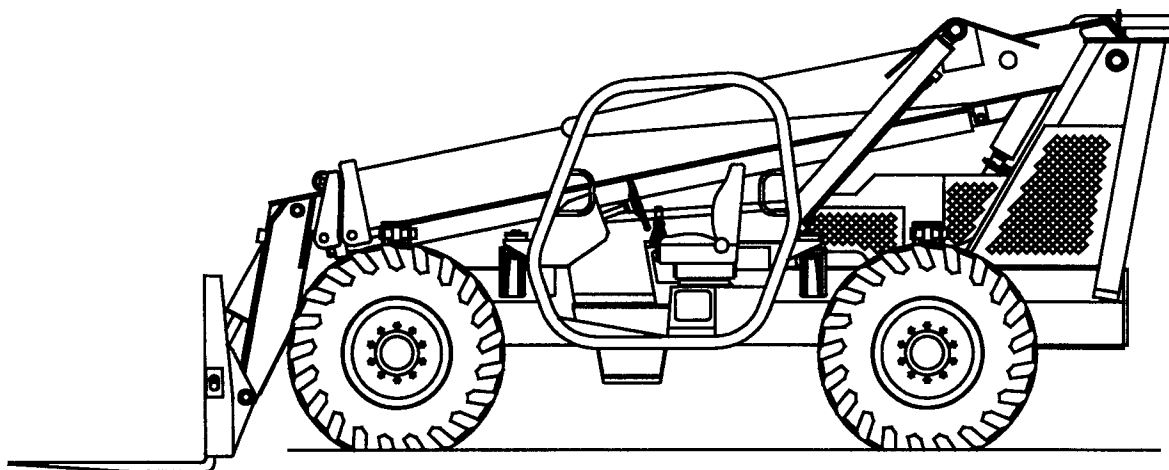


# PARTS BOOK TH644C



DATE: 4-19-02

JOHN DEERE POWERTECH 4045T TURBO ENGINE  
OR OPTIONAL

CUMMINS 4B3.9-C-100 TURBO ENGINE  
DANA 212 AXLES

CLARK T12000 TRANSMISSION  
REMOTE MOUNTED SAF-T-CAB

REXROTH HYDRAULIC PUMP

DAVID BROWN MAIN VALVE

DAVID BROWN 4-WAY CONTROLLER

Serial Number: \_\_\_\_\_

TEREX HANDLERS

455 N. Superior Ave., Baraga, MI 49908-0248

PH: (906) 353-6675; FAX: (906) 353-7543

INTERNET: <http://www.terexlift.com>

# INDEX / STANDARD EQUIPMENT

## TH644C

| PAGE | DESCRIPTION                                  | DRAWING |
|------|----------------------------------------------|---------|
| 1    | SEAL KITS / TH644C .....                     | P1-1592 |
| 2    | LUBE CHART .....                             | P1-1593 |
| 3    | FILTER GUIDE .....                           | P1-1549 |
| 4    | DECALS .....                                 | P1-1594 |
| 5    | GENERAL ASSEMBLY .....                       | P1-1595 |
| 6    | OPERATOR'S COMPARTMENT ASSEMBLY .....        | P1-1597 |
| 7    | POWER TRAIN ASSY / JD-4045T .....            | P1-1596 |
| 8    | ENGINE & PUMP ASSY / JD-4045T .....          | P4-2068 |
| 9    | BOOM ASSEMBLY .....                          | P4-1951 |
| 10   | FOOT BRAKE ASSEMBLY .....                    | P1-1533 |
| 11   | ACCELERATOR ASSY / JD-4045T .....            | P4-2069 |
| 12   | ACCELERATOR ASSEMBLY / PEDAL END .....       | P1-1534 |
| 13   | ENGINE ENCLOSURE ASSEMBLY / JD-4045T .....   | P4-2202 |
| 14   | EXHAUST ASSEMBLY / JD-4045T .....            | P4-1795 |
| 15   | AIR CLEANER ASSEMBLY / JD-4045T .....        | P4-2237 |
| 16   | DRIVESHAFT ASSEMBLY / FRONT .....            | P1-1552 |
| 17   | DRIVESHAFT ASSEMBLY / REAR .....             | P1-1553 |
| 18   | TIRE & WHEEL ASSEMBLY .....                  | P1-1661 |
| 19   | ELECTRIC SCHEMATIC .....                     | P1-1598 |
| 20   | WIRING DIAGRAM .....                         | P1-1599 |
| 21   | INSTRUMENT PANEL ASSEMBLY .....              | P1-1539 |
| 22   | HYDRAULIC SCHEMATIC .....                    | P1-1600 |
| 23   | CIRCUIT / PUMP / OIL RESERVOIR .....         | P1-1541 |
| 24   | CIRCUIT / LIFT-TILT .....                    | P4-1957 |
| 25   | CIRCUIT / BOOM .....                         | P4-1958 |
| 26   | CIRCUIT / 4-WAY CONTROLLER .....             | P1-1542 |
| 27   | CIRCUIT / STEERING .....                     | P1-1543 |
| 28   | CIRCUIT / SWAY .....                         | P1-1544 |
| 29   | CIRCUIT / REAR LOCK-UP .....                 | P1-1545 |
| 30   | CIRCUIT / PARKING BRAKE .....                | P4-1962 |
| 31   | CIRCUIT / PRESSURE CHECKS .....              | P4-1963 |
| 32   | CIRCUIT / BRAKE .....                        | P1-1601 |
| 33   | CIRCUIT / OIL COOLER / JD-4045T .....        | P4-2073 |
| 34   | CIRCUIT / FUEL / JD-4045T .....              | P4-2074 |
| 35   | FUEL TANK ASSEMBLY .....                     | P4-1967 |
| 36   | STARTER RELAY / SENDER ASSY / JD-4045T ..... | P4-2075 |
| 37   | BATTERY BOX ASSEMBLY .....                   | P4-1969 |
| 38   | LIFT CYLINDER / 7-316-240 .....              | P4-2043 |
| 39   | TILT CYLINDER / 7-316-238 .....              | P4-2044 |
| 40   | BOOM CYLINDER / 7-316-211 .....              | P4-2017 |
| 41   | SWAY-REAR LOCK-UP CYLINDER / 7-379-02 .....  | P4-2019 |
| 42   | MOTION VALVE / BASE TILT CYLINDER .....      | P3-1098 |
| 43   | MOTION VALVE / HEAD TILT CYLINDER .....      | P3-1097 |

## INDEX / STANDARD EQUIPMENT

### TH644C

| PAGE | DESCRIPTION                                       | DRAWING |
|------|---------------------------------------------------|---------|
| 44   | MOTION VALVE / BOOM CYLINDER .....                | P3-1096 |
| 45   | MOTION VALVE / BASE LIFT CYLINDER.....            | P3-1209 |
| 46   | DUAL PILOT CHECK VALVE / 7-234-04 .....           | P3-1100 |
| 47   | ORBITRAL ASSEMBLY / 7-147-01 .....                | P1-1554 |
| 48   | SELECTOR VALVE / STEERING / 7-359-02 .....        | P4-2009 |
| 49   | RETURN FILTER ASSEMBLY / 7-118-01 .....           | P1-1513 |
| 50   | CONTROL BLOCK ASSEMBLY / 7-234-94.....            | P1-1451 |
| 51   | 4-WAY CONTROLLER ASSEMBLY / 7-358-03 .....        | P1-1280 |
| 52   | MAIN VALVE ASSEMBLY / 7-358-14 .....              | P1-1391 |
| 53   | HYDRAULIC PUMP ASSEMBLY / 7-345-113 .....         | P4-2059 |
| 54   | ELECTRIC VALVE / 4-WAY / 7-367-09 .....           | P1-1447 |
| 55   | ELECTRIC VALVE / 4-WAY / 7-244-31 .....           | P3-1140 |
| 56   | CONTROLLER RELIEF VALVE / 7-367-01 .....          | P1-1446 |
| 57   | VALVE / BOOM ACTIVATED REAR-LOCK / 7-367-13 ..... | P1-1456 |
| 58   | VALVE / DIFFERENTIAL LOCK / 7-367-02 .....        | P1-1460 |

## INDEX / OPTIONAL EQUIPMENT

### TH644C

|    |                                  |         |
|----|----------------------------------|---------|
| 59 | FULLY ENCLOSED CAB ASSEMBLY..... | P1-1641 |
| 60 | FORK FRAME ROTATE ASSEMBLY.....  | P4-1556 |
| 61 | ROTATE CYLINDER ASSEMBLY .....   | P4-2020 |
| 62 | DUAL PILOT CHECK VALVE .....     | P3-1141 |
| 63 | CIRCUIT / FORK ROTATE.....       | P1-1558 |
| 64 | HOSE ROLLER ASSEMBLY .....       | P1-1568 |

---

#### CUMMINS 4B3.9-C-100 TURBO ENGINE OPTIONS

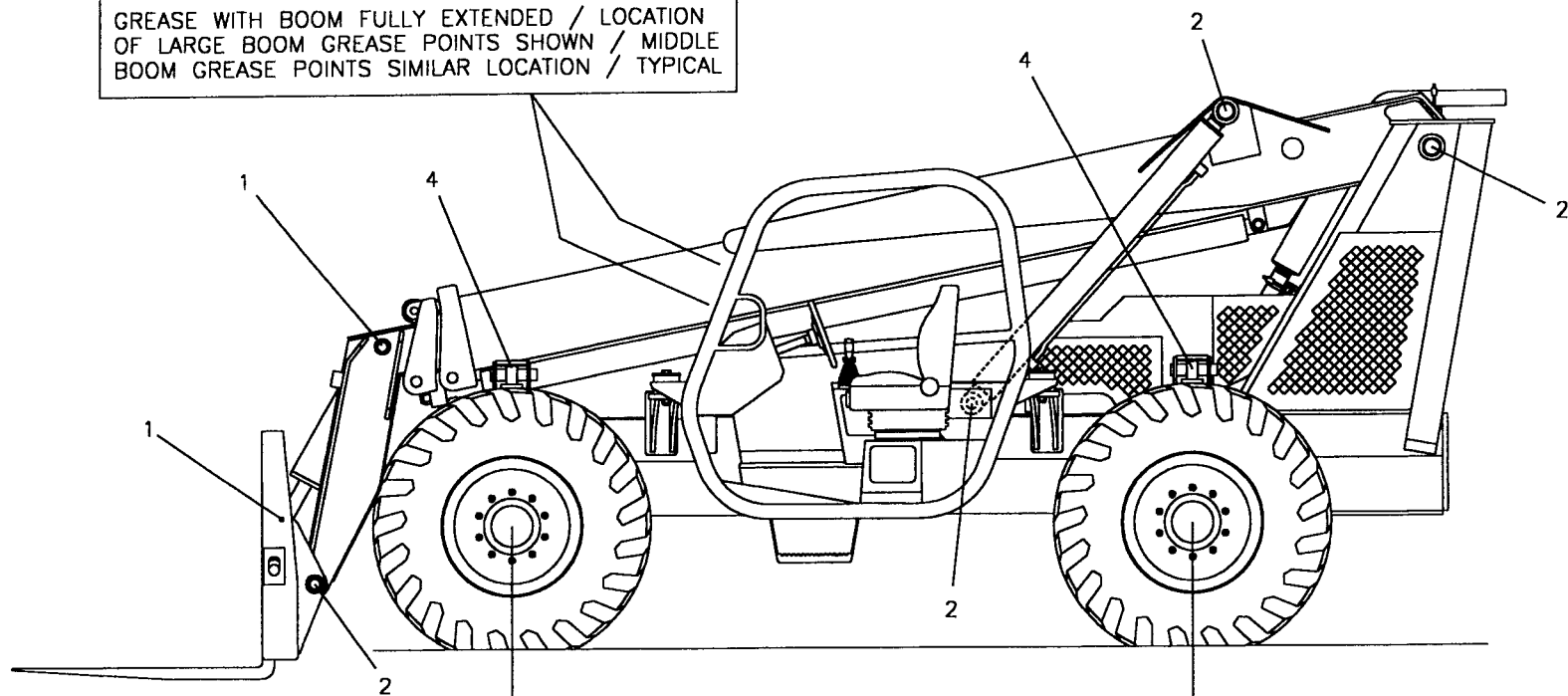
---

|    |                                                   |         |
|----|---------------------------------------------------|---------|
| 65 | ENGINE & PUMP ASSY / CUMMINS B3.9-C .....         | P4-1950 |
| 66 | ACCELERATOR ASSY / CUMMINS B3.9-C .....           | P4-1789 |
| 67 | ENGINE ENCLOSURE ASSY / CUMMINS B3.9-C .....      | P4-2204 |
| 68 | EXHAUST ASSY / CUMMINS B3.9-C .....               | P4-1799 |
| 69 | AIR CLEANER ASSY / CUMMINS B3.9-C .....           | P4-2238 |
| 70 | CIRCUIT / OIL COOLER / CUMMINS B3.9-C .....       | P4-1965 |
| 71 | CIRCUIT / FUEL / CUMMINS B3.9-C .....             | P4-1966 |
| 72 | STARTER RELAY / SENDER ASSY / CUMMINS B3.9-C .... | P4-1968 |

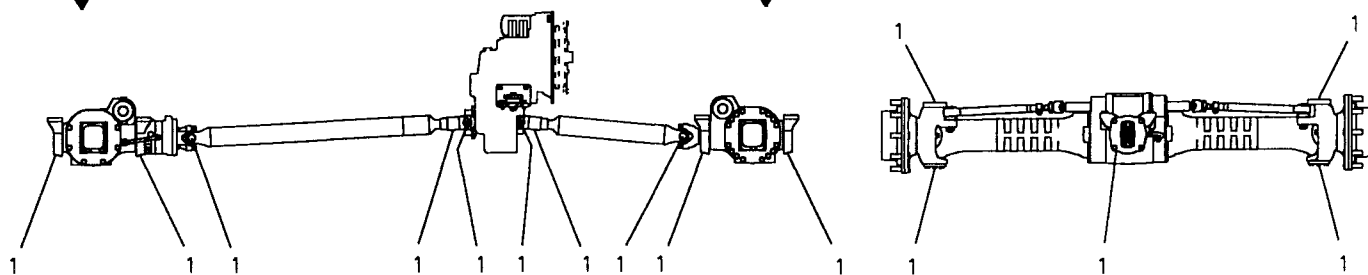
## MANUFACTURER

| PART NUMBER           | NUMBER          | DESCRIPTION                          | SEAL KIT |
|-----------------------|-----------------|--------------------------------------|----------|
| PPDB-LNN .....        | 7-234-13 .....  | CARTRIDGE / REDUCING RELIEVING ..... | 7-234-29 |
| CXDA-XAN .....        | 7-234-16 .....  | CARTRIDGE / CHECK .....              | 7-234-31 |
| CKCD-XCN .....        | 7-234-18 .....  | CARTRIDGE / PILOT CHECK .....        | 7-234-29 |
| CBCA-LHN .....        | 7-234-19 .....  | CARTRIDGE / COUNTERBALANCE .....     | 7-234-29 |
| CBEA-LHN .....        | 7-234-22 .....  | CARTRIDGE / COUNTERBALANCE .....     | 7-234-30 |
| PPDB-LAN .....        | 7-234-28 .....  | CARTRIDGE / REDUCING RELIEVING ..... | 7-234-29 |
| NFCC-LDN .....        | 7-234-37 .....  | CARTRIDGE / NEEDLE .....             | 7-234-31 |
| CAEA-LHN .....        | 7-234-53 .....  | CARTRIDGE / COUNTERBALANCE .....     | 7-234-30 |
| CKCB-XCN .....        | 7-234-62 .....  | CARTRIDGE / PILOT CHECK .....        | 7-234-29 |
| PPDB-LQN .....        | 7-234-64 .....  | CARTRIDGE / REDUCING RELIEVING ..... | 7-234-29 |
| CSAD-XXN .....        | 7-234-79 .....  | CARTRIDGE / SHUTTLE .....            | 7-234-29 |
| CXDA-XCN .....        | 7-234-80 .....  | CARTRIDGE / CHECK .....              | 7-234-31 |
| PTS1-6872 .....       | 7-304-07 .....  | CARTRIDGE / MODULAR CONTROL .....    | 7-304-08 |
| DSV2-080-3-N .....    | 7-367-14 .....  | CARTRIDGE / NORMALLY CLOSED .....    | 7-367-18 |
| DSV2-080-2NOS-N ..... | 7-367-06 .....  | CARTRIDGE / NORMALLY OPEN .....      | 7-367-17 |
| DSV2-080-4C0-N .....  | 7-367-10 .....  | CARTRIDGE / 4-WAY .....              | 7-367-19 |
|                       |                 |                                      |          |
|                       | 7-379-02 .....  | CYLINDER / SWAY / P4-2019 .....      | 7-900-85 |
|                       | 7-316-240 ..... | CYLINDER / LIFT / P4-2043 .....      | 7-900-21 |
|                       | 7-316-238 ..... | CYLINDER / TILT / P4-2044 .....      | 7-900-22 |
|                       | 7-316-239 ..... | CYLINDER / BOOM / P4-2045 .....      | 7-900-23 |
|                       | 7-379-01 .....  | CYLINDER / ROTATE / P4-2020 .....    | 7-900-86 |
|                       | 7-229-619 ..... | CYLINDER / STEERING . .....          | 7-900-88 |
|                       |                 |                                      |          |
|                       | 7-198-48 .....  | BRAKE ACTUATOR .....                 | 7-198-49 |
|                       | 7-147-01 .....  | ORBITRAL / STEERING .....            | 7-147-07 |

GREASE WITH BOOM FULLY EXTENDED / LOCATION  
OF LARGE BOOM GREASE POINTS SHOWN / MIDDLE  
BOOM GREASE POINTS SIMILAR LOCATION / TYPICAL



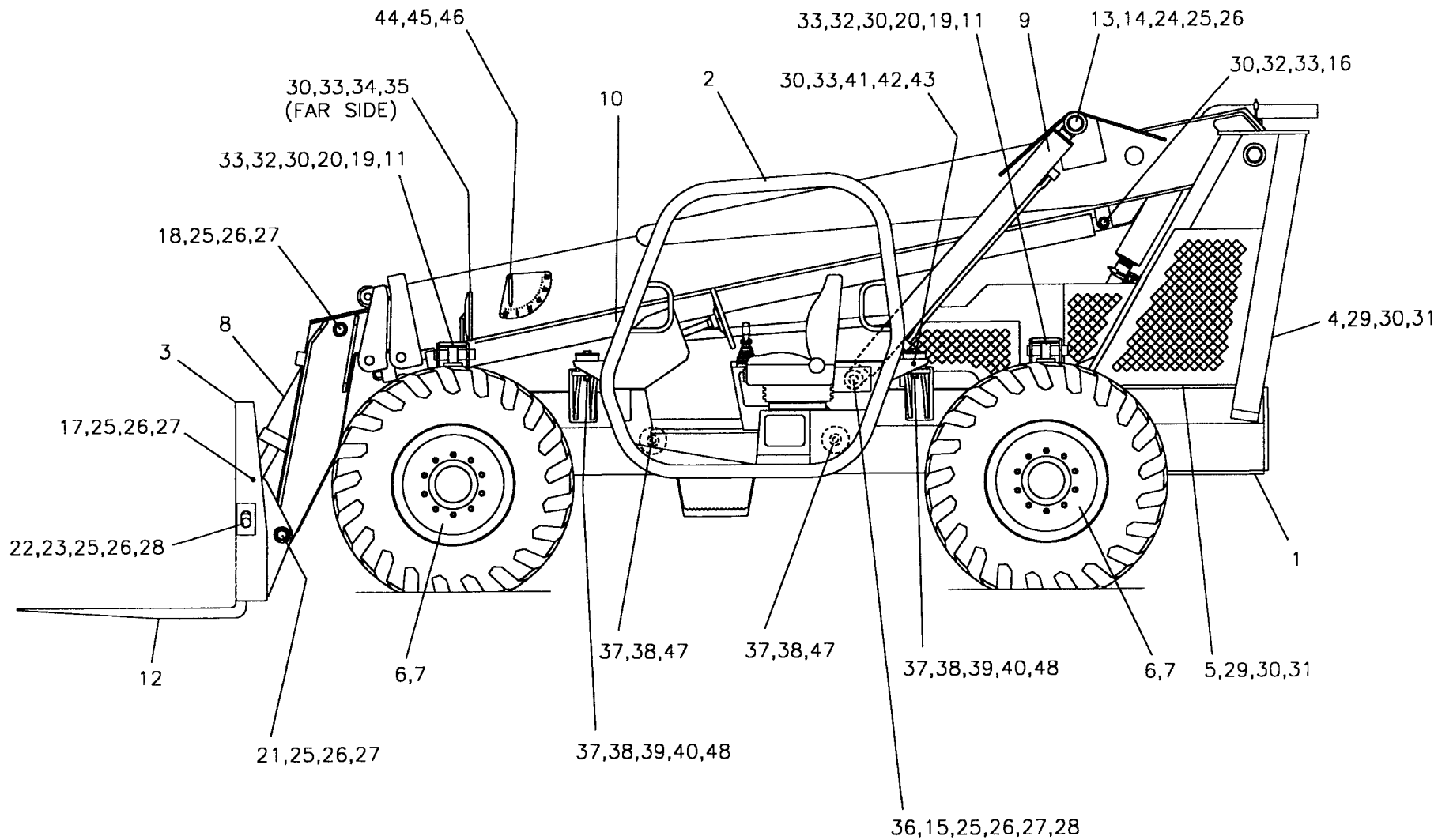
EXPLODED VIEW OF  
POWER TRAIN ASSEMBLY



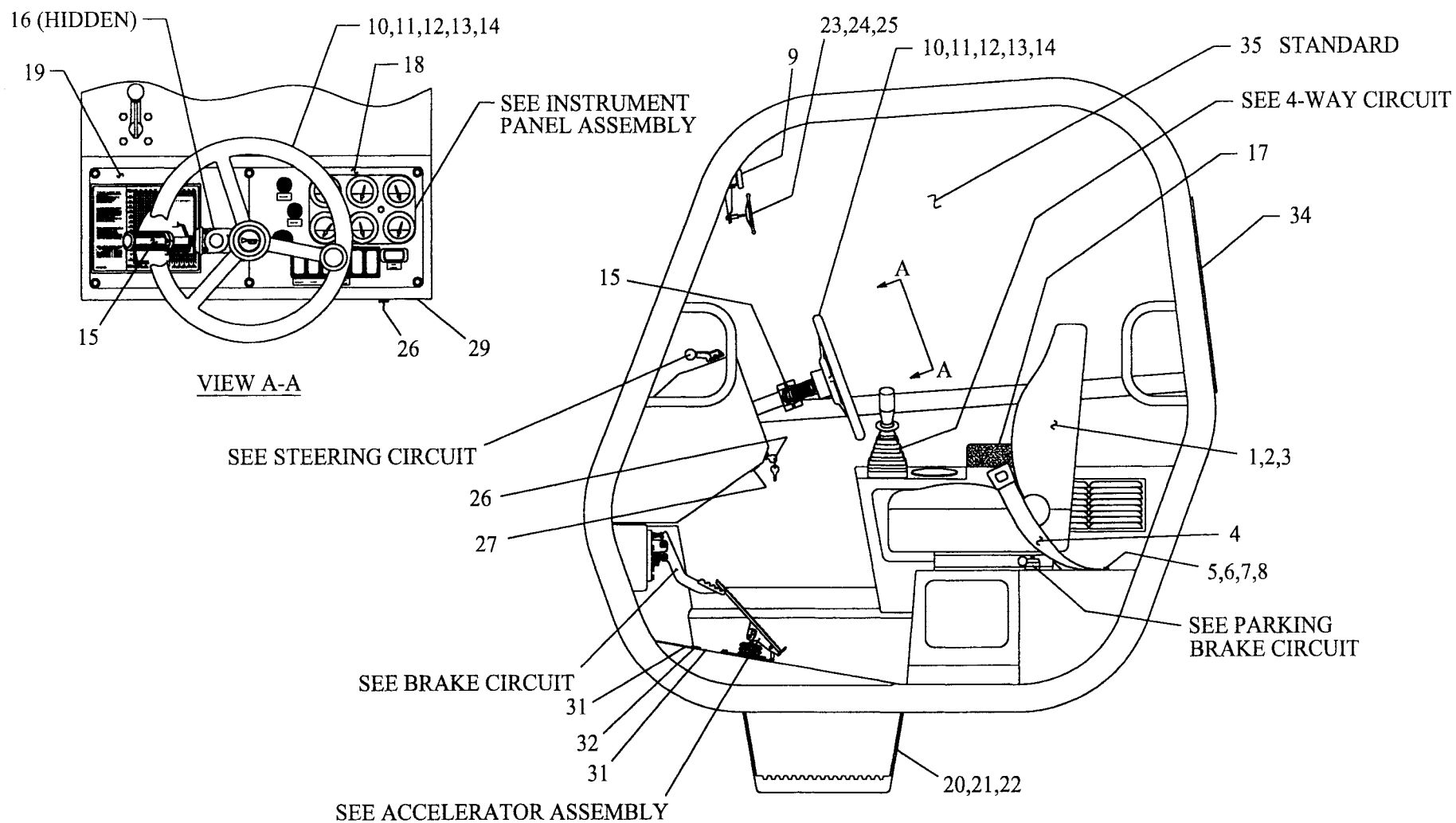
## TH644C FILTER GUIDE

| DESCRIPTION                                    | PART NO.        | APPLICATION |
|------------------------------------------------|-----------------|-------------|
| 1. HYDRAULIC RETURN FILTER ELEMENT .....       | 7-118-02.....   | TH644C      |
| 2. ENGINE OIL FILTER / CUMMINS .....           | 7-343-08 .....  | TH644C      |
| 3. ENGINE OIL FILTER / JOHN DEERE .....        | 7-183-101 ..... | TH644C      |
| 4. ENGINE FUEL FILTER / CUMMINS .....          | 7-343-09 .....  | TH644C      |
| 5. ENGINE FUEL FILTER / JOHN DEERE .....       | 7-183-118 ..... | TH644C      |
| 6. ENGINE FUEL/WATER SEPARATOR / CUMMINS ..... | 7-343-10 .....  | TH644C      |
| 7. AIR CLEANER ELEMENT / PRIMARY .....         | 7-109-04 .....  | TH644C      |
| 8. TRANSMISSION OIL FILTER .....               | 7-126-349 ..... | TH644C      |
| 9. HYDRAULIC RESERVOIR FILLER-BREATHER .....   | 7-272-11 .....  | TH644C      |

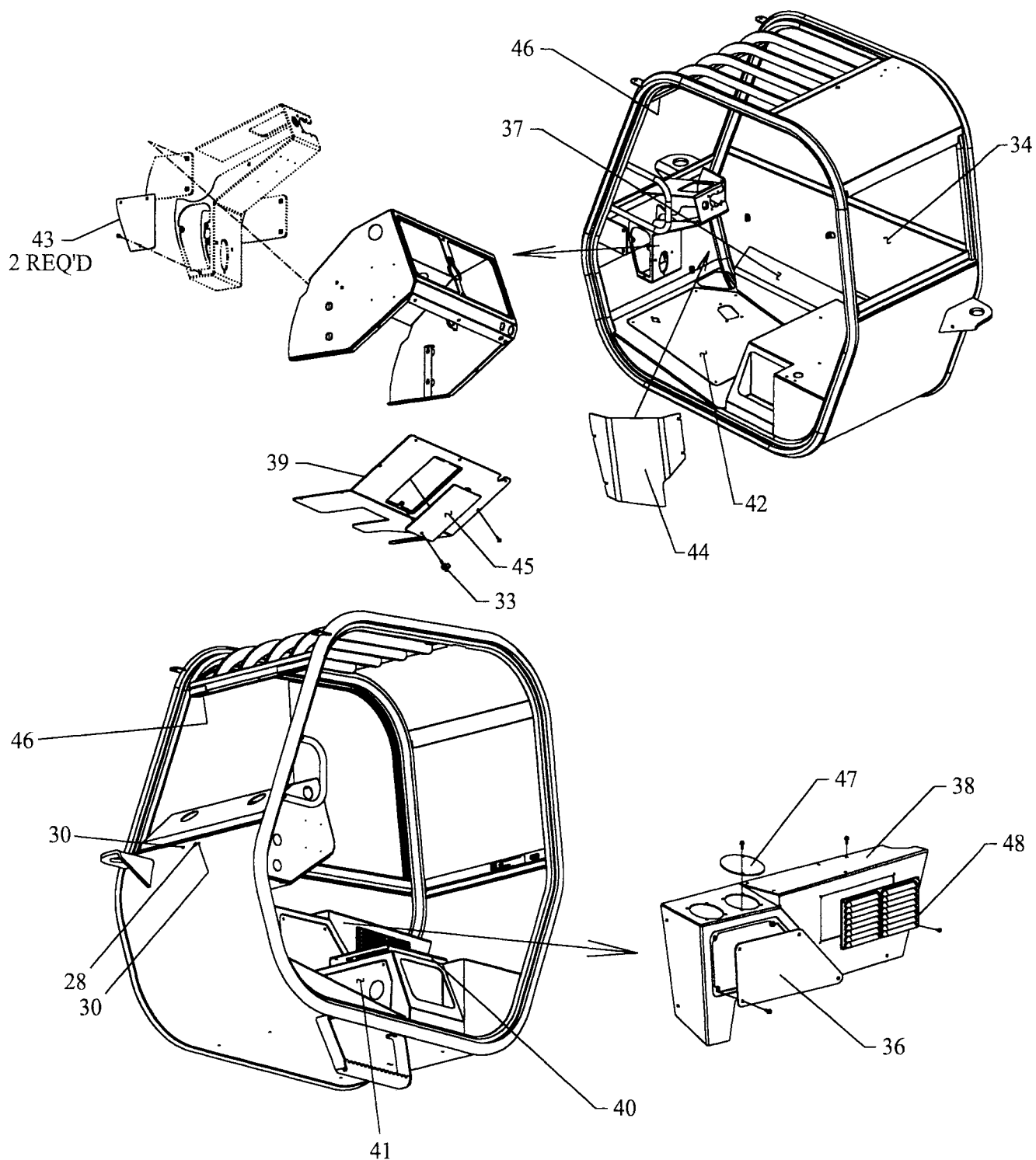
| ITEM | NUMBER    | DESCRIPTION                        | REQD |
|------|-----------|------------------------------------|------|
| 1    | 2-1274    | DECAL / LOAD CHART / TH644C        | 1    |
| 2    | 4-2282-2  | DECAL / TH644C TURBO               | 2    |
| 3    | 4-1401-1  | DECAL / STEERING SELECTOR          | 1    |
| 4    | 4-1401-2  | DECAL / DIESEL FUEL                | 1    |
| 5    | 4-1401-3  | DECAL / HYDRAULIC OIL LEVEL        | 1    |
| 6    | 2-1279    | DECAL / 4-WAY CONTROL              | 1    |
| 7    | 4-1401-8  | DECAL / TRANSMISSION OIL           | 1    |
| 8    | 4-1401-10 | DECAL / TRANSMISSION CONTROL       | 1    |
| 9    | 4-1105-11 | DECAL / A                          | 1    |
| 10   | 4-1105-12 | DECAL / B                          | 1    |
| 11   | 4-1105-13 | DECAL / C                          | 1    |
| 12   | 4-1105-14 | DECAL / D                          | 1    |
| 13   | 4-1105-16 | DECAL / MADE IN USA                | 4    |
| 14   | 4-1105-19 | DECAL / REAR AXLE STABILIZERS      | 1    |
| 15   | 3-1218    | DECAL / WARNING                    | 1    |
| 16   | 3-1257-1  | DECAL / HYDRAULIC OIL ONLY         | 1    |
| 17   | 4-1579-1  | DECAL / PARKING BRAKE              | 1    |
| 18   | 4-1579-2  | DECAL / ELECTRIC HAZARD            | 1    |
| 19   | 4-1579-3  | DECAL / SWAY CONTROL               | 1    |
| 20   | 4-1579-4  | DECAL / NOT A MAN-LIFT             | 1    |
| 21   | 4-1579-5  | DECAL / BEFORE OPERATING           | 1    |
| 22   | 4-1579-6  | DECAL / BATTERY COMPARTMENT        | 1    |
| 23   | 4-1579-7  | DECAL / COOLING SYSTEM             | 1    |
| 24   | 4-1579-8  | DECAL / HOT EXHAUST                | 2    |
| 25   | 4-1579-9  | DECAL / PINCH POINT AREA           | 9    |
| 26   | 4-1579-10 | DECAL / MACHINE STABILITY          | 4    |
| 27   | 4-1579-11 | DECAL / USE THE SEAT BELT          | 1    |
| 28   | 4-1579-12 | DECAL / NO RIDERS                  | 1    |
| 29   | 4-1579-13 | DECAL / HYDRAULIC SYSTEM           | 1    |
| 30   | 7-349-01  | DECAL / TEREX CROWN / SMALL        | 1    |
| 31   | 7-349-02  | DECAL / TEREX CROWN / MEDIUM       | 3    |
| 32   | 7-349-03  | DECAL / TEREX CROWN / LARGE        | 1    |
| 33   | 3-1228-2  | DECAL / BRAKE ON                   | 1    |
| 34   | 3-1228-7  | DECAL / BRAKE OFF                  | 1    |
| 35   | 4-2111-1  | DECAL / TEREX / SMALL              | 2    |
| 36   | 4-1880-1  | DECAL / BOOM ANGLE / WHITE LETTERS | 1    |
| 37   | 1-1285    | DECAL / CHEVRON TRANSMISSION OIL   | 1    |
| 38   | 1-1286    | DECAL / CHEVRON HYDRAULIC OIL      | 1    |
| 39   | 1-1287    | DECAL / DAILY CHECK LIST           | 1    |
| 40   | 3-1461    | DECAL / WWW.TEREXLIFT.COM          | 1    |
| 41   | 2-1223-1  | DECAL / TECHNICAL SUPPORT          | 1    |
| 42   | 7-900-122 | DECAL KIT (ITEMS 1 THRU 41)        | REF  |



| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | 4-2273     | MAIN FRAME WELDMENT             | 1    |
| 2    | 7-132-02   | CANOPY ASSEMBLY                 | 1    |
| 3    | 4-1525     | FORK FRAME / 48 WIDE            | 1    |
| 4    | 3-1340     | REAR PANEL                      | 1    |
| 5    | 4-1729-2   | SIDE PANEL / RH & LH            | 2    |
| 6    | 7-335-17   | TIRE & WHEEL ASSEMBLY / RH      | 2    |
| 7    | 7-335-18   | TIRE & WHEEL ASSEMBLY / LH      | 2    |
| 8    | 7-316-238  | CYLINDER / TILT                 | 1    |
| 9    | 7-316-240  | CYLINDER / LIFT                 | 2    |
| 10   | 7-316-211  | CYLINDER / BOOM                 | 1    |
| 11   | 7-379-02   | CYLINDER / SWAY-REAR LOCK       | 4    |
| 12   | 3-1391-10  | FORK TINE / 48 LG.              | 2    |
| 13   | 3-1092-3   | PIN / HEAD LIFT CYLINDER        | 1    |
| 14   | 6-2524-10  | COLLAR / HEAD LIFT CYLINDER     | 2    |
| 15   | 3-1054-2   | PIN / BASE LIFT CYLINDER        | 1    |
| 16   | 2-1090     | PIN / BASE BOOM CYLINDER        | 1    |
| 17   | 6-3316-65  | PIN / HEAD TILT CYLINDER        | 1    |
| 18   | 3-1054-1   | PIN / BASE TILT CYLINDER        | 1    |
| 19   | 6-3312-43  | PIN / HEAD SWAY CYLINDER        | 4    |
| 20   | 6-3312-73  | PIN / BASE SWAY CYLINDER        | 4    |
| 21   | 6-3316-168 | PIN / FORK FRAME                | 1    |
| 22   | 2-1067-10  | PIN / FORK TINE                 | 1    |
| 23   | 1-1074     | COLLAR / FORK TINE PIN          | 1    |
| 24   | 6-5208-44  | CAPSCREW 1/2 NC x 5 1/2 LG.     | 2    |
| 25   | 6-6201-08  | HEX NUT 1/2 NC                  | 8    |
| 26   | 6-6211-08  | LOCKWASHER 1/2                  | 8    |
| 27   | 6-5208-30  | CAPSCREW 1/2 NC x 3 3/4 LG.     | 4    |
| 28   | 6-5208-36  | CAPSCREW 1/2 NC x 4 1/2 LG.     | 2    |
| 29   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.       | 14   |
| 30   | 6-6211-06  | LOCKWASHER 3/8                  | 25   |
| 31   | 6-6212-06  | FLATWASHER 3/8                  | 14   |
| 32   | 6-5206-22  | CAPSCREW 3/8 NC x 2 3/4 LG.     | 8    |
| 33   | 6-6201-06  | HEX NUT 3/8 NC                  | 11   |
| 34   | 7-333-01   | MIRROR / CONVEX                 | 1    |
| 35   | 6-5206-24  | CAPSCREW 3/8 NC x 3 LG.         | 1    |
| 36   | 3-1054-3   | PIN / BASE LIFT CYL. / CAB SIDE | 1    |
| 37   | 7-190-07   | RUBBER MOUNT / CAB              | 4    |
| 38   | 1-1532     | WASHER / CAB RUBBER MOUNT       | 4    |
| 39   | 6-5216-48  | CAPSCREW 1 NC x 6 LG.           | 2    |
| 40   | 6-6205-16  | SELF LOCKING NUT 1 NC           | 2    |
| 41   | 7-319-17   | GROUND STRAP / CAB              | 1    |
| 42   | 6-5206-10  | CAPSCREW 3/8 NC x 1 1/4 LG.     | 1    |
| 43   | 6-5206-12  | CAPSCREW 3/8 NC x 1 1/2 LG.     | 1    |
| 44   | 1-1217     | POINTER / BOOM ANGLE            | 1    |
| 45   | 6-5204-08  | CAPSCREW 1/4 NC x 1 LG.         | 1    |
| 46   | 6-6201-04  | HEX NUT 1/4 NC                  | 1    |
| 47   | 6-5216-44  | CAPSCREW / 1 NC x 5 1/2 LG.     | 2    |
| 48   | 1-1530     | SPACER / CAB RUBBER MOUNT       | 2    |

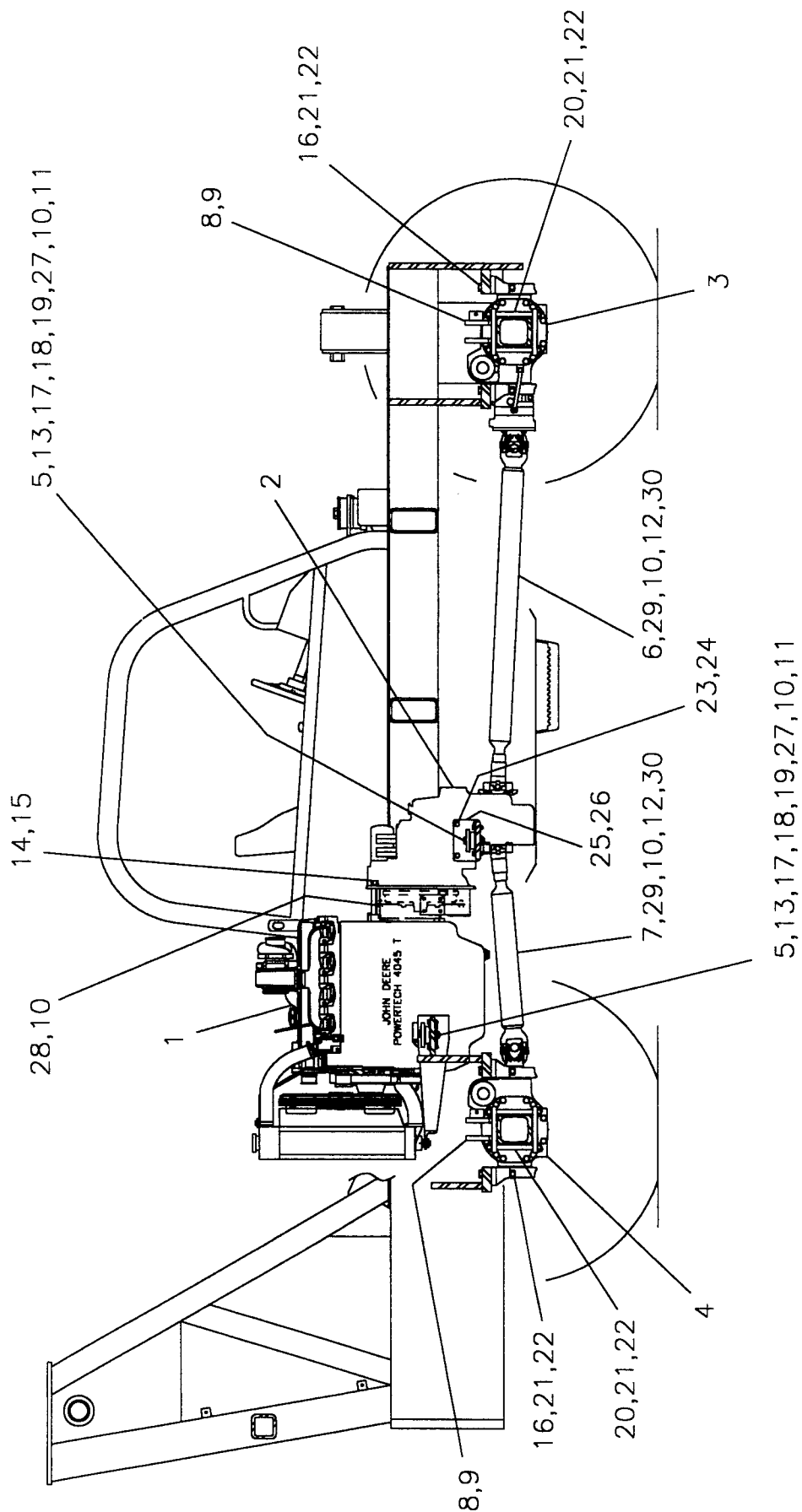


FOR ADDITIONAL CAB INFORMATION SEE OPTIONS SECTION

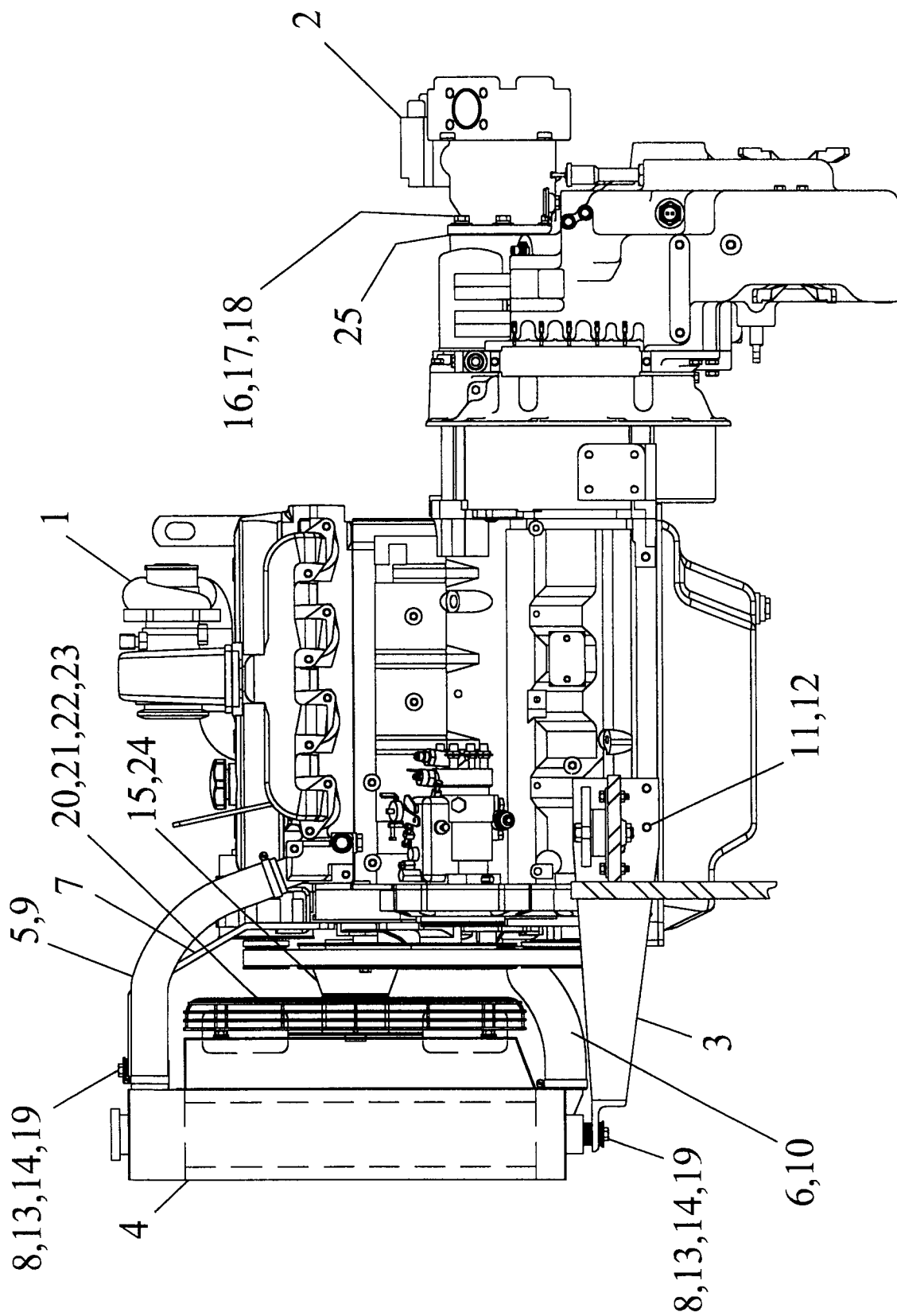


| ITEM | NUMBER    | DESCRIPTION                        | REQD |
|------|-----------|------------------------------------|------|
| 1    | 7-197-01  | SEAT                               | 1    |
| 2    | 6-6211-05 | LOCKWASHER 5/16                    | 4    |
| 3    | 6-6201-05 | HEX NUT 5/16 NC                    | 4    |
| 4    | 7-337-01  | SEAT BELT                          | 1    |
| 5    | 6-5205-08 | CAPSCREW 5/16 NC x 1 LG.           | 2    |
| 6    | 6-6212-05 | FLATWASHER 5/16                    | 2    |
| 7    | 6-6211-05 | LOCKWASHER 5/16                    | 2    |
| 8    | 6-6201-05 | HEX NUT 5/16 NC                    | 2    |
| 9    | 7-104-01  | LEVEL GAGE                         | 1    |
| 10   | 7-147-01  | STEERING ORBITRAL                  | REF  |
| 11   | 7-147-40  | STEERING WHEEL                     | 1    |
| 12   | 7-147-41  | HORN BUTTON KIT                    | 1    |
| 13   | 7-147-04  | NUT / STEERING WHEEL (w/ ITEM 14)  | REF  |
| 14   | 7-147-05  | COLUMN / STEERING                  | 1    |
| 15   | 7-125-05  | TRANSMISSION COLUMN SHIFT CONTROL  | 1    |
| 16   | 7-194-40  | GROMMET / TRANS. SHIFTER HARNESS   | 1    |
| 17   | 7-153-01  | ARM REST PAD                       | 1    |
| 18   | 7-132-03  | DASH PANEL / RH SIDE               | 1    |
| 19   | 7-132-04  | DASH PANEL / LH SIDE               | 1    |
| 20   | 7-132-08  | STEP / CAB                         | 1    |
| 21   | 6-5208-10 | CAPSCREW 1/2 NC x 1 1/4 LG.        | 2    |
| 22   | 6-6211-08 | LOCKWASHER 1/2                     | 2    |
| 23   | 7-154-01  | MIRROR / INTERIOR                  | 1    |
| 24   | 6-6284-05 | MACHINE SCREW #10-24 x 3/4 LG.     | 2    |
| 25   | 6-6286-07 | LOCKWASHER #10                     | 2    |
| 26   | 7-146-01  | SWITCH / IGNITION / KEY            | REF  |
| 27   | 7-144-02  | HOLE PLUG / 5/8 / ETHER BUTTON     | 1    |
| 28   | 7-144-03  | HOLE PLUG / 3/4 / WIPER SHAFT      | 1    |
| 29   | 7-144-10  | HOLE PLUG / 1 3/16 / 12V ACC. PLUG | 1    |
| 30   | 7-144-12  | HOLE PLUG / 1/4 / WIPER BOLTS      | 2    |
| 31   | 7-144-08  | HOLE PLUG / 5/16 / DIFF. LOCK      | 2    |
| 32   | 7-144-09  | HOLE PLUG / 1 1/8 / DIFF. LOCK     | 1    |
| 33   | 7-132-22  | BOLT / TRI-WING                    | REF  |
| 34   | 7-132-24  | GLASS / REAR WINDOW-CLEAR          | REF  |
| 35   | 7-132-09  | GLASS / RH SOLID-CLEAR             | REF  |
| 36   | 7-132-25  | ACCESS PANEL / JOYSTICK            | REF  |
| 37   | 7-132-26  | COVER / LOWER HOSE                 | REF  |
| 38   | 7-132-11  | SIDE CONSOLE / BOLT-ON             | REF  |
| 39   | 7-132-12  | CONSOLE COVER / LOWER FRONT        | REF  |
| 40   | 7-132-13  | SEAT RISER                         | REF  |
| 41   | 7-132-14  | COVER / SEAT BOX                   | REF  |
| 42   | 7-132-15  | COVER / FOOT PEDAL                 | REF  |
| 43   | 7-132-16  | COVER / SIDE ACCESS                | REF  |
| 44   | 7-132-17  | COVER / HOSE                       | REF  |
| 45   | 7-132-18  | COVER / FUSE PANEL                 | REF  |
| 46   | 7-132-19  | MOUNT / FAN                        | REF  |
| 47   | 7-132-20  | COVER / JOYSTICK                   | REF  |
| 48   | 7-132-21  | GRILL / HEATER                     | REF  |

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



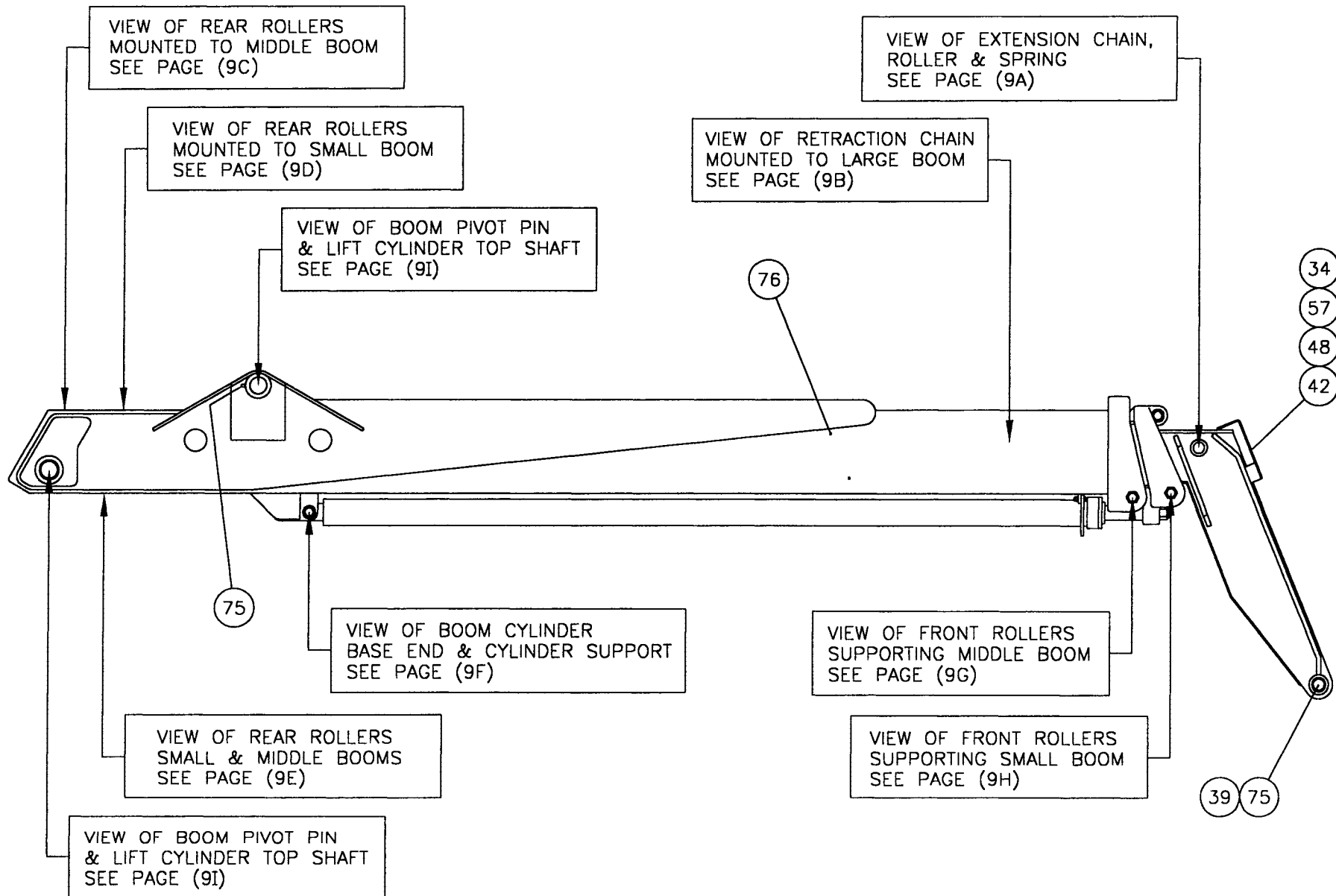
| ITEM | NUMBER    | DESCRIPTION                            | REQD |
|------|-----------|----------------------------------------|------|
| 1    | P4-2068   | ENGINE and PUMP ASSEMBLY               | REF  |
| 2    | 7-126-354 | TRANSMISSION ASSEMBLY                  | 1    |
| 3    | 7-229-672 | AXLE ASSEMBLY / FRONT                  | 1    |
| 4    | 7-229-373 | AXLE ASSEMBLY / REAR                   | 1    |
| 5    | 6-6201-06 | HEX NUT 3/8 NC                         | 8    |
| 6    | 7-229-889 | DRIVESHAFT / FRONT                     | 1    |
| 7    | 7-229-888 | DRIVESHAFT / REAR                      | 1    |
| 8    | 1-1239    | BASE PLATE / SWAY MOUNT                | 4    |
| 9    | 3-1401    | MOUNT / SWAY / RH & LH                 | 4    |
| 10   | 6-6211-06 | LOCKWASHER 3/8                         | 24   |
| 11   | 6-6212-10 | FLATWASHER 5/8                         | 4    |
| 12   | 6-5306-14 | CAPSCREW 3/8 NF x 1 3/4 LG.            | 8    |
| 13   | 7-326-01  | RUBBER MOUNT / ENGINE                  | 4    |
| 14   | 6-8510-40 | CAPSCREW 10mm x 1.5 x 40mm LG.         | 11   |
| 15   | 6-9111-10 | LOCKWASHER 10mm                        | 11   |
| 16   | 6-5312-48 | CAPSCREW 3/4 NF x 6 LG.                | 8    |
| 17   | 6-5310-32 | CAPSCREW 5/8 NF x 4 LG.                | 4    |
| 18   | 6-6211-10 | LOCKWASHER 5/8                         | 4    |
| 19   | 6-6202-10 | HEX NUT 5/8 NF                         | 4    |
| 20   | 6-5312-68 | CAPSCREW 3/4 NF x 8 1/2 LG.            | 16   |
| 21   | 6-6211-12 | LOCKWASHER 3/4                         | 24   |
| 22   | 6-6202-12 | HEX NUT 3/4 NF                         | 24   |
| 23   | 6-8112-35 | CAPSCREW 12mm x 1.75 x 35mm LG.        | 5    |
| 24   | 6-9111-12 | LOCKWASHER 12mm                        | 5    |
| 25   | 3-1360-1  | MOUNT / TRANSMISSION / LH              | 1    |
| 26   | 3-1360-2  | MOUNT / TRANSMISSION / RH              | 1    |
| 27   | 6-5206-12 | CAPSCREW 3/8 NC x 1 1/2 LG.            | 8    |
| 28   | 6-5306-14 | CAPSCREW 3/8 NF x 1 3/4 LG.            | 8    |
| 29   | 7-229-895 | STRAP / DRIVESHAFT U-JOINT             | 4    |
| 30   | 7-229-896 | FLANGE 12-POINT SCREW 3/8 NF x 3/4 LG. | 8    |

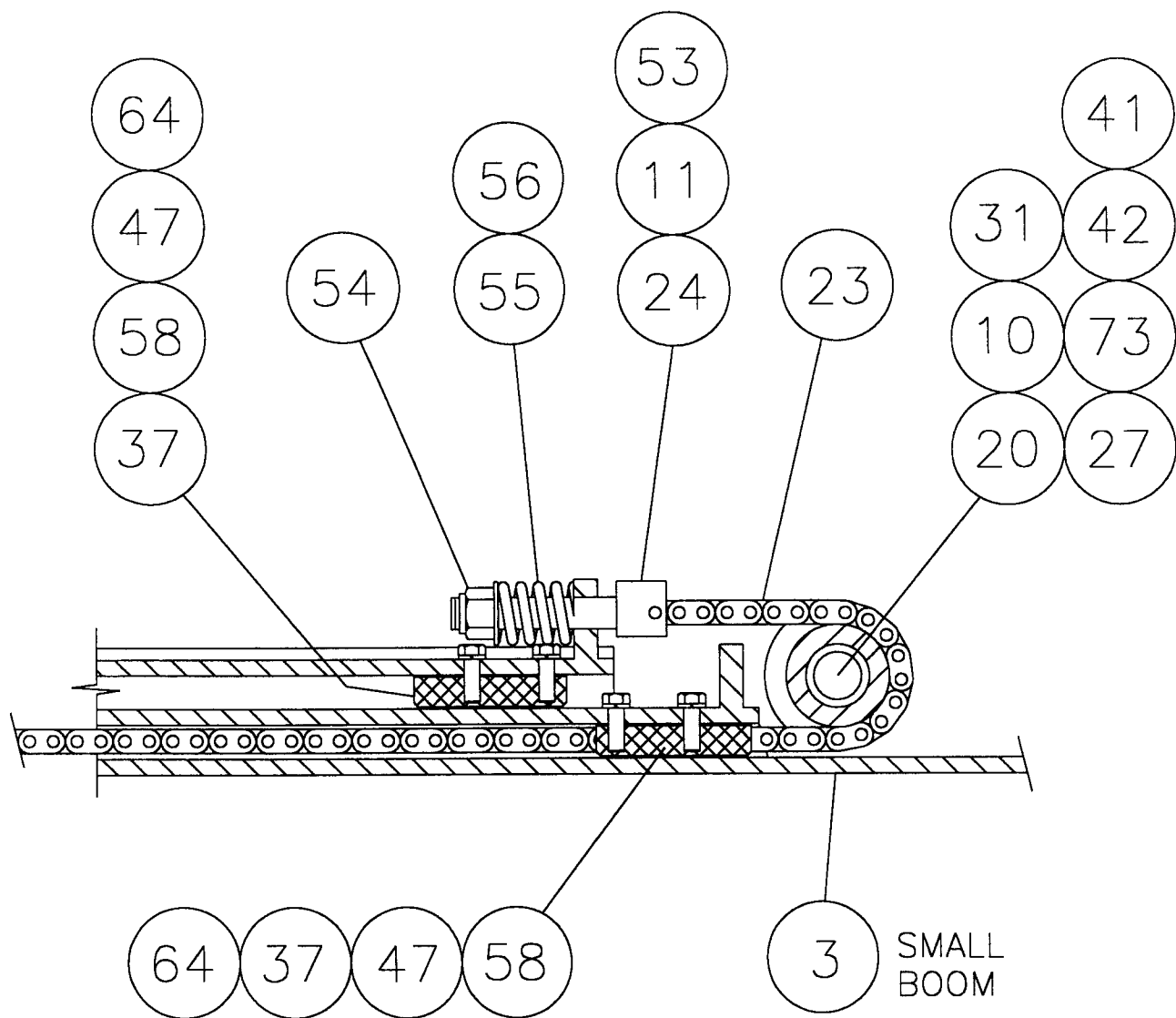


| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 7-183-131 | ENGINE ASSY / JD-4045T            | 1    |
| 2    | 7-345-113 | PUMP / PISTON TYPE / 60cc         | 1    |
| 3    | 4-2056    | MOUNT / ENGINE / FRONT            | 1    |
| 4    | 7-362-05  | RADIATOR                          | 1    |
| 5    | 7-158-72  | RADIATOR HOSE / UPPER             | 1    |
| 6    | 7-158-73  | RADIATOR HOSE / LOWER             | 1    |
| 7    | 4-2065    | UPPER RADIATOR MOUNT              | 1    |
| 8    | 7-190-04  | RUBBER MOUNT / CENTER BONDED      | 3    |
| 9    | 6-6252-07 | CLAMP / RADIATOR HOSE             | 2    |
| 10   | 6-6252-09 | CLAMP / RADIATOR HOSE             | 2    |
| 11   | 6-8112-35 | CAPSCREW 12mm x 1.75 x 35mm       | 6    |
| 12   | 6-9111-12 | LOCKWASHER 12mm                   | 6    |
| 13   | 6-5206-16 | CAPSCREW 3/8 NC x 2 LG.           | 3    |
| 14   | 6-6205-06 | SELF LOCKING NUT 3/8 NC           | 3    |
| 15   | 7-183-38  | FAN / BLOWER / 18 IN. (w/ ENGINE) | REF  |
| 16   | 6-5208-20 | CAPSCREW 1/2 NC x 2 1/2 LG.       | 4    |
| 17   | 6-6212-08 | FLATWASHER 1/2                    | 4    |
| 18   | 6-6211-08 | LOCKWASHER 1/2                    | 4    |
| 19   | 7-190-02  | WASHER / BONDED RUBBER MOUNT      | 3    |
| 20   | 4-1685    | FAN GUARD / 18 IN. FAN            | 1    |
| 21   | 6-5205-08 | CAPSCREW 5/16 NC x 1 LG.          | 4    |
| 22   | 6-6211-05 | LOCKWASHER 5/16                   | 4    |
| 23   | 6-6212-06 | FLATWASHER 3/8                    | 4    |
| 24   | 7-183-96  | SPACER / FAN / 2 IN. (w/ ENGINE)  | REF  |
| 25   | 7-126-517 | GASKET / PUMP DRIVE               | 1    |

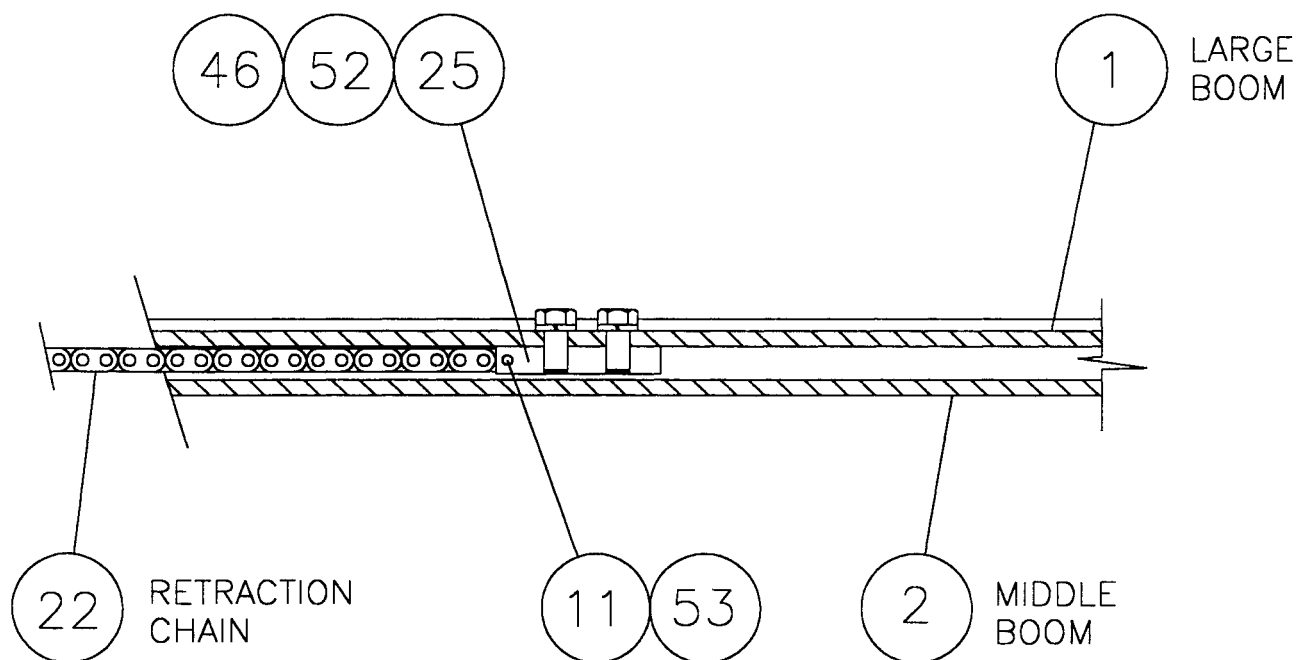
## NOTES

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal black lines running across the width of the page, typical of notebook or primary writing paper. The background is white, and there are no margins, text, or other markings present.

