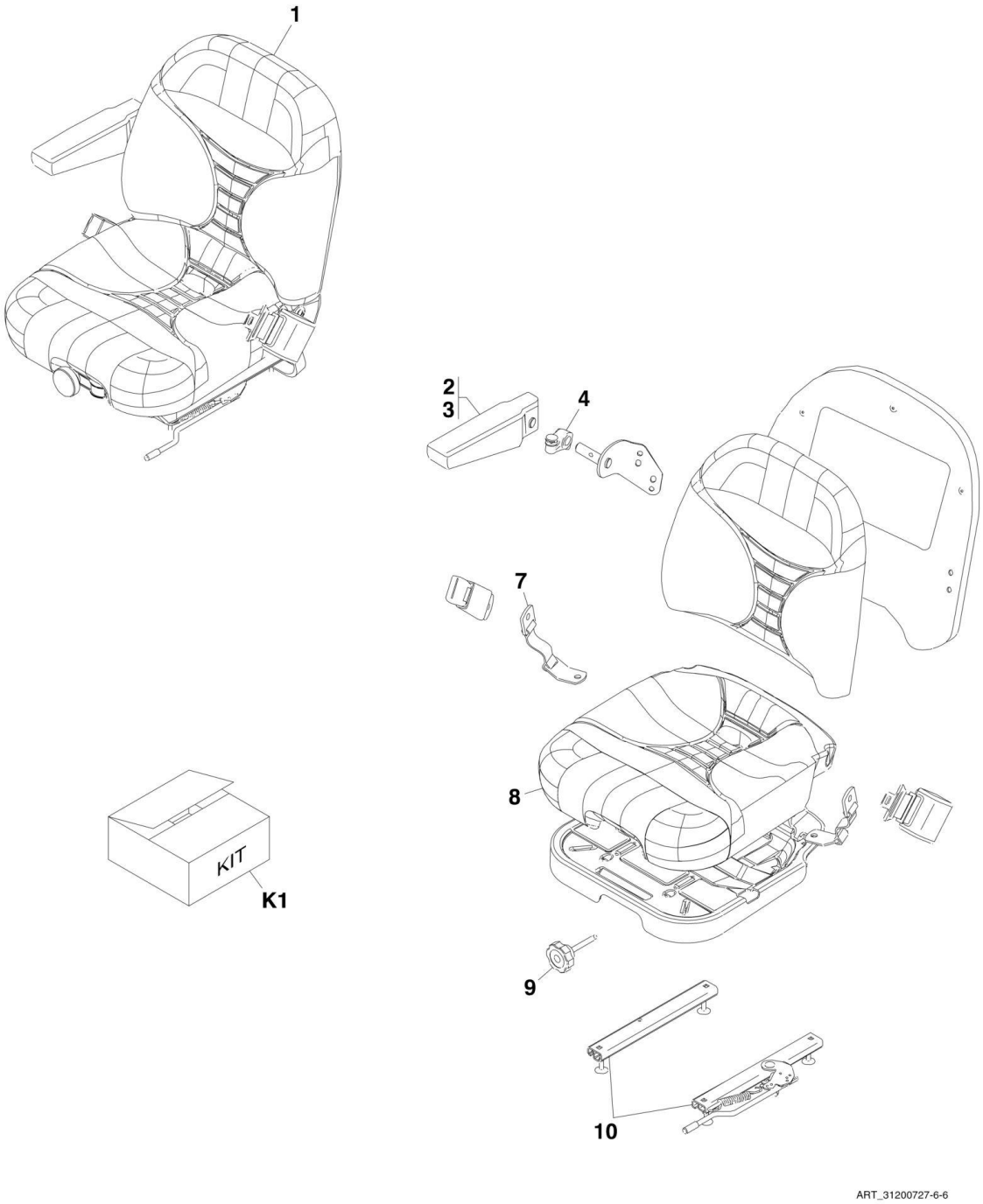
**Note:**

1. USE LOCTITE® 242™ AS NEEDED ON BOLTS & NUTS.
2. USE SEALANT (P/N 14403190) VULKEM SEALANT ON TOP OF CAB AS NEEDED AROUND WIPER MOTOR, SCREW & ROD.

## FIGURE 6-5. WIPER

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 80384203 | 1 | WIPER DRIVE ARM | |
| 2 | 1001081310 | 1 | WET ARM ADAPTER | |
| 3 | 1001081311 | 1 | WET ARM KIT | |
| 4 | 1001081308 | 1 | WIPER ARM | |
| 5 | 80384213 | 1 | WIPER BLADE | |
| 6 | 1001081307 | 1 | WIPER PIVOT MOUNT | |
| 7 | 91144478 | 1 | WIPER MOTOR SHAFT AND PIVOT ASSY | |
| 8 | 91404293 | 1 | WIPER MOTOR ASSY, (includes items 1 & 7) | |
| 8 | 7029860 | 1 | WIPER MOTOR, 12V | |
| 9 | 80384207 | 2 | HEX HD CAPSCREW, 1/4-28X3/4 | |
| 10 | 91334035 | 1 | SPACER | |
| 104 | 0641408 | 3 | HEX HD CAPSCREW, 1/4-20X1, GR5 | |
| 120 | 4711400 | 3 | WASHER, 1/4 | |
| 127 | 4791400 | 1 | STAR WASHER, 1/4 | |
| 193 | 1001111112 | 1 | WINDOW WASHER FLUID TANK, (includes cap) | |
| | 1001139927 | Ref | SKYLIGHT WIPER INSTALLATION, (not available to order, see items 301 thru 304 for service) | B |
| 301 | | Ref | LOCTITE 242 | |
| 302 | 1001111086 | 1 | SKYLIGHT WIPER ASSY, (includes items 401 thru 409) | C |
| 303 | 14403190 | AR | SEALANT | |
| 304 | 8096D097 | 48 in | CONDUIT | |
| 401 | 4740553 | 1 | WASHER, 1/4 | |
| 402 | 8036678 | 2 | WASHER, 1/4 | |
| 403 | 8034805 | 1 | HEX NUT, 10-24 | |
| 404 | 8034807 | 1 | WIPER ARM | |
| 405 | 8035498 | 1 | WIPER BLADE | |
| 406 | 8036088 | 1 | HEX BOLT, 10-24X3/4 | |
| 407 | 70020528 | 1 | WIPER COVER | |
| 408 | 1001107799 | 1 | WIPER MOTOR | |
| 409 | 1001093828 | 1 | WIPER MOTOR HARNESS | |

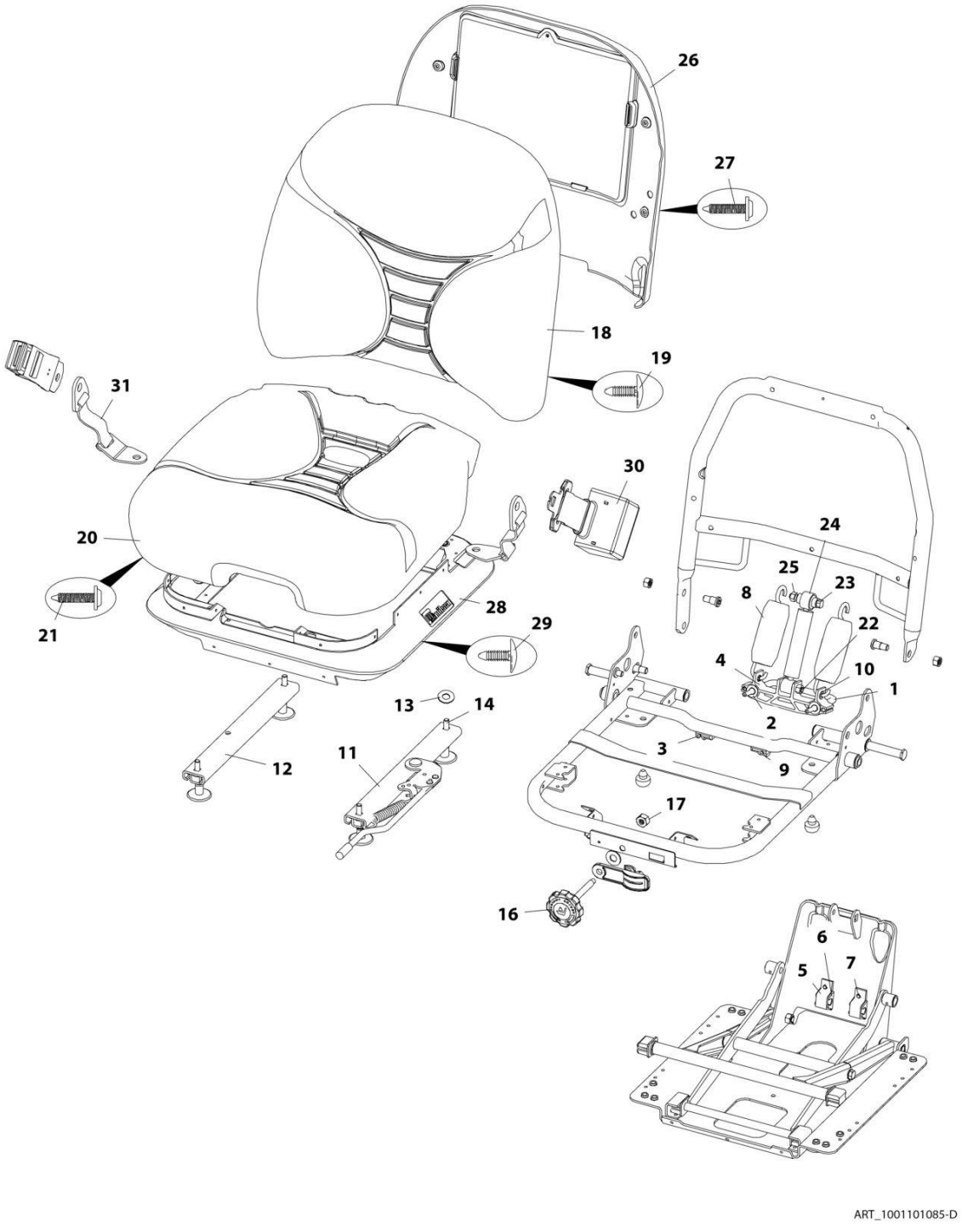
## FIGURE 6-6. SUSPENSION SEAT



## FIGURE 6-6. SUSPENSION SEAT

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91563158 | 1 | SUSPENSION SEAT, (includes all items) | G |
| 1 | 1001101085 | 1 | SEAT (See SEAT for Breakdown) | |
| 2 | 7026904 | 1 | RH ARMREST ASSY KIT, (includes items 3 & 4) | |
| 3 | N.S.S. | 1 | ARMREST, MOLDED KIT | |
| 4 | N.S.S. | 1 | ARMREST STOP ASSY | |
| | 91563164 | nla | SEAT BELT, 3IN, (California Only), (not included with 91563158) (no longer available, use 70023139 for replacement) | |
| 7 | 7026906 | 1 | TETHER KIT | |
| 8 | 7026901 | 1 | SEAT CUSHION KIT | |
| 9 | 7026799 | 1 | KNOB KIT | |
| 10 | 7026798 | 1 | SLIDE KIT | |
| K1 | 70023139 | 1 | SEAT BELT KIT, 3IN, (California only), (includes retractor and female ends) | |

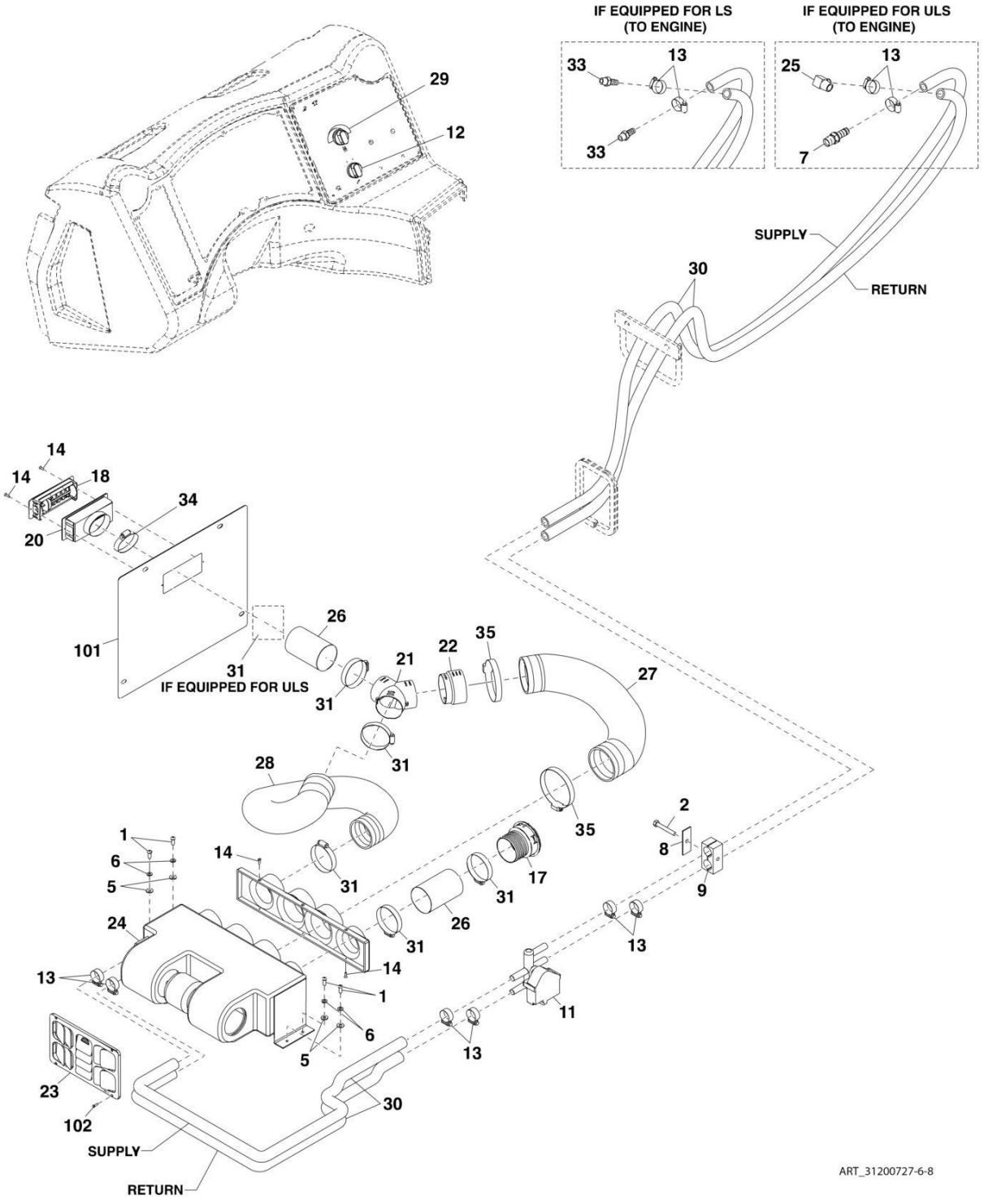
**FIGURE 6-7. SEAT**



## FIGURE 6-7. SEAT

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001101085 | 1 | SEAT | D |
| | 70020928 | 1 | KIT, SPRING AND SADDLE | |
| 1 | N.S.S. | 1 | ARM, SPRING | |
| 2 | N.S.S. | 2 | BUSHING, SADDLE | |
| 3 | N.S.S. | 2 | BEARING, SPRING | |
| 4 | N.S.S. | 1 | SADDLE, SPRING | |
| 5 | N.S.S. | 2 | STRAP, PIVOT BLOCK | |
| 6 | N.S.S. | 2 | BLOCK, PIVOT | |
| 7 | N.S.S. | 2 | SCREW, TAPTITE 1/4-20 | |
| 8 | N.S.S. | 2 | SPRING, SUSPENSION | |
| 9 | N.S.S. | 2 | SCREW, 8-18 | |
| 10 | N.S.S. | 2 | BUSHING, SPRING | |
| | 7026798 | 1 | KIT, SLIDE | |
| 11 | N.S.S. | 1 | ASSEMBLY, ADJUSTER | |
| 12 | N.S.S. | 1 | ADJUSTER, SLAVE | |
| 13 | N.S.S. | 4 | SPACER, NYLON | |
| 14 | N.S.S. | 4 | SCREW, TAPTITE, 5/16-18 | |
| | 7026799 | 1 | KIT, KNOB | |
| 16 | N.S.S. | 1 | KNOB | |
| 17 | N.S.S. | 1 | NUT, 5/16-18 | |
| | 7026900 | 1 | BACK CUSHION KIT | |
| 18 | N.S.S. | 1 | CUSHION, BACK | |
| 19 | N.S.S. | 6 | CLIP | |
| | 7026901 | 1 | KIT, SEAT CUSHION | |
| 20 | N.S.S. | 1 | CUSHION, SEAT | |
| 21 | N.S.S. | 2 | SCREW, TAPTITE 1/4-15 | |
| | 70023040 | 1 | KIT, SHOCK ABSORBER | |
| 22 | N.S.S. | 1 | PIN, SHOCK | |
| 23 | N.S.S. | 1 | PIN, SHOCK | |
| 24 | N.S.S. | 1 | ABSORBER, SHOCK | |
| 25 | N.S.S. | 2 | NUT, 5/16-18 | |
| | 7026902 | 1 | KIT, BACK PANEL | |
| 26 | N.S.S. | 1 | PANEL, BACK | |
| 27 | N.S.S. | 1 | SCREW, 8-18 | |
| | 70023890 | 1 | KIT, BOOT | |
| 28 | N.S.S. | 1 | BOOT | |
| 29 | N.S.S. | 27 | CLIP | |
| 30 | 7026905 | 1 | KIT, SEAT BELT (2IN) | |
| | 7026906 | 1 | KIT, TETHER | |
| 31 | N.S.S. | 2 | STRAP, TETHER | |

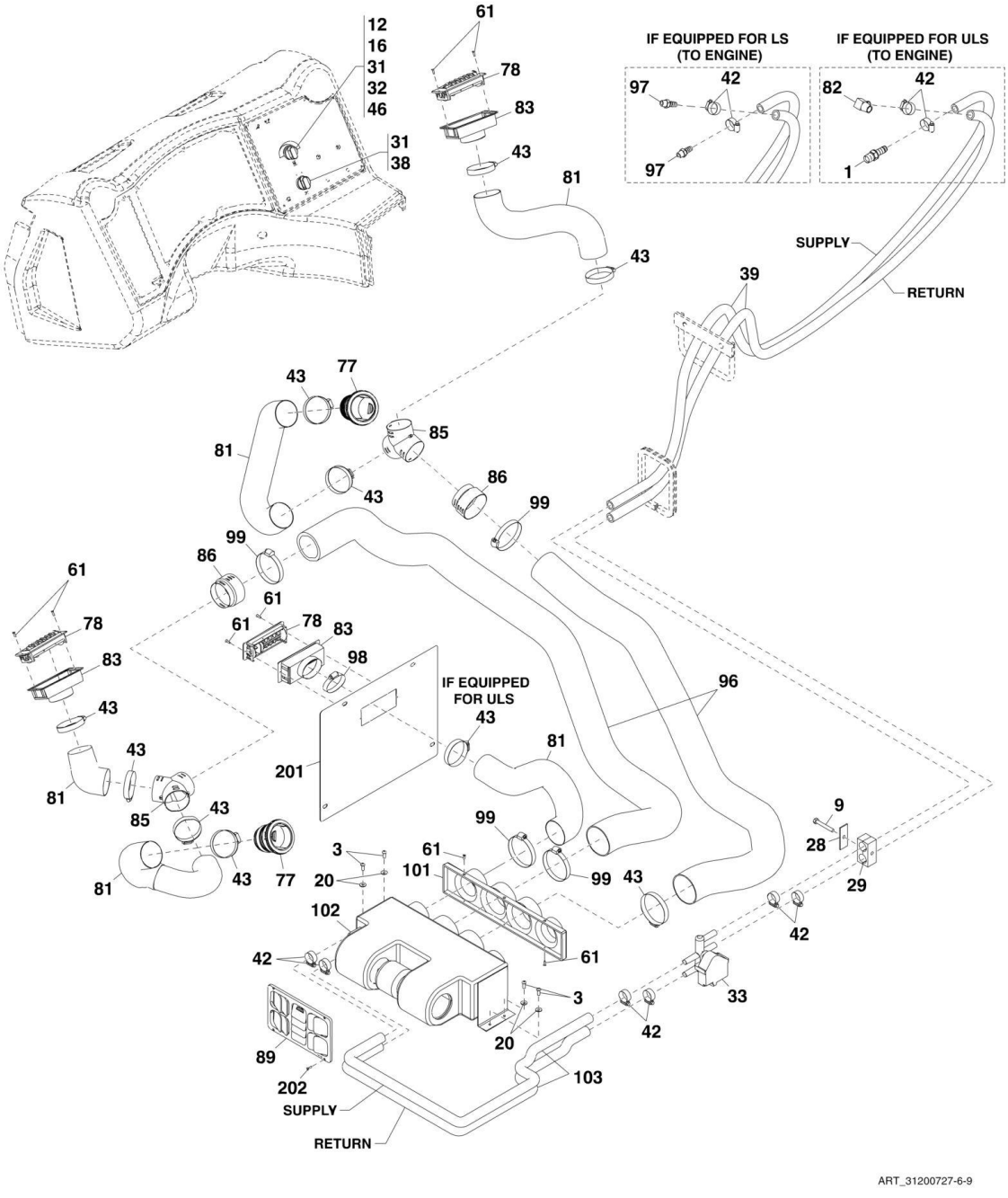
## FIGURE 6-8. HEATER INSTALLATION



## FIGURE 6-8. HEATER INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001133461 | Ref | HEATER INSTALLATION, (open cab), (if equipped for ULS), (not available to order, see items 1 thru 35 for service) | D |
| | 1001144772 | Ref | HEATER INSTALLATION, (open cab), (if equipped for LS), (not available to order, see items 1 thru 6, 8 thru 24 & 26 thru 35 for service) | D |
| 1 | 0630407 | 4 | BUTTON HD SCREW, 1/4-20X5/8 | |
| 2 | 0641518 | 1 | HEX HD CAPSCREW, 5/16-18X2-1/4, GR5 | |
| 5 | 4711400 | 4 | WASHER, 1/4 | |
| 6 | 4761400 | 4 | LOCKWASHER, 1/4 | |
| 7 | 8430048 | 1 | ADAPTER, (if equipped for ULS) | |
| 8 | 77133137 | 1 | COVER PLATE | |
| 9 | 77133279 | 1 | CLAMP SET | |
| 11 | 80383231 | 1 | HEATER CONTROL VALVE | |
| 12 | | Ref | BLOWER SWITCH, (See ELECTRICAL SECTION for Breakdown) | |
| 13 | 86683193 | 8 | HOSE CLAMP | |
| 14 | 91413036 | 8 | SCREW, 6X1/2 | |
| 15 | | Ref | ENCLOSED CAB OPTION HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown) | |
| 17 | 1001100278 | 1 | AIR CONDITIONING VENT | |
| 18 | 1001100279 | 1 | DEFROST VENT | |
| 20 | 1001101216 | 1 | DEFROST BASE VENT | |
| 21 | 1001101668 | 1 | CONDUIT | |
| 22 | 1001101669 | 1 | CONDUIT | |
| 23 | | Ref | RETURN AIR VENT, (See CAB INSTALLATION for Breakdown) | |
| 24 | 1001114282 | 1 | 3 SPEED HEATER ASSY | |
| 25 | 1001135035 | 1 | ADAPTER, 90, (if equipped for ULS) | |
| 26 | 1001100446 | 11 in | VENT HOSE | |
| 27 | 1001100447 | 1.4 ft | HOSE | |
| 28 | 71492152 | 30 in | AIR HOSE, (if equipped for ULS) | |
| | 71492152 | 47 in | AIR HOSE, (if equipped for LS) | |
| 29 | | Ref | POTENTIOMETER ASSY, (See ELECTRICAL SECTION for Breakdown) | |
| 30 | 82033995 | 13.8 ft | HOSE, (if equipped for ULS) | |
| | 82033995 | 19.3 ft | HOSE, (if equipped for LS) | |
| 31 | 86883328 | 5 | HOSE CLAMP | |
| 33 | 2220806 | 2 | STRAIGHT FITTING, (if equipped for LS) | |
| 34 | 84231107 | 1 | HOSE CLAMP, (if equipped for LS) | |
| 35 | 8410011 | 2 | GEAR CLAMP | |
| 101 | | Ref | SEAT RISER PANEL, (See CAB INSTALLTION for Breakdown) | |
| 102 | | Ref | SCREW, 6X1/2, (See CAB INSTALLTION for Breakdown) | |

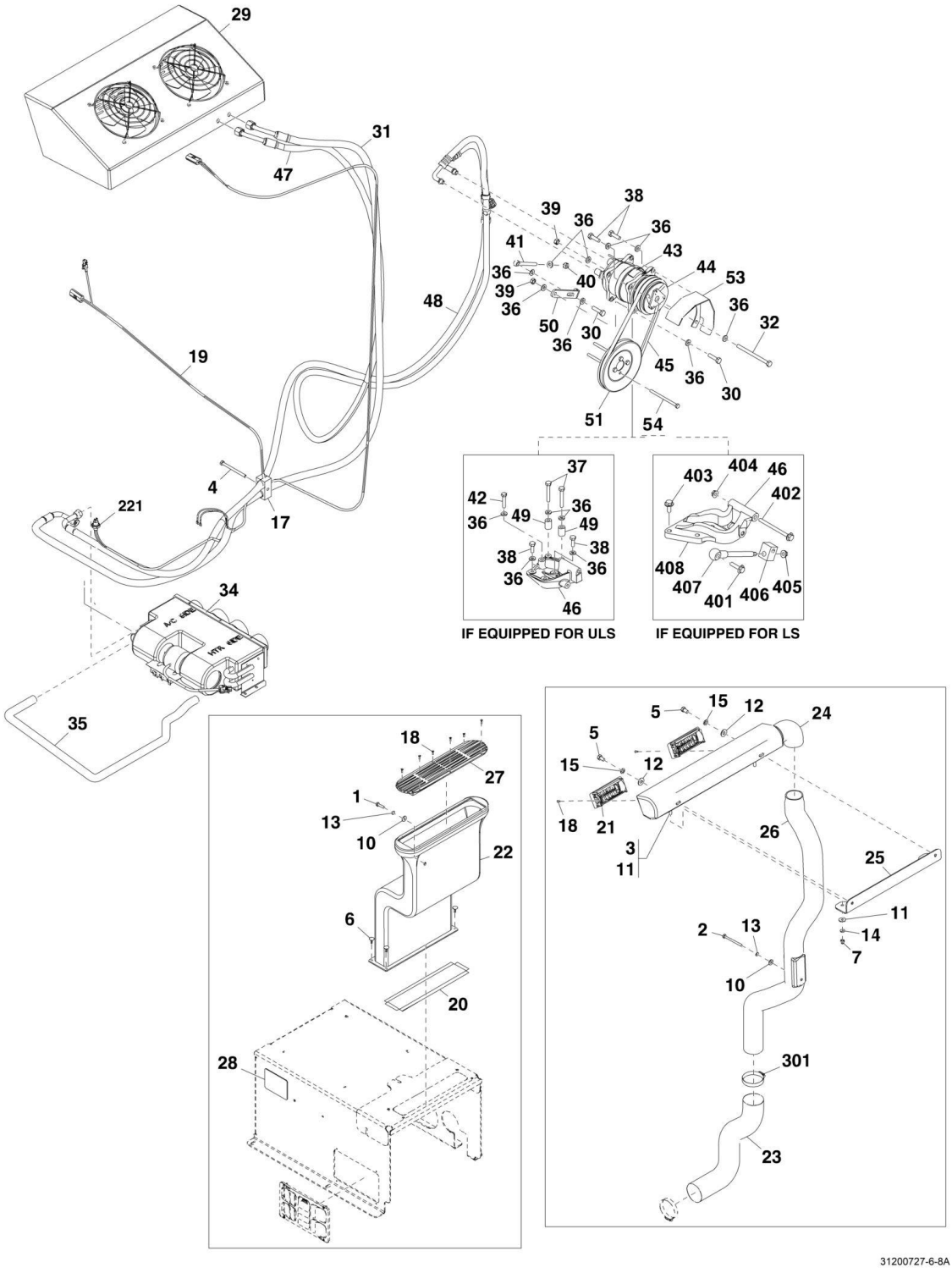
## FIGURE 6-9. HEATER INSTALLATION

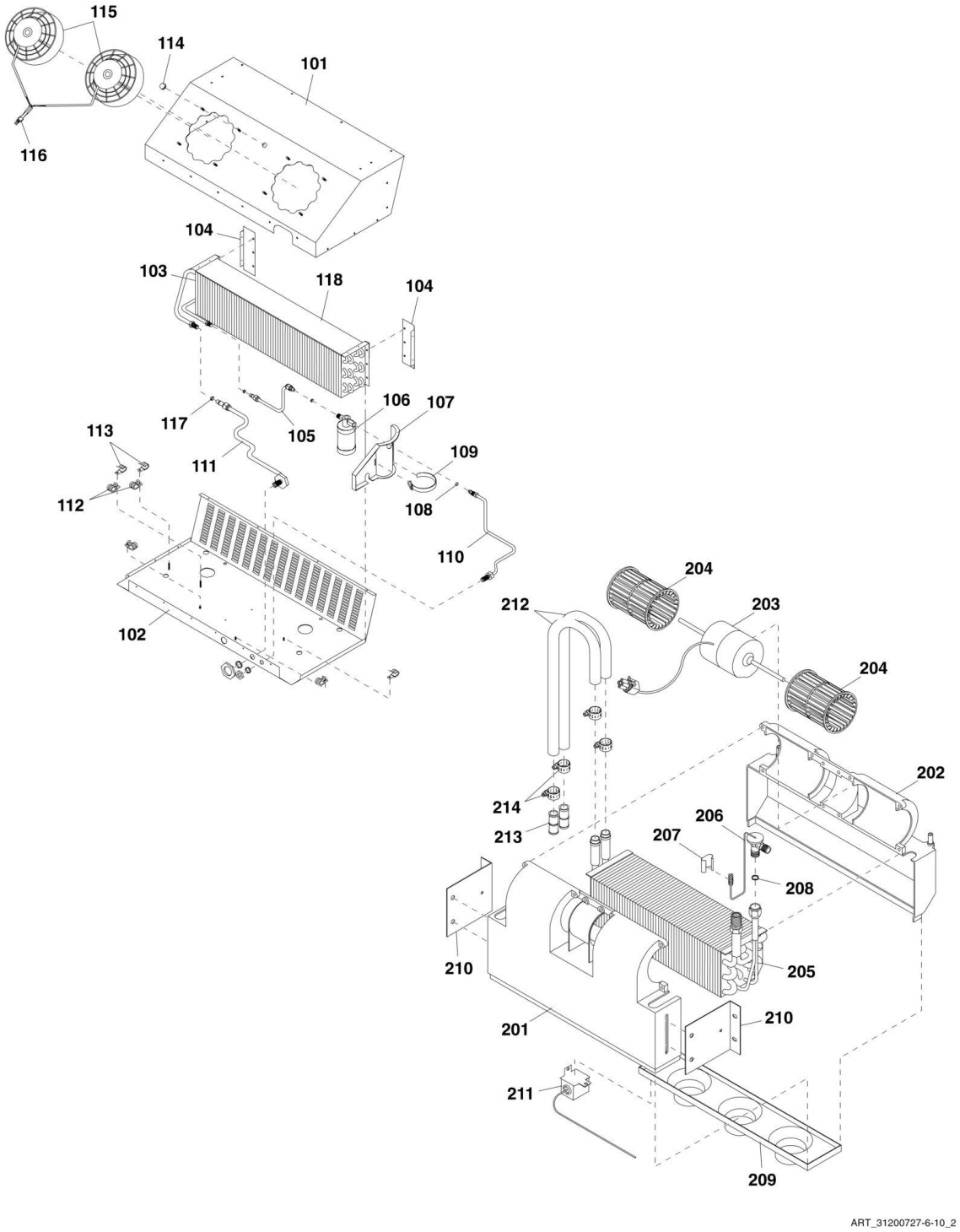


## FIGURE 6-9. HEATER INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131977 | Ref | HEATER INSTALLATION, (enclosed cab), (if equipped for ULS), (not available to order, see items 1 thru 96 & 99 for service) | K |
| | 1001139634 | Ref | HEATER INSTALLATION, (enclosed cab), (if equipped for LS), (not available to order, see items 3 thru 81 & 83 thru 99 for service) | J |
| 1 | 8430048 | 1 | ADAPTER, (if equipped for ULS) | |
| 3 | 0641405 | 4 | HEX HD CAPSCREW, 1/4-20X5/8 | |
| 9 | 0641518 | 1 | HEX HD CAPSCREW, 5/16-18X2-1/4, GR5 | |
| 12 | | Ref | SOCKET HD CAPSCREW, 6-32X0.62, (See ELECTRICAL SECTION for Breakdown) | |
| 16 | | Ref | HEX NUT, 6-32X0.62, (See ELECTRICAL SECTION for Breakdown) | |
| 20 | 4711400 | 4 | WASHER, 1/4 | |
| 28 | 77133137 | 1 | COVER PLATE | |
| 29 | 77133279 | 1 | CLAMP SET | |
| 31 | | Ref | KNOB, (See ELECTRICAL SECTION for Breakdown) | |
| 32 | | Ref | POTENTIOMETER ASSY, (See ELECTRICAL SECTION for Breakdown) | |
| 33 | 80383231 | 1 | HEATER CONTROL VALVE | |
| 38 | | Ref | BLOWER SWITCH, (See ELECTRICAL SECTION for Breakdown) | |
| 39 | 82033995 | 102 in | HOSE, (if equipped for ULS) | |
| 39 | 82033995 | 168 in | HOSE, (if equipped for LS) | |
| 40 | 82033997 | 132 in | WASHER FLUID HOSE, (not shown) | |
| 42 | 86683193 | 8 | HOSE CLAMP | |
| 43 | 86883328 | 9 | HOSE CLAMP | |
| 46 | | Ref | CLIP, (See ELECTRICAL SECTION for Breakdown) | |
| 61 | 91413036 | 12 | SCREW, 6X1/2 | |
| 69 | | Ref | ENCLOSED CAB OPTION HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown) | |
| 77 | 1001100278 | 3 | AIR CONDITIONING VENT | |
| 78 | 1001100279 | 3 | DEFROST VENT | |
| 81 | 1001100446 | 74 in | VENT HOSE, (if equipped for ULS) | |
| 81 | 1001100446 | 67 in | VENT HOSE, (if equipped for LS) | |
| 82 | 1001135035 | 1 | ADAPTER, 90, (if equipped for ULS) | |
| 83 | 1001101216 | 3 | DEFROST BASE VENT | |
| 85 | 1001101668 | 2 | CONDUIT | |
| 86 | 1001101669 | 2 | CONDUIT | |
| 89 | | Ref | RETURN AIR VENT, (See CAB INSTALLATION for Breakdown) | |
| 96 | 1001100447 | 122 in | HOSE, (if equipped for ULS) | |
| 96 | 1001100447 | 148 in | HOSE, (if equipped for LS) | |
| 97 | 2220806 | 2 | STRAIGHT FITTING, (if equipped for LS) | |
| 98 | 84231107 | 3 | HOSE CLAMP, (if equipped for ULS) | |
| | 84231107 | 1 | HOSE CLAMP, (if equipped for LS) | |
| 99 | 8410011 | 4 | GEAR CLAMP | |
| 101 | 1001100282 | 1 | BLOWER UNIT COVER | |
| 102 | 1001114282 | 1 | 3 SPEED HEATER ASSY | |
| 103 | 82033995 | 64 in | HOSE | |
| 201 | | Ref | SEAT RISER PANEL, (See CAB INSTALLATION for Breakdown) | |
| 202 | | Ref | SCREW, 6X1/2, (See CAB INSTALLATION for Breakdown) | |

## FIGURE 6-10. AIR CONDITIONING INSTALLATION




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## FIGURE 6-10. AIR CONDITIONING INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131979 | Ref | AIR CONDITIONING INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 53 & 56 for service) | L |
| | 1001139643 | Ref | AIR CONDITIONING INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 7, 9 thru 36, 38 thru 39, 43 thru 48 & 51 thru 53 & 56 for service) | F |
| 1 | 0641408 | 1 | HEX HD CAPSCREW, 1/4-20X1 | |
| 2 | 0641424 | 1 | HEX HD CAPSCREW, 1/4-20X3 | |
| 3 | 0641507 | 2 | HEX HD CAPSCREW, 5/16-18X7/8 | |
| 4 | 0641532 | 1 | HEX HD CAPSCREW, 5/16-18X4 | |
| 5 | 0641605 | 2 | HEX HD CAPSCREW, 3/8-16X5/8 | |
| 6 | 1380158 | 4 | PANEL RETAINER CLIP | |
| 7 | 2080063 | 2 | LOCKNUT FASTENER, 1/4-20 | |
| 9 | 4240033 | 5 | WIRE TIE, (not shown), (if equipped for ULS) | |
| 9 | 4240033 | 7 | WIRE TIE, (not shown), (if equipped for LS) | |
| 10 | 4711400 | 2 | WASHER, 1/4 | |
| 11 | 4751500 | 4 | WASHER, 5/16 | |
| 12 | 4751600 | 2 | WASHER, 3/8 | |
| 13 | 4761400 | 2 | LOCKWASHER, 1/4 | |
| 14 | 4761500 | 2 | LOCKWASHER, 5/16 | |
| 15 | 4761600 | 2 | LOCKWASHER, 3/8 | |
| 17 | 77323029 | 1 | CLAMP SET | |
| 18 | 91413036 | 10 | SCREW, 6X1/2 | |
| 19 | | Ref | A/C HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown) | |
| 20 | 1001090344 | 28 in | NEOPRENE TAPE, 1/16X1/2 | |
| 21 | 1001100279 | 2 | DEFROST VENT | |
| 22 | 1001100281 | 1 | MAIN SUCTION VENT | |
| 23 | 1001100446 | 20 in | HOSE ASSY | |
| 24 | 1001100770 | 1 | TUBE | |
| 25 | 1001100773 | 1 | BRACKET | |
| 26 | 1001101259 | 1 | TUBE | |
| 27 | 1001101640 | 1 | SUCTION VENT FILTER | |
| 28 | | Ref | A/C TEMPERATURE DECAL, (See DECALS SECTION for Breakdown) | |
| 29 | 1001107340 | 1 | A/C OVERHEAD CONDENSER, (includes items 101 thru 122) | A |
| 30 | 0701016 | 2 | HEX HD CAPSCREW, M10X40, GR8.8, (if equipped for ULS) | |
| 30 | 0701020 | 1 | HEX HD CAPSCREW, M10X60, GR8.8, (if equipped for LS) | |
| 31 | 1001107428 | 1 | HOSE ASSY | |
| 32 | 0711031 | 1 | HEX HD CAPSCREW, M10X140, GR10.9, (if equipped for ULS) | |
| 33 | | Ref | ENCLOSED CAB, (not shown), (See CAB ASSEMBLY for Breakdown) | |
| 34 | 1001142350 | 1 | HEATER AND A/C ASSY, 3 SPEED, (includes items 201 thru 221) | C |
| 35 | 82033995 | 28 in | HEATER HOSE, 5/8 | |
| 36 | 4891600 | 15 | WASHER, 3/8, (if equipped for ULS) | |
| 36 | 4891600 | 4 | WASHER, 3/8, (if equipped for LS) | |
| 37 | 0701022 | 2 | HEX HD CAPSCREW, M10X70, GR8.8, (if equipped for ULS) | |
| 38 | 0761014 | 5 | HEX HD CAPSCREW, M10X30, GR8.8, (if equipped for ULS) | |
| 38 | 0761014 | 2 | HEX HD CAPSCREW, M10X35, GR8.8, (if equipped for LS) | |
| 39 | 8305038 | 1 | HEX NUT, M10X1-1/2 | |
| 40 | 3291007 | 1 | HEX LOCKNUT, M10X1-1/2, (if equipped for ULS) | |
| 41 | 8310737 | 1 | ROD END, (if equipped for ULS) | |

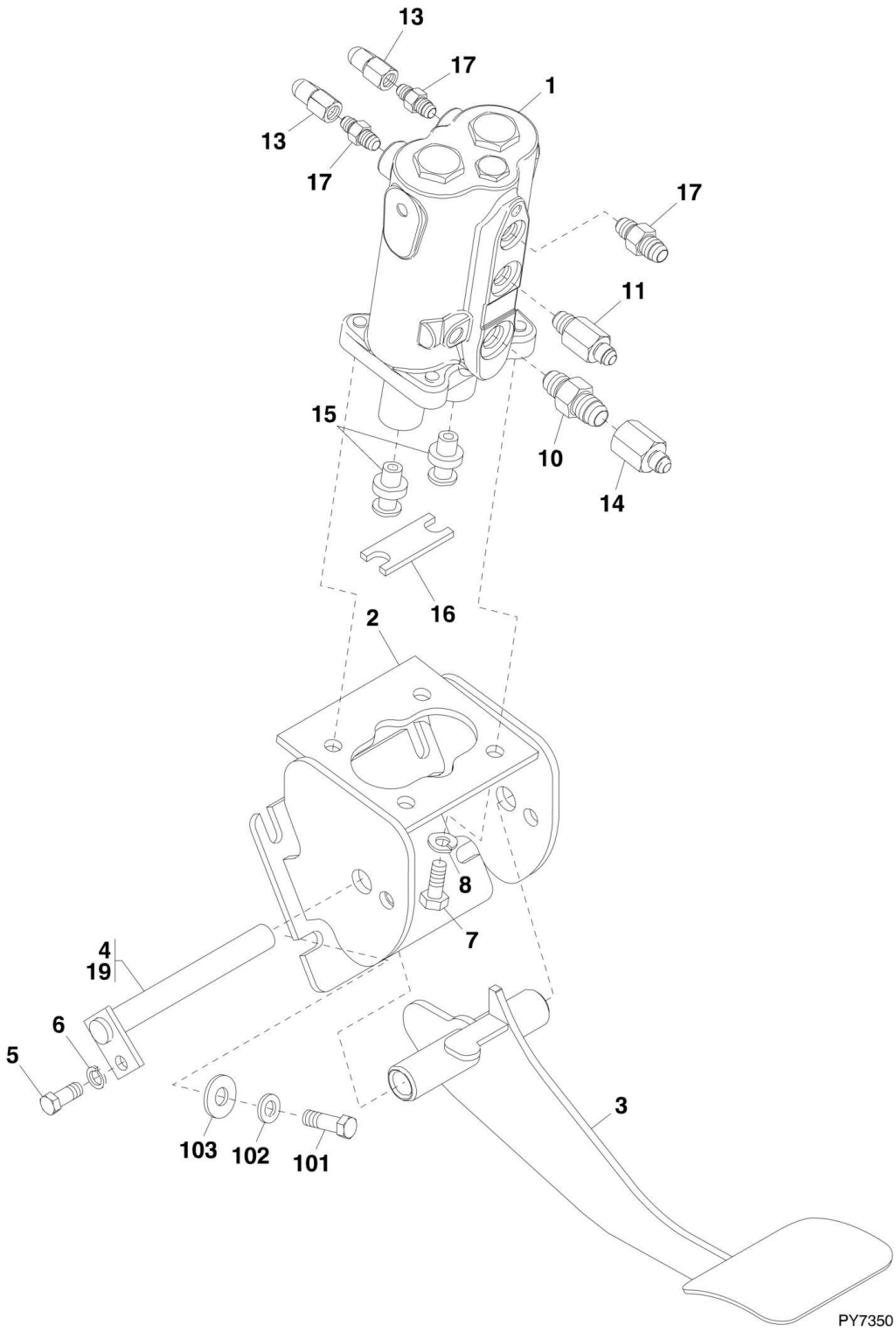
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 42 | 8310748 | 1 | HEX HD CAPSCREW, M10X50, GR8.8, (if equipped for ULS) | |
| 43 | 1001093526 | 1 | A/C REFRIGERANT DECAL | |
| 44 | 1001107339 | 1 | A/C COMPRESSOR CLUTCH | |
| 45 | 1001130379 | 1 | BELT, (if equipped for ULS) | |
| 45 | 1001138998 | 1 | BELT, (if equipped for LS) | |
| 46 | 1001133435 | 1 | A/C COMPRESSOR BRACKET, (if equipped for ULS) | E |
| 46 | 1001139646 | 1 | A/C COMPRESSOR BRACKET, (if equipped for LS), (includes items 401 to 408) | B |
| 47 | 1001135649 | 1 | HOSE ASSY | |
| 48 | 1001135657 | 1 | HOSE ASSY | |
| 49 | 1001135662 | 2 | FUEL FILTER SPACER TUBE, (if equipped for ULS) | |
| 50 | 1001135664 | 1 | A/C ADJUST PLATE, (if equipped for ULS) | |
| 51 | 1001120544 | 1 | A/C DRIVE PULLEY, (if equipped for LS) | |
| 53 | 1001140255 | 1 | A/C COMPRESSOR SHIELD | |
| 54 | 0710829 | 4 | HEX HD CAPSCREW, M8X120, GR10.9 | |
| 56 | 7301536 | 1 | GUARD, HOSE (Not Shown) | |
| 101 | 70020643 | 1 | CASE TOP | |
| 102 | 70022880 | 1 | CASE BOTTOM | |
| 103 | 70020644 | 1 | COIL | |
| 104 | 70022881 | 2 | BRACKET | |
| 105 | 91514270 | 1 | TUBE ASSY | |
| 106 | 91514266 | 1 | DRIER | |
| 107 | 70022882 | 1 | BRACKET | |
| 108 | 80363102 | 3 | O-RING | |
| 109 | 70022883 | 1 | CLAMP | |
| 110 | 70020645 | 1 | TUBE ASSY | |
| 111 | 70020646 | 1 | TUBE ASSY | |
| 112 | 70022884 | 4 | CLAMP | |
| 113 | 70022885 | 3 | CLAMP | |
| 114 | 70022886 | 1 | PLUG | |
| 115 | 91514295 | 2 | FAN | |
| 116 | 70020647 | 1 | FAN HARNESS | |
| 117 | 80363103 | 1 | O-RING | |
| 118 | 70022891 | 2 ft | FOAM | |
| 120 | 70022890 | 4 | BOLT, 3/8-16X1-3/4, (not shown) | |
| 121 | 70022888 | 4 | WASHER, 3/8, (not shown) | |
| 122 | 70022889 | 4 | LOCKWASHER, 3/8, (not shown) | |
| 201 | 70022552 | 1 | CASE TOP | |
| 202 | 70022553 | 1 | CASE BOTTOM | |
| 203 | 70022805 | 1 | BLOWER MOTOR | |
| 204 | 70023108 | 2 | BLOWER WHEEL | |
| 205 | 70022876 | 1 | HEATER/COOLER COIL | |
| 206 | 91514272 | 1 | VALVE | |
| 207 | 70022877 | 1 | CLAMP | |
| 208 | 80363103 | 1 | O-RING | |
| 209 | N.S.S. | 1 | 3 HOLE TOP | |
| 210 | N.S.S. | 2 | LEG | |
| 211 | 70024386 | 1 | THERMOSTAT | |
| 212 | N.S.S. | 2 | HOSE | |
| 213 | N.S.S. | 2 | HEATER SPLICE | |
| 214 | 70022879 | 4 | CLAMP | |
| 215 | 70022555 | 1 | ARM RESTRICTER, (not shown) | |

# SECTION 6 - CAB

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 216 | 91514296 | 1 | METRO SWITCH, (not shown) | |
| 217 | 70020640 | 1 | 12V RELAY, (not shown) | |
| 218 | 70022556 | 3 ft | HOSE, (not shown) | |
| 219 | 70022557 | 1 | DRAIN ELBOW, 3/8, (not shown) | |
| 220 | 70022558 | 1 | DRAIN TEE, 3/8, (not shown) | |
| 221 | 80363099 | 1 | PRESSURE SWITCH | |
| 301 | 86883328 | 1 | CLAMP | |
| 401 | 1001148770 | 2 | HEX HD CAPSCREW | |
| 402 | 1001148771 | 1 | HEX HD CAPSCREW | |
| 403 | 1001148772 | 4 | HEX HD CAPSCREW | |
| 404 | 1001148773 | 2 | HEX HD NUT | |
| 405 | 1001148774 | 1 | HEX HD NUT | |
| 406 | 1001148775 | 1 | ADJUSTING END LINK | |
| 407 | 1001148776 | 1 | ADJUSTING LINK | |
| 408 | 1001148778 | 1 | REF COMPRESSOR SUPPORT | |

# SECTION 7 - CONTROLS

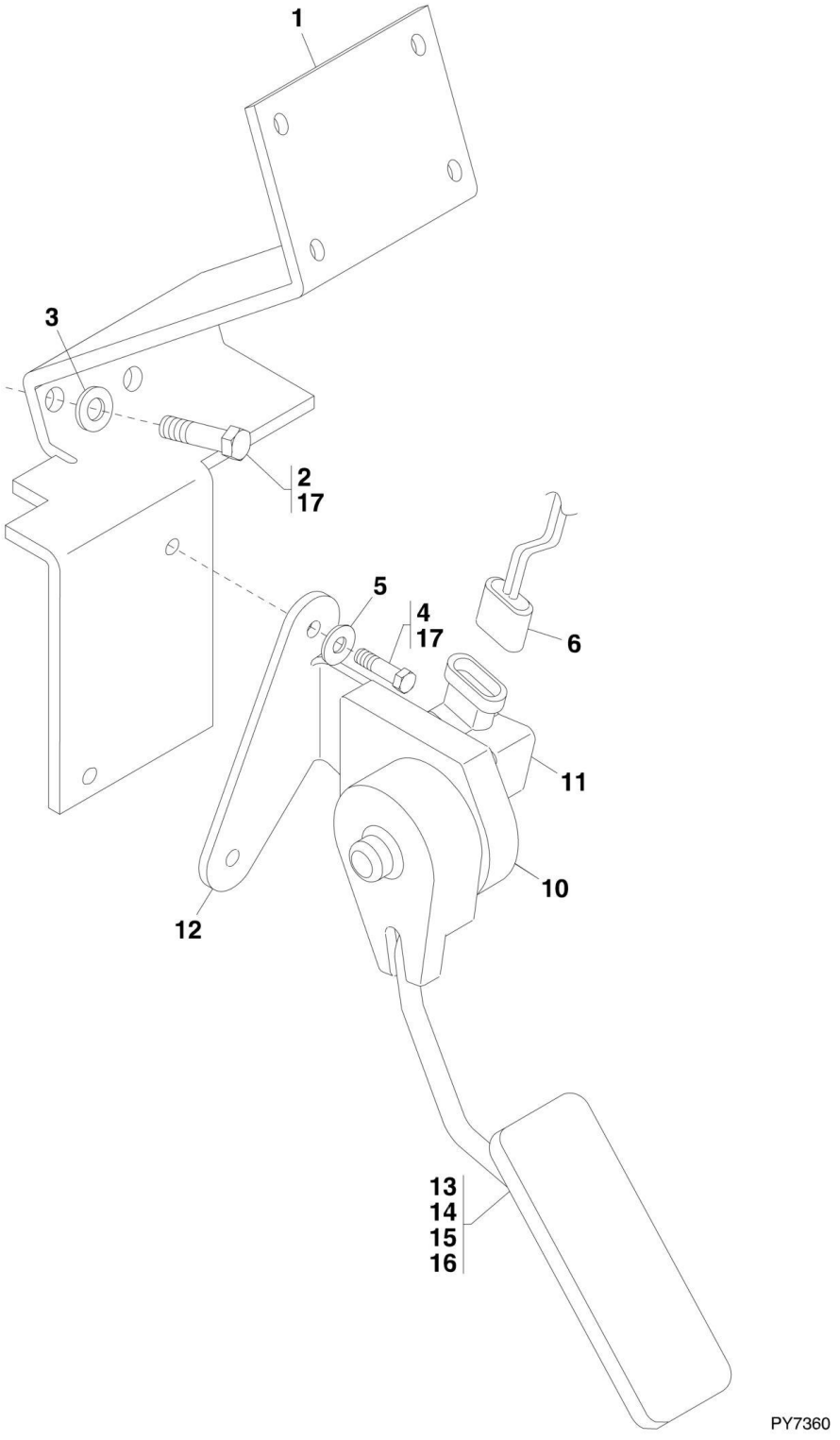
**FIGURE 7-1. BRAKE**



## FIGURE 7-1. BRAKE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001091173 | Ref | BRAKE INSTALLATION, (not available to order, see items 1 thru 19 for service) | F |
| 1 | | Ref | BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 2 | 1001091118 | 1 | BRACKET | |
| 3 | 1001090741 | 1 | PEDAL | |
| 4 | 91476031 | 1 | PIN | |
| 5 | 0641608 | 1 | HEX HD CAPSCREW, 3/8-16X1, GR5 | |
| 6 | 4761600 | 1 | LOCKWASHER, 3/8 | |
| 7 | 0701014 | 4 | HEX HD CAPSCREW, M10X30, GR8.8 | |
| 8 | 4832000 | 4 | LOCKWASHER, 10mm | |
| 10 | 2221257 | 1 | STRAIGHT FITTING, (includes o-ring) | |
| 11 | 8770258 | 1 | STRAIGHT FITTING, (includes o-ring) | |
| 13 | 2172106 | 2 | ADAPTER, 90, (swivel nut) | |
| 14 | 2221244 | 1 | REDUCER ADAPTER, (includes o-ring) | |
| 15 | 91513180 | 2 | ACTUATOR | |
| 16 | 91511145 | 1 | TIE BAR | |
| 17 | 2144605 | 3 | STRAIGHT FITTING, (includes o-ring) | |
| 19 | 3020039 | AR | MOLY PASTE | |
| 101 | 0641508 | 4 | HEX HD CAPSCREW, 5/16-18X1 | |
| 102 | 4761500 | 4 | LOCKWASHER, 5/16 | |
| 103 | 4751500 | 4 | WASHER, 5/16 | |

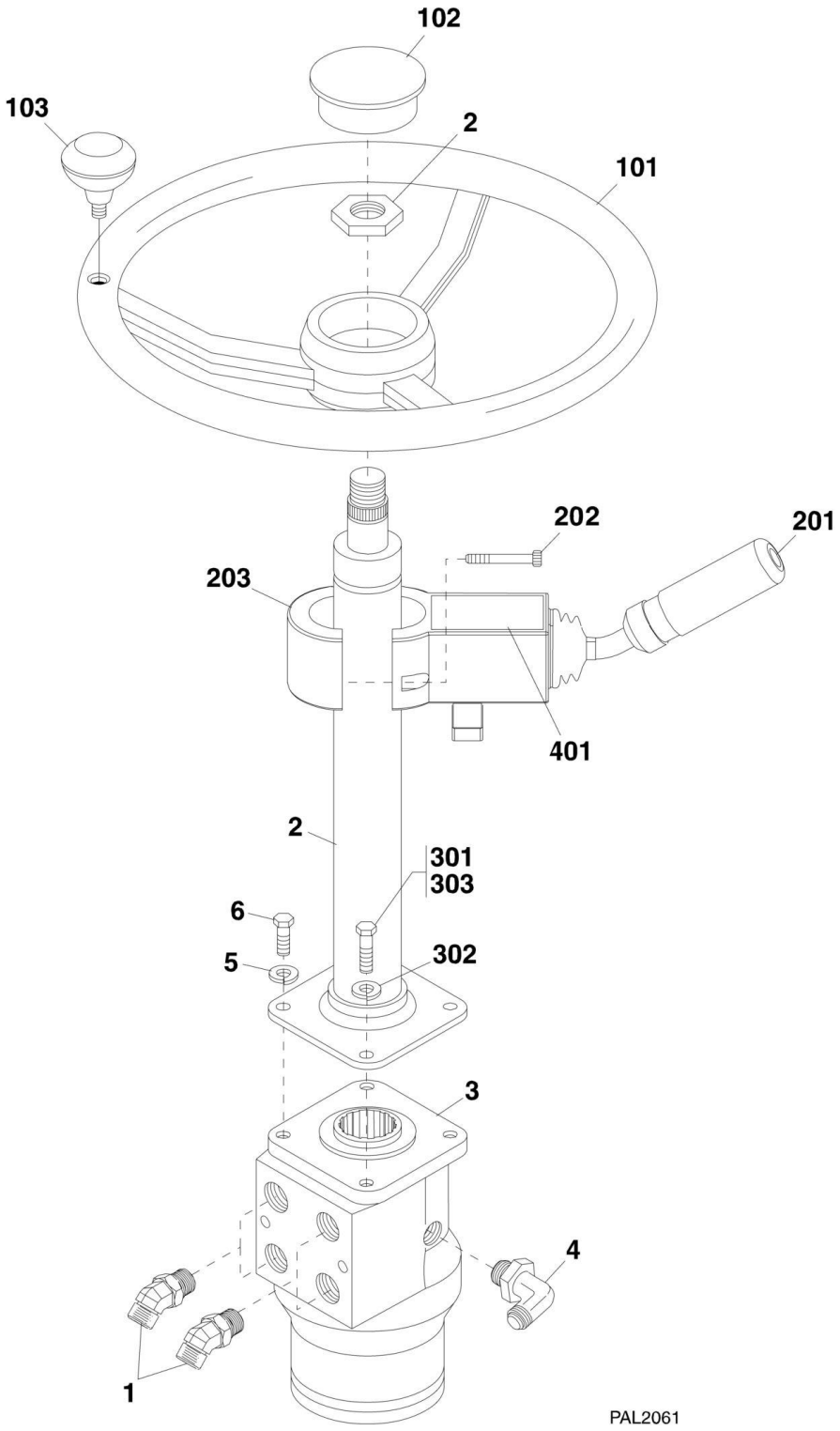
**FIGURE 7-2. ACCELERATOR**



## FIGURE 7-2. ACCELERATOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 91561192 | 1 | BRACKET | |
| 2 | 0641508 | 2 | HEX HD CAPSCREW, 5/16-18X1, GR5, (torque to 17 lb-ft/23 Nm) | |
| 3 | 4711500 | 2 | WASHER, 5/16 | |
| 4 | 0641408 | 2 | HEX HD CAPSCREW, 1/4-20X1, GR5, (torque to 96 lb-ft/130 Nm) | |
| 5 | 4711400 | 2 | WASHER, 1/4 | |
| 6 | | Ref | ENGINE HARNESS, (See ELECTRICAL SECTION for Breakdown) | |
| 10 | 1001126589 | 1 | ACCELERATOR PEDAL, (includes items 11 thru 16) | B |
| 11 | 70024319 | 1 | SENSOR KIT, (includes screws) | |
| 12 | N.S.S. | 1 | BRACKET | |
| 13 | 70023325 | 1 | PEDAL KIT, (includes items 14 & 16) | |
| 14 | N.S.S. | 1 | PEDAL SPRING | |
| 15 | 7026481 | 1 | PEDAL ARM | |
| 16 | N.S.S. | 1 | PEDAL PIN | |
| 17 | 0100011 | AR | LOCTITE 242 | |

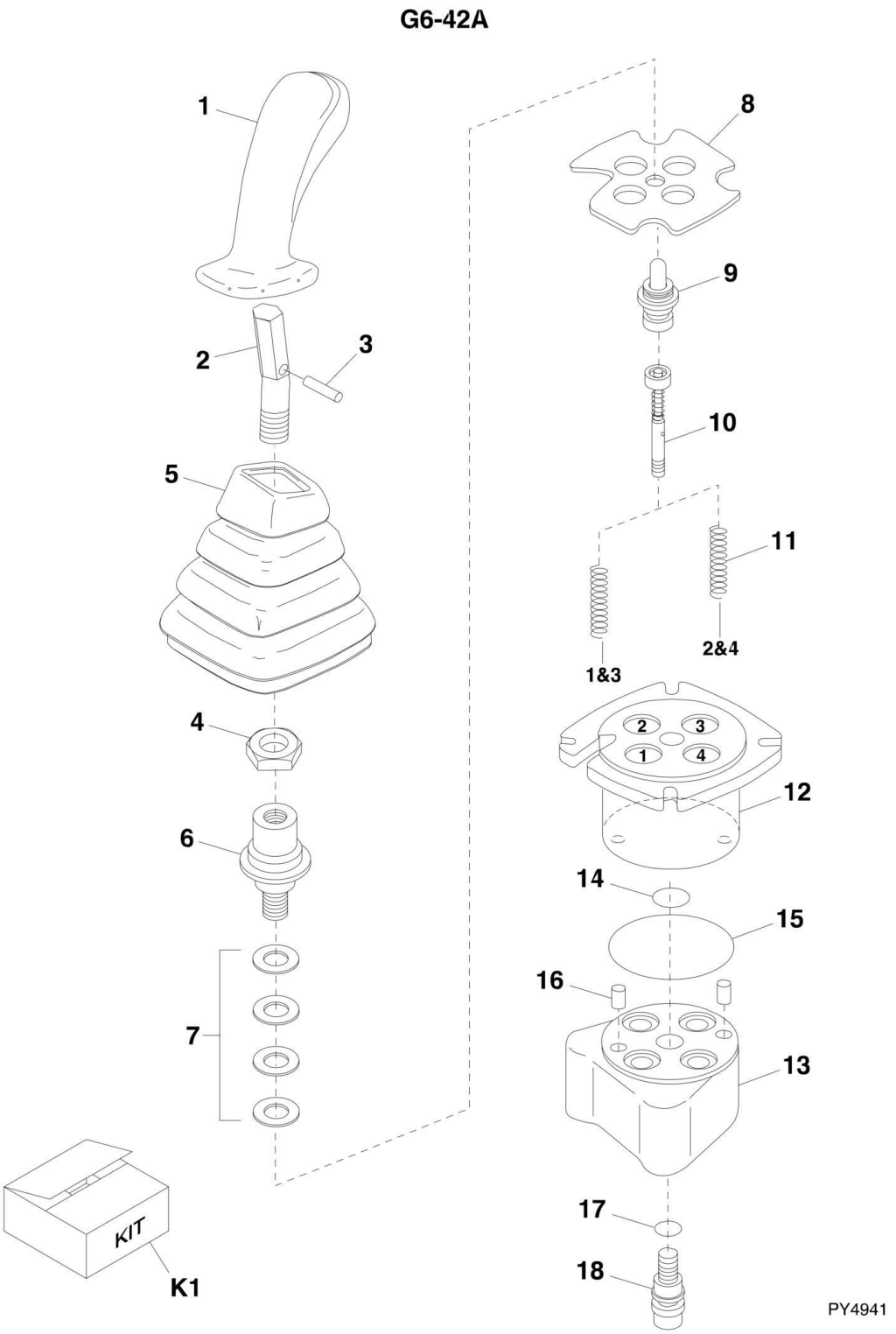
**FIGURE 7-3. STEERING COLUMN**



## FIGURE 7-3. STEERING COLUMN

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001001213 | 1 | STEERING CONTROL ASSY, (includes items 1 thru 6) | A |
| 1 | 2150808 | 4 | ELBOW, 45, (includes o-ring) | |
| 2 | 91513125 | 1 | STEERING COLUMN | |
| 2 | 70020923 | 1 | STEERING WHEEL NUT, (torque to 29-34 lb-ft/39-46 Nm) | |
| 3 | 91123126 | 1 | STEERING CONTROL VALVE | |
| 3 | 91144190 | 1 | STEERING CONTROL VALVE SEAL KIT | |
| 4 | 2130404 | 1 | ADAPTER, 90, (includes o-ring) | |
| 5 | 4761600 | 2 | LOCKWASHER | |
| 6 | 0641606 | 2 | HEX HD CAPSCREW, 3/8-16X3/4, GR5 | |
| 101 | 91563208 | 1 | STEERING WHEEL, (includes items 102 & 103) | |
| 102 | 7026477 | 1 | CENTER CAP | |
| 103 | 7026478 | 1 | SPINNER KNOB | |
| 201 | 91563226 | 1 | F-N-R SHIFTER, (includes items 202 & 203) | |
| 202 | N.S.S. | 1 | HEX HD CAPSCREW, (torque to 30-35 lb-ft/41-47 Nm) | |
| 203 | N.S.S. | 1 | CLAMP SET | |
| 301 | 0641608 | 2 | HEX HD CAPSCREW, 3/8-16X1, GR5 | |
| 302 | 4761600 | 2 | LOCKWASHER, 3/8 | |
| 303 | 0100011 | AR | LOCTITE 242 | |
| 401 | | Ref | SHIFTER DECAL, (See DECALS SECTION for Breakdown) | |

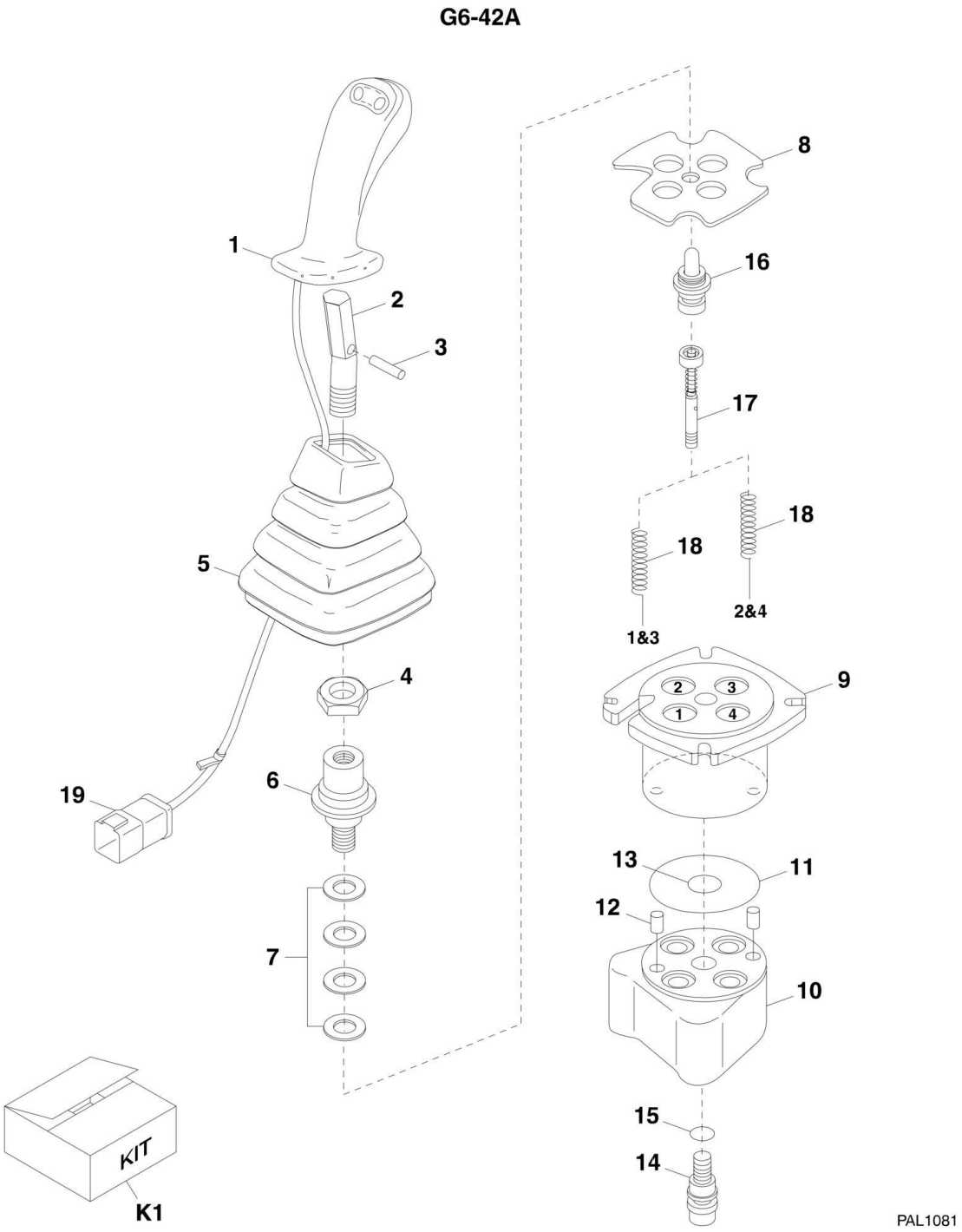
## FIGURE 7-4. BOOM JOYSTICK (G6-42A)



## FIGURE 7-4. BOOM JOYSTICK (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91403490 | Ref | JOYSTICK ASSY (if equipped), (includes all items) | A |
| 1 | 91404010 | 1 | GRIP | |
| 2 | 91404011 | 1 | BENT LEVER KIT, (includes items 3 & 4) | |
| 3 | N.S.S. | 1 | SPRING PIN | |
| 4 | N.S.S. | 1 | HEX NUT | |
| 5 | 80364095 | 1 | BOOT | |
| 6 | 80264138 | 1 | CARDAN KIT, (includes item 7) | |
| 7 | N.S.S. | 1 | SHIM | |
| 8 | 91404013 | 1 | RETAINING PLATE | |
| 9 | 80934498 | 4 | PLUNGER AND GUIDE KIT | |
| 10 | 91404327 | 4 | REGULATING UNIT | |
| 11 | 91504028 | 1 | SPRING, (ports 1 & 3), (pack of two) | |
| | 91504029 | 1 | SPRING, (ports 2 & 4), (pack of two) | |
| 12 | 91404016 | 1 | UPPER BODY, (includes item 13) | |
| 13 | N.S.S. | 1 | LOWER BODY | |
| 14 | Kit | 1 | O-RING | |
| 15 | Kit | 1 | O-RING | |
| 16 | Kit | 1 | DOWEL PIN | |
| 17 | Kit | 1 | O-RING | |
| 18 | Kit | 1 | SCREW ASSY | |
| K1 | 91404326 | AR | SEAL KIT, (includes items 14 thru 18) | |

## FIGURE 7-5. BOOM JOYSTICK (G6-42A)

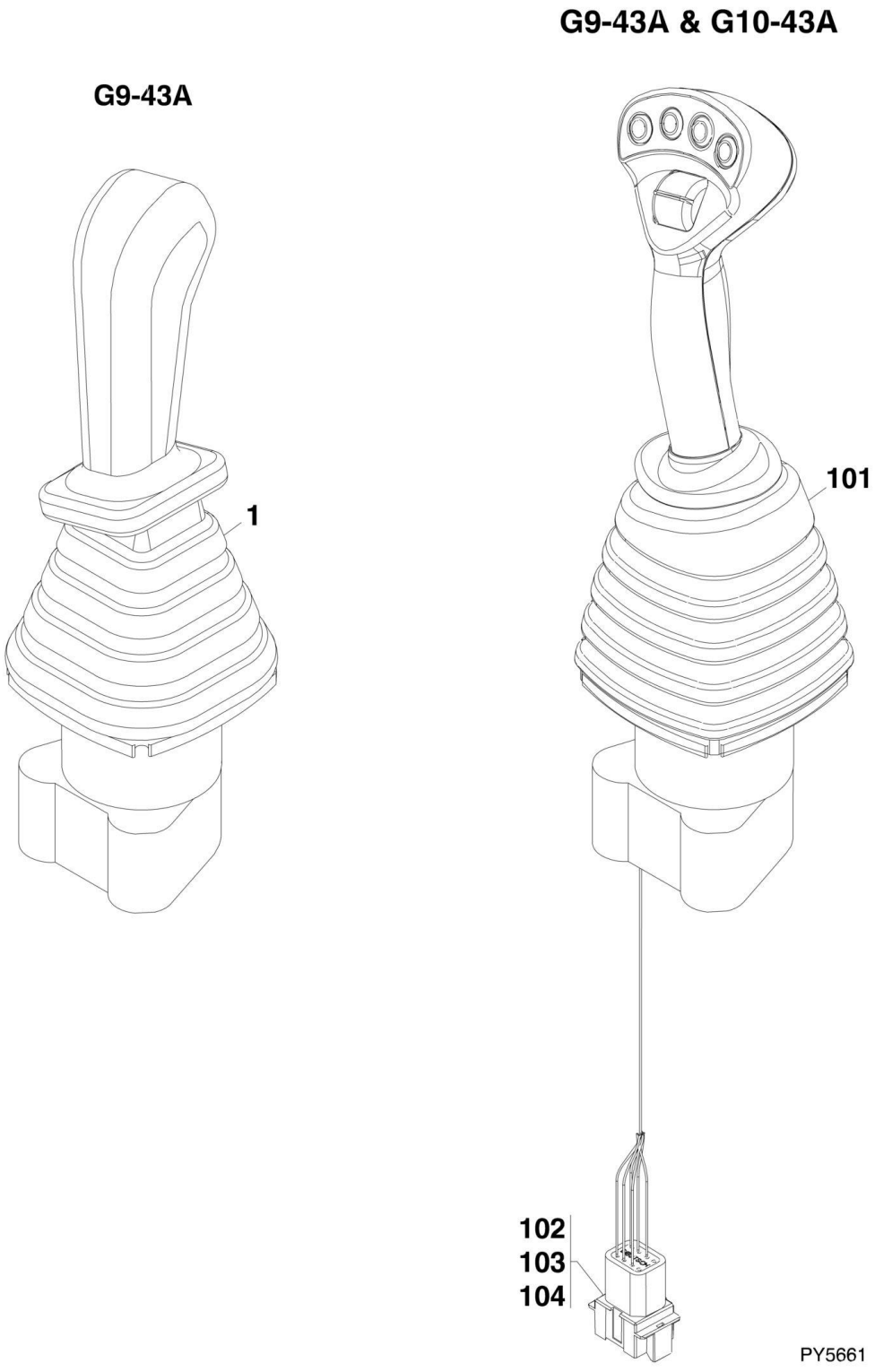



NOTE: THE JOYSTICK HANDLE SWITCH IS NOT A FIELD SERVICEABLE COMPONENT. ANY ATTEMPT BY NON-FACTORY AUTHORIZED PERSONNEL TO REPAIR OR REPLACE THE SWITCH WILL VOID THE WARRANTY AND CAN RESULT IN A JOYSTICK MALFUNCTION.

## FIGURE 7-5. BOOM JOYSTICK (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91403491 | Ref | BOOM JOYSTICK W/TILT (if equipped), (includes all items) | A |
| 1 | 91404325 | 1 | HANDLE W/WIRE AND CONNECTOR | |
| 2 | 91404011 | 1 | BENT LEVER KIT, (includes items 3 & 4) | |
| 3 | N.S.S. | 1 | SPRING PIN | |
| 4 | N.S.S. | 1 | HEX NUT | |
| 5 | 80364095 | 1 | BOOT | |
| 6 | 80264138 | 1 | CARDAN KIT, (includes item 7) | |
| 7 | N.S.S. | AR | SHIM | |
| 8 | 91404013 | 1 | RETAINING PLATE | |
| 9 | 91404016 | 1 | UPPER BODY, (includes item 10) | |
| 10 | N.S.S. | 1 | LOWER BODY | |
| 11 | Kit | 1 | O-RING | |
| 12 | Kit | 2 | DOWEL PIN | |
| 13 | Kit | 1 | O-RING | |
| 14 | Kit | 1 | SCREW ASSY | |
| 15 | Kit | 1 | O-RING | |
| 16 | 80934498 | 4 | PLUNGER AND GUIDE KIT | |
| 17 | 91404327 | 4 | REGULATING UNIT | |
| 18 | 91504028 | 1 | SPRING, (ports 1 & 3), (pack of two) | |
| 18 | 91504029 | 1 | SPRING, (ports 2 & 4), (pack of two) | |
| 19 | 80264139 | 1 | GROMMET W/CABLE TIE KIT | |
| K1 | 91404326 | AR | SEAL KIT, (includes items 11 thru 15) | |

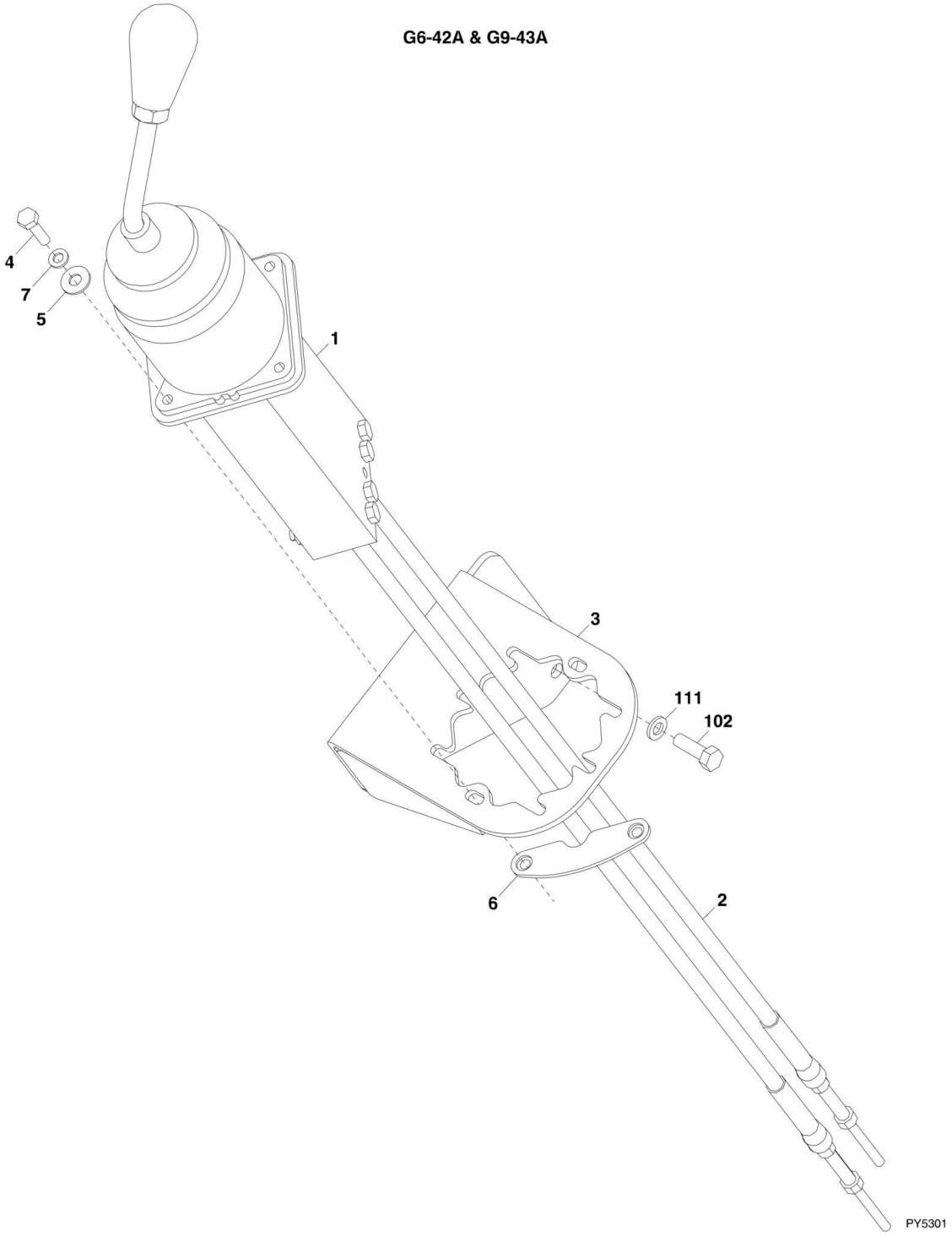
**FIGURE 7-6. BOOM JOYSTICK (G10-43A,G9-43A)**



## FIGURE 7-6. BOOM JOYSTICK (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 1001130050 | 1 | BOOM JOYSTICK (if equipped) (G9-43A) | A |
| 101 | 1001130045 | 1 | BOOM JOYSTICK WITH TILT, (if equipped) (includes items 102 thru 104) (G10-43A,G9-43A) | B |
| 102 | 70023500 | 1 | CONNECTOR | |
| 102 | 70023499 | 1 | WEDGE LOCK | |
| 103 | 4460917 | 6 | TERMINAL | |
| 104 | 4460518 | 2 | PLUG | |

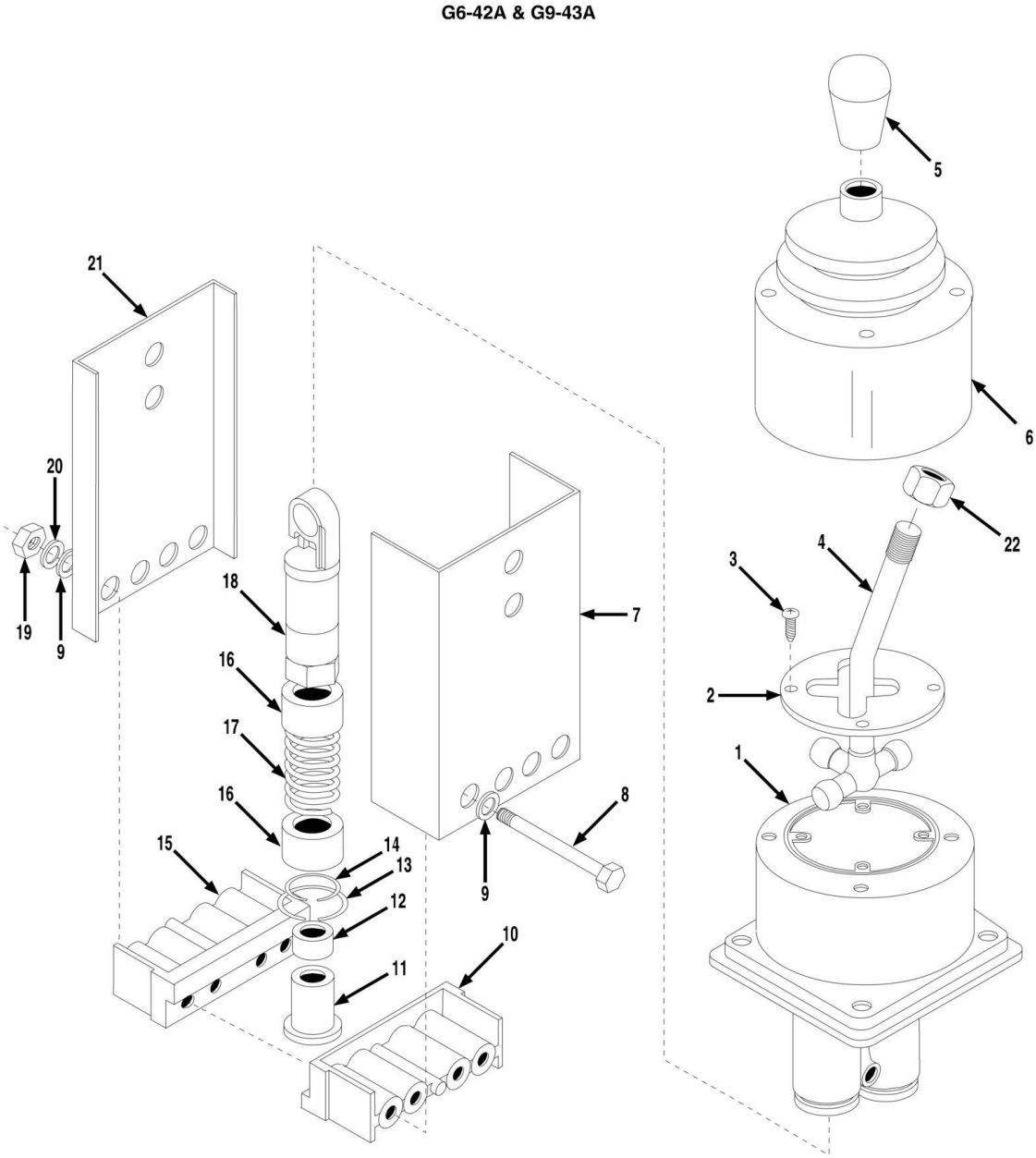
## FIGURE 7-7. TILT AND FRAME LEVEL JOYSTICK INSTALLATION (G6-42A,G9-43A)



## FIGURE 7-7. TILT AND FRAME LEVEL JOYSTICK INSTALLATION (G6-42A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91475033 | Ref | TILT AND FRAME LEVEL JOYSTICK INSTALLATION (if equipped), (not available to order, see items 1 thru 7 for service) | F |
| 1 | | Ref | TILT AND FRAME LEVEL JOYSTICK ASSY, (See TILT AND FRAME LEVEL JOYSTICK ASSEMBLY for Breakdown) | |
| 2 | 91473146 | 2 | CONTROL CABLE | |
| 3 | 91416013 | 1 | RH CONTROL BRACKET | |
| 4 | 88201006 | 4 | HEX HD CAPSCREW, 1/4-20X1-1/4, GR5 | |
| 5 | 88561107 | 4 | FLAT WASHER, 1/4 | |
| 6 | 91416017 | 2 | WELD NUT PLATE WELDMENT | |
| 7 | 88551009 | 4 | LOCKWASHER, 1/4 | |
| 102 | 0641508 | 3 | HEX HD CAPSCREW, 5/16-18X1, GR5 | |
| 111 | 4761500 | 3 | WASHER, 5/16 | |

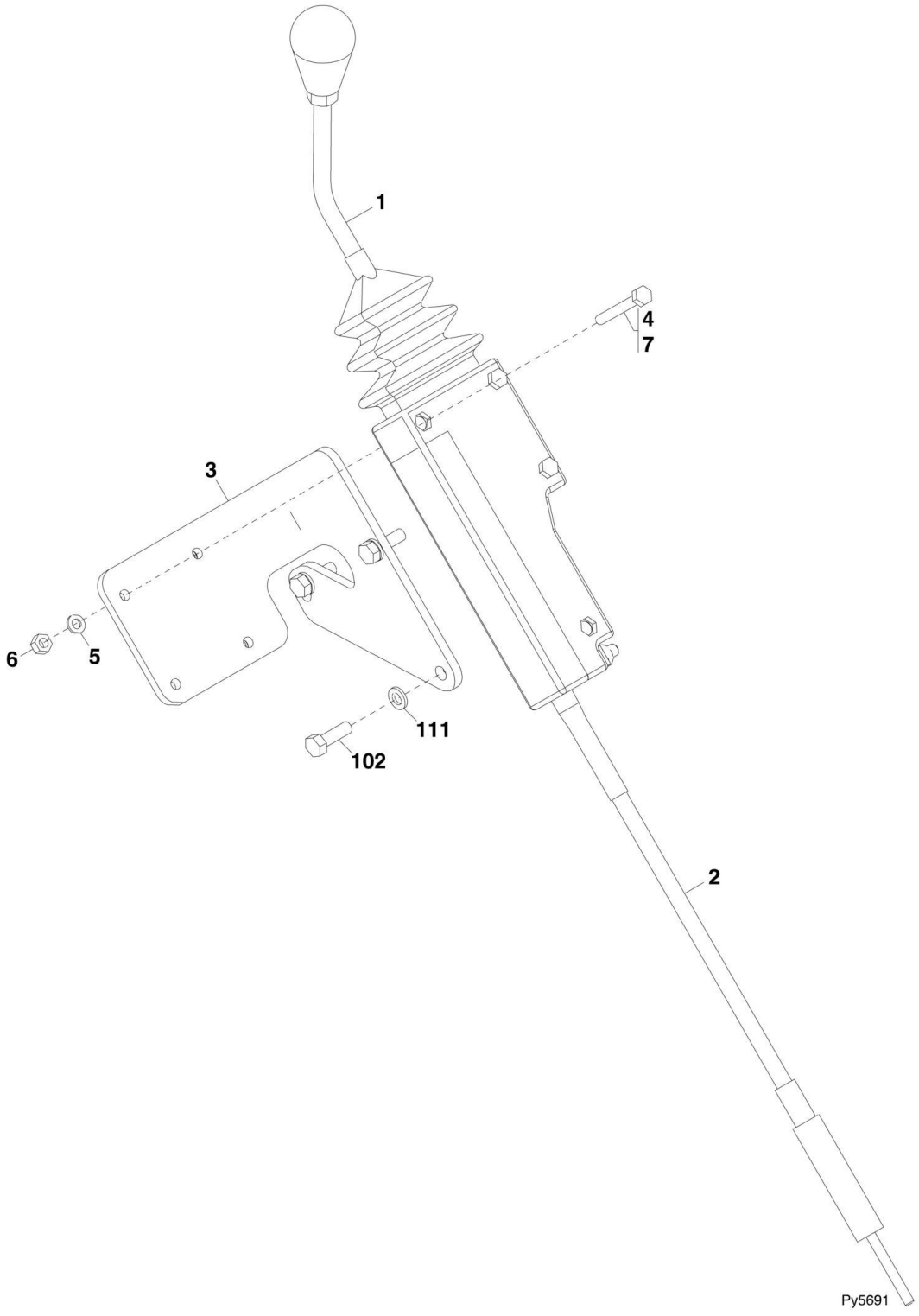
## FIGURE 7-8. TILT AND FRAME LEVEL JOYSTICK ASSEMBLY (G6-42A,G9-43A)



