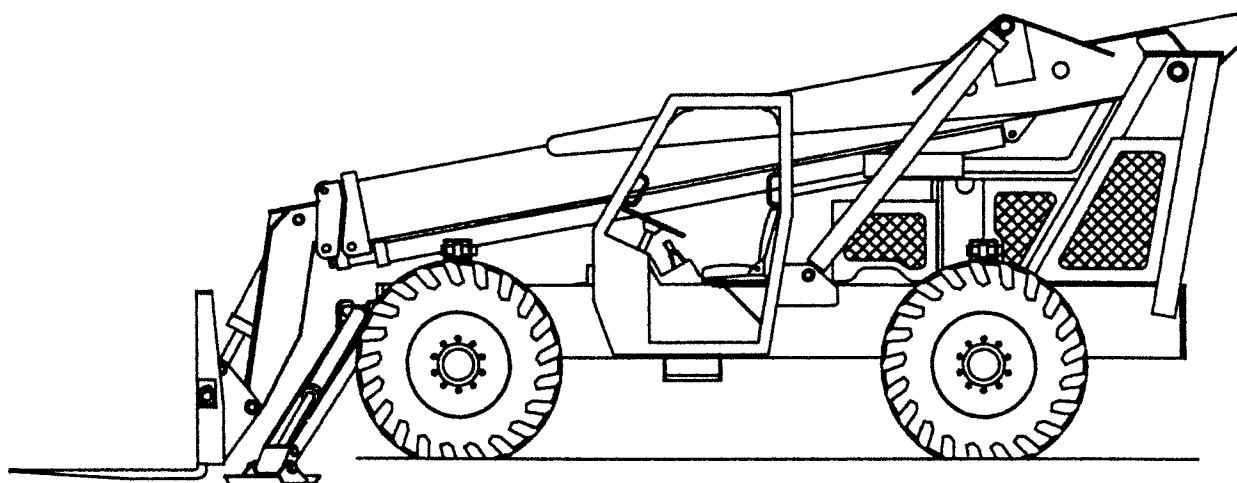


# SQUARE SHOOTER PARTS BOOK SS-1048



DATE: 12-9-96

JOHN DEERE 4039T ENGINE  
7-316 HYDRAULIC CYLINDERS  
INTERMEDIATE DROP TRANSMISSION  
VICKERS HYDRAULIC PUMP

BARAGA PRODUCTS, INC.  
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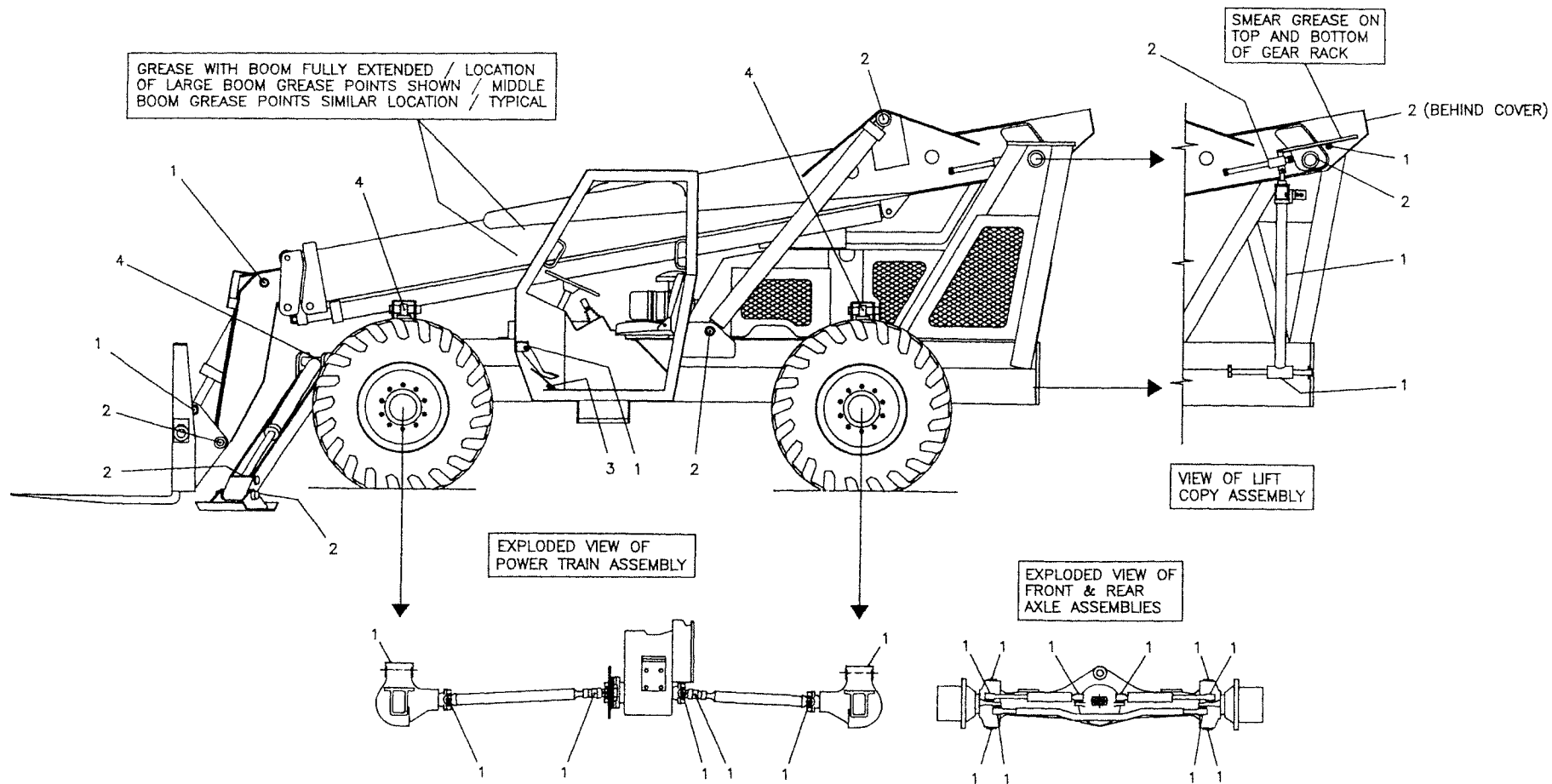
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## MANUFACTURER

| PART NUMBER         | NUMBER          | DESCRIPTION                                  | SEAL KIT  |
|---------------------|-----------------|----------------------------------------------|-----------|
| LKDC-XDN .....      | 7-234-10 .....  | CARTRIDGE / NORMALLY CLOSED .....            | 7-234-29  |
| LODC-XDN .....      | 7-234-11 .....  | CARTRIDGE / NORMALLY OPEN .....              | 7-234-29  |
| CSAB-XXN .....      | 7-234-12 .....  | CARTRIDGE / SHUTTLE .....                    | 7-234-29  |
| PPDB-LNN .....      | 7-234-13 .....  | CARTRIDGE / REDUCING RELIEVING .....         | 7-234-29  |
| PPDB-LQN .....      | 7-234-64 .....  | CARTRIDGE / REDUCING RELIEVING .....         | 7-234-29  |
| PBFB-FAN .....      | 7-234-15 .....  | CARTRIDGE / REDUCING .....                   | 7-234-30  |
| CKCB-XCN .....      | 7-234-62 .....  | CARTRIDGE / PILOT CHECK .....                | 7-234-29  |
| CXDA-XCN .....      | 7-234-80 .....  | CARTRIDGE / CHECK .....                      | 7-234-31  |
| NFCC-LCN .....      | 7-234-17 .....  | CARTRIDGE / NEEDLE .....                     | 7-234-31  |
| CKCD-XAN .....      | 7-234-18 .....  | CARTRIDGE / PILOT CHECK .....                | 7-234-29  |
| 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  |
| CAEA-LHN .....      | 7-234-53 .....  | CARTRIDGE / COUNTERBALANCE .....             | 7-234-30  |
| NFCC-LDN .....      | 7-234-37 .....  | CARTRIDGE / NEEDLE .....                     | 7-234-31  |
| CKED-XCN .....      | 7-234-55 .....  | CARTRIDGE / PILOT CHECK .....                | 7-234-30  |
| CSAD-XXN .....      | 7-234-79 .....  | CARTRIDGE / SHUTTLE .....                    | 7-234-29  |
| CXDA-XAN .....      | 7-234-16 .....  | CARTRIDGE / PILOT CHECK .....                | 7-234-31  |
| 12C25S .....        | 7-244-08 .....  | CARTRIDGE / DROP BLOCK .....                 | 7-244-46  |
| 12C34S .....        | 7-244-03 .....  | CARTRIDGE / ELECTRIC / SWAY & SQ.SHOOT ..... | 7-244-45  |
| PTS1-10-0-80 .....  | 7-304-03 .....  | CARTRIDGE / MODULAR CONTROL .....            | 7-304-04  |
| PTS1-10-0-160 ..... | 7-304-05 .....  | CARTRIDGE / MODULAR CONTROL .....            | 7-304-06  |
|                     | 7-316-01 .....  | CYLINDER / SWAY-REAR LOCK / P4-1345 .....    | 7-900-20  |
|                     | 7-316-15 .....  | CYLINDER / LIFT / P4-1471 .....              | 7-900-34  |
|                     | 7-316-16 .....  | CYLINDER / TILT / P4-1472 .....              | 7-900-22  |
|                     | 7-316-17 .....  | CYLINDER / BOOM / P4-1473 .....              | 7-900-33  |
|                     | 7-316-05 .....  | CYLINDER / ROTATE / P4-1349 .....            | 7-900-25  |
|                     | 7-316-12 .....  | CYLINDER / STABILIZER / P4-1356 .....        | 7-900-35  |
|                     | 7-229-337 ..... | CYLINDER / STEERING .....                    | 7-229-349 |
|                     | 7-198-39 .....  | BRAKE ACTUATOR .....                         | 7-198-40  |
|                     | 7-344-01 .....  | SELECTOR VALVE / STEERING .....              | 7-344-04  |
|                     | 7-331-01 .....  | ORBITRAL / STEERING .....                    | 7-331-03  |



## SQUARE SHOOTER FILTER GUIDE

| DESCRIPTION                                | PART NO.           | APPLICATION                               |
|--------------------------------------------|--------------------|-------------------------------------------|
| 1. HYDRAULIC PRESSURE FILTER ELEMENT ..... | 7-256-04 .....     | ALL                                       |
| 2. HYDRAULIC RETURN FILTER ELEMENT .....   | 7-256-05 .....     | ALL                                       |
| 3. ENGINE OIL FILTER / JOHN DEERE .....    | SEE TABLE I .....  | ALL                                       |
| 4. ENGINE OIL FILTER / CUMMINS .....       | 7-343-08 .....     | ALL                                       |
| 5. ENGINE FUEL FILTER .....                | SEE TABLE II ..... | ALL                                       |
| 6. AIR CLEANER ELEMENT .....               | 7-135-07 .....     | 624/636/836/842<br>w/JOHN DEERE NON-TURBO |
| 7. AIR CLEANER ELEMENT / INNER .....       | 7-183-57 .....     | 636/836/842/1048<br>w/JOHN DEERE TURBO    |
| 8. AIR CLEANER ELEMENT / OUTER .....       | 7-183-58 .....     | 836/842/1048<br>w/JOHN DEERE TURBO        |
| 9. AIR CLEANER ELEMENT / INNER .....       | 7-204-05 .....     | 636 w/CUMMINS TURBO                       |
| 10. AIR CLEANER ELEMENT / OUTER .....      | 7-204-04 .....     | 636 w/CUMMINS TURBO                       |
| 11. TRANSMISSION OIL FILTER .....          | 7-126-112 .....    | ALL                                       |
| 12. HYDRAULIC RESERVOIR BREATHER .....     | 7-253-01 .....     | ALL                                       |

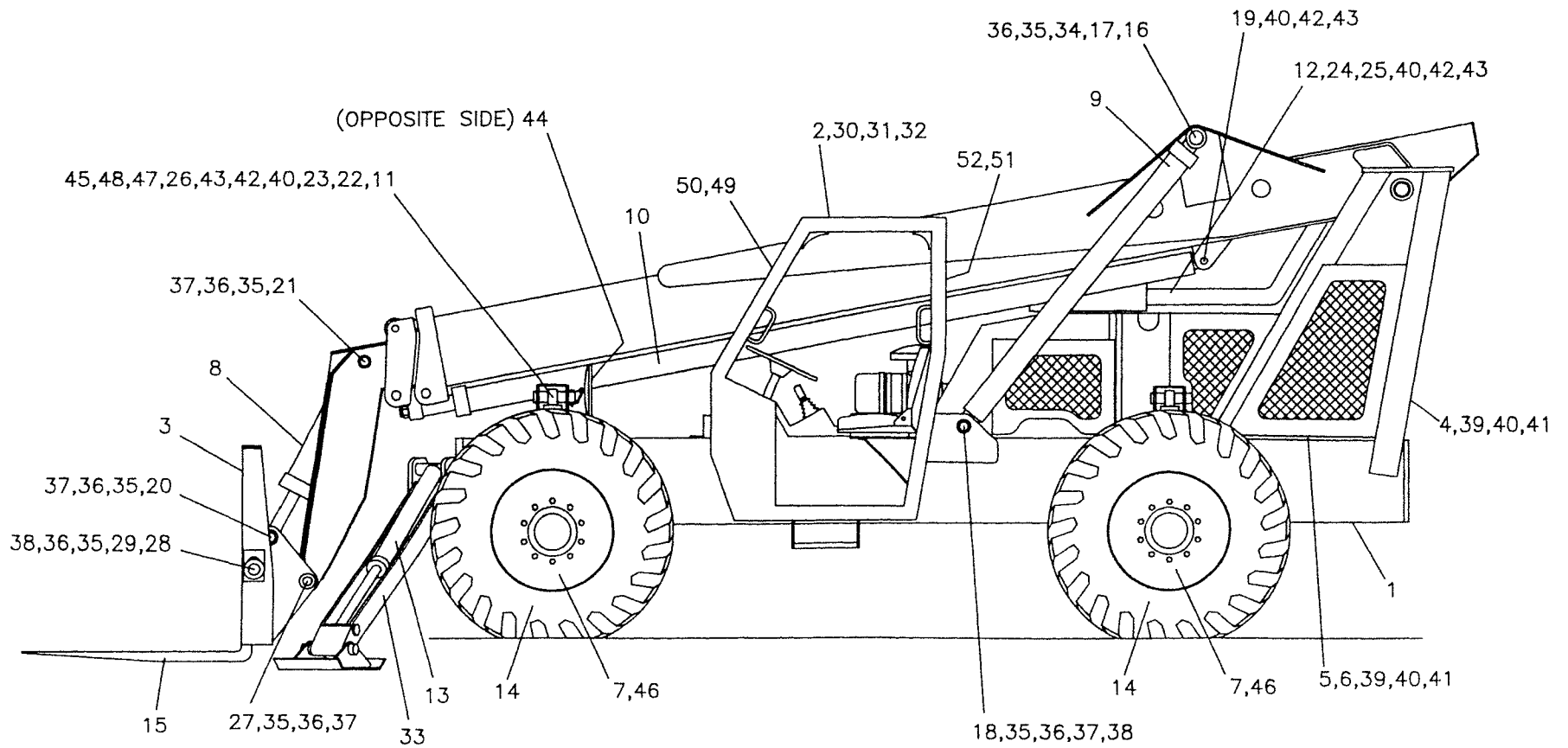
TABLE I

| ENGINE TYPE | ENGINE SERIAL NUMBER | ENGINE OIL FILTER PART NUMBER |
|-------------|----------------------|-------------------------------|
| JOHN DEERE  | 699999 AND BEFORE    | 7-183-07                      |
| JOHN DEERE  | 700000 AND UP        | 7-183-101                     |

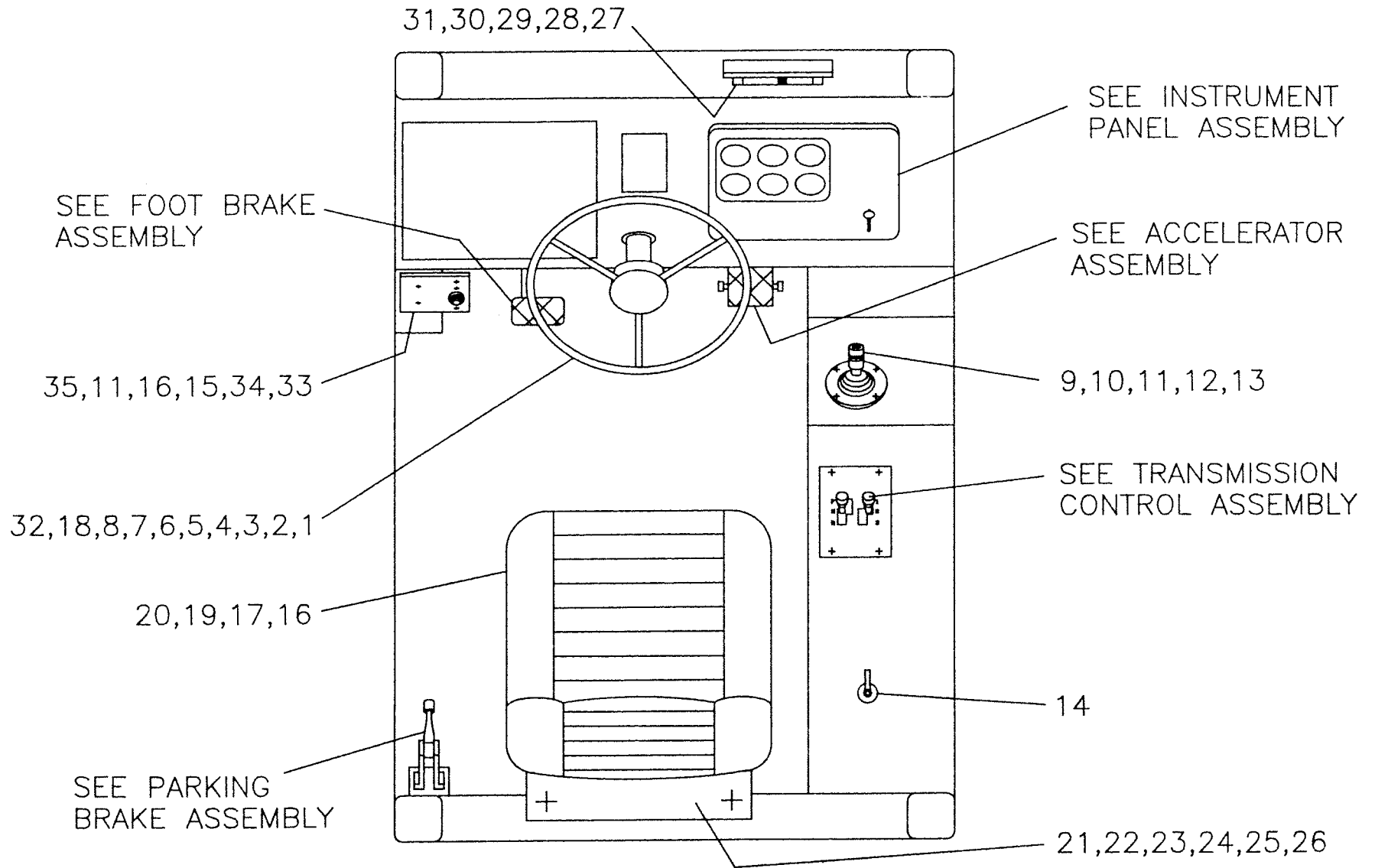
TABLE II

| ENGINE TYPE        | ENGINE SERIAL NUMBER | ENGINE FUEL FILTER PART NUMBER              |
|--------------------|----------------------|---------------------------------------------|
| JOHN DEERE         | 386591 AND BEFORE    | 7-183-45                                    |
| JOHN DEERE         | 386592 AND UP        | 7-183-84                                    |
| CUMMINS<br>4BT 3.9 | 45410664 AND UP      | 7-343-09 w/ PETCOCK<br>7-343-10 w/o PETCOCK |

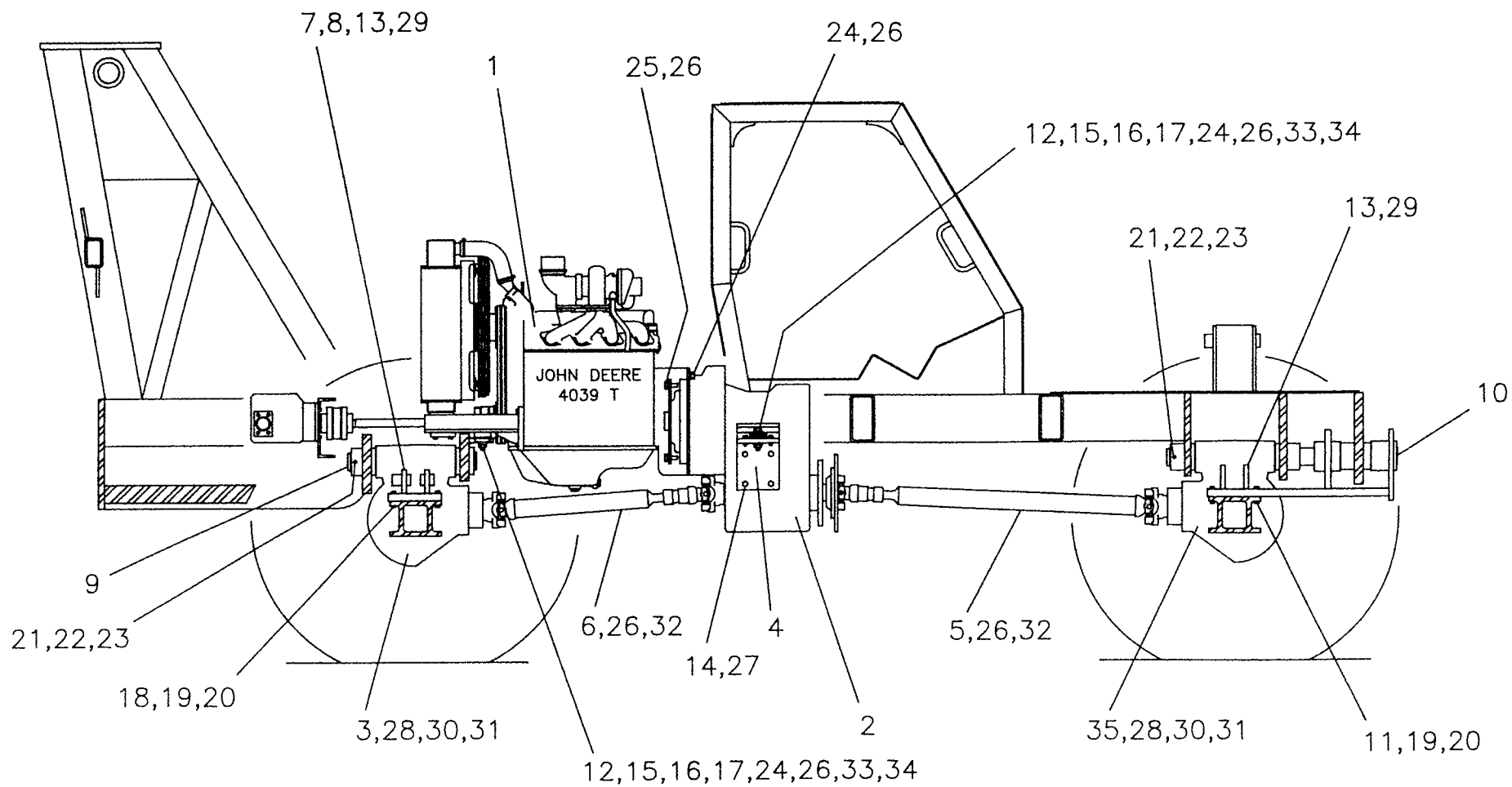
| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 4-1386-13 | DECAL / LOAD CHART / SS-1048      | 1    |
| 2    | 4-1391-1  | DECAL / SQUARE SHOOTER / 40 INCH  | 2    |
| 3    | 4-1391-2  | DECAL / SQUARE SHOOTER / 27 INCH  | 2    |
| 4    | 4-1392-4  | DECAL / SS-1048                   | 2    |
| 5    | 4-1401-1  | DECAL / STEERING SELECTOR         | REF  |
| 6    | 4-1401-2  | DECAL / DIESEL FUEL               | REF  |
| 7    | 1-1159    | DECAL / HYDRAULIC OIL LEVEL       | 1    |
| 8    | 4-1401-4  | DECAL / 4-WAY CONTROLLER (SQ.SH.) | REF  |
| 9    | 4-1401-5  | DECAL / 4-WAY CONTROLLER (STD.)   | REF  |
| 10   | 4-1401-6  | DECAL / TRANSMISSION CONTROLS     | REF  |
| 11   | 4-1401-8  | DECAL / TRANSMISSION OIL          | REF  |
| 12   | 4-1401-9  | DECAL / FUSE HOLDER               | REF  |
| 13   | 4-1105-10 | DECAL / BPI FLAG / 12 INCH        | 1    |
| 14   | 4-1105-11 | DECAL / A                         | 1    |
| 15   | 4-1105-12 | DECAL / B                         | 1    |
| 16   | 4-1105-13 | DECAL / C                         | 1    |
| 17   | 4-1105-14 | DECAL / D                         | 1    |
| 18   | 4-1105-15 | DECAL / E                         | 1    |
| 19   | 4-1105-16 | DECAL / MADE IN USA               | 4    |
| 20   | 4-1105-19 | DECAL / REAR AXLE STABILIZERS     | 1    |
| 21   | 3-1069-3  | DECAL / STABILIZER WARNING        | 1    |
| 22   | 3-1218    | DECAL / WARNING                   | 1    |
| 23   | 3-1257-1  | DECAL / HYDRAULIC OIL ONLY        | 1    |
| 24   | 4-1579-1  | DECAL / PARKING BRAKE             | 1    |
| 25   | 4-1579-2  | DECAL / ELECTRIC HAZARD           | 1    |
| 26   | 4-1579-3  | DECAL / SWAY CONTROL              | 1    |
| 27   | 4-1579-4  | DECAL / NOT A MAN-LIFT            | 1    |
| 28   | 4-1579-5  | DECAL / BEFORE OPERATING          | 1    |
| 29   | 4-1579-6  | DECAL / BATTERY COMPARTMENT       | 1    |
| 30   | 4-1579-7  | DECAL / COOLING SYSTEM            | 1    |
| 31   | 4-1579-8  | DECAL / HOT EXHAUST               | 2    |
| 32   | 4-1579-9  | DECAL / PINCH POINT AREA          | 11   |
| 33   | 4-1579-10 | DECAL / MACHINE STABILITY         | 4    |
| 34   | 4-1579-11 | DECAL / USE THE SEAT BELT         | 1    |
| 35   | 4-1579-12 | DECAL / NO RIDERS                 | 1    |
| 36   | 4-1579-13 | DECAL / HYDRAULIC SYSTEM          | 1    |
| 37   | 4-1579-14 | DECAL / AXLE DIFFERENTIAL LOCK    | 1    |
| 38   | 7-900-38  | DECAL KIT (ITEMS 1 THRU 37)       | REF  |



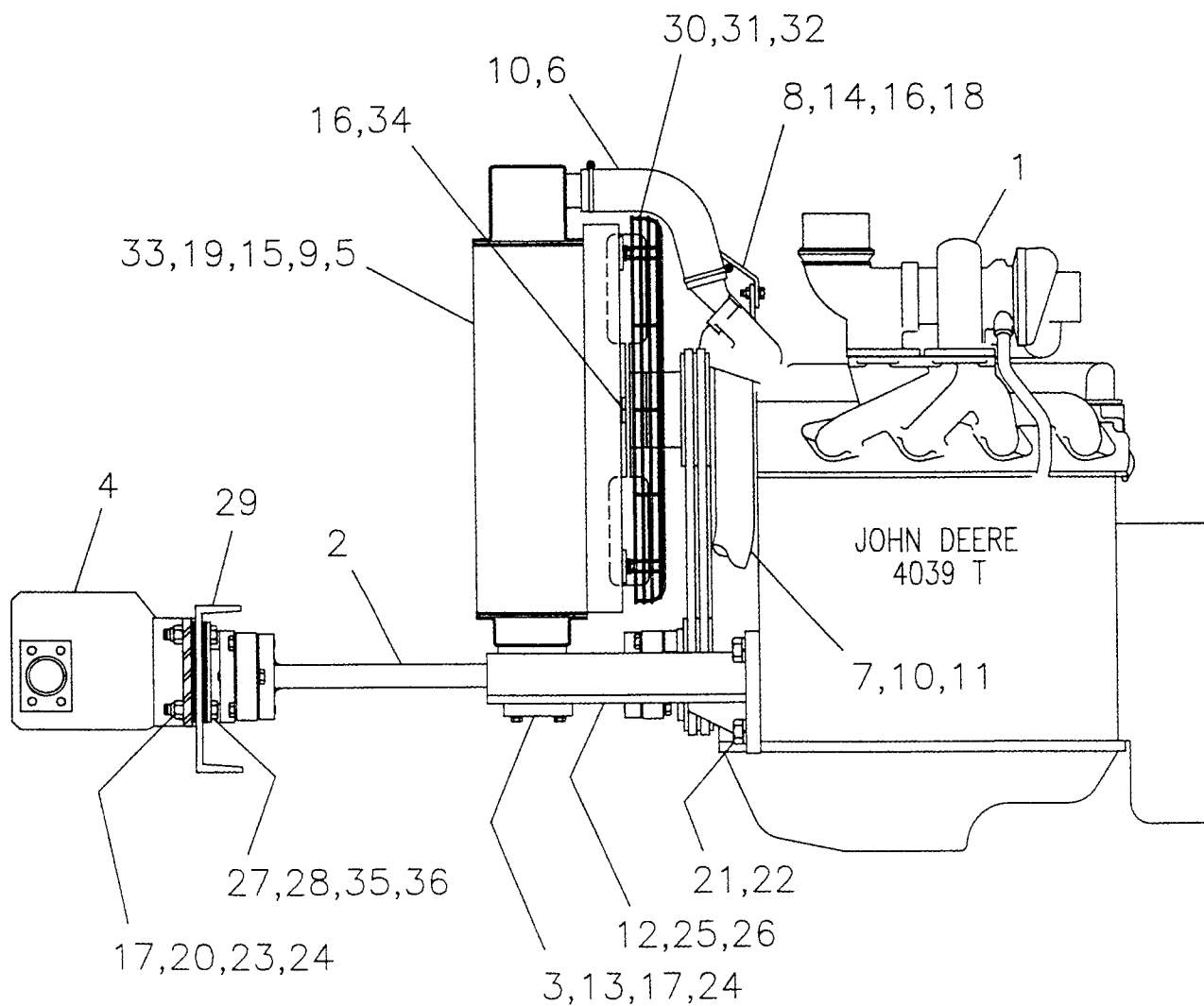
| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 4-1437     | MAIN FRAME WELDMENT              | 1    |
| 2    | 4-1505     | CANOPY WELDMENT                  | 1    |
| 3    | 4-1441     | FORK FRAME / 48 WIDE             | 1    |
| 4    | 4-1480-1   | REAR PANEL                       | 1    |
| 5    | 4-1480-3   | SIDE PANEL / RH                  | 1    |
| 6    | 4-1480-2   | SIDE PANEL / LH                  | 1    |
| 7    | 7-320-01   | WHEEL                            | 4    |
| 8    | 7-316-16   | CYLINDER / TILT                  | 1    |
| 9    | 7-316-15   | CYLINDER / LIFT                  | 2    |
| 10   | 7-316-17   | CYLINDER / BOOM                  | 1    |
| 11   | 7-316-01   | CYLINDER / SWAY                  | 2    |
| 12   | 7-316-01   | CYLINDER / REAR LOCK-UP          | 2    |
| 13   | 7-316-12   | CYLINDER / STABILIZER            | 2    |
| 14   | 7-335-02   | TIRE 14.00-24                    | 4    |
| 15   | 3-1234     | FORK TINE / 48 LG.               | 2    |
| 16   | 3-1092-1   | CROSS SHAFT / HEAD LIFT CYLINDER | 1    |
| 17   | 6-2524-10  | COLLAR / HEAD LIFT CYLINDER      | 2    |
| 18   | 3-1054-2   | PIN / BASE LIFT CYLINDER         | 2    |
| 19   | 2-1090     | PIN / BASE BOOM CYLINDER         | 1    |
| 20   | 6-3316-65  | PIN / HEAD TILT CYLINDER         | 1    |
| 21   | 3-1054-1   | PIN / BASE TILT CYLINDER         | 1    |
| 22   | 3-1243-2   | PIN / HEAD SWAY CYLINDER         | 2    |
| 23   | 6-3312-73  | PIN / BASE SWAY CYLINDER         | 2    |
| 24   | 6-3312-55  | PIN / HEAD LOCK-UP CYLINDER      | 2    |
| 25   | 6-3312-73  | PIN / BASE LOCK-UP CYLINDER      | 2    |
| 26   | 3-1243-3   | RETAINER / PIN                   | 2    |
| 27   | 6-3316-168 | PIN / FORK FRAME                 | 1    |
| 28   | 2-1125-10  | PIN / FORK TINE                  | 1    |
| 29   | 1-1113     | COLLAR / FORK TINE PIN           | 1    |
| 30   | 3-1301     | SAFETY GLASS / ROOF              | 1    |
| 31   | 6-5204-04  | CAPSCREW 1/4 NC x 1/2 LG.        | 8    |
| 32   | 6-6212-04  | FLATWASHER 1/4                   | 8    |
| 33   | P4-1490    | STABILIZER ASSEMBLY              | REF  |
| 34   | 6-5208-44  | CAPSCREW 1/2 NC x 5 1/2 LG.      | 2    |
| 35   | 6-6201-08  | HEX NUT 1/2 NC                   | 8    |
| 36   | 6-6211-08  | LOCKWASHER 1/2                   | 8    |
| 37   | 6-5208-30  | CAPSCREW 1/2 NC x 3 3/4 LG.      | 4    |
| 38   | 6-5208-36  | CAPSCREW 1/2 NC x 4 1/2 LG.      | 2    |
| 39   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.        | 16   |
| 40   | 6-6211-06  | LOCKWASHER 3/8                   | 23   |
| 41   | 6-6212-06  | FLATWASHER 3/8                   | 16   |
| 42   | 6-5206-22  | CAPSCREW 3/8 NC x 2 3/4 LG.      | 6    |
| 43   | 6-6201-06  | HEX NUT 3/8 NC                   | 7    |
| 44   | 7-333-01   | MIRROR / CONVEX                  | 1    |
| 45   | 6-5206-24  | CAPSCREW 3/8 NC x 3 LG.          | 1    |
| 46   | 7-286-01   | VALVE STEM / AIR-CHLORIDE-FOAM   | 4    |
| 47   | 6-5205-06  | CAPSCREW 5/16 NC x 3/4 LG.       | 4    |
| 48   | 6-6211-05  | LOCKWASHER 5/16                  | 4    |
| 49   | 6-3910-04  | GLASS / WINDSHIELD               | 1    |
| 50   | 6-9608-991 | RUBBER / WINDSHIELD              | 1    |
| 51   | 6-4110-04  | GLASS / REAR WINDOW              | 1    |
| 52   | 6-9608-668 | RUBBER / REAR WINDOW             | 1    |



| ITEM | NUMBER    | DESCRIPTION                 | REQD |
|------|-----------|-----------------------------|------|
| 1    | 7-331-01  | STEERING ORBITRAL           | REF  |
| 2    | 7-331-02  | STEERING COLUMN             | 1    |
| 3    | 7-318-01  | STEERING WHEEL              | 1    |
| 4    | 7-318-02  | HORN BUTTON KIT             | 1    |
| 5    | 7-122-05  | NUT / STEERING WHEEL        | 1    |
| 6    | 6-5206-18 | CAPSCREW 3/8 NC x 2 1/4 LG. | 2    |
| 7    | 6-6211-06 | LOCKWASHER 3/8              | 4    |
| 8    | 6-6212-06 | FLATWASHER 3/8              | 2    |
| 9    | 7-200-81  | CONTROLLER / 4-WAY          | REF  |
| 10   | 6-5204-08 | CAPSCREW 1/4 NC x 1 LG.     | 4    |
| 11   | 6-6211-04 | LOCKWASHER 1/4              | 7    |
| 12   | 6-6212-04 | FLATWASHER 1/4              | 4    |
| 13   | 6-6201-04 | HEX NUT 1/4 NC              | 4    |
| 14   | 7-127-11  | SWITCH / STEERING SELECT    | REF  |
| 15   | 6-5205-06 | CAPSCREW 5/16 NC x 3/4 LG.  | 2    |
| 16   | 6-6211-05 | LOCKWASHER 5/16             | 6    |
| 17   | 7-197-01  | SEAT                        | 1    |
| 18   | 6-5206-06 | CAPSCREW 3/8 NC x 3/4 LG.   | 2    |
| 19   | 6-6201-05 | HEX NUT 5/16 NC             | 4    |
| 20   | 7-337-01  | SEAT BELT                   | 1    |
| 21   | 4-1598-1  | SEAT SUPPORT                | 1    |
| 22   | 4-1598-2  | SEAT MOUNT                  | 1    |
| 23   | 6-5205-08 | CAPSCREW 5/16 NC x 1 LG.    | 4    |
| 24   | 6-5205-32 | CAPSCREW 5/16 NC x 4 LG.    | 2    |
| 25   | 6-6211-05 | LOCKWASHER 5/16             | 6    |
| 26   | 6-6201-05 | HEX NUT 5/16 NC             | 6    |
| 27   | 7-283-01  | LEVEL GAGE                  | 1    |
| 28   | 6-6284-03 | MACHINE SCREW 8-32 x 1 LG.  | 2    |
| 29   | 6-6286-02 | HEX NUT 8-32                | 2    |
| 30   | 6-6286-11 | STARWASHER / INTERNAL #8    | 2    |
| 31   | 6-6286-10 | FLATWASHER / #8             | 2    |
| 32   | 1-1029    | SPACER / ORBITRAL           | 2    |
| 33   | 7-127-09  | SWITCH / DIFF.LOCK          | REF  |
| 34   | 1-1143    | MOUNT / DIFF.LOCK           | 1    |
| 35   | 6-5204-06 | CAPSCREW 1/4 NC x 3/4 LG.   | 3    |