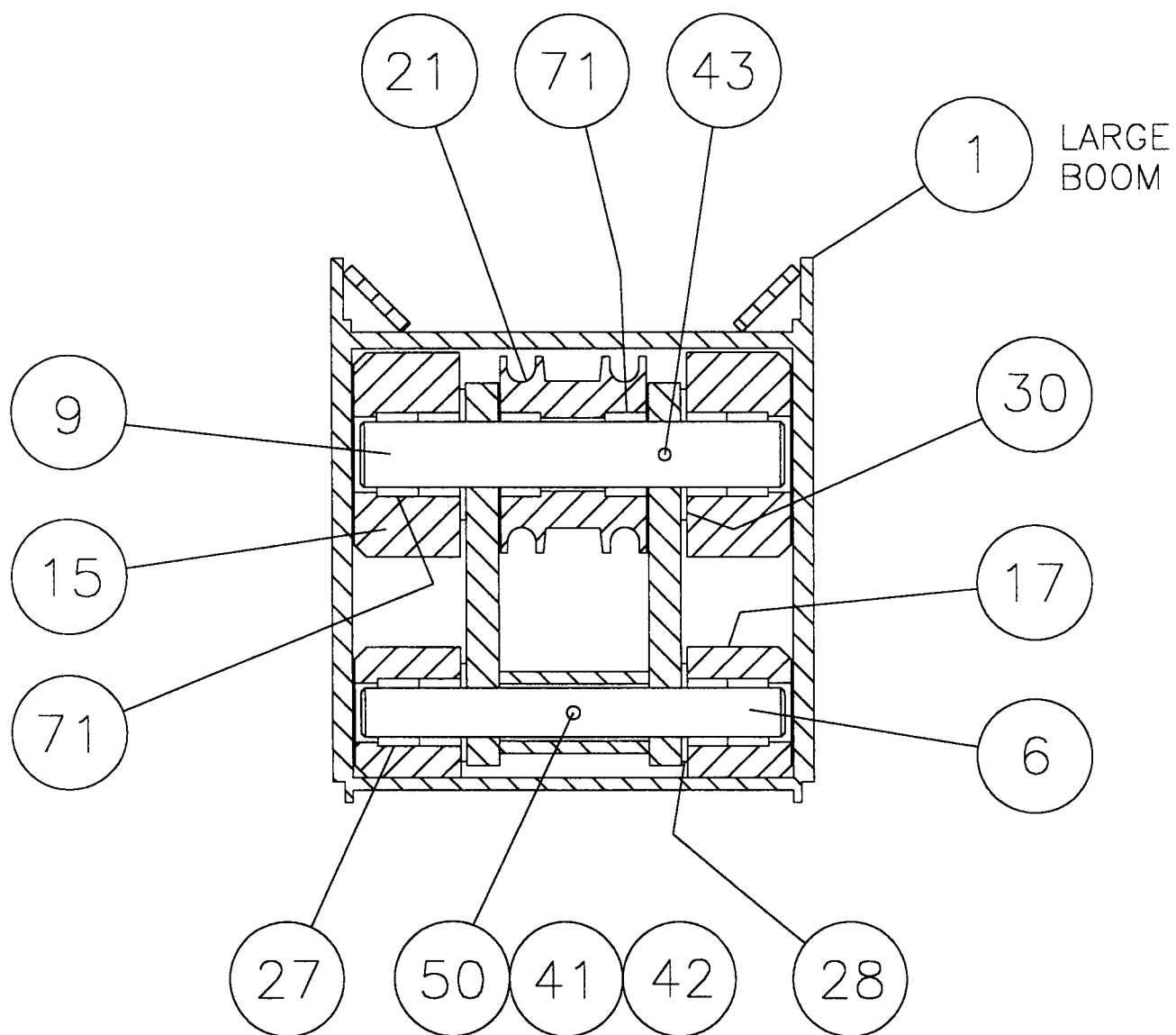




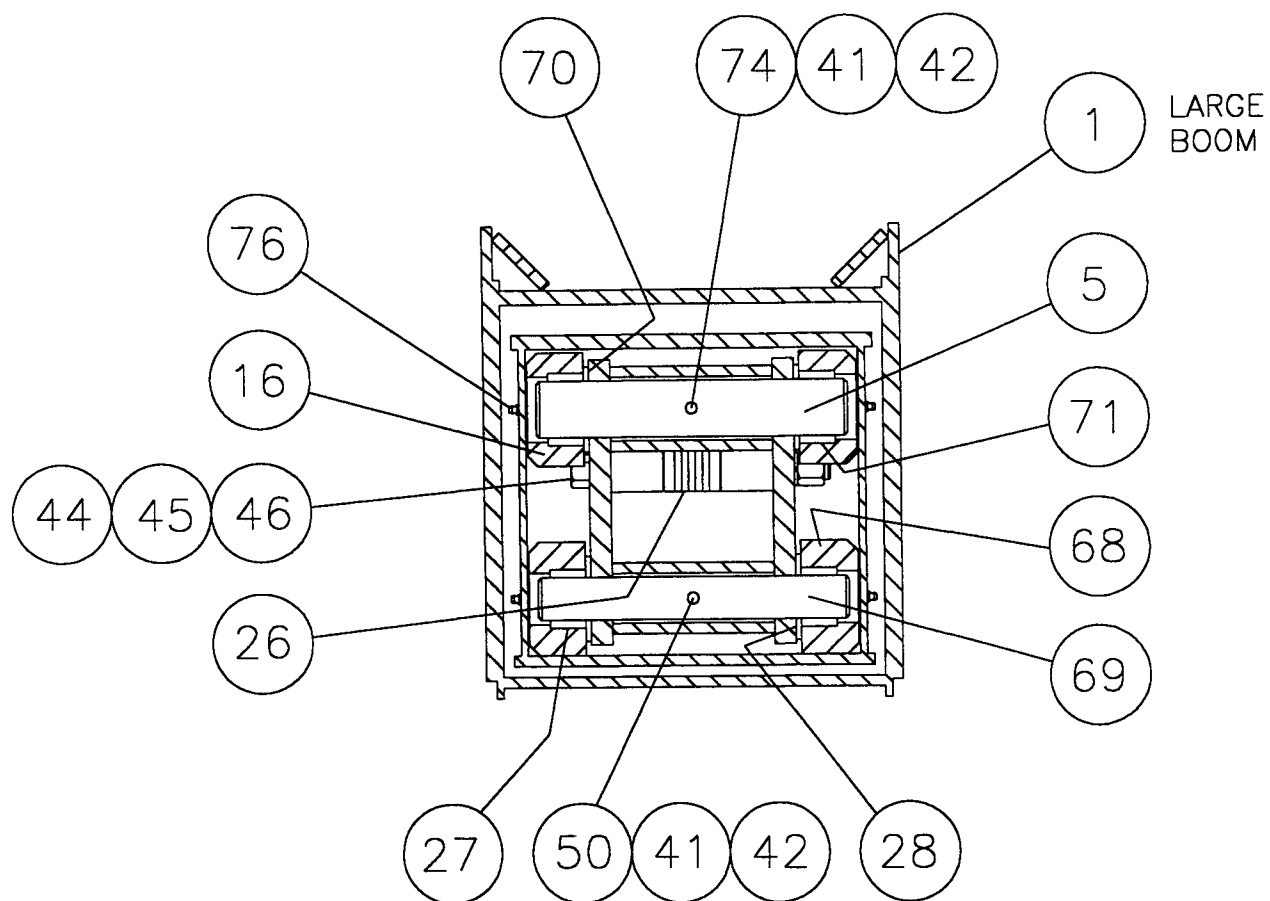
VIEW OF EXTENSION  
CHAIN, ROLLER, & SPRING



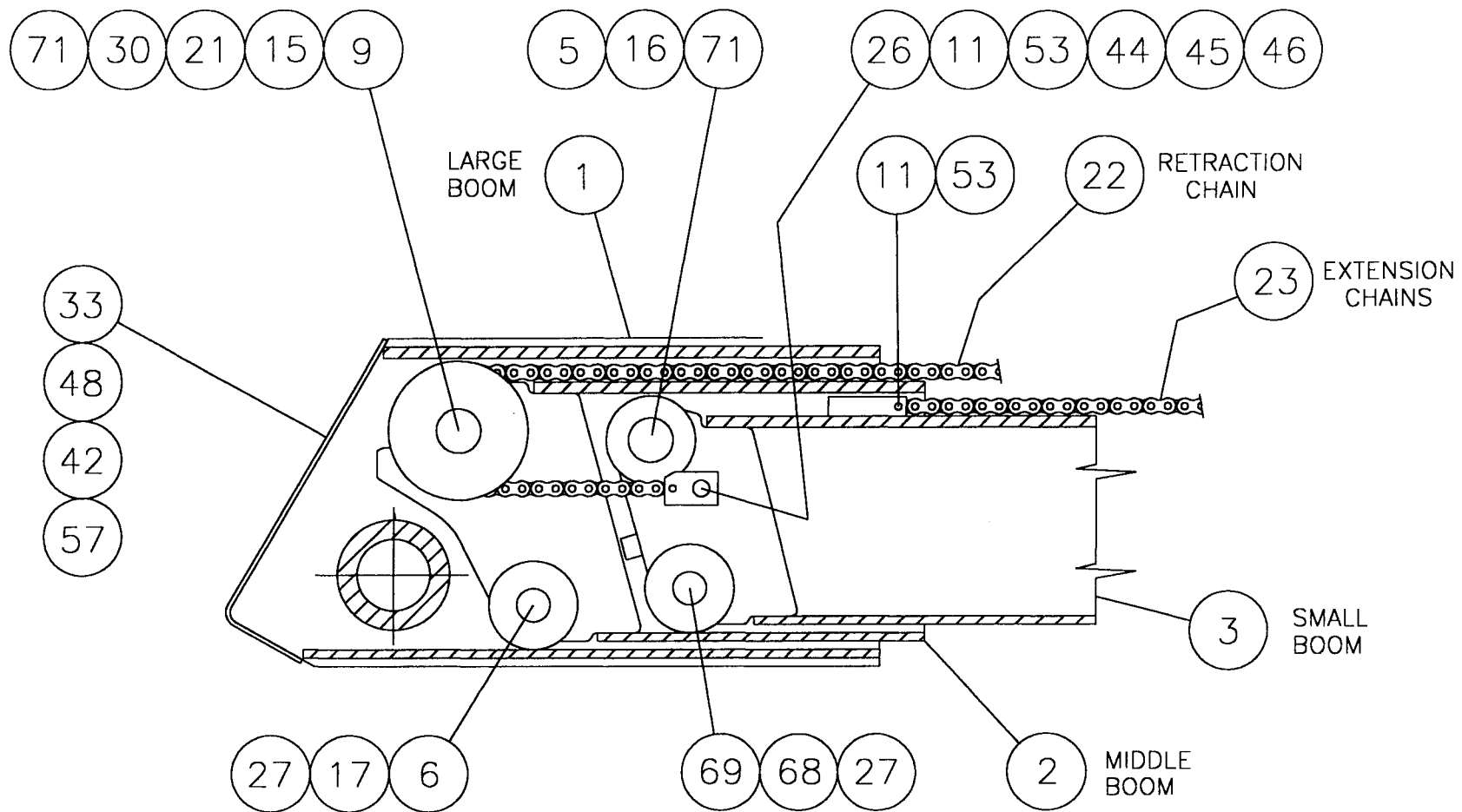
VIEW OF RETRACTION CHAIN  
MOUNTED TO LARGE BOOM



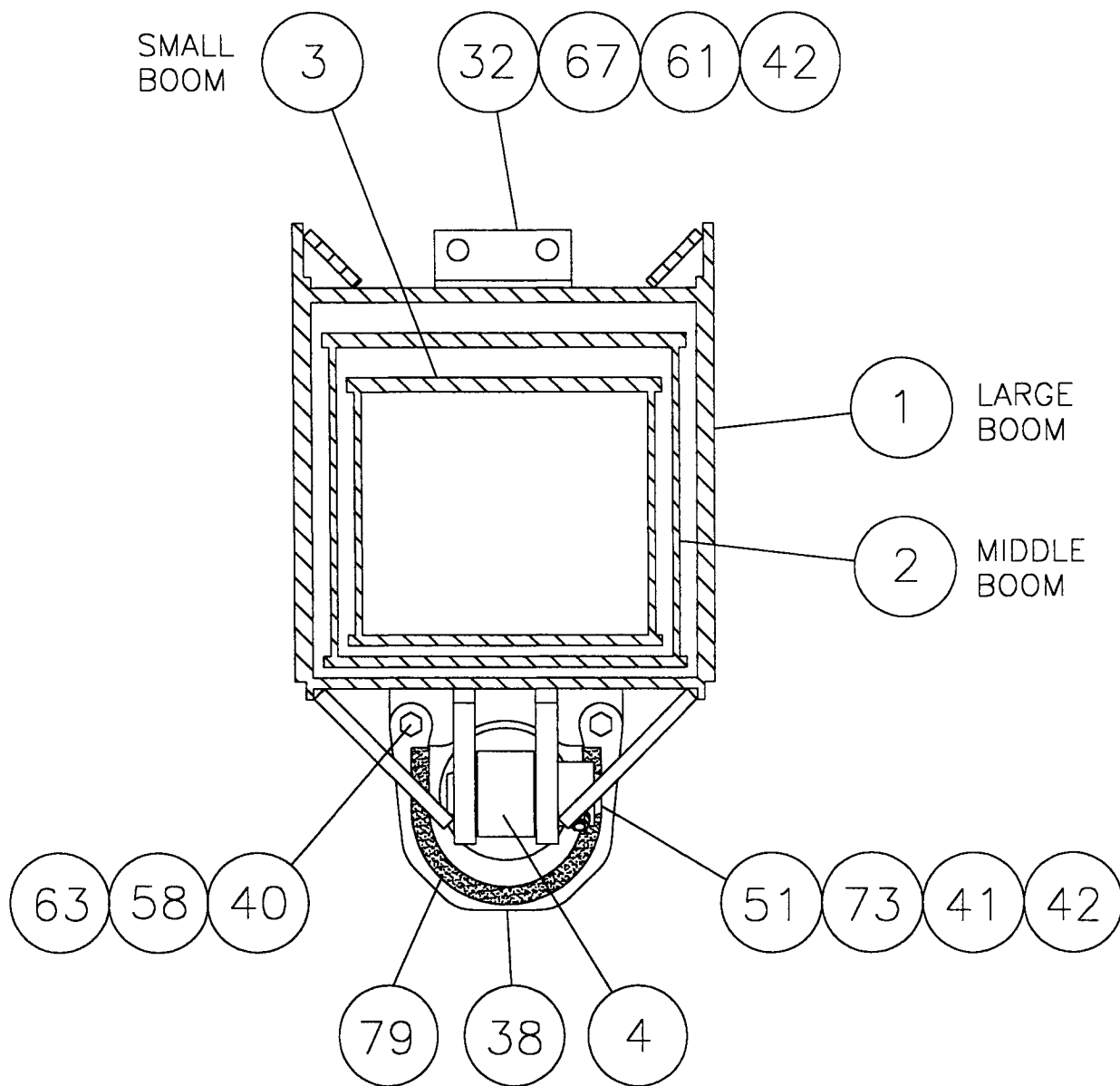
VIEW OF REAR ROLLERS  
MOUNTED TO MIDDLE BOOM



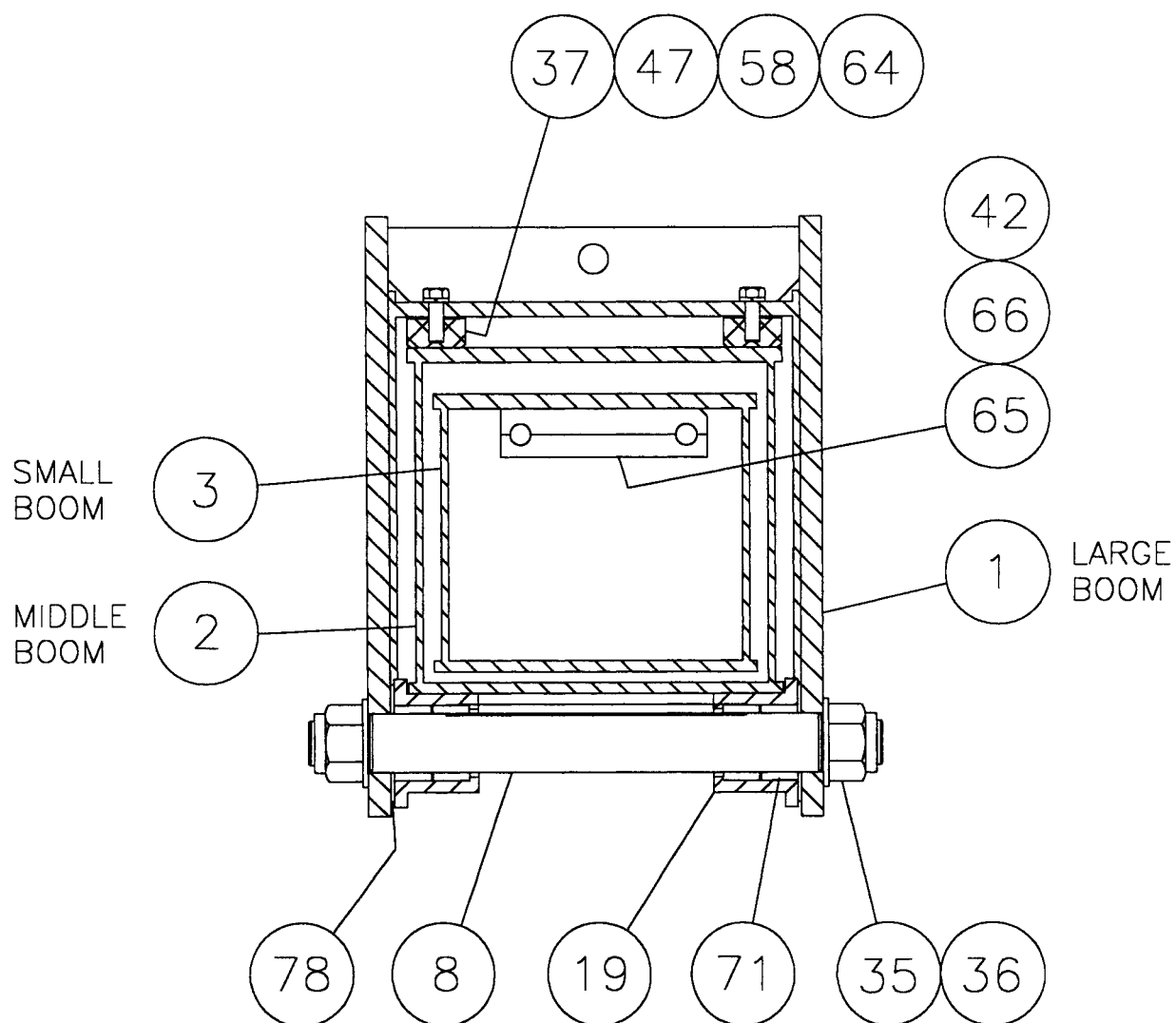
VIEW OF REAR ROLLERS  
MOUNTED TO SMALL BOOM



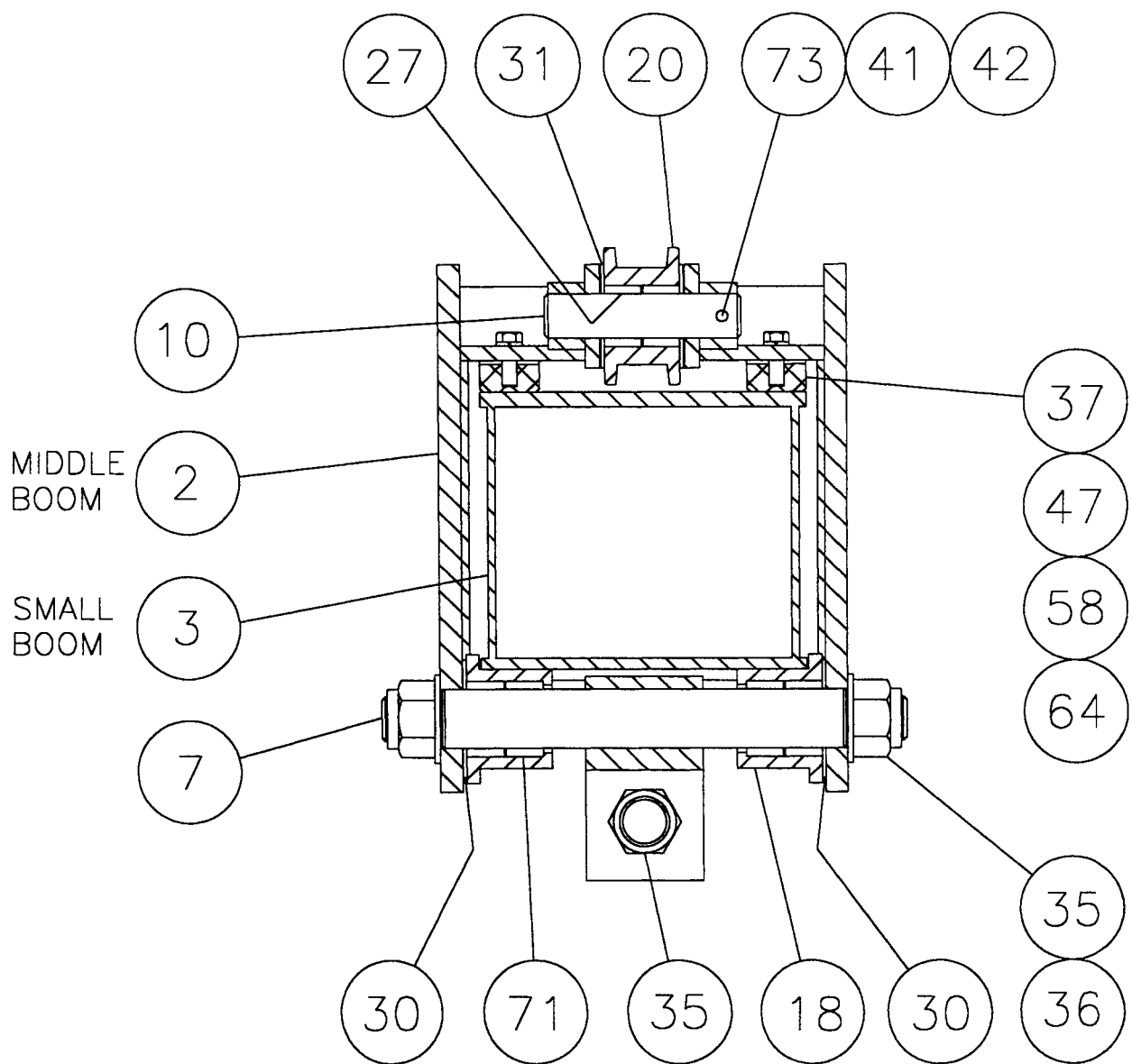
VIEW OF REAR ROLLERS  
SMALL & MIDDLE BOOMS



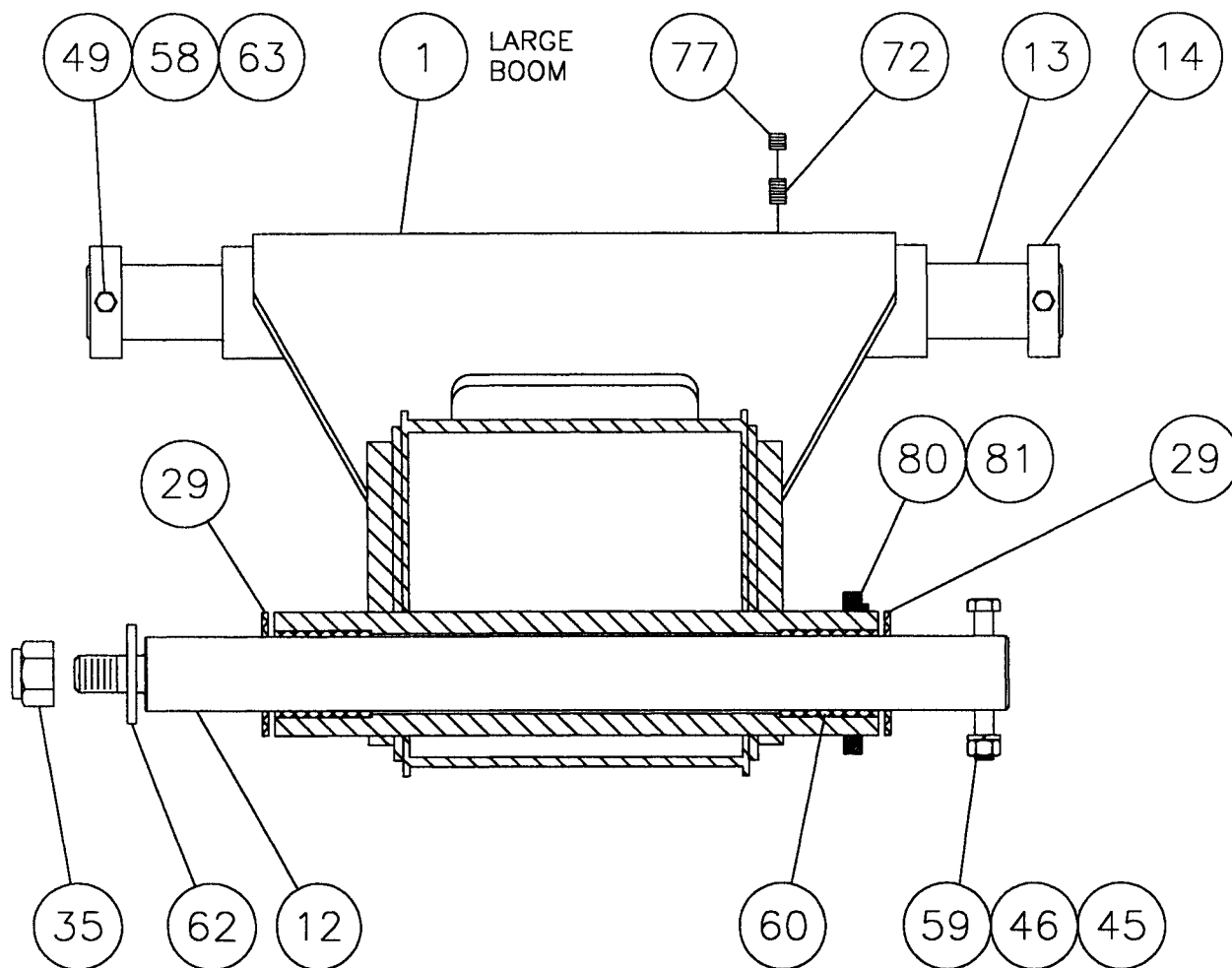
VIEW OF BOOM CYLINDER  
BASE END & HEAD SUPPORT



VIEW OF FRONT ROLLERS  
SUPPORTING MIDDLE BOOM



VIEW OF FRONT ROLLERS  
SUPPORTING SMALL BOOM

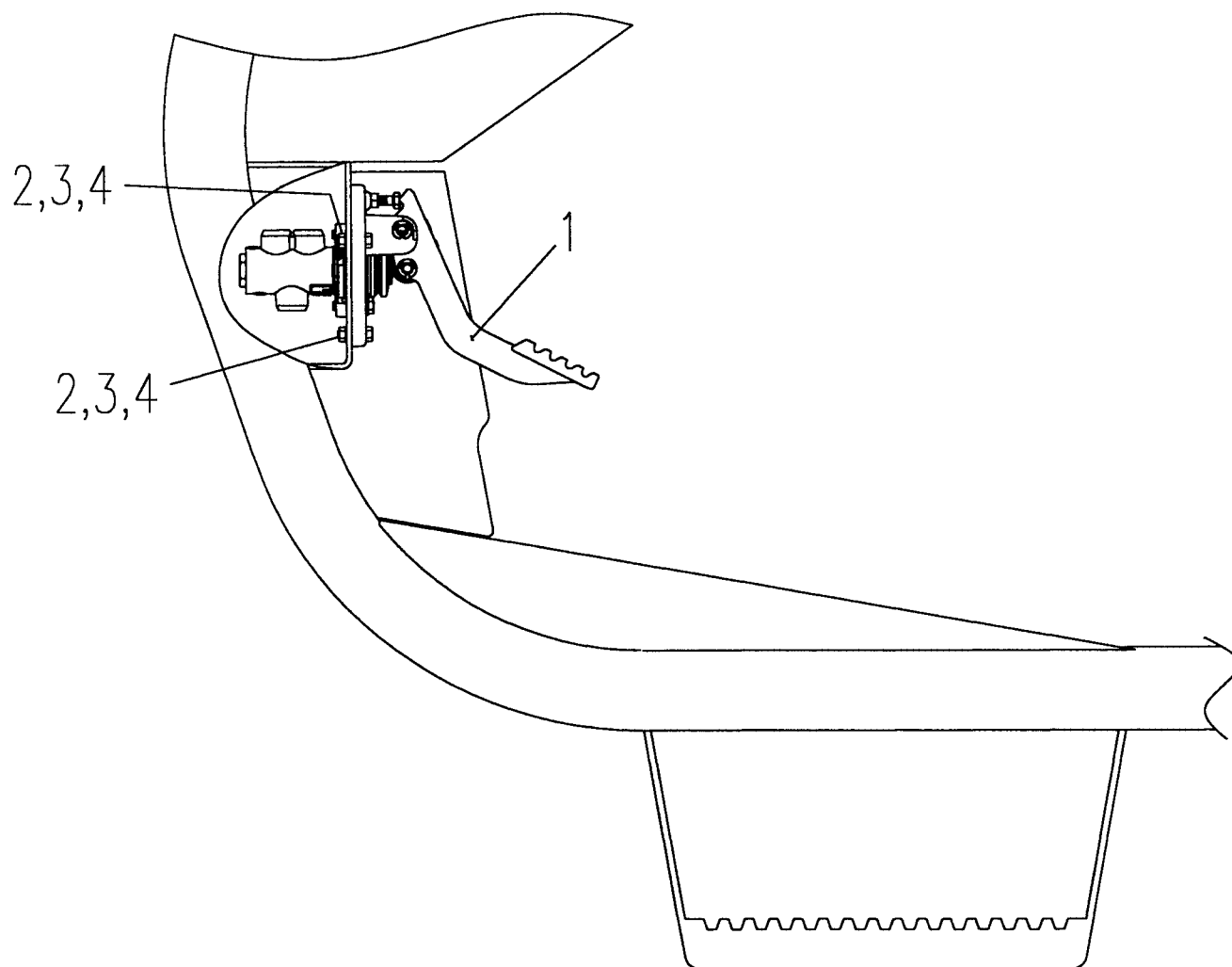


VIEW OF BOOM PIVOT PIN  
& LIFT CYLINDER TOP SHAFT

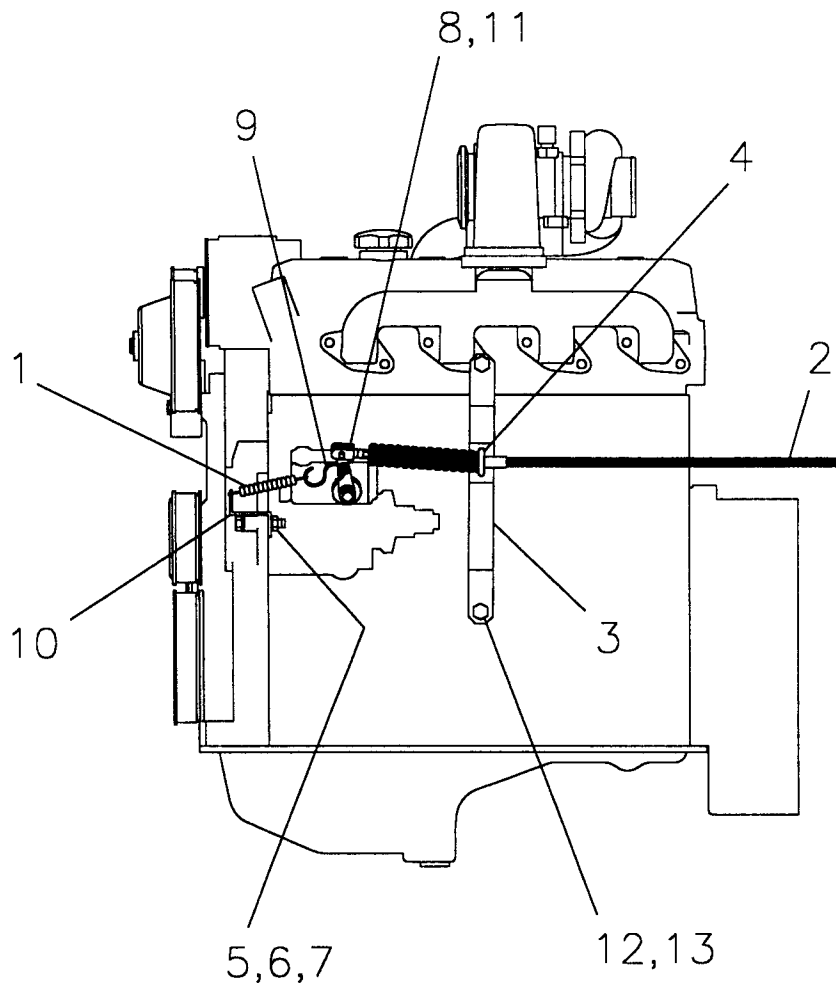
| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 4-2212    | LARGE BOOM                       | 1    |
| 2    | 4-2213    | MIDDLE BOOM                      | 1    |
| 3    | 4-1513    | SMALL BOOM                       | 1    |
| 4    | 7-316-211 | BOOM CYLINDER                    | REF  |
| 5    | 4-1449-1  | PIN / S-BOOM / REAR-TOP          | 1    |
| 6    | 4-1073-2  | PIN / M-BOOM / REAR-BOT          | 1    |
| 7    | 4-1449-6  | PIN / M-BOOM / FRONT-BOT         | 1    |
| 8    | 4-1073-6  | PIN / L-BOOM / FRONT-BOT         | 1    |
| 9    | 4-1073-3  | PIN / M-BOOM / REAR-TOP          | 1    |
| 10   | 3-1191-6  | PIN / FRONT CHAIN SHEAVE         | 1    |
| 11   | 2-1052-3  | PIN / LEAF CHAIN                 | 4    |
| 12   | 3-1154-5  | CROSS SHAFT / MAIN PIVOT         | 1    |
| 13   | 3-1092-3  | CROSS SHAFT / HEAD LIFT CYLINDER | REF  |
| 14   | 6-2524-10 | COLLAR                           | REF  |
| 15   | 4-1074-1B | ROLLER / M-BOOM / REAR-TOP       | 2    |
| 16   | 4-1475-1B | ROLLER / S-BOOM / REAR-TOP       | 2    |
| 17   | 4-1074-2B | ROLLER / M-BOOM / REAR-BOT       | 2    |
| 18   | 4-1475-2B | ROLLER / M-BOOM / FRONT-BOT      | 2    |
| 19   | 4-1475-2B | ROLLER / L-BOOM / FRONT-BOT      | 2    |
| 20   | 4-1246-4B | SHEAVE / CHAIN / FRONT           | 1    |
| 21   | 4-1074-8B | SHEAVE / HOSE                    | 1    |
| 22   | 1-1013-4  | LEAF CHAIN / RETRACTION          | 1    |
| 23   | 1-1013-3  | LEAF CHAIN / EXTENSION           | 1    |
| 24   | 4-1237-1  | CHAIN ANCHOR / ADJUSTABLE        | 1    |
| 25   | 4-1237-2  | CHAIN ANCHOR / BOLT-ON           | 1    |
| 26   | 4-1237-4  | CHAIN ANCHOR / PINNED            | 1    |
| 27   | 7-193-05  | NEEDLE BEARING / 1.500 ID        | REF  |
| 28   | 6-6600-02 | THRUST WASHER 3.00 x 1.50 x .188 | 4    |
| 29   | 6-6600-14 | THRUST WASHER 5.00 x 3.00 x .250 | 2    |
| 30   | 6-6600-05 | THRUST WASHER 4.00 x 2.00 x .188 | 4    |
| 31   | 6-6600-12 | THRUST WASHER 3.50 x 1.50 x .125 | 2    |
| 32   | 3-1244-1  | MANIFOLD BLOCK                   | 1    |
| 33   | 3-1396    | COVER / REAR ACCESS              | 1    |
| 34   | 3-1280    | GUARD / TILT VALVE               | 1    |
| 35   | 6-6206-24 | SELF-LOCKING NUT 1 1/2 NF        | 6    |
| 36   | 6-6215-24 | FLATWASHER 1 1/2                 | 4    |
| 37   | 2-1184    | WEAR PAD / BOOM                  | 4    |
| 38   | 4-1713-1  | SUPPORT / BOOM CYLINDER          | 1    |
| 39   | 6-4516-24 | BRONZE BUSHING / SMALL BOOM      | REF  |
| 40   | 6-5208-14 | CAPSCREW 1/2 NC x 1 3/4 LG.      | 2    |
| 41   | 6-6201-06 | HEX NUT 3/8 NC                   | 4    |
| 42   | 6-6211-06 | LOCKWASHER 3/8                   | 14   |
| 43   | 6-6275-04 | SETSCREW 3/8 NC x 3/4 LG.        | 2    |
| 44   | 6-5312-68 | CAPSCREW 3/4 NF x 8 1/2 LG.      | 1    |
| 45   | 6-6202-12 | HEX NUT 3/4 NF                   | 2    |
| 46   | 6-6211-12 | LOCKWASHER 3/4                   | 4    |
| 47   | 6-5208-10 | CAPSCREW 1/2 NC x 1 1/4 LG.      | 8    |
| 48   | 6-5206-06 | CAPSCREW 3/8 NC x 3/4 LG.        | 6    |
| 49   | 6-5208-44 | CAPSCREW 1/2 NC x 5 1/2 LG.      | REF  |
| 50   | 6-5206-24 | CAPSCREW 3/8 NC x 3 LG.          | 2    |

| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 51   | 2-1090     | PIN / BASE BOOM CYLINDER         | REF  |
| 52   | 6-5312-12  | CAPSCREW 3/4 NF x 1 1/2 LG.      | 2    |
| 53   | 6-6243-06  | COTTER PIN 3/32 x 3/4 LG.        | 8    |
| 54   | 7-142-01   | SELF-LOCKING NUT 1-12 THD.       | 1    |
| 55   | 7-194-01   | SPRING / COMPRESSION             | 1    |
| 56   | 6-6215-16  | FLATWASHER 1.0                   | 1    |
| 57   | 6-6212-06  | FLATWASHER 3/8                   | 6    |
| 58   | 6-6211-08  | LOCKWASHER 1/2                   | 10   |
| 59   | 6-5312-48  | CAPSCREW 3/4 NF x 6 LG.          | 1    |
| 60   | 6-4524-32  | BRONZE BUSHING / LARGE BOOM      | REF  |
| 61   | 6-5206-20  | CAPSCREW 3/8 NC x 2 1/2 LG.      | 2    |
| 62   | 1-1306     | WASHER / STEEL                   | 1    |
| 63   | 6-6201-08  | HEX NUT 1/2 NC                   | 2    |
| 64   | 1-1101-3   | SHIM / 3/16                      | 4    |
| 65   | 2-1109     | CLAMP / 1/2 HOSE                 | 1    |
| 66   | 6-5206-18  | CAPSCREW 3/8 NC x 2 1/4 LG.      | 2    |
| 67   | 3-1244-2   | SPACER / MANIFOLD BLOCK          | 1    |
| 68   | 4-1074-3B  | ROLLER / S-BOOM / REAR-BOT       | 2    |
| 69   | 4-1073-1   | PIN / S-BOOM / REAR-BOT          | 1    |
| 70   | 6-6600-03  | THRUST WASHER 3.00 x 2.00 x .188 | 2    |
| 71   | 7-193-07   | NEEDLE BEARING / 2.000 ID        | REF  |
| 72   | 6-6275-05  | SETSCREW 5/8 NC x 1 LG.          | 1    |
| 73   | 6-5206-22  | CAPSCREW 3/8 NC x 2 3/4 LG.      | 1    |
| 74   | 6-5206-28  | CAPSCREW 3/8 NC x 3 1/2 LG.      | 1    |
| 75   | 6-6301     | LUBE FITTING 1/8 NPT STR         | 4    |
| 76   | 6-6306     | LUBE FITTING 1/4-28 STR          | 8    |
| 77   | 6-6275-07  | SETSCREW 5/8 NC x 5/8 LG.        | 1    |
| 78   | 6-6600-06  | THRUST WASHER 4.00 x 2.00 x .125 | 2    |
| 79   | 6-9600-105 | EDGING 1/2 x 13 1/8 LG.          | 1    |
| 80   | 3-1404     | SWITCH ACTIVATOR                 | 1    |
| 81   | 6-6275-04  | SETSCREW / 3/8 NC x 3/4 LG.      | 3    |

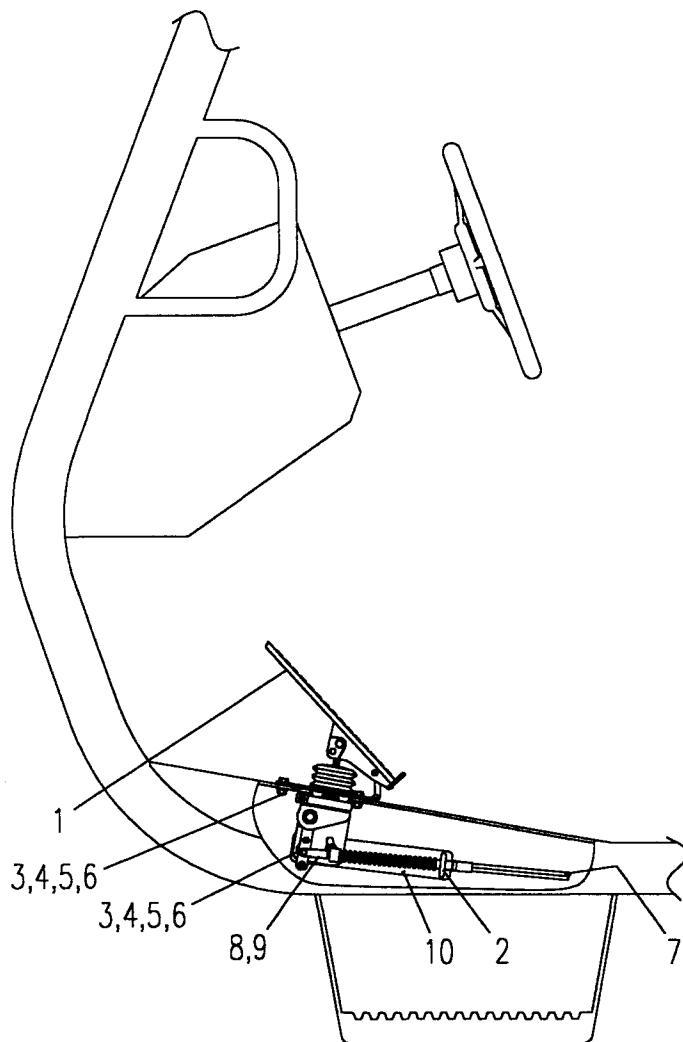
## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



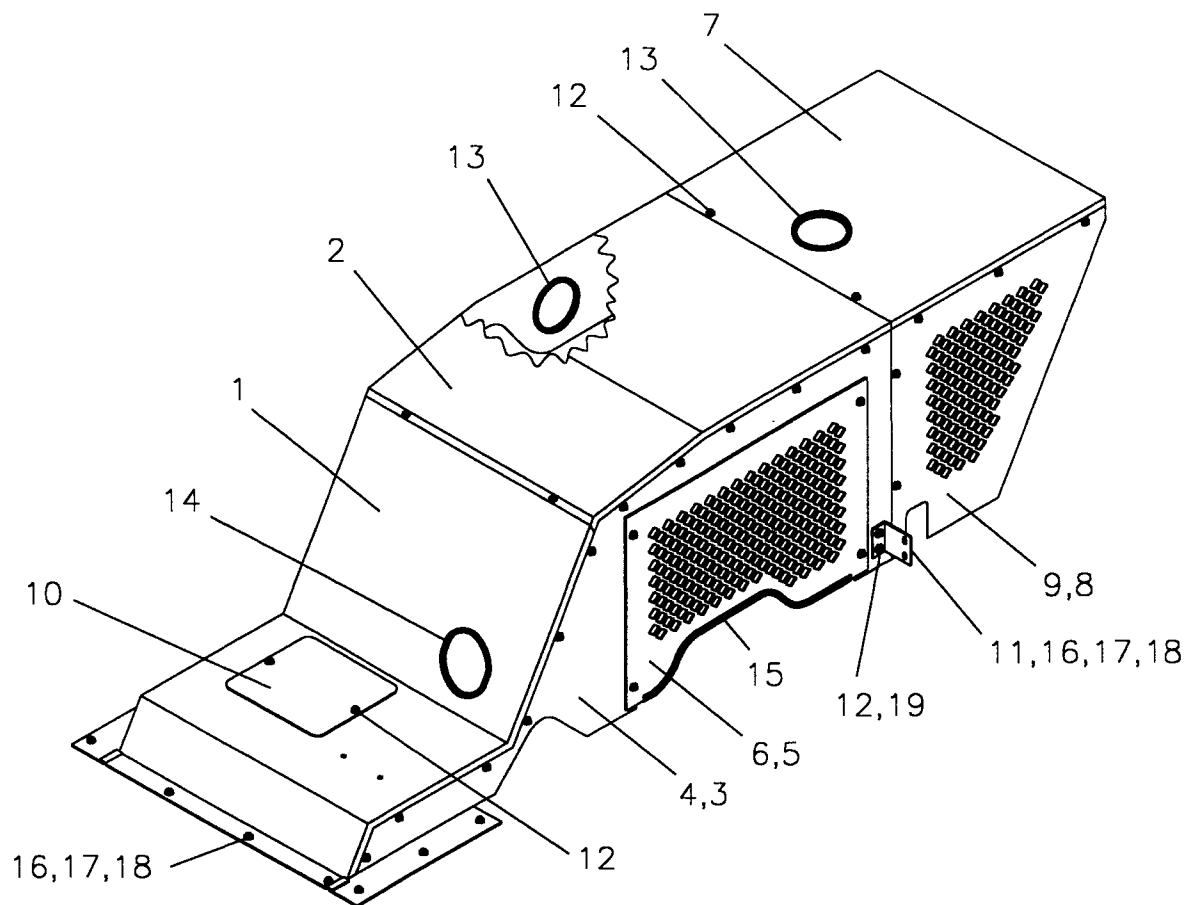
| ITEM | NUMBER    | DESCRIPTION                 | REQD |
|------|-----------|-----------------------------|------|
| 1    | 7-198-48  | BRAKE PEDAL / HANGING       | REF  |
| 2    | 6-5206-10 | CAPSCREW 3/8 NC x 1 1/4 LG. | 3    |
| 3    | 6-6211-06 | LOCKWASHER 3/8              | 3    |
| 4    | 6-6201-06 | HEX NUT 3/8 NC              | 3    |
| 5    | 7-198-49  | SEAL KIT (FOR ITEM 1)       | REF  |



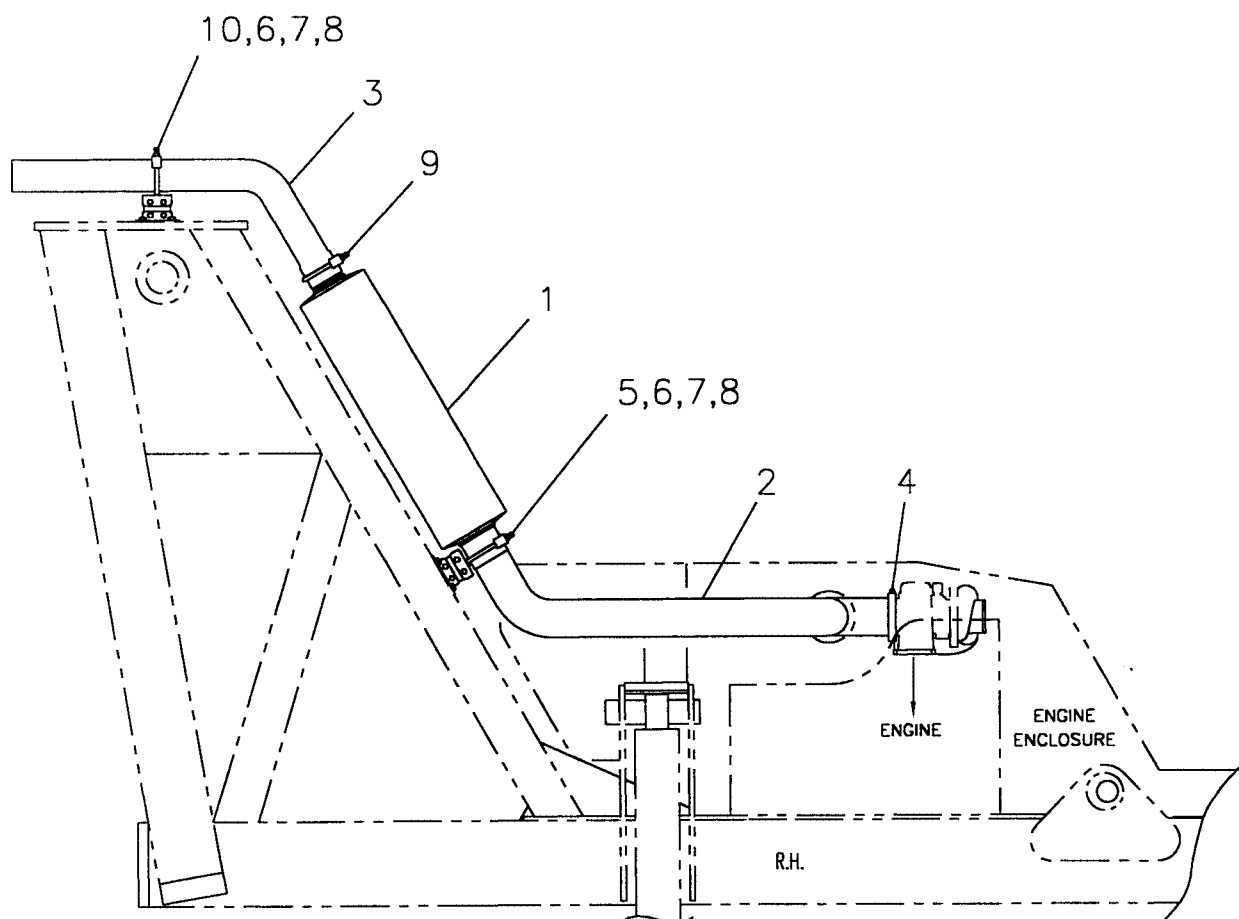
| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 7-194-20  | SPRING / RETURN                  | 1    |
| 2    | 7-266-02  | CABLE / ACCELERATOR              | REF  |
| 3    | 3-1213    | MOUNT / ACCELERATOR CABLE        | 1    |
| 4    | 7-194-07  | U-BOLT W/ NUTS                   | 1    |
| 5    | 6-8108-55 | CAPSCREW 8 mm x 1.25 x 55 mm LG. | 1    |
| 6    | 6-9111-08 | LOCKWASHER 8 mm                  | 1    |
| 7    | 6-9101-08 | HEX NUT 8 mm                     | 1    |
| 8    | 7-194-05  | YOKE W/ CLEVIS PIN & COTTER PIN  | 1    |
| 9    | 7-194-18  | S-HOOK                           | 1    |
| 10   | 1-1017    | MOUNT / RETURN SPRING            | 1    |
| 11   | 6-6208-04 | JAM NUT 1/4-28 (w/ CABLE)        | REF  |
| 12   | 6-8514-25 | CAPSCREW 14 mm x 2.0 x 25 mm LG. | REF  |
| 13   | 6-9111-14 | LOCKWASHER 14 mm                 | REF  |



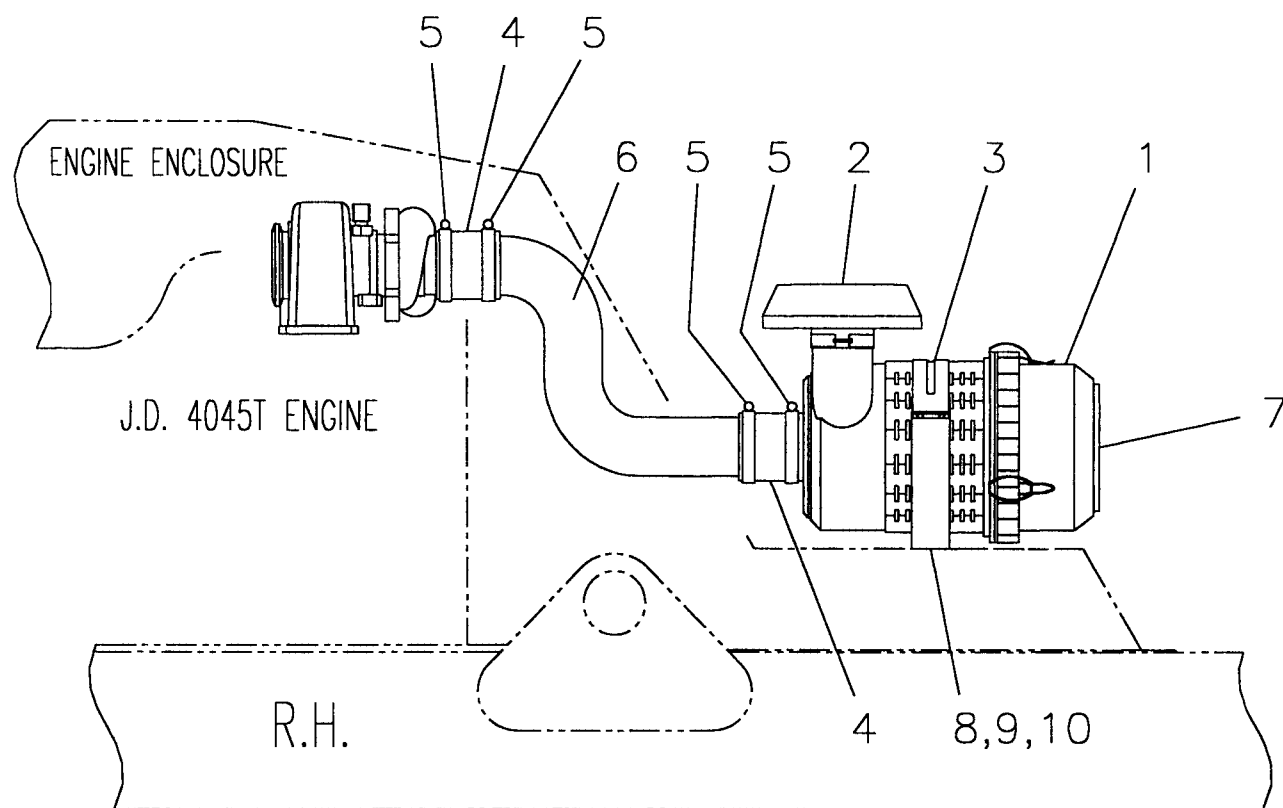
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-134-01  | PEDAL / ACCELERATOR             | 1    |
| 2    | 7-194-07  | U-BOLT w/ NUTS                  | 1    |
| 3    | 6-5204-06 | CAPSCREW 1/4 NC x 3/4 LG.       | 5    |
| 4    | 6-6212-04 | FLATWASHER 1/4                  | 5    |
| 5    | 6-6211-04 | LOCKWASHER 1/4                  | 5    |
| 6    | 6-6201-04 | HEX NUT 1/4 NC                  | 5    |
| 7    | 7-266-02  | CABLE / ACCELERATOR             | 1    |
| 8    | 7-194-05  | YOKE w/ CLEVIS PIN & COTTER PIN | 1    |
| 9    | 6-6208-04 | JAM NUT 1/4-28 (w/ CABLE)       | REF  |
| 10   | 2-1259    | BRACKET / ACCELERATOR CABLE     | 1    |



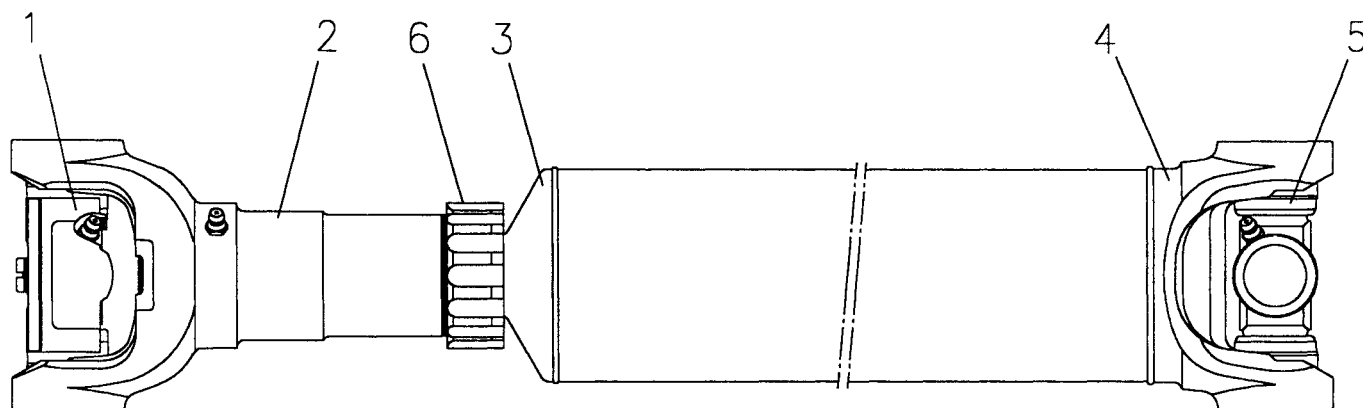
| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 4-2201-1   | TOP FRONT COVER / FRONT HOUSING  | 1    |
| 2    | 4-1742-2   | TOP REAR COVER / FRONT HOUSING   | 1    |
| 3    | 4-1742-3   | SIDE PLATE / RH / FRONT HOUSING  | 1    |
| 4    | 4-2071-4   | SIDE PLATE / LH / FRONT HOUSING  | 1    |
| 5    | 4-1742-5   | SIDE SCREEN / RH / FRONT HOUSING | 1    |
| 6    | 4-1742-6   | SIDE SCREEN / LH / FRONT HOUSING | 1    |
| 7    | 4-1742-7   | TOP COVER / REAR HOUSING         | 1    |
| 8    | 4-1742-8   | SIDE PLATE / RH / REAR HOUSING   | 1    |
| 9    | 4-1742-9   | SIDE PLATE / LH / REAR HOUSING   | 1    |
| 10   | 4-1717-7   | ACCESS COVER / FRONT HOUSING     | 1    |
| 11   | 4-1728-10  | SUPPORT BRACKET / FRONT HOUSING  | 2    |
| 12   | 7-290-01   | BODY BOLT 5/16 NC x 3/4 LG.      | 51   |
| 13   | 6-9601-134 | EDGING 1/4 x 16 3/4 LG.          | 2    |
| 14   | 6-9601-178 | EDGING 1/4 x 22 1/4 LG.          | 1    |
| 15   | 6-9601-232 | EDGING 1/4 x 29 LG.              | 2    |
| 16   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.        | 13   |
| 17   | 6-6211-06  | LOCKWASHER 3/8                   | 13   |
| 18   | 6-6212-06  | FLATWASHER 3/8                   | 13   |
| 19   | 6-6212-05  | FLATWASHER 5/16                  | 4    |
| 20   | 4-2201     | ENGINE ENCLOSURE (ITEMS 1-11)    | REF  |



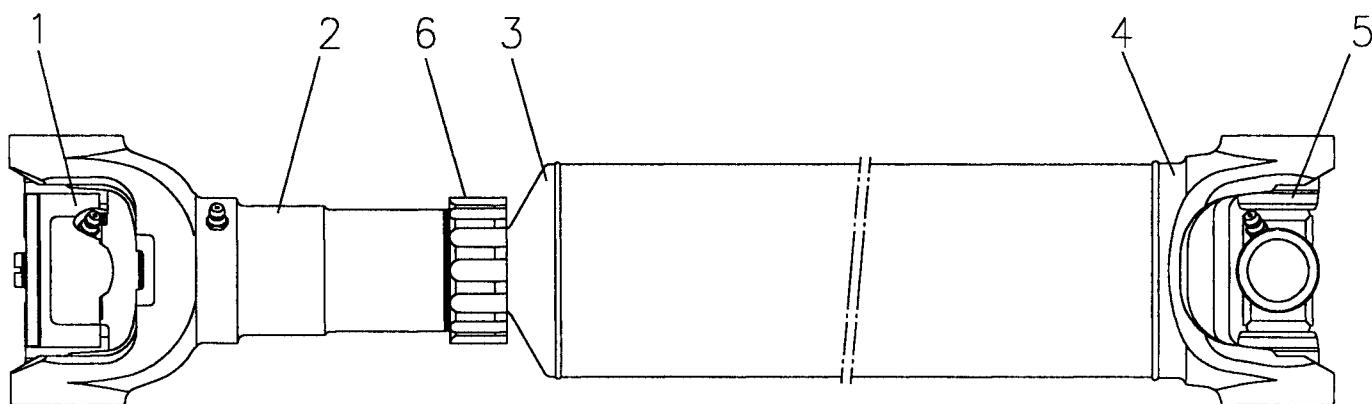
| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 7-282-05  | MUFFLER                          | 1    |
| 2    | 4-1741    | EXHAUST PIPE                     | 1    |
| 3    | 3-1349    | TAILPIPE                         | 1    |
| 4    | 7-183-98  | CLAMP / V-FLANGE (w/ ENGINE)     | REF  |
| 5    | 3-1481    | EXHAUST BRACKET ASSY / 3 1/2 IN. | 1    |
| 6    | 6-5206-08 | CAPSCREW 3/8 NC x 1 LG.          | 4    |
| 7    | 6-6211-06 | LOCKWASHER 3/8                   | 4    |
| 8    | 6-6212-06 | FLATWASHER 3/8                   | 4    |
| 9    | 7-319-14  | CLAMP / MUFFLER / 3 1/4 IN.      | 1    |
| 10   | 3-1400    | EXHAUST BRACKET ASSEMBLY / 3 IN. | 1    |



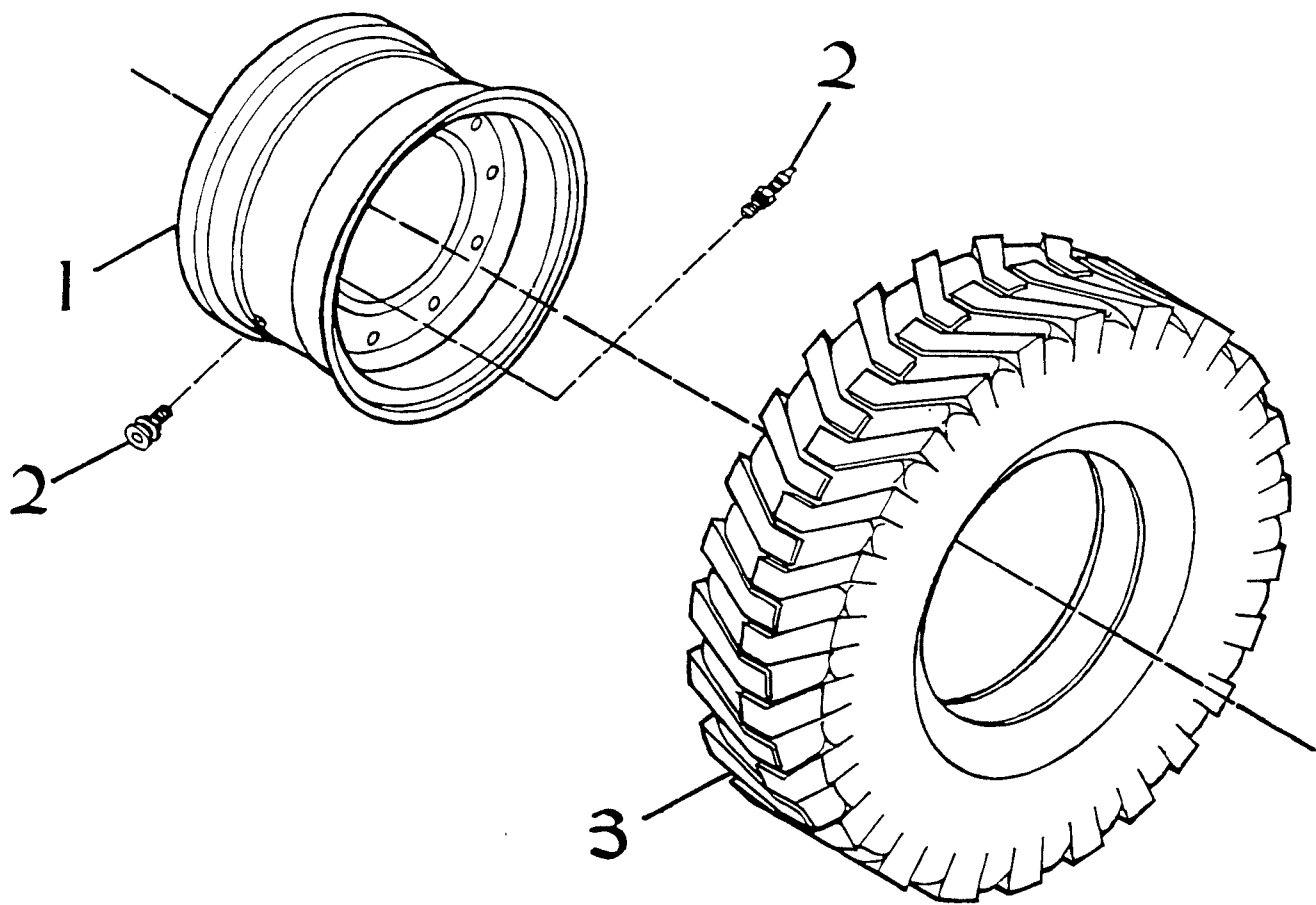
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-109-01  | AIR CLEANER ASSEMBLY           | 1    |
| 2    | 7-109-02  | HOOD                           | 1    |
| 3    | 7-109-03  | MOUNTING BAND                  | 1    |
| 4    | 6-9619-26 | RUBBER HOSE 3 I.D. x 3 1/4 LG. | 2    |
| 5    | 6-6252-13 | CLAMP / WORM / 3 IN.           | 4    |
| 6    | 3-1454    | AIR INLET PIPE                 | 1    |
| 7    | 7-109-04  | FILTER / PRIMARY               | REF  |
| 8    | 6-5205-10 | CAPSCREW 5/16 NC x 1 1/4 LG.   | 2    |
| 9    | 6-6212-05 | FLATWASHER 5/16                | 2    |
| 10   | 6-6205-05 | SELF LOCKING NUT 5/16 NC       | 2    |



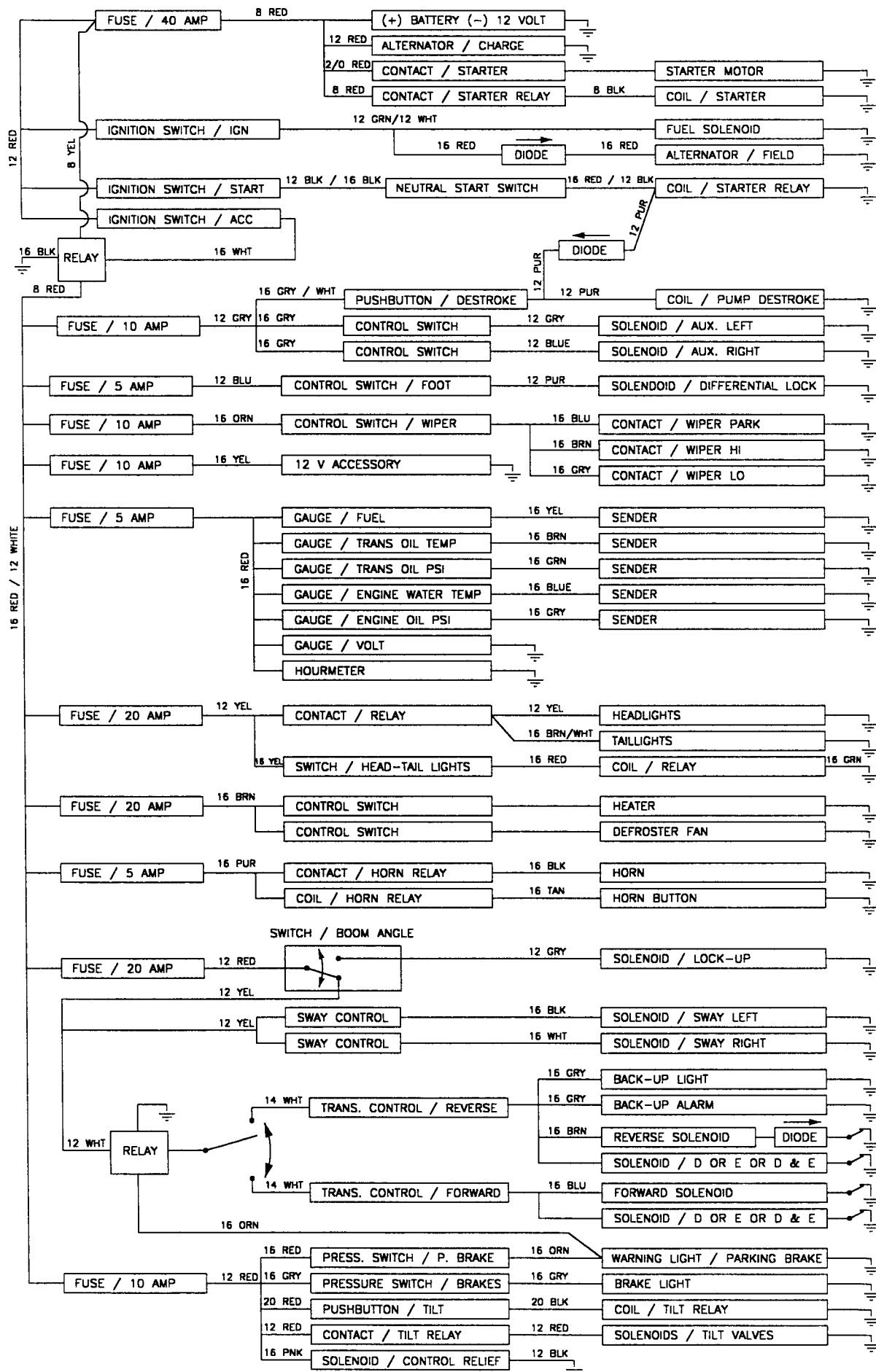
| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 7-229-897 | CROSS & BEARING ASSEMBLY          | 1    |
| 2    | 7-229-898 | SLIP YOKE                         | 1    |
| 3    | 7-229-899 | SLIP STUB                         | 1    |
| 4    | 7-229-900 | WELD YOKE                         | 1    |
| 5    | 7-229-901 | CROSS & BEARING ASSEMBLY          | 1    |
| 6    | 7-229-902 | DUST CAP & SEAL KIT               | 1    |
| 7    | 7-229-888 | DRIVESHAFT ASSY (INCL. ITEMS 1-6) | REF  |



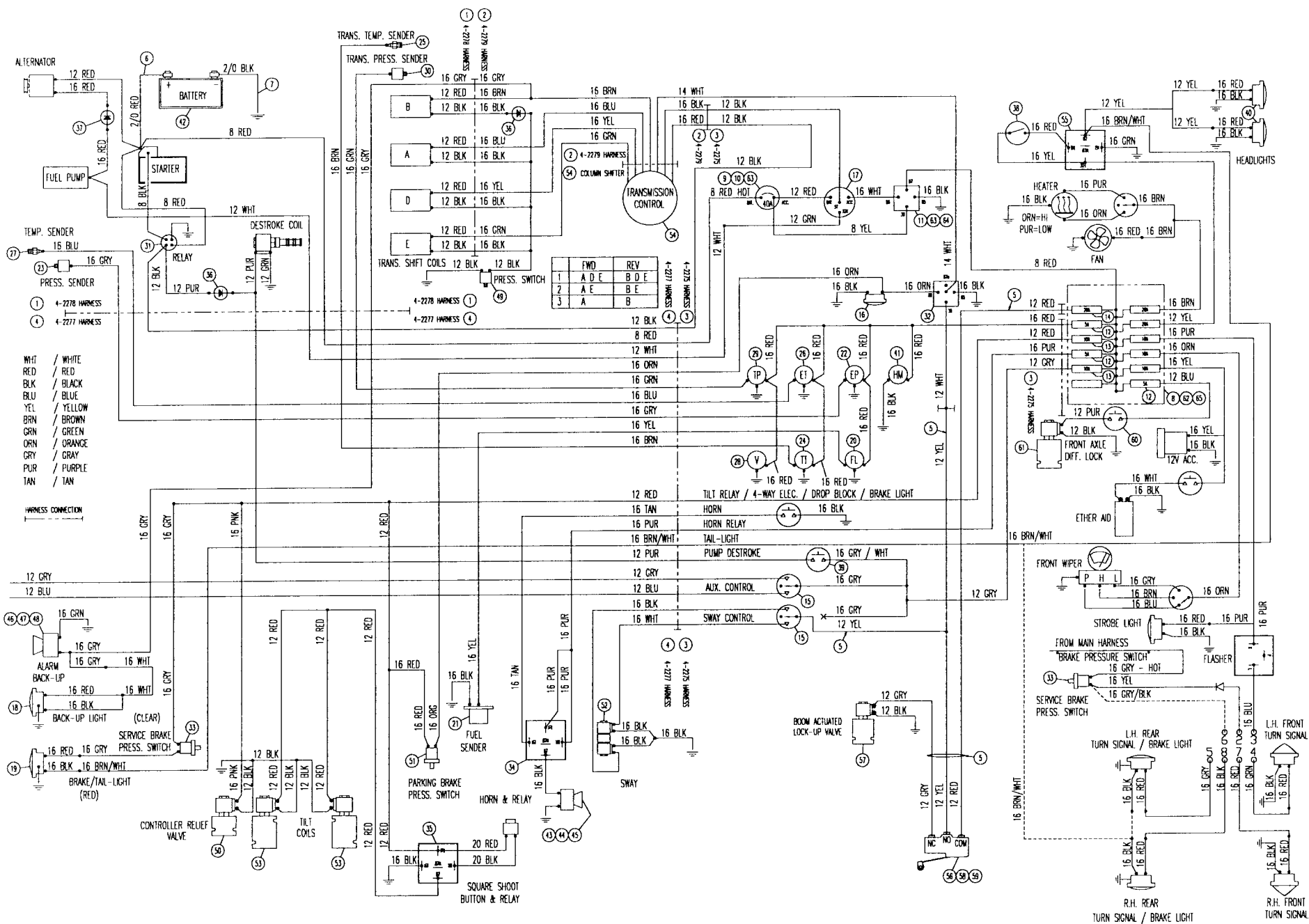
| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 7-229-897 | CROSS & BEARING ASSEMBLY          | 1    |
| 2    | 7-229-898 | SLIP YOKE                         | 1    |
| 3    | 7-229-899 | SLIP STUB                         | 1    |
| 4    | 7-229-900 | WELD YOKE                         | 1    |
| 5    | 7-229-901 | CROSS & BEARING ASSEMBLY          | 1    |
| 6    | 7-229-902 | DUST CAP & SEAL KIT               | 1    |
| 7    | 7-229-889 | DRIVESHAFT ASSY (INCL. ITEMS 1-6) | REF  |



| ITEM | NUMBER   | DESCRIPTION                    | REQD |
|------|----------|--------------------------------|------|
| 1    | 7-335-10 | WHEEL                          | 1    |
| 2    | 7-286-01 | VALVE STEM / AIR-CHLORIDE-FOAM | 1    |
| 3    | 7-335-11 | TIRE 13.00 x 24                | 1    |
| 4    | 7-335-17 | TIRE & WHEEL ASSY / RH         | REF  |
| 5    | 7-335-18 | TIRE & WHEEL ASSY / LH         | REF  |



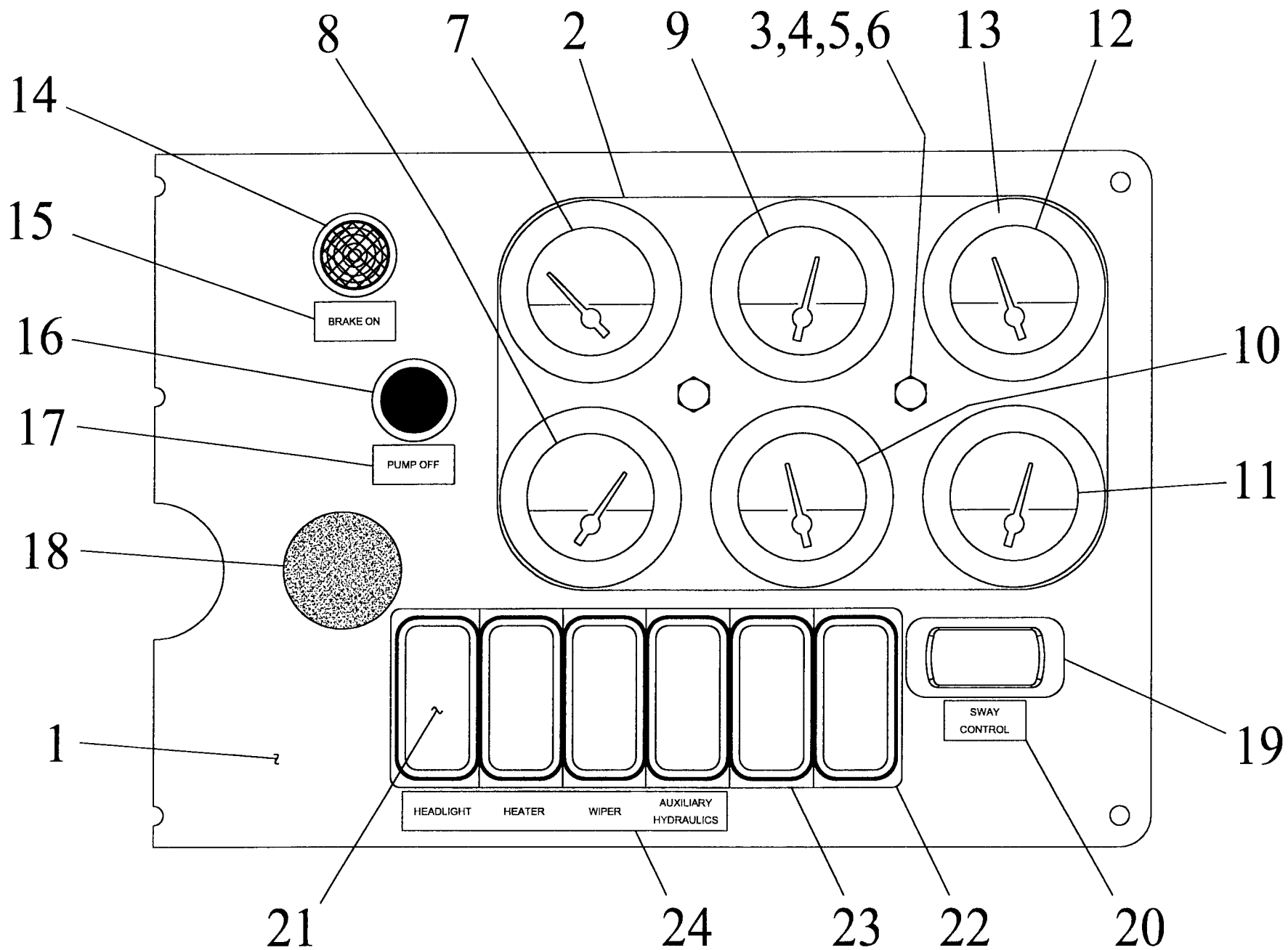
## DRAWING



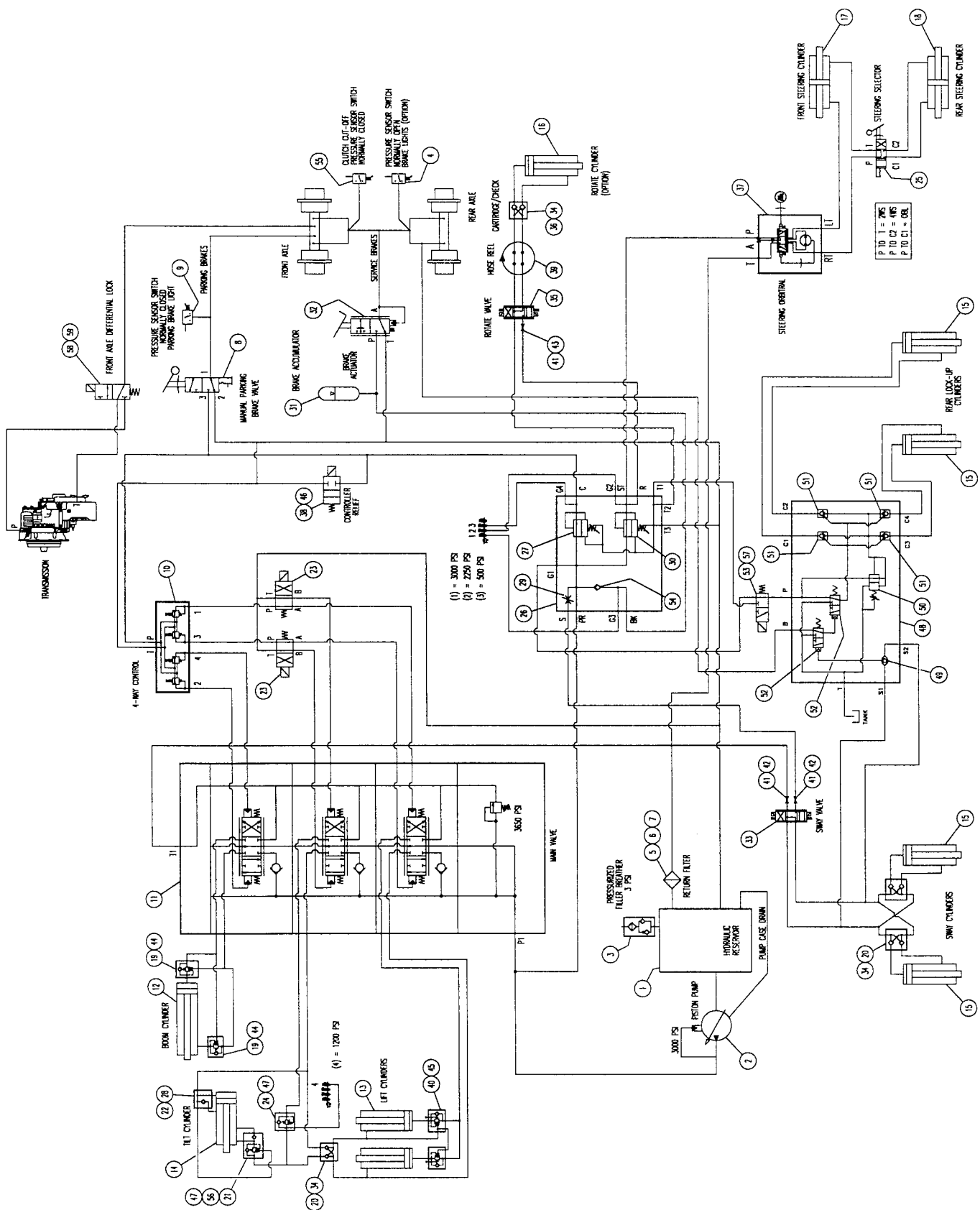
| ITEM | NUMBER      | DESCRIPTION                      | REQD |
|------|-------------|----------------------------------|------|
| 1    | 4-2278      | HARNESS / ENGINE & TRANS.        | 1    |
| 2    | 4-2279      | HARNESS / COLUMN MOUNTED SHIFTER | 1    |
| 3    | 4-2275      | HARNESS / INSTRUMENT PANEL       | 1    |
| 4    | 4-2277      | HARNESS / MAIN POWER             | 1    |
| 5    | 3-1487      | HARNESS / REAR LOCK-UP           | 1    |
| 6    | 6-7801-132B | BATTERY CABLE / RED              | REF  |
| 7    | 6-7802-88B  | BATTERY CABLE / BLACK            | REF  |
| 8    | 7-269-135   | FUSE BLOCK                       | 1    |
| 9    | 7-269-139   | CIRCUIT BREAKER / 40 AMP.        | 1    |
| 10   | 7-269-140   | BOOT / CIRCUIT BREAKER           | 1    |
| 11   | 7-269-142   | RELAY / HIGH CAPACITY            | 1    |
| 12   | 7-269-129   | FUSE / 5 AMP.                    | 3    |
| 13   | 7-269-130   | FUSE / 10 AMP.                   | 2    |
| 14   | 7-269-131   | FUSE / 20 AMP.                   | 1    |
| 15   | 7-139-04    | SWITCH / SWAY                    | REF  |
| 16   | 7-127-05    | LIGHT / WARNING                  | REF  |
| 17   | 7-146-01    | SWITCH / IGNITION / KEY          | 1    |
| 18   | 7-136-02    | LIGHT / BACK-UP                  | REF  |
| 19   | 7-136-03    | LIGHT / TAIL-BRAKE               | REF  |
| 20   | 7-172-02    | GAGE / FUEL                      | REF  |
| 21   | 7-172-03    | SENDER / FUEL                    | 1    |
| 22   | 7-172-04    | GAGE / ENGINE OIL PRESSURE       | REF  |
| 23   | 7-172-05    | SENDER / ENGINE OIL PRESSURE     | REF  |
| 24   | 7-172-06    | GAGE / TRANSMISSION OIL TEMP.    | REF  |
| 25   | 7-172-17    | SENDER / TRANSMISSION OIL TEMP.  | REF  |
| 26   | 7-172-08    | GAGE / ENGINE WATER TEMP.        | REF  |
| 27   | 7-172-09    | SENDER / ENGINE WATER TEMP.      | REF  |
| 28   | 7-172-10    | GAGE / VOLTMETER                 | REF  |
| 29   | 7-172-11    | GAGE / TRANSMISSION OIL PRESSURE | REF  |
| 30   | 7-172-16    | SENDER / TRANS. OIL PRESSURE     | REF  |
| 31   | 7-183-18    | RELAY / STARTER                  | REF  |
| 32   | 7-338-02    | RELAY / PARKING BRAKE            | 1    |
| 33   | 7-206-03    | PRESSURE SWITCH / BRAKE LIGHT    | REF  |
| 34   | 7-338-02    | RELAY / HORN                     | 1    |
| 35   | 7-338-02    | RELAY / TILT                     | 1    |
| 36   | 7-281-01    | DIODE / PUMP DESTROKE            | REF  |
| 37   | 7-281-01    | DIODE / ALTERNATOR               | REF  |
| 38   | 7-139-02    | SWITCH / HEADLIGHTS              | REF  |
| 39   | 7-319-03    | PUSHBUTTON / PUMP DESTROKE       | REF  |
| 40   | 7-338-03    | HEADLIGHT                        | REF  |
| 41   | 7-350-01    | HOURLMETER                       | 1    |
| 42   | 7-355-01    | BATTERY / 12 VOLT                | REF  |
| 43   | 7-369-01    | HORN                             | 1    |
| 44   | 6-5204-04   | CAPSCREW 1/4 NC x 1/2 LG.        | 1    |
| 45   | 6-6211-04   | LOCKWASHER 1/4                   | 1    |
| 46   | 7-375-01    | BACK-UP ALARM                    | 1    |
| 47   | 6-5205-04   | CAPSCREW 5/16 NC x 1/2 LG.       | 2    |
| 48   | 6-6211-05   | LOCKWASHER 5/16                  | 2    |
| 49   | 7-303-03    | PRESSURE SWITCH / CLUTCH CUT-OFF | REF  |
| 50   | 7-367-01    | VALVE / CONTROLLER RELIEF        | REF  |
| 51   | 7-303-02    | PRESSURE SWITCH / PARKING BRAKE  | REF  |
| 52   | 7-244-31    | VALVE / ELECTRIC 4-WAY / SWAY    | REF  |

| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 53   | 7-367-09  | VALVE / ELECTRIC 4-WAY / TILT  | REF  |
| 54   | 7-125-05  | TRANSMISSION CONTROL           | REF  |
| 55   | 7-338-02  | RELAY / HEADLIGHTS             | REF  |
| 56   | 7-101-04  | SWITCH / REAR LOCK-UP          | 1    |
| 57   | 7-367-13  | VALVE / REAR LOCK-UP           | REF  |
| 58   | 6-6284-03 | MACHINE SCREW #8-32 x 1 LG.    | 2    |
| 59   | 6-6286-11 | INTERNAL STARWASHER #8         | 2    |
| 60   | 7-127-09  | SWITCH / DIFF. LOCK            | REF  |
| 61   | 7-367-02  | VALVE / DIFF. LOCK             | REF  |
| 62   | 6-6284-06 | MACHINE SCREW #10-24 x 1 LG.   | 2    |
| 63   | 6-6284-10 | MACHINE SCREW #10-24 x 5/8 LG. | 2    |
| 64   | 6-6286-12 | FLATWASHER #10                 | 1    |
| 65   | 6-6286-06 | HEX NUT #10-32                 | 1    |