## FIGURE 7-8. TILT AND FRAME LEVEL JOYSTICK ASSEMBLY (G6-42A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91403178 | 1 | TILT AND FRAME LEVEL JOYSTICK ASSY (if equipped), (includes all items) | G |
| 1 | 91404207 | 1 | HOUSING | |
| 2 | 91404088 | 1 | RESTRICTOR PLATE | |
| 3 | 91404089 | 4 | SELF-TAPPING SCREW, 10X3/4 | |
| 4 | 91404208 | 1 | INPUT LEVER ASSY | |
| 5 | 91404091 | 1 | KNOB | |
| 6 | 8160419 | 1 | BOOT | |
| 7 | 91404093 | 1 | HOUSING, (outer) | |
| 8 | 91404094 | 6 | HEX HD CAPSCREW | |
| 9 | 91404095 | 12 | FLAT WASHER | |
| 10 | 91404096 | 1 | CABLE ANCHOR, (inner) | |
| 11 | 91404097 | 2 | CABLE LOCK SCREW | |
| 12 | 91404098 | 2 | CABLE BUSHING | |
| 13 | 91404099 | 2 | RETAINING RING | |
| 14 | 91404100 | 2 | RETAINING RING | |
| 15 | 91404101 | 1 | CABLE ANCHOR, (outer) | |
| 16 | 91404102 | 4 | BUSHING | |
| 17 | 91404103 | 2 | SPRING | |
| 18 | 91404209 | 2 | SLIDER ASSY | |
| 19 | 91404105 | 6 | HEX NUT, 1/4-20 | |
| 20 | 91404106 | 6 | LOCKWASHER | |
| 21 | 91404107 | 1 | HOUSING, (inner) | |
| 22 | 91404210 | 1 | JAM NUT | |

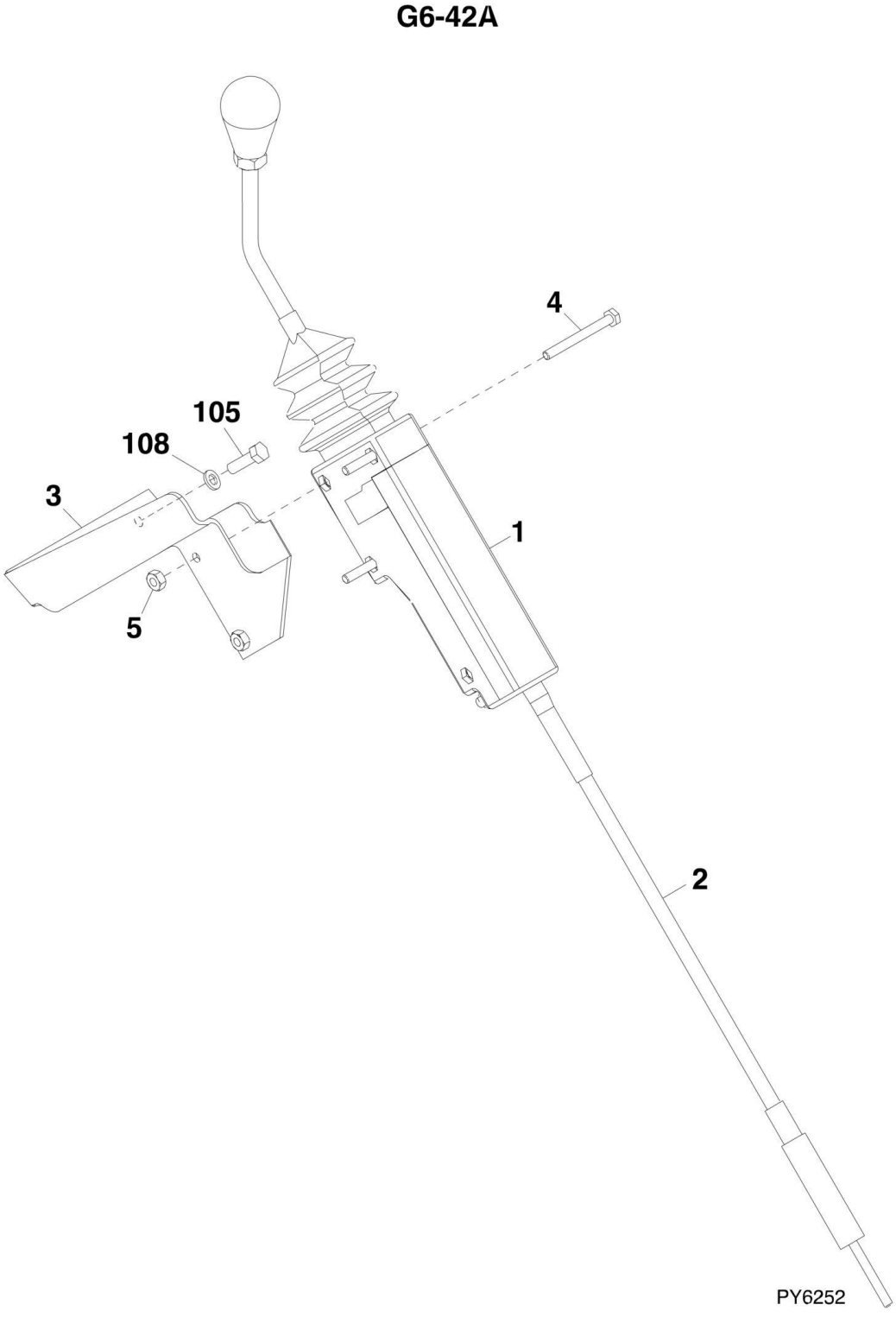
## FIGURE 7-9. FRAME LEVEL JOYSTICK INSTALLATION



## FIGURE 7-9. FRAME LEVEL JOYSTICK INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91515047 | Ref | FRAME LEVEL JOYSTICK INSTALLATION (if equipped) (not available to order, see items 1 thru 7 for service) | E |
| 1 | 91513204 | 1 | SINGLE VALVE CONTROL | |
| 2 | 91473146 | 1 | CABLE | |
| 3 | 1001092843 | 1 | BRACKET | |
| 4 | 0641416 | 3 | HEX HD CAPSCREW, 1/4-20X2 | |
| 5 | 4761400 | 3 | LOCKWASHER, 1/4 | |
| 6 | 3311401 | 3 | HEX NUT, 1/4-20, GR2 | |
| 7 | 0100011 | AR | LOCTITE 242 | |
| 102 | 0641508 | 3 | HEX HD CAPSCREW, 5/16-18X1, GR5 | |
| 111 | 4761500 | 3 | WASHER, 5/16 | |

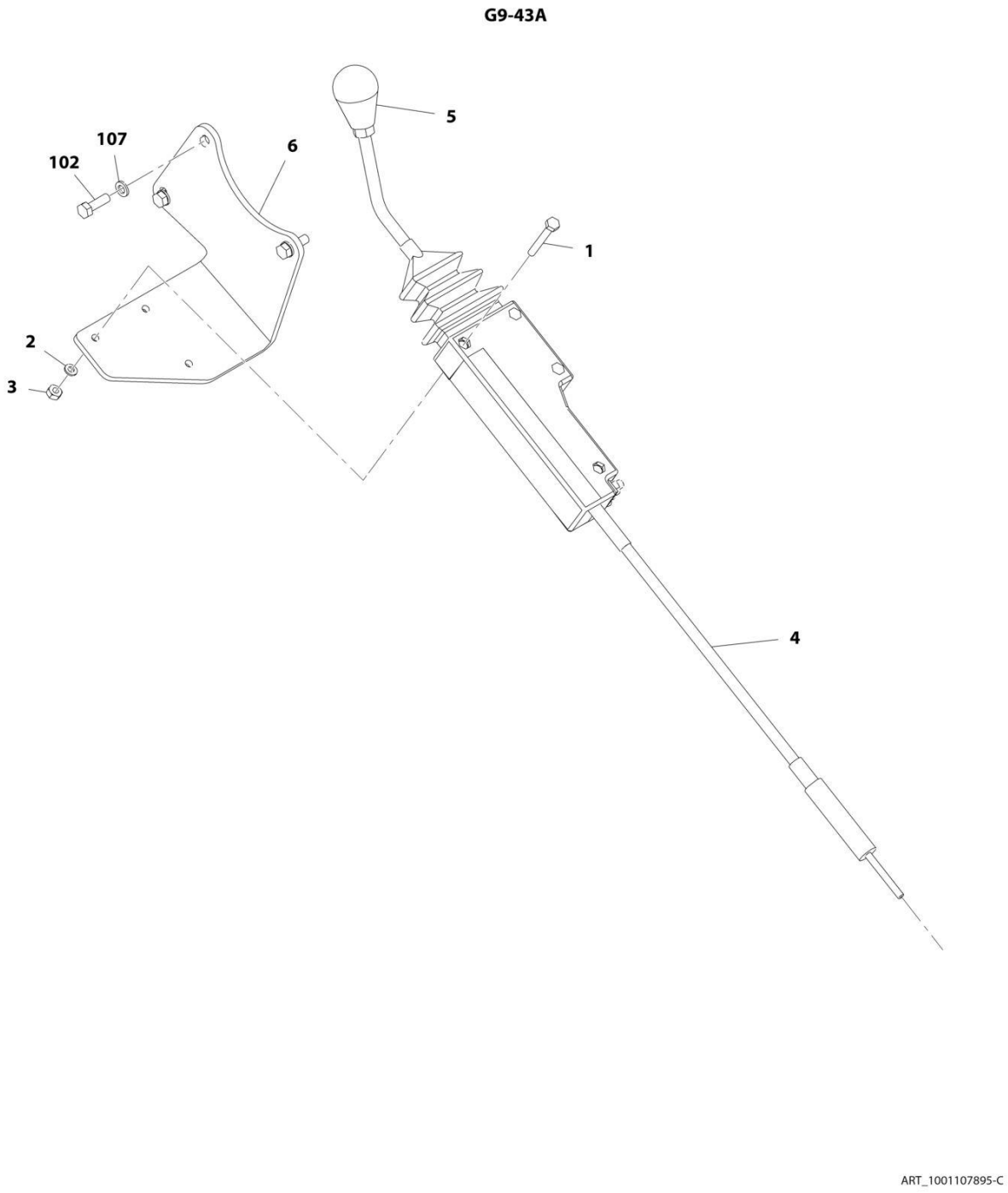
**FIGURE 7-10. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION (G6-42A)**



## FIGURE 7-10. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001091320 | Ref | AUXILIARY HYDRAULIC JOYSTICK INSTALLATION (not available to order, see items 1 thru 5 for service) | A |
| 1 | 91403273 | 1 | JOYSTICK ASSY | |
| 2 | 91473088 | 1 | CABLE | |
| 3 | 1001091157 | 1 | LH BRACKET | |
| 4 | 88201011 | 3 | HEX HD CAPSCREW, 1/4-20X2-1/2 | |
| 5 | 88501004 | 3 | HEX NUT, 1/4-20 | |
| 105 | 0641808 | 2 | HEX HD CAPSCREW, 1/2-13X1, GR5 | |
| 108 | 4711800 | 2 | WASHER, 1/2 | |

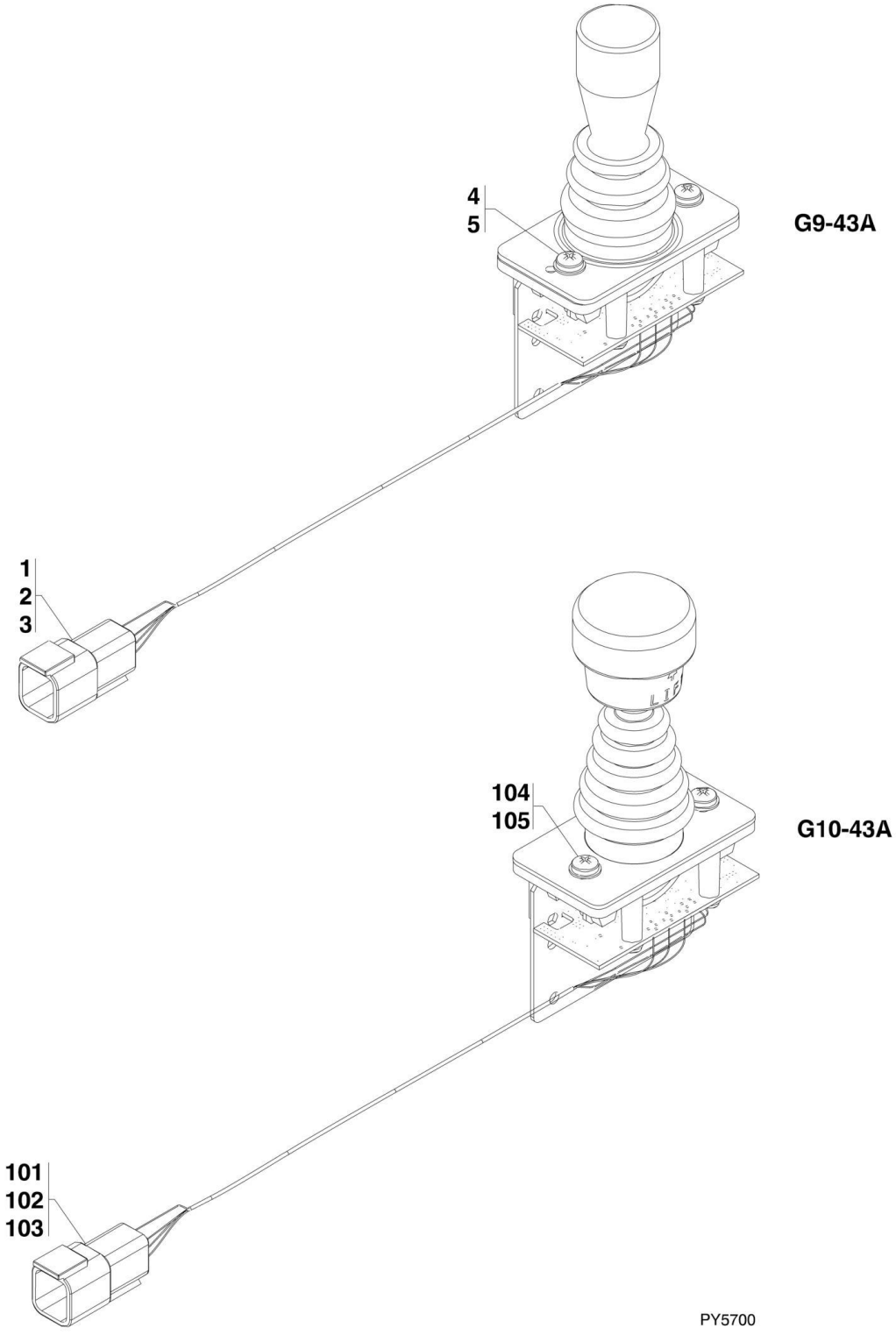
## FIGURE 7-11. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION (G9-43A)



## FIGURE 7-11. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION (G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107895 | Ref | AUXILIARY HYDRAULIC JOYSTICK INSTALLATION (if equipped), (not available to order, see items 1 thru 6 for service) | C |
| 1 | 0641416 | 3 | HEX HD CAPSCREW, 1/4-20X2, GR5 | |
| 2 | 4761400 | 3 | LOCKWASHER, 1/4 | |
| 3 | 88501004 | 3 | HEX NUT, 1/4-20, GR2 | |
| 4 | 91473146 | 1 | CABLE | |
| 5 | 91513204 | 1 | SINGLE VALVE CONTROL JOYSTICK ASSY | |
| 6 | 1001107955 | 1 | BRACKET | |
| 102 | 0641508 | 3 | HEX HD CAPSCREW, 5/16-18X1, GR5 | |
| 107 | 4761500 | 3 | WASHER, 5/16 | |

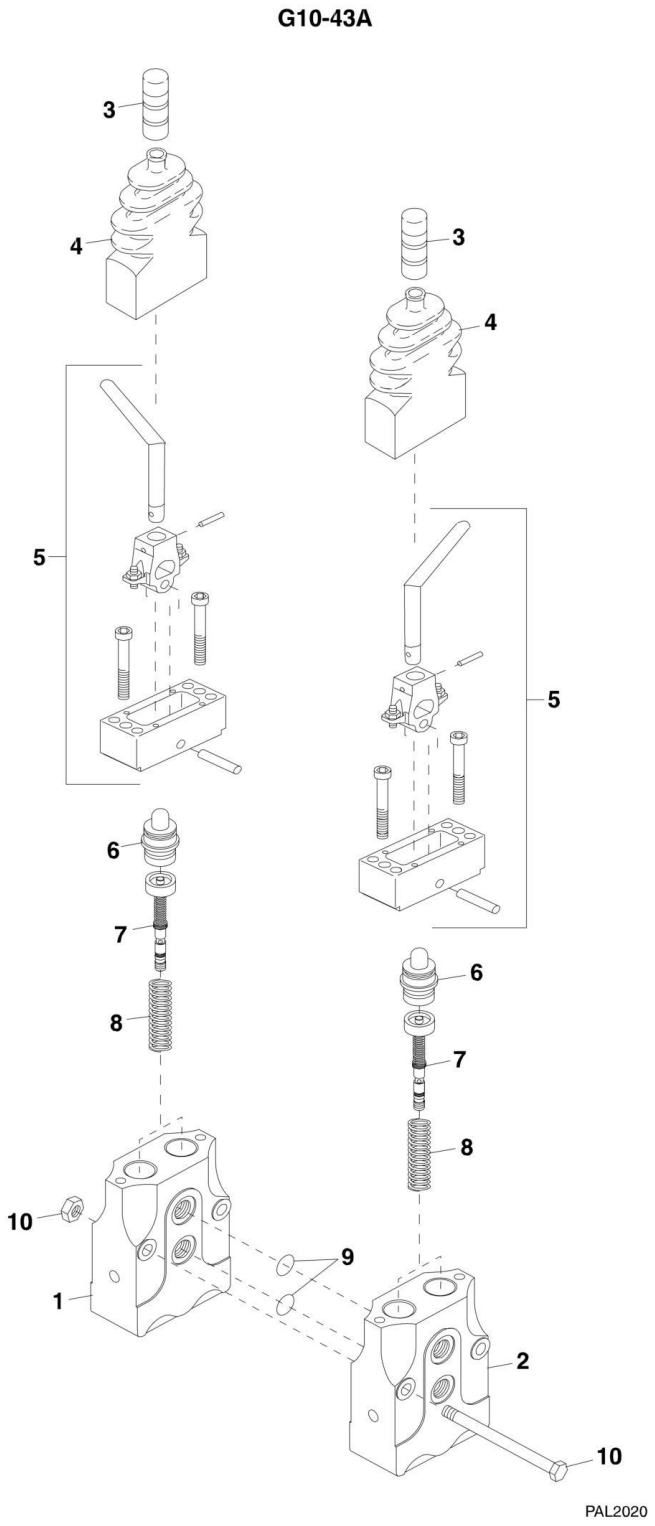
## FIGURE 7-12. ELECTRIC AUXILIARY HYDRAULIC JOYSTICK (G10-43A,G9-43A)



## FIGURE 7-12. ELECTRIC AUXILIARY HYDRAULIC JOYSTICK (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001106508 | 1 | ELECTRIC AUXILIARY HYDRAULIC JOYSTICK (if equipped), (includes items 1 thru 5) (G9-43A) | A |
| 1 | 4461217 | 1 | CONNECTOR (G9-43A) | |
| 1 | 70020823 | 1 | WEDGE LOCK (G9-43A) | |
| 2 | 4460917 | 5 | TERMINAL (G9-43A) | |
| 3 | 4460518 | 1 | PLUG (G9-43A) | |
| 4 | N.S.S. | 2 | PAN HD CAPSCREW, M5X12 (G9-43A) | |
| 5 | N.S.S. | 2 | PLASTIC WASHER, 10 (G9-43A) | |
| | 1001131806 | 1 | ELECTRIC AUXILIARY HYDRAULIC JOYSTICK (includes items 101 thru 105) (G10-43A) | A |
| 101 | 4461217 | 1 | CONNECTOR (G10-43A) | |
| 101 | 70020823 | 1 | WEDGE LOCK (G10-43A) | |
| 102 | 4460917 | 5 | TERMINAL (G10-43A) | |
| 103 | 4460518 | 1 | PLUG (G10-43A) | |
| 104 | N.S.S. | 2 | PAN HD CAPSCREW, M5X12 (G10-43A) | |
| 105 | N.S.S. | 2 | PLASTIC WASHER, 10 (G10-43A) | |

## FIGURE 7-13. OUTRIGGER CONTROLLER (G10-43A)

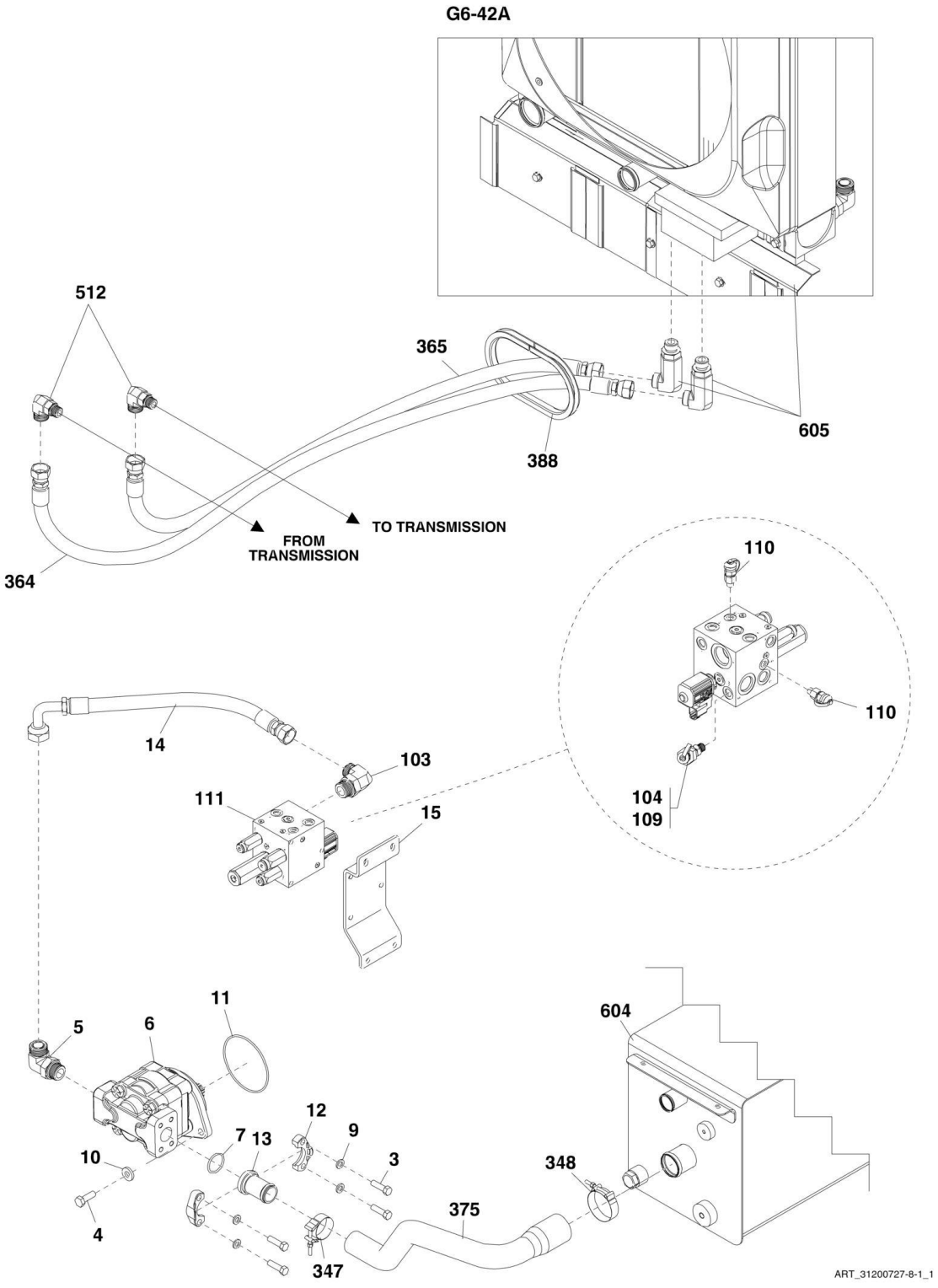


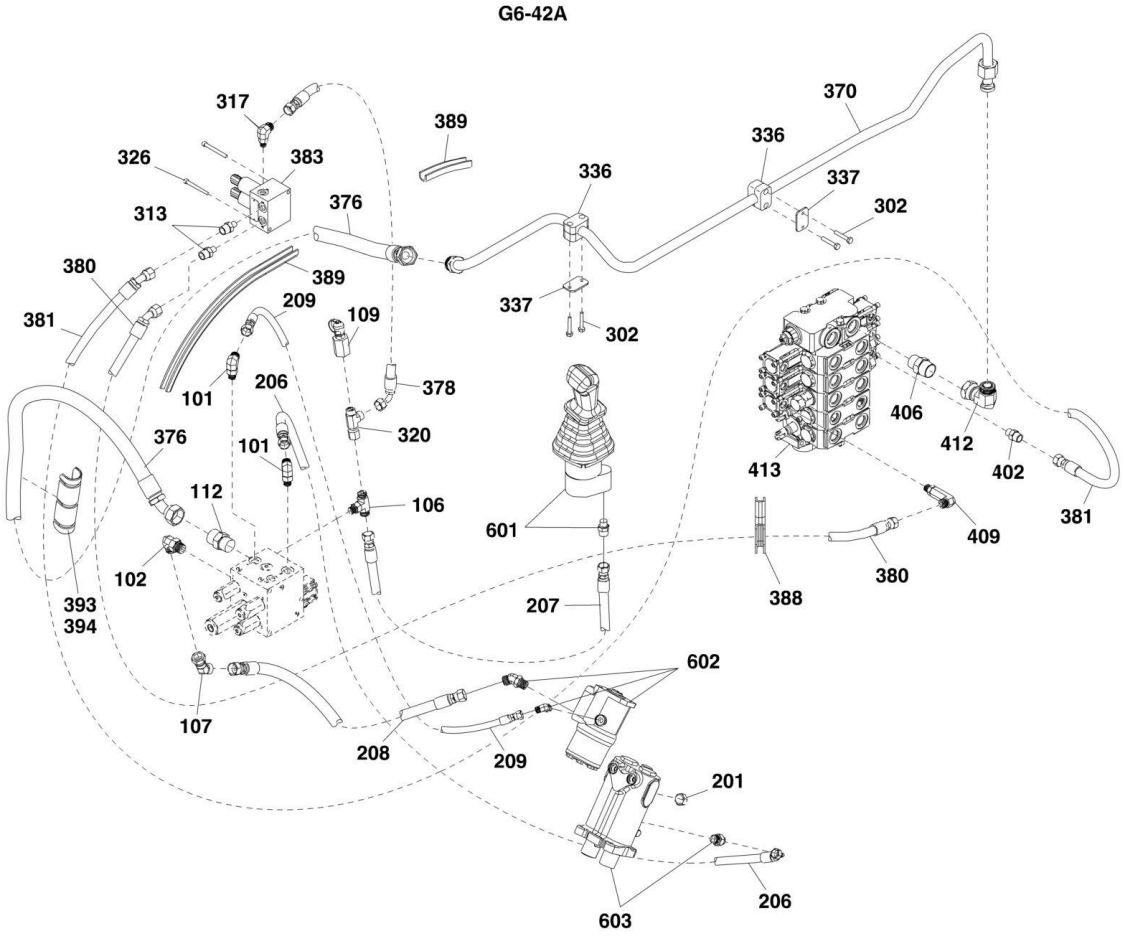
## FIGURE 7-13. OUTRIGGER CONTROLLER (G10-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91563200 | 1 | OUTRIGGER CONTROLLER (includes all items) | A |
| 1 | 91563201 | 1 | HYDRAULIC CONTROLLER, (includes one each of items 3 thru 8) | |
| 2 | 7026741 | 1 | HYDRAULIC CONTROLLER, (includes one each of items 3 thru 8) | |
| 3 | 91504030 | 2 | GRIP | |
| 4 | 91504031 | 2 | RUBBER BOOT | |
| 5 | 7026739 | 2 | LEVER OPERATION KIT | |
| 6 | 80934498 | 2 | PLUNGER KIT | |
| 7 | 7026740 | 2 | REGULATING UNIT KIT | |
| 8 | 91504029 | 2 | RETURN SPRING | |
| 9 | 7026742 | 2 | O-RING | |
| 10 | 7026743 | 1 | BOLT AND NUT KIT | |

# SECTION 8 - HYDRAULIC CIRCUITS

## FIGURE 8-1. SUPPLY CIRCUIT (G6-42A)



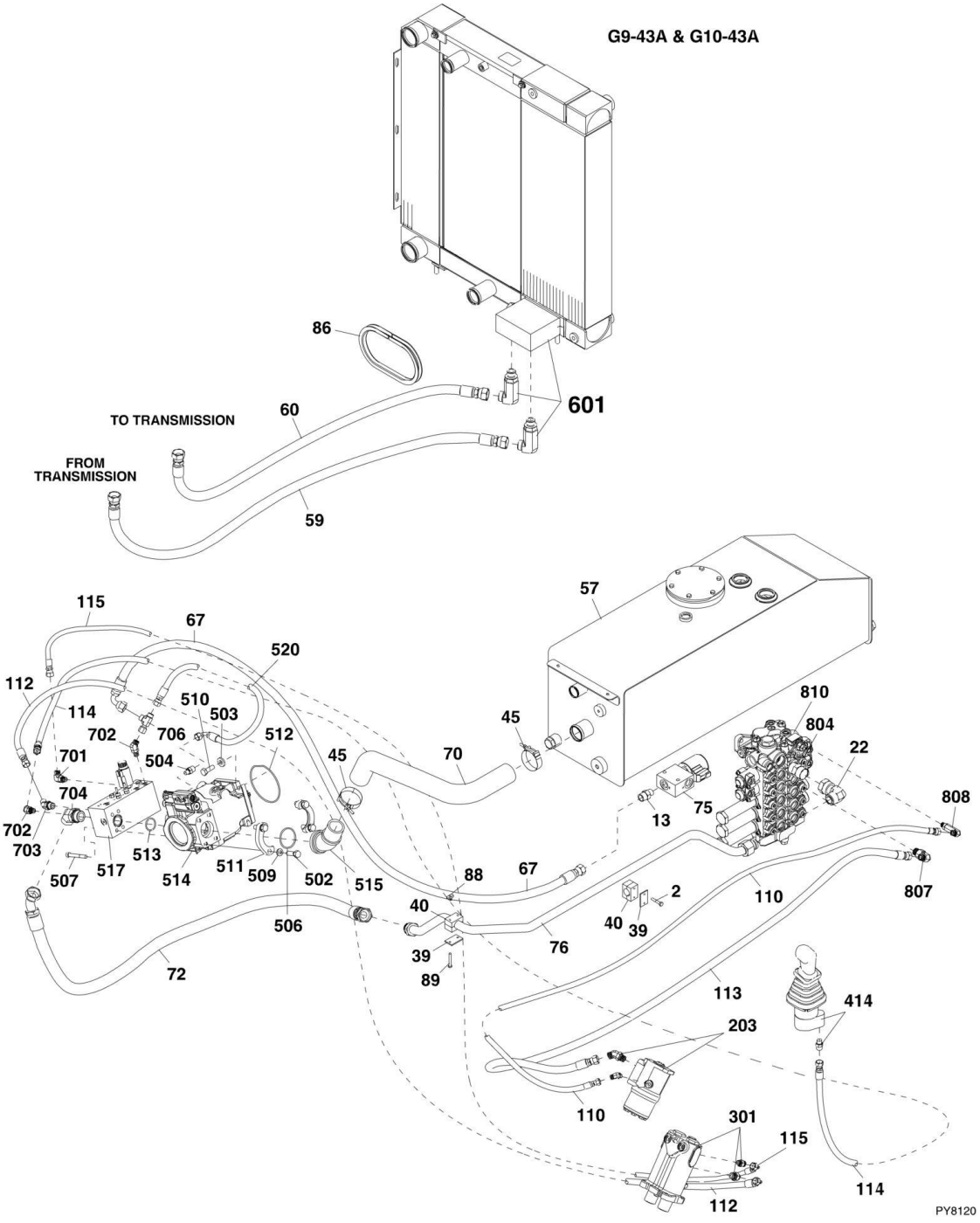

G6-42A
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393
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601
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380
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406
412
402
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201
206
603
ART_31200727-8-1_2

## FIGURE 8-1. SUPPLY CIRCUIT (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 3 | 0681712 | 4 | HEX HD CAPSCREW, 7/16-14X1-1/2, GR8, (torque to 50 lb-ft/68 Nm) | |
| 4 | 0701215 | 3 | HEX HD CAPSCREW, M12X35, GR8.8, (torque to 64.9 lb-ft/88 Nm) | |
| 5 | 2131616 | 1 | ADAPTER, 90, (includes o-ring) | |
| 6 | | Ref | HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 7 | 3790222 | 1 | O-RING | |
| 9 | 4761700 | 4 | WASHER, 7/16 | |
| 10 | 4891800 | 3 | WASHER, 1/2 | |
| 11 | 8630019 | 1 | O-RING | |
| 12 | 84711334 | 2 | HALF FLANGE | |
| 13 | 1001103997 | 1 | TUBE ADAPTER | |
| 14 | 1001134948 | 1 | HOSE ASSEMBLY | |
| 15 | | Ref | BRACKET, (See DUMP CIRCUIT for Breakdown) | |
| 101 | 2130606 | 3 | ADAPTER, 90, (includes o-ring) | |
| 102 | 2130808 | 1 | ADAPTER, 90, (includes o-ring) | |
| 103 | 2131216 | 1 | ADAPTER, 90, (includes o-ring) | |
| 104 | 2150606 | 2 | ADAPTER, 45, (includes o-ring) | |
| 106 | 2170406 | 1 | TEE FITTING, (includes o-ring) | |
| 107 | 2221231 | 1 | ADAPTER, 45, (includes o-ring) | |
| 109 | 88662546 | 1 | DIAGNOSTIC ADAPTER | |
| 110 | 91053020 | 2 | TEST PORT | |
| 111 | | Ref | PRIORITY VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 112 | 2111212 | 1 | STRAIGHT FITTING, (includes o-ring) | |
| 201 | 2170906 | 1 | CAP | |
| 206 | 1001134975 | 1 | HOSE ASSEMBLY | |
| 207 | 1001134977 | 1 | HOSE ASSEMBLY | |
| 208 | 1001134978 | 1 | HOSE ASSEMBLY | |
| 209 | 1001134985 | 1 | HOSE ASSEMBLY | |
| 302 | 0641412 | 4 | HEX HD CAPSCREW, 1/4-20X1-1/2, GR5 | |
| 313 | 2110604 | 2 | STRAIGHT FITTING, (if equipped with tilt on joystick), (includes o-ring) | |
| 317 | 2130604 | 1 | ADAPTER, 90, (if equipped with tilt on joystick), (includes o-ring) | |
| 320 | 2170706 | 1 | ADAPTER, RUN TEE, (if equipped with tilt on joystick), (includes o-ring) | |
| 326 | 3931436 | 2 | SOCKET HD CAPSCREW, 1/4-20X2-1/4, (if equipped with tilt on joystick) | |
| 336 | 8769152 | 2 | CLAMP SET | |
| 337 | 8769153 | 2 | COVER PLATE | |
| 347 | 90028695 | 1 | HEAVY DUTY BAND CLAMP | |
| 348 | 90028720 | 1 | HEAVY DUTY BAND CLAMP, (torque to 40-50 lb-in/4.51-5.64 Nm) | |
| 364 | 1001125119 | 1 | HOSE ASSY | |
| 365 | 1001125128 | 1 | HOSE ASSY | |
| 370 | 1001142649 | 1 | TUBE ASSY | |
| 375 | 1001134947 | 1 | HOSE ASSY | |
| 376 | 1001134968 | 1 | HOSE ASSY | |
| 378 | 1001135864 | 1 | HOSE ASSEMBLY, (if equipped with tilt on joystick) | |
| 380 | 1001135932 | 1 | HOSE ASSY, (if equipped with tilt on joystick) | |
| 381 | 1001135934 | 1 | HOSE ASSY, (if equipped with tilt on joystick) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 383 | | Ref | TILT VALVE SOLENOID, (if equipped with tilt on joystick), (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 388 | 90206203 | 57 in | TRIM-LOK | |
| 389 | 91143220 | 23 in | PVC VINYL TRIM | |
| 389 | 91143220 | 30 in | PVC VINYL TRIM, (if equipped with tilt on joystick) | |
| 393 | 7301536 | 1 | HOSE GUARD | |
| 394 | 4240033 | 3 | WIRE TIE | |
| 402 | 2110606 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 406 | 2111212 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 409 | 2170206 | 1 | ADAPTER, 90, (long), (includes o-ring) | |
| 412 | 2172112 | 1 | ADAPTER, 90, (includes o-ring) | |
| 413 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 512 | | Ref | ADAPTER, 90, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown) | |
| 601 | | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 602 | | Ref | STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown) | |
| 603 | | Ref | BRAKE VALVE, (See CONTROLS SECTION for Breakdown) | |
| 604 | | Ref | HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 605 | | Ref | RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown) | |

## FIGURE 8-2. SUPPLY CIRCUIT (G10-43A,G9-43A)



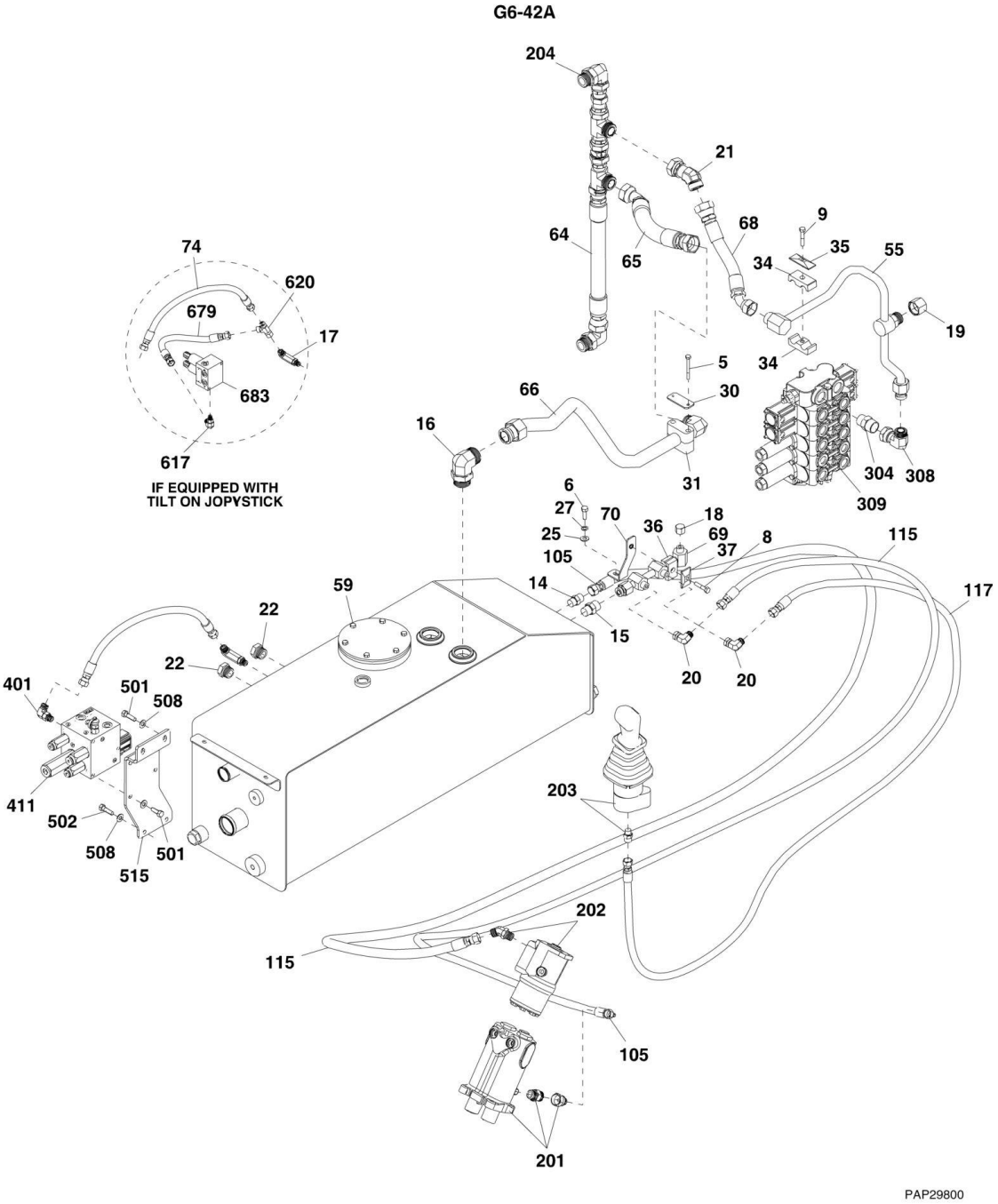
## FIGURE 8-2. SUPPLY CIRCUIT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 2 | 0641412 | 2 | HEX HD CAPSCREW, 1/4-20X1-1/2, GR5 | |
| 13 | 2110606 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 22 | 2172116 | 1 | ADAPTER, 90, (includes o-ring) | |
| 39 | 77133052 | 2 | COVER PLATE | |
| 40 | 77133073 | 2 | CLAMP | |
| 45 | 90028720 | 2 | HEAVY DUTY BAND CLAMP, (torque to 45-50 lb-in/5.08-5.64 Nm) | |
| 57 | | Ref | HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 59 | 1001125119 | 1 | HOSE ASSY | |
| 60 | 1001125128 | 1 | HOSE ASSY | |
| 67 | 1001130213 | 1 | HOSE ASSY | |
| 70 | 1001132162 | 1 | SUCTION HOSE | |
| 72 | 1001132579 | 1 | HOSE ASSY | |
| 75 | | Ref | PRESSURE REDUCING VALVE, (See DUMP CIRCUIT for Breakdown) | |
| 76 | 1001148109 | 1 | HYDRAULIC PRESSURE PIPE | |
| 86 | 90206203 | 57 in | TRIM-LOK | |
| 88 | 8750044 | 2 | RAIL NUT, M6 | |
| 89 | 0700617 | 2 | HEX HD CAPSCREW, M6X45, GR8.8 | |
| 110 | 1001137208 | 1 | HOSE ASSY | |
| 112 | 1001105622 | 1 | HOSE ASSY | |
| 113 | 1001105627 | 1 | HOSE ASSY | |
| 114 | 1001105631 | 1 | HOSE ASSY | |
| 115 | 1001149242 | 1 | HOSE ASSY | |
| 203 | | Ref | STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown) | |
| 301 | | Ref | BRAKE VALVE, (See CONTROLS SECTION for Breakdown) | |
| 414 | | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 502 | 0641812 | 4 | HEX HD CAPSCREW, 1/2-13X1-1/2, GR5 | |
| 503 | 0701215 | 4 | HEX HD CAPSCREW, M12X35, GR8.8 | |
| 504 | 2110604 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 506 | 3790228 | 1 | O-RING | |
| 507 | 3931648 | 4 | SOCKET HD CAPSCREW, 3/8-16X3, (torque to 35 lb-ft/47.45 Nm) | |
| 509 | 4761800 | 4 | LOCKWASHER, 1/2 | |
| 510 | 4891800 | 4 | WASHER, 1/2 | |
| 511 | 8546407 | 2 | FLANGE HALF | |
| 512 | 8630019 | 1 | O-RING | |
| 513 | 91083106 | 1 | O-RING | |
| 514 | | Ref | HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 515 | 1001107814 | 1 | ADAPTER, 45 | |
| 517 | | Ref | HYDRAULIC MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 520 | 1001116005 | 1 | HOSE ASSY | |
| 601 | | Ref | RADIATOR ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown) | |
| 701 | 2130606 | 1 | ADAPTER, 90, (includes o-ring) | |
| 702 | 2150606 | 2 | ADAPTER, 45, (includes o-ring) | |
| 703 | 2150608 | 1 | ADAPTER, 45, (includes o-ring) | |
| 704 | 2151616 | 1 | ADAPTER, 45, (includes o-ring) | |
| 706 | 2170706 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |

# SECTION 8 - HYDRAULIC CIRCUITS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 804 | 2111616 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 807 | 2130810 | 1 | ADAPTER, 90, (long), (includes o-ring) | |
| 808 | 2170206 | 1 | ADAPTER, 90, (includes o-ring) | |
| 810 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |

## FIGURE 8-3. DUMP CIRCUIT (G6-42A)



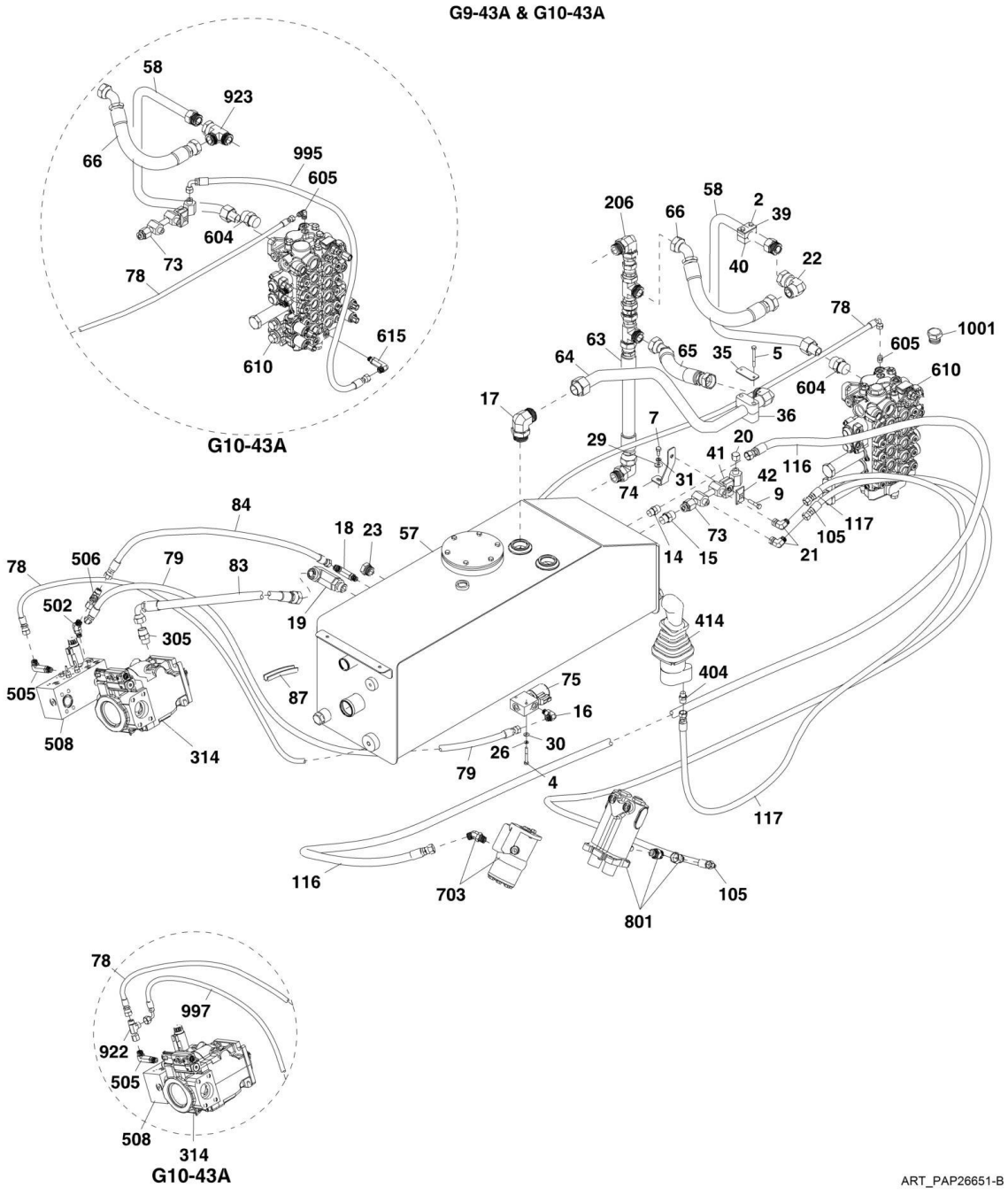
## FIGURE 8-3. DUMP CIRCUIT (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 5 | 0641420 | 2 | HEX HD CAPSCREW, 1/4-20X2-1/2, GR5 | |
| 6 | 0641506 | 1 | HEX HD CAPSCREW, 5/16-18X3/4, GR5 | |
| 8 | 0641512 | 1 | HEX HD CAPSCREW, 5/16-18X1-1/2, GR5 | |
| 9 | 0641514 | 1 | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5 | |
| 14 | 2110808 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 15 | 2111010 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 16 | 2132020 | 1 | ADAPTER, 90, (includes o-ring) | |
| 17 | 2170206 | 1 | ADAPTER, 90, (includes o-ring) | |
| 18 | 2170906 | 1 | ADAPTER, CAP | |
| 19 | 2170912 | 1 | ADAPTER, CAP | |
| 20 | 2172106 | 2 | ADAPTER, 90, (includes o-ring) | |
| 21 | 2172316 | 1 | ADAPTER, 45, (includes o-ring) | |
| 22 | 2220240 | 2 | ADAPTER, PLUG | |
| 25 | 4751500 | 1 | WASHER, 5/16 | |
| 27 | 4761500 | 1 | LOCKWASHER, 5/16 | |
| 30 | 8750001 | 1 | COVER PLATE | |
| 31 | 8750005 | 1 | CLAMP SET | |
| 34 | 77133136 | 1 | TWIN CLAMP | |
| 35 | 77133137 | 1 | CLAMP SET | |
| 36 | 77133139 | 1 | CLAMP SET | |
| 37 | 77133140 | 1 | COVER PLATE | |
| 55 | 1001106786 | 1 | HYDRAULIC PIPE | |
| 59 | | Ref | HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 64 | 1001130065 | 1 | HOSE ASSY | |
| 65 | 1001130126 | 1 | HOSE ASSY | |
| 66 | 1001132126 | 1 | HYDRAULIC RETURN PIPE | |
| 68 | 1001133267 | 1 | HOSE ASSY | |
| 69 | 1001133896 | 1 | HYDRAULIC RETURN PIPE | |
| 70 | 1001134142 | 1 | BRACKET | |
| 74 | 1001134969 | 1 | HOSE ASSY | |
| 105 | 1001134210 | 1 | HOSE ASSY | |
| 115 | 1001132112 | 1 | HOSE ASSY | |
| 117 | 1001132383 | 1 | HOSE ASSY | |
| 201 | | Ref | BRAKE VALVE, (See CONTROLS SECTION for Breakdown) | |
| 202 | | Ref | STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown) | |
| 203 | | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 204 | | Ref | RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown) | |
| 304 | 2111212 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 308 | 2172112 | 1 | ADAPTER, 90, (includes o-ring) | |
| 309 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 401 | 2130606 | 1 | ADAPTER, 90, (includes o-ring) | |
| 411 | | Ref | PRIORITY VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 501 | 0641608 | 5 | HEX HD CAPSCREW, 3/8-16X1, GR5 | |
| 502 | 0641610 | 2 | HEX HD CAPSCREW, 3/8-16X1-1/4, GR5 | |
| 508 | 4711600 | 7 | WASHER, 3/8 | |
| 515 | 1001134990 | 1 | VALVE MOUNT PLATE | |

# SECTION 8 - HYDRAULIC CIRCUITS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 617 | 2130604 | 1 | ADAPTER, 90, (includes o-ring), (if equipped with tilt on joystick) | |
| 620 | 2170706 | 1 | ADAPTER, RUN TEE, (includes o-ring), (if equipped with tilt on joystick) | |
| 679 | 1001135904 | 1 | HOSE ASSY, (if equipped with tilt on joystick) | |
| 683 | | Ref | TILT VALVE SOLENOID, (if equipped with tilt on joystick) , (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |

## FIGURE 8-4. DUMP CIRCUIT (G10-43A,G9-43A)



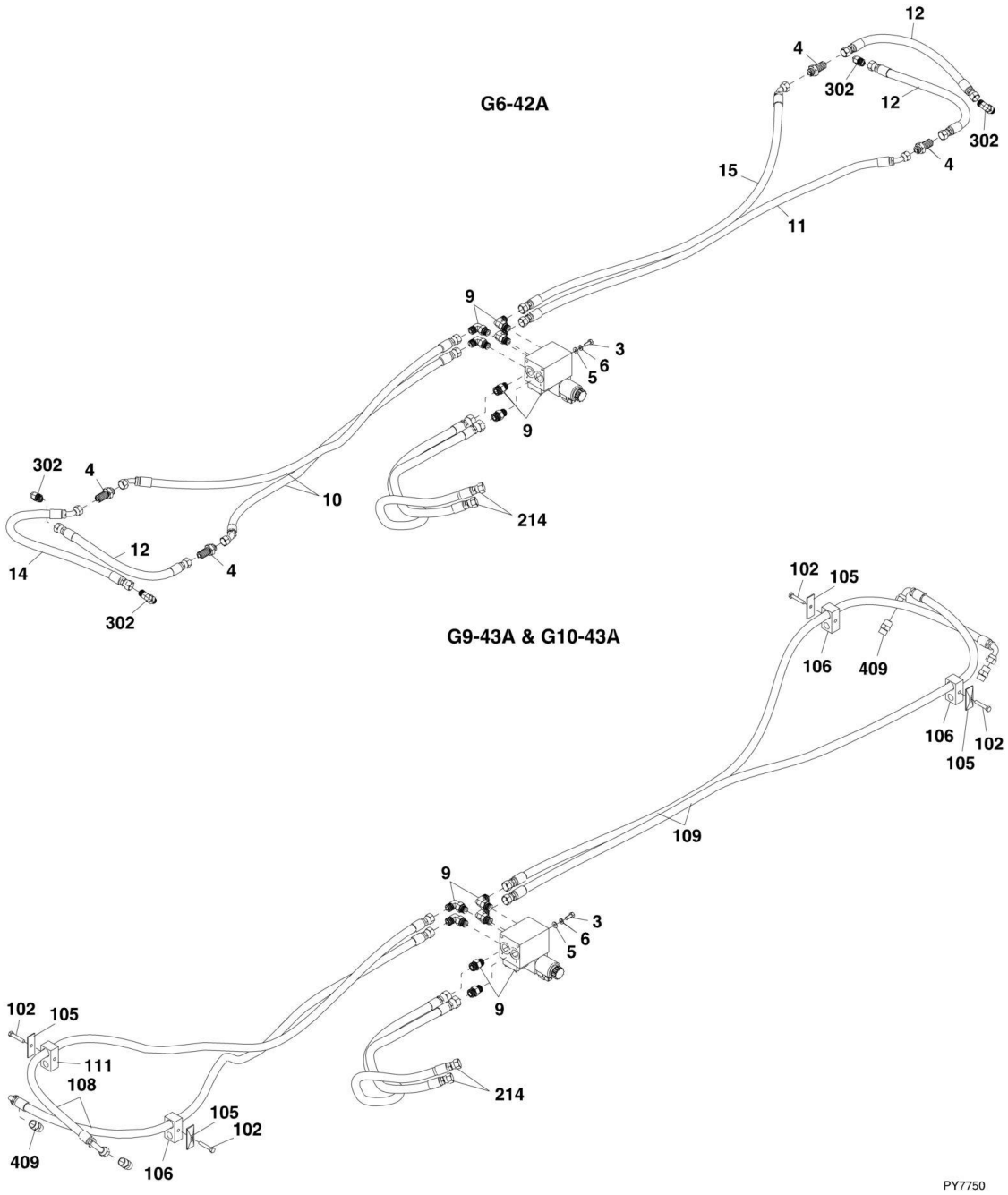
## FIGURE 8-4. DUMP CIRCUIT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 2 | 0641412 | 2 | HEX HD CAPSCREW, 1/4-20X1-1/2, GR5 | |
| 4 | 0641416 | 2 | HEX HD CAPSCREW, 1/4-20X2, GR5 | |
| 5 | 0641420 | 2 | HEX HD CAPSCREW, 1/4-20X2-1/2, GR5 | |
| 7 | 0641506 | 1 | HEX HD CAPSCREW, 5/16-18X3/4, GR5 | |
| 9 | 0641512 | 1 | HEX HD CAPSCREW, 5/16-18X1-1/2, GR5 | |
| 14 | 2110808 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 15 | 2111010 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 16 | 2130606 | 1 | ADAPTER, 90, (includes o-ring) | |
| 17 | 2132020 | 1 | ADAPTER, 90, (includes o-ring) | |
| 18 | 2170206 | 1 | ADAPTER, 90, (long), (includes o-ring) | |
| 19 | 2170212 | 1 | ADAPTER, 90, (long), (includes o-ring | |
| 20 | 2170906 | 1 | ADAPTER, CAP | |
| 21 | 2172106 | 2 | ADAPTER, 90, (includes o-ring) | |
| 22 | 2172116 | 1 | ADAPTER, 90, (includes o-ring) | |
| 23 | 2220240 | 1 | ADAPTER, PLUG | |
| 26 | 4711400 | 2 | WASHER | |
| 29 | 4751500 | 1 | WASHER, 5/16 | |
| 30 | 4761400 | 2 | LOCKWASHER, 1/4 | |
| 31 | 4761500 | 1 | LOCKWASHER, 5/16 | |
| 35 | 8750001 | 1 | COVER PLATE | |
| 36 | 8750005 | 1 | CLAMP SET | |
| 39 | 77133052 | 1 | COVER PLATE | |
| 40 | 77133073 | 1 | CLAMP | |
| 41 | 77133139 | 1 | CLAMP SET | |
| 42 | 77133140 | 1 | COVER PLATE | |
| 57 | | Ref | HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 58 | 1001122407 | 1 | INLET PIPE | |
| 63 | 1001130065 | 1 | HOSE ASSY | |
| 64 | 1001130085 | 1 | RETURN PIPE | |
| 65 | 1001130126 | 1 | HOSE ASSY | |
| 66 | 1001130127 | 1 | HOSE ASSY | |
| 73 | 1001133896 | 1 | RETURN PIPE | |
| 74 | 1001134142 | 1 | WELD BRACKET | |
| 75 | 1001136501 | 1 | PRESSURE REDUCING VALVE | |
| 78 | 1001136955 | 1 | HOSE ASSY | |
| 78 | 1001136955 | 1 | HOSE ASSY, (if equipped with tilt on joystick) (G10-43A,G9-43A) | |
| 79 | 1001136977 | 1 | HOSE ASSY | |
| 83 | 1001130904 | 1 | HOSE ASSY | |
| 84 | 1001130905 | 1 | HOSE ASSY | |
| 105 | 1001134210 | 1 | HOSE ASSY | |
| 116 | 1001132112 | 1 | HOSE ASSY | |
| 117 | 1001132383 | 1 | HOSE ASSY | |
| 117 | | Ref | HOSE ASSY, (if equipped with tilt on joystick) (See BOOM JOYSTICK CIRCUIT for Breakdown) (G10-43A,G9-43A) | |
| 206 | | Ref | ADAPTER, 90, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown) | |
| 305 | 2111010 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 314 | | Ref | HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |

# SECTION 8 - HYDRAULIC CIRCUITS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 404 | | Ref | ADAPTER, CONNECTOR, (See BOOM JOYSTICK CIRCUIT for Breakdown) | |
| 414 | | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 502 | 2150606 | 1 | ADAPTER, 45, (includes o-ring) | |
| 505 | 2170206 | 1 | ADAPTER, 90, (long), (includes o-ring) | |
| 506 | 2170706 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |
| 508 | | Ref | HYDRAULIC MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 604 | 2111616 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 605 | 2110404 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 605 | 2130404 | 1 | ADAPTER, 90, (includes o-ring) (G10-43A) | |
| 610 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 615 | 2170206 | 1 | ADAPTER, 90, (long), (includes o-ring) (G10-43A) | |
| 703 | | Ref | STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown) | |
| 801 | | Ref | BRAKE VALVE, (See CONTROLS SECTION for Breakdown) | |
| 922 | 2170706 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |
| 923 | 2170716 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |
| 995 | 1001132506 | 1 | HOSE ASSY, (if equipped with tilt on joystick) (G10-43A,G9-43A) | |
| 997 | 1001132704 | 1 | HOSE ASSY | |
| 1001 | 2220242 | 1 | ADAPTER PLUG, (if equipped with main control valve) | |

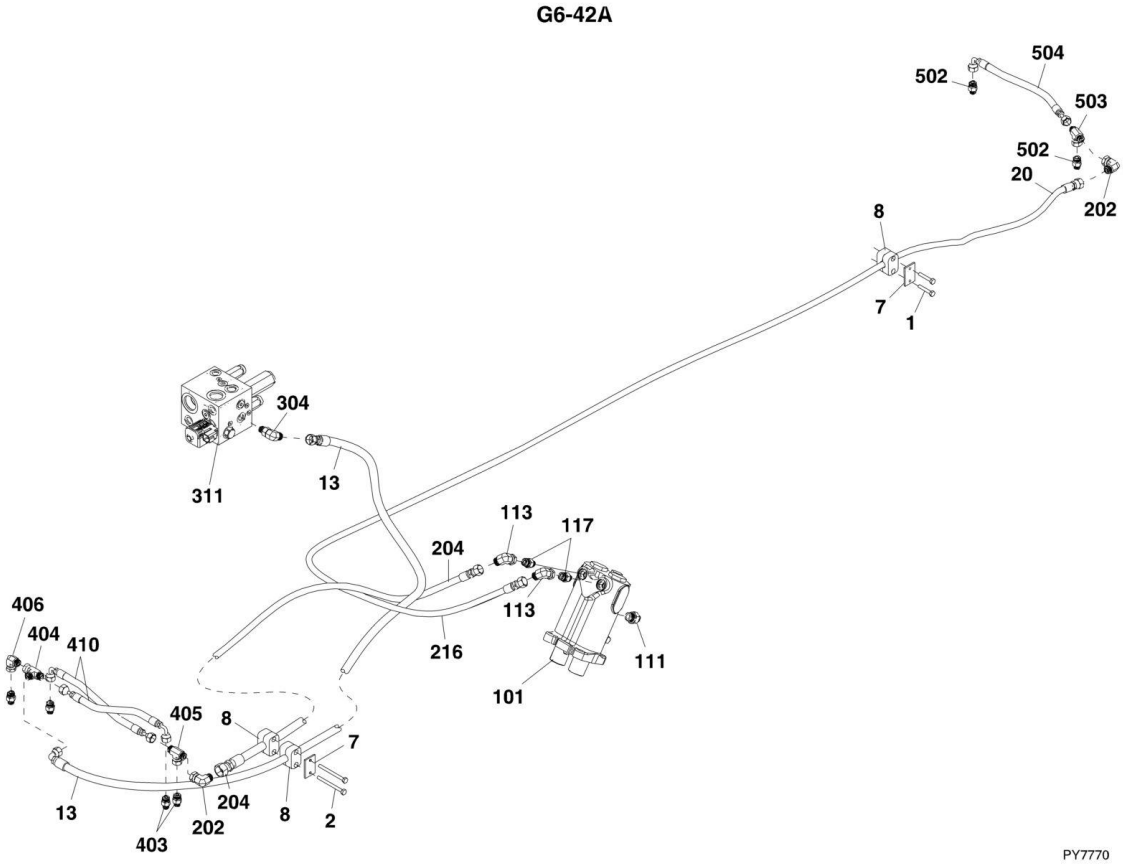
## FIGURE 8-5. STEER SELECT CIRCUIT



## FIGURE 8-5. STEER SELECT CIRCUIT

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001132495 | Ref | DRIVETRAIN HYDRAULIC INSTALLATION (not available to order, see items 3 thru 15 for service) (G6-42A) | C |
| | 1001132005 | Ref | DRIVETRAIN HYDRAULIC INSTALLATION (not available to order, see items 3, 5 thru 9 & 102 thru 111 for service) (G10-43A,G9-43A) | C |
| 3 | 0641506 | 4 | HEX HD CAPSCREW, 5/16-18X3/4, GR5, (torque to 17lb-ft/23Nm) | |
| 4 | 2171108 | 4 | BULKHEAD UNION, 3/4-16X1/2, TUBE | |
| 5 | 4711500 | 4 | FLAT WASHER, 5/16 | |
| 6 | 4761500 | 4 | LOCKWASHER, 5/16 | |
| 9 | | Ref | STEER SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 10 | 1001096950 | 2 | HOSE ASSY | |
| 11 | 1001096952 | 1 | HOSE ASSY | |
| 12 | 1001097745 | 3 | HOSE ASSY | |
| 14 | 1001148921 | 1 | HOSE ASSY | |
| 15 | 1001148924 | 1 | HOSE ASSY | |
| 102 | 0641514 | 4 | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5 | |
| 105 | 77133137 | 4 | TWIN CLAMP COVER PLATE | |
| 106 | 80933140 | 3 | CLAMP SET | |
| 108 | 1001098440 | 2 | HOSE ASSY | |
| 109 | 1001098441 | 2 | HOSE ASSY | |
| 111 | 77323029 | 1 | CLAMP SET | |
| 214 | 1001096390 | 2 | HOSE ASSY | |
| 302 | 2130808 | 4 | ADAPTER, 90, (includes o-ring) | |
| 409 | 2110808 | 4 | ADAPTER, CONNECTOR, (includes o-ring) | |

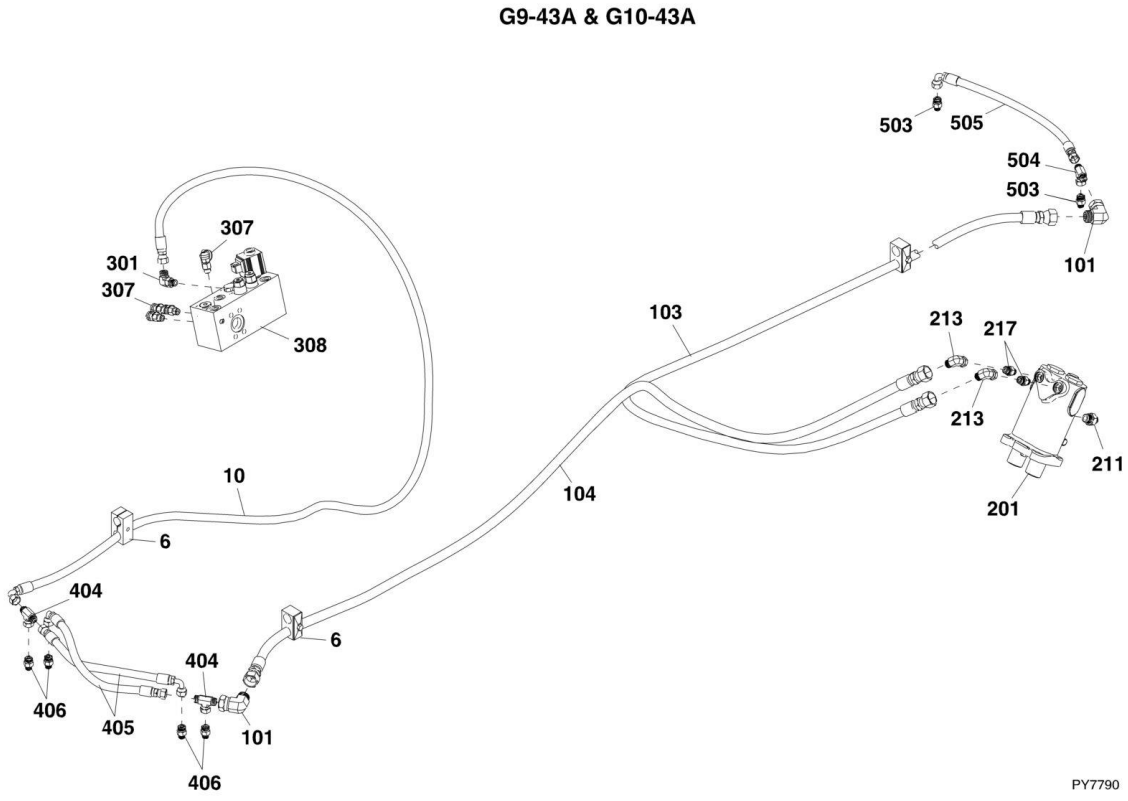
## FIGURE 8-6. SERVICE BRAKE CIRCUIT (G6-42A)



## FIGURE 8-6. SERVICE BRAKE CIRCUIT (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 0641412 | 2 | HEX HD CAPSCREW, 1/4-20X1-1/2, GR5 | |
| 2 | 0641424 | 2 | HEX HD CAPSCREW, 1/4-20X3, GR5 | |
| 7 | 77133052 | 2 | COVER PLATE | |
| 8 | 8769154 | 3 | CLAMP SET | |
| 13 | 1001134986 | 1 | HOSE ASSY | |
| 101 | | Ref | POWER BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 111 | | Ref | ADAPTER, CONNECTOR, (See CONTROLS SECTION for Breakdown) | |
| 113 | 2172106 | 2 | ADAPTER, 90, (includes o-ring) | |
| 117 | 2144605 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 202 | 2172106 | 2 | ADAPTER, 90, (includes o-ring) | |
| 204 | 1001132380 | 1 | HOSE ASSY | |
| 216 | 1001132377 | 1 | HOSE ASSY | |
| 304 | 2150606 | 1 | ADAPTER, 90, (includes o-ring) | |
| 311 | | Ref | PRIORITY VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 403 | 2144605 | 4 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 404 | 2170706 | 1 | ADAPTER, RUN TEE, (includes o-ring) | |
| 405 | 2170806 | 1 | ADAPTER, BRANCH TEE, (includes o-ring) | |
| 406 | 2172106 | 1 | ADAPTER, 90, (includes o-ring) | |
| 410 | 1001139375 | 2 | HOSE ASSY | |
| 502 | 2144605 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 503 | 2170806 | 1 | ADAPTER, BRANCH TEE, (includes o-ring) | |
| 504 | 1001139375 | 1 | HOSE ASSY | |

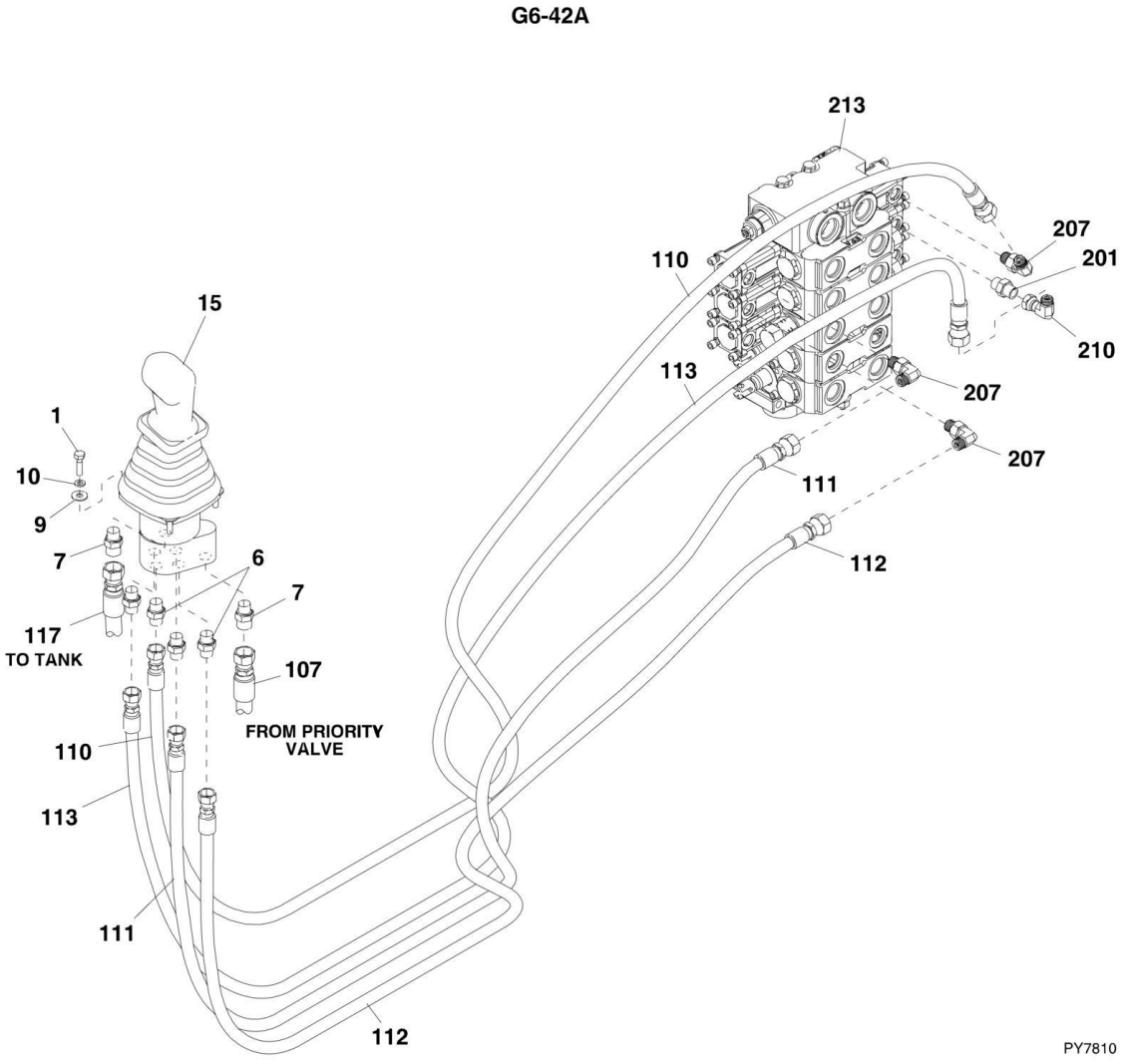
## FIGURE 8-7. SERVICE BRAKE CIRCUIT (G10-43A,G9-43A)



## FIGURE 8-7. SERVICE BRAKE CIRCUIT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 6 | | Ref | CLAMP SET, (See STEER SELECT CIRCUIT for Breakdown) | |
| 10 | 1001130214 | 1 | HOSE ASSY | |
| 101 | 2172106 | 2 | ADAPTER, 90, (includes o-ring) | |
| 103 | 1001132377 | 1 | HOSE ASSY | |
| 104 | 1001132380 | 1 | HOSE ASSY | |
| 201 | | Ref | POWER BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 211 | | Ref | ADAPTER, CONNECTOR, (See CONTROLS SECTION for Breakdown) | |
| 213 | 2172106 | 2 | ADAPTER, 90, (includes o-ring) | |
| 217 | 2144605 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 301 | | Ref | ADAPTER, 90, (includes o-ring) | |
| 307 | 77133089 | 4 | MINI-CHECK | |
| 308 | | Ref | PRIORITY MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 404 | 2170806 | 2 | ADAPTER, BRANCH TEE, (includes o-ring) | |
| 405 | 1001097466 | 2 | HOSE ASSY | |
| 406 | 2144605 | 4 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 503 | 2144605 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 504 | 2170806 | 1 | ADAPTER, BRANCH TEE, (includes o-ring) | |
| 505 | 1001097466 | 1 | HOSE ASSY | |

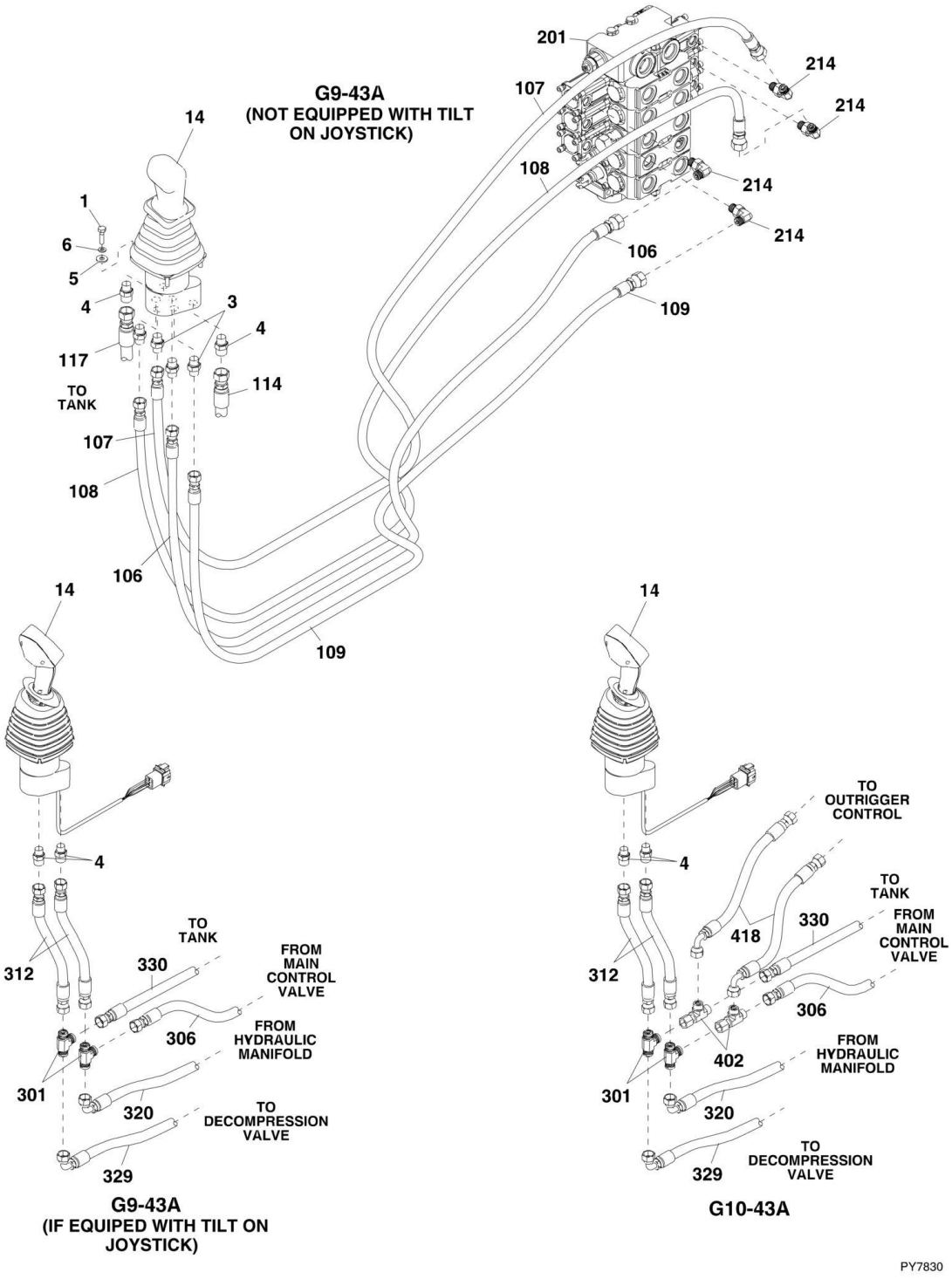
## FIGURE 8-8. BOOM JOYSTICK CIRCUIT (G6-42A)



## FIGURE 8-8. BOOM JOYSTICK CIRCUIT (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 0641408 | 4 | HEX HD CAPSCREW, 1/4-20X1, GR5 | |
| 6 | 2110406 | 4 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 7 | 2110606 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 9 | 4751400 | 4 | WASHER, 1/4 | |
| 10 | 4761400 | 4 | LOCKWASHER, 1/4 | |
| 15 | | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 107 | | Ref | HOSE ASSY, (See DUMP CIRCUIT for Breakdown) | |
| 110 | 1001135966 | 1 | HOSE ASSY | |
| 111 | 1001135967 | 1 | HOSE ASSY | |
| 112 | 1001135968 | 1 | HOSE ASSY | |
| 113 | 1001135969 | 1 | HOSE ASSY | |
| 117 | | Ref | HOSE ASSY, (See SUPPLY CIRCUIT for Breakdown) | |
| 201 | 2110406 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 207 | 2170206 | 3 | ADAPTER, 90, (includes o-ring) | |
| 210 | 2130606 | 1 | ADAPTER, 90, (includes o-ring) | |
| 213 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |

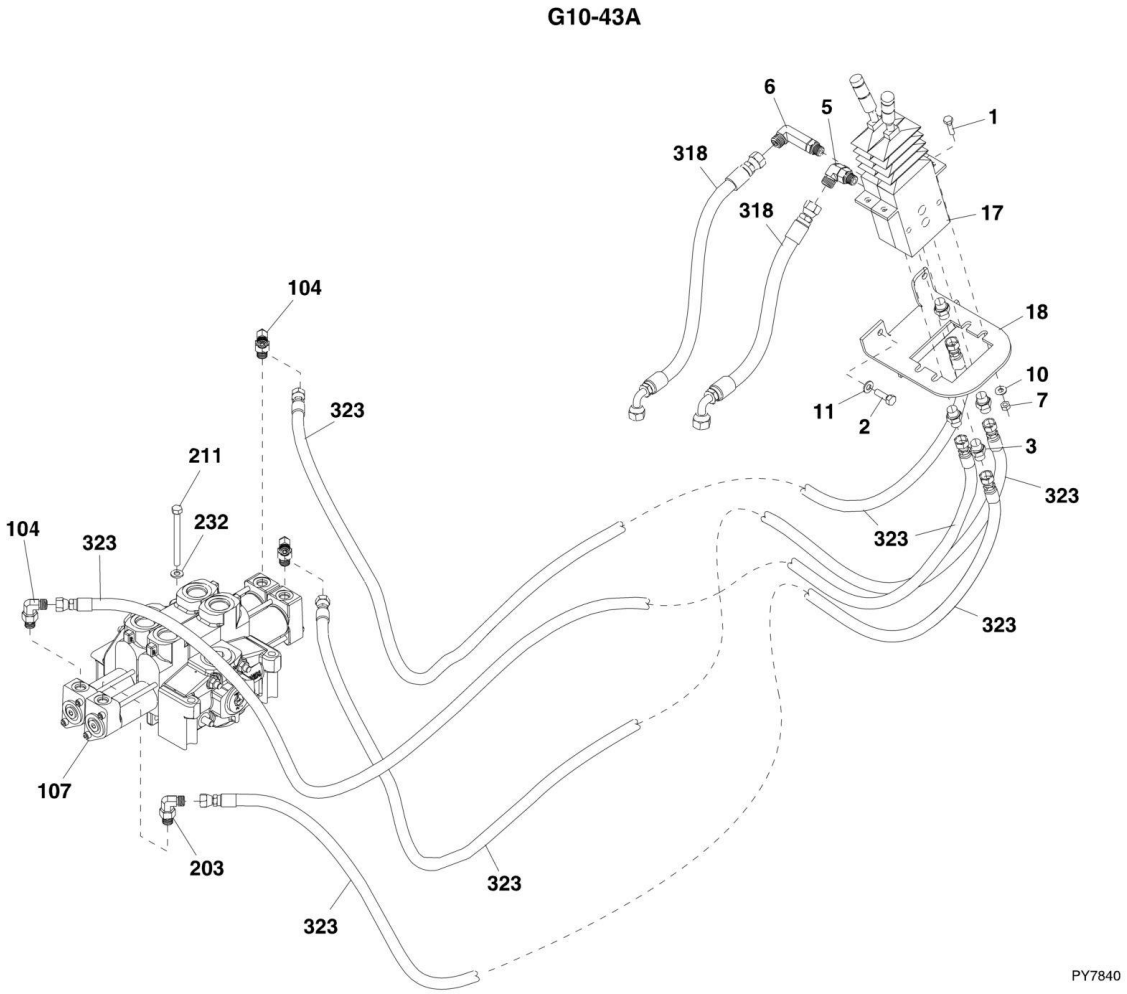
## FIGURE 8-9. BOOM JOYSTICK CIRCUIT (G10-43A,G9-43A)



## FIGURE 8-9. BOOM JOYSTICK CIRCUIT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 0641408 | 4 | HEX HD CAPSCREW, 1/4-20X1, GR5 | |
| 3 | 2110406 | 4 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 4 | 2110606 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 5 | 4751400 | 4 | WASHER, 1/4 | |
| 6 | 4761400 | 4 | LOCKWASHER, 1/4 | |
| 14 | | Ref | BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown) | |
| 106 | 1001135966 | 1 | HOSE ASSY | |
| 107 | 1001135967 | 1 | HOSE ASSY | |
| 108 | 1001135968 | 1 | HOSE ASSY | |
| 109 | 1001135969 | 1 | HOSE ASSY | |
| 114 | | Ref | HOSE ASSY, (See SUPPLY CIRCUIT for Breakdown) | |
| 117 | | Ref | HOSE ASSY, (See DUMP CIRCUIT for Breakdown) | |
| 201 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 214 | 2130406 | 4 | ADAPTER, 90, (includes o-ring), (not equipped with tilt on joystick) (G10-43A,G9-43A) | |
| 214 | 2130606 | 4 | ADAPTER, 90, (includes o-ring), (if equipped with tilt On joystick) (G9-43A) | |
| 301 | 2170506 | 2 | ADAPTER, RUN TEE, (includes o-ring) | |
| 306 | 1001132395 | 1 | HOSE ASSY | |
| 312 | 1001136439 | 2 | HOSE ASSY | |
| 320 | 1001132394 | 1 | HOSE ASSY | |
| 329 | | Ref | HOSE ASSY, (See AUXILIARY HYDRAULIC CIRCUIT for Breakdown) | |
| 330 | 1001132417 | 1 | HOSE ASSY | |
| 402 | 2170706 | 2 | ADAPTER, RUN TEE, (includes o-ring) | |
| 418 | 1001152168 | 2 | HOSE ASSY | |