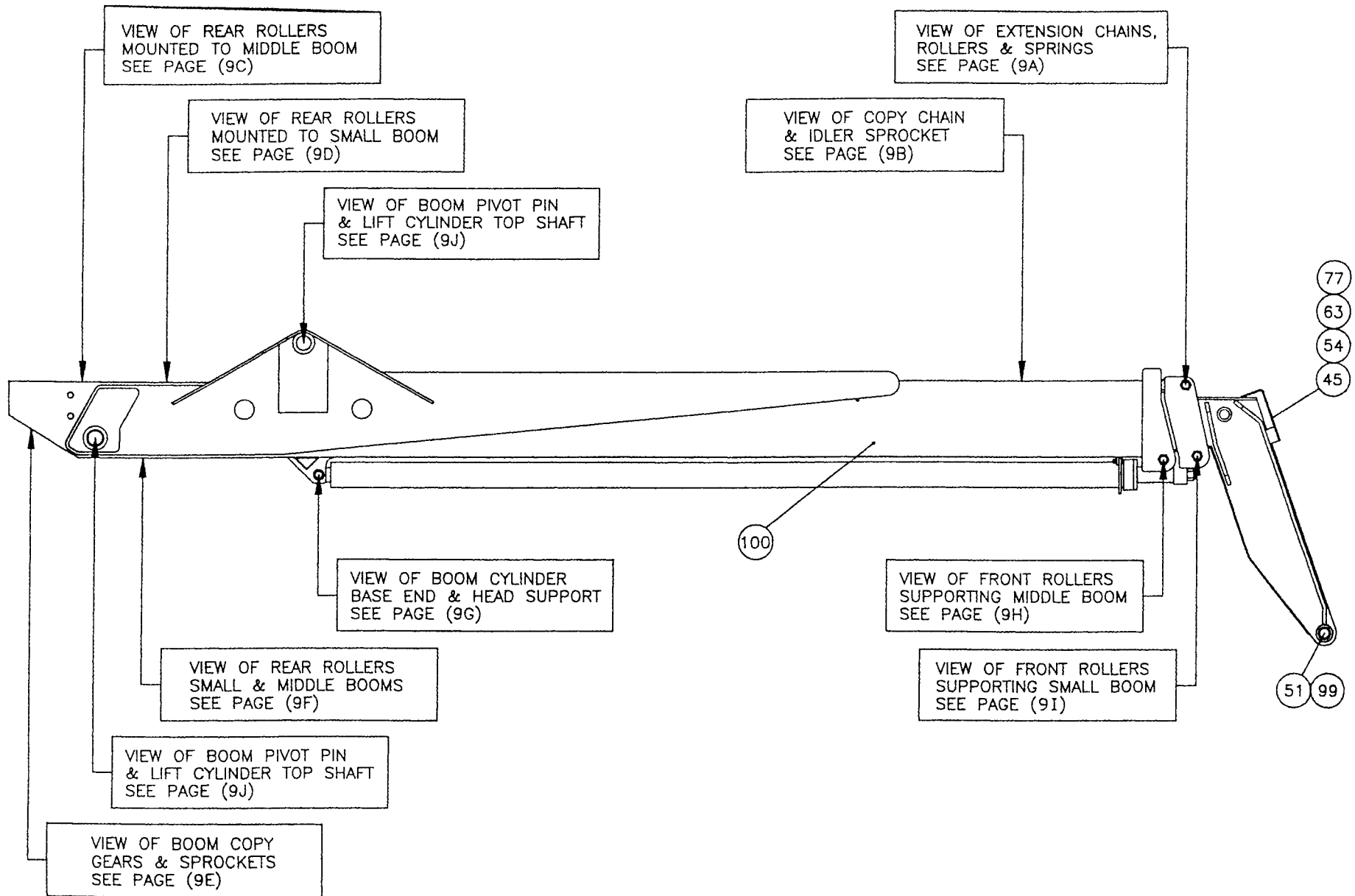
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | P4-1486   | ENGINE and PUMP ASSEMBLY       | REF  |
| 2    | 7-126-322 | TRANSMISSION ASSEMBLY          | 1    |
| 3    | 7-229-344 | AXLE ASSEMBLY / REAR           | 1    |
| 4    | 3-1237    | MOUNT / TRANSMISSION           | 2    |
| 5    | 7-196-29  | DRIVESHAFT / FRONT             | 1    |
| 6    | 7-196-27  | DRIVESHAFT / REAR              | 1    |
| 7    | 3-1133    | MOUNT / REAR LOCK-UP CYL. / RH | 1    |
| 8    | 3-1134    | MOUNT / REAR LOCK-UP CYL. / LH | 1    |
| 9    | 4-1449-4  | PIN / REAR AXLE PIVOT          | 1    |
| 10   | 4-1449-5  | PIN / FRONT AXLE PIVOT         | 1    |
| 11   | 6-5312-28 | CAPSCREW 3/4 NF x 3 1/2 LG.    | 8    |
| 12   | 7-326-01  | RUBBER MOUNT / ENGINE          | 4    |
| 13   | 6-7002-42 | GREASE HOSE / 04 x 04 x 21 LG. | 2    |
| 14   | 6-5212-16 | CAPSCREW 3/4 NC x 2 LG.        | 8    |
| 15   | 6-5310-32 | CAPSCREW 5/8 NF x 4 LG.        | 4    |
| 16   | 6-6211-10 | LOCKWASHER 5/8                 | 4    |
| 17   | 6-6202-10 | HEX NUT 5/8 NF                 | 4    |
| 18   | 6-5312-22 | CAPSCREW 3/4 NF x 2 3/4 LG.    | 8    |
| 19   | 6-6211-12 | LOCKWASHER 3/4                 | 16   |
| 20   | 6-6202-12 | HEX NUT 3/4 NF                 | 16   |
| 21   | 6-5208-44 | CAPSCREW 1/2 NC x 5 1/2 LG.    | 2    |
| 22   | 6-6211-08 | LOCKWASHER 1/2                 | 2    |
| 23   | 6-6201-08 | HEX NUT 1/2 NC                 | 2    |
| 24   | 6-5206-12 | CAPSCREW 3/8 NC x 1 1/2 LG.    | 19   |
| 25   | 6-5306-14 | CAPSCREW 3/8 NF x 1 3/4 LG.    | 8    |
| 26   | 6-6211-06 | LOCKWASHER 3/8                 | 43   |
| 27   | 6-6216-12 | STARWASHER 3/4                 | 8    |
| 28   | 6-6427-03 | FITTING / 02 NPT x 04 JIC 90   | 2    |
| 29   | 6-6474-01 | FITTING / 02 NPT x 04 JIC M-BH | 2    |
| 30   | 6-6301    | LUBE FITTING 1/8 NPT STR       | 2    |
| 31   | 6-6302    | LUBE FITTING 1/8 NPT 90        | 4    |
| 32   | 6-5306-16 | CAPSCREW 3/8 NF x 2 LG.        | 16   |
| 33   | 6-6212-10 | FLATWASHER 5/8                 | 4    |
| 34   | 6-6201-06 | HEX NUT 3/8 NC                 | 8    |
| 35   | 7-229-345 | AXLE ASSEMBLY / FRONT          | 1    |

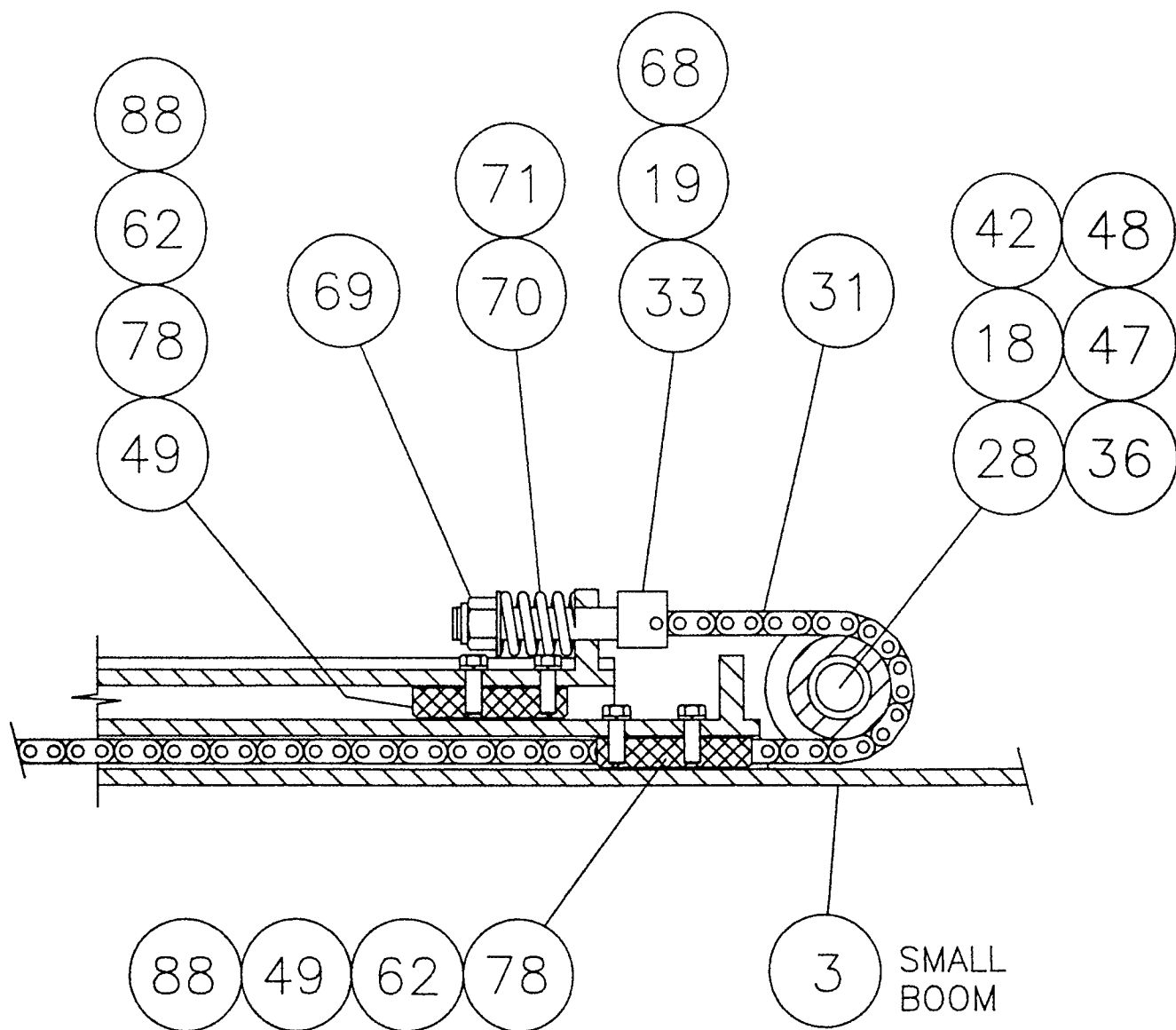


| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-183-47  | ENGINE ASSEMBLY / JD-4039T   | 1    |
| 2    | P4-1447   | DRIVESHAFT ASSEMBLY / PUMP   | REF  |
| 3    | 2-1126    | CROSS PLATE / ENGINE MOUNT   | 1    |
| 4    | 7-321-70  | PUMP ASSEMBLY                | REF  |
| 5    | 7-311-02  | RADIATOR                     | 1    |
| 6    | 7-183-51  | RADIATOR HOSE / UPPER        | REF  |
| 7    | 7-183-50  | RADIATOR HOSE / LOWER        | REF  |
| 8    | 2-1128    | MOUNTING STRAP / RADIATOR    | 1    |
| 9    | 1-2017    | VIBRATION PAD / RADIATOR     | 4    |
| 10   | 6-6252-09 | CLAMP / RADIATOR HOSE        | 3    |
| 11   | 6-6252-12 | CLAMP / RADIATOR HOSE        | 1    |
| 12   | 6-6226-12 | DOWEL PIN / ENGINE           | 2    |
| 13   | 6-5208-14 | CAPSCREW 1/2 NC x 2 LG.      | 4    |
| 14   | 6-5206-08 | CAPSCREW 3/8 NC x 1 LG.      | 2    |
| 15   | 6-5206-22 | CAPSCREW 3/8 NC x 2 3/4 LG.  | 2    |
| 16   | 6-6211-06 | LOCKWASHER 3/8               | 6    |
| 17   | 6-6201-08 | HEX NUT 1/2 NC               | 8    |
| 18   | 6-6201-06 | HEX NUT 3/8 NC               | 2    |
| 19   | 6-6205-06 | SELF LOCKING NUT 3/8 NC      | 2    |
| 20   | 6-5208-14 | CAPSCREW 1/2 NC x 1 3/4 LG.  | 4    |
| 21   | 6-5210-18 | CAPSCREW 5/8 NC x 2 1/4 LG.  | 4    |
| 22   | 6-6211-10 | LOCKWASHER 5/8               | 4    |
| 23   | 6-6212-08 | FLATWASHER 1/2               | 4    |
| 24   | 6-6211-08 | LOCKWASHER 1/2               | 8    |
| 25   | 4-1445    | ENGINE MOUNT / LH            | 1    |
| 26   | 4-1446    | ENGINE MOUNT / RH            | 1    |
| 27   | 6-5310-22 | CAPSCREW 5/8 NF x 2 3/4 LG.  | 4    |
| 28   | 2-1164    | RUBBER PAD                   | 4    |
| 29   | 3-1239-1  | MOUNT / PUMP                 | 1    |
| 30   | 7-183-53  | FAN GUARD                    | REF  |
| 31   | 6-6212-05 | FLATWASHER 5/16              | 4    |
| 32   | 6-5205-10 | CAPSCREW 5/16 NC x 1 1/4 LG. | 4    |
| 33   | 7-311-05  | FAN SHROUD                   | REF  |
| 34   | 6-5206-16 | CAPSCREW 3/8 NC x 2 LG.      | 4    |
| 35   | 2-1163    | PLATE                        | 2    |
| 36   | 6-6206-10 | SELF LOCKING NUT 5/8 NF      | 4    |

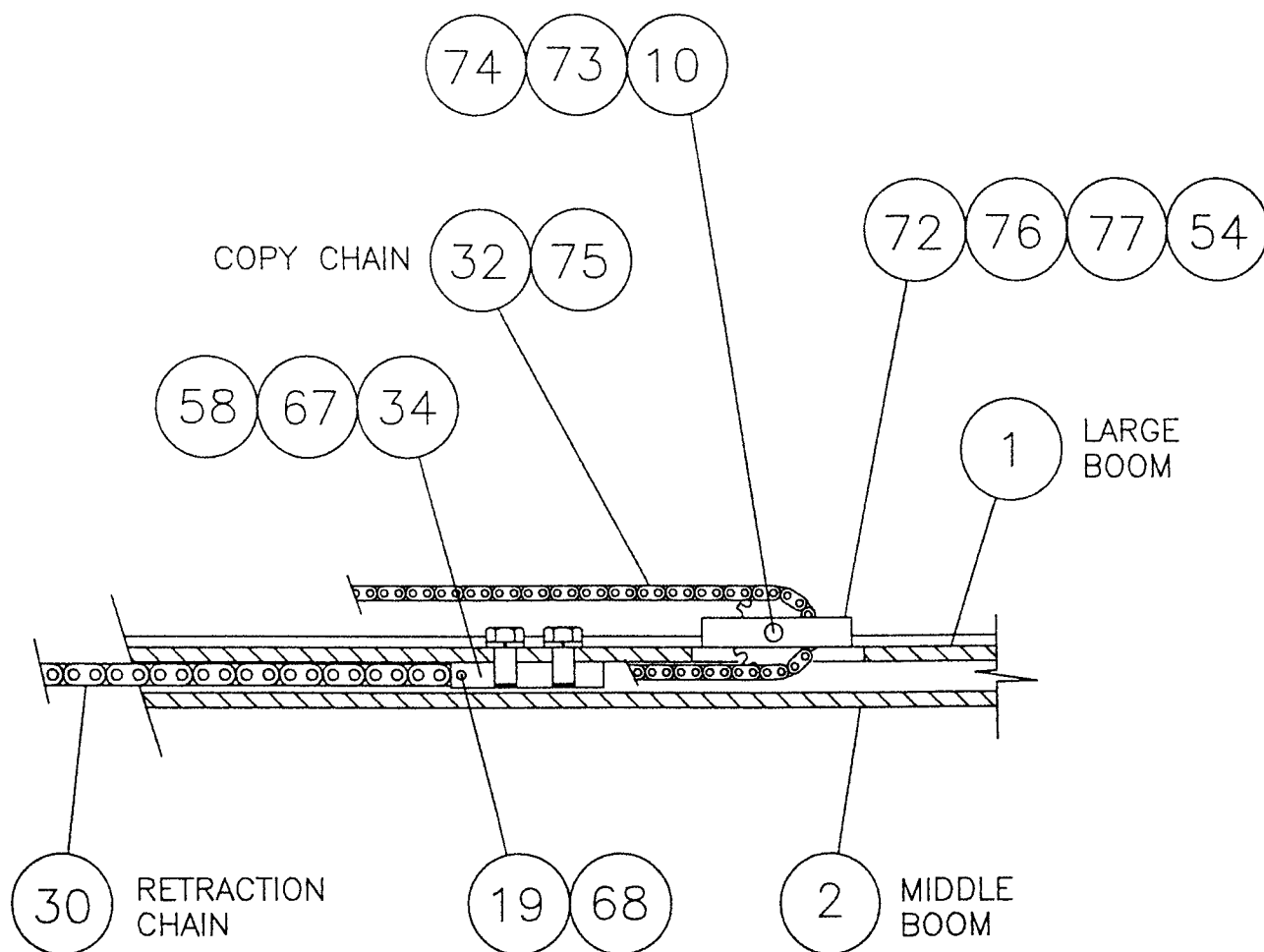
## NOTES

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.

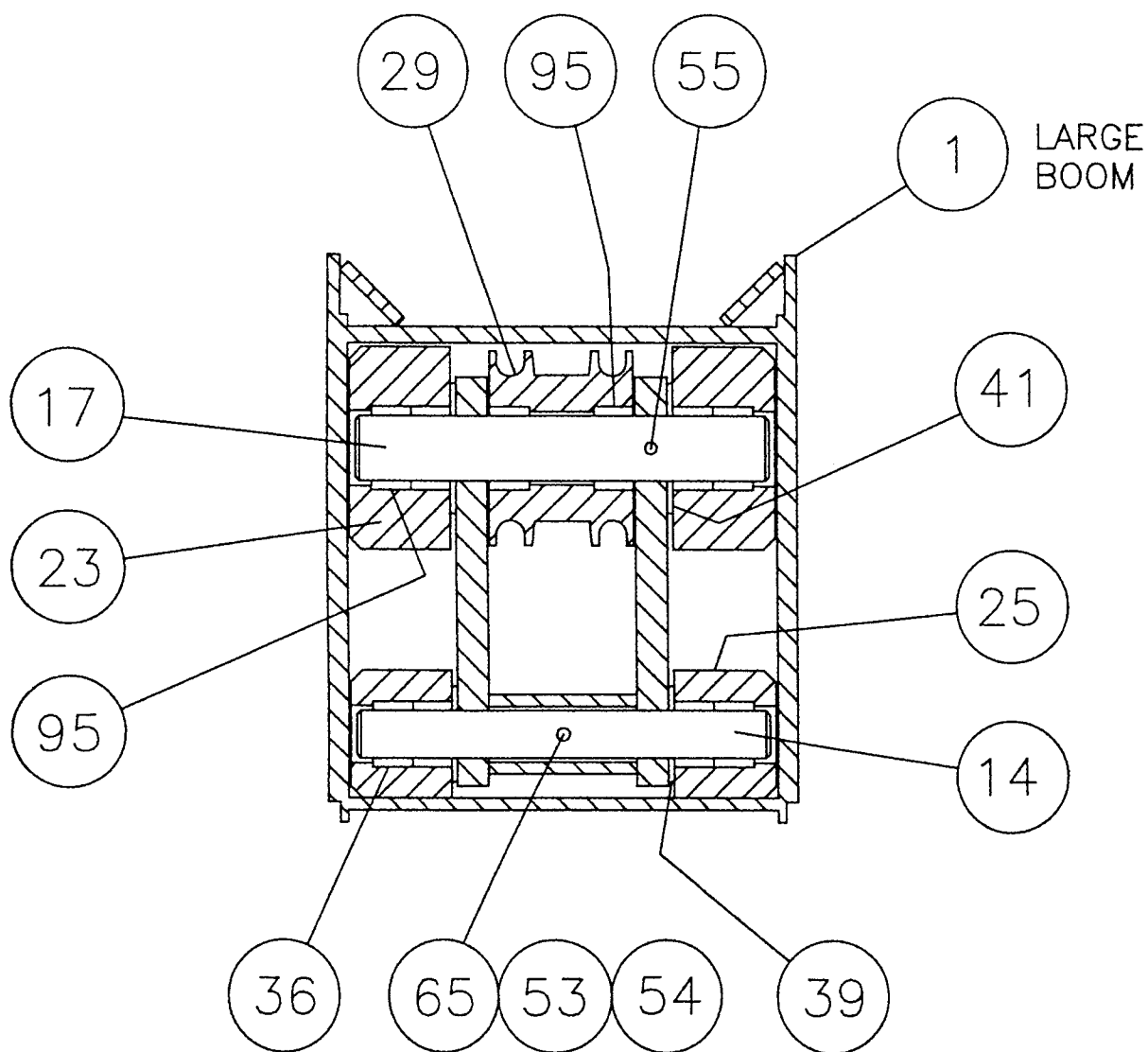




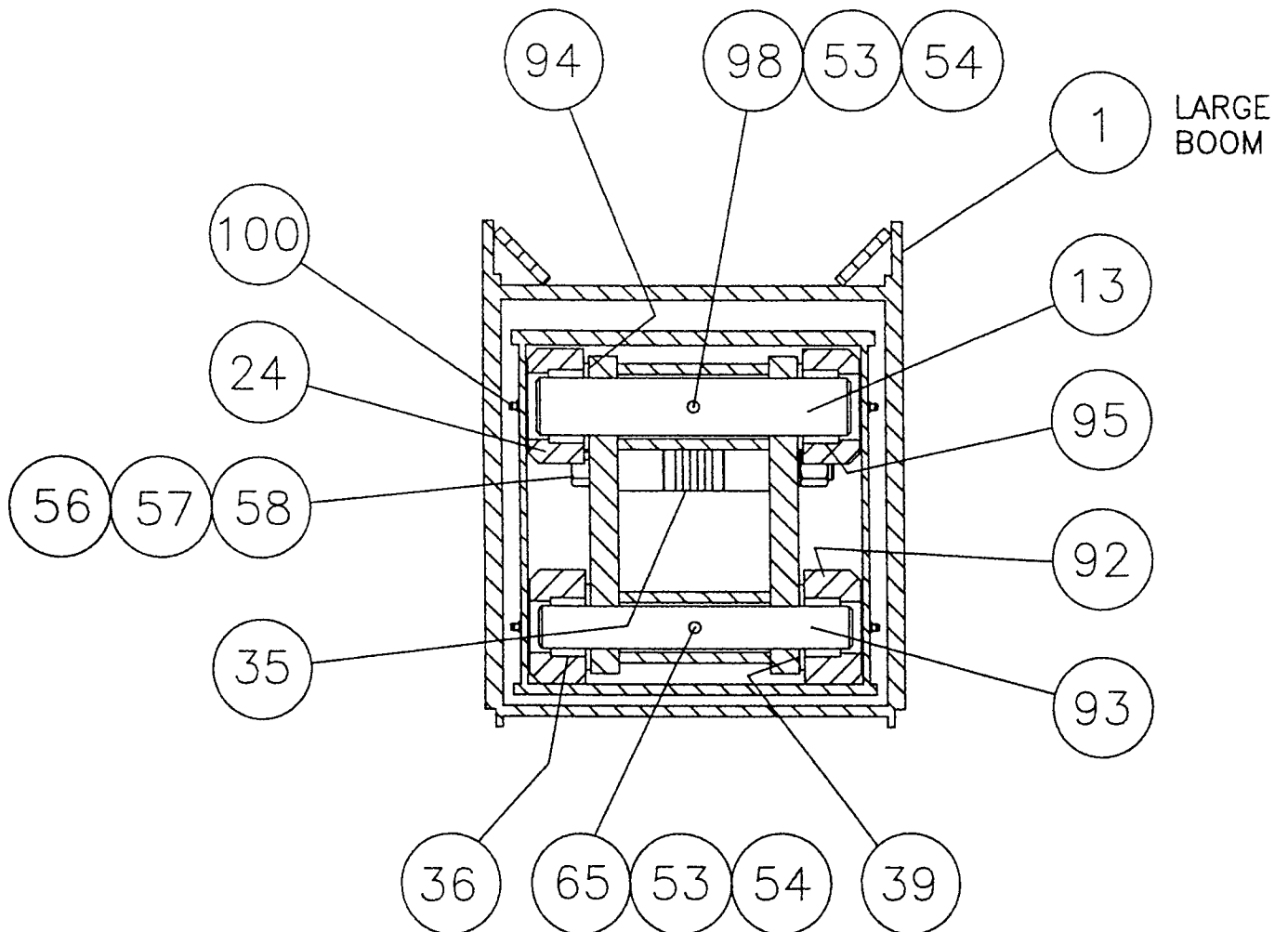
VIEW OF EXTENSION  
CHAINS, ROLLERS & SPRINGS