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



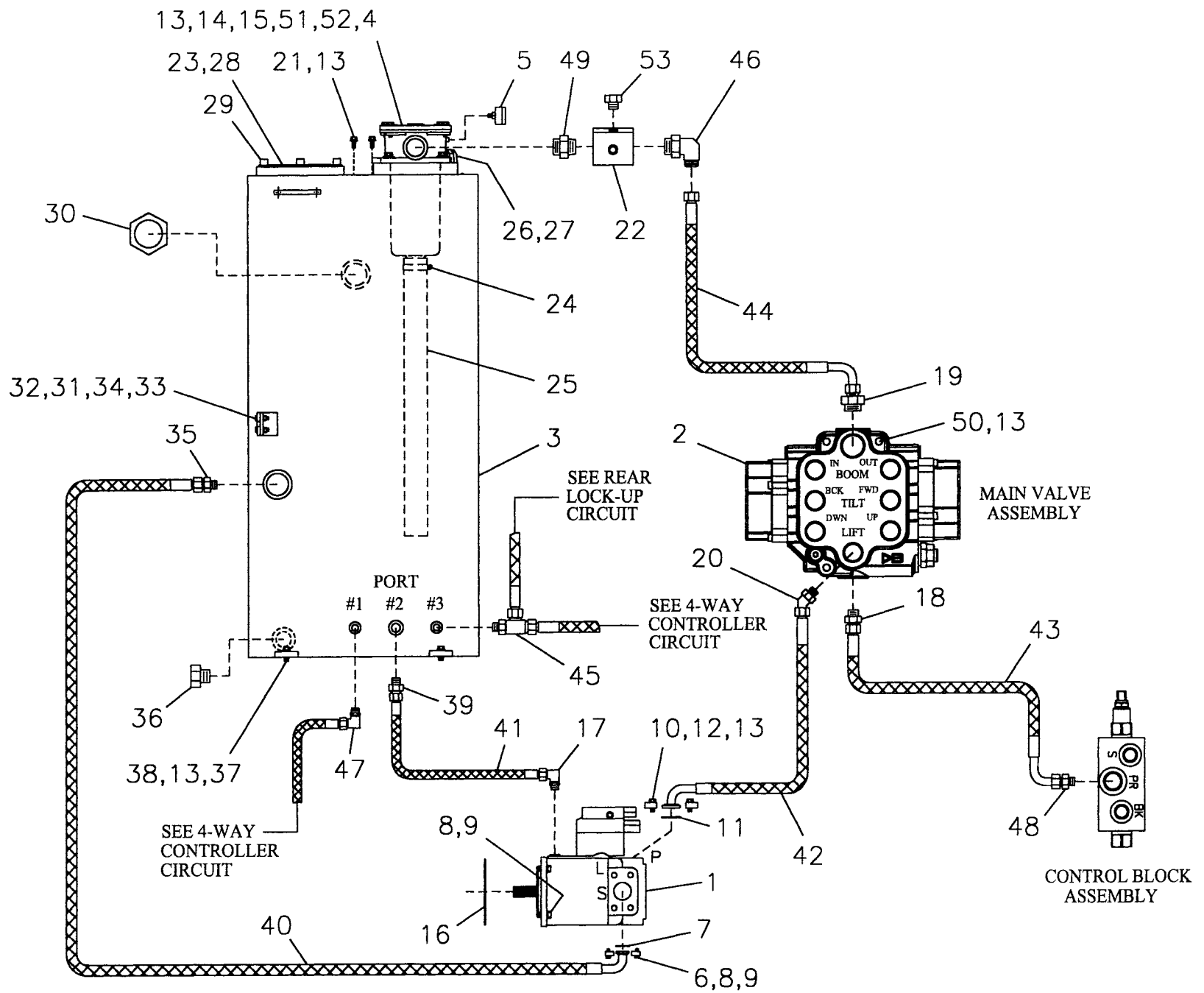
| ITEM | NUMBER    | DESCRIPTION                          | REQD |
|------|-----------|--------------------------------------|------|
| 1    | 7-132-03  | DASH PANEL / RH SIDE                 | REF  |
| 2    | 2-1062    | GAGE COVER                           | 1    |
| 3    | 6-5204-06 | CAPSCREW 1/4 NC x 3/4 LG.            | 2    |
| 4    | 6-6212-04 | FLATWASHER 1/4                       | 2    |
| 5    | 6-6211-04 | LOCKWASHER 1/4                       | 2    |
| 6    | 6-6201-04 | HEX NUT 1/4 NC                       | 2    |
| 7    | 7-172-02  | GAGE / FUEL                          | 1    |
| 8    | 7-172-04  | GAGE / ENGINE OIL PRESSURE           | 1    |
| 9    | 7-172-06  | GAGE / TRANS. OIL TEMP.              | 1    |
| 10   | 7-172-08  | GAGE / ENGINE WATER TEMP.            | 1    |
| 11   | 7-172-10  | GAGE / VOLTMETER                     | 1    |
| 12   | 7-172-11  | GAGE / TRANS. OIL PRESSURE           | 1    |
| 13   | 1-2006    | SEAL RING / GAGE                     | 6    |
| 14   | 7-127-05  | LIGHT / WARNING                      | 1    |
| 15   | 2-1271-1  | DECAL / BRAKE ON                     | 1    |
| 16   | 7-319-03  | SWITCH / PUSHBUTTON                  | 1    |
| 17   | 2-1270-1  | DECAL / PUMP OFF                     | 1    |
| 18   | 7-144-11  | HOLE PLUG / 1 3/8 DIA. / TURN SIGNAL | 1    |
| 19   | 7-139-04  | SWITCH / SWAY                        | 1    |
| 20   | 2-1269-1  | DECAL / SWAY CONTROL                 | 1    |
| 21   | 7-139-05  | NGR PANEL PLUG                       | 6    |
| 22   | 7-139-06  | END BEZEL                            | 2    |
| 23   | 7-139-07  | CENTER BEZEL                         | 4    |
| 24   | 2-1268-1  | DECAL / DASH GANG SWITCHES           | 1    |



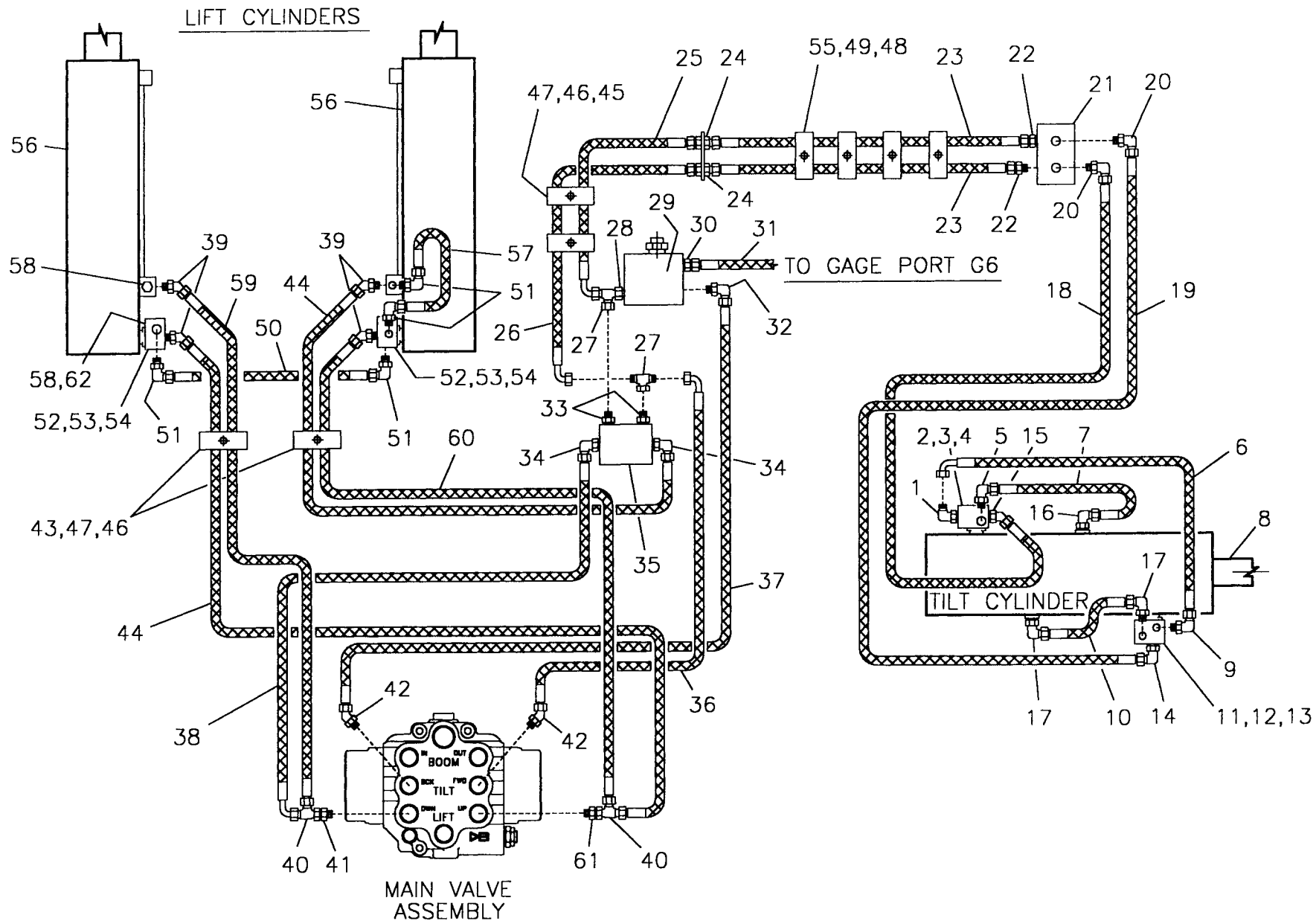
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 4-2276    | OIL RESERVOIR WELDMENT          | REF  |
| 2    | 7-345-113 | PUMP ASSEMBLY                   | REF  |
| 3    | 7-272-11  | BREATHER                        | REF  |
| 4    | 7-206-03  | PRESSURE SWITCH / BRAKE LIGHT   | REF  |
| 5    | 7-118-01  | FILTER / RETURN                 | 1    |
| 6    | 7-272-10  | GAGE / RETURN FILTER            | 1    |
| 7    | 7-118-02  | ELEMENT / RETURN FILTER         | REF  |
| 8    | 7-358-08  | VALVE / MANUAL PARKING BRAKE    | 1    |
| 9    | 7-303-02  | PRESSURE SWITCH / PARKING BRAKE | REF  |
| 10   | 7-358-03  | CONTROLLER / 4-WAY              | 1    |
| 11   | 7-358-14  | VALVE / 3 SECTION               | 1    |
| 12   | 7-316-211 | CYLINDER / BOOM                 | REF  |
| 13   | 7-316-240 | CYLINDER / LIFT                 | REF  |
| 14   | 7-316-238 | CYLINDER / TILT                 | REF  |
| 15   | 7-379-02  | CYLINDER / SWAY                 | REF  |
| 16   | 7-379-01  | CYLINDER / ROTATE               | REF  |
| 17   | 7-229-619 | CYLINDER / STEERING             | REF  |
| 18   | 7-229-619 | CYLINDER / STEERING             | REF  |
| 19   | 7-234-03  | VALVE / MOTION / BOOM           | 2    |
| 20   | 7-234-04  | VALVE / DUAL CHECK              | 3    |
| 21   | 7-234-01  | VALVE / MOTION / HEAD TILT      | 1    |
| 22   | 7-234-02  | VALVE / MOTION / BASE TILT      | 1    |
| 23   | 7-367-09  | VALVE / ELECTRIC 4-WAY          | 2    |
| 24   | 7-234-50  | VALVE / TILT LIMITER            | 1    |
| 25   | 7-359-02  | VALVE / STEERING SELECTOR       | 1    |
| 26   | 7-234-94  | CONTROL BLOCK                   | 1    |
| 27   | 7-234-13  | CARTRIDGE / REDUCING-RELIEVING  | REF  |
| 28   | 7-234-16  | CARTRIDGE / CHECK               | REF  |
| 29   | 7-234-37  | CARTRIDGE / NEEDLE              | REF  |
| 30   | 7-234-28  | CARTRIDGE / REDUCING-RELIEVING  | REF  |
| 31   | 7-256-25  | ACCUMULATOR / BRAKE             | 1    |
| 32   | 7-198-48  | BRAKE ACTUATOR                  | 1    |
| 33   | 7-244-31  | VALVE / ELECTRIC 4-WAY / SWAY   | 1    |
| 34   | 7-234-18  | CARTRIDGE / PILOT CHECK         | REF  |
| 35   | 7-244-31  | VALVE / ELECTRIC 4-WAY / ROTATE | REF  |
| 36   | 7-234-35  | VALVE / DUAL CHECK              | REF  |
| 37   | 7-147-01  | STEERING ORBITRAL               | 1    |
| 38   | 7-367-01  | VALVE / CONTROLLER RELIEF       | 1    |
| 39   | 7-292-01  | HOSE REEL ASSY / RH / ROTATE    | REF  |
| 40   | 7-234-54  | VALVE / MOTION / LIFT           | 2    |
| 41   | 1-1219    | RESTRICTOR FITTING              | REF  |
| 42   | 1-1093-2  | RESTRICTOR PLUG (.060)          | REF  |
| 43   | 1-1093-1  | RESTRICTOR PLUG (.040)          | REF  |
| 44   | 7-234-22  | CARTRIDGE / COUNTERBALANCE      | REF  |
| 45   | 7-234-53  | CARTRIDGE / COUNTERBALANCE      | REF  |
| 46   | 7-367-06  | CARTRIDGE / NORMALLY OPEN       | REF  |
| 47   | 7-234-19  | CARTRIDGE / COUNTERBALANCE      | REF  |
| 48   | 7-234-76  | BLOCK ASSEMBLY / REAR LOCK-UP   | 1    |
| 49   | 7-234-79  | CARTRIDGE / SHUTTLE             | REF  |

| ITEM | NUMBER   | DESCRIPTION                      | REQD |
|------|----------|----------------------------------|------|
| 50   | 7-234-64 | CARTRIDGE / REDUCING-RELIEVING   | REF  |
| 51   | 7-234-62 | CARTRIDGE / PILOT CHECK          | REF  |
| 52   | 7-304-07 | CARTRIDGE / MODULAR CONTROL      | REF  |
| 53   | 7-367-13 | VALVE / REAR LOCKUP              | 1    |
| 54   | 7-234-80 | CARTRIDGE / CHECK                | REF  |
| 55   | 7-303-03 | PRESSURE SWITCH / CLUTCH CUT-OFF | REF  |
| 56   | 7-234-80 | CARTRIDGE / CHECK                | REF  |
| 57   | 7-367-14 | CARTRIDGE / NORMALLY OPEN        | REF  |
| 58   | 7-367-02 | VALVE ASSEMBLY / DIFF. LOCK      | REF  |
| 59   | 7-367-03 | CARTRIDGE / NORMALLY CLOSED      | REF  |

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



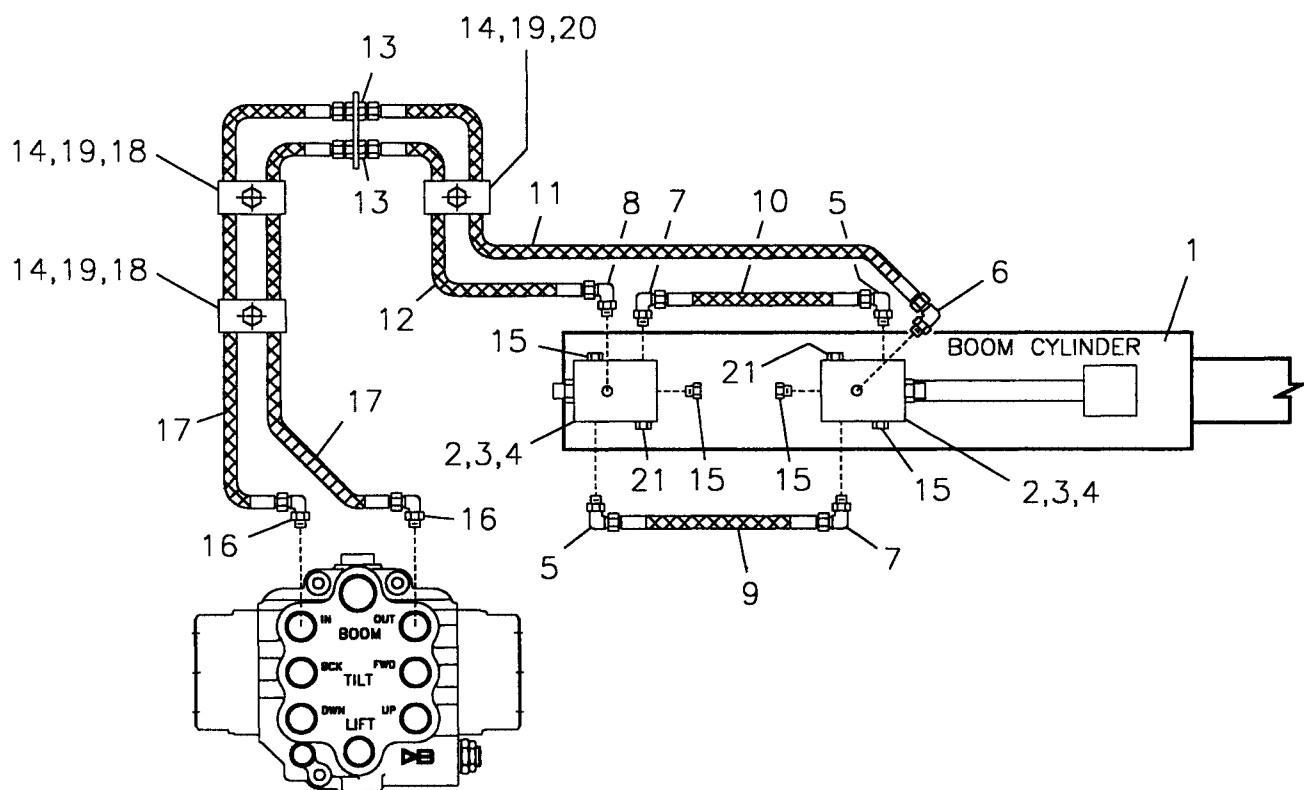
| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 7-345-113  | PUMP ASSY. / 60cc / SPLINED SHAFT | REF  |
| 2    | 7-358-14   | VALVE ASSEMBLY / 3 SECTION        | REF  |
| 3    | 4-2276     | OIL RESERVOIR                     | 1    |
| 4    | 7-118-01   | FILTER / RETURN                   | REF  |
| 5    | 7-272-10   | GAGE / RETURN FILTER              | REF  |
| 6    | 7-107-05   | SPLIT FLANGE KIT / 2 IN.          | 1    |
| 7    | 7-209-66   | O-RING / 2 IN. S. F. / w/ITEM 6   | REF  |
| 8    | 6-5208-12  | CAPSCREW 1/2 NC x 1 1/2 LG.       | REF  |
| 9    | 6-6211-08  | LOCKWASHER 1/2                    | REF  |
| 10   | 7-158-36   | SPLIT FLANGE / 1 IN. / HALF ONLY  | 2    |
| 11   | 7-209-67   | O-RING / 1 IN. S. F.              | 1    |
| 12   | 6-5206-10  | CAPSCREW 3/8 NC x 1 1/4 LG.       | 4    |
| 13   | 6-6211-06  | LOCKWASHER 3/8                    | 15   |
| 14   | 6-6212-06  | FLATWASHER 3/8                    | 4    |
| 15   | 6-5206-08  | CAPSCREW 3/8 NC x 1 LG.           | 4    |
| 16   | 7-126-517  | GASKET / PUMP DRIVE               | REF  |
| 17   | 6-6453-10  | FITTING / 10 OR x 08 JIC 90       | 1    |
| 18   | 6-6450-17  | FITTING / 12 OR x 10 JIC STR.     | 1    |
| 19   | 6-6450-27  | FITTING / 16 OR x 16 JIC STR.     | 1    |
| 20   | 6-6452-08  | FITTING / 12 OR x 12 JIC 45       | 1    |
| 21   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.         | 2    |
| 22   | 3-1376     | MANIFOLD BLOCK                    | 1    |
| 23   | 7-145-02   | O-RING / ACCESS COVER             | REF  |
| 24   | 7-272-13   | T-HOSE CLAMP                      | 1    |
| 25   | 7-364-12   | HOSE / 1 1/2 ID x 24 LG.          | 1    |
| 26   | 7-272-11   | FILLER-BREATHER / 3 PSI           | 1    |
| 27   | 6-6284-08  | MACHINE SCREW #10-32 x 3/4 LG.    | 6    |
| 28   | 7-145-01   | COVER PLATE                       | REF  |
| 29   | 6-5606-04  | CAPSCREW SH 3/8 NC x 1/2 LG.      | REF  |
| 30   | 7-161-01   | SIGHT GLASS                       | 1    |
| 31   | 2-1179-3   | PLATE / PRESSURE CHECK PORTS      | REF  |
| 32   | 6-5204-06  | CAPSCREW 1/4 NC x 3/4 LG.         | 2    |
| 33   | 6-6201-04  | HEX NUT 1/4 NC                    | 2    |
| 34   | 6-6211-04  | LOCKWASHER 1/4                    | 2    |
| 35   | 6-6450-31  | FITTING / 24 OR x 24 JIC STR.     | 1    |
| 36   | 6-6457-10  | FITTING / 16 OR HEX HEAD PLUG     | 1    |
| 37   | 1-2016     | CLAMP / OIL RESERVOIR             | 2    |
| 38   | 6-5206-12  | CAPSCREW 3/8 NC x 1 1/2 LG.       | 2    |
| 39   | 6-6450-12  | FITTING / 08 OR x 08 JIC STR.     | 1    |
| 40   | 6-7191-206 | HOSE / 24 x 32-90 SF x 103 LG.    | 1    |
| 41   | 6-7004-256 | HOSE / 08 x 08 x 128 LG.          | 1    |
| 42   | 6-7156-218 | HOSE / 12 x 16-90 SF x 109 LG.    | 1    |
| 43   | 6-7025-36  | HOSE / 10 x 10-90 x 18 LG.        | 1    |
| 44   | 6-7088-43  | HOSE / 16 x 16-90 x 21 1/2 LG.    | 1    |
| 45   | 6-6455-05  | FITTING / 06 OR x 06 JIC RN-TEE   | REF  |
| 46   | 6-6453-25  | FITTING / 20 OR x 16 JIC 90       | 1    |
| 47   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90       | REF  |
| 48   | 6-6450-15  | FITTING / 08 OR x 10 JIC STR.     | 1    |
| 49   | 6-6436-01  | FITTING / 20 OR x 20 NPT STR.     | 1    |
| 50   | 6-5206-34  | CAPSCREW 3/8 NC x 4 1/4 LG.       | 3    |
| 51   | 7-118-03   | O-RING / RETURN FILTER FACE       | REF  |
| 52   | 7-118-02   | ELEMENT / RETURN FILTER           | REF  |
| 53   | 6-6457-06  | FITTING / 08 OR HEX HEAD PLUG     | 1    |



| ITEM | NUMBER     | DESCRIPTION                    | REQD |
|------|------------|--------------------------------|------|
| 1    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 1    |
| 2    | 7-234-02   | VALVE / MOTION / BASE TILT     | REF  |
| 3    | 6-5606-14  | CAPSCREW SH 3/8 NC x 1 3/4 LG. | 4    |
| 4    | 6-6214-06  | LOCKWASHER 3/8 HI-COLLAR       | 4    |
| 5    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 1    |
| 6    | 6-7022-60  | HOSE / 04 x 04-90 x 30 LG.     | 1    |
| 7    | 6-7002-26  | HOSE / 04 x 04 x 13 LG.        | 1    |
| 8    | 7-316-238  | CYLINDER / TILT                | REF  |
| 9    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 1    |
| 10   | 6-7003-40  | HOSE / 06 x 06 x 20 LG.        | 1    |
| 11   | 7-234-01   | VALVE / MOTION / HEAD TILT     | REF  |
| 12   | 6-5606-22  | CAPSCREW SH 3/8 NC x 2 3/4 LG. | 4    |
| 13   | 6-6214-06  | LOCKWASHER 3/8 HI-COLLAR       | 4    |
| 14   | 6-6453-09  | FITTING / 08 OR x 08 JIC 90    | 1    |
| 15   | 6-6452-04  | FITTING / 08 OR x 08 JIC 45    | 1    |
| 16   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 1    |
| 17   | 6-6453-06  | FITTING / 06 OR x 06 JIC 90    | 2    |
| 18   | 6-7004-751 | HOSE / 08 x 08 x 375 1/2 LG.   | 1    |
| 19   | 6-7004-751 | HOSE / 08 x 08 x 375 1/2 LG.   | 1    |
| 20   | 6-6453-09  | FITTING / 08 OR x 08 JIC 90    | 2    |
| 21   | 3-1244-1   | MANIFOLD BLOCK                 | REF  |
| 22   | 6-6450-12  | FITTING / 08 OR x 08 JIC STR   | 2    |
| 23   | 6-7014-315 | HOSE / 08 x 10 x 157 1/2 LG.   | 2    |
| 24   | 6-6475-07  | FITTING / 10 JIC BH-UNION STR  | 2    |
| 25   | 6-7025-136 | HOSE / 10 x 10-90 x 68 LG.     | 1    |
| 26   | 6-7025-136 | HOSE / 10 x 10-90 x 68 LG.     | 1    |
| 27   | 6-6480-07  | FITTING / 10 JIC SW-BR-TEE     | 2    |
| 28   | 6-6485-03  | FITTING / 10 OR x 10 JIC SW    | 1    |
| 29   | 7-234-50   | VALVE / TILT LIMITER           | REF  |
| 30   | 6-6450-05  | FITTING / 06 OR x 04 JIC STR   | REF  |
| 31   | 6-7022-30  | HOSE / 04 x 04-90 x 15 LG.     | REF  |
| 32   | 6-6453-12  | FITTING / 10 OR x 10 JIC 90    | 1    |
| 33   | 6-6450-15  | FITTING / 08 OR x 10 JIC STR   | 2    |
| 34   | 6-6453-11  | FITTING / 08 OR x 10 JIC 90    | 2    |
| 35   | 7-234-04   | VALVE / DUAL CHECK             | REF  |
| 36   | 6-7025-36  | HOSE / 10 x 10-90 x 18 LG.     | 1    |
| 37   | 6-7005-32  | HOSE / 10 x 10 x 16 LG.        | 1    |
| 38   | 6-7025-36  | HOSE / 10 x 10-90 x 18 LG.     | 1    |
| 39   | 6-6452-06  | FITTING / 10 OR x 10 JIC 45    | 4    |
| 40   | 6-6481-07  | FITTING / 10 JIC SW-RUN-TEE    | 2    |
| 41   | 6-6450-17  | FITTING / 12 OR x 10 JIC STR   | 1    |
| 42   | 6-6452-17  | FITTING / 12 OR x 10 JIC 45    | 2    |
| 43   | 6-5205-16  | CAPSCREW 5/16 NC x 2 LG.       | 2    |
| 44   | 6-7005-148 | HOSE / 10 x 10 x 74 LG.        | 2    |
| 45   | 6-5205-30  | CAPSCREW 5/16 NC x 3 3/4 LG.   | REF  |
| 46   | 7-273-26   | COVER PLATE / 5/8 HOSE CLAMP   | 2    |
| 47   | 7-273-32   | CLAMP HALF SET / 5/8 TWIN HOSE | 3    |
| 48   | 6-5205-14  | CAPSCREW 5/16 NC x 1 3/4 LG.   | 4    |
| 49   | 7-273-26   | COVER PLATE / 1/2 HOSE CLAMP   | 4    |
| 50   | 6-7002-100 | HOSE / 04 x 04 x 50 LG.        | 1    |
| 51   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 4    |
| 52   | 7-234-54   | VALVE / MOTION / LIFT          | REF  |

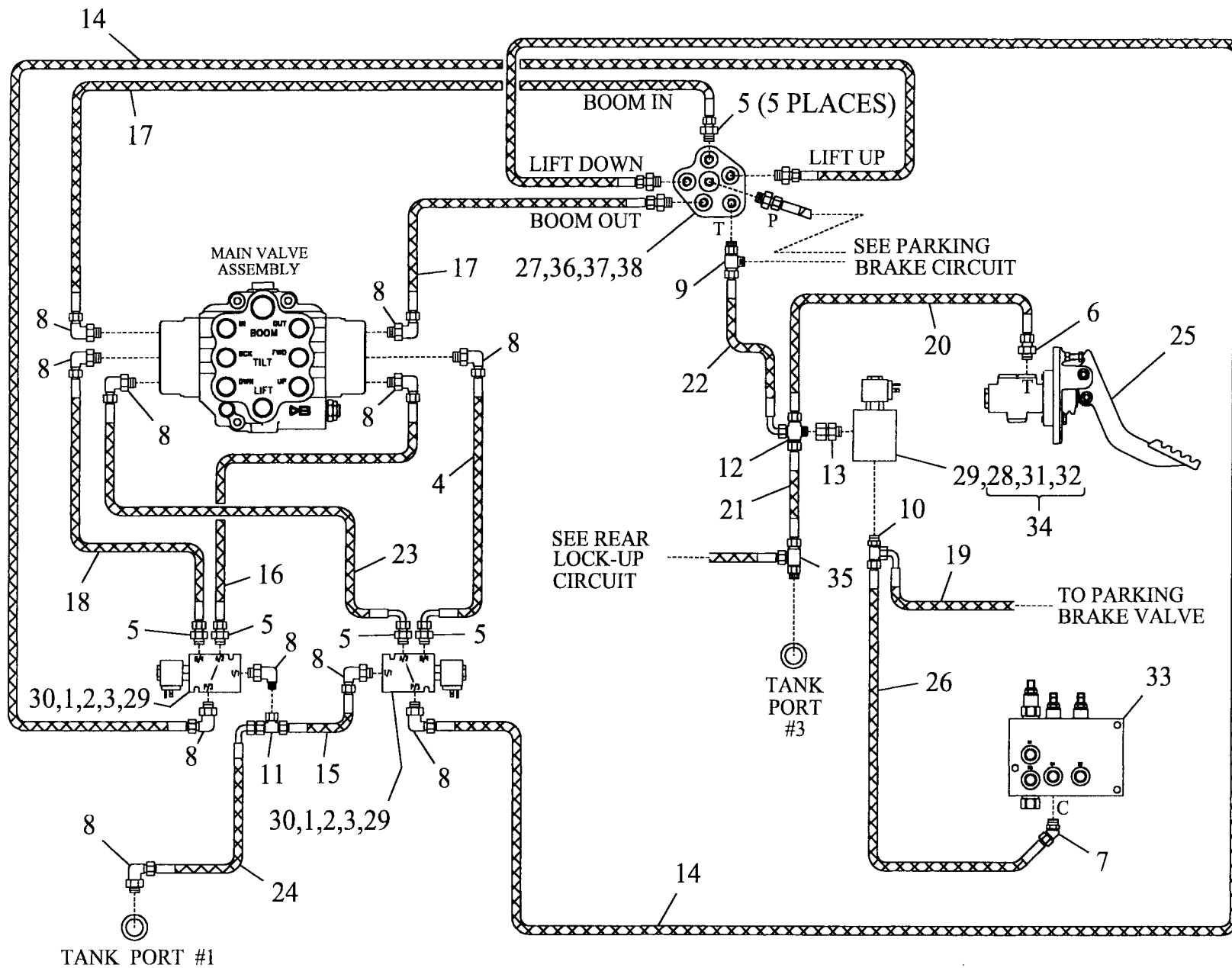
| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 53   | 6-5606-22  | CAPSCREW SH 3/8 NC x 2 3/4 LG.  | 8    |
| 54   | 6-6214-06  | LOCKWASHER 3/8 HI-COLLAR        | 8    |
| 55   | 7-273-25   | CLAMP HALF SET / 1/2 TWIN HOSE  | 4    |
| 56   | 7-316-240  | CYLINDER / LIFT                 | REF  |
| 57   | 6-7002-17  | HOSE / 04 x 04 x 8.5 LG.        | 1    |
| 58   | 6-6457-05  | FITTING / 06 OR HEX HEAD PLUG   | 3    |
| 59   | 6-7005-154 | HOSE / 10 x 10 x 77 LG.         | 1    |
| 60   | 6-7005-126 | HOSE / 10 x 10 x 63 LG.         | 1    |
| 61   | 1-1351-1   | ORIFICE FITTING / 5/32 DIA.     | 1    |
| 62   | 6-6460-01  | FITTING / 04 OR HOLLOW HEX PLUG | REF  |

[illegible]

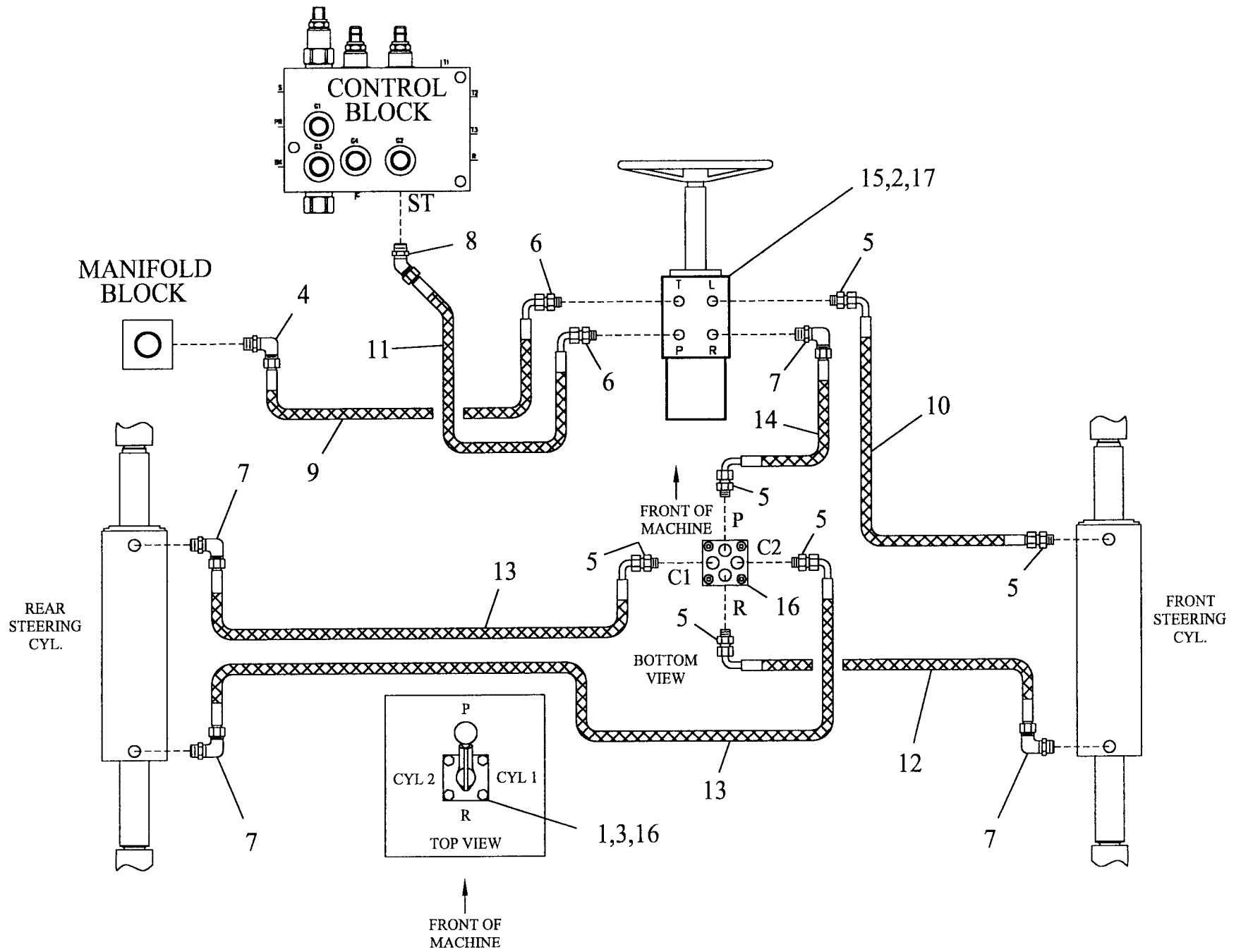


MAIN VALVE ASSEMBLY

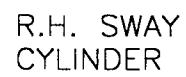
| ITEM | NUMBER     | DESCRIPTION                    | REQD |
|------|------------|--------------------------------|------|
| 1    | 7-316-211  | CYLINDER / BOOM                | REF  |
| 2    | 7-234-03   | VALVE / MOTION / BOOM          | REF  |
| 3    | 6-5606-22  | CAPSCREW SH 3/8 NC x 2 3/4 LG. | 8    |
| 4    | 6-6214-06  | LOCKWASHER 3/8 HI-COLLAR       | 8    |
| 5    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 2    |
| 6    | 6-6453-12  | FITTING / 10 OR x 10 JIC 90    | 1    |
| 7    | 6-6453-03  | FITTING / 04 OR x 04 JIC 90    | 2    |
| 8    | 6-6453-12  | FITTING / 10 OR x 10 JIC 90    | 1    |
| 9    | 6-7002-30  | HOSE / 04 x 04 x 15 LG.        | 1    |
| 10   | 6-7002-30  | HOSE / 04 x 04 x 15 LG.        | 1    |
| 11   | 6-7005-105 | HOSE / 10 x 10 x 52 1/2 LG.    | 1    |
| 12   | 6-7005-75  | HOSE / 10 x 10 x 37 1/2 LG.    | 1    |
| 13   | 6-6475-07  | FITTING / 10 JIC BH UNION      | 2    |
| 14   | 7-273-32   | CLAMP HALF SET / 5/8 TWIN HOSE | 3    |
| 15   | 6-6457-05  | FITTING / 06 OR HEX HD PLUG    | 4    |
| 16   | 6-6453-13  | FITTING / 12 OR x 10 JIC 90    | 2    |
| 17   | 6-7005-154 | HOSE / 10 x 10 x 77 LG.        | 2    |
| 18   | 6-5205-30  | CAPSCREW 5/16 NC x 3 3/4 LG.   | 2    |
| 19   | 7-273-26   | COVER PLATE / 5/8 HOSE CLAMP   | 3    |
| 20   | 6-5205-16  | CAPSCREW 5/16 NC x 2 LG.       | 1    |
| 21   | 6-6457-03  | FITTING / 04 OR HEX HD PLUG    | 2    |



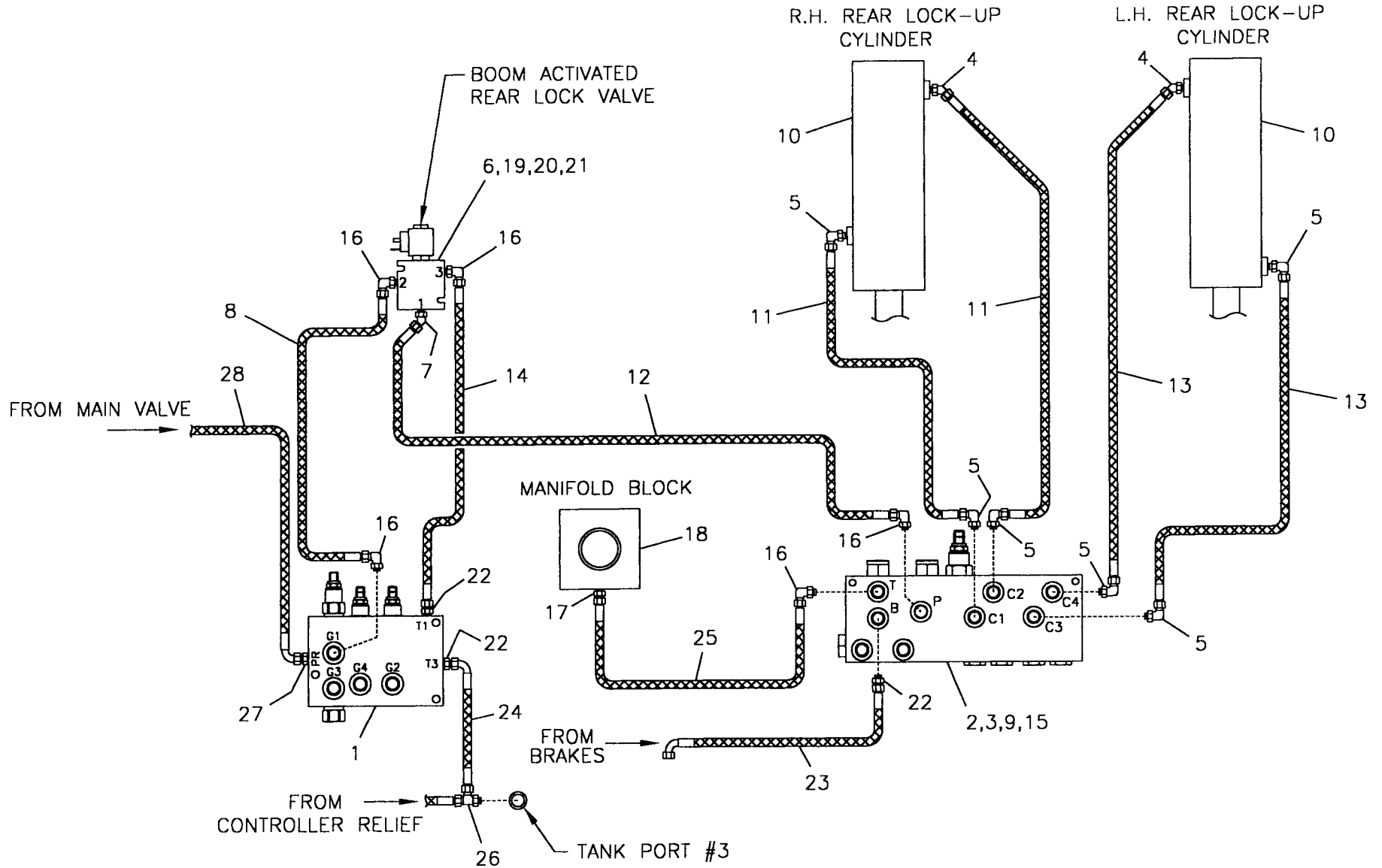
| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | 6-5204-14  | CAPSCREW 1/4 NC x 1 3/4 LG.     | 4    |
| 2    | 6-6211-04  | FLATWASHER 1/4                  | 4    |
| 3    | 6-6212-04  | LOCKWASHER 1/4                  | 4    |
| 4    | 6-7022-34  | HOSE / 04 x 04-90 x 17 LG.      | 1    |
| 5    | 6-6450-05  | FITTING / 06 OR x 04 JIC STR.   | 9    |
| 6    | 6-6450-09  | FITTING / 08 OR x 06 JIC STR.   | 1    |
| 7    | 6-6452-19  | FITTING / 06 OR x 04 JIC 45     | 1    |
| 8    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90     | 11   |
| 9    | 6-6455-05  | FITTING / 06 OR x 06 JIC RN-TEE | 1    |
| 10   | 6-6455-15  | FITTING / 06 OR x 04 JIC RN-TEE | 1    |
| 11   | 6-6480-03  | FITTING / 04 JIC SW-BR-TEE      | 1    |
| 12   | 6-6483-05  | FITTING / 06 JIC CROSS          | 1    |
| 13   | 6-6485-06  | FITTING / 06 OR x 06 JIC SWIVEL | 1    |
| 14   | 6-7002-244 | HOSE / 04 x 04 x 122 LG.        | 2    |
| 15   | 6-7002-17  | HOSE / 04 x 04 x 8 1/2 LG.      | 1    |
| 16   | 6-7002-26  | HOSE / 04 x 04 x 13 LG.         | 1    |
| 17   | 6-7002-276 | HOSE / 04 x 04 x 138 LG.        | 2    |
| 18   | 6-7002-34  | HOSE / 04 x 04 x 17 LG.         | 1    |
| 19   | 6-7022-100 | HOSE / 04 x 04-90 x 50 LG.      | 1    |
| 20   | 6-7003-174 | HOSE / 06 x 06 x 87 LG.         | 1    |
| 21   | 6-7003-150 | HOSE / 06 x 06 x 75 LG.         | 1    |
| 22   | 6-7023-80  | HOSE / 06 x 06-90 x 40 LG.      | 1    |
| 23   | 6-7022-44  | HOSE / 04 x 04-90 x 22 LG.      | 1    |
| 24   | 6-7022-28  | HOSE / 04 x 04-90 x 14 LG.      | 1    |
| 25   | 7-198-48   | ACTUATOR / HANGING BRAKE PEDAL  | REF  |
| 26   | 6-7002-180 | HOSE / 04 x 04 x 90 LG.         | 1    |
| 27   | 7-358-03   | CONTROLLER / 4-WAY              | REF  |
| 28   | 7-367-06   | CARTRIDGE / NORMALLY OPEN       | REF  |
| 29   | 7-244-27   | DIN CONNECTOR                   | REF  |
| 30   | 7-367-09   | VALVE / ELECTRIC 4-WAY (2)      | REF  |
| 31   | 7-367-05   | COIL / DIN                      | REF  |
| 32   | 7-367-07   | VALVE BODY / CONTROLLER RELIEF  | REF  |
| 33   | 7-234-94   | CONTROL BLOCK                   | REF  |
| 34   | 7-367-01   | VALVE ASSY / CONTROLLER RELIEF  | REF  |
| 35   | 6-6455-05  | FITTING / 06 OR x 06 JIC RN-TEE | 1    |
| 36   | 7-290-03   | CARRIAGE BOLT 1/4 NC x 1 LG.    | 4    |
| 37   | 6-6211-04  | LOCKWASHER 1/4                  | 4    |
| 38   | 6-6201-04  | HEX NUT 1/4 NC                  | 4    |



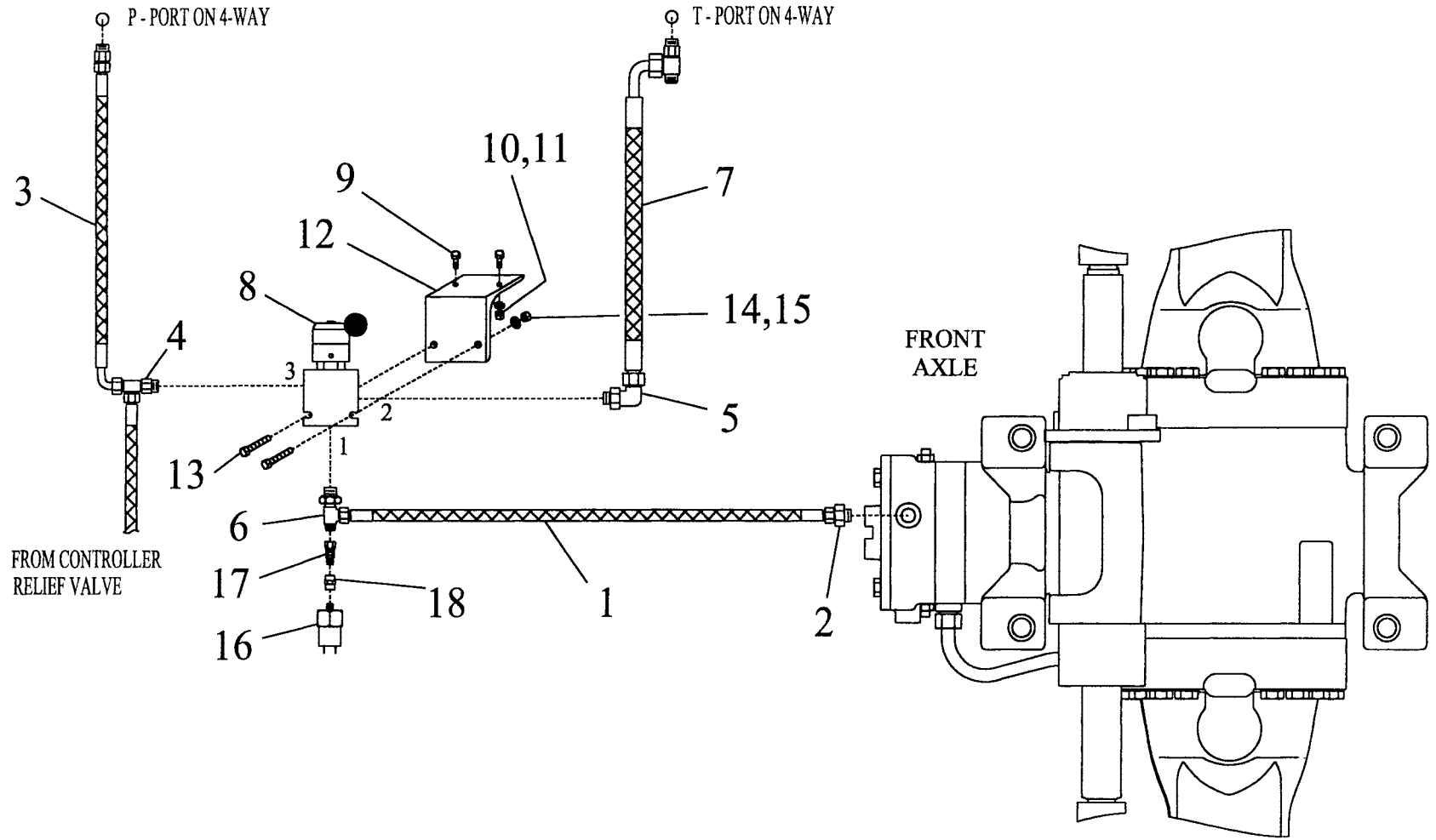
| ITEM | NUMBER     | DESCRIPTION                   | REQD |
|------|------------|-------------------------------|------|
| 1    | 6-5205-06  | CAPSCREW 5/16 NC x 3/4 LG.    | 4    |
| 2    | 6-5206-08  | CAPSCREW 3/8 NC x 1 LG.       | 4    |
| 3    | 6-6211-05  | LOCKWASHER 5/16               | 4    |
| 4    | 6-6453-09  | FITTING / 08 OR x 08 JIC 90   | 1    |
| 5    | 6-6450-09  | FITTING / 08 OR x 06 JIC STR. | 6    |
| 6    | 6-6450-12  | FITTING / 08 OR x 08 JIC STR. | 2    |
| 7    | 6-6453-07  | FITTING / 08 OR x 06 JIC 90   | 4    |
| 8    | 6-6452-04  | FITTING / 08 OR x 08 JIC 45   | 1    |
| 9    | 6-7024-370 | HOSE / 08 x 08-90 x 185 LG.   | 1    |
| 10   | 6-7023-194 | HOSE / 06 x 06-90 x 97 LG.    | 1    |
| 11   | 6-7024-328 | HOSE / 08 x 08-90 x 164 LG.   | 1    |
| 12   | 6-7023-244 | HOSE / 06 x 06-90 x 122 LG.   | 1    |
| 13   | 6-7023-272 | HOSE / 06 x 06-90 x 136 LG.   | 2    |
| 14   | 6-7023-40  | HOSE / 06 x 06-90 x 20 LG.    | 1    |
| 15   | 7-147-01   | STEERING ORBITRAL             | REF  |
| 16   | 7-359-02   | VALVE / STEERING SELECTOR     | REF  |
| 17   | 6-6211-06  | LOCKWASHER 3/8                | 4    |



| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 7-234-04   | VALVE / DUAL CHECK               | REF  |
| 2    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90      | 2    |
| 3    | 6-6452-19  | FITTING / 06 OR x 04 JIC 45      | 2    |
| 4    | 6-6454-06  | FITTING / 08 OR x 08 JIC BR-TEE  | 2    |
| 5    | 6-6450-06  | FITTING / 08 OR x 04 JIC STR     | 4    |
| 6    | 6-6453-09  | FITTING / 08 OR x 08 JIC 90      | 2    |
| 7    | 7-379-02   | CYLINDER / SWAY                  | REF  |
| 8    | 6-7002-74  | HOSE / 04 x 04 x 37 LG.          | 4    |
| 9    | 6-7004-44  | HOSE / 08 x 08 x 22 LG.          | 2    |
| 10   | 6-7033-296 | HOSE / 06 x 08-90 x 148 LG.      | 2    |
| 11   | 1-1219     | RESTRICTOR FITTING               | 2    |
| 12   | 1-1093-2   | RESTRICTOR PLUG (.060)           | 2    |
| 13   | 6-7003-40  | HOSE / 06 x 06 x 20 LG.          | 2    |
| 14   | 6-6211-05  | LOCKWASHER 5/16                  | 4    |
| 15   | 6-5205-14  | CAPSCREW 5/16 NC x 1 3/4 LG.     | 4    |
| 16   | 6-6450-08  | FITTING / 06 OR x 06 JIC STR.    | 3    |
| 17   | 7-244-31   | VALVE / ELECTRIC                 | REF  |
| 18   | 7-234-94   | CONTROL BLOCK                    | REF  |
| 19   | 6-5204-12  | CAPSCREW 1/4 NC x 1 1/2 LG.      | 2    |
| 20   | 6-6211-04  | LOCKWASHER 1/4                   | 2    |
| 21   | 6-5205-20  | CAPSCREW 5/16 NC x 2 1/2 LG.     | 3    |
| 22   | 6-6211-05  | LOCKWASHER 5/16                  | 3    |
| 23   | 7-273-27   | CLAMP HALF SET / 3/8 HOSE / TWIN | 4    |
| 24   | 7-273-23   | COVER PLATE / 3/8 HOSE CLAMP     | 4    |
| 25   | 6-5205-10  | CAPSCREW 5/16 NC x 1 1/4 LG.     | 4    |
| 26   | 7-244-27   | DIN CONNECTOR                    | REF  |
| 27   | 6-6201-04  | HEX NUT 1/4 NC                   | 2    |
| 28   | 6-7023-62  | HOSE / 06 x 06-90 x 31 LG.       | 1    |
| 29   | 6-6455-05  | FITTING / 06 OR x 06 JIC RN-TEE  | 2    |
| 30   | 3-1376     | MANIFOLD BLOCK                   | REF  |
| 31   | 6-7003-90  | HOSE / 06 x 06 x 45 LG.          | 1    |
| 32   | 6-6453-07  | FITTING / 08 OR x 06 JIC 90      | 1    |
| 33   | 6-7025-36  | HOSE / 10 x 10-90 x 18 LG.       | REF  |
| 34   | 6-6450-15  | FITTING / 08 OR x 10 JIC STR.    | REF  |

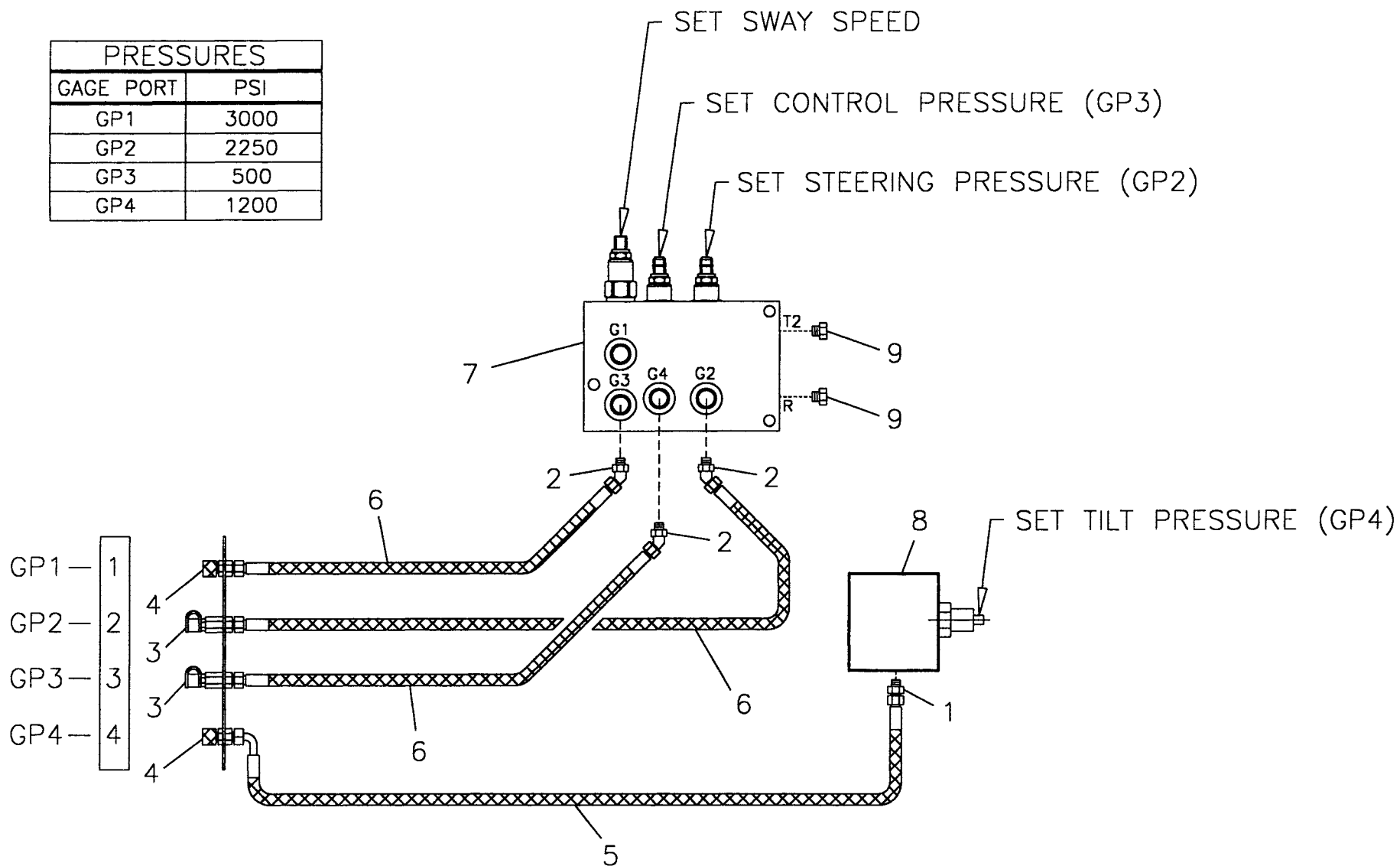


| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 7-234-94  | CONTROL BLOCK ASSEMBLY           | REF  |
| 2    | 7-234-76  | BLOCK ASSEMBLY / REAR LOCK-UP    | REF  |
| 3    | 7-304-07  | CARTRIDGE / MODULAR CONTROL      | 2    |
| 4    | 6-6452-19 | FITTING / 06 OR x 04 JIC 45      | 2    |
| 5    | 6-6453-04 | FITTING / 06 OR x 04 JIC 90      | 6    |
| 6    | 7-367-13  | VALVE / BOOM ACTIVATED REAR LOCK | REF  |
| 7    | 6-6452-03 | FITTING / 06 OR x 06 JIC 45      | 1    |
| 8    | 6-7003-22 | HOSE / 06 x 06 x 11 LG.          | 1    |
| 9    | 6-6211-05 | LOCKWASHER 5/16                  | 2    |
| 10   | 7-379-02  | CYLINDER / REAR LOCK-UP          | REF  |
| 11   | 6-7002-74 | HOSE / 04 x 04 x 37 LG.          | 2    |
| 12   | 6-7003-56 | HOSE / 06 x 06 x 28 LG.          | 1    |
| 13   | 6-7002-62 | HOSE / 04 x 04 x 31 LG.          | 2    |
| 14   | 6-7003-20 | HOSE / 06 x 06 x 10 LG.          | 1    |
| 15   | 6-5205-22 | CAPSCREW 5/16 NC x 2 3/4 LG.     | 2    |
| 16   | 6-6453-06 | FITTING / 06 OR x 06 JIC 90      | 5    |
| 17   | 6-6450-09 | FITTING / 08 OR x 06 JIC STR.    | 1    |
| 18   | 3-1376    | MANIFOLD BLOCK                   | REF  |
| 19   | 6-5204-14 | CAPSCREW 1/4 NC x 1 3/4 LG.      | 2    |
| 20   | 6-6211-04 | LOCKWASHER 1/4                   | 2    |
| 21   | 6-6212-04 | FLATWASHER 1/4                   | 2    |
| 22   | 6-6450-08 | FITTING / 06 OR x 06 JIC STR.    | 3    |
| 23   | 6-7023-62 | HOSE / 06 x 06-90 x 31 LG.       | 1    |
| 24   | 6-7023-32 | HOSE / 06 x 06-90 x 16 LG.       | 1    |
| 25   | 6-7003-74 | HOSE / 06 x 06 x 37 LG.          | 1    |
| 26   | 6-6455-05 | FITTING / 06 OR x 06 JIC RN-TEE  | REF  |
| 27   | 6-6450-15 | FITTING / 08 OR x 10 JIC STR.    | REF  |
| 28   | 6-7025-36 | HOSE / 10 x 10-90 x 18 LG.       | REF  |

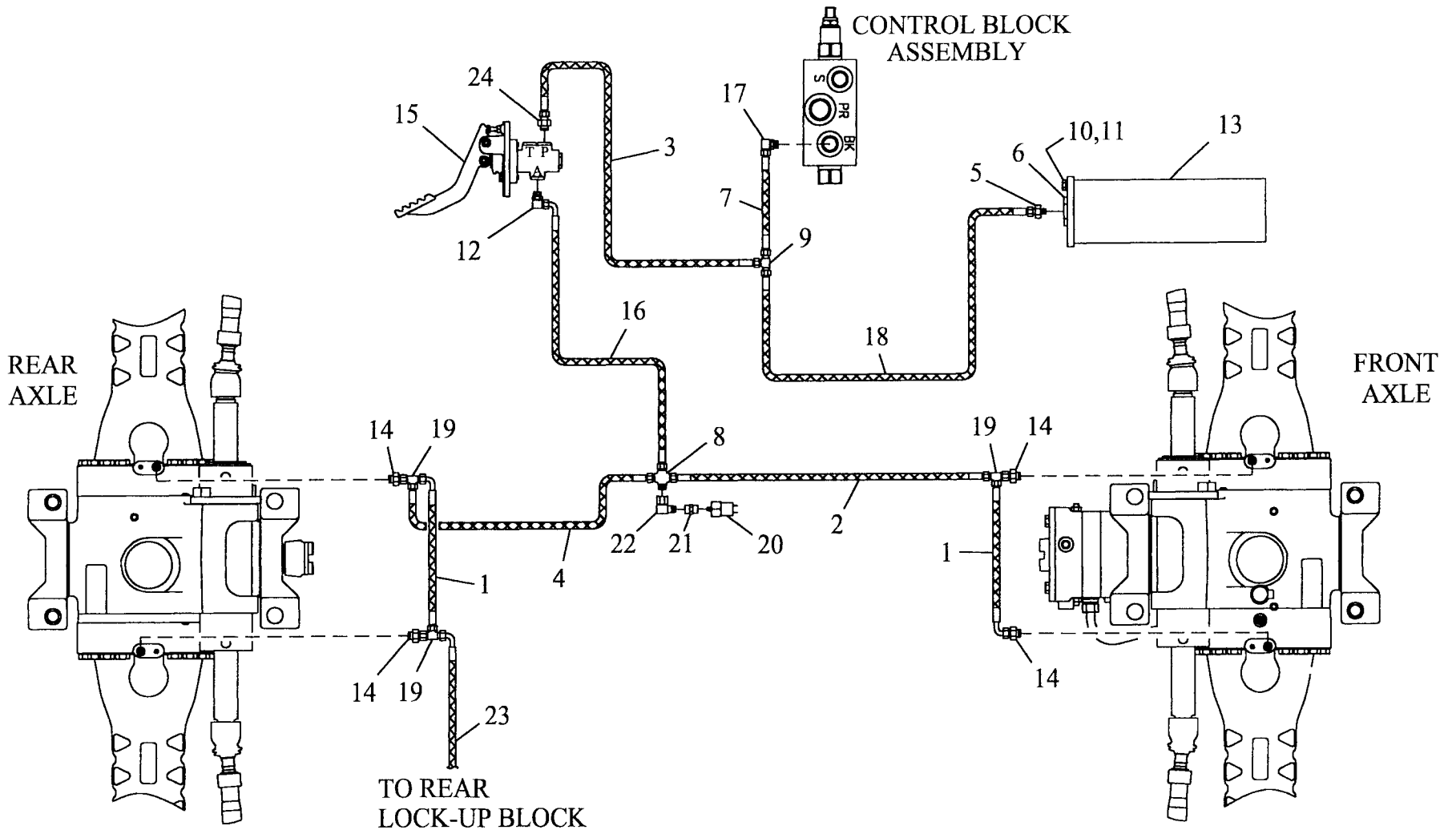


| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 6-7012-240 | HOSE / 04 x 06 x 120 LG.         | 1    |
| 2    | 7-371-04   | FITTING / 14mm OR x 06 JIC STR.  | 1    |
| 3    | 6-7022-100 | HOSE / 04 x 04-90 x 50 LG.       | 1    |
| 4    | 6-6455-15  | FITTING / 06 OR x 04 JIC RN-TEE  | 1    |
| 5    | 6-6453-06  | FITTING / 06 OR x 06 JIC 90      | 1    |
| 6    | 6-6455-15  | FITTING / 06 OR x 04 JIC RN-TEE  | 1    |
| 7    | 6-7023-100 | HOSE / 06 x 06-90 x 50 LG.       | 1    |
| 8    | 7-358-08   | VALVE / PARKING BRAKE            | REF  |
| 9    | 6-5205-08  | CAPSCREW 5/16 NC x 1 LG.         | 2    |
| 10   | 6-6201-05  | HEX NUT 5/16 NC                  | 2    |
| 11   | 6-6211-05  | LOCKWASHER 5/16                  | 2    |
| 12   | 2-1205     | MOUNTING BRACKET / BRAKE VALVE   | 1    |
| 13   | 6-5204-16  | CAPSCREW 1/4 NC x 2 LG.          | 2    |
| 14   | 6-6201-04  | HEX NUT 1/4 NC                   | 2    |
| 15   | 6-6211-04  | LOCKWASHER 1/4                   | 2    |
| 16   | 7-303-02   | PRESSURE SWITCH / PARKING BRAKE  | 1    |
| 17   | 6-6486-01  | FITTING / 02 NPT M. x 04 JIC SW. | 1    |
| 18   | 6-6440-02  | FITTING / 02 NPT COUPLER         | 1    |

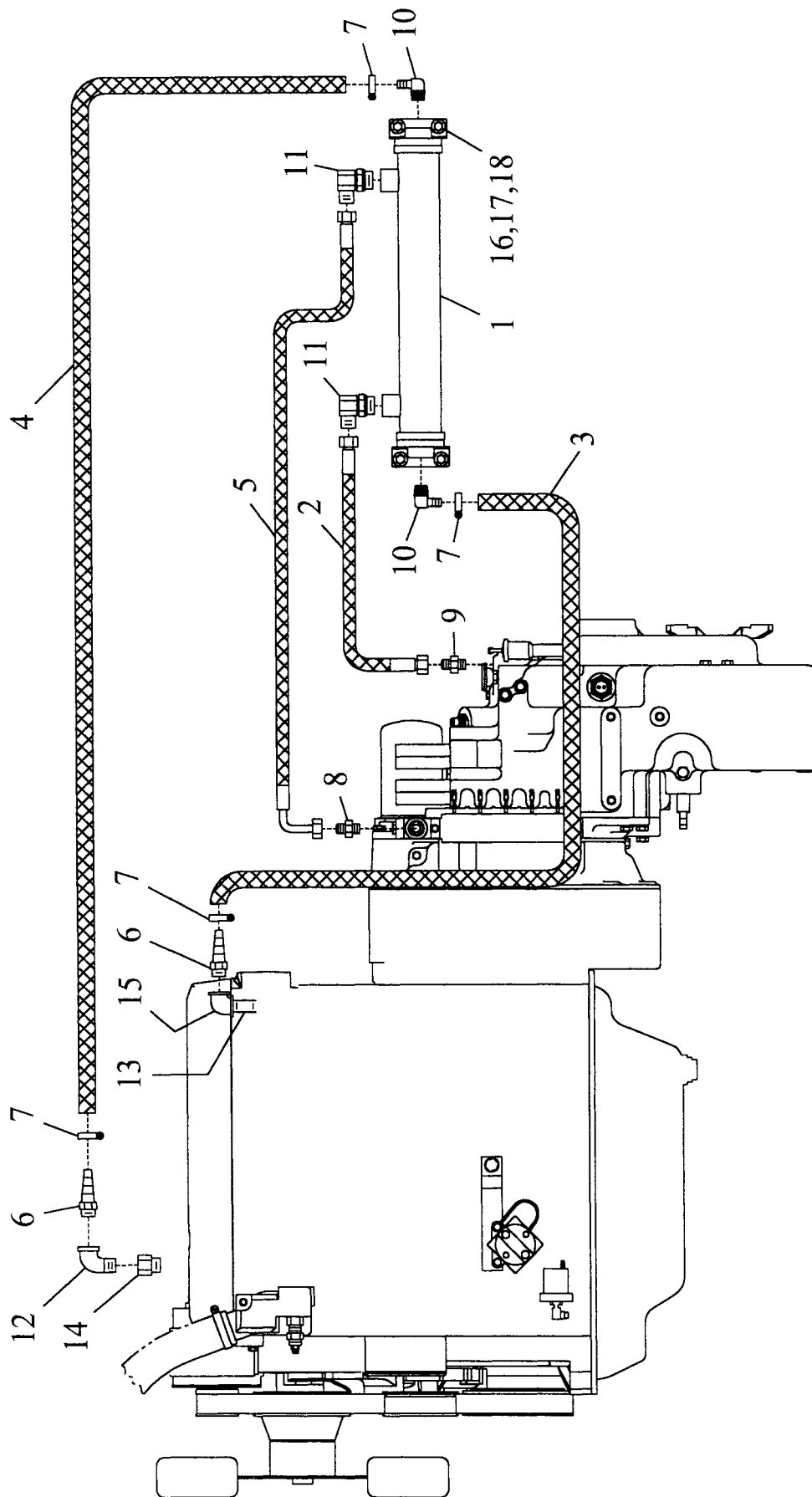
| PRESSURES |      |
|-----------|------|
| GAGE PORT | PSI  |
| GP1       | 3000 |
| GP2       | 2250 |
| GP3       | 500  |
| GP4       | 1200 |



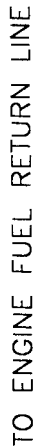
| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 6-6450-05 | FITTING / 06 OR x 04 JIC STR. | 1    |
| 2    | 6-6452-19 | FITTING / 06 OR x 04 JIC 45   | 3    |
| 3    | 7-256-27  | PRESSURE CHECK / MALE         | 2    |
| 4    | 7-302-01  | PRESSURE CHECK / MALE         | 2    |
| 5    | 6-7022-30 | HOSE / 04 x 04-90 x 15 LG.    | 1    |
| 6    | 6-7002-34 | HOSE / 04 x 04 x 17 LG.       | 3    |
| 7    | 7-234-94  | CONTROL BLOCK                 | REF  |
| 8    | 7-234-50  | VALVE / TILT LIMITER          | REF  |
| 9    | 6-6457-05 | FITTING / 06 OR PLUG          | 2    |



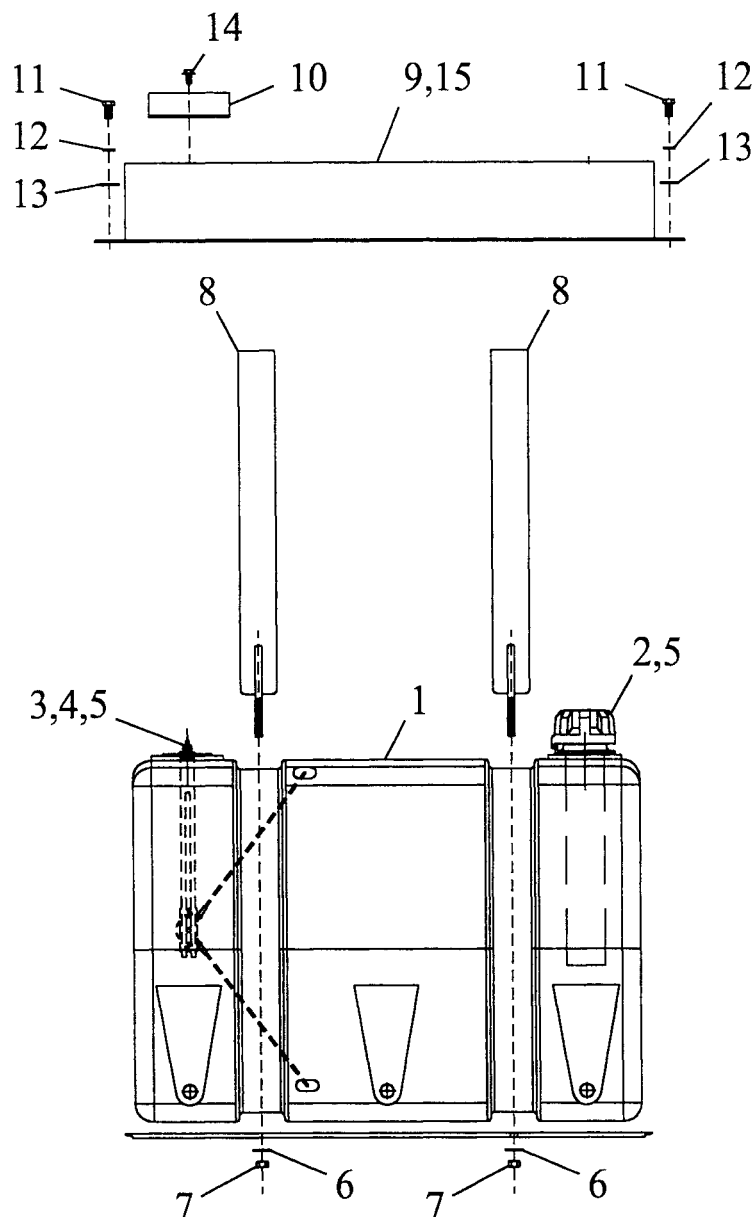
| ITEM | NUMBER     | DESCRIPTION                         | REQD |
|------|------------|-------------------------------------|------|
| 1    | 6-7023-28  | HOSE / 06 x 06-90 x 14 LG.          | 2    |
| 2    | 6-7003-124 | HOSE / 06 x 06 x 62 LG.             | 1    |
| 3    | 6-7002-86  | HOSE / 04 x 04 x 43 LG.             | 1    |
| 4    | 6-7003-174 | HOSE / 06 x 06 x 87 LG.             | 1    |
| 5    | 6-6425-03  | FITTING / 02 NPT x 04 JIC STR.      | 1    |
| 6    | 1-2014     | FITTING / 20 OR x 02 NPT REDUCER    | 1    |
| 7    | 6-7002-276 | HOSE / 04 x 04 x 138 LG.            | 1    |
| 8    | 6-6483-05  | FITTING / 06 JIC CROSS              | 1    |
| 9    | 6-6482-03  | FITTING / 04 JIC TEE                | 1    |
| 10   | 6-5308-08  | CAPSCREW 1/2 NF x 1 LG.             | 3    |
| 11   | 6-6211-08  | LOCKWASHER 1/2                      | 3    |
| 12   | 6-6453-06  | FITTING / 06 OR x 06 JIC 90         | 1    |
| 13   | 7-256-25   | ACCUMULATOR / BRAKE                 | REF  |
| 14   | 7-371-04   | FITTING / 14mm OR x 06 JIC STR.     | 4    |
| 15   | 7-198-48   | ACTUATOR / HANGING BRAKE PEDAL      | REF  |
| 16   | 6-7023-100 | HOSE / 06 x 06-90 x 50 LG.          | 1    |
| 17   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90         | 1    |
| 18   | 6-7002-42  | HOSE / 04 x 04 x 21 LG.             | 1    |
| 19   | 6-6481-05  | FITTING / 06 JIC SW-RN-TEE          | 3    |
| 20   | 7-303-03   | PRESSURE SWITCH / CLUTCH CUT-OFF    | 1    |
| 21   | 6-6402-02  | FITTING / 02 NPT F. x 04 NPT F.     | 1    |
| 22   | 6-6435-03  | FITTING / 04 NPT M. x 06 JIC 90 SW. | 1    |
| 23   | 6-7023-62  | HOSE / 06 x 06 x 31 LG.             | REF  |
| 24   | 6-6450-05  | FITTING / 06 OR x 04 JIC STR.       | 1    |