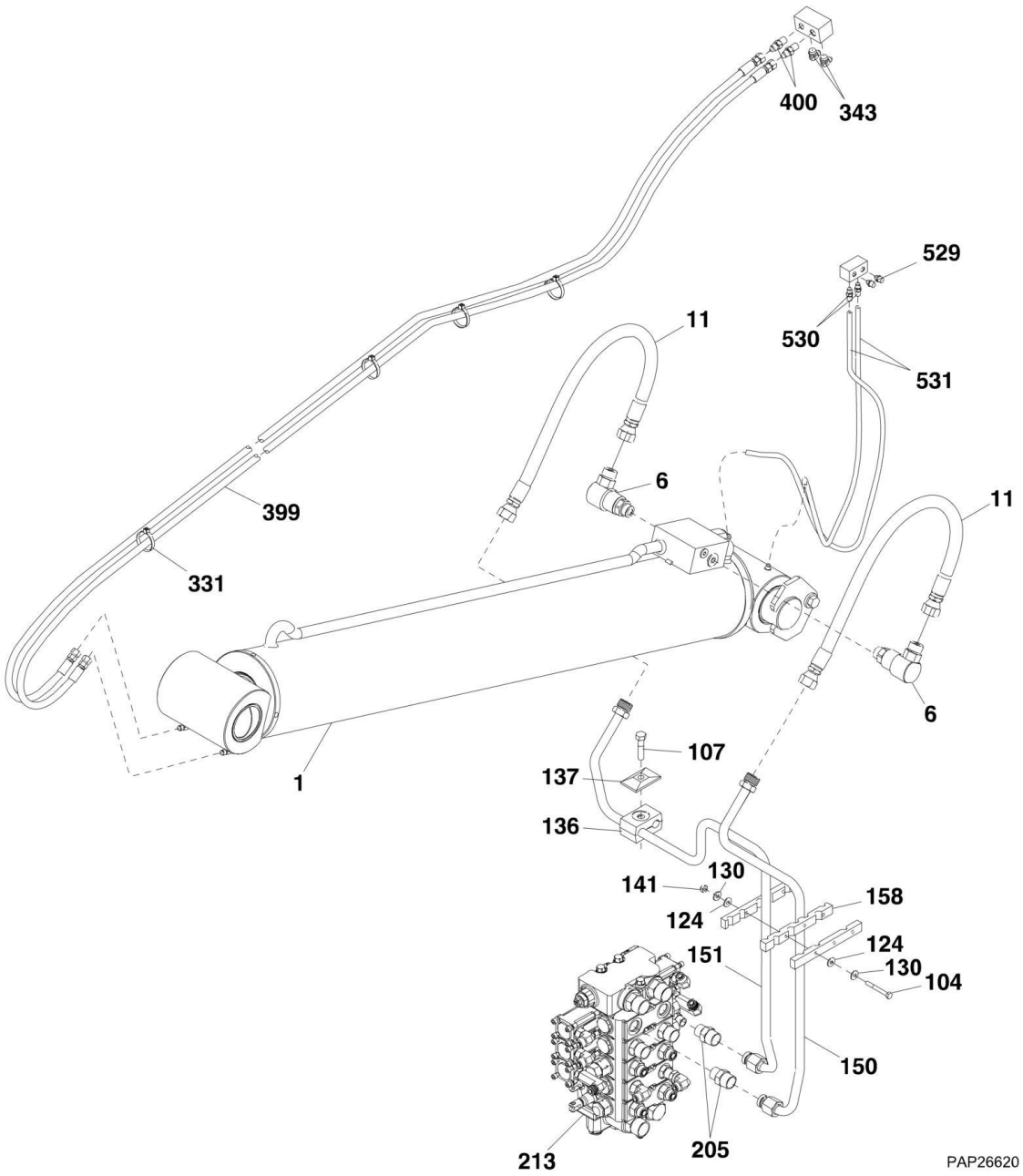
## FIGURE 8-10. OUTRIGGER CONTROLLER (G10-43A)



## FIGURE 8-10. OUTRIGGER CONTROLLER (G10-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 0641408 | 4 | HEX HD CAPSCREW, 1/4-20X1, GR5 | |
| 2 | 0641508 | 3 | HEX HD CAPSCREW, 5/16-18X1, GR5 | |
| 3 | 2110406 | 4 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 5 | 2130606 | 1 | ADAPTER, 90, (includes o-ring) | |
| 6 | 2170206 | 1 | ADAPTER, 90, (includes o-ring) | |
| 7 | 3311405 | 4 | HEX LOCKNUT, 1/4-20 | |
| 10 | 4711400 | 4 | WASHER, 1/4 | |
| 11 | 4711500 | 3 | WASHER, 5/16 | |
| 17 | | Ref | CONTROLLER, (See CONTROLS SECTION for Breakdown) | |
| 18 | 1001090021 | 1 | BRACKET | |
| 104 | 2130406 | 4 | ADAPTER, 90, (includes o-ring) | |
| 107 | | Ref | OUTRIGGER VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 211 | 0641520 | 3 | HEX HD CAPSCREW, 5/16-18X2-1/2, GR5 | |
| 232 | 4711500 | 3 | WASHER, 5/16 | |
| 318 | | Ref | HOSE ASSY, (See BOOM JOYSTICK CIRCUIT for Breakdown) | |
| 323 | 1001136489 | 4 | HOSE ASSY | |

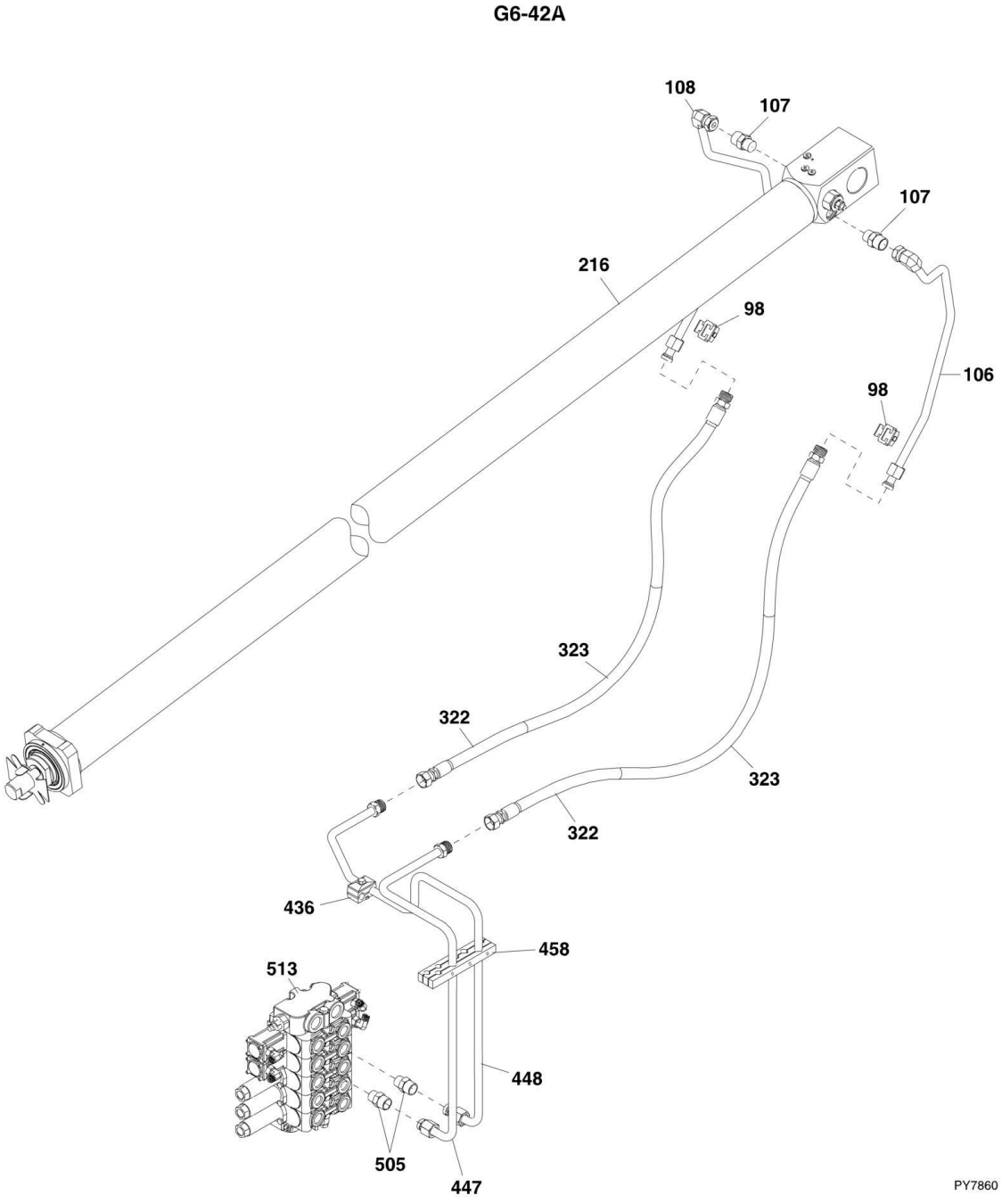
## FIGURE 8-11. LIFT CYLINDER CIRCUIT



## FIGURE 8-11. LIFT CYLINDER CIRCUIT

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | | Ref | LIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 6 | 1001001250 | 2 | FITTING, 90 (G6-42A) | |
| 6 | 2131212 | 2 | FITTING, 90 (G10-43A,G9-43A) | |
| 11 | 1001098560 | 2 | HOSE ASSY (G6-42A) | |
| 11 | 1001105159 | 2 | HOSE ASSY (G10-43A,G9-43A) | |
| 104 | 0641418 | 3 | HEX HD CAPSCREW, 1/4-20X 1/4, GR52 (G6-42A) | |
| 104 | 0641430 | 4 | HEX HD CAPSCREW, 1/4-20X3-3/4, GR5 (G10-43A,G9-43A) | |
| 107 | 0641511 | 1 | HEX HD CAPSCREW, 5/16-18X1-3/8, GR5 | |
| 124 | 4751400 | 8 | WASHER, 1/4 | |
| 130 | 4761400 | 4 | LOCKWASHER, 1/4 (G10-43A,G9-43A) | |
| 136 | 77133139 | 1 | CLAMP SET | |
| 137 | 77133140 | 1 | COVER PLATE | |
| 141 | 3311401 | 4 | HEX NUT, 1/4-20 (G6-42A) | |
| 150 | 88521304 | 1 | HEX NUT, 1/4-20 (G10-43A,G9-43A) | |
| 150 | 1001098932 | 1 | TUBE ASSEMBLY (G6-42A) | |
| 150 | 1001113495 | 1 | TUBE ASSEMBLY (G10-43A,G9-43A) | |
| 151 | 1001098933 | 1 | TUBE ASSEMBLY (G6-42A) | |
| 151 | 1001113496 | 1 | TUBE ASSEMBLY (G10-43A,G9-43A) | |
| 158 | 1001117929 | 1 | CLAMP (G6-42A) | |
| 158 | 1001126756 | 1 | CLAMP (G10-43A,G9-43A) | |
| 205 | 2111010 | 2 | ADAPTER, CONNECTOR, (includes o-ring) (G6-42A) | |
| 205 | 2111212 | 2 | STRAIGHT FITTING, (includes o-ring) (G10-43A,G9-43A) | |
| 213 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 331 | 86683122 | 6 | TIE-WRAP | |
| 343 | 2160001 | 2 | GREASE FITTING, 1/8 (G6-42A) | |
| 343 | 2160002 | 2 | GREASE FITTING, 1/8 (G10-43A,G9-43A) | |
| 399 | 84718545 | 2 | HYDRAULIC HOSE | |
| 400 | 88661002 | 2 | ADAPTER, CONNECTOR | |
| 529 | 2160002 | 2 | GREASE FITTING, STRAIGHT (G10-43A,G9-43A) | |
| 530 | 88661002 | 2 | ADAPTER, CONNECTOR (G10-43A,G9-43A) | |
| 531 | 84719940 | 2 | GREASE HOSE (G10-43A,G9-43A) | |

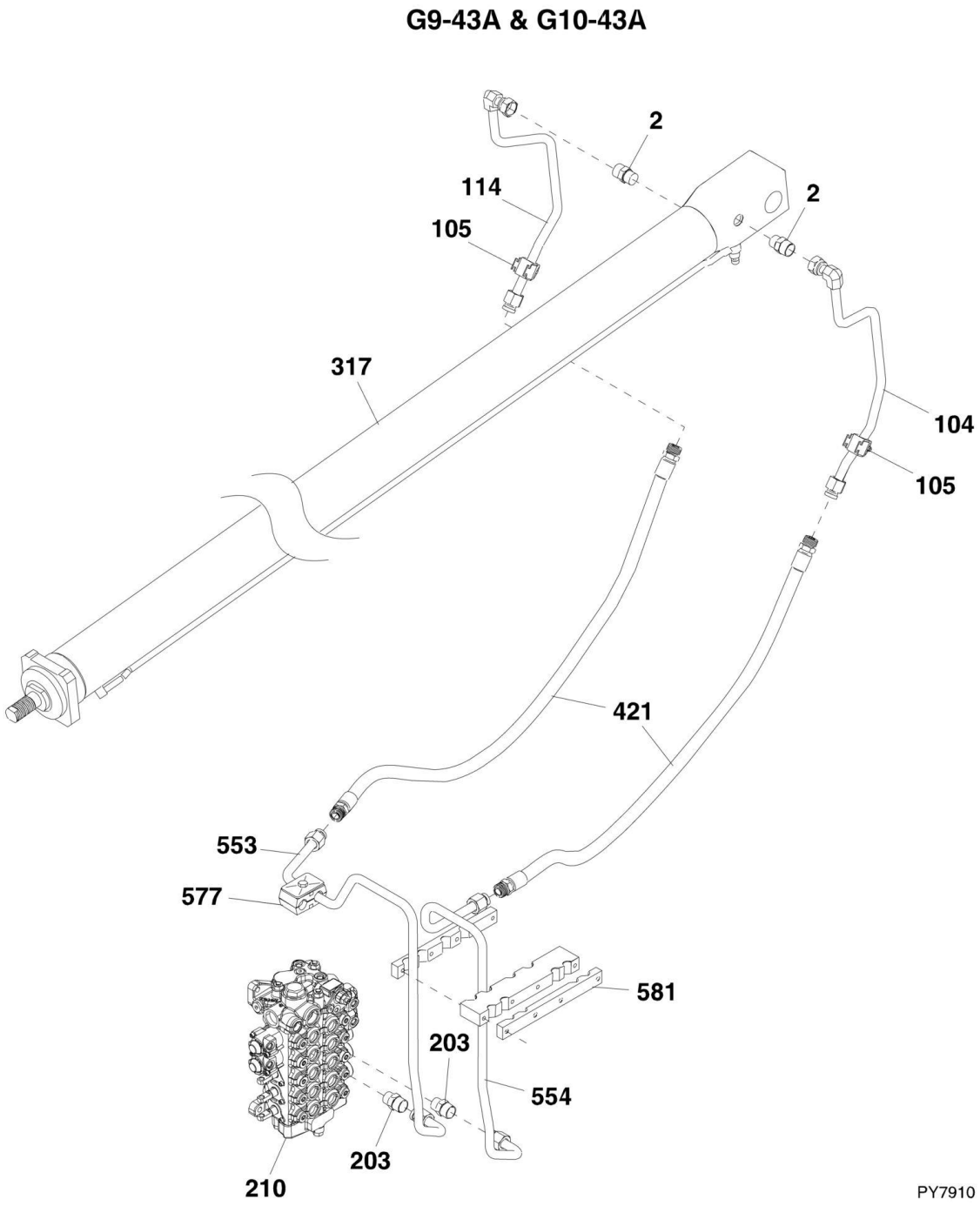
## FIGURE 8-12. EXTEND/RETRACT CYLINDER CIRCUIT (G6-42A)



## FIGURE 8-12. EXTEND/RETRACT CYLINDER CIRCUIT (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 98 | 91083217 | 2 | CUSHION CLAMP | |
| 106 | 1001098362 | 1 | HYDRAULIC TUBE | |
| 107 | 2111010 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 108 | 1001098363 | 1 | HYDRAULIC TUBE | |
| 216 | | Ref | CROWD CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 322 | 1001101593 | 2 | HOSE ASSY | |
| 323 | 4100026 | 36 in | NYLON HOSE SLEEVE | |
| 436 | | Ref | CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |
| 447 | 1001097788 | 1 | HYDRAULIC TUBE | |
| 448 | 1001098360 | 1 | HYDRAULIC TUBE | |
| 458 | | Ref | CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |
| 505 | 2111010 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 513 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |

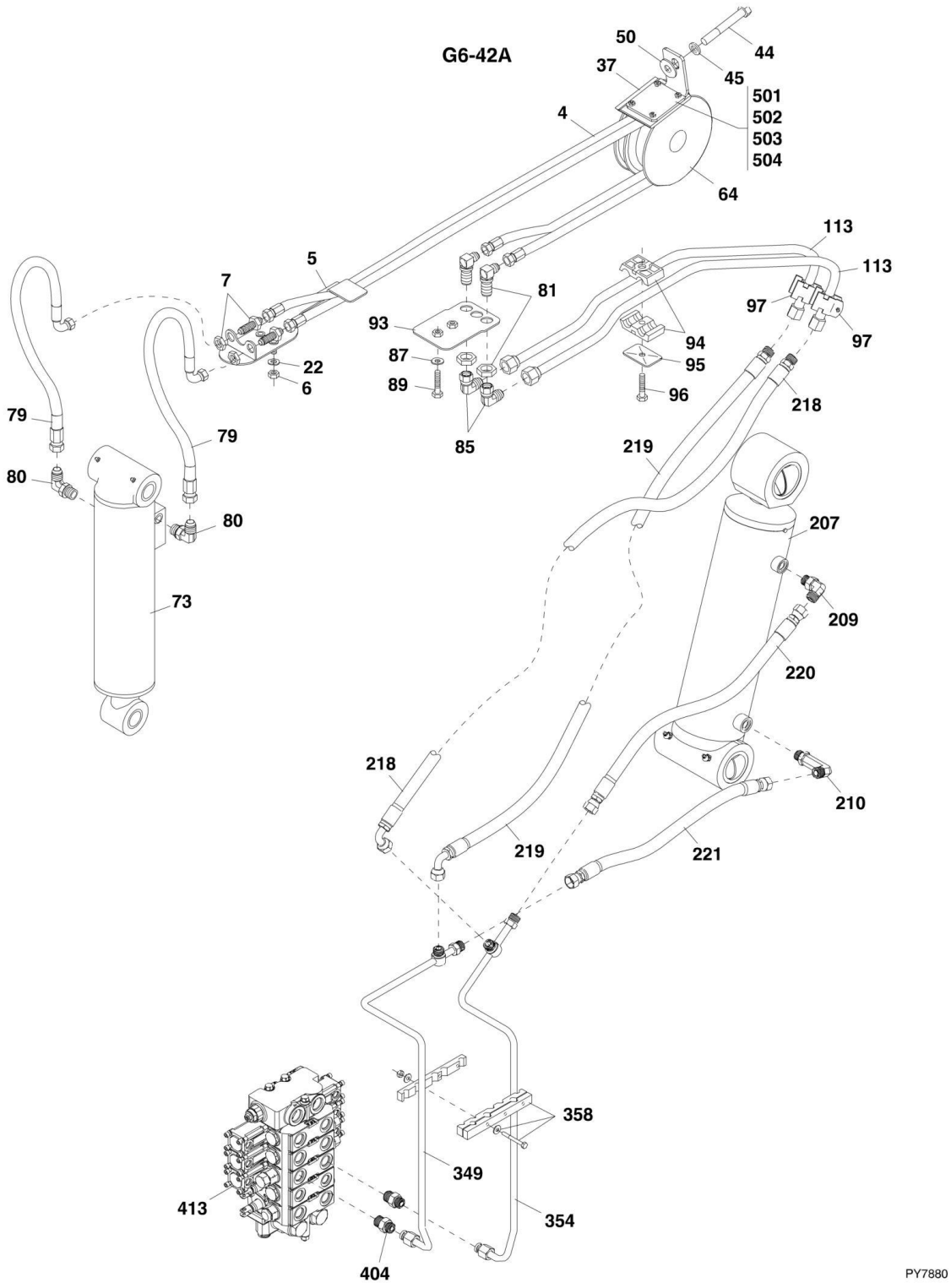
## FIGURE 8-13. EXTEND/RETRACT CYLINDER CIRCUIT (G10-43A,G9-43A)



## FIGURE 8-13. EXTEND/RETRACT CYLINDER CIRCUIT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 2 | 2111212 | 2 | CONNECTOR, (includes o-ring) | |
| 104 | 1001107162 | 1 | TUBE ASSY, (left) | |
| 105 | 90207463 | 2 | CLAMP | |
| 114 | 1001102093 | 1 | TUBE ASSY, (right) | |
| 203 | 2111212 | 2 | CONNECTOR, (includes o-ring) | |
| 210 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 317 | | Ref | CROWD CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 421 | 1001103060 | 2 | HOSE ASSY | |
| 553 | 1001113497 | 1 | PIPE ASSY | |
| 554 | 1001113498 | 1 | PIPE ASSY | |
| 577 | | Ref | TWIN CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |
| 581 | | Ref | TUBES CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |

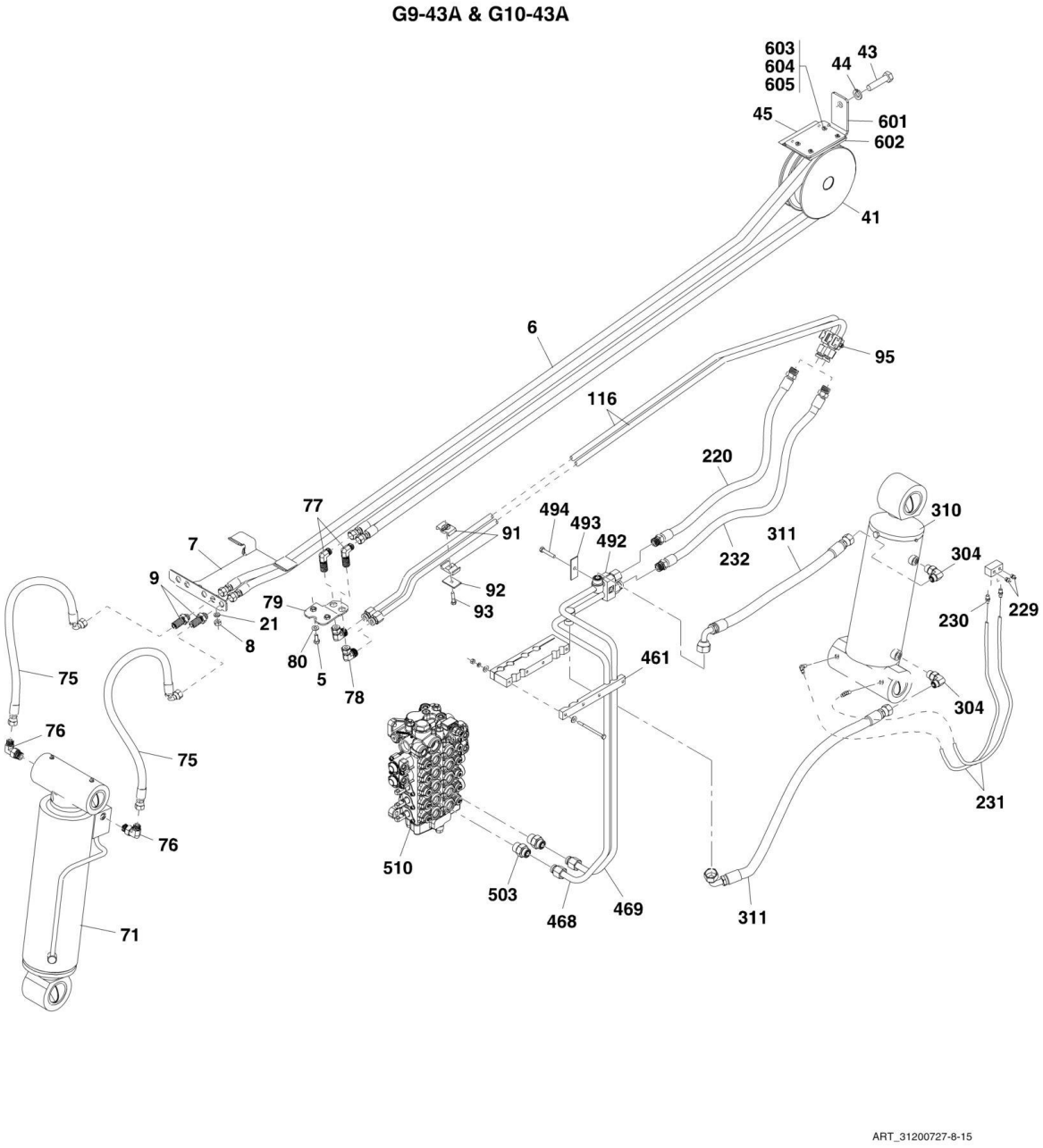
## FIGURE 8-14. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT (G6-42A)



## FIGURE 8-14. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 4 | 1001112207 | 1 | TWIN LINE HOSE ASSY | |
| 5 | 0903293 | 1 | HOSE RETAINER | |
| 6 | 88501006 | 2 | HEX NUT, 3/8-16 | |
| 7 | 2171106 | 2 | BULKHEAD UNION, 3/8 | |
| 22 | 4761600 | 2 | LOCKWASHER, 3/8 | |
| 37 | 91405085 | 1 | HOSE RETAINER ASSY, (includes items 501 thru 504) | A |
| 44 | 0641829 | 1 | HEX HD CAPSCREW, 1/2-13X3-5/8, GR5 | |
| 45 | 4761800 | 1 | SPRING LOCKWASHER, 1/2 | |
| 50 | 4751800 | 1 | WASHER, 1/2 | |
| 64 | 3580347 | 1 | HOSE SHEAVE PULLY | |
| 73 | | Ref | TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 79 | 1001101617 | 2 | HOSE ASSY | |
| 80 | 2130610 | 2 | ELBOW, 90, (includes o-ring) | |
| 81 | 2171206 | 2 | BULKHEAD FITTING, 90 | |
| 85 | 2221253 | 2 | FITTING, 90 | |
| 87 | 4711600 | 2 | FLAT WASHER, 3/8 | |
| 89 | 0641607 | 4 | HEX HD CAPSCREW, 3/8-16X7/8, GR5 | |
| 93 | 1001090364 | 1 | HOSE BRACKET | |
| 94 | 77133168 | 3 | CLAMP SET | |
| 95 | 77133140 | 3 | COVER PLATE | |
| 96 | 0641511 | 3 | HEX HD CAPSCREW, 0.312-18X1.375, GR5 | |
| 97 | 91083216 | 2 | CLAMP ASSY | |
| 113 | 1001001332 | 1 | TUBE ASSY | |
| 207 | | Ref | COMPENSATION CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 209 | 2130808 | 1 | ELBOW, 90 | |
| 210 | 2170208 | 1 | ELBOW, 90 | |
| 218 | 1001101588 | 1 | HOSE ASSY | |
| 219 | 1001101589 | 1 | HOSE ASSY | |
| 220 | 1001101591 | 1 | HOSE ASSY | |
| 221 | 1001101592 | 1 | HOSE ASSY | |
| 349 | 1001098361 | 1 | TUBE ASSY | |
| 354 | 1001102623 | 1 | TUBE ASSY | |
| 358 | | Ref | TUBE CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |
| 404 | 2110810 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 413 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 501 | 91401435 | 1 | HOSE RETAINER | |
| 502 | 91403499 | 1 | PAD | |
| 503 | 88241023 | 4 | FLAT HD CAPSCREW, 10-24X5/8 | |
| 504 | 88501612 | 4 | HEX NUT, 10-24 | |

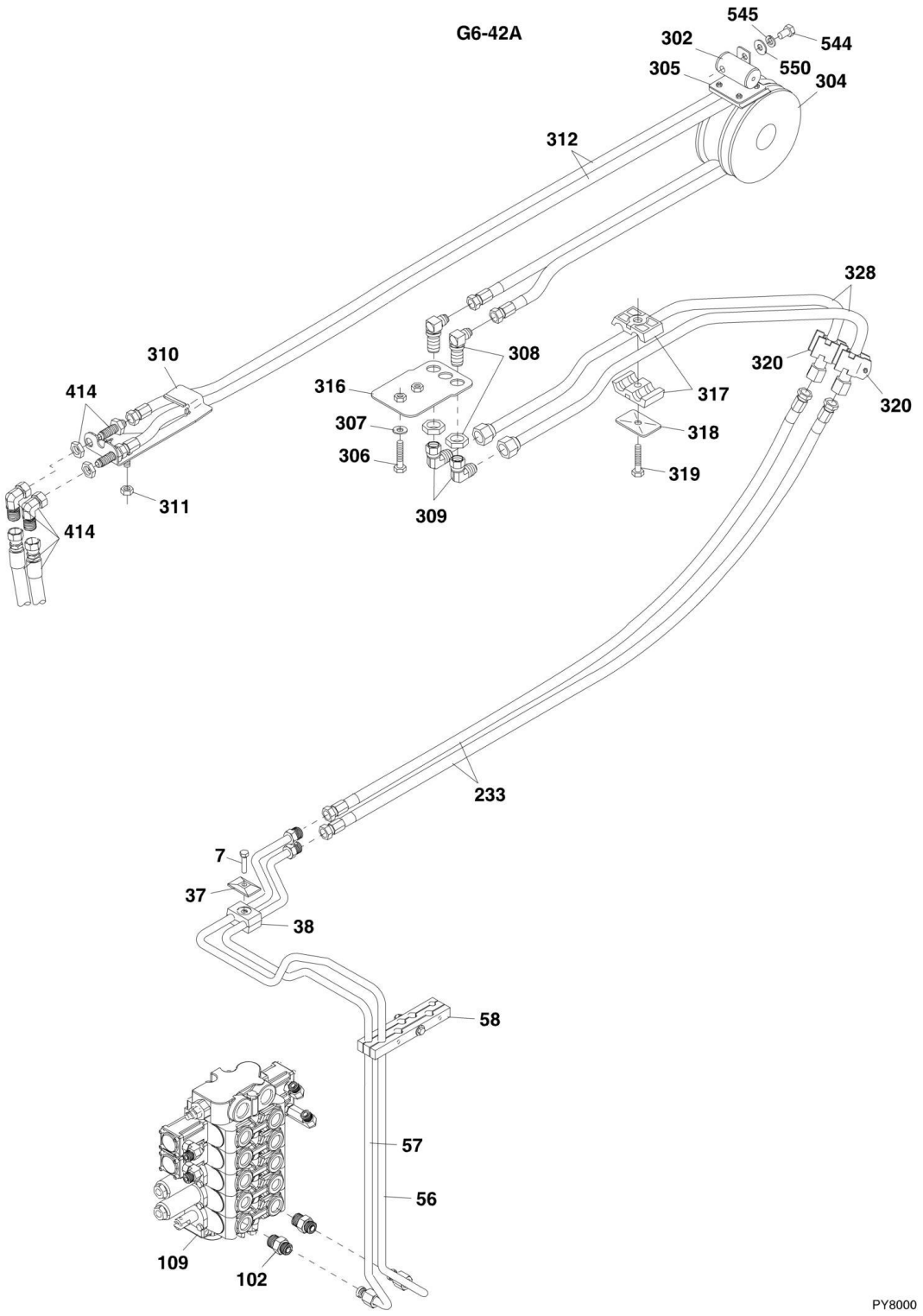
## FIGURE 8-15. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT (G10-43A,G9-43A)



## FIGURE 8-15. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 5 | 0641607 | 2 | HEX HD CAPSCREW, 3/8-16X7/8, GR5 | |
| 6 | 1001102977 | 1 | TWIN LINE HOSE | |
| 7 | 1001113353 | 1 | HOSE SUPPORT | |
| 8 | 3311602 | 2 | HEX NUT, 3/8-16 | |
| 9 | 2171108 | 2 | BULKHEAD | |
| 21 | 4761600 | 2 | LOCKWASHER, 3/8 | |
| 41 | 3580346 | 1 | HOSE SEAVE | |
| 43 | 0641832 | 1 | HEX HD CAPSCREW, 1/2-13X4, GR5 | |
| 44 | 4761800 | 2 | LOCKWASHER, 1/2 | |
| 45 | 91515002 | 1 | HOSE RETAINER ASSY, (includes items 601 thru 605) | E |
| 71 | | Ref | TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 75 | 1001103293 | 2 | HOSE ASSY | |
| 76 | 2130810 | 2 | ADAPTER, 90, (includes o-ring) | |
| 77 | 2171208 | 2 | BULKHEAD, 90 | |
| 78 | 2221254 | 2 | BULKHEAD, 90, (swivel nut) | |
| 79 | 1001090125 | 1 | HOSE BRACKET | |
| 80 | 4711600 | 2 | FLAT WASHER, 3/8 | |
| 91 | 77133139 | 4 | CLAMP SET | |
| 92 | 77133140 | 4 | COVER PLATE | |
| 93 | 77133177 | 4 | HEX BOLT, 5/16X1-3/8 | |
| 95 | 91083217 | 2 | CLAMP | |
| 116 | 1001001340 | 1 | TUBE ASSY | |
| 220 | 1001103057 | 1 | HOSE ASSY | |
| 229 | 2160002 | 2 | GREASE FITTING, STRAIGHT | |
| 230 | 88661002 | 2 | ADAPTER, CONNECTOR | |
| 231 | 84719940 | 2 | GREASE HOSE ASSY | |
| 232 | 1001153342 | 1 | HOSE ASSY | |
| 304 | 2130810 | 2 | ADAPTER, 90, (includes o-ring) | |
| 310 | | Ref | COMPENSATION CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 311 | 1001103039 | 2 | HOSE ASSY | |
| 461 | | Ref | TUBE CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |
| 468 | 1001151641 | 1 | PIPE ASSY | |
| 469 | 1001151642 | 1 | PIPE ASSY | |
| 492 | 1001153241 | 1 | CLAMP | |
| 493 | 77133137 | 1 | COVER PLATE | |
| 494 | 0641514 | 1 | HEX HD CAPSCREW, 5/16-18X1-3/4, GR5 | |
| 503 | 2111012 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 510 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 601 | 91511050 | 1 | HOSE RETAINER | |
| 602 | 91513026 | 1 | PAD | |
| 603 | 0741005 | 4 | FLAT HD SOCKET SCREW, 10-24X5/8 | |
| 604 | 88501612 | 4 | HEX NUT, 10-24 | |
| 605 | 0100003 | AR | LOCTITE 277 | |

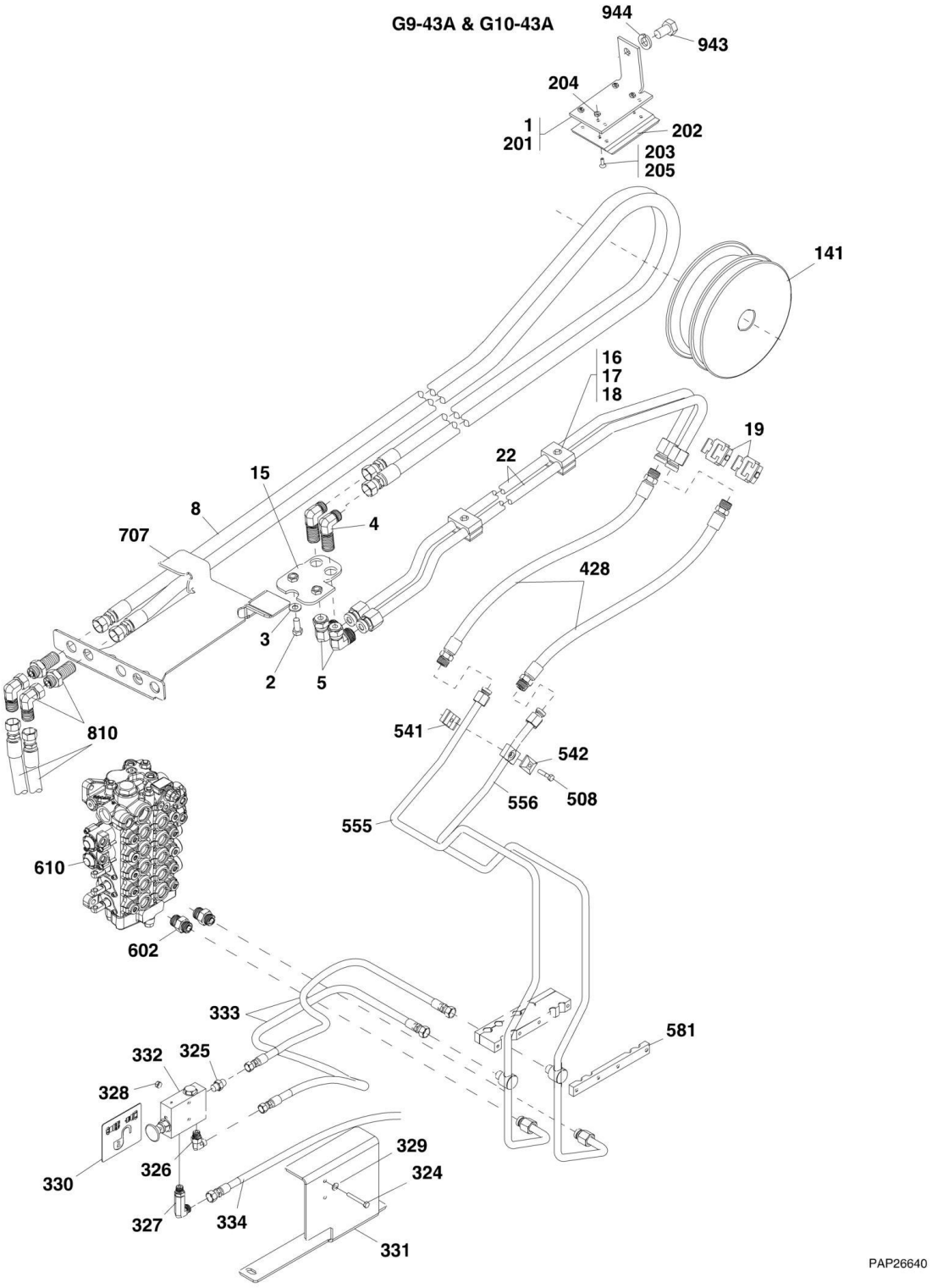
## FIGURE 8-16. AUXILIARY HYDRAULIC CIRCUIT (G6-42A)



## FIGURE 8-16. AUXILIARY HYDRAULIC CIRCUIT (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 7 | 0641511 | 1 | HEX HD CAPSCREW, 5/16-18X1-3/8, GR5 | |
| 37 | 77133140 | 1 | COVER PLATE | |
| 38 | 77133168 | 1 | CLAMP SET | |
| 56 | 1001117887 | 1 | TUBE ASSY | |
| 57 | 1001117888 | 1 | TUBE ASSY | |
| 58 | | Ref | TUBE CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |
| 102 | 2110810 | 2 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 109 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 233 | 1001120497 | 2 | HOSE ASSY | |
| | 1001100092 | 1 | AUX HYDRAULICS ASSY, (includes items 302 thru 328) | F |
| 302 | 91403127 | 1 | THRUST WASHER | |
| 304 | 3580347 | 1 | HOSE SHEAVE PULLY | |
| 305 | 91405086 | 1 | HOSE RETAINER ASSY, (includes the following items) | B |
| 305 | 91401436 | 1 | HOSE RETAINER, RH | |
| 305 | 91403499 | 1 | PAD | |
| 305 | 88241023 | 4 | SOCKET FLAT HD CAPSCREW, 10-24X5/8 | |
| 305 | 88501612 | 4 | HEX NUT, 10-24 | |
| 306 | 0641607 | 2 | HEX HD CAPSCREW, 3/8-16X7/8, GR5 | |
| 307 | 4711600 | 2 | FLAT WASHER, 3/8 | |
| 308 | 2171206 | 2 | BULKHEAD FITTING, 90, (includes o-ring) | |
| 309 | 2221253 | 2 | ELBOW, 90 | |
| 310 | 1001101788 | 1 | HOSE RETAINER | |
| 311 | 88501006 | 2 | HEX NUT, 3/8-16 | |
| 312 | 1001112207 | 1 | HOSE ASSY | |
| 316 | 1001090032 | 1 | HOSE BRACKET | |
| 317 | 77133168 | 3 | CLAMP | |
| 318 | 77133140 | 3 | COVER PLATE | |
| 319 | 0641511 | 3 | HEX BOLT, 5/16X1-3/8 | |
| 320 | 91083216 | 2 | HOSE CLAMP | |
| 321 | 91403126 | 1 | THRUST WASHER | |
| 328 | 1001001333 | 2 | HYDRAULIC TUBE | |
| 414 | | Ref | HYDRAULIC INSTALLATION, (See BOOM SECTION for Breakdown) | |
| 544 | 0641829 | 1 | HEX HD CAPSCREW, 1/2-13X3-5/8, GR5 | |
| 545 | 4761800 | 1 | LOCKWASHER, 1/2 | |
| 550 | 4751800 | 1 | WASHER, 1/2 | |

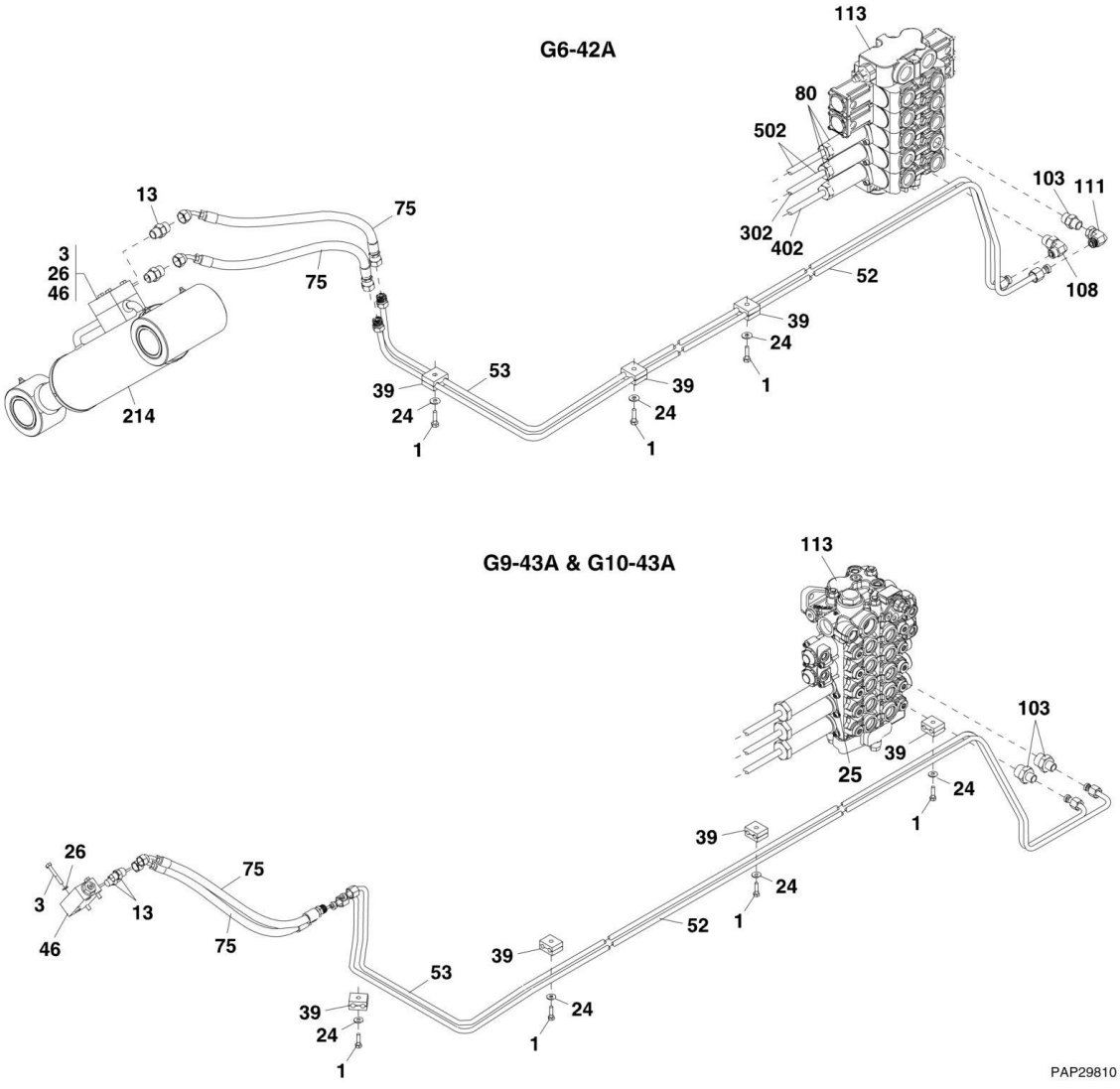
## FIGURE 8-17. AUXILIARY HYDRAULIC CIRCUIT (G10-43A,G9-43A)



## FIGURE 8-17. AUXILIARY HYDRAULIC CIRCUIT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 91515028 | 1 | HOSE RETAINER ASSY, (includes items 201 thru 205) | D |
| 2 | 0641607 | 2 | HEX HD CAPSCREW, 3/8-16X7/8, GR5 | |
| 3 | 4711600 | 2 | FLAT WASHER, 3/8 | |
| 4 | 2171208 | 2 | BULKHEAD, 90 | |
| 5 | 2221254 | 2 | ELBOW, 90, (swivel nut) | |
| 8 | 1001102977 | 1 | TWIN LINE HOSE | |
| 15 | 1001090126 | 1 | HOSE BRACKET | |
| 16 | 77133139 | 4 | CLAMP SET | |
| 17 | 77133140 | 4 | COVER PLATE | |
| 18 | 77133177 | 4 | HEX BOLT, 5/16X1-3/8 | |
| 19 | 91083217 | 2 | CLAMP | |
| 22 | 1001001341 | 2 | TUBE ASSY | |
| 26 | 2172108 | 2 | ADAPTER, 90, (includes o-ring), (not shown) | |
| 141 | 3580346 | 1 | HOSE PULLEY | |
| 201 | 91511111 | 1 | HOSE RETAINER | |
| 202 | 91513026 | 1 | PAD | |
| 203 | 88241023 | 4 | FLAT HD SCREW, 10-24X5/8 | |
| 204 | 88501612 | 4 | HEX NUT, 10-24 | |
| 205 | 14404102 | AR | LOCTITE 277 | |
| 324 | 0641416 | 2 | HEX HD CAPSCREW, 1/4-20X2, GR5 | |
| 325 | 2110406 | 1 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 326 | 2130406 | 1 | ADAPTER, 90, (includes o-ring) | |
| 327 | 2170206 | 1 | ADAPTER, 90, (long), (includes o-ring) | |
| 328 | 3311401 | 2 | HEX NUT, 1/4-20 | |
| 329 | 4761400 | 2 | LOCKWASHER, 1/4 | |
| 330 | 91503112 | 1 | DECOMPRESSION VALVE DECAL | |
| 331 | 1001143207 | 1 | DECOMPRESSION VALVE MOUNT PLATE | |
| 332 | 1001143273 | 1 | DECOMPRESSION VALVE | |
| 333 | 1001143803 | 2 | HOSE ASSY | |
| 334 | 1001143809 | 1 | HOSE ASSY | |
| 428 | 1001098874 | 2 | HOSE ASSY | |
| 508 | 0641511 | 1 | HEX HD CAPSCREW, 5/16-18X1-3/8, GR5 | |
| 541 | 77133139 | 1 | CLAMP SET | |
| 542 | 77133140 | 1 | COVER PLATE | |
| 555 | 1001143121 | 1 | PIPE ASSY | |
| 556 | 1001143122 | 1 | PIPE ASSY | |
| 581 | | Ref | TUBES CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown) | |
| 602 | 2111012 | 2 | CONNECTOR, (includes o-ring) | |
| 610 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 707 | | Ref | HOSE SUPPORT, (See TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT for Breakdown) | |
| 810 | | Ref | HYDRAULIC INSTALLATION, (See BOOM SECTION for Breakdown) | |
| 943 | 0641832 | 1 | HEX HD CAPSCREW, 1/2-13X4, GR5 | |
| 944 | 4761800 | 1 | LOCKWASHER, 1/2 | |

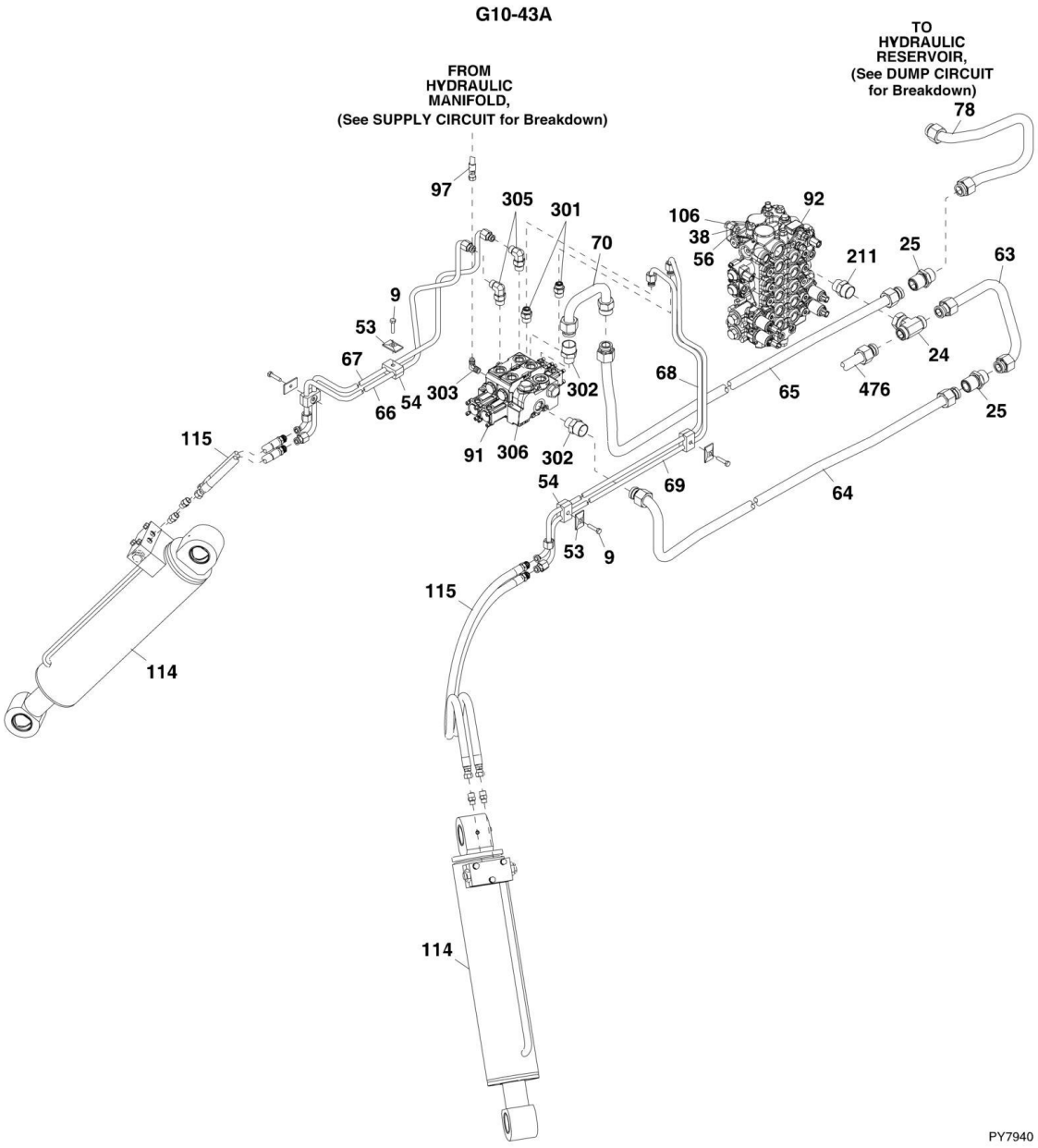
## FIGURE 8-18. FRAME LEVEL CIRCUIT



## FIGURE 8-18. FRAME LEVEL CIRCUIT

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 1 | 0641408 | 3 | HEX HD CAPSCREW, 1/4-20X1, GR5 (G6-42A) | |
| 1 | 0641408 | 4 | HEX HD CAPSCREW, 1/4-20X1, GR5 (G10-43A,G9-43A) | |
| 3 | 0641414 | 3 | HEX HD CAPSCREW, 1/4-20X1-3/4, GR5 | |
| 13 | 2110606 | 2 | ADAPTER, CONNECTOR, (includes o-ring) | |
| 24 | 4751400 | 3 | WASHER, 1/4 (G6-42A) | |
| 24 | 4751400 | 4 | WASHER, 1/4 (G10-43A,G9-43A) | |
| 25 | 4031709 | 2 | HEX SOC HD SCR, M6 X 25 LG, (if equipped with tilt on joystick) (G10-43A,G9-43A) | |
| 26 | 4761400 | 3 | LOCKWASHER, 1/4 | |
| 39 | 77133270 | 3 | CLAMP SET (G6-42A) | |
| 39 | 77133270 | 4 | CLAMP SET (G10-43A,G9-43A) | |
| 46 | 91473188 | 1 | FRAME LEVEL CYLINDER VALVE | |
| 52 | 1001101615 | 1 | HYDRAULIC PIPE (G6-42A) | |
| 52 | 1001105339 | 1 | HYDRAULIC PIPE (G10-43A,G9-43A) | |
| 53 | 1001101616 | 1 | HYDRAULIC PIPE (G6-42A) | |
| 53 | 1001105338 | 1 | HYDRAULIC PIPE (G10-43A,G9-43A) | |
| 75 | 1001096957 | 2 | HOSE ASSEMBLY (G6-42A) | |
| 75 | 1001118560 | 2 | HOSE ASSEMBLY (G10-43A,G9-43A) | |
| 80 | 91123062 | 3 | CABLE ADAPTER BONNET (G6-42A) | |
| 80 | 91513124 | 3 | CABLE ADAPTER BONNET (G9-43A) | |
| 80 | 91513124 | 1 | CABLE ADAPTER BONNET, (if equipped with tilt on joystick) (G10-43A,G9-43A) | |
| 103 | 2110608 | 1 | ADAPTER, CONNECTOR, (includes o-ring) (G6-42A) | |
| 103 | 2110612 | 2 | ADAPTER, CONNECTOR, (includes o-ring) (G10-43A,G9-43A) | |
| 108 | 2130608 | 1 | ADAPTER, 90, (includes o-ring) | |
| 111 | 2172106 | 1 | ADAPTER, 90, (includes o-ring) | |
| 113 | | Ref | MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 214 | | Ref | FRAME LEVEL CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 302 | | Ref | FRAME LEVEL CONTROL, (See CONTROLS SECTION for Breakdown) | |
| 402 | | Ref | AUXILIARY HYDRAULIC CONTROL, (See CONTROLS SECTION for Breakdown) | |
| 502 | | Ref | TILT AND FRAME LEVEL CONTROL, (See CONTROLS SECTION for Breakdown) | |

## FIGURE 8-19. OUTRIGGER CIRCUIT (G10-43A)

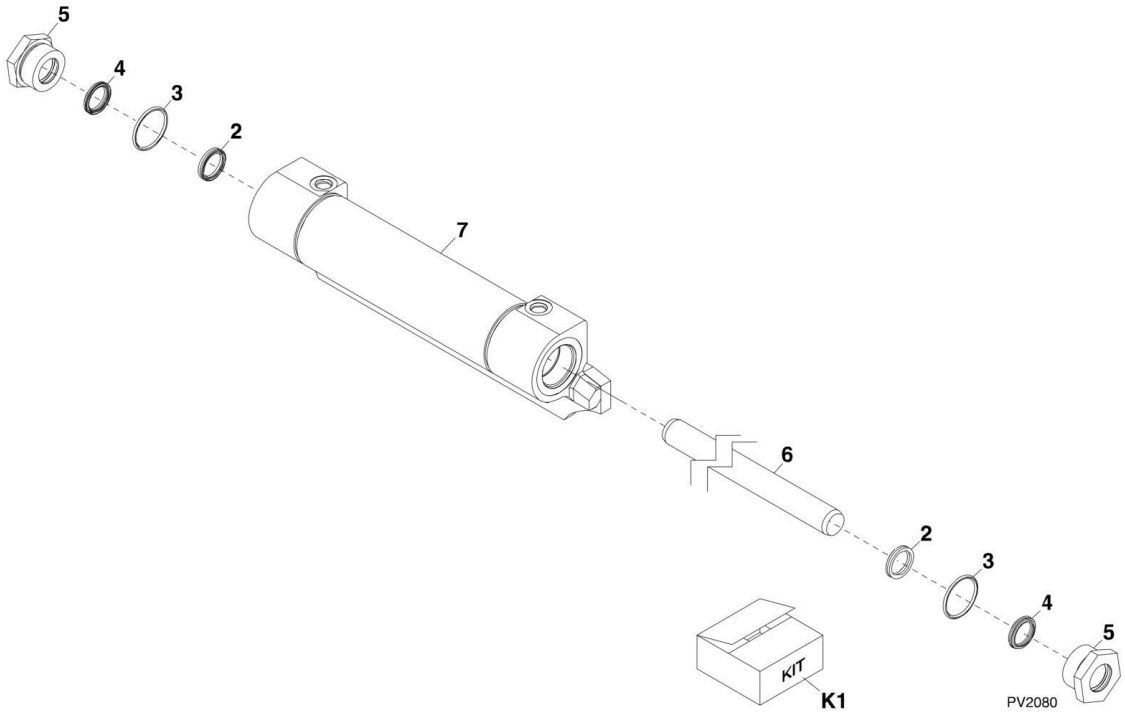


## FIGURE 8-19. OUTRIGGER CIRCUIT (G10-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 9 | 0641511 | 4 | HEX HD CAPSCREW, 5/16-18X1-3/8, GR5 | |
| 24 | 2170816 | 1 | ADAPTER, BRANCH TEE, (includes o-ring) | |
| 25 | 2171116 | 2 | FITTING, BULKHEAD UNION | |
| 38 | 4761600 | 8 | LOCKWASHER, 3/8 | |
| 53 | 77133140 | 4 | COVER PLATE | |
| 54 | 77133168 | 4 | CLAMP SET | |
| 56 | 88501006 | 4 | HEX NUT, 3/8-16 | |
| 63 | 1001105751 | 1 | HYDRAULIC PIPE | |
| 64 | 1001105752 | 1 | HYDRAULIC PIPE | |
| 65 | 1001105753 | 1 | HYDRAULIC PIPE | |
| 66 | 1001105755 | 1 | HYDRAULIC PIPE | |
| 67 | 1001105756 | 1 | HYDRAULIC PIPE | |
| 68 | 1001105757 | 1 | HYDRAULIC PIPE | |
| 69 | 1001105758 | 1 | HYDRAULIC PIPE | |
| 70 | 1001108288 | 1 | HYDRAULIC PIPE | |
| 78 | 1001122395 | 1 | HYDRAULIC PIPE | |
| 91 | | Ref | OUTRIGGER CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 92 | | Ref | OUTRIGGER MAIN CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 97 | 1001132704 | 1 | HOSE ASSY | |
| 106 | 1001137203 | 4 | CARRIAGE BOLT, 3/8-16X1-3/4 | |
| 114 | | Ref | OUTRIGGER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown) | |
| 115 | 1001165142 | 4 | HOSE ASSY | |
| 211 | 2111616 | 1 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 301 | 2110810 | 2 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 302 | 2111612 | 2 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 303 | 2130404 | 2 | ADAPTER, 90, (includes o-ring) | |
| 305 | 2130810 | 1 | ADAPTER, STRAIGHT, (includes o-ring) | |
| 306 | 2220240 | 3 | ADAPTER, PLUG | |
| 476 | | Ref | HYDRAULIC PRESSURE PIPE, (See SUPPLY CIRCUIT for Breakdown) | |

# SECTION 9 - HYDRAULIC COMPONENTS

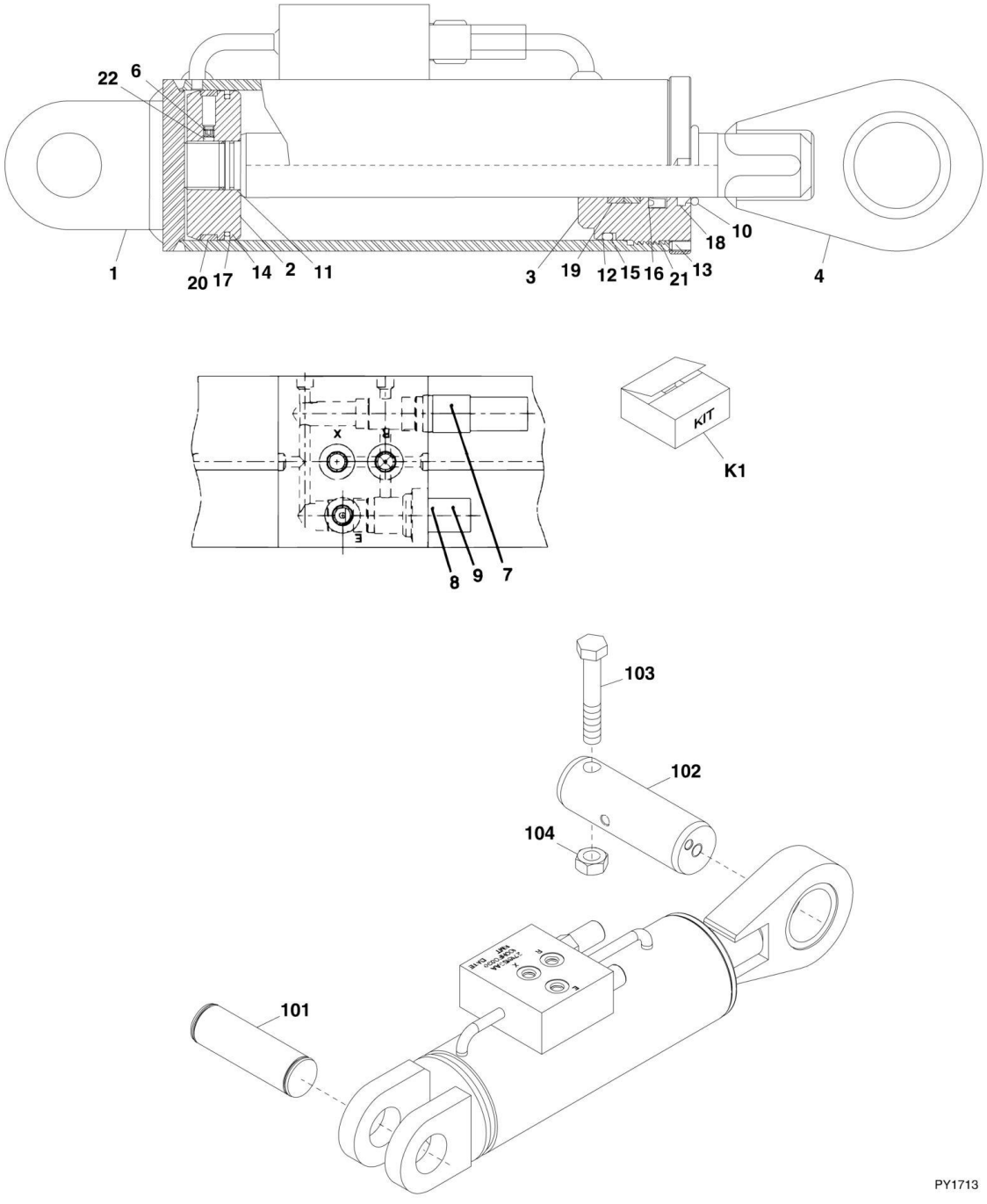
## FIGURE 9-1. CYLINDER - CARRIAGE (50IN SIDE SHIFT)



## FIGURE 9-1. CYLINDER - CARRIAGE (50IN SIDE SHIFT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 70024539 | 1 | 50IN SIDE SHIFT CARRIAGE CYLINDER, (includes all items) | B |
| 2 | Kit | 2 | ROD SEAL | |
| 3 | 70024547 | 2 | O-RING | |
| 4 | Kit | 2 | ROD WIPER SEAL | |
| 5 | 70024548 | 2 | RETAINER SEAL | |
| 6 | N.S.S. | 1 | ROD | |
| 7 | N.S.S. | 1 | BARREL | |
| K1 | 70024549 | 1 | SEAL KIT, (includes items 2 & 4) | |

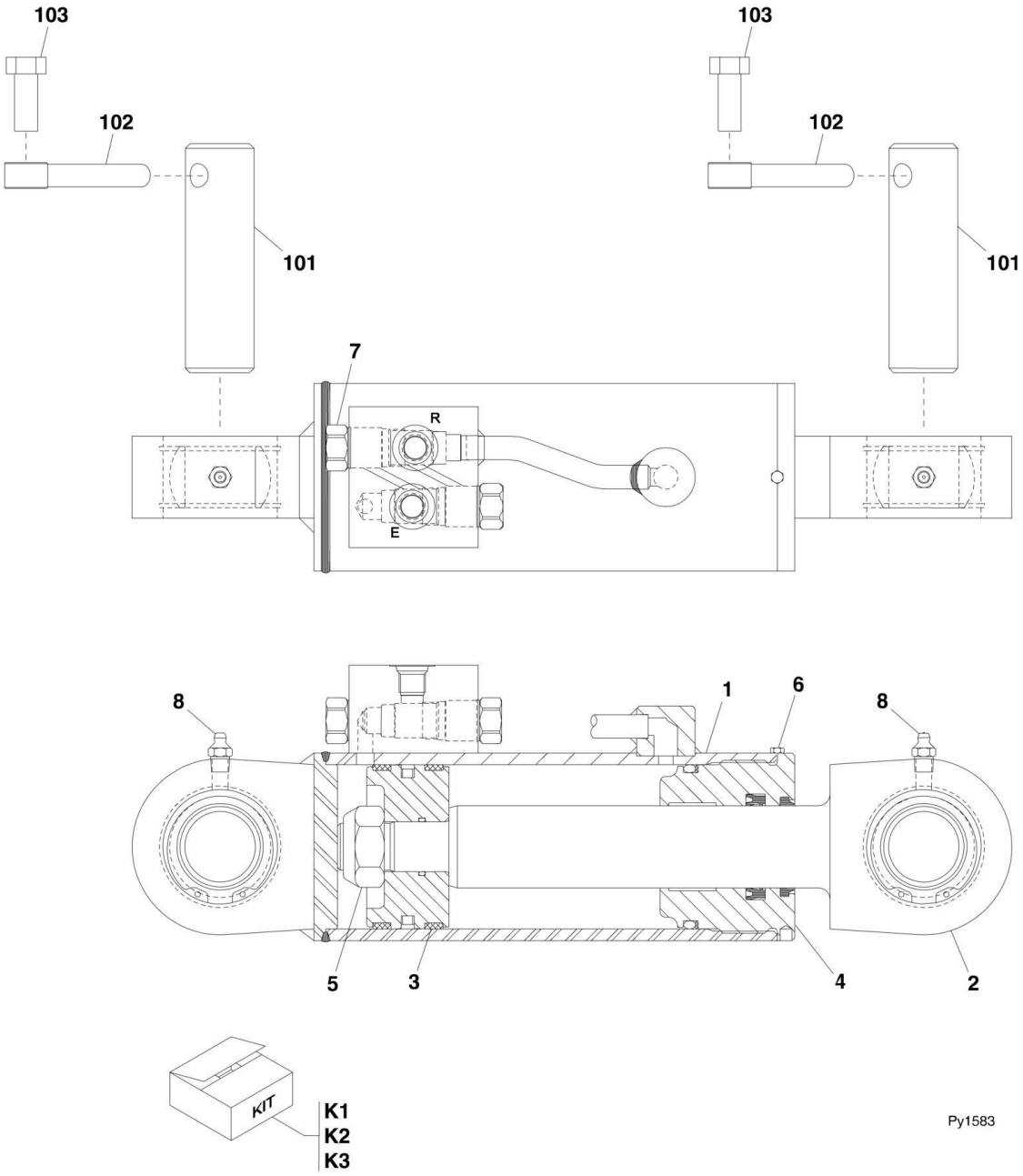
## FIGURE 9-2. CYLINDER - CARRIAGE (72IN 90 SWING)



## FIGURE 9-2. CYLINDER - CARRIAGE (72IN 90 SWING)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001103182 | 2 | 72IN 90 SWING CARRIAGE CYLINDER, (includes items 1 thru 22), (included item quantities are per single cylinder) | B |
| 1 | 70022044 | 1 | TUBE ASSY | |
| 2 | 8035863 | 1 | PISTON | |
| 3 | 8035862 | 1 | HEAD GLAND | |
| 4 | 70022045 | 1 | ROD ASSY | |
| 5 | 70022046 | 1 | BEARING, (not shown) | |
| 6 | 8035536 | 2 | SET SCREW, 5/16-18X1/2 | |
| 7 | 70020428 | 1 | RELIEF VALVE, (pre-set to 2000psi) | |
| 7 | 7024574 | 1 | SEAL KIT | |
| 8 | 8033786 | 1 | COUNTER BALANCE VALVE, (pre-set to 3000psi) | |
| 8 | 8205655 | 1 | SEAL KIT | |
| 9 | 70021812 | 1 | TAMPERPROOF CAP | |
| 11 | Kit | 1 | O-RING | |
| 12 | Kit | 1 | O-RING | |
| 13 | Kit | 1 | O-RING | |
| 14 | Kit | 1 | SQUARE RING | |
| 15 | Kit | 1 | BACK-UP RING | |
| 16 | Kit | 1 | SEAL | |
| 17 | Kit | 1 | PISTON SEAL | |
| 18 | Kit | 1 | ROD WIPER | |
| 19 | Kit | 2 | WEAR BAND | |
| 20 | Kit | 1 | WEAR BAND | |
| 21 | Kit | 2 | INSERT | |
| 22 | Kit | 2 | INSERT | |
| 101 | 7110722 | 2 | CYLINDER PIN, (base end) | |
| 102 | 7110712 | 2 | CYLINDER PIN, (rod end) | |
| 103 | 8303634 | 2 | HEX HD CAPSCREW, 5/8-11X4, GR5 | |
| 104 | 8305643 | 2 | HEX NUT, 5/8-11 | |
| K1 | 2915023 | 1 | SEAL KIT, (includes items 11 thru 22) | |

## FIGURE 9-3. CYLINDER - CARRIAGE (SIDE TILT) (Prior to SN 0160066391, Excluding 0160065311)

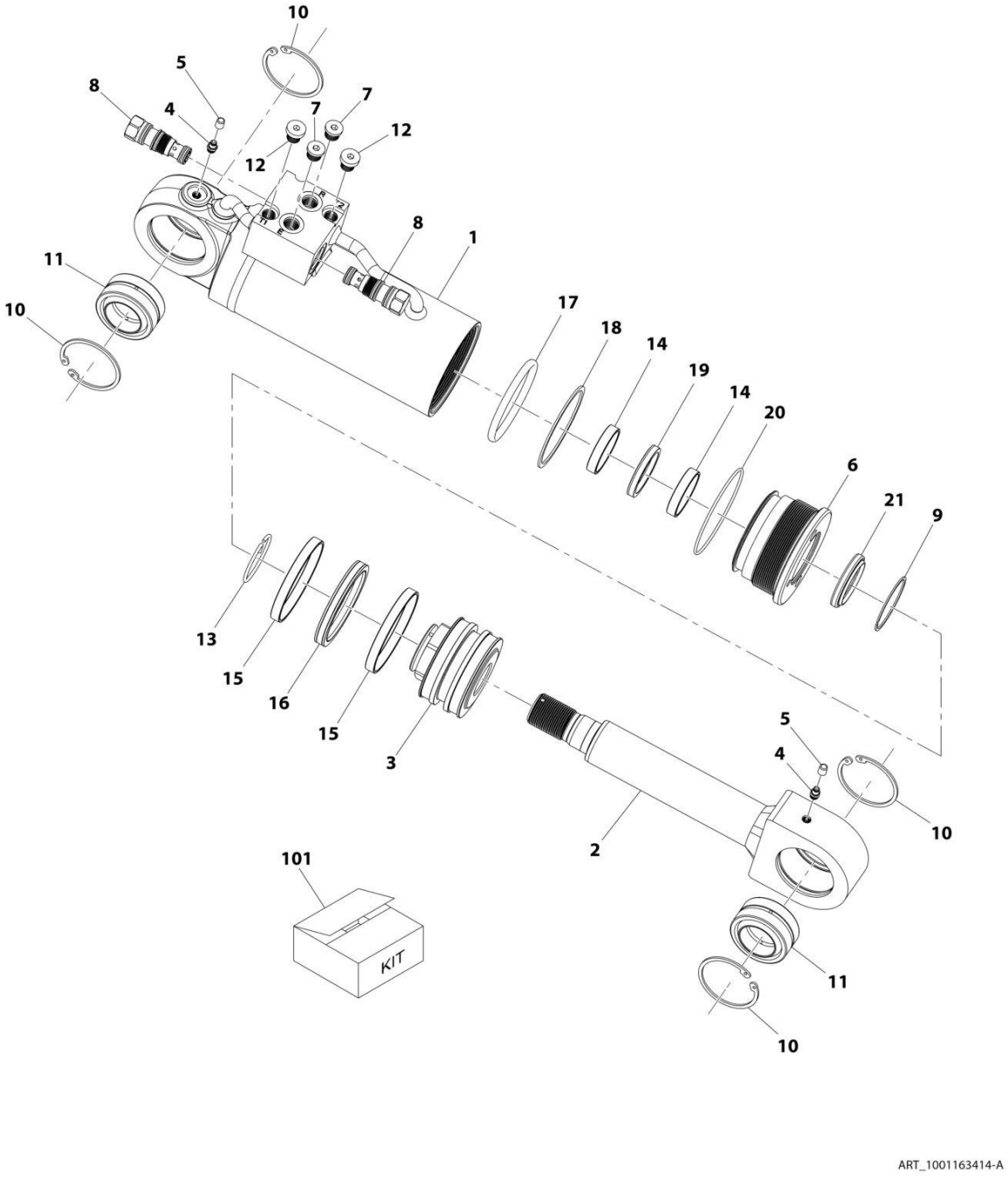


## FIGURE 9-3. CYLINDER - CARRIAGE (SIDE TILT) (Prior to SN 0160066391, Excluding 0160065311)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001090134 | 1 | SIDE TILT CARRIAGE CYLINDER, (includes items 1 thru 8) | C |
| 1 | 70022038 | 1 | BARREL ASSY | |
| 2 | 70022039 | 1 | ROD ASSY | |
| 3 | 70022040 | 1 | PISTON | |
| 4 | 70024002 | 1 | ROD BEARING | |
| 5 | 90022230 | 1 | HEX NUT | |
| 6 | 7029760 | 1 | CAPSCREW | |
| 7 | 4640438 | 2 | CHECK VALVE | |
| 7 | 2900770 | 1 | SEAL KIT | |
| 8 | 91044080 | 2 | GREASE FITTING | |
| 101 | 3423307 | 2 | CYLINDER PIN | |
| 102 | 3841203 | 2 | KEEPER | |
| 103 | 0681810 | 2 | HEX HD CAPSCREW, 1/2-13X1-1/4, GR8 | |
| K1 | 70022041 | 1 | SEAL KIT, (includes kits K2 & K3) | |
| K2 | 70022042 | 1 | PISTON SEAL KIT | |
| K3 | 70022043 | 1 | ROD BEARING SEAL KIT | |

# SECTION 9 - HYDRAULIC COMPONENTS

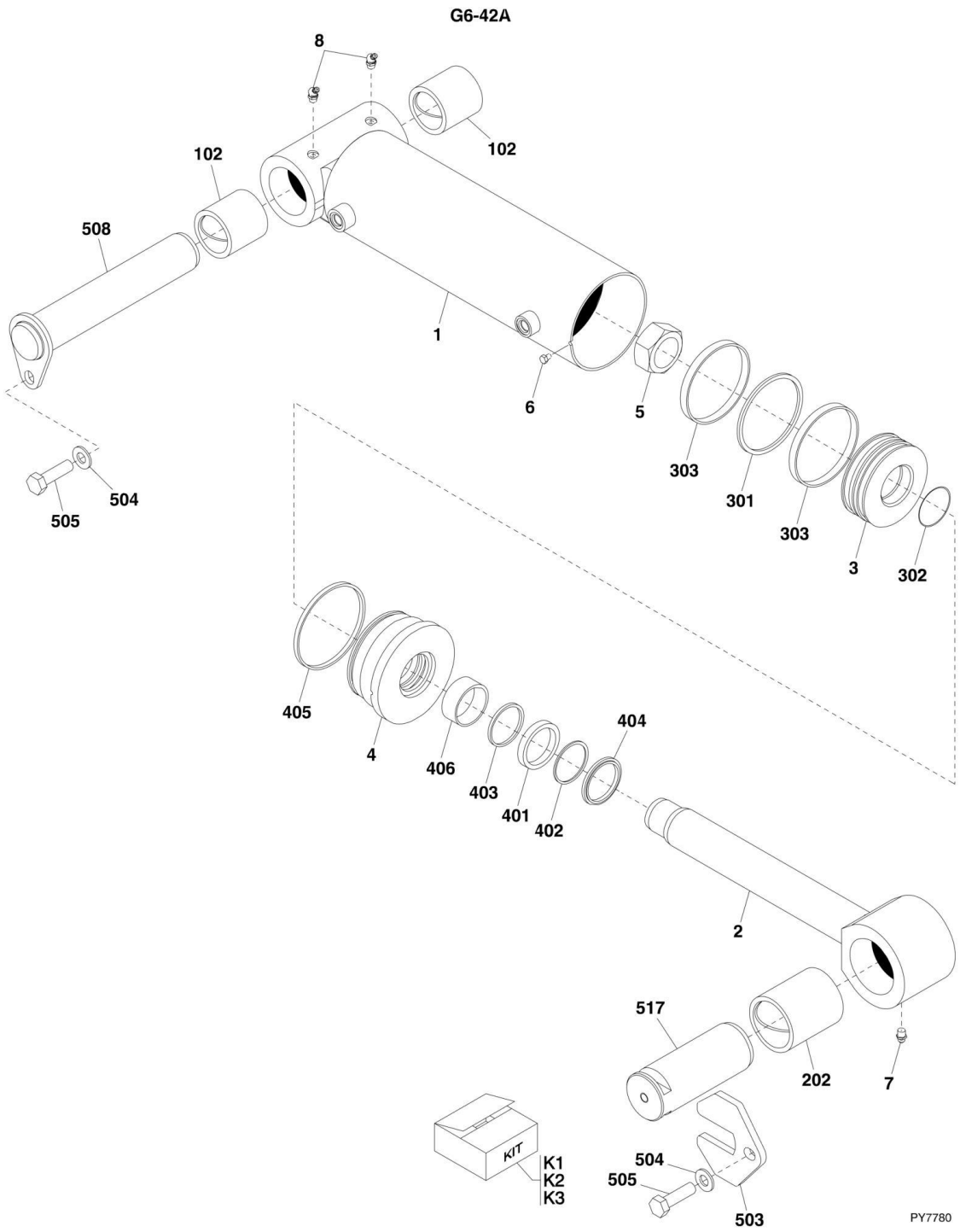
## FIGURE 9-4. CYLINDER - CARRIAGE (SIDE TILT) (SN 0160066391 to Present, Including 0160065311)



## FIGURE 9-4. CYLINDER - CARRIAGE (SIDE TILT) (SN 0160066391 to Present, Including 0160065311)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001163414 | Ref | SIDE TILT CARRIAGE CYLINDER, (includes all items) | A |
| 1 | 70026056 | 1 | BARREL | |
| 2 | 70026057 | 1 | ROD | |
| 3 | 70026058 | 1 | SCREWED PISTON HEAD, 90MM | |
| 4 | 70025606 | 2 | GREASE NIPPLE | |
| 5 | 70024020 | 2 | GREASER PROTECTOR | |
| 6 | 70003849 | 1 | GLAND | |
| 7 | 70025959 | 2 | BLANKING SCREW | |
| 8 | 70026059 | 2 | P/O CHECK VALVE | |
| 9 | 70002219 | 1 | INTERNAL SNAP RING | |
| 10 | 70026060 | 4 | INTERNAL SNAP RING | |
| 11 | 70026061 | 2 | SPHERICAL BEARING | |
| 12 | 70024262 | 2 | BLANKING SCREW | |
| 13 | 70002224 | 1 | LOCKING RING | |
| 14 | Kit | 2 | ROD BEARING RING | |
| 15 | Kit | 2 | PISTON BEARING RING | |
| 16 | Kit | 1 | PISTON SEAL | |
| 17 | Kit | 1 | O-RING | |
| 18 | Kit | 1 | BACK UP RING | |
| 19 | Kit | 1 | ROD SEAL | |
| 20 | Kit | 1 | O-RING | |
| 21 | Kit | 1 | WIPER SEAL | |
| 101 | 70026062 | 1 | SEAL KIT, (includes items 14 thru 21) | |

## FIGURE 9-5. CYLINDER - COMPENSATION (G6-42A) (Prior to SN 0160057586)



## FIGURE 9-5. CYLINDER - COMPENSATION (G6-42A) (Prior to SN 0160057586)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91413154 | 1 | COMPENSATION CYLINDER (includes items 1 thru 8) | C |
| 1 | 7029866 | 1 | BARREL ASSY, (includes item 102) | |
| 2 | 7029869 | 1 | ROD ASSY, (includes item 202) | |
| 3 | 7029868 | 1 | PISTON ASSY, (includes items 301 thru 303) | |
| 4 | 7029870 | 1 | ROD BEARING ASSY, (includes items 401 thru 406) | |
| 5 | 91014066 | | NUT, (torque to 990-1210 lb-ft/1342-1640 Nm) | |
| 6 | 7029760 | 1 | CAPSCREW | |
| 7 | 91044080 | 1 | GREASE FITTING | |
| 8 | 70021913 | 2 | GREASE FITTING | |
| 102 | 7029871 | 2 | BUSHING | |
| 202 | 7029872 | 1 | BUSHING | |
| 301 | Kit | 1 | PISTON SEAL | |
| 302 | Kit | 1 | O-RING | |
| 303 | Kit | 2 | WEAR RING | |
| 401 | Kit | 1 | ROD SEAL | |
| 402 | Kit | 1 | BACK-UP | |
| 403 | Kit | 1 | BUFFER | |
| 404 | Kit | 1 | WIPER | |
| 405 | Kit | 1 | SEAL | |
| 406 | Kit | 1 | WEAR RING | |
| 503 | 91471240 | 1 | KEEPER PLATE | |
| 504 | 4891800 | 2 | HARDENED WASHER, 1/2 | |
| 505 | 0681810 | 2 | HEX HD CAPSCREW, 1/2-13X1-1/4, GR8 | |
| 508 | 1001142989 | 1 | CYLINDER PIN | |
| 517 | 91513282 | 1 | CYLINDER PIN | |
| K1 | 7029873 | 1 | PISTON SEAL KIT, (includes items 301 thru 303) | |
| K2 | 7029874 | 1 | ROD BEARING SEAL KIT, (includes items 401 thru 406) | |
| K3 | 7029821 | 1 | CYLINDER SEAL KIT, (includes items 301 thru 406) | |

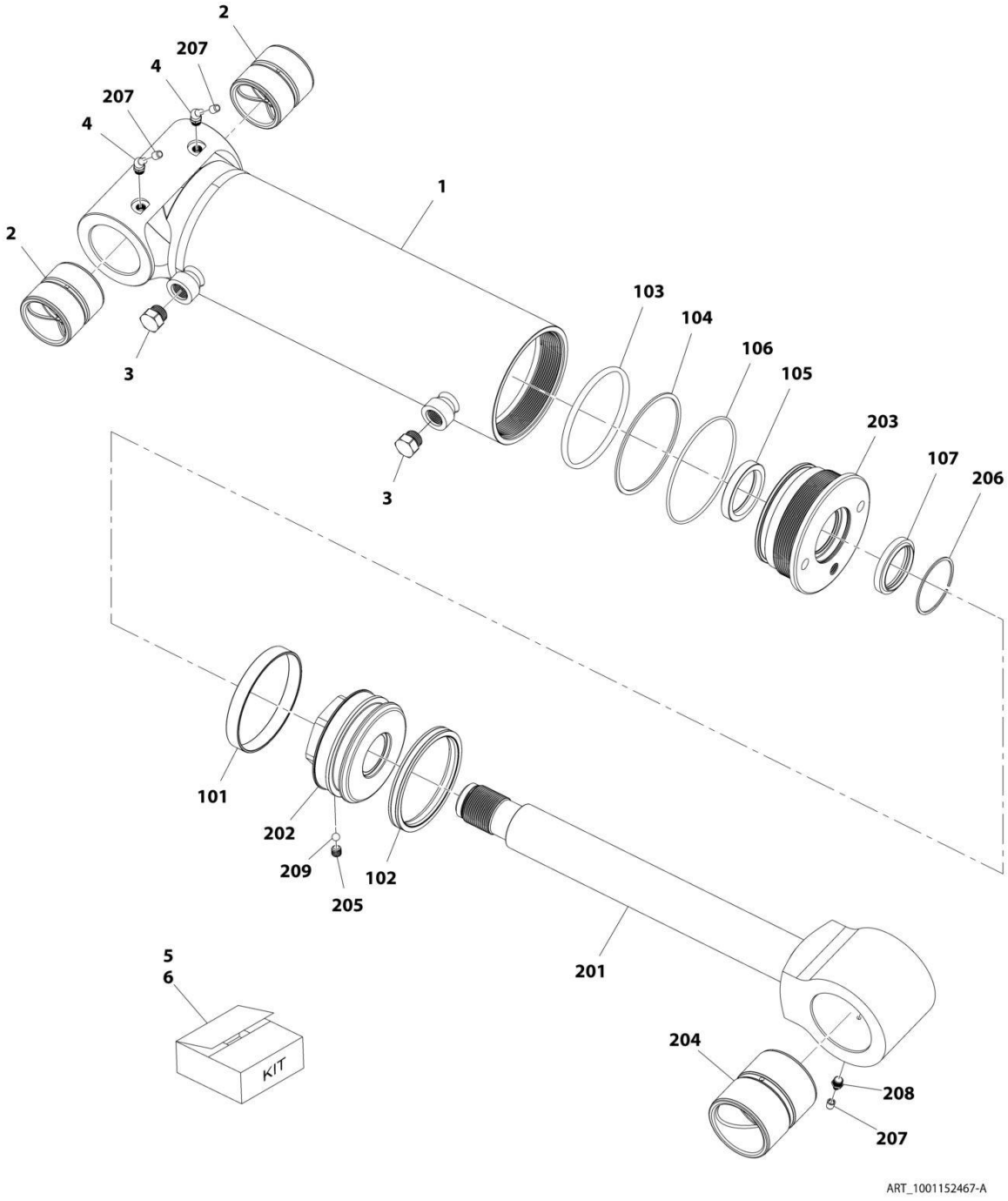
## FIGURE 9-6. CYLINDER - COMPENSATION (ARCTIC) (G6-42A) (Prior to SN 0160057586)