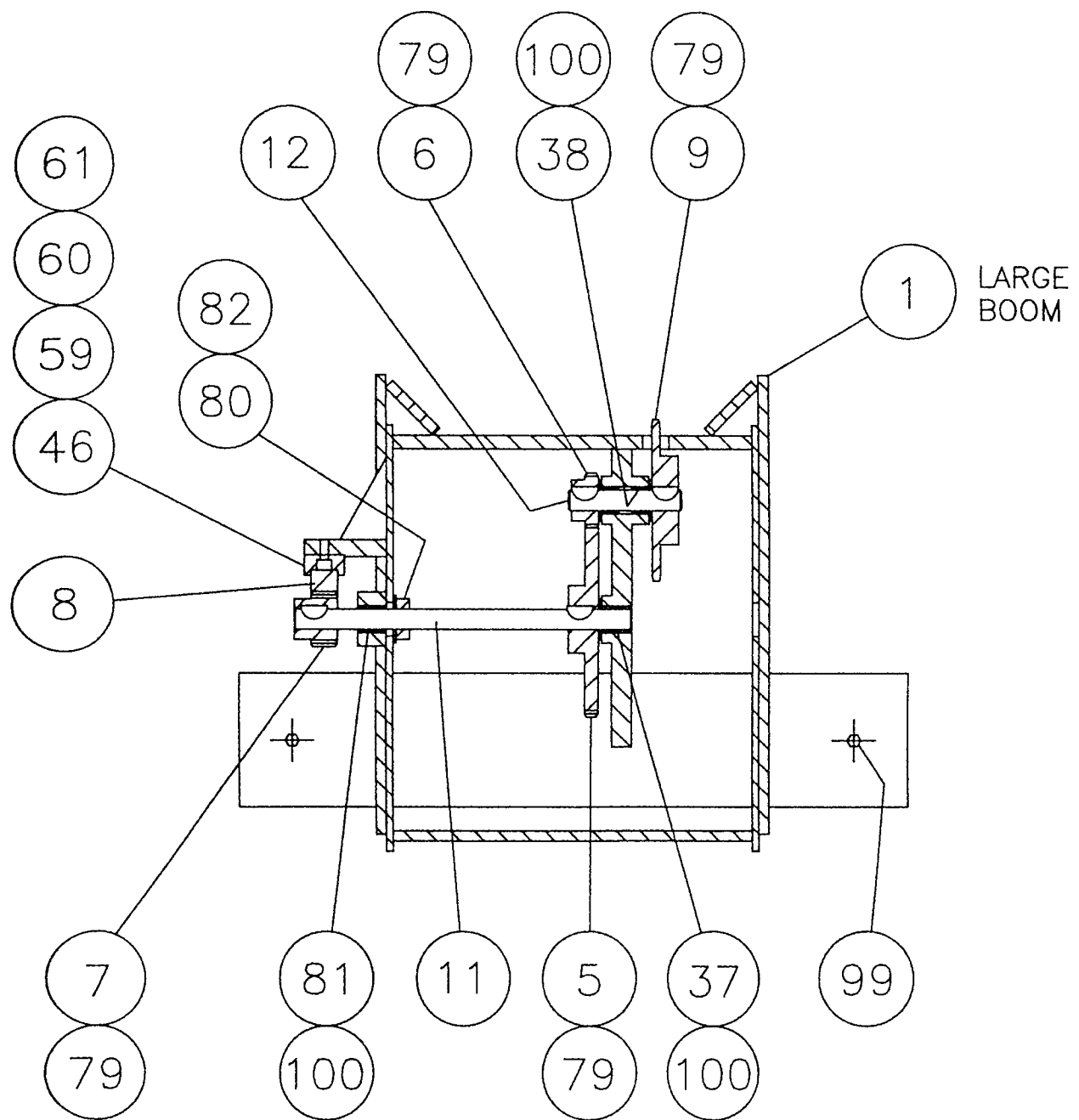
VIEW OF COPY CHAIN &  
IDLER SPROCKET



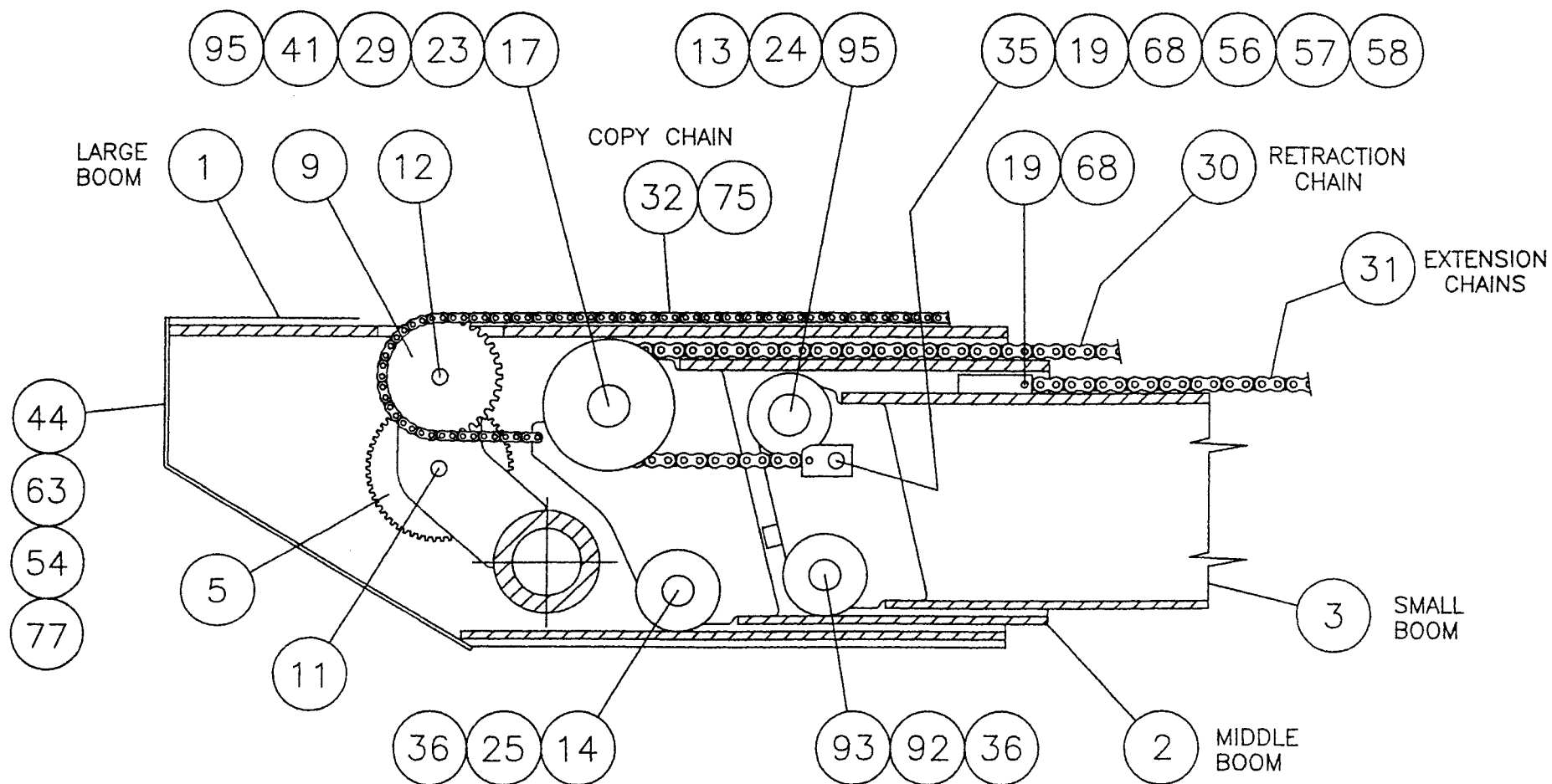
VIEW OF REAR ROLLERS  
MOUNTED TO MIDDLE BOOM



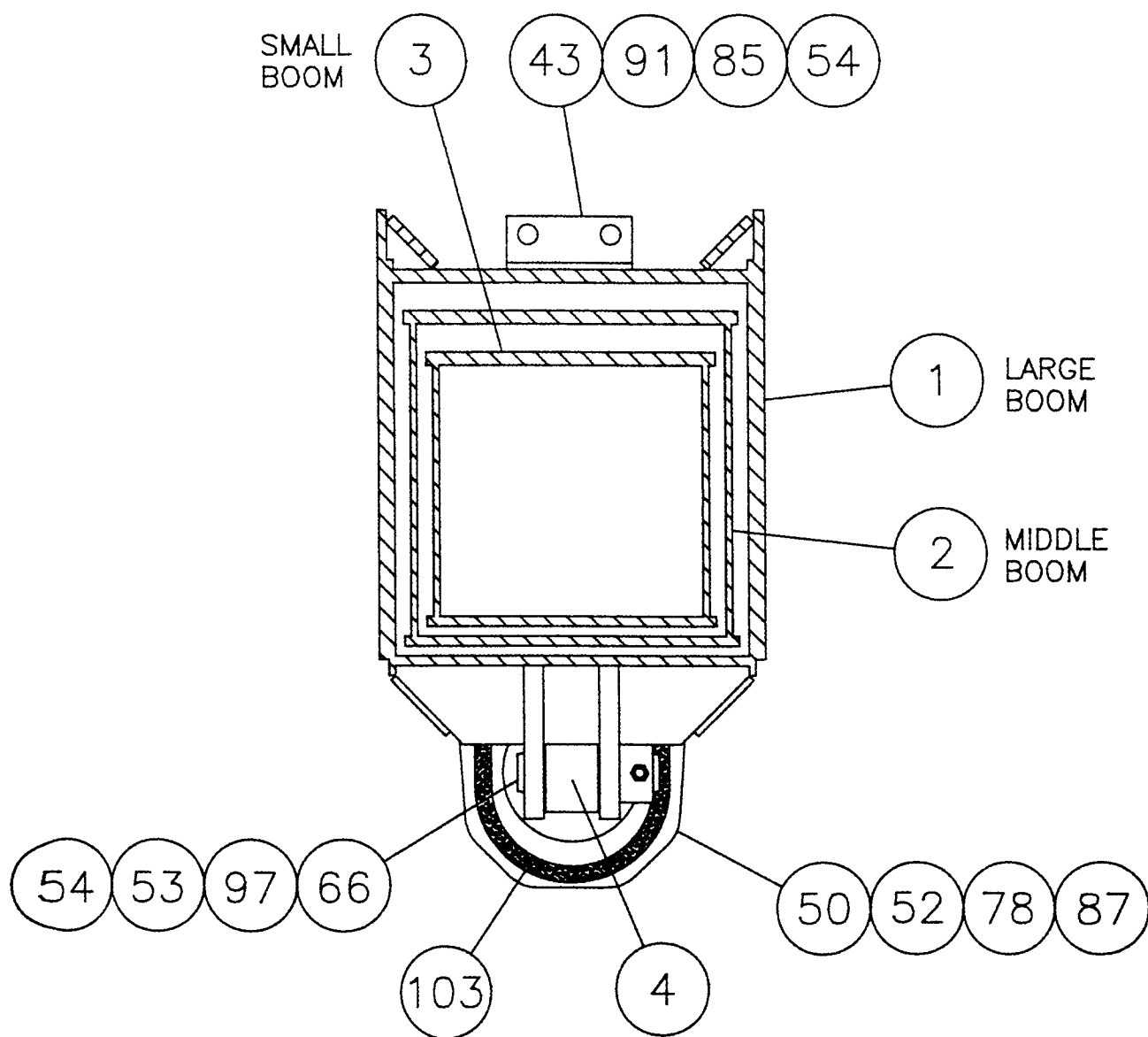
VIEW OF REAR ROLLERS  
MOUNTED TO SMALL BOOM



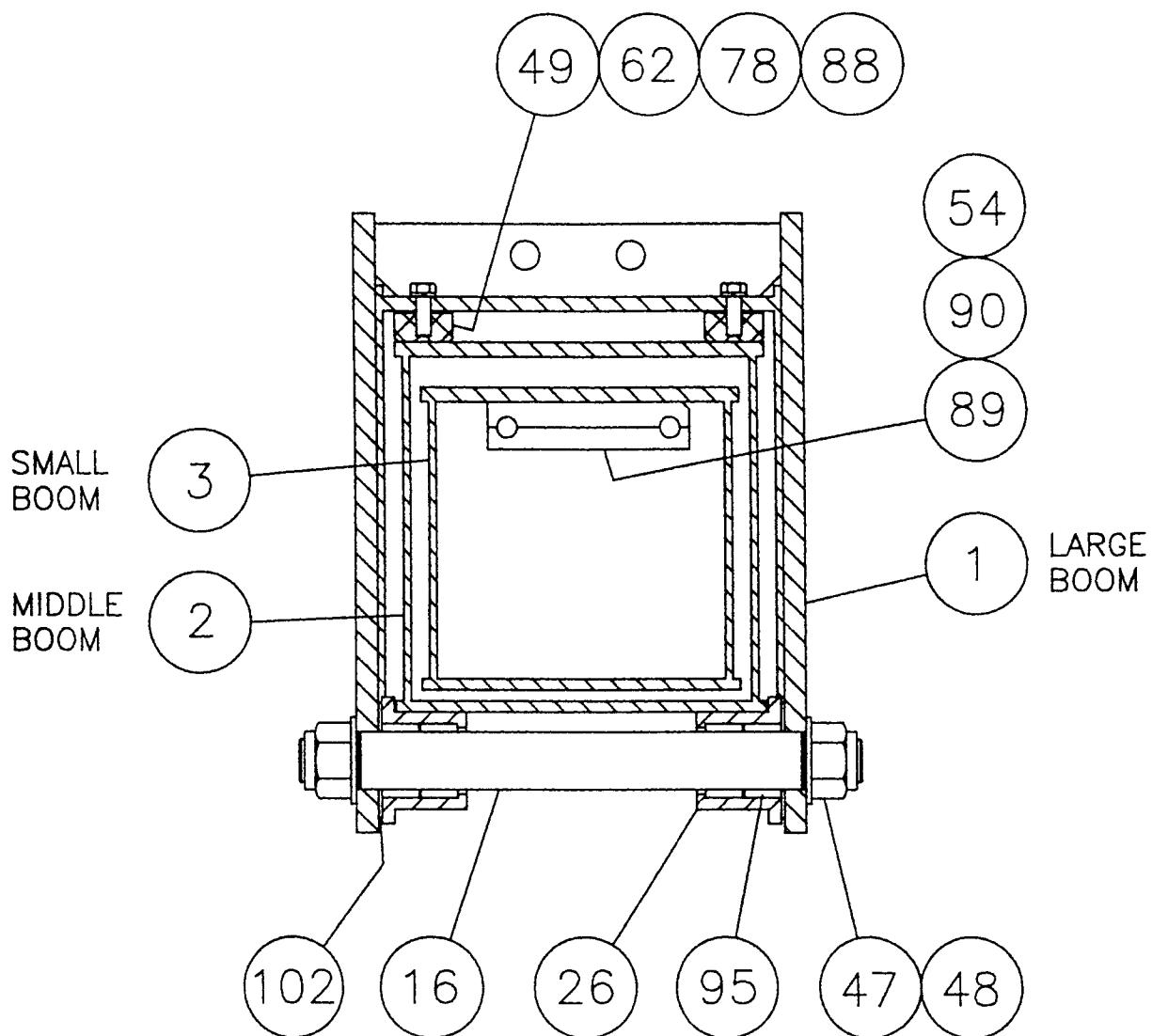
VIEW OF BOOM COPY  
GEARS & SPROCKETS



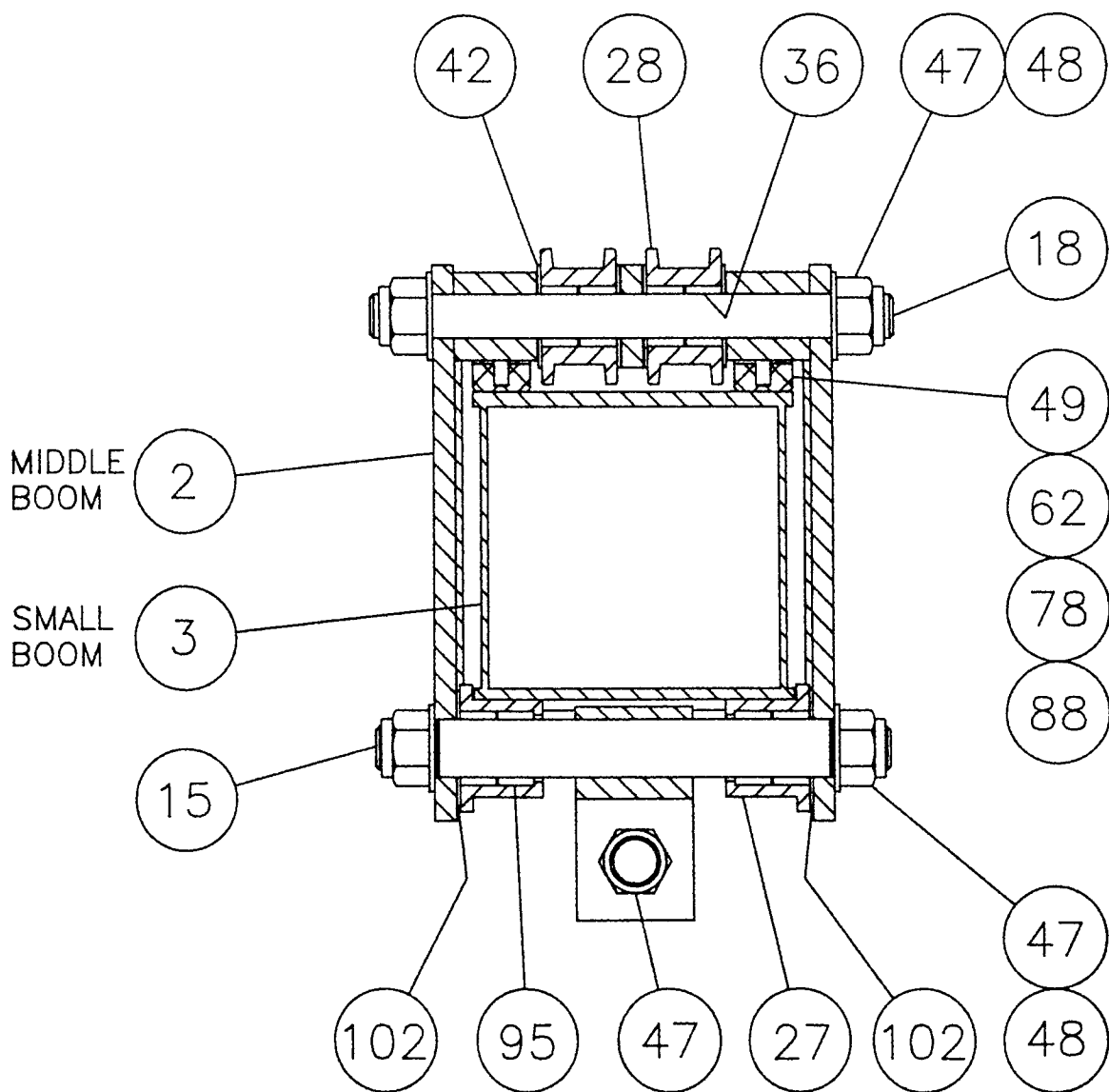
VIEW OF REAR ROLLERS  
SMALL & MIDDLE BOOMS



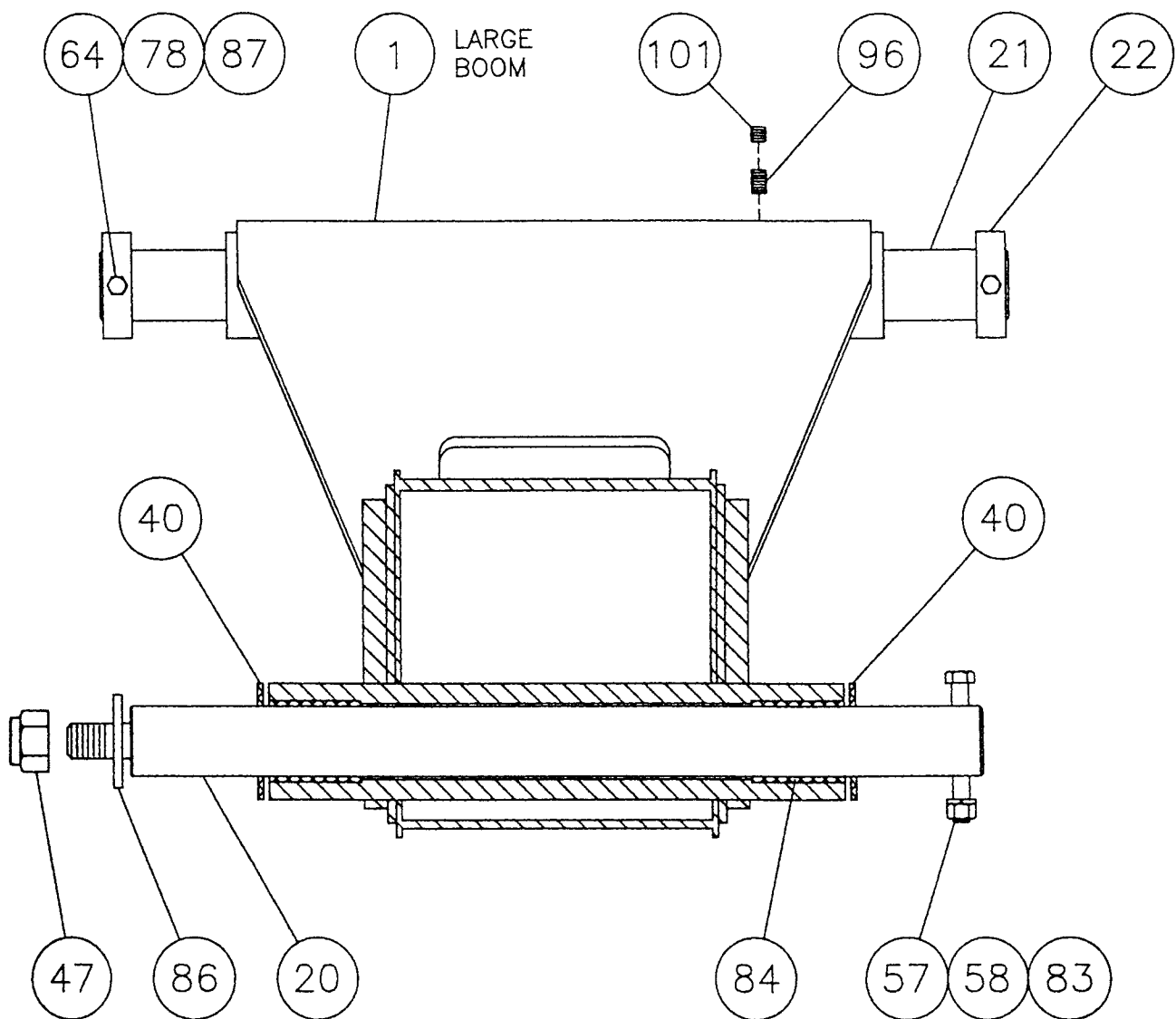
VIEW OF BOOM CYLINDER  
BASE END & HEAD SUPPORT



VIEW OF FRONT ROLLERS  
SUPPORTING MIDDLE BOOM



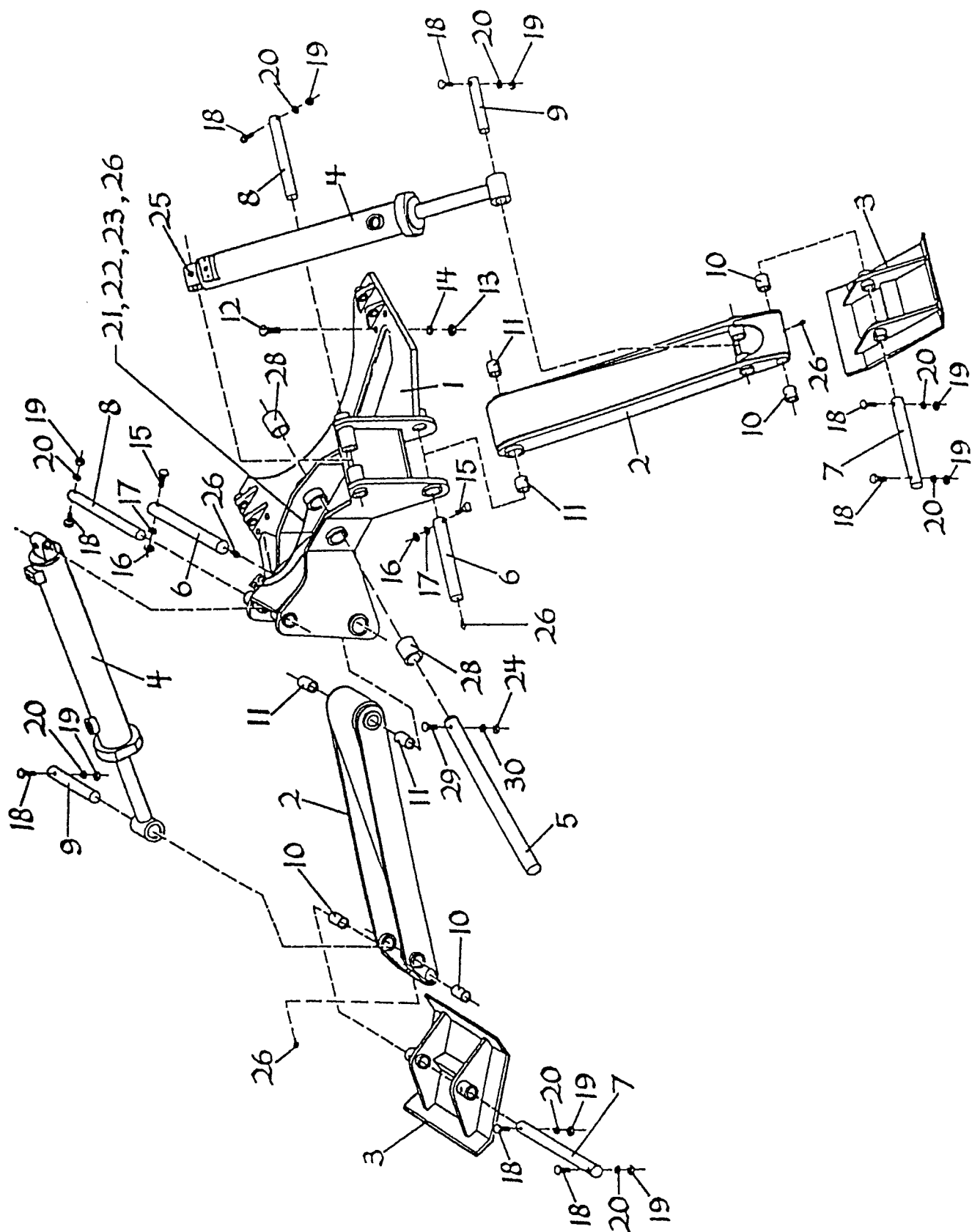
VIEW OF FRONT ROLLERS  
SUPPORTING SMALL BOOM



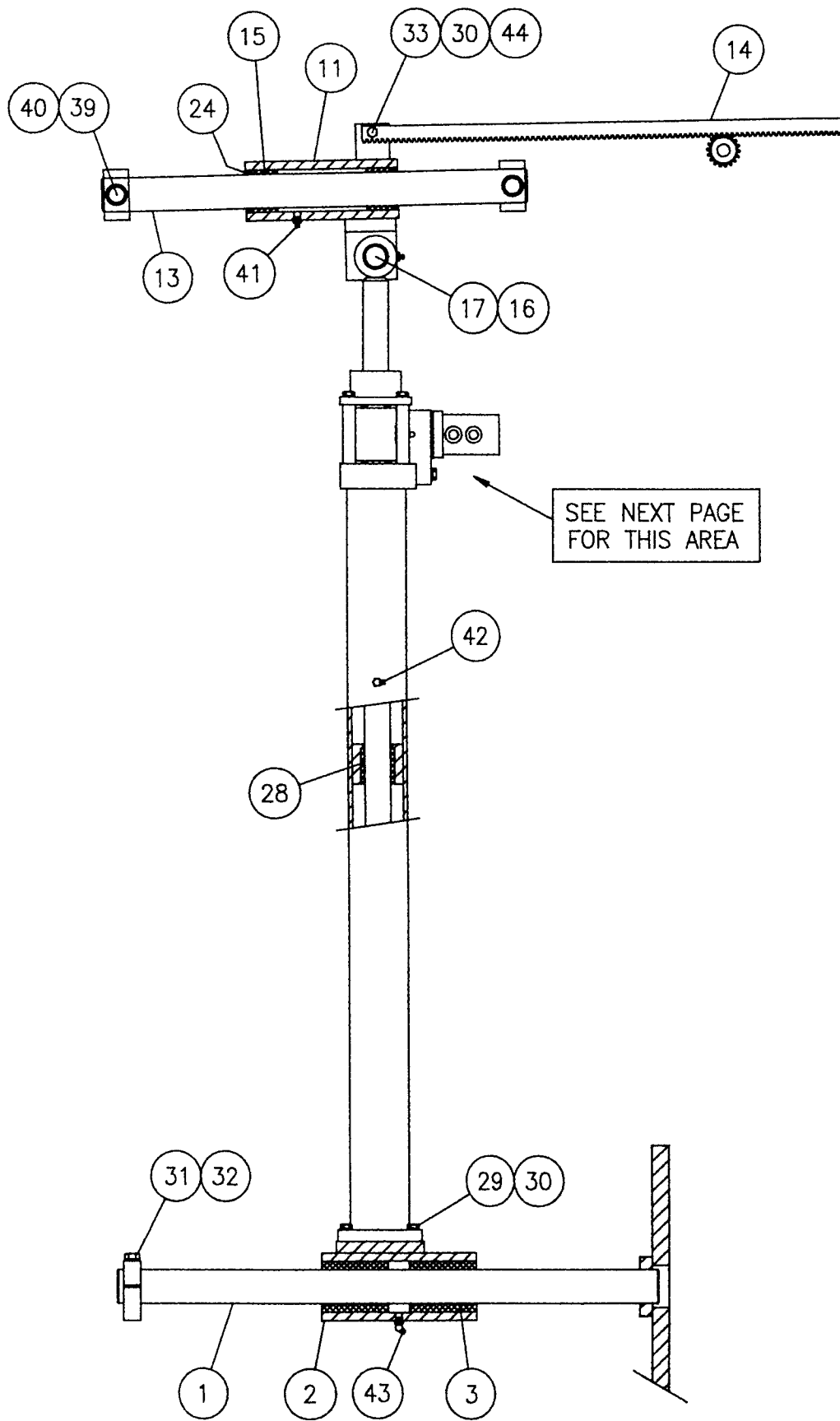
VIEW OF BOOM PIVOT PIN  
& LIFT CYLINDER TOP SHAFT

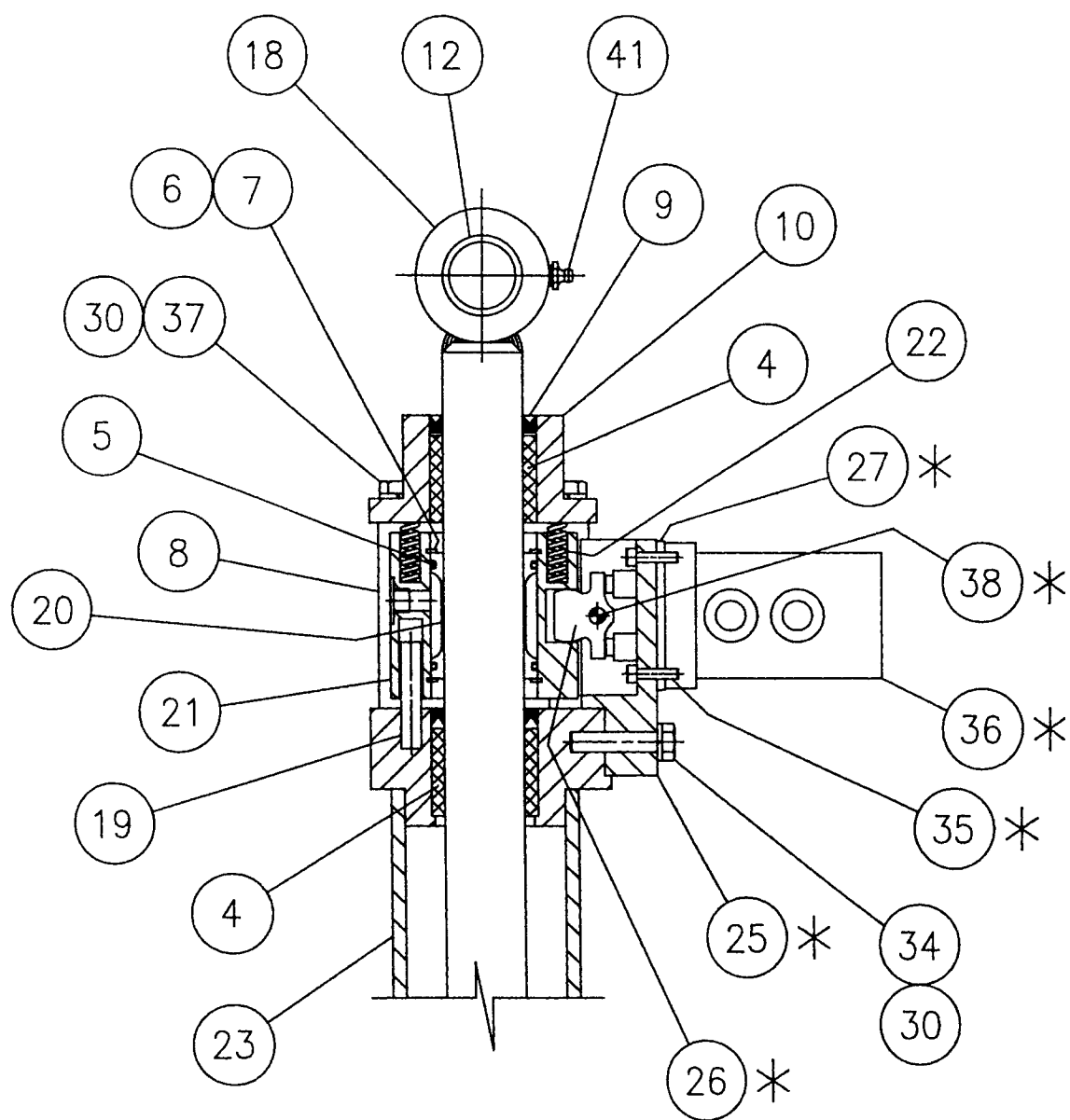
| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 4-1438    | LARGE BOOM                       | 1    |
| 2    | 4-1439    | MIDDLE BOOM                      | 1    |
| 3    | 4-1440    | SMALL BOOM                       | 1    |
| 4    | 7-316-17  | BOOM CYLINDER                    | REF  |
| 5    | 4-1239-1  | GEAR / 112 TEETH (1)             | REF  |
| 6    | 4-1239-2  | GEAR / 28 TEETH (1)              | REF  |
| 7    | 4-1239-3  | GEAR / 18 TEETH (1)              | REF  |
| 8    | 3-1243-1  | RACK (1)                         | REF  |
| 9    | 4-1239-4  | SPROCKET / 35 TEETH (1)          | REF  |
| 10   | 7-115-01  | SPROCKET / IDLER (1)             | REF  |
| 11   | 3-1186-1  | PIN / RACK DRIVE (1)             | REF  |
| 12   | 3-1186-2  | PIN / COPY SPROCKET (1)          | REF  |
| 13   | 4-1449-1  | PIN / S-BOOM / REAR-TOP          | 1    |
| 14   | 4-1073-2  | PIN / M-BOOM / REAR-BOT          | 1    |
| 15   | 4-1449-6  | PIN / M-BOOM / FRONT-BOT         | 1    |
| 16   | 4-1073-6  | PIN / L-BOOM / FRONT-BOT         | 1    |
| 17   | 4-1073-3  | PIN / M-BOOM / REAR-TOP          | 1    |
| 18   | 4-1073-4  | PIN / FRONT CHAIN SHEAVE         | 1    |
| 19   | 2-1052-3  | PIN / LEAF CHAIN                 | 6    |
| 20   | 3-1154-2  | CROSS SHAFT / MAIN PIVOT         | 1    |
| 21   | 3-1092-1  | CROSS SHAFT / HEAD LIFT CYLINDER | REF  |
| 22   | 6-2524-10 | COLLAR                           | REF  |
| 23   | 4-1074-1  | ROLLER / M-BOOM / REAR-TOP       | 2    |
| 24   | 4-1475-1  | ROLLER / S-BOOM / REAR-TOP       | 2    |
| 25   | 4-1074-2  | ROLLER / M-BOOM / REAR-BOT       | 2    |
| 26   | 4-1475-2  | ROLLER / M-BOOM / FRONT-BOT      | 2    |
| 27   | 4-1475-2  | ROLLER / L-BOOM / FRONT-BOT      | 2    |
| 28   | 4-1246-4  | SHEAVE / CHAIN / FRONT           | 2    |
| 29   | 4-1074-8  | SHEAVE / HOSE                    | 1    |
| 30   | 1-1013-2  | LEAF CHAIN / RETRACTION          | 1    |
| 31   | 1-1013-2  | LEAF CHAIN / EXTENSION           | 2    |
| 32   | 1-2030-2  | CHAIN / COPY / #40 (1)           | REF  |
| 33   | 4-1237-1  | CHAIN ANCHOR / ADJUSTABLE        | 2    |
| 34   | 4-1237-2  | CHAIN ANCHOR / BOLT-ON           | 1    |
| 35   | 4-1237-4  | CHAIN ANCHOR / PINNED            | 1    |
| 36   | 7-193-05  | NEEDLE BEARING / 1.500 ID        | 10   |
| 37   | 7-305-04  | BEARING / BRONZE FLANGE (1)      | REF  |
| 38   | 7-305-05  | BEARING / BRONZE FLANGE (2)      | REF  |
| 39   | 6-6600-04 | THRUST WASHER 3.50 x 1.50 x .188 | 4    |
| 40   | 6-6600-14 | THRUST WASHER 5.00 x 3.00 x .250 | 2    |
| 41   | 6-6600-05 | THRUST WASHER 4.00 x 2.00 x .188 | 2    |
| 42   | 6-6600-12 | THRUST WASHER 3.50 x 1.50 x .125 | 4    |
| 43   | 3-1244-1  | MANIFOLD BLOCK                   | 1    |
| 44   | 3-1245    | COVER / REAR ACCESS              | 1    |
| 45   | 3-1246    | GUARD / TILT VALVE               | 1    |
| 46   | 3-1189-1  | GUIDE / RACK (1)                 | REF  |
| 47   | 6-6206-24 | SELF-LOCKING NUT 1 1/2 NF        | 8    |
| 48   | 6-6215-24 | FLATWASHER 1 1/2                 | 6    |
| 49   | 2-1111    | WEAR PAD / BOOM                  | 4    |
| 50   | 4-1711-1  | SUPPORT / BOOM CYLINDER          | 1    |
| 51   | 6-4516-24 | BRONZE BUSHING / SMALL BOOM      | 2    |
| 52   | 6-5208-14 | CAPSCREW 1/2 NC x 1 3/4 LG.      | 2    |

| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 53   | 6-6201-06  | HEX NUT 3/8 NC                   | 3    |
| 54   | 6-6211-06  | LOCKWASHER 3/8                   | 13   |
| 55   | 6-6275-04  | SETSCREW 3/8 NC x 3/4 LG.        | 2    |
| 56   | 6-5312-68  | CAPSCREW 3/4 NF x 8 1/2 LG.      | 1    |
| 57   | 6-6202-12  | HEX NUT 3/4 NF                   | 2    |
| 58   | 6-6211-12  | LOCKWASHER 3/4                   | 4    |
| 59   | 6-5605-10  | CAPSCREW SH 5/16 NC x 1 1/4 (2)  | REF  |
| 60   | 6-6201-05  | HEX NUT 5/16 NC (2)              | REF  |
| 61   | 6-6211-05  | LOCKWASHER 5/16 (2)              | REF  |
| 62   | 6-5208-10  | CAPSCREW 1/2 NC x 1 1/4 LG.      | 8    |
| 63   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.        | 6    |
| 64   | 6-5208-44  | CAPSCREW 1/2 NC x 5 1/2 LG.      | REF  |
| 65   | 6-5206-24  | CAPSCREW 3/8 NC x 3 LG.          | 2    |
| 66   | 2-1090     | PIN / BASE BOOM CYLINDER         | REF  |
| 67   | 6-5312-12  | CAPSCREW 3/4 NF x 1 1/2 LG.      | 2    |
| 68   | 6-6243-06  | COTTER PIN 3/32 x 3/4 LG.        | 12   |
| 69   | 7-142-01   | SELF-LOCKING NUT 1-12 THD.       | 2    |
| 70   | 7-194-01   | SPRING / COMPRESSION             | 2    |
| 71   | 6-6215-16  | FLATWASHER 1.0                   | 2    |
| 72   | 3-1187-1   | MOUNT / IDLER SPROCKET (1)       | REF  |
| 73   | 6-5310-30  | CAPSCREW 5/8 NF x 3 3/4 LG. (1)  | REF  |
| 74   | 6-6202-10  | HEX NUT 5/8 NF (1)               | REF  |
| 75   | 7-261-05   | CONNECTING LINK / WITH CLIP (1)  | REF  |
| 76   | 6-5206-12  | CAPSCREW 3/8 NC x 1 1/2 LG. (4)  | REF  |
| 77   | 6-6212-06  | FLATWASHER 3/8                   | 6    |
| 78   | 6-6211-08  | LOCKWASHER 1/2                   | 10   |
| 79   | 7-194-43   | KEY / WOODRUFF 3/16 x 1 (4)      | REF  |
| 80   | 7-305-08   | THRUST WASHER (1)                | REF  |
| 81   | 7-305-07   | BEARING / BRONZE (1)             | REF  |
| 82   | 7-194-44   | COLLAR (1)                       | REF  |
| 83   | 6-5312-48  | CAPSCREW 3/4 NF x 6 LG.          | 1    |
| 84   | 6-4524-32  | BRONZE BUSHING / LARGE BOOM      | 2    |
| 85   | 6-5206-20  | CAPSCREW 3/8 NC x 2 1/2 LG.      | 2    |
| 86   | 6-6701-06  | WASHER                           | 1    |
| 87   | 6-6201-08  | HEX NUT 1/2 NC                   | 2    |
| 88   | 1-1101     | SHIM (AS REQ.)                   | REF  |
| 89   | 2-1109     | CLAMP / 1/2 HOSE                 | 1    |
| 90   | 6-5206-18  | CAPSCREW 3/8 NC x 2 1/4 LG.      | 2    |
| 91   | 3-1244-2   | SPACER / MANIFOLD BLOCK          | 1    |
| 92   | 4-1074-3   | ROLLER / S-BOOM / REAR-BOT       | 2    |
| 93   | 4-1073-1   | PIN / S-BOOM / REAR-BOT          | 1    |
| 94   | 6-6600-03  | THRUST WASHER 3.00 x 2.00 x .188 | 2    |
| 95   | 7-193-07   | NEEDLE BEARING / 2.000 ID        | 16   |
| 96   | 6-6275-05  | SETSCREW 5/8 NC x 1 LG.          | 1    |
| 97   | 6-5206-22  | CAPSCREW 3/8 NC x 2 3/4 LG.      | REF  |
| 98   | 6-5206-28  | CAPSCREW 3/8 NC x 3 1/2 LG.      | 1    |
| 99   | 6-6301     | LUBE FITTING 1/8 NPT STR         | 4    |
| 100  | 6-6306     | LUBE FITTING 1/4-28 STR          | 8    |
| 101  | 6-6275-07  | SETSCREW 5/8 NC x 5/8 LG.        | 1    |
| 102  | 6-6600-06  | THRUST WASHER 4.00 x 2.00 x .125 | 4    |
| 103  | 6-9600-119 | EDGING 1/2 x 14 7/8 LG.          | 1    |



| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | 4-1442     | STABILIZER FRAME                | 1    |
| 2    | 4-1166     | STABILIZER ARM                  | 2    |
| 3    | 3-1143     | STABILIZER PAD                  | 2    |
| 4    | 7-316-12   | STABILIZER CYLINDER (2)         | REF  |
| 5    | 4-1449-5   | PIN / FRONT AXLE PIVOT (2)      | REF  |
| 6    | 2-1093     | PIN / ARM to STABILIZER FRAME   | 2    |
| 7    | 6-3612-02  | PIN / ARM to PAD                | 2    |
| 8    | 6-3312-102 | PIN / BASE STABILIZER CYLINDER  | 2    |
| 9    | 6-3012-02  | PIN / HEAD STABILIZER CYLINDER  | 2    |
| 10   | 7-296-01   | TENSION BUSHING 1.50 ID (4)     | REF  |
| 11   | 7-296-02   | TENSION BUSHING 2.00 ID (4)     | REF  |
| 12   | 6-5312-28  | CAPSCREW 3/4 NF x 3 1/2 LG. (8) | REF  |
| 13   | 6-6202-12  | HEX NUT 3/4 NF (8)              | REF  |
| 14   | 6-6211-12  | LOCKWASHER 3/4 (8)              | REF  |
| 15   | 6-5208-30  | CAPSCREW 1/2 NC x 3 3/4 LG.     | 2    |
| 16   | 6-6201-08  | HEX NUT 1/2 NC                  | 2    |
| 17   | 6-6211-08  | LOCKWASHER 1/2                  | 2    |
| 18   | 6-5206-24  | CAPSCREW 3/8 NC x 3 LG.         | 8    |
| 19   | 6-6201-06  | HEX NUT 3/8 NC                  | 8    |
| 20   | 6-6211-06  | LOCKWASHER 3/8                  | 8    |
| 21   | 6-7002-22  | HOSE / 04 x 04 x 11 LG.         | 1    |
| 22   | 6-7022-34  | HOSE / 04 x 04-90 x 17 LG.      | 1    |
| 23   | 6-6474-01  | FITTING / 02 NPT x 04 JIC M-BH  | 2    |
| 24   | 6-6201-08  | HEX NUT 1/2 NC (1)              | REF  |
| 25   | 6-6303     | LUBE FITTING 1/8 NPT x 45       | 2    |
| 26   | 6-6301     | LUBE FITTING 1/8 NPT STR.       | 6    |
| 27   | 6-6425-03  | FITTING / 02 NPT x 04 JIC STR   | 1    |
| 28   | 1-1114     | BRONZE BUSHING                  | 2    |
| 29   | 6-5208-44  | CAPSCREW 1/2 NC x 5 1/2 LG. (1) | REF  |
| 30   | 6-6211-08  | LOCKWASHER 1/2 (1)              | REF  |
| 31   | 6-6427-03  | FITTING / 02 NPT x 04 JIC 90    | 1    |

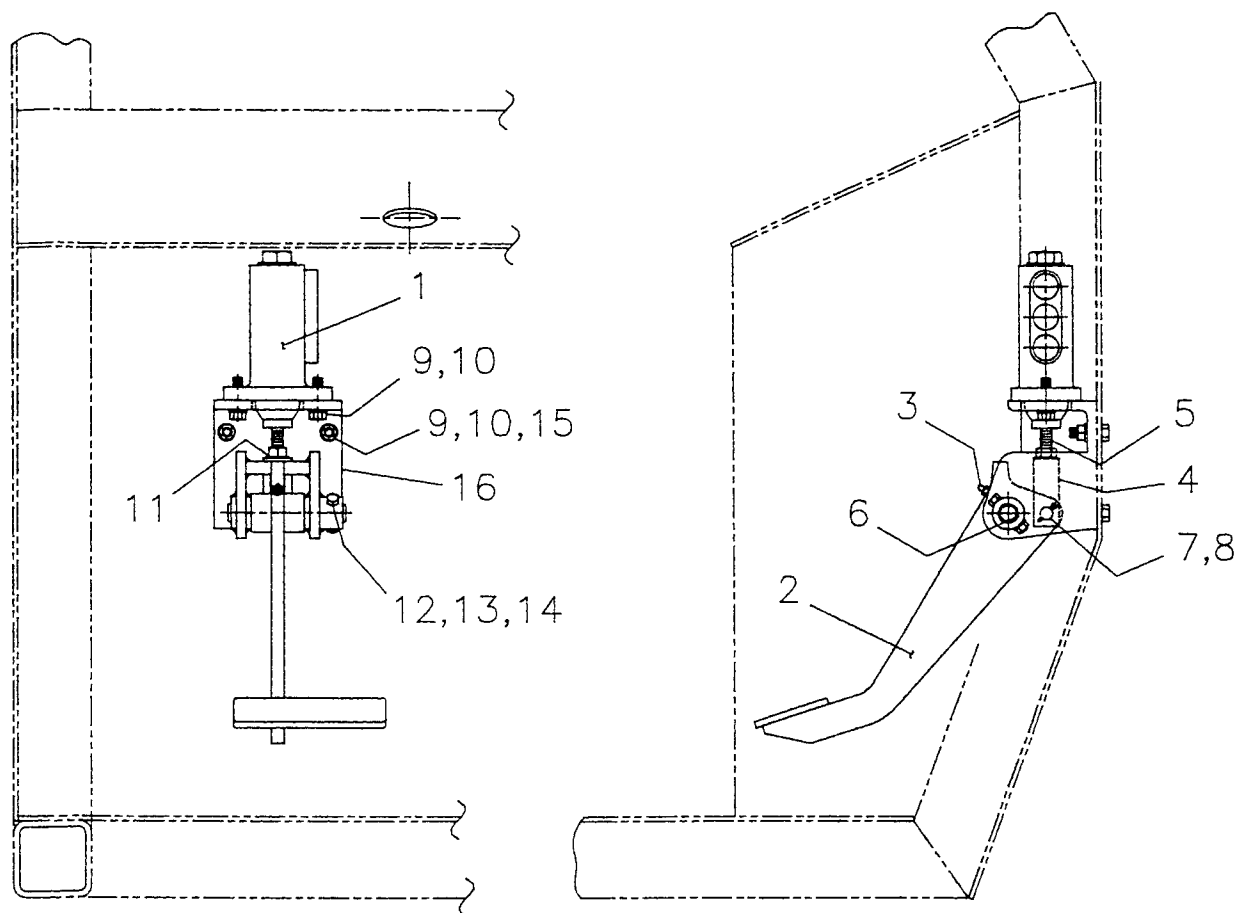




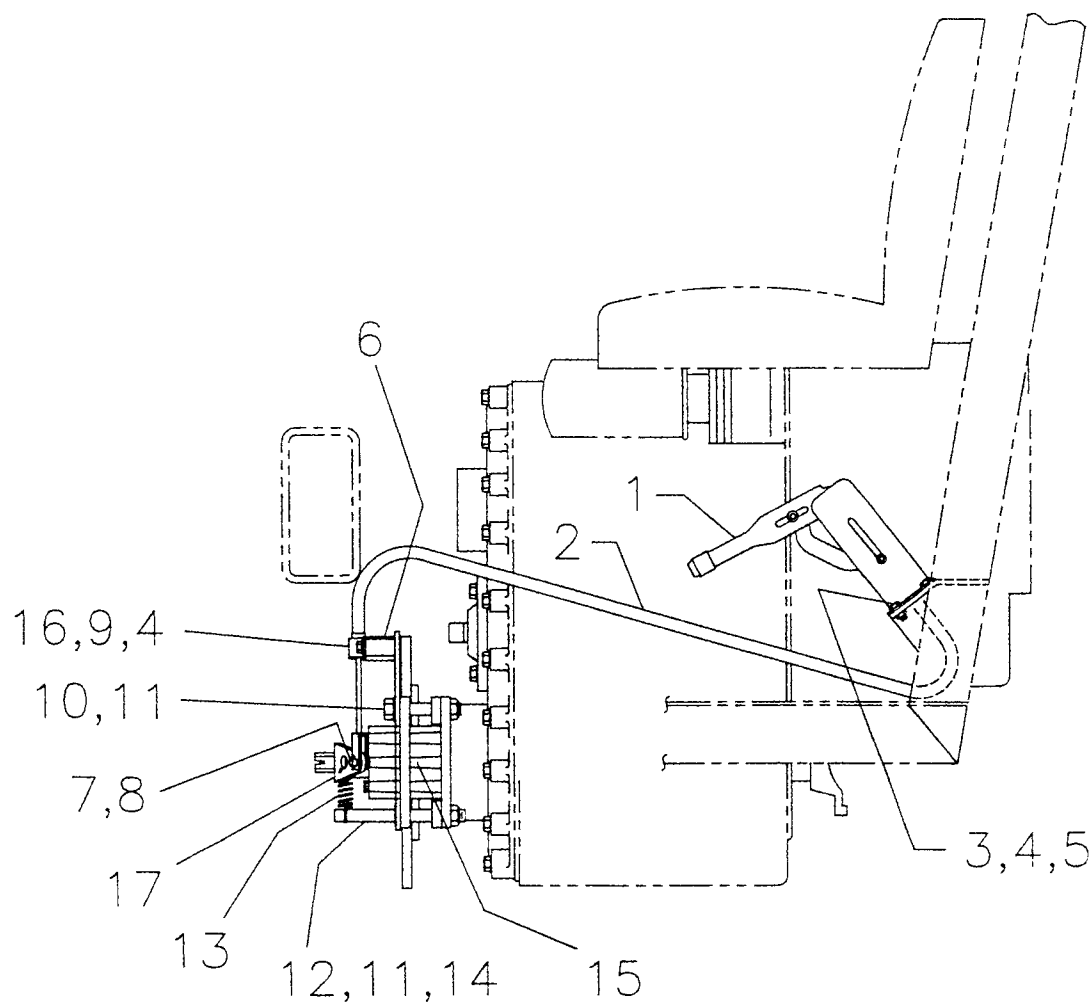
\* (45) PRE-SET AUTO-CONTROLLER ASSEMBLY

| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 4-1449-2  | SHAFT / LOWER COPY                | 1    |
| 2    | 4-1072    | LOWER SLIDE                       | 1    |
| 3    | 7-259-01  | LINEAR BEARING / LOWER SLIDE      | 2    |
| 4    | 6-4512-13 | BRONZE BUSHING 1.50 ID x 1.62 LG  | 2    |
| 5    | 7-209-60  | O-RING 2 OD x 3/32                | 2    |
| 6    | 7-239-02  | SNAP RING                         | 1    |
| 7    | 7-239-03  | SNAP RING                         | 1    |
| 8    | 1-1010    | SPACER                            | 4    |
| 9    | 7-209-32  | WIPER 1 1/2 ID                    | 2    |
| 10   | 3-1241    | CAP WELDMENT                      | 1    |
| 11   | 4-1478    | UPPER SLIDE                       | 1    |
| 12   | 1-1035    | BRONZE BUSHING                    | 2    |
| 13   | 4-1449-3  | UPPER COPY SHAFT                  | 1    |
| 14   | 3-1243-1  | RACK                              | REF  |
| 15   | 7-193-01  | BEARING / INNER RACE              | 2    |
| 16   | 7-194-39  | HAIR PIN COTTER                   | 2    |
| 17   | 4-1078-2  | PIN / YOKE                        | 1    |
| 18   | 3-1242    | LIFT COPY SHAFT                   | 1    |
| 19   | 6-6223-16 | DOWEL 3/8 x 2 LG.                 | 2    |
| 20   | 3-1077    | BRAKE SLEEVE                      | 1    |
| 21   | 3-1076    | BRAKE HOUSING                     | 1    |
| 22   | 7-167-05  | SPRING / CENTERING                | 8    |
| 23   | 4-1479    | SUPPORT TUBE                      | 1    |
| 24   | 7-209-33  | WIPER 2 ID                        | 2    |
| 25   | 3-1067-1  | MOUNT / AUTO CONTROLLER           | 1    |
| 26   | 3-1067-2  | ROCKER ARM                        | 1    |
| 27   | 1-1089    | SPACER PLATE / MODIFIED           | 1    |
| 28   | 6-4512-16 | BRONZE BUSHING 1.50 ID x 2.00 LG  | 1    |
| 29   | 6-5206-12 | CAPSCREW 3/8 NC x 1 1/2 LG.       | 4    |
| 30   | 6-6211-06 | LOCKWASHER 3/8                    | 11   |
| 31   | 6-5208-18 | CAPSCREW 1/2 NC x 2 1/4 LG.       | 1    |
| 32   | 6-6211-08 | LOCKWASHER 1/2                    | 1    |
| 33   | 6-5206-20 | CAPSCREW 3/8 NC x 2 1/2 LG.       | 1    |
| 34   | 6-5206-14 | CAPSCREW 3/8 NC x 1 3/4 LG.       | 2    |
| 35   | 7-194-10  | CAPSCREW / 5 MM x 20 MM LG.       | 4    |
| 36   | 7-200-82  | CONTROLLER / AUTO                 | REF  |
| 37   | 6-5206-36 | CAPSCREW 3/8 NC x 4 1/2 LG.       | 4    |
| 38   | 6-6222-16 | DOWEL 5/16 x 2 LG.                | 1    |
| 39   | 6-5310-24 | CAPSCREW 5/8 NF x 3 LG.           | 2    |
| 40   | 6-6211-10 | LOCKWASHER 5/8                    | 2    |
| 41   | 6-6301    | LUBE FITTING 1/8 NPT STR.         | 2    |
| 42   | 6-6302    | LUBE FITTING 1/8 NPT 90           | 1    |
| 43   | 6-6303    | LUBE FITTING 1/8 NPT 45           | 1    |
| 44   | 6-6201-06 | HEX NUT 3/8 NC                    | 1    |
| 45   | 7-900-08  | ASSEMBLY(ITEMS 25,26,27,35,36,38) | REF  |

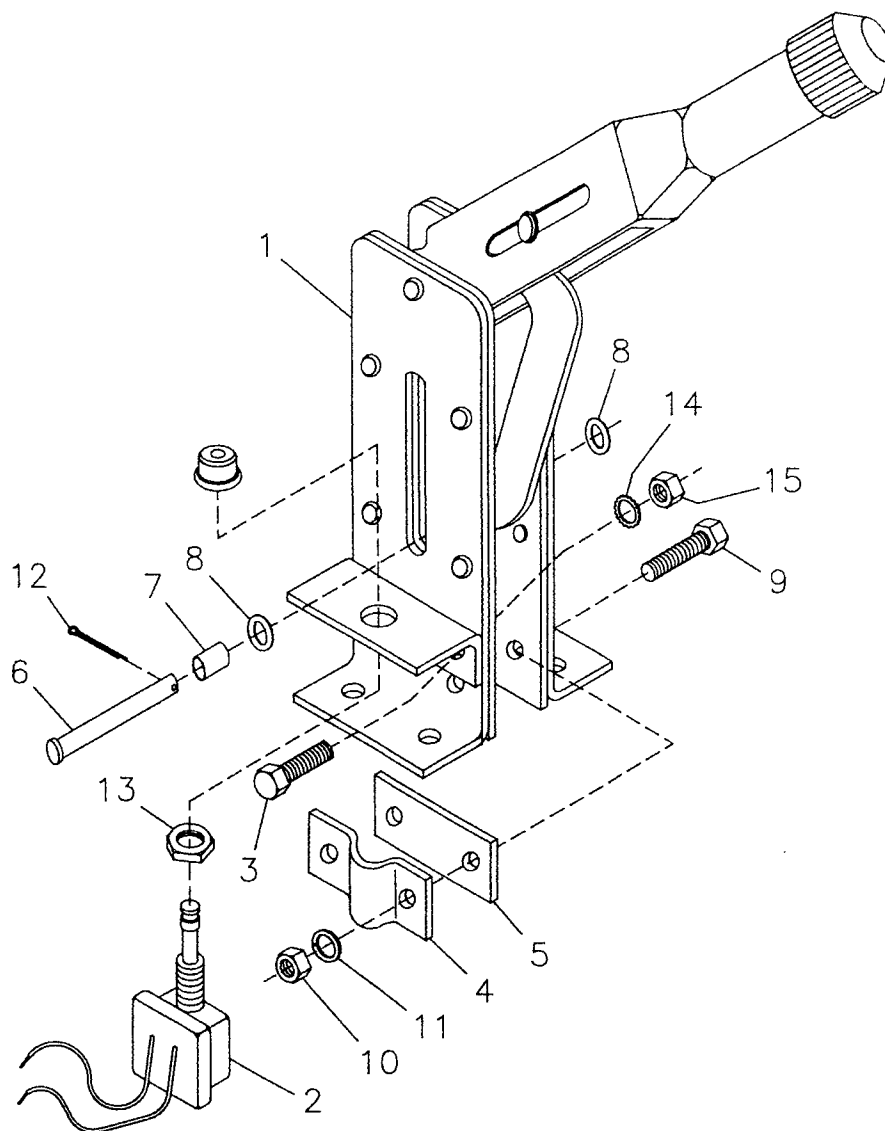
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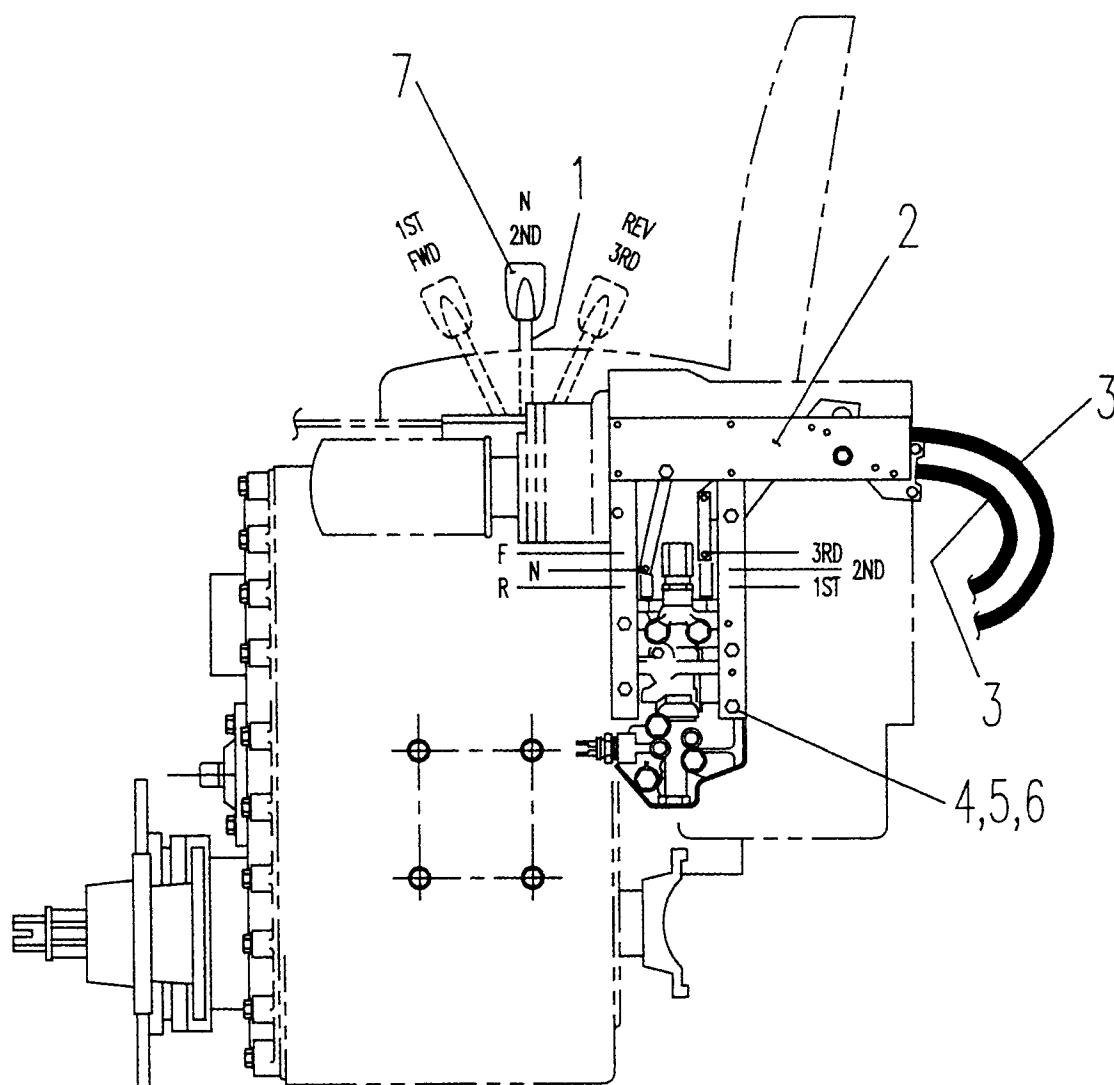
| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-198-39  | ACTUATOR / BRAKE             | REF  |
| 2    | 3-1148    | PEDAL / BRAKE                | 1    |
| 3    | 6-6306    | LUBE FITTING 1/4-28 THD.     | 1    |
| 4    | 1-1008    | YOKE / BRAKE                 | 1    |
| 5    | 1-1009    | PUSH ROD                     | 1    |
| 6    | 2-1117    | PIN / BRAKE PEDAL            | 1    |
| 7    | 6-6261-12 | CLEVIS PIN 1/2 x 1 1/2 LG.   | 1    |
| 8    | 6-6245-08 | COTTER PIN 5/32 x 1 LG.      | 1    |
| 9    | 6-5206-10 | CAPSCREW 3/8 NC x 1 1/4 LG.  | 5    |
| 10   | 6-6211-06 | LOCKWASHER 3/8               | 5    |
| 11   | 6-6202-08 | HEX NUT 1/2 NF               | 1    |
| 12   | 6-5205-14 | CAPSCREW 5/16 NC x 1 3/4 LG. | 1    |
| 13   | 6-6211-05 | LOCKWASHER 5/16              | 1    |
| 14   | 6-6201-05 | HEX NUT 5/16 NC              | 1    |
| 15   | 6-6201-06 | HEX NUT 3/8 NC               | 3    |
| 16   | 4-1582    | MOUNT / BRAKE PEDAL          | 1    |



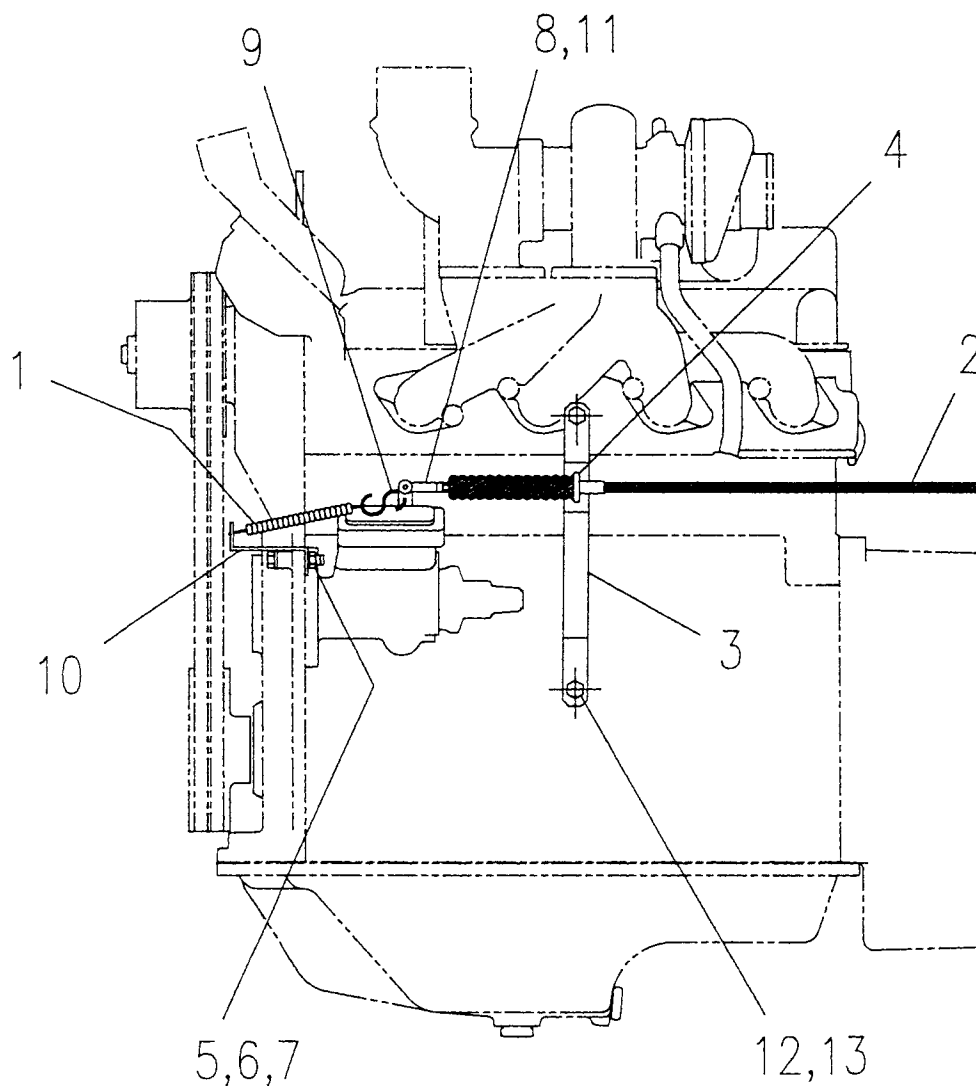
| ITEM | NUMBER    | DESCRIPTION                 | REQD |
|------|-----------|-----------------------------|------|
| 1    | 7-120-09  | HAND BRAKE ASSY             | 1    |
| 2    | 7-208-03  | CABLE / PARKING BRAKE       | 1    |
| 3    | 6-5205-08 | CAPSCREW 5/16 NC x 1 LG.    | 4    |
| 4    | 6-6211-05 | LOCKWASHER 5/16             | 6    |
| 5    | 6-6201-05 | HEX NUT 5/16 NC             | 4    |
| 6    | 3-1333    | MOUNT / DISC BRAKE CABLE    | 1    |
| 7    | 6-6259-06 | CLEVIS PIN 3/8 x 3/4 LG.    | 1    |
| 8    | 6-6245-08 | COTTER PIN 5/32 x 1 LG.     | 1    |
| 9    | 7-208-02  | CLIP / CABLE MOUNTING       | 1    |
| 10   | 6-5310-32 | CAPSCREW 5/8 NF x 4 LG.     | 1    |
| 11   | 7-290-02  | SELF LOCKING JAM NUT 5/8 NF | 2    |
| 12   | 1-1145    | PIN / PARKING BRAKE SPRING  | 1    |
| 13   | 7-194-52  | SPRING / PARKING BRAKE      | 1    |
| 14   | 7-194-51  | SNAP RING / PARKING BRAKE   | 1    |
| 15   | 7-336-01  | CALIPER BRAKE ASSEMBLY      | 1    |
| 16   | 6-5205-06 | CAPSCREW 5/16 NC x 3/4 LG.  | 2    |
| 17   | 2-1172    | BRAKE LEVER MODIFICATION    | REF  |