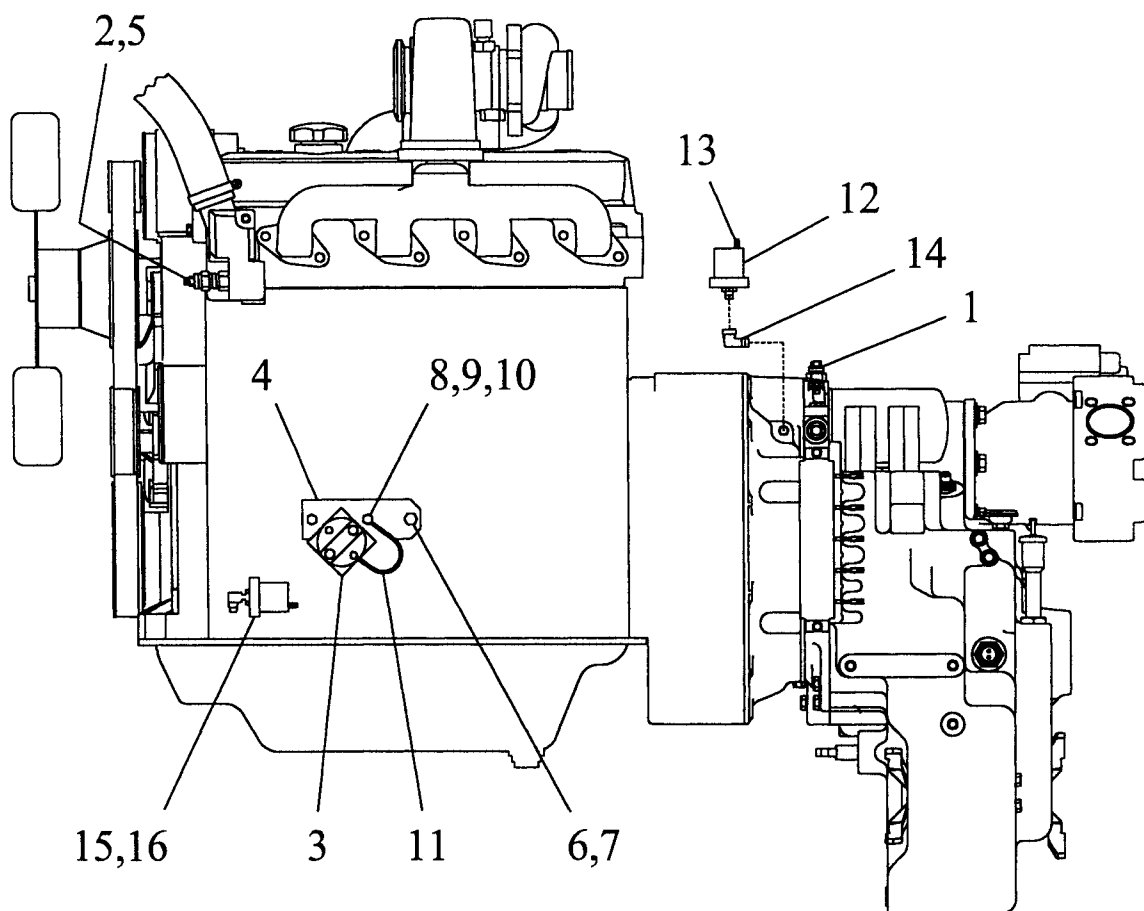
| ITEM | NUMBER     | DESCRIPTION                          | REQD |
|------|------------|--------------------------------------|------|
| 1    | 7-236-08   | OIL COOLER                           | 1    |
| 2    | 6-7006-44  | HOSE / 12 x 12 x 22 LG.              | 1    |
| 3    | 6-9611-320 | HOSE-HEATER 3/4 x 40 LG.             | 1    |
| 4    | 6-9611-464 | HOSE-HEATER 3/4 x 58 LG.             | 1    |
| 5    | 6-7045-56  | HOSE / 12 x 10-90 x 28 LG.           | 1    |
| 6    | 6-6423-18  | HOSE END / 12-08 MALE PIPE           | 2    |
| 7    | 6-6252-04  | HOSE CLAMP / NO. 12                  | 4    |
| 8    | 6-6450-16  | FITTING / 10 OR x 10 JIC STR.        | 1    |
| 9    | 6-6450-20  | FITTING / 12 OR x 12 JIC STR.        | 1    |
| 10   | 6-6400-19  | FITTING / 3/4 NPT x 3/4 HOSE BARB 90 | 2    |
| 11   | 6-6453-15  | FITTING / 12 OR x 12 JIC 90          | 2    |
| 12   | 6-6437-04  | FITTING / 08 NPT ST ELB BLK-P        | 1    |
| 13   | 6-6413-03  | FITTING / 1/2 PIPE NIPPLE            | 1    |
| 14   | 6-6459-01  | FITTING / 18mm x 08 NPT RED.         | 1    |
| 15   | 6-6438-04  | FITTING / 08 NPT ELBOW BLK-P         | 1    |
| 16   | 6-5205-06  | CAPSCREW 5/16 NC x 3/4 LG.           | 4    |
| 17   | 6-6212-05  | FLATWASHER 5/16                      | 4    |
| 18   | 6-6211-05  | LOCKWASHER 5/16                      | 4    |



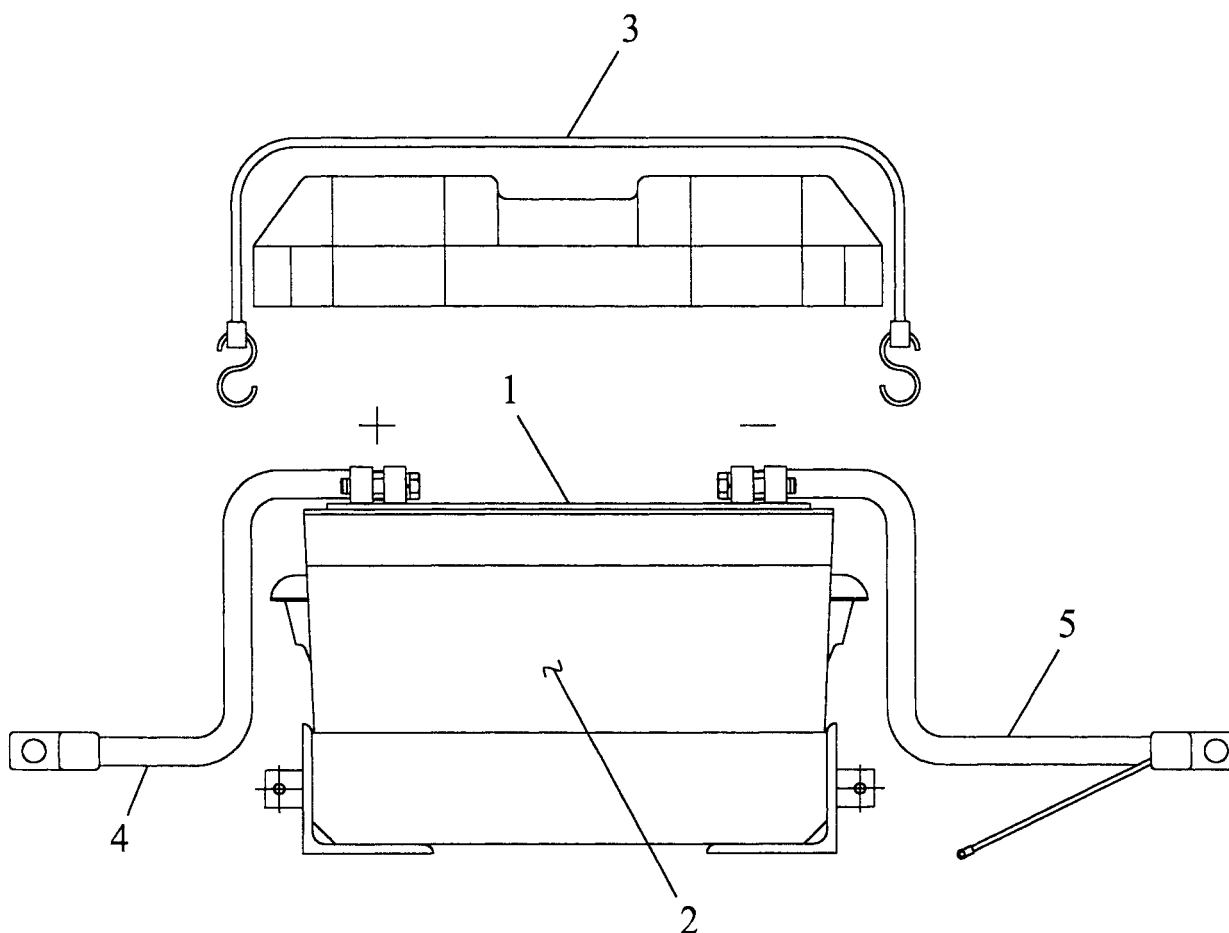
| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 6-6423-08  | FITTING / 04 x 06 BRASS HOSE END  | 3    |
| 2    | 6-6252-20  | HOSE CLAMP / NO. 2                | 4    |
| 3    | 6-6423-07  | FITTING / 02 x 06 BR. HOSE END    | 1    |
| 4    | 6-6422-01  | FITTING / 02 x 02 NPT BRASS ELBOW | 1    |
| 5    | 6-6424-05  | FITTING / 04 x 04 BRASS TUBE END  | 1    |
| 6    | 6-9605-720 | HOSE-FUEL 3/8 x 90 LG.            | 1    |
| 7    | 6-9605-720 | HOSE-FUEL 3/8 x 90 LG.            | 1    |
| 8    | 7-121-02   | FITTING / 90 / 3/8 HOSE           | 2    |
| 9    | 1-1034     | TUBE / FUEL LINE                  | 1    |
| 10   | 7-272-09   | FILLER CAP / FUEL                 | REF  |
| 11   | 7-373-01   | FUEL TANK                         | REF  |
| 12   | 7-121-01   | RUBBER BUSHING                    | 2    |



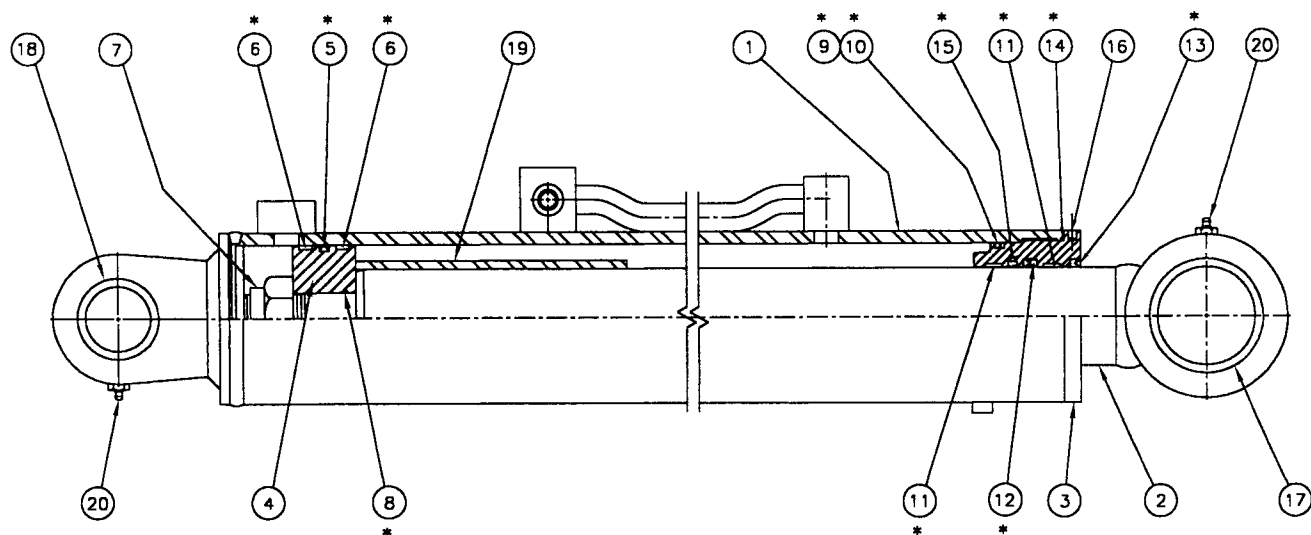
| ITEM | NUMBER     | DESCRIPTION                   | REQD |
|------|------------|-------------------------------|------|
| 1    | 7-373-01   | FUEL TANK / PLASTIC           | 1    |
| 2    | 7-272-09   | FILLER CAP / FUEL             | 1    |
| 3    | 7-172-03   | SENDER / FUEL GAUGE           | REF  |
| 4    | 7-172-15   | GASKET / FUEL SENDER          | REF  |
| 5    | 6-6284-13  | MACHINE SCREW 10-32 x 1/2 LG. | 11   |
| 6    | 6-6212-06  | FLATWASHER 3/8                | 4    |
| 7    | 6-6205-06  | SELF LOCKING NUT 3/8 NC       | 4    |
| 8    | 3-1390     | STRAP / FUEL TANK             | 2    |
| 9    | 4-2154     | BATTERY BOX & FUEL TANK COVER | 1    |
| 10   | 4-2154-3   | FUEL SENDER COVER (w/ ITEM 9) | REF  |
| 11   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.     | 6    |
| 12   | 6-6211-06  | LOCKWASHER 3/8                | 6    |
| 13   | 6-6212-06  | FLATWASHER 3/8                | 6    |
| 14   | 7-290-01   | BODY BOLT 5/16 NC x 3/4 LG.   | 2    |
| 15   | 6-9601-112 | EDGING 1/4 x 14 LG.           | 1    |



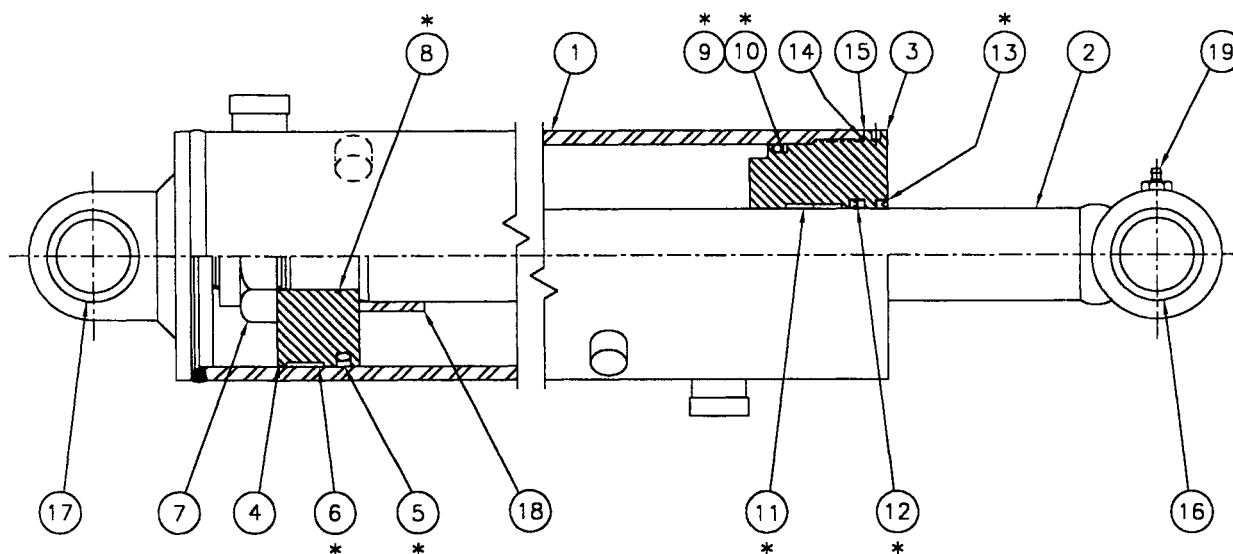
| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 7-172-17  | SENDER / TRANS. OIL TEMP.        | 1    |
| 2    | 7-172-09  | SENDER / ENGINE WATER TEMP.      | 1    |
| 3    | 7-183-18  | RELAY / STARTER                  | 1    |
| 4    | 1-1024    | MOUNT / STARTER RELAY            | 1    |
| 5    | 6-6406-04 | FITTING / NPT RED. 1/2 x 3/8     | 1    |
| 6    | 6-8514-25 | CAPSCREW 14mm x 2.0 x 25mm LG    | 1    |
| 7    | 6-9111-14 | LOCKWASHER 14mm                  | 1    |
| 8    | 6-5204-04 | CAPSCREW 1/4 NC x 1/2 LG.        | 2    |
| 9    | 6-6211-04 | LOCKWASHER 1/4                   | 2    |
| 10   | 6-6212-04 | FLATWASHER 1/4                   | 2    |
| 11   | 1-1094    | GROUND WIRE / STARTER RELAY      | 1    |
| 12   | 7-172-16  | SENDER / TRANS. OIL PRESSURE     | 1    |
| 13   | 6-6286-06 | HEX NUT #10-32                   | 1    |
| 14   | 6-6422-01 | FITTING / 02 NPT BRASS ST. ELB.  | 1    |
| 15   | 7-172-05  | SENDER / ENGINE OIL PRESSURE     | 1    |
| 16   | 6-6422-01 | FITTING / 02 NPT 90 BR. ST. ELB. | 1    |



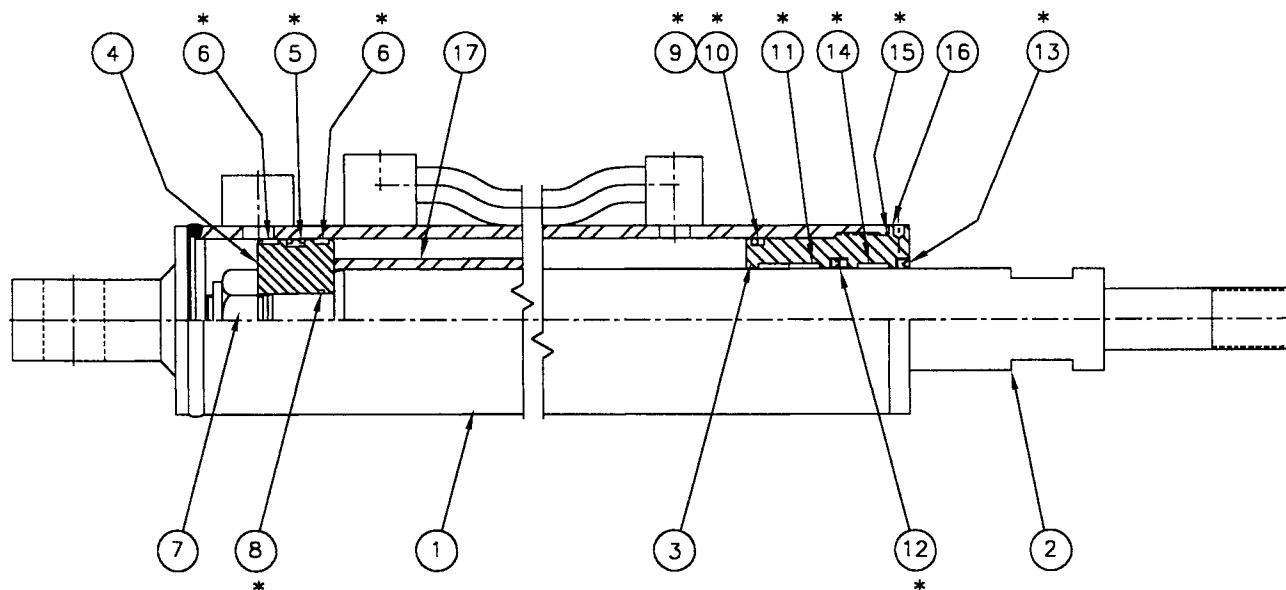
| ITEM | NUMBER      | DESCRIPTION                      | REQD |
|------|-------------|----------------------------------|------|
| 1    | 7-355-01    | BATTERY                          | 1    |
| 2    | 7-194-60    | BATTERY BOX                      | 1    |
| 3    | 7-194-65    | TIE DOWN / 24 LG.                | 1    |
| 4    | 6-7801-132B | BATTERY CABLE / RED (POSITIVE)   | 1    |
| 5    | 6-7802-88B  | BATTERY CABLE / BLACK (NEGATIVE) | 1    |



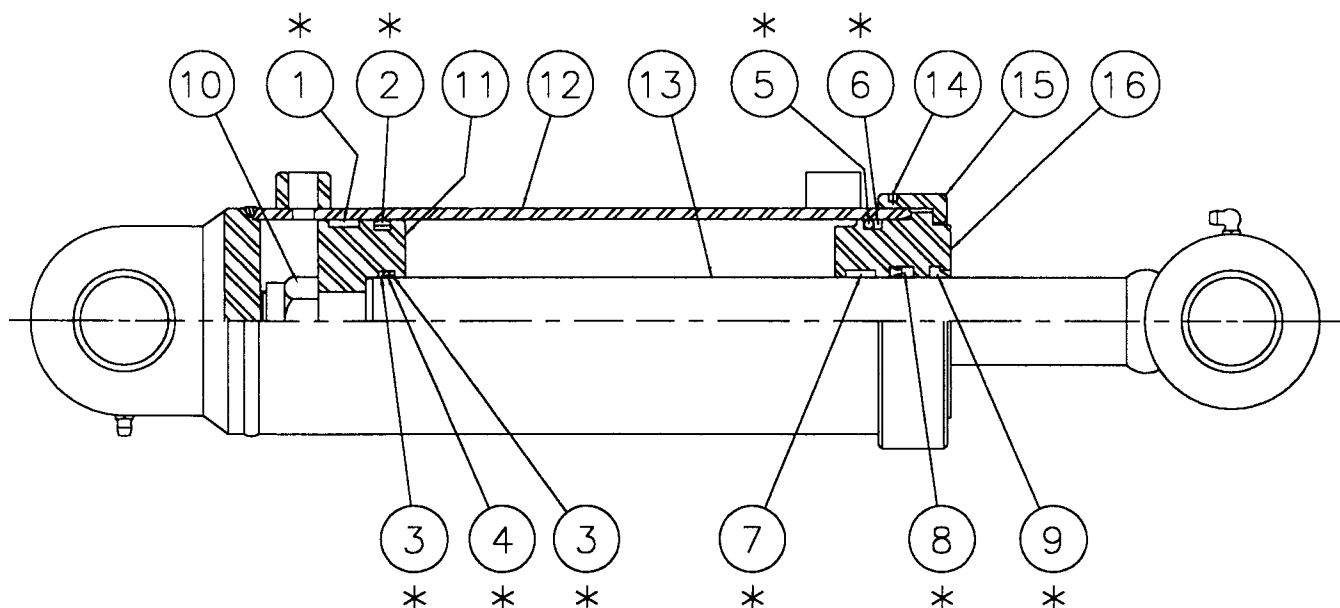
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-316-290 | BARREL ASSEMBLY                | 1    |
| 2    | 7-316-257 | ROD ASSEMBLY                   | 1    |
| 3    | 7-316-291 | HEAD                           | 1    |
| 4    | 7-316-258 | PISTON                         | 1    |
| 5    | 7-316-54  | SEAL / PISTON (*)              | 1    |
| 6    | 7-316-234 | WEAR RING / PISTON (*)         | 2    |
| 7    | 7-316-73  | SELF-LOCKING NUT               | 1    |
| 8    | 7-316-80  | O-RING / STUB SHAFT (*)        | 1    |
| 9    | 7-316-81  | O-RING / HEAD (*)              | 1    |
| 10   | 7-316-82  | BACK-UP RING / HEAD (*)        | 1    |
| 11   | 7-316-383 | WEAR RING / HEAD (*)           | 2    |
| 12   | 7-316-30  | SEAL / SHAFT (*)               | 1    |
| 13   | 7-316-36  | WIPER / SHAFT (*)              | 1    |
| 14   | 7-316-245 | O-RING (*)                     | 1    |
| 15   | 7-316-382 | BUFFER SEAL (*)                | 1    |
| 16   | 7-316-247 | SELF TAPPING SCREW             | 1    |
| 17   | 7-316-155 | BRONZE BUSHING / Ref 6-4524-32 | 1    |
| 18   | 7-316-156 | BRONZE BUSHING / Ref 6-4516-24 | 1    |
| 19   | 7-316-260 | STROKE LIMITER                 | 1    |
| 20   | 7-316-150 | LUBE FITTING                   | 2    |
| 21   |           |                                |      |
| 22   | 7-900-21  | SEAL KIT / ITEMS MARKED (*)    | REF  |



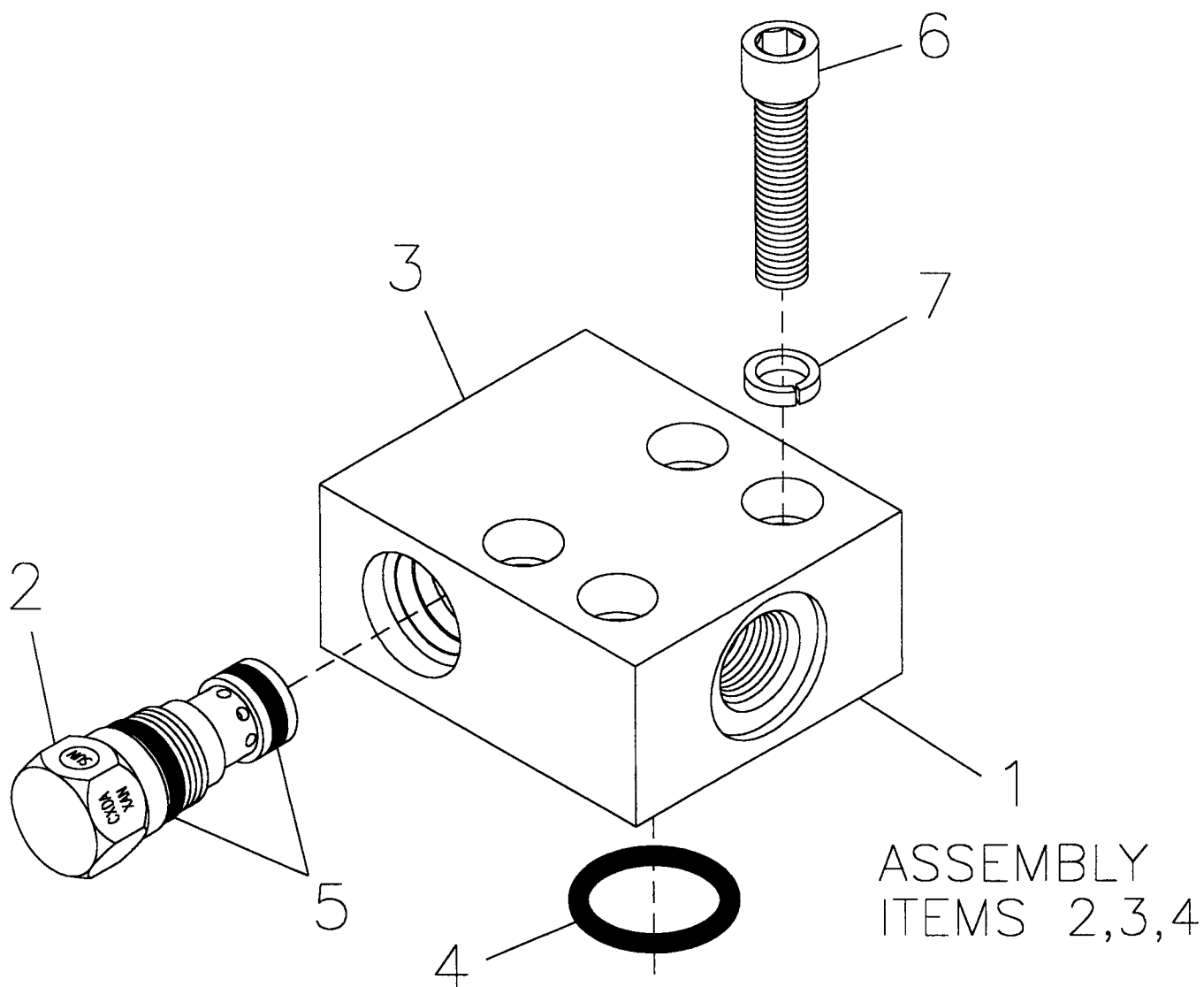
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-316-292 | BARREL ASSEMBLY                | 1    |
| 2    | 7-316-250 | ROD ASSEMBLY                   | 1    |
| 3    | 7-316-293 | HEAD                           | 1    |
| 4    | 7-316-249 | PISTON                         | 1    |
| 5    | 7-316-59  | SEAL / PISTON (*)              | 1    |
| 6    | 7-316-68  | WEAR RING / PISTON (*)         | 1    |
| 7    | 7-316-246 | SELF-LOCKING NUT               | 1    |
| 8    | 7-316-236 | O-RING / STUB SHAFT (*)        | 1    |
| 9    | 7-316-83  | O-RING / HEAD (*)              | 1    |
| 10   | 7-316-84  | BACK-UP RING / HEAD (*)        | 1    |
| 11   | 7-316-49  | WEAR RING / HEAD (*)           | 2    |
| 12   | 7-316-29  | SEAL / SHAFT (*)               | 1    |
| 13   | 7-316-35  | WIPER / SHAFT (*)              | 1    |
| 14   | 7-316-294 | O-RING (*)                     | 1    |
| 15   | 7-316-247 | SELF TAPPING SCREW             | 1    |
| 16   | 7-316-156 | BRONZE BUSHING / Ref 6-4516-24 | 1    |
| 17   | 7-316-156 | BRONZE BUSHING / Ref 6-4516-24 | 1    |
| 18   | 7-316-189 | SPACER                         | 1    |
| 19   | 7-316-150 | LUBE FITTING                   | 1    |
| 20   |           |                                |      |
| 21   | 7-900-22  | SEAL KIT / ITEMS MARKED (*)    | REF  |



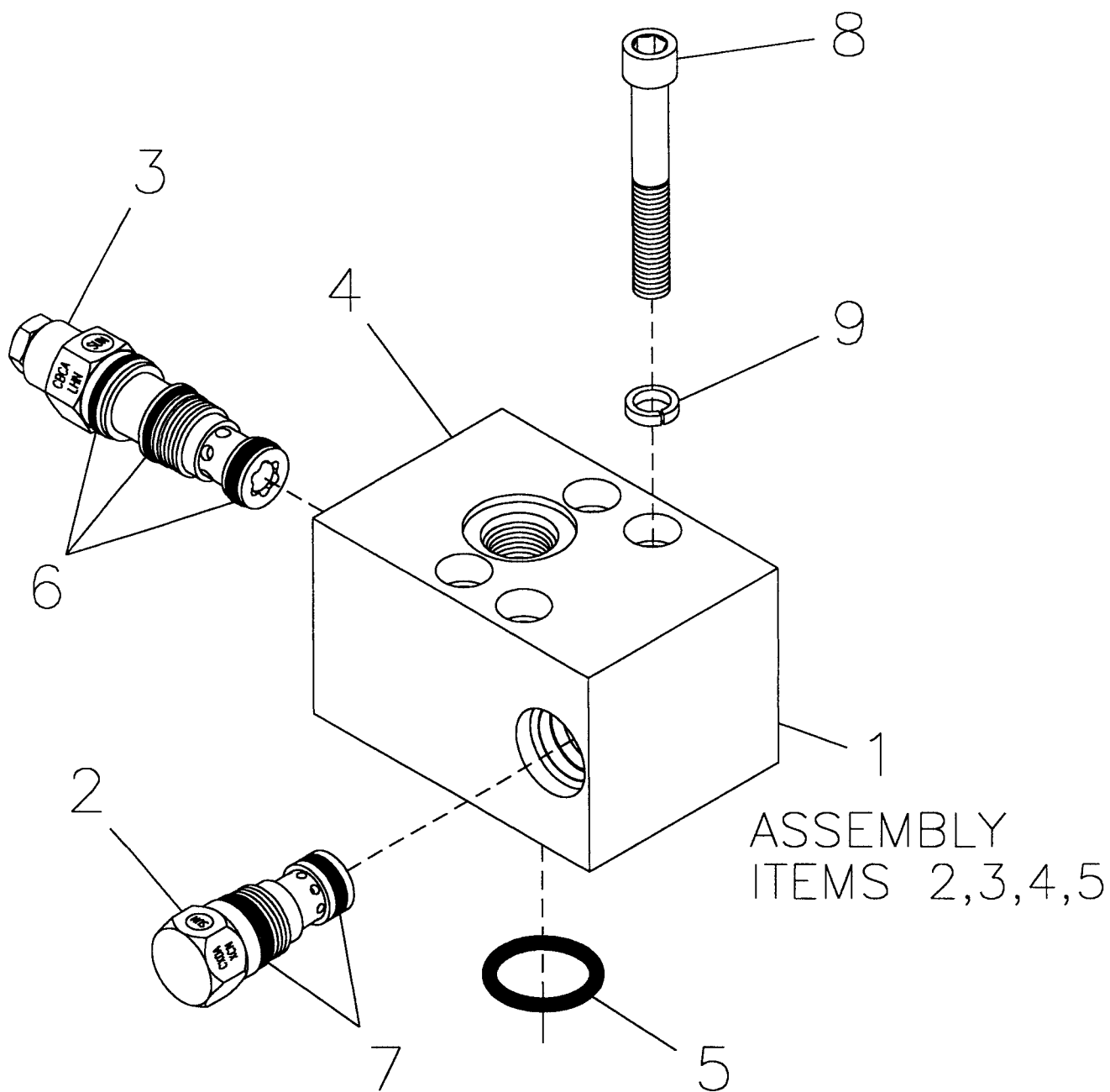
| ITEM | NUMBER    | DESCRIPTION                 | REQD |
|------|-----------|-----------------------------|------|
| 1    | 7-316-261 | BARREL ASSEMBLY             | 1    |
| 2    | 7-316-262 | ROD                         | 1    |
| 3    | 7-316-289 | HEAD                        | 1    |
| 4    | 7-316-263 | PISTON                      | 1    |
| 5    | 7-316-53  | SEAL / PISTON (*)           | 1    |
| 6    | 7-316-232 | WEAR RING / PISTON (*)      | 2    |
| 7    | 7-316-74  | SELF-LOCKING NUT            | 1    |
| 8    | 7-316-87  | O-RING / STUB SHAFT (*)     | 1    |
| 9    | 7-316-85  | O-RING / HEAD (*)           | 1    |
| 10   | 7-316-86  | BACK-UP RING / HEAD (*)     | 1    |
| 11   | 7-316-49  | WEAR RING / HEAD (*)        | 2    |
| 12   | 7-316-29  | SEAL / SHAFT (*)            | 1    |
| 13   | 7-316-35  | WIPER / SHAFT (*)           | 1    |
| 14   | 7-316-233 | WEAR / RING (*)             | 1    |
| 15   | 7-316-264 | O-RING (*)                  | 1    |
| 16   | 7-316-247 | SELF TAPPING SCREW          | 1    |
| 17   | 7-316-265 | STROKE LIMITER              | 1    |
| 18   |           |                             |      |
| 19   | 7-900-23  | SEAL KIT / ITEMS MARKED (*) | REF  |



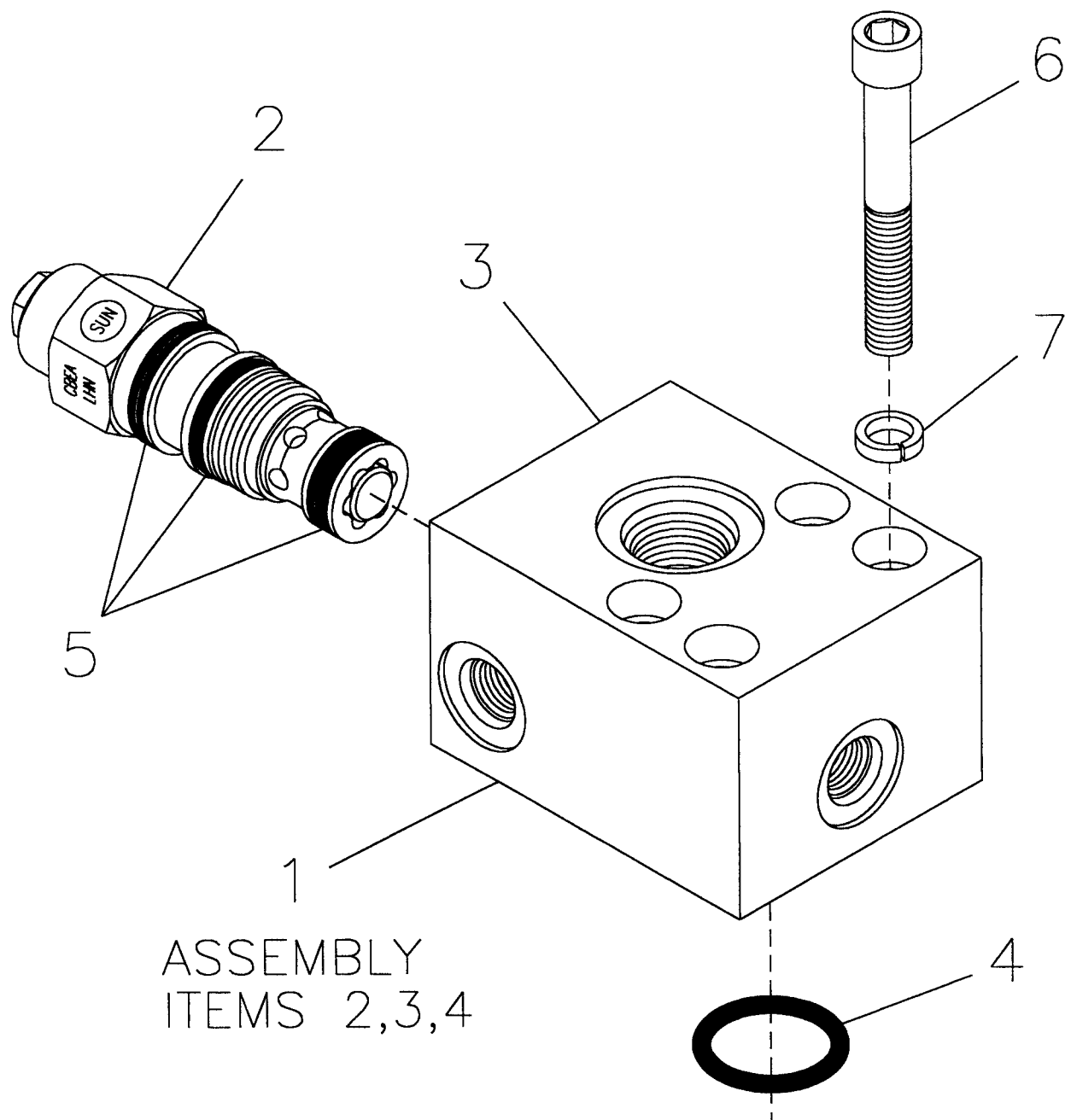
| ITEM | NUMBER   | DESCRIPTION             | REQD    |
|------|----------|-------------------------|---------|
| 1    | 7-379-20 | WEAR RING               | (*) 1   |
| 2    | 7-379-21 | PSP SEAL                | (*) 1   |
| 3    | 7-379-22 | BACK-UP RING            | (*) 2   |
| 4    | 7-379-23 | O-RING                  | (*) 1   |
| 5    | 7-379-24 | O-RING                  | (*) 1   |
| 6    | 7-379-25 | BACK-UP RING            | (*) 1   |
| 7    | 7-379-26 | WEAR RING               | (*) 1   |
| 8    | 7-379-27 | DEEP Z SEAL             | (*) 1   |
| 9    | 7-379-28 | ROD WIPER               | (*) 1   |
| 10   | 7-379-29 | LOCKNUT                 | 1       |
| 11   | 7-379-30 | PISTON                  | 1       |
| 12   | 7-379-31 | BARREL ASSEMBLY         | 1       |
| 13   | 7-379-32 | ROD ASSEMBLY            | 1       |
| 14   | 7-379-33 | CUP PT SET SCREW        | 1       |
| 15   | 7-379-34 | THREAD CAP              | 1       |
| 16   | 7-379-35 | THREAD CAP HEAD         | 1       |
| 17   |          |                         |         |
| 18   | 7-900-85 | SEAL KIT / ITEMS MARKED | (*) REF |



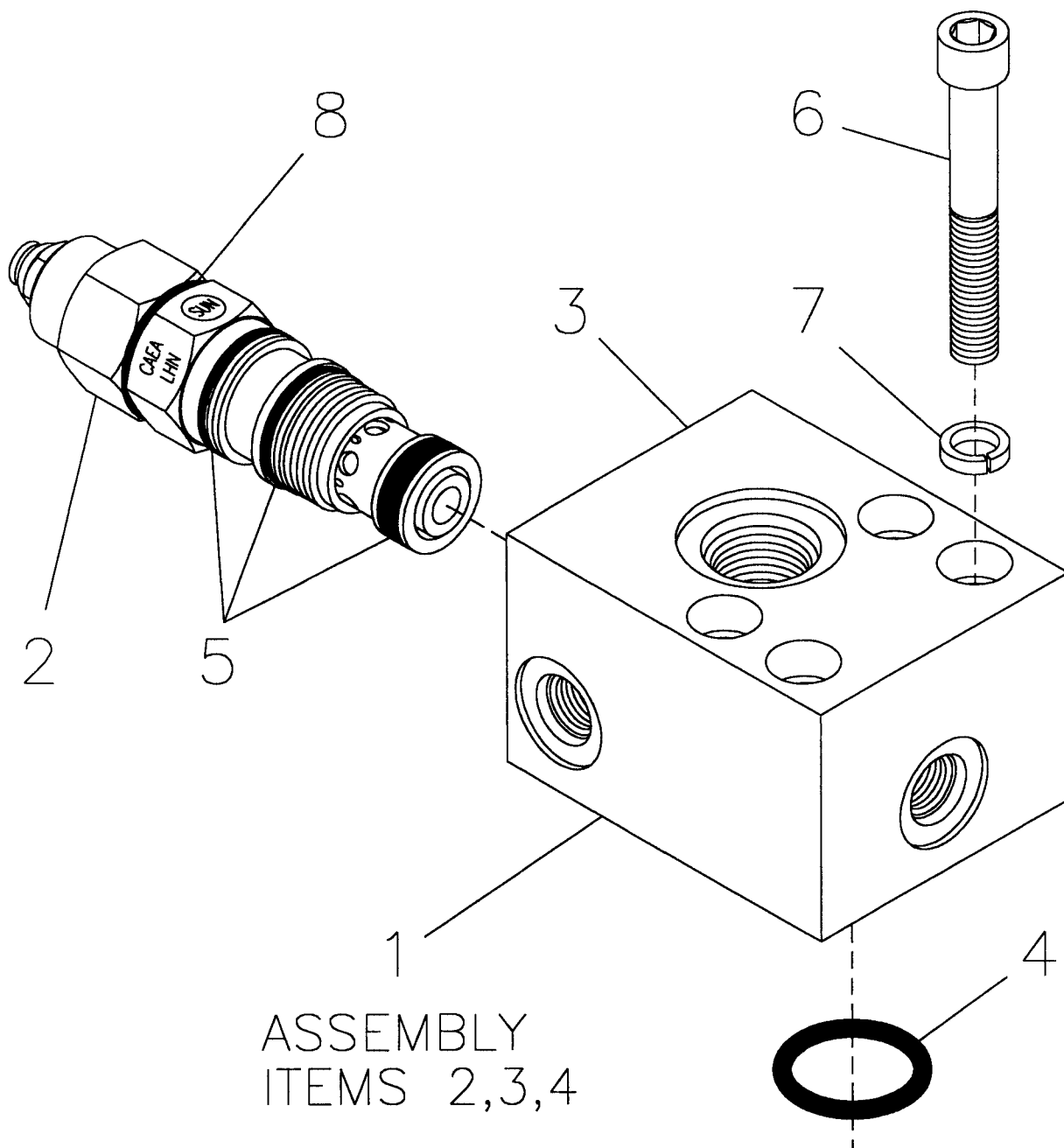
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-02  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-16  | CARTRIDGE / CHECK              | 1    |
| 3    | 7-234-24  | BODY                           | 1    |
| 4    | 7-234-32  | O-RING                         | 1    |
| 5    | 7-234-31  | SEAL KIT                       | 1    |
| 6    | 6-5606-14 | CAPSCREW SH 3/8 NC x 1 3/4 LG. | 4    |
| 7    | 6-6214-06 | LOCKWASHER 3/8 HI-COLLAR       | 4    |



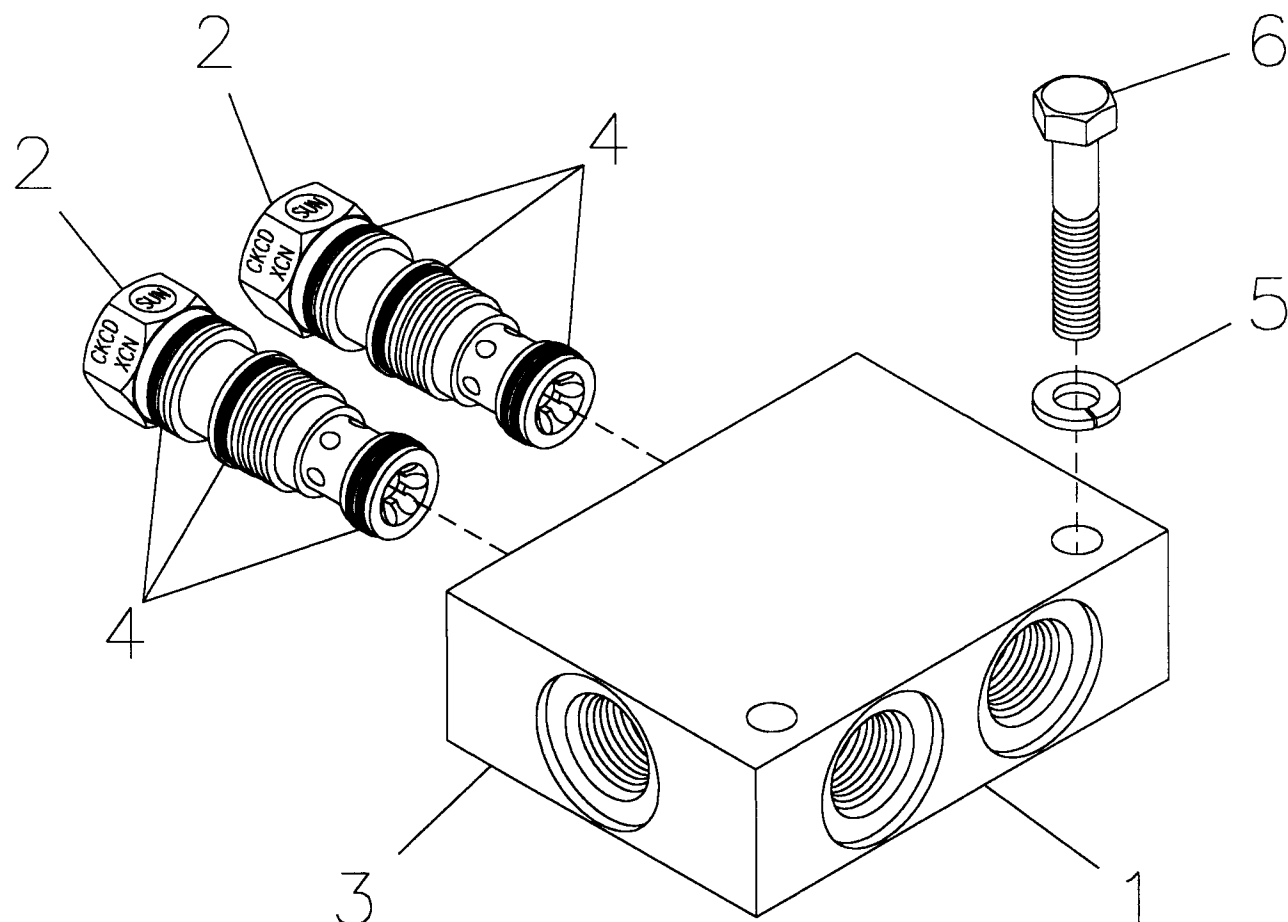
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-01  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-80  | CARTRIDGE / CHECK              | 1    |
| 3    | 7-234-19  | CARTRIDGE / COUNTERBALANCE     | 1    |
| 4    | 7-234-25  | BODY                           | 1    |
| 5    | 7-234-32  | O-RING                         | 1    |
| 6    | 7-234-29  | SEAL KIT                       | 1    |
| 7    | 7-234-31  | SEAL KIT                       | 1    |
| 8    | 6-5606-22 | CAPSCREW SH 3/8 NC x 2 3/4 LG. | 4    |
| 9    | 6-6214-06 | LOCKWASHER 3/8 HI-COLLAR       | 4    |



| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-03  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-22  | CARTRIDGE / COUNTERBALANCE     | 1    |
| 3    | 7-234-23  | BODY                           | 1    |
| 4    | 7-234-32  | O-RING                         | 1    |
| 5    | 7-234-30  | SEAL KIT                       | 1    |
| 6    | 6-5606-22 | CAPSCREW SH 3/8 NC x 2 3/4 LG. | 4    |
| 7    | 6-6214-06 | LOCKWASHER 3/8 HI-COLLAR       | 4    |

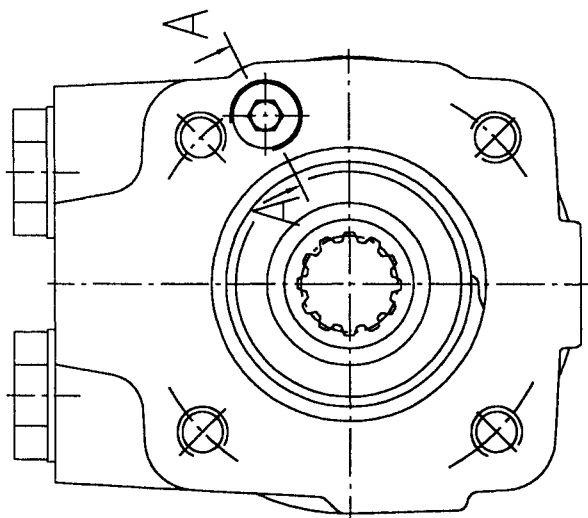
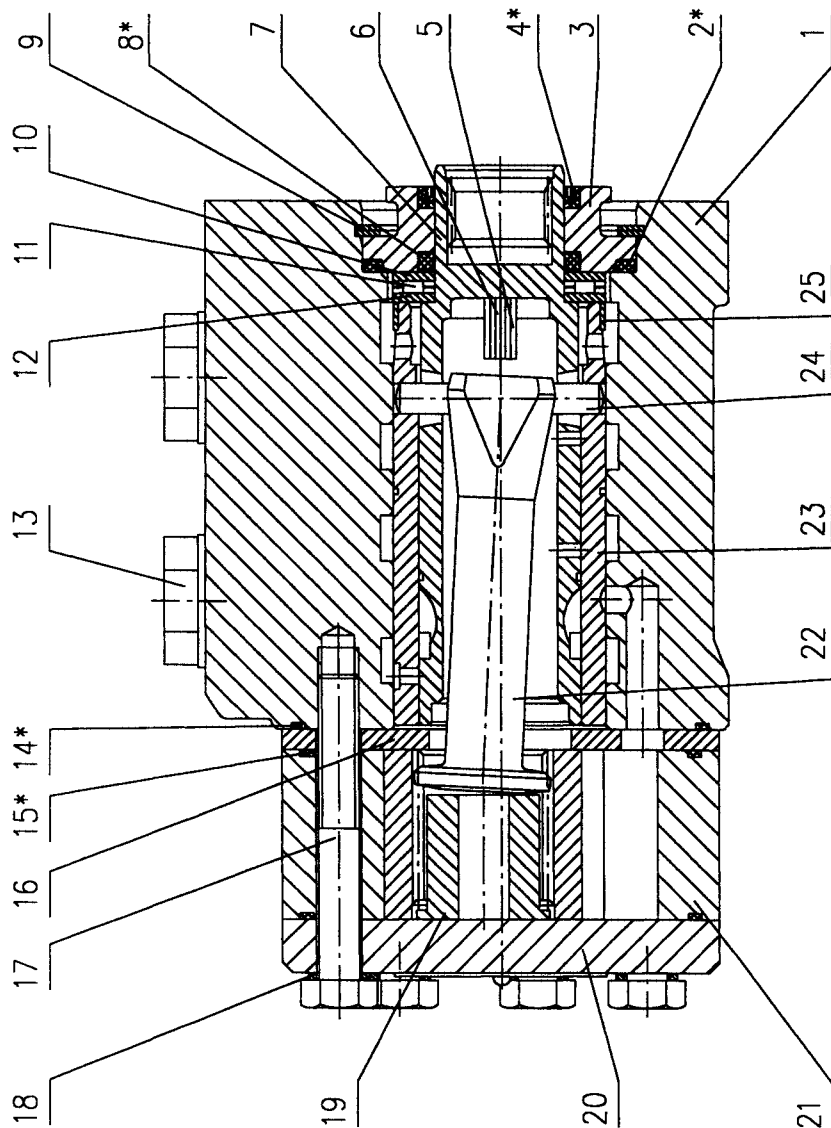


| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-54  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-53  | CARTRIDGE / COUNTERBALANCE     | 1    |
| 3    | 7-234-23  | BODY                           | 1    |
| 4    | 7-234-32  | O-RING                         | 1    |
| 5    | 7-234-30  | SEAL KIT                       | 1    |
| 6    | 6-5606-22 | CAPSCREW SH 3/8 NC x 2 3/4 LG. | 4    |
| 7    | 6-6214-06 | LOCKWASHER 3/8 HI-COLLAR       | 4    |
| 8    | 7-234-60  | O-RING                         | 1    |

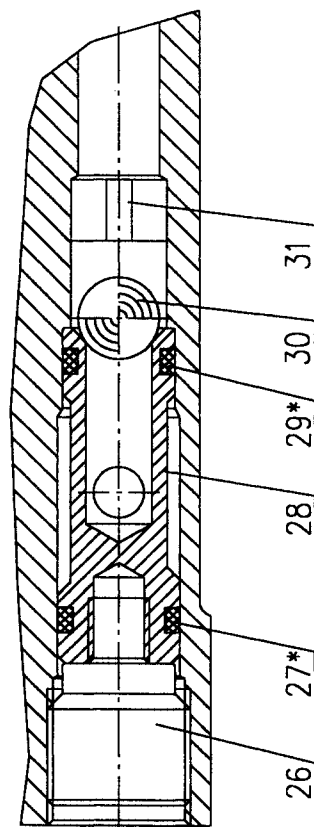


ASSEMBLY  
ITEMS 2,3

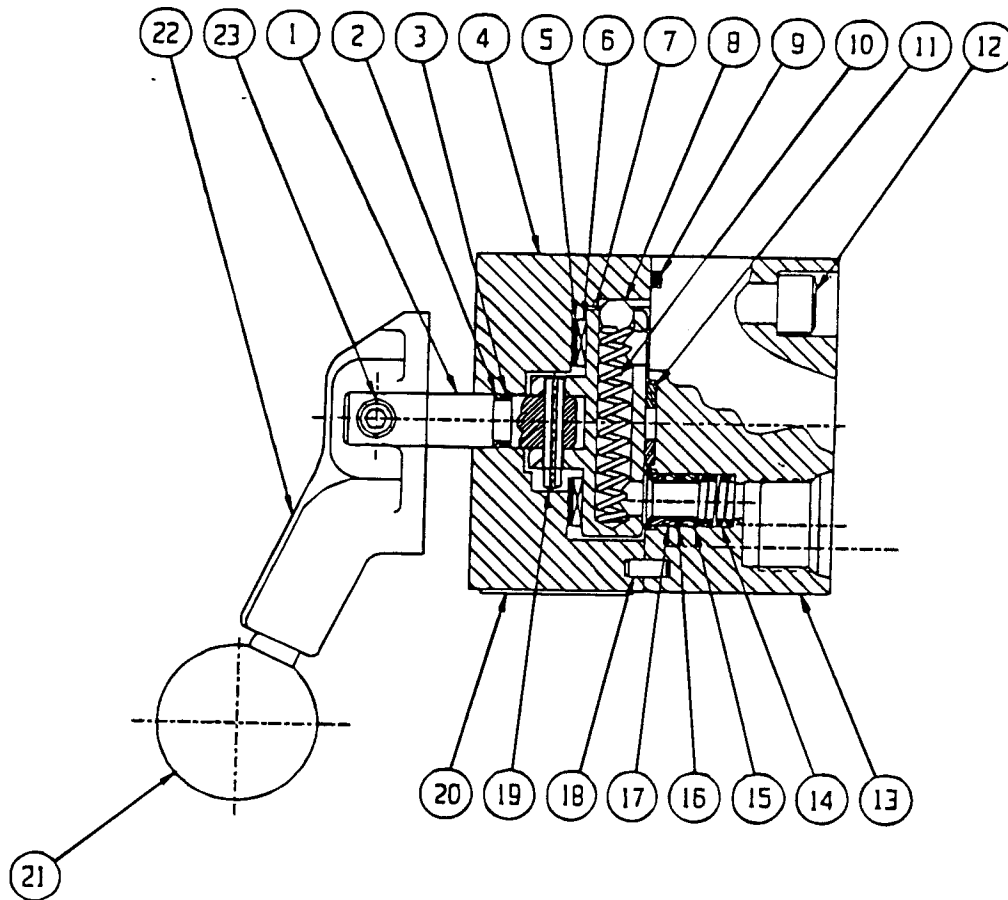
| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-234-04  | DUAL PILOT CHECK VALVE ASSY  | 1    |
| 2    | 7-234-18  | CARTRIDGE / PILOT CHECK      | 2    |
| 3    | 7-234-21  | BODY                         | 1    |
| 4    | 7-234-29  | SEAL KIT                     | 2    |
| 5    | 6-6211-05 | LOCKWASHER 5/16              | 2    |
| 6    | 6-5205-14 | CAPSCREW 5/16 NC x 1 3/4 LG. | 2    |



A - A



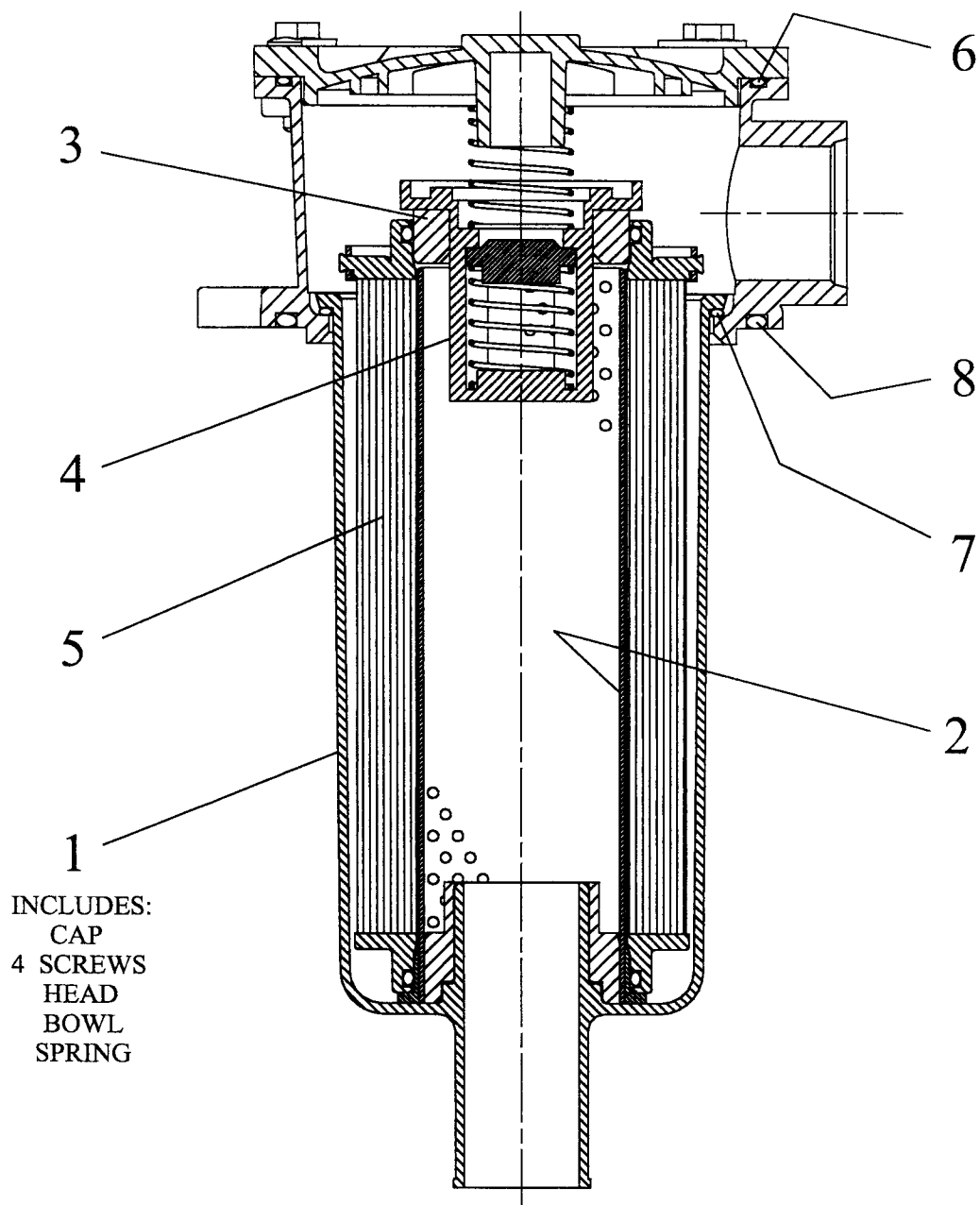
| ITEM | NUMBER   | DESCRIPTION                                 | REQD |
|------|----------|---------------------------------------------|------|
| 1    | 7-147-08 | HOUSING                                     | 1    |
| 2    | 7-147-09 | O-RING*                                     | 1    |
| 3    | 7-147-10 | FRONT COVER                                 | 1    |
| 4    | 7-147-11 | DUST SEAL*                                  | 1    |
| 5    | 7-147-12 | SPRING, FLAT                                | 2    |
| 6    | 7-147-13 | SPRING                                      | 4    |
| 7    | 7-147-14 | CONTROL SPOOL                               | 1    |
| 8    | 7-147-15 | X-RING*                                     | 1    |
| 9    | 7-147-16 | RETAINING RING                              | 1    |
| 10   | 7-147-17 | BEARING RACE 1                              | 1    |
| 11   | 7-147-18 | THRUST BEARING                              | 1    |
| 12   | 7-147-19 | BEARING RACE 2                              | 1    |
| 13   | 7-147-20 | SEAL PLUG                                   | 4    |
| 14   | 7-147-21 | O-RING*                                     | 1    |
| 15   | 7-147-22 | O-RING*                                     | 2    |
| 16   | 7-147-23 | DISTRIBUTOR PLATE                           | 1    |
| 17   | 7-147-24 | SCREW                                       | 7    |
| 18   | 7-147-25 | WASHER                                      | 7    |
| 19   | 7-147-26 | SPACER                                      | 1    |
| 20   | 7-147-27 | END COVER                                   | 1    |
| 21   | 7-147-28 | GEAR WHEEL SET                              | 1    |
| 22   | 7-147-29 | DRIVE                                       | 1    |
| 23   | 7-147-30 | CONTROL SLEEVE                              | 1    |
| 24   | 7-147-31 | PIN                                         | 1    |
| 25   | 7-147-32 | RING                                        | 1    |
| 26   | 7-147-33 | PLUG                                        | 1    |
| 27   | 7-147-34 | O-RING*                                     | 1    |
| 28   | 7-147-35 | VALVE SEAT                                  | 1    |
| 29   | 7-147-36 | O-RING*                                     | 1    |
| 30   | 7-147-37 | BALL                                        | 1    |
| 31   | 7-147-38 | CROSS SUPPORT                               | 1    |
| 32   | 7-147-07 | SEAL KIT (INCL. ITEMS 2,4,8,14,15,27, & 29) | REF  |



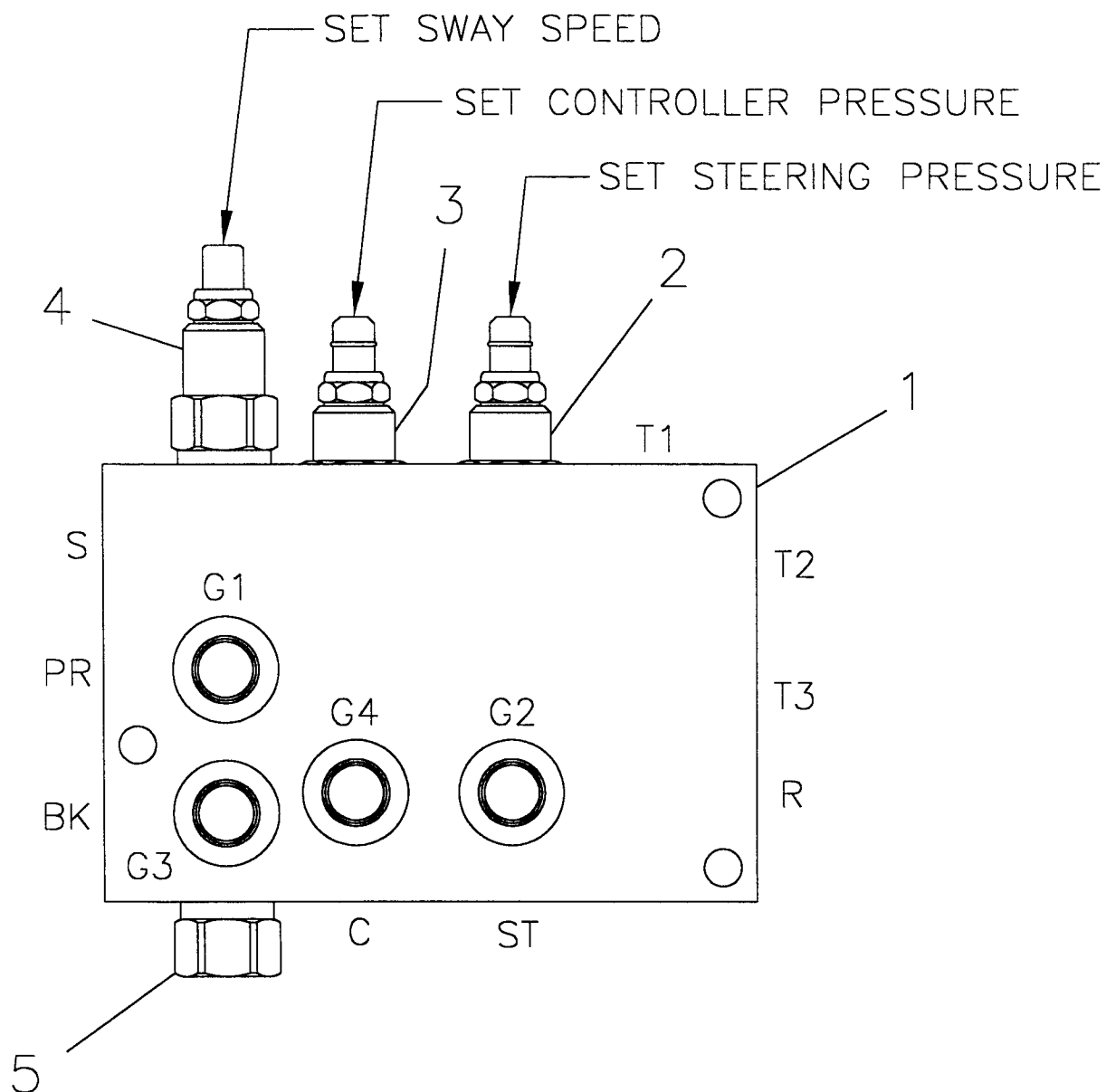
| ITEM | NUMBER   | DESCRIPTION                | REQD |
|------|----------|----------------------------|------|
| 1    |          | SHAFT                      | 1    |
| 2    | 7-359-06 | BACK UP RING - SHAFT       | 1    |
| 3    | 7-359-07 | O-RING - SHAFT             | 1    |
| 4    |          | HOUSING                    | 1    |
| 5    |          | THRUST WASHER              | 1    |
| 6    | 7-359-08 | THRUST BEARING             | 1    |
| 7    | 7-359-09 | ROTOR                      | 1    |
| 8    | 7-359-10 | BALL - DETENT              | 1    |
| 9    | 7-359-11 | O-RING - HOUSING           | 1    |
| 10   | 7-359-12 | SPRING - DETENT            | 1    |
| 11   |          | WASHER - SPACER            | 1    |
| 12   |          | SCREW - BODY               | 4    |
| 13   |          | BODY                       | 1    |
| 14   | 7-359-13 | SPRING - PRESS. SEAL       | 4    |
| 15   | 7-359-14 | PRESSURE SEAL              | 4    |
| 16   | 7-359-07 | O-RING - PRESS. SEAL       | 4    |
| 17   | 7-359-06 | BACK UP RING - PRESS. SEAL | 8    |
| 18   |          | PIN - LOCATING             | 1    |
| 19   |          | ROLL PIN - ROTOR           | 1    |
| 20   |          | NAMEPLATE                  | 1    |
| 21   |          | KNOB - HANDLE              | 1    |
| 22   | 7-359-03 | HANDLE / 5/8 LONG          | 1    |
| 23   |          | SET SCREW                  | 2    |

## NOTES

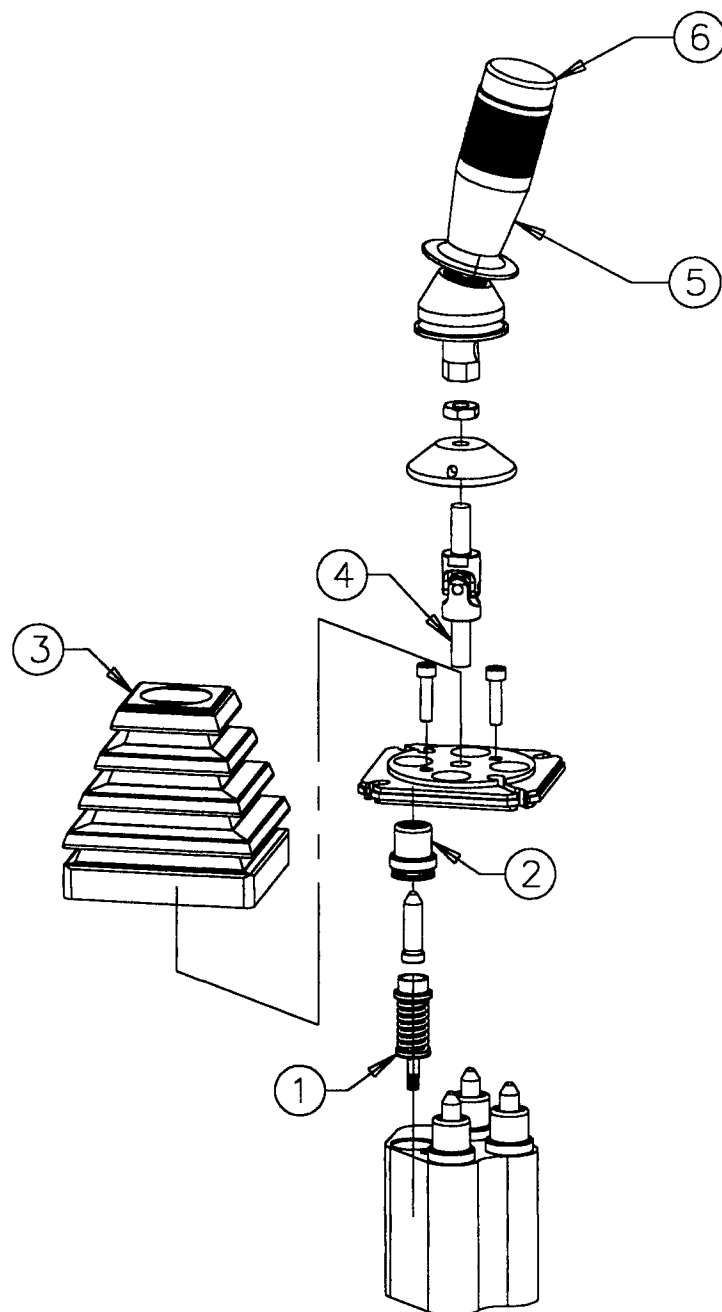
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



| ITEM | NUMBER   | DESCRIPTION          | REQD |
|------|----------|----------------------|------|
| 1    | 7-118-04 | HOUSING SUB-ASSEMBLY | 1    |
| 2    | 7-118-05 | CORE ASSEMBLY        | 1    |
| 3    | 7-118-06 | UPPER NIPPLE         | 1    |
| 4    | 7-118-07 | BYPASS VALVE         | 1    |
| 5    | 7-118-02 | ELEMENT / FILTER     | 1    |
| 6    | 7-118-03 | O-RING               | 1    |
| 7    | 7-118-08 | O-RING               | 1    |
| 8    | 7-118-09 | O-RING               | 1    |