**NOTE: INFORMATION IS NOT AVAILABLE AT THE TIME OF PUBLISHING**

## FIGURE 9-6. CYLINDER - COMPENSATION (ARCTIC) (G6-42A) (Prior to SN 0160057586)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001158759 | Ref | COMPENSATION CYLINDER, (G6-42A) (ARCTIC) | A |

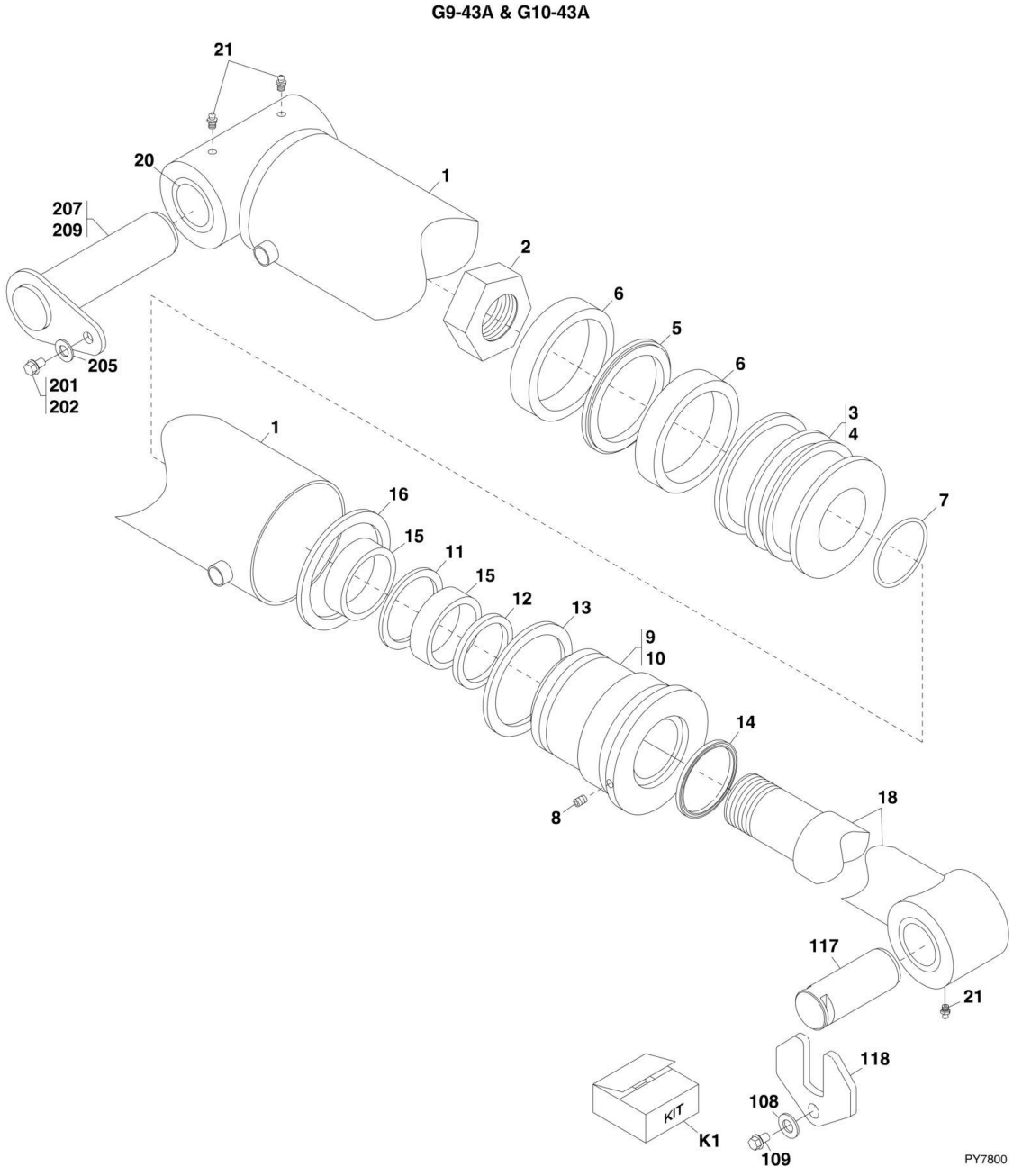
## FIGURE 9-7. CYLINDER - COMPENSATION (ARCTIC) (G6-42A) (SN 0160057586 to Present)



## FIGURE 9-7. CYLINDER - COMPENSATION (ARCTIC) (G6-42A) (SN 0160057586 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152467 | 1 | COMPENSATION CYLINDER (ARCTIC) | A |
| 1 | 70025963 | 1 | BARREL | |
| 2 | 70025955 | 2 | BUSHING | |
| 3 | 70025965 | 2 | BLANKING PLUG | |
| 4 | 70025966 | 2 | GREASE FITTING | |
| 5 | 70025962 | 1 | SEAL KIT (includes items 101 thru 107) | |
| 101 | Kit | 1 | PISTON HEAD BEARING RING | |
| 102 | Kit | 1 | PISTON SEAL | |
| 103 | Kit | 1 | O-RING | |
| 104 | Kit | 1 | BACK UP RING | |
| 105 | Kit | 1 | ROD SEAL | |
| 106 | Kit | 1 | O-RING | |
| 107 | Kit | 1 | WIPER | |
| 6 | 70027023 | 1 | ROD, PISTON HEAD KIT (includes items 201 thru 209) | |
| 201 | Kit | 1 | ROD (not available outside of 70027023 Assy) | |
| 202 | 70025952 | 1 | PISTON ASSY | |
| 203 | 70025953 | 1 | GLAND | |
| 204 | 70025954 | 1 | BUSHING | |
| 205 | 70025956 | 1 | LOCKING SCREW | |
| 206 | 70023101 | 1 | SNAP RING | |
| 207 | 70024020 | 3 | GREASE FITTING | |
| 208 | 70025957 | 1 | GREASE NIPPLE | |
| 209 | 70025614 | 1 | BALL | |

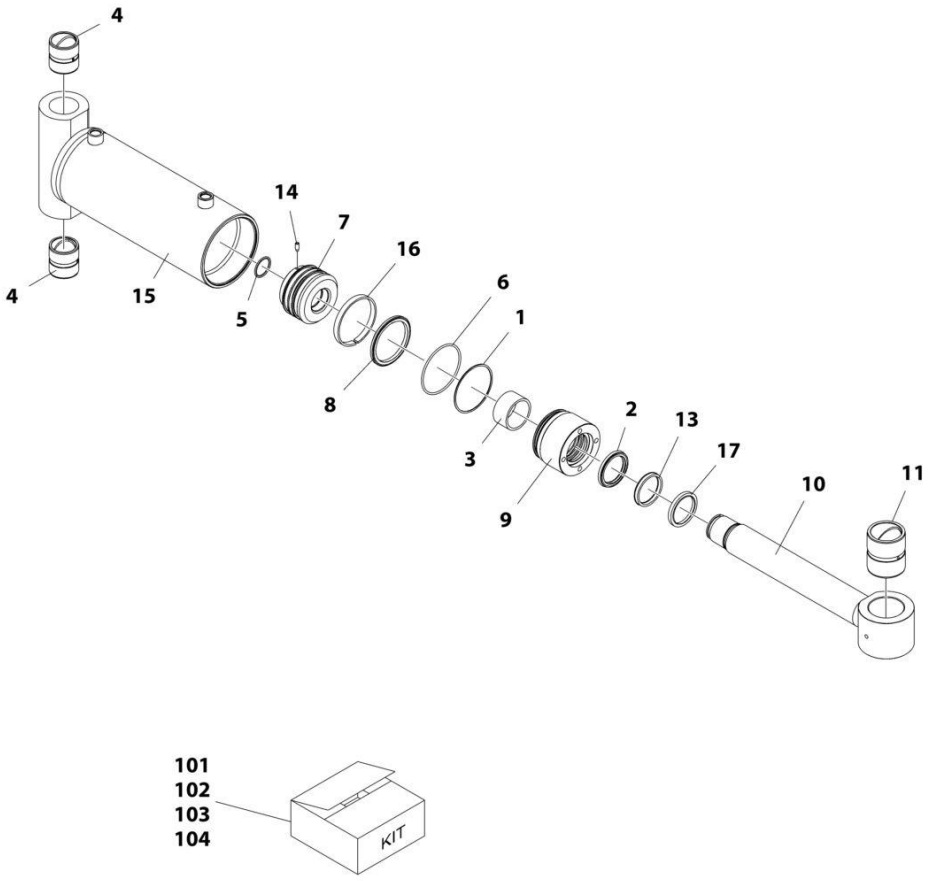
## FIGURE 9-8. CYLINDER - COMPENSATION (G10-43A,G9-43A)



## FIGURE 9-8. CYLINDER - COMPENSATION (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91513272 | 1 | COMPENSATION CYLINDER (includes items 1 thru 21) **(Prior to SN 0160060644, Excluding 0160056536, 0160056537, 0160060633 and 0160060635)** | D |
| 1 | 70022053 | 1 | BARREL ASSY, (includes item 20) | |
| 2 | 10727280 | 1 | LOCKNUT, (torque to 1550-1810 lb-ft/2101-2454 Nm) | |
| 3 | 70022055 | 1 | PISTON ASSY, (includes items 4 thru 7) | |
| 4 | N.S.S. | 1 | PISTON | |
| 5 | Kit | 1 | PISTON SEAL | |
| 6 | Kit | 2 | WEAR RING | |
| 7 | Kit | 1 | O-RING | |
| 8 | 7029760 | 1 | CAPSCREW | |
| 9 | 70022056 | 1 | ROD BEARING ASSY, (includes items 10 thru 16) | |
| 10 | N.S.S. | 1 | ROD BEARING, (torque to 550-600 lb-ft/745-813 Nm) | |
| 11 | Kit | 1 | BUFFER SEAL | |
| 12 | Kit | 1 | ROD SEAL | |
| 13 | Kit | 1 | PISTON SEAL | |
| 14 | Kit | 1 | WIPER | |
| 15 | Kit | 2 | WEAR RING | |
| 16 | Kit | 1 | O-RING | |
| 18 | 70022054 | 1 | ROD ASSY, (includes item 19) | |
| 19 | 7029872 | 1 | BUSHING, (manganese phosphate coating) | |
| 20 | 7029871 | 2 | BUSHING, (manganese phosphate coating) | |
| 21 | 91044080 | 3 | GREASE FITTING | |
| 108 | 4891800 | 1 | HARDENED WASHER, 1/2 | |
| 109 | 0681810 | 1 | HEX HD CAPSCREW, 1/2-13X1-1/4, GR8, (torque to 100-110 lb-ft/136-149 Nm) | |
| 117 | 91513282 | 1 | CYLINDER PIN | |
| 118 | 91471240 | 1 | KEEPER PLATE | |
| 201 | 0100011 | AR | LOCTITE 242 | |
| 202 | 0681810 | 1 | HEX HD CAPSCREW, 1/2-13X1-1/4, GR8, (torque to 100-110 lb-ft/136-149 Nm) | |
| 205 | 4891800 | 1 | HARDENED WASHER, 1/2 | |
| 207 | 14403323 | AR | NEVER-SEEZ LUBE | |
| 209 | 91513280 | 1 | CYLINDER PIN | |
| K1 | 70024012 | 1 | SEAL KIT, (includes items 5 thru 7 & 11 thru 16) | |

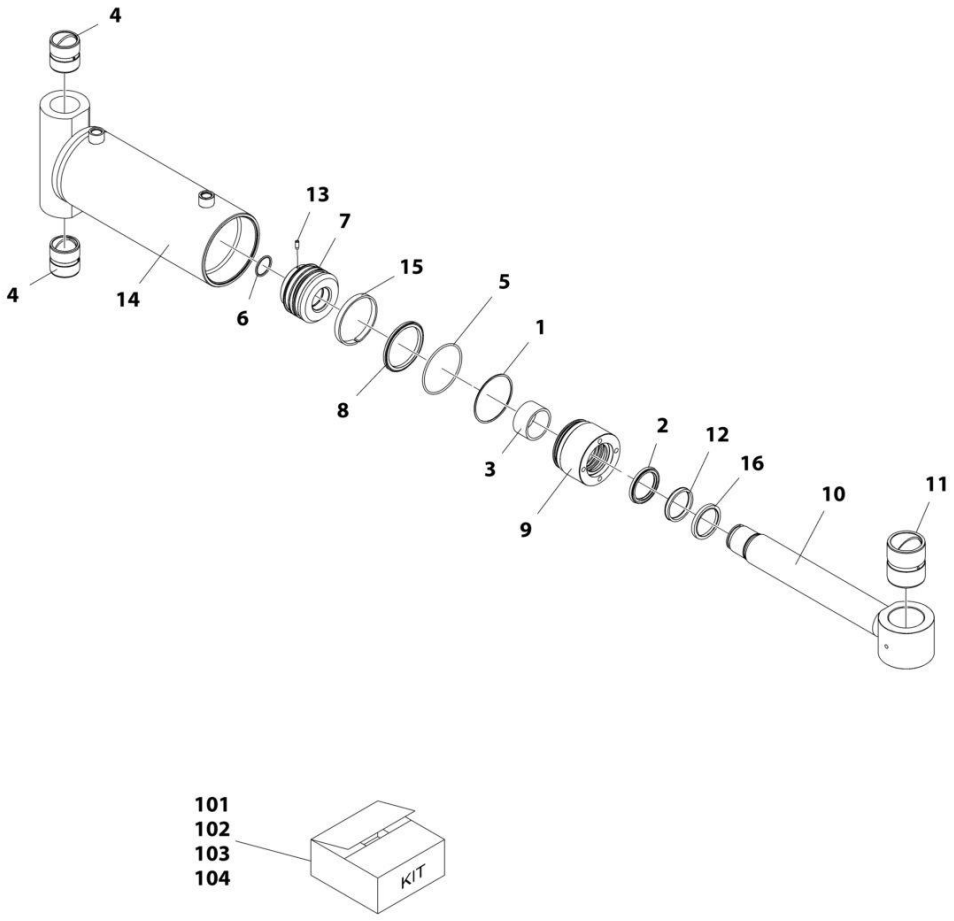
## FIGURE 9-9. CYLINDER - COMPENSATION (G10-43A,G9-43A)



## FIGURE 9-9. CYLINDER - COMPENSATION (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001140446 | 1 | COMPENSATION CYLINDER (includes items 1 thru 17) **(SN 0160060644 to Present, Including 0160056536, 0160056537, 0160060633 and 0160060635)** | B |
| 1 | Kit | 1 | BACK-UP RING | |
| 2 | Kit | 1 | BUFFER RING | |
| 3 | Kit | 1 | BUSHING | |
| 4 | 70025918 | 2 | HEAD END BUSHING | |
| 5 | Kit | 1 | O-RING | |
| 6 | Kit | 1 | O-RING | |
| 7 | Kit | 1 | PISTON | |
| 8 | Kit | 1 | PISTON SEAL | |
| 9 | Kit | 1 | RETAINER | |
| 10 | Kit | 1 | ROD | |
| 11 | Kit | 1 | ROD END BUSHING | |
| 13 | Kit | 1 | ROD SEAL | |
| 14 | Kit | 1 | SET SCREW | |
| 15 | 70025919 | 1 | BARREL | |
| 16 | Kit | 1 | WEAR RING | |
| 17 | Kit | 1 | WIPER | |
| 101 | 70025920 | 1 | SERVICE KIT, (includes items 1,2,3,5,6,8,13,16,17) | |
| 102 | 70025921 | 1 | RETAINER SUB ASSY, (includes items 1,2,3,5,9,13,17) | |
| 103 | 70025922 | 1 | PISTON SUB ASSY, (includes items 7,8,14,16) | |
| 104 | 70025923 | 1 | ROD SERVICE KIT, (includes items 10,11,12) | |

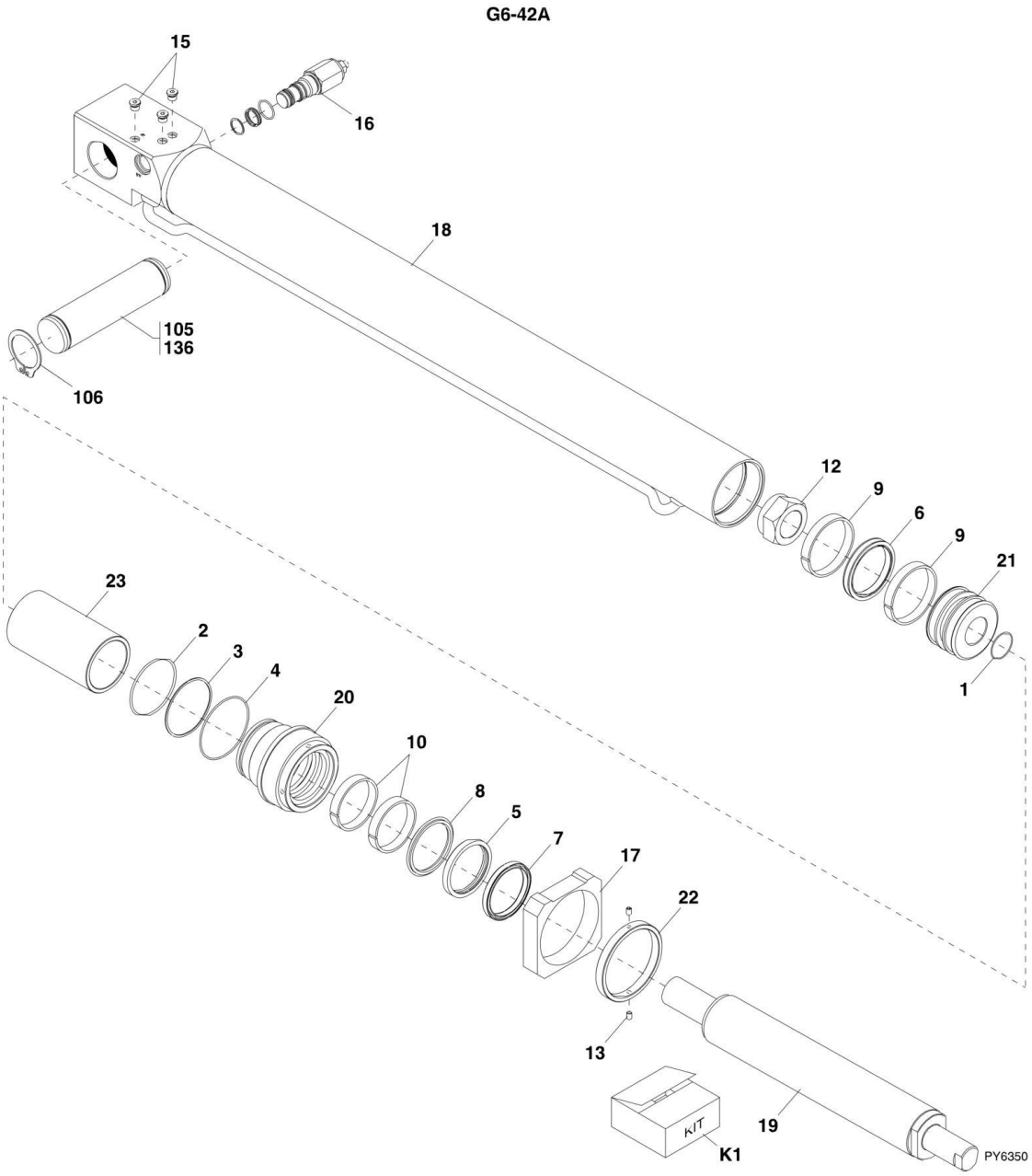
## FIGURE 9-10. CYLINDER - COMPENSATION (ARCTIC) (G10-43A,G9-43A)



## FIGURE 9-10. CYLINDER - COMPENSATION (ARCTIC) (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001174531 | 1 | COMPENSATION CYLINDER (ARCTIC) | B |
| 1 | Kit | 1 | BACK-UP RING | |
| 2 | Kit | 1 | BUFFER RING | |
| 3 | Kit | 1 | BUSHING | |
| 4 | 70025918 | 2 | HEAD END BUSHING | |
| 5 | Kit | 1 | O-RING | |
| 6 | Kit | 1 | O-RING | |
| 7 | Kit | 1 | PISTON | |
| 8 | Kit | 1 | PISTON SEAL | |
| 9 | Kit | 1 | RETAINER | |
| 10 | Kit | 1 | ROD | |
| 11 | Kit | 1 | ROD END BUSHING | |
| 12 | Kit | 1 | ROD SEAL | |
| 13 | Kit | 1 | SET SCREW | |
| 14 | 70025919 | 1 | BARREL | |
| 15 | Kit | 1 | WEAR RING | |
| 16 | Kit | 1 | WIPER | |
| 101 | 70025934 | 1 | SERVICE KIT, (includes items 1,2,3,5,6,8,13,16,17) | |
| 102 | 70025935 | 1 | RETAINER KIT, (includes items 1,2,3,5,9,13,17) | |
| 103 | 70025922 | 1 | PISTON KIT, (includes items 7,8,14,16) | |
| 104 | 70025923 | 1 | ROD SERVICE KIT, (includes items 10,11,12) | |

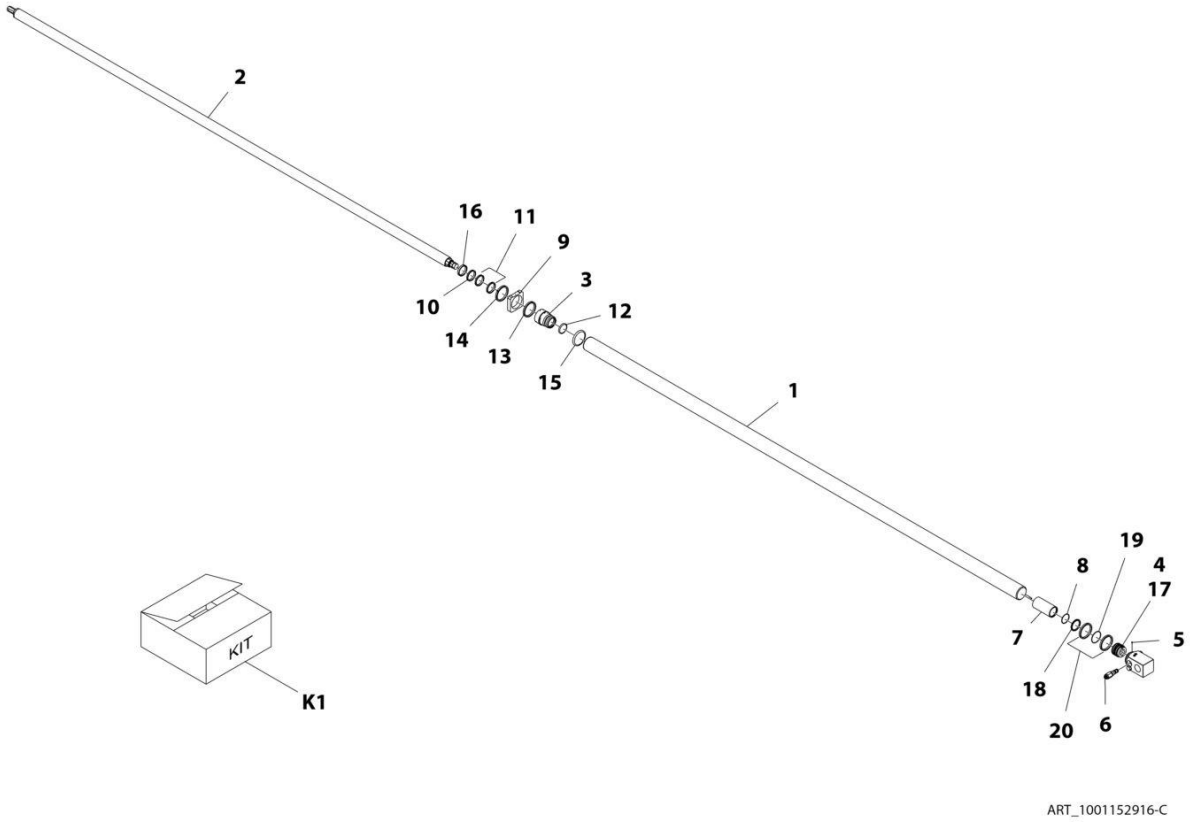
## FIGURE 9-11. CYLINDER - EXTEND/RETRACT (G6-42A) (Prior to SN 0160057307)



## FIGURE 9-11. CYLINDER - EXTEND/RETRACT (G6-42A) (Prior to SN 0160057307)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91473230 | NLA | EXTEND/RETRACT CYLINDER, (no longer available, use items 1 thru 23 for service) | C |
| 1 | Kit | 1 | O-RING | |
| 2 | Kit | 1 | O-RING | |
| 3 | Kit | 1 | BACK-UP RING | |
| 4 | Kit | 1 | O-RING | |
| 5 | Kit | 1 | SEAL | |
| 6 | Kit | 1 | SEAL | |
| 7 | Kit | 1 | WIPER | |
| 8 | Kit | 1 | SEAL | |
| 9 | Kit | 2 | WEAR RING | |
| 10 | Kit | 2 | WEAR RING | |
| 12 | 7003226 | 1 | LOCKNUT | |
| 13 | 70021774 | 2 | SET SCREW | |
| 15 | 7005365 | 3 | PORT PLUG | |
| 16 | 1001109225 | 1 | COUNTERBALANCE VALVE | |
| 17 | 70021772 | 1 | WEAR PAD | |
| 18 | 70021771 | 1 | TUBE ASSY | |
| 19 | 70021770 | 1 | ROD | |
| 20 | 70021769 | 1 | HEAD | |
| 21 | 70021768 | 1 | PISTON | |
| 22 | 70021767 | 1 | COLLAR | |
| 23 | 70021766 | 1 | SPACER | |
| 105 | 91403022 | 1 | EXTEND/RETRACT CYLINDER PIN | |
| 106 | 88581149 | 2 | RETAINING RING | |
| 136 | 14403323 | AR | NEVER SEEZE LUBE | |
| K1 | 70021775 | 1 | SEAL KIT, (includes items 1 thru 10) | |

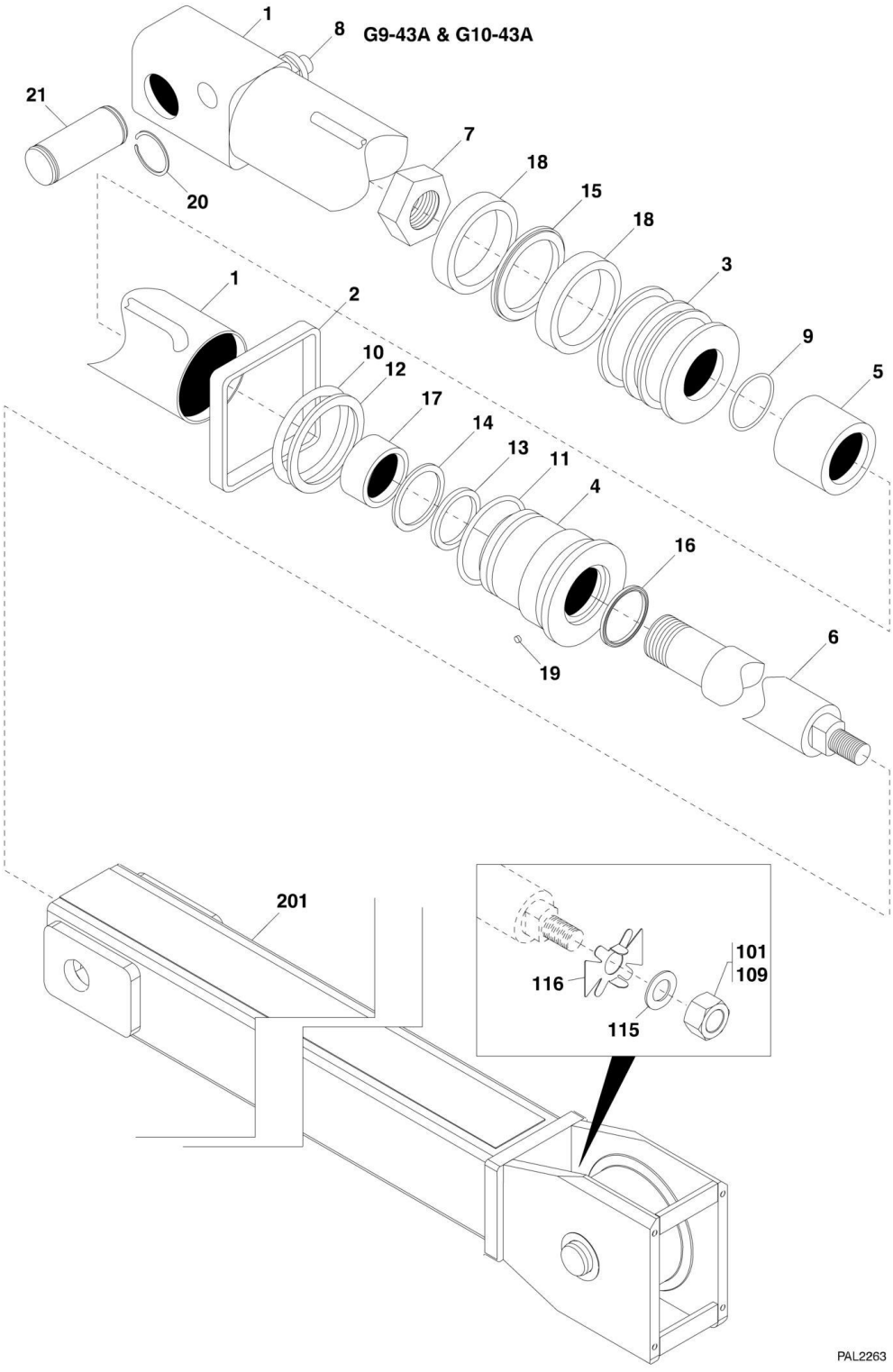
## FIGURE 9-12. CYLINDER - EXTEND/RETRACT (G6-42A) (SN 0160057307 to Present)



## FIGURE 9-12. CYLINDER - EXTEND/RETRACT (G6-42A) (SN 0160057307 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152916 | 1 | EXTEND/RETRACT CYLINDER, (includes items 1 thru 20) | C |
| 1 | 70025320 | 1 | BARREL ASSY | |
| 2 | 70025321 | 1 | ROD ASSY | |
| 3 | 70025322 | 1 | ROD GUIDE | |
| 4 | 70025323 | 1 | PISTON | |
| 5 | 70023915 | 2 | SCREW | |
| 6 | 1001109225 | 1 | COUNTERBALANCE VALVE | |
| 7 | 70025324 | 1 | SPACER | |
| 8 | 70025325 | 1 | RING | |
| 9 | 70025326 | 1 | WEAR RING | |
| 10 | 70025327 | 1 | GLAND | |
| 11 | Kit | 2 | BEARING | |
| 12 | Kit | 1 | O-RING | |
| 13 | Kit | 1 | BACK-UP RING | |
| 14 | Kit | 1 | ROD SEAL | |
| 15 | Kit | 1 | O-RING | |
| 16 | Kit | 1 | WIPER | |
| 17 | Kit | 2 | BEARING | |
| 18 | Kit | 1 | PISTON SEAL | |
| 19 | Kit | 1 | O-RING | |
| 20 | Kit | 2 | BACK-UP RING | |
| K1 | 70025328 | 1 | SEAL KIT, (includes items 11 thru 20) | |

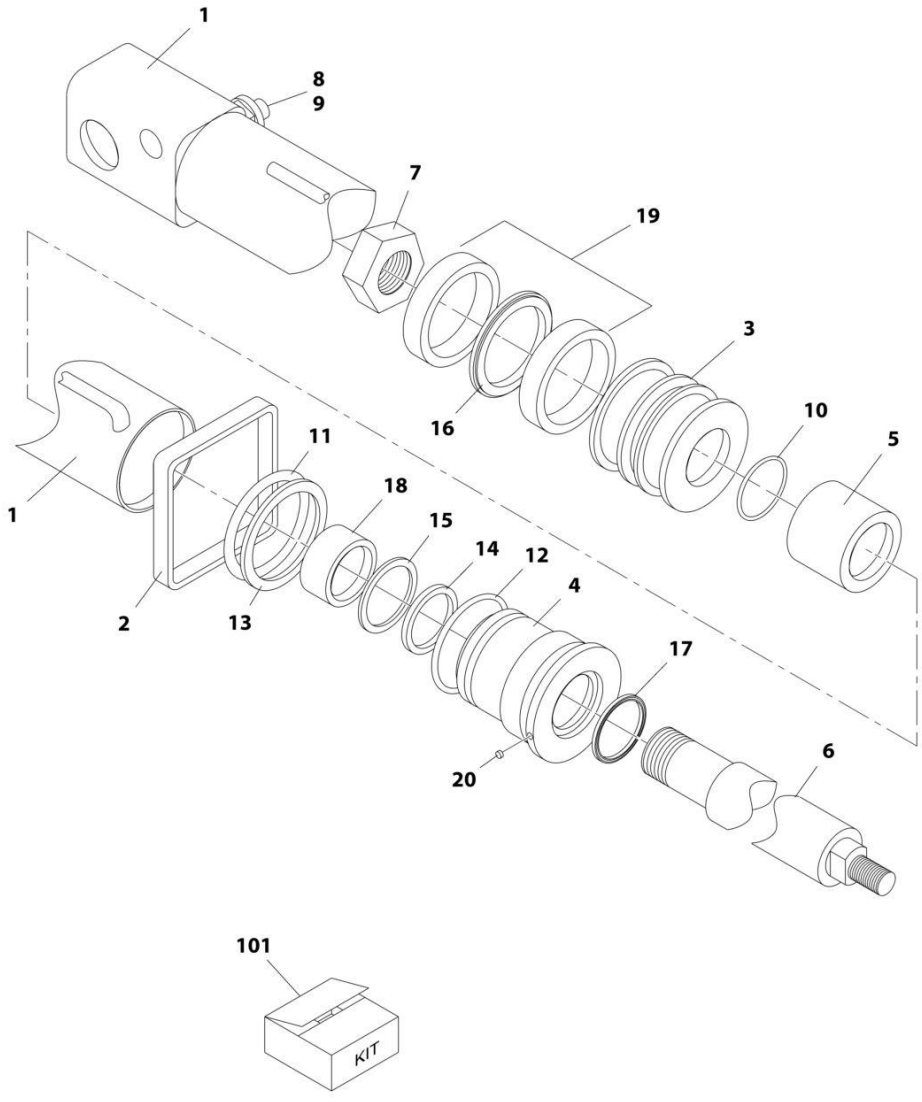
## FIGURE 9-13. CYLINDER - EXTEND/RETRACT (G10-43A,G9-43A)



## FIGURE 9-13. CYLINDER - EXTEND/RETRACT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91513276 | 1 | EXTEND/RETRACT CYLINDER (includes items thru 19) | B |
| 1 | 70022852 | 1 | CASE ASSY | |
| 2 | 70022853 | 1 | WEAR WASHER | |
| 3 | 70022854 | 1 | PISTON | |
| 4 | 70022855 | 2 | HEAD GLAND, (torque to 300-400 lb-ft/406-542 Nm) | |
| 5 | 70022856 | 1 | ROD SPACER | |
| 6 | 70022857 | 1 | SHAFT ASSY | |
| 7 | 8035865 | 1 | LOCKNUT, (torque to 745-825 lb-ft/1010-1119 Nm) | |
| 8 | 4641312 | 1 | HOLDING VALVE, (torque to 105-115 lb-ft/142-156 Nm) | |
| 8 | 91514251 | 1 | SEAL KIT | |
| 9 | Kit | 1 | O-RING | |
| 10 | Kit | 1 | O-RING | |
| 11 | Kit | 1 | O-RING | |
| 12 | Kit | 1 | BACKUP RING | |
| 13 | Kit | 1 | U-CUP | |
| 14 | Kit | 1 | BUFFER SEAL | |
| 15 | Kit | 1 | T-SEAL | |
| 16 | Kit | 1 | WIPER | |
| 17 | Kit | 1 | WEAR BAND | |
| 18 | Kit | 1 | WEAR BAND | |
| 19 | Kit | 1 | LOCKING INSERT | |
| 20 | 88581149 | 2 | RETAINING RING | |
| 21 | 91141124 | 1 | CYLINDER PIN | |
| 101 | 0100011 | AR | LOCTITE 242 | |
| 109 | 88501022 | 1 | HEX NUT, 1-3/8-12, (torque to 155-195 lb-ft/210-264 Nm) | |
| 115 | 91403065 | 1 | WASHER | |
| 116 | 91511142 | 1 | WASHER TAB | |
| 201 | | Ref | PUSH BEAM/EXTEND CHAIN, (See PUSH BEAM/EXTEND CHAIN for Breakdown) | |
| K1 | 70022858 | 1 | SEAL KIT, (includes items 9 thru 19) | |

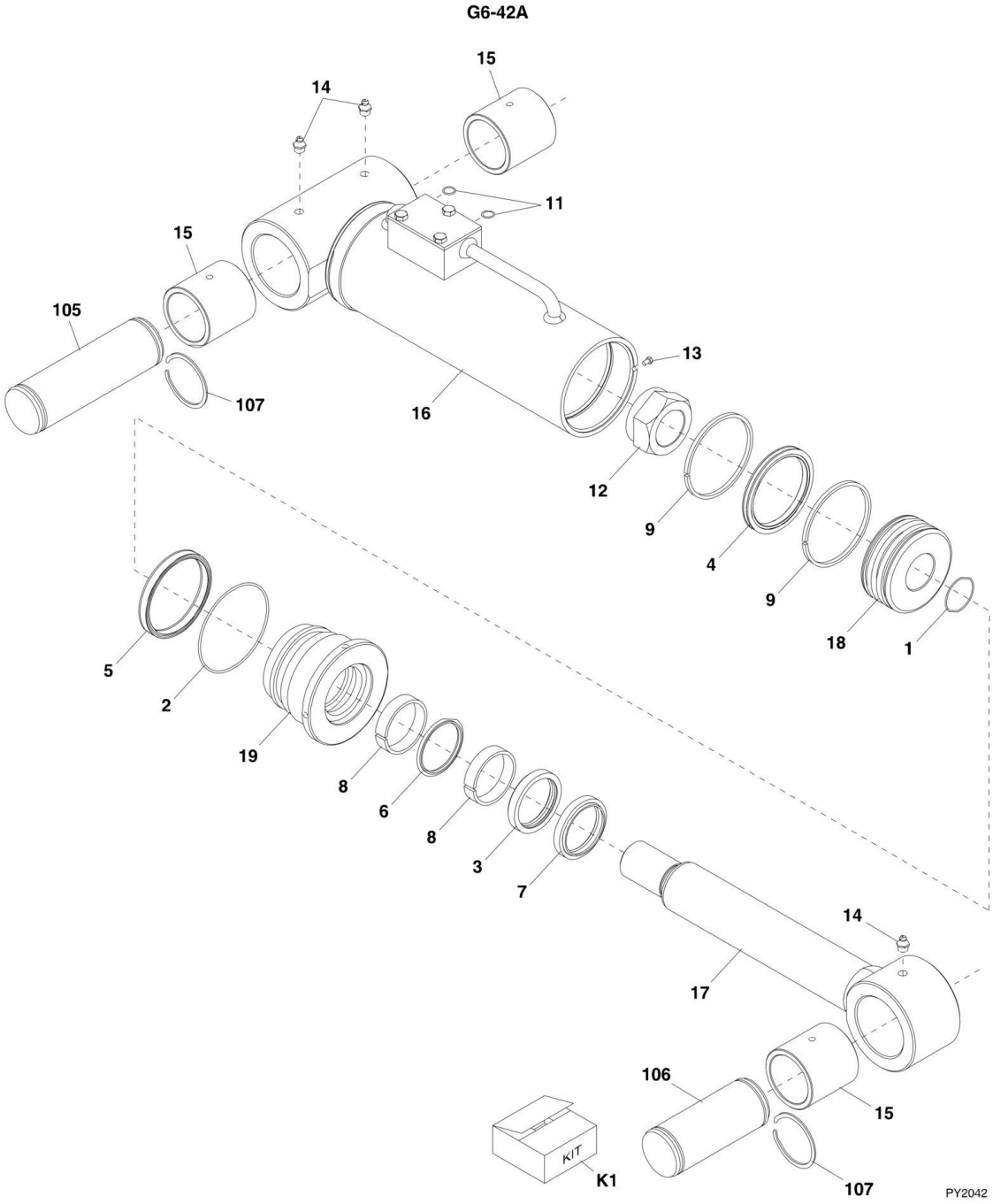
## FIGURE 9-14. CYLINDER - EXTEND/RETRACT (ARCTIC) (G10-43A,G9-43A)



## FIGURE 9-14. CYLINDER - EXTEND/RETRACT (ARCTIC) (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001158766 | 1 | EXTEND/RETRACT CYLINDER (ARCTIC) | A |
| 1 | 70022852 | 1 | CASE ASSEMBLY | |
| 2 | 70022853 | 1 | WEAR WASHER | |
| 3 | 70022854 | 1 | PISTON | |
| 4 | 70022855 | 1 | HEAD GLAND | |
| 5 | 70022856 | 1 | ROD SPACER | |
| 6 | 70022857 | 1 | SHAFT ASSEMBLY | |
| 7 | 8035865 | 1 | LOCKNUT | |
| 8 | 4641312 | 1 | HOLDING VALVE | |
| 9 | 91514251 | 1 | HOLDING VALVE SEAL | |
| 10 | Kit | 1 | O-RING | |
| 11 | Kit | 1 | O-RING | |
| 12 | Kit | 1 | O-RING | |
| 13 | Kit | 1 | BACKUP RING | |
| 14 | Kit | 1 | DEEP Z-SEAL | |
| 15 | Kit | 1 | BUFFER SEAL | |
| 16 | Kit | 1 | T-SEAL | |
| 17 | Kit | 1 | WIPER | |
| 18 | Kit | 1 | WEAR BAND | |
| 19 | Kit | 2 | WEAR BAND | |
| 20 | Kit | 2 | LOCKING INSERT | |
| 101 | 70025968 | 1 | SEAL KIT, (includes items 10 thru 20) | |

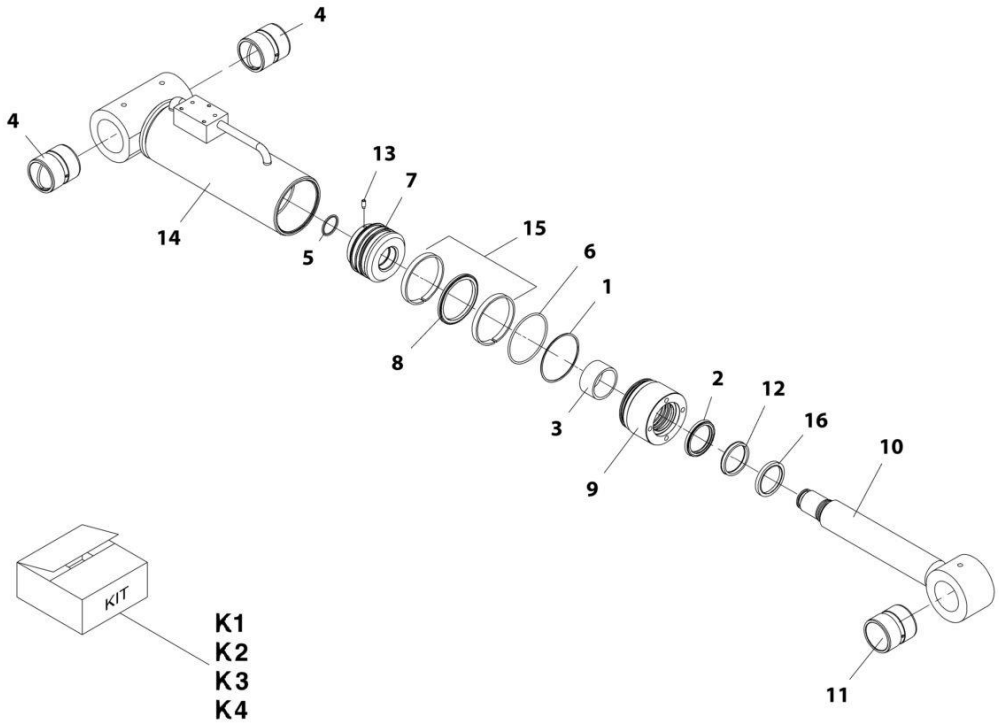
## FIGURE 9-15. CYLINDER - FRAME LEVEL (G6-42A) (Prior to SN 0160060495)



## FIGURE 9-15. CYLINDER - FRAME LEVEL (G6-42A) (Prior to SN 0160060495)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91473231 | 1 | FRAME LEVEL CYLINDER (includes items 1 thru 19) | B |
| 1 | Kit | 1 | O-RING | |
| 2 | Kit | 1 | O-RING | |
| 3 | Kit | 1 | SEAL | |
| 4 | Kit | 1 | SEAL | |
| 5 | Kit | 1 | SEAL | |
| 6 | Kit | 1 | SEAL | |
| 7 | Kit | 1 | WIPER | |
| 8 | Kit | 2 | WEAR RING | |
| 9 | Kit | 2 | WEAR RING | |
| 11 | 7023500 | 2 | O-RING | |
| 12 | 7003226 | 1 | LOCKNUT, (torque to 800-1000 lb-ft/1085-1355 Nm) | |
| 13 | 70021630 | 1 | SELF-TAPPING SCREW | |
| 14 | 7003242 | 3 | LUBE FITTING | |
| 15 | 70021634 | 3 | BUSHING | |
| 16 | 70021637 | 1 | TUBE ASSY | |
| 17 | 70021638 | 1 | ROD ASSY | |
| 18 | 70021635 | 1 | PISTON | |
| 19 | 70021636 | 1 | HEAD | |
| 105 | 91403226 | 1 | CYLINDER PIN | |
| 106 | 91403225 | 1 | CYLINDER PIN | |
| 107 | 90028935 | 4 | RETAINING RING | |
| K1 | 70021633 | 1 | SEAL KIT, (includes items 1 thru 9) | |

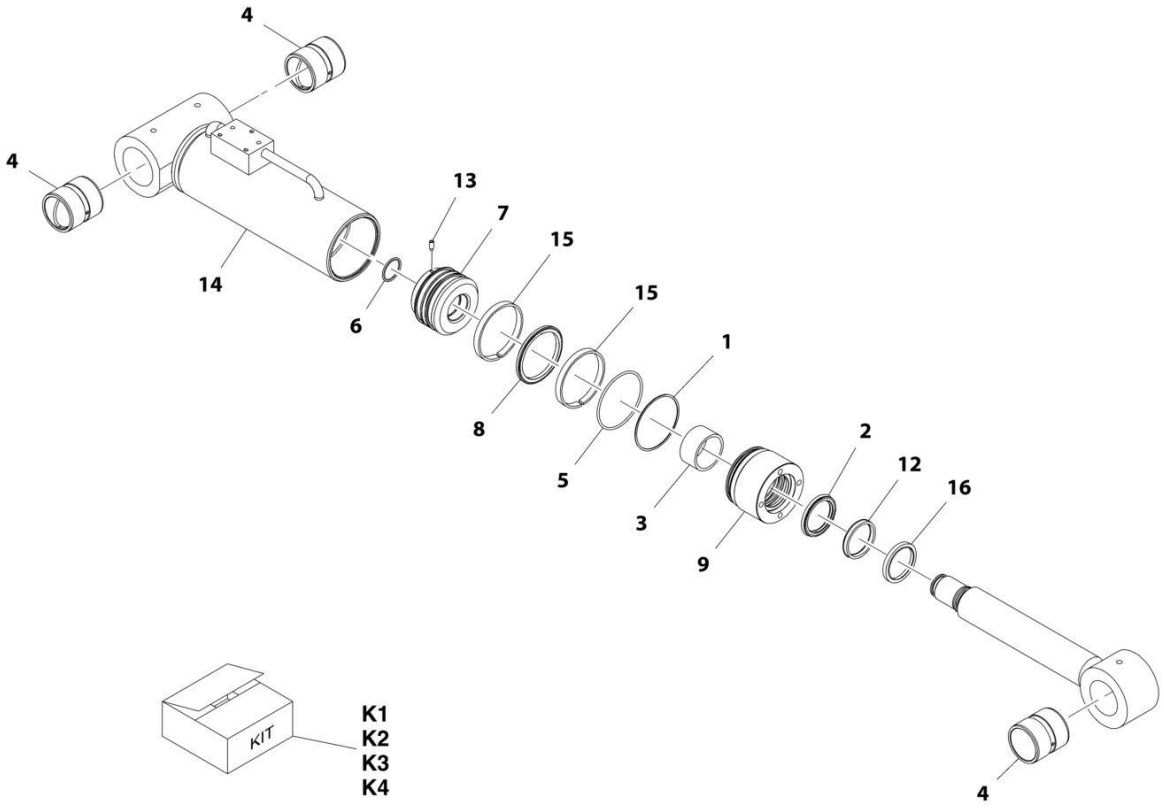
## FIGURE 9-16. CYLINDER - FRAME LEVEL (G6-42A) (SN 0160060495 to Present)



## FIGURE 9-16. CYLINDER - FRAME LEVEL (G6-42A) (SN 0160060495 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001140444 | 1 | FRAME LEVEL CYLINDER (includes items 1 thru 16) | A |
| 1 | Kit | 1 | BACK-UP RING | |
| 2 | Kit | 1 | BUFFER RING | |
| 3 | Kit | 1 | BUSHING | |
| 4 | Kit | 3 | BUSHING | |
| 5 | Kit | 1 | O-RING | |
| 6 | Kit | 1 | O-RING | |
| 7 | Kit | 1 | PISTON | |
| 8 | Kit | 1 | PISTON SEAL | |
| 9 | Kit | 1 | RETAINER | |
| 10 | Kit | 1 | ROD | |
| 11 | Kit | 1 | ROD END | |
| 12 | Kit | 1 | ROD SEAL | |
| 13 | Kit | 1 | SET SCREW | |
| 14 | 70025936 | 1 | BARREL | |
| 15 | Kit | 2 | WEAR RING | |
| 16 | Kit | 1 | WIPER | |
| K1 | 70025937 | 1 | SERVICE KIT, (includes items 1,2,3,5,6,8,12,15,16) | |
| K2 | 70025938 | 1 | ROD ASSY KIT, (includes items 4,10,11) | |
| K3 | 70025939 | 1 | RETAINER SUB ASSY KIT, (includes items 1,2,3,5,9,12,16) | |
| K4 | 70025940 | 1 | PISTON SUB ASSY KIT, (includes items 7,8,13,15) | |

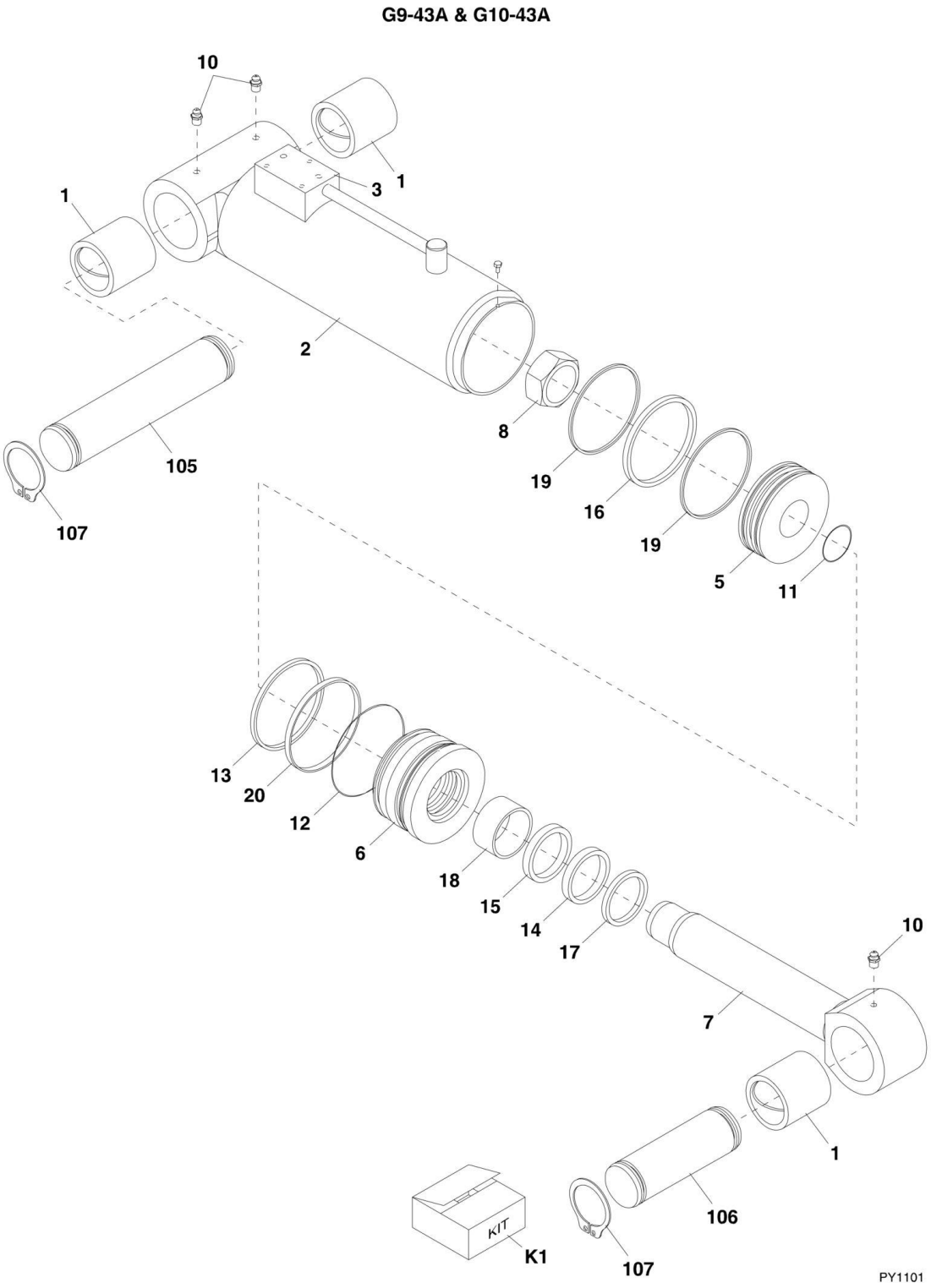
## FIGURE 9-17. CYLINDER - FRAME LEVEL (ARCTIC) (G6-42A)



## FIGURE 9-17. CYLINDER - FRAME LEVEL (ARCTIC) (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001158762 | 1 | FRAME LEVEL CYLINDER (ARCTIC), (included items 1 thru 16) | A |
| 1 | Kit | 1 | BACKUP RING | |
| 2 | Kit | 1 | BUFFER RING | |
| 3 | Kit | 1 | BUSHING | |
| 4 | Kit | 3 | BUSHING | |
| 5 | Kit | 1 | O-RING | |
| 6 | Kit | 1 | O-RING | |
| 7 | Kit | 1 | PISTON | |
| 8 | Kit | 1 | PISTON SEAL | |
| 9 | Kit | 1 | RETAINER | |
| 12 | Kit | 1 | ROD SEAL | |
| 13 | Kit | 1 | SET SCREW | |
| 14 | 70025936 | 1 | BARREL | |
| 15 | Kit | 2 | WEAR RING | |
| 16 | Kit | 1 | WIPER | |
| K1 | 70025941 | 1 | SERVICE KIT, (include items 1 thru 3,5,6,8,12,15,16) | |
| K2 | 70025938 | 1 | ROD ASSY KIT, (include item 4) | |
| K3 | 70025942 | 1 | RETAINER SUB ASY KIT, (include items 1 thru 3,5,9,12,16) | |
| K4 | 70025940 | 1 | PISTON SUB ASSY KIT, (include items 7,8,13,15) | |

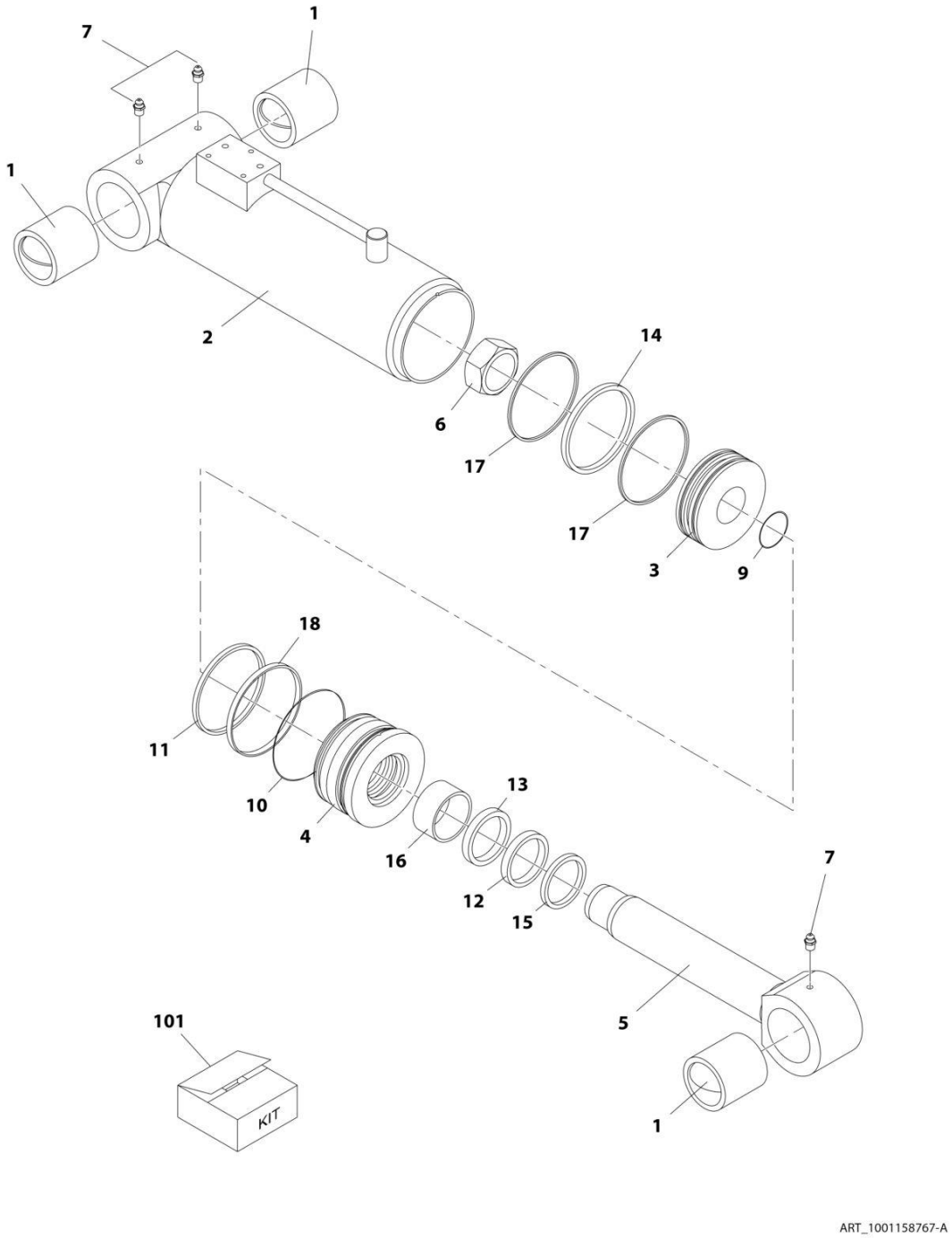
## FIGURE 9-18. CYLINDER - FRAME LEVEL (G10-43A,G9-43A)



## FIGURE 9-18. CYLINDER - FRAME LEVEL (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91513273 | 1 | FRAME LEVEL CYLINDER (includes items 1 thru 20) | A |
| 1 | 70022508 | 3 | BEARING | |
| 2 | 70022859 | 1 | TUBE ASSY | |
| 3 | N.S.S. | 1 | GASKET | |
| 5 | 70022861 | 1 | PISTON | |
| 6 | 70022862 | 1 | HEAD GLAND, (torque to 300-400 lb-ft/407-542 Nm) | |
| 7 | 70022863 | 1 | ROD ASSY | |
| 8 | 8035865 | 1 | LOCKNUT, (loctite and torque to 720-800 lb-ft/976-1085 Nm) | |
| 10 | 70020375 | 3 | GREASE FITTING | |
| 11 | Kit | 1 | O-RING | |
| 12 | Kit | 1 | O-RING | |
| 13 | Kit | 1 | POLYPAK | |
| 14 | Kit | 1 | U-CUP | |
| 15 | Kit | 1 | BUFFER SEAL | |
| 16 | Kit | 1 | T-SEAL | |
| 17 | Kit | 1 | SCRAPER | |
| 18 | Kit | 1 | WEAR BAND | |
| 19 | Kit | 2 | WEAR BAND | |
| 20 | Kit | 2 | LOCKING INSERT | |
| 105 | 91403226 | 1 | CYLINDER PIN | |
| 106 | 91403225 | 1 | CYLINDER PIN | |
| 107 | 90028935 | 4 | RETAINING RING | |
| K1 | 70022864 | 1 | SEAL KIT, (includes items 11 thru 20) | |

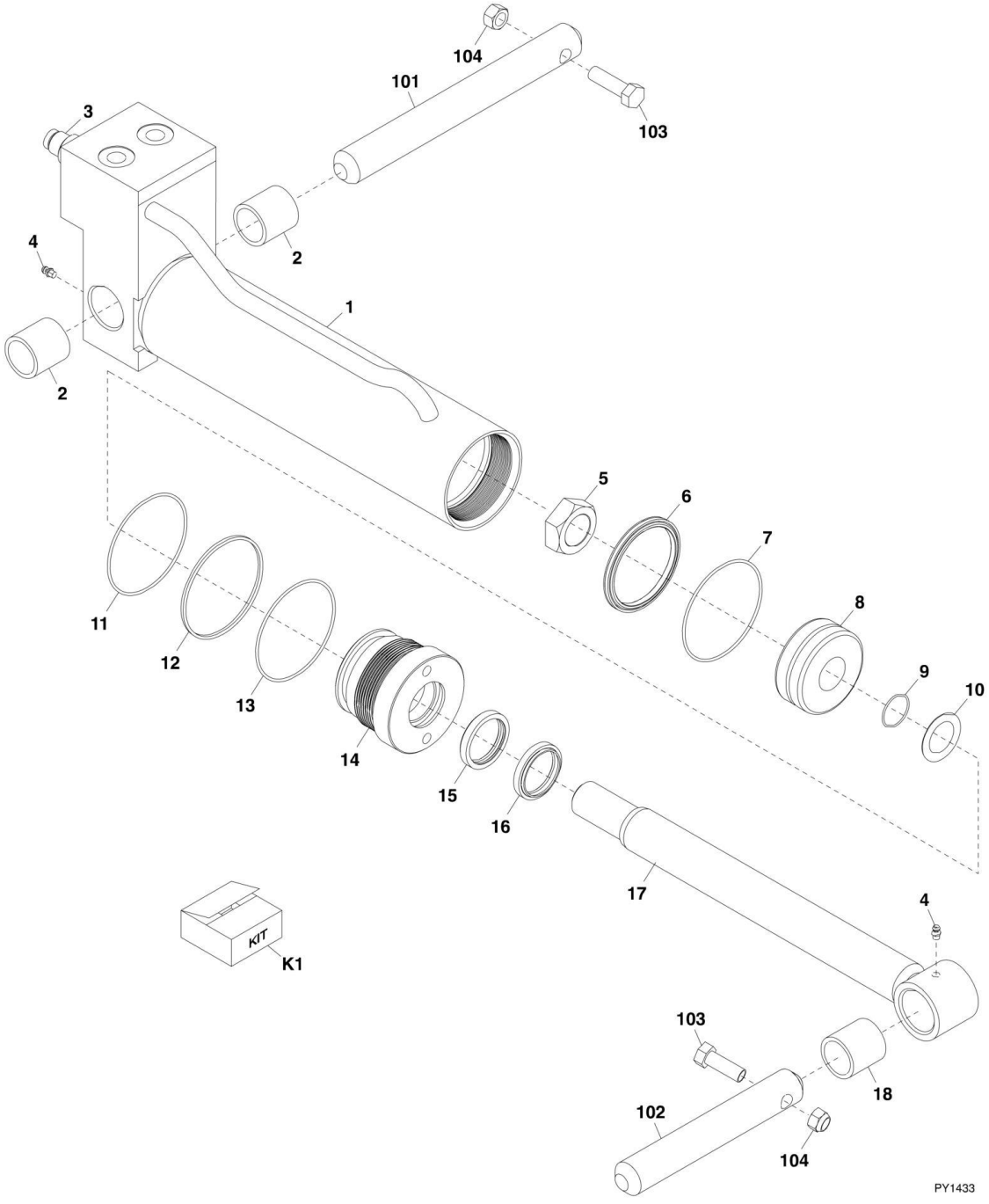
## FIGURE 9-19. CYLINDER - FRAME LEVEL (ARCTIC) (G10-43A,G9-43A)



## FIGURE 9-19. CYLINDER - FRAME LEVEL (ARCTIC) (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001158767 | 1 | FRAME LEVEL CYLINDER (ARCTIC) | A |
| 1 | 70022508 | 3 | BEARING | |
| 2 | 70022859 | 1 | BARREL | |
| 3 | 70022861 | 1 | PISTON | |
| 4 | 70022862 | 1 | GLAND | |
| 5 | 70022863 | 1 | ROD | |
| 6 | 8035865 | 1 | LOCKNUT | |
| 7 | 70020375 | 3 | GREASE FITTING | |
| 9 | Kit | 1 | O-RING | |
| 10 | Kit | 2 | O-RING | |
| 11 | Kit | 1 | POLYPAK | |
| 12 | Kit | 1 | DEEP Z-SEAL | |
| 13 | Kit | 1 | BUFFER SEAL | |
| 14 | Kit | 1 | T-SEAL | |
| 15 | Kit | 1 | SCRAPER | |
| 16 | Kit | 1 | WEAR BAND | |
| 17 | Kit | 2 | WEAR BAND | |
| 18 | Kit | 2 | LOCKING INSERT | |
| 101 | 70025969 | 1 | SEAL KIT, (includes items 9 thru 18) | |

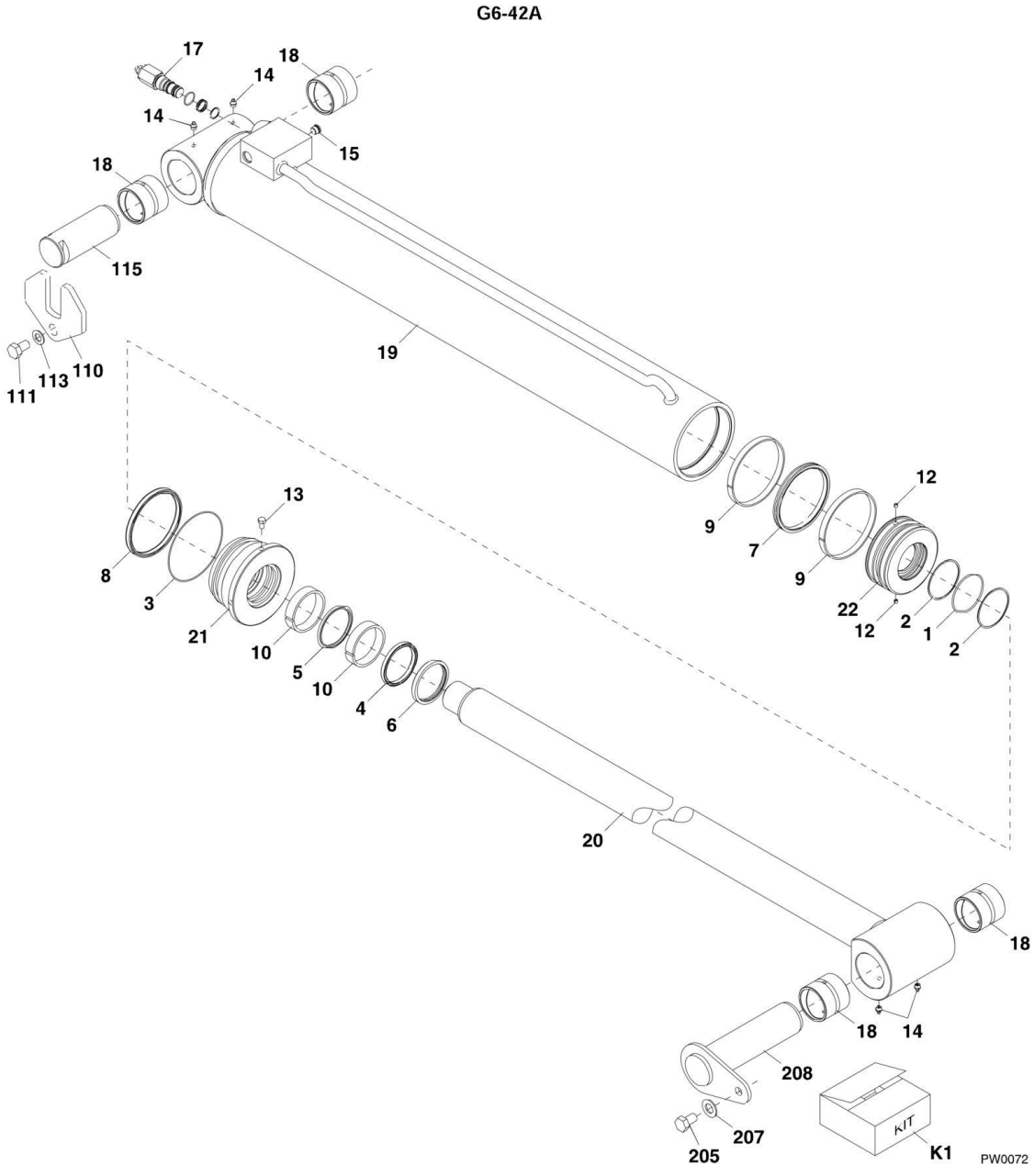
## FIGURE 9-20. CYLINDER - GRAPPLE BUCKET



## FIGURE 9-20. CYLINDER - GRAPPLE BUCKET

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 70021393 | 2 | GRAPPLE BUCKET CYLINDER, (includes items 1 thru 18), (included item quantities are per single cylinder) | |
| 1 | 70021465 | 1 | CYLINDER TUBE | |
| 2 | 70021448 | 2 | BUSHING | |
| 3 | 70021464 | 2 | VALVE CARTRIDGE | |
| 4 | 90554045 | 2 | GREASE FITTING | |
| 5 | 70021440 | 1 | HEX NUT | |
| 6 | Kit | 1 | PISTON RING | |
| 7 | Kit | 1 | O-RING | |
| 8 | 70021451 | 1 | PISTON | |
| 9 | Kit | 1 | O-RING | |
| 10 | 70021444 | 1 | WASHER | |
| 11 | Kit | 1 | O-RING | |
| 12 | Kit | 1 | BACK-UP WASHER | |
| 13 | Kit | 1 | O-RING | |
| 14 | 70021446 | 1 | CYLINDER GLAND | |
| 15 | Kit | 1 | POLY-PAK SEAL | |
| 16 | Kit | 1 | ROD WIPER | |
| 17 | 70021462 | 1 | PISTON ROD | |
| 18 | 70021447 | 1 | BUSHING | |
| 101 | 70021364 | 2 | CYLINDER PIN, (base end) | |
| 102 | 70021365 | 2 | CYLINDER PIN, (rod end) | |
| 103 | 70021399 | 4 | HEX HD CAPSCREW, 3/8X2-1/4 | |
| 104 | 70021367 | 4 | LOCKNUT, 3/8 | |
| K1 | 70021452 | 1 | SEAL KIT, (includes items 6, 7, 9, 11 thru 13, 15 & 16) | |

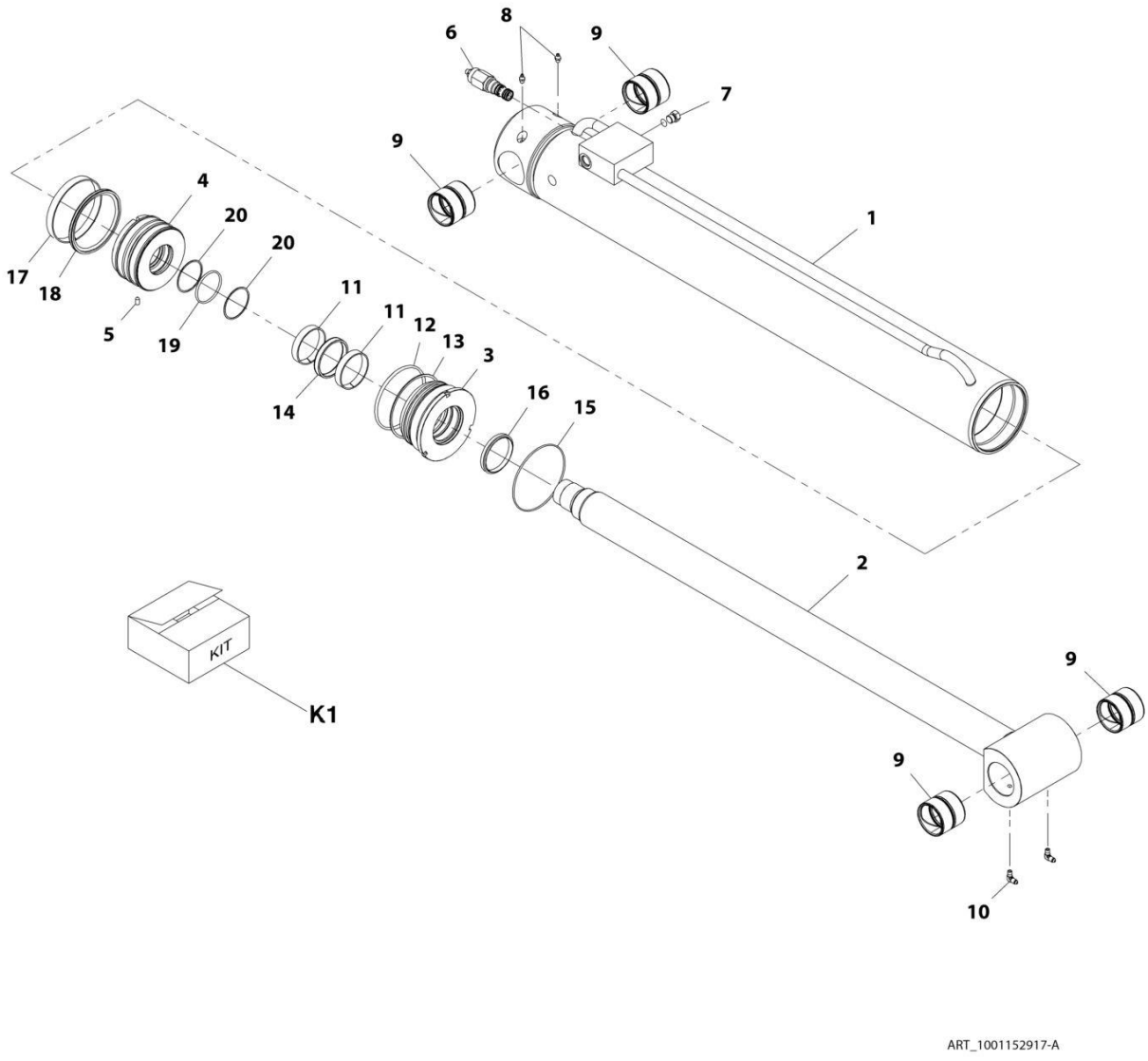
## FIGURE 9-21. CYLINDER - LIFT (G6-42A) (Prior to SN 0160052707)



## FIGURE 9-21. CYLINDER - LIFT (G6-42A) (Prior to SN 0160052707)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001101280 | 1 | LIFT CYLINDER (includes items 1 thru 22) | E |
| 1 | Kit | 1 | O-RING | |
| 2 | Kit | 2 | BACK-UP | |
| 3 | Kit | 1 | O-RING | |
| 4 | Kit | 1 | SEAL | |
| 5 | Kit | 1 | SEAL | |
| 6 | Kit | 1 | WIPER | |
| 7 | Kit | 1 | SEAL | |
| 8 | Kit | 1 | SEAL | |
| 9 | Kit | 2 | WEAR RING | |
| 10 | Kit | 2 | WEAR RING | |
| 12 | 70021757 | 2 | SET SCREW | |
| 13 | 70021630 | 1 | SELF TAPPING SCREW | |
| 14 | 7003242 | 4 | LUBE FITTING | |
| 15 | 70021648 | 1 | PORT PLUG | |
| 17 | 70023324 | 1 | VALVE | |
| 18 | 70021756 | 4 | BUSHING | |
| 19 | 70021958 | 1 | TUBE ASSY | |
| 20 | 70021754 | 1 | ROD ASSY | |
| 21 | 70021957 | 1 | HEAD | |
| 22 | 70021752 | 1 | PISTON | |
| 110 | 91471240 | 1 | KEEPER PLATE | |
| 111 | 0681810 | 1 | HEX HD CAPSCREW, 1/2-13X1-1/4, GR8, (torque to 100-110 lb-ft) | |
| 113 | 4891800 | 1 | HARD WASHER, 1/2 | |
| 115 | 91473233 | 1 | LIFT CYLINDER PIN | |
| 205 | 0681810 | 1 | HEX HD CAPSCREW, 1/2-13X1-1/4, GR8 | |
| 207 | 4891800 | 1 | HARD WASHER, 1/2 | |
| 208 | 1001101703 | 1 | LIFT CYLINDER PIN | |
| K1 | 70021758 | 1 | SEAL KIT, (includes items 1 thru 10) | |

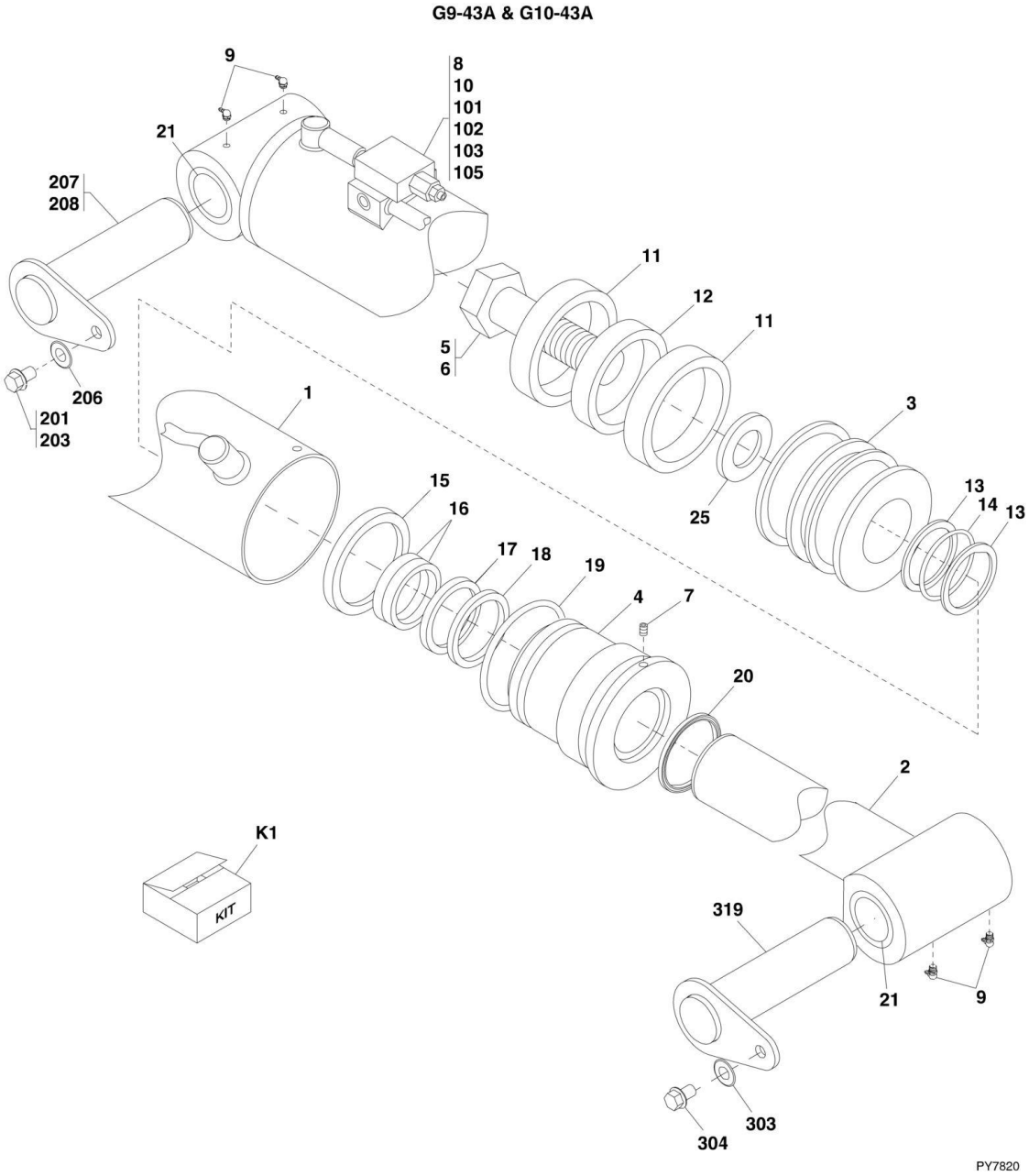
## FIGURE 9-22. CYLINDER - LIFT (G6-42A) (SN 0160052707 to Present)



## FIGURE 9-22. CYLINDER - LIFT (G6-42A) (SN 0160052707 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152917 | 1 | LIFT CYLINDER | A |
| 1 | 70025329 | 1 | BARREL | |
| 2 | 70025330 | 1 | ROD | |
| 3 | 70025331 | 1 | ROD GUIDE | |
| 4 | 70025332 | 1 | PISTON | |
| 5 | 70020438 | 1 | SCREW | |
| 6 | 70023324 | 1 | COUNTERBALANCE VALVE | |
| 7 | 70026003 | 1 | STEEL PLUG | |
| 8 | 70026004 | 2 | GREASE NIPPLE | |
| 9 | 70026005 | 4 | BUSHING | |
| 10 | 70026006 | 2 | ADAPTOR | |
| 11 | Kit | 2 | BEARING | |
| 12 | Kit | 1 | O-RING | |
| 13 | Kit | 1 | BACKUP RING | |
| 14 | Kit | 1 | ROD SEAL | |
| 15 | Kit | 1 | O-RING | |
| 16 | Kit | 1 | WIPER | |
| 17 | Kit | 2 | BEARING | |
| 18 | Kit | 1 | PISTON SEAL | |
| 19 | Kit | 1 | O-RING | |
| 20 | Kit | 2 | BACKUP RING | |
| K1 | 70025333 | 1 | SEAL KIT, (includes items 11 thru 20) | |

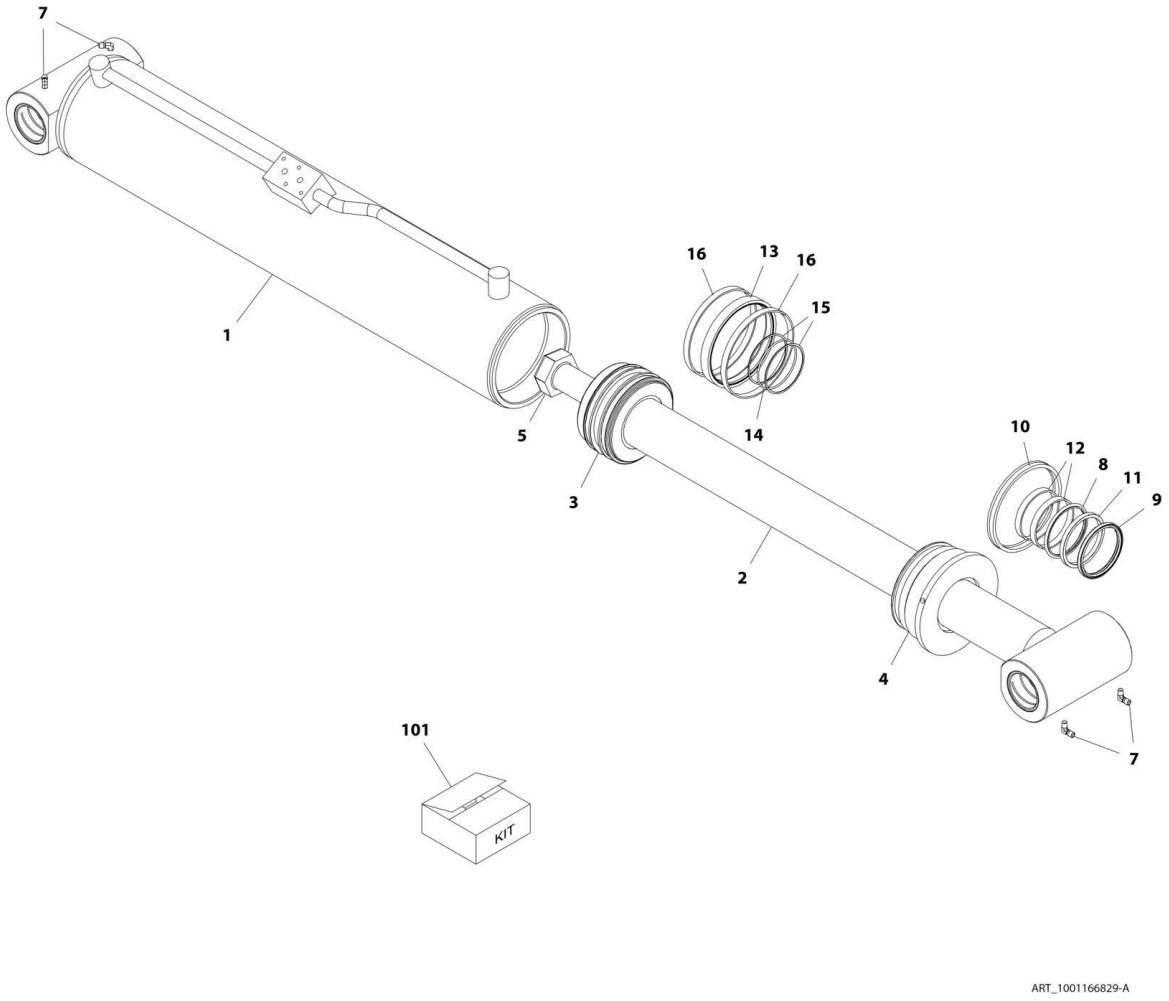
## FIGURE 9-23. CYLINDER - LIFT (G10-43A,G9-43A)