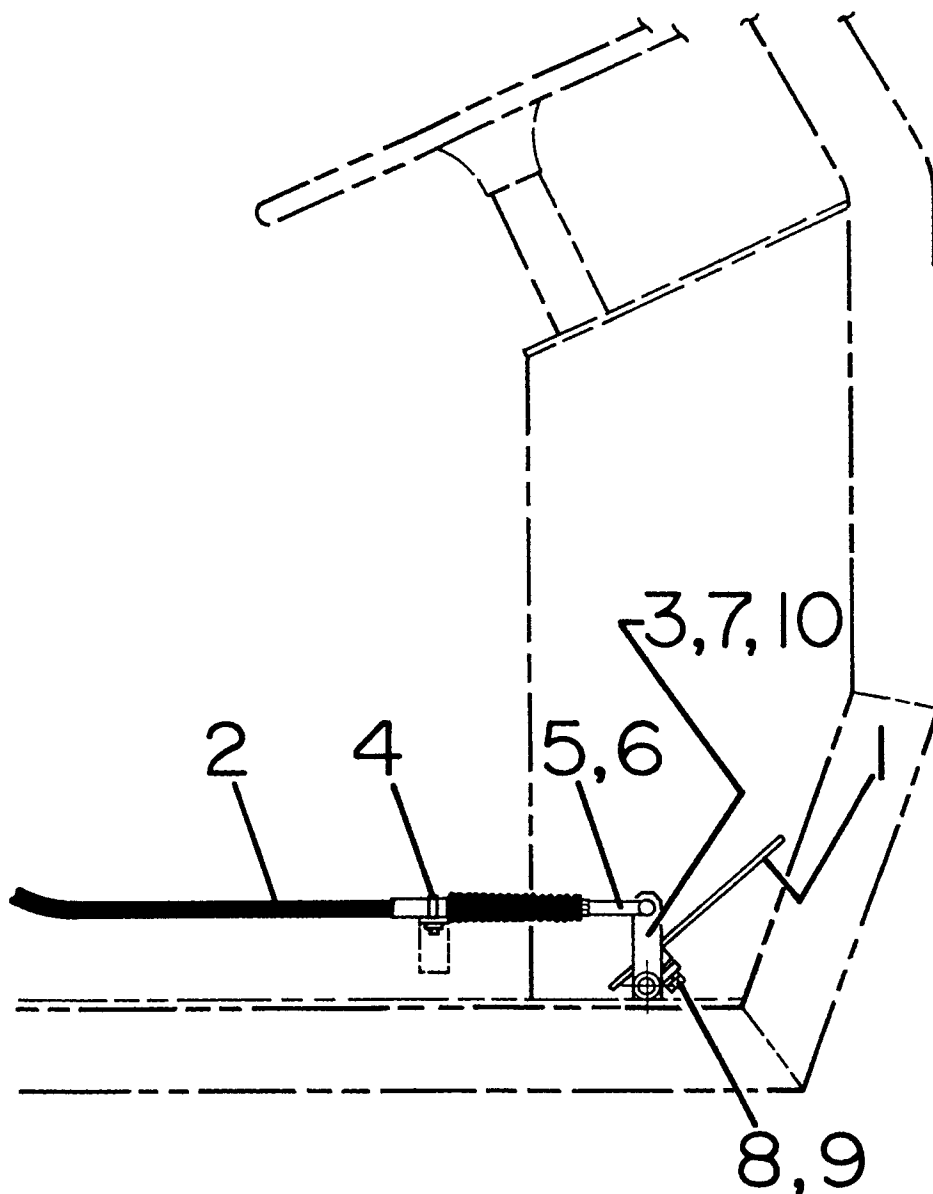
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-120-09  | HAND BRAKE ASSEMBLY            | REF  |
| 2    | 7-120-10  | SWITCH KIT                     | 1    |
| 3    | 6-5204-06 | CAPSCREW 1/4 NC x 3/4 LG.      | 2    |
| 4    | 7-120-04  | CLAMP                          | 1    |
| 5    | 7-120-05  | CLAMP BASE                     | 1    |
| 6    | 6-6258-18 | CLEVIS PIN 5/16 x 2 1/4 LG. SS | 1    |
| 7    | 7-120-07  | SPACER                         | 1    |
| 8    | 7-120-06  | WASHER                         | 2    |
| 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   | 6-6244-06 | COTTER PIN 1/8 x 3/4 LG.       | 1    |
| 13   | 7-120-08  | PAL NUT                        | 1    |
| 14   | 6-6216-04 | STARWASHER 1/4                 | 2    |
| 15   | 6-6201-04 | HEX NUT 1/4 NC                 | 2    |



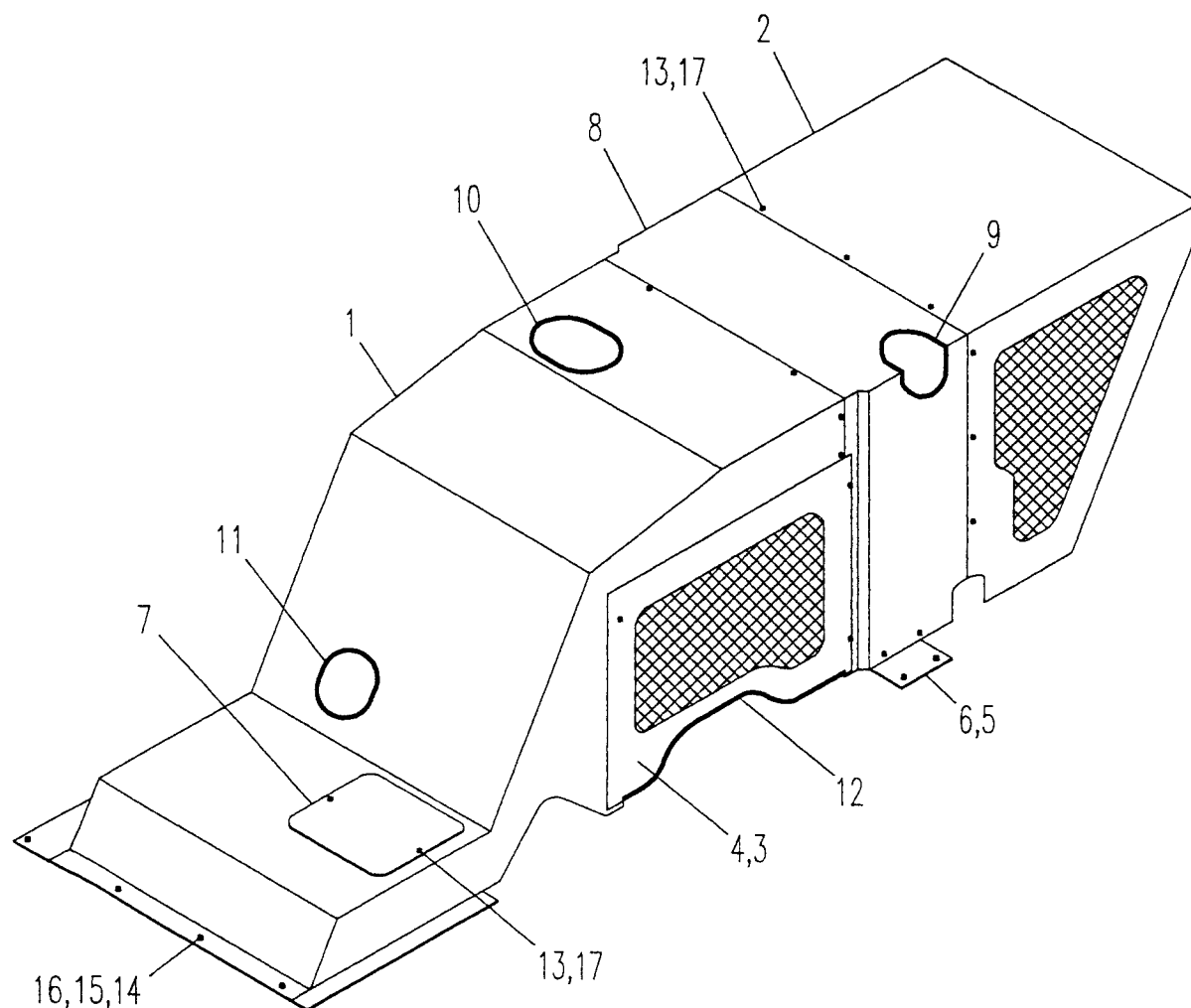
| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 7-249-01  | TRANSMISSION CONTROL ASSEMBLY | 1    |
| 2    | 7-249-15  | TRANSMISSION SHIFTING KIT     | 1    |
| 3    | 7-120-01  | CONTROL CABLE                 | 2    |
| 4    | 7-194-12  | STUD 3/8 NC x 5 LG.           | 4    |
| 5    | 6-6211-06 | LOCKWASHER 3/8                | 4    |
| 6    | 6-6201-06 | HEX NUT 3/8 NC                | 4    |
| 7    | 7-249-13  | SHIFTING KNOB / TRANSMISSION  | REF  |



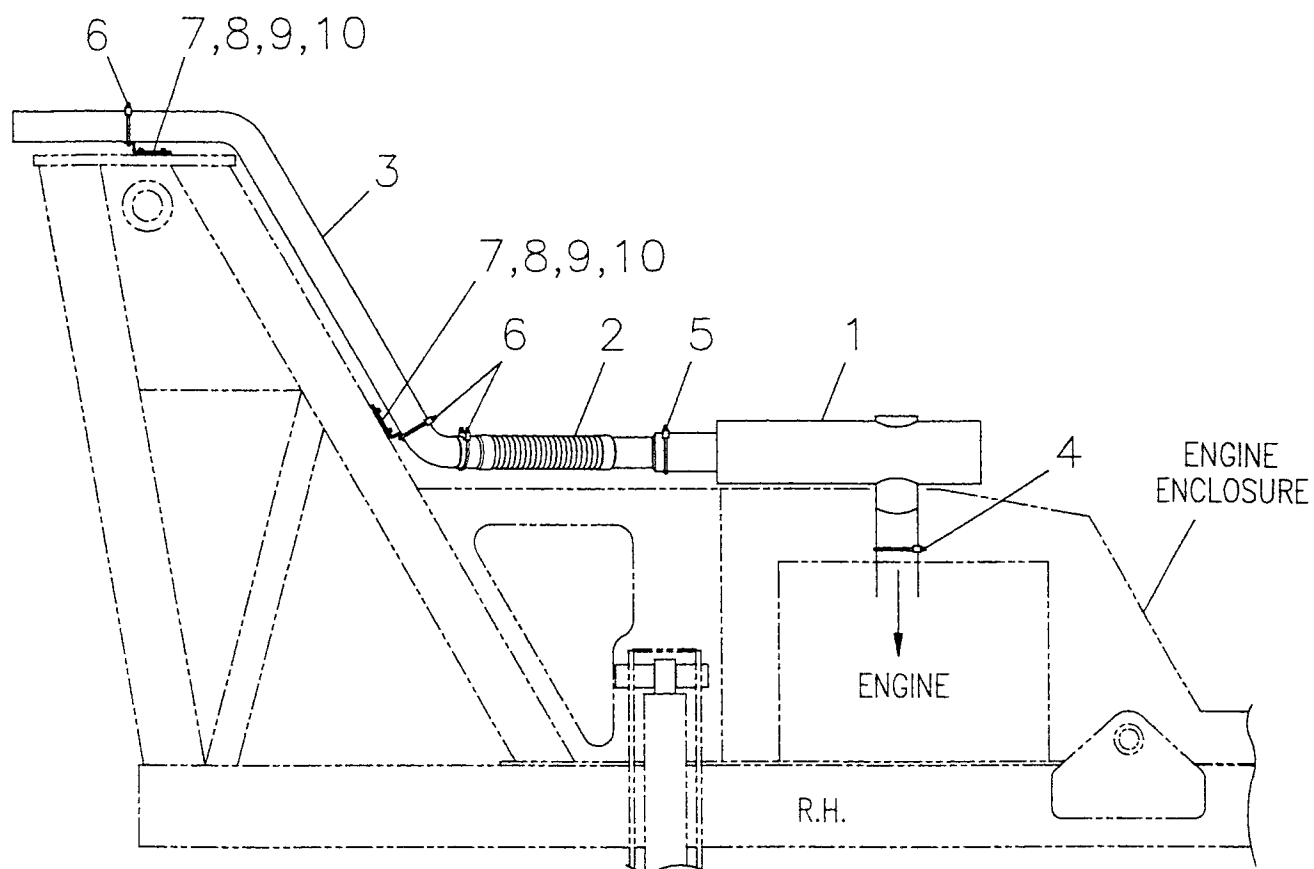
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-194-20  | SPRING / RETURN                 | 1    |
| 2    | 7-266-02  | CABLE / ACCELERATOR             | REF  |
| 3    | 3-1250    | MOUNT / ACCELERATOR CABLE       | 1    |
| 4    | 7-194-07  | U-BOLT W/ NUTS                  | 1    |
| 5    | 6-5206-14 | CAPSCREW 3/8 NC x 1 3/4 LG.     | 1    |
| 6    | 6-6211-06 | LOCKWASHER 3/8                  | 1    |
| 7    | 6-6201-06 | HEX NUT 3/8 NC                  | 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   | 6-5209-08 | CAPSCREW 9/16 NC x 1 LG.        | REF  |
| 13   | 6-6211-09 | LOCKWASHER 9/16                 | REF  |



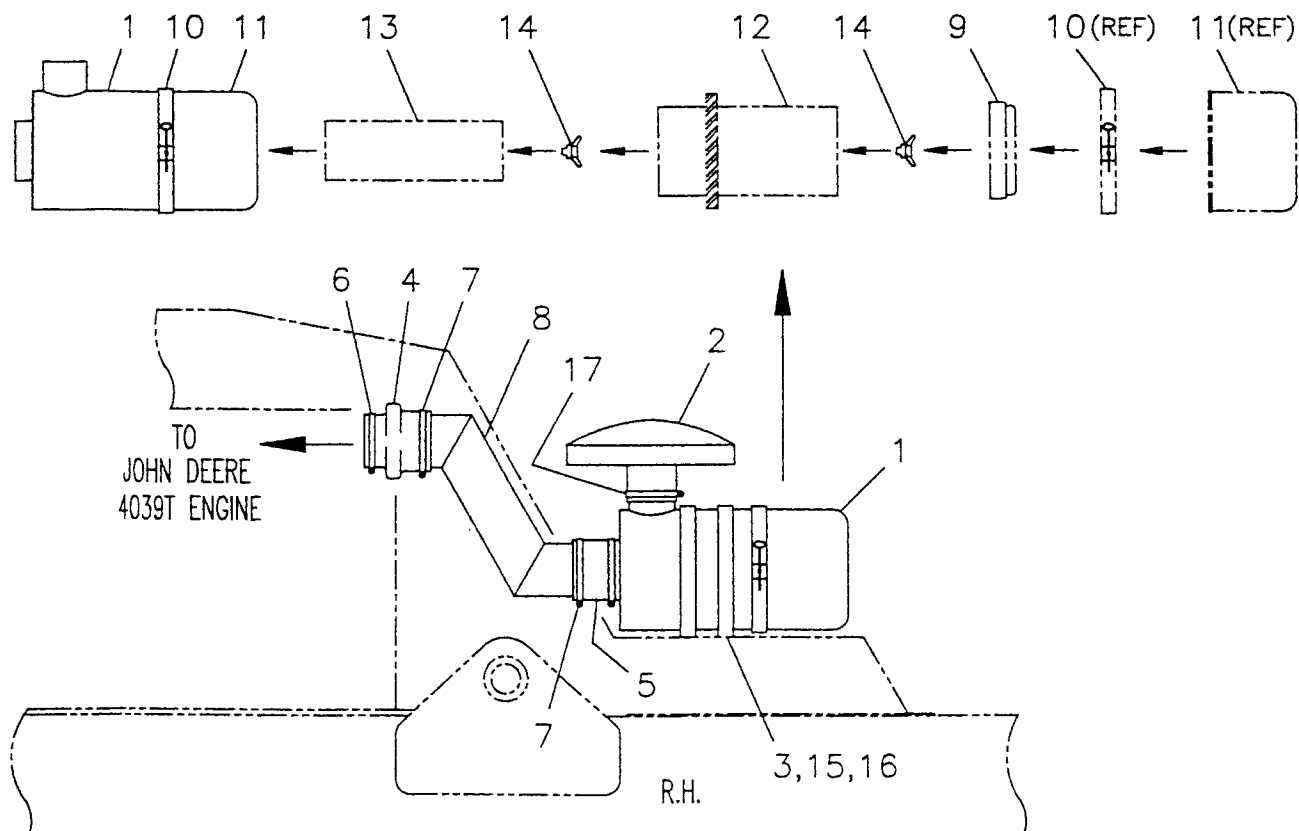
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 3-1080    | PEDAL / ACCELERATOR             | 1    |
| 2    | 7-266-02  | CABLE / ACCELERATOR             | 1    |
| 3    | 3-1081    | LINKAGE / ACCELERATOR           | 1    |
| 4    | 7-194-07  | U-BOLT W/ NUTS                  | 1    |
| 5    | 7-194-05  | YOKE W/ CLEVIS PIN & COTTER PIN | 1    |
| 6    | 6-6208-04 | JAM NUT 1/4-28 W/ CABLE         | REF  |
| 7    | 6-6306    | LUBE FITTING / 1/4-28 STR.      | 3    |
| 8    | 6-5204-08 | CAPSCREW 1/4 NC x 1 LG.         | 2    |
| 9    | 6-6211-04 | LOCKWASHER 1/4                  | 2    |
| 10   | 7-194-06  | SHIM / AS REQD                  | 2    |



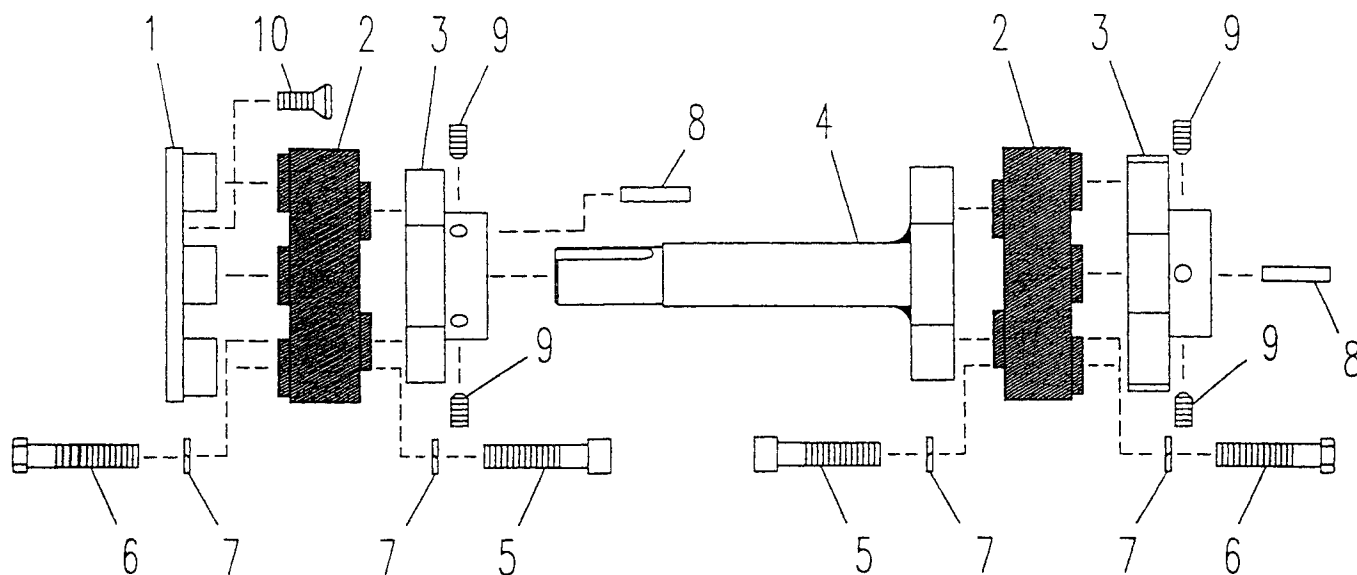
| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 4-1481     | HOUSING / FRONT                   | REF  |
| 2    | 4-1482     | HOUSING / REAR                    | REF  |
| 3    | 4-1483-10  | SIDE PANEL / RH                   | REF  |
| 4    | 4-1483-20  | SIDE PANEL / LH                   | REF  |
| 5    | 3-1249-3   | SUPPORT BRACKET / RH              | REF  |
| 6    | 3-1249-2   | SUPPORT BRACKET / LH              | REF  |
| 7    | 3-1249-1   | ACCESS COVER                      | REF  |
| 8    | 4-1503     | HOUSING / MIDDLE                  | REF  |
| 9    | 6-9601-173 | EDGING 1/4 x 21 5/8 LG.           | 1    |
| 10   | 6-9601-110 | EDGING 1/4 x 13 3/4 LG.           | 1    |
| 11   | 6-9601-130 | EDGING 1/4 x 16 1/4 LG.           | 1    |
| 12   | 6-9601-224 | EDGING 1/4 x 28 LG.               | 2    |
| 13   | 7-290-01   | BODY BOLT 5/16 NC x 3/4 LG. (27)  | REF  |
| 14   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.         | 9    |
| 15   | 6-6211-06  | LOCKWASHER 3/8                    | 9    |
| 16   | 6-6212-06  | FLATWASHER 3/8                    | 9    |
| 17   | 6-6212-04  | FLATWASHER 1/4                    | 27   |
| 18   | 4-1485     | ENGINE ENCLOSURE(ITEMS 1-8,13,17) | 1    |



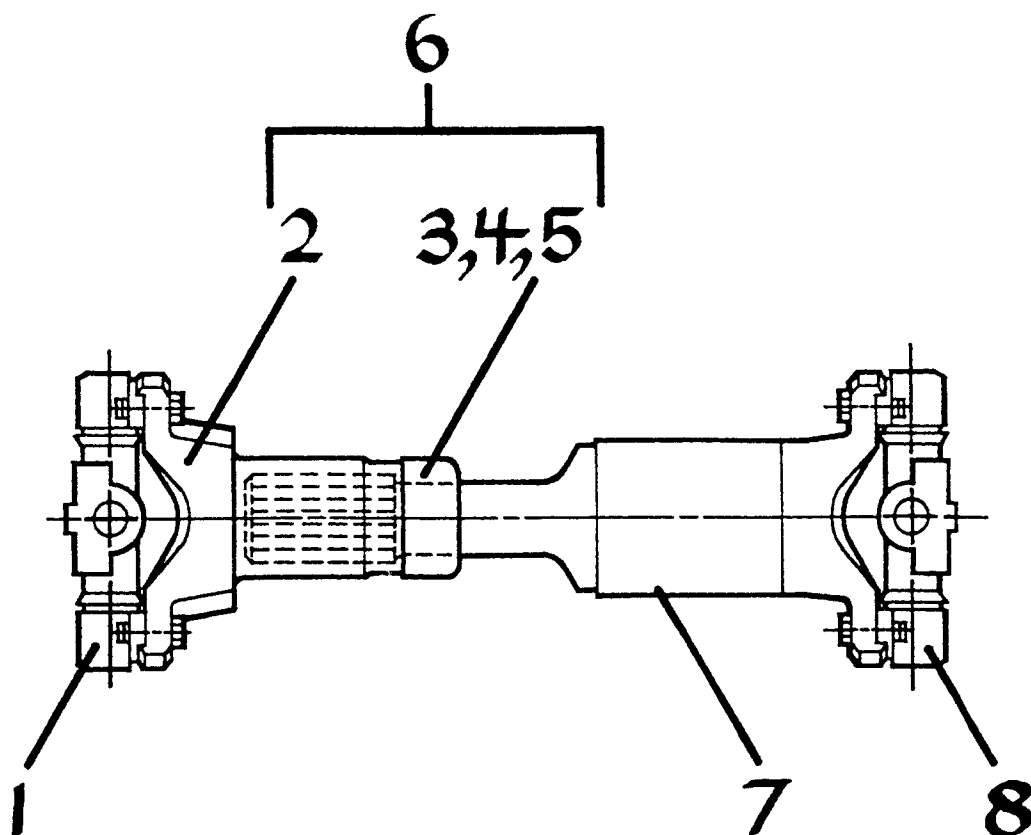
| ITEM | NUMBER    | DESCRIPTION                 | REQD |
|------|-----------|-----------------------------|------|
| 1    | 4-1484    | MUFFLER (MODIFIED)          | 1    |
| 2    | 4-1512    | FLEXIBLE EXHAUST TUBE       | 1    |
| 3    | 4-1511    | TAILPIPE                    | 1    |
| 4    | 7-319-09  | CLAMP / MUFFLER / 4 IN.     | REF  |
| 5    | 7-319-11  | CLAMP / MUFFLER / 3 1/2 IN. | 1    |
| 6    | 7-319-10  | CLAMP / MUFFLER / 3 IN.     | 3    |
| 7    | 1-2018    | BRACKET                     | 2    |
| 8    | 6-5206-08 | CAPSCREW 3/8 NC x 1 LG.     | 4    |
| 9    | 6-6212-06 | FLATWASHER 3/8              | 4    |
| 10   | 1-1026    | VIBRATION PAD               | 2    |



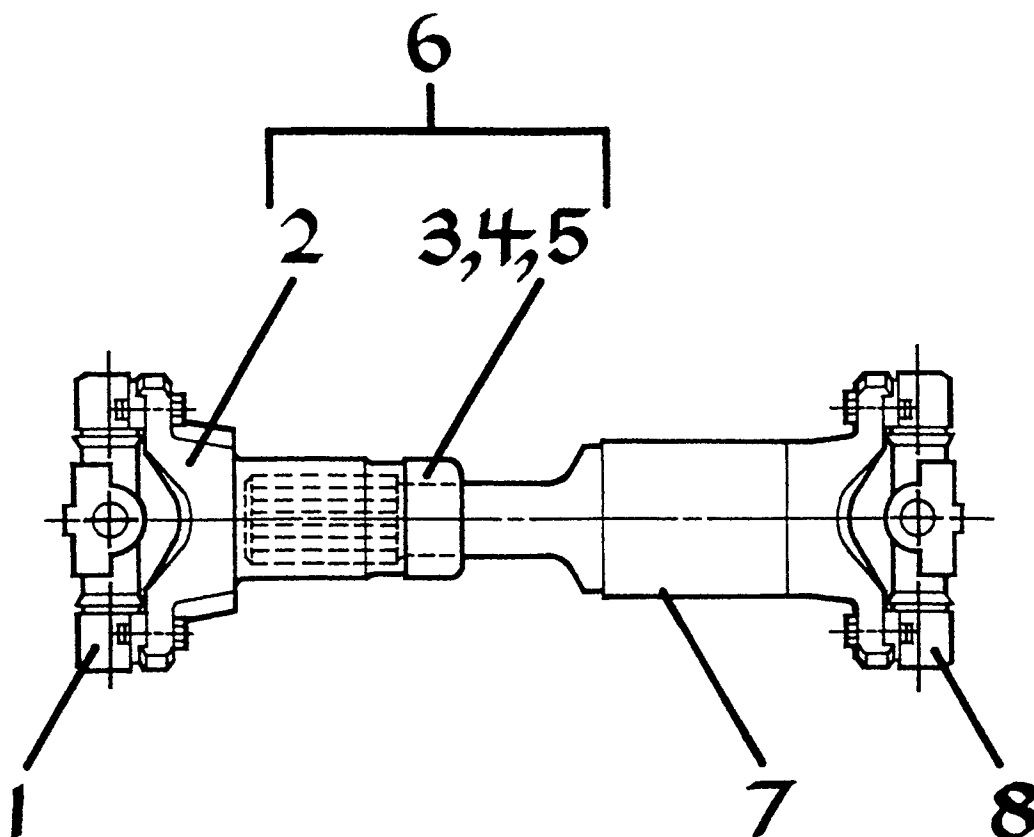
| ITEM | NUMBER    | DESCRIPTION                | REQD |
|------|-----------|----------------------------|------|
| 1    | 7-183-63  | AIR CLEANER ASSEMBLY       | REF  |
| 2    | 7-183-68  | HOOD                       | REF  |
| 3    | 7-135-02  | MOUNTING BAND              | 2    |
| 4    | 7-135-14  | HUMP REDUCER               | 1    |
| 5    | 6-9617-24 | RUBBER HOSE 3.5 ID x 3 LG. | 1    |
| 6    | 6-6252-13 | CLAMP / WORM               | 1    |
| 7    | 6-6252-15 | CLAMP / WORM               | 3    |
| 8    | 3-1247    | AIR INLET PIPE             | 1    |
| 9    | 7-183-61  | BAFFLE                     | REF  |
| 10   | 7-183-60  | CLAMP ASSEMBLY / BODY      | REF  |
| 11   | 7-183-62  | CUP                        | REF  |
| 12   | 7-183-58  | FILTER / PRIMARY           | REF  |
| 13   | 7-183-57  | FILTER / SAFETY            | REF  |
| 14   | 7-183-59  | WING NUT / with WASHER     | REF  |
| 15   | 6-5205-06 | CAPSCREW 5/16 NC x 3/4 LG. | 4    |
| 16   | 6-6211-05 | LOCKWASHER 5/16            | 4    |
| 17   | 6-6252-15 | CLAMP / WORM (WITH ITEM 2) | REF  |



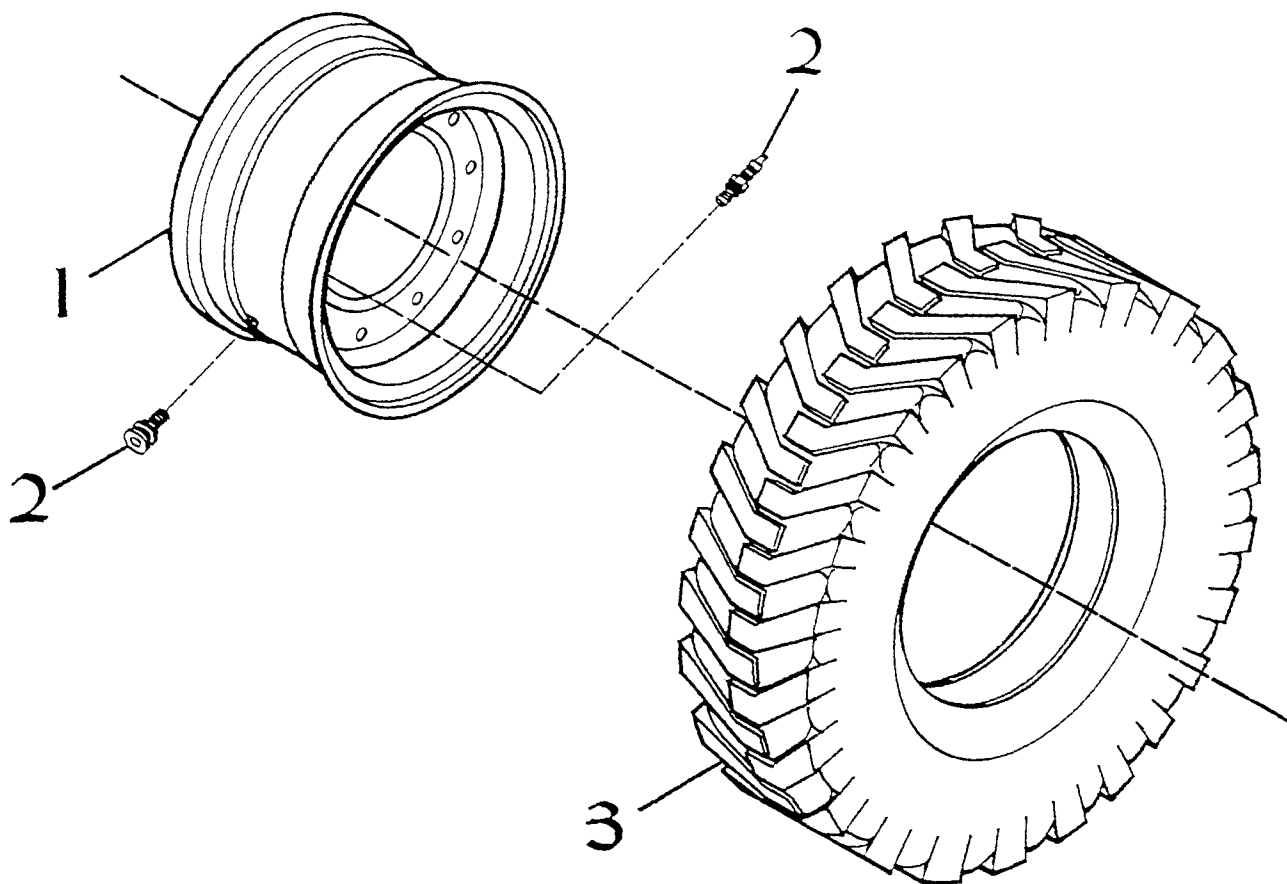
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 3-1253    | DRIVE FLANGE / ENGINE SIDE     | 1    |
| 2    | 7-190-03  | FLEXIBLE COUPLING              | 2    |
| 3    | 4-1475-3  | DRIVE FLANGE                   | 2    |
| 4    | 3-1240    | DRIVE SHAFT / PUMP             | 1    |
| 5    | 6-5608-18 | CAPSCREW SH 1/2 NC x 2 1/4 LG. | 8    |
| 6    | 6-5208-20 | CAPSCREW 1/2 NC x 2 1/2 LG.    | 8    |
| 7    | 6-6211-08 | LOCKWASHER 1/2                 | 16   |
| 8    | 6-6280-05 | KEY 5/16 SQ. x 1 1/2 LG.       | 2    |
| 9    | 6-6275-04 | SETSCREW 3/8 NC x 3/4 LG.      | 4    |
| 10   | 7-183-16  | SCREW (4)                      | REF  |