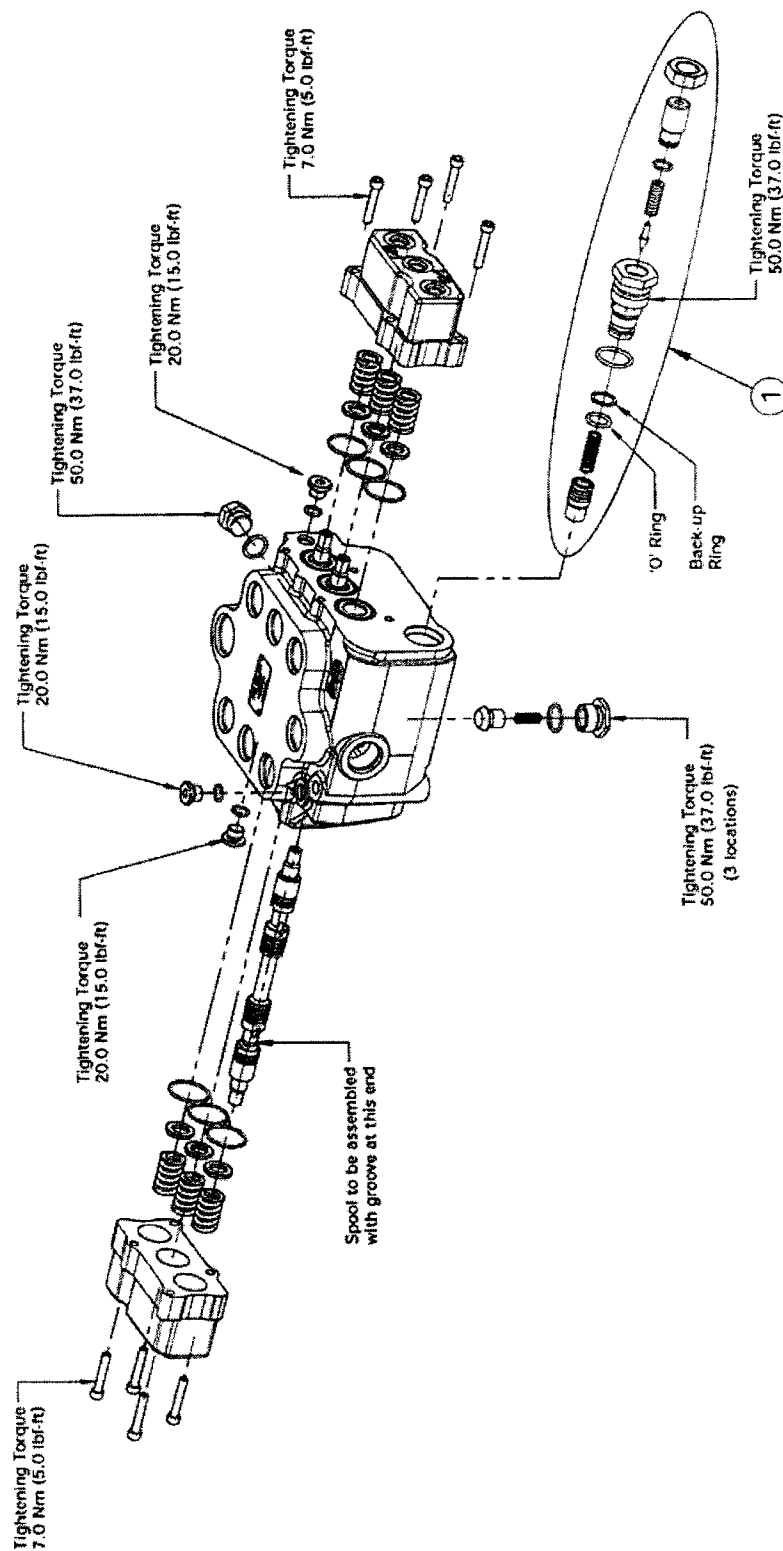
| ITEM | NUMBER   | DESCRIPTION                        | REQD |
|------|----------|------------------------------------|------|
| 1    | 7-234-97 | BODY                               | 1    |
| 2    | 7-234-28 | CARTRIDGE / REDUC.-RELIEVING       | 1    |
| 3    | 7-234-13 | CARTRIDGE / REDUC.-RELIEVING       | 1    |
| 4    | 7-234-37 | CARTRIDGE / NEEDLE                 | 1    |
| 5    | 7-234-80 | CARTRIDGE / CHECK                  | 1    |
| 6    | 7-234-94 | CONTROL BLOCK ASSEMBLY (ITEMS 1-5) | 1    |



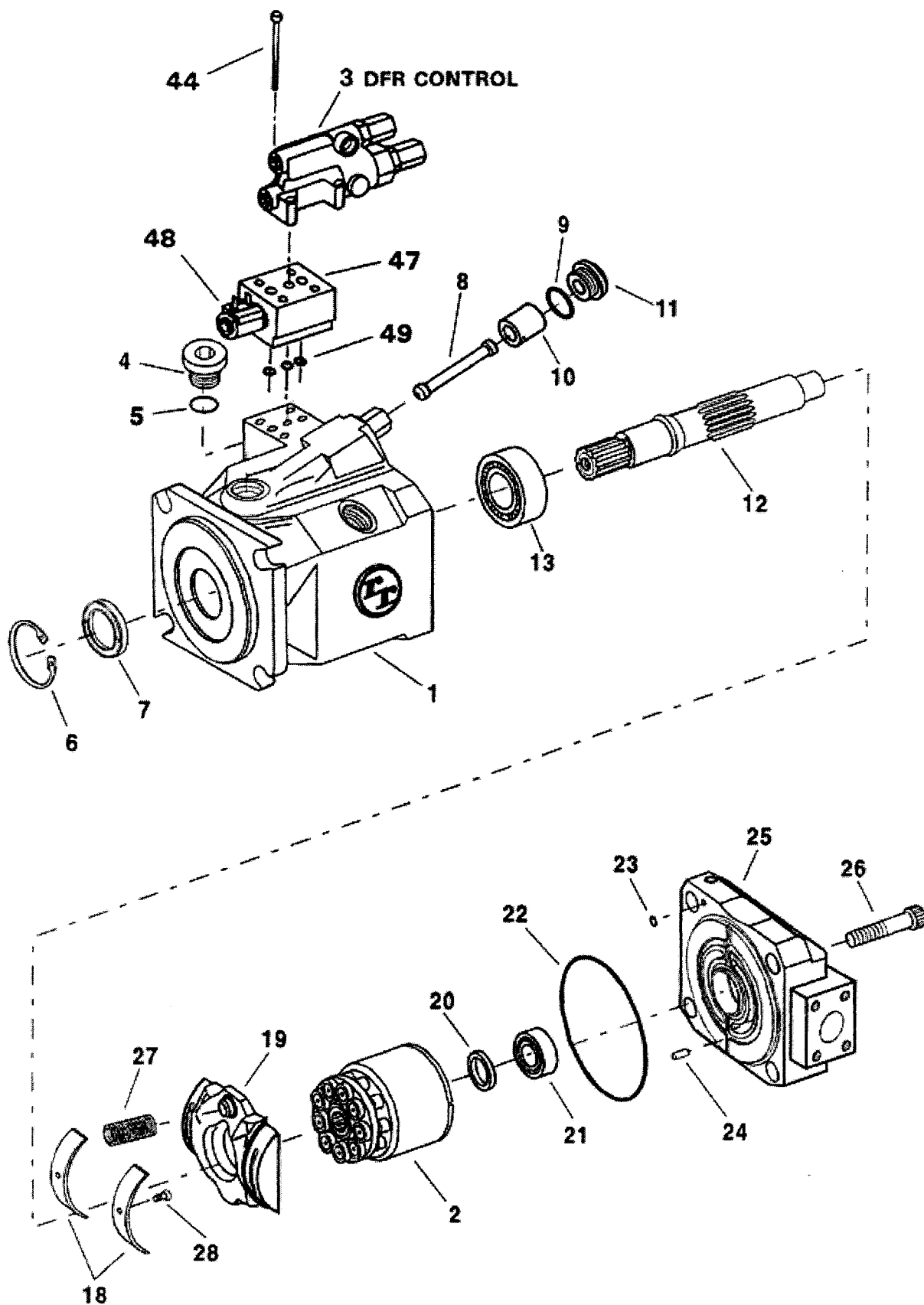
| ITEM | NUMBER   | DESCRIPTION                         | REQD |
|------|----------|-------------------------------------|------|
| 1    | 7-358-16 | SPRING PACK                         | 4    |
| 2    | 7-358-17 | GUIDE & SEAL ASSEMBLY               | 4    |
| 3    | 7-358-18 | BOOT                                | 1    |
| 4    | 7-358-19 | UNIVERSAL JOINT ASSEMBLY            | 1    |
| 5    | 7-358-20 | COMPLETE HANDLE ASSY (INCL. ITEM 6) | 1    |
| 6    | 7-358-28 | RUBBER SWITCH COVER                 | 1    |

# NOTES

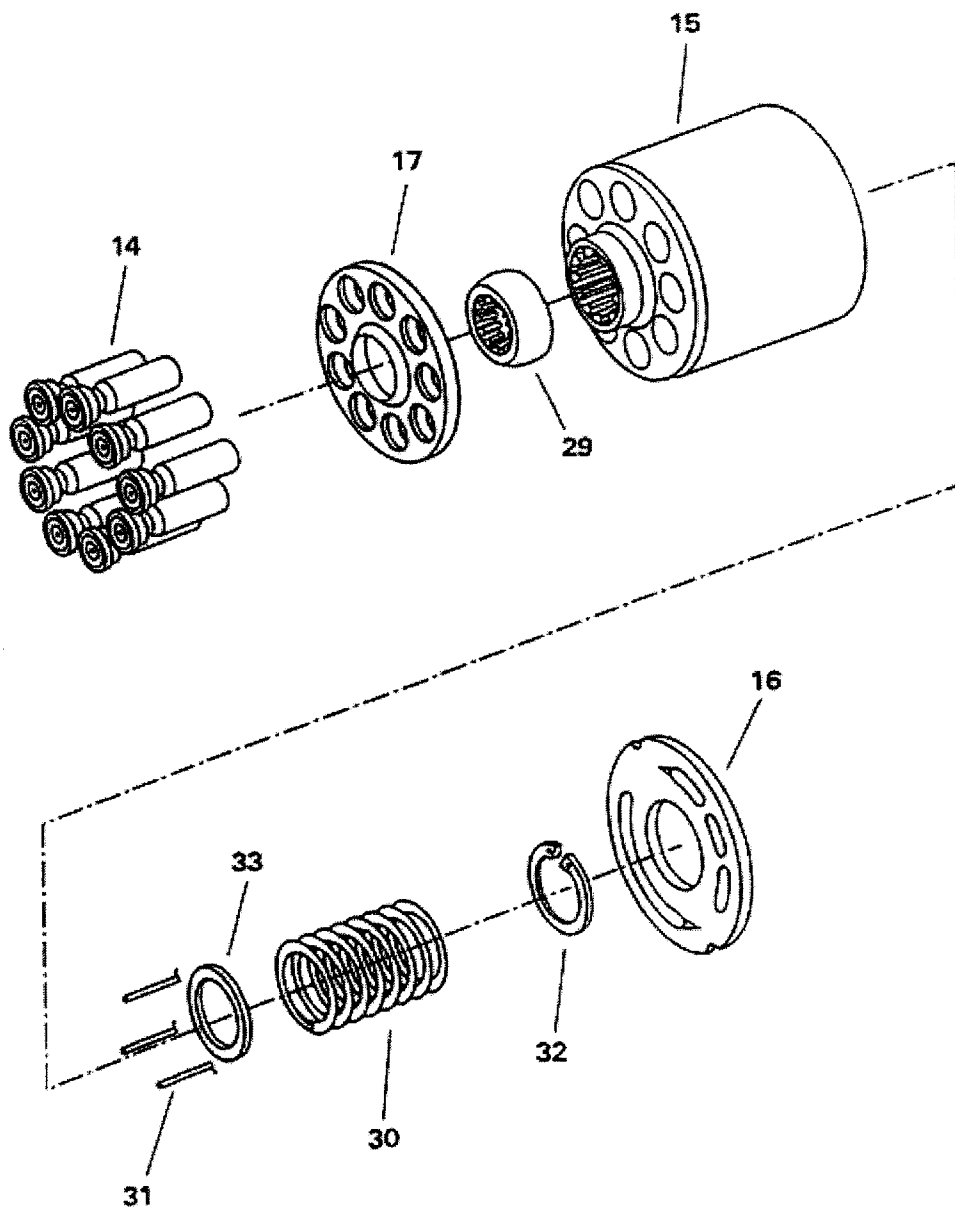
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



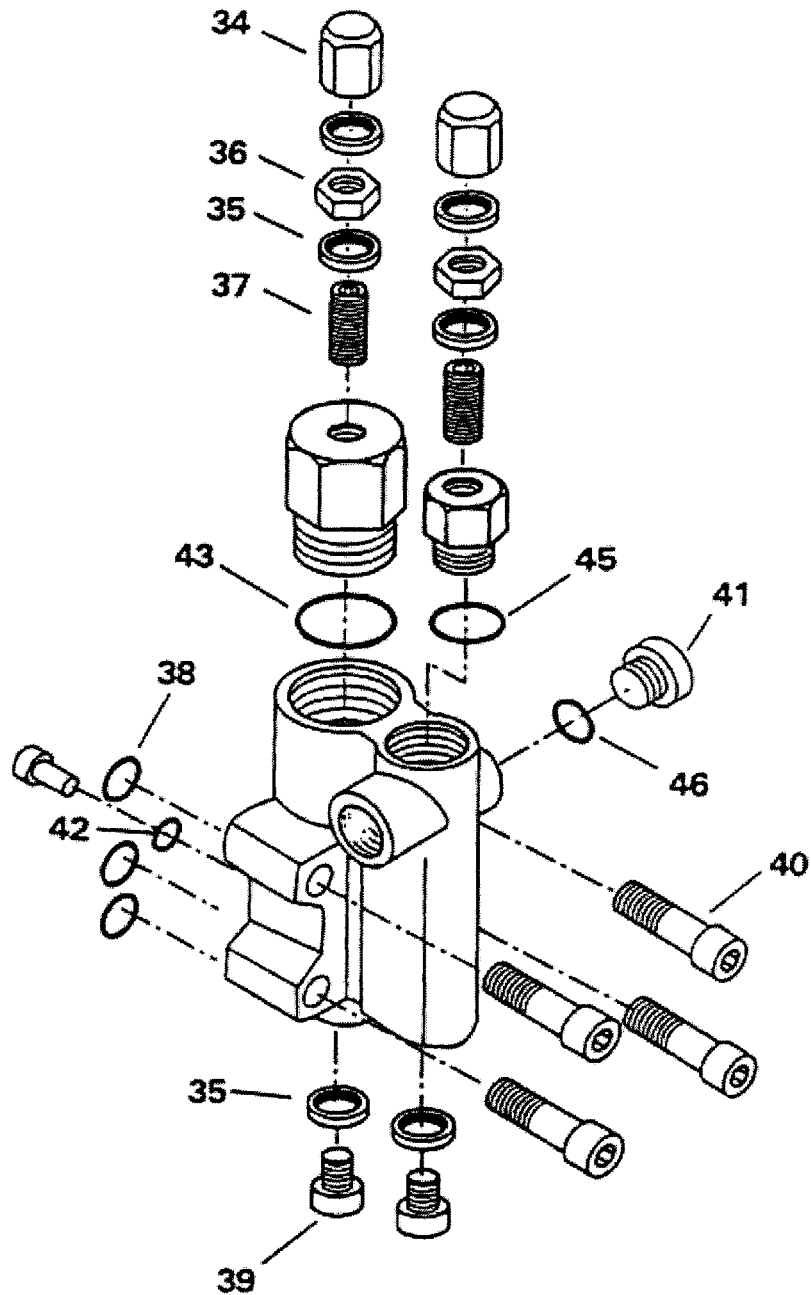
| ITEM | NUMBER   | DESCRIPTION                               | REQD |
|------|----------|-------------------------------------------|------|
| 1    | 7-358-35 | MAIN RELIEF VALVE ASSEMBLY                | 1    |
| 2    | 7-358-37 | RELIEF VALVE REPAIR KIT (INCL. IN ITEM 1) | 1    |
| 3    | 7-358-38 | MAIN VALVE REPAIR KIT (INCL. ITEM 2)      | 1    |



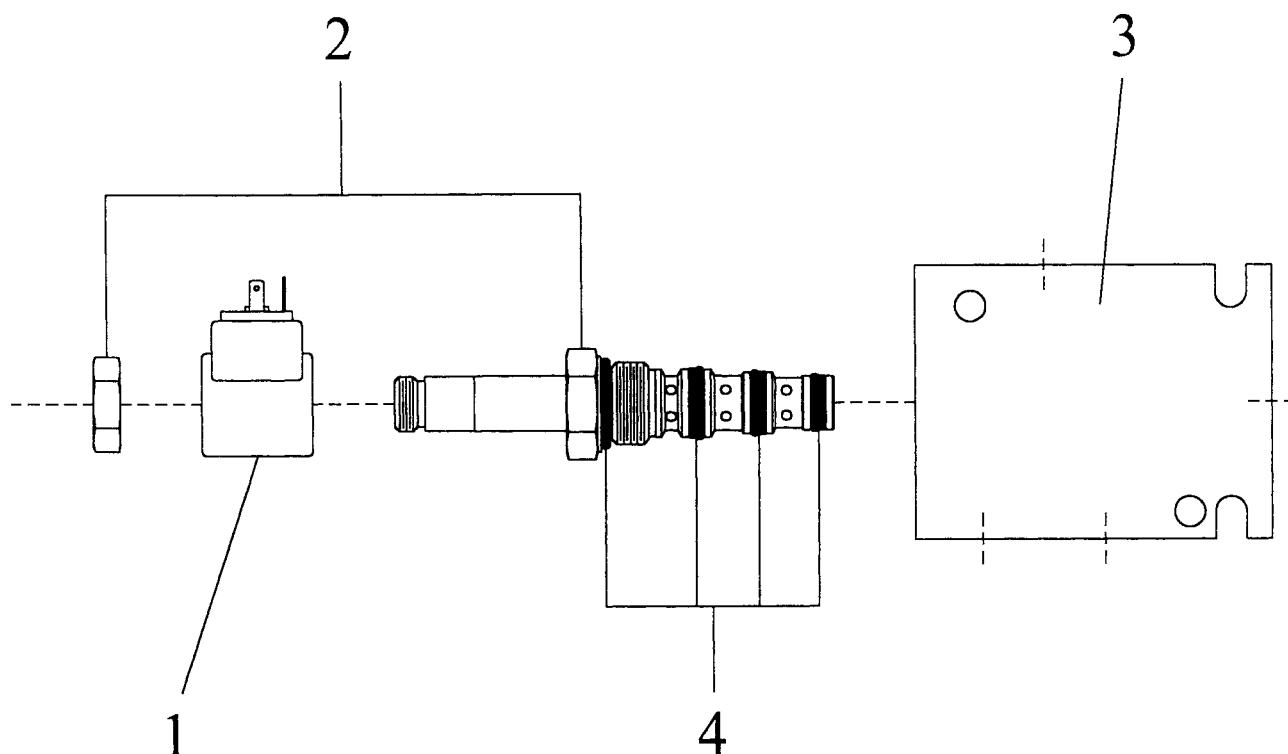
ITEM 2  
 ROTARY GROUP CW  
 PARTS BREAKDOWN



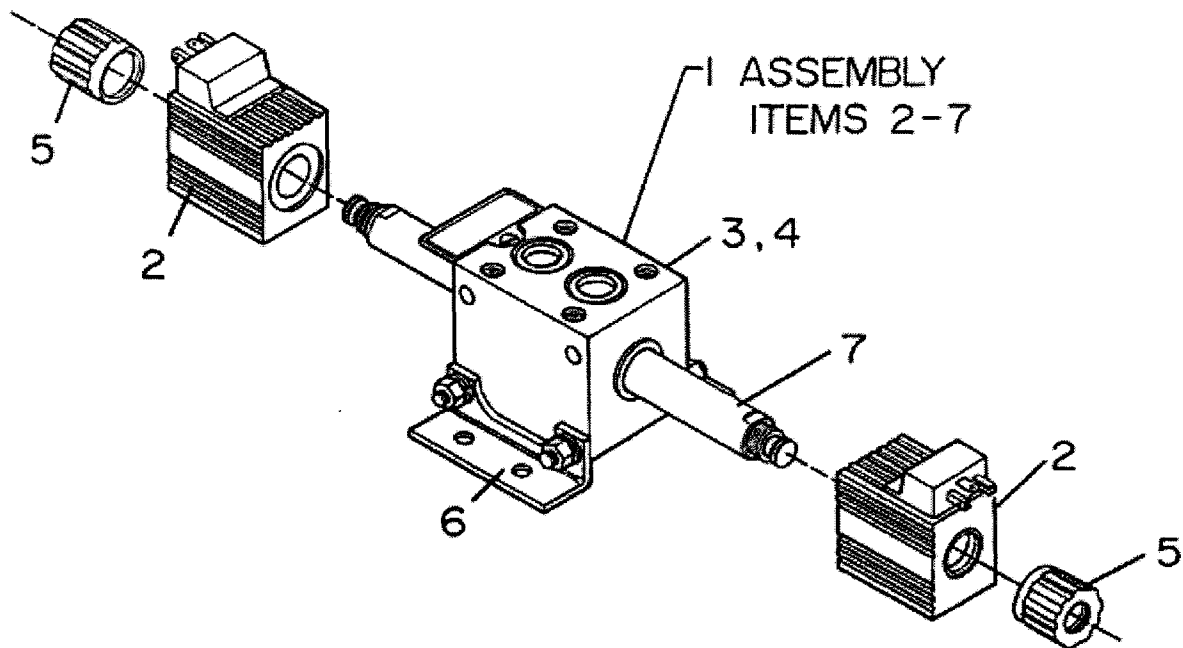
ITEM 3  
DFR CONTROL  
PARTS BREAKDOWN



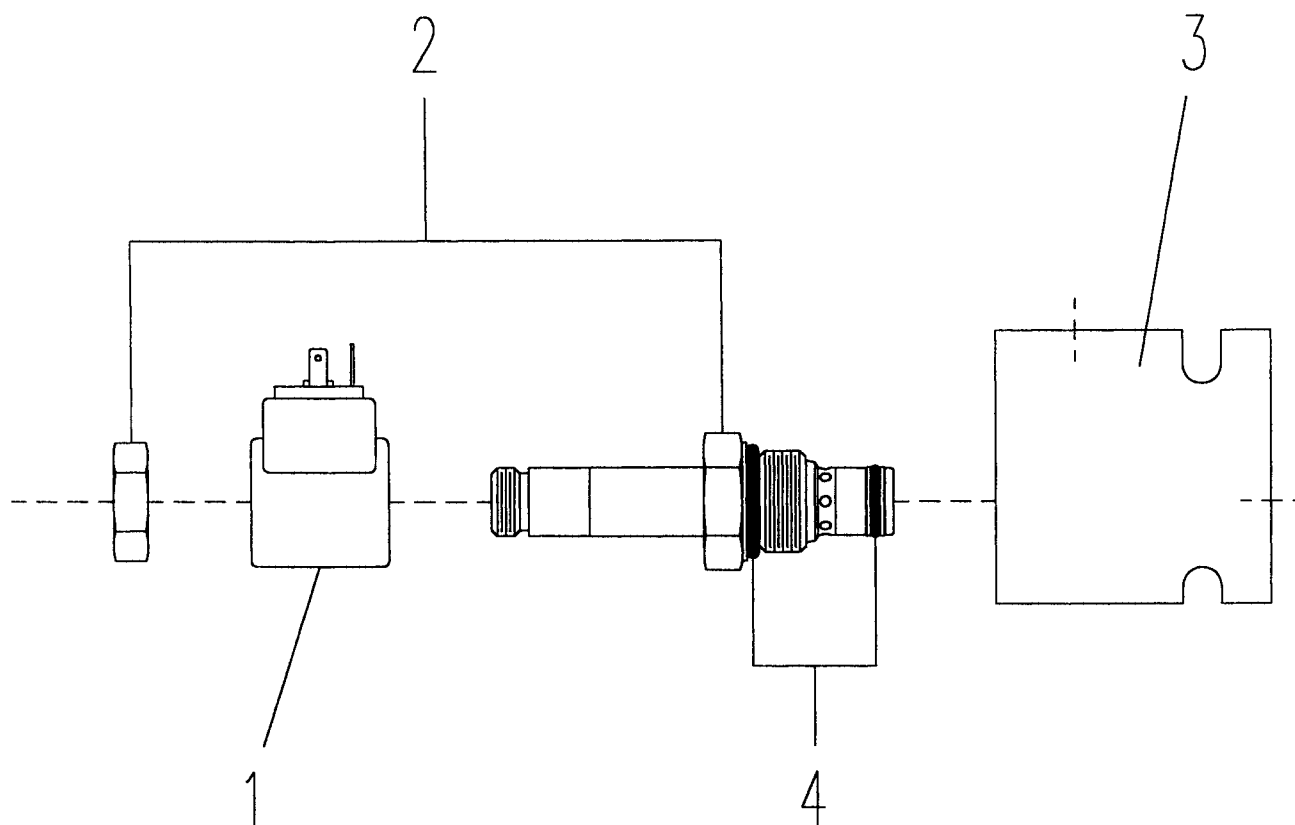
| ITEM | NUMBER    | DESCRIPTION                 | REQD |
|------|-----------|-----------------------------|------|
| 1    | 7-345-159 | HOUSING ASSEMBLY            | 1    |
| 2    | 7-345-160 | ROTARY GROUP CW             | 1    |
| 3    | 7-345-140 | DFR CONTROL                 | 1    |
| 4    | 7-345-05  | PLUG                        | 1    |
| 5    | 7-345-06  | O-RING (*)                  | 1    |
| 6    | 7-345-08  | SNAP RING                   | 1    |
| 7    | 7-345-09  | SHAFT SEAL (*)              | 1    |
| 8    | 7-345-10  | ROD                         | 1    |
| 9    | 7-345-11  | O-RING (*)                  | 1    |
| 10   | 7-345-12  | PISTON                      | 1    |
| 11   | 7-345-161 | PLUG                        | 1    |
| 12   | 7-345-162 | SHAFT                       | 1    |
| 13   | 7-345-163 | TAPERED ROLLER BEARING      | 1    |
| 14   | 7-345-27  | PISTON                      | 9    |
| 15   | 7-345-28  | BARREL                      | 1    |
| 16   | 7-345-158 | LENS PLATE                  | 1    |
| 17   | 7-345-30  | RETAINING PLATE             | 1    |
| 18   | 7-345-16  | SWASH PLATE BEARING         | 2    |
| 19   | 7-345-164 | SWASH PLATE                 | 1    |
| 20   | 7-345-18  | PRELOAD SHIM                | 1    |
| 21   | 7-345-19  | TAPERED ROLLER BEARING      | 1    |
| 22   | 7-345-20  | O-RING (*)                  | 1    |
| 23   | 7-345-21  | QUAD RING (*)               | 2    |
| 24   | 7-345-22  | DOWEL PIN                   | 1    |
| 25   | 7-345-23  | BLOCK PORT ASSEMBLY         | 1    |
| 26   | 7-345-24  | CAPSCREW                    | 4    |
| 27   | 7-345-25  | SPRING                      | 1    |
| 28   | 7-345-26  | SCREW                       | 2    |
| 29   | 7-345-31  | RETAINING BALL              | 1    |
| 30   | 7-345-32  | SPRING                      | 1    |
| 31   | 7-345-157 | PRESSURE PIN                | 3    |
| 32   | 7-345-34  | SEEGER V-RING               | 1    |
| 33   | 7-345-35  | DISC-RETAINING CLIP         | 1    |
| 34   | 7-345-36  | ACORN NUT                   | 2    |
| 35   | 7-345-37  | USIT RING (*)               | 6    |
| 36   | 7-345-38  | JAM NUT                     | 2    |
| 37   | 7-345-39  | ADJUSTING SCREW             | 2    |
| 38   | 7-345-40  | O-RING (*)                  | 3    |
| 39   | 7-345-41  | PLUG                        | 2    |
| 40   | 7-345-42  | CAPSCREW                    | 4    |
| 41   | 7-345-43  | PLUG                        | 1    |
| 42   | 7-345-45  | O-RING (*)                  | 1    |
| 43   | 7-345-46  | O-RING (*)                  | 1    |
| 44   | 7-345-53  | BOLT                        | 4    |
| 45   | 7-345-47  | O-RING (*)                  | 1    |
| 46   | 7-345-44  | O-RING (*)                  | 1    |
| 47   | 7-345-49  | BLOCK                       | 1    |
| 48   | 7-345-50  | CARTRIDGE / 3-WAY           | 1    |
| 49   | 7-345-52  | O-RING                      | 3    |
| 50   | 7-345-48  | SEAL KIT / ITEMS MARKED (*) | REF  |
| 51   | 7-345-51  | SEAL KIT (FOR ITEM #48)     | REF  |



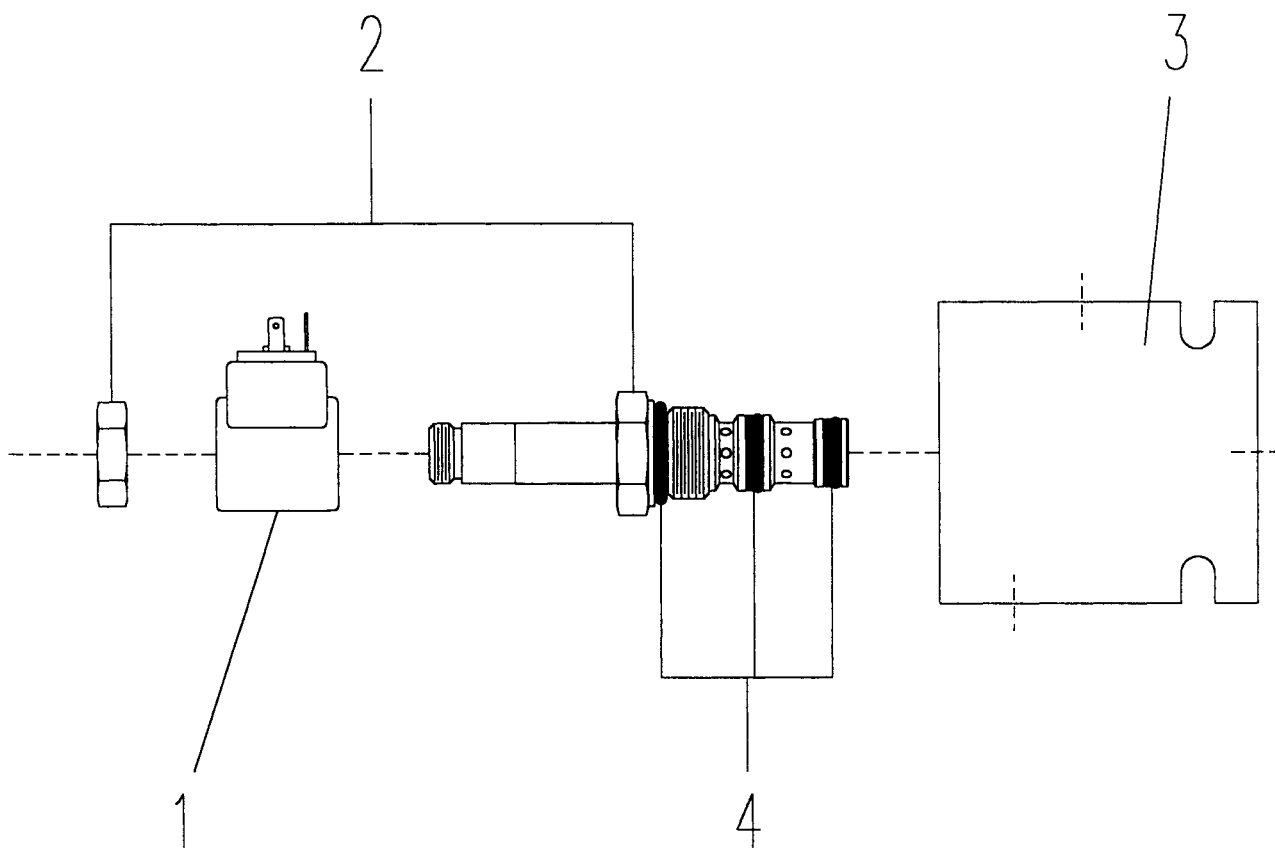
| ITEM | NUMBER   | DESCRIPTION               | REQD |
|------|----------|---------------------------|------|
| 1    | 7-367-05 | COIL / DIN                | 1    |
| 2    | 7-367-10 | CARTRIDGE ASSEMBLY w/ NUT | 1    |
| 3    | 7-367-11 | BODY                      | 1    |
| 4    | 7-367-19 | SEAL KIT                  | 1    |



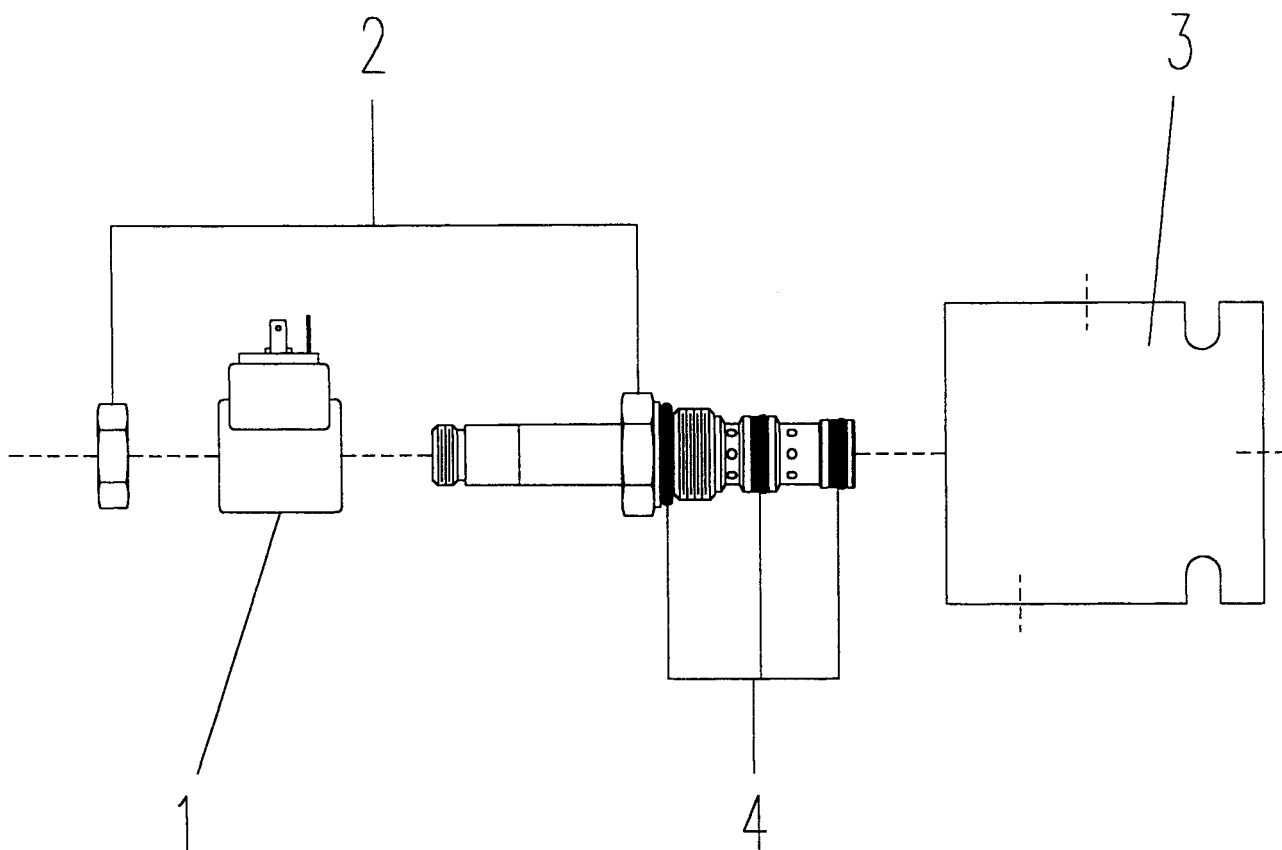
| ITEM | NUMBER   | DESCRIPTION                   | REQD |
|------|----------|-------------------------------|------|
| 1    | 7-244-31 | ELECTRIC VALVE ASSY / 4-WAY   | 1    |
| 2    | 7-244-40 | COIL / DIN                    | 2    |
| 3    | 7-244-17 | SPOOL                         | 1    |
| 4    | 7-244-18 | VALVE BODY                    | 1    |
| 5    | 7-244-19 | END CAP                       | 2    |
| 6    | 7-244-44 | BRACKET ASSEMBLY              | 1    |
| 7    | 7-244-24 | TUBES & PIN / SPOOL ACTUATING | 1    |



| ITEM | NUMBER   | DESCRIPTION               | REQD |
|------|----------|---------------------------|------|
| 1    | 7-367-05 | COIL / DIN                | 1    |
| 2    | 7-367-06 | CARTRIDGE ASSEMBLY w/ NUT | 1    |
| 3    | 7-367-07 | BODY                      | 1    |
| 4    | 7-367-17 | SEAL KIT / CARTRIDGE      | REF  |

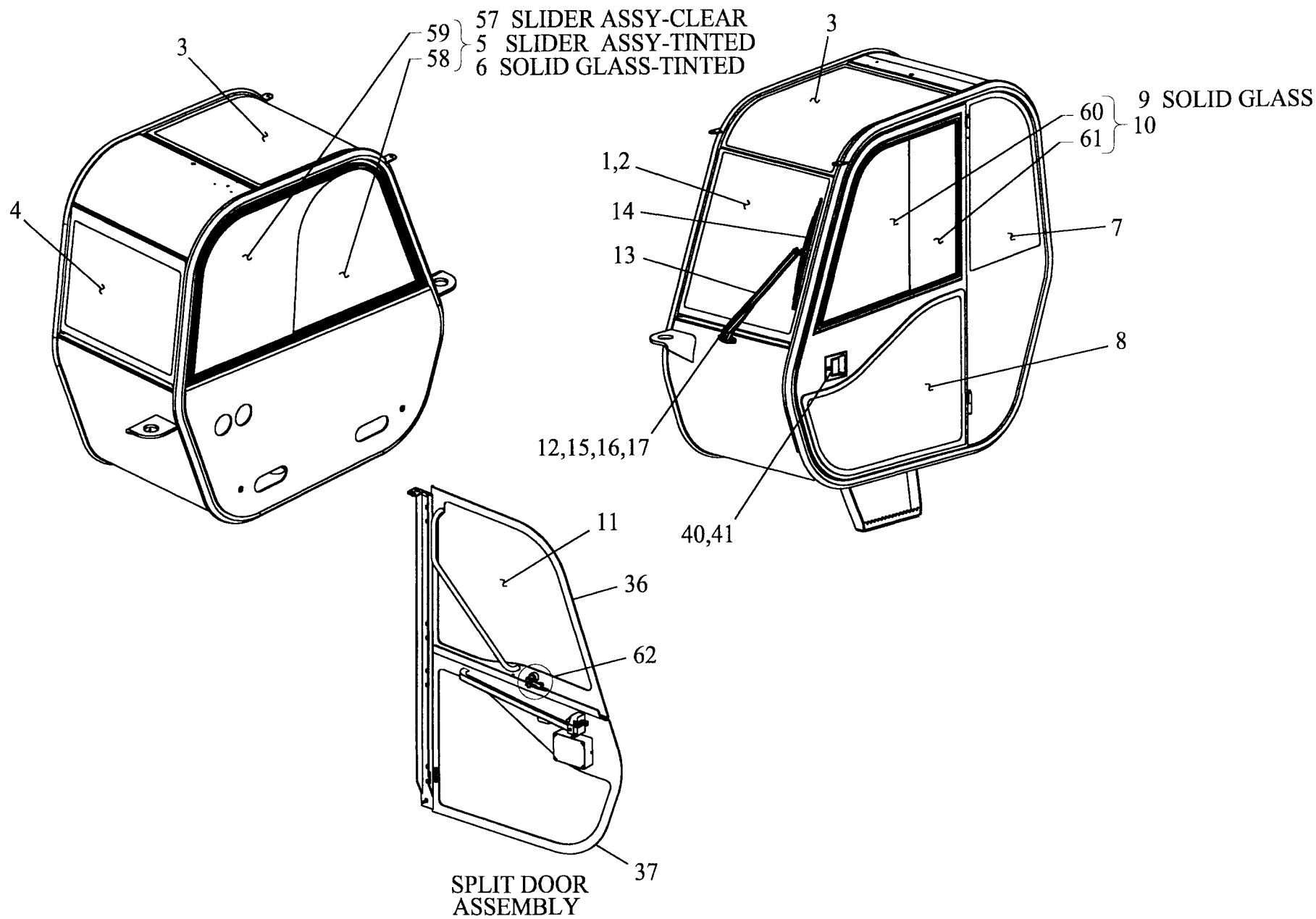


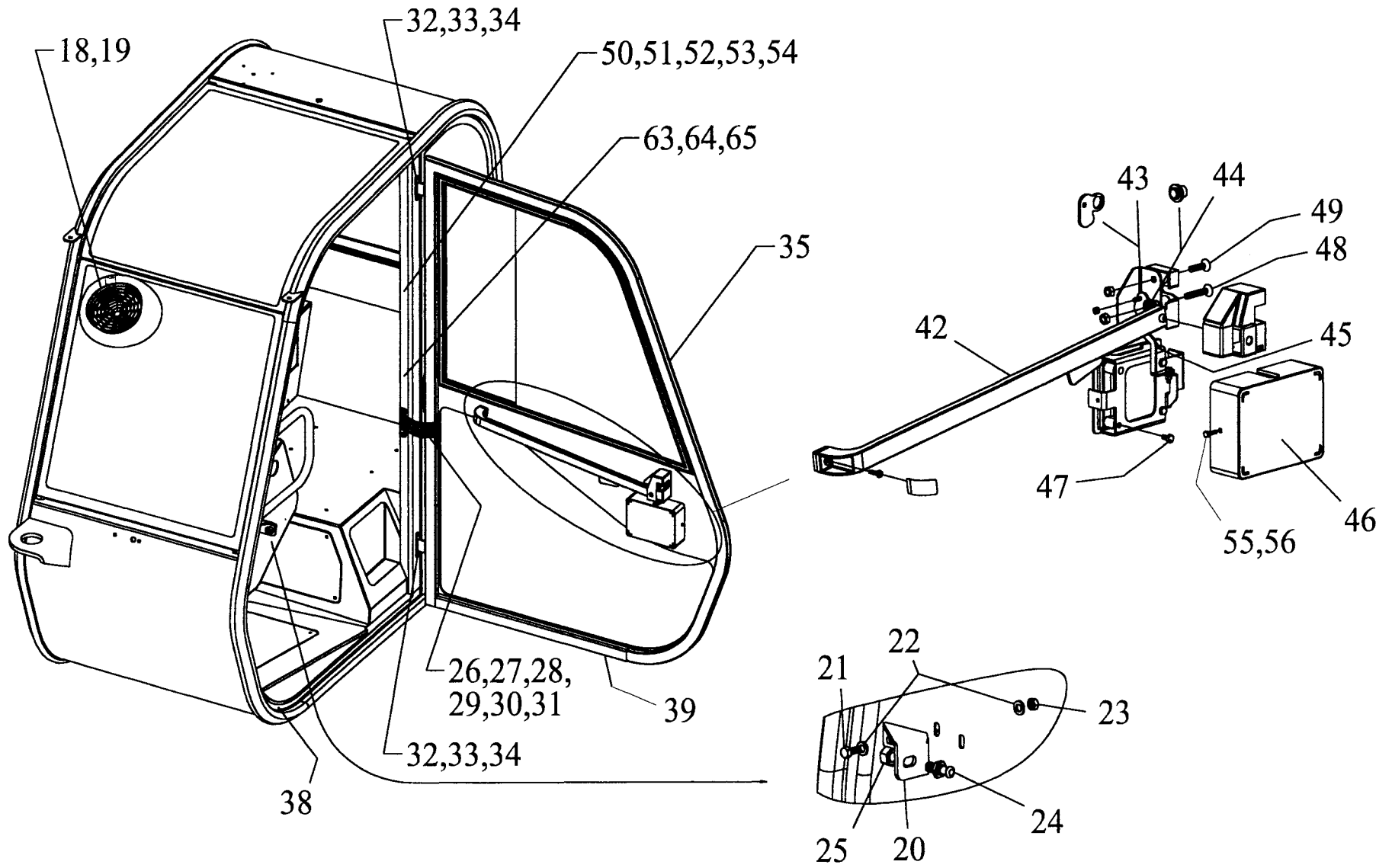
| ITEM | NUMBER   | DESCRIPTION               | REQD |
|------|----------|---------------------------|------|
| 1    | 7-367-05 | COIL / DIN                | 1    |
| 2    | 7-367-14 | CARTRIDGE ASSEMBLY w/ NUT | 1    |
| 3    | 7-367-04 | BODY                      | 1    |
| 4    | 7-367-18 | SEAL KIT / CARTRIDGE      | REF  |



| ITEM | NUMBER   | DESCRIPTION               | REQD |
|------|----------|---------------------------|------|
| 1    | 7-367-05 | COIL / DIN                | 1    |
| 2    | 7-367-03 | CARTRIDGE ASSEMBLY w/ NUT | 1    |
| 3    | 7-367-04 | BODY                      | 1    |
| 4    | 7-367-18 | SEAL KIT / CARTRIDGE      | REF  |

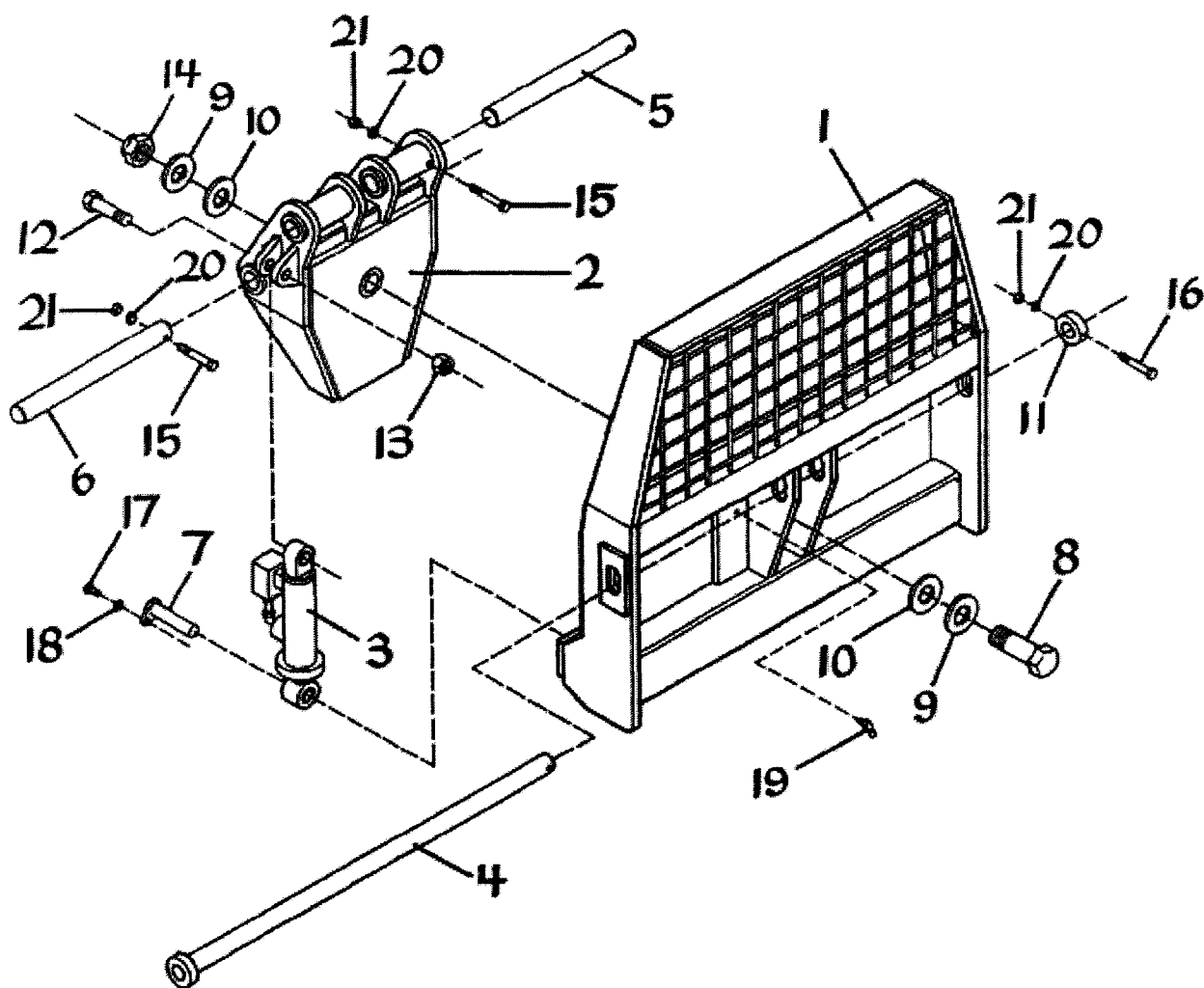
## OPTIONAL EQUIPMENT SECTION





| ITEM | NUMBER    | DESCRIPTION                             | REQD |
|------|-----------|-----------------------------------------|------|
| 1    | 7-132-29  | GLASS / WINDSHIELD-TINTED               | 1    |
| 2    | 7-132-30  | GLASS / WINDSHIELD-CLEAR                | 1    |
| 3    | 7-132-31  | GLASS / SKYLIGHT-TINTED                 | 1    |
| 4    | 7-132-32  | GLASS / REAR WINDOW-TINTED              | 1    |
| 5    | 7-132-33  | GLASS / RH SLIDER ASSY-TINTED           | 1    |
| 6    | 7-132-34  | GLASS / RIGHT-SOLID-TINTED              | 1    |
| 7    | 7-132-35  | GLASS / LH REAR-TINTED                  | 1    |
| 8    | 7-132-36  | GLASS / LOWER DOOR-TINTED               | 1    |
| 9    | 7-132-37  | GLASS / 1-PIECE DOOR-UPPER SOLID-TINTED | 1    |
| 10   | 7-132-38  | GLASS / 1-PIECE DOOR-SLIDER ASSY-TINTED | 1    |
| 11   | 7-132-39  | GLASS / UPPER SPLIT DOOR-SOLID-TINTED   | 1    |
| 12   | 7-293-23  | WIPER MOTOR                             | 1    |
| 13   | 7-293-24  | PANTOGRAPH WIPER ARM / 18 IN.           | 1    |
| 14   | 7-293-25  | WIPER BLADE / 20 IN.                    | 1    |
| 15   | 7-293-26  | PANTOGRAPH ADAPTER KIT                  | 1    |
| 16   | 6-5304-06 | CAPSCREW 1/4 NF x 3/4 LG.               | 2    |
| 17   | 6-6211-04 | LOCKWASHER 1/4                          | 2    |
| 18   | 7-347-02  | DEFROSTER FAN                           | 1    |
| 19   | 6-6284-05 | MACHINE SCREW 10-24 x 3/4 LG.           | 4    |
| 20   | 7-132-40  | STRIKER BRACKET                         | 1    |
| 21   | 6-5205-08 | CAPSCREW 5/16 NC x 1 LG.                | 2    |
| 22   | 6-6212-05 | FLATWASHER 5/16                         | 4    |
| 23   | 6-6205-05 | SELF LOCKING NUT 5/16 NC                | 2    |
| 24   | 7-132-41  | DOOR STRIKER                            | 1    |
| 25   | 7-132-57  | NUT / DOOR STRIKER                      | 1    |
| 26   | 7-132-42  | DOOR STRAP                              | 1    |
| 27   | 7-132-43  | DOOR STRAP HOLDER                       | 2    |
| 28   | 6-5204-08 | CAPSCREW 1/4 NC x 1 LG.                 | 2    |
| 29   | 6-5204-06 | CAPSCREW 1/4 NC x 3/4 LG.               | 2    |
| 30   | 6-6212-04 | FLATWASHER 1/4                          | 4    |
| 31   | 6-6205-04 | SELF LOCKING NUT 1/4 NC                 | 2    |
| 32   | 7-132-44  | DOOR HINGE ASSEMBLY                     | 2    |
| 33   | 6-6212-05 | FLATWASHER 5/16                         | 4    |
| 34   | 6-6205-05 | SELF LOCKING NUT 5/16 NC                | 4    |
| 35   | 7-132-45  | CAB DOOR ASSEMBLY / 1 PIECE             | 1    |
| 36   | 7-132-27  | CAB DOOR ASSEMBLY / UPPER / 2 PIECE     | 1    |
| 37   | 7-132-28  | CAB DOOR ASSEMBLY / LOWER / 2 PIECE     | 1    |
| 38   | 7-132-46  | SEAL RUBBER DOOR FRAME                  | AR   |
| 39   | 7-132-47  | SEAL RUBBER-90°                         | AR   |
| 40   | 7-132-48  | DOOR LATCH-EXTERIOR                     | 1    |
| 41   | 7-132-49  | DOOR LATCH GASKET                       | 1    |
| 42   | 7-132-50  | INSIDE GRAB HANDLE                      | 1    |
| 43   | 7-132-51  | LATCH PIVOT                             | 1    |
| 44   | 7-132-52  | PIVOT ASSEMBLY                          | 1    |
| 45   | 7-132-53  | DOOR LINKAGE                            | 1    |
| 46   | 7-132-54  | LATCH COVER                             | 1    |
| 47   | 7-132-60  | BOLT M6 x 1.0 x 12 mm                   | 4    |
| 48   | 7-132-58  | BOLT M8 x 1.25 x 55 mm                  | 1    |
| 49   | 7-132-59  | BOLT M8 x 1.25 x 40 mm                  | 1    |
| 50   | 7-132-55  | DOOR POST / BOLT-ON                     | 1    |
| 51   | 6-5205-08 | CAPSCREW 5/16 NC x 1 LG.                | 1    |
| 52   | 6-5205-04 | CAPSCREW 5/16 NC x 1/2 LG.              | 2    |
| 53   | 6-6212-05 | FLATWASHER 5/16                         | 3    |

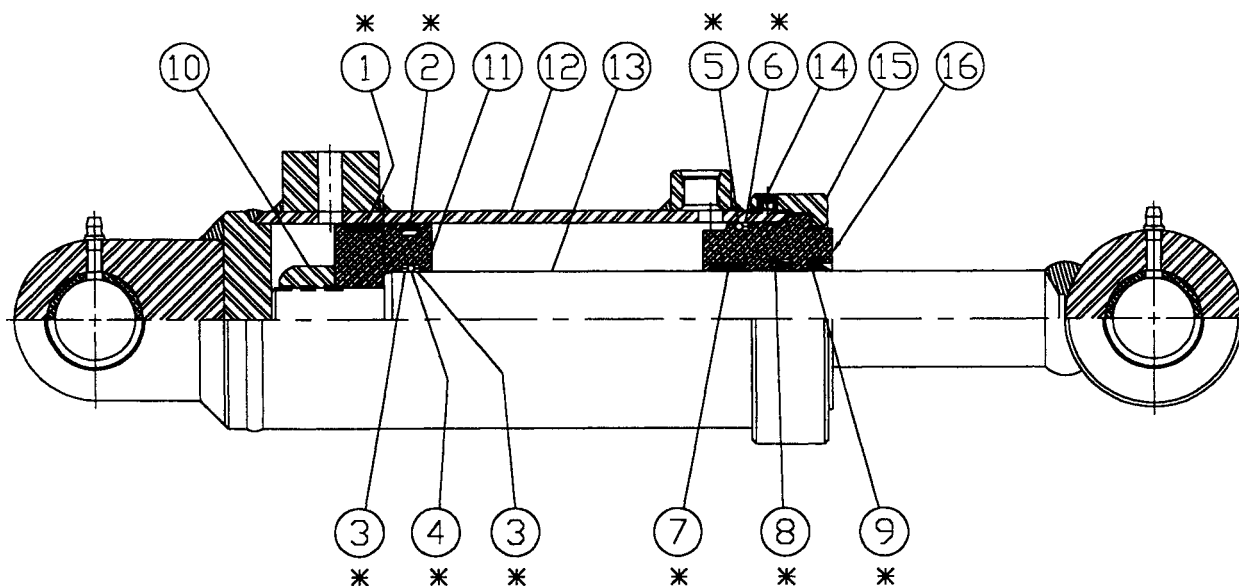
| ITEM | NUMBER     | DESCRIPTION                                  | REQD |
|------|------------|----------------------------------------------|------|
| 54   | 7-132-63   | SPACER / DOOR POST                           | 4    |
| 55   | 7-132-61   | BOLT                                         | 2    |
| 56   | 7-132-62   | WASHER                                       | 2    |
| 57   | 7-132-23   | GLASS / RH SLIDER ASSY-CLEAR                 | 1    |
| 58   | 7-132-64   | GLASS / FRONT SLIDER (INCL. w/ ITEM 5)       | 1    |
| 59   | 7-132-65   | GLASS / REAR FIXED (INCL. w/ ITEM 5)         | 1    |
| 60   | 7-132-66   | GLASS / DOOR-FRONT SLIDER (INCL. w/ ITEM 10) | 1    |
| 61   | 7-132-67   | GLASS / DOOR-REAR FIXED (INCL. w/ ITEM 10)   | 1    |
| 62   | 7-132-68   | UPPER DOOR LATCH ASSEMBLY                    | 1    |
| 63   | 6-9601-136 | EDGING 1/4 x 17 LG.                          | 1    |
| 64   | 6-9601-392 | EDGING 1/4 x 49 LG.                          | 1    |
| 65   | 6-9601-278 | EDGING 1/4 x 34 3/4 LG                       | 1    |



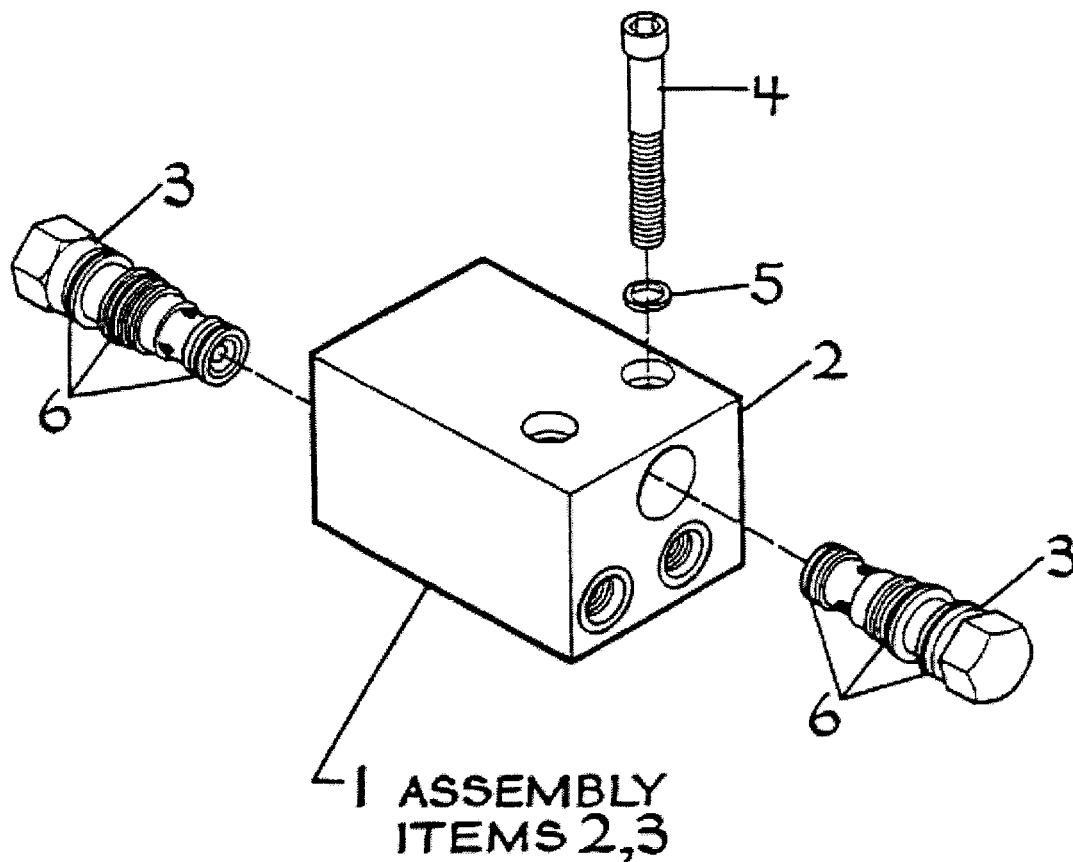
| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | SEE TABLE  | ROTATING FORK FRAME             | REF  |
| 2    | 4-1528     | PIVOT FRAME / TH842C            | 1    |
| 3    | 7-379-01   | CYLINDER / ROTATE               | 1    |
| 4    | SEE TABLE  | PIN / FORK TINE                 | REF  |
| 5    | 6-3016-01  | PIN / HEAD END TILT CYLINDER    | 1    |
| 6    | 6-3316-168 | PIN / PIVOT SMALL BOOM          | REF  |
| 7    | 2-1066     | PIN / HEAD END ROTATE CYLINDER  | 1    |
| 8    | 1-1072     | BOLT / FORK FRAME ROTATE        | 1    |
| 9    | 1-1073     | WASHER / STEEL                  | 2    |
| 10   | 6-6600-06  | WASHER / BRONZE                 | 2    |
| 11   | 1-1074     | COLLAR / FORK PIN               | REF  |
| 12   | 1-1071     | BOLT / BASE END ROTATE CYLINDER | 1    |
| 13   | 6-6206-20  | NUT / BASE END ROTATE CYLINDER  | 1    |
| 14   | 7-280-02   | NUT / FORK FRAME ROTATE         | 1    |
| 15   | 6-5208-30  | CAPSCREW 1/2 NC x 3 3/4 LG.     | REF  |
| 16   | 6-5208-36  | CAPSCREW 1/2 NC x 4 1/2 LG.     | REF  |
| 17   | 6-5206-08  | CAPSCREW 3/8 NC x 1 LG.         | 1    |
| 18   | 6-6211-06  | LOCKWASHER 3/8                  | 1    |
| 19   | 6-6301     | LUBE FITTING 1/8 NPT STR.       | 3    |
| 20   | 6-6211-08  | LOCKWASHER 1/2                  | REF  |
| 21   | 6-6201-08  | HEX NUT 1/2 NC                  | REF  |
| 22   | 4-1118-16  | ROTATE STOP (NOT SHOWN)         | 1    |

TABLE

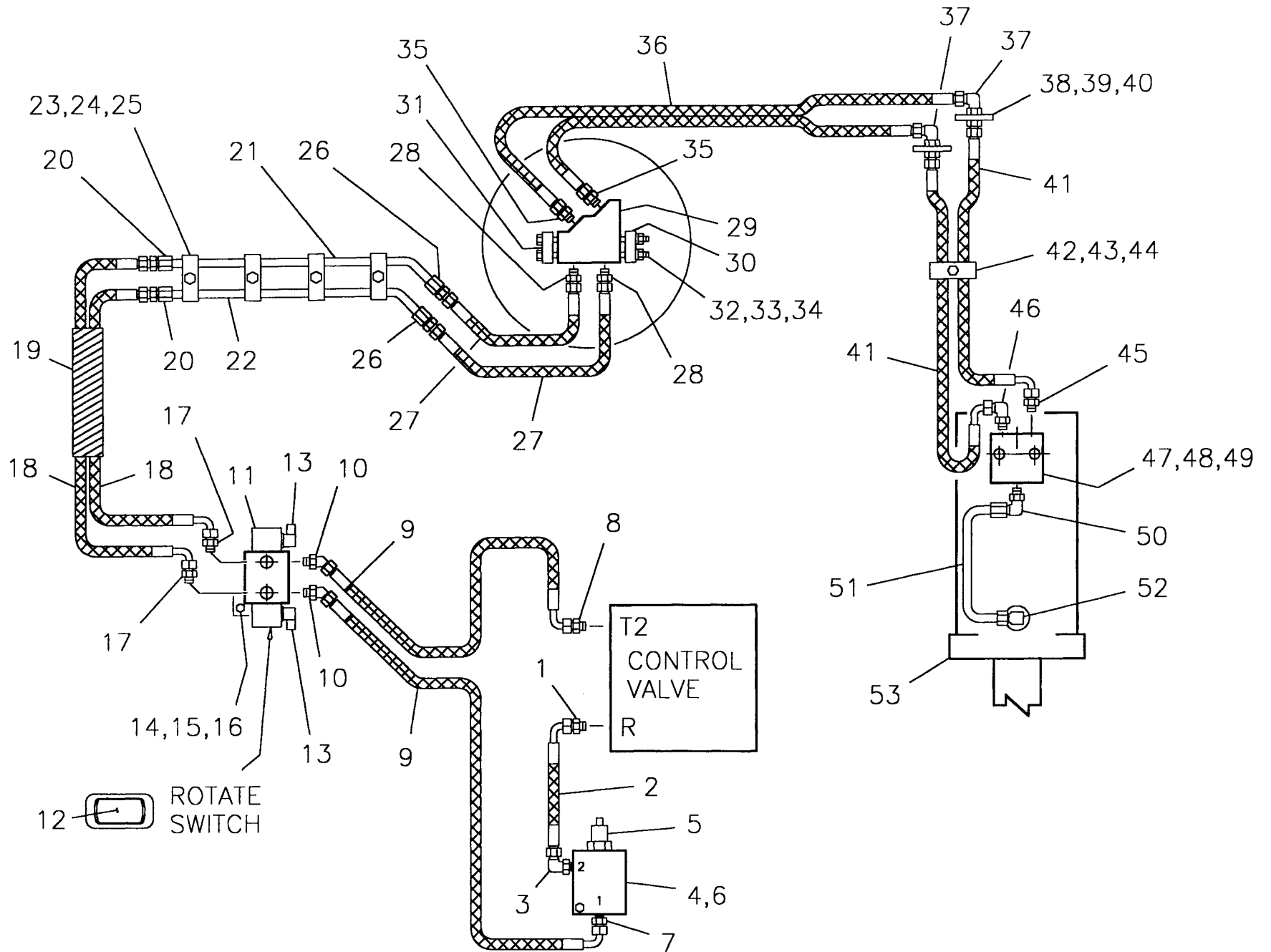
| FORK<br>FRAME<br>WIDTH | ROTATING<br>FORK FRAME<br>PART NUMBER | FORK<br>TINE PIN<br>PART NUMBER |
|------------------------|---------------------------------------|---------------------------------|
| 48" WIDE               | 4-1118                                | 2-1067-10                       |
| 60" WIDE               | 4-1292                                | 2-1067-12                       |
| 72" WIDE               | 4-1170                                | 2-1067-11                       |



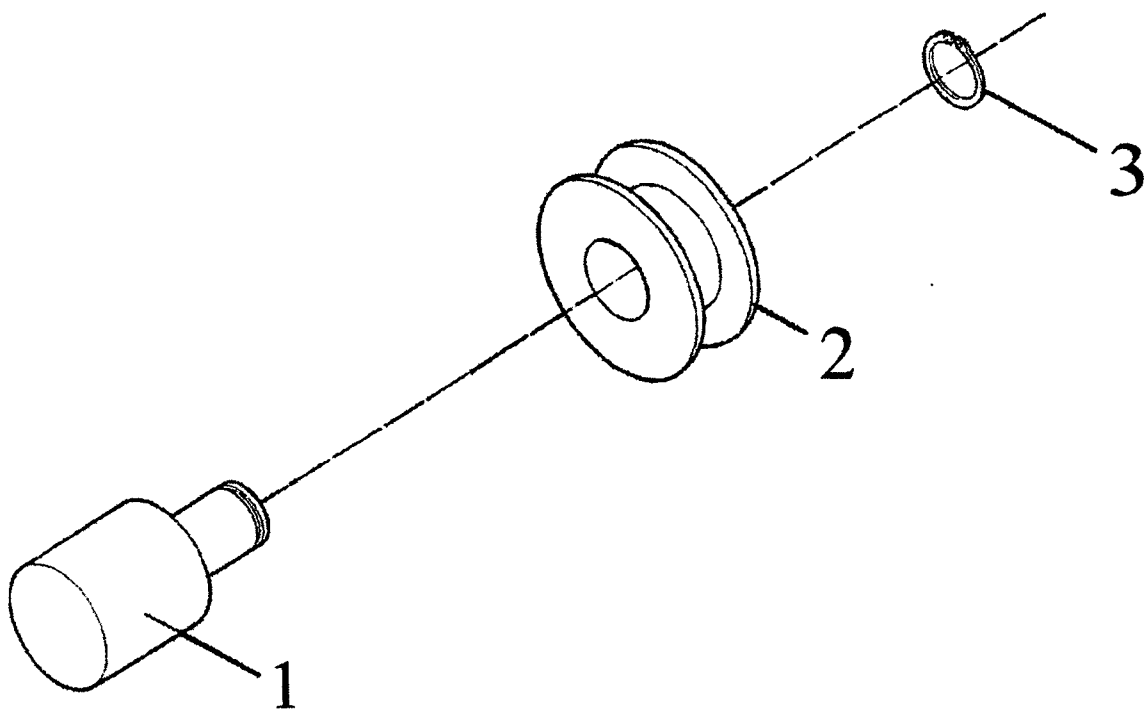
| ITEM | NUMBER   | DESCRIPTION             | REQD |     |
|------|----------|-------------------------|------|-----|
| 1    | 7-379-36 | WEAR RING               | (*)  | 1   |
| 2    | 7-379-37 | PSP SEAL                | (*)  | 1   |
| 3    | 7-379-22 | BACK-UP RING            | (*)  | 2   |
| 4    | 7-379-23 | O-RING                  | (*)  | 1   |
| 5    | 7-379-38 | O-RING                  | (*)  | 1   |
| 6    | 7-379-39 | BACK-UP RING            | (*)  | 1   |
| 7    | 7-379-26 | WEAR RING               | (*)  | 1   |
| 8    | 7-379-45 | LOADED U-CUP            | (*)  | 1   |
| 9    | 7-379-28 | ROD WIPER               | (*)  | 1   |
| 10   | 7-379-29 | LOCKNUT                 |      | 1   |
| 11   | 7-379-40 | PISTON                  |      | 1   |
| 12   | 7-379-41 | BARREL ASSEMBLY         |      | 1   |
| 13   | 7-379-42 | ROD ASSEMBLY            |      | 1   |
| 14   | 7-379-33 | CUP PT SET SCREW        |      | 1   |
| 15   | 7-379-43 | THREAD CAP              |      | 1   |
| 16   | 7-379-44 | THREAD CAP HEAD         |      | 1   |
| 17   |          |                         |      |     |
| 18   | 7-900-86 | SEAL KIT / ITEMS MARKED | (*)  | REF |



| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-234-35  | DUAL PILOT CHECK VALVE ASSEMBLY | 1    |
| 2    | 7-234-46  | BODY                            | 1    |
| 3    | 7-234-18  | CARTRIDGE / PILOT CHECK         | 2    |
| 4    | 6-5605-20 | CAPSCREW SH 5/16 NC x 2 1/2 LG. | 2    |
| 5    | 6-6214-05 | LOCKWASHER 5/16 HI-COLLAR       | 2    |
| 6    | 7-234-29  | SEAL KIT                        | 2    |

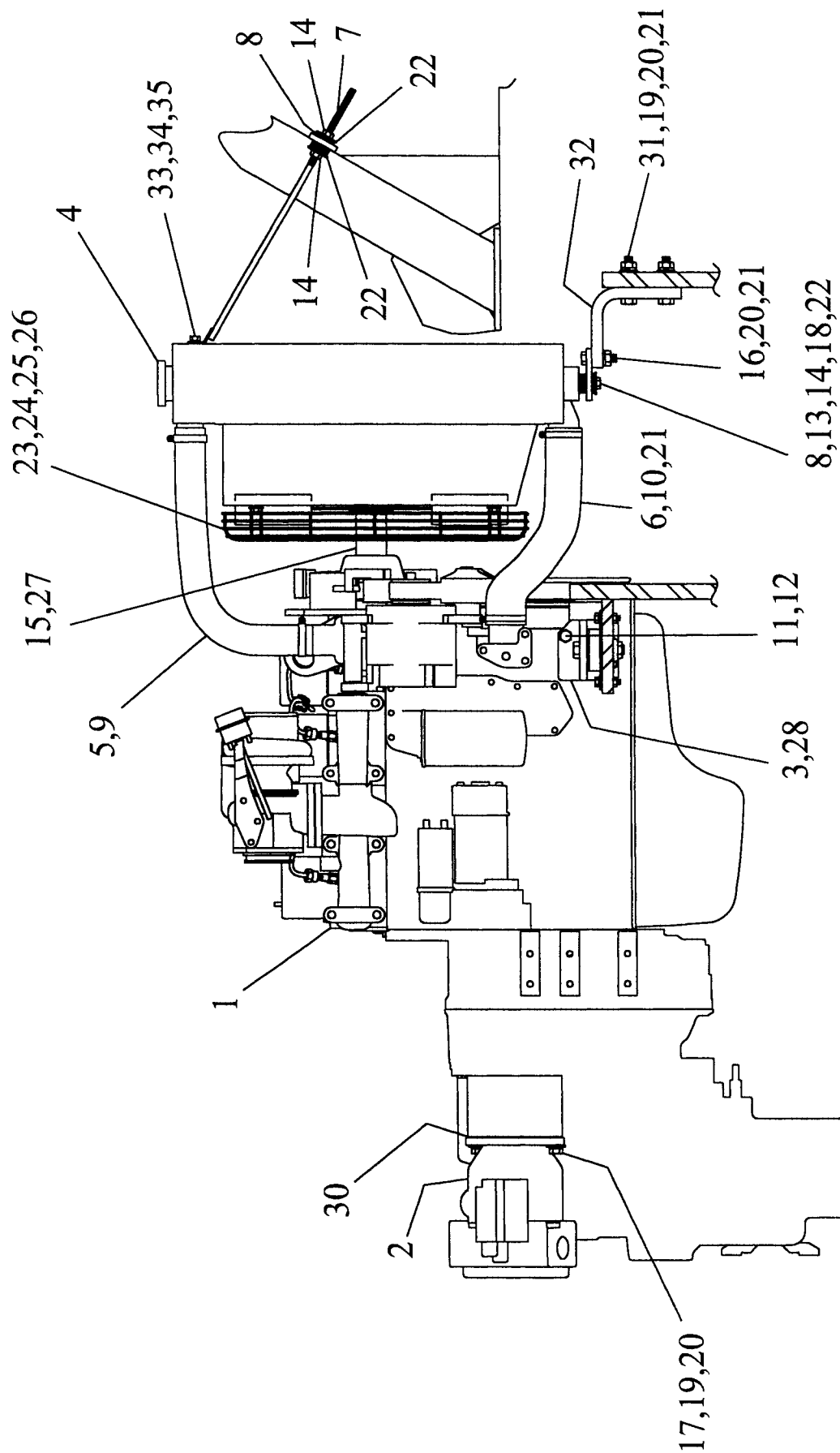


| ITEM | NUMBER     | DESCRIPTION                        | REQD |
|------|------------|------------------------------------|------|
| 1    | 6-6450-08  | FITTING / 06 OR x 06 JIC STR. (R)  | 1    |
| 2    | 6-7023-40  | HOSE / 06 x 06-90 x 20 LG.         | 1    |
| 3    | 6-6453-07  | FITTING / 08 OR x 06 JIC 90        | 1    |
| 4    | 7-234-84   | BODY / NEEDLE VALVE                | 1    |
| 5    | 7-234-17   | CARTRIDGE / NEEDLE VALVE           | 1    |
| 6    | 6-5205-30  | CAPSCREW 5/16 NC x 3 3/4 LG.       | 1    |
| 7    | 6-6450-09  | FITTING / 08 OR x 06 JIC STR.      | 1    |
| 8    | 6-6450-08  | FITTING / 06 OR x 06 JIC STR. (T2) | 1    |
| 9    | 6-7023-62  | HOSE / 06 x 06-90 x 31 LG.         | 2    |
| 10   | 6-6452-03  | FITTING / 06 OR x 06 JIC 45        | 2    |
| 11   | 7-244-31   | 4-WAY ELECTRIC VALVE               | 1    |
| 12   | 7-139-04   | SWITCH / AUXILLIARY                | 1    |
| 13   | 7-244-27   | DIN CONNECTOR                      | 2    |
| 14   | 6-5204-12  | CAPSCREW 1/4 NC x 1 1/2 LG.        | 2    |
| 15   | 6-6211-04  | LOCKWASHER 1/4                     | 2    |
| 16   | 6-6201-04  | HEX NUT 1/4 NC                     | 2    |
| 17   | 6-6450-08  | FITTING / 06 OR x 06 JIC STR.      | 2    |
| 18   | 6-7043-184 | HOSE / 08 x 06-90 x 92 LG.         | 2    |
| 19   | 6-9615-560 | HOSE ARMOR 1.00 ID x 70 LG.        | 1    |
| 20   | 6-6490-03  | FITTING / 08 JIC x 08 TUBE STR.    | 2    |
| 21   | 3-1064-5   | FORMED TUBE 1/2 OD                 | 1    |
| 22   | 3-1064-6   | FORMED TUBE 1/2 OD                 | 1    |
| 23   | 7-273-21   | CLAMP HALF SET / 1/2 TWIN TUBE     | 4    |
| 24   | 7-273-23   | TOP PLATE / 1/2 TWIN TUBE CLAMP    | 4    |
| 25   | 6-5205-10  | CAPSCREW 5/16 NC x 1 1/4 LG.       | 4    |
| 26   | 6-6490-03  | FITTING / 08 JIC x 08 TUBE STR.    | 2    |
| 27   | 6-7013-22  | HOSE / 06 x 08 x 11 LG.            | 2    |
| 28   | 6-6450-08  | FITTING / 06 OR x 06 JIC STR.      | 2    |
| 29   | 7-292-01   | HOSE REEL ASSEMBLY                 | 1    |
| 30   | 1-2020     | MOUNT / HOSE REEL                  | REF  |
| 31   | 1-2020     | MOUNT / HOSE REEL                  | REF  |
| 32   | 6-5208-36  | CAPSCREW 1/2 NC x 4 1/2 LG.        | 2    |
| 33   | 6-6211-08  | LOCKWASHER 1/2                     | 2    |
| 34   | 6-6201-08  | HEX NUT 1/2 NC                     | 2    |
| 35   | 6-6450-08  | FITTING / 06 OR x 06 JIC STR.      | 2    |
| 36   | 7-292-03   | BONDED HOSE                        | 1    |
| 37   | 6-6477-05  | FITTING / 06 JIC BH-UNION 90       | 2    |
| 38   | 3-1222-1   | BULKHEAD MOUNTING PLATE            | 1    |
| 39   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.          | 2    |
| 40   | 6-6211-06  | LOCKWASHER 3/8                     | REF  |
| 41   | 6-7023-128 | HOSE / 06 x 06-90 x 64 LG.         | 2    |
| 42   | 7-273-27   | CLAMP HALF SET / 3/8 TWIN HOSE     | 1    |
| 43   | 7-273-23   | TOP PLATE / 3/8 HOSE CLAMP         | 1    |
| 44   | 6-5205-14  | CAPSCREW 5/16 NC x 1 3/4 LG.       | 1    |
| 45   | 6-6450-08  | FITTING / 06 OR x 06 JIC STR.      | 1    |
| 46   | 6-6453-06  | FITTING / 06 OR x 06 JIC 90        | 1    |
| 47   | 7-234-35   | DUAL CHECK VALVE                   | 1    |
| 48   | 6-5605-20  | CAPSCREW / SH 5/16 NC x 2 1/2 LG.  | 2    |
| 49   | 6-6214-05  | LOCKWASHER 5/16 HI-COLLAR          | 2    |
| 50   | 6-6493-02  | FITTING / 06 OR x 06 TUBE 90       | 1    |
| 51   | 1-1065     | FORMED TUBE / 3/8 x 6 1/8 LG.      | 1    |
| 52   | 6-6493-02  | FITTING / 06 OR x 06 TUBE 90       | 1    |
| 53   | 7-379-01   | CYLINDER / ROTATE                  | REF  |