## FIGURE 9-23. CYLINDER - LIFT (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001108380 | 1 | LIFT CYLINDER (includes items 1 thru 105) | D |
| | 1001103347 | Ref | LIFT CYLINDER, (not sold separately, use 1001108380 for replacement or use items 1 thru 21 for service) | E |
| 1 | 70024266 | 1 | BARREL ASSY | |
| 2 | 70022058 | 1 | ROD ASSY, (includes item 21) | |
| 3 | 70022059 | 1 | PISTON ASSY | |
| 4 | 70022060 | 1 | ROD BEARING ASSY | |
| 5 | 70023293 | 1 | CAPSCREW | |
| 6 | 70022292 | 1 | WASHER | |
| 7 | 7029760 | 1 | CAPSCREW | |
| 8 | 70024267 | 2 | O-RING | |
| 9 | 91044080 | 4 | GREASE FITTING | |
| 10 | 70024268 | 4 | CAPSCREW | |
| 11 | Kit | 2 | WEAR RING | |
| 12 | Kit | 1 | PISTON SEAL | |
| 13 | Kit | 2 | BACK-UP RING | |
| 14 | Kit | 1 | O-RING | |
| 15 | Kit | 1 | PISTON SEAL | |
| 16 | Kit | 2 | WEAR RING | |
| 17 | Kit | 1 | BUFFER SEAL | |
| 18 | Kit | 1 | ROD SEAL | |
| 19 | Kit | 1 | O-RING | |
| 20 | Kit | 1 | WIPER | |
| 21 | 70022062 | 4 | BUSHING | |
| 101 | 0100011 | AR | LOCTITE 242 | |
| 102 | 2131212 | 2 | ELBOW, 90, (includes o-ring) | |
| 103 | 4031913 | 4 | SOCKET HD CAPSCREW, M8X45 | |
| 105 | 1001125714 | 1 | HOLDING VALVE CARTRIDGE | |
| 201 | 0100011 | AR | LOCTITE 242 | |
| 203 | 0682010 | 1 | HEX HD CAPSCREW, 5/8-11X1-1/4 | |
| 206 | 4892000 | 1 | HARDENED WASHER, 5/8 | |
| 207 | 14403323 | AR | NEVER-SEEZ LUBE | |
| 208 | 91513279 | 1 | CYLINDER PIN | |
| 303 | 4892000 | 1 | HARDENED WASHER, 5/8 | |
| 304 | 0682010 | 1 | HEX HD CAPSCREW, 5/8-11X1-1/4 | |
| 319 | 1001101706 | 1 | CYLINDER PIN | |
| K1 | 70022061 | 1 | SEAL KIT, (includes items 11 thru 20) | |

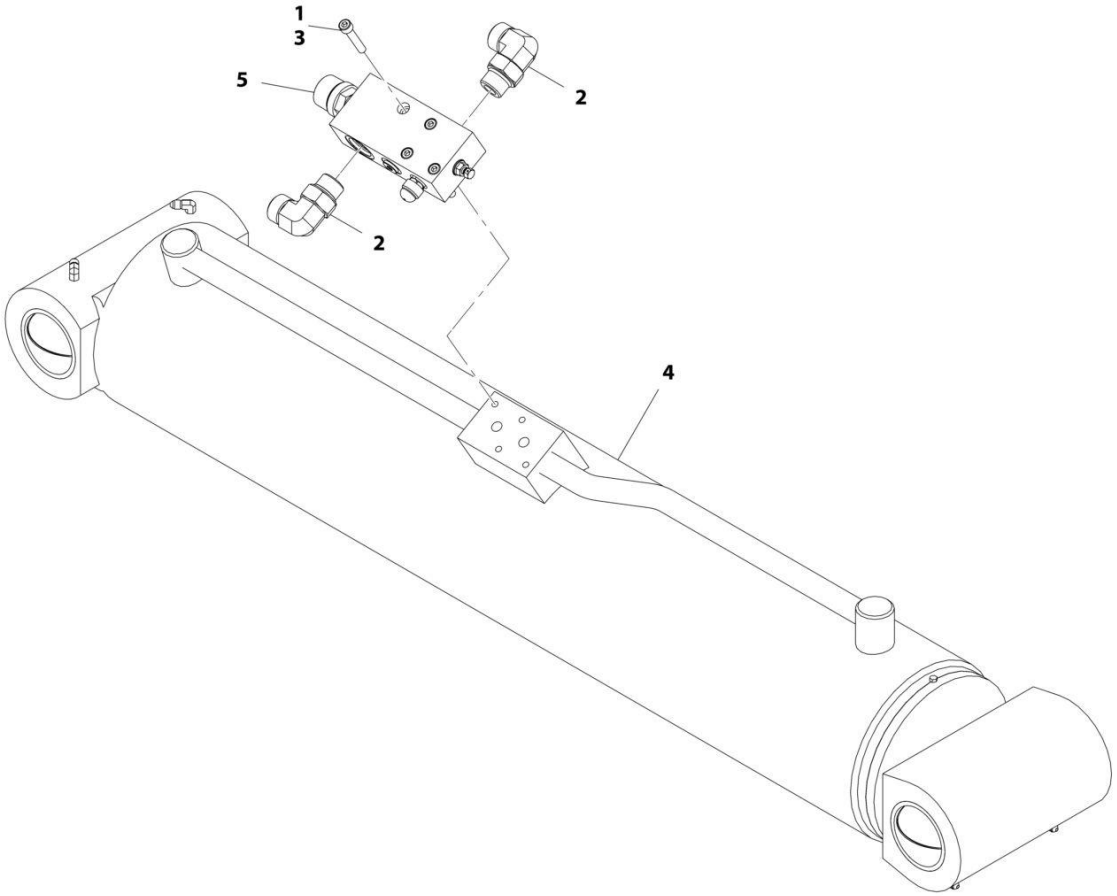
## FIGURE 9-24. CYLINDER - LIFT (ARCTIC) (G10-43A,G9-43A)



## FIGURE 9-24. CYLINDER - LIFT (ARCTIC) (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001166829 | 1 | LIFT CYLINDER (ARCTIC) | A |
| 1 | 70026012 | 1 | BARREL ASSEMBLY | |
| 2 | 70022058 | 1 | ROD ASSEMBLY | |
| 3 | 70022059 | 1 | PISTON ASSEMBLY | |
| 4 | 70026013 | 1 | ROD BEARING ASSEMBLY | |
| 5 | 70023293 | 1 | CAP SCREW | |
| 7 | 70026014 | 4 | GREASE FITTING | |
| 8 | Kit | 1 | BUFFER SEAL | |
| 9 | Kit | 1 | CANNED WIPER | |
| 10 | Kit | 1 | PISTON SEAL | |
| 11 | Kit | 1 | ROD SEAL | |
| 12 | Kit | 2 | WEAR RING | |
| 13 | Kit | 1 | PISTON SEAL | |
| 14 | Kit | 1 | O-RING | |
| 15 | Kit | 2 | BACK-UP RING | |
| 16 | Kit | 2 | WEAR RING | |
| 101 | 70026015 | 1 | SEAL KIT (includes items 8 thru 16) | |

## FIGURE 9-25. CYLINDER - LIFT (ARCTIC) (G10-43A,G9-43A)

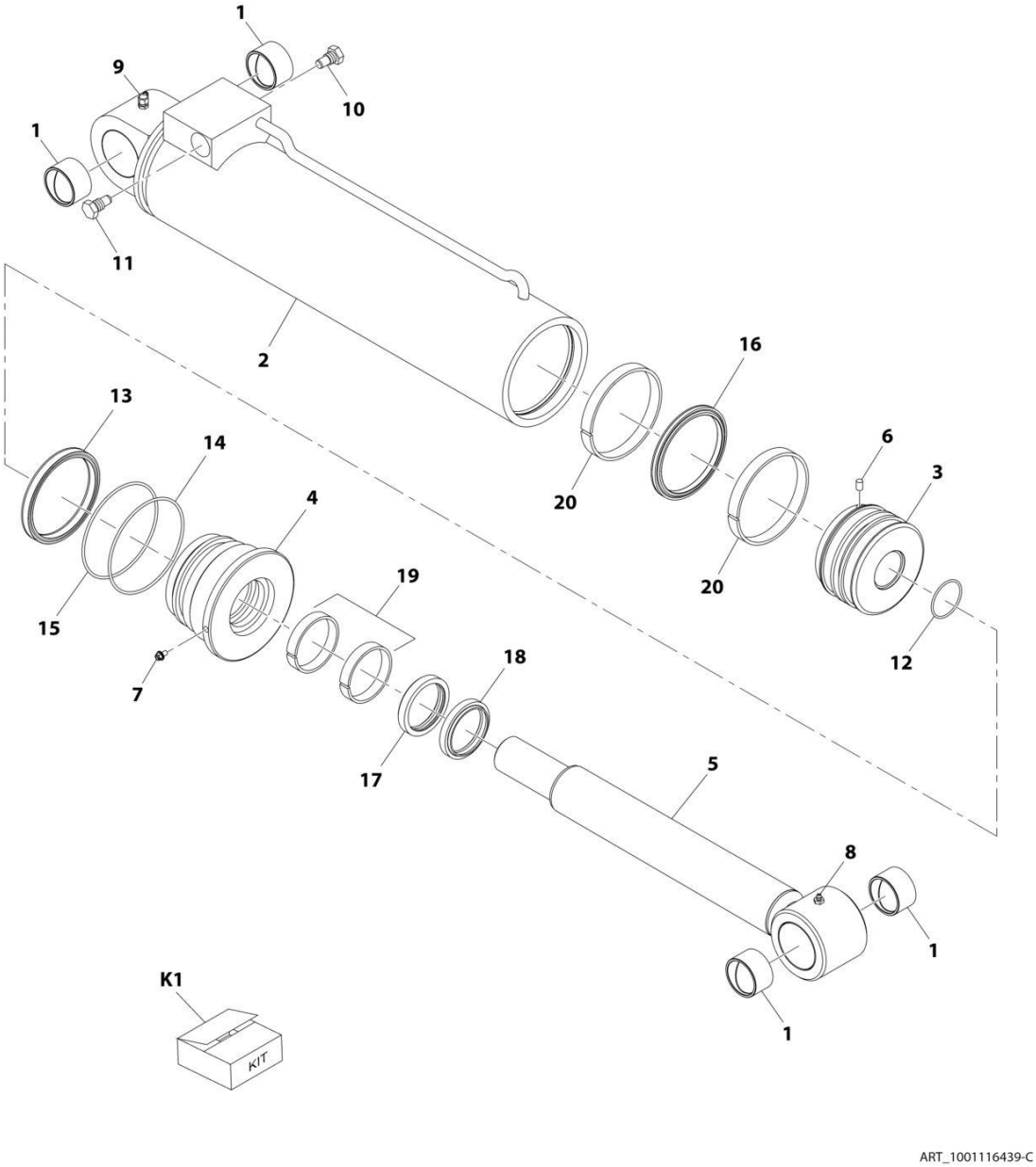



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## FIGURE 9-25. CYLINDER - LIFT (ARCTIC) (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001158763 | 1 | LIFT CYLINDER INSTALLATION (ARCTIC) | A |
| 1 | 0100011 | AR | LOCTITE 242 | |
| 2 | 2131212 | 2 | ELBOW, 90 (includes o-ring) | |
| 3 | 4031913 | 4 | SOCKET HD CAPSCREW, M8X45 | |
| 4 | 1001166829 | AR | CYLINDER, LIFT (See LIFT CYLINDER for Breakdown) | |
| 5 | 1001125714 | 1 | HOLDING VALVE CARTRIDGE | |

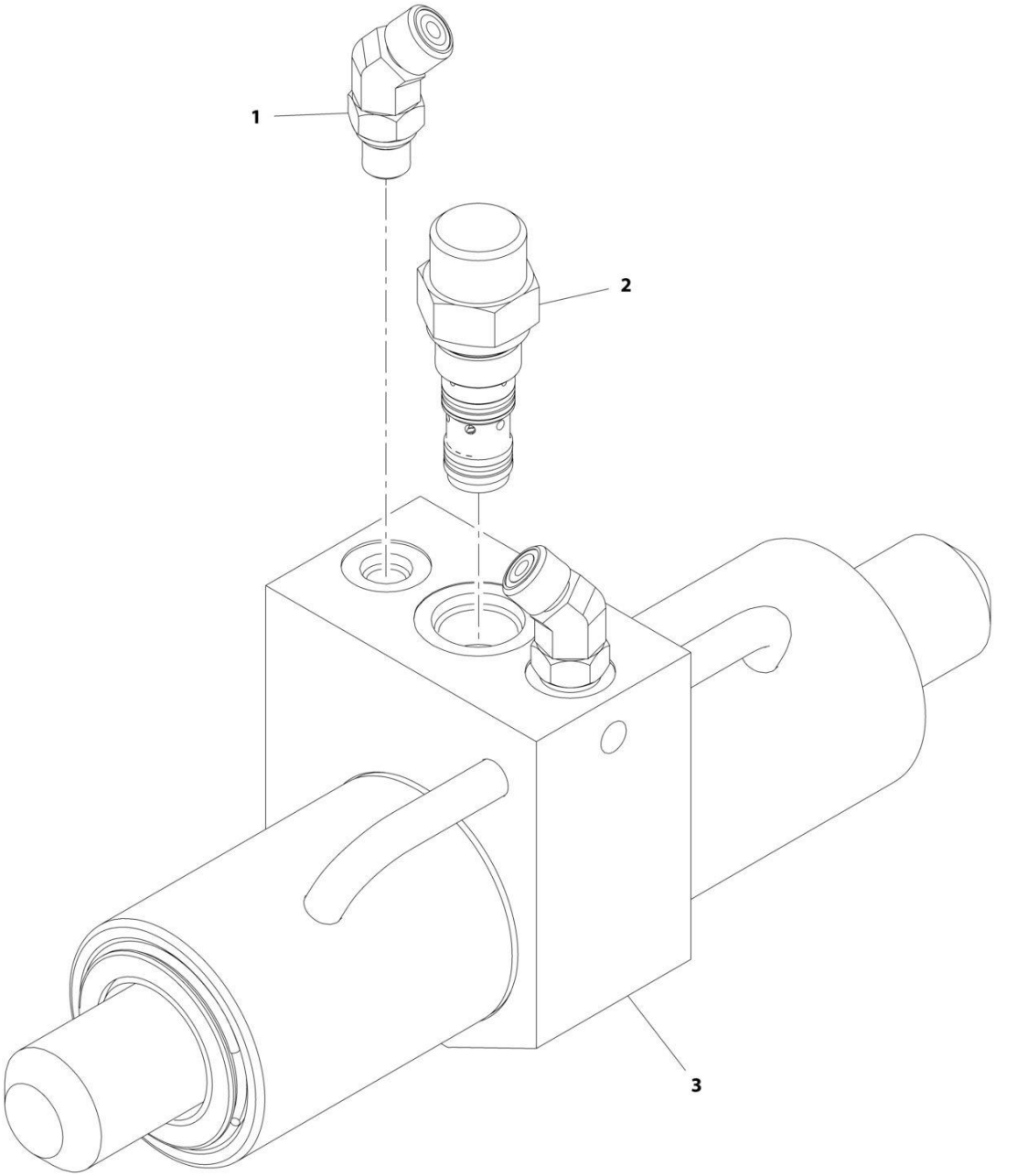
## FIGURE 9-26. CYLINDER - OUTRIGGER (G10-43A)



## FIGURE 9-26. CYLINDER - OUTRIGGER (G10-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001116439 | 2 | OUTRIGGER CYLINDER (includes items 1 thru 20), (included item quantities are per single cylinder) | C |
| 1 | 70020370 | 4 | BUSHING | |
| 2 | 70023892 | 1 | BARREL | |
| 3 | 70023893 | 1 | PISTON, (loctite and torque to 2350-2600 lb-ft/3186-3525 Nm) | |
| 4 | 70023894 | 1 | HEAD GLAND, (torque to 300-400 lb-ft/407-542 Nm) | |
| 5 | 70023895 | 1 | ROD | |
| 6 | 8036629 | 1 | SET SCREW, 3/8-16X3/4, (torque to 16-18 lb-ft/22-24 Nm) | |
| 7 | 70023896 | 1 | TAPPING SCREW | |
| 8 | 70023897 | 1 | GREASE FITTING | |
| 9 | 8520021 | 1 | GREASE FITTING, 90 | |
| 10 | 8036750 | 1 | PO CHECK VALVE, (torque to 30-35 lb-ft/41-47 Nm) | |
| 11 | 70023898 | 1 | PO CHECK VALVE W/THERMAL RELIEF, (torque to 30-35 lb-ft/41-47 Nm) | |
| 12 | Kit | 1 | O-RING | |
| 13 | Kit | 1 | O-RING | |
| 14 | Kit | 1 | O-RING | |
| 15 | Kit | 1 | BACK-UP RING | |
| 16 | Kit | 1 | PISTON SEAL | |
| 17 | Kit | 1 | ROD SEAL | |
| 18 | Kit | 1 | ROD WIPER | |
| 19 | Kit | 2 | WEAR BAND | |
| 20 | Kit | 2 | WEAR BAND | |
| K1 | 70023899 | 1 | SEAL KIT, (includes items 12 thru 20) | |

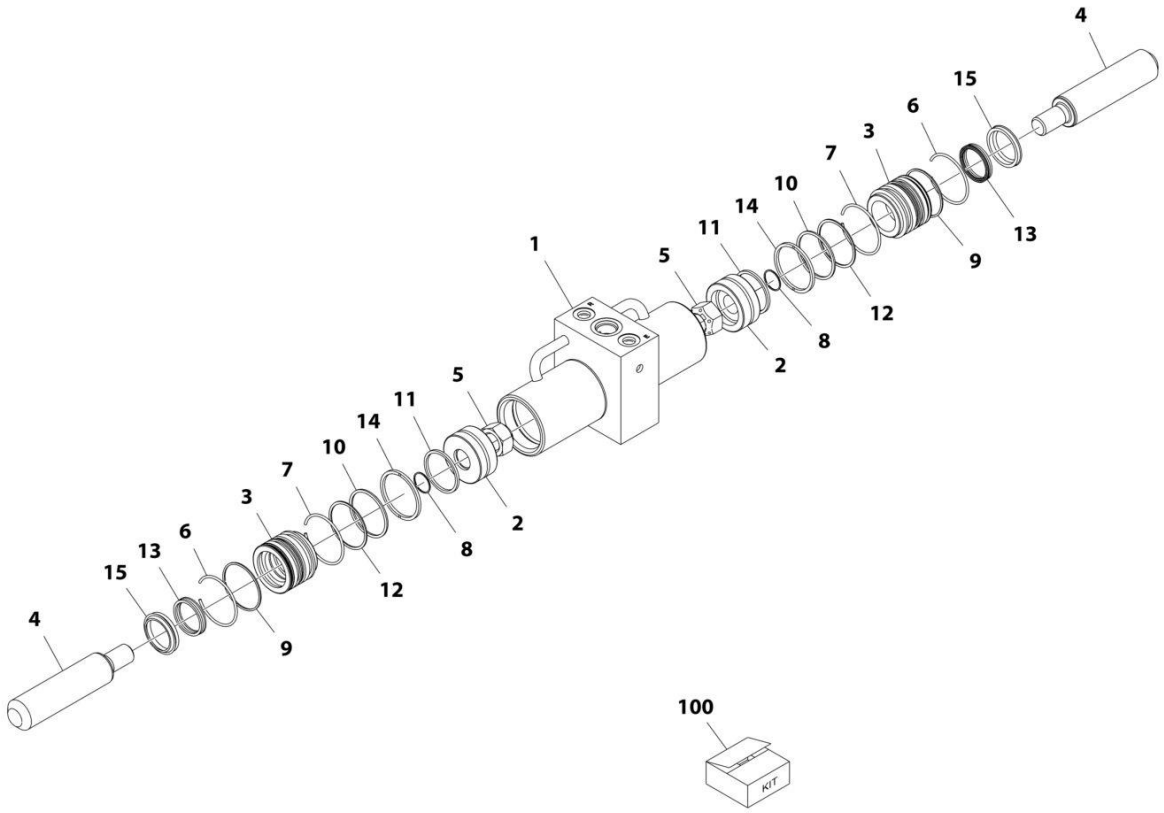
## FIGURE 9-27. CYLINDER - QUICK ATTACH ASSEMBLY



## FIGURE 9-27. CYLINDER - QUICK ATTACH ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001120164 | Ref | CYLINDER, QUICK ATTACH ASSEMBLY | A |
| 1 | 2150404 | 2 | ADAPTER, 45 | |
| 2 | 1001007056 | 1 | VALVE | |
| 3 | 1001120163 | 1 | QUICK COUPLER CYLINDER (See Separate Breakdown in this Section) | |

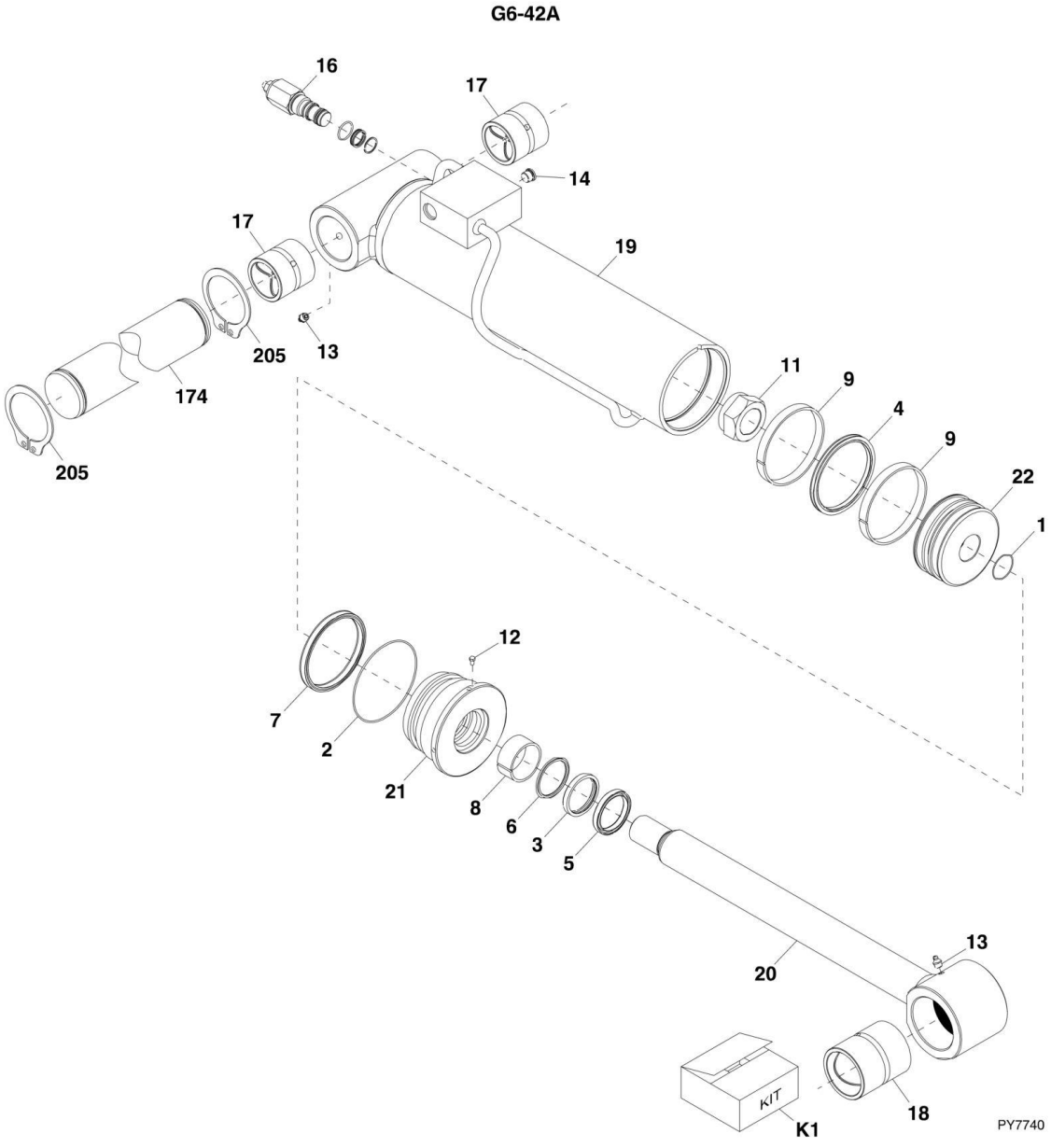
## FIGURE 9-28. CYLINDER - QUICK COUPLER CYLINDER



## FIGURE 9-28. CYLINDER - QUICK COUPLER CYLINDER

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001120163 | Ref | QUICK COUPLER CYLINDER | D |
| 1 | 70026211 | 1 | BARREL | |
| 2 | 70026212 | 2 | PISTON | |
| 3 | 70026213 | 2 | GLAND, HEAD | |
| 4 | 70026214 | 2 | ROD, CYLINDER | |
| 5 | 8037140 | 2 | NUT, LOCK | |
| 6 | Kit | 2 | RING, RETAINING ROUND | |
| 7 | Kit | 2 | RING, RETAINING ROUND | |
| 8 | Kit | 2 | O-RING | |
| 9 | Kit | 2 | O-RING | |
| 10 | Kit | 2 | O-RING | |
| 11 | Kit | 2 | RING, SQUARE | |
| 12 | Kit | 2 | RING, BACKUP | |
| 13 | Kit | 2 | SEAL, ROD | |
| 14 | Kit | 2 | SEAL, PISTON | |
| 15 | Kit | 2 | WIPER, ROD | |
| 100 | 70026215 | 1 | KIT, SEAL (includes item 6 thru 15) | |

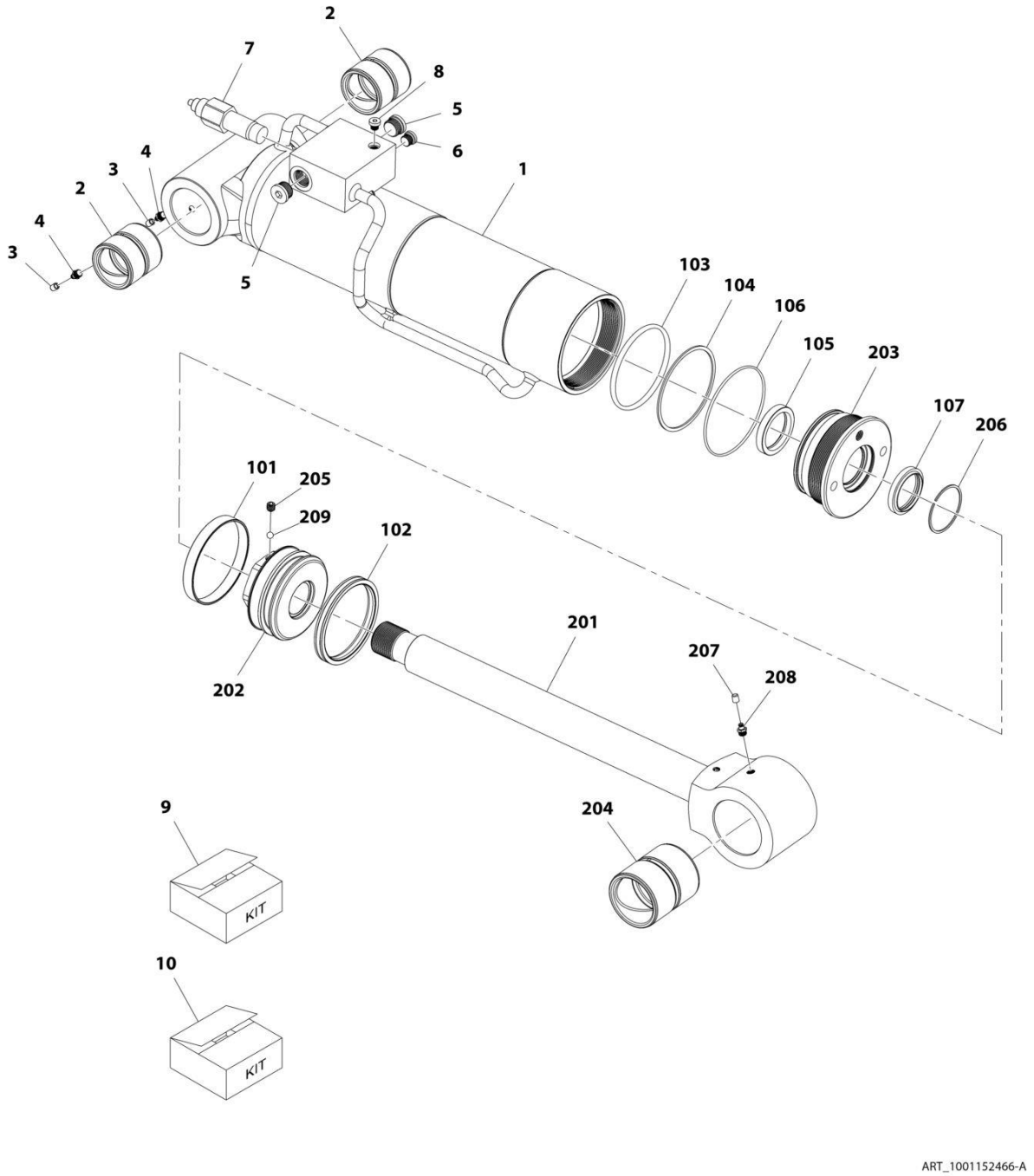
## FIGURE 9-29. CYLINDER - TILT (G6-42A) (Prior to SN 0160057406)



## FIGURE 9-29. CYLINDER - TILT (G6-42A) (Prior to SN 0160057406)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91413156 | 1 | TILT CYLINDER (includes items 1 thru 22) | B |
| 1 | Kit | 1 | O-RING | |
| 2 | Kit | 1 | O-RING | |
| 3 | Kit | 1 | SEAL | |
| 4 | Kit | 1 | SEAL | |
| 5 | Kit | 1 | WIPER | |
| 6 | Kit | 1 | SEAL | |
| 7 | Kit | 1 | SEAL | |
| 8 | Kit | 1 | WEAR RING | |
| 9 | Kit | 2 | WEAR RING | |
| 11 | 7003226 | 1 | LOCKNUT, (torque to 1125-1375 lb-ft/1525-1864 Nm) | |
| 12 | 70021630 | 1 | SELF-TAPPING SCREW | |
| 13 | 7003242 | 3 | LUBE FITTING | |
| 14 | 70021648 | 1 | PORT PLUG | |
| 16 | 1001109225 | 1 | COUNTERBALANCE VALVE, (torque to 44 lb-ft/60 Nm) | |
| 17 | 70021763 | 2 | BUSHING | |
| 18 | 70021765 | 1 | BUSHING | |
| 19 | 70021762 | 1 | TUBE ASSY | |
| 20 | 70021761 | 1 | ROD ASSY | |
| 21 | 70021760 | 1 | HEAD | |
| 22 | 70021759 | 1 | PISTON | |
| 174 | 1001098223 | 1 | CYLINDER PIN | |
| 205 | 88581149 | 2 | RETAINING RING | |
| K1 | 70021764 | 1 | SEAL KIT, (includes items 1 thru 9) | |

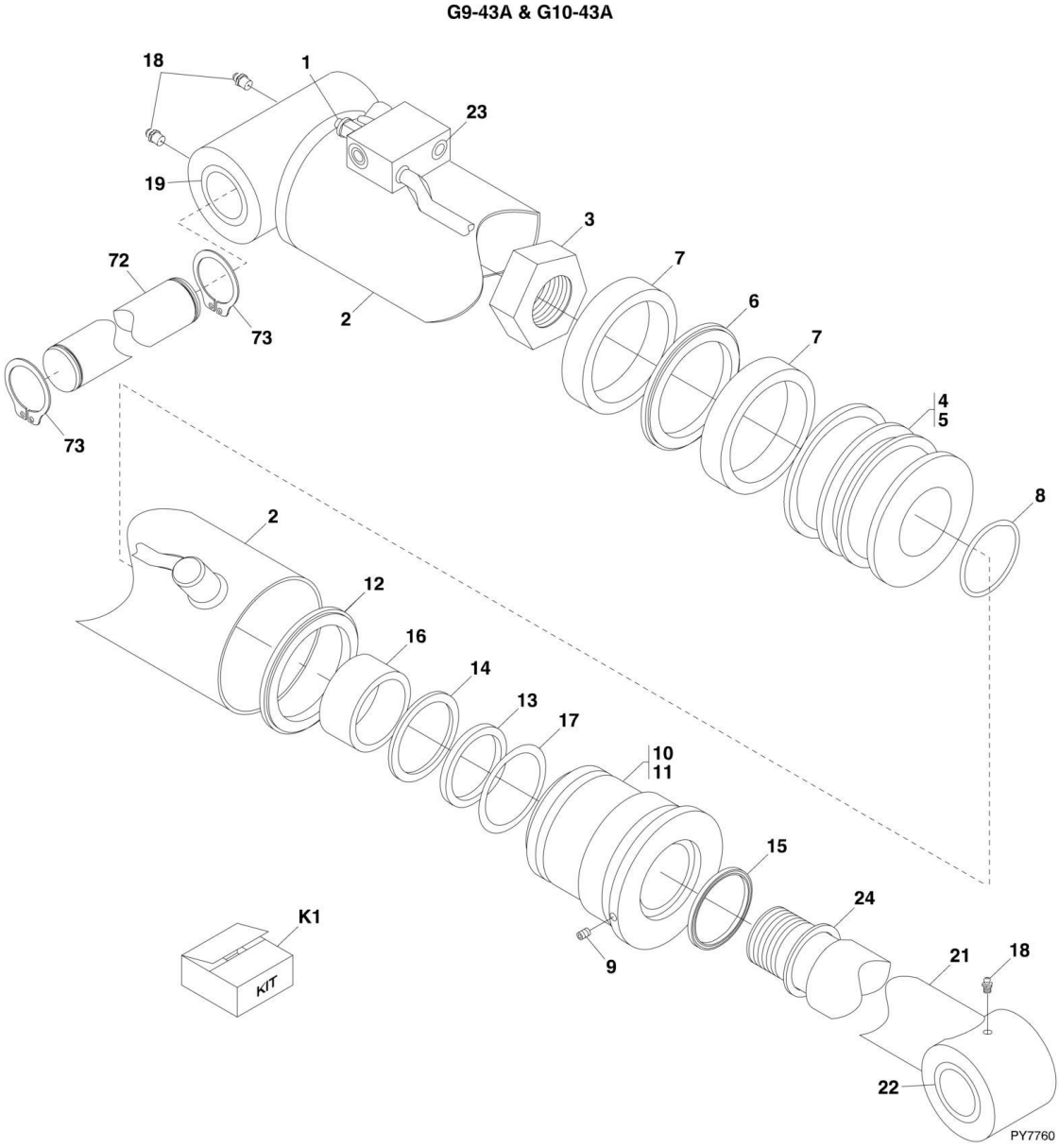
## FIGURE 9-30. CYLINDER - TILT (G6-42A) (SN 0160057406 to Present)



## FIGURE 9-30. CYLINDER - TILT (G6-42A) (SN 0160057406 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152466 | 1 | TILT CYLINDER | A |
| 1 | 70025950 | 1 | BARREL | |
| 2 | 70025955 | 2 | BUSHING | |
| 3 | 70024020 | 2 | GREASE FITTING | |
| 4 | 70025957 | 2 | GREASE NIPPLE | |
| 5 | 70025958 | 2 | STEEL PLUG | |
| 6 | 70025959 | 1 | STEEL PLUG | |
| 7 | 70025960 | 1 | COUNTERBALANCE VALVE | |
| 8 | 70025961 | 1 | STEEL BLANKING PLUG | |
| 9 | 70025962 | 1 | SEAL KIT (includes items 101 thru 107) | |
| 101 | Kit | 1 | PISTON HEAD BEARING RING | |
| 102 | Kit | 1 | PISTON SEAL | |
| 103 | Kit | 1 | O-RING | |
| 104 | Kit | 1 | BACK UP RING | |
| 105 | Kit | 1 | ROD SEAL | |
| 106 | Kit | 1 | O-RING | |
| 107 | Kit | 1 | WIPER | |
| 10 | 70027054 | 1 | ROD, PISTON HEAD KIT (includes items 201 thru 209) | |
| 201 | Kit | 1 | ROD (not available outside of 70027054 Assy) | |
| 202 | 70025952 | 1 | PISTON ASSY | |
| 203 | 70025953 | 1 | GLAND | |
| 204 | 70025954 | 1 | BUSHING | |
| 205 | 70025956 | 1 | LOCKING SCREW | |
| 206 | 70023101 | 1 | SNAP RING | |
| 207 | 70024020 | 1 | GREASE FITTING | |
| 208 | 70025957 | 1 | GREASE NIPPLE | |
| 209 | 70025614 | 1 | BALL | |

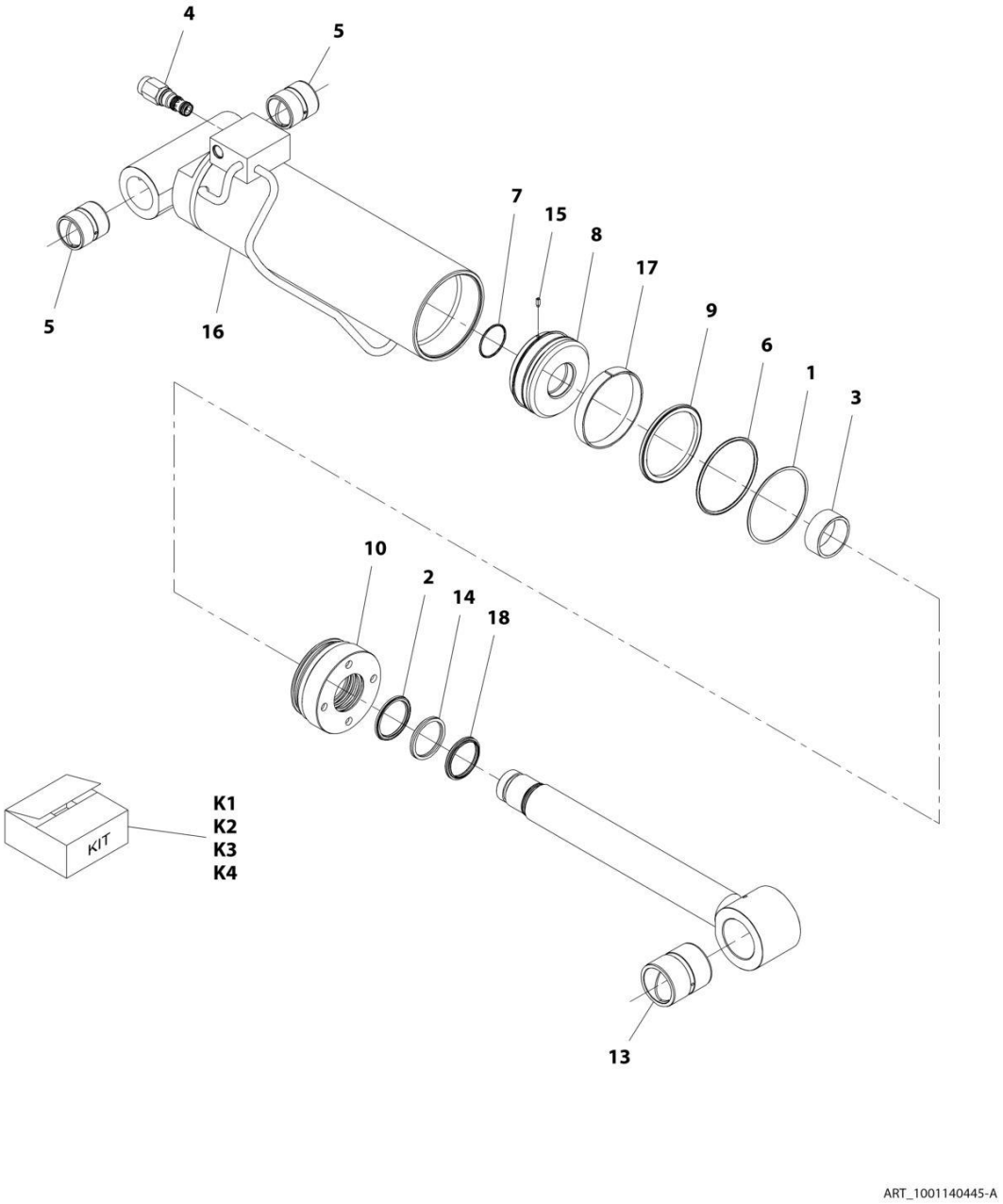
## FIGURE 9-31. CYLINDER - TILT (G10-43A,G9-43A) (Prior to SN 0160060644, Excluding 0160056536, 0160056537, 0160060633 and 0160060635)



## FIGURE 9-31. CYLINDER - TILT (G10-43A,G9-43A) (Prior to SN 0160060644, Excluding 0160056536, 0160056537, 0160060633 and 0160060635)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91513275 | | TILT CYLINDER (includes items 1 thru 23) | C |
| 1 | 1001109225 | 1 | RELIEF VALVE, (torque to 44 lb-ft/60 Nm) | |
| 1 | 91404382 | 1 | SEAL KIT | |
| 2 | 70022063 | 1 | BARREL ASSY, (includes item 19) | |
| 3 | 10727280 | 1 | LOCKNUT, (torque to 1550-1810 lb-ft/2101-2454 Nm) | |
| 4 | 70022065 | 1 | PISTON ASSY, (includes items 5 thru 8) | |
| 5 | N.S.S. | 1 | PISTON | |
| 6 | Kit | 1 | PISTON SEAL | |
| 7 | Kit | 2 | WEAR RING | |
| 8 | Kit | 1 | O-RING | |
| 9 | 7029760 | 1 | CAPSCREW | |
| 10 | 70022056 | 1 | ROD BEARING ASSY, (includes items 11 thru 17) | |
| 11 | N.S.S. | 1 | ROD BEARING | |
| 12 | Kit | 1 | PISTON SEAL | |
| 13 | Kit | 1 | ROD SEAL | |
| 14 | Kit | 1 | BUFFER SEAL | |
| 15 | N.S.S. | 1 | WIPER | |
| 16 | Kit | 2 | WEAR RING | |
| 17 | Kit | 1 | O-RING | |
| 18 | 91404080 | 3 | GREASE FITTING | |
| 19 | 7029871 | 2 | BUSHING, (manganese phosphate coating) | |
| 20 | 70022066 | 1 | PLUG, (torque to 10-15 lb-ft/14-20 Nm) | |
| 21 | 70022064 | 1 | ROD ASSY | |
| 22 | 7029872 | 1 | BUSHING, (manganese phosphate coating) | |
| 23 | 70022067 | 1 | PLUG, (torque to 10-15 lb-ft/14-20 Nm) | |
| 72 | 1001115739 | 1 | CYLINDER PIN | |
| 73 | 88581149 | 2 | RETAINING RING | |
| K1 | 91514281 | 1 | SEAL KIT, (includes items 6 thru 8, 12 thru 14, 16 & 17) | |

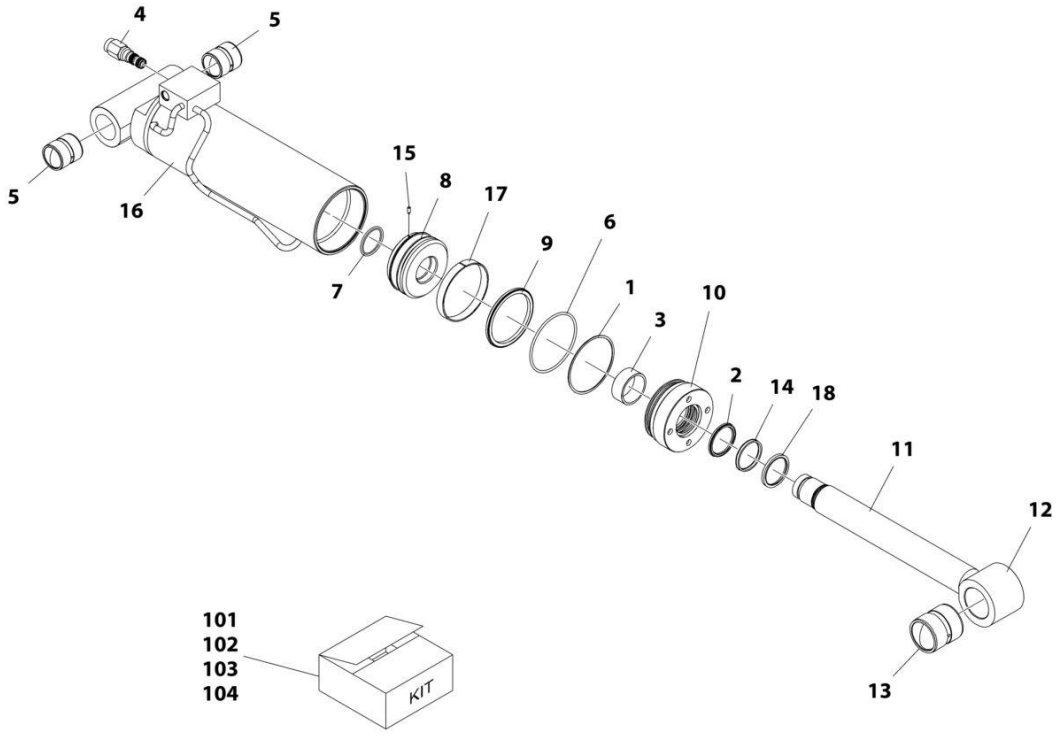
## FIGURE 9-32. CYLINDER - TILT (G10-43A,G9-43A) (SN 0160060644 to Present, Including 0160056536, 0160056537, 0160060633 and 0160060635)



## FIGURE 9-32. CYLINDER - TILT (G10-43A,G9-43A) (SN 0160060644 to Present, Including 0160056536, 0160056537, 0160060633 and 0160060635)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001140445 | 1 | TILT CYLINDER (includes items 1 thru 18) | A |
| 1 | Kit | 1 | BACK-UP RING | |
| 2 | Kit | 1 | BUFFER RING | |
| 3 | Kit | 1 | BUSHING | |
| 4 | 70025930 | 1 | COUNTERBALANCE VALVE | |
| 5 | 70025931 | 2 | HEAD END BUSHING | |
| 6 | Kit | 1 | O-RING | |
| 7 | Kit | 1 | O-RING | |
| 8 | Kit | 1 | PISTON | |
| 9 | Kit | 1 | PISTON SEAL | |
| 10 | Kit | 1 | RETAINER | |
| 13 | 70025924 | 1 | ROD END BUSHING | |
| 14 | Kit | 1 | ROD SEAL | |
| 15 | Kit | 1 | SET SCREW | |
| 16 | 70025932 | 1 | BARREL | |
| 17 | Kit | 1 | WEAR RING | |
| 18 | Kit | 1 | WIPER | |
| K1 | 70025920 | 1 | SERVICE KIT, (includes items 1,2,3,6,7,9,14,17,18) | |
| K2 | 70025933 | 1 | ROD SERVICE KIT, (includes items 11,12,13) | |
| K3 | 70025921 | 1 | RETAINER SUB ASSY, (includes items 1,2,3,6,10,14,18) | |
| K4 | 70025922 | 1 | PISTON SUB ASSY, (includes items 8,9,15,17) | |

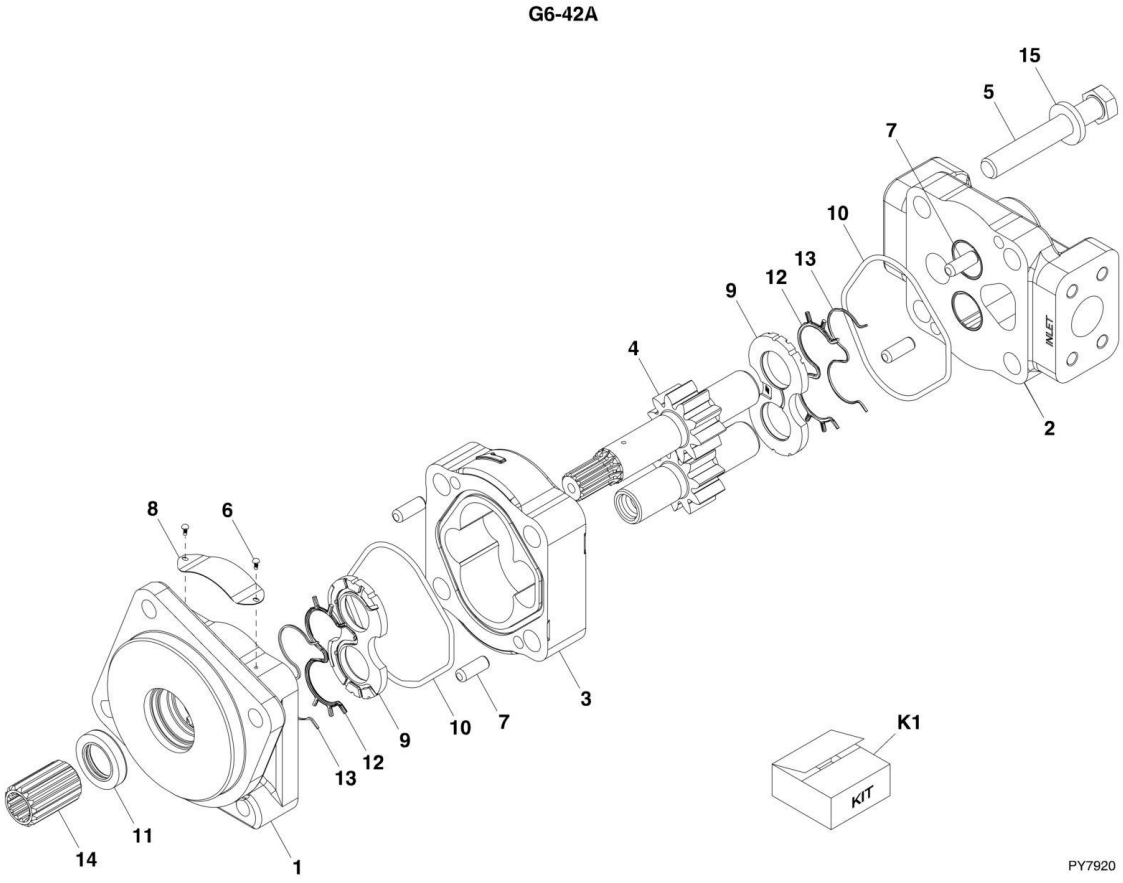
## FIGURE 9-33. CYLINDER - TILT (ARCTIC) (G10-43A,G9-43A)



## FIGURE 9-33. CYLINDER - TILT (ARCTIC) (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001174530 | 1 | TILT CYLINDER (ARCTIC) | A |
| 1 | Kit | 1 | BACK-UP RING | |
| 2 | Kit | 1 | BUFFER RING | |
| 3 | Kit | 1 | BUSHING | |
| 4 | 70025930 | 1 | C/BALANCE VALVE | |
| 5 | 70025931 | 2 | HEAD END BUSHING | |
| 6 | Kit | 1 | O-RING | |
| 7 | Kit | 1 | O-RING | |
| 8 | Kit | 1 | PISTON | |
| 9 | Kit | 1 | PISTON SEAL | |
| 10 | Kit | 1 | RETAINER | |
| 11 | Kit | 1 | ROD | |
| 12 | Kit | 1 | ROD END | |
| 13 | Kit | 1 | ROD END BUSHING | |
| 14 | Kit | 1 | ROD SEAL | |
| 15 | Kit | 1 | SET SCREW | |
| 16 | 70025932 | 1 | BARREL | |
| 17 | Kit | 1 | WEAR RING | |
| 18 | Kit | 1 | WIPER | |
| 101 | 70025934 | 1 | SERVICE KIT, (includes items 1,2,3,6,7,9,14,17,18) | |
| 102 | 70025933 | 1 | ROD SERVICE KIT, (includes items 11,12,13) | |
| 103 | 70025935 | 1 | RETAINER SUB ASSY, (includes items 1,2,3,6,10,14,18) | |
| 104 | 70025922 | 1 | PISTON SUB ASSY, (includes items 8,9,15,17) | |

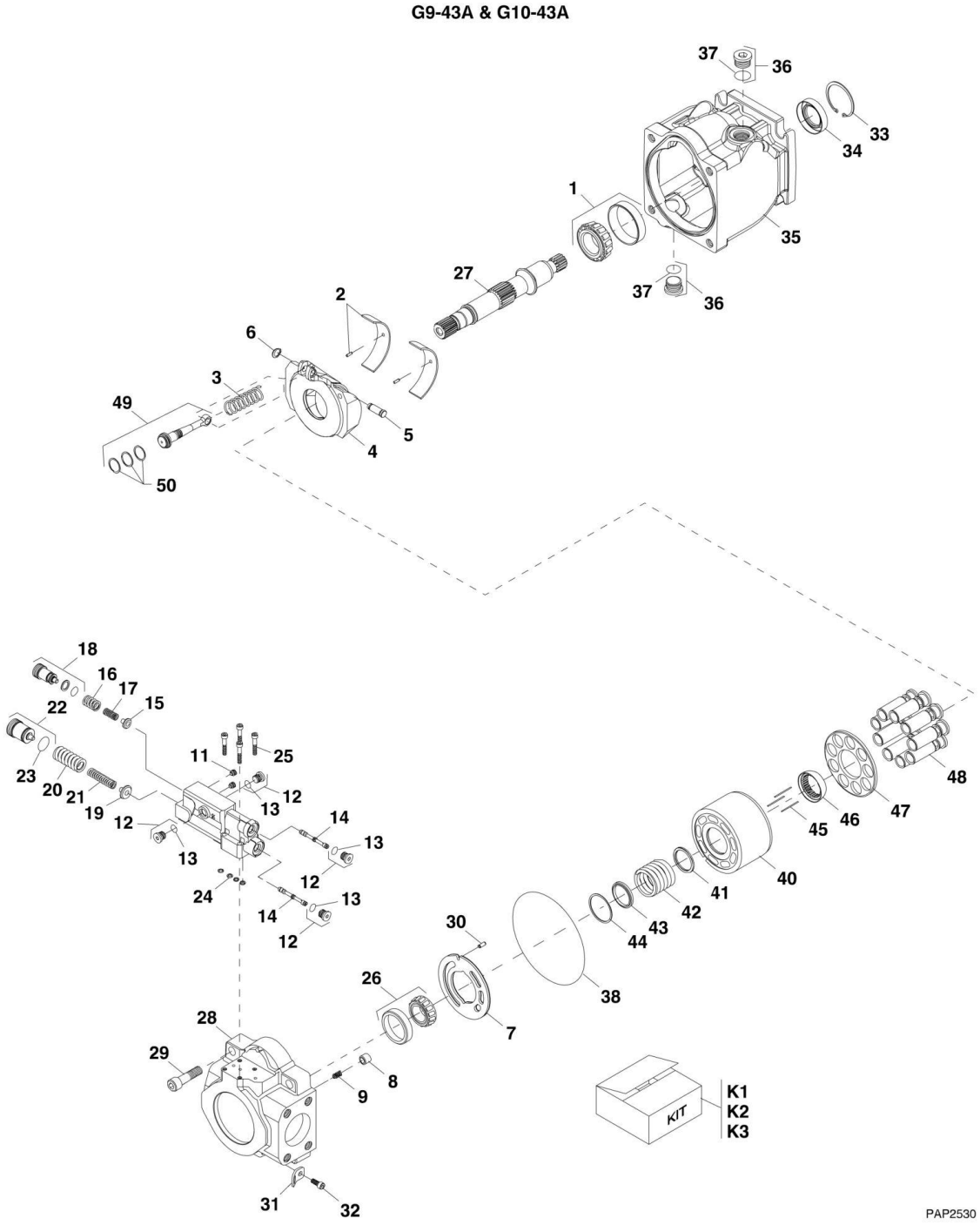
## FIGURE 9-34. PUMP- HYDRAULIC (G6-42A)



## FIGURE 9-34. PUMP- HYDRAULIC (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 3600449 | 1 | HYDRAULIC PUMP (includes all items) | B |
| 1 | 7029844 | 1 | SHAFT END COVER ASSY | |
| 2 | 91474178 | 1 | PORT END COVER ASSY | |
| 3 | 91474179 | 1 | GEAR HOUSING | |
| 4 | 7029843 | 1 | GEAR SHAFT SET | |
| 5 | 91474181 | 4 | CAPSCREW | |
| 6 | 7029112 | 2 | DRIVE SCREW | |
| 7 | 83671037 | 4 | DOWEL PIN | |
| 8 | 7029842 | 1 | NAME PLATE | |
| 9 | 83674096 | 2 | THRUST PLATE | |
| 10 | Kit | 2 | O-RING | |
| 11 | Kit | 1 | LIP SEAL | |
| 12 | Kit | 2 | CHANNEL SEAL | |
| 13 | Kit | 2 | BACK-UP SEAL | |
| 14 | 8035744 | 1 | SPLINE ADAPTER | |
| 15 | 8035261 | 4 | WASHER | |
| K1 | 91474624 | 1 | SEAL KIT, (includes items 10 thru 13) | |

## FIGURE 9-35. PUMP - HYDRAULIC (G10-43A,G9-43A)



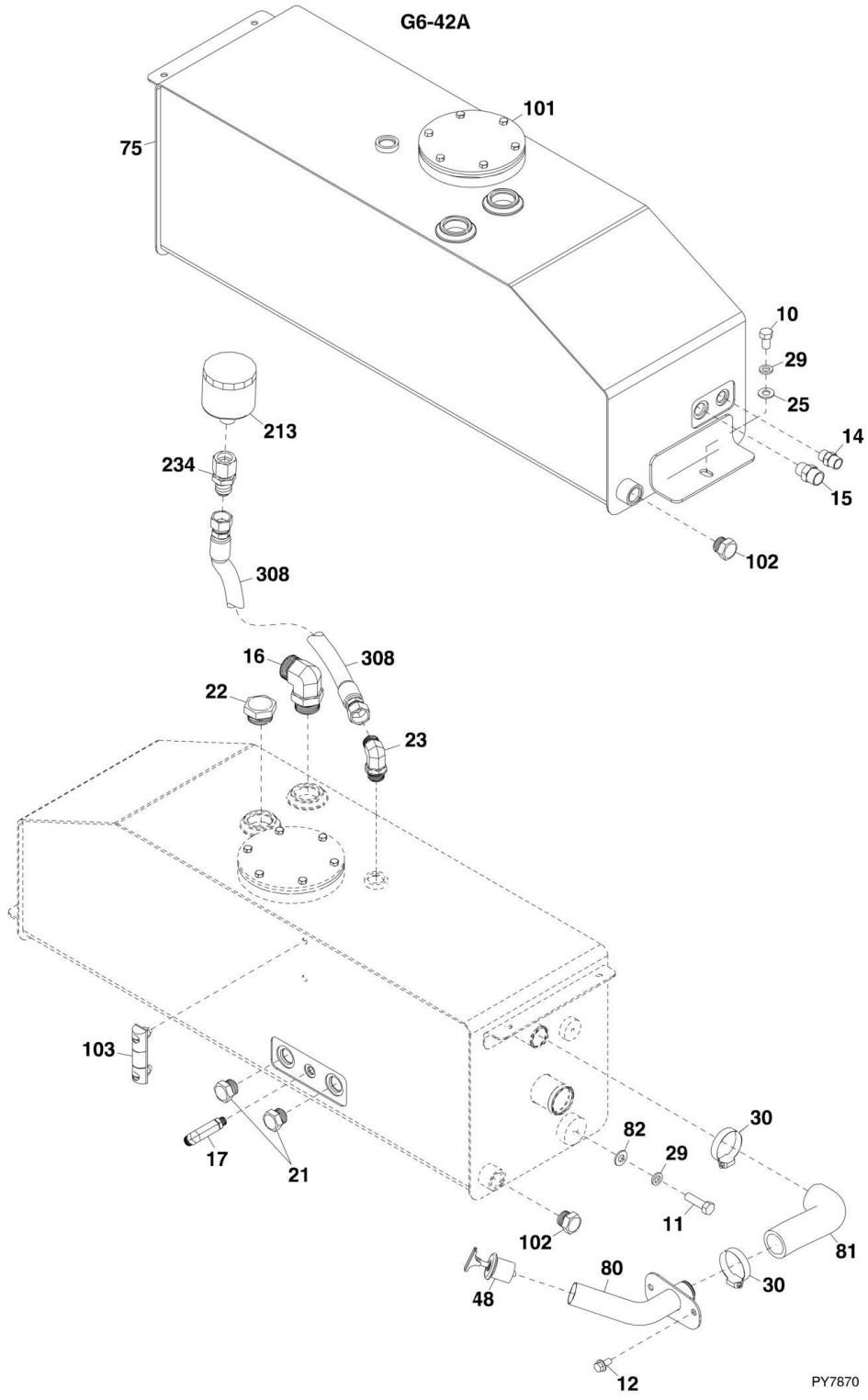
## FIGURE 9-35. PUMP - HYDRAULIC (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001105613 | 1 | HYDRAULIC PUMP (includes all items) | C |
| 1 | 70002578 | 1 | FRONT BEARING KIT | |
| 2 | 70002579 | 1 | SWATCH PLATE BEARING KIT | |
| 3 | 70002580 | 1 | SPRING | |
| 4 | 70002581 | 1 | SWASH PLATE | |
| 5 | 70002582 | 1 | RETAINER SHAFT | |
| 6 | 70002583 | 1 | RETAING RING | |
| 7 | 70023349 | 1 | LH VALVE PLATE | |
| 8 | 70001956 | 1 | CHECK VALVE POPPET | |
| 9 | 70001955 | 1 | SPRING | |
| 11 | 70023351 | 2 | SET SCREW | |
| 12 | 70002133 | 4 | PLUG | |
| 13 | 7007207 | 8 | O-RING | |
| 14 | 70023352 | 2 | SPOOL | |
| 15 | 70023353 | 1 | SPRING GUIDE, LS | |
| 16 | 70023354 | 1 | OUTER SPRING, LS | |
| 17 | 70023355 | 1 | INNER SPRING, LS | |
| 18 | 70023356 | 2 | ADJUSTING PLUG, LS | |
| 19 | 70023357 | 1 | SPRING GUIDE, PC | |
| 20 | 70023358 | 1 | OUTER SPRING, PC | |
| 21 | 70023359 | 1 | INNER SPRING, PC | |
| 22 | 70023360 | 1 | ADJUSTING PLUG, PC | |
| 23 | 70023361 | 2 | O-RING | |
| 24 | 70023362 | 8 | SEAL RING | |
| 25 | 70023363 | 4 | SCREW | |
| 26 | 70002585 | 1 | REAR BEARING KIT | |
| 27 | 70023364 | 1 | SHAFT | |
| 28 | 70023365 | 1 | RADIAL END CAP | |
| 29 | 70002588 | 4 | SCREW | |
| 30 | 7007446 | 1 | SLOTTED PIN | |
| 31 | 7022340 | 1 | LIFTING BRACKET | |
| 32 | 70002590 | 1 | SCREW | |
| 33 | 7023962 | 1 | RETAINING RING | |
| 34 | 70022287 | 2 | LIP SEAL | |
| 35 | 70022288 | 1 | HOUSING | |
| 36 | 7023964 | 2 | PLUG | |
| 37 | 7007415 | 4 | O-RING | |
| 38 | 70002595 | 2 | END CAP SEAL | |
| 40 | 70023366 | 1 | CYLINDER BLOCK | |
| 41 | 7007429 | 1 | SPRING SEAT | |
| 42 | 70002591 | 1 | SPRING | |
| 43 | 7007427 | 1 | SPRING SEAT | |
| 44 | 7007426 | 1 | RETAINING RING | |
| 45 | 7021275 | 3 | HOLD DOWN PIN | |
| 46 | 70002592 | 1 | SLIPPER RETAINER GUIDE | |
| 47 | 70002593 | 1 | SLIPPER RETAINER | |
| 48 | 70002594 | 9 | PISTON ASSY | |
| 49 | 70023367 | 1 | SERVO PISTON ASSY | |
| 50 | 70002598 | 6 | PISTON RING | |
| K1 | 70023350 | 1 | CONTROL KIT, (includes items 11 thru 25) | |

# SECTION 9 - HYDRAULIC COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| K2 | 70002596 | 1 | CYLINDER BLOCK KIT, (includes items 40 thru 48) | |
| K3 | 70002599 | 1 | OVERHAUL SEAL KIT | |

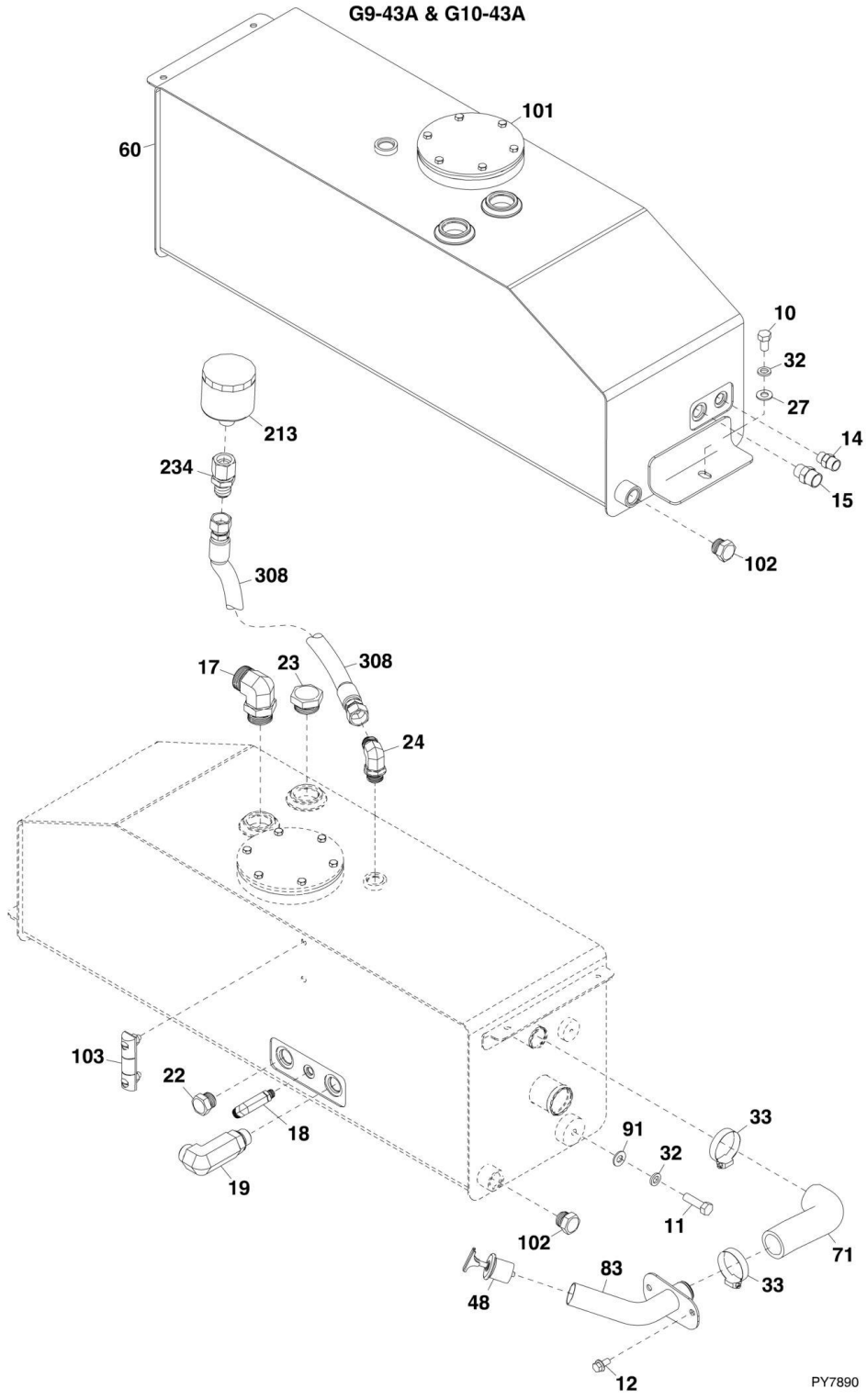
## FIGURE 9-36. TANK - HYDRAULIC (G6-42A)



## FIGURE 9-36. TANK - HYDRAULIC (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 10 | 0641807 | 1 | HEX HD CAPSCREW, 1/2-13X7/8, GR5 | |
| 11 | 0641814 | 1 | HEX HD CAPSCREW, 1/2-13X1-3/4, GR5 | |
| 12 | 0811606 | 2 | SCREW, 3/8-16X3/4 | |
| 14 | 2110808 | 1 | STRAIGHT FITTING, (includes o-ring) | |
| 15 | 2111010 | 1 | STRAIGHT FITTING, (includes o-ring) | |
| 16 | 2132020 | 1 | ADAPTER, 90, (includes o-ring) | |
| 17 | 2170206 | 1 | ADAPTER, 90, (includes o-ring) | |
| 21 | 2220240 | 2 | PLUG, (includes o-ring) | |
| 22 | 2220243 | 1 | PLUG, (includes o-ring) | |
| 23 | 2220578 | 1 | ADAPTER, 90, (includes o-ring) | |
| 25 | 4711800 | 1 | WASHER, 1/2 | |
| 29 | 4761800 | 2 | LOCKWASHER, 1/2 | |
| 30 | 8405104 | 2 | 2-1/4IN CLAMP | |
| 48 | 91403579 | 1 | CAP | |
| 75 | 1001120654 | 1 | HYDRAULIC TANK, (includes items 101 thru 103) | K |
| 80 | 1001136981 | 1 | TUBE, WELDMENT | |
| 81 | 1001128038 | 1 | HOSE | |
| 82 | 91561241 | 1 | WASHER, 1/2 | |
| 101 | 70024152 | 1 | FILTER KIT, (includes filter and gasket) | |
| 102 | 70023345 | 2 | PLUG | |
| 103 | 91563136 | 1 | SIGHT GAUGE | |
| 213 | 1340021 | 1 | AIR BREATHER | |
| 234 | 91163100 | 1 | ADAPTER | |
| 308 | 1001121498 | 1 | HOSE ASSY | |

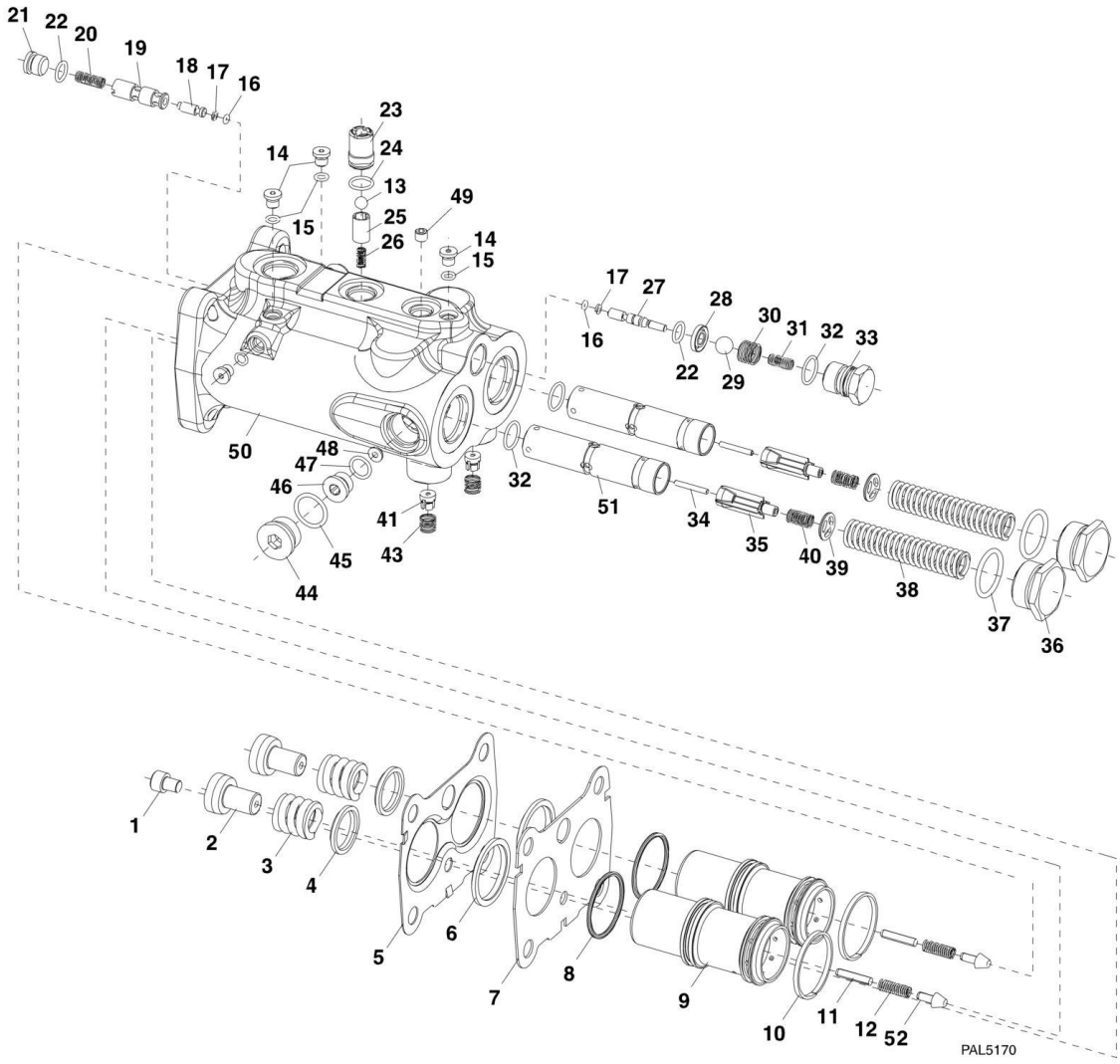
## FIGURE 9-37. TANK - HYDRAULIC (G10-43A,G9-43A)



## FIGURE 9-37. TANK - HYDRAULIC (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 10 | 0641807 | 1 | HEX HD CAPSCREW, 1/2-13X7/8, GR5 | |
| 11 | 0641814 | 1 | HEX HD CAPSCREW, 1/2-13X1-3/4, GR5 | |
| 12 | 0811606 | 2 | SCREW, 3/8-16X3/4 | |
| 14 | 2110808 | 1 | STRAIGHT FITTING, (includes o-ring) | |
| 15 | 2111010 | 1 | STRAIGHT FITTING, (includes o-ring) | |
| 17 | 2132020 | 1 | ADAPTER, 90, (includes o-ring) | |
| 18 | 2170206 | 1 | ADAPTER, 90, (includes o-ring) | |
| 19 | 2170212 | 1 | ADAPTER, 90, (includes o-ring) | |
| 22 | 2220240 | 1 | PLUG, (includes o-ring) | |
| 23 | 2220243 | 1 | PLUG, (includes o-ring) | |
| 24 | 2220578 | 1 | ADAPTER, 90, (includes o-ring) | |
| 27 | 4711800 | 1 | WASHER, 1/2 | |
| 32 | 4761800 | 2 | LOCKWASHER, 1/2 | |
| 33 | 8405104 | 2 | 2-1/4IN CLAMP | |
| 48 | 91403579 | 1 | CAP | |
| 60 | 1001120654 | 1 | HYDRAULIC TANK, (includes items 101 thru 103) | K |
| 71 | 1001128038 | 1 | HOSE | |
| 83 | 1001136981 | 1 | TUBE, WELDMENT | |
| 91 | 91561241 | 1 | WASHER, 1/2 | |
| 101 | 70024152 | 1 | FILTER KIT, (includes filter and gasket) | |
| 102 | 70023345 | 2 | PLUG | |
| 103 | 70024153 | 1 | SIGHT GAUGE | |
| 213 | 1340021 | 1 | AIR BREATHER | |
| 234 | 91163100 | 1 | ADAPTER | |
| 308 | 1001123065 | 1 | HOSE ASSY | |

## FIGURE 9-38. VALVE - BRAKE



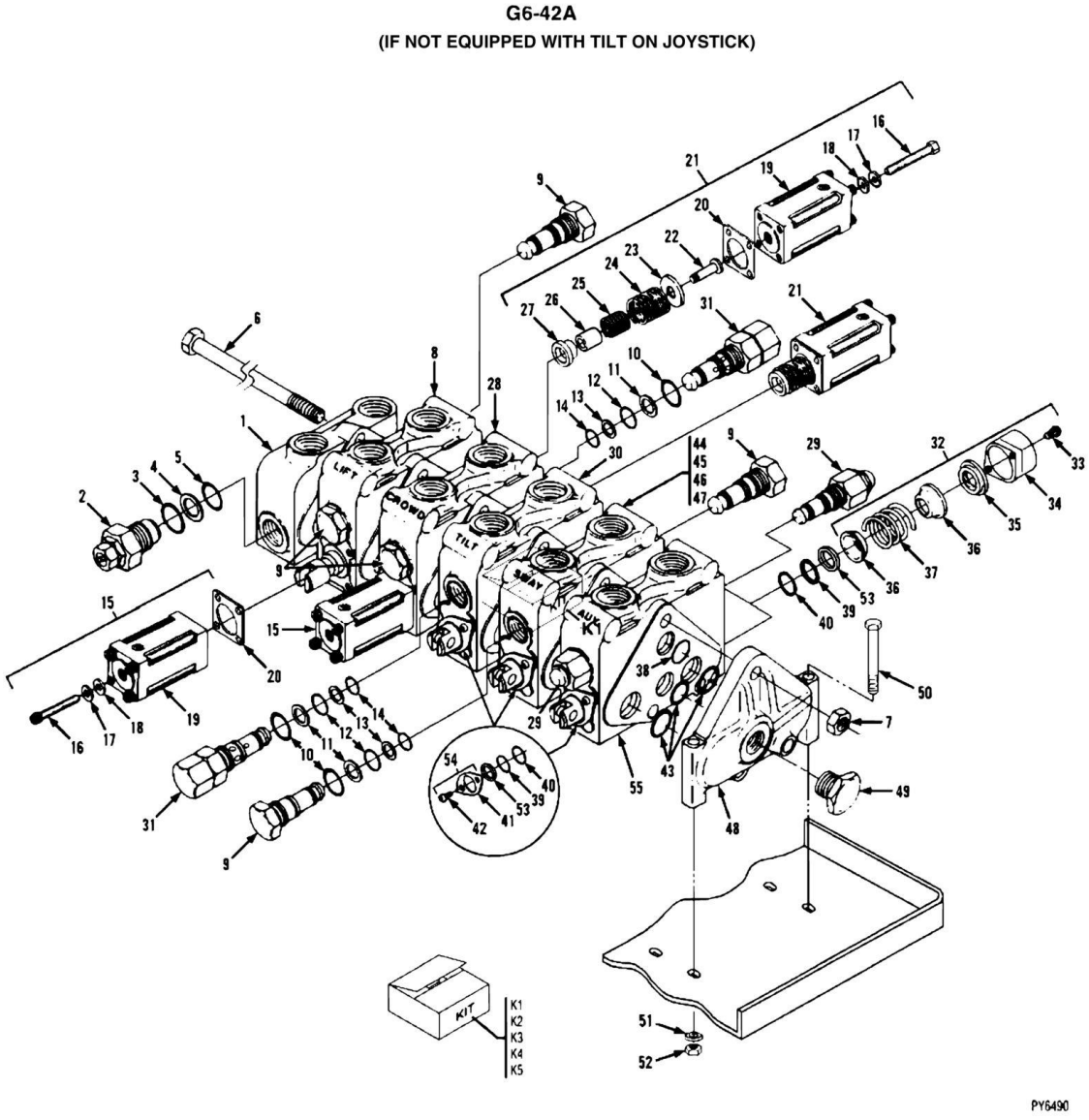
## FIGURE 9-38. VALVE - BRAKE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001106836 | 1 | POWER BRAKE VALVE, (includes all items) | A |
| 1 | 91474454 | 1 | SCREW | |
| 2 | 91474442 | 2 | PIN | |
| 3 | 70020659 | 2 | SPRING | |
| 4 | 91474441 | 2 | WIPER | |
| 5 | 70020660 | 1 | COVER | |
| 6 | 91474440 | 2 | WIPER | |
| 7 | 70020661 | 1 | COVER | |
| 8 | 91474439 | 2 | QUAD RING | |
| 9 | 70020662 | 2 | PISTON | |
| 10 | 70020663 | 2 | PISTON RING | |
| 11 | 70023037 | 2 | PIN | |
| 12 | 91474438 | 2 | SPRING | |
| 13 | 91474452 | 1 | BALL | |
| 14 | 91474450 | 4 | PLUG | |
| 15 | 91474451 | 4 | O-RING | |
| 16 | 91474453 | 2 | O-RING | |
| 17 | 91514199 | 2 | BACKUP RING | |
| 18 | 91474455 | 1 | DUMP PISTON | |
| 19 | 91474456 | 1 | DUMP SPOOL | |
| 20 | 70020665 | 1 | SPRING | |
| 21 | 91474458 | 1 | PLUG | |
| 22 | 91514198 | 2 | O-RING | |
| 23 | 70020666 | 1 | INLET SEAT | |
| 24 | 70020667 | 1 | O-RING | |
| 25 | 70020668 | 1 | RETAINER | |
| 26 | 70020669 | 1 | SPRING | |
| 27 | 91474447 | 1 | PISTON | |
| 28 | 91474446 | 1 | SEAT | |
| 29 | 70020670 | 1 | BALL | |
| 30 | 70020671 | 1 | SPRING | |
| 31 | 70020672 | 1 | SPRING | |
| 32 | 91514197 | 3 | O-RING | |
| 33 | 91474443 | 1 | PLUG | |
| 34 | 70020673 | 2 | NEEDLE ROLLER | |
| 35 | 70020674 | 2 | MAKE-UP CHECK | |
| 36 | 91474434 | 2 | PLUG | |
| 37 | 91474435 | 2 | O-RING | |
| 38 | 70020675 | 2 | SPRING | |
| 39 | 70020676 | 2 | SPRING GUIDE | |
| 40 | 70020677 | 2 | SPRING | |
| 41 | 70020678 | 2 | ORIFICE | |
| 43 | 70020679 | 2 | SPRING | |
| 44 | 91474459 | 1 | PLUG | |
| 45 | 91474460 | 1 | O-RING | |
| 46 | 70020680 | 1 | PLUG | |
| 47 | 70020681 | 1 | O-RING | |
| 48 | 70020682 | 1 | ORIFICE | |
| 49 | 70023039 | 1 | ORIFICE | |
| 50 | N.S.S. | 1 | HOUSING | |

# SECTION 9 - HYDRAULIC COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 51 | N.S.S. | 2 | SPOOL | |
| 52 | 70023038 | 2 | POPPET | |

## FIGURE 9-39. VALVE - MAIN CONTROL (G6-42A)



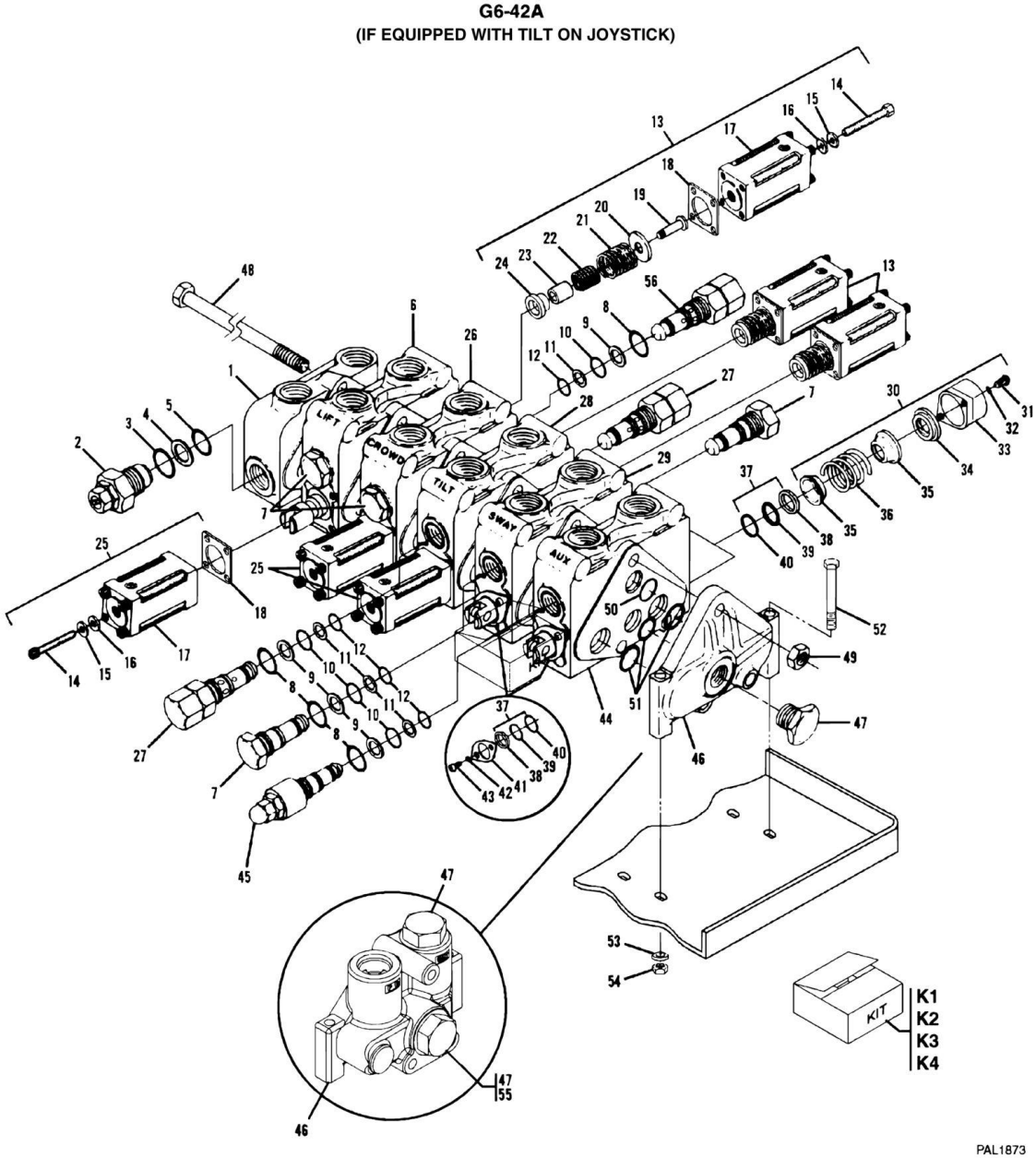
## FIGURE 9-39. VALVE - MAIN CONTROL (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001109217 | 1 | MAIN HYDRAULIC CONTROL VALVE (if not equipped with tilt on joystick), (includes all items) | A |
| 1 | 91084008 | 1 | INLET COVER ASSY, (includes item 2) | |
| 2 | 91084009 | 1 | MAIN RELIEF, (includes items 3 thru 5) | |
| 3 | Kit | 1 | O-RING | |
| 4 | Kit | 1 | BACKUP RING | |
| 5 | Kit | 1 | O-RING | |
| 6 | Kit | 3 | HEX HD CAPSCREW | |
| 7 | Kit | 3 | HEX NUT | |
| 8 | 91404182 | 1 | VALVE SECTION ASSY, (Lift), (includes one each of items 15 & 21 & two of item 9) | |
| 9 | 91084010 | 3 | LOAD CHECK PLUG, (includes items 10 thru 14) | |
| 10 | Kit | 2 | O-RING | |
| 11 | Kit | 1 | BACKUP RING | |
| 12 | Kit | 1 | O-RING | |
| 13 | Kit | 1 | O-RING | |
| 14 | Kit | 2 | BACKUP RING | |
| 15 | 91094023 | 2 | HYDRAULIC REMOTE POSITIONER, (includes items 16 thru 20) | |
| 16 | N.S.S. | 4 | SCREW | |
| 17 | N.S.S. | 4 | LOCKWASHER | |
| 18 | N.S.S. | 4 | BEARING PLATE | |
| 19 | N.S.S. | 1 | BONNET | |
| 20 | N.S.S. | 1 | SEAL | |
| 21 | 91094024 | 2 | HYDRAULIC REMOTE POSITIONER, (includes items 16 thru 20 & 22 thru 27) | |
| 22 | N.S.S. | 1 | SPOOL POSITIONER | |
| 23 | N.S.S. | 1 | WASHER | |
| 24 | N.S.S. | 1 | SPRING, (large) | |
| 25 | N.S.S. | 1 | SPRING, (small) | |
| 26 | N.S.S. | 1 | STOP SLEEVE | |
| 27 | N.S.S. | 1 | STOP COLLAR | |
| 28 | 91404186 | 1 | VALVE SECTION ASSY, (Extend/Retract), (includes one each of items 9, 15, 21 & 31) | |
| 29 | 91404187 | 1 | RELIEF CARTRIDGE, (includes items 10 thru 14) | |
| 30 | 91404188 | 1 | VALVE SECTION ASSY, (Tilt), (includes one each of items 32 & 53 & two each of 31, 39, 40 & 54) | |
| 31 | 91404189 | 2 | RELIEF CARTRIDGE, (includes items 10 thru 14) | |
| 32 | 91084004 | 3 | SPOOL POSITIONER ASSY, (includes items 33 thru 37) | |
| 33 | N.S.S. | 2 | SCREW | |
| 34 | N.S.S. | 1 | BONNET | |
| 35 | N.S.S. | 1 | SPOOL SPUD | |
| 36 | N.S.S. | 2 | SPRING COLLAR | |
| 37 | N.S.S. | 1 | SPRING | |
| 38 | Kit | 1 | O-RING | |
| 39 | Kit | 6 | BACKUP WASHER | |
| 40 | Kit | 6 | O-RING | |
| 41 | N.S.S. | 1 | RETAINER PLATE | |
| 42 | N.S.S. | 2 | SCREW | |
| 43 | Kit | 3 | O-RING | |
| 44 | 91404191 | 1 | VALVE SECTION ASSY, (Frame Level), (includes one each of items 32 & 53 & two each of 9, 39, 40 & 54) | |