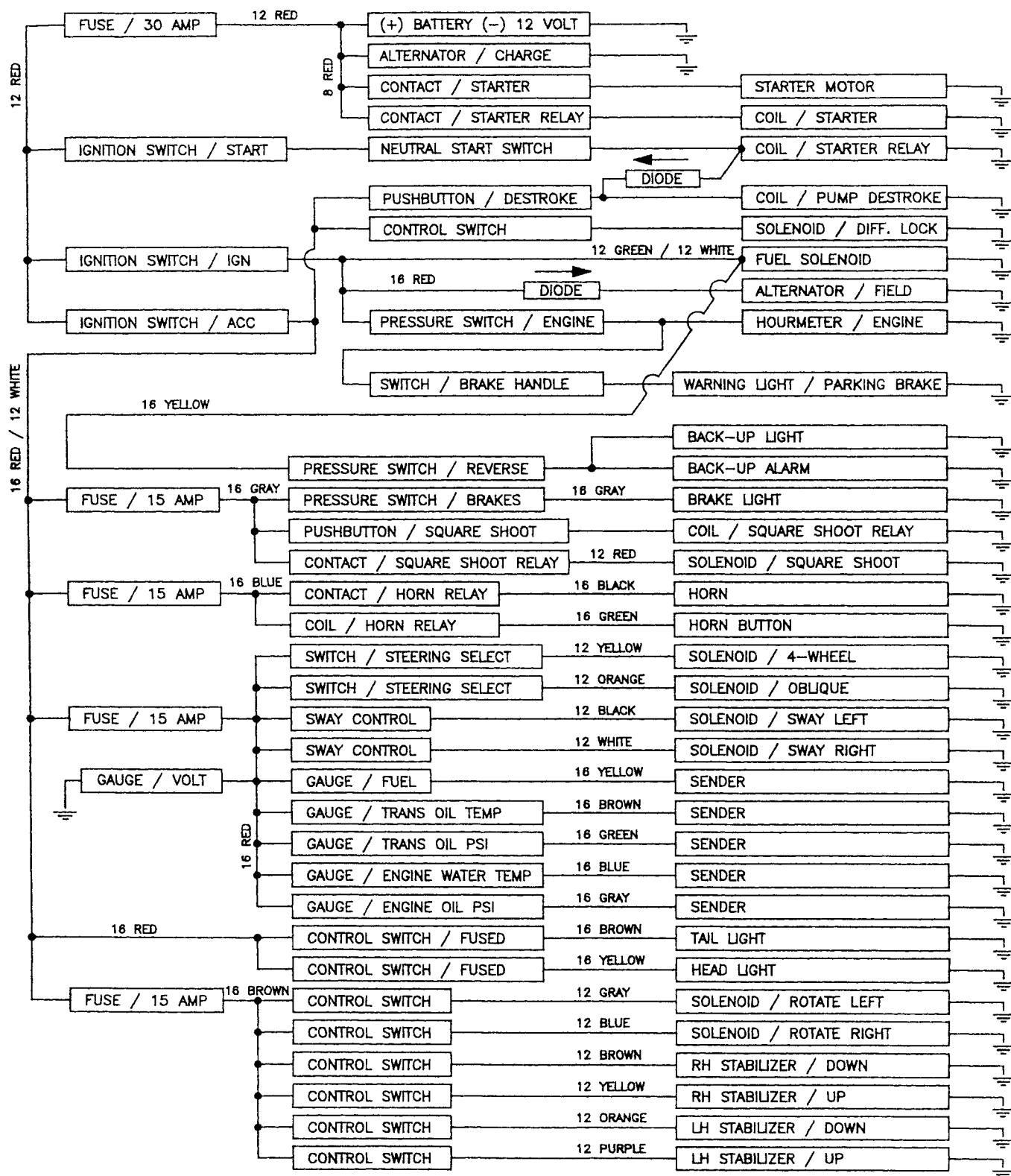
| ITEM | NUMBER   | DESCRIPTION                      | REQD |
|------|----------|----------------------------------|------|
| 1    | 7-322-01 | CROSS & BEARING ASSEMBLY         | 1    |
| 2    | 7-196-06 | SLIP YOKE                        | 1    |
| 3    | 7-196-07 | RETAINING CAP                    | 1    |
| 4    | 7-196-08 | RETAINING WASHER                 | 1    |
| 5    | 7-196-09 | FELT WASHER                      | 1    |
| 6    | 7-196-05 | SLIP YOKE ASSEMBLY               | 1    |
| 7    | 7-196-30 | TUBE WELDMENT                    | 1    |
| 8    | 7-322-01 | CROSS & BEARING ASSEMBLY         | 1    |
| 9    | 7-196-29 | DRIVESHAFT ASSY (ITEMS 1 THRU 8) | REF  |

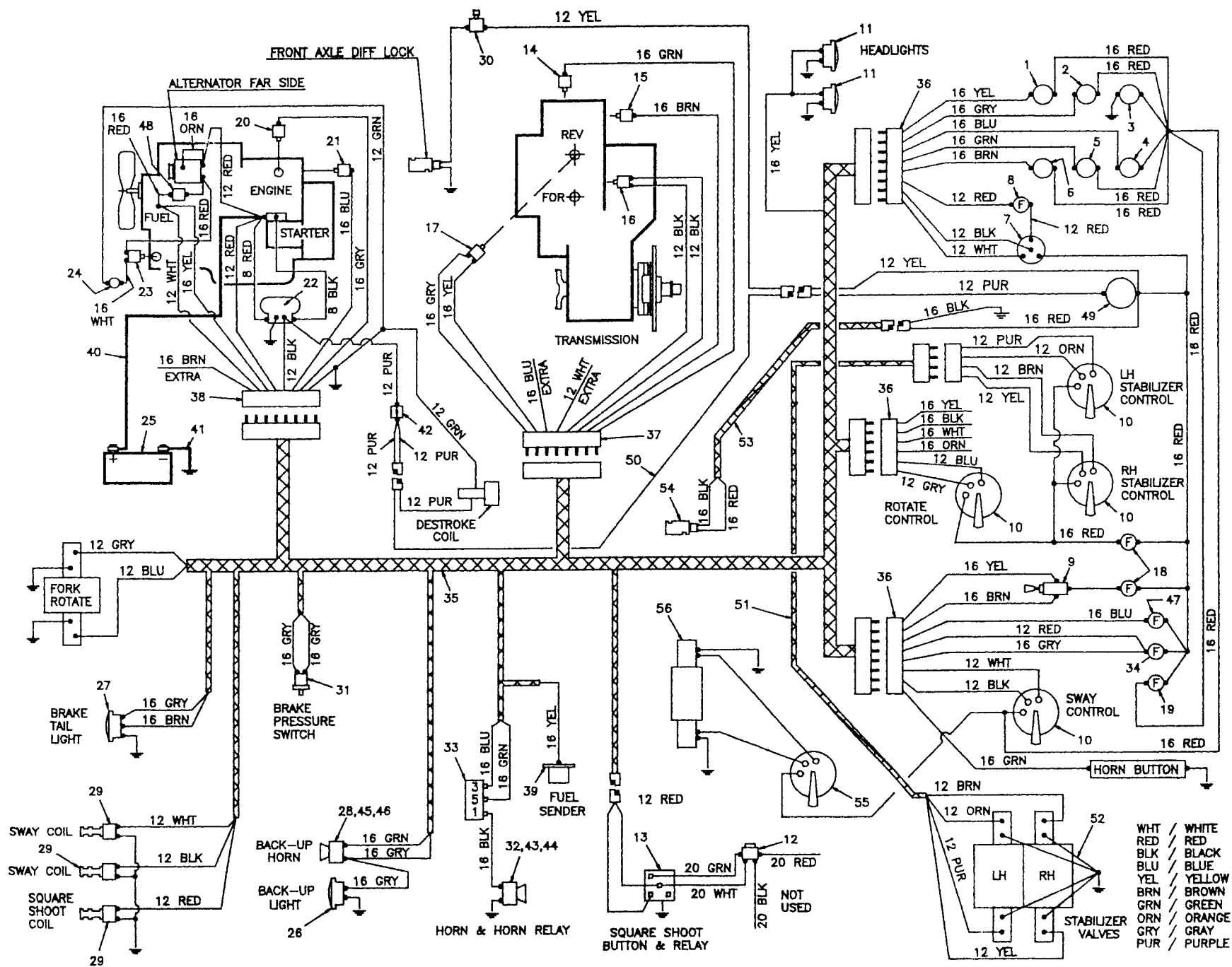


| ITEM | NUMBER   | DESCRIPTION                      | REQD |
|------|----------|----------------------------------|------|
| 1    | 7-322-01 | CROSS & BEARING ASSEMBLY         | 1    |
| 2    | 7-196-06 | SLIP YOKE                        | 1    |
| 3    | 7-196-07 | RETAINING CAP                    | 1    |
| 4    | 7-196-08 | RETAINING WASHER                 | 1    |
| 5    | 7-196-09 | FELT WASHER                      | 1    |
| 6    | 7-196-05 | SLIP YOKE ASSEMBLY               | 1    |
| 7    | 7-196-28 | TUBE WELDMENT                    | 1    |
| 8    | 7-322-01 | CROSS & BEARING ASSEMBLY         | 1    |
| 9    | 7-196-27 | DRIVESHAFT ASSY (ITEMS 1 THRU 8) | REF  |



| ITEM | NUMBER   | DESCRIPTION                    | REQD |
|------|----------|--------------------------------|------|
| 1    | 7-320-01 | WHEEL                          | 1    |
| 2    | 7-286-01 | VALVE STEM / AIR-CHLORIDE-FOAM | 1    |
| 3    | 7-335-02 | TIRE 14.00-24                  | 1    |



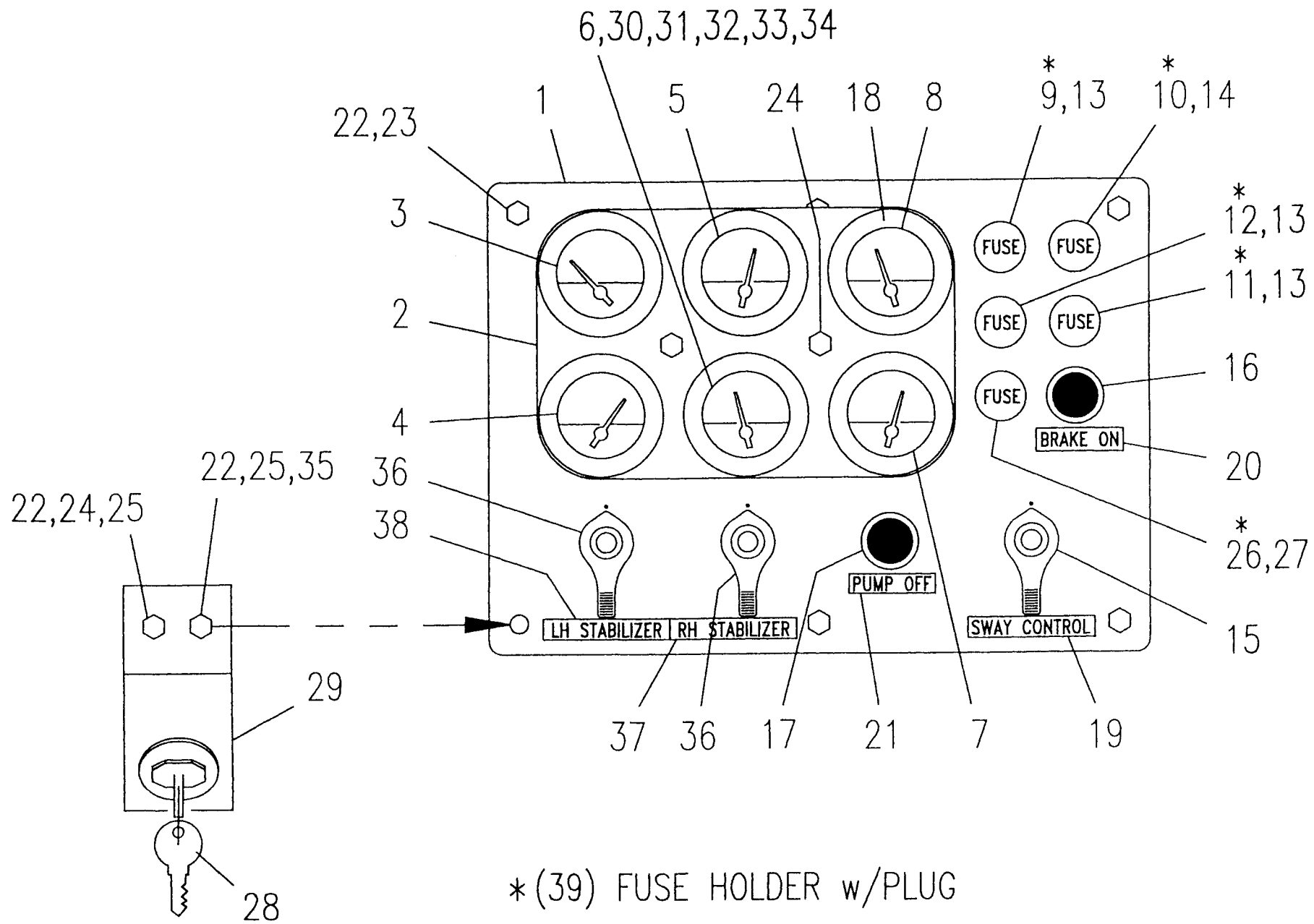


| ITEM | NUMBER      | DESCRIPTION                       | REQD |
|------|-------------|-----------------------------------|------|
| 1    | 7-172-02    | GAGE / FUEL                       | REF  |
| 2    | 7-172-04    | GAGE / ENGINE OIL PRESSURE        | REF  |
| 3    | 7-172-10    | GAGE / VOLTMETER                  | REF  |
| 4    | 7-172-08    | GAGE / ENGINE WATER TEMP.         | REF  |
| 5    | 7-172-11    | GAGE / TRANSMISSION OIL PRESSURE  | REF  |
| 6    | 7-172-06    | GAGE / TRANSMISSION OIL TEMP.     | REF  |
| 7    | 7-127-10    | SWITCH / IGNITION / KEY           | REF  |
| 8    | 7-268-01    | FUSE HOLDER / MAIN / IGNITION     | REF  |
| 9    | 7-319-02    | SWITCH / HEADLIGHTS               | REF  |
| 10   | 7-127-04    | SWITCH / SWAY-ROTATE-STABILIZERS  | REF  |
| 11   | 7-338-01    | HEADLIGHT                         | REF  |
| 12   | 7-200-07    | SWITCH / SQUARE SHOOT             | REF  |
| 13   | 7-206-07    | RELAY / SQUARE SHOOT              | 1    |
| 14   | 7-172-16    | SENDER / TRANS OIL PRESSURE       | 1    |
| 15   | 7-172-07    | SENDER / TRANS OIL TEMP.          | 1    |
| 16   | 7-126-96    | SWITCH / NEUTRAL START            | REF  |
| 17   | 7-303-01    | PRESSURE SWITCH / REV.            | 1    |
| 18   | 7-268-01    | FUSE HOLDER / OPTIONAL / ROTATE   | REF  |
| 19   | 7-268-01    | FUSE HOLDER / GAGES / SWAY        | REF  |
| 20   | 7-172-05    | SENDER / ENGINE OIL PRESSURE      | 1    |
| 21   | 7-172-09    | SENDER / ENGINE WATER TEMP.       | 1    |
| 22   | 7-183-18    | RELAY / STARTER                   | REF  |
| 23   | 7-231-02    | PRESSURE SWITCH / HOURMETER       | 1    |
| 24   | 7-172-01    | HOURMETER                         | 1    |
| 25   | 7-251-01    | BATTERY / 12 VOLT                 | 1    |
| 26   | 7-136-02    | LIGHT / BACK-UP                   | REF  |
| 27   | 7-136-03    | LIGHT / TAIL-BRAKE                | REF  |
| 28   | 7-213-01    | BACK-UP ALARM                     | 1    |
| 29   | 7-244-12    | COIL / SQ.SHOOT - SWAY CONTROL    | REF  |
| 30   | 7-127-09    | SWITCH / DIFF.LOCK                | 1    |
| 31   | 7-206-03    | PRESSURE SWITCH / BRAKE LIGHT     | REF  |
| 32   | 7-228-01    | HORN                              | 1    |
| 33   | 7-206-04    | RELAY / HORN                      | 1    |
| 34   | 7-268-01    | FUSE HOLDER / SQ.SHOOT / BRAKE    | REF  |
| 35   | 4-1135      | HARNESS / MAIN POWER / VALVE      | 1    |
| 36   | 4-1134      | HARNESS / INSTRUMENT PANEL        | 1    |
| 37   | 3-1070      | HARNESS / TRANSMISSION            | 1    |
| 38   | 4-1106      | HARNESS / ENGINE                  | 1    |
| 39   | 7-172-03    | SENDER / FUEL                     | 1    |
| 40   | 6-7801-180B | BATTERY CABLE / RED               | 1    |
| 41   | 6-7802-88B  | BATTERY CABLE / BLACK             | 1    |
| 42   | 7-281-01    | DIODE / PUMP DESTROKE             | 1    |
| 43   | 6-5204-04   | CAPSCREW 1/4 NC x 1/2 LG.         | 1    |
| 44   | 6-6211-04   | LOCKWASHER 1/4                    | 1    |
| 45   | 6-5206-04   | CAPSCREW 3/8 NC x 1/2 LG.         | 2    |
| 46   | 6-6211-06   | LOCKWASHER 3/8                    | 2    |
| 47   | 7-268-01    | FUSE HOLDER / HORN                | REF  |
| 48   | 7-281-01    | DIODE / ALTERNATOR                | 1    |
| 49   | 7-319-03    | PUSHBUTTON / PUMP DESTROKE        | REF  |
| 50   | 2-1122      | HARNESS / PUMP DESTROKE           | 1    |
| 51   | 2-1131      | HARNESS / STABILIZER VALVE        | 1    |
| 52   | 2-1132      | GROUND HARNESS / STABILIZER VALVE | 1    |

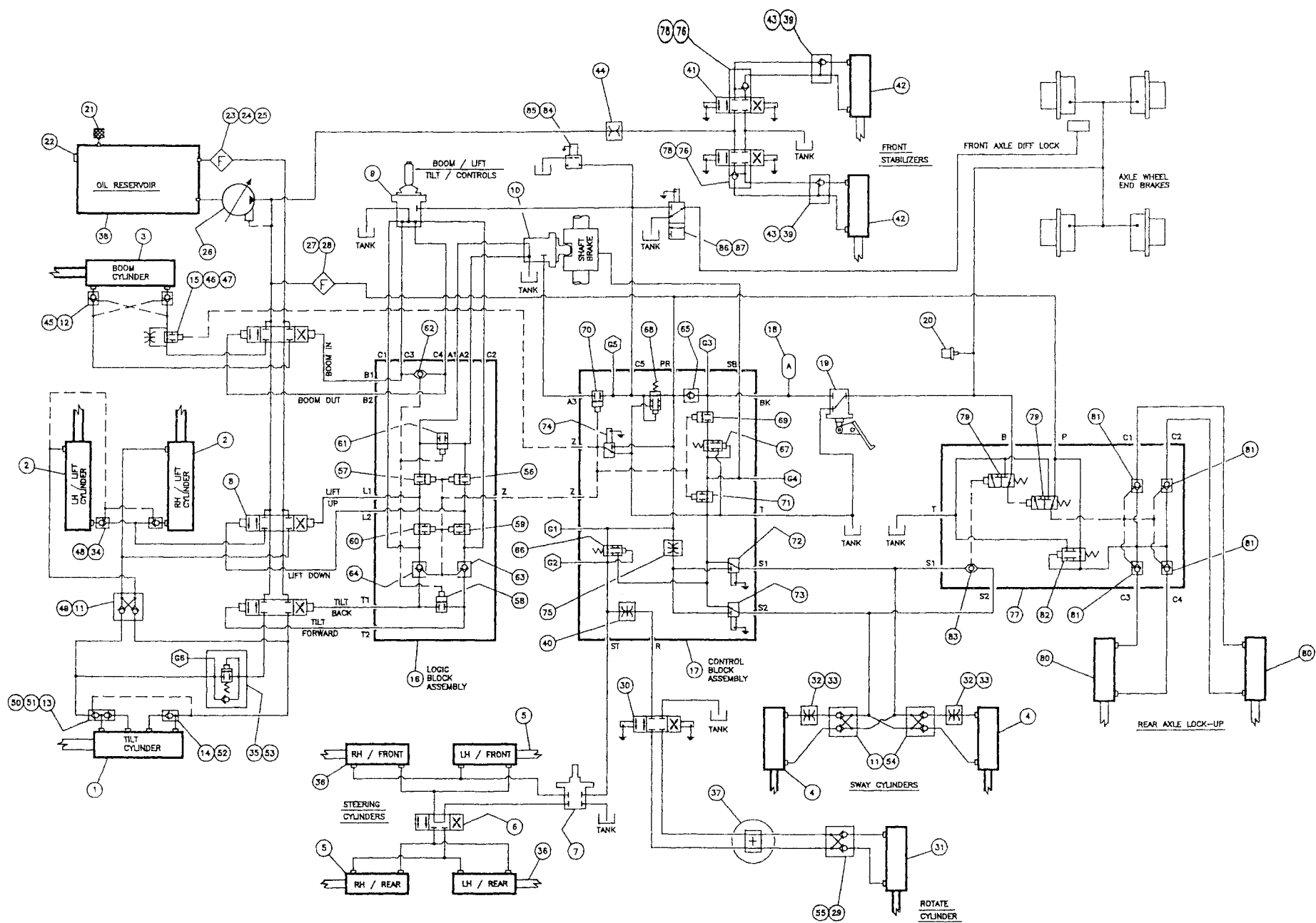
|                   |         |                                          |                    |
|-------------------|---------|------------------------------------------|--------------------|
| DRAWING<br>NUMBER | P4-1454 | WIRING DIAGRAM<br>SS-1048 SQUARE SHOOTER | PAGE<br>NUMBER 26A |
|-------------------|---------|------------------------------------------|--------------------|

| ITEM | NUMBER   | DESCRIPTION                 | REQD |
|------|----------|-----------------------------|------|
| 53   | 1-1123   | HARNESS / CONTROLLER RELIEF | 1    |
| 54   | 7-244-50 | VALVE / CONTROLLER RELIEF   | REF  |
| 55   | 7-127-11 | SWITCH / STEERING SELECT    | 1    |
| 56   | 7-344-01 | STEERING VALVE / ELECTRIC   | REF  |

## This image shows a single page 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.



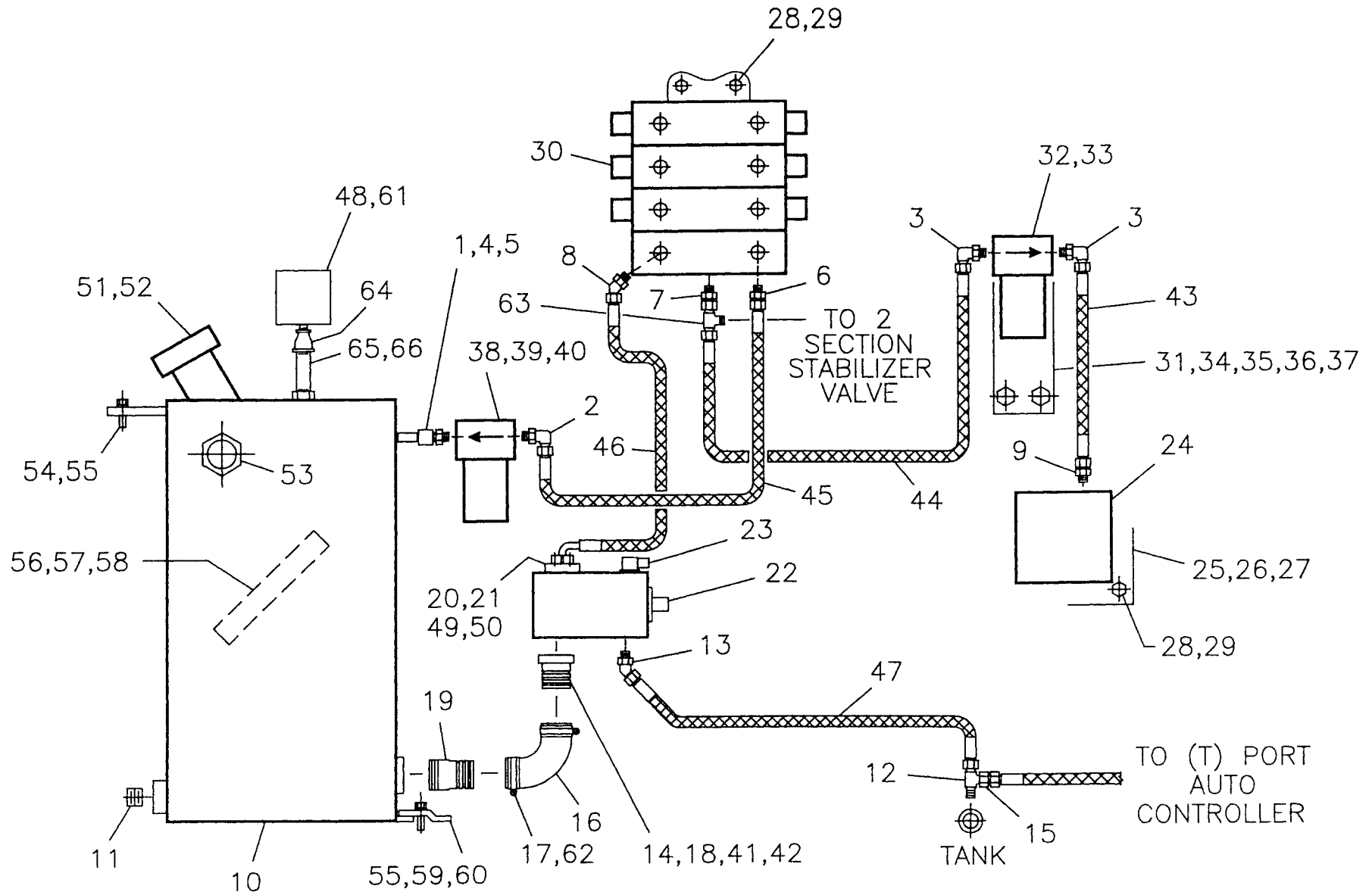
| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 3-1227-2  | INSTRUMENT PANEL                  | 1    |
| 2    | 2-1062    | GAGE COVER                        | 1    |
| 3    | 7-172-02  | GAGE / FUEL                       | 1    |
| 4    | 7-172-04  | GAGE / ENGINE OIL PRESSURE        | 1    |
| 5    | 7-172-06  | GAGE / TRANS. OIL TEMP.           | 1    |
| 6    | 7-172-08  | GAGE / ENGINE WATER TEMP.         | 1    |
| 7    | 7-172-10  | GAGE / VOLTMETER                  | 1    |
| 8    | 7-172-11  | GAGE / TRANS. OIL PRESSURE        | 1    |
| 9    | 7-268-01  | HOLDER / JOYSTICK RELAY/BRK.LIGHT | 1    |
| 10   | 7-268-01  | HOLDER / MAIN POWER / IGNITION    | 1    |
| 11   | 7-268-01  | HOLDER / HORN                     | 1    |
| 12   | 7-268-01  | HOLDER / GAGES / SWAY             | 1    |
| 13   | 7-117-01  | FUSE / 15 AMP.                    | 3    |
| 14   | 7-117-02  | FUSE / 30 AMP.                    | 1    |
| 15   | 7-127-04  | SWITCH / SWAY CONTROL             | 1    |
| 16   | 7-127-05  | LIGHT / WARNING                   | 1    |
| 17   | 7-319-03  | SWITCH / PUSHBUTTON               | 1    |
| 18   | 1-2006    | SEAL RING / GAGE                  | 6    |
| 19   | 3-1228-1  | DECAL / SWAY CONTROL              | 1    |
| 20   | 3-1228-2  | DECAL / BRAKE-ON                  | 1    |
| 21   | 3-1228-3  | DECAL / PUMP-OFF                  | 1    |
| 22   | 6-6211-04 | LOCKWASHER 1/4                    | 7    |
| 23   | 6-5204-04 | CAPSCREW 1/4 NC x 1/2 LG.         | 5    |
| 24   | 6-5204-06 | CAPSCREW 1/4 NC x 3/4 LG.         | 3    |
| 25   | 6-6201-04 | NUT 1/4 NC                        | 2    |
| 26   | 7-268-01  | HOLDER / STABILIZERS              | 1    |
| 27   | 7-117-01  | FUSE / 15 AMP                     | 1    |
| 28   | 7-127-10  | SWITCH / IGNITION KEY             | 1    |
| 29   | 2-1147    | MOUNT / KEY SWITCH                | 1    |
| 30   | 1-1088    | MOUNT                             | 1    |
| 31   | 7-269-60  | PLASTIC CLAMP                     | 1    |
| 32   | 6-6284-07 | MACHINE SCREW #10-32 x 1/2 LG.    | 2    |
| 33   | 6-6286-06 | HEX NUT #10-32                    | 2    |
| 34   | 6-6286-02 | HEX NUT #8-32 SS                  | 2    |
| 35   | 6-5204-08 | CAPSCREW 1/4 NC x 1 LG.           | 1    |
| 36   | 7-127-04  | SWITCH / STABILIZER               | 2    |
| 37   | 3-1228-6  | DECAL / RH STABILIZER             | 1    |
| 38   | 3-1228-5  | DECAL / LH STABILIZER             | 1    |
| 39   | 1-2031    | FUSE HOLDER w/PLUG (UNIVERSAL)REF |      |



| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 7-316-16  | CYLINDER / TILT                  | REF  |
| 2    | 7-316-15  | CYLINDER / LIFT                  | REF  |
| 3    | 7-316-17  | CYLINDER / BOOM                  | REF  |
| 4    | 7-316-01  | CYLINDER / SWAY                  | REF  |
| 5    | 7-229-337 | CYLINDER / STEERING              | REF  |
| 6    | 7-344-01  | STEERING VALVE / ELECTRIC        | 1    |
| 7    | 7-331-01  | STEERING ORBITRAL                | 1    |
| 8    | 7-200-80  | VALVE ASSEMBLY / 3 SECTION       | 1    |
| 9    | 7-200-81  | CONTROLLER / 4-WAY               | 1    |
| 10   | 7-200-82  | CONTROLLER / AUTO (1)            | REF  |
| 11   | 7-234-04  | VALVE / DUAL CHECK               | 3    |
| 12   | 7-234-03  | VALVE / MOTION / BOOM            | 2    |
| 13   | 7-234-01  | VALVE / MOTION / HEAD TILT       | 1    |
| 14   | 7-234-02  | VALVE / MOTION / BASE TILT       | 1    |
| 15   | 7-234-09  | VALVE / BOOM BY-PASS             | 1    |
| 16   | 7-234-07  | LOGIC BLOCK ASSEMBLY             | 1    |
| 17   | 7-234-75  | CONTROL BLOCK ASSEMBLY           | 1    |
| 18   | 7-256-25  | ACCUMULATOR / BRAKE              | 1    |
| 19   | 7-198-39  | ACTUATOR / BRAKE                 | 1    |
| 20   | 7-206-03  | PRESSURE SWITCH / BRAKE LIGHT    | REF  |
| 21   | 7-253-01  | BREATHER / 3 PSI / OIL RESERVOIR | REF  |
| 22   | 7-161-01  | SIGHT GAGE / OIL RESERVOIR       | REF  |
| 23   | 7-256-23  | FILTER / RETURN                  | 1    |
| 24   | 7-256-03  | GAGE / RETURN FILTER             | 1    |
| 25   | 7-256-05  | ELEMENT / RETURN FILTER          | REF  |
| 26   | 7-321-70  | PUMP ASSEMBLY                    | 1    |
| 27   | 7-256-16  | FILTER / PRESSURE                | REF  |
| 28   | 7-256-04  | ELEMENT / PRESSURE FILTER        | REF  |
| 29   | 7-234-35  | VALVE / DUAL CHECK               | REF  |
| 30   | 7-244-31  | VALVE / ELECTRIC 4-WAY / ROTATE  | REF  |
| 31   | 7-316-05  | CYLINDER / ROTATE / 3.00 BORE    | REF  |
| 32   | 1-1092    | RESTRICTOR FITTING               | REF  |
| 33   | 1-1093-2  | RESTRICTOR PLUG (.060)           | REF  |
| 34   | 7-234-54  | VALVE / MOTION / LIFT            | 2    |
| 35   | 7-234-50  | VALVE / TILT LIMITER             | 1    |
| 36   | 7-229-337 | CYLINDER / STEERING              | REF  |
| 37   | 7-292-01  | HOSE REEL / ROTATE               | REF  |
| 38   | 4-1443    | OIL RESERVOIR                    | REF  |
| 39   | 7-234-55  | CARTRIDGE / CHECK                | REF  |
| 40   | 7-234-37  | CARTRIDGE / NEEDLE               | REF  |
| 41   | 7-244-29  | VALVE / 2 SECTION / STABILIZER   | REF  |
| 42   | 7-316-12  | CYLINDER / STABILIZER            | REF  |
| 43   | 7-234-78  | VALVE / MOTION / STABILIZER      | REF  |
| 44   | 1-1093-3  | RESTRICTOR PLUG (.081)           | REF  |
| 45   | 7-234-22  | CARTRIDGE / COUNTERBALANCE       | REF  |
| 46   | 7-234-11  | CARTRIDGE / NORMALLY OPEN        | REF  |
| 47   | 7-234-17  | CARTRIDGE / NEEDLE               | REF  |
| 48   | 7-234-53  | CARTRIDGE / COUNTERBALANCE       | REF  |
| 49   | 7-234-18  | CARTRIDGE / PILOT CHECK          | REF  |
| 50   | 7-234-19  | CARTRIDGE / COUNTERBALANCE       | REF  |
| 51   | 7-234-16  | CARTRIDGE / CHECK                | REF  |
| 52   | 7-234-16  | CARTRIDGE / CHECK                | REF  |

| ITEM | NUMBER   | DESCRIPTION                      | REQD |
|------|----------|----------------------------------|------|
| 53   | 7-234-19 | CARTRIDGE / COUNTERBALANCE       | REF  |
| 54   | 7-234-18 | CARTRIDGE / PILOT CHECK          | REF  |
| 55   | 7-234-18 | CARTRIDGE / PILOT CHECK          | REF  |
| 56   | 7-234-10 | CARTRIDGE / NORMALLY CLOSED      | REF  |
| 57   | 7-234-10 | CARTRIDGE / NORMALLY CLOSED      | REF  |
| 58   | 7-234-10 | CARTRIDGE / NORMALLY CLOSED      | REF  |
| 59   | 7-234-11 | CARTRIDGE / NORMALLY OPEN        | REF  |
| 60   | 7-234-11 | CARTRIDGE / NORMALLY OPEN        | REF  |
| 61   | 7-234-11 | CARTRIDGE / NORMALLY OPEN        | REF  |
| 62   | 7-234-12 | CARTRIDGE / SHUTTLE              | REF  |
| 63   | 7-234-18 | CARTRIDGE / PILOT CHECK          | REF  |
| 64   | 7-234-18 | CARTRIDGE / PILOT CHECK          | REF  |
| 65   | 7-234-80 | CARTRIDGE / CHECK                | REF  |
| 66   | 7-234-15 | CARTRIDGE / REDUCING             | REF  |
| 67   | 7-234-28 | CARTRIDGE / REDUCING-RELIEVING   | REF  |
| 68   | 7-234-13 | CARTRIDGE / REDUCING-RELIEVING   | REF  |
| 69   | 7-234-10 | CARTRIDGE / NORMALLY CLOSED      | REF  |
| 70   | 7-234-10 | CARTRIDGE / NORMALLY CLOSED      | REF  |
| 71   | 7-234-11 | CARTRIDGE / NORMALLY OPEN        | REF  |
| 72   | 7-244-14 | SOLENOID VALVE ASSEMBLY          | REF  |
| 73   | 7-244-14 | SOLENOID VALVE ASSEMBLY          | REF  |
| 74   | 7-244-14 | SOLENOID VALVE ASSEMBLY          | REF  |
| 75   | 7-234-17 | CARTRIDGE / NEEDLE               | REF  |
| 76   | 7-244-47 | VALVE / SINGLE PILOT OPER. CHECK | REF  |
| 77   | 7-234-76 | BLOCK ASSEMBLY / REAR LOCK-UP    | 1    |
| 78   | 7-244-48 | STACKING KIT                     | REF  |
| 79   | 7-304-05 | CARTRIDGE / MODULAR CONTROL      | REF  |
| 80   | 7-316-01 | CYLINDER / REAR LOCK-UP          | REF  |
| 81   | 7-234-62 | CARTRIDGE / PILOT CHECK          | REF  |
| 82   | 7-234-64 | CARTRIDGE / REDUCING-RELIEVING   | REF  |
| 83   | 7-234-79 | CARTRIDGE / SHUTTLE              | REF  |
| 84   | 7-244-50 | VALVE / CONTROLLER RELIEF        | 1    |
| 85   | 7-244-08 | CARTRIDGE / NORMALLY OPEN        | REF  |
| 86   | 7-244-52 | SOLENOID VALVE ASSEMBLY          | 1    |
| 87   | 7-244-33 | CARTRIDGE / NORMALLY CLOSED      | REF  |