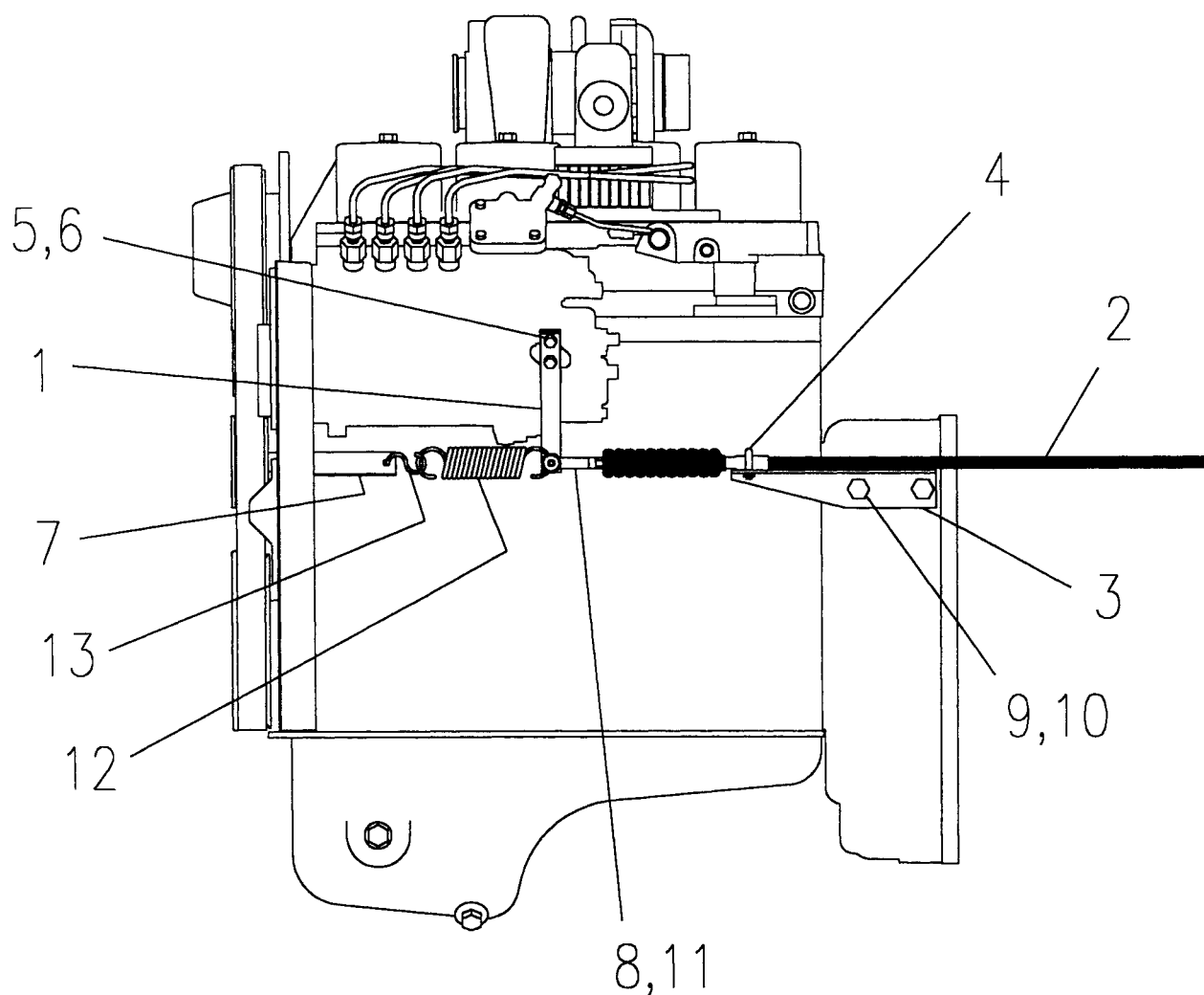


| ITEM | NUMBER   | DESCRIPTION       | REQD |
|------|----------|-------------------|------|
| 1    | 3-1222-2 | PIN / HOSE ROLLER | 1    |
| 2    | 2-1065P  | SHEAVE            | 1    |
| 3    | 7-239-04 | RETAINING RING    | 1    |

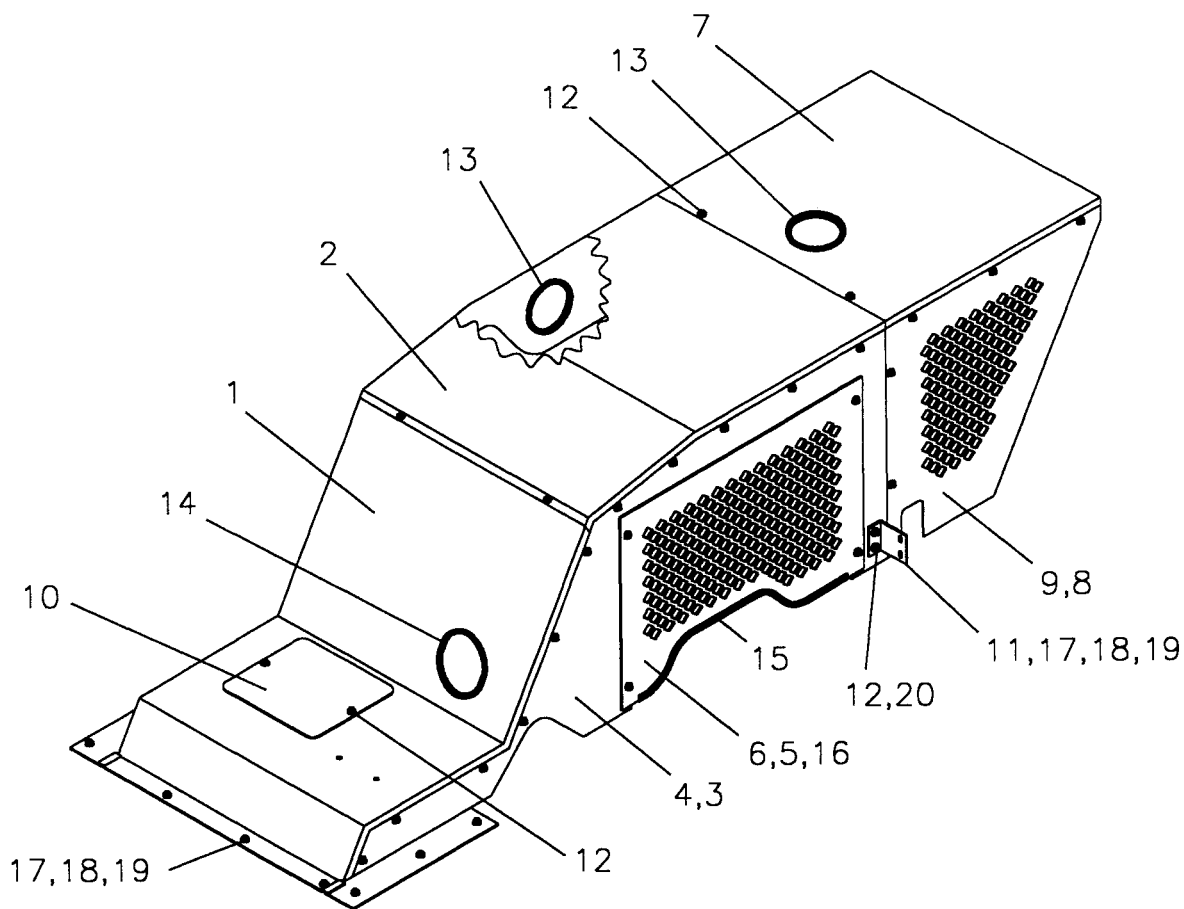
## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



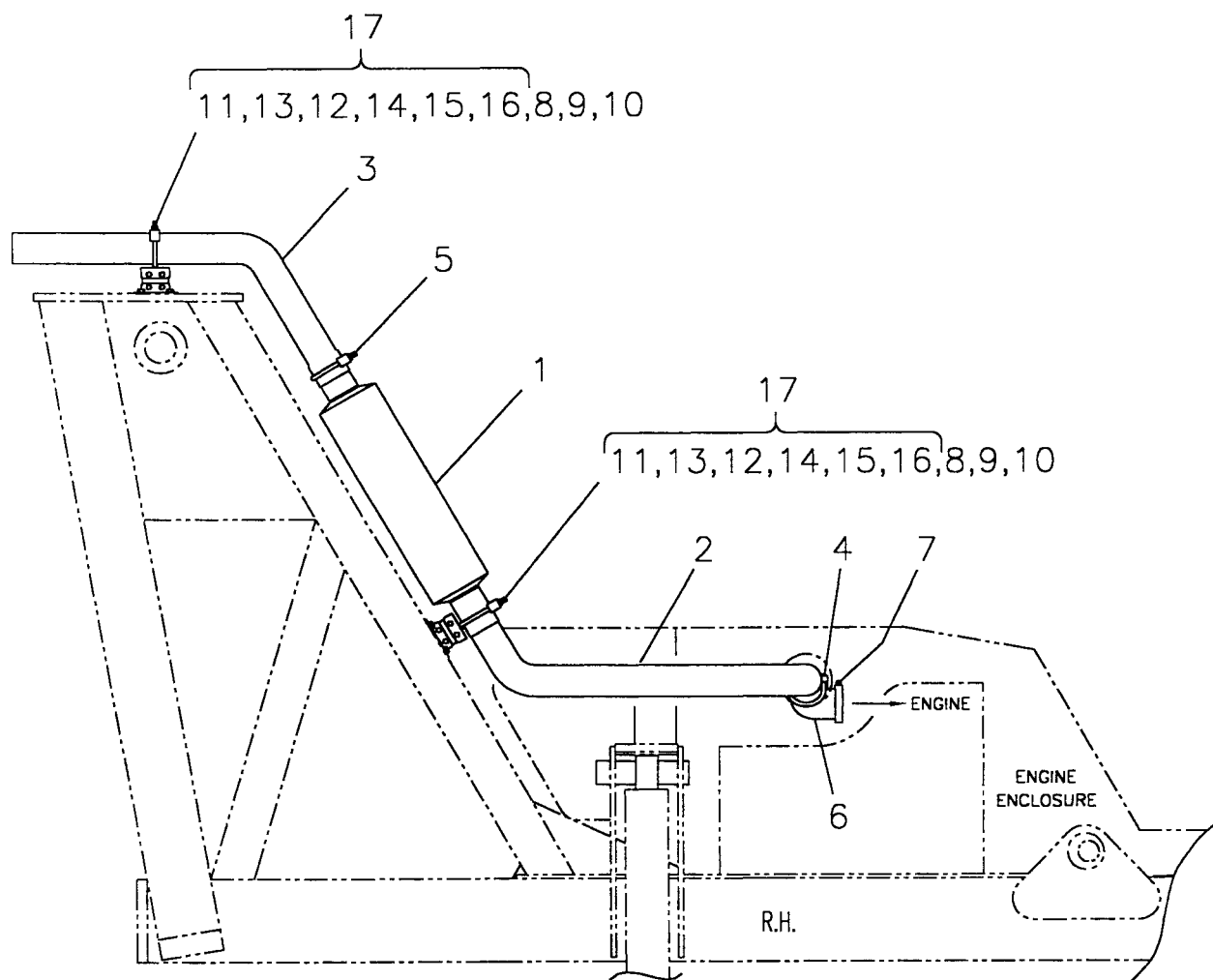
| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 7-343-13  | ENGINE ASSY / CUMMINS B3.9-C-100  | 1    |
| 2    | 7-345-113 | PUMP / PISTON TYPE / 60cc         | 1    |
| 3    | 3-1430-1  | MOUNT / ENGINE / RH               | 1    |
| 4    | 7-362-01  | RADIATOR                          | 1    |
| 5    | 7-158-81  | RADIATOR HOSE / UPPER             | 1    |
| 6    | 7-158-76  | RADIATOR HOSE / LOWER             | 1    |
| 7    | 3-1367    | ADJUSTING ROD / UPPER RADIATOR MT | 1    |
| 8    | 7-190-04  | RUBBER MOUNT / CENTER BONDED      | 3    |
| 9    | 6-6252-08 | CLAMP / RADIATOR HOSE / 2 1/4     | 2    |
| 10   | 6-6252-09 | CLAMP / RADIATOR HOSE / 2 1/2     | 1    |
| 11   | 6-8112-35 | CAPSCREW 12mm x 1.75 x 35mm LG.   | 6    |
| 12   | 6-9111-12 | LOCKWASHER 12mm                   | 6    |
| 13   | 6-5206-16 | CAPSCREW 3/8 NC x 2 LG.           | 2    |
| 14   | 6-6205-06 | SELF LOCKING NUT 3/8 NC           | 4    |
| 15   | 7-343-03  | FAN / SUCKER / 18 IN.             | REF  |
| 16   | 6-5208-16 | CAPSCREW 1/2 NC x 2 LG.           | 2    |
| 17   | 6-5208-20 | CAPSCREW 1/2 NC x 2 1/2 LG.       | 4    |
| 18   | 1-1208    | MOUNT / RADIATOR                  | 2    |
| 19   | 6-6212-08 | FLATWASHER 1/2                    | 8    |
| 20   | 6-6211-08 | LOCKWASHER 1/2                    | 10   |
| 21   | 6-6201-08 | HEX NUT 1/2 NC                    | 6    |
| 22   | 7-190-02  | WASHER / CENTER BONDED RUBBER MT. | 4    |
| 23   | 4-1685    | FAN GUARD / 18 IN. FAN            | 1    |
| 24   | 6-5205-08 | CAPSCREW 5/16 NC x 1 LG.          | 4    |
| 25   | 6-6211-05 | LOCKWASHER 5/16                   | 4    |
| 26   | 6-6212-06 | FLATWASHER 3/8                    | 4    |
| 27   | 7-343-02  | SPACER / FAN / 1 1/2 (2 REQ.)     | REF  |
| 28   | 3-1430-2  | MOUNT / ENGINE / LH               | 1    |
| 29   | 6-6252-10 | CLAMP / RADIATOR HOSE / 2 3/4     | 1    |
| 30   | 7-126-517 | GASKET / PUMP DRIVE               | 1    |
| 31   | 6-5208-20 | CAPSCREW 1/2 NC x 2 1/2 LG.       | 4    |
| 32   | 2-1236    | MOUNT / LOWER RADIATOR / BOLT-ON  | 2    |
| 33   | 6-5205-06 | CAPSCREW 5/16 NC x 3/4 LG.        | 1    |
| 34   | 6-6211-05 | LOCKWASHER 5/16                   | 1    |
| 35   | 6-6201-05 | HEX NUT 5/16 NC                   | 1    |



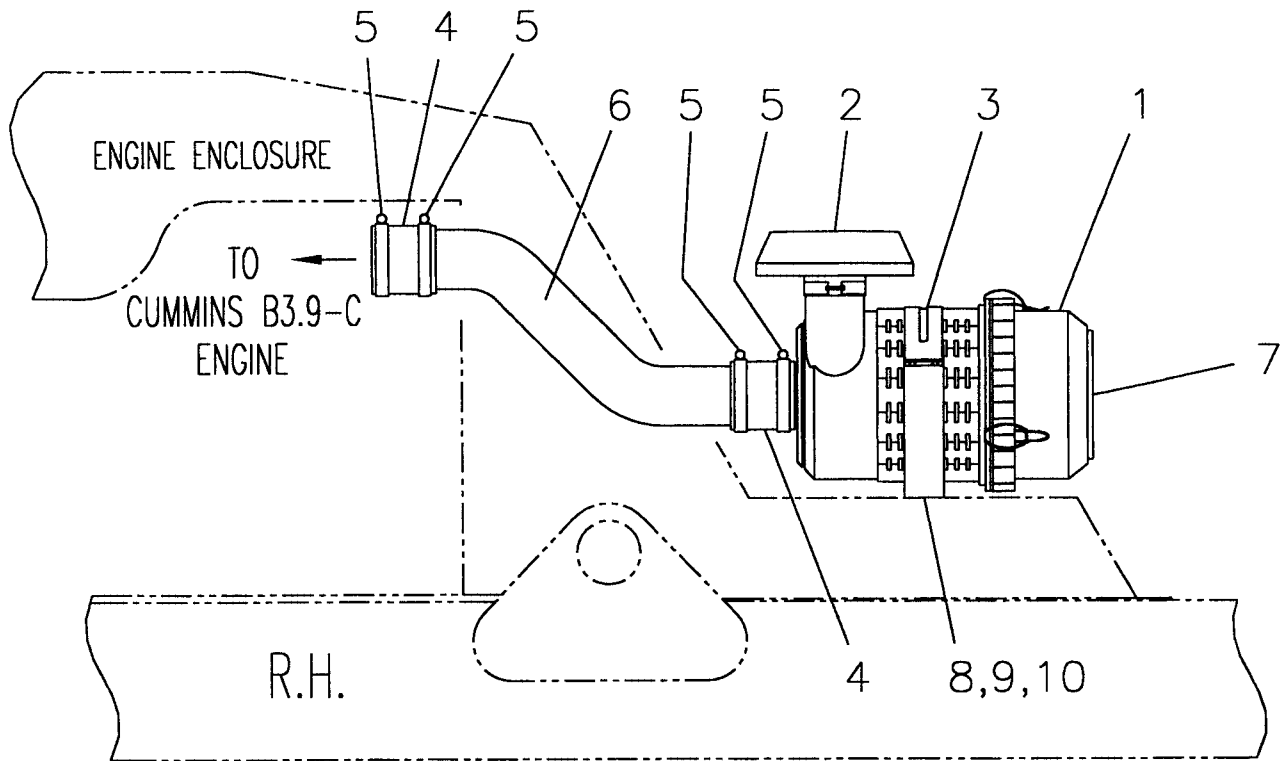
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 2-1181    | ACCELERATOR LEVER               | 1    |
| 2    | 7-266-02  | CABLE / ACCELERATOR             | REF  |
| 3    | 2-1182    | MOUNT / ACCELERATOR CABLE       | 1    |
| 4    | 7-194-07  | U-BOLT w/ NUTS                  | 1    |
| 5    | 6-8506-12 | CAPSCREW 6mm x 1.00 x 12mm LG.  | 2    |
| 6    | 6-9111-06 | LOCKWASHER 6mm                  | 2    |
| 7    | 1-1204    | MOUNT / ACCELERATOR SPRING      | 1    |
| 8    | 7-194-05  | YOKE w/ CLEVIS PIN & COTTER PIN | 1    |
| 9    | 6-8512-25 | CAPSCREW 12mm x 1.75 x 25mm LG. | 2    |
| 10   | 6-9111-12 | LOCKWASHER 12mm                 | 2    |
| 11   | 6-6208-04 | JAM NUT 1/4-28 (w/ CABLE)       | REF  |
| 12   | 7-194-20  | SPRING / RETURN                 | 1    |
| 13   | 7-194-18  | S-HOOK                          | 1    |



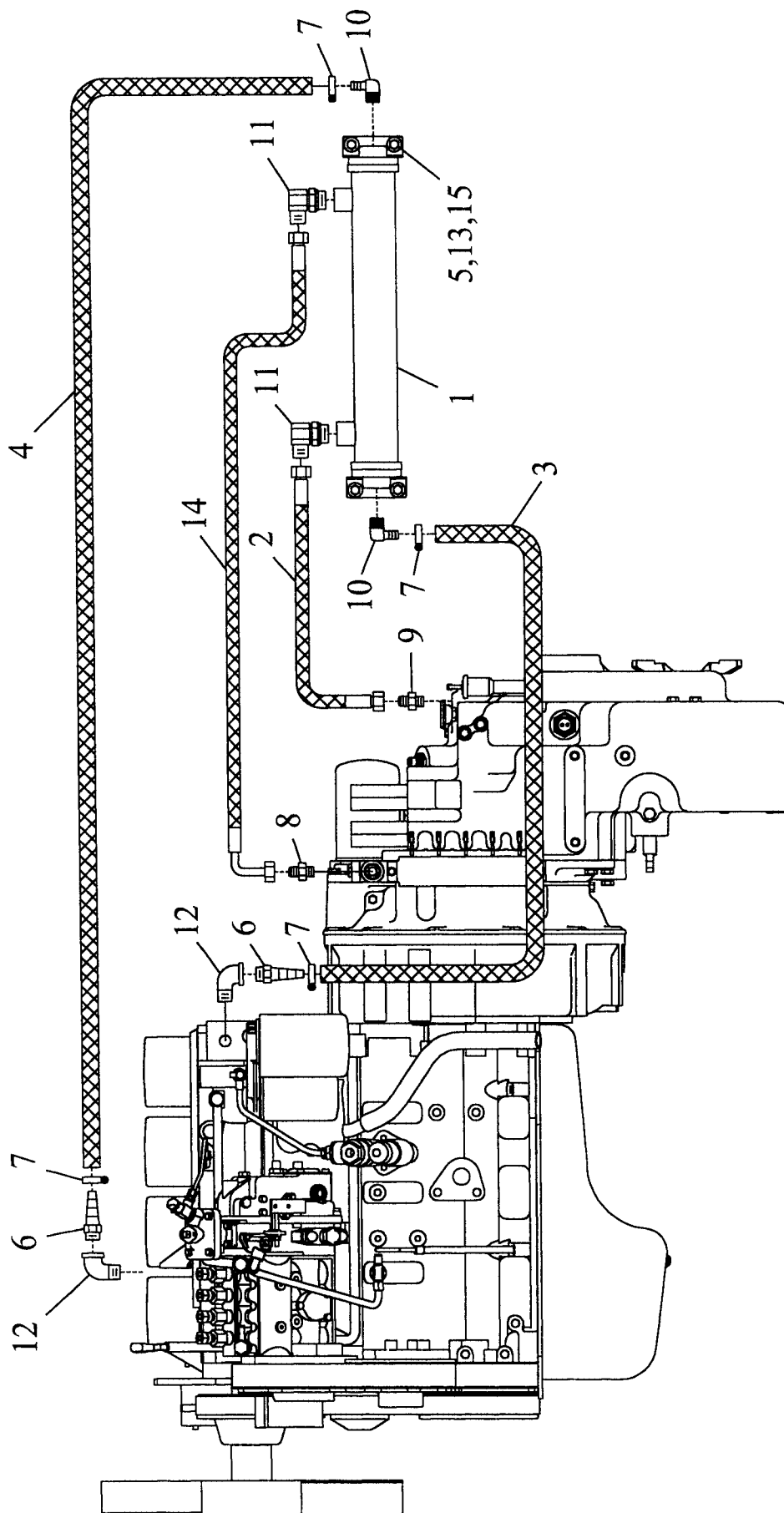
| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 4-2201-1   | TOP FRONT COVER / FRONT HOUSING  | 1    |
| 2    | 4-1742-2   | TOP REAR COVER / FRONT HOUSING   | 1    |
| 3    | 4-1759-3   | SIDE PLATE / RH / FRONT HOUSING  | 1    |
| 4    | 4-2071-4   | SIDE PLATE / LH / FRONT HOUSING  | 1    |
| 5    | 4-1759-5   | SIDE SCREEN / RH / FRONT HOUSING | 1    |
| 6    | 4-1742-6   | SIDE SCREEN / LH / FRONT HOUSING | 1    |
| 7    | 4-1742-7   | TOP COVER / REAR HOUSING         | 1    |
| 8    | 4-1742-8   | SIDE PLATE / RH / REAR HOUSING   | 1    |
| 9    | 4-1742-9   | SIDE PLATE / LH / REAR HOUSING   | 1    |
| 10   | 4-1717-7   | ACCESS COVER / FRONT HOUSING     | 1    |
| 11   | 4-1728-10  | SUPPORT BRACKET / FRONT HOUSING  | 2    |
| 12   | 7-290-01   | BODY BOLT 5/16 NC x 3/4 LG.      | 51   |
| 13   | 6-9601-134 | EDGING 1/4 x 16 3/4 LG.          | 2    |
| 14   | 6-9601-178 | EDGING 1/4 x 22 1/4 LG.          | 1    |
| 15   | 6-9601-232 | EDGING 1/4 x 29 LG.              | 2    |
| 16   | 6-9601-269 | EDGING 1/4 x 33 5/8 LG.          | 1    |
| 17   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.        | 13   |
| 18   | 6-6211-06  | LOCKWASHER 3/8                   | 13   |
| 19   | 6-6212-06  | FLATWASHER 3/8                   | 13   |
| 20   | 6-6212-05  | FLATWASHER 5/16                  | 4    |
| 20   | 4-2203     | ENGINE ENCLOSURE (ITEMS 1-11)    | REF  |



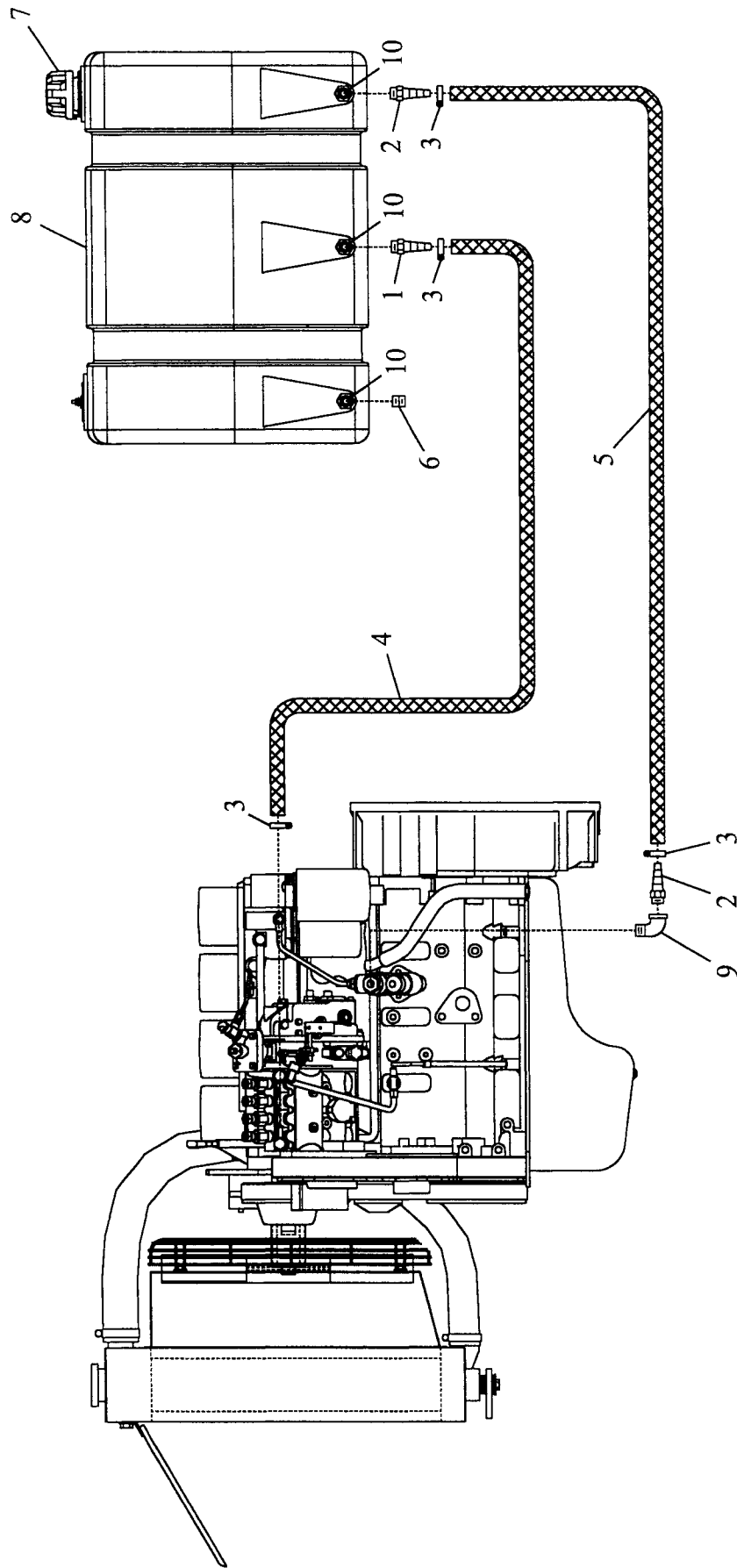
| ITEM | NUMBER    | DESCRIPTION                        | REQD |
|------|-----------|------------------------------------|------|
| 1    | 7-282-04  | MUFFLER                            | 1    |
| 2    | 4-1739    | EXHAUST PIPE                       | 1    |
| 3    | 3-1349    | TAILPIPE                           | 1    |
| 4    | 7-319-10  | MUFFLER CLAMP 3 IN.                | 1    |
| 5    | 7-319-14  | MUFFLER CLAMP 3 1/4 IN.            | 1    |
| 6    | 7-343-04  | EXHAUST ELBOW (with engine)        | REF  |
| 7    | 7-343-05  | V-CLAMP / EXH. ELBOW (with engine) | REF  |
| 8    | 6-5206-08 | CAPSCREW 3/8 NC x 1 LG.            | 4    |
| 9    | 6-6212-06 | FLATWASHER 3/8                     | 4    |
| 10   | 6-6211-06 | LOCKWASHER 3/8                     | 4    |
| 11   | 2-1168    | CLAMP BRACKET / EXHAUST / 3 IN.    | REF  |
| 12   | 1-1174    | BASE / EXHAUST BRACKET             | REF  |
| 13   | 1-1173    | FLEX JOINT / EXHAUST               | REF  |
| 14   | 6-6212-04 | FLATWASHER 1/4                     | REF  |
| 15   | 6-6205-04 | SELF LOCKING NUT 1/4 NC            | REF  |
| 16   | 6-5204-08 | CAPSCREW 1/4 NC x 1 LG.            | REF  |
| 17   | 3-1400    | EXHAUST BRACKET ASSY (ITEMS 11-16) | 2    |



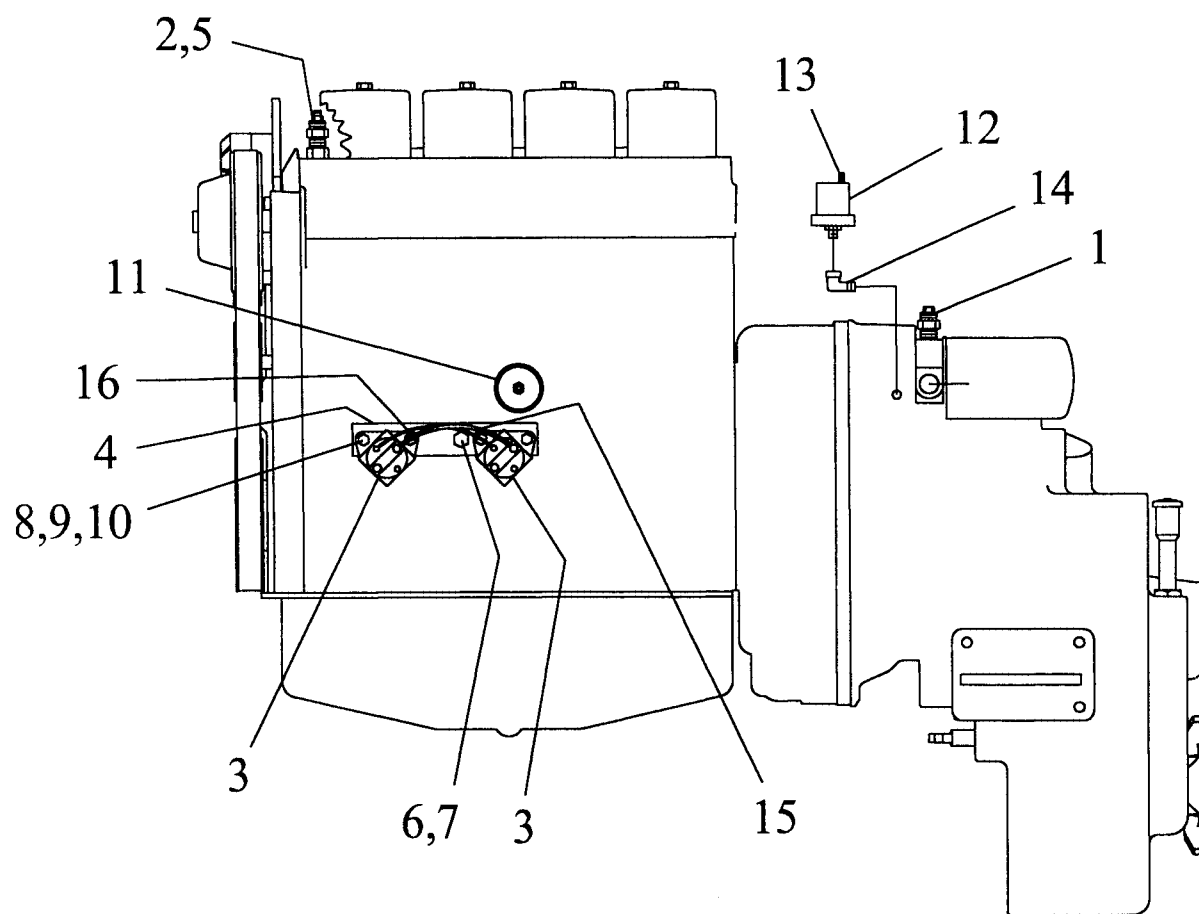
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-109-01  | AIR CLEANER ASSEMBLY           | 1    |
| 2    | 7-109-02  | HOOD                           | 1    |
| 3    | 7-109-03  | MOUNTING BAND                  | 1    |
| 4    | 6-9619-26 | RUBBER HOSE 3 I.D. x 3 1/4 LG. | 2    |
| 5    | 6-6252-13 | CLAMP / WORM / 3 IN.           | 4    |
| 6    | 3-1455    | AIR INLET PIPE                 | 1    |
| 7    | 7-109-04  | FILTER / PRIMARY               | REF  |
| 8    | 6-5205-10 | CAPSCREW 5/16 NC x 1 1/4 LG.   | 2    |
| 9    | 6-6212-05 | FLATWASHER 5/16                | 2    |
| 10   | 6-6205-05 | SELF LOCKING NUT 5/16 NC       | 2    |



| ITEM | NUMBER     | DESCRIPTION                          | REQD |
|------|------------|--------------------------------------|------|
| 1    | 7-236-08   | OIL COOLER                           | 1    |
| 2    | 6-7006-44  | HOSE / 12 x 12 x 22 LG.              | 1    |
| 3    | 6-9611-288 | HOSE-HEATER 3/4 x 36 LG.             | 1    |
| 4    | 6-9611-416 | HOSE-HEATER 3/4 x 52 LG.             | 1    |
| 5    | 6-6211-05  | LOCKWASHER 5/16                      | 4    |
| 6    | 6-6423-18  | HOSE END / 12-08 MALE PIPE           | 2    |
| 7    | 6-6252-04  | HOSE CLAMP / NO. 12                  | 4    |
| 8    | 6-6450-16  | FITTING / 10 OR x 10 JIC STR.        | 1    |
| 9    | 6-6450-20  | FITTING / 12 OR x 12 JIC STR.        | 1    |
| 10   | 6-6400-19  | FITTING / 3/4 NPT x 3/4 HOSE BARB 90 | 2    |
| 11   | 6-6453-15  | FITTING / 12 OR x 12 JIC 90          | 2    |
| 12   | 6-6437-04  | FITTING / 08 NPT ST ELB BLK-P        | 2    |
| 13   | 6-5205-06  | CAPSCREW 5/16 NC x 3/4 LG.           | 4    |
| 14   | 6-7045-56  | HOSE / 12 x 10-90 x 28 LG.           | 1    |
| 15   | 6-6212-05  | FLATWASHER 5/16                      | 4    |



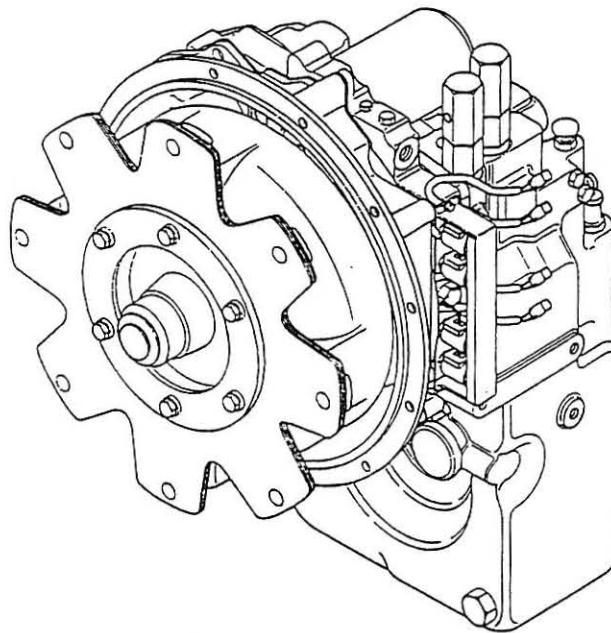
| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 7-121-01   | RUBBER BUSHING                   | 2    |
| 2    | 6-6423-08  | FITTING / 04 x 06 BR. HOSE END   | 1    |
| 3    | 6-6252-20  | HOSE CLAMP / NO. 2               | 4    |
| 4    | 6-9621-680 | HOSE-FUEL 5/16 x 85 LG.          | 1    |
| 5    | 6-9605-544 | HOSE-FUEL 3/8 x 68 LG.           | 1    |
| 6    | 7-121-02   | FITTING / 90 / 3/8 HOSE          | 1    |
| 7    | 7-272-09   | FILLER CAP / FUEL                | REF  |
| 8    | 7-373-01   | FUEL TANK                        | REF  |
| 9    | 6-6422-03  | FITTING / 04 NPT 90 BR. ST. ELB. | 1    |
| 10   | 7-121-03   | FITTING / 90 / 5/16 HOSE         | 1    |



| ITEM | NUMBER    | DESCRIPTION                        | REQD |
|------|-----------|------------------------------------|------|
| 1    | 7-172-17  | SENDER / TRANS. OIL TEMP.          | 1    |
| 2    | 7-172-09  | SENDER / ENGINE WATER TEMP.        | 1    |
| 3    | 7-319-21  | RELAY / STARTER                    | 2    |
| 4    | 2-1220    | MOUNT / STARTER RELAY              | 1    |
| 5    | 6-6406-04 | FITTING / NPT REDUCER 1/2 x 3/8    | 1    |
| 6    | 6-8508-25 | CAPSCREW 8mm x 1.25 x 25mm LG.     | 1    |
| 7    | 6-9111-08 | LOCKWASHER 8mm                     | 1    |
| 8    | 6-5204-04 | CAPSCREW 1/4 NC x 1/2 LG.          | 4    |
| 9    | 6-6211-04 | LOCKWASHER 1/4                     | 4    |
| 10   | 6-6212-04 | FLATWASHER 1/4                     | 4    |
| 11   | 7-172-05  | SENDER / ENGINE OIL PRESSURE       | 1    |
| 12   | 7-172-16  | SENDER / TRANS. OIL PRESSURE       | 1    |
| 13   | 6-6286-06 | HEX NUT #10-32                     | 1    |
| 14   | 6-6422-01 | FITTING / 02 NPT 90 BRASS ST. ELB. | 1    |
| 15   | 2-1221    | JUMPER WIRE ASSEMBLY / 8 RED       | 1    |
| 16   | 2-1222    | JUMPER WIRE ASSEMBLY / 12 BLACK    | 1    |

# TRANSMISSION PARTS BOOK

TH528C TH636C TH644C TH842C

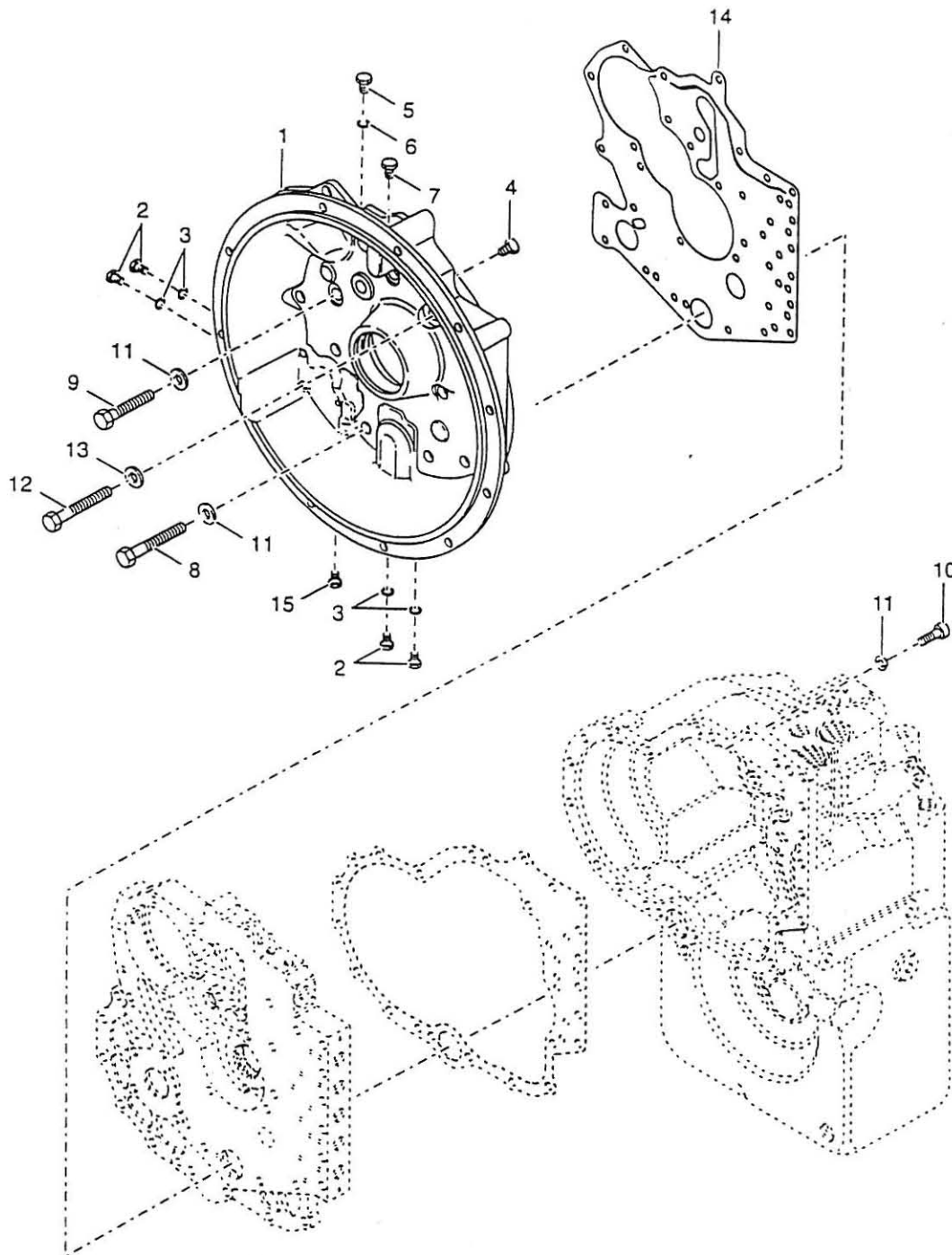


DATE: 3-30-01  
CLARK T12000 SERIES  
INTERMEDIATE DROP

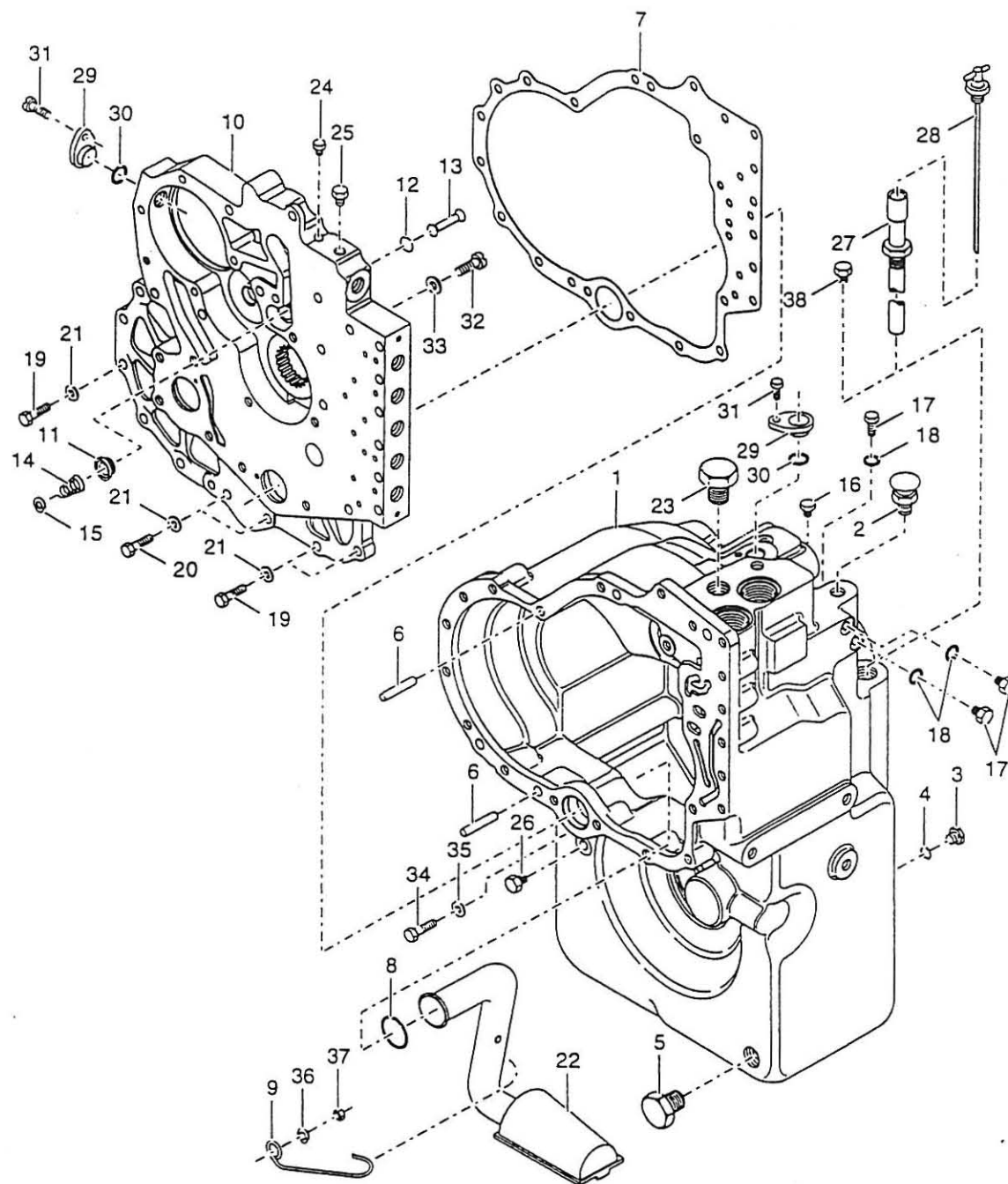
TEREX HANDLERS  
455 N. Superior Ave., Baraga, MI 49908-0248  
PH: (906) 353-6675; FAX: (906) 353-7543  
INTERNET: <http://www.sqshooter.com>

## INDEX

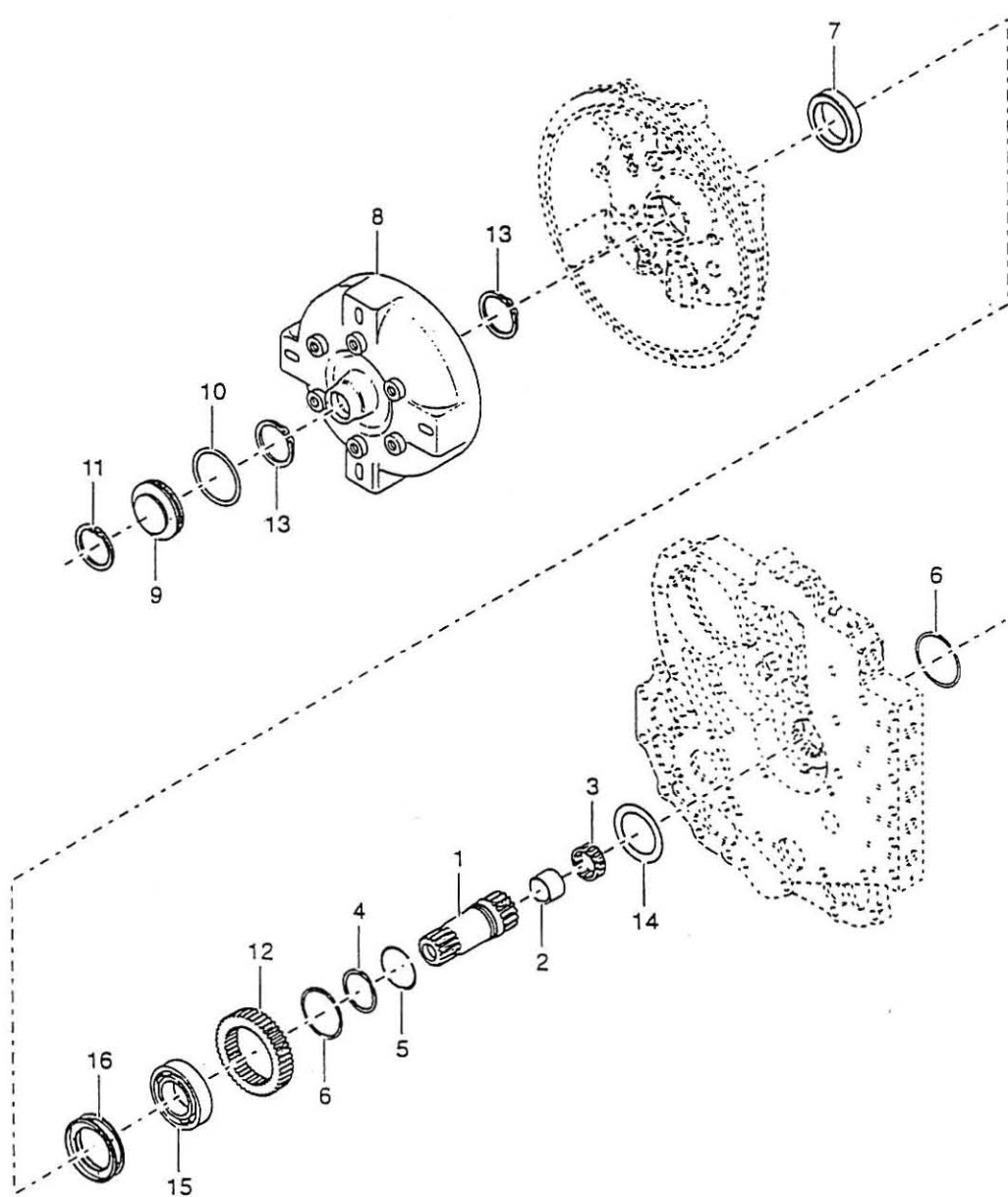
| PAGE | DESCRIPTION                             | DRAWING |
|------|-----------------------------------------|---------|
| 1    | CONVERTER HOUSING GROUP .....           | P1-1244 |
| 2    | TRANSMISSION CASE AND PLATE GROUP ..... | P1-1245 |
| 3    | TORQUE CONVERTER GROUP .....            | P1-1265 |
| 4    | GEAR GROUP .....                        | P1-1247 |
| 5    | PUMP DRIVE GROUP .....                  | P1-1248 |
| 6    | CHARGING PUMP GROUP .....               | P1-1266 |
| 7    | REVERSE IDLER GROUP .....               | P1-1250 |
| 8    | FORWARD AND REVERSE SHAFT GROUP .....   | P1-1251 |
| 9    | 3rd SHAFT GROUP .....                   | P1-1252 |
| 10   | FIRST AND SECOND SHAFT GROUP .....      | P1-1253 |
| 11   | OUTPUT SHAFT GROUP .....                | P1-1254 |
| 12   | ELECTRIC CONTROL GROUP .....            | P1-1255 |
| 13   | DRIVE PLATE GROUP .....                 | P1-1256 |



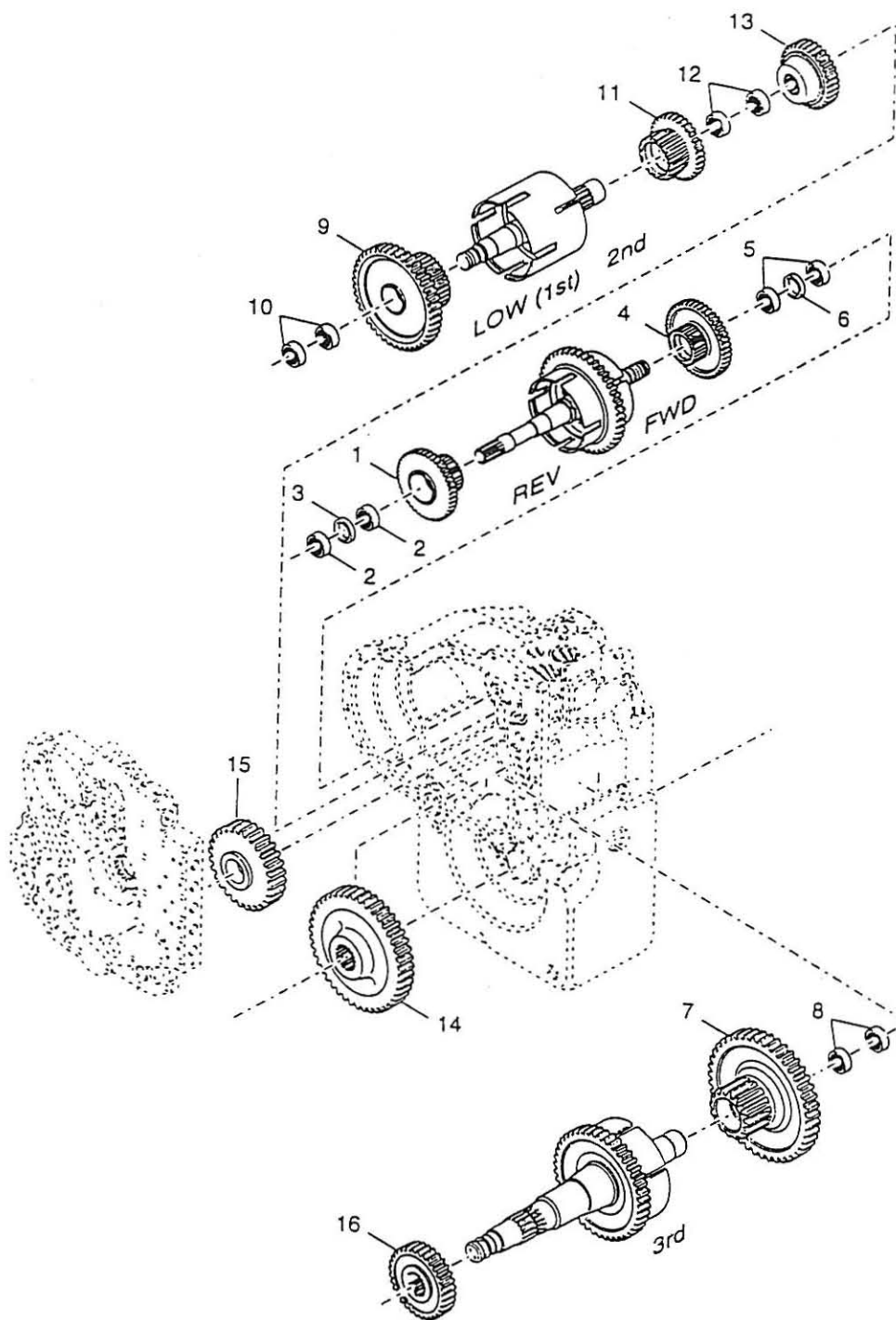
| ITEM | NUMBER    | DESCRIPTION            | REQD |
|------|-----------|------------------------|------|
| 1    | 7-126-384 | CONVERTER HOUSING      | 1    |
| 2    | 7-126-385 | PLUG (INCLUDES ITEM 3) | 4    |
| 3    | 7-126-386 | O-RING                 | 4    |
| 4    | 7-126-387 | PLUG                   | 1    |
| 5    | 7-126-385 | PLUG (INCLUDES ITEM 6) | 1    |
| 6    | 7-126-386 | O-RING                 | 1    |
| 7    | 7-126-04  | PLUG                   | 1    |
| 8    | 7-126-388 | SCREW                  | 6    |
| 9    | 7-126-389 | SCREW                  | 3    |
| 10   | 7-126-390 | SCREW                  | 1    |
| 11   | 7-126-391 | LOCKWASHER             | 10   |
| 12   | 7-126-389 | SCREW                  | 13   |
| 13   | 7-126-391 | LOCKWASHER             | 13   |
| 14   | 7-126-393 | GASKET                 | 1    |
| 15   | 7-126-392 | PLUG                   | 1    |



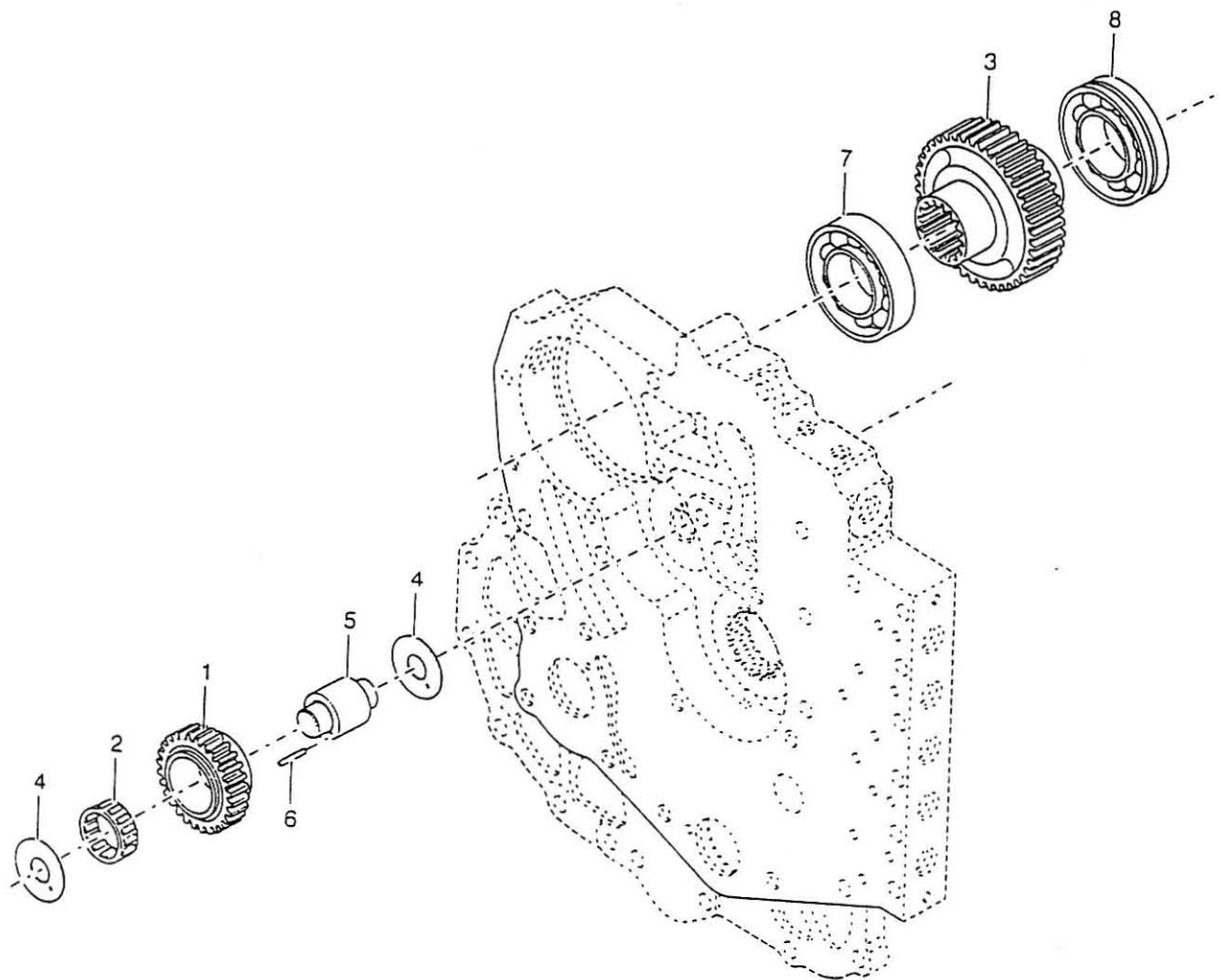
| ITEM | NUMBER    | DESCRIPTION              | REQD |
|------|-----------|--------------------------|------|
| 1    | 7-126-394 | TRANSMISSION CASE        | 1    |
| 2    | 7-126-05  | BREATHER                 | 1    |
| 3    | 7-126-395 | PLUG (INCLUDES ITEM 4)   | 2    |
| 4    | 7-126-358 | O-RING                   | 2    |
| 5    | 7-126-33  | PLUG / MAGNETIC DRAIN    | 1    |
| 6    | 7-126-396 | PIN                      | 2    |
| 7    | 7-126-357 | GASKET                   | 1    |
| 8    | 7-126-359 | RING                     | 1    |
| 9    | 7-126-397 | CLIP                     | 1    |
| 10   | 7-126-398 | SPACER                   | 1    |
| 11   | 7-126-399 | SEAT                     | 1    |
| 12   | 7-126-400 | SNAP RING                | 1    |
| 13   | 7-126-401 | POPPET                   | 1    |
| 14   | 7-126-402 | SPRING                   | 1    |
| 15   | 7-126-403 | WASHER                   | 1    |
| 16   | 7-126-387 | PLUG                     | 1    |
| 17   | 7-126-385 | PLUG (INCLUDES ITEM 18)  | 3    |
| 18   | 7-126-386 | O-RING                   | 3    |
| 19   | 7-126-387 | SCREW                    | 7    |
| 20   | 7-126-388 | SCREW                    | 2    |
| 21   | 7-126-391 | LOCKWASHER               | 9    |
| 22   | 7-126-392 | TUBE AND SCREEN ASSEMBLY | 1    |
| 23   | 7-126-265 | FILLER PLUG              | 1    |
| 24   | 7-126-387 | PLUG                     | 1    |
| 25   | 7-126-04  | PLUG                     | 1    |
| 26   | 7-126-393 | PLUG                     | 1    |
| 27   | 7-126-270 | DIPSTICK TUBE            | 1    |
| 28   | 7-126-671 | DIPSTICK ASSEMBLY        | 1    |
| 29   | 7-126-404 | PLUG                     | 2    |
| 30   | 7-126-356 | O-RING                   | 2    |
| 31   | 7-126-405 | SCREW                    | 2    |
| 32   | 7-126-406 | SCREW                    | 1    |
| 33   | 7-126-407 | WASHER                   | 1    |
| 34   | 7-126-408 | SCREW                    | 1    |
| 35   | 7-126-407 | WASHER                   | 1    |
| 36   | 7-126-409 | WASHER                   | 1    |
| 37   | 7-126-410 | NUT                      | 1    |



| ITEM | NUMBER    | DESCRIPTION                           | REQD |
|------|-----------|---------------------------------------|------|
| 1    | 7-126-411 | STATOR SUPPORT ASSY (INCL. ITEMS 2-3) | 1    |
| 2    | 7-126-412 | BUSHING                               | 1    |
| 3    | 7-126-413 | BEARING                               | 1    |
| 4    | 7-126-414 | STATOR SUPPORT PISTON RING            | 1    |
| 5    | 7-126-415 | EXPANDER                              | 1    |
| 6    | 7-126-416 | SNAP RING                             | 2    |
| 7    | 7-126-360 | SEAL                                  | 1    |
| 8    | 7-126-518 | TORQUE CONVERTER ASSEMBLY             | 1    |
| 9    | 7-126-234 | TORQUE CONVERTER PLUG                 | 1    |
| 10   | 7-126-233 | O-RING                                | 1    |
| 11   | 7-126-277 | SNAP RING                             | 1    |
| 12   | 7-126-417 | IMPELLER HUB GEAR                     | 1    |
| 13   | 7-126-418 | SNAP RING                             | 2    |
| 14   | 7-126-419 | WASHER                                | 1    |
| 15   | 7-126-420 | BEARING                               | 1    |
| 16   | 7-126-421 | OIL DISTRIBUTOR RING                  | 1    |



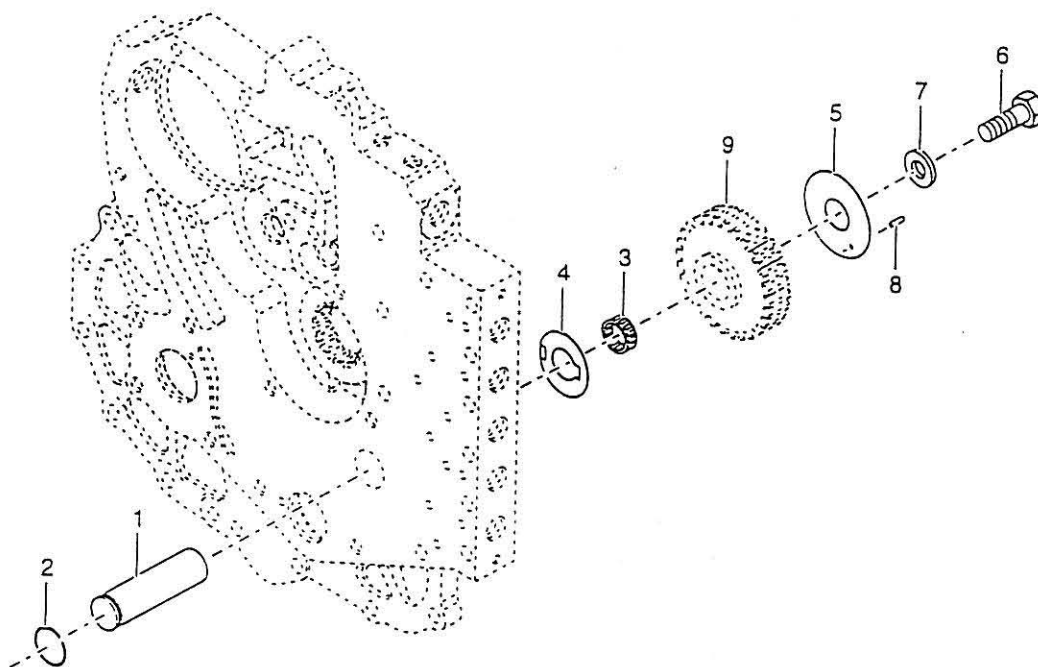
| ITEM | NUMBER    | DESCRIPTION                                | REQD |
|------|-----------|--------------------------------------------|------|
| 1    | 7-126-422 | REV CL. GEAR & BRNG ASSY (INCL. ITEMS 2-3) | 1    |
| 2    | 7-126-423 | BEARING                                    | 2    |
| 3    | 7-126-424 | SPACER                                     | 1    |
| 4    | 7-126-425 | FWD CL. GEAR & BRNG ASSY (INCL. ITEMS 5-6) | 1    |
| 5    | 7-126-423 | BEARING                                    | 2    |
| 6    | 7-126-424 | SPACER                                     | 1    |
| 7    | 7-126-428 | 3rd CL. GEAR & BRNG ASSY (INCL. ITEM 8)    | 1    |
| 8    | 7-126-429 | BEARING                                    | 2    |
| 9    | 7-126-430 | 1st CL. GEAR & BRNG ASSY (INCL. ITEM 10)   | 1    |
| 10   | 7-126-423 | BEARING                                    | 2    |
| 11   | 7-126-432 | 2nd CL. GEAR & BRNG ASSY (INCL. ITEM 12)   | 1    |
| 12   | 7-126-423 | BEARING                                    | 2    |
| 13   | 7-126-427 | 3rd DRIVEN GEAR                            | 1    |
| 14   | 7-126-426 | OUTPUT SHAFT GEAR                          | 1    |
| 15   | 7-126-431 | REVERSE IDLER GEAR                         | 1    |
| 16   | 7-126-433 | FIRST DRIVEN GEAR                          | 1    |



| ITEM | NUMBER    | DESCRIPTION                                | REQD |
|------|-----------|--------------------------------------------|------|
| 1    | 7-126-434 | PUMP DRIVE IDLER GEAR                      | 1    |
| 2    | 7-126-435 | BEARING                                    | 1    |
| 3    | 7-126-436 | PUMP DRIVE GEAR                            | 1    |
| 4    | 7-126-437 | PUMP DRIVE IDLER THRUST WASHER             | 2    |
| 5    | 7-126-438 | PUMP DRIVE SHAFT & PIN ASSY (INCL. ITEM 6) | 1    |
| 6    | 7-126-439 | ROLL PIN                                   | 1    |
| 7    | 7-126-440 | PUMP DRIVE GEAR BEARING                    | 1    |
| 8    | 7-126-441 | PUMP DRIVE GEAR BEARING                    | 1    |

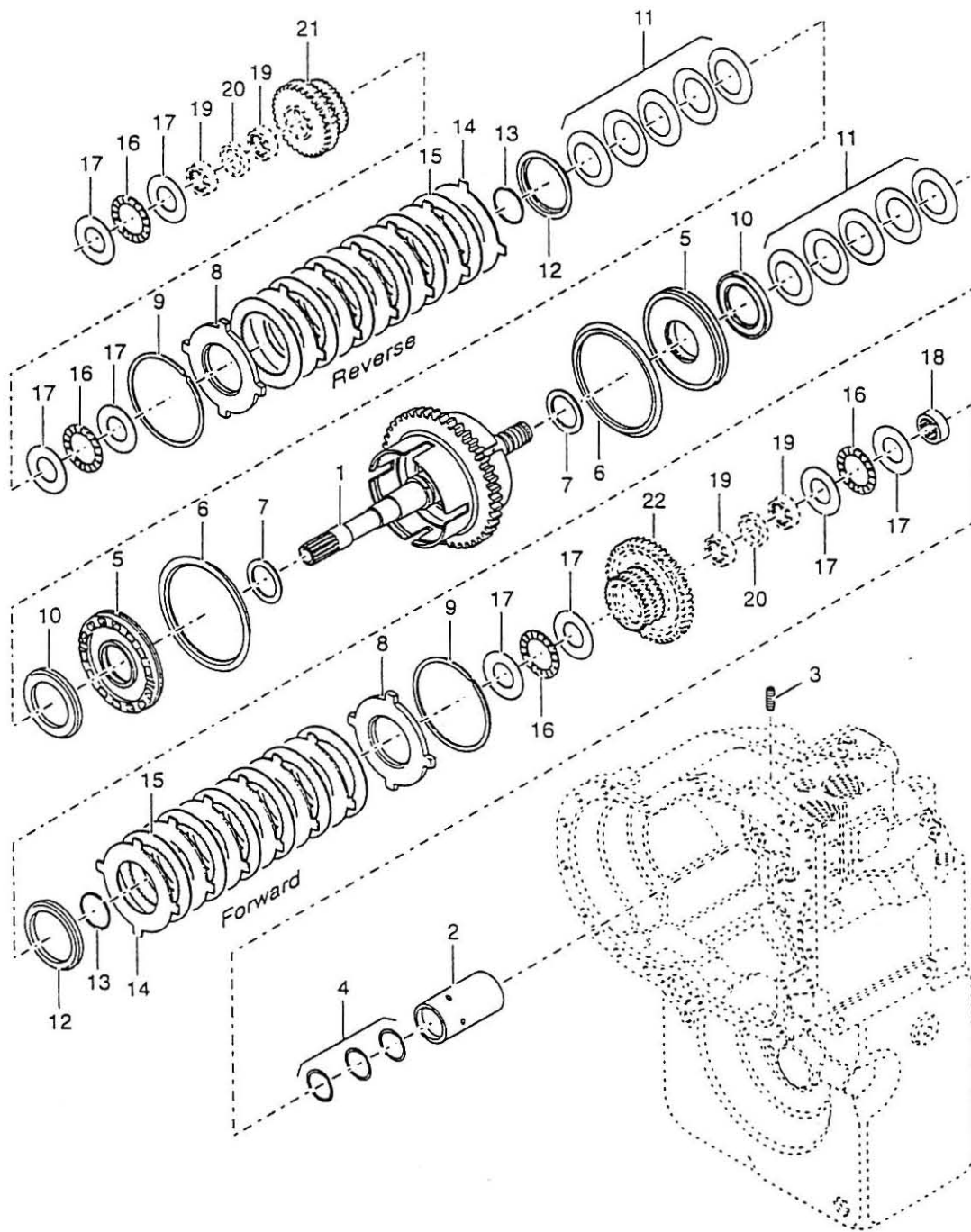


| ITEM | NUMBER    | DESCRIPTION                              | REQD |
|------|-----------|------------------------------------------|------|
| 1    | 7-126-350 | CHARGING PUMP ASSEMBLY                   | 1    |
| 2    | 7-126-349 | HYDRAULIC SPIN FILTER ASSEMBLY           | 1    |
| 3    | 7-126-442 | REGULATOR VALVE SLEEVE                   | 1    |
| 4    | 7-126-443 | REGULATOR VALVE PISTON                   | 1    |
| 5    | 7-126-444 | REGULATOR VALVE SPRING                   | 1    |
| 6    | 7-126-445 | PIN                                      | 1    |
| 7    | 7-126-446 | BALL CHECK VALVE ASSY (INCL. ITEMS 7-11) | 1    |
| 8    | 7-126-447 | BALL                                     | 1    |
| 9    | 7-126-448 | CHECK VALVE SPRING                       | 1    |
| 10   | 7-126-449 | CHECK VALVE PIN                          | 1    |
| 11   | 7-126-361 | O-RING                                   | 1    |
| 12   | 7-126-362 | CHARGING PUMP GASKET                     | 2    |
| 13   | 7-126-450 | PUMP MOUNTING SCREW                      | 4    |
| 14   | 7-126-451 | PUMP MOUNTING STUD                       | 1    |
| 15   | 7-126-452 | LOCKWASHER                               | 5    |
| 16   | 7-126-453 | PUMP MOUNTING STUD                       | 1    |
| 17   | 7-126-391 | LOCKWASHER                               | 1    |
| 18   | 7-126-454 | NUT                                      | 1    |
| 19   | 7-126-410 | NUT                                      | 1    |
| 20   | 7-126-522 | PUMP DRIVE ADAPTOR                       | 1    |
| 21   | 7-126-455 | PUMP ADAPTOR                             | 1    |
| 22   | 7-126-521 | SPACER PLATE                             | 1    |
| 23   | 7-126-520 | O-RING                                   | 1    |
| 24   | 7-126-519 | SCREW                                    | 2    |
| 25   | 7-126-215 | LOCKWASHER                               | 2    |
| 26   | 7-126-456 | REGULATOR VALVE ASSY (INCL. ITEMS 3-6)   | 1    |