# SECTION 9 - HYDRAULIC COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 45 | 91404192 | 2 | PORT RESTRICTOR ASSY, (includes items 46 & 47) | |
| 46 | N.S.S. | 1 | ORIFICE PLATE | |
| 47 | N.S.S. | 1 | CONICAL SPRING | |
| 48 | 91084278 | 1 | OUTLET COVER ASSY, (includes item 49) | |
| 49 | 91084279 | 1 | PLUG | |
| 50 | 88201028 | 3 | HEX HD CAPSCREW, 5/16-18X3, GR5 | |
| 51 | 88561003 | 3 | FLAT WASHER, 5/16 | |
| 52 | 88521305 | 3 | NYLOCK NUT, 5/16-18 | |
| 53 | 91404214 | 6 | SEAL RETAINER | |
| 54 | 91084006 | 3 | SEAL RETAINER KIT, (includes items 41 & 42) | |
| 55 | 7029862 | 1 | VALVE SECTION ASSY, (Aux), (includes one each of items 32 & 54 & two each of items 29, 39, 40 & 53) | |
| K1 | 91084203 | 1 | STUD KIT, (includes items 6 & 7) | |
| K2 | 91404178 | 6 | VALVE SECTION SEAL KIT, (includes items 38 & 43) | |
| K3 | 91404179 | 1 | MAIN RELIEF SEAL KIT, (includes items 3, 4 & 5) | |
| K4 | 70020717 | 8 | PLUG SEAL KIT, (includes items 10 thru 14) | |
| K5 | 91084005 | 6 | SPOOL SEAL KIT, (includes one each of items 39, 40 & 53) | |

## FIGURE 9-40. VALVE - MAIN CONTROL (G6-42A)



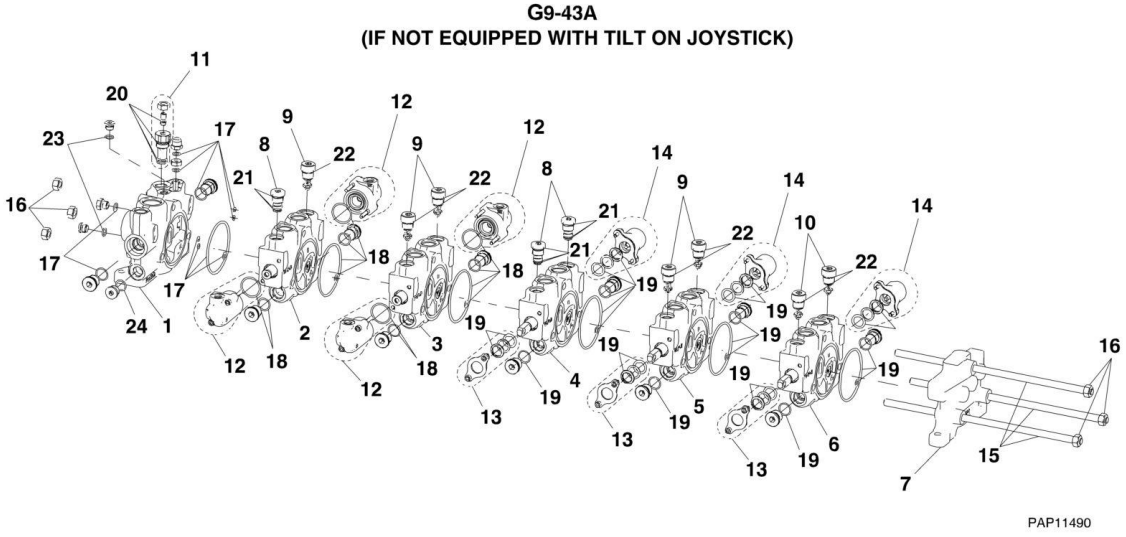
## FIGURE 9-40. VALVE - MAIN CONTROL (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001001062 | 1 | MAIN CONTROL VALVE (if equipped with tilt on joystick), (includes items 1 thru 51 & 56) | C |
| 1 | 91084008 | 1 | INLET COVER ASSY, (includes item 2) | |
| 2 | 70021544 | 1 | MAIN RELIEF, 4000PSI, (includes items 3 thru 5) | |
| 3 | Kit | 1 | O-RING | |
| 4 | Kit | 1 | BACKUP RING | |
| 5 | Kit | 1 | O-RING | |
| 6 | 91404182 | 1 | VALVE SECTION ASSY, (Lift), (includes one each of items 13 & 25 and two of item 7) | |
| 7 | 91084010 | 5 | LOAD CHECK PLUG, (includes items 8 thru 12) | |
| 8 | Kit | 10 | O-RING | |
| 9 | Kit | 10 | BACKUP RING | |
| 10 | Kit | 10 | O-RING | |
| 11 | Kit | 10 | BACKUP RING | |
| 12 | Kit | 10 | O-RING | |
| 13 | 91094024 | 3 | HYDRAULIC REMOTE POSITIONER, (includes items 14 thru 24) | |
| 14 | N.S.S. | 24 | HEX HD CAPSCREW, 1/4-20X3 | |
| 15 | N.S.S. | 24 | LOCKWASHER, 1/4 | |
| 16 | N.S.S. | 6 | BEARING PLATE | |
| 17 | N.S.S. | 6 | BONNET | |
| 18 | N.S.S. | 6 | SEAL | |
| 19 | N.S.S. | 3 | SPOOL POSITIONER | |
| 20 | N.S.S. | 3 | WASHER | |
| 21 | N.S.S. | 3 | SPRING, (large) | |
| 22 | N.S.S. | 3 | SPRING, (small) | |
| 23 | N.S.S. | 3 | STOP SLEEVE | |
| 24 | N.S.S. | 3 | STOP COLLAR | |
| 25 | 91094023 | 3 | HYDRAULIC REMOTE POSITIONER, (includes items 14 thru 18) | |
| 26 | 91404186 | 1 | VALVE SECTION ASSY, (Extend/Retract), (includes one each of items 7, 13, 25 & 56) | |
| 27 | 70021460 | 2 | RELIEF CARTRIDGE, 4300PSI, (includes items 8 thru 12) | |
| 28 | 91504080 | 1 | VALVE SECTION ASSY, (Tilt), (includes one each of items 13 & 25 and two of item 27) | |
| 29 | 91404191 | 1 | VALVE SECTION ASSY, (Frame Level), (includes one each of items 30 & 41 and two each of 7 & 37) | |
| 30 | 91084004 | 2 | SPOOL POSITIONER ASSY, (includes items 31 thru 36) | |
| 31 | N.S.S. | 4 | SCREW | |
| 32 | N.S.S. | 4 | WASHER | |
| 33 | N.S.S. | 2 | BONNET | |
| 34 | N.S.S. | 2 | SPOOL COLLAR | |
| 35 | N.S.S. | 4 | SPRING COLLAR | |
| 36 | N.S.S. | 2 | SPRING | |
| 37 | 91084005 | 4 | SPOOL SEAL KIT, (includes items 38 thru 40) | |
| 38 | N.S.S. | 4 | RETAINER | |
| 39 | N.S.S. | 4 | WASHER | |
| 40 | N.S.S. | 4 | SEAL | |
| 41 | 91084006 | 2 | SPOOL RETAINER, (includes items 42 & 43) | |
| 42 | N.S.S. | 4 | WASHER | |
| 43 | N.S.S. | 4 | SCREW | |

# SECTION 9 - HYDRAULIC COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 7029862 | 1 | VALVE SECTION ASSY, (Aux), (includes one each of items 30 & 41 and two each of 37 & 45) | |
| 45 | 70021461 | 2 | RELIEF CARTRIDGE, 3000PSI, (includes items 8 thru 12) | |
| 46 | 91084278 | 1 | OUTLET COVER ASSY, (no outrigger), (includes item 47) | |
| 46 | 70021281 | 1 | OUTLET COVER ASSY, (with outrigger), (includes items 47 & 55) | |
| 47 | 91084279 | 1 | PLUG, (no outrigger) | |
| 47 | 70021279 | 2 | PLUG, (with outrigger) | |
| 48 | Kit | 3 | HEX HD CAPSCREW | |
| 49 | Kit | 3 | HEX NUT | |
| 50 | Kit | 7 | O-RING | |
| 51 | Kit | 17 | O-RING | |
| 52 | 88411045 | 3 | CARRIAGE BOLT, 5/16-18X3 | |
| 53 | 4751500 | 3 | FLAT WASHER, 5/16 | |
| 54 | 88521305 | 3 | HEX LOCKNUT, 5/16-18 | |
| 55 | 70021280 | 1 | PLUG | |
| 56 | 70021459 | 1 | RELIEF CARTRIDGE, 3800PSI, (includes items 8 thru 12) | |
| K1 | 7029863 | 1 | VALVE SECTION SEAL KIT, (includes items 50 & 51) | |
| K2 | 7029864 | 1 | STUD KIT, (no outrigger), (includes items 48 & 49) | |
| K2 | 70021278 | 1 | STUD KIT, (with outrigger), (includes items 48 & 49) | |
| K3 | 91034237 | 1 | MAIN RELIEF SEAL KIT, (includes items 3, 4 & 5) | |
| K4 | 7029865 | 5 | PLUG SEAL KIT, (includes items 8 thru 12) | |

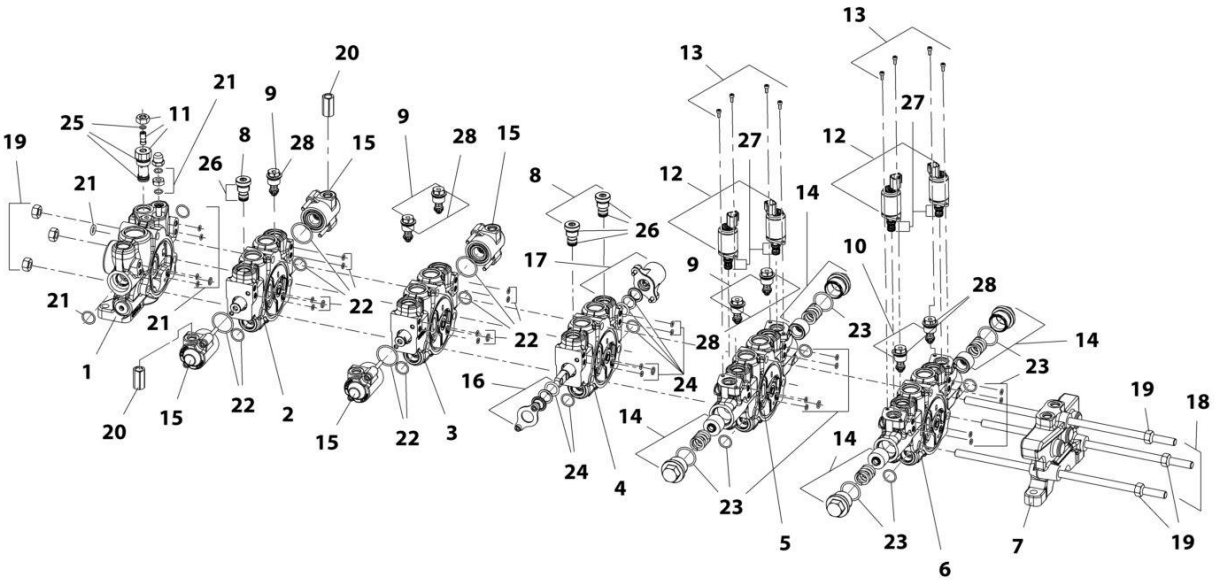
## FIGURE 9-41. VALVE - MAIN CONTROL (G9-43A)



## FIGURE 9-41. VALVE - MAIN CONTROL (G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001105611 | 1 | MAIN CONTROL VALVE, (if not equipped with tilt on joystick), (includes items 1 thru 24) | G |
| 1 | 70023311 | 1 | INLET SECTION ASSY | |
| 2 | 70024192 | 1 | SPOOL SECTION ASSY, LIFT | |
| 3 | 70024193 | 1 | SPOOL SECTION ASSY, EXTEND/RETRACT | |
| 4 | 70024194 | 1 | SPOOL SECTION ASSY, FRAME LEVEL | |
| 5 | 70024195 | 1 | SPOOL SECTION ASSY, TILT | |
| 6 | 70024196 | 1 | SPOOL SECTION ASSY, AUX | |
| 7 | 70024197 | 1 | OUTLET SECTION ASSY | |
| 8 | 70022008 | 3 | SHUT-OFF PLUG ASSY | |
| 9 | 70022010 | 5 | RELIEF VALVE, 280 BAR | |
| 10 | 70022011 | 2 | RELIEF VALVE, 185 BAR | |
| 11 | 70024198 | 1 | DRAIN REGULATOR ASSY | |
| 12 | 70022016 | 4 | END MECHANISM PO KIT | |
| 13 | 70023318 | 3 | SEAL PLATE GROUP | |
| 14 | 70023319 | 3 | END MECHANISM KIT | |
| 15 | 70023320 | 3 | TIE ROD, METRIC | |
| 16 | 70022019 | 6 | TIE ROD NUT, METRIC | |
| 17 | 70022020 | 1 | INLET SEAL KIT | |
| 18 | 70024199 | 2 | PO SECTION SEAL KIT | |
| 19 | 70024200 | 3 | MANUAL SECTION SEAL KIT | |
| 20 | 8036508 | 1 | DRAIN REGULATOR SEAL KIT | |
| 21 | 70022023 | 3 | SHUT-OFF PLUG/FULL FLOW RV SEAL KIT | |
| 22 | 70022025 | 7 | O-RING | |
| 23 | 70024201 | 2 | O-RING | |
| 24 | 70024202 | 1 | O-RING | |
| 108 | 8304042 | 4 | ROUND HD CARRIAGE BOLT, 3/8-16X1-1/2, (not shown) | |
| 109 | 4761600 | 4 | LOCKWASHER, 3/8, (not shown) | |
| 110 | 88501006 | 4 | HEX NUT, 3/8-16, (not shown) | |
| 115 | 4751600 | 4 | WASHER, 3/8, (not shown) | |

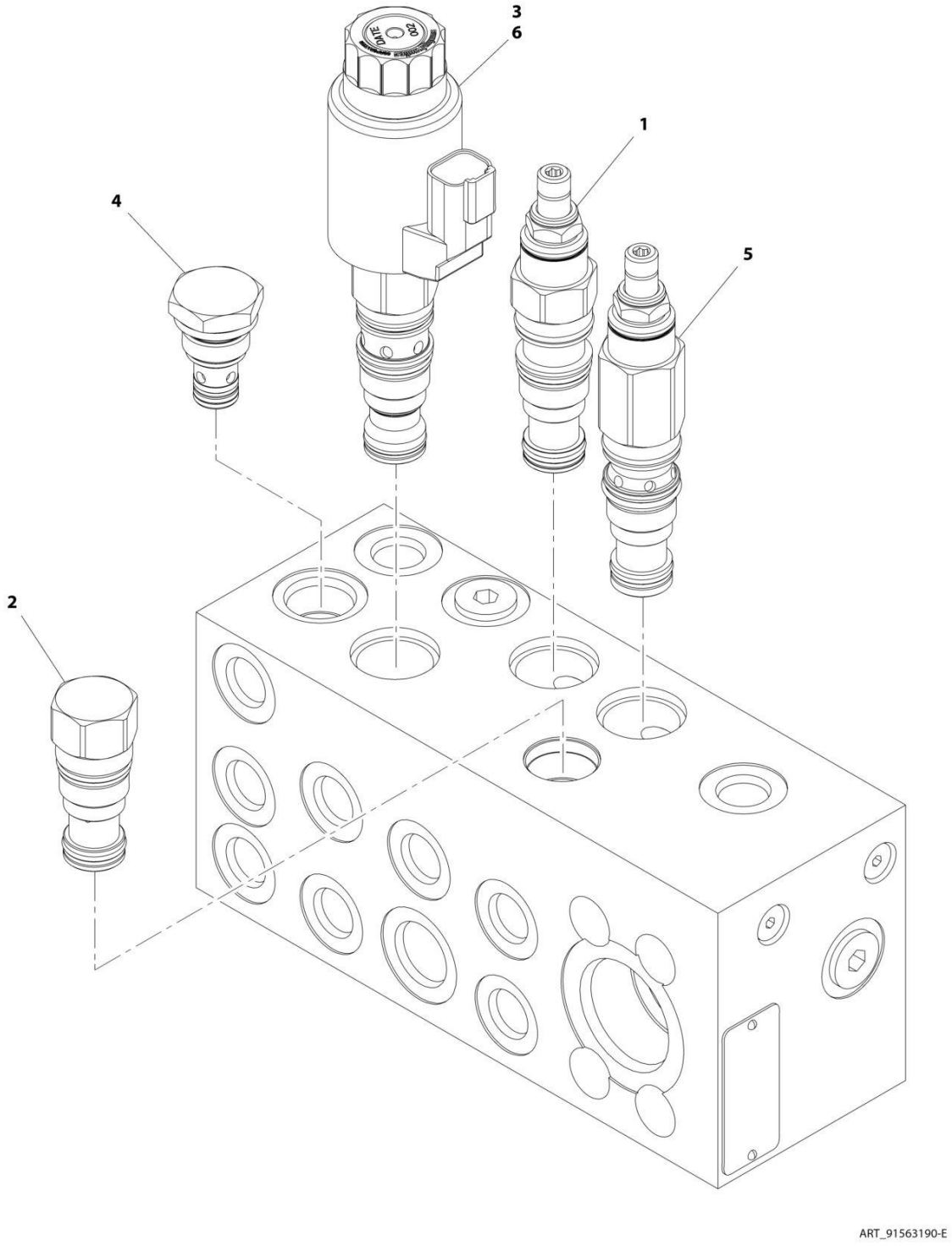
## FIGURE 9-42. VALVE - MAIN CONTROL (G10-43A,G9-43A)



## FIGURE 9-42. VALVE - MAIN CONTROL (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107464 | 1 | MAIN CONTROL VALVE, (if equipped with tilt on joystick) (includes all items) | C |
| 1 | 70023311 | 1 | INLET SECTION ASSY | |
| 2 | 70023312 | 1 | SPOOL SECTION ASSY, LIFT | |
| 3 | 70023313 | 1 | SPOOL SECTION ASSY, EXTEND/RETRACT | |
| 4 | 70023314 | 1 | SPOOL SECTION ASSY, FRAME LEVEL | |
| 5 | 70023315 | 1 | SPOOL SECTION ASSY, TILT | |
| 6 | 70023316 | 1 | SPOOL SECTION ASSY, AUX | |
| 7 | 70022007 | 1 | OUTLET SECTION ASSY | |
| 8 | 70022008 | 3 | SHUT-OFF PLUG ASSY | |
| 9 | 70022010 | 5 | RELIEF VALVE, 280 BAR | |
| 10 | 70022011 | 2 | RELIEF VALVE, 185 BAR | |
| 11 | 70023317 | 1 | DRAIN REGULATOR ASSY | |
| 12 | 70022013 | 4 | SOLENOID-CARTRIDGE VALVE | |
| 13 | 70022014 | 8 | SOCKET HD CAPSCREW | |
| 14 | 70022015 | 4 | END MECHANISM KIT | |
| 15 | 70022016 | 4 | END MECHANISM KIT, PO | |
| 16 | 70023318 | 1 | SEAL PLATE GROUP | |
| 17 | 70023319 | 1 | SPOOL END GROUP | |
| 18 | 70023320 | 3 | TIE ROD | |
| 19 | 70022019 | 6 | TIE ROD NUT | |
| 20 | 70023321 | 2 | CHECK VALVE ASSY | |
| 21 | 70022020 | 1 | INLET SEAL KIT | |
| 22 | 70022021 | 1 | PO SECTION SEAL KIT | |
| 23 | 70022022 | 1 | EH SECTION SEAL KIT | |
| 24 | 70023322 | 1 | MANUAL SECTION SEAL KIT | |
| 25 | 8036508 | 1 | DRAIN REGULATOR SEAL KIT | |
| 26 | 70022023 | 1 | SHUT-OFF PLUG AND FULL FLOW RV SEAL KIT | |
| 27 | 70022024 | 1 | PPRV SEAL KIT | |
| 28 | 70023323 | 1 | O-RING | |

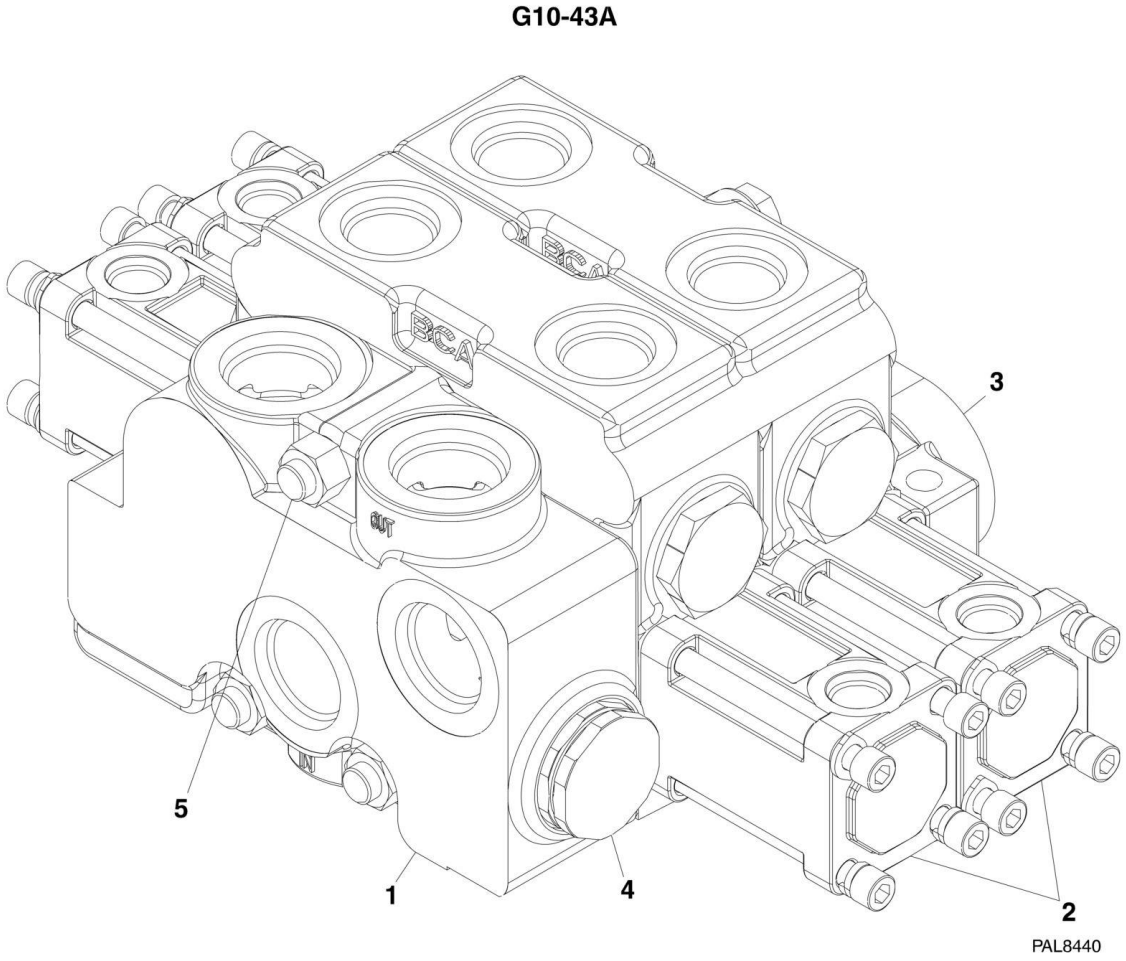
## FIGURE 9-43. VALVE - MANIFOLD (G10-43A,G9-43A)



## FIGURE 9-43. VALVE - MANIFOLD (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91563190 | 1 | HYDRAULIC MANIFOLD VALVE (includes all items) | E |
| 1 | 7026998 | 1 | PRESSURE REDUCING VALVE | |
| 2 | 7026999 | 1 | CHECK VALVE | |
| 3 | 70023992 | 1 | SOLENOID VALVE **(Prior to SN 0160063150)** | |
| | 7026022 | 1 | SOLENOID VALVE **(SN 0160063150 to Present)** | |
| 4 | 7018300 | 1 | SHUTTLE VALVE | |
| 5 | 7027100 | 1 | PRESSURE REDUCING VALVE | |
| 6 | 80434249 | 1 | COIL **(Prior to SN 0160063150)** | |
| | 70026348 | 1 | COIL **(SN 0160063150 to Present)** | |

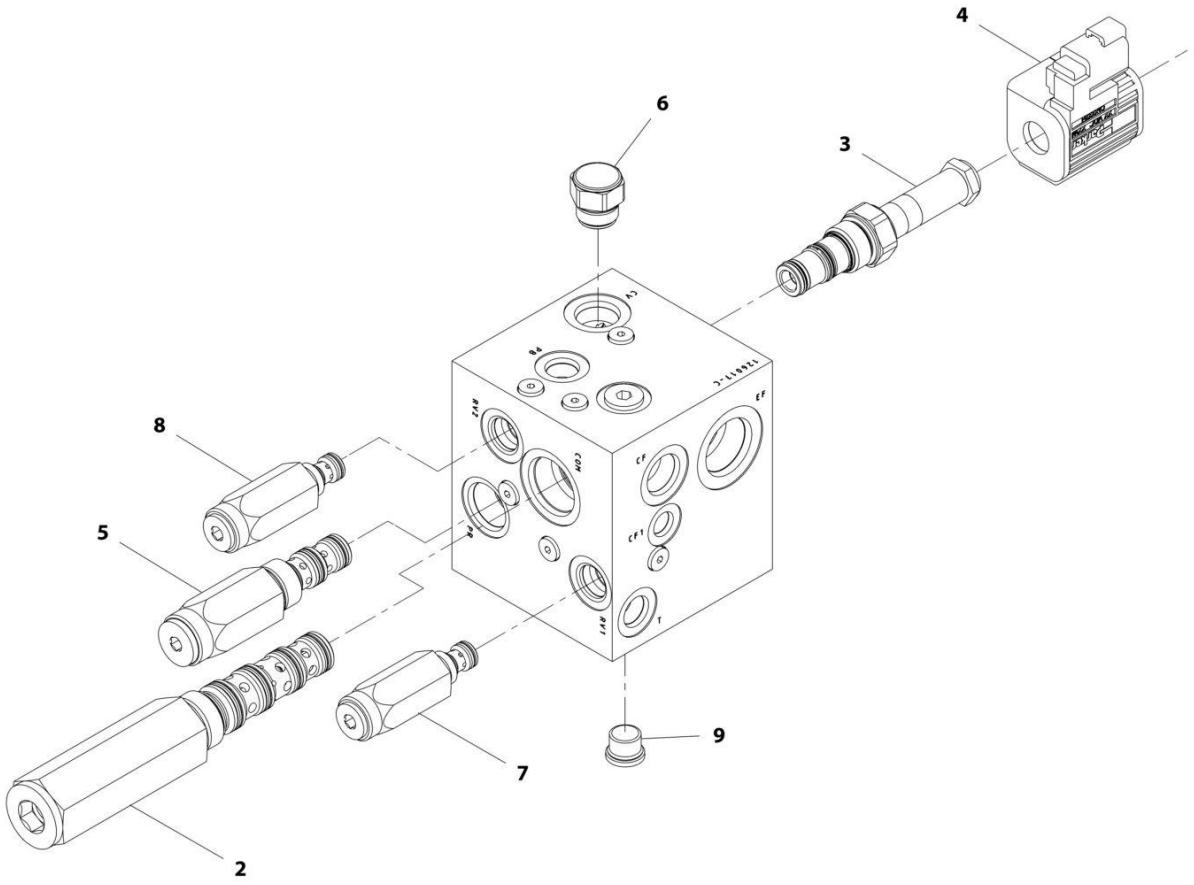
## FIGURE 9-44. VALVE - OUTRIGGER CONTROL VALVE (G10-43A)



## FIGURE 9-44. VALVE - OUTRIGGER CONTROL VALVE (G10-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107686 | 1 | OUTRIGGER CONTROL VALVE (includes all items) | A |
| 1 | 70023814 | 1 | INLET SECTION | |
| 2 | 70023815 | 2 | WORK SECTIONS | |
| 3 | 70023816 | 1 | OUTLET SECTION | |
| 4 | 70023817 | 1 | MAIN RV PLUG | |
| 5 | 70023818 | 1 | STUD KIT | |

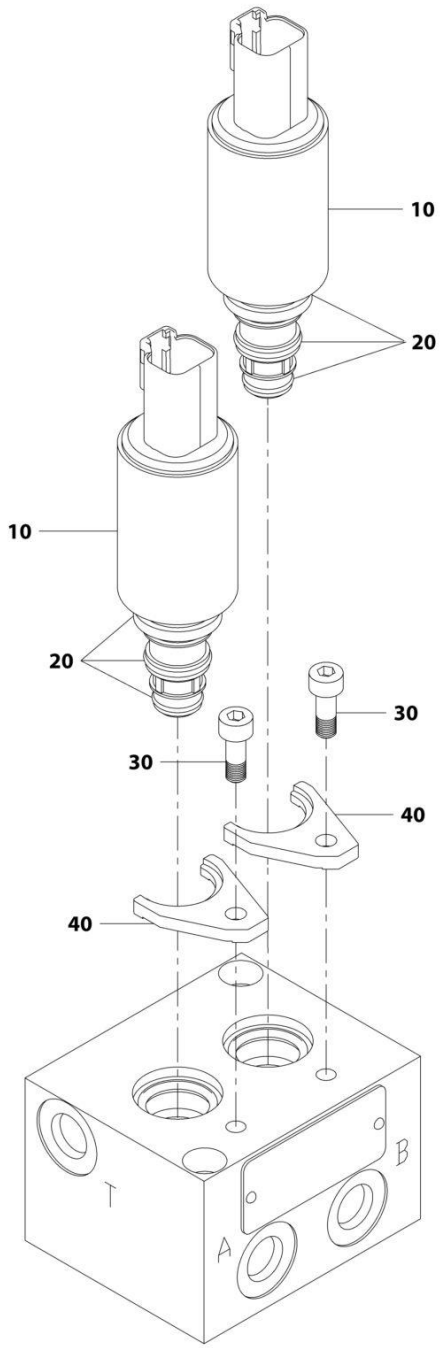
## FIGURE 9-45. VALVE - PRIORITY VALVE (G6-42A)



## FIGURE 9-45. VALVE - PRIORITY VALVE (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001132258 | 1 | PRIORITY VALVE | B |
| 2 | 91474488 | 1 | COMPENSATOR CART | |
| 3 | 7029883 | 1 | SOLENOID VALVE | |
| 4 | 70025900 | 1 | COIL | |
| 5 | 7029885 | 1 | REDUCING VALVE | |
| 6 | 91474023 | 1 | CHECK VALVE | |
| 7 | 70024350 | 1 | RELIEF VALVE CATRIDGE | |
| 8 | 7029887 | 1 | RELIEF VALVE | |
| 9 | 91474486 | 1 | ORIFICE PLUG | |

## FIGURE 9-46. VALVE - SOLENOID VALVE (G6-42A)

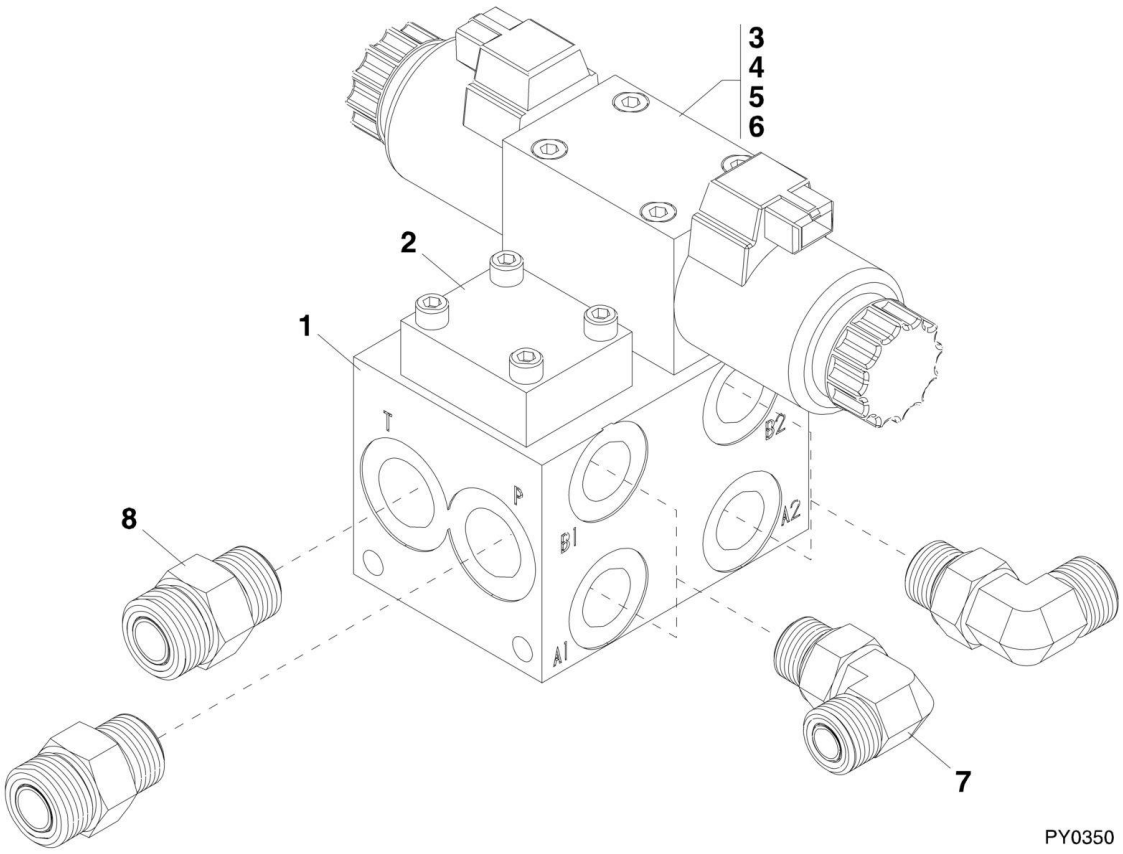



ART_1001137436-A

## FIGURE 9-46. VALVE - SOLENOID VALVE (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001137436 | 1 | SOLENOID VALVE | A |
| 10 | 70026185 | 2 | PROPORTIONAL REDUCING VALVE | |
| 20 | 70026186 | 1 | SEAL KIT, PROPORTIONAL RED VLV | |
| 30 | 70026187 | 2 | SOCKET HD SCREW | |
| 40 | 70026188 | 2 | FLANGE, CONNECTING | |

## FIGURE 9-47. VALVE - STEER SELECT VALVE

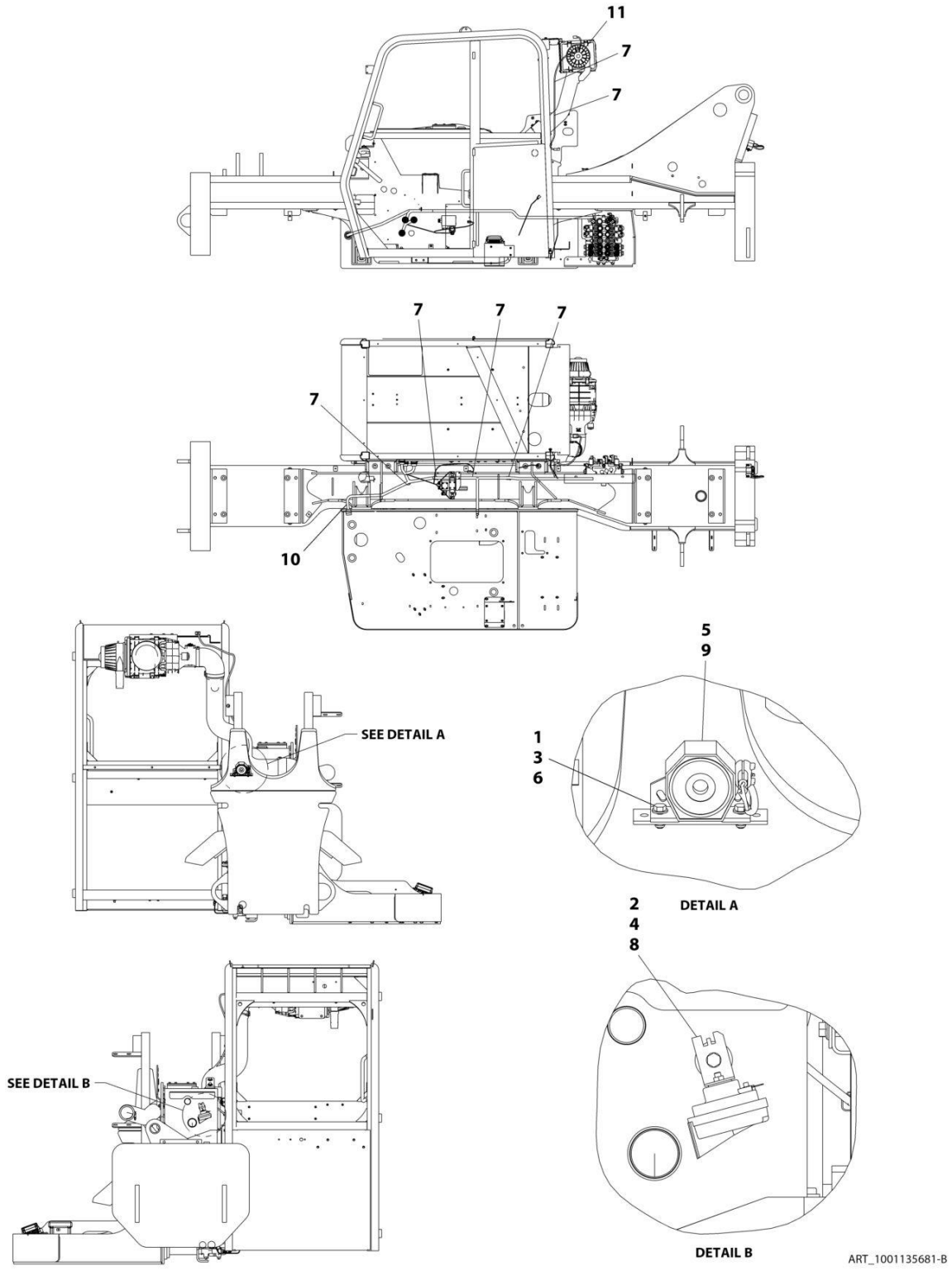


## FIGURE 9-47. VALVE - STEER SELECT VALVE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001001016 | 1 | STEERING SELECT VALVE, (includes all items) | C |
| 1 | 7029915 | 1 | STEERING | |
| 2 | 7029916 | 1 | COVER PLATE | |
| 3 | 91474402 | 1 | DIRECTIONAL CONTROL VALVE, (includes items 4 thru 6) | |
| 4 | 91474407 | 2 | COIL | |
| 5 | 7029917 | 2 | NUT | |
| 6 | 7012773 | 1 | SEAL KIT | |
| 7 | 88662065 | 4 | ADAPTER, 90, (includes o-ring) | |
| 8 | 88662019 | 2 | CONNECTOR, (includes o-ring) | |

# SECTION 10 - ELECTRICAL

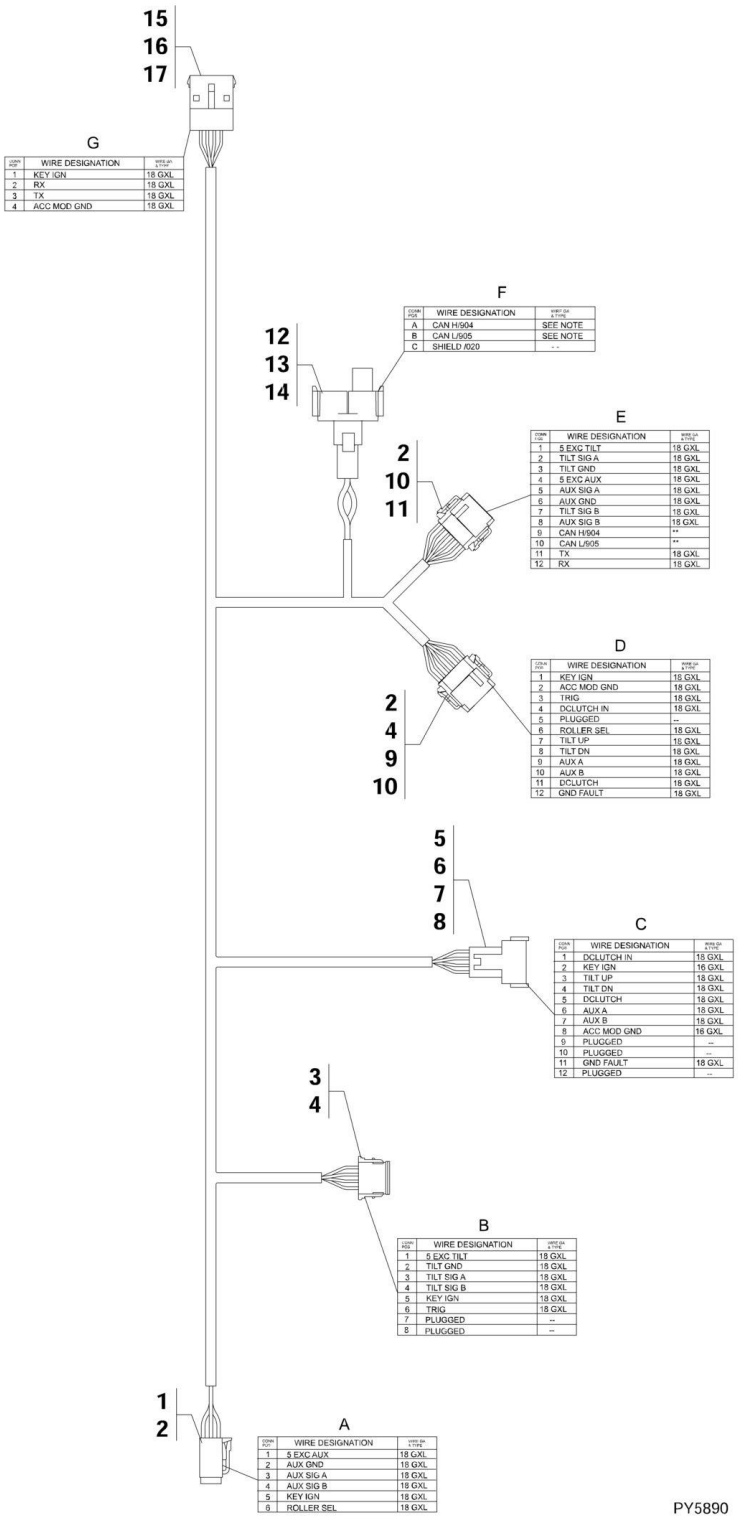
## FIGURE 10-1. ELECTRICAL INSTALLATION



## FIGURE 10-1. ELECTRICAL INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001135681 | Ref | ELECTRICAL INSTALLATION (if equipped), (not available to order, see items 1 thru 11) | B |
| 1 | 0641406 | 2 | HEX HD CAPSCREW, 1/4-20X3/4 | |
| 2 | 0641504 | 1 | HEX HD CAPSCREW, 5/16-18X1/2, GR5 | |
| 3 | 4711400 | 2 | WASHER, 1/4 | |
| 4 | 4761500 | 1 | LOCKWASHER, 5/16 | |
| 5 | 8270621 | 1 | ALRAM, BACKUP | |
| 6 | 8305624 | 2 | HEX LOCKNUT, 1/4-20 | |
| 7 | 8881800 | 6 | TIE STRAP | |
| 8 | 91143357 | 1 | HORN | |
| 9 | 1001116274 | 1 | RESISTOR, MOLDED | |
| 10 | 1001133354 | 1 | HARNESS, FRAME, (See FRAME HARNESS for Breakdown) | |
| 11 | 1001136490 | 1 | MASS AIR FLOW | |

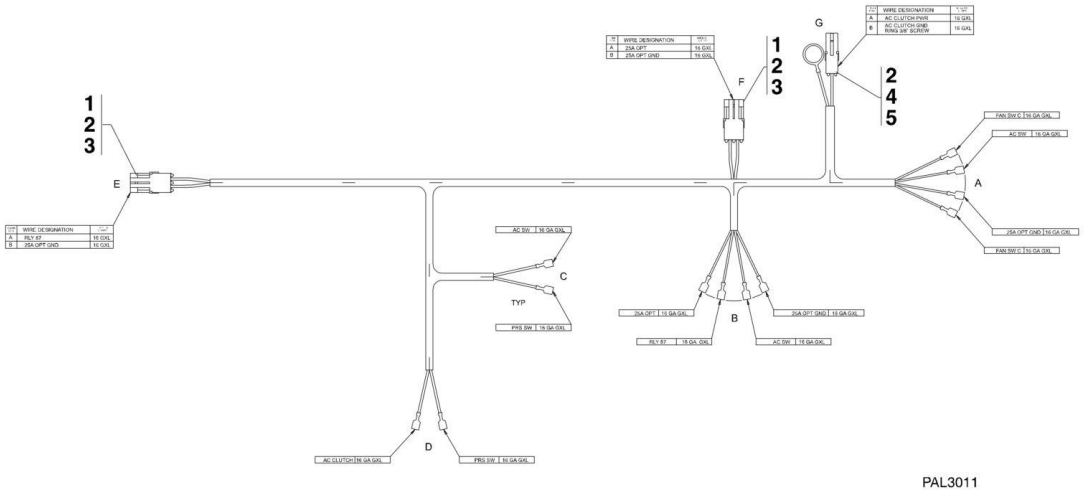
## FIGURE 10-2. ACCESSORY MODULE HARNESS



## FIGURE 10-2. ACCESSORY MODULE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001111148 | 1 | ACCESSORY MODULE HARNESS, (includes all items) | D |
| 1 | 1001126007 | 1 | CONNECTOR | |
| 1 | N.S.S. | 1 | LOCK | |
| 1 | N.S.S. | | REAR SEAL | |
| 2 | 1001116694 | 4 | TERMINAL | |
| 3 | 70023831 | 1 | CONNECTOR | |
| 3 | N.S.S. | 1 | LOCK | |
| 3 | N.S.S. | | REAR SEAL | |
| 4 | 4460518 | 2 | TERMINAL | |
| 5 | 80363178 | 1 | CONNECTOR | |
| 6 | 80363179 | 1 | SECONDARY WEDGE LOCK | |
| 7 | 4460464 | 1 | CONNECTOR | |
| 8 | 4460466 | 1 | TERMINAL | |
| 9 | 1001116808 | 1 | CONNECTOR | |
| 10 | 4460915 | 2 | WEDGE LOCK | |
| 11 | 1001116774 | 1 | CONNECTOR, DTM SERIES PLUG | |
| 12 | 4460539 | 1 | CONNECTOR, DTM SERIES PLUG | |
| 13 | 91554019 | 1 | SECONDARY WEDGE LOCK | |
| 14 | 4460944 | 1 | TERMINAL | |
| 15 | 1001119032 | 1 | CONNECTOR | |
| 16 | 4460761 | 1 | CONNECTOR | |
| 17 | 4460267 | 1 | TERMINAL | |

## FIGURE 10-3. A/C HARNESS

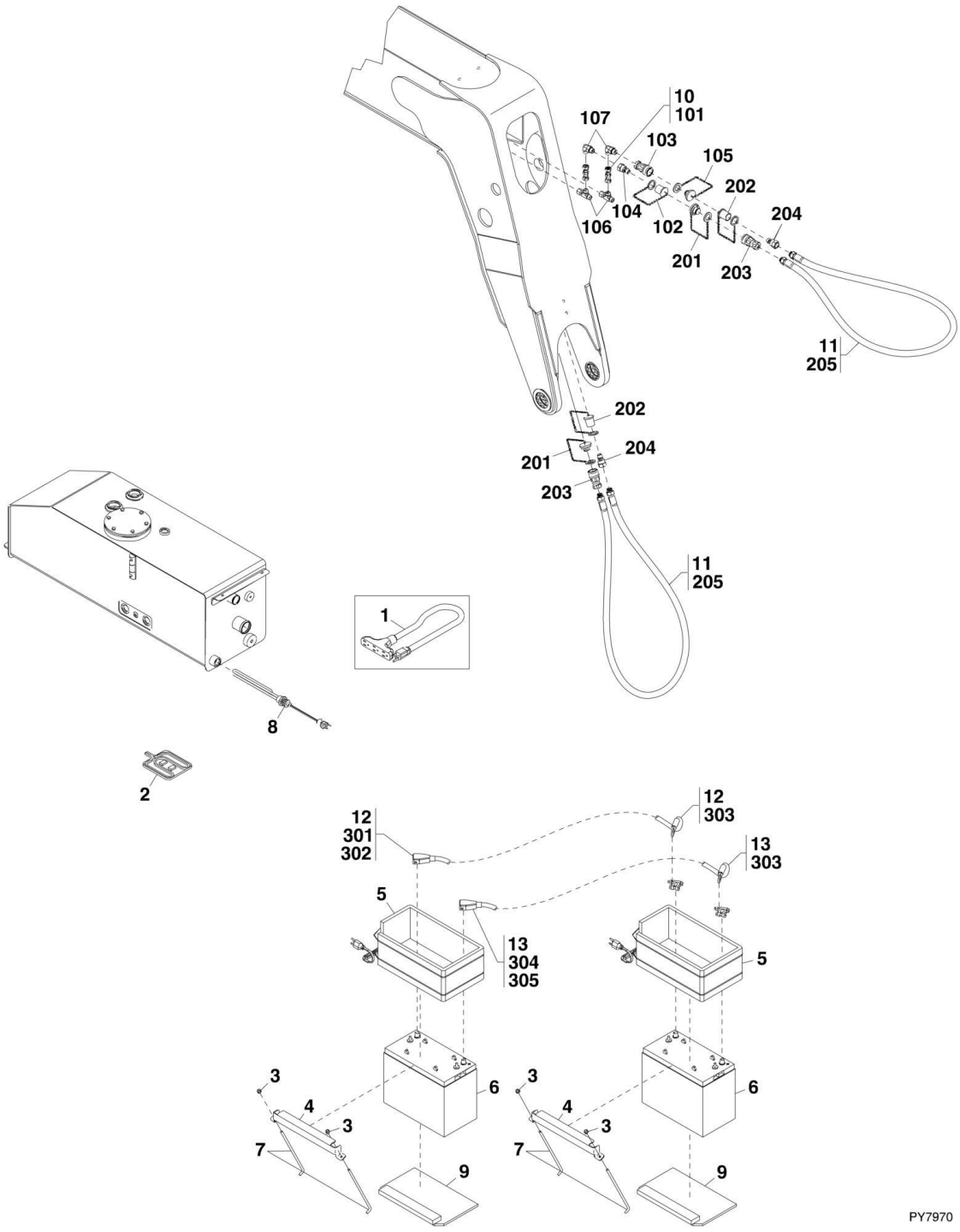



| WIRE CHART | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIRE DESIGNATION | WIRE COLOR/STRIPE | WIRE GAGE | WIRE END A | WIRE END B | WIRE END C | WIRE END D | WIRE END E | WIRE END F | WIRE END G | REMARKS |
| 25A OPT | ORANGE | 16 | | 1/4 FEMALE SPADE | | | | PACKARD ASSY | | 25 AMP OPTION |
| 25A OPT GND | BLACK | 16 | 1/4 FEMALE SPADE | 1/4 FEMALE SPADE | | | PACKARD ASSY | PACKARD ASSY | RING 3/8" SCREW | 25 AMP OPTION GROUND |
| AC SW | YELLOW | 16 | 1/4 FEMALE SPADE | 1/4 FEMALE SPADE | 1/4 FEMALE SPADE | | | | | AC SWITCH |
| AC CLUTCH | WHITE | 16 | | | | 1/4 FEMALE SPADE | | | PACKARD ASSY | AC CLUTCH |
| FAN SW C | GREEN | 16 | 1/4 FEMALE SPADE 2X | | | | | | | AC SWITCH TO FAN C |
| - | - | - | | | | | - | | | |
| PRS SW | VIOLET | 16 | | | 1/4 FEMALE SPADE | 1/4 FEMALE SPADE | | | | PRESSURE SWITCH |
| RLY 87 | ORANGE | 16 | | 1/4 FEMALE SPADE | | | PACKARD ASSY | | | RELAY 87 |

## FIGURE 10-3. A/C HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91563247 | 1 | A/C HARNESS, (includes items 1 thru 5) | D |
| 1 | 80963058 | 2 | SHROUD | |
| 2 | 80963069 | 3 | TERMINAL | |
| 3 | 80963067 | 2 | CABLE SEAL | |
| 4 | 80963056 | 1 | CONNECTOR | |
| 5 | 80963065 | 1 | CABLE SEAL, GREEN | |

## FIGURE 10-4. ARCTIC PACKAGE INSTALLATION



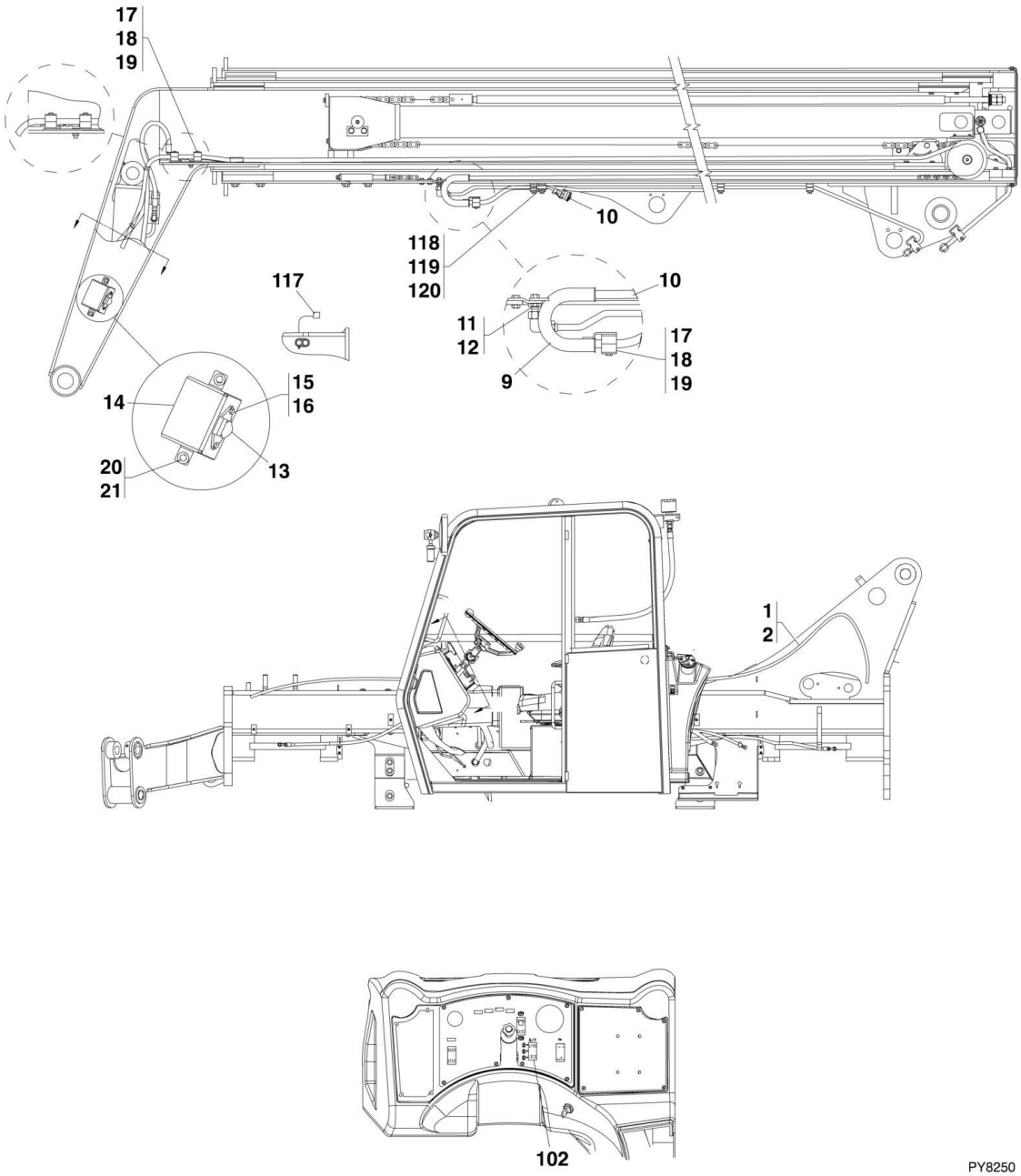
## FIGURE 10-4. ARCTIC PACKAGE INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001135694 | Ref | ARCTIC PACKAGE INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 13 for service) (G6-42A) | B |
| | 1001144953 | Ref | ARCTIC PACKAGE INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 11 for service) (G6-42A) | A |
| | 1001133450 | Ref | ARCTIC PACKAGE INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 13 for service) (G10-43A,G9-43A) | B |
| | 1001144952 | Ref | ARCTIC PACKAGE INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 11 for service) (G10-43A,G9-43A) | A |
| 1 | 1060626 | 2 | 3-WAY EXTENSION CORD | |
| 2 | 2580040 | 1 | OIL PAN HEATER | |
| 3 | 3311508 | 4 | HEX NUT, 5/16-18, (if equipped for ULS) | |
| 3 | 3311508 | 2 | HEX NUT, 5/16-18, (if equipped for LS) | |
| 4 | 1001141596 | 2 | BATTERY HOLD DOWN PLATE, (if equipped for ULS) | |
| 4 | 1001141596 | 1 | BATTERY HOLD DOWN PLATE, (if equipped for LS) | |
| 5 | 1001093564 | 2 | BATTERY HEATER, (if equipped for ULS) | |
| 5 | 1001093564 | 1 | BATTERY HEATER, (if equipped for LS) | |
| 6 | 1001098762 | 2 | BATTERY, 12V, (if equipped for ULS) | |
| 6 | 1001098762 | 1 | BATTERY, 12V, (if equipped for LS) | |
| 7 | 91081640 | 4 | BATTERY HOLD DOWN BOLT, (if equipped for ULS) | |
| 7 | 91081640 | 2 | BATTERY HOLD DOWN BOLT, (if equipped for LS) | |
| 8 | 1001105886 | 1 | HYDRAULIC IMMERSION HEATER | |
| 9 | 1001115878 | 2 | BATTERY BASE INSULATION, (if equipped for ULS) | |
| 9 | 1001115878 | 1 | BATTERY BASE INSULATION, (if equipped for LS) | |
| 10 | 1001121458 | Ref | TILT RECIRCULATION INSTALLATION (not available to order, see items 101 thru 107 for service) (G6-42A) | A |
| 10 | 1001121459 | Ref | TILT RECIRCULATION INSTALLATION (not available to order, see items 101 thru 107 for service) (G10-43A,G9-43A) | A |
| 11 | 1001121460 | 2 | ARCTIC RECIRCULATION HOSE, (includes items 201 thru 205) | A |
| 12 | 1001135349 | 1 | START AID NEGATIVE CABLE, (includes items 301 thru 303) | A |
| 13 | 1001136344 | 1 | START AID POSITIVE CABLE, (includes items 303 thru 305) | A |
| 101 | 2172406 | 2 | ADAPTER, CONNECTOR, (includes o-ring) (G6-42A) | |
| 101 | 2172408 | 2 | ADAPTER, CONNECTOR, (includes o-ring) (G10-43A,G9-43A) | |
| 102 | 91043126 | 1 | DUST CAP | |
| 103 | 91403413 | 1 | ADAPTER, QUICK DISCONNECT COUPLER, (female) | |
| 104 | 91403414 | 1 | ADAPTER, QUICK DISCONNECT COUPLER, (male) | |
| 105 | 91043125 | 1 | DUST PLUG | |
| 106 | 2170706 | 2 | ADAPTER, RUN TEE, (includes o-ring) (G6-42A) | |
| 106 | 2170708 | 2 | ADAPTER, RUN TEE, (includes o-ring) (G10-43A,G9-43A) | |
| 107 | 2130608 | 2 | ADAPTER, 90, (includes o-ring) (G6-42A) | |
| 107 | 2130808 | 2 | ADAPTER, 90, (includes o-ring) (G10-43A,G9-43A) | |
| 201 | 91043125 | 1 | DUST PLUG | |
| 202 | 91043126 | 1 | DUST CAP | |
| 203 | 91403413 | 1 | ADAPTER, QUICK DISCONNECT COUPLER, (female) | |
| 204 | 91403414 | 1 | ADAPTER, QUICK DISCONNECT COUPLER, (male) | |
| 205 | 1001121454 | 1 | HOSE ASSY | |
| 301 | 4461266 | 1 | BATTERY TERMINAL, (includes item 302 and bolt) | |
| 302 | 4461234 | 1 | BOOT | |
| 303 | 4461270 | 1 | TERMINAL RING | |
| 304 | 4461265 | 1 | BATTERY TERMINAL, (includes item 305 and bolt) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 305 | 4461233 | 1 | BOOT | |

## FIGURE 10-5. BOOM AND FRAME ELECTRICAL INSTALLATION (G6-42A)

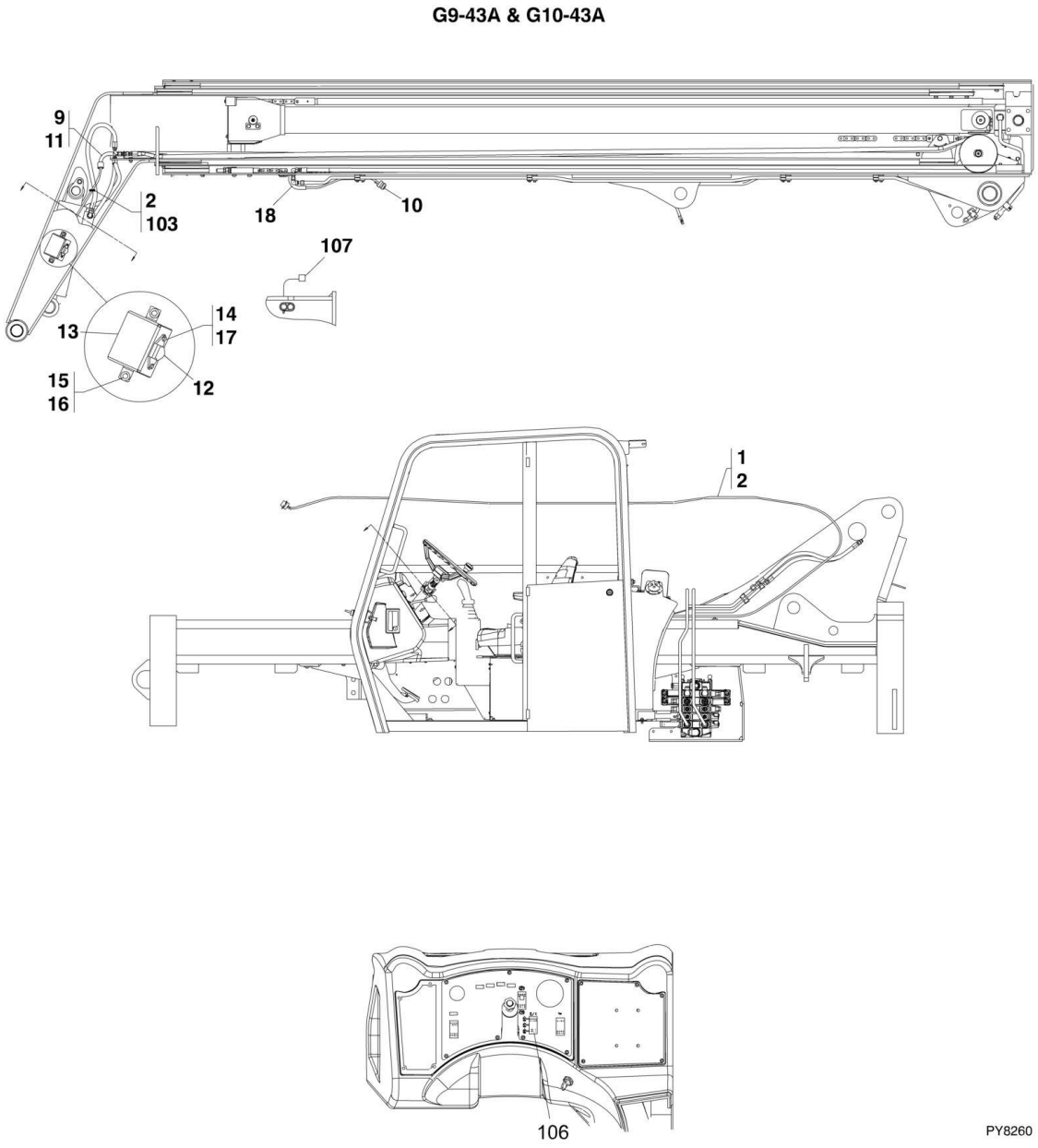
G6-42A



## FIGURE 10-5. BOOM AND FRAME ELECTRICAL INSTALLATION (G6-42A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001101743 | Ref | BOOM AUXILIARY ELECTRICAL INSTALLATION (if equipped with Manual Quick Switch), (not available to order, see items 1 thru 21 for service) | B |
| | 1001001068 | Ref | BOOM AUXILIARY ELECTRICAL INSTALLATION (if equipped with Hydraulic Quick Switch), (not available to order, see items 1, 9 thru 11, 17 thru 20 & 102 thru 120 for service) | G |
| 1 | 1001128320 | 1 | AUX FRAME HARNESS, (includes items 201 & 202) | |
| 2 | 8584003 | 9 | NYLON TIE | |
| 9 | 91403520 | 1 | TUBE | |
| 10 | 91403522 | Ref | AUXILIARY ELECTRICAL HARNESS, (includes items 301 thru 303) | |
| 11 | 0641607 | 1 | HEX HD CAPSCREW, 3/8-16X7/8, GR5 | |
| 12 | 4751600 | 1 | WASHER, 3/8 | |
| 13 | 90207661 | 1 | 6 CONTACT SWITCH | |
| 14 | 1001099812 | 1 | CONNECTOR COVER | |
| 15 | 4711400 | 2 | FLAT WASHER, 1/4 | |
| 16 | 0641408 | 2 | HEX HD CAPSCREW, 1/4-20X1, GR5 | |
| 17 | 77133497 | 3 | CLAMP | |
| 18 | 77133498 | 3 | COVER PLATE | |
| 19 | 77133209 | 6 | HEX HD CAPSCREW, 1/4-20X1 3/8 | |
| 20 | 4711600 | 2 | FLAT WASHER, 3/8 | |
| 21 | 0641808 | 2 | HEX HD CAPSCREW, 3/8-16X1, GR5 | |
| 102 | | Ref | HYDRAULIC QUICK SWITCH, (See CAB SWITCHES for Breakdown) | |
| 117 | 1001090006 | Ref | QUICK SWITCH HARNESS, (includes item 401) | |
| 118 | 77133139 | 1 | CLAMP | |
| 119 | 77133140 | 1 | COVER PLATE | |
| 120 | 77133177 | 1 | HEX HD CAPSCREW, 0.313-18X1 3/8 | |
| 201 | 77363232 | 1 | CONNECTOR | |
| 201 | 4460464 | 5 | TERMINAL | |
| 201 | 4460466 | 1 | PLUG | |
| 202 | 77363233 | 1 | CONNECTOR | |
| 202 | 4460465 | 5 | TERMINAL | |
| 202 | 4460466 | 1 | PLUG | |
| 301 | 77363233 | 1 | CONNECTOR | |
| 302 | 91143107 | 1 | STRAIN RELIEF | |
| 303 | 77363229 | 5 | SOCKET CONTACT | |
| 401 | 4460891 | 1 | CONNECTOR | |
| 401 | 80604018 | 1 | SECONDARY LOCK WEDGE | |

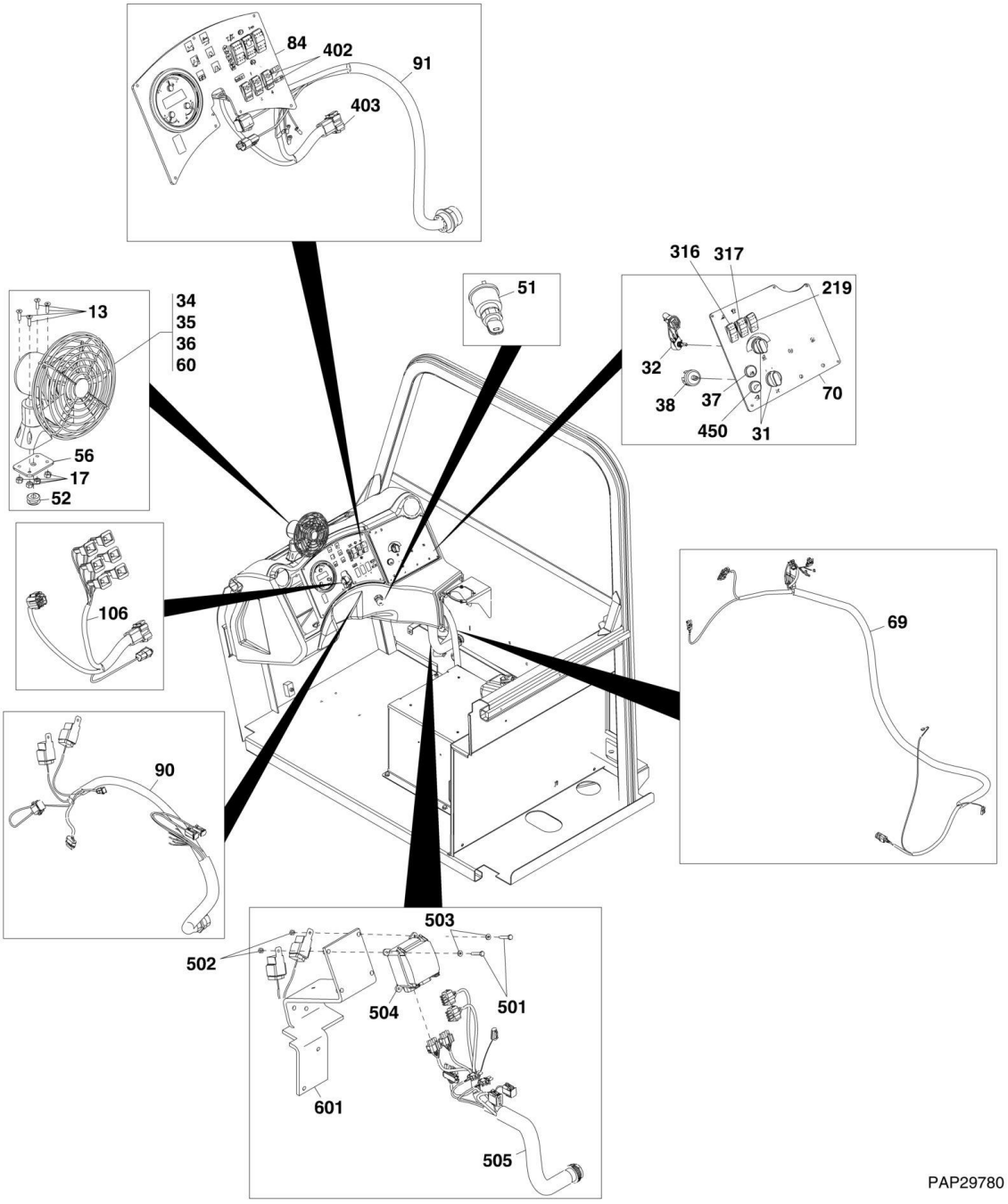
## FIGURE 10-6. BOOM AND FRAME ELECTRICAL INSTALLATION (G10-43A,G9-43A)



## FIGURE 10-6. BOOM AND FRAME ELECTRICAL INSTALLATION (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001101742 | Ref | AUXILIARY BOOM ELECTRICAL INSTALLATION (if equipped with Manual Quick Switch), (not available to order, see items 1 thru 18 for service) | B |
| | 1001128461 | Ref | AUXILIARY BOOM ELECTRICAL INSTALLATION (if equipped with Hydraulic Quick Switch), (not available to order, see items 1, 9 thru 11, 18 & 103 thru 107 for service) | A |
| 1 | 1001128320 | 1 | AUXILIARY FRAME HARNESS, (includes items 201 & 202) | |
| 2 | 8584003 | 9 | NYLON TIE | |
| 9 | 91513115 | 1 | TUBE ASSY | |
| 10 | 91513123 | 1 | AUX ELECTRICAL HARNESS, (includes items 301 thru 303) | |
| 11 | 2230025 | 1 | CONNECTOR | |
| 12 | 90207661 | 1 | 6 CONTACT SOCKET | |
| 13 | 1001099812 | 1 | CONNECTOR COVER | |
| 14 | 0641408 | 2 | HEX HD CAPSCREW, 1/4-20X1, GR5 | |
| 15 | 0641608 | 2 | HEX HD CAPSCREW, 3/8-16X1, GR5 | |
| 16 | 4711600 | 2 | FLAT WASHER, 3/8 | |
| 17 | 4711400 | 2 | FLAT WASHER, 1/4 | |
| 18 | 4569258 | 1 | TUBE ASSY | |
| 103 | 90027187 | 7 | TIE STRAP | |
| 106 | | Ref | HYDRAULIC QUICK SWITCH, (See CAB SWITCHES for Breakdown) | |
| 107 | 1001090006 | 1 | HYDRAULIC QUICK SWITCH HARNESS, (includes item 401) | |
| 201 | 77363232 | 1 | CONNECTOR | |
| 201 | 4460464 | 5 | TERMINAL | |
| 201 | 4460466 | 1 | PLUG | |
| 202 | 77363233 | 1 | CONNECTOR | |
| 202 | 4460465 | 5 | TERMINAL | |
| 202 | 4460466 | 1 | PLUG | |
| 301 | 77363233 | 1 | CONNECTOR | |
| 302 | 91143107 | 1 | STRAIN RELIEF | |
| 303 | 77363229 | 5 | SOCKET CONTACT | |
| 401 | 4460891 | 1 | CONNECTOR | |
| 401 | 80604018 | 1 | SECONDARY LOCK WEDGE | |

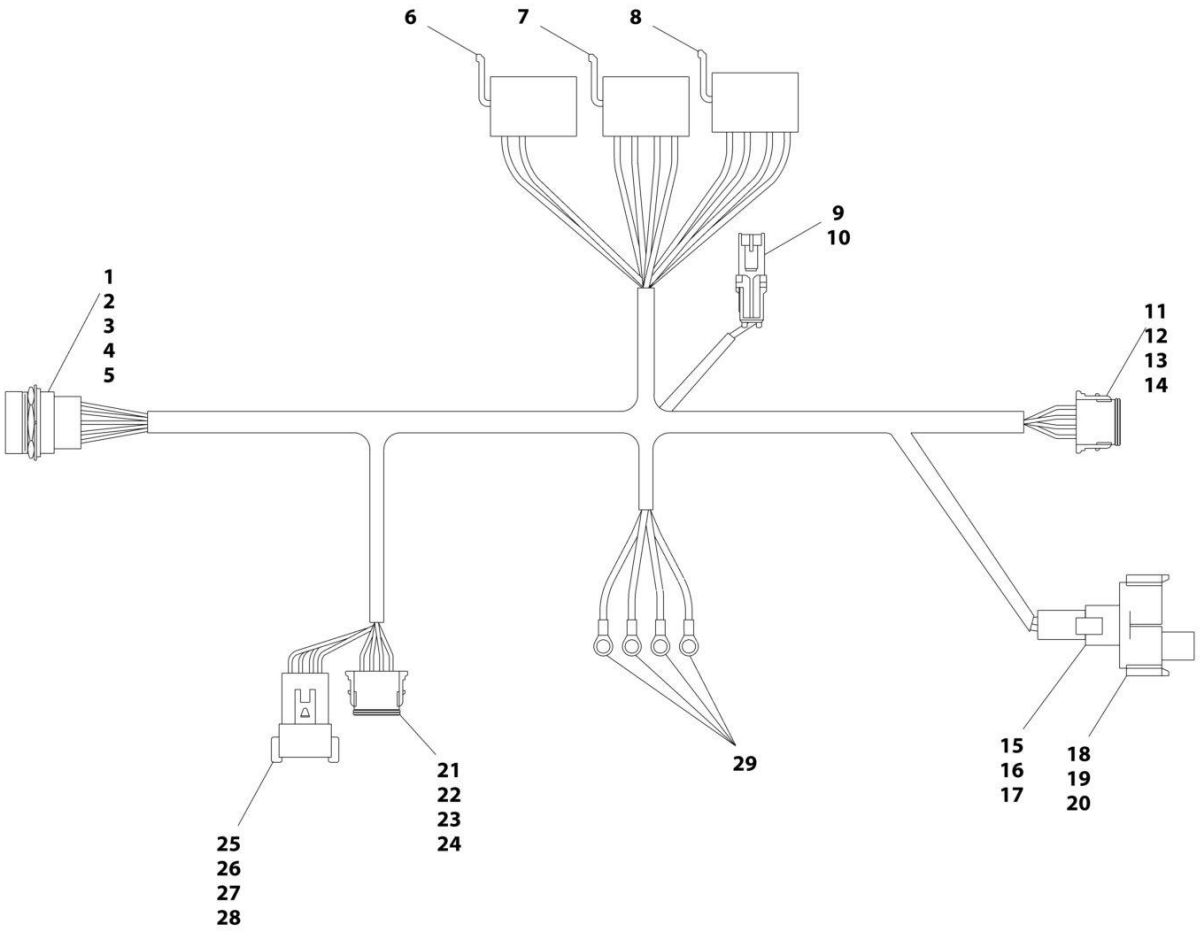
## FIGURE 10-7. CAB ELECTRICAL INSTALLATION



## FIGURE 10-7. CAB ELECTRICAL INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 13 | 88211030 | 4 | SOCKET HD CAPSCREW, 10-24X3/4, (enclosed cab) | |
| 17 | 77143017 | 4 | WHIZ LOCKNUT, 10-24, (enclosed cab) | |
| 31 | | Ref | KNOB, (See CAB SWITCHES for Breakdown) | |
| 32 | | Ref | POTENTIOMETER ASSY, (See CAB SWITCHES for Breakdown) | |
| 34 | 80963058 | 1 | WEATHERPACK SHROUD, (enclosed cab) | |
| 35 | 80963065 | 2 | WEATHERPACK SEAL, (enclosed cab) | |
| 36 | 80963069 | 2 | MALE WEATHERPACK PIN, (enclosed cab) | |
| 37 | | Ref | WIPER SWITCH, (See CAB SWITCHES for Breakdown) | |
| 38 | | Ref | BLOWER SWITCH, (See CAB SWITCHES for Breakdown) | |
| 51 | 91033317 | 1 | IGNITION SWITCH, (includes key) | |
| 52 | 91033425 | 1 | GROMMET, (enclosed cab) | |
| 56 | 91401443 | 1 | PLATE, (enclosed cab) | |
| 60 | 91403608 | 1 | FAN, (enclosed cab) | |
| 69 | | Ref | ENCLOSED CAB OPTIONS HARNESS, (if equipped), (See ENCLOSED CAB OPTIONS HARNESS for Breakdown) | |
| 70 | | Ref | RH DASH PANEL, (See CAB SECTION for Breakdown ) | |
| 84 | | Ref | INSTRUMENT PANEL, (See CAB SWITCHES for Breakdown) | |
| 90 | | Ref | TRANSMISSION RELAY HARNESS, (See TRANSMISSION RELAY HARNESS for Breakdown) | |
| 91 | | Ref | DASH HARNESS, (See DASH HARNESS for Breakdown) | |
| 106 | | Ref | INSTRUMENT PANEL HARNESS, (See INSTRUMENT PANEL HARNESS for Breakdown) | |
| 219 | | Ref | HAZARD SWITCH, (See CAB SWITCHES for Breakdown) | |
| 316 | | Ref | WORK LIGHT SWITCH, (See CAB SWITCHES for Breakdown) | |
| 317 | | Ref | BEACON LIGHT SWITCH, (See CAB SWITCHES for Breakdown) | |
| 402 | | Ref | AUX ELECTRIC SWITCHES, (See CAB SWITCHES for Breakdown) | |
| 403 | 91563192 | 1 | CAB AUXILIARY ELECTRICAL HARNESS | A |
| 403 | 4460970 | 1 | CONNECTOR | |
| 403 | 80363179 | 1 | WEDGELOCK | |
| 403 | 4460464 | 9 | TERMINAL | |
| 403 | 4460466 | 3 | PLUG | |
| 403 | 4460419 | 14 | TERMINAL | |
| 450 | | Ref | TILT RHEOSTAT, (See CAB SWITCHES for Breakdown) | |
| | 1001115891 | Ref | ELECTRICAL OPTIONS ASSY, (not available to order, see items 501 thru 506 for service) | B |
| 501 | 0641412 | 4 | HEX HD CAPSCREW, 1/4-20X1-1/2, GR5, (torque to 96 lb-ft/130 Nm) | |
| 502 | 3311401 | 4 | HEX NUT, 1/4-20 | |
| 503 | 4751200 | 4 | WASHER, 1/2 | |
| 504 | 1001126285 | 1 | VEC OPTIONS BOX | |
| 504 | 70024843 | 1 | RELAY, 12V 30AMP | |
| 505 | | Ref | VEC OPTIONS HARNESS, (See VEC HARNESS for Breakdown) | |
| 506 | 4240033 | 2 | TIE WRAP, (not shown) | |
| 601 | | Ref | BRACKET, (See CONTROLS SECTION for Breakdown) | |

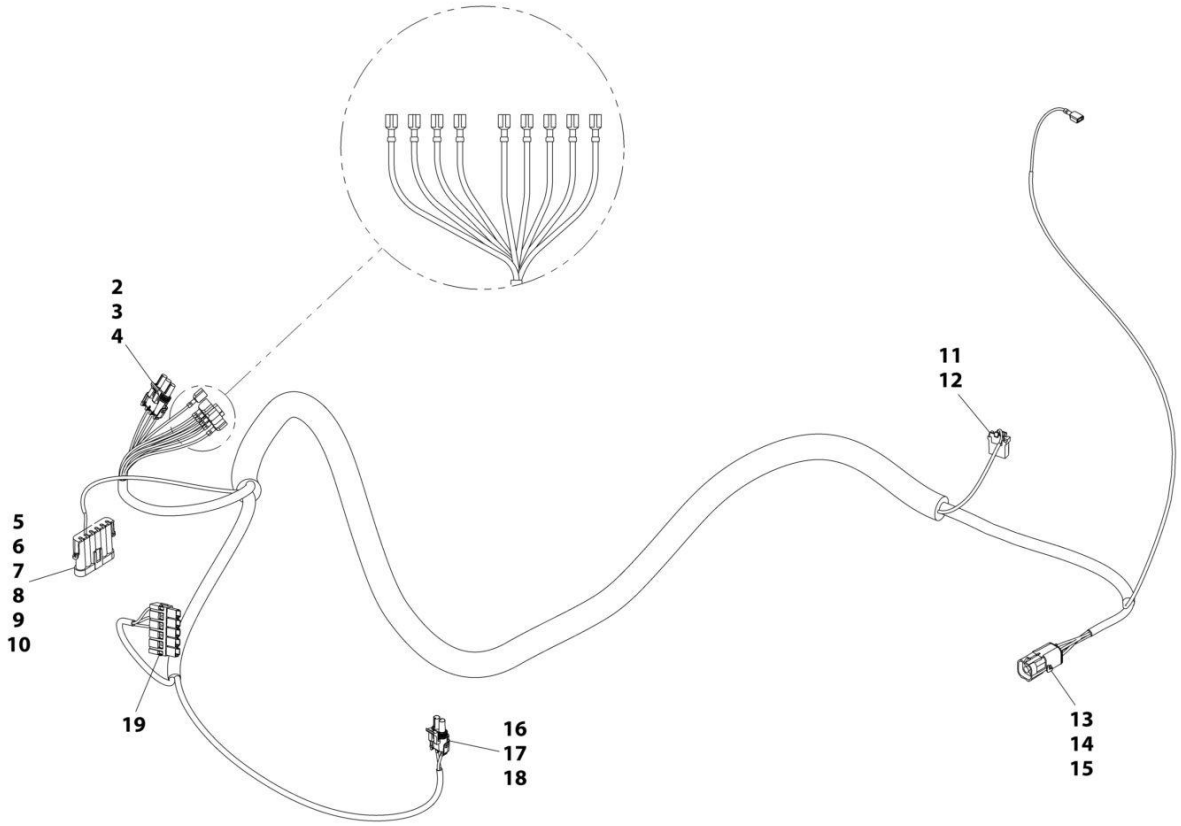
## FIGURE 10-8. CAB - DASH HARNESS



## FIGURE 10-8. CAB - DASH HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001108841 | 1 | DASH HARNESS | F |
| 1 | 4460500 | 1 | CONNECTOR | |
| 2 | 4460465 | 30 | TERMINAL | |
| 3 | 4460466 | 1 | PLUG | |
| 4 | 83481286 | 1 | NUT | |
| 5 | 83481285 | 1 | LOCKWASHER | |
| 6 | 4460419 | 2 | METRI-PACK CONNECTOR | |
| 7 | 4460419 | 6 | METRI-PACK CONNECTOR | |
| 8 | 4460419 | 4 | METRI-PACK CONNECTOR | |
| 9 | 80963056 | 1 | CONNECTOR | |
| 10 | 4460475 | 1 | TERMINAL | |
| 11 | 8220524 | 1 | CONNECTOR | |
| 12 | 8220525 | 1 | WEDGE LOCK | |
| 13 | 4460465 | 7 | TERMINAL | |
| 14 | 4460466 | 1 | PLUG | |
| 15 | 77363242 | 1 | CONNECTOR | |
| 16 | 91554019 | 1 | CONNECTOR LOCK | |
| 17 | 4460944 | 2 | TERMINAL | |
| 18 | 7026425 | 1 | CONNECTOR | |
| 19 | 80604016 | 1 | LOCK, CONNECTOR | |
| 20 | 4460465 | 10 | TERMINAL | |
| 21 | 4460466 | 1 | TERMINAL | |
| 22 | 80363178 | 1 | CONNECTOR | |
| 23 | 80363179 | 1 | LOCK, CONNECTOR | |
| 24 | 4460465 | 1 | TERMINAL | |
| 25 | 4460466 | 1 | PLUG | |
| 26 | 4460945 | 1 | TERMINAL | |
| 27 | 70022224 | 1 | CONNECTOR | |
| 28 | 91554019 | 1 | LOCK, CONNECTOR | |
| 29 | 4460042 | 4 | 16 GA TERMINAL RING | |