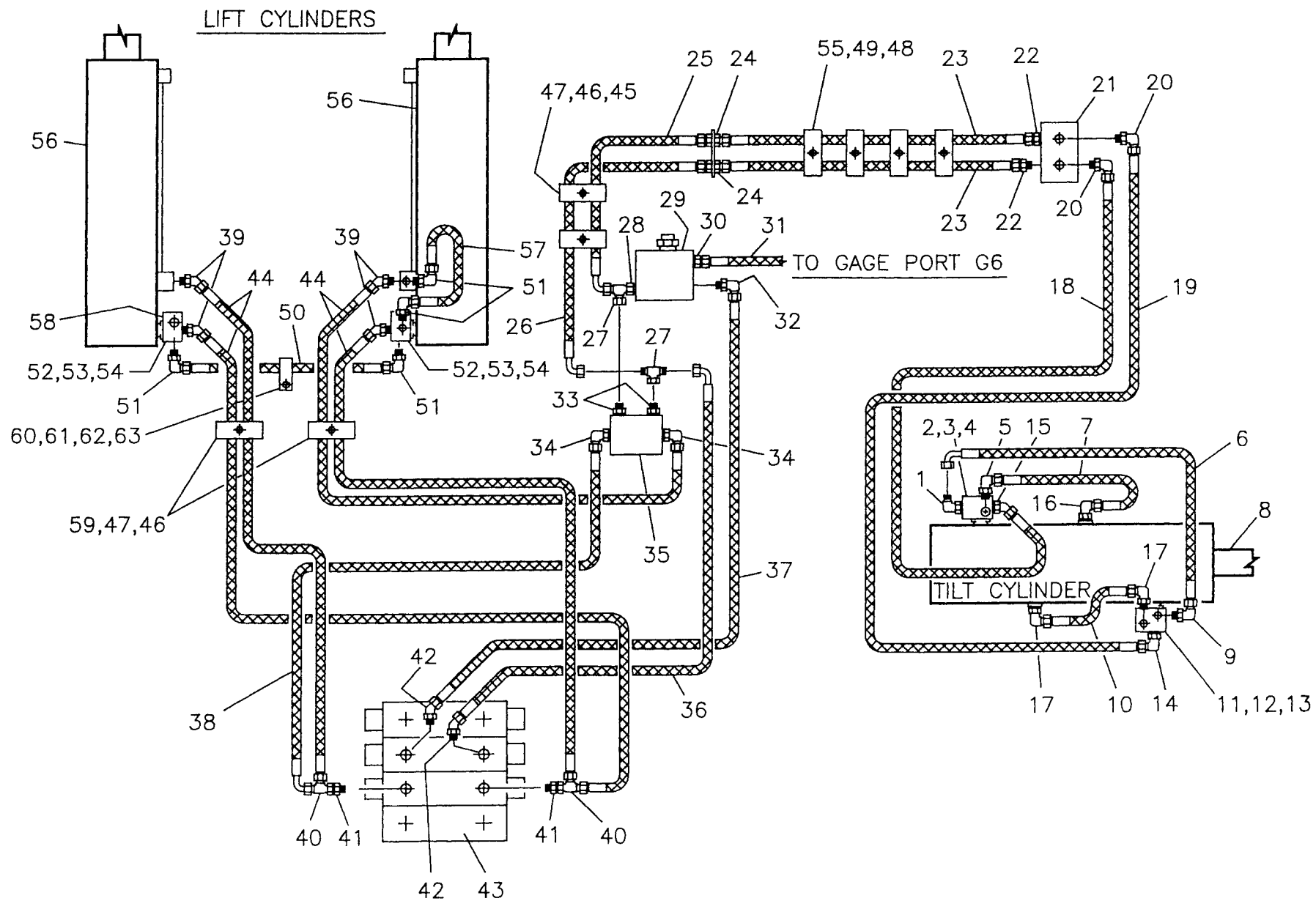
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| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 6-6436-01 | FITTING / 20 NPT x 20 OR STR     | 1    |
| 2    | 6-6453-25 | FITTING / 20 OR x 16 JIC 90      | 1    |
| 3    | 6-6453-24 | FITTING / 16 OR x 10 JIC 90      | 2    |
| 4    | 6-6402-14 | FITTING / 20 NPT COUPLING        | 1    |
| 5    | 6-6416-16 | FITTING / 20 NPT x 8 LG. NIPPLE  | 1    |
| 6    | 6-6450-27 | FITTING / 16 OR x 16 JIC STR     | 1    |
| 7    | 6-6450-14 | FITTING / 12 OR x 08 JIC STR     | 1    |
| 8    | 6-6452-08 | FITTING / 12 OR x 12 JIC 45      | 1    |
| 9    | 6-6450-12 | FITTING / 08 OR x 08 JIC STR     | 1    |
| 10   | 4-1443    | OIL RESERVOIR                    | 1    |
| 11   | 6-6408-07 | FITTING / 16 NPT FLUSH PLUG      | 1    |
| 12   | 6-6432-15 | FITTING / 08 NPT x 08 JIC RN-TEE | 1    |
| 13   | 6-6452-04 | FITTING / 08 OR x 08 JIC 45      | 1    |
| 14   | 4-1421-1  | FITTING / SUCTION                | 1    |
| 15   | 6-6495-01 | FITTING / 08 x 04 JIC RED.- EXP. | REF  |
| 16   | 2-1121    | SUCTION ELBOW / 2 1/4 ID x 90    | 1    |
| 17   | 7-272-06  | T-HOSE CLAMP                     | 2    |
| 18   | 7-209-66  | O-RING / SUCTION FITTING         | 1    |
| 19   | 4-1421-3  | TANK NIPPLE / 2 NPT x 7 1/8 LG.  | 1    |
| 20   | 7-158-36  | SPLIT FLANGE HALF                | 2    |
| 21   | 7-209-67  | O-RING / PRESSURE SIDE           | 1    |
| 22   | 7-321-70  | PUMP ASSEMBLY                    | REF  |
| 23   | 7-244-27  | DIN CONNECTOR                    | 1    |
| 24   | 7-234-75  | CONTROL BLOCK ASSEMBLY           | REF  |
| 25   | 3-1082-2  | MOUNT / CONTROL BLOCK            | 1    |
| 26   | 6-5205-06 | CAPSCREW 5/16 NC x 3/4 LG.       | 4    |
| 27   | 6-6211-05 | LOCKWASHER 5/16                  | 4    |
| 28   | 6-5206-06 | CAPSCREW 3/8 NC x 3/4 LG.        | 7    |
| 29   | 6-6211-06 | LOCKWASHER 3/8                   | 7    |
| 30   | 7-200-80  | VALVE ASSEMBLY / 3 SECTION       | REF  |
| 31   | 3-1208    | MOUNT / PRESSURE FILTER          | 1    |
| 32   | 7-256-16  | PRESSURE FILTER                  | 1    |
| 33   | 7-256-04  | ELEMENT / PRESSURE FILTER        | REF  |
| 34   | 6-5206-08 | CAPSCREW 3/8 NC x 1 LG.          | 3    |
| 35   | 6-6211-06 | LOCKWASHER 3/8                   | 5    |
| 36   | 6-5206-10 | CAPSCREW 3/8 NC x 1 1/4 LG.      | 2    |
| 37   | 6-6201-06 | HEX NUT 3/8 NC                   | 2    |
| 38   | 7-256-23  | FILTER / RETURN                  | REF  |
| 39   | 7-256-03  | GAGE / RETURN FILTER             | REF  |
| 40   | 7-256-05  | ELEMENT / RETURN FILTER          | REF  |
| 41   | 6-5208-16 | CAPSCREW 1/2 NC x 2 LG           | 4    |
| 42   | 6-6211-08 | LOCKWASHER 1/2                   | 4    |
| 43   | 6-7014-60 | HOSE / 08 x 10 x 30 LG.          | 1    |
| 44   | 6-7014-88 | HOSE / 08 x 10 x 44 LG.          | 1    |
| 45   | 6-7148-56 | HOSE / 16 x 16 x 28 LG.          | 1    |
| 46   | 6-7156-70 | HOSE / 12 x 16-90 SF x 35 LG.    | 1    |
| 47   | 6-7004-70 | HOSE / 08 x 08 x 35 LG.          | 1    |
| 48   | 7-253-01  | BREATHER / RESERVOIR / 3 PSI     | 1    |
| 49   | 6-5206-10 | CAPSCREW 3/8 NC x 1 1/4 LG.      | 4    |
| 50   | 6-6211-06 | LOCKWASHER 3/8                   | 4    |
| 51   | 7-265-01  | CAP / RESERVOIR                  | 1    |
| 52   | 7-265-03  | STRAINER / RESERVOIR CAP         | 1    |

| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 53   | 7-161-01  | SIGHT GAGE                       | 1    |
| 54   | 6-5206-08 | CAPSCREW 3/8 NC x 1 LG.          | 2    |
| 55   | 6-6211-06 | LOCKWASHER 3/8                   | 4    |
| 56   | 7-273-20  | COVER PLATE 1/4 SINGLE HOSE (5)  | REF  |
| 57   | 7-273-18  | CLAMP HALF SET (5)               | REF  |
| 58   | 6-5204-12 | CAPSCREW 1/4 NC x 1 1/2 LG. (10) | REF  |
| 59   | 1-2016    | CLAMP / RESERVOIR                | 2    |
| 60   | 6-5206-12 | CAPSCREW 3/8 NC x 1 1/2 LG.      | 2    |
| 61   | 7-253-03  | ELEMENT / BREATHER               | REF  |
| 62   | 6-9616-10 | HOSE PROTECTOR                   | 2    |
| 63   | 6-6481-06 | FITTING / 08 JIC SW-RN-TEE       | 1    |
| 64   | 7-291-05  | FITTING / NPT COUPLING 1 x 1/2   | 1    |
| 65   | 2-1157    | BREATHER PIPE                    | 1    |
| 66   | 7-334-01  | BAFFLE / OIL                     | 1    |

|     |                |                                                          |                   |         |
|-----|----------------|----------------------------------------------------------|-------------------|---------|
| 29B | PAGE<br>NUMBER | CIRCUIT / PUMP / OIL RESERVOIR<br>SS-1048 SQUARE SHOOTER | DRAWING<br>NUMBER | P4-1457 |
|-----|----------------|----------------------------------------------------------|-------------------|---------|

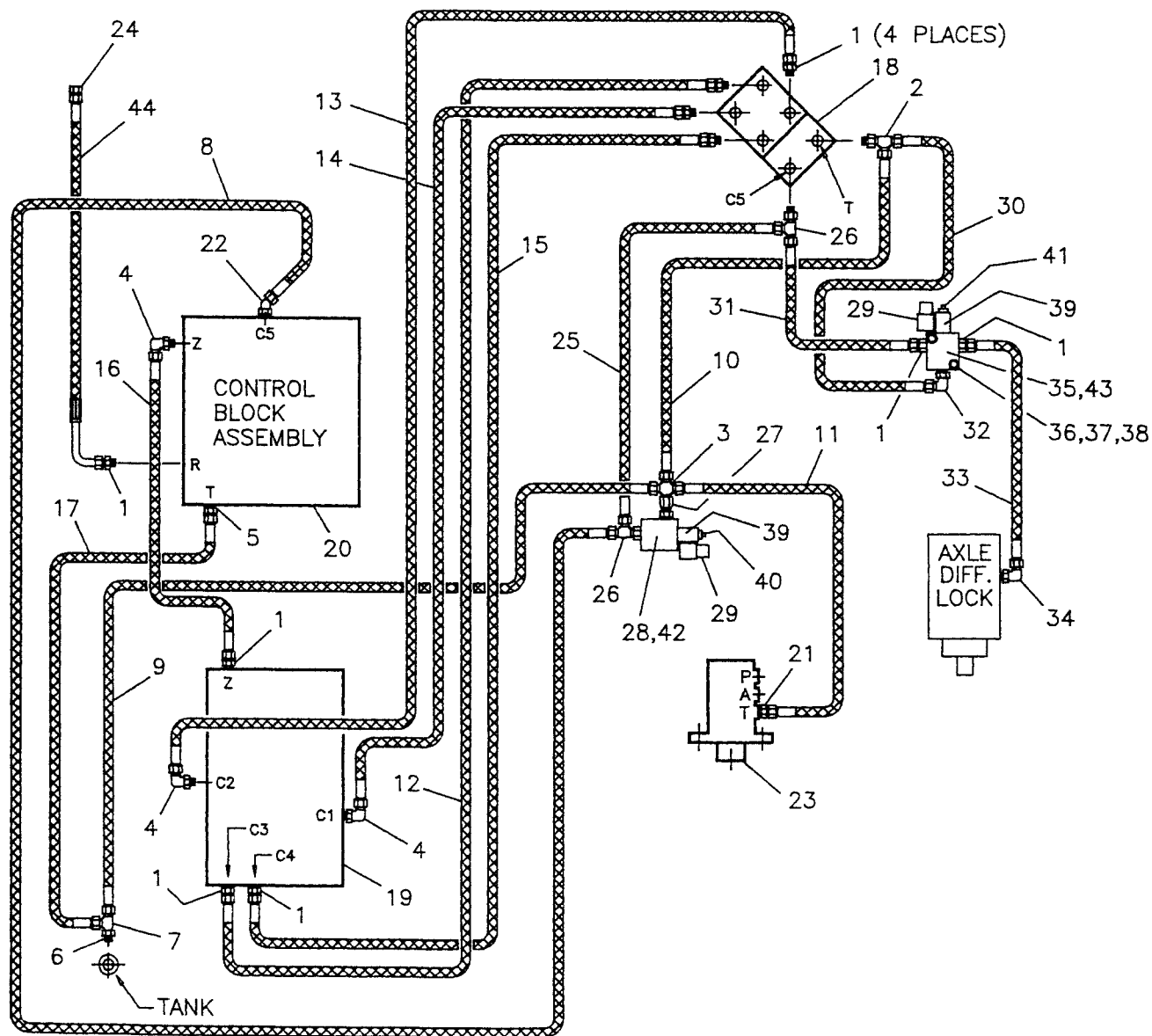


| ITEM | NUMBER     | DESCRIPTION                    | REQD |
|------|------------|--------------------------------|------|
| 1    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 1    |
| 2    | 7-234-02   | VALVE / MOTION / BASE TILT     | REF  |
| 3    | 6-5606-14  | CAPSCREW SH 3/8 NC x 1 3/4 LG. | 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    | 7-316-16   | 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   | 6-7004-810 | HOSE / 08 x 08 x 405 LG.       | 1    |
| 19   | 6-7004-810 | HOSE / 08 x 08 x 405 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   | 6-7014-350 | HOSE / 08 x 10 x 175 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   | 6-7022-28  | HOSE / 04 x 04-90 x 14 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   | 6-7025-44  | HOSE / 10 x 10-90 x 22 LG.     | 1    |
| 37   | 6-7005-44  | HOSE / 10 x 10 x 22 LG.        | 1    |
| 38   | 6-7025-44  | HOSE / 10 x 10-90 x 22 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   | 2    |
| 42   | 6-6452-17  | FITTING / 12 OR x 10 JIC 45    | 2    |
| 43   | 7-200-80   | VALVE ASSEMBLY / 3 SECTION     | REF  |
| 44   | 6-7005-180 | HOSE / 10 x 10 x 90 LG.        | 4    |
| 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   | 6-7002-108 | HOSE / 04 x 04 x 54 LG.        | 1    |
| 51   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90    | 4    |
| 52   | 7-234-54   | VALVE / MOTION / LIFT          | REF  |

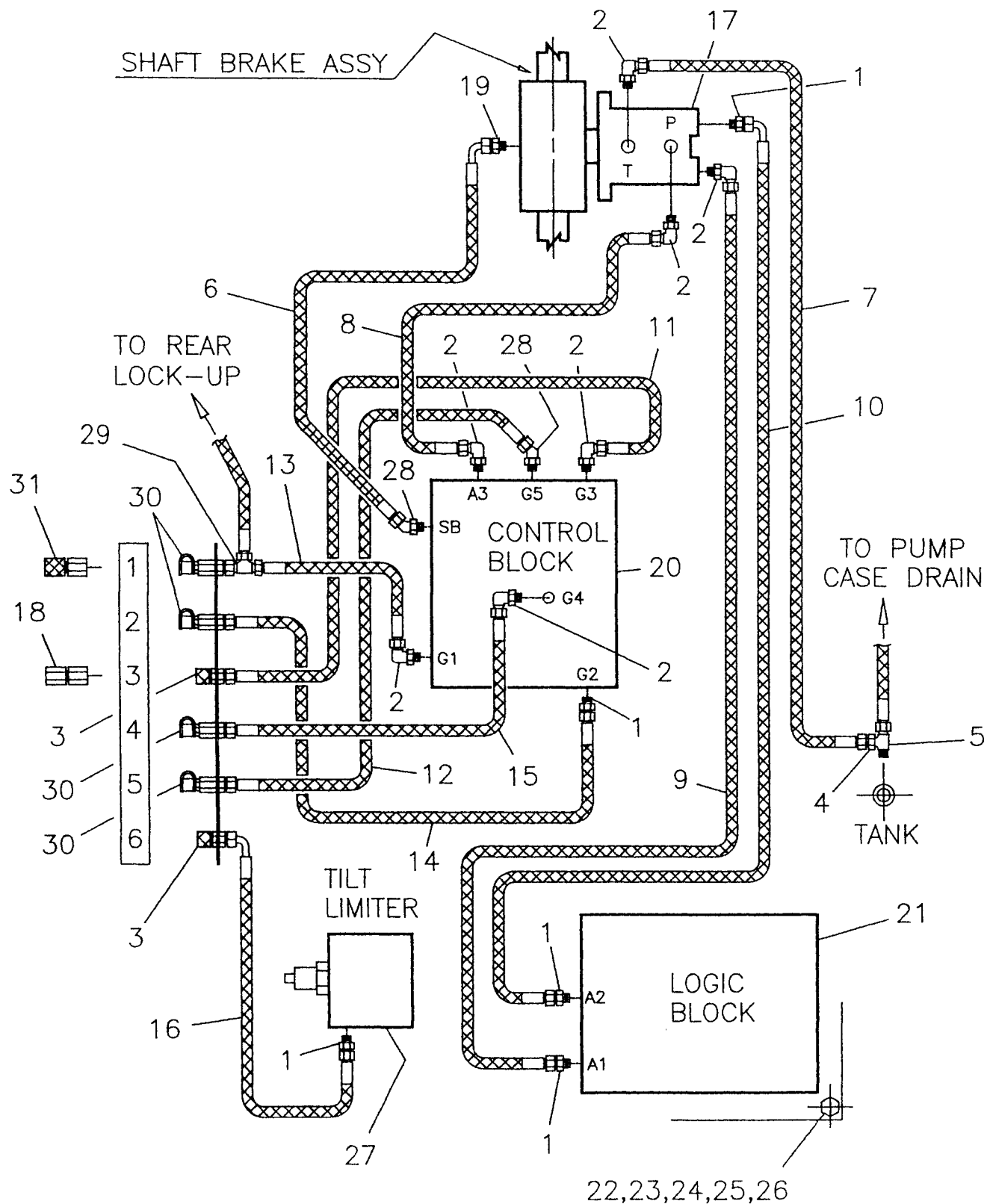
| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 53   | 6-5606-22 | CAPSCREW SH 3/8 NC x 2 3/4 LG.   | 8    |
| 54   | 6-6214-06 | LOCKWASHER 3/8 HI-COLLAR         | 8    |
| 55   | 7-273-25  | CLAMP HALF SET / 1/2 TWIN HOSE   | 4    |
| 56   | 7-316-15  | 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    | 4    |
| 59   | 6-5205-16 | CAPSCREW 5/16 NC x 2 LG.         | 2    |
| 60   | 1-1156    | 1/2 NPT SQ. HEAD PLUG (MODIFIED) | 1    |
| 61   | 7-194-53  | LOOP CLAMP 5/8                   | 1    |
| 62   | 6-5204-06 | CAPSCREW 1/4 NC x 3/4 LG.        | 1    |
| 63   | 6-6211-04 | LOCKWASHER 1/4                   | 1    |



| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 7-316-17   | 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    | 6-6450-05  | FITTING / 06 OR x 04 JIC STR      | 2    |
| 8    | 6-6453-12  | FITTING / 10 OR x 10 JIC 90       | 1    |
| 9    | 6-7002-26  | HOSE / 04 x 04 x 13 LG.           | 1    |
| 10   | 6-7002-26  | HOSE / 04 x 04 x 13 LG.           | 1    |
| 11   | 6-7005-122 | HOSE / 10 x 10 x 61 LG.           | 1    |
| 12   | 6-7005-96  | HOSE / 10 x 10 x 48 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   | 6-7025-120 | HOSE / 10 x 10-90 x 60 LG.        | 1    |
| 17   | 6-7005-180 | HOSE / 10 x 10 x 90 LG.           | 1    |
| 18   | 6-6451-07  | FITTING / 10 OR x 10 JIC LONG STR | 1    |
| 19   | 7-234-09   | VALVE / BOOM BY-PASS              | REF  |
| 20   | 6-5204-14  | CAPSCREW 1/4 NC x 1 3/4 LG.       | 2    |
| 21   | 6-6211-04  | LOCKWASHER 1/4                    | 2    |
| 22   | 6-6450-05  | FITTING / 06 OR x 04 JIC STR      | 6    |
| 23   | 6-6453-12  | FITTING / 10 OR x 10 JIC 90       | 1    |
| 24   | 6-6453-13  | FITTING / 12 OR x 10 JIC 90       | 1    |
| 25   | 6-7005-32  | HOSE / 10 x 10 x 16 LG.           | 1    |
| 26   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90       | 7    |
| 27   | 6-7022-34  | HOSE / 04 x 04-90 x 17 LG.        | 1    |
| 28   | 6-7002-42  | HOSE / 04 x 04 x 21 LG.           | 1    |
| 29   | 6-7002-17  | HOSE / 04 x 04 x 8 1/2 LG.        | 1    |
| 30   | 6-7002-62  | HOSE / 04 x 04 x 31 LG.           | 1    |
| 31   | 6-7022-44  | HOSE / 04 x 04-90 x 22 LG.        | 1    |
| 32   | 6-7002-76  | HOSE / 04 x 04 x 38               | 1    |
| 33   | 7-200-80   | VALVE / 3 SECTION                 | REF  |
| 34   | 7-234-07   | LOGIC BLOCK                       | REF  |
| 35   | 6-7002-42  | HOSE / 04 x 04 x 21 LG.           | 1    |
| 36   | 6-6212-04  | FLATWASHER 1/4                    | 2    |
| 37   | 7-273-26   | COVER PLATE / 5/8 HOSE CLAMP      | 3    |
| 38   | 6-5205-16  | CAPSCREW 5/16 NC x 2 LG.          | 1    |
| 39   | 6-6452-17  | FITTING / 12 OR x 10 JIC 45       | 1    |
| 40   | 7-234-75   | CONTROL BLOCK                     | REF  |
| 41   | 6-6452-19  | FITTING / 06 OR x 04 JIC 45       | 1    |
| 42   | 6-5205-30  | CAPSCREW 5/16 NC x 3 3/4 LG.      | 2    |

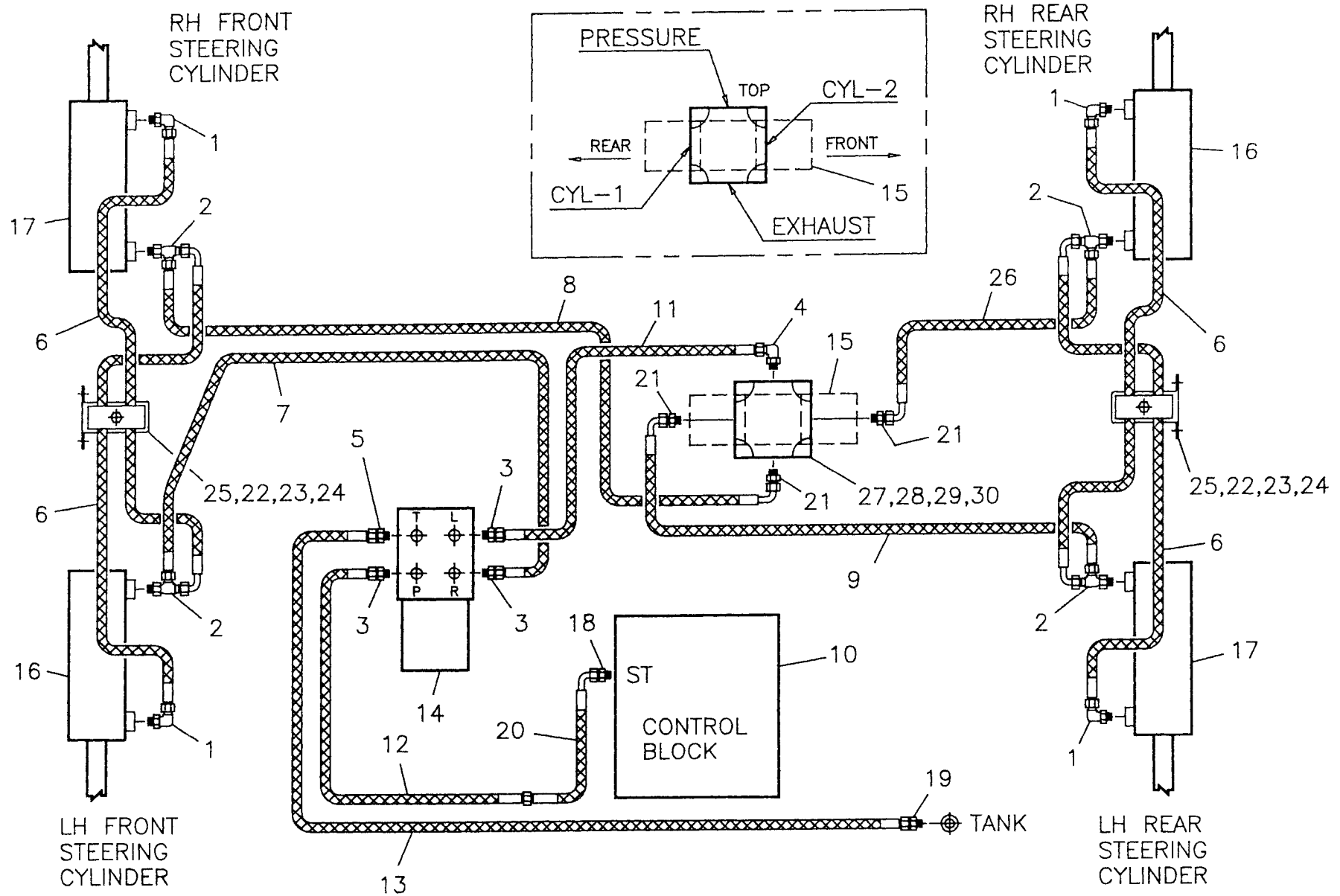


| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 6-6450-05  | FITTING / 06 OR x 04 JIC STR      | 10   |
| 2    | 6-6455-05  | ITTING / 06 OR x 06 JIC RN-TEE    | 1    |
| 3    | 6-6483-05  | FITTING / 06 JIC CROSS            | 1    |
| 4    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90       | 3    |
| 5    | 6-6450-08  | FITTING / 06 OR x 06 JIC STR      | 1    |
| 6    | 6-6406-04  | FITTING / 08-06 NPT REDUCER       | 1    |
| 7    | 6-6432-14  | FITTING / 06 NPT x 06 JIC M-R-TEE | 1    |
| 8    | 6-7002-276 | HOSE / 04 x 04 x 138 LG.          | 1    |
| 9    | 6-7003-222 | HOSE / 06 x 06 x 111 LG.          | 1    |
| 10   | 6-7003-56  | HOSE / 06 x 06 x 28 LG.           | 1    |
| 11   | 6-7003-136 | HOSE / 06 x 06 x 68 LG.           | 1    |
| 12   | 6-7002-276 | HOSE / 04 x 04 x 138 LG.          | 1    |
| 13   | 6-7002-276 | HOSE / 04 x 04 x 138 LG.          | 1    |
| 14   | 6-7002-276 | HOSE / 04 x 04 x 138 LG.          | 1    |
| 15   | 6-7002-276 | HOSE / 04 x 04 x 138 LG.          | 1    |
| 16   | 6-7002-38  | HOSE / 04 x 04 x 19 LG.           | 1    |
| 17   | 6-7003-56  | HOSE / 06 x 06 x 28 LG.           | 1    |
| 18   | 7-200-81   | CONTROLLER / 4-WAY                | REF  |
| 19   | 7-234-07   | LOGIC BLOCK                       | REF  |
| 20   | 7-234-75   | CONTROL BLOCK                     | REF  |
| 21   | 6-6450-09  | FITTING / 08 OR x 06 JIC STR      | 1    |
| 22   | 6-6452-19  | FITTING / 06 OR x 04 JIC 45       | 1    |
| 23   | 7-198-39   | ACTUATOR / BRAKE                  | REF  |
| 24   | 6-6484-03  | FITTING / 04 JIC PLUG             | 1    |
| 25   | 6-7002-74  | HOSE / 04 x 04 x 37 LG.           | 1    |
| 26   | 6-6455-15  | FITTING / 06 OR x 04 JIC RN-TEE   | 2    |
| 27   | 6-6485-06  | FITTING / 06 OR x 06 JIC SW       | 1    |
| 28   | 7-244-50   | VALVE ASSY. / CONTROLLER RELIEF   | REF  |
| 29   | 7-244-27   | DIN CONNECTOR                     | 2    |
| 30   | 6-7003-24  | HOSE / 06 x 06 x 12 LG.           | 1    |
| 31   | 6-7002-34  | HOSE / 04 x 04 x 17 LG.           | 1    |
| 32   | 6-6453-06  | FITTING / 06 OR x 06 JIC 90       | 1    |
| 33   | 6-7002-130 | HOSE / 04 x 04 x 65 LG.           | 1    |
| 34   | 6-6452-01  | FITTING / 04 OR x 04 JIC 45       | 1    |
| 35   | 7-244-52   | VALVE ASSY. / DIFF. LOCK          | REF  |
| 36   | 6-5204-14  | CAPSCREW 1/4 NC x 1 3/4 LG.       | 2    |
| 37   | 6-6212-04  | FLATWASHER 1/4                    | 2    |
| 38   | 6-6211-04  | LOCKWASHER 1/4                    | 2    |
| 39   | 7-244-43   | COIL / DIN                        | REF  |
| 40   | 7-244-08   | CARTRIDGE / NORMALLY OPEN         | REF  |
| 41   | 7-244-03   | CARTRIDGE / ELECTRIC              | REF  |
| 42   | 7-244-54   | VALVE BODY / CONTROLLER RELIEF    | REF  |
| 43   | 7-244-53   | VALVE BODY / DIFF. LOCK           | REF  |
| 44   | 6-7022-62  | HOSE / 04 x 04-90 x 31 LG.        | 1    |