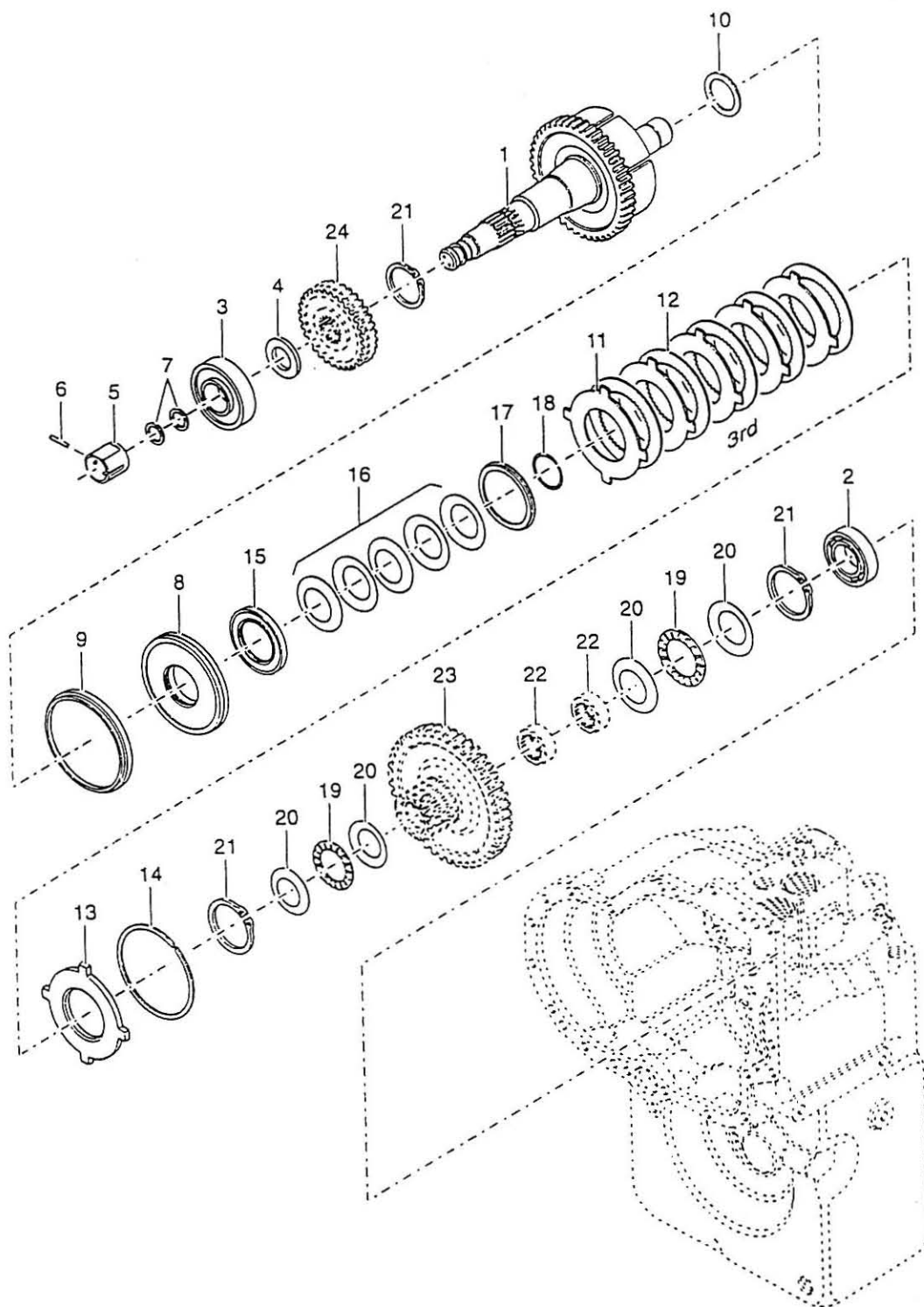


| ITEM | NUMBER    | DESCRIPTION                | REQD |
|------|-----------|----------------------------|------|
| 1    | 7-126-457 | IDLER & PILOT SHAFT        | 1    |
| 2    | 7-126-458 | IDLER SHAFT SNAP RING      | 1    |
| 3    | 7-126-459 | REVERSE IDLER GEAR BEARING | 1    |
| 4    | 7-126-460 | THRUST WASHER              | 1    |
| 5    | 7-126-461 | END PLATE                  | 1    |
| 6    | 7-126-462 | CAPSCREW                   | 1    |
| 7    | 7-126-463 | WASHER                     | 1    |
| 8    | 7-126-464 | ROLL PIN                   | 1    |
| 9    | 7-126-431 | REVERSE IDLER GEAR         | 1    |

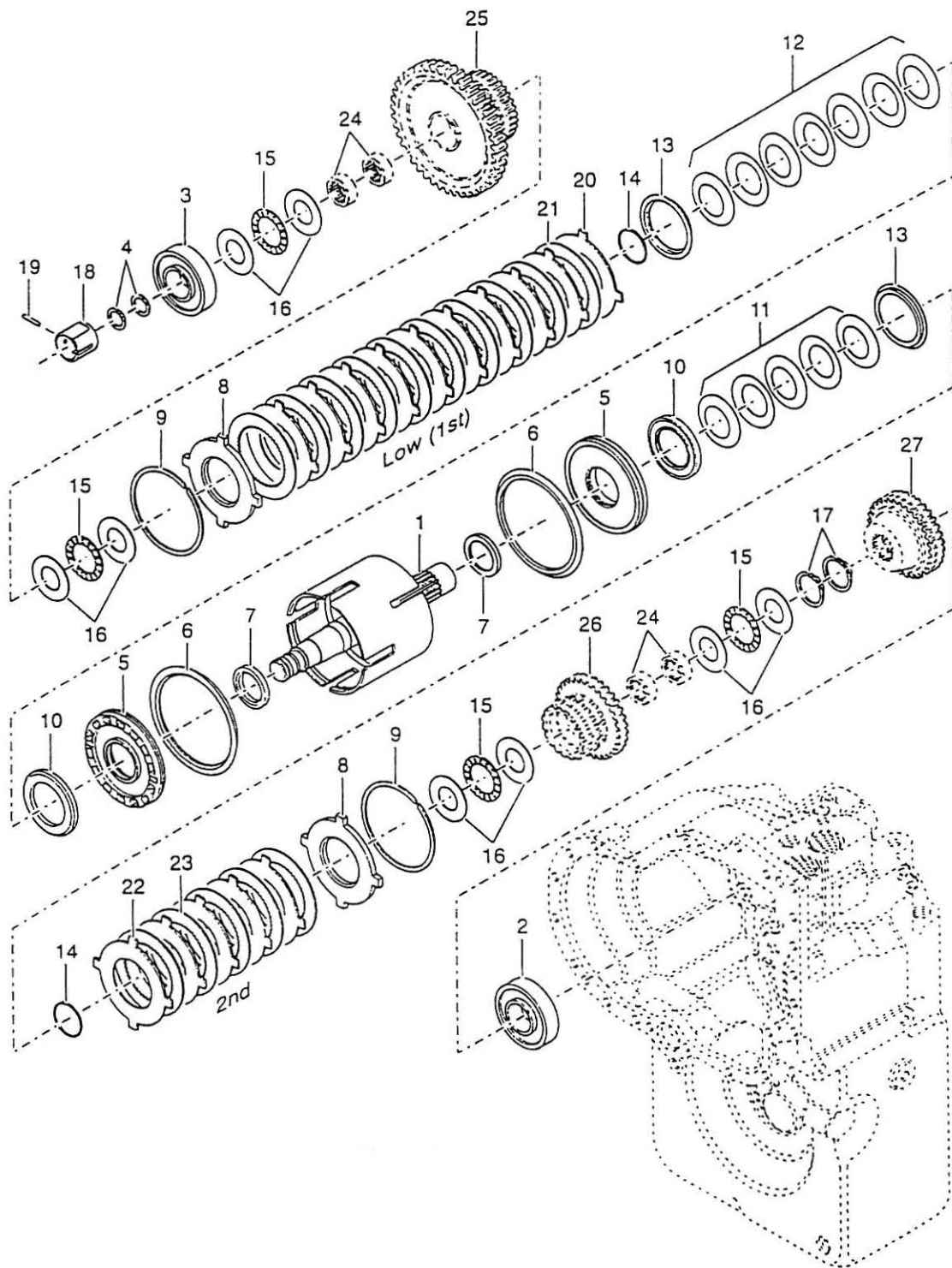
[illegible]



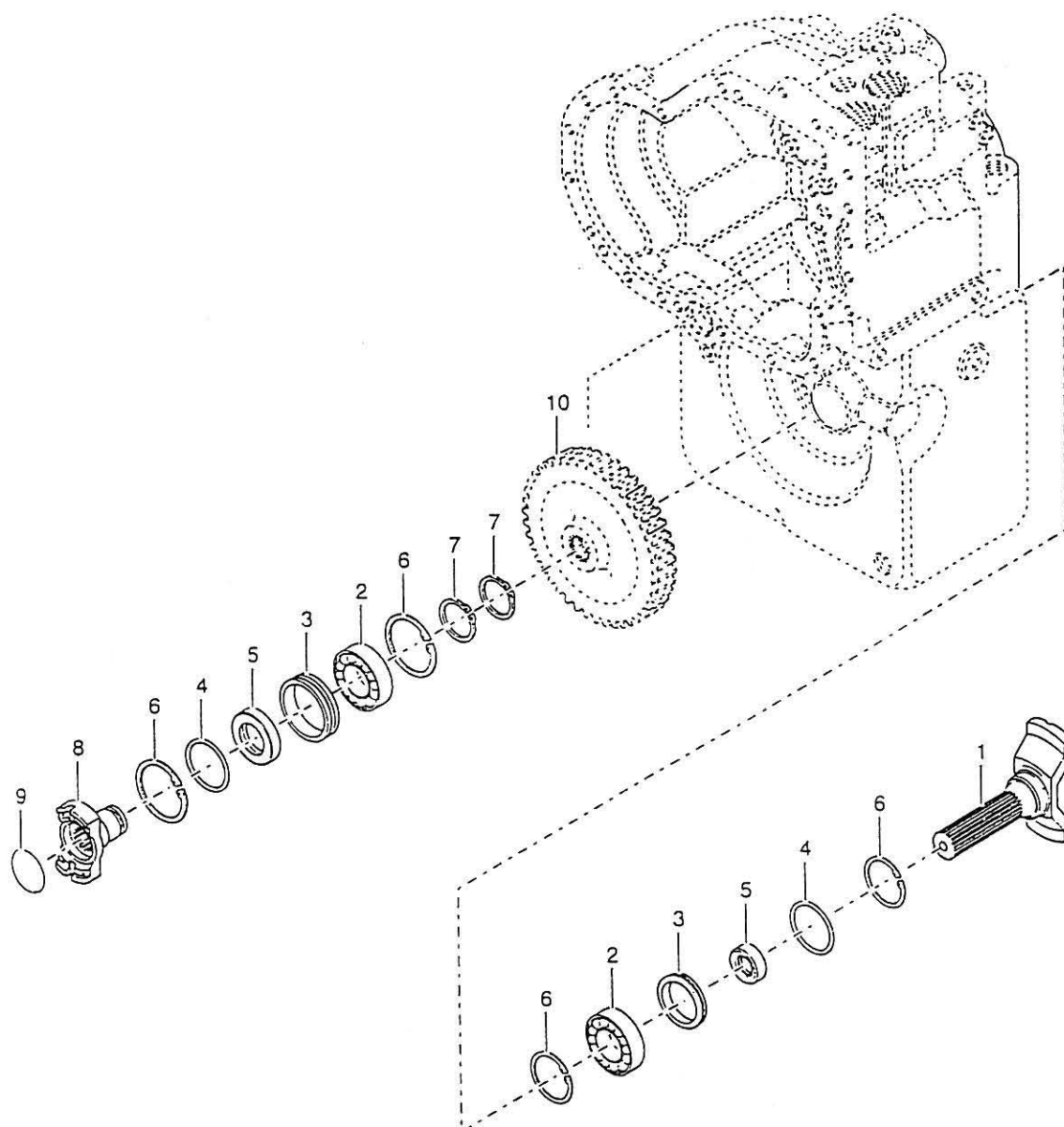
| ITEM | NUMBER    | DESCRIPTION                           | REQD |
|------|-----------|---------------------------------------|------|
| 1    | 7-126-465 | TURBINE SHAFT DRUM & PLUG ASSY        | 1    |
| 2    | 7-126-466 | OIL DISTRIBUTOR SLEEVE                | 1    |
| 3    | 7-126-467 | RETAINER SCREW                        | 1    |
| 4    | 7-126-468 | PISTON RING                           | 3    |
| 5    | 7-126-469 | PISTON & SEALS ASSY (INCL. ITEMS 6-7) | 2    |
| 6    | 7-126-470 | OUTER CLUTCH PISTON SEAL              | 2    |
| 7    | 7-126-471 | INNER CLUTCH PISTON SEAL              | 2    |
| 8    | 7-126-472 | END PLATE                             | 2    |
| 9    | 7-126-473 | SNAP RING                             | 2    |
| 10   | 7-126-474 | CLUTCH PISTON WEAR PLATE              | 2    |
| 11   | 7-126-475 | DISC SPRING ASSEMBLY                  | 2    |
| 12   | 7-126-476 | SNAP RING RETAINER                    | 2    |
| 13   | 7-126-477 | SNAP RING                             | 2    |
| 14   | 7-126-478 | OUTER DISC (6 FORWARD / 6 REVERSE)    | 12   |
| 15   | 7-126-479 | INNER DISC (6 FORWARD / 6 REVERSE)    | 12   |
| 16   | 7-126-480 | CLUTCH GEAR THRUST BEARING            | 4    |
| 17   | 7-126-481 | WASHER                                | 8    |
| 18   | 7-126-482 | REAR TURBINE SHAFT BEARING            | 1    |
| 19   |           | CL. GEAR BRNG (SEE GEAR GROUP)        | 4    |
| 20   |           | CL. GEAR BRNG SPACER (SEE GEAR GROUP) | 2    |
| 21   |           | REV CLUTCH GEAR (SEE GEAR GROUP)      | 1    |
| 22   |           | FWD CLUTCH GEAR (SEE GEAR GROUP)      | 1    |



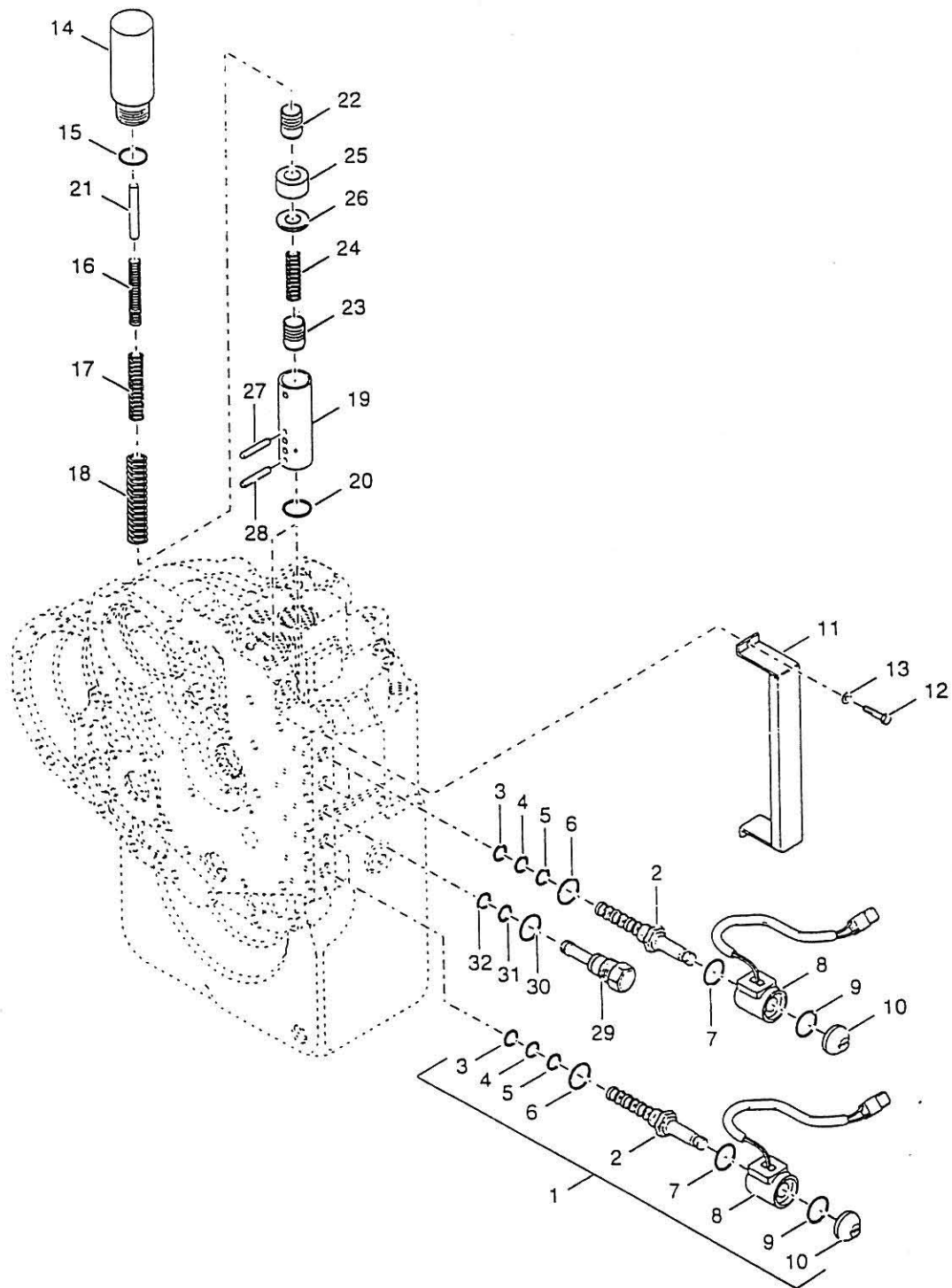
| ITEM | NUMBER    | DESCRIPTION                               | REQD |
|------|-----------|-------------------------------------------|------|
| 1    | 7-126-483 | 3rd SHAFT, DRUM, & PLUG ASSY              | 1    |
| 2    | 7-126-484 | ROLLER BEARING                            | 1    |
| 3    | 7-126-485 | BEARING & SEAL ASSY                       | 1    |
| 4    | 7-126-486 | BEARING SUPPORT WASHER                    | 1    |
| 5    | 7-126-487 | OIL DISTRIBUTOR SLEEVE                    | 1    |
| 6    | 7-126-488 | SCREW                                     | 1    |
| 7    | 7-126-468 | PISTON RING                               | 2    |
| 8    | 7-126-489 | PISTON & SEALS ASSY (INCLUDES ITEMS 9-10) | 1    |
| 9    | 7-126-470 | OUTER CLUTCH PISTON SEAL                  | 1    |
| 10   | 7-126-471 | INNER CLUTCH PISTON SEAL                  | 1    |
| 11   | 7-126-478 | OUTER DISC                                | 5    |
| 12   | 7-126-479 | INNER DISC                                | 5    |
| 13   | 7-126-472 | END PLATE                                 | 1    |
| 14   | 7-126-473 | SNAP RING                                 | 1    |
| 15   | 7-126-474 | CLUTCH PISTON WEAR PLATE                  | 1    |
| 16   | 7-126-475 | DISC SPRING ASSY (INCL. 5 WASHERS)        | 1    |
| 17   | 7-126-476 | SNAP RING RETAINER                        | 1    |
| 18   | 7-126-477 | SNAP RING                                 | 1    |
| 19   | 7-126-490 | NEEDLE ROLLER THRUST BEARING              | 2    |
| 20   | 7-126-491 | THRUST WASHER                             | 4    |
| 21   | 7-126-492 | SNAP RING                                 | 3    |
| 22   | 7-126-429 | 3rd CLUTCH GEAR BEARING (SEE GEAR GROUP)  | 2    |
| 23   |           | 3rd CLUTCH GEAR (SEE GEAR GROUP)          | 1    |
| 24   |           | FIRST DRIVE GEAR (SEE GEAR GROUP)         | 1    |



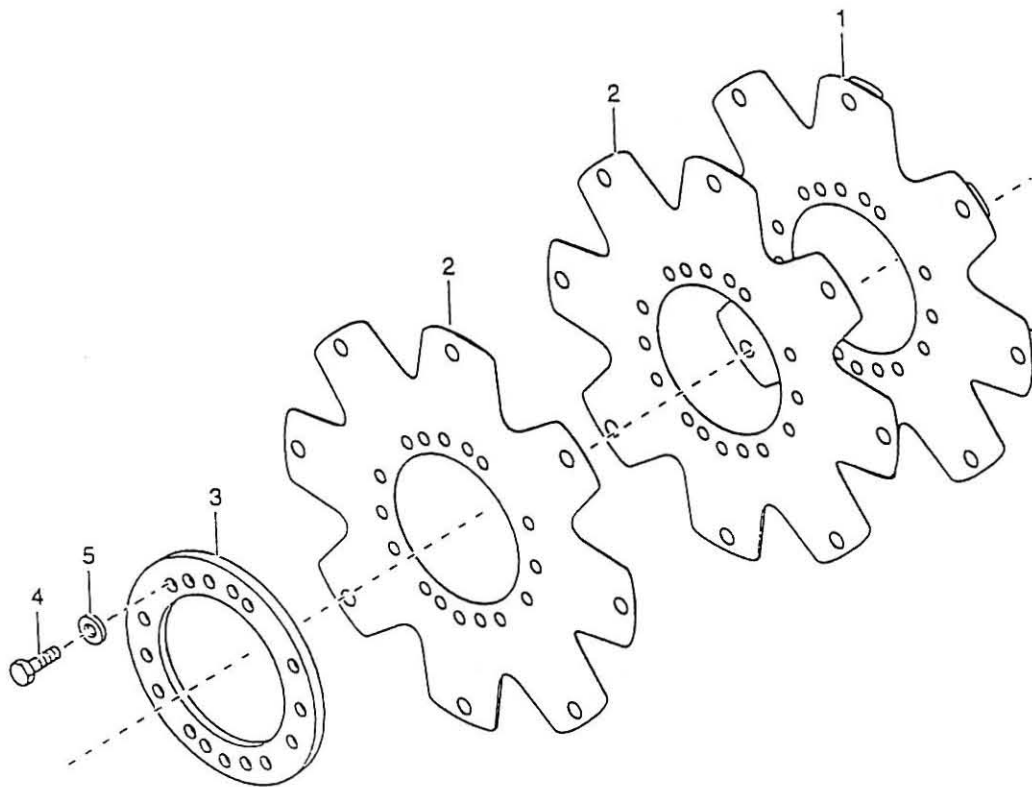
| ITEM | NUMBER    | DESCRIPTION                              | REQD |
|------|-----------|------------------------------------------|------|
| 1    | 7-126-493 | 1st & 2nd SHAFT, DRUM, PLUG, & SEAT ASSY | 1    |
| 2    | 7-126-494 | ROLLER BEARING                           | 1    |
| 3    | 7-126-485 | BEARING & SEAL ASSY                      | 1    |
| 4    | 7-126-468 | PISTON RING                              | 2    |
| 5    | 7-126-495 | PISTON & SEALS ASSY (INCL. ITEMS 6 & 7)  | 2    |
| 6    | 7-126-470 | OUTER CLUTCH PISTON SEAL                 | 2    |
| 7    | 7-126-471 | INNER CLUTCH PISTON SEAL                 | 2    |
| 8    | 7-126-472 | END PLATE                                | 2    |
| 9    | 7-126-473 | SNAP RING                                | 2    |
| 10   | 7-126-474 | CLUTCH PISTON WEAR PLATE                 | 2    |
| 11   | 7-126-475 | 2nd DISC SPRING ASSY (INCL. 5 WASHERS)   | 1    |
| 12   | 7-126-496 | 1st DISC SPRING ASSY (INCL. 7 WASHERS)   | 1    |
| 13   | 7-126-476 | SNAP RING RETAINER                       | 2    |
| 14   | 7-126-477 | SNAP RING                                | 2    |
| 15   | 7-126-480 | CLUTCH GEAR THRUST BEARING               | 4    |
| 16   | 7-126-481 | CLUTCH GEAR THRUST WASHER                | 8    |
| 17   | 7-126-497 | SNAP RING                                | 2    |
| 18   | 7-126-498 | OIL DISTRIBUTOR SLEEVE                   | 1    |
| 19   | 7-126-499 | SLEEVE RETAINING SCREW                   | 1    |
| 20   | 7-126-478 | OUTER DISC (1st)                         | 10   |
| 21   | 7-126-479 | INNER DISC (1st)                         | 10   |
| 22   | 7-126-478 | OUTER DISC (2nd)                         | 5    |
| 23   | 7-126-479 | INNER DISC (2nd)                         | 5    |
| 24   | 7-126-423 | CLUTCH GEAR BEARING (SEE GEAR GROUP)     | 4    |
| 25   |           | 1st CLUTCH GEAR (SEE GEAR GROUP)         | 1    |
| 26   |           | 2nd CLUTCH GEAR (SEE GEAR GROUP)         | 1    |
| 27   |           | 3rd DRIVEN GEAR (SEE GEAR GROUP)         | 1    |



| ITEM | NUMBER    | DESCRIPTION                              | REQD |
|------|-----------|------------------------------------------|------|
| 1    | 7-126-500 | OUTPUT SHAFT                             | 1    |
| 2    | 7-126-307 | OUTPUT SHAFT BEARING                     | 2    |
| 3    | 7-126-368 | OIL SEAL SLEEVE                          | 2    |
| 4    | 7-126-366 | O-RING                                   | 2    |
| 5    | 7-126-367 | OUTPUT SHAFT OIL SEAL                    | 2    |
| 6    | 7-126-365 | SNAP RING                                | 4    |
| 7    | 7-126-369 | SNAP RING                                | 2    |
| 8    | 7-126-364 | OUTPUT FLANGE & PLUG ASSY (INCL. ITEM 9) | 1    |
| 9    | 7-126-363 | FLANGE PLUG                              | 1    |
| 10   | 7-126-426 | OUTPUT SHAFT GEAR (SEE GEAR GROUP)       | 1    |



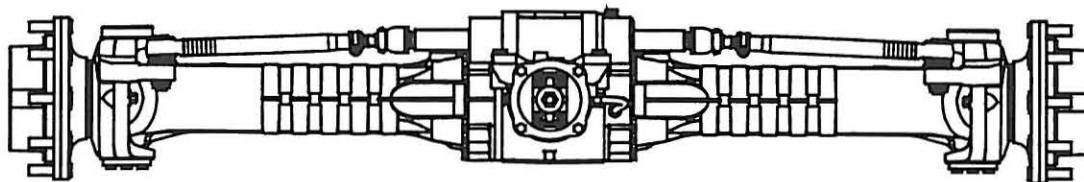
| ITEM | NUMBER    | DESCRIPTION                             | REQD |
|------|-----------|-----------------------------------------|------|
| 1    | 7-126-382 | SOLENOID ASSEMBLY (INCLUDES ITEMS 2-10) | 4    |
| 2    | 7-126-380 | 4-WAY VALVE CARTRIDGE (INCL. ITEMS 3-6) | 4    |
| 3    | 7-126-376 | O-RING                                  | 4    |
| 4    | 7-126-377 | O-RING                                  | 4    |
| 5    | 7-126-378 | O-RING                                  | 4    |
| 6    | 7-126-379 | O-RING                                  | 4    |
| 7    | 7-126-374 | O-RING                                  | 4    |
| 8    | 7-126-375 | SOLENOID COIL (12V)                     | 4    |
| 9    | 7-126-374 | O-RING                                  | 4    |
| 10   | 7-126-373 | NUT                                     | 4    |
| 11   | 7-126-501 | PROTECTIVE COVER                        | 1    |
| 12   | 7-126-502 | SCREW                                   | 2    |
| 13   | 7-126-503 | LOCKWASHER                              | 2    |
| 14   | 7-126-504 | MODULATOR VALVE HOUSING                 | 2    |
| 15   | 7-126-371 | O-RING                                  | 2    |
| 16   | 7-126-505 | INNER SPRING                            | 2    |
| 17   | 7-126-506 | MIDDLE SPRING                           | 2    |
| 18   | 7-126-507 | OUTER SPRING                            | 2    |
| 19   | 7-126-508 | MODULATION VALVE SLEEVE                 | 2    |
| 20   | 7-126-372 | O-RING                                  | 2    |
| 21   | 7-126-63  | PIN                                     | 2    |
| 22   | 7-126-509 | ACCUMULATOR SPOOL                       | 2    |
| 23   | 7-126-510 | REGULATOR SPOOL                         | 2    |
| 24   | 7-126-511 | MODULATOR VALVE SPOOL                   | 2    |
| 25   | 7-126-512 | SPRING RETAINER                         | 2    |
| 26   | 7-126-513 | SPRING SPACER                           | 2    |
| 27   | 7-126-514 | UPPER PIN                               | 2    |
| 28   | 7-126-515 | LOWER PIN                               | 2    |
| 29   | 7-126-381 | SOLENOID BORE PLUG                      | 1    |
| 30   | 7-126-379 | O-RING                                  | 1    |
| 31   | 7-126-378 | O-RING                                  | 1    |
| 32   | 7-126-376 | O-RING                                  | 1    |



| ITEM | NUMBER    | DESCRIPTION                               | REQD |
|------|-----------|-------------------------------------------|------|
| 1    | 7-126-383 | DRIVE PLATE ASSY (INCL. IN ITEM 6-N.S.S.) | 1    |
| 2    | 7-126-383 | DRIVE PLATE (INCL. IN ITEM 6-N.S.S.)      | 2    |
| 3    | 7-126-60  | DRIVE PLATE BACKING RING                  | 1    |
| 4    | 7-126-516 | SCREW                                     | 6    |
| 5    | 7-126-54  | LOCKWASHER                                | 6    |
| 6    | 7-126-383 | DRIVE PLATE KIT (INCLUDES ITEMS 1-5)      | 1    |



# FRONT AXLE PARTS BOOK TH636C TH644C

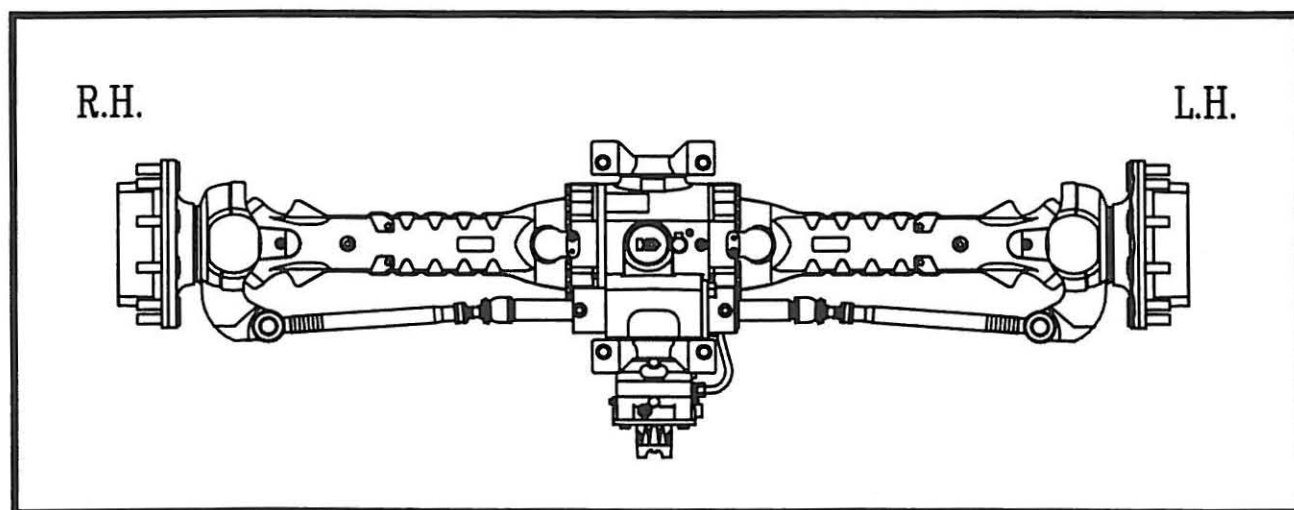


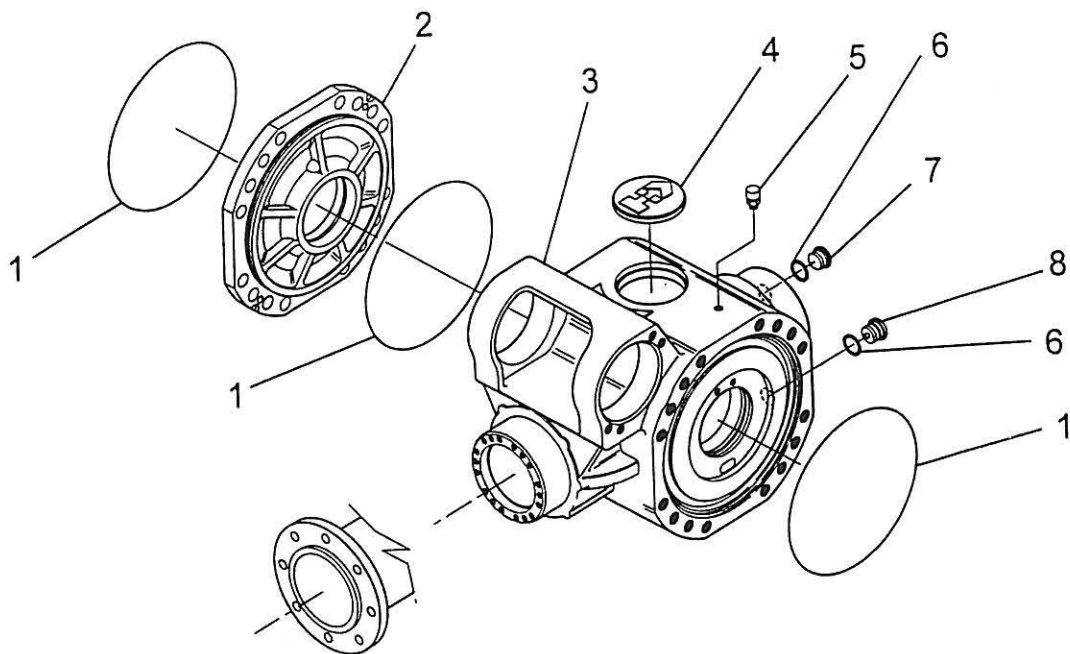
DATE: 3-13-00  
SPICER CLARK-HURTH 212/230 AXLE  
7-229-619 STEERING CYLINDER

TEREX HANDLERS  
455 N. Superior Ave., Baraga, MI 49908-0248  
PH: (906) 353-6675; FAX: (906) 353-7543  
INTERNET: <http://www.sqshooter.com>

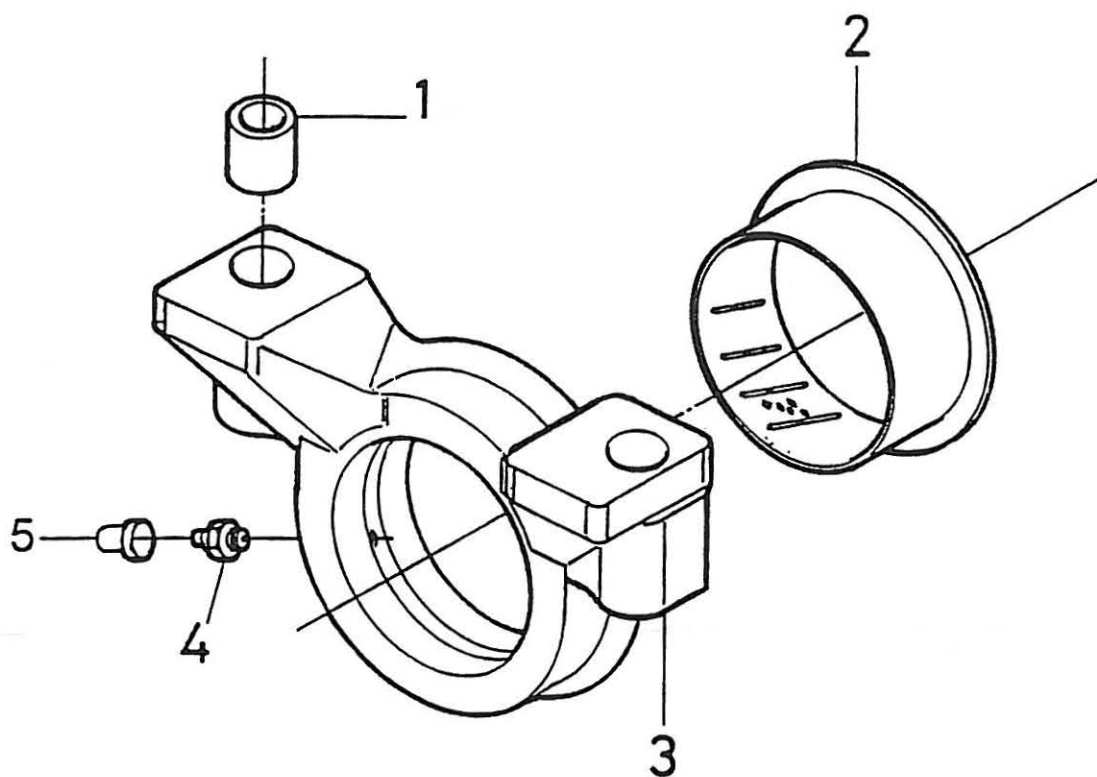
# AXLE PARTS ORDERING GUIDE

WHEN ORDERING FROM THIS BOOK USE THE  
FIGURE BELOW AS A REFERENCE IN DETERMINING  
LEFT OR RIGHT HAND SIDE

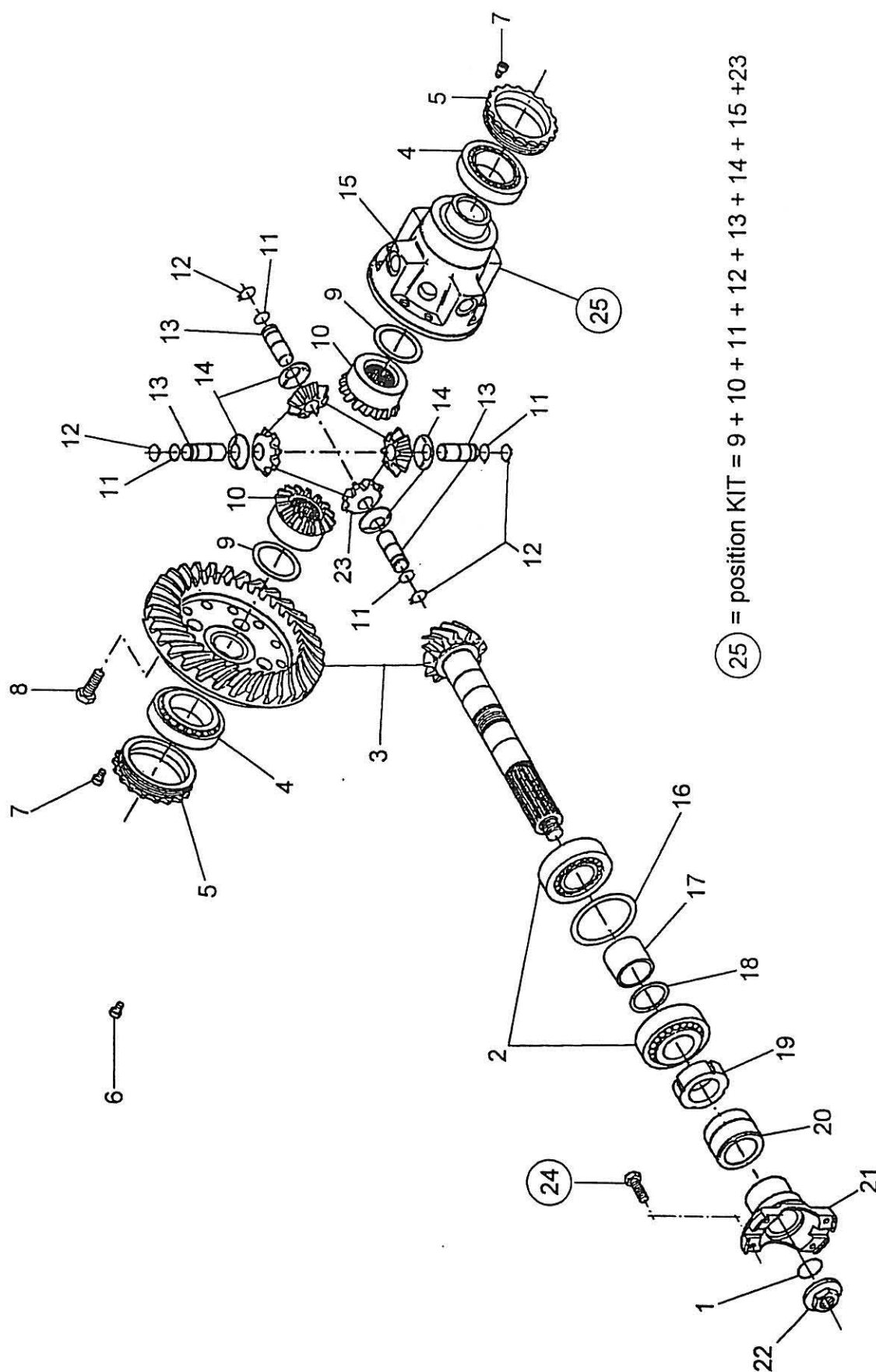




| ITEM | NUMBER    | DESCRIPTION        | REQD |
|------|-----------|--------------------|------|
| 1    | 7-229-520 | O-RING             | 3    |
| 2    | 7-229-521 | INTERMEDIATE COVER | 1    |
| 3    | 7-229-626 | HOUSING            | 1    |
| 4    | 7-229-523 | COVER              | 1    |
| 5    | 7-229-524 | VENT               | 1    |
| 6    | 7-229-525 | SEAL WASHER        | 2    |
| 7    | 7-229-526 | PLUG               | 1    |
| 8    | 7-229-527 | MAGNETIC PLUG      | 1    |



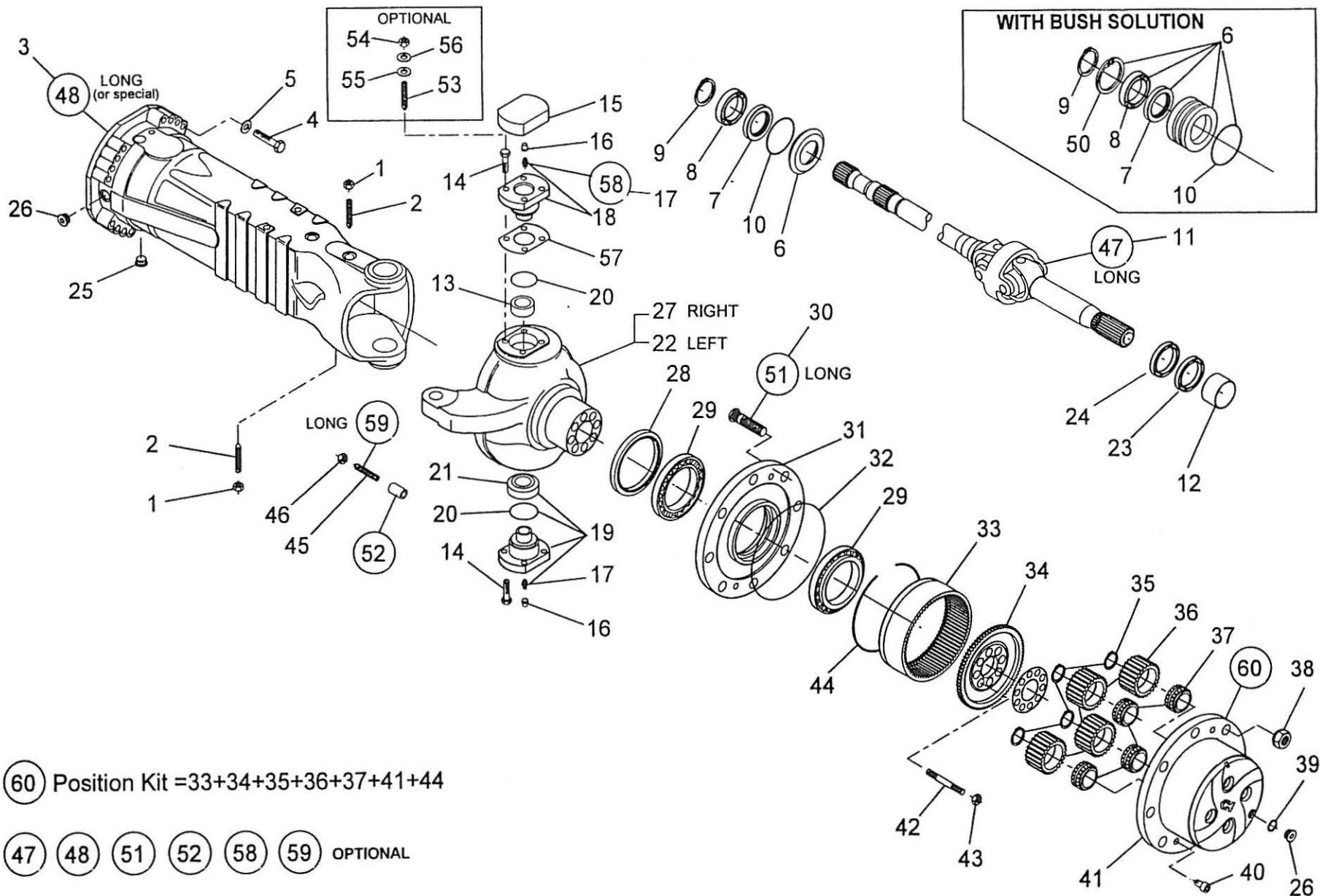
| ITEM | NUMBER    | DESCRIPTION       | REQD |
|------|-----------|-------------------|------|
| 1    | 7-229-620 | REDUCTION BUSHING | 4    |
| 2    | 7-229-621 | THRUST BUSHING    | 2    |
| 3    | 7-229-622 | SUPPORT           | 2    |
| 4    | 7-229-572 | GREASE FITTING    | 2    |
| 5    | 7-229-571 | PLUG              | 2    |



25 = position KIT = 9 + 10 + 11 + 12 + 13 + 14 + 15 + 23

24 OPTIONAL

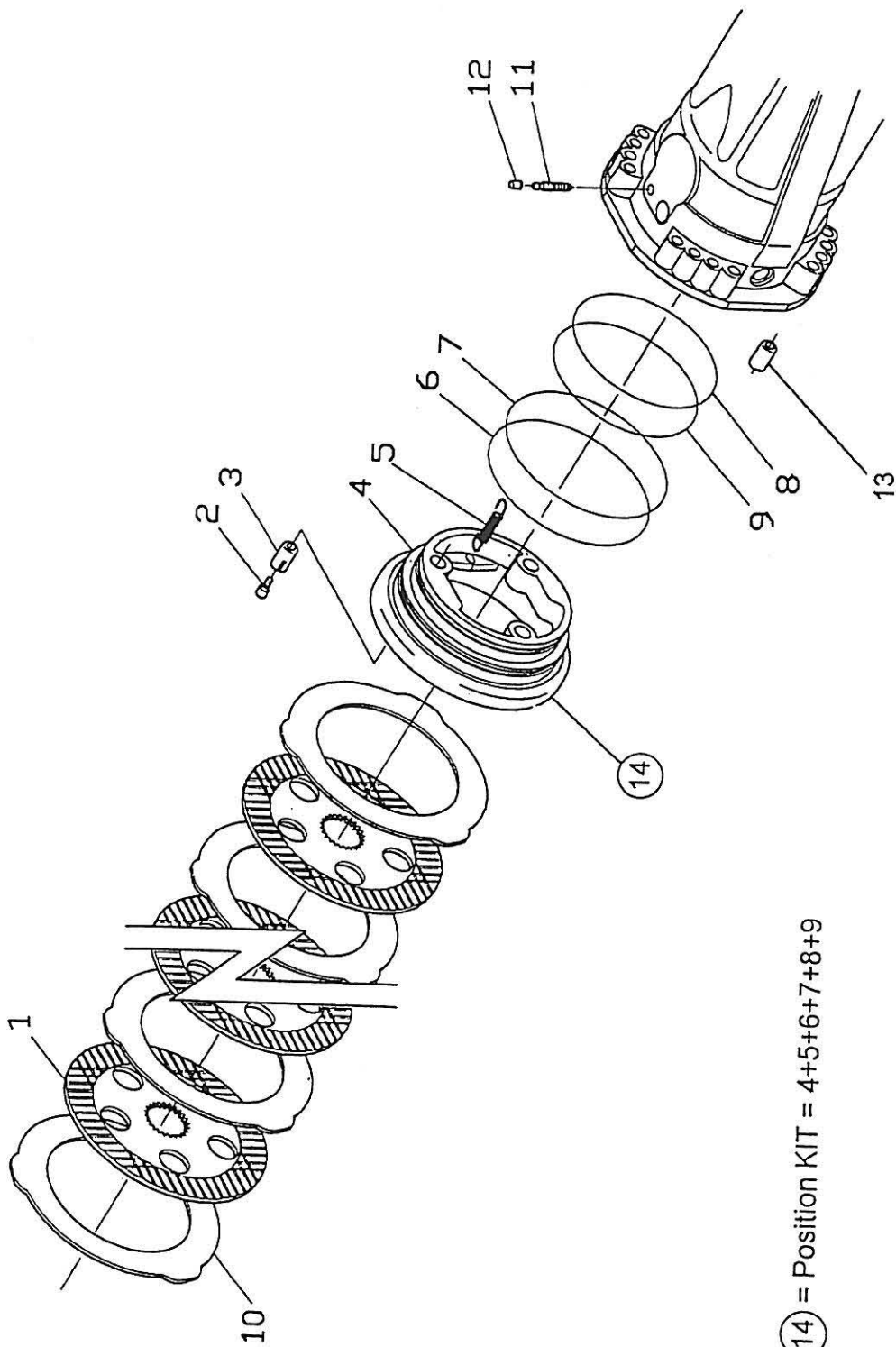
| ITEM | NUMBER    | DESCRIPTION                             | REQD |
|------|-----------|-----------------------------------------|------|
| 1    | 7-229-528 | O-RING                                  | 1    |
| 2    | 7-229-547 | TAPER ROLLER BEARING                    | 2    |
| 3    | 7-229-676 | BEVEL GEAR SET                          | 1    |
| 4    | 7-229-535 | TAPER ROLLER BEARINGS                   | 2    |
| 5    | 7-229-536 | RING NUT                                | 2    |
| 6    | 7-229-537 | CYLINDER BOLT                           | 4    |
| 7    | 7-229-538 | CYLINDER BOLT                           | 2    |
| 8    | 7-229-691 | BOLT                                    | 12   |
| 9    | 7-229-540 | FRICTION WASHER                         | 2    |
| 10   | 7-229-541 | DIFFERENTIAL SIDE GEAR                  | 2    |
| 11   | 7-229-543 | CIRCLIP                                 | 4    |
| 12   | 7-229-555 | CIRCLIP                                 | 4    |
| 13   | 7-229-542 | PIN                                     | 4    |
| 14   | 7-229-544 | FRICTION WASHER                         | 4    |
| 15   | 7-229-546 | DIFFERENTIAL CARRIER                    | 4    |
| 16   |           | SHIM / SEE ITEMS 26-29 BELOW            |      |
| 17   | 7-229-549 | SPACER                                  | 1    |
| 18   |           | SHIM / SEE ITEMS 30-34 BELOW            |      |
| 19   | 7-229-550 | RING NUT                                | 1    |
| 20   |           |                                         |      |
| 21   | 7-229-553 | FLANGE                                  | 1    |
| 22   | 7-229-554 | NUT                                     | 1    |
| 23   | 7-229-545 | DIFFERENTIAL PINION                     | 1    |
| 24   |           |                                         |      |
| 25   | 7-229-556 | DIFFERENTIAL ASSY (INCL. ITEMS 9-15,23) | 1    |
| 26   | 7-229-548 | SHIM / 0.20mm                           | AR   |
| 27   | 7-229-557 | SHIM / 0.30mm                           | AR   |
| 28   | 7-229-558 | SHIM / 0.15mm                           | AR   |
| 29   | 7-229-559 | SHIM / 0.10mm                           | AR   |
| 30   | 7-229-529 | SHIM / 0.10mm                           | AR   |
| 31   | 7-229-530 | SHIM / 0.15mm                           | AR   |
| 32   | 7-229-531 | SHIM / 0.20mm                           | AR   |
| 33   | 7-229-532 | SHIM / 0.40mm                           | AR   |
| 34   | 7-229-533 | SHIM / 0.50mm                           | AR   |



| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-623 | NUT                  | 2    |
| 2    | 7-229-624 | STEERING ADJUST BOLT | 2    |
| 3    | 7-229-677 | AXLE CASE            | 2    |
| 4    | 7-229-560 | BOLT                 | 32   |
| 5    | 7-229-561 | WASHER               | 32   |
| 6    | 7-229-562 | REDUCTION BUSHING    | 2    |
| 7    | 7-229-563 | SEAL                 | 2    |
| 8    | 7-229-564 | BALL BEARING         | 2    |
| 9    | 7-229-565 | CIRCLIP              | 2    |
| 10   | 7-229-566 | O-RING               | 2    |
| 11   | 7-229-567 | UNIVERSAL JOINT      | 2    |
| 12   | 7-229-568 | THRUST BUSHING       | 2    |
| 13   | 7-229-569 | OUTER RACE           | 2    |
| 14   | 7-229-539 | BOLT                 | 20   |
| 15   | 7-229-570 | COVER                | 2    |
| 16   | 7-229-571 | PLUG                 | 4    |
| 17   | 7-229-572 | GREASE FITTING       | 2    |
| 18   | 7-229-573 | PIVOT PIN            | 2    |
| 19   | 7-229-574 | PIVOT PIN            | 2    |
| 20   | 7-229-575 | SEAL                 | 2    |
| 21   | 7-229-576 | ARTICULATION         | 2    |
| 22   | 7-229-678 | STEERING CASE / LH   | 1    |
| 23   | 7-229-578 | SEAL                 | 2    |
| 24   | 7-229-579 | DUST EXCLUDER        | 2    |
| 25   | 7-229-580 | MAGNET PLUG          | 2    |
| 26   | 7-229-526 | PLUG                 | 3    |
| 27   | 7-229-679 | STEERING CASE / RH   | 1    |
| 28   | 7-229-582 | SEAL                 | 2    |
| 29   | 7-229-583 | BEARING              | 20   |
| 30   | 7-229-692 | WHEEL STUD           | 20   |
| 31   | 7-229-680 | WHEEL HUB            | 2    |
| 32   | 7-229-586 | O-RING               | 2    |
| 33   | 7-229-587 | RING GEAR            | 2    |
| 34   | 7-229-588 | RING GEAR SUPPORT    | 2    |
| 35   | 7-229-589 | CIRCLIP              | 8    |
| 36   | 7-229-590 | PLANET GEAR          | 8    |
| 37   | 7-229-591 | BEARING              | 8    |
| 38   | 7-229-592 | WHEEL NUT            | 20   |
| 39   | 7-229-525 | SEAL WASHER          | 5    |
| 40   | 7-229-681 | COUNTERSUNK BOLT     | 4    |
| 41   | 7-229-682 | PLANET GEAR CARRIER  | 2    |
| 42   | 7-229-595 | STUD                 | 16   |
| 43   | 7-229-596 | NUT                  | 16   |
| 44   | 7-229-597 | CIRCLIP              | 2    |
| 45   | 7-229-598 | ADJUSTING BOLT       | 2    |
| 46   | 7-229-599 | NUT                  | 2    |
| 47   |           |                      |      |
| 48   |           |                      |      |
| 49   | 7-229-600 | LOCKING PLATE        | 2    |
| 50   | 7-229-601 | CIRCLIP              | 2    |

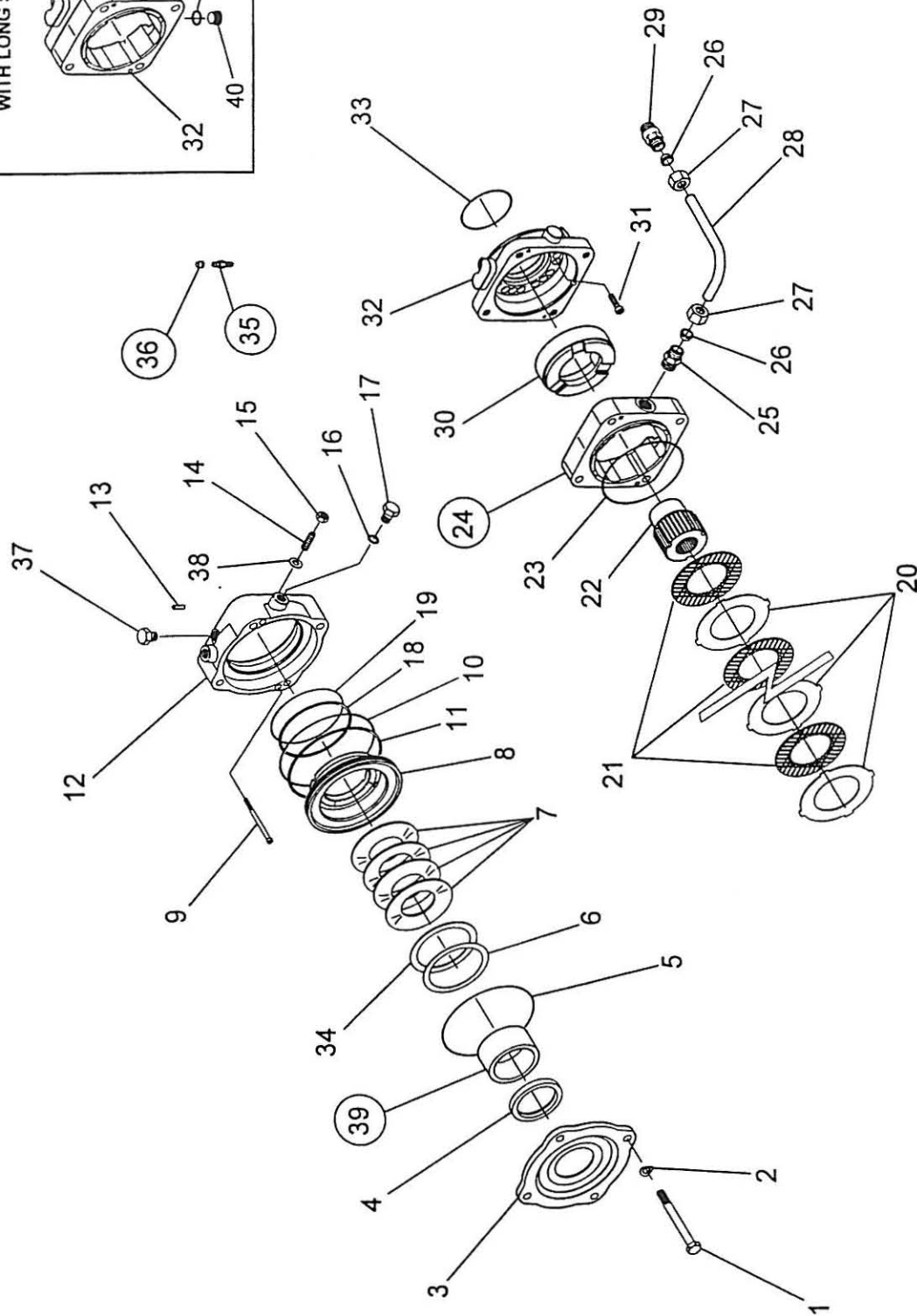
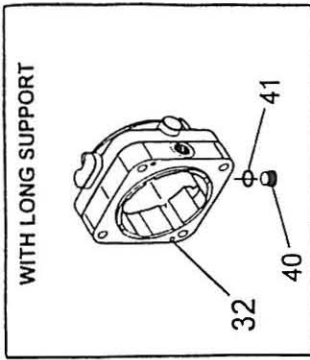
| ITEM | NUMBER    | DESCRIPTION                                 | REQD |
|------|-----------|---------------------------------------------|------|
| 51   |           |                                             |      |
| 52   |           |                                             |      |
| 53   |           |                                             |      |
| 54   |           |                                             |      |
| 55   |           |                                             |      |
| 56   |           |                                             |      |
| 57   |           | SHIM / SEE ITEMS 61-63 BELOW                |      |
| 58   |           |                                             |      |
| 59   |           |                                             |      |
| 60   | 7-229-683 | PLANET GEAR CARRIER ASSY(ITEMS 33-37,41,44) | 2    |
| 61   | 7-229-602 | SHIM / 0.15mm                               | AR   |
| 62   | 7-229-603 | SHIM / 0.20mm                               | AR   |
| 63   | 7-229-604 | SHIM / 0.50mm                               | AR   |

5



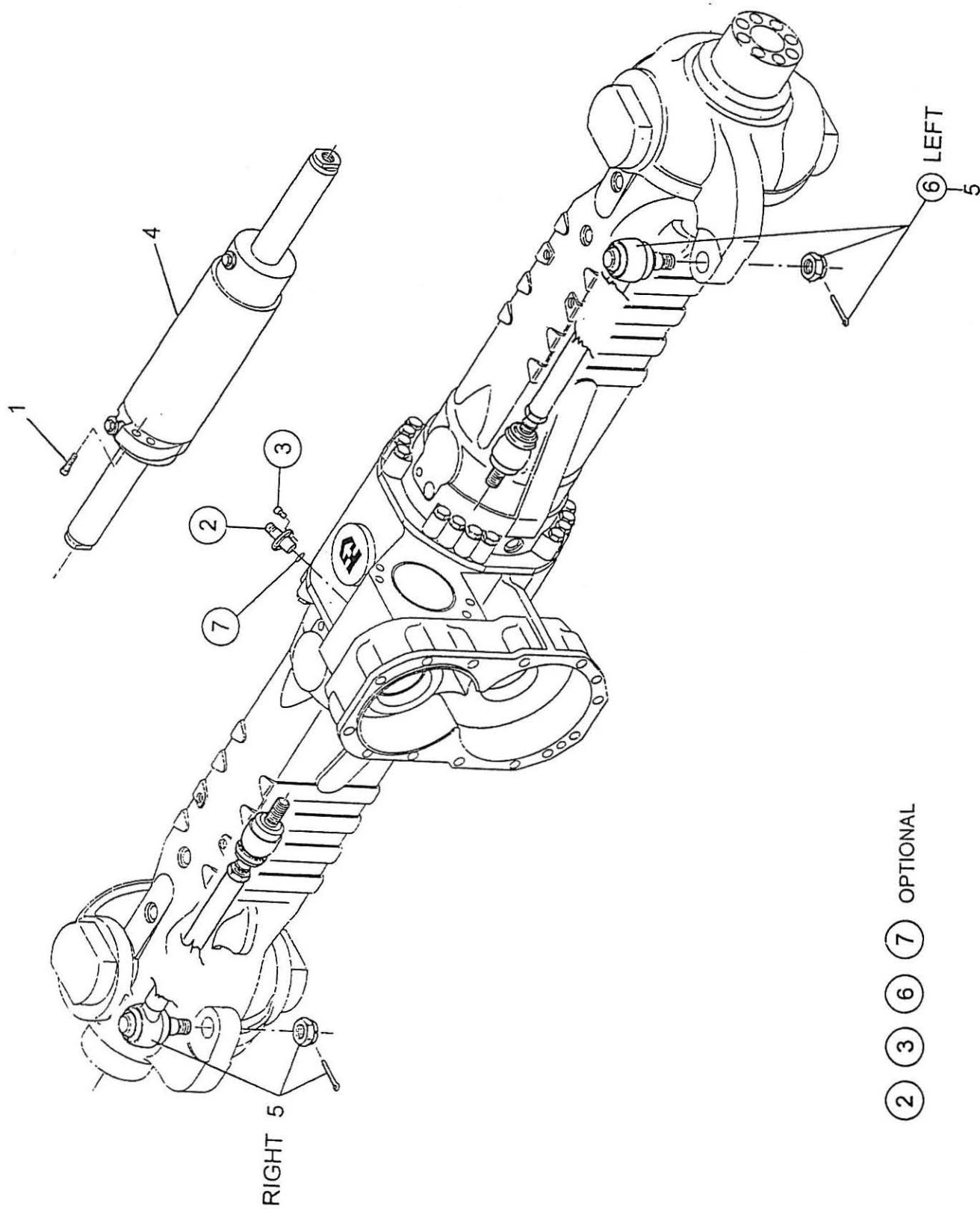
⑭ = Position KIT = 4+5+6+7+8+9

| ITEM | NUMBER    | DESCRIPTION             | REQD |
|------|-----------|-------------------------|------|
| 1    | 7-229-605 | BRAKE DISC              | 6    |
| 2    | 7-229-606 | ADJUSTING BOLT          | 6    |
| 3    | 7-229-607 | SPRING                  | 6    |
| 4    | 7-229-608 | PISTON                  | 2    |
| 5    | 7-229-609 | SPRING                  | 6    |
| 6    | 7-229-610 | BACK-UP RING            | 2    |
| 7    | 7-229-611 | O-RING                  | 2    |
| 8    | 7-229-612 | BACK-UP RING            | 2    |
| 9    | 7-229-613 | O-RING                  | 2    |
| 10   | 7-229-614 | INTERMEDIATE BRAKE DISC | 8    |
| 11   | 7-229-615 | BLEEDING BOLT           | 2    |
| 12   | 7-229-571 | PLUG                    | 2    |
| 13   | 7-229-616 | DOWEL                   | 2    |
| 14   | 7-229-617 | PISTON                  | 2    |

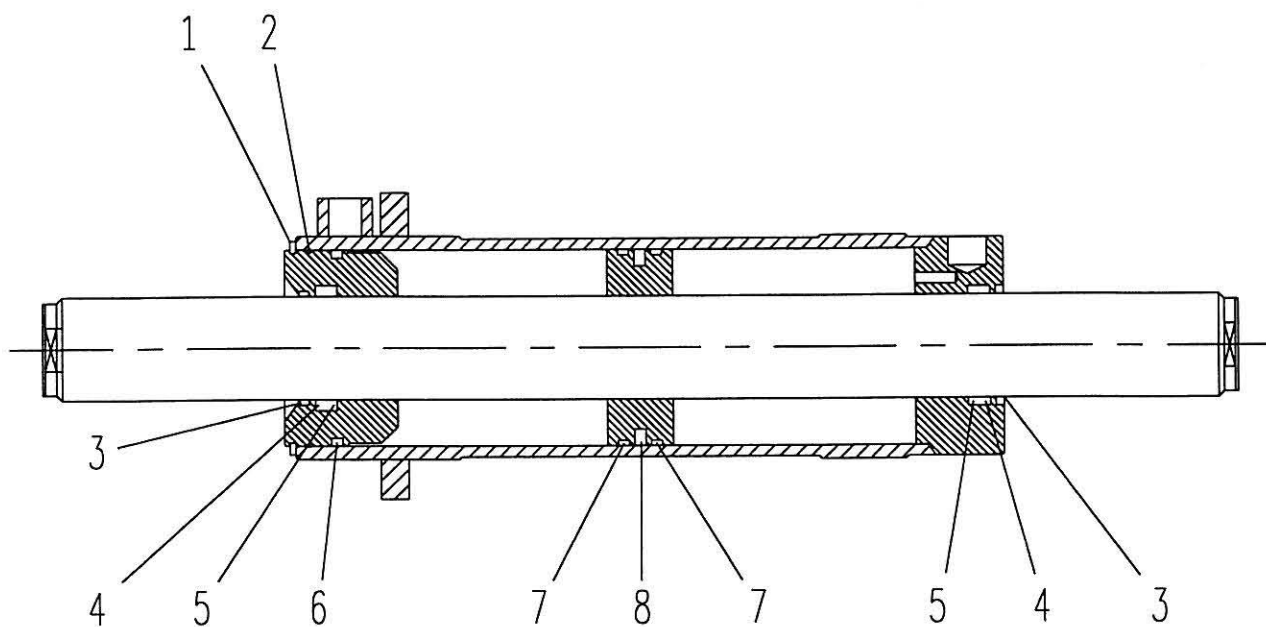


24 35 36 39 OPTIONAL

| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-229-684 | HEXAGON BOLT                 | 4    |
| 2    | 7-229-630 | SPRING WASHER                | 4    |
| 3    | 7-229-631 | COVER                        | 1    |
| 4    | 7-229-632 | SEAL                         | 1    |
| 5    | 7-229-633 | O-RING                       | 1    |
| 6    | 7-229-634 | FRICTION WASHER              | 1    |
| 7    | 7-229-635 | SPRING                       | 4    |
| 8    | 7-229-636 | PISTON                       | 1    |
| 9    |           |                              |      |
| 10   | 7-229-638 | BACK-UP RING                 | 1    |
| 11   | 7-229-639 | O-RING                       | 1    |
| 12   | 7-229-640 | COVER                        | 1    |
| 13   | 7-229-641 | DOWEL                        | 1    |
| 14   | 7-229-642 | BOLT                         | 2    |
| 15   | 7-229-643 | NUT                          | 2    |
| 16   | 7-229-644 | SEAL WASHER                  | 3    |
| 17   | 7-229-645 | BOLT                         | 3    |
| 18   | 7-229-646 | O-RING                       | 1    |
| 19   | 7-229-647 | BACK-UP RING                 | 1    |
| 20   | 7-229-648 | INTERMEDIATE BRAKE DISC      | 12   |
| 21   | 7-229-649 | BRAKE DISC                   | 11   |
| 22   | 7-229-685 | SELECTOR                     | 1    |
| 23   | 7-229-651 | RING                         | 1    |
| 24   |           |                              |      |
| 25   | 7-229-653 | ADAPTOR                      | 1    |
| 26   | 7-229-654 | ADAPTOR                      | 2    |
| 27   | 7-229-655 | ADAPTOR                      | 2    |
| 28   | 7-229-686 | TUBE                         | 1    |
| 29   | 7-229-657 | ADAPTOR                      | 1    |
| 30   | 7-229-687 | SPACER                       | 1    |
| 31   | 7-229-688 | CYLINDER BOLT                | 18   |
| 32   | 7-229-689 | COVER                        | 1    |
| 33   | 7-229-661 | O-RING                       | 1    |
| 34   |           | SHIM / SEE ITEMS 42-45 BELOW |      |
| 35   |           |                              |      |
| 36   |           |                              |      |
| 37   | 7-229-666 | PLUG                         | 1    |
| 38   | 7-229-667 | WASHER                       | 2    |
| 39   | 7-229-668 | SPACER                       | 1    |
| 40   | 7-229-690 | PLUG                         | 1    |
| 41   | 7-229-525 | SEAL WASHER                  | 1    |
| 42   | 7-229-662 | SHIM / 0.10mm                | AR   |
| 43   | 7-229-663 | SHIM / 0.20mm                | AR   |
| 44   | 7-229-664 | SHIM / 0.50mm                | AR   |
| 45   | 7-229-665 | SHIM / 0.15mm                | AR   |



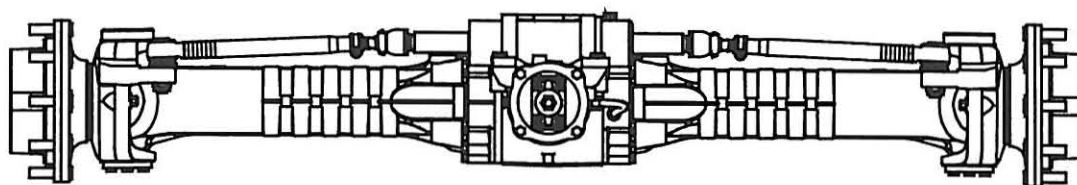
| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 7-229-618 | CYLINDER BOLT                 | 4    |
| 2    |           |                               |      |
| 3    |           |                               |      |
| 4    | 7-229-619 | CYLINDER                      | 1    |
| 5    | 7-229-669 | ARTICULATED TIE ROD / LH & RH | 2    |



| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-511 | SNAP RING            | 1    |
| 2    | 7-229-512 | STOP RING            | 2    |
| 3    | 7-229-513 | WIPER                | 2    |
| 4    | 7-229-514 | SEAL                 | 2    |
| 5    | 7-229-515 | BACK-UP RING         | 2    |
| 6    | 7-229-516 | WEAR RING            | 1    |
| 7    | 7-229-517 | PISTON WEAR RING     | 2    |
| 8    | 7-229-518 | PISTON SEAL          | 1    |
| 9    | 7-900-88  | SEAL KIT (ITEMS 1-8) | 1    |



# FRONT AXLE PARTS BOOK TH636C TH644C TH842C



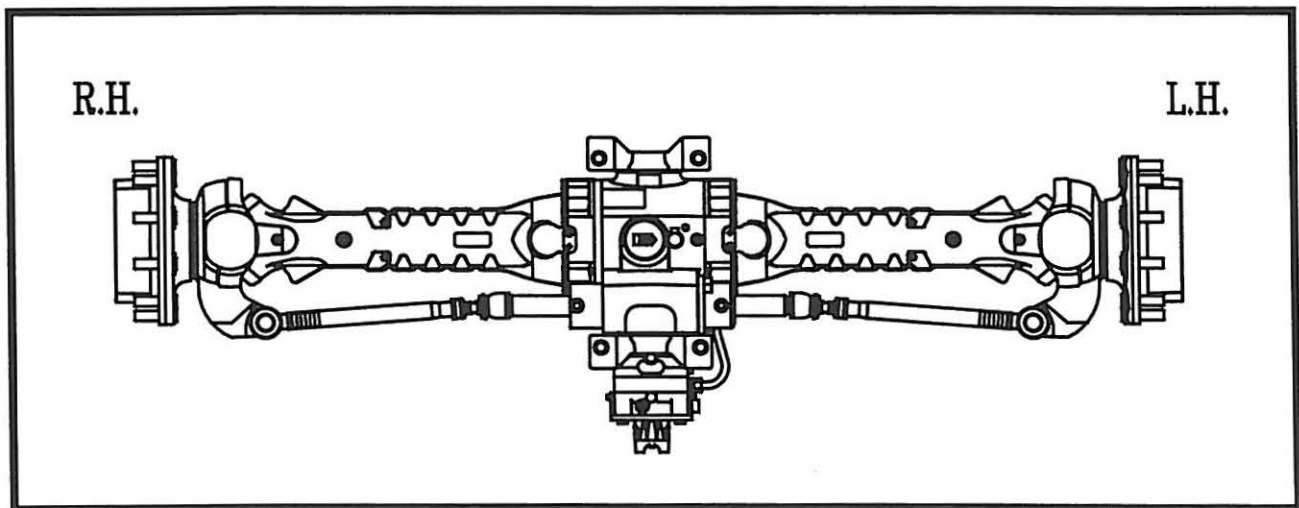
DATE: 11-14-00  
SPICER CLARK-HURTH 212/239 AXLE  
7-229-619 STEERING CYLINDER  
DIFFERENTIAL LOCK