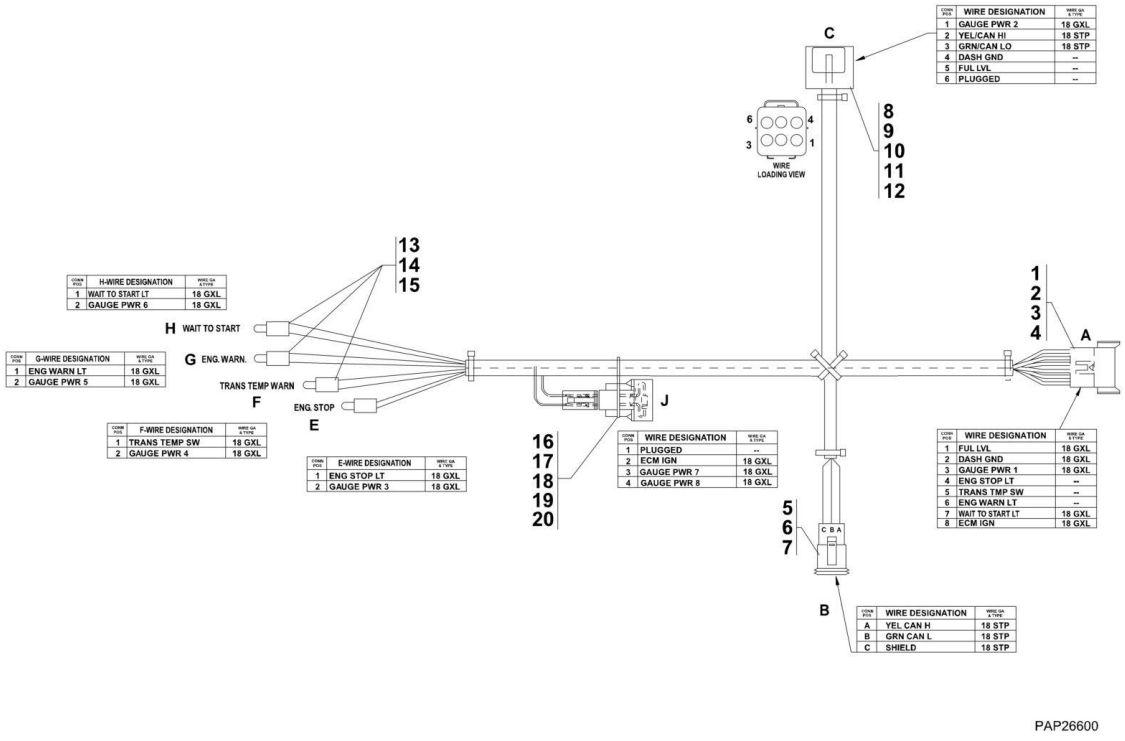
## FIGURE 10-9. CAB - ENCLOSED CAB OPTION HARNESS



## FIGURE 10-9. CAB - ENCLOSED CAB OPTION HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91563185 | Ref | ENCLOSED CAB OPTION HARNESS | B |
| 2 | 4460459 | 1 | TERMINAL, CONNECTOR | |
| 3 | 4460743 | 3 | TERMINAL, SOCKET | |
| 4 | 80963065 | 1 | SEAL, WEATHERPACK CABLE | |
| 5 | 80963065 | 1 | SEAL, WEATHERPACK CABLE | |
| 6 | 80963064 | 1 | SHROUD | |
| 7 | 80963069 | 2 | PIN, WEATHERPACK MALE | |
| 8 | 4460850 | 3 | TERMINAL,MALE PIN | |
| 9 | 80963067 | 1 | SEAL | |
| 10 | 80963070 | 1 | PLUG, DUST CAP | |
| 11 | 7026429 | 1 | CONNECTOR | |
| 12 | 7026430 | 3 | TERMINAL | |
| 13 | 80963065 | 1 | SEAL, WEATHERPACK CABLE | |
| 14 | 80963069 | 4 | PIN, WEATHERPACK MALE | |
| 15 | 80963062 | 1 | CONNECTOR | |
| 16 | 80963057 | 1 | TOWER | |
| 17 | 80963068 | 2 | TERMINAL | |
| 18 | 80963065 | 1 | SEAL, WEATHERPACK CABLE | |
| 19 | 7026431 | 1 | CONNECTOR | |

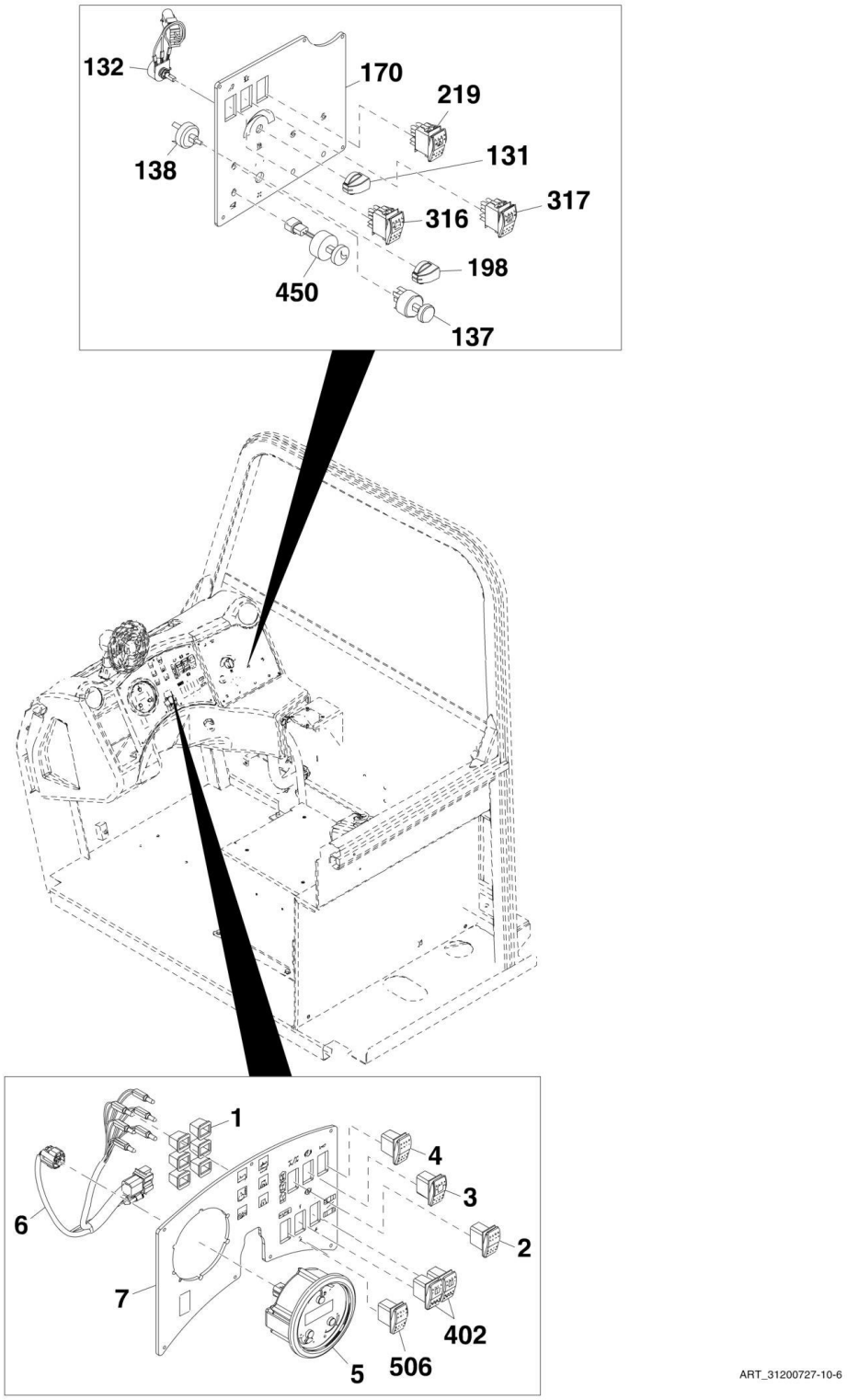
## FIGURE 10-10. CAB - INSTRUMENT PANEL HARNESS



## FIGURE 10-10. CAB - INSTRUMENT PANEL HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001102815 | 1 | INSTRUMENT PANEL HARNESS, (includes all items) | C |
| 1 | 91503105 | 1 | 8 PIN RECEPTACLE | |
| 2 | 91503106 | 1 | WEDGE LOCK | |
| 3 | 77363228 | 7 | TERMINAL | |
| 4 | 4460466 | 1 | PLUG | |
| 5 | N.S.S. | 1 | CONNECTOR | |
| 6 | 70022691 | 1 | WEDGE LOCK | |
| 7 | 4460944 | 3 | CONTACT | |
| 8 | N.S.S. | 1 | CONNECTOR | |
| 9 | N.S.S. | 1 | DOUBLE LOCK PLATE | |
| 10 | N.S.S. | 1 | SOCKET | |
| 11 | N.S.S. | 1 | WIRE SEAL | |
| 12 | N.S.S. | 1 | PLUG | |
| 13 | 7026437 | 4 | BULB BASE | |
| 14 | 7026438 | 8 | TERMINAL | |
| 15 | 80484088 | 4 | BULB | |
| 16 | 1001116816 | 1 | DIODE | |
| 17 | 4460465 | 3 | TERMINAL | |
| 18 | 80604021 | 1 | WEDGE LOCK | |
| 19 | 4460884 | 1 | CONNECTOR | |
| 20 | 4460466 | 1 | PLUG | |

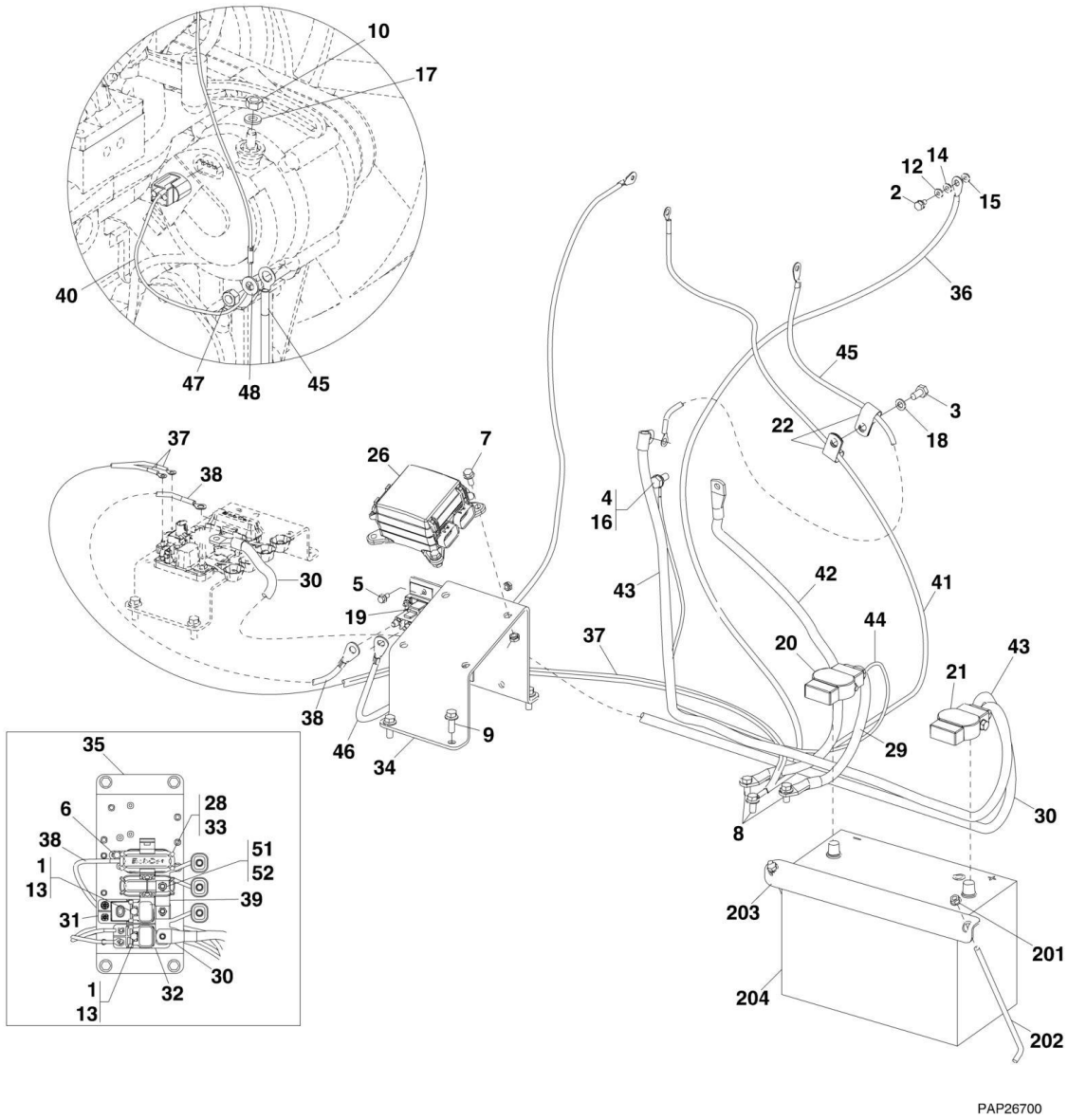
## FIGURE 10-11. CAB SWITCHES



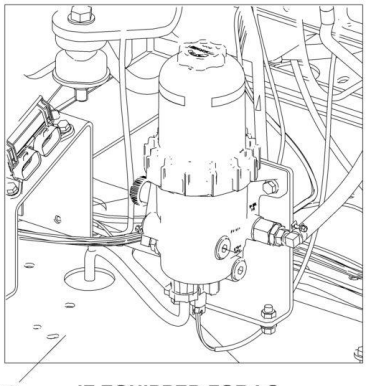
## FIGURE 10-11. CAB SWITCHES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001101666 | 1 | INSTRUMENT PANEL, (includes items 1 thru 7) | N |
| 1 | N.S.S. | 6 | BULB HOUSING | |
| 2 | 91473127 | 1 | STEER SELECT SWITCH | |
| 3 | 91474465 | 1 | PARK BRAKE SWITCH | |
| 4 | 7026440 | 1 | HORN SWITCH | |
| 5 | 1001099163 | 1 | 3-IN-1 GAUGE | |
| 6 | | Ref | INSTRUMENT PANEL HARNESS, (See INSTRUMENT PANEL HARNESS for Breakdown) | |
| 7 | 1001099378 | 1 | DASH PANEL | |
| 131 | 1001151847 | 2 | KNOB, (if equipped) | |
| 132 | 1001151643 | 1 | POTENTIOMETER ASSY, (if equipped) | |
| 137 | 80963101 | 1 | WIPER SWITCH, (enclosed cab) | |
| 138 | 80964001 | 1 | BLOWER SWITCH, (if equipped) | |
| 170 | | Ref | RH DASH PANEL, (See CAB SECTION for Breakdown) | |
| 198 | 1001152326 | 1 | KNOB HANDLE | |
| 219 | 1001090459 | 1 | HAZARD SWITCH, (if equipped) | |
| 316 | 1001090460 | 1 | WORK LIGHT SWITCH, (if equipped) | |
| 317 | 1001090461 | 1 | BEACON LIGHT SWITCH, (if equipped) | |
| 402 | 91473127 | 2 | AUXILIARY ELECTRICAL SWITCH, (if equipped) | |
| 450 | 1001099174 | 1 | TILT RHEOSTAT SWITCH | |
| 506 | 1001001242 | 1 | HYDRAULIC QUICK SWITCH, (if equipped) | |

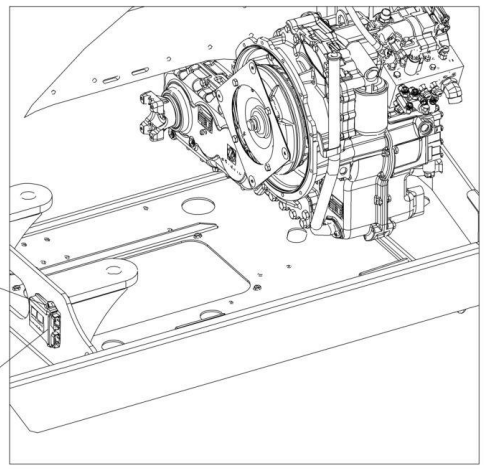
## FIGURE 10-12. ENGINE COMPARTMENT ELECTRICAL INSTALLATION






IF EQUIPPED FOR LS




G9-43A & G10-43A
IF EQUIPPED FOR ULS

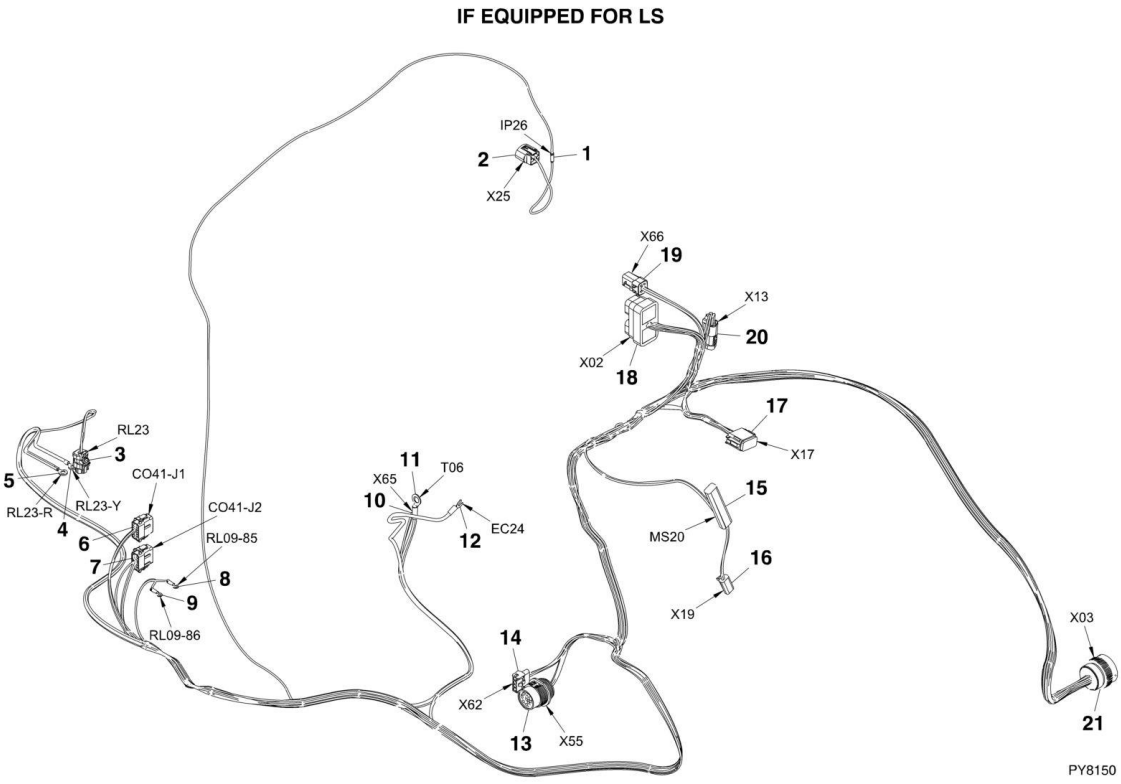
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## FIGURE 10-12. ENGINE COMPARTMENT ELECTRICAL INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131821 | Ref | ELECTRICAL COMPONENT INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 52 for service) | L |
| | 1001139438 | Ref | ELECTRICAL COMPONENT INSTALLATION, (if equipped for LS), (includes items 1 thru 53 for service) | F |
| 1 | 0641415 | 2 | HEX HD CAPSCREW, 1/4-20X1.875, GR5 | |
| 2 | 0641504 | 1 | HEX HD CAPSCREW, 5/16-18X1/2, GR5 | |
| 3 | 0761010 | 1 | HEX HD CAPSCREW, M10X20, GR8.8 | |
| 4 | 0761012 | 1 | HEX HD CAPSCREW, M10X25, GR8.8 | |
| 5 | 0791404 | 3 | SCREW, 1/4-20X1/2 | |
| 6 | 0791406 | 2 | SCREW, 1/4-20X3/4 | |
| 7 | 0791506 | 4 | SCREW, 5/16-18X3/4 | |
| 8 | 0791606 | 3 | SCREW, 3/8-16X3/4 | |
| 9 | 0811608 | 8 | SCREW, 3/8-16X1 | |
| 10 | 3290601 | 1 | HEX NUT, M6X1, (if equipped for ULS) | |
| 10 | 3290801 | 1 | HEX NUT, M8X1.25, (if equipped for LS) | |
| 12 | 4711500 | 1 | WASHER, 5/16 | |
| 13 | 4761400 | 2 | WASHER, 1/4 | |
| 14 | 4761500 | 1 | WASHER, 5/16 | |
| 15 | 4771500 | 1 | STAR WASHER, 5/16 | |
| 16 | 4812000 | 1 | WASHER, 10mm | |
| 17 | 4831700 | 1 | SPRING LOCKWASHER, 6mm, (if equipped for ULS) | |
| 17 | 4831900 | 1 | SPRING LOCKWASHER, 8mm, (if equipped for LS) | |
| 18 | 4832000 | 1 | SPRING LOCKWASHER, 10mm | |
| 19 | 8225122 | 1 | RELAY | |
| 20 | 1001148992 | 1 | NEGATIVE BATTERY CLAMP | |
| 21 | 1001148991 | 1 | POSITIVE BATTERY CLAMP | |
| 22 | 8406105 | 2 | TUBE CLIP, 0.75 | |
| 26 | 1001108433 | 1 | CONTROL, VEC MODULE | |
| 26 | 70024843 | 4 | RELAY, 12V 30AMP | |
| 27 | | Ref | TRANSMISSION HARNESS, (See TRANSMISSION HARNESS for Breakdown) | |
| 28 | 1001118245 | 1 | FUSE, 250 AMP, (if equipped for ULS) | |
| 28 | 2400087 | 1 | FUSE, 300 AMP, (if equipped for LS) | |
| 29 | 1001145301 | 1 | CABLE | |
| 30 | 1001127488 | 1 | CABLE | |
| 31 | 1001163729 | 1 | RELAY | |
| 32 | 1001127699 | 1 | FUSE | |
| 33 | 1001127700 | 1 | FUSE HOLDER | |
| 34 | 1001127748 | 1 | VEC BOX MOUNT | |
| 35 | 1001127756 | 1 | ELECTRONICS MOUNT | |
| 36 | 1001129277 | 1 | GROUND CABLE | |
| 37 | | Ref | VEC HARNESS, (See VEC HARNESS for Breakdown) | |
| 38 | 1001134236 | 1 | FUSE | |
| 39 | 1001134470 | 1 | BUSSBAR CONNECTOR | |
| 40 | | Ref | ENGINE HARNESS, (See ENGINE HARNESS for Breakdown) | |
| 41 | 1001136332 | 1 | ALTERNATOR POWER CABLE | |
| 42 | 1001127489 | 1 | STARTER GROUND CABLE | |
| 43 | 1001151408 | 1 | RELAY TO STARTER POSITIVE CABLE | |
| 44 | 1001143377 | 1 | ENGINE TO BATTERY NEGATIVE CABLE | |
| 45 | 1001134232 | 1 | ALTERNATOR GROUND CABLE | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46 | 1001134235 | 1 | HEATER POWER CABLE | |
| 47 | 3290807 | 1 | HEX LOCKNUT, M8X1.25 | |
| 48 | 4811900 | 1 | WASHER, 8mm | |
| 49 | 90206198 | 2 in | TRIM-LOK, (not shown) | |
| 50 | 90206203 | 9 in | TRIM-LOK, (not shown) | |
| 51 | 8310453 | 1 | HEX NUT, 5/16-18, GR5 | |
| 52 | 0641506 | 1 | HEX HD CAPSCREW, 5/16-18X0.75, GR5 | |
| 53 | 1001127519 | 1 | WATER IN FUEL HARNESS, (if equipped for LS) | |
| 201 | 3311508 | 2 | HEX NUT, 5/16-18 | |
| 202 | 91081640 | 2 | BATTERY HOLD DOWN BOLT | |
| 203 | 91401281 | 1 | BATTERY HOLD DOWN BRACKET | |
| 204 | 0400075 | 1 | BATTERY, 12V GROUP 31, 6 EYE | |
| 301 | 0641412 | 2 | HEX HD CAPSCREW, 1/4-20X1 1/2, GR5, (if equipped for ULS) | |
| 308 | 4761400 | 2 | LOCK WASHER, 1/4, (if equipped for ULS) | |
| 316 | 1001128743 | 1 | PUMP DISPLACEMENT CONTROLLER, (if equipped for ULS) | |

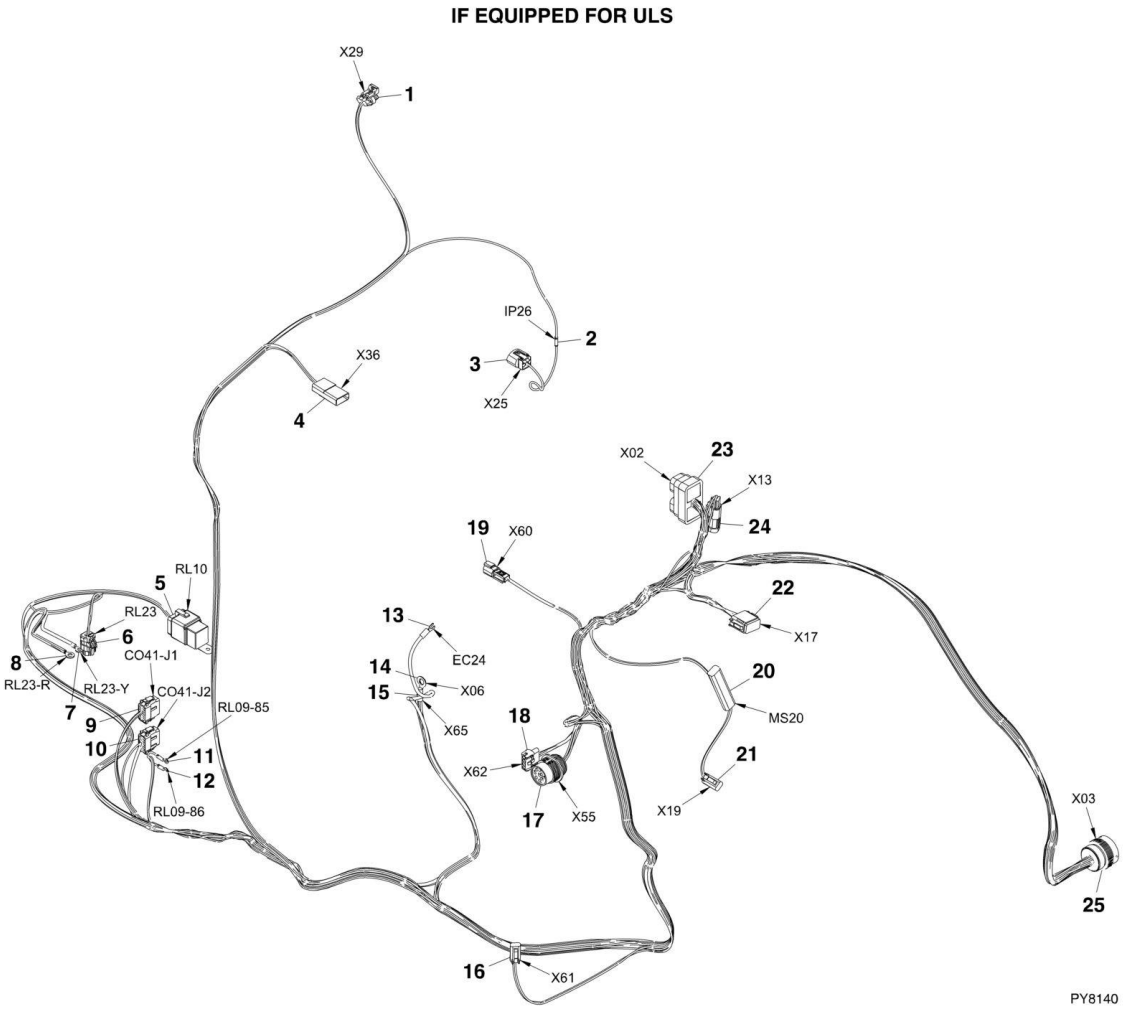
## FIGURE 10-13. ENGINE HARNESS IF EQUIPPED FOR LS



## FIGURE 10-13. ENGINE HARNESS IF EQUIPPED FOR LS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139248 | 1 | ENGINE HARNESS, (if equipped for LS), (includes all items) | G |
| 1 | 91363021 | 1 | MOLDED DIODE | |
| 2 | 1001125748 | 1 | CONNECTOR | |
| 2 | 1001125773 | 3 | TERMINAL | |
| 3 | 1001116950 | 1 | CONNECTOR | |
| 3 | 4460942 | 2 | TERMINAL | |
| 4 | 4460312 | 1 | RING TERMINAL | |
| 5 | 4460312 | 1 | RING TERMINAL | |
| 5 | 4460312 | 2 | RING TERMINAL | |
| 6 | 1001116808 | 1 | PLUG | |
| 6 | 4460928 | 3 | TERMINAL | |
| 7 | 1001116774 | 1 | PLUG | |
| 7 | 4460918 | 2 | TERMINAL | |
| 7 | 4460928 | 2 | TERMINAL | |
| 8 | 4460247 | 1 | RING TERMINAL | |
| 9 | 4460247 | 1 | RING TERMINAL | |
| 10 | 4460256 | 1 | RING TERMINAL | |
| 11 | 4460019 | 1 | RING TERMINAL | |
| 11 | 4460019 | 2 | RING TERMINAL | |
| 12 | 1001152595 | 1 | FORK TERMINAL | |
| 13 | 1001112612 | 1 | CONNECTOR | |
| 13 | 1001106736 | 1 | DUST CAP AND LANYARD | |
| 13 | 4460464 | 2 | TERMINAL | |
| 13 | 4460943 | 2 | TERMINAL | |
| 14 | 4460761 | 1 | CONNECTOR | |
| 14 | 4460321 | 1 | PLUG | |
| 14 | 1001143551 | 1 | SEAL | |
| 14 | 4460809 | 1 | SEAL PLUG | |
| 14 | 4460267 | 4 | TERMINAL | |
| 15 | 91363021 | 1 | MOLDED DIODE | |
| 16 | 4460891 | 1 | PLUG | |
| 16 | 4460465 | 2 | SOCKET TERMINAL | |
| 17 | 4460933 | 1 | PLUG | |
| 17 | 4460465 | 10 | SOCKET TERMINAL | |
| 18 | 1001116831 | 1 | PLUG | |
| 18 | 1001119619 | 14 | TERMINAL | |
| 19 | 1001116810 | 1 | PLUG | |
| 19 | 4460509 | 4 | TERMINAL | |
| 20 | 1001144147 | 1 | CONNECTOR | |
| 20 | 4460943 | 2 | TERMINAL | |
| 21 | 1001116938 | 1 | PLUG | |
| 21 | 4460465 | 24 | SOCKET TERMINAL | |
| 21 | 4460944 | 2 | TERMINAL | |

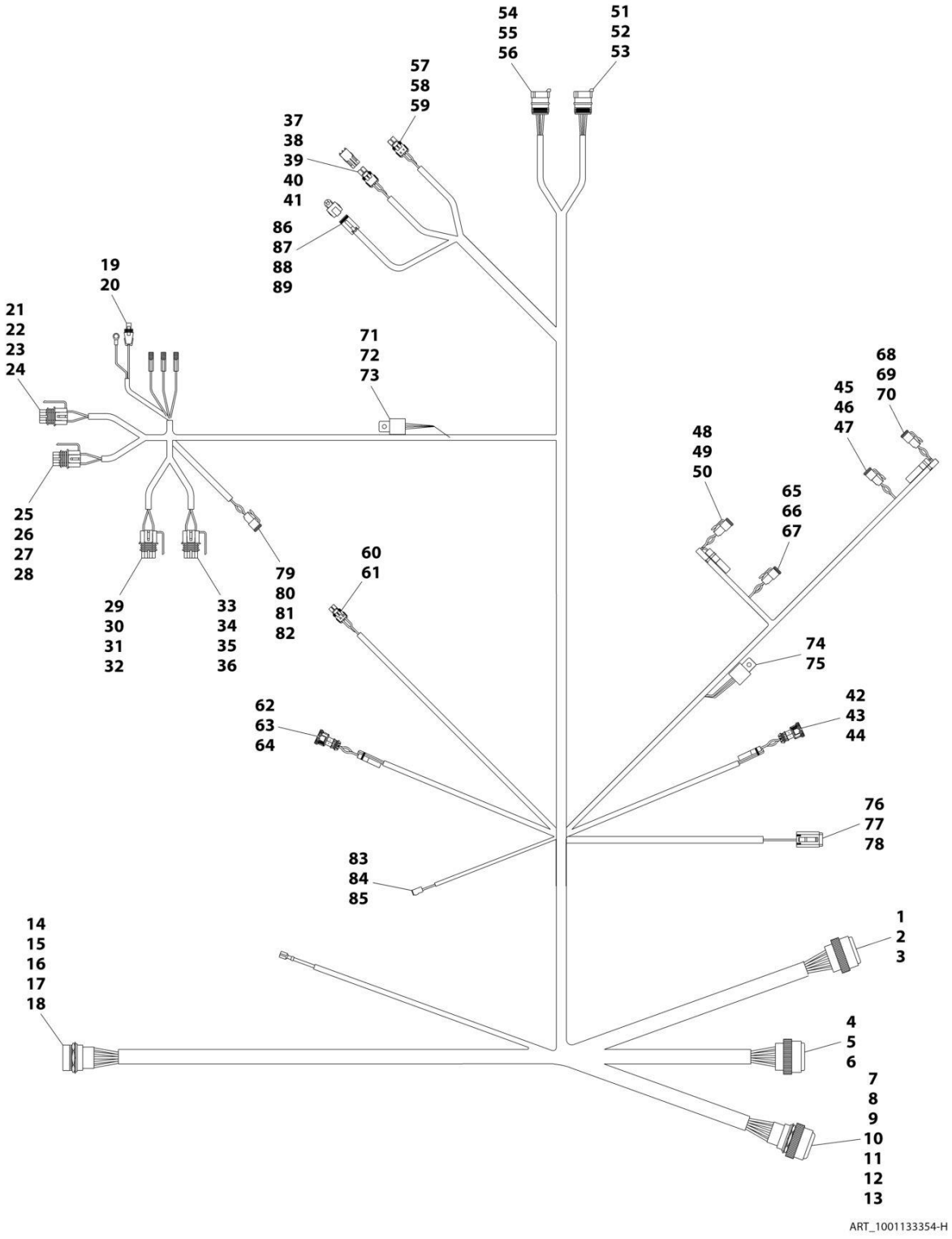
## FIGURE 10-14. ENGINE HARNESS IF EQUIPPED FOR ULS



## FIGURE 10-14. ENGINE HARNESS IF EQUIPPED FOR ULS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001136140 | 1 | ENGINE HARNESS, (if equipped for ULS), (includes all items) | J |
| 1 | 1001125027 | 1 | CONNECTOR | |
| 1 | 8220124 | 3 | TERMINAL | |
| 2 | 91363021 | 1 | MOLDED DIODE | |
| 3 | 1001125748 | 1 | CONNECTOR | |
| 3 | 1001125773 | 1 | TERMINAL | |
| 4 | 1001134192 | 1 | CONNECTOR | |
| 5 | 1001145707 | 1 | CONNECTOR | |
| 5 | 1001116733 | 4 | TERMINAL | |
| 5 | 8220101 | 1 | PLUG | |
| 6 | 1001116950 | 1 | CONNECTOR | |
| 6 | 1001118390 | 2 | TERMINAL | |
| 7 | 4460312 | 1 | RING TERMINAL | |
| 8 | 1001117106 | 1 | RING TERMINAL | |
| 9 | 1001116808 | 1 | PLUG | |
| 9 | 4460928 | 3 | TERMINAL | |
| 10 | 1001116774 | 1 | PLUG | |
| 10 | 4460928 | 4 | TERMINAL | |
| 11 | 4460247 | 1 | RING TERMINAL | |
| 12 | 4460247 | 1 | RING TERMINAL | |
| 13 | 1001117111 | 1 | FORK TERMINAL | |
| 14 | 8220164 | 1 | RING TERMINAL | |
| 15 | 4460256 | 1 | RING TERMINAL | |
| 16 | 4460891 | 1 | PLUG | |
| 16 | 4460465 | 2 | SOCKET TERMINAL | |
| 17 | 1001112612 | 1 | CONNECTOR | |
| 17 | 1001106736 | 1 | DUST CAP AND LANYARD | |
| 17 | 4460464 | 2 | TERMINAL | |
| 17 | 4460943 | 2 | TERMINAL | |
| 18 | 4460761 | 1 | CONNECTOR | |
| 18 | 4460321 | 1 | PLUG | |
| 18 | 1001143551 | 2 | SEAL | |
| 18 | 4460809 | 4 | SEAL PLUG | |
| 18 | 4460267 | 4 | TERMINAL | |
| 19 | 4460897 | 1 | CONNECTOR | |
| 19 | 4460464 | 2 | TERMINAL | |
| 20 | 91363021 | 1 | MOLDED DIODE | |
| 21 | 4460891 | 1 | PLUG | |
| 21 | 4460465 | 2 | SOCKET TERMINAL | |
| 22 | 4460933 | 1 | PLUG | |
| 22 | 4460465 | 10 | SOCKET TERMINAL | |
| 23 | 1001126208 | 1 | PLUG | |
| 23 | 1001126009 | 25 | TERMINAL | |
| 24 | 1001144147 | 1 | CONNECTOR | |
| 24 | 4460943 | 2 | TERMINAL | |
| 25 | 1001116938 | 1 | PLUG | |
| 25 | 4460465 | 30 | SOCKET TERMINAL | |

## FIGURE 10-15. FRAME HARNESS



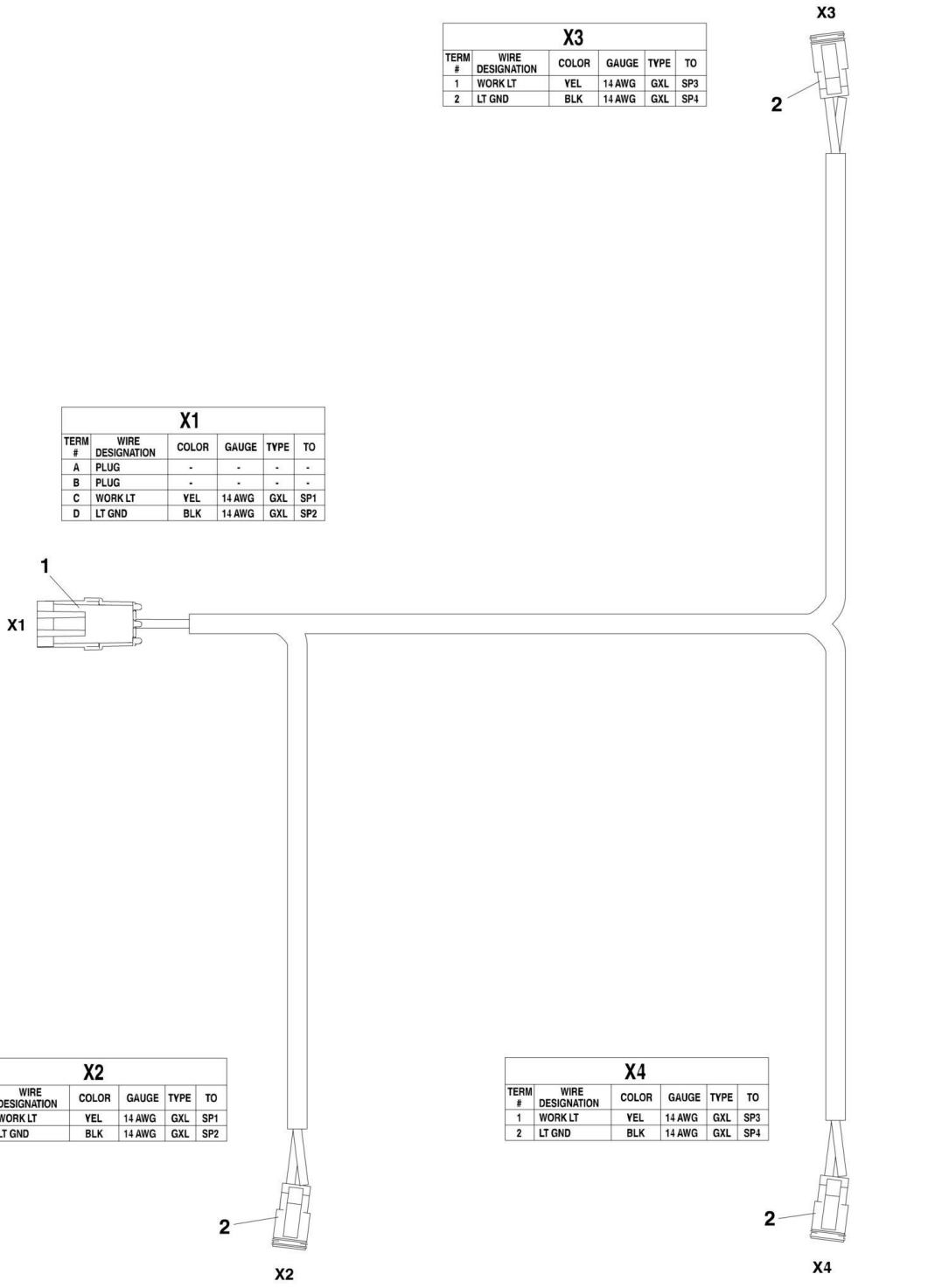
## FIGURE 10-15. FRAME HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001133354 | 1 | FRAME HARNESS | H |
| 1 | 7026910 | 1 | CONNECTOR | |
| 2 | 4460464 | 30 | TERMINAL | |
| 3 | 4460466 | 1 | PLUG | |
| 4 | 4460502 | 1 | CONNECTOR | |
| 5 | 4460465 | 29 | TERMINAL | |
| 6 | 4460466 | 1 | PLUG | |
| 7 | 7026415 | 1 | CONNECTOR | |
| 8 | 83481286 | 1 | NUT | |
| 9 | 83481285 | 1 | LOCKWASHER | |
| 10 | 4460465 | 13 | TERMINAL | |
| 11 | 4460509 | 6 | TERMINAL | |
| 12 | 4460466 | 1 | PLUG | |
| 13 | 4460469 | 1 | CAP | |
| 14 | 1001116934 | 1 | CONNECTOR | |
| 15 | 83481286 | 1 | NUT | |
| 16 | 83481285 | 1 | LOCKWASHER | |
| 17 | 4460464 | 31 | TERMINAL | |
| 18 | 4460466 | 1 | PLUG | |
| 19 | 80963056 | 1 | CONNECTOR | |
| 20 | 4460475 | 1 | TERMINAL | |
| 21 | 1001121557 | NLA | CONNECTOR (no longer available, use 80484086 for replacement) | |
| 21 | 80484086 | 1 | CONNECTOR | |
| 22 | 7026414 | 1 | CONNECTOR LOCK | |
| 23 | 4460746 | 3 | TERMINAL | |
| 24 | 1001116747 | 5 | TERMINAL | |
| 25 | 80484085 | 1 | CONNECTOR | |
| 26 | 7026414 | 1 | CONNECTOR LOCK | |
| 27 | 4460746 | 4 | TERMINAL | |
| 28 | 1001116747 | 4 | TERMINAL | |
| 29 | 80484084 | 1 | BLUE CONNECTOR | |
| 30 | 7026414 | 1 | CONNECTOR LOCK | |
| 31 | 4460746 | 7 | TERMINAL | |
| 32 | 1001116747 | 1 | TERMINAL | |
| 33 | 80484081 | 1 | GREEN CONNECTOR | |
| 34 | 7026414 | 1 | CONNECTOR LOCK | |
| 35 | 4460746 | 6 | TERMINAL | |
| 36 | 1001116747 | 2 | TERMINAL | |
| 37 | 80963061 | 1 | CONNECTOR | |
| 38 | 4460457 | 4 | TERMINAL | |
| 39 | 80963062 | 1 | CONNECTOR | |
| 40 | 80963070 | 1 | DUST CAP | |
| 41 | 1001116727 | 1 | PLUG | |
| 42 | 1001116983 | 1 | HOUSING | |
| 43 | 1001116706 | 2 | TERMINAL | |
| 44 | 1001137578 | 2 | WIRE SEAL | |
| 45 | 4460891 | 1 | PLUG CONNECTOR, (includes rear seal) | |
| 46 | 80604018 | 1 | WEDGE LOCK | |
| 47 | 4460465 | 2 | TERMINAL | |

# SECTION 10 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 48 | 4460891 | 1 | PLUG CONNECTOR, (includes rear seal) | |
| 49 | 80604018 | 1 | WEDGE LOCK | |
| 50 | 4460465 | 2 | TERMINAL | |
| 51 | 7026413 | 1 | CONNECTOR | |
| 52 | 4460464 | 5 | TERMINAL | |
| 53 | 4460466 | 1 | PLUG | |
| 54 | 7026413 | 1 | CONNECTOR | |
| 55 | 4460464 | 5 | TERMINAL | |
| 56 | 4460466 | 1 | PLUG | |
| 57 | 1001117021 | 1 | CONNECTOR | |
| 58 | 8220890 | 1 | SECONDARY LOCK | |
| 59 | 4460746 | 2 | TERMINAL | |
| 60 | 4460742 | 1 | CONNECTOR | |
| 61 | 4460457 | 2 | TERMINAL | |
| 62 | 1001116983 | 1 | CONNECTOR | |
| 63 | 1001116706 | 2 | TERMINAL | |
| 64 | 1001137578 | 2 | SEAL | |
| 65 | 4460891 | 1 | PLUG CONNECTOR, (includes rear seal) | |
| 66 | 80604018 | 1 | WEDGE LOCK | |
| 67 | 4460465 | 2 | TERMINAL | |
| 68 | 4460891 | 1 | PLUG CONNECTOR, (includes rear seal) | |
| 69 | 80604018 | 1 | WEDGE LOCK | |
| 70 | 4460465 | 2 | TERMINAL | |
| 71 | 3740080 | 1 | RELAY | |
| 72 | 1001117025 | 1 | CONNECTOR | |
| 73 | 1001116733 | 4 | TERMINAL | |
| 74 | 1001117025 | 1 | CONNECTOR | |
| 75 | 1001116733 | 4 | TERMINAL | |
| 76 | 4460884 | 1 | HOUSING | |
| 77 | 4460465 | 4 | TERMINAL | |
| 78 | 80604021 | 1 | WEDGE LOCK | |
| 79 | 4460894 | 1 | CONNECTOR | |
| 80 | 4460465 | 6 | TERMINAL | |
| 81 | 80604023 | 1 | WEDGE LOCK | |
| 82 | 4460466 | 1 | PLUG | |
| 83 | 4460891 | 1 | PLUG CONNECTOR, (includes rear seal) | |
| 84 | 80604018 | 1 | WEDGE LOCK | |
| 85 | 4460465 | 2 | TERMINAL | |
| 86 | 4460884 | 1 | CONNECTOR | |
| 87 | 4460465 | 1 | TERMINAL | |
| 88 | 4460466 | 1 | PLUG | |
| 89 | 1001192401 | 1 | CAP | |

## FIGURE 10-16. LIGHTS - BOOM WORK LIGHTS HARNESS




| X3 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | WORK LT | YEL | 14 AWG | GXL | SP3 |
| 2 | LT GND | BLK | 14 AWG | GXL | SP4 |

| X1 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| A | PLUG | - | - | - | - |
| B | PLUG | - | - | - | - |
| C | WORK LT | YEL | 14 AWG | GXL | SP1 |
| D | LT GND | BLK | 14 AWG | GXL | SP2 |

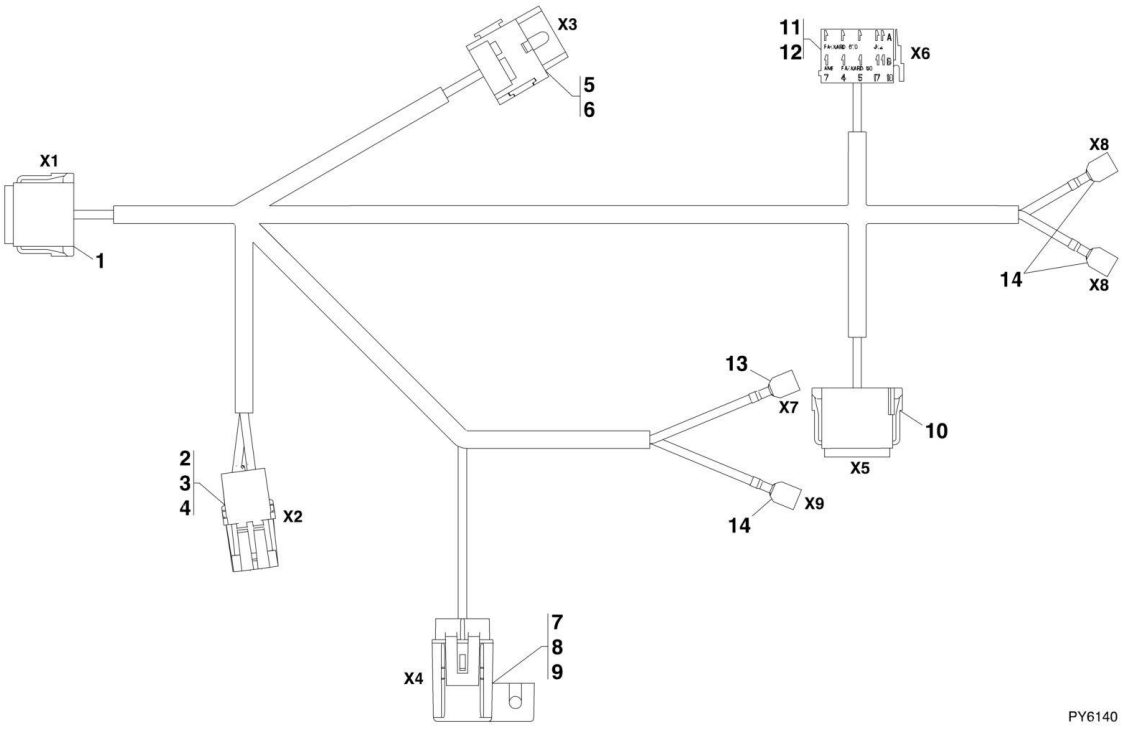
| X2 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | WORK LT | YEL | 14 AWG | GXL | SP1 |
| 2 | LT GND | BLK | 14 AWG | GXL | SP2 |

| X4 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | WORK LT | YEL | 14 AWG | GXL | SP3 |
| 2 | LT GND | BLK | 14 AWG | GXL | SP4 |

## FIGURE 10-16. LIGHTS - BOOM WORK LIGHTS HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001125382 | 1 | BOOM WORK LIGHTS HARNESS, (if equipped), (includes all items) | A |
| 1 | 80963062 | 1 | CONNECTOR | |
| 1 | 4460850 | 2 | TERMINAL | |
| 1 | 8220081 | 2 | SEAL | |
| 1 | 1001116727 | 2 | PLUG | |
| 2 | 4460891 | 3 | PLUG CONNECTOR, (includes rear seal) | |
| 2 | 80604018 | 1 | WEDGE LOCK | |
| 2 | 4460942 | 2 | TERMINAL | |

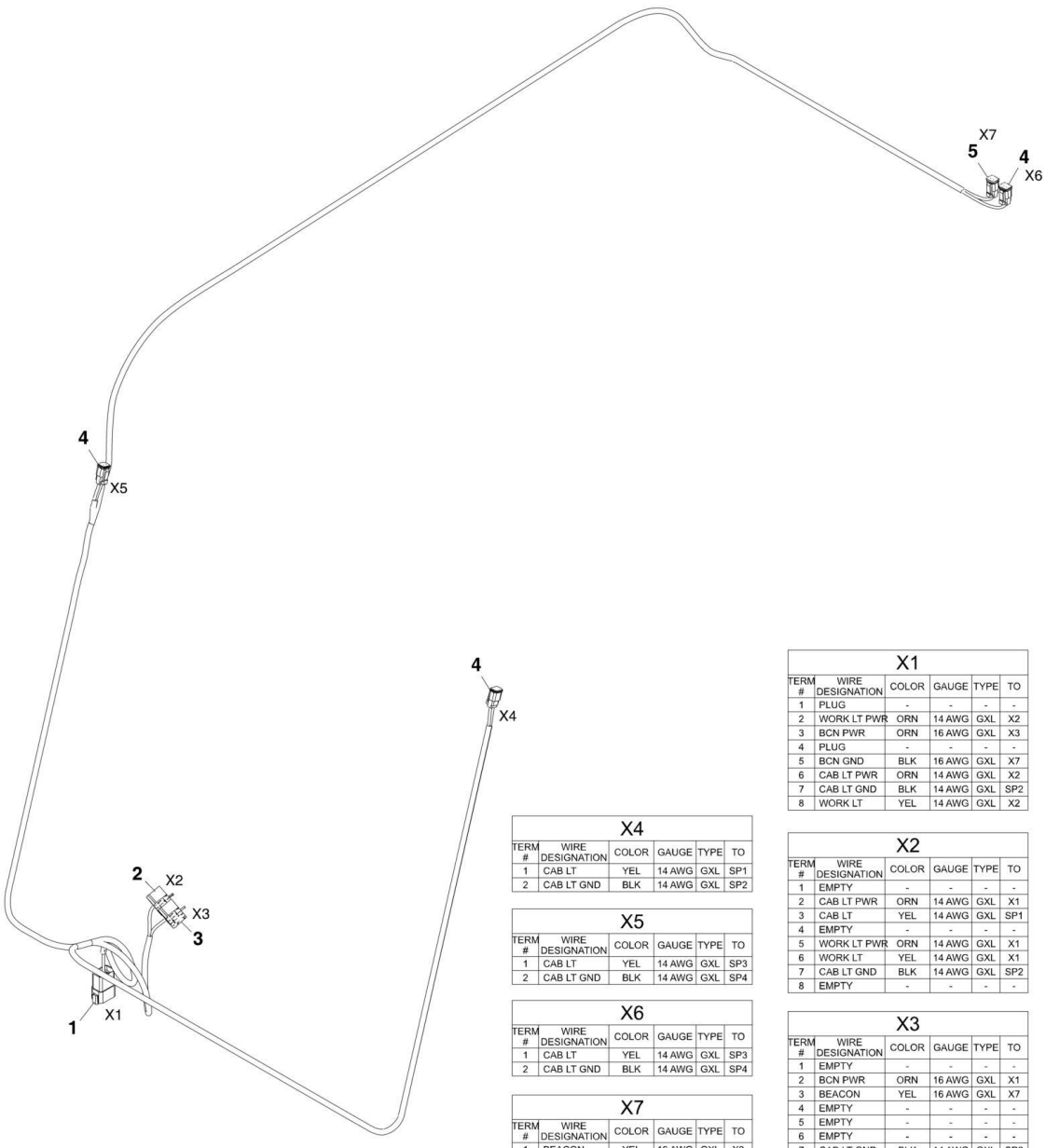
## FIGURE 10-17. LIGHTS - CAB ROAD LIGHTS HARNESS



## FIGURE 10-17. LIGHTS - CAB ROAD LIGHTS HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001090509 | 1 | CAB ROAD LIGHTS HARNESS, (if equipped), (includes all items) | C |
| 1 | 4460851 | 1 | CONNECTOR | |
| 1 | 80604025 | 1 | WEDGE LOCK | |
| 2 | 4461157 | 1 | CONNECTOR | |
| 3 | 4460475 | 2 | TERMINAL | |
| 4 | 8220081 | 1 | SEAL | |
| 5 | 1001117058 | 1 | CONNECTOR | |
| 6 | 4460419 | 2 | TERMINAL | |
| 7 | 1001117018 | 1 | CONNECTOR, (includes 15 amp fuse) | |
| 8 | 1001116733 | 2 | TERMINAL | |
| 9 | 7029771 | 1 | COVER | |
| 10 | 4460934 | 1 | CONNECTOR | |
| 10 | 80604016 | 1 | WEDGE LOCK | |
| 11 | 1001117079 | 1 | CONNECTOR | |
| 12 | 1001118384 | 7 | TERMINAL | |
| 13 | N.S.S. | 1 | 1/4 SPADE TERMINAL | |
| 14 | N.S.S. | 3 | 1/4 FEMALE TERMINAL | |

## FIGURE 10-18. LIGHTS - CAB WORK LIGHT HARNESS (G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)




| X4 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | CAB LT | YEL | 14 AWG | GXL | SP1 |
| 2 | CAB LT GND | BLK | 14 AWG | GXL | SP2 |

| X5 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | CAB LT | YEL | 14 AWG | GXL | SP3 |
| 2 | CAB LT GND | BLK | 14 AWG | GXL | SP4 |

| X6 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | CAB LT | YEL | 14 AWG | GXL | SP3 |
| 2 | CAB LT GND | BLK | 14 AWG | GXL | SP4 |

| X7 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | BEACON | YEL | 16 AWG | GXL | X3 |
| 2 | BCN GND | BLK | 16 AWG | GXL | X1 |

| X1 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | PLUG | - | - | - | - |
| 2 | WORK LT PWR | ORN | 14 AWG | GXL | X2 |
| 3 | BCN PWR | ORN | 16 AWG | GXL | X3 |
| 4 | PLUG | - | - | - | - |
| 5 | BCN GND | BLK | 16 AWG | GXL | X7 |
| 6 | CAB LT PWR | ORN | 14 AWG | GXL | X2 |
| 7 | CAB LT GND | BLK | 14 AWG | GXL | SP2 |
| 8 | WORK LT | YEL | 14 AWG | GXL | X2 |

| X2 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | EMPTY | - | - | - | - |
| 2 | CAB LT PWR | ORN | 14 AWG | GXL | X1 |
| 3 | CAB LT | YEL | 14 AWG | GXL | SP1 |
| 4 | EMPTY | - | - | - | - |
| 5 | WORK LT PWR | ORN | 14 AWG | GXL | X1 |
| 6 | WORK LT | YEL | 14 AWG | GXL | X1 |
| 7 | CAB LT GND | BLK | 14 AWG | GXL | SP2 |
| 8 | EMPTY | - | - | - | - |

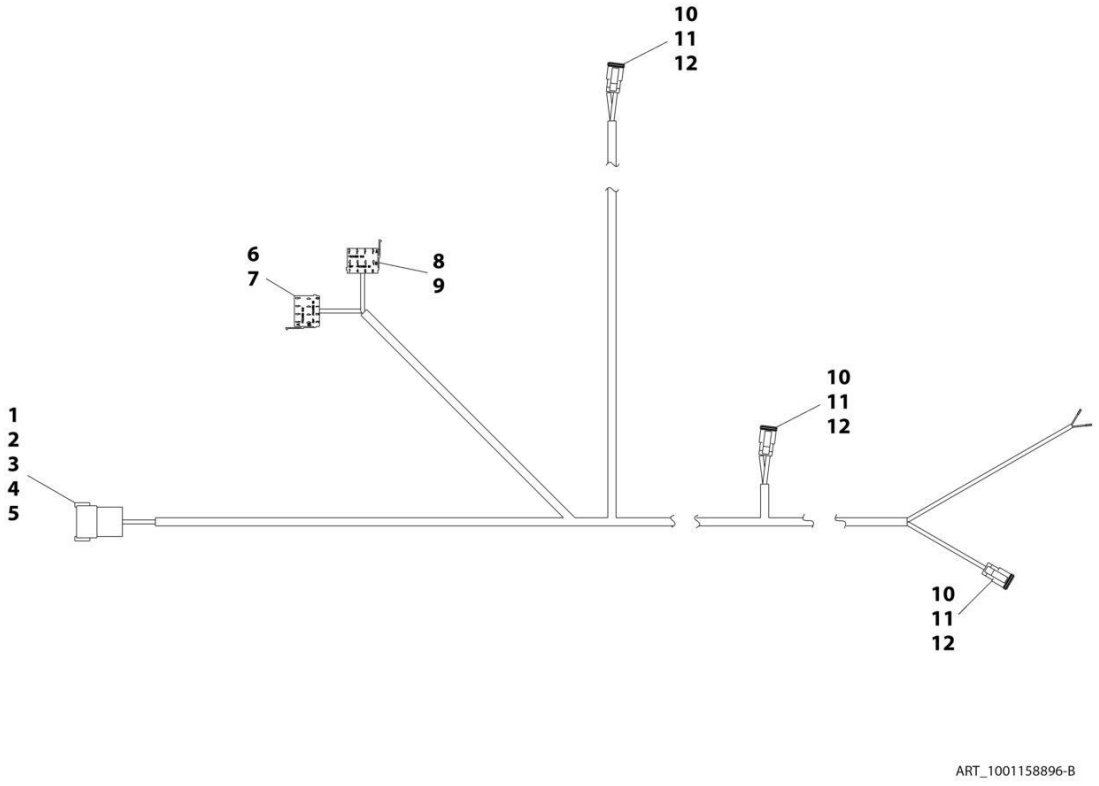
| X3 | | | | | |
|---|---|---|---|---|---|
| TERM # | WIRE DESIGNATION | COLOR | GAUGE | TYPE | TO |
| 1 | EMPTY | - | - | - | - |
| 2 | BCN PWR | ORN | 16 AWG | GXL | X1 |
| 3 | BEACON | YEL | 16 AWG | GXL | X7 |
| 4 | EMPTY | - | - | - | - |
| 5 | EMPTY | - | - | - | - |
| 6 | EMPTY | - | - | - | - |
| 7 | CAB LT GND | BLK | 14 AWG | GXL | SP2 |
| 8 | EMPTY | - | - | - | - |

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## FIGURE 10-18. LIGHTS - CAB WORK LIGHT HARNESS (G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001125384 | 1 | CAB WORK LIGHT HARNESS, (if equipped), (includes all items) | B |
| 1 | 4460931 | 1 | DEUTSCH CONNECTOR, (includes rear seal) | |
| 1 | 8220525 | 1 | WEDGELOCK | |
| 1 | 4460465 | 2 | SOCKET TERMINAL | |
| 1 | 4460942 | 4 | SOCKET TERMINAL | |
| 1 | 4460466 | 2 | PLUG | |
| 2 | 7026439 | 1 | CONNECTOR | |
| 2 | 1001118384 | 5 | TERMINAL | |
| 3 | 7026439 | 1 | CONNECTOR | |
| 3 | 1001118384 | 3 | TERMINAL | |
| 4 | 4460891 | 3 | PLUG CONNECTOR, (includes rear seal) | |
| 4 | 80604018 | 1 | WEDGELOCK | |
| 4 | 4460942 | 2 | SOCKET TERMINAL | |
| 5 | 4460891 | 3 | PLUG CONNECTOR, (includes rear seal) | |
| 5 | 80604018 | 1 | WEDGELOCK | |
| 5 | 4460465 | 2 | SOCKET TERMINAL | |

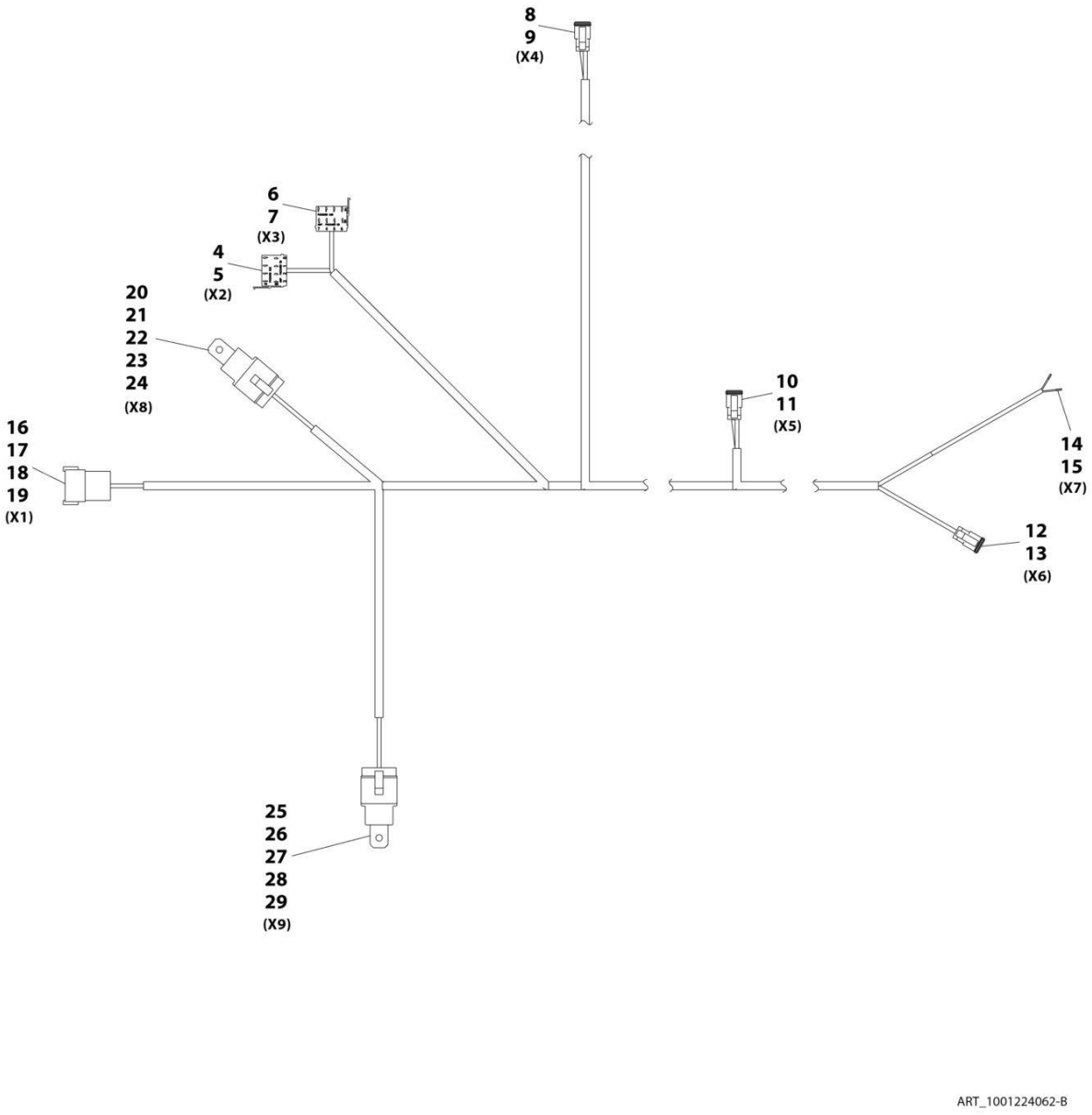
**FIGURE 10-19. LIGHTS - CAB WORK LIGHT HARNESS (G6-42A SN 0160059453 to Present; G9-43A SN 0160059453 to Present; G10-43A SN 0160058678 to Present)**



## FIGURE 10-19. LIGHTS - CAB WORK LIGHT HARNESS (G6-42A SN 0160059453 to Present; G9-43A SN 0160059453 to Present; G10-43A SN 0160058678 to Present)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001158896 | Ref | CAB WORK LIGHT HARNESS, (if equipped) (no longer available, see items 1 thru 12 for service or 1001224062 for replacement) | B |
| 1 | 91503105 | 1 | CONNECTOR | |
| 2 | 8220525 | 1 | LOCK | |
| 3 | 77363229 | 4 | TERMINAL | |
| 4 | 4460942 | 2 | TERMINAL | |
| 5 | 4460466 | 2 | TERMINAL, SEALING PLUG | |
| 6 | 7026439 | 1 | HOUSING | |
| 7 | 1001118384 | 5 | TERMINAL | |
| 8 | 7026439 | 1 | HOUSING | |
| 9 | 1001118384 | 3 | TERMINAL | |
| 10 | 7026408 | 3 | CONNECTOR | |
| 11 | 80604018 | 1 | WEDGELOCK | |
| 12 | 80463058 | 2 | TERMINAL | |

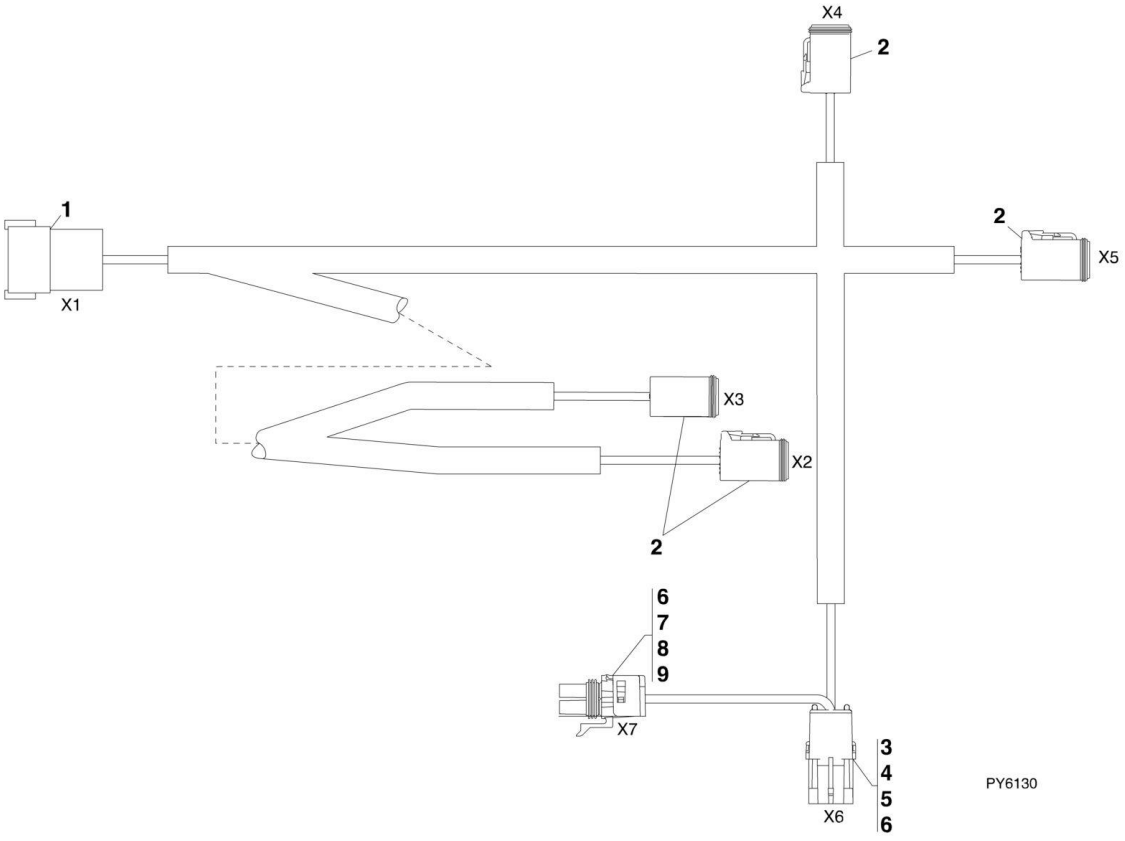
## FIGURE 10-20. LIGHTS - CAB WORK LIGHT HARNESS



## FIGURE 10-20. LIGHTS - CAB WORK LIGHT HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001224062 | 1 | CAB WORK LIGHT HARNESS, (if equipped) | B |
| 4 | 8220904 | 1 | CONNECTOR | |
| 5 | 1001118384 | 5 | TERMINAL | |
| 6 | 8220904 | 1 | CONNECTOR | |
| 7 | 1001118384 | 3 | TERMINAL | |
| 8 | 4460891 | 1 | CONNECTOR | |
| 9 | 4460942 | 2 | TERMINAL | |
| 10 | 4460891 | 1 | CONNECTOR | |
| 11 | 4460942 | 2 | TERMINAL | |
| 12 | 4460891 | 1 | CONNECTOR | |
| 13 | 4460942 | 2 | TERMINAL | |
| 14 | 4460458 | 1 | SEAL | |
| 15 | 4460746 | 2 | TERMINAL | |
| 16 | 4460931 | 1 | CONNECTOR | |
| 17 | 4460941 | 5 | TERMINAL | |
| 18 | 1001157891 | 1 | TERMINAL | |
| 19 | 4460466 | 2 | PLUG | |
| 20 | 1001120851 | 1 | CONNECTOR | |
| 21 | 3740080 | 1 | RELAY | |
| 22 | 1001116733 | 2 | TERMINAL | |
| 23 | 1001116734 | 2 | TERMINAL | |
| 24 | 1001128128 | 1 | PLUG | |
| 25 | 1001120851 | 1 | CONNECTOR | |
| 26 | 3740080 | 1 | RELAY | |
| 27 | 1001116733 | 2 | TERMINAL | |
| 28 | 1001116734 | 2 | TERMINAL | |
| 29 | 1001128128 | 1 | PLUG | |

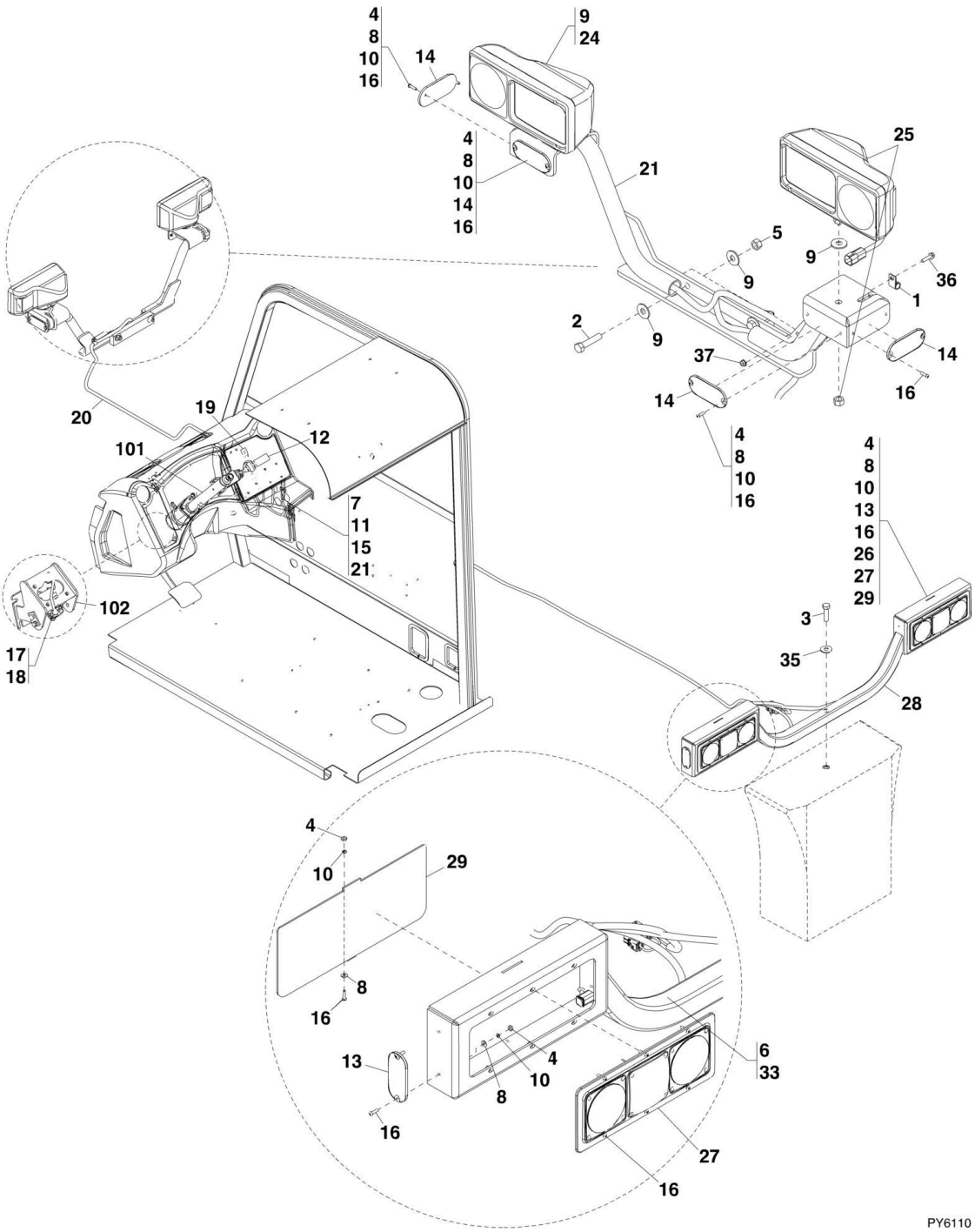
## FIGURE 10-21. LIGHTS - FRAME ROAD LIGHTS HARNESS



## FIGURE 10-21. LIGHTS - FRAME ROAD LIGHTS HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001125385 | 1 | FRAME ROAD LIGHTS HARNESS, (if equipped), (includes all items) | A |
| 1 | 91503105 | 1 | CONNECTOR | |
| 1 | 91503106 | 1 | WEDGE LOCK | |
| 2 | 7026909 | 4 | CONNECTOR | |
| 2 | 80604023 | 4 | WEDGE LOCK | |
| 3 | 80963062 | 1 | CONNECTOR | |
| 4 | 4460850 | 3 | TERMINAL | |
| 5 | 8220089 | 1 | SEAL | |
| 6 | 1001116727 | 4 | PLUG | |
| 7 | 80963061 | 1 | CONNECTOR | |
| 8 | 4460457 | 2 | TERMINAL | |
| 9 | 4460458 | 1 | SEAL | |

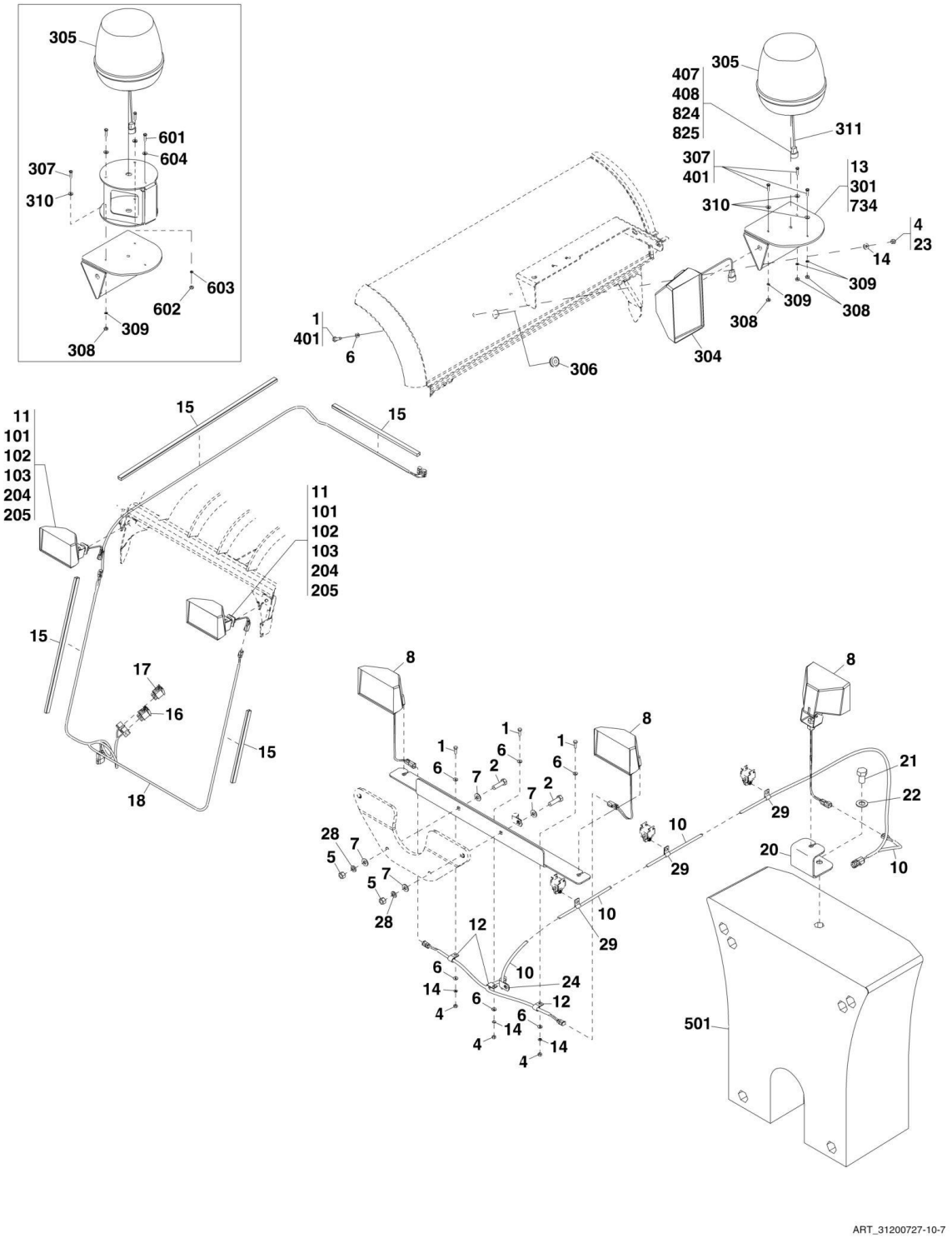
## FIGURE 10-22. LIGHTS - ROAD LIGHTS INSTALLATION



## FIGURE 10-22. LIGHTS - ROAD LIGHTS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001113091 | Ref | ROAD LIGHTS INSTALLATION, (if equipped), (not available to order, see items 1 thru 37 for service) | A, 4 |
| 1 | 85941016 | 1 | 1/2IN CLAMP | |
| 2 | 0641818 | 2 | HEX HD CAPSCREW, 1/2-13X2-1/4, GR5 | |
| 3 | 0642222 | 1 | HEX HD CAPSCREW, 3/4-10X2-3/4, GR5 | |
| 4 | 3311001 | 26 | HEX NUT, 10-24, GR2 | |
| 5 | 3311805 | 2 | HEX LOCKNUT, 1/2-13, GR2 | |
| 6 | 3941506 | 2 | SELF-TAPPING MACHINE SCREW, 5/16X3/4 | |
| 7 | 4461254 | 1 | CONNECTOR | |
| 8 | 4711000 | 28 | WASHER, 10 | |
| 9 | 4751800 | 6 | WASHER, 1/2 | |
| 10 | 4761000 | 26 | LOCKWASHER, 10 | |
| 11 | 8220050 | 1 | CONNECTOR | |
| 12 | 8223073 | 1 | TURN SIGNAL SELECTOR | |
| 13 | 10718991 | 2 | RED REFLECTOR | |
| 14 | 10718992 | 4 | YELLOW REFLECTOR | |
| 15 | 80983168 | 1 | FLASHER,VARIABLE LOAD | |
| 16 | 88261010 | 26 | BUTTON HD CAPSCREW, 10-24X3/4 | |
| 17 | 91143117 | 1 | STOPLIGHT SWITCH | |
| 18 | 91511127 | 1 | STOPLIGHT SWITCH MOUNTING TAB | |
| 19 | 1001090459 | 1 | HAZARD SWITCH | |
| 20 | | Ref | FRAME ROAD LIGHTS HARNESS, (See FRAME ROAD LIGHTS HARNESS for Breakdown) | |
| 21 | | Ref | CAB ROAD LIGHTS HARNESS, (See CAB ROAD LIGHTS HARNESS for Breakdown) | |
| 23 | 1001094264 | 1 | FRONT ROAD LIGHTS BRACKET | |
| 24 | 1001094390 | 1 | RH FORWARD ROAD LIGHT ASSY, (torque to 50 lb-ft/68 Nm) | |
| 25 | 1001094391 | 1 | LH FORWARD ROAD LIGHT ASSY, (torque to 50 lb-ft/68 Nm) | |
| 26 | 1001094392 | 1 | RH TAIL LIGHT ASSY | |
| 27 | 1001094393 | 1 | LH TAIL LIGHT ASSY | |
| 28 | 1001094523 | 1 | TAIL LIGHT BRACKET | |
| 29 | 1001094824 | 2 | TAIL LIGHT COVER | |
| 33 | 1320263 | 2 | 3/8IN CLAMP | |
| 35 | 4752200 | 1 | WASHER, 3/4 | |
| 36 | 0791408 | 1 | SERRATED FLANGE HEX HD CAPSCREW, 1/4-20X1 | |
| 37 | 3311408 | 1 | FLANGE NUT, 1/4-20, GRADE F | |
| 101 | | Ref | STEERING COLUMN, (See CONTROLS SECTION for Breakdown) | |
| 102 | | Ref | BRAKE PEDAL INSTALLATION, (See CONTROLS SECTION for Breakdown) | |

## FIGURE 10-23. LIGHTS - WORK LIGHTS INSTALLATION



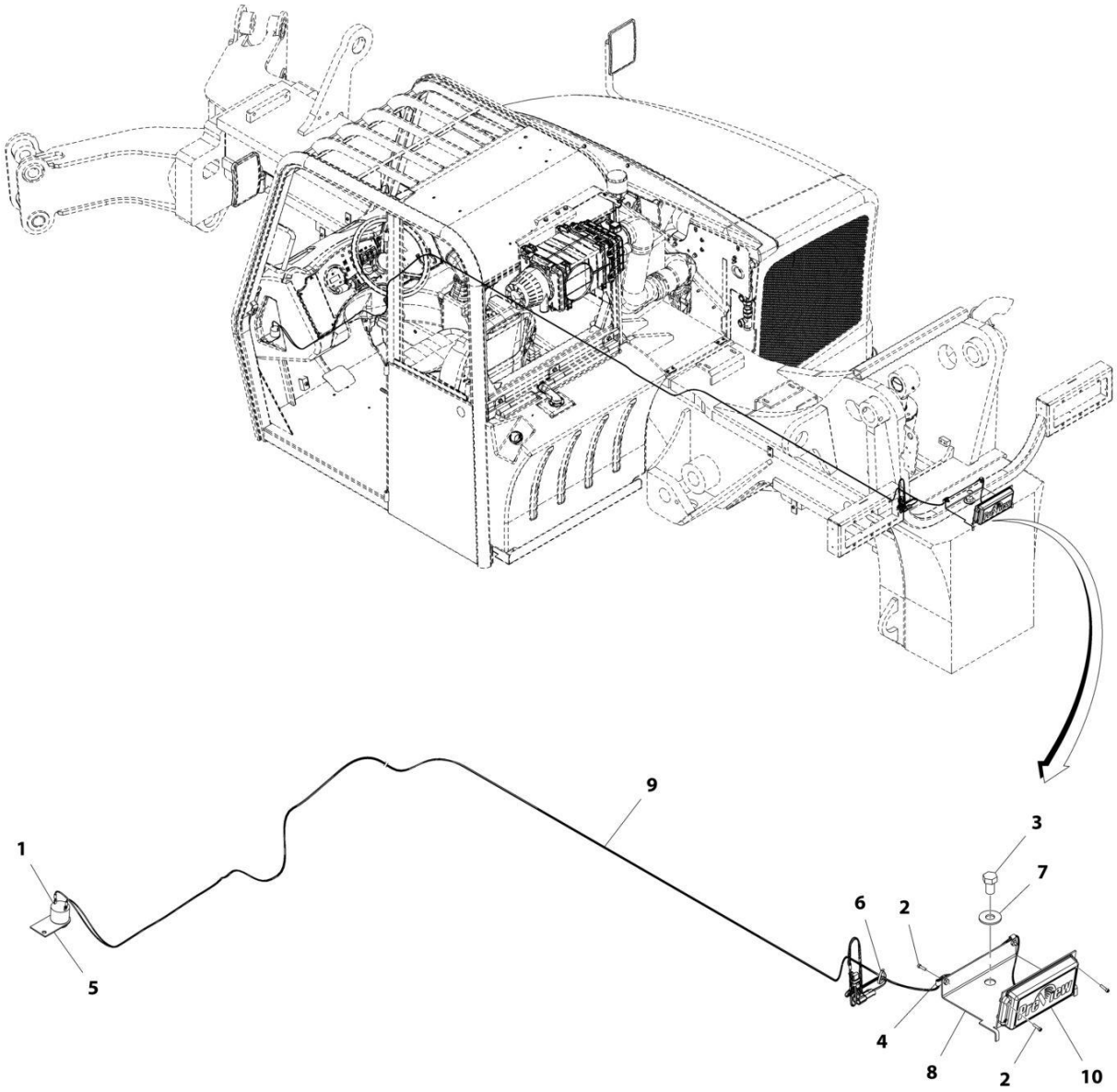
## FIGURE 10-23. LIGHTS - WORK LIGHTS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001110091 | Ref | WORK LIGHT WITH BEACON INSTALLATION, (if equipped), (not available to order, see items 1 thru 29 for service) **(G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678; SN G6 through 42A)** | C |
| | 1001162757 | Ref | WORK LIGHT WITH BEACON INSTALLATION, (if equipped), (not available to order, see items 1 thru 29 & 303 thru 306 & 734 for service) **(G6-42A SN 0160059453 to Present; G9-43A SN 0160059453 to Present; G10-43A SN 0160058678 to Present)** | B |
| | 1001114492 | Ref | BEACON LIGHT INSTALLATION, (if equipped), (not available to order, see items 1, 4, 6, 14, 15, 17, 18, 23, 301, 306 thru 310, 407 & 408 for service) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | B |
| | 1001162758 | Ref | BEACON LIGHT INSTALLATION, (if equipped), (not available to order, see items 15, 17, 18, 23, 305, 306, 824 & 825 for service) **(G6-42A SN 0160059453 to Present; G9-43A SN 0160059453 to Present; G10-43A SN 0160058678 to Present)** | B |
| 1 | 0641407 | 5 | HEX HD CAPSCREW, 1/4-20X7/8, GR5, (torque to 96 lb-ft/130 Nm), (WORK LIGHT WITH BEACON INSTALLATION) | |
| 1 | 0641407 | 2 | HEX HD CAPSCREW, 1/4-20X7/8, GR5, (torque to 96 lb-ft/130 Nm), (BEACON LIGHT INSTALLATION) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 2 | 0641814 | 2 | HEX HD CAPSCREW, 1/2-13X2-3/4, GR5, (torque to 75 lb-ft/102 Nm) (WORKLIGHT WITH BEACON INSTALLATION) | |
| 3 | 0903661 | 1 | BRACKET | |
| 4 | 3311401 | 5 | HEX NUT, 1/4-20, GR2, (WORK LIGHT WITH BEACON INSTALLATION) | |
| 4 | 3311401 | 2 | HEX NUT, 1/4-20, GR2, (BEACON LIGHT INSTALLATION) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 5 | 3311801 | 2 | HEX NUT, 1/2-13, GR2 | |
| 6 | 4711400 | 8 | WASHER, 1/4, (WORK LIGHT WITH BEACON INSTALLATION) | |
| 6 | 4711400 | 2 | WASHER, 1/4, (BEACON LIGHT INSTALLATION) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 7 | 4711800 | 8 | WASHER, 1/2 | |
| 8 | 1001095342 | 3 | LIGHT ASSY, (includes items 101 thru 103) | B |
| 10 | | Ref | BOOM WORK LIGHTS HARNESS, (See BOOM WORK LIGHTS HARNESS for Breakdown) | |
| 11 | 1001090580 | 2 | LIGHT ASSY, (includes items 101 thru 103, 204 & 205) | B |
| 12 | 1320263 | 3 | 3/8IN CLAMP | |
| 13 | 1001090581 | Ref | BEACON/WORK LIGHT INSTALLATION, (not available to order, see items 301 thru 311 for service) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | E |
| 14 | 4761400 | 5 | LOCKWASHER, 1/4, (WORK LIGHT WITH BEACON INSTALLATION) | |
| 14 | 4761400 | 2 | LOCKWASHER, 1/4, (BEACON LIGHT INSTALLATION) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 15 | 8096D097 | 7.3 ft | CONDUIT, (WORK LIGHT WITH BEACON INSTALLATION) | |
| 15 | 8096D097 | 6 ft | CONDUIT, (BEACON LIGHT INSTALLATION) | |
| 16 | | Ref | WORK LIGHT SWITCH (See CAB SWITCHES for Breakdown) | |
| 17 | | Ref | BEACON SWITCH, (See CAB SWITCHES for Breakdown) | |
| 18 | | Ref | CAB WORK LIGHT HARNESS, (See CAB WORK LIGHT HARNESS for Breakdown) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 20 | 1001090522 | 1 | BRACKET | |
| 21 | 0642210 | 1 | HEX HD CAPSCREW, 3/4-10X1-1/4, GR5 | |
| 22 | 4712200 | 1 | WASHER, 3/4 | |
| 23 | 14404173 | AR | SILICONE SEALANT | |
| 24 | 8406105 | 1 | 3/4 IN CLAMP | |
| 28 | 4761800 | 2 | LOCKWASHER, 1/2 | |
| 29 | 1320263 | 3 | 3/8 IN CLAMP | |
| 101 | 4460897 | 1 | CONNECTOR | |
| 101 | 80604017 | 1 | WEDGE LOCK | |
| 102 | 4460464 | 2 | TERMINAL | |
| 103 | 80963050 | 1 | LIGHT, (includes hardware) | |
| 103 | 80964070 | 1 | BULB | |
| 204 | 91403503 | 1 | SPACER | |
| 205 | 91413052 | 1 | BOLT | |
| 301 | 0903669 | 1 | BRACKET **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 302 | 4460897 | 2 | CONNECTOR | |
| 302 | 80604017 | 2 | WEDGE LOCK | |
| 303 | 4460464 | 2 | TERMINAL | |
| 304 | 1001099276 | 1 | LIGHT ASSY | |
| 304 | 80964070 | 1 | BULB | |
| 305 | 91343031 | 1 | BEACON LIGHT **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 305 | 8500066 | 1 | BEACON LIGHT **(G6-42A SN 0160059453 to Present; G9-43A SN 0160059453 to Present; G10-43A SN 0160058678 to Present)** | |
| 305 | 91344053 | 1 | BULB | |
| 306 | 1001090615 | 1 | GROMMET | |
| 307 | 0721006 | 3 | SCREW, 10-24X3/4 **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 308 | 3311001 | 3 | HEX NUT, 10-24, GR2 **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 309 | 4751000 | 3 | WASHER, 10 **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 310 | 4761000 | 3 | LOCKWASHER, 10 **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 311 | 2820035 | 2.3 ft | INSULATION | |
| 401 | 0100011 | AR | LOCTITE 242 **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 407 | 4460508 | 2 | TERMINAL, (BEACON LIGHT INSTALLATION) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 408 | 4461017 | 1 | CONNECTOR, (BEACON LIGHT INSTALLATION) **(G6-42A Prior to SN 0160059453; G9-43A Prior to SN 0160059453; G10-43A Prior to SN 0160058678)** | |
| 408 | N.S.S. | 1 | WEDGE LOCK, (BEACON LIGHT INSTALLATION) | |
| 501 | | Ref | COUNTERWEIGHT, (See FRAME AND ATTACHING PARTS SECTION for Breakdown) | |
| | 1001096708 | NLA | BEACON LIGHT MOUNTING INSTALLATION, (if equipped with A/C), (no longer available, use 1001162758 for replacement or items 601 through 605 for service) | A |
| 601 | 0721006 | 1 | SCREW, 10-24X3/4 | |
| 602 | 3311001 | 1 | HEX NUT, 10-24, GR2 | |
| 603 | 4751000 | 1 | WASHER, 10 | |
| 604 | 4761000 | 1 | LOCKWASHER, 10 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 605 | 1001096709 | 1 | BRACKET | |
| 734 | 1001146009 | 1 | BRACKET, WORKLIGHT (WORKLIGHT WITH BEACON INSTALLATION) | |
| 824 | 1001117021 | 1 | CONNECTOR, (BEACON LIGHT INSTALLATION) **(G6-42A SN 0160059453 to Present; G9-43A SN 0160059453 to Present; G10-43A SN 0160058678 to Present)** | |
| 825 | 8220890 | 1 | CONNECTOR LOCK | |

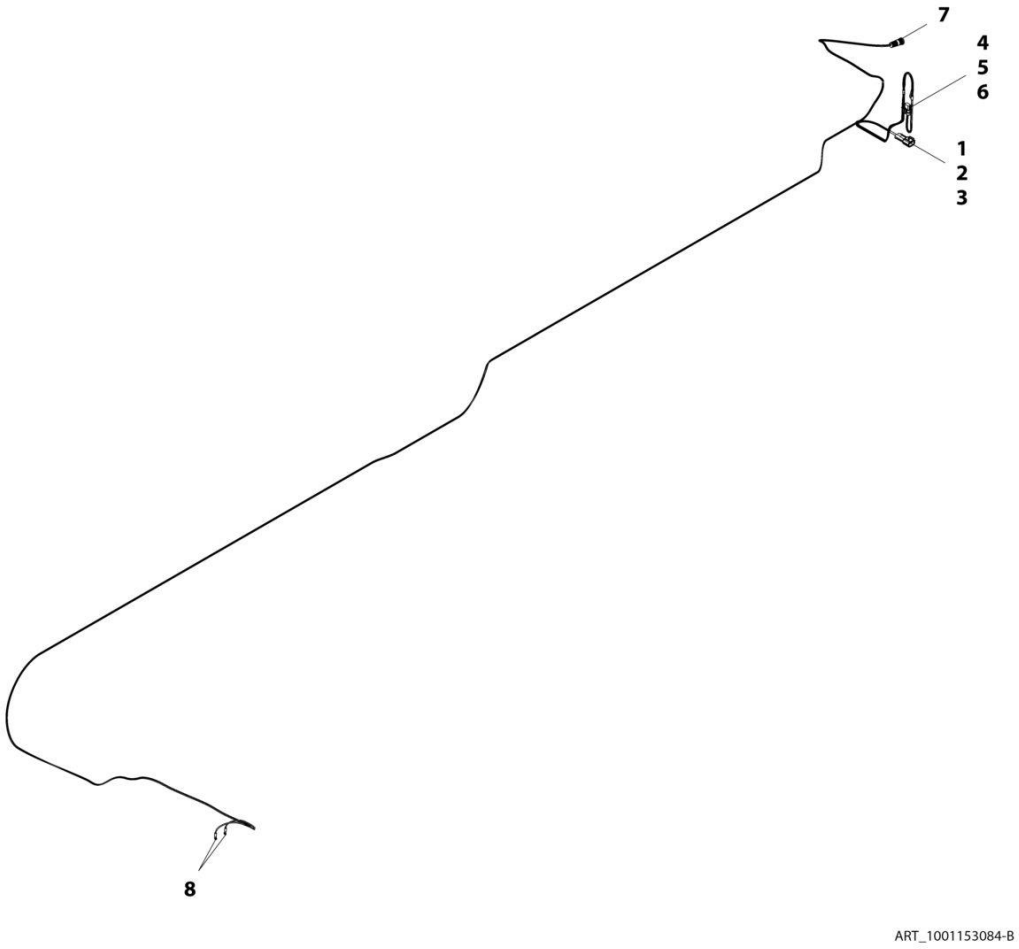
## FIGURE 10-24. REVERSE SENSOR INSTALLATION



## FIGURE 10-24. REVERSE SENSOR INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152538 | Ref | REVERSE SENSING INSTALLATION | A |
| 1 | 0140011 | 1 | ALARM DEVICE | |
| 2 | 3931012 | 6 | SOCKET HD CAPSCREW, 3/4X10-24 | |
| 3 | 0642210 | 1 | HEX HD CAPSCREW, 3/4-10X1-1/4, GR5 | |
| 4 | 1320136 | 2 | CABLE CLAMP | |
| 5 | 1001182662 | 1 | BRACKET | |
| 6 | 4240033 | AR | WIRE TIE | |
| 7 | 4752200 | 1 | WASHER, 3/4 | |
| 8 | 1001152220 | 1 | BRACKET | |
| 9 | | Ref | REVERSE SENSOR HARNESS, (See REVERSE SENSOR HARNESS for Breakdown) | |
| 10 | 1001182358 | 1 | REVERSE SENSOR CONTROL | |

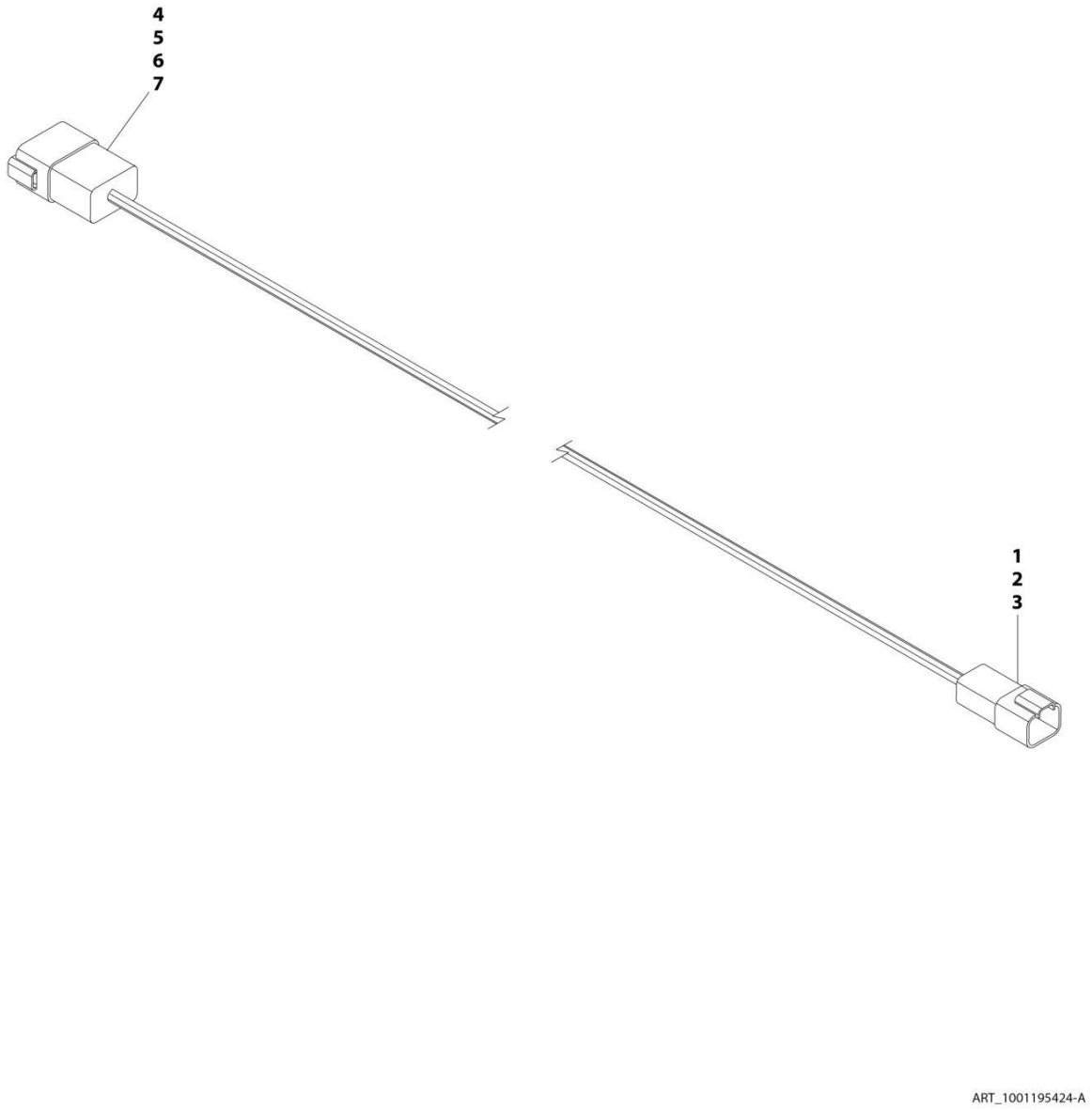
## FIGURE 10-25. REVERSE SENSOR HARNESS



## FIGURE 10-25. REVERSE SENSOR HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001153084 | Ref | REVERSE SENSOR HARNESS | B |
| 1 | 1001117021 | 1 | CONNECTOR | |
| 2 | 1001116728 | 2 | TERMINAL | |
| 3 | 4460458 | 2 | TERMINAL, SEAL | |
| 4 | 1001117026 | 1 | CONNECTOR | |
| 5 | 1001116745 | 2 | TERMINAL | |
| 6 | 4460458 | 2 | TERMINAL, SEAL | |
| 7 | 1001175733 | 1 | CONNECTOR | |
| 8 | 1001098122 | 1 | TERMINAL, RING | |
| 9 | 1001098122 | 1 | TERMINAL, RING | |

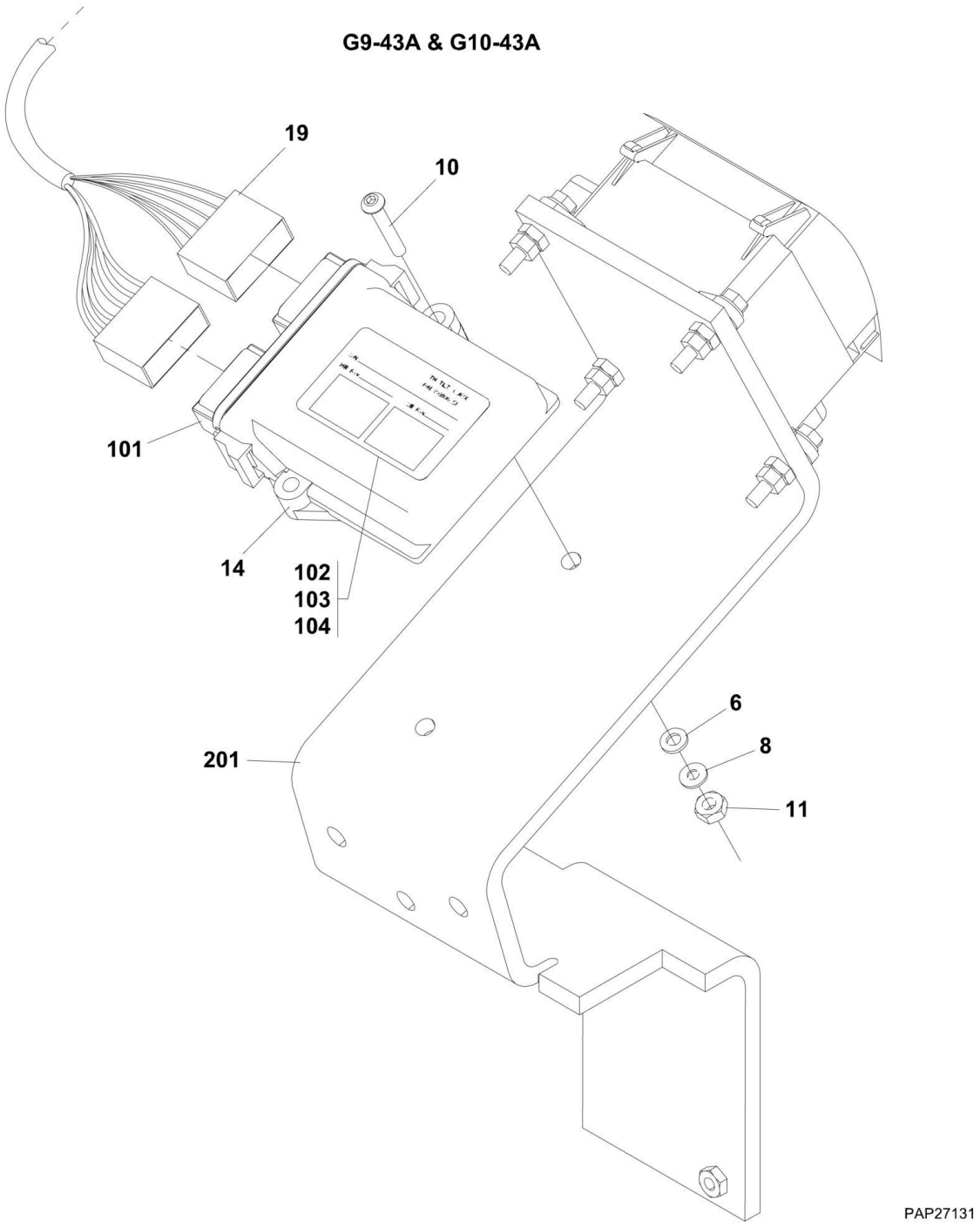
## FIGURE 10-26. TELEMATICS INSTALLATION, UNITED RENTALS



## FIGURE 10-26. TELEMATICS INSTALLATION, UNITED RENTALS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001195424 | Ref | TELEMATICS INSTALLATION, UNITED RENTALS | A |
| 1 | 4460932 | 1 | CONNECTOR | |
| 2 | 80604020 | 1 | LOCK CONNECTOR | |
| 3 | 4460464 | 4 | TERMINAL | |
| 4 | 4460931 | 1 | CONNECTOR | |
| 5 | 80604022 | 1 | LOCK CONNECTOR | |
| 6 | 4460464 | 4 | TERMINAL | |
| 7 | 4460466 | 4 | PLUG | |

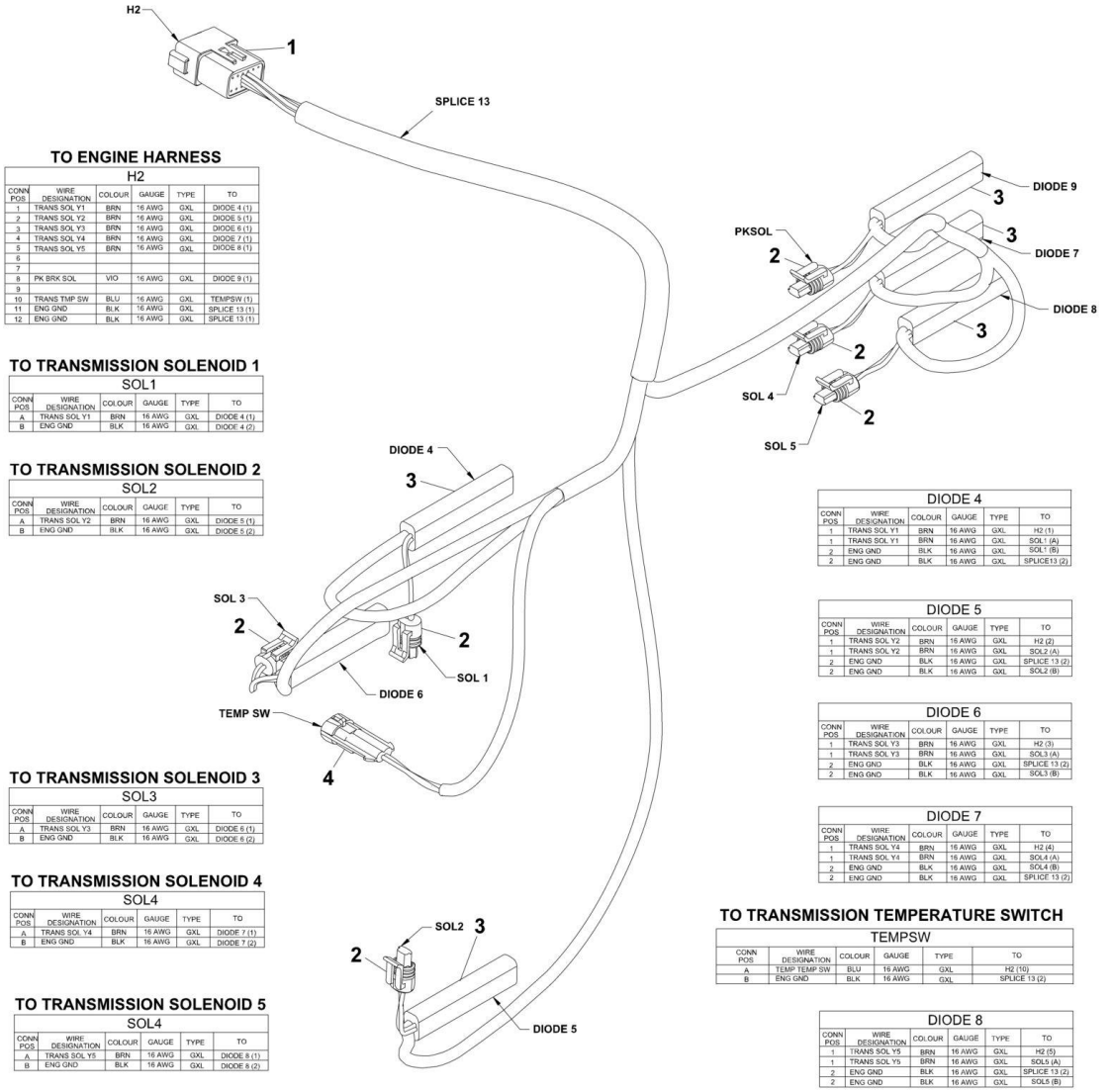
## FIGURE 10-27. TILT AND AUX CONTROL MODULE (G10-43A,G9-43A)



## FIGURE 10-27. TILT AND AUX CONTROL MODULE (G10-43A,G9-43A)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 6 | 4711400 | 2 | LOCKWASHER, 1/4 (if equipped with tilt on joystick) (G9-43A) | |
| 6 | 4711000 | 2 | WASHER, 10 (if equipped with outrigger) (G10-43A) | |
| 8 | 4761400 | 2 | LOCKWASHER, 1/4 | |
| 10 | 8310722 | 2 | BUTTON HD CAPSCREW, 1/4-20X1-1/2 | |
| 11 | 10701506 | 2 | HEX NUT, 1/4-20 | |
| 14 | 1001106351 | 1 | TILT AND AUX CONTROL MODULE, (includes items 101 thru 104) | G |
| 19 | | Ref | ACCESSORY MODULE HARNESS, (See ACCESSORY MODULE HARNESS for Breakdown) | |
| 101 | 1001106352 | NLA | ACCESSORY MODULE PC BOARD, (no longer available, use 1001221933 for replacement) | |
| 101 | 1001221933 | 1 | ACCESSORY MODULE PC BOARD | |
| 101 | 4460909 | 1 | MATING CONNECTOR | |
| 101 | 4460908 | 1 | MATING CONNECTOR | |
| 101 | 4460928 | 2 | TERMINAL | |
| 101 | 4460916 | 2 | PLUG | |
| 102 | 0861493 | 1 | CIRCUIT CARD BOX | |
| 103 | 1001106353 | 1 | TILT AND AUX DECAL | |
| 104 | 1001106354 | 1 | SOFTWARE | |
| 201 | | Ref | ACCELERATOR BRACKET, (See CONTROLS SECTION for Breakdown) | |

## FIGURE 10-28. TRANSMISSION HARNESS




**TO ENGINE HARNESS**

H2

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| 1 | TRANS SOL Y1 | BRN | 16 AWG | GXL | DIODE 4 (1) |
| 2 | TRANS SOL Y2 | BRN | 16 AWG | GXL | DIODE 5 (1) |
| 3 | TRANS SOL Y3 | BRN | 16 AWG | GXL | DIODE 6 (1) |
| 4 | TRANS SOL Y4 | BRN | 16 AWG | GXL | DIODE 7 (1) |
| 5 | TRANS SOL Y5 | BRN | 16 AWG | GXL | DIODE 8 (1) |
| 6 | | | | | |
| 7 | | | | | |
| 8 | PK BRK SOL | VIO | 16 AWG | GXL | DIODE 9 (1) |
| 9 | | | | | |
| 10 | TRANS TMP SW | BLU | 16 AWG | GXL | TEMPSW (1) |
| 11 | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (1) |
| 12 | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (1) |

**TO TRANSMISSION SOLENOID 1**

SOL1

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| A | TRANS SOL Y1 | BRN | 16 AWG | GXL | DIODE 4 (1) |
| B | ENG GND | BLK | 16 AWG | GXL | DIODE 4 (2) |

**TO TRANSMISSION SOLENOID 2**

SOL2

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| A | TRANS SOL Y2 | BRN | 16 AWG | GXL | DIODE 5 (1) |
| B | ENG GND | BLK | 16 AWG | GXL | DIODE 5 (2) |

**TO TRANSMISSION SOLENOID 3**

SOL3

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| A | TRANS SOL Y3 | BRN | 16 AWG | GXL | DIODE 6 (1) |
| B | ENG GND | BLK | 16 AWG | GXL | DIODE 6 (2) |

**TO TRANSMISSION SOLENOID 4**

SOL4

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| A | TRANS SOL Y4 | BRN | 16 AWG | GXL | DIODE 7 (1) |
| B | ENG GND | BLK | 16 AWG | GXL | DIODE 7 (2) |

**TO TRANSMISSION SOLENOID 5**

SOL4

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| A | TRANS SOL Y5 | BRN | 16 AWG | GXL | DIODE 8 (1) |
| B | ENG GND | BLK | 16 AWG | GXL | DIODE 8 (2) |

**TO PARK BRAKE SOLENOID**

PKSOL

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| A | PK BRK SOL | VIO | 16 AWG | GXL | DIODE 9 (1) |
| B | ENG GND | BLK | 16 AWG | GXL | DIODE 9 (2) |

DIODE 4

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| 1 | TRANS SOL Y1 | BRN | 16 AWG | GXL | H2 (1) |
| 1 | TRANS SOL Y1 | BRN | 16 AWG | GXL | SOL1 (A) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SOL1 (B) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SPLICE13 (2) |

DIODE 5

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| 1 | TRANS SOL Y2 | BRN | 16 AWG | GXL | H2 (2) |
| 1 | TRANS SOL Y2 | BRN | 16 AWG | GXL | SOL2 (A) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (2) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SOL2 (B) |

DIODE 6

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| 1 | TRANS SOL Y3 | BRN | 16 AWG | GXL | H2 (3) |
| 1 | TRANS SOL Y3 | BRN | 16 AWG | GXL | SOL3 (A) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (2) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SOL3 (B) |

DIODE 7

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| 1 | TRANS SOL Y4 | BRN | 16 AWG | GXL | H2 (4) |
| 1 | TRANS SOL Y4 | BRN | 16 AWG | GXL | SOL4 (A) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SOL4 (B) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (7) |

**TO TRANSMISSION TEMPERATURE SWITCH**

TEMPSW

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| A | TEMP TEMP SW | BLU | 16 AWG | GXL | H2 (10) |
| B | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (2) |

DIODE 8

| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| 1 | TRANS SOL Y5 | BRN | 16 AWG | GXL | H2 (5) |
| 1 | TRANS SOL Y5 | BRN | 16 AWG | GXL | SOL5 (A) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (2) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SOL5 (B) |

DIODE 9

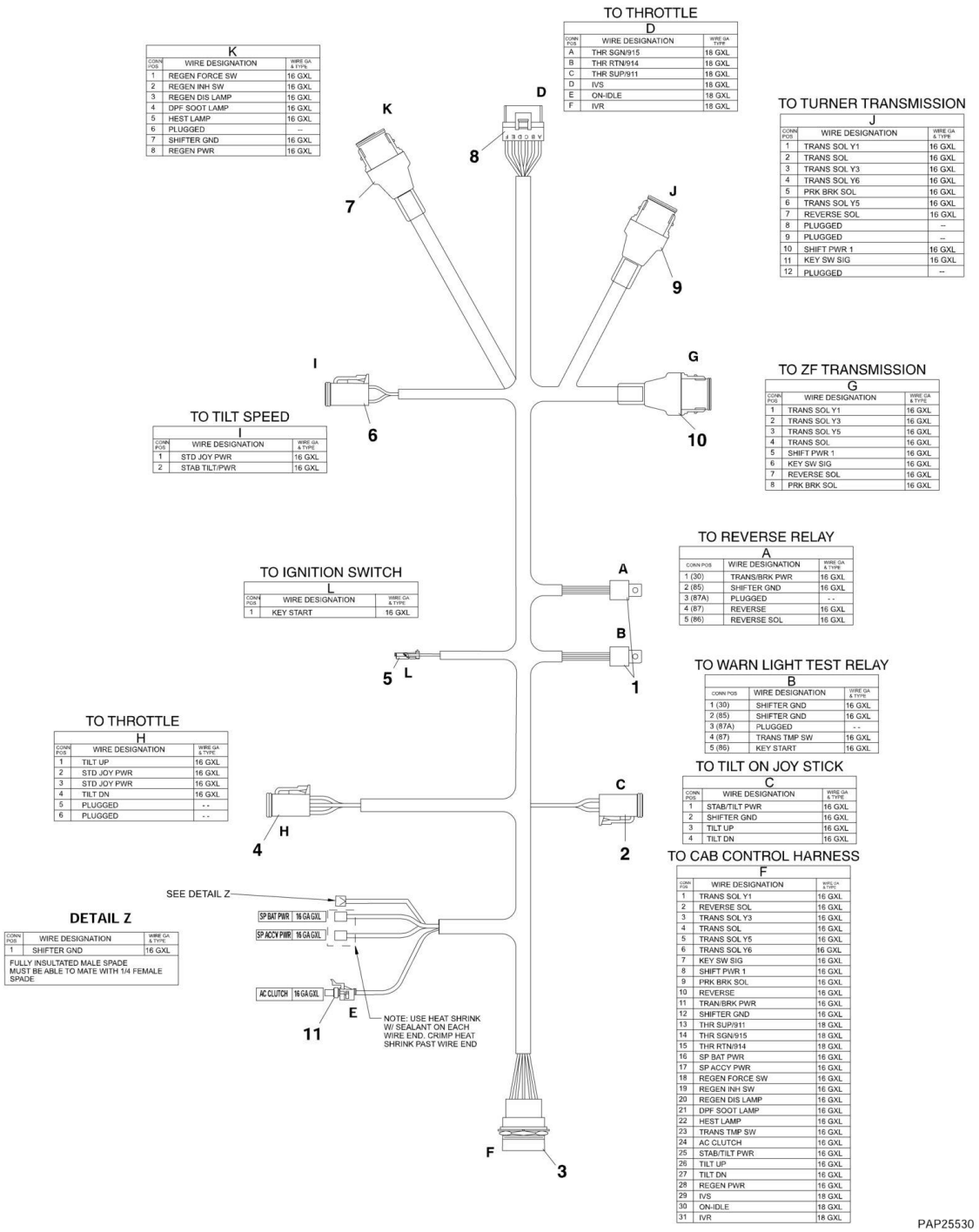
| CONN POS | WIRE DESIGNATION | COLOUR | GAUGE | TYPE | TO |
|---|---|---|---|---|---|
| 1 | PK BRK SOL | VIO | 16 AWG | GXL | H2 (8) |
| 1 | PK BRK SOL | VIO | 16 AWG | GXL | PKSOL (A) |
| 2 | ENG GND | BLK | 16 AWG | GXL | SPLICE 13 (2) |
| 2 | ENG GND | BLK | 16 AWG | GXL | PKSOL (B) |

PAP25860

## FIGURE 10-28. TRANSMISSION HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001115528 | 1 | TRANSMISSION HARNESS, (includes all items) | C |
| 1 | 4460970 | 1 | FEMALE RECEPTACLE, (includes rear seal) | |
| 1 | 80363179 | 1 | SECONDARY WEDGE LOCK | |
| 1 | 4460465 | 9 | TERMINAL | |
| 1 | 4460466 | 3 | PLUG | |
| 2 | 4460955 | 6 | CONNECTOR | |
| 2 | 1001116748 | 2 | TERMINAL | |
| 3 | 91363021 | 6 | MOLDED DIODE | |
| 4 | 1001117073 | 1 | CONNECTOR | |
| 4 | 70022741 | 1 | WEDGE LOCK | |

## FIGURE 10-29. TRANSMISSION RELAY HARNESS



## FIGURE 10-29. TRANSMISSION RELAY HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001140233 | 1 | TRANSMISSION RELAY HARNESS, (includes all items) | D |
| 1 | 3740080 | 2 | RELAY | |
| 1 | 1001118282 | 1 | METRI-PACK RELAY | |
| 1 | 1001116733 | 4 | TERMINAL | |
| 1 | 1001128128 | 1 | PLUG | |
| 2 | 4460884 | 1 | CONNECTOR | |
| 2 | 80604021 | 1 | CONNECTOR LOCK | |
| 2 | 4460465 | 4 | TERMINAL | |
| 3 | 4460503 | 1 | CONNECTOR | |
| 3 | 4460464 | 31 | TERMINAL | |
| 3 | 83481286 | 1 | NUT | |
| 3 | 83481285 | 1 | LOCKWASHER | |
| 4 | 91504088 | 1 | CONNECTOR | |
| 4 | 91504107 | 1 | CONNECTOR LOCK | |
| 4 | 77363229 | 4 | CONTACT | |
| 4 | 4460466 | 2 | PLUG | |
| 5 | 80963055 | 1 | CONNECTOR | |
| 5 | 4460457 | 1 | TERMINAL | |
| 5 | 77394009 | 1 | CABLE SEAL, RED | |
| 6 | 7026408 | 1 | CONNECTOR | |
| 6 | 80604018 | 1 | CONNECTOR LOCK | |
| 6 | 77363229 | 2 | CONTACT | |
| 7 | 4460851 | 1 | CONNECTOR | |
| 7 | 80604025 | 1 | WEDGE LOCK | |
| 7 | 77363229 | 7 | CONTACT | |
| 7 | 4460466 | 1 | PLUG | |
| 7 | 70020870 | 1 | BOOT | |
| 8 | 1001230931 | 1 | CONNECTOR | |
| 8 | 1001116748 | 6 | TERMINAL | |
| 9 | 80604016 | 1 | WEDGE LOCK | |
| 9 | 4460465 | 9 | TERMINAL | |
| 9 | 4460930 | 1 | CONNECTOR | |
| 9 | 80604025 | 1 | WEDGE LOCK | |
| 10 | 4460930 | 1 | CONNECTOR | |
| 10 | 80604025 | 1 | WEDGE LOCK | |
| 10 | 4460465 | 1 | TERMINAL | |
| 10 | 70020870 | 1 | BOOT | |
| 11 | 80963055 | 1 | CONNECTOR | |
| 11 | 80963068 | 1 | TERMINAL | |
| 11 | 80963065 | 1 | CABLE SEAL | |

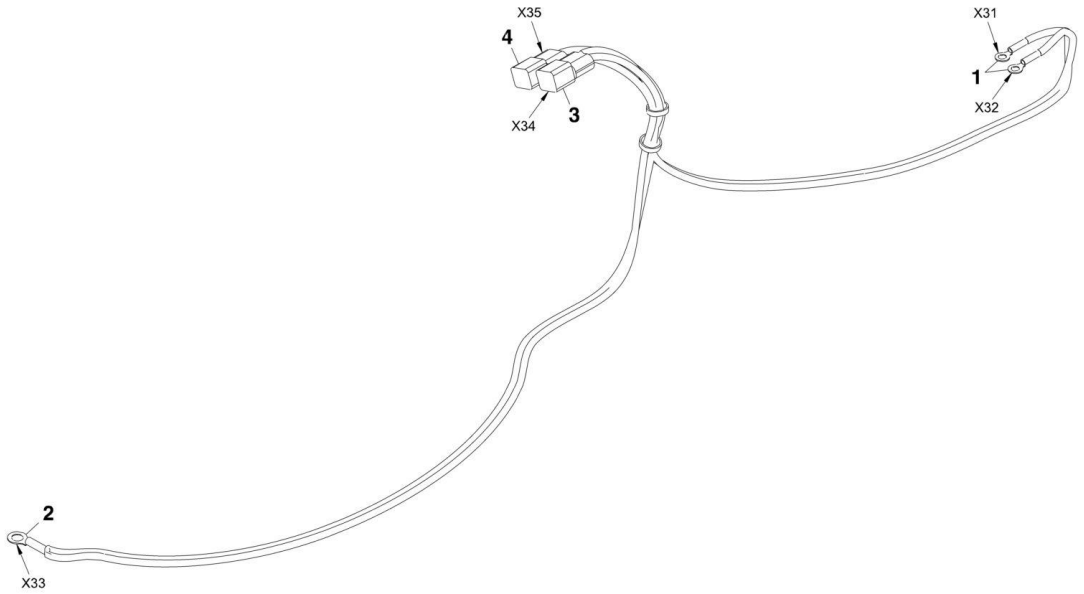
## FIGURE 10-30. VEC HARNESS

X31

| CONN POS | WIRE COLOR | WIRE LABEL | GAUGE |
|---|---|---|---|
| 1 | RED | VEC PWR | 8 AWG |

X32

| CONN POS | WIRE COLOR | WIRE LABEL | GAUGE |
|---|---|---|---|
| 1 | RED | VEC PWR | 8 AWG |




X33

| CONN POS | WIRE COLOR | WIRE LABEL | GAUGE |
|---|---|---|---|
| 1 | BLK | VEC GND | 8 AWG |
| 1 | BLK | VEC GND | 8 AWG |

X34

| CONN POS | WIRE COLOR | WIRE LABEL | GAUGE |
|---|---|---|---|
| 1 | RED | VEC PWR | 8 AWG |
| 2 | RED | VEC PWR | 8 AWG |

X35

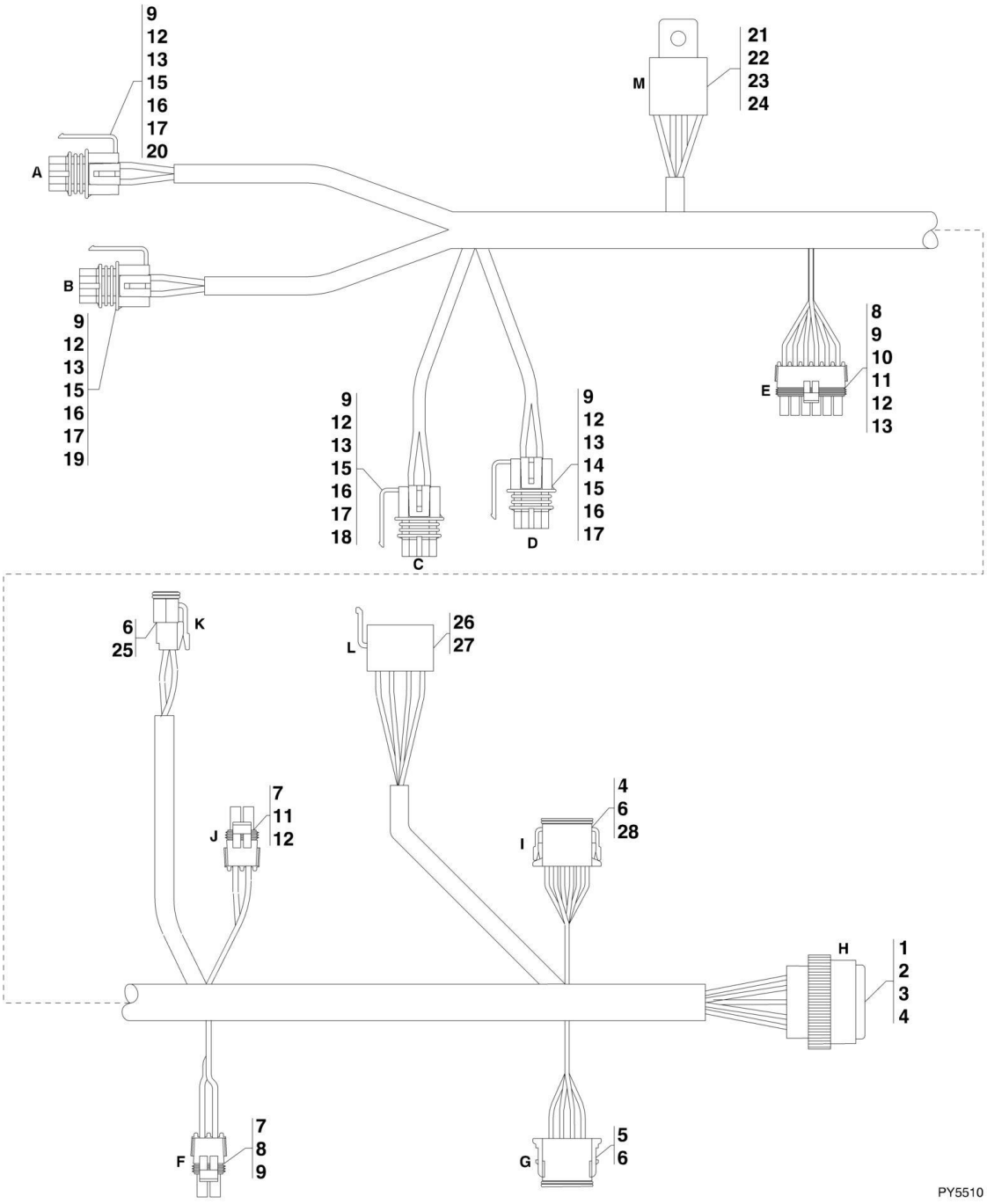
| CONN POS | WIRE COLOR | WIRE LABEL | GAUGE |
|---|---|---|---|
| 1 | BLK | VEC GND | 8 AWG |
| 2 | BLK | VEC GND | 8 AWG |

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## FIGURE 10-30. VEC HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001131891 | 1 | VEC HARNESS, (includes all items) | C |
| 1 | 1001117106 | 2 | RING TERMINAL | |
| 2 | 1001117112 | 1 | RING TERMINAL | |
| 3 | 1001117104 | 1 | POSITIVE VEC CONNECTOR | |
| 4 | 1001117103 | 1 | NEGATIVE VEC CONNECTOR | |

## FIGURE 10-31. VEC OPTIONS HARNESS



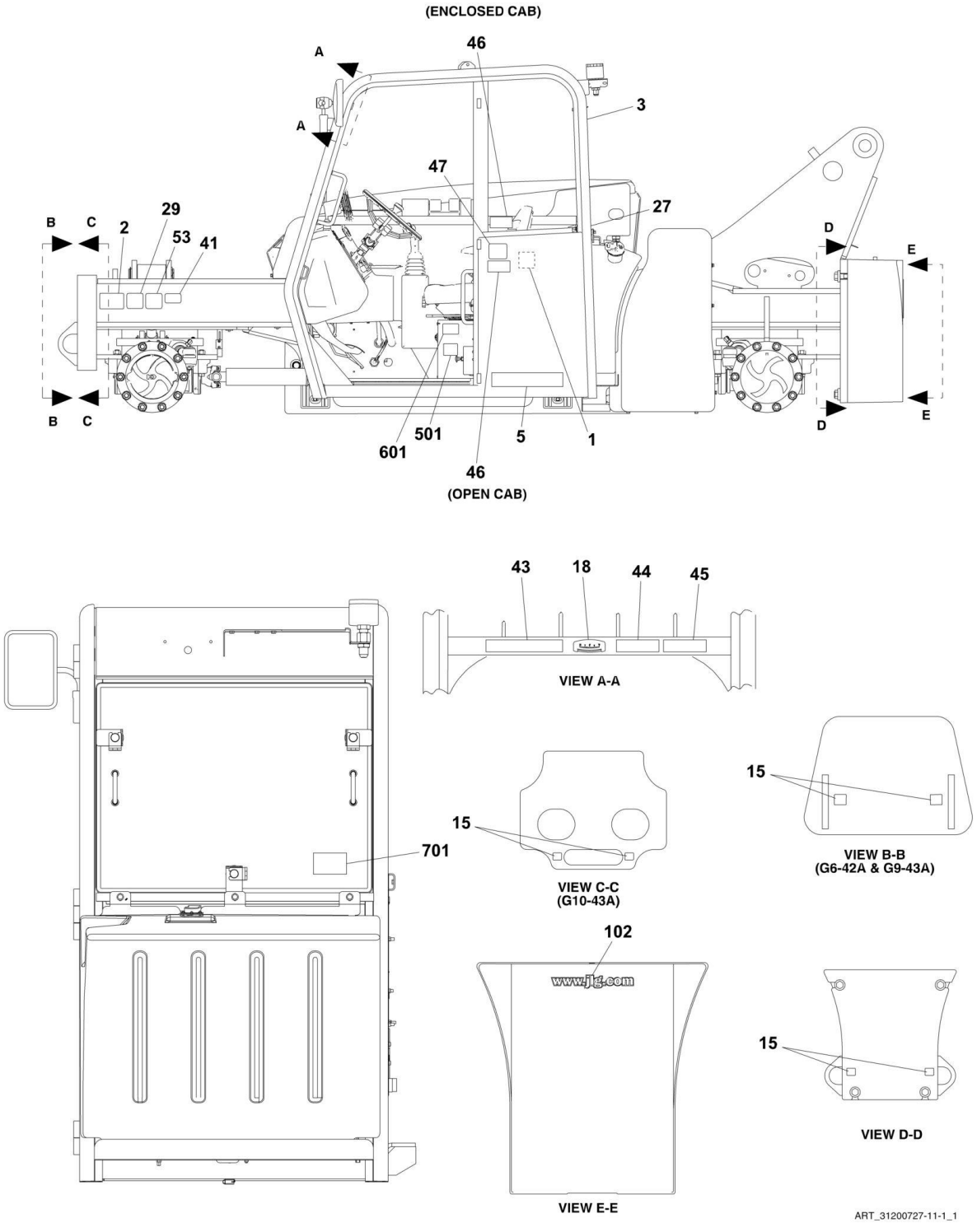
## FIGURE 10-31. VEC OPTIONS HARNESS

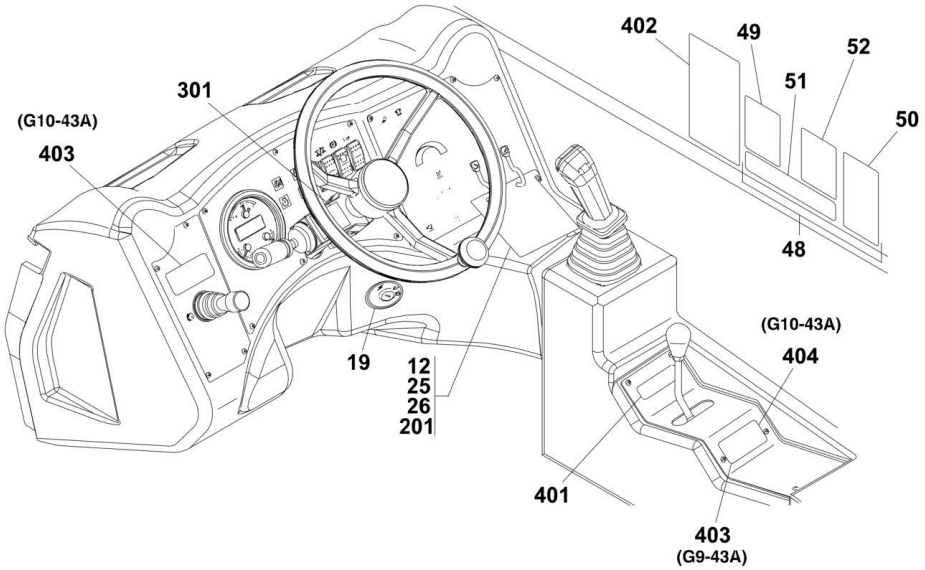
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001112039 | 1 | VEC BOX HARNESS, (includes all items) | E |
| 1 | 91504089 | 1 | CONNECTOR | |
| 2 | 4460464 | 1 | CONTACT | |
| 3 | 4460508 | 1 | CONTACT | |
| 4 | 4460466 | 1 | PLUG | |
| 5 | 4460930 | 1 | CONNECTOR | |
| 5 | 80604025 | 1 | WEDGE LOCK | |
| 6 | 4460465 | 2 | TERMINAL | |
| 7 | 4460742 | 2 | CONNECTOR | |
| 8 | 4460790 | 2 | TERMINAL | |
| 9 | 8220089 | 6 | SEAL | |
| 10 | 4460461 | 1 | CONNECTOR | |
| 11 | 4460457 | 2 | TERMINAL | |
| 12 | 4460458 | 4 | SEAL | |
| 13 | 1001116727 | 3 | PLUG | |
| 14 | 80484081 | 1 | GREEN CONNECTOR | |
| 15 | 7026414 | 4 | CONNECTOR LOCK | |
| 16 | 4460746 | 4 | TERMINAL | |
| 17 | 1001116747 | 4 | TERMINAL | |
| 18 | 80484084 | 1 | BLUE CONNECTOR | |
| 19 | 80484085 | 1 | GRAY CONNECTOR | |
| 20 | 1001121557 | NLA | BLACK CONNECTOR (no longer available, use 80484086 for replacement) | |
| 20 | 80484086 | 1 | BLACK CONNECTOR | |
| 21 | 1001118282 | 1 | CONNECTOR, (includes item 22) | |
| 22 | 3740080 | 1 | RELAY | |
| 23 | 1001116733 | 1 | TERMINAL | |
| 24 | 91554023 | 1 | PLUG | |
| 25 | 4460891 | 1 | CONNECTOR | |
| 25 | 80604018 | 1 | WEDGE LOCK | |
| 26 | 7026439 | 1 | HOUSING | |
| 27 | 4460419 | 1 | TERMINAL | |
| 28 | 4460933 | 1 | CONNECTOR | |
| 28 | 80604016 | 1 | WEDGE LOCK | |

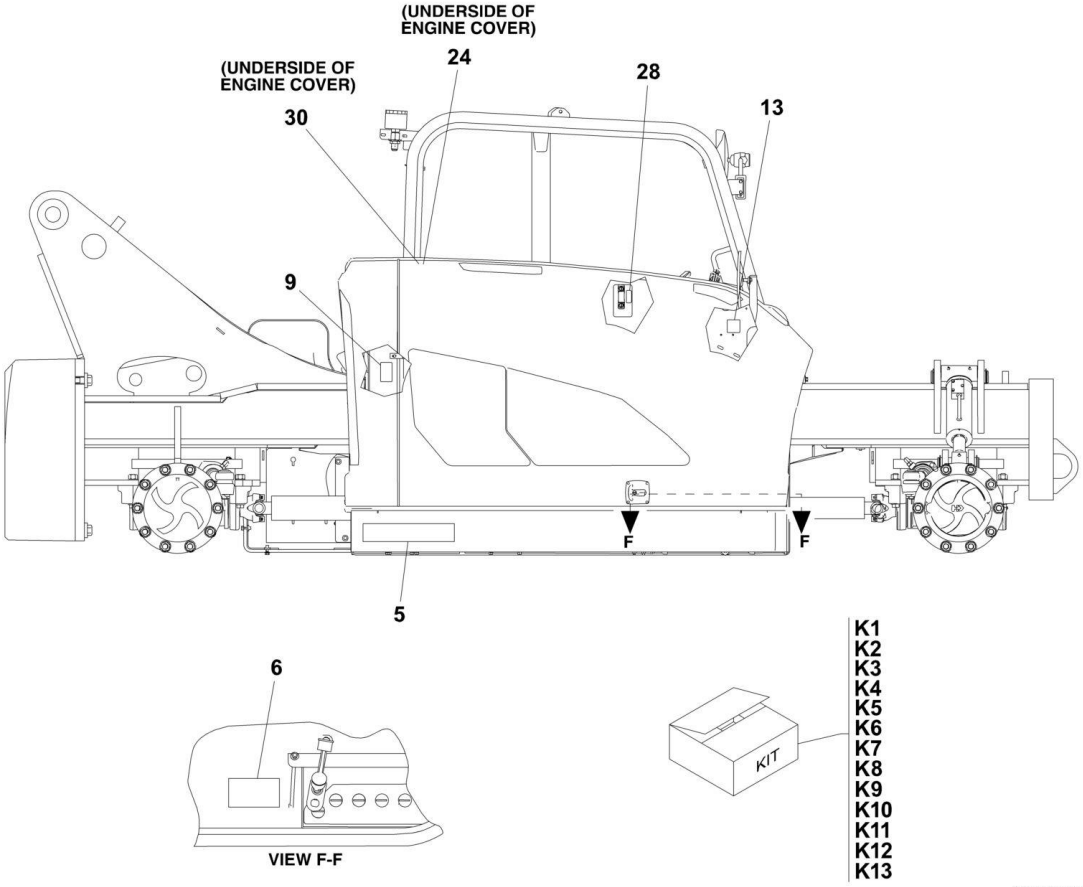
# SECTION 11 - DECALS

# SECTION 11 - DECALS

## FIGURE 11-1. CAB AND FRAME DECALS






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# SECTION 11 - DECALS

## FIGURE 11-1. CAB AND FRAME DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139899 | Ref | DECAL INSTALLATION, (G6-42A), (ANSI), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (G6-42A) | G |
| | 1001139900 | Ref | DECAL INSTALLATION, (G6-42A), (ISO), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (G6-42A) | H |
| | 1001163586 | Ref | DECAL INSTALLATION, (G6-42A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services) | B |
| | 1001139867 | Ref | DECAL INSTALLATION, (G9-43A), (ANSI), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (G9-43A) | G |
| | 1001139868 | Ref | DECAL INSTALLATION, (G9-43A), (ISO), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (G9-43A) | H |
| | 1001163581 | Ref | DECAL INSTALLATION, (G9-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services) | B |
| | 1001139869 | Ref | DECAL INSTALLATION, (G10-43A), (ANSI), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (G10-43A) | G |
| | 1001139870 | Ref | DECAL INSTALLATION, (G10-43A), (ISO), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (G10-43A) | I |
| | 1001163582 | Ref | DECAL INSTALLATION, (G10-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services) | B |
| 1 | 1701640 | 1 | MANUAL DECAL | |
| 2 | N.S.S. | 1 | SN PLATE | |
| 3 | 1706300 | 1 | ETHER START WARNING DECAL, (ANSI) | |
| 3 | 1706098 | 1 | ETHER START WARNING DECAL, (ISO) | |
| 3 | 1001163212 | 1 | ETHER START WARNING DECAL, (ENGILISH\FRENCH) | |
| 5 | 1706189 | 2 | DECAL G6-42A (G6-42A) | |
| 5 | 1706188 | 2 | DECAL G9-43A (G9-43A) | |
| 5 | 1001112770 | 2 | DECAL G10-43A (G10-43A) | |
| 6 | 1706296 | 1 | BATTERY DECAL, (ANSI) | |
| 6 | 1706281 | 1 | BATTERY DECAL, (ISO) | |
| 6 | 1001163174 | 1 | BATTERY DECAL, (ENGILISH\FRENCH) | |
| 9 | 1706301 | 1 | ROTATING PARTS DECAL, (ANSI) | |
| 9 | 1706285 | 1 | ROTATING PARTS DECAL, (ISO) | |
| 9 | 1001163222 | 1 | ROTATING PARTS DECAL, (ENGILISH\FRENCH) | |
| 12 | 1001130920 | 1 | MAINTENANCE CHART DECAL | |
| 13 | 4100181 | 1 | HYDRAULIC OIL FILL DECAL | |
| 15 | 1702300 | 4 | TIE DOWN DECAL | |
| 18 | 8466306 | 1 | TILT ANGLE GAUGE | |
| 19 | 91413061 | 1 | IGNITION SWITCH DECAL | |
| 24 | 1001109053 | 1 | COOLANT FILL DECAL | |
| 25 | 1001130782 | 1 | LUBRICATION CHART DECAL, (G6-42A & G9-43A) (G6-42A,G9-43A) | |
| 25 | 1001130792 | 1 | LUBRICATION CHART DECAL, (G10-43A) (G10-43A) | |
| 26 | 1001130802 | 1 | MAINTENANCE CHART DECAL | |
| 27 | 1001125387 | 1 | ULTRA LOW SULFUR FUEL DECAL, (ANSI) | |
| 27 | 1001139654 | 1 | ULTRA LOW SULFUR FUEL DECAL, (ISO) | |
| 27 | 1001163355 | 1 | ULTRA LOW SULFUR FUEL DECAL, (ENGILISH\FRENCH) | |

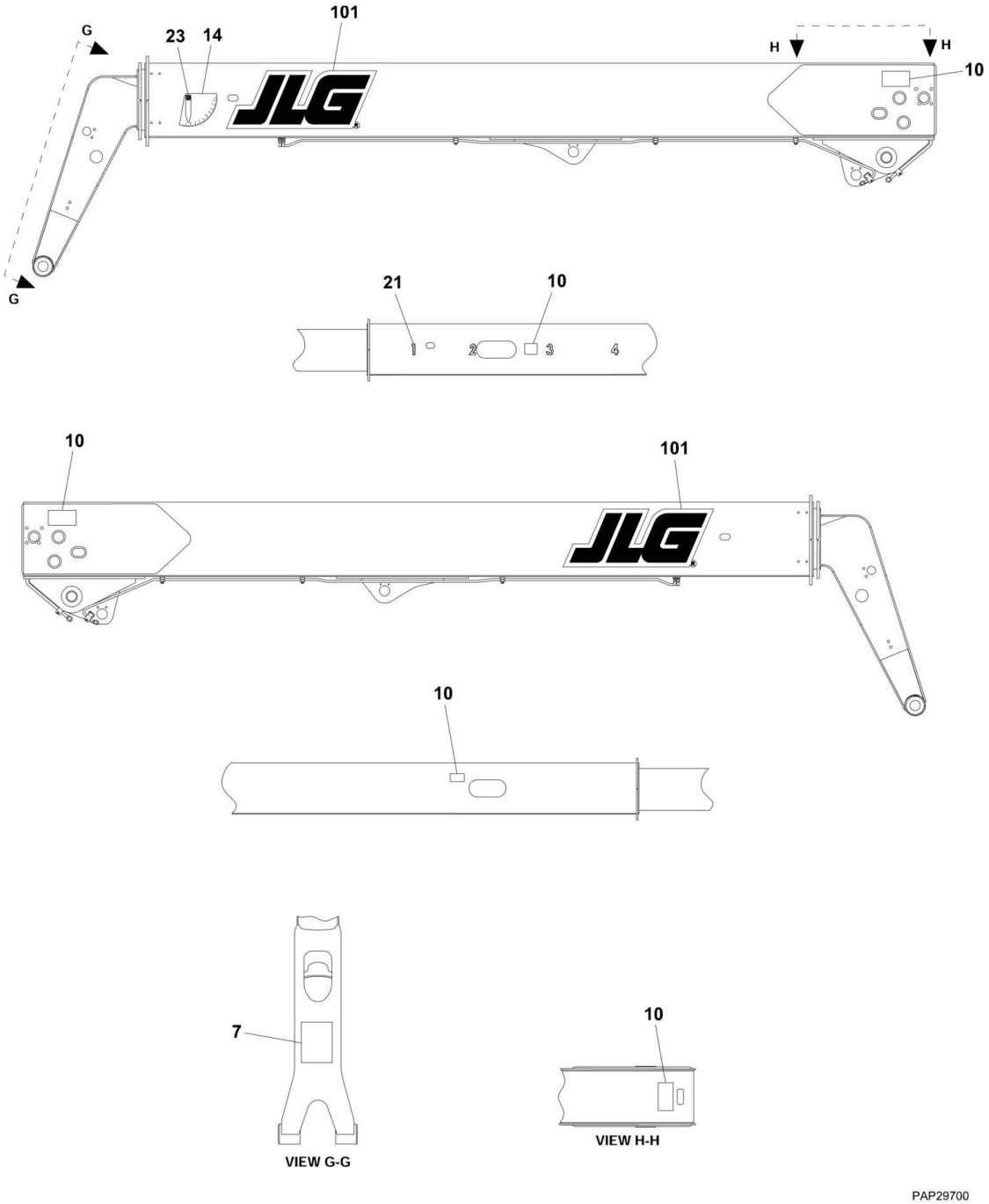
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 28 | 91563220 | 1 | OIL LEVEL DECAL | |
| 29 | 1001131271 | 1 | TELEHANDLERS PATENT DECAL | |
| 30 | 1001139578 | 1 | HOT FLUID WARNING DECAL, (ANSI) | |
| 30 | 1001139942 | 1 | HOT FLUID WARNING DECAL, (ISO) | |
| 30 | 1001163323 | 1 | HOT FLUID WARNING DECAL, (ENGILISH\FRENCH) | |
| 41 | 1001143852 | 1 | EXPORT DECAL, (ISO), (if equipped for LS) | |
| 42 | 1001115208 | 1 | CAB DECAL KIT, (ANSI), (includes items 43 thru 47), (not shown) | 1 |
| 42 | 1001115209 | 1 | CAB DECAL KIT, (ISO), (includes items 43 thru 47), (not shown) | B |
| 42 | 1001163420 | 1 | CAB DECAL KIT, (ENGILISH\FRENCH), (includes items 43 thru 47), (not shown) | B |
| 43 | 1706306 | 1 | TIP OVER DECAL, (ANSI) | |
| 43 | 1706288 | 1 | TIP OVER DECAL, (ISO) | |
| 43 | 1001163285 | 1 | TIP OVER DECAL, (ENGILISH\FRENCH) | |
| 44 | 1706299 | 1 | ELECTROCUTION HAZARD DECAL, (ANSI) | |
| 44 | 1706284 | 1 | ELECTROCUTION HAZARD DECAL, (ISO) | |
| 44 | 1001163210 | 1 | ELECTROCUTION HAZARD DECAL, (ENGILISH\FRENCH) | |
| 45 | 1706850 | 1 | CRUSH HAZARD WARNING DECAL, (ANSI) | |
| 45 | 1001092877 | 1 | CRUSH HAZARD WARNING DECAL, (ISO) | |
| 45 | 1001163304 | 1 | CRUSH HAZARD WARNING DECAL, (ENGILISH\FRENCH) | |
| 46 | 1706768 | 1 | NO RIDERS DECAL, (ANSI) | |
| 46 | 1001092878 | 1 | NO RIDERS DECAL, (ISO) | |
| 46 | 1001163300 | 1 | NO RIDERS DECAL, (ENGILISH\FRENCH) | |
| 47 | 3251813 | 1 | BUILT IN THE USA NAMEPLATE | |
| 48 | 1001115205 | 1 | RIGHT SIDE DASH DECAL KIT, (ANSI), (includes items 49 thru 52) | 1 |
| 48 | 1001115206 | 1 | RIGHT SIDE DASH DECAL KIT, (ISO), (includes items 49 thru 52) | 1 |
| 48 | 1001163422 | 1 | RIGHT SIDE DASH DECAL KIT, (ENGILISH\FRENCH), (includes items 49 thru 52) | A |
| 49 | 1706851 | 1 | DO NOT JUMP WARNING DECAL, (ANSI) | |
| 49 | 1706283 | 1 | DO NOT JUMP WARNING DECAL, (ISO) | |
| 49 | 1001163321 | 1 | DO NOT JUMP WARNING DECAL, (ENGILISH\FRENCH) | |
| 50 | 1706304 | 1 | RUN OVER DECAL, (ANSI) | |
| 50 | 1706293 | 1 | RUN OVER DECAL, (ISO) | |
| 50 | 1001163276 | 1 | RUN OVER DECAL, (ENGILISH\FRENCH) | |
| 51 | 1706303 | 1 | READ MANUAL DECAL, (ANSI) | |
| 51 | 1706287 | 1 | READ MANUAL DECAL, (ISO) | |
| 51 | 1001163273 | 1 | READ MANUAL DECAL, (ENGILISH\FRENCH) | |
| 52 | 1706767 | 1 | MACHINE ROLL DECAL, (ANSI) | |
| 52 | 1706289 | 1 | MACHINE ROLL DECAL, (ISO) | |
| 52 | 1001163291 | 1 | MACHINE ROLL DECAL, (ENGILISH\FRENCH) | |
| 53 | 1702631 | 1 | BAR CODE ASSY DECAL | |
| 102 | 1704885 | 1 | WEBSITE DECAL | |
| 201 | 1001130793 | 1 | CAPACITY CHART BOOKLET, (G6-42A), (ANSI) (G6-42A) | B |
| 201 | 1001130739 | 1 | OPTIONAL CAPACITY CHART BOOKLET, (G6-42A), (ANSI) (G6-42A) | E |
| 201 | 1001131185 | 1 | CAPACITY CHART BOOKLET, (G6-42A), (ISO) (G6-42A) | B |
| 201 | 1001130743 | 1 | OPTIONAL CAPACITY CHART BOOKLET, (G6-42A), (ISO) (G6-42A) | F |
| 201 | 1001130663 | 1 | CAPACITY CHART BOOKLET, (G9-43A), (ANSI) (G9-43A) | B |
| 201 | 1001130708 | 1 | OPTIONAL CAPACITY CHART BOOKLET, (G9-43A), (ANSI) (G9-43A) | E |
| 201 | 1001130825 | 1 | CAPACITY CHART BOOKLET, (G9-43A), (ISO) (G9-43A) | B |

# SECTION 11 - DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 201 | 1001130818 | 1 | OPTIONAL CAPACITY CHART BOOKLET, (G9-43A), (ISO) (G9-43A) | F |
| 201 | 1001130935 | 1 | CAPACITY CHART BOOKLET, (G10-43A), (ANSI) (G10-43A) | B |
| 201 | 1001130844 | 1 | OPTIONAL CAPACITY CHART BOOKLET, (G10-43A), (ANSI) (G10-43A) | E |
| 201 | 1001132131 | 1 | CAPACITY CHART BOOKLET, (G10-43A), (ISO) (G10-43A) | C |
| 201 | 1001130852 | 1 | OPTIONAL CAPACITY CHART BOOKLET, (G10-43A), (ISO) (G10-43A) | E |
| 301 | 91163028 | 1 | SHIFTER DECAL | |
| 401 | 1001108836 | 1 | TILT/FRAME LEVEL DECAL, (G6-42A & G9-43A, if equipped) (G6-42A,G9-43A) | |
| 401 | 1001108847 | 1 | FRAME LEVEL DECAL, (G6-42A & G9-43A, if equipped with tilt on joystick), (G10-43A) | |
| 402 | 1001109459 | 1 | JOYSTICK DECAL, (G6-42A & G9-43A, if equipped) (G6-42A,G9-43A) | |
| 402 | 1001131745 | 1 | JOYSTICK DECAL, (G6-42A, if equipped with tilt on joystick) (G6-42A) | |
| 402 | 1001109458 | 1 | JOYSTICK DECAL, (G9-43A, if equipped with tilt on joystick), (G10-43A) (G10-43A,G9-43A) | |
| 403 | 1001131509 | 1 | AUXILIARY HYDRAULIC DECAL, (G9-43A & G10-43A) (G10-43A,G9-43A) | |
| 404 | 1001111229 | 1 | OUTRIGGERS DECAL, (G10-43A) (G10-43A) | |
| 501 | 91503112 | 1 | AUXILIARY HYDRAULIC DE-PRESSURIZATION DECAL, (G9-43A, if equipped), (G10-43A) (G10-43A,G9-43A) | |
| 601 | 1001103956 | 1 | A/C TEMPERATURE DECAL, (if equipped) | |
| 701 | 1001160071 | 1 | REAR EMERGENCY EXIT DECAL, (ENGLISH) (if equipped) | |
| 701 | 1001160787 | 1 | REAR EMERGENCY EXIT DECAL, (ENGLISH\FRENCH) (if equipped) | |
| 701 | 1001160912 | 1 | REAR EMERGENCY EXIT DECAL, (ISO) (if equipped) | |
| K1 | 91515073 | 1 | NES DECAL KIT | |
| K2 | 1001196704 | 1 | BLUELINE RENTALS DECAL KIT | |
| K3 | 91515055 | 1 | UNITED RENTALS DECAL KIT | |
| K4 | 91515074 | 1 | H AND E DECAL KIT | |
| K5 | 1001196620 | 1 | AHERN RENTALS DECAL KIT | |
| K6 | 1001128553 | 1 | HERTZ DECAL KIT (G6-42A,G9-43A) | |
| K7 | 1001141458 | 1 | LEAVITT DECAL KIT, (G9-43A & G10-43A) (G10-43A,G9-43A) | |
| K8 | 1001200330 | 1 | CUSTOMER SUPPLIED TELEMATICS KIT, (G6-42A) | |
| K9 | 1001200332 | 1 | CUSTOMER SUPPLIED TELEMATICS KIT, (G9-43A & G10-43A) | |
| K10 | 1001197992 | 1 | SUN BELT DECAL KIT, (G6-42A) | |
| K11 | 1001197993 | 1 | SUNBELT RENTALS DECAL KIT, (G9-43A) | |
| K12 | 1001197994 | 1 | SUNBELT RENTALS DECAL KIT, (G10-43A) | |
| K13 | 1001151499 | 1 | TITAN RENTALS DECAL KIT | |

# SECTION 11 - DECALS

## FIGURE 11-2. BOOM DECALS



## FIGURE 11-2. BOOM DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139899 | Ref | DECAL INSTALLATION, (G6-42A), (ANSI), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (G6-42A) | G |
| | 1001139900 | Ref | DECAL INSTALLATION, (G6-42A), (ISO), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (G6-42A) | H |
| | 1001163586 | Ref | DECAL INSTALLATION, (G6-42A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services) | B |
| | 1001139867 | Ref | DECAL INSTALLATION, (G9-43A), (ANSI), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (G9-43A) | G |
| | 1001139868 | Ref | DECAL INSTALLATION, (G9-43A), (ISO), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (G9-43A) | H |
| | 1001163581 | Ref | DECAL INSTALLATION, (G9-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services) | B |
| | 1001139869 | Ref | DECAL INSTALLATION, (G10-43A), (ANSI), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (G10-43A) | G |
| | 1001139870 | Ref | DECAL INSTALLATION, (G10-43A), (ISO), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (G10-43A) | I |
| | 1001163582 | Ref | DECAL INSTALLATION, (G10-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services) | B |
| 7 | 1706298 | 1 | CARRY PERSONNEL DECAL, (ANSI) | |
| 7 | 1706282 | 1 | CARRY PERSONNEL DECAL, (ISO) | |
| 7 | 1001163206 | 1 | CARRY PERSONAL DECAL, (ENGILISH\FRENCH) | |
| 10 | 1706302 | 5 | PINCH POINT DECAL, (ANSI) | |
| 10 | 1706292 | 5 | PINCH POINT DECAL, (ISO) | |
| 10 | 1001163223 | 5 | PINCH POINT DECAL, (ENGILISH\FRENCH) | |
| 14 | 4105262 | 1 | BOOM ANGLE INDICATOR DECAL | |
| 21 | 91553072 | 1 | BOOM NUMBERS DECAL | |
| 23 | | Ref | BOOM ANGLE INDICATOR PLATE AND MOUNTING HARDWARE, (See BOOM SECTION for Breakdown) | |
| 101 | 1705864 | 2 | JLG DECAL | |

# SECTION 12 - RECOMMENDED SPARE PARTS

# SECTION 12 - RECOMMENDED SPARE PARTS

## FIGURE 12-1. RECOMMENDED SPARE PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | Note | Ref | **Note: The following list will service fleets of machines (built to current production per date on the front cover) with repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.** | |
| | | Ref | **BOOM ASSEMBLY** | |
| | 1001101617 | 2 | Tilt Cylinder Hose (G6-42A) | |
| | 1001103293 | 2 | Tilt Cylinder Hose (G10-43A,G9-43A) | |
| | 1001112207 | 2 | Boom Hose (G6-42A) | |
| | 1001102977 | 2 | Boom Hose (G10-43A,G9-43A) | |
| | 3580347 | 1 | Hose Pulley (G6-42A) | |
| | 3580346 | 1 | Hose Pulley, (G10-43A,G9-43A) | |
| | 91403530 | 10 | Bearing Pad | |
| | 91403531 | 4 | Bearing Pad (G6-42A) | |
| | 91403531 | 2 | Bearing Pad (G10-43A,G9-43A) | |
| | 91403532 | 4 | Bearing Pad (G6-42A) | |
| | 91403532 | 6 | Bearing Pad (G10-43A,G9-43A) | |
| | 91403533 | 2 | Bearing Pad (G6-42A) | |
| | 1001117658 | 2 | Bearing Pad (G10-43A,G9-43A) | |
| | 1001117654 | 4 | Bearing Pad (G6-42A) | |
| | 1001117654 | 2 | Bearing Pad (G10-43A,G9-43A) | |
| | 91513074 | 2 | Bearing Pad (G10-43A,G9-43A) | |
| | 1001117656 | 6 | Bearing Pad (G10-43A,G9-43A) | |
| | 91401215 | AR | Shim, 0.0598 | |
| | 91401216 | AR | Shim, 0.0359 | |
| | 91401453 | AR | Shim, 0.0598 (G6-42A) | |
| | 91401454 | AR | Shim, 0.0359 (G6-42A) | |
| | 91401456 | AR | Shim, 0.0598 | |
| | 91401457 | AR | Shim, 0.0359 | |
| | 91361049 | AR | Shim, 0.0598 (G10-43A,G9-43A) | |
| | 91511096 | AR | Shim, 0.0359 (G10-43A,G9-43A) | |
| | 91511098 | AR | Shim, 0.0598 (G10-43A,G9-43A) | |
| | 91511099 | AR | Shim, 0.0359 (G10-43A,G9-43A) | |
| | 91511101 | AR | Shim, 0.0598 (G10-43A,G9-43A) | |
| | 91511102 | AR | Shim, 0.0359 (G10-43A,G9-43A) | |
| | 91401191 | 2 | Spacer, 0.1875 (G6-42A) | |
| | 91401223 | 10 | Spacer, 0.0598 | |
| | 91401224 | 4 | Spacer, 0.0598 (G6-42A) | |
| | 91401224 | 2 | Spacer, 0.0598 (G10-43A,G9-43A) | |
| | 91401225 | 4 | Spacer, 0.0598 (G6-42A) | |
| | 91401225 | 2 | Spacer, 0.0598 (G10-43A,G9-43A) | |
| | 91401226 | 2 | Spacer, 0.0598 (G6-42A) | |
| | 91401450 | 4 | Spacer, 0.0598 (G6-42A) | |
| | 91401450 | 2 | Spacer, 0.0598 (G10-43A,G9-43A) | |
| | 91401451 | 4 | Spacer, 0.0598 (G6-42A) | |
| | 91511094 | 4 | Spacer, 0.0598 (G10-43A,G9-43A) | |
| | 91511097 | 2 | Spacer, 0.0598 (G10-43A,G9-43A) | |
| | 91511100 | 8 | Spacer, 0.0598 (G10-43A,G9-43A) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91403087 | 1 | Bearing Pad, Push Beam (G6-42A) | |
| | 1001102974 | 1 | Bearing Pad, Push Beam (G10-43A,G9-43A) | |
| | 1001105441 | 1 | Quick Switch Lock Pin | |
| | 2940074 | 1 | Latch | |
| | 88671027 | 4 | Grease Fitting (G6-42A) | |
| | | Ref | **ENGINE** | |
| | 1001158567 | 1 | 250 HR Filter Kit, (if equipped for ULS) **(Prior to SN 0160069037)** | |
| | 1001158568 | 1 | 1000 HR Filter Kit, (if equipped with ULS) **(Prior to SN 0160069037)** | |
| | 1001158564 | 1 | 250 HR Filter Kit, (if equipped for LS) | |
| | 1001158565 | 1 | 1000 HR Filter Kit, (if equipped with LS) | |
| | 70022846 | 1 | Secondary Fuel Filter | |
| | 70024278 | 1 | Oil Filter, (if equipped for ULS) | |
| | 8036204 | 1 | Oil Filter | |
| | 70024177 | 1 | Primary Air Filter, (if equipped for ULS) | |
| | 70023535 | 1 | Primary Air Filter, (if equipped for LS) | |
| | 70024176 | 1 | Safety Element, (if equipped for ULS) | |
| | 70023536 | 1 | Secondary Element, (if equipped for LS) | |
| | 1001093641 | 1 | Fuel Tank Cap, Non-Locking | |
| | 1001102657 | 1 | Fuel Tank Cap, Locking | |
| | 1001129824 | 1 | Fan, (if equipped for ULS) | |
| | 1001138615 | 1 | Fan, (if equipped for LS) | |
| | 70024274 | 1 | Fan Belt, (if equipped for ULS) | |
| | 70024285 | 1 | Fan Belt, (if equipped for LS) | |
| | 70021854 | 1 | Dipstick | |
| | 70021851 | 1 | Primary Fuel Filter, (if equipped for ULS) | |
| | 70024152 | 1 | Tank Filter Kit | |
| | 1340021 | 1 | Breather | |
| | 70024284 | 1 | Crankcase Vent Filter, (if equipped for ULS) | |
| | 1319726 | 1 | Transmission Filter | |
| | 70024156 | 1 | Primary Fuel Filter, (if equipped for LS) | |
| | | Ref | **DRIVE TRAIN** | |
| | 91563226 | 1 | FNR Shifter | |
| | 70023325 | 1 | Accelerator Pedal Kit | |
| | 7029908 | 1 | Accelerator Sensor Kit | |
| | 7028718 | 4 | Wheel End Seal | |
| | 91514111 | 4 | Wheel End Bushing | |
| | 7028721 | 2 | Wheel Hub Seal (G6-42A) | |
| | 7029300 | 2 | Wheel Hub Seal (G10-43A,G9-43A) | |
| | 8036433 | 4 | Universal Joint Kit | |
| | | Ref | **HYDRAULIC SYSTEM** | |
| | 91403490 | 1 | Boom Joystick Assy (if equipped) (G6-42A) | |
| | 91403491 | 1 | Boom Joystick Assy With Tilt (if equipped) (G6-42A) | |
| | 91404010 | 1 | Boom Joystick Handle Assy (if equipped) (G6-42A) | |
| | 91404325 | 1 | Boom Joystick Handle With Wire and Connector (if equipped) (G6-42A) | |
| | 1001130050 | 1 | Boom Joystick (if equipped) (G9-43A) | |
| | 1001130045 | 1 | Boom Joystick With Tilt, (if equipped) (G10-43A,G9-43A) | |
| | 70022061 | 1 | Lift Cylinder Seal Kit (G10-43A,G9-43A) | |
| | 70021775 | 1 | Extend/Retract Cylinder Seal Kit (G6-42A) | |
| | 70022858 | 1 | Extend/Retract Cylinder Seal Kit (G10-43A,G9-43A) | |
| | 70021764 | 1 | Tilt Cylinder Seal Kit (G6-42A) | |

# SECTION 12 - RECOMMENDED SPARE PARTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 91514281 | 1 | Tilt Cylinder Seal Kit (G10-43A,G10-43A,G9-43A,G9-43A) | |
| | 7029821 | 1 | Compensation Cylinder Seal Kit (G6-42A) | |
| | 70024012 | 1 | Compensation Cylinder Seal Kit (G10-43A,G9-43A) | |
| | 70021633 | 1 | Frame Level Cylinder Seal Kit (G6-42A) | |
| | 70022864 | 1 | Frame Level Cylinder Seal Kit (G10-43A,G9-43A) | |
| | 70023899 | 2 | Outrigger Cylinder Seal Kit (G10-43A) | |
| | 70024152 | 1 | Tank Filter Kit | |
| | 1340021 | 1 | Breather | |
| | 70024153 | 1 | Sight Gauge | |
| | 70022041 | 1 | Side Tilt Carriage Cylinder Seal Kit | |
| | 2915023 | 1 | 90, Swing Carriage Cylinder Seal Kit | |
| | 70021452 | 1 | Grapple Bucket Cylinder Seal Kit | |
| | | Ref | **ELECTRICAL** | |
| | 1001147072 | 1 | Oil Temperature Switch, (if equipped for ULS) | |
| | 91563121 | 1 | Oil Temperature Switch, (if equipped for LS) | |
| | 1001148837 | 1 | Fuel Level Sender | |
| | 91033317 | 1 | Ignition Switch | |
| | 70024276 | 1 | Alternator, (if equipped for ULS) | |
| | 70021849 | 1 | Alternator, (if equipped for LS) | |
| | 70024277 | 1 | Starter, (if equipped for ULS) | |
| | 70021850 | 1 | Starter, (if equipped for LS) | |
| | 91143357 | 1 | Horn | |
| | | Ref | **MISC.** | |
| | 77384578 | 1 | Ignition Key | |
| | 80964051 | 1 | Cab Door Key | |
| | 80904003 | 1 | Hydraulic Test Kit | |
| | 24604083 | 1 | ORS O-Ring Kit | |
| | 90214009 | 1 | O-Ring Kit | |
| | 31200744 | 1 | Operation and Safety Manual | |
| | 31200792 | 1 | Service Manual | |
| | | Ref | **SPECIAL TOOLS** | |
| | 1060633 | 1 | Analyzer Cable (G10-43A,G9-43A) | |
| | 2901443 | 1 | Analyzer Kit, (includes cable) (G10-43A,G9-43A) | |
| | 70021975 | 1 | Gauge, T11, Dana Axle (G10-43A,G9-43A) | |
| | 70021968 | 1 | Indicator Plate, Dana Axle (G6-42A) | |
| | 70021969 | 1 | Pinion Gauge, Dana Axle (G6-42A) | |
| | 70021970 | 1 | Pinion Gauge, Dana Axle (G6-42A) | |

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