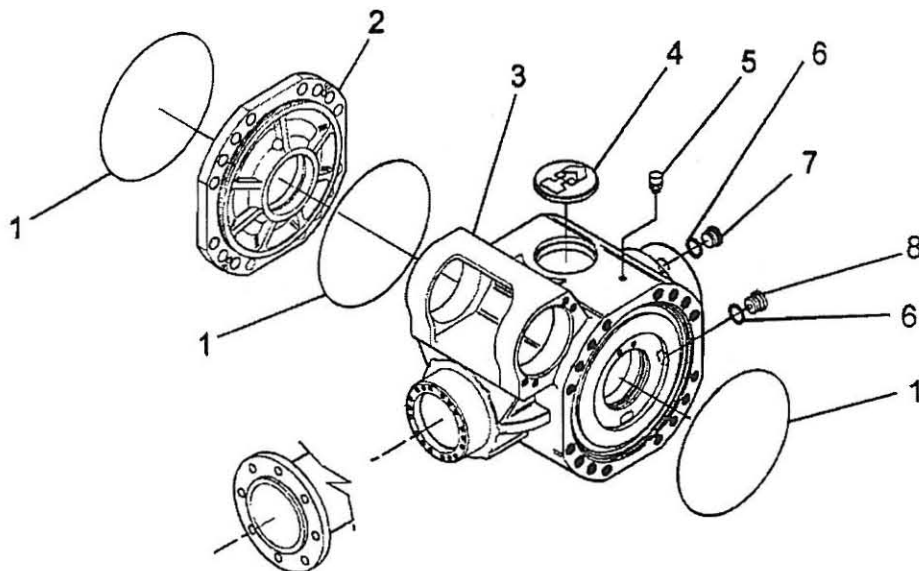
## TEREX HANDLERS

455 N. Superior Ave., Baraga, MI 49908-0248  
PH: (906) 353-6675; FAX: (906) 353-7543  
INTERNET: <http://www.sqshooter.com>

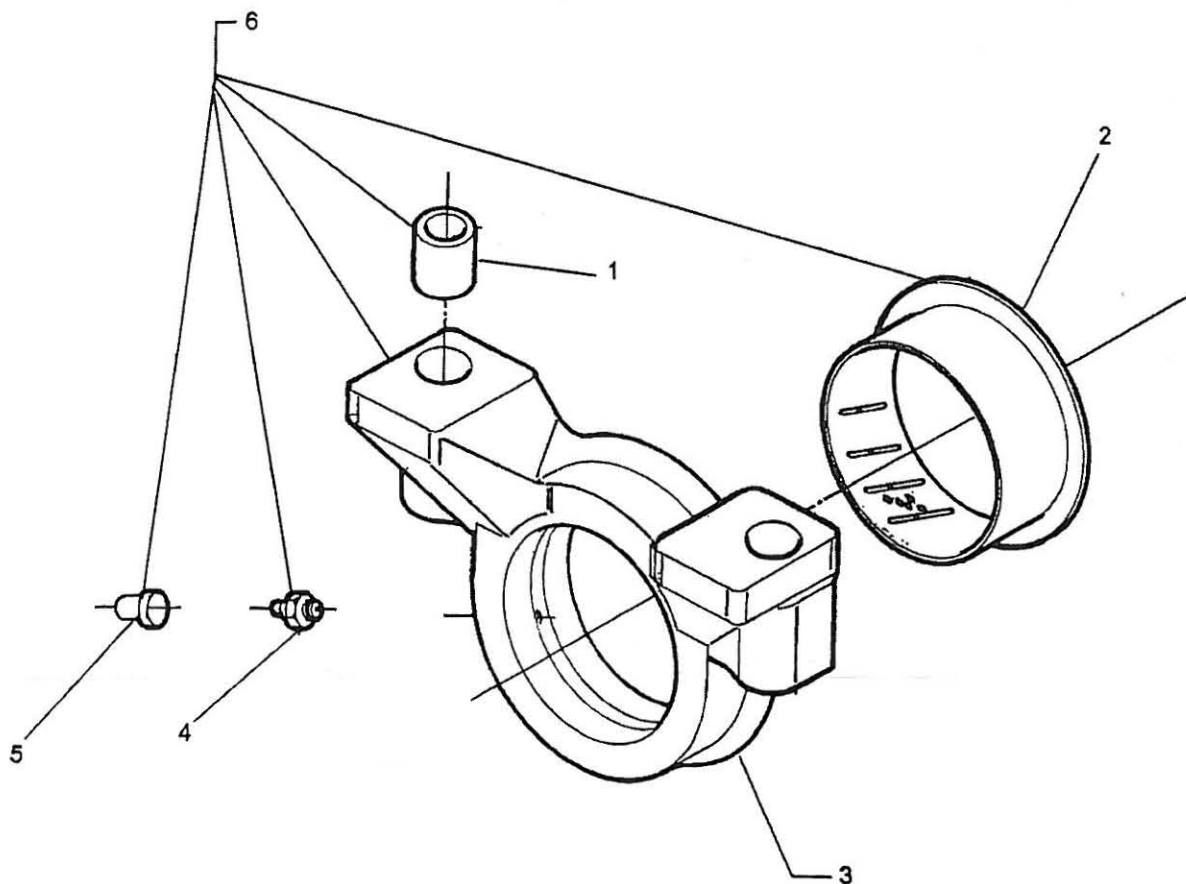
# AXLE PARTS ORDERING GUIDE

WHEN ORDERING FROM THIS BOOK USE THE  
FIGURE BELOW AS A REFERENCE IN DETERMINING  
LEFT OR RIGHT HAND SIDE

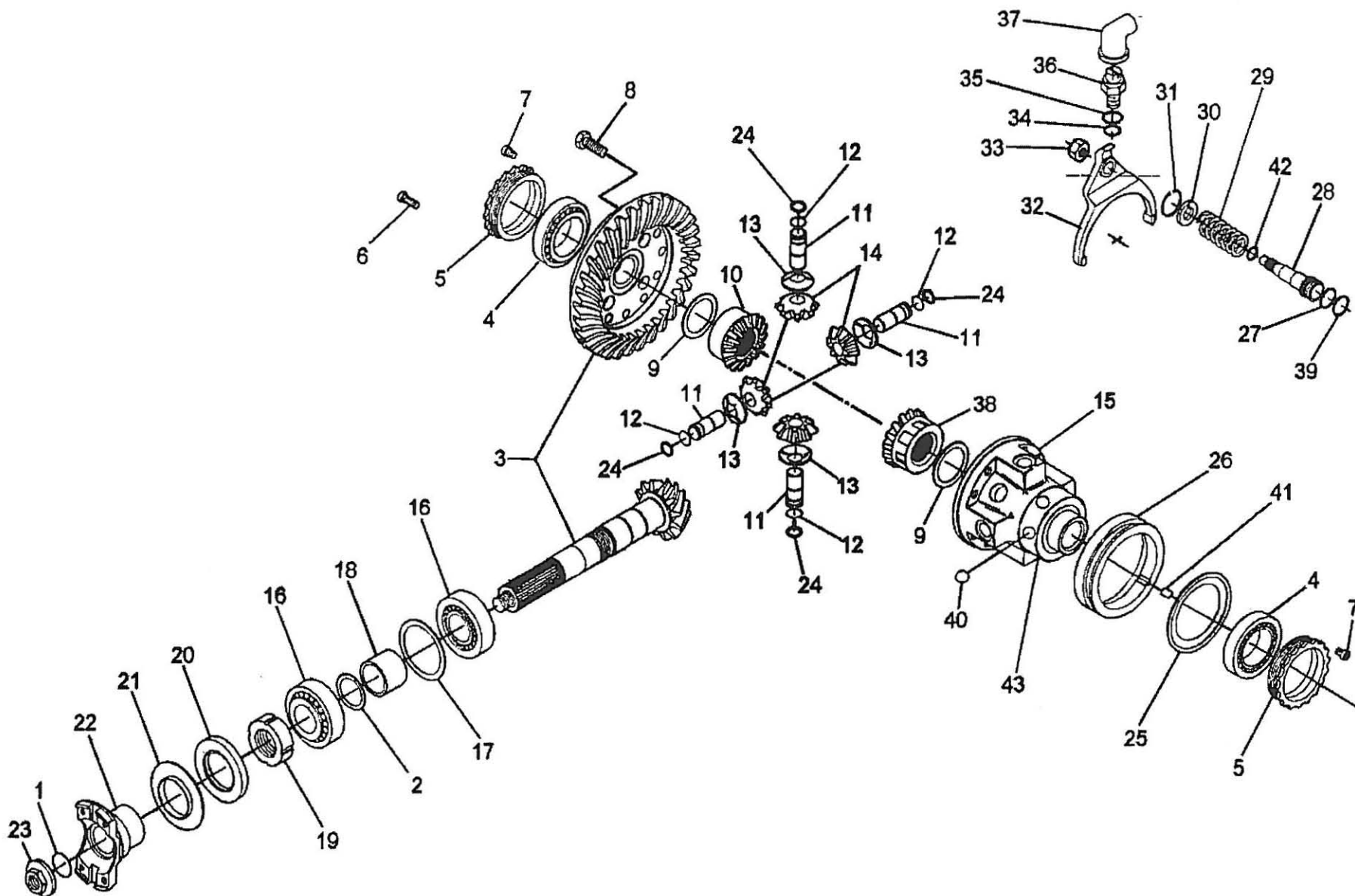




| ITEM | NUMBER    | DESCRIPTION        | REQD |
|------|-----------|--------------------|------|
| 1    | 7-229-520 | O-RING             | 3    |
| 2    | 7-229-521 | INTERMEDIATE COVER | 1    |
| 3    | 7-229-715 | HOUSING            | 1    |
| 4    | 7-229-523 | COVER              | 1    |
| 5    | 7-229-524 | VENT               | 1    |
| 6    | 7-229-525 | SEAL WASHER        | 2    |
| 7    | 7-229-526 | PLUG               | 1    |
| 8    | 7-229-527 | MAGNETIC PLUG      | 1    |



| ITEM | NUMBER    | DESCRIPTION                        | REQD |
|------|-----------|------------------------------------|------|
| 1    | 7-229-620 | REDUCTION BUSHING                  | 4    |
| 2    | 7-229-621 | THRUST BUSHING                     | 2    |
| 3    | 7-229-622 | SUPPORT                            | 2    |
| 4    | 7-229-572 | GREASE FITTING                     | 2    |
| 5    | 7-229-571 | PLUG                               | 2    |
| 6    | 7-229-735 | SUPPORT ASSEMBLY (INCL. ITEMS 1-5) | 2    |



Position Kit N° 43 = 9+10+11+12+13+14+15+24+38

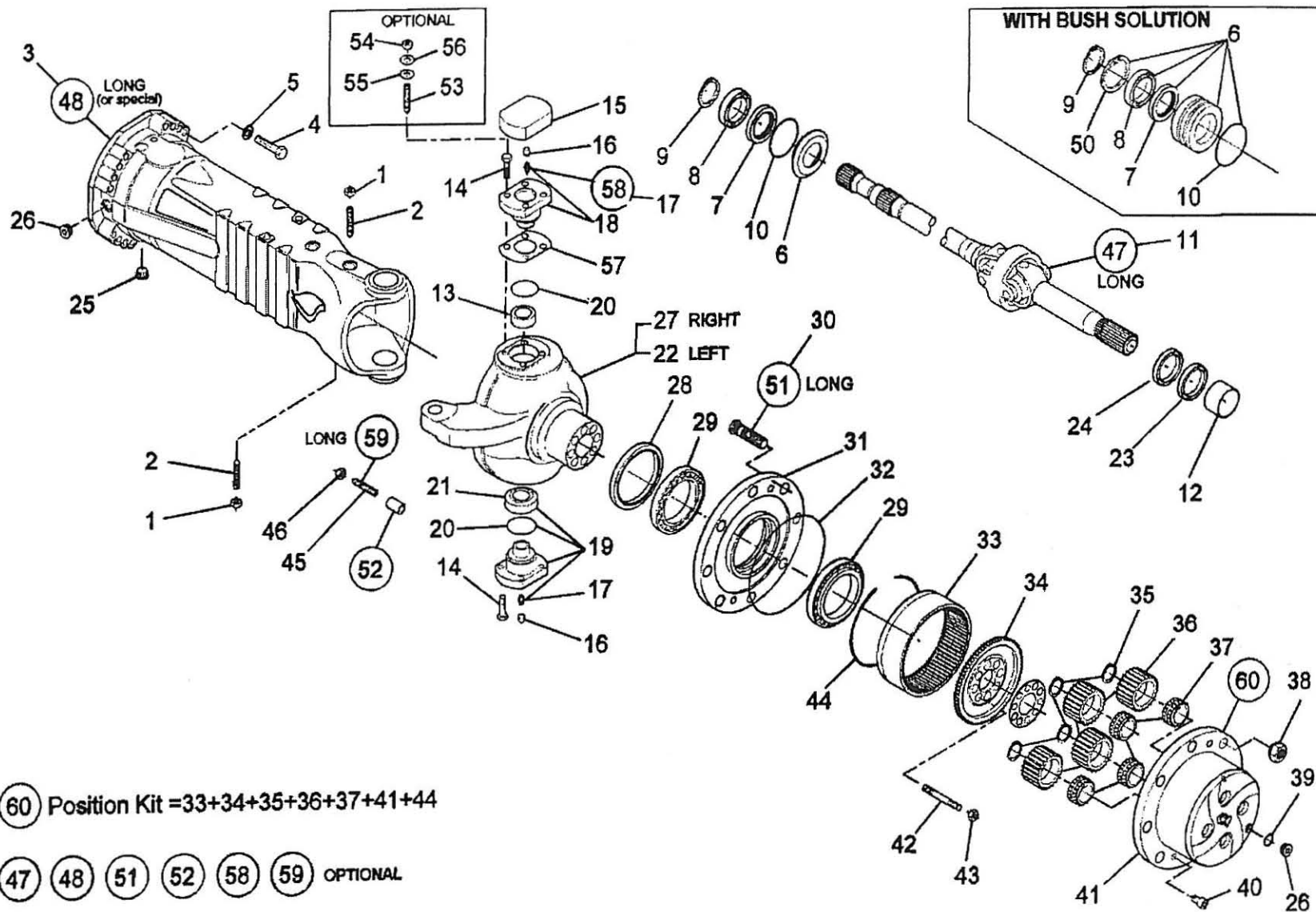
| ITEM | NUMBER    | DESCRIPTION                                | REQD |
|------|-----------|--------------------------------------------|------|
| 1    | 7-229-528 | O-RING                                     | 1    |
| 2    |           | SHIM / SEE ITEMS 44-48 BELOW               |      |
| 3    | 7-229-676 | BEVEL GEAR SET                             | 1    |
| 4    | 7-229-535 | TAPER ROLLER BEARING                       | 2    |
| 5    | 7-229-536 | RING NUT                                   | 2    |
| 6    | 7-229-537 | CYLINDER BOLT                              | 4    |
| 7    | 7-229-538 | CYLINDER BOLT                              | 2    |
| 8    | 7-229-691 | BOLT                                       | 12   |
| 9    | 7-229-540 | FRICTION WASHER                            | 2    |
| 10   | 7-229-541 | DIFFERENTIAL SIDE GEAR                     | 1    |
| 11   | 7-229-542 | PIN                                        | 4    |
| 12   | 7-229-543 | CIRCLIP                                    | 4    |
| 13   | 7-229-544 | FRICTION WASHER                            | 4    |
| 14   | 7-229-545 | DIFFERENTIAL PINION                        | 4    |
| 15   | 7-229-716 | DIFFERENTIAL CARRIER                       | 1    |
| 16   | 7-229-547 | TAPER ROLLER BEARING                       | 2    |
| 17   |           | SHIM / SEE ITEMS 49-52 BELOW               |      |
| 18   | 7-229-549 | SPACER                                     | 1    |
| 19   | 7-229-550 | RING NUT                                   | 1    |
| 20   |           |                                            |      |
| 21   |           |                                            |      |
| 22   | 7-229-553 | FLANGE                                     | 1    |
| 23   | 7-229-554 | NUT                                        | 1    |
| 24   | 7-229-555 | CIRCLIP                                    | 4    |
| 25   | 7-229-717 | SHEET                                      | 1    |
| 26   | 7-229-718 | SELECTOR                                   | 1    |
| 27   | 7-229-719 | O-RING                                     | 1    |
| 28   | 7-229-720 | PISTON                                     | 1    |
| 29   | 7-229-721 | SPRING                                     | 1    |
| 30   | 7-229-722 | PLUG                                       | 1    |
| 31   | 7-229-723 | CIRCLIP                                    | 1    |
| 32   | 7-229-724 | SELECTOR FORK                              | 1    |
| 33   | 7-229-725 | NUT                                        | 1    |
| 34   | 7-229-726 | O-RING                                     | 1    |
| 35   | 7-229-727 | SEAL WASHER                                | 1    |
| 36   | 7-229-728 | SECURITY SWITCH                            | 1    |
| 37   | 7-229-729 | BOOT                                       | 1    |
| 38   | 7-229-541 | DIFFERENTIAL SIDE GEAR                     | 1    |
| 39   | 7-229-730 | RING                                       | 1    |
| 40   | 7-229-731 | DETENT BALL                                | 6    |
| 41   | 7-229-732 | KEY                                        | 1    |
| 42   | 7-229-733 | CIRCLIP                                    | 1    |
| 43   | 7-229-734 | DIFFERENTIAL ASSY (INCL. ITEMS 9-15,24,38) | 1    |
| 44   | 7-229-529 | SHIM / 0.10mm                              | AR   |
| 45   | 7-229-530 | SHIM / 0.15mm                              | AR   |
| 46   | 7-229-531 | SHIM / 0.20mm                              | AR   |
| 47   | 7-229-532 | SHIM / 0.40mm                              | AR   |
| 48   | 7-229-533 | SHIM / 0.50mm                              | AR   |
| 49   | 7-229-548 | SHIM / 0.20mm                              | AR   |
| 50   | 7-229-557 | SHIM / 0.30mm                              | AR   |
| 51   | 7-229-558 | SHIM / 0.15mm                              | AR   |
| 52   | 7-229-559 | SHIM / 0.10mm                              | AR   |

DRAWING  
NUMBER

P1-1396

DIFFERENTIAL ASSEMBLY  
SS-842C FRONT AXLE

PAGE  
NUMBER 3A



| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-623 | NUT                  | 2    |
| 2    | 7-229-624 | STEERING ADJUST BOLT | 2    |
| 3    | 7-229-677 | AXLE CASE            | 2    |
| 4    | 7-229-560 | BOLT                 | 32   |
| 5    | 7-229-561 | WASHER               | 32   |
| 6    | 7-229-562 | REDUCTION BUSHING    | 2    |
| 7    | 7-229-563 | SEAL                 | 2    |
| 8    | 7-229-564 | BALL BEARING         | 2    |
| 9    | 7-229-565 | CIRCLIP              | 2    |
| 10   | 7-229-566 | O-RING               | 2    |
| 11   | 7-229-567 | UNIVERSAL JOINT      | 2    |
| 12   | 7-229-568 | THRUST BUSHING       | 2    |
| 13   | 7-229-569 | OUTER RACE           | 2    |
| 14   | 7-229-539 | BOLT                 | 20   |
| 15   | 7-229-570 | COVER                | 2    |
| 16   | 7-229-571 | PLUG                 | 4    |
| 17   | 7-229-572 | GREASE FITTING       | 2    |
| 18   | 7-229-573 | PIVOT PIN            | 2    |
| 19   | 7-229-574 | PIVOT PIN            | 2    |
| 20   | 7-229-575 | SEAL                 | 2    |
| 21   | 7-229-576 | ARTICULATION         | 2    |
| 22   | 7-229-678 | STEERING CASE / LH   | 1    |
| 23   | 7-229-578 | SEAL                 | 2    |
| 24   | 7-229-579 | DUST EXCLUDER        | 2    |
| 25   | 7-229-580 | MAGNET PLUG          | 2    |
| 26   | 7-229-526 | PLUG                 | 3    |
| 27   | 7-229-679 | STEERING CASE / RH   | 1    |
| 28   | 7-229-582 | SEAL                 | 2    |
| 29   | 7-229-583 | BEARING              | 20   |
| 30   | 7-229-692 | WHEEL STUD           | 20   |
| 31   | 7-229-680 | WHEEL HUB            | 2    |
| 32   | 7-229-586 | O-RING               | 2    |
| 33   | 7-229-587 | RING GEAR            | 2    |
| 34   | 7-229-588 | RING GEAR SUPPORT    | 2    |
| 35   | 7-229-589 | CIRCLIP              | 8    |
| 36   | 7-229-590 | PLANET GEAR          | 8    |
| 37   | 7-229-591 | BEARING              | 8    |
| 38   | 7-229-592 | WHEEL NUT            | 20   |
| 39   | 7-229-525 | SEAL WASHER          | 5    |
| 40   | 7-229-681 | COUNTERSUNK BOLT     | 4    |
| 41   | 7-229-682 | PLANET GEAR CARRIER  | 2    |
| 42   | 7-229-595 | STUD                 | 16   |
| 43   | 7-229-596 | NUT                  | 16   |
| 44   | 7-229-597 | CIRCLIP              | 2    |
| 45   | 7-229-598 | ADJUSTING BOLT       | 2    |
| 46   | 7-229-599 | NUT                  | 2    |
| 47   |           |                      |      |
| 48   |           |                      |      |
| 49   | 7-229-600 | LOCKING PLATE        | 2    |
| 50   | 7-229-601 | CIRCLIP              | 2    |

| ITEM | NUMBER | DESCRIPTION | REQD |
|------|--------|-------------|------|
|------|--------|-------------|------|

51

52

53

54

55

56

57

SHIM / SEE ITEMS 61-63 BELOW

58

59

60 7-229-683

PLANET GEAR CARRIER ASSY(ITEMS 33-37,41,44) 2

61 7-229-602

SHIM / 0.15mm

AR

62 7-229-603

SHIM / 0.20mm

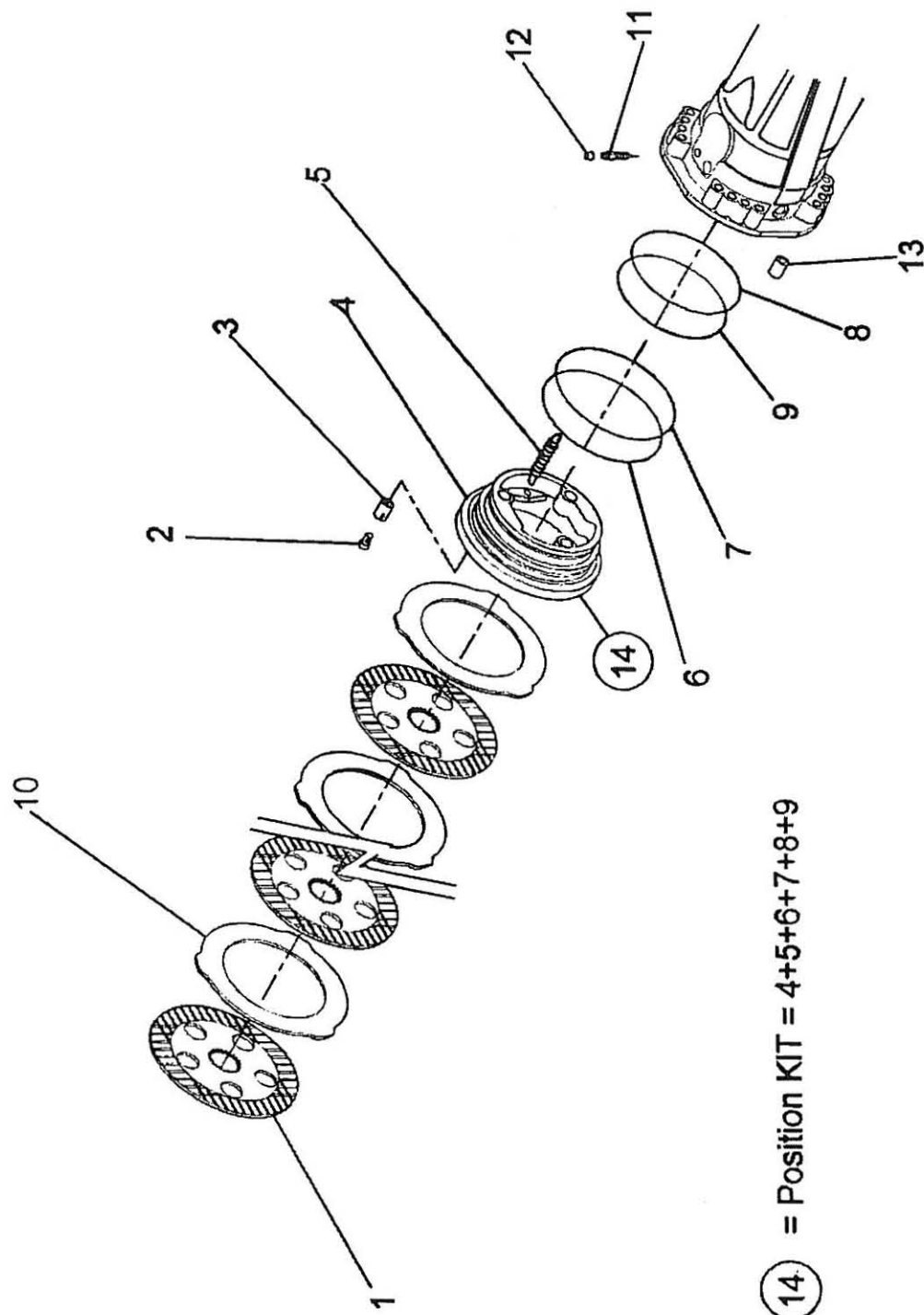
AR

63 7-229-604

SHIM / 0.50mm

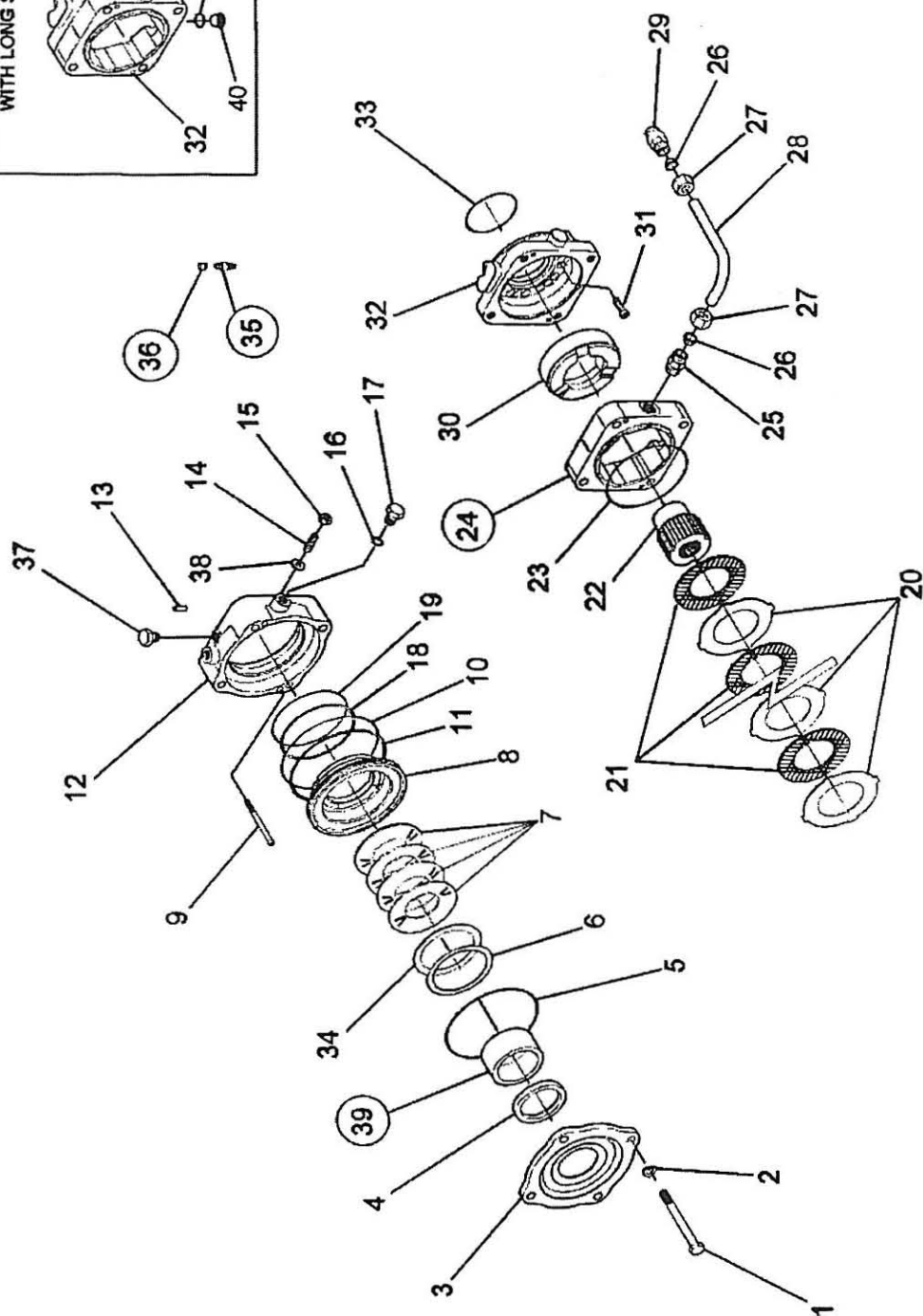
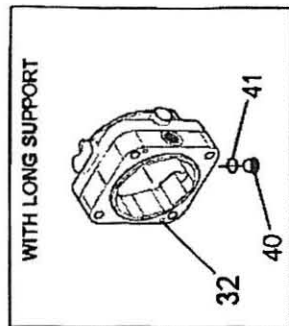
AR

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



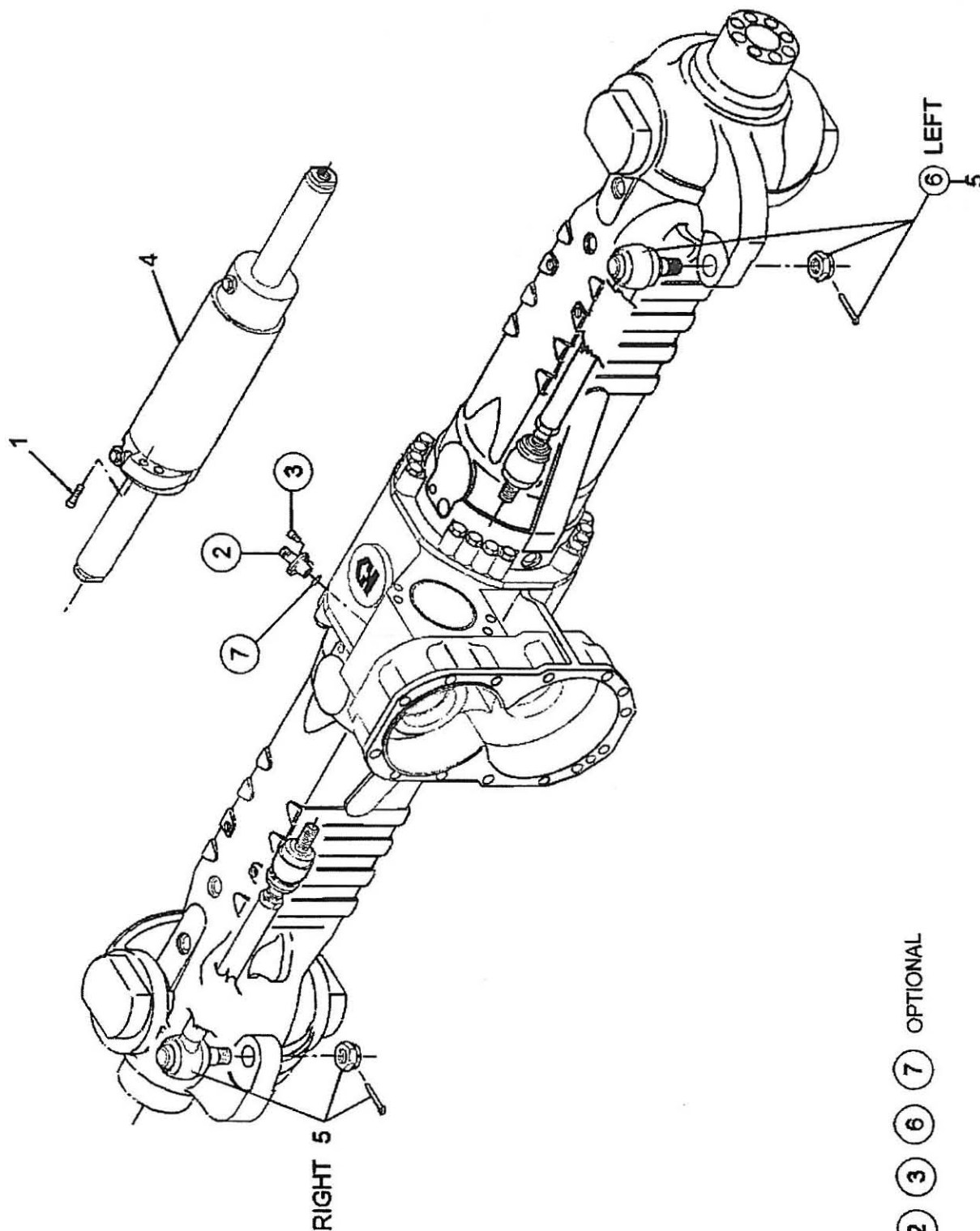
⑭ = Position KIT = 4+5+6+7+8+9

| ITEM | NUMBER    | DESCRIPTION             | REQD |
|------|-----------|-------------------------|------|
| 1    | 7-229-605 | BRAKE DISC              | 6    |
| 2    | 7-229-606 | ADJUSTING BOLT          | 6    |
| 3    | 7-229-607 | SPRING                  | 6    |
| 4    | 7-229-608 | PISTON                  | 2    |
| 5    | 7-229-609 | SPRING                  | 6    |
| 6    | 7-229-610 | BACK-UP RING            | 2    |
| 7    | 7-229-611 | O-RING                  | 2    |
| 8    | 7-229-612 | BACK-UP RING            | 2    |
| 9    | 7-229-613 | O-RING                  | 2    |
| 10   | 7-229-614 | INTERMEDIATE BRAKE DISC | 8    |
| 11   | 7-229-615 | BLEEDING BOLT           | 2    |
| 12   | 7-229-571 | PLUG                    | 2    |
| 13   | 7-229-616 | DOWEL                   | 2    |
| 14   | 7-229-617 | PISTON                  | 2    |



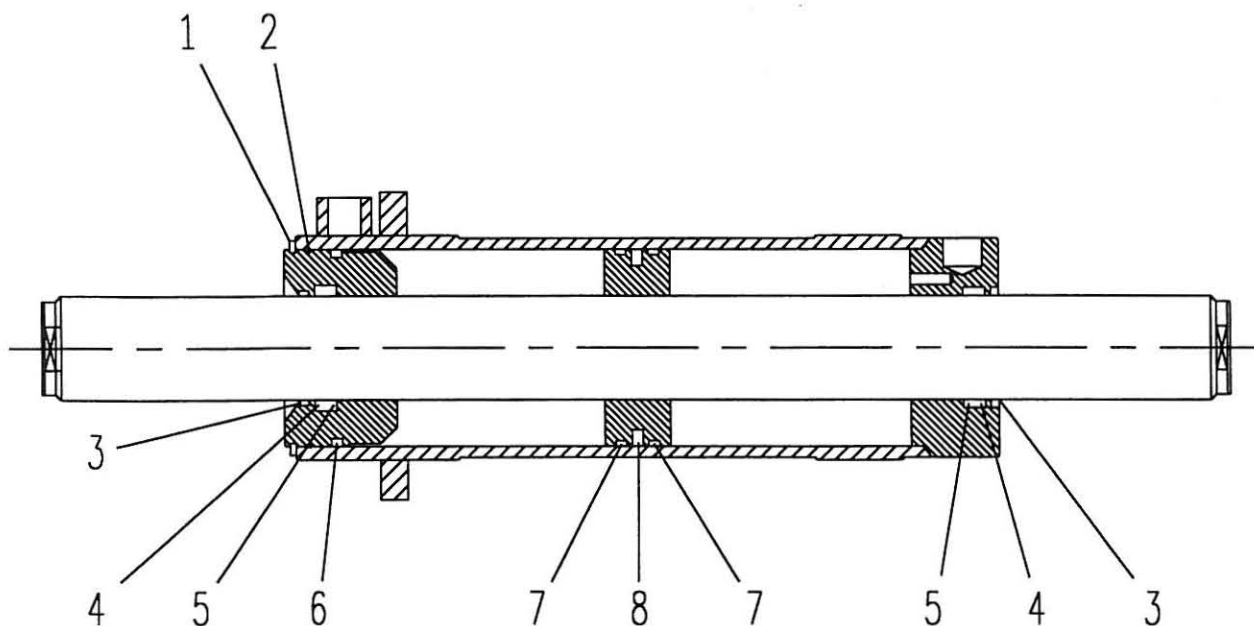
24 35 36 39 OPTIONAL

| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-229-684 | HEXAGON BOLT                 | 4    |
| 2    | 7-229-630 | SPRING WASHER                | 4    |
| 3    | 7-229-631 | COVER                        | 1    |
| 4    | 7-229-632 | SEAL                         | 1    |
| 5    | 7-229-633 | O-RING                       | 1    |
| 6    | 7-229-634 | FRICTION WASHER              | 1    |
| 7    | 7-229-635 | SPRING                       | 4    |
| 8    | 7-229-636 | PISTON                       | 1    |
| 9    |           |                              |      |
| 10   | 7-229-638 | BACK-UP RING                 | 1    |
| 11   | 7-229-639 | O-RING                       | 1    |
| 12   | 7-229-640 | COVER                        | 1    |
| 13   | 7-229-641 | DOWEL                        | 1    |
| 14   | 7-229-642 | BOLT                         | 2    |
| 15   | 7-229-643 | NUT                          | 2    |
| 16   | 7-229-644 | SEAL WASHER                  | 3    |
| 17   | 7-229-645 | BOLT                         | 3    |
| 18   | 7-229-646 | O-RING                       | 1    |
| 19   | 7-229-647 | BACK-UP RING                 | 1    |
| 20   | 7-229-648 | INTERMEDIATE BRAKE DISC      | 12   |
| 21   | 7-229-649 | BRAKE DISC                   | 11   |
| 22   | 7-229-685 | SELECTOR                     | 1    |
| 23   | 7-229-651 | RING                         | 1    |
| 24   |           |                              |      |
| 25   | 7-229-653 | ADAPTOR                      | 1    |
| 26   | 7-229-654 | ADAPTOR                      | 2    |
| 27   | 7-229-655 | ADAPTOR                      | 2    |
| 28   | 7-229-686 | TUBE                         | 1    |
| 29   | 7-229-657 | ADAPTOR                      | 1    |
| 30   | 7-229-687 | SPACER                       | 1    |
| 31   | 7-229-688 | CYLINDER BOLT                | 18   |
| 32   | 7-229-689 | COVER                        | 1    |
| 33   | 7-229-661 | O-RING                       | 1    |
| 34   |           | SHIM / SEE ITEMS 42-45 BELOW |      |
| 35   |           |                              |      |
| 36   |           |                              |      |
| 37   | 7-229-666 | PLUG                         | 1    |
| 38   | 7-229-667 | WASHER                       | 2    |
| 39   | 7-229-668 | SPACER                       | 1    |
| 40   | 7-229-690 | PLUG                         | 1    |
| 41   | 7-229-525 | SEAL WASHER                  | 1    |
| 42   | 7-229-662 | SHIM / 0.10mm                | AR   |
| 43   | 7-229-663 | SHIM / 0.20mm                | AR   |
| 44   | 7-229-664 | SHIM / 0.50mm                | AR   |
| 45   | 7-229-665 | SHIM / 0.15mm                | AR   |



2 3 6 7  
 OPTIONAL

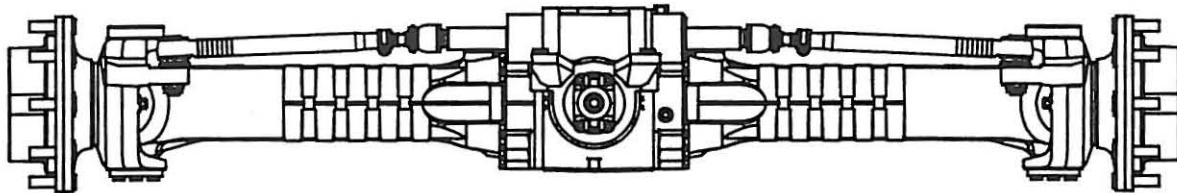
| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 7-229-618 | CYLINDER BOLT                 | 4    |
| 2    |           |                               |      |
| 3    |           |                               |      |
| 4    | 7-229-619 | CYLINDER                      | 1    |
| 5    | 7-229-669 | ARTICULATED TIE ROD / LH & RH | 2    |



| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-511 | SNAP RING            | 1    |
| 2    | 7-229-512 | STOP RING            | 2    |
| 3    | 7-229-513 | WIPER                | 2    |
| 4    | 7-229-514 | SEAL                 | 2    |
| 5    | 7-229-515 | BACK-UP RING         | 2    |
| 6    | 7-229-516 | WEAR RING            | 1    |
| 7    | 7-229-517 | PISTON WEAR RING     | 2    |
| 8    | 7-229-518 | PISTON SEAL          | 1    |
| 9    | 7-900-88  | SEAL KIT (ITEMS 1-8) | 1    |



REAR AXLE  
PARTS BOOK  
TH636C TH644C TH842C

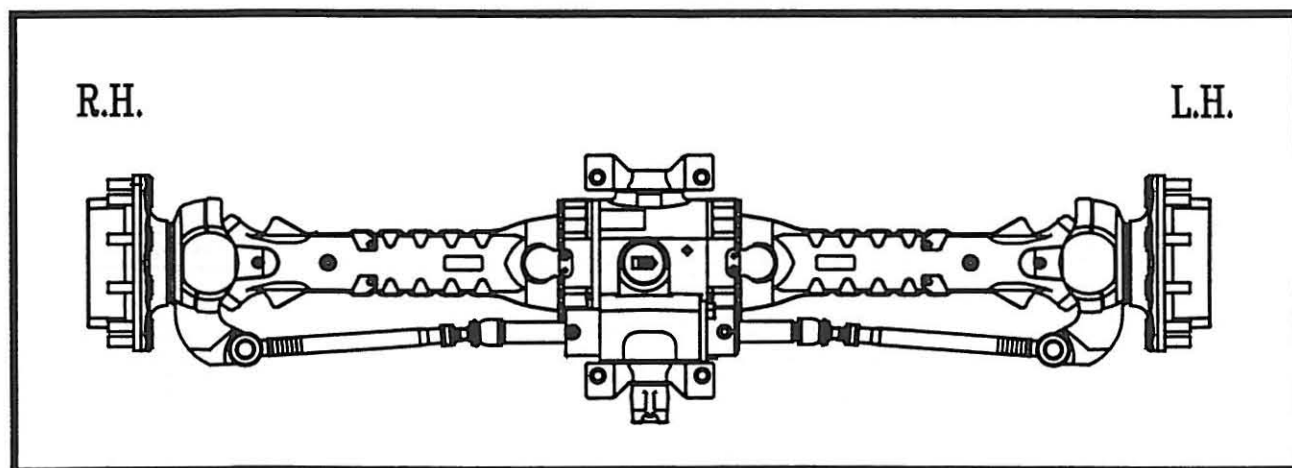


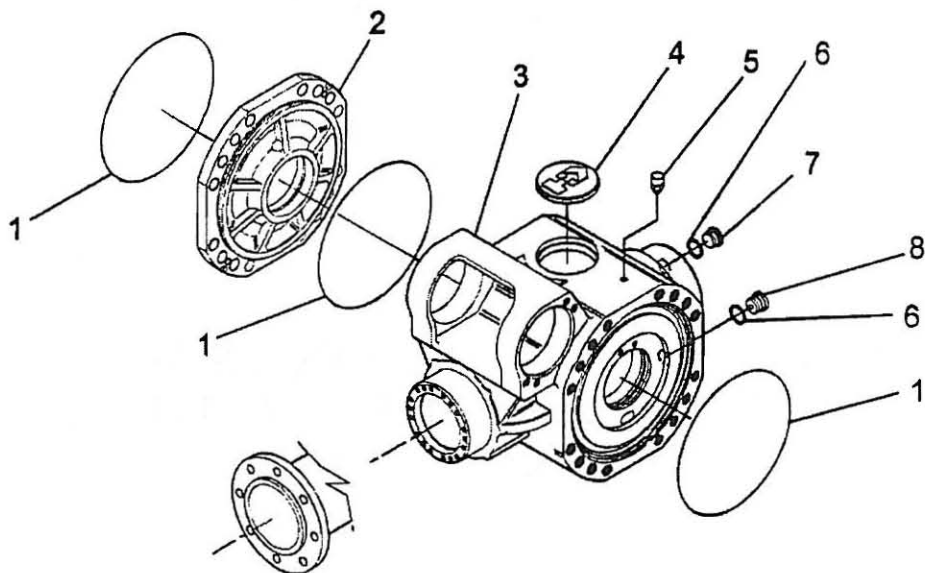
DATE: 9-7-99  
SPICER CLARK-HURTH 212/184 AXLE  
7-229-619 STEERING CYLINDER

TEREX HANDLERS  
455 N. Superior Ave., Baraga, MI 49908-0248  
PH: (906) 353-6675; FAX: (906) 353-7543  
INTERNET: <http://www.sqshooter.com>

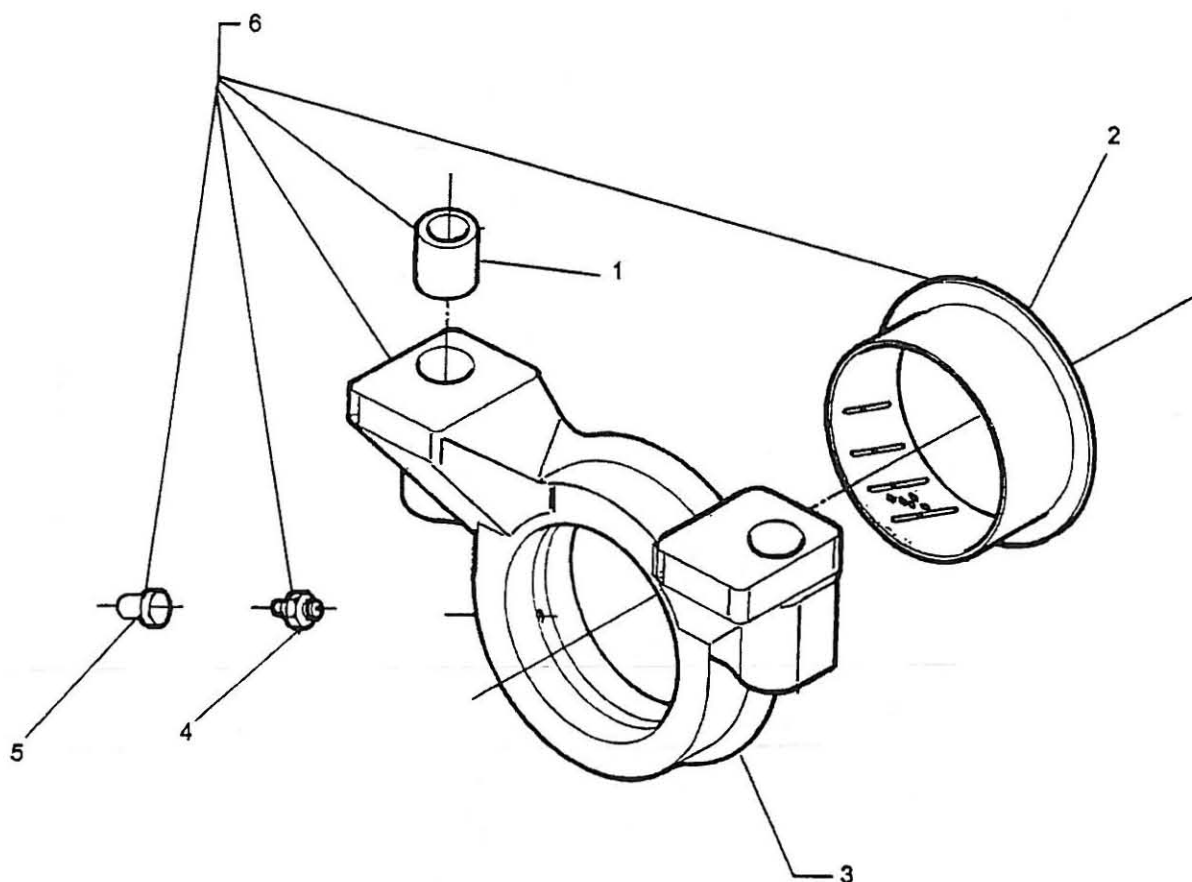
# AXLE PARTS ORDERING GUIDE

WHEN ORDERING FROM THIS BOOK USE THE  
FIGURE BELOW AS A REFERENCE IN DETERMINING  
LEFT OR RIGHT HAND SIDE

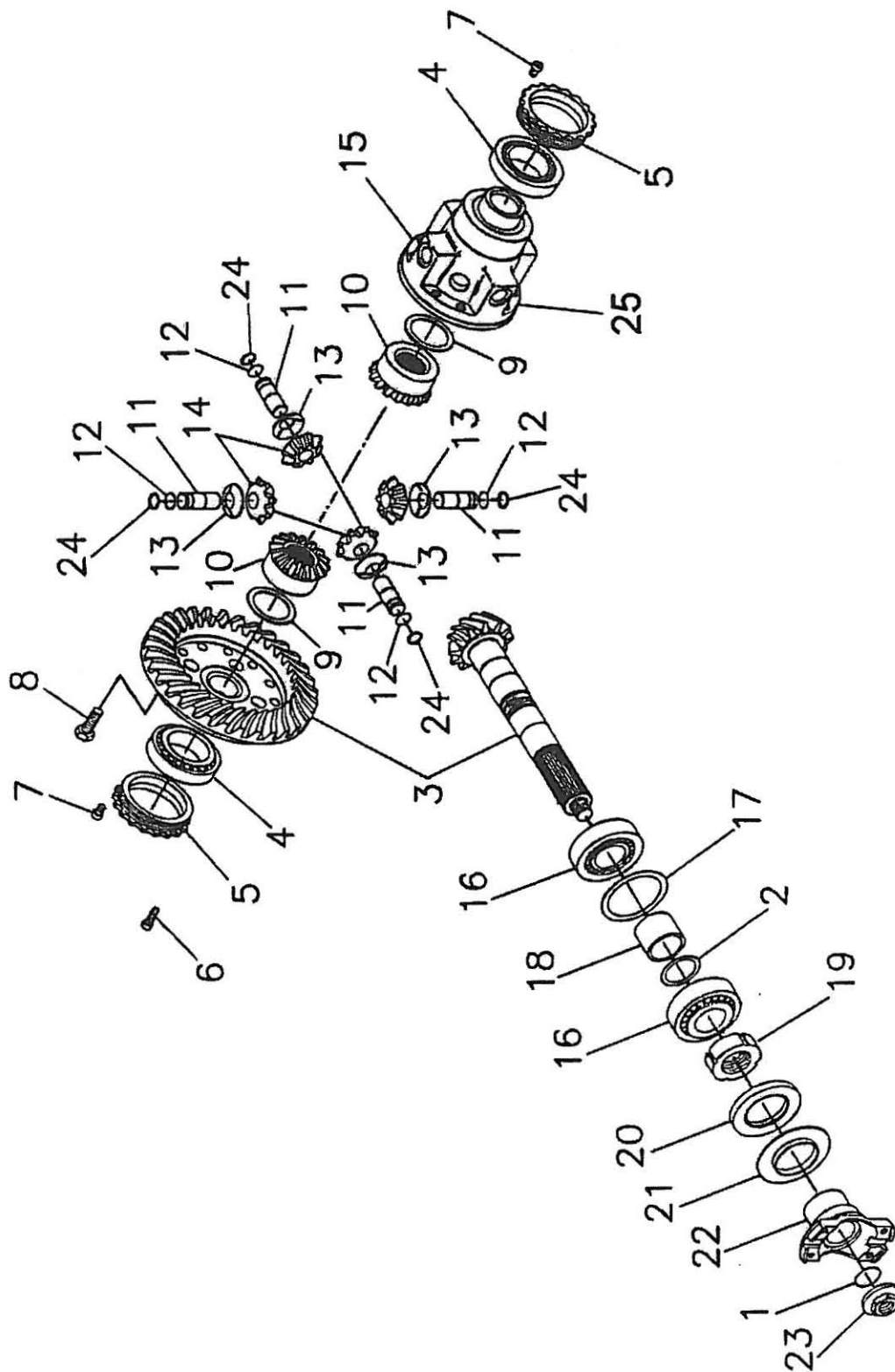




| ITEM | NUMBER    | DESCRIPTION        | REQD |
|------|-----------|--------------------|------|
| 1    | 7-229-520 | O-RING             | 3    |
| 2    | 7-229-521 | INTERMEDIATE COVER | 1    |
| 3    | 7-229-522 | HOUSING            | 1    |
| 4    | 7-229-523 | PLUG               | 1    |
| 5    | 7-229-524 | VENT               | 1    |
| 6    | 7-229-525 | SEAL WASHER        | 2    |
| 7    | 7-229-526 | PLUG               | 1    |
| 8    | 7-229-527 | MAGNETIC PLUG      | 1    |

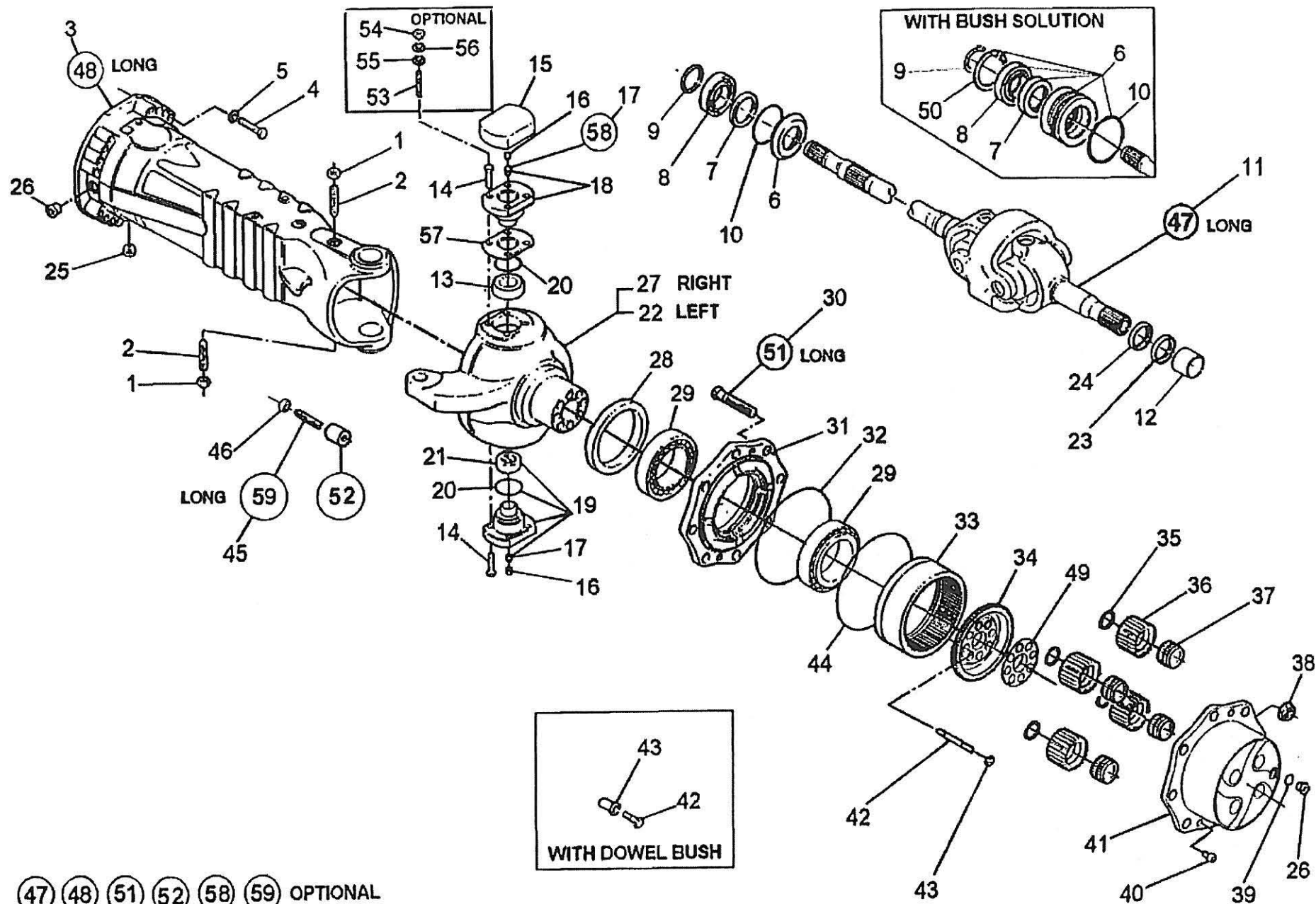


| ITEM | NUMBER    | DESCRIPTION                        | REQD |
|------|-----------|------------------------------------|------|
| 1    | 7-229-620 | REDUCTION BUSHING                  | 4    |
| 2    | 7-229-621 | THRUST BUSHING                     | 2    |
| 3    | 7-229-622 | SUPPORT                            | 2    |
| 4    | 7-229-572 | GREASE FITTING                     | 2    |
| 5    | 7-229-571 | PLUG                               | 2    |
| 6    | 7-229-735 | SUPPORT ASSEMBLY (INCL. ITEMS 1-5) | 2    |



Position Kit N° 25 = 9+10+11+12+13+14+15+24

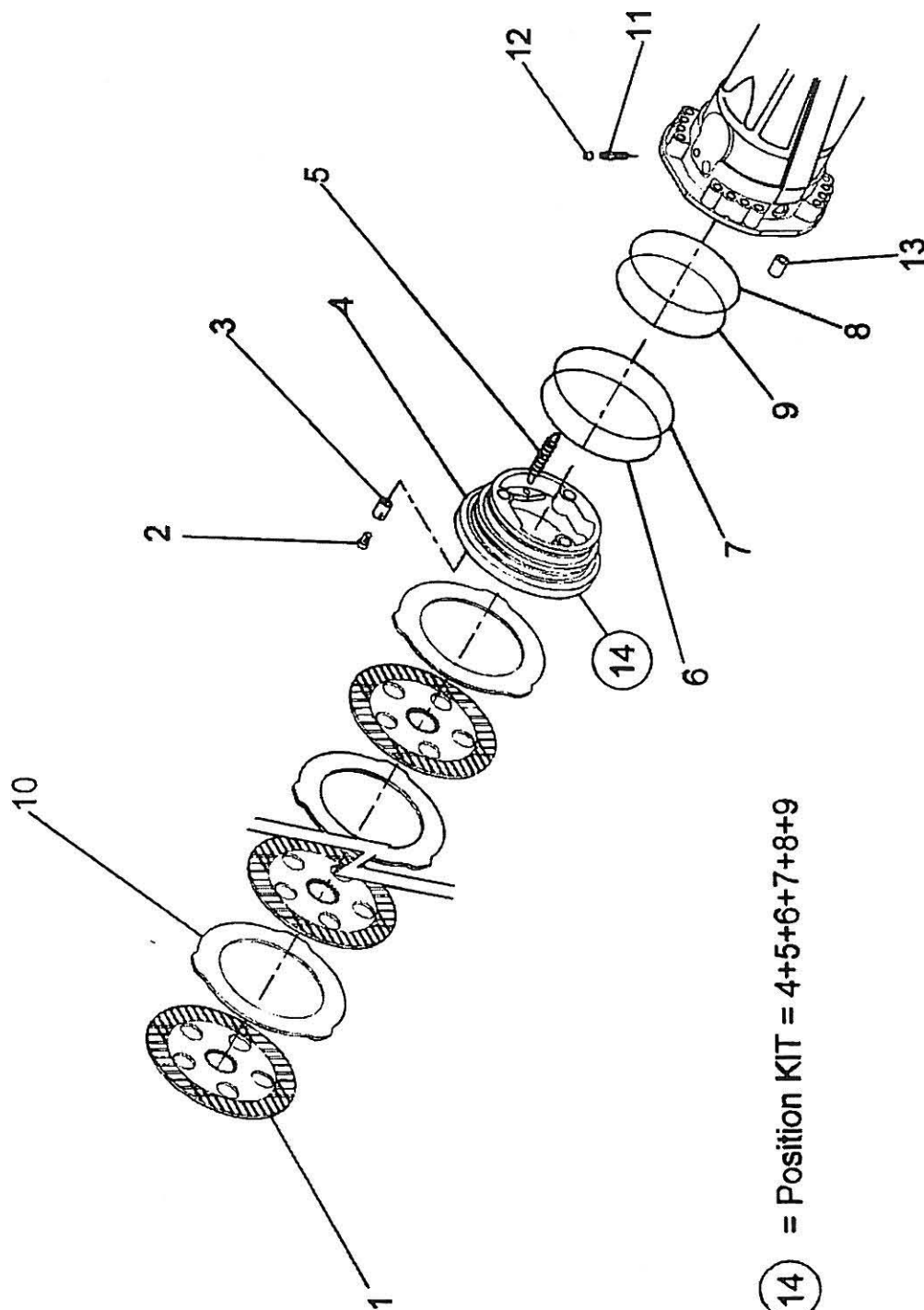
| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-229-528 | O-RING                       | 1    |
| 2    |           | SHIM / SEE ITEMS 26-30 BELOW |      |
| 3    | 7-229-534 | BEVEL GEAR SET               | 1    |
| 4    | 7-229-535 | TAPER ROLLER BEARINGS        | 2    |
| 5    | 7-229-536 | RING NUT                     | 2    |
| 6    | 7-229-537 | CYLINDER BOLT                | 4    |
| 7    | 7-229-538 | CYLINDER BOLT                | 2    |
| 8    | 7-229-539 | BOLT                         | 12   |
| 9    | 7-229-540 | FRICTION WASHER              | 2    |
| 10   | 7-229-541 | DIFFERENTIAL SIDE GEAR       | 2    |
| 11   | 7-229-542 | PIN                          | 4    |
| 12   | 7-229-543 | CIRCLIP                      | 4    |
| 13   | 7-229-544 | FRICTION WASHER              | 4    |
| 14   | 7-229-545 | DIFFERENTIAL PINION          | 4    |
| 15   | 7-229-546 | DIFFERENTIAL CARRIER         | 1    |
| 16   | 7-229-547 | TAPER ROLLER BEARING         | 2    |
| 17   |           | SHIM / SEE ITEMS 31-34 BELOW |      |
| 18   | 7-229-549 | SPACER                       | 1    |
| 19   | 7-229-550 | RING NUT                     | 1    |
| 20   | 7-229-551 | SEAL                         | 1    |
| 21   | 7-229-552 | COVERPLATE                   | 1    |
| 22   | 7-229-553 | FLANGE                       | 1    |
| 23   | 7-229-554 | NUT                          | 1    |
| 24   | 7-229-555 | CIRCLIP                      | 4    |
| 25   | 7-229-556 | DIFFERENTIAL (ITEMS 9-15,24) | 1    |
| 26   | 7-229-529 | SHIM / 0.10mm                | AR   |
| 27   | 7-229-530 | SHIM / 0.15mm                | AR   |
| 28   | 7-229-531 | SHIM / 0.20mm                | AR   |
| 29   | 7-229-532 | SHIM / 0.40mm                | AR   |
| 30   | 7-229-533 | SHIM / 0.50mm                | AR   |
| 31   | 7-229-548 | SHIM / 0.20mm                | AR   |
| 32   | 7-229-557 | SHIM / 0.30mm                | AR   |
| 33   | 7-229-558 | SHIM / 0.15mm                | AR   |
| 34   | 7-229-559 | SHIM / 0.10mm                | AR   |



| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-623 | NUT                  | 2    |
| 2    | 7-229-624 | STEERING ADJUST BOLT | 2    |
| 3    | 7-229-625 | AXLE CASE            | 2    |
| 4    | 7-229-560 | BOLT                 | 32   |
| 5    | 7-229-561 | WASHER               | 32   |
| 6    | 7-229-562 | REDUCTION BUSHING    | 2    |
| 7    | 7-229-563 | SEAL                 | 2    |
| 8    | 7-229-564 | BALL BEARING         | 2    |
| 9    | 7-229-565 | CIRCLIP              | 2    |
| 10   | 7-229-566 | O-RING               | 2    |
| 11   | 7-229-567 | UNIVERSAL JOINT      | 2    |
| 12   | 7-229-568 | THRUST BUSHING       | 2    |
| 13   | 7-229-569 | OUTER RACE           | 2    |
| 14   | 7-229-539 | BOLT                 | 20   |
| 15   | 7-229-570 | COVER                | 2    |
| 16   | 7-229-571 | PLUG                 | 4    |
| 17   | 7-229-572 | GREASE FITTING       | 2    |
| 18   | 7-229-573 | PIVOT PIN            | 2    |
| 19   | 7-229-574 | PIVOT PIN            | 2    |
| 20   | 7-229-575 | SEAL                 | 2    |
| 21   | 7-229-576 | ARTICULATION         | 2    |
| 22   | 7-229-577 | STEERING CASE / LH   | 1    |
| 23   | 7-229-578 | SEAL                 | 2    |
| 24   | 7-229-579 | DUST EXCLUDER        | 2    |
| 25   | 7-229-580 | MAGNET PLUG          | 2    |
| 26   | 7-229-526 | PLUG                 | 3    |
| 27   | 7-229-581 | STEERING CASE / RH   | 1    |
| 28   | 7-229-582 | SEAL                 | 2    |
| 29   | 7-229-583 | BEARING              | 20   |
| 30   | 7-229-584 | WHEEL STUD           | 20   |
| 31   | 7-229-585 | WHEEL HUB            | 2    |
| 32   | 7-229-586 | O-RING               | 2    |
| 33   | 7-229-587 | RING GEAR            | 2    |
| 34   | 7-229-588 | RING GEAR SUPPORT    | 2    |
| 35   | 7-229-589 | CIRCLIP              | 8    |
| 36   | 7-229-590 | PLANET GEAR          | 8    |
| 37   | 7-229-591 | BEARING              | 8    |
| 38   | 7-229-592 | WHEEL NUT            | 20   |
| 39   | 7-229-525 | SEAL WASHER          | 5    |
| 40   | 7-229-593 | CYLINDER BOLT        | 4    |
| 41   | 7-229-594 | PLANET GEAR CARRIER  | 2    |
| 42   | 7-229-595 | STUD                 | 16   |
| 43   | 7-229-596 | NUT                  | 16   |
| 44   | 7-229-597 | CIRCLIP              | 2    |
| 45   | 7-229-598 | ADJUSTING BOLT       | 2    |
| 46   | 7-229-599 | NUT                  | 2    |
| 47   |           |                      |      |
| 48   |           |                      |      |
| 49   | 7-229-600 | LOCKING PLATE        | 2    |
| 50   | 7-229-601 | CIRCLIP              | 2    |

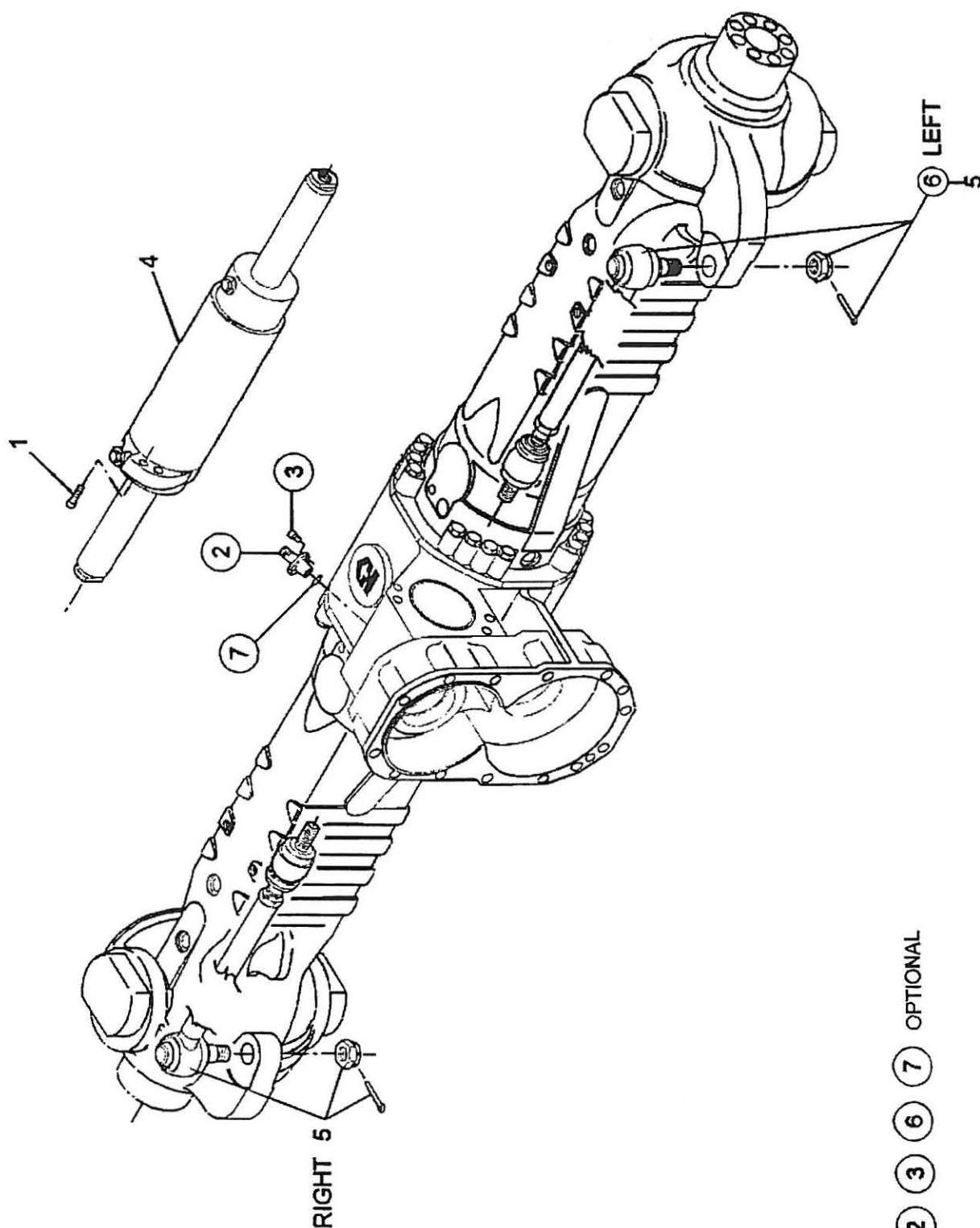
| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 51   |           |                              |      |
| 52   |           |                              |      |
| 53   |           |                              |      |
| 54   |           |                              |      |
| 55   |           |                              |      |
| 56   |           |                              |      |
| 57   |           | SHIM / SEE ITEMS 58-60 BELOW |      |
| 58   | 7-229-602 | SHIM / 0.15mm                | AR   |
| 59   | 7-229-603 | SHIM / 0.20mm                | AR   |
| 60   | 7-229-604 | SHIM / 0.50mm                | AR   |

## This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slightly textured appearance and some minor discoloration or shadows, suggesting it might be a scan of a physical document. There is no handwriting or other markings on the page.



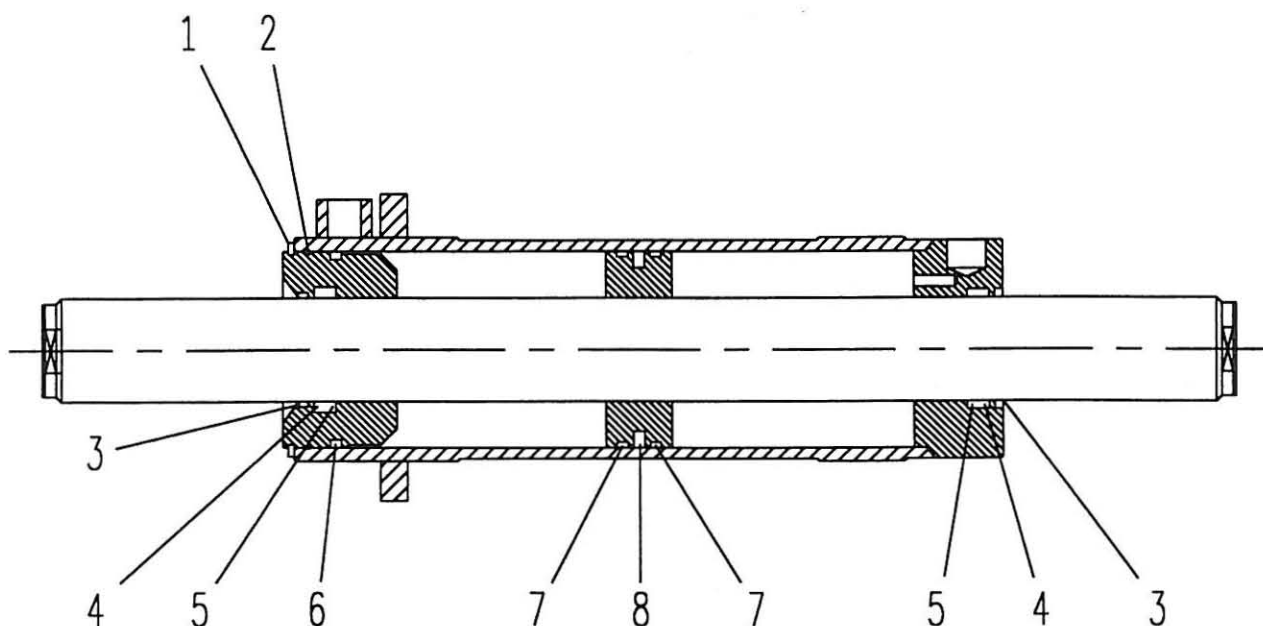
⑭ = Position KIT = 4+5+6+7+8+9

| ITEM | NUMBER    | DESCRIPTION             | REQD |
|------|-----------|-------------------------|------|
| 1    | 7-229-605 | BRAKE DISC              | 6    |
| 2    | 7-229-606 | ADJUSTING BOLT          | 6    |
| 3    | 7-229-607 | SPRING                  | 6    |
| 4    | 7-229-608 | PISTON                  | 2    |
| 5    | 7-229-609 | SPRING                  | 6    |
| 6    | 7-229-610 | BACK-UP RING            | 2    |
| 7    | 7-229-611 | O-RING                  | 2    |
| 8    | 7-229-612 | BACK-UP RING            | 2    |
| 9    | 7-229-613 | O-RING                  | 2    |
| 10   | 7-229-614 | INTERMEDIATE BRAKE DISC | 8    |
| 11   | 7-229-615 | BLEEDING BOLT           | 2    |
| 12   | 7-229-571 | PLUG                    | 2    |
| 13   | 7-229-616 | DOWEL                   | 2    |
| 14   | 7-229-617 | PISTON                  | 2    |



2 3 6 7 OPTIONAL

| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 7-229-618 | CYLINDER BOLT                 | 4    |
| 2    |           |                               |      |
| 3    |           |                               |      |
| 4    | 7-229-619 | CYLINDER                      | 1    |
| 5    | 7-229-669 | ARTICULATED TIE ROD / LH & RH | 2    |



| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-511 | SNAP RING            | 1    |
| 2    | 7-229-512 | STOP RING            | 2    |
| 3    | 7-229-513 | WIPER                | 2    |
| 4    | 7-229-514 | SEAL                 | 2    |
| 5    | 7-229-515 | BACK-UP RING         | 2    |
| 6    | 7-229-516 | WEAR RING            | 1    |
| 7    | 7-229-517 | PISTON WEAR RING     | 2    |
| 8    | 7-229-518 | PISTON SEAL          | 1    |
| 9    | 7-900-88  | SEAL KIT (ITEMS 1-8) | 1    |