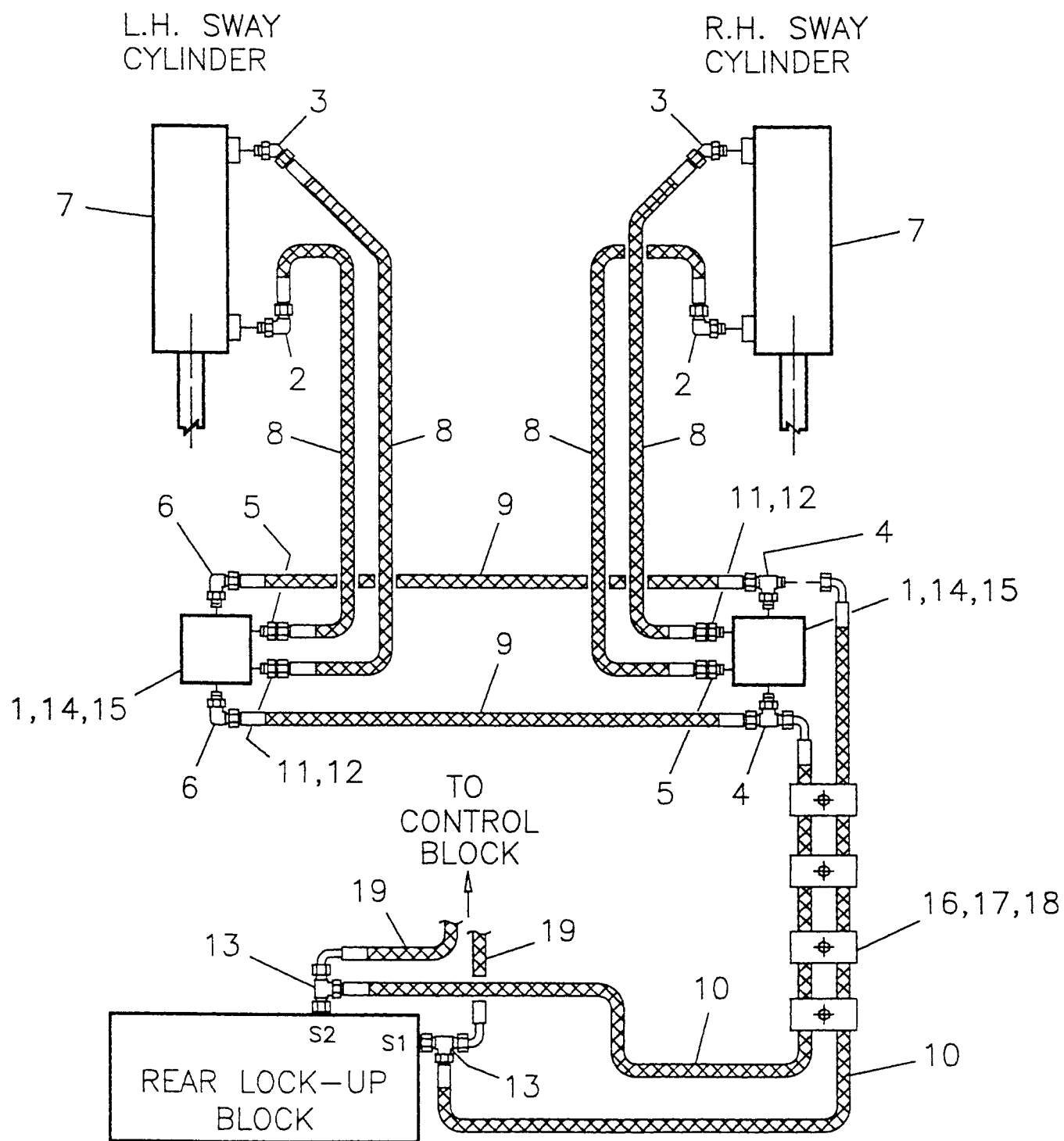


| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 6-6450-05  | FITTING / 06 OR x 04 JIC STR      | 2    |
| 2    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90       | 3    |
| 3    | 7-302-01   | MALE PRESSURE CHECK               | 2    |
| 4    | 6-6495-01  | FITTING / 08 x 04 JIC RED.EXP.(1) | REF  |
| 5    | 6-6432-15  | FITTING / 08 NPT x 08 JIC RN-TEE  | REF  |
| 6    | 6-7022-144 | HOSE / 04 x 04-90 x 72 LG. (1)    | REF  |
| 7    | 6-7002-130 | HOSE / 04 x 04 x 65 LG. (1)       | REF  |
| 8    | 6-7002-130 | HOSE / 04 x 04 x 65 LG. (1)       | REF  |
| 9    | 6-7002-130 | HOSE / 04 x 04 x 65 LG. (1)       | REF  |
| 10   | 6-7022-144 | HOSE / 04 x 04-90 x 72 LG. (1)    | REF  |
| 11   | 6-7002-62  | HOSE / 04 x 04 x 31 LG.           | 1    |
| 12   | 6-7002-62  | HOSE / 04 x 04 x 31 LG.           | 1    |
| 13   | 6-7002-42  | HOSE / 04 x 04 x 21 LG.           | REF  |
| 14   | 6-7002-42  | HOSE / 04 x 04 x 21 LG.           | 1    |
| 15   | 6-7002-42  | HOSE / 04 x 04 x 21 LG.           | 1    |
| 16   | 6-7022-34  | HOSE / 04 x 04-90 x 17 LG.        | 1    |
| 17   | 7-200-82   | CONTROLLER / AUTO                 | REF  |
| 18   | 7-302-02   | FEMALE PRESSURE CHECK             | 1    |
| 19   | 6-6450-03  | FITTING / 04 OR x 04 JIC STR (1)  | REF  |
| 20   | 7-234-75   | CONTROL BLOCK                     | REF  |
| 21   | 7-234-07   | LOGIC BLOCK                       | REF  |
| 22   | 3-1082-1   | MOUNT / LOGIC BLOCK               | 1    |
| 23   | 6-5205-06  | CAPSCREW 5/16 NC x 3/4 LG.        | 3    |
| 24   | 6-6211-05  | LOCKWASHER 5/16                   | 3    |
| 25   | 6-5206-06  | CAPSCREW 3/8 NC x 3/4 LG.         | 4    |
| 26   | 6-6211-06  | LOCKWASHER 3/8                    | 4    |
| 27   | 7-234-50   | VALVE / TILT LIMITER              | REF  |
| 28   | 6-6452-19  | FITTING / 06 OR x 04 JIC 45       | 1    |
| 29   | 6-6481-03  | FITTING / 04 JIC SW-RN-TEE        | REF  |
| 30   | 7-256-27   | MALE PRESSURE CHECK               | 4    |
| 31   | 7-256-28   | FEMALE PRESSURE CHECK             | 1    |

|                   |         |                                                     |                |     |
|-------------------|---------|-----------------------------------------------------|----------------|-----|
| DRAWING<br>NUMBER | P4-1461 | CIRCUIT / AUTO-CONTROLLER<br>SS-1048 SQUARE SHOOTER | PAGE<br>NUMBER | 33A |
|-------------------|---------|-----------------------------------------------------|----------------|-----|



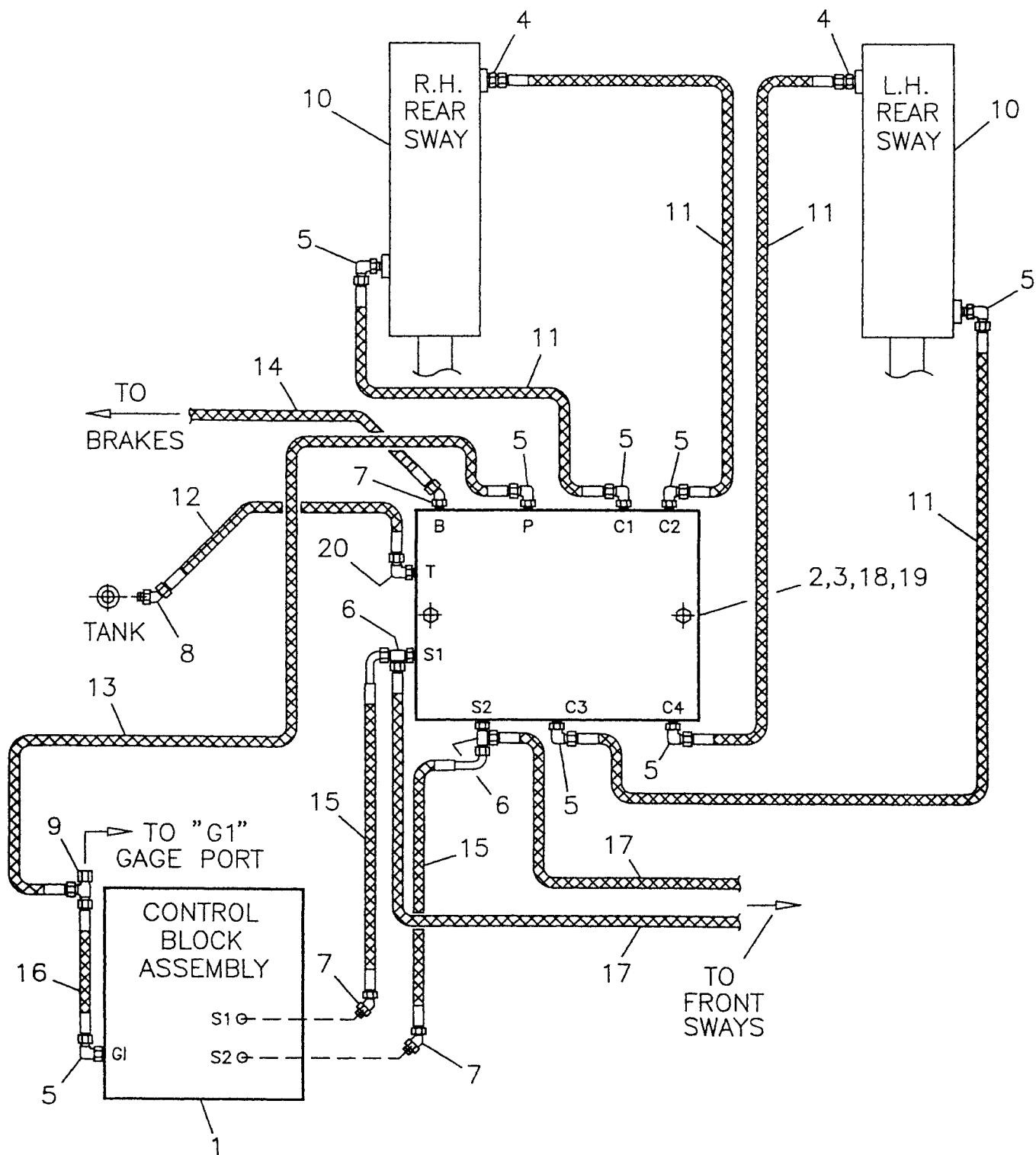
| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | 6-6453-06  | FITTING / 06 OR x 06 JIC 90     | 4    |
| 2    | 6-6455-05  | FITTING / 06 OR x 06 JIC RN-TEE | 4    |
| 3    | 6-6450-12  | FITTING / 08 OR x 08 JIC STR    | 3    |
| 4    | 6-6453-09  | FITTING / 08 OR x 08 JIC 90     | 1    |
| 5    | 6-6450-15  | FITTING / 08 OR x 10 JIC STR    | 1    |
| 6    | 6-7023-70  | HOSE / 06 x 06-90 x 35 LG.      | 4    |
| 7    | 6-7013-158 | HOSE / 06 x 08 x 79 LG.         | 1    |
| 8    | 6-7023-252 | HOSE / 06 x 06-90 x 126 LG.     | 1    |
| 9    | 6-7023-76  | HOSE / 06 x 06-90 x 38 LG.      | 1    |
| 10   | 7-234-75   | CONTROL BLOCK                   | REF  |
| 11   | 6-7004-210 | HOSE / 08 x 08 x 105 LG.        | 1    |
| 12   | 6-7004-388 | HOSE / 08 x 08 x 194 LG.        | 1    |
| 13   | 6-7005-364 | HOSE / 10 x 10 x 182 LG.        | 1    |
| 14   | 7-331-01   | STEERING ORBITRAL               | REF  |
| 15   | 7-344-01   | STEERING VALVE / ELECTRIC       | REF  |
| 16   | 7-229-337  | CYLINDER / STEERING             | REF  |
| 17   | 7-229-337  | CYLINDER / STEERING             | REF  |
| 18   | 6-6450-12  | FITTING / 08 OR x 08 JIC STR    | 1    |
| 19   | 6-6425-18  | FITTING / 12 NPT x 10 JIC STR   | 1    |
| 20   | 6-7124-34  | HOSE / 08 MALE x 08-90 x 17 LG. | 1    |
| 21   | 6-6450-09  | FITTING / 08 OR x 06 JIC STR    | 3    |
| 22   | 7-273-27   | CLAMP HALF SET / 3/8 TWIN HOSE  | 2    |
| 23   | 7-273-23   | TOP PLATE / 3/8 HOSE CLAMP      | 2    |
| 24   | 6-5205-10  | CAPSCREW 5/16 NC x 1 1/4 LG.    | 2    |
| 25   | 2-1142     | HOSE SUPPORT                    | 2    |
| 26   | 6-7023-100 | HOSE / 06 x 06-90 x 50 LG.      | 1    |
| 27   | 7-344-02   | SUBPLATE / STEERING VALVE       | 1    |
| 28   | 7-344-03   | BOLT KIT / STEERING VALVE       | 1    |
| 29   | 6-5204-08  | CAPSCREW 1/4 NC x 1 LG.         | 4    |
| 30   | 6-6211-04  | LOCKWASHER 1/4                  | 4    |



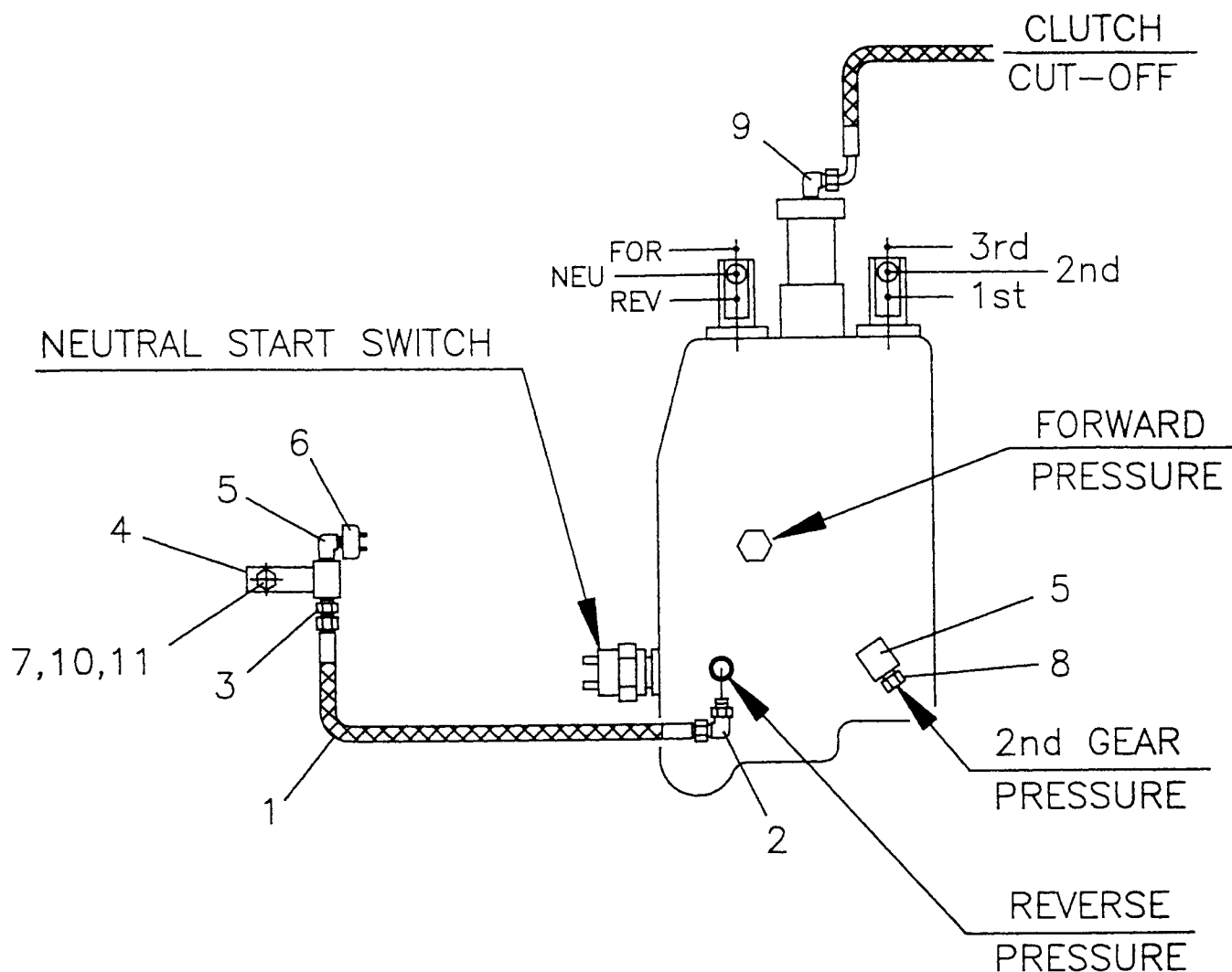
| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | 7-234-04   | VALVE / DUAL CHECK              | REF  |
| 2    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90     | 2    |
| 3    | 6-6452-19  | FITTING / 06 OR x 04 JIC 45     | 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    | 2    |
| 6    | 6-6453-09  | FITTING / 08 OR x 08 JIC 90     | 2    |
| 7    | 7-316-01   | 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   | 6-7033-320 | HOSE / 06 x 08-90 x 160 LG.     | 2    |
| 11   | 1-1092     | RESTRICTOR FITTING              | 2    |
| 12   | 1-1093-2   | RESTRICTOR PLUG (.060)          | 2    |
| 13   | 6-6455-05  | FITTING / 06 OR x 06 JIC RN-TEE | REF  |
| 14   | 6-6211-05  | LOCKWASHER 5/16                 | 4    |
| 15   | 6-5205-14  | CAPSCREW 5/16 NC x 1 3/4 LG.    | 4    |
| 16   | 7-273-27   | CLAMP HALF SET / 3/8 TWIN HOSE  | 4    |
| 17   | 7-273-23   | TOP PLATE / 3/8 HOSE CLAMP      | 4    |
| 18   | 6-5205-22  | CAPSCREW 5/16 NC x 2 3/4 LG.    | 4    |
| 19   | 6-7023-62  | HOSE / 06 x 06-90 x 31 LG.      | REF  |



| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 6-7003-194 | HOSE / 06 x 06 x 97 LG.          | 4    |
| 2    | 6-7024-370 | HOSE / 08 x 08-90 x 185 LG.      | 1    |
| 3    | 6-7024-370 | HOSE / 08 x 08-90 x 185 LG.      | 1    |
| 4    | 6-7003-40  | HOSE / 06 x 06 x 20 LG.          | 2    |
| 5    | 6-6450-09  | FITTING / 08 OR x 06 JIC STR.    | 4    |
| 6    | 6-6452-14  | FITTING / 08 OR x 06 JIC 45      | 4    |
| 7    | 6-6453-07  | FITTING / 08 OR x 06 JIC 90      | 2    |
| 8    | 6-6457-06  | FITTING / 08 OR HEX HD PLUG      | 2    |
| 9    | 6-6450-12  | FITTING / 08 OR x 08 JIC STR.    | 2    |
| 10   | 1-1108     | RESTRICTOR FITTING               | 2    |
| 11   | 1-1093-3   | RESTRICTOR PLUG (.081)           | 2    |
| 12   | 6-6481-06  | FITTING / 08 JIC SW-RN-TEE       | REF  |
| 13   | 6-6426-14  | FITTING / 12 NPT x 08 JIC 45     | 1    |
| 14   | 6-5606-14  | CAPSCREW SH 3/8 NC x 1 3/4 LG.   | 4    |
| 15   | 6-6214-06  | LOCKWASHER 3/8 HI-COLLAR         | 4    |
| 16   | 6-5205-06  | CAPSCREW 5/16 NC x 3/4 LG.       | 4    |
| 17   | 6-6211-05  | LOCKWASHER 5/16                  | 4    |
| 18   | 7-234-78   | MOTION VALVE / STABILIZER        | 2    |
| 19   | 7-316-12   | CYLINDER / STABILIZER            | REF  |
| 20   | 7-244-29   | VALVE / 2 SECTION / STABILIZER   | 1    |
| 21   | 7-200-80   | VALVE / 3 SECTION                | REF  |
| 22   | 4-1443     | OIL RESERVOIR                    | REF  |
| 23   | 6-9615-240 | HOSE ARMOR 1.00 ID x 30 LG.      | 2    |
| 24   | 6-9615-80  | HOSE ARMOR 1.00 ID x 10 LG.      | 2    |
| 25   | 6-6450-14  | FITTING / 12 OR x 08 JIC STR     | REF  |
| 26   | 7-244-27   | DIN CONNECTOR                    | 4    |
| 27   | 7-244-47   | VALVE / SINGLE PILOT OPER. CHECK | 2    |
| 28   | 7-273-25   | CLAMP HALF SET / 1/2 TWIN HOSE   | 4    |
| 29   | 7-273-27   | CLAMP HALF SET / 3/8 TWIN HOSE   | 6    |
| 30   | 6-5205-16  | CAPSCREW 5/16 NC x 2 LG.         | 2    |
| 31   | 7-273-23   | COVER PLATE / 3/8 HOSE CLAMP     | 6    |
| 32   | 6-5205-22  | CAPSCREW 5/16 NC x 2 3/4 LG.     | REF  |
| 33   | 7-244-48   | STACKING KIT                     | 2    |
| 34   | 6-5205-10  | CAPSCREW 5/16 NC x 1 1/4 LG.     | 4    |

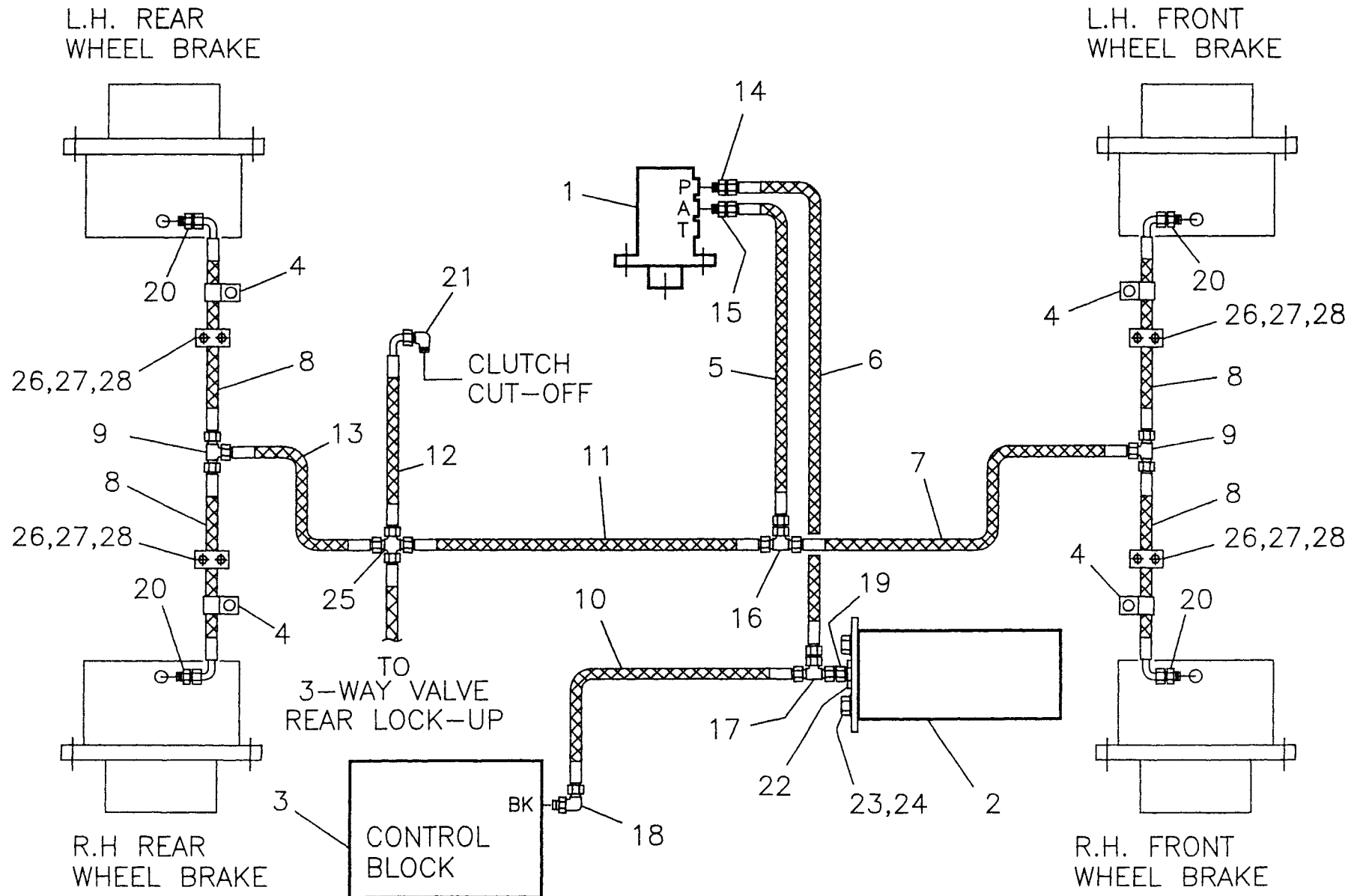


| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | 7-234-75   | CONTROL BLOCK                   | REF  |
| 2    | 7-234-76   | BLOCK ASSEMBLY / REAR LOCK-UP   | REF  |
| 3    | 7-304-05   | CARTRIDGE / MODULAR CONTROL     | 2    |
| 4    | 6-6450-05  | FITTING / 06 OR x 04 JIC STR    | 2    |
| 5    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90     | 8    |
| 6    | 6-6455-05  | FITTING / 06 OR x 06 JIC RN-TEE | 2    |
| 7    | 6-6452-03  | FITTING / 06 OR x 06 JIC 45     | 3    |
| 8    | 6-6426-10  | FITTING / 08 NPT x 06 JIC 45    | 1    |
| 9    | 6-6481-03  | FITTING / 04 JIC SW-RN-TEE      | 1    |
| 10   | 7-316-01   | CYLINDER / REAR LOCK-UP         | REF  |
| 11   | 6-7002-74  | HOSE / 04 x 04 x 37 LG.         | 4    |
| 12   | 6-7003-56  | HOSE / 06 x 06 x 28 LG.         | 1    |
| 13   | 6-7002-56  | HOSE / 04 x 04 x 28 LG.         | 1    |
| 14   | 6-7003-222 | HOSE / 06 x 06 x 111 LG.        | 1    |
| 15   | 6-7023-62  | HOSE / 06 x 06-90 x 31 LG.      | 2    |
| 16   | 6-7002-42  | HOSE / 04 x 04 x 21 LG.         | 1    |
| 17   | 6-7033-320 | HOSE / 06 x 08-90 x 160 LG.     | REF  |
| 18   | 6-5205-20  | CAPSCREW 5/16 NC x 2 1/2 LG.    | 2    |
| 19   | 6-6211-05  | LOCKWASHER 5/16                 | 2    |
| 20   | 6-6453-06  | FITTING / 06 OR x 06 JIC 90     | 1    |

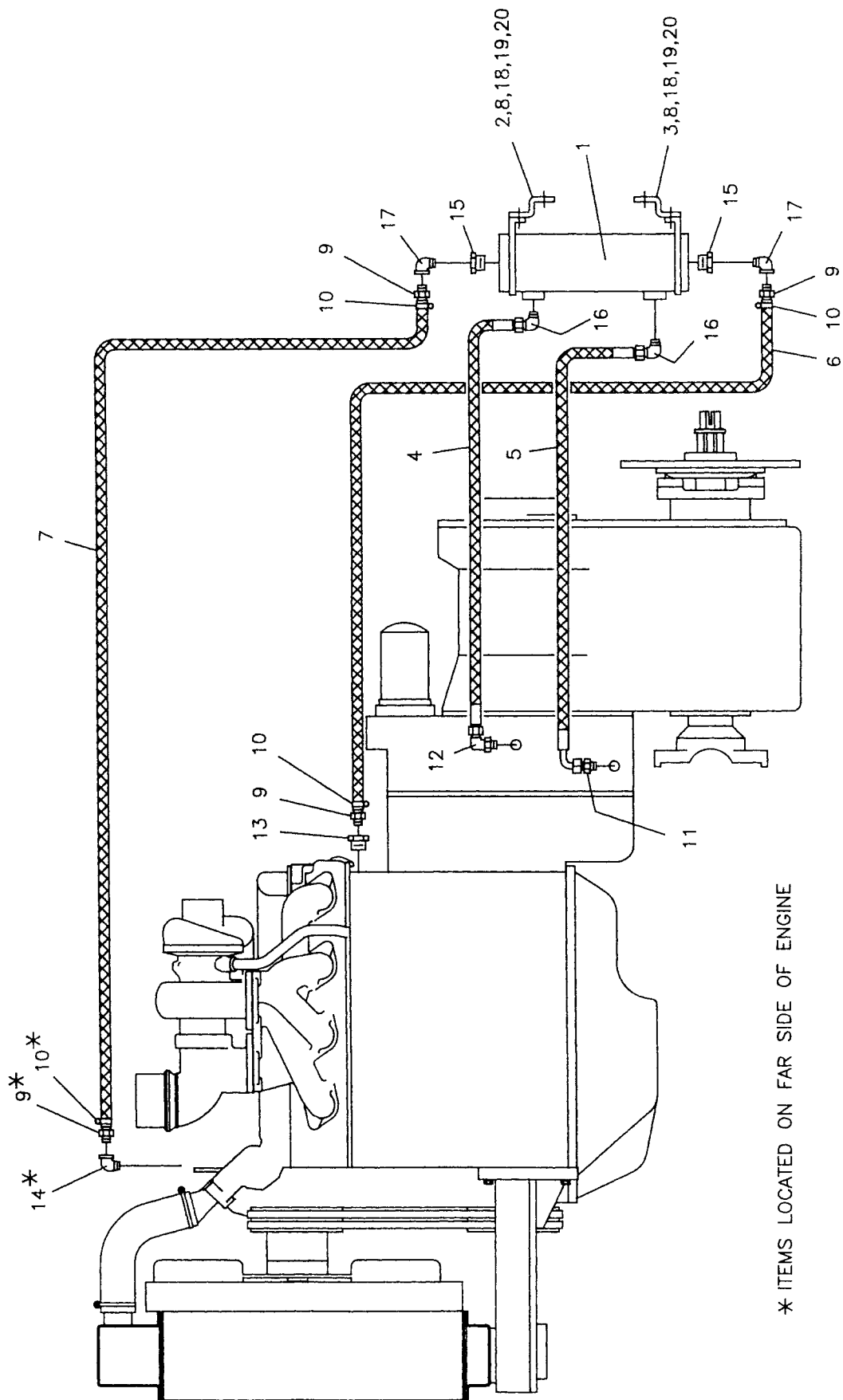


| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 6-7002-42 | HOSE / 04 x 04 x 21 LG.           | 1    |
| 2    | 6-6427-03 | FITTING / 02 NPT x 04 JIC 90      | 1    |
| 3    | 6-6425-03 | FITTING / 02 NPT x 04 JIC STR     | 1    |
| 4    | 1-1019    | MOUNT                             | 1    |
| 5    | 6-6422-01 | FITTING / 02 x 02 NPT BRASS ELBOW | 2    |
| 6    | 7-303-01  | PRESSURE SWITCH                   | REF  |
| 7    | 6-5207-40 | CAPSCREW 7/16 NC x 5 LG.          | 1    |
| 8    | 6-6409-01 | FITTING / 02 NPT HEX HD PLUG      | REF  |
| 9    | 6-6427-03 | FITTING / 02 NPT x 04 JIC 90      | REF  |
| 10   | 6-6211-07 | LOCKWASHER 7/16                   | 1    |
| 11   | 6-6212-06 | FLATWASHER 3/8                    | 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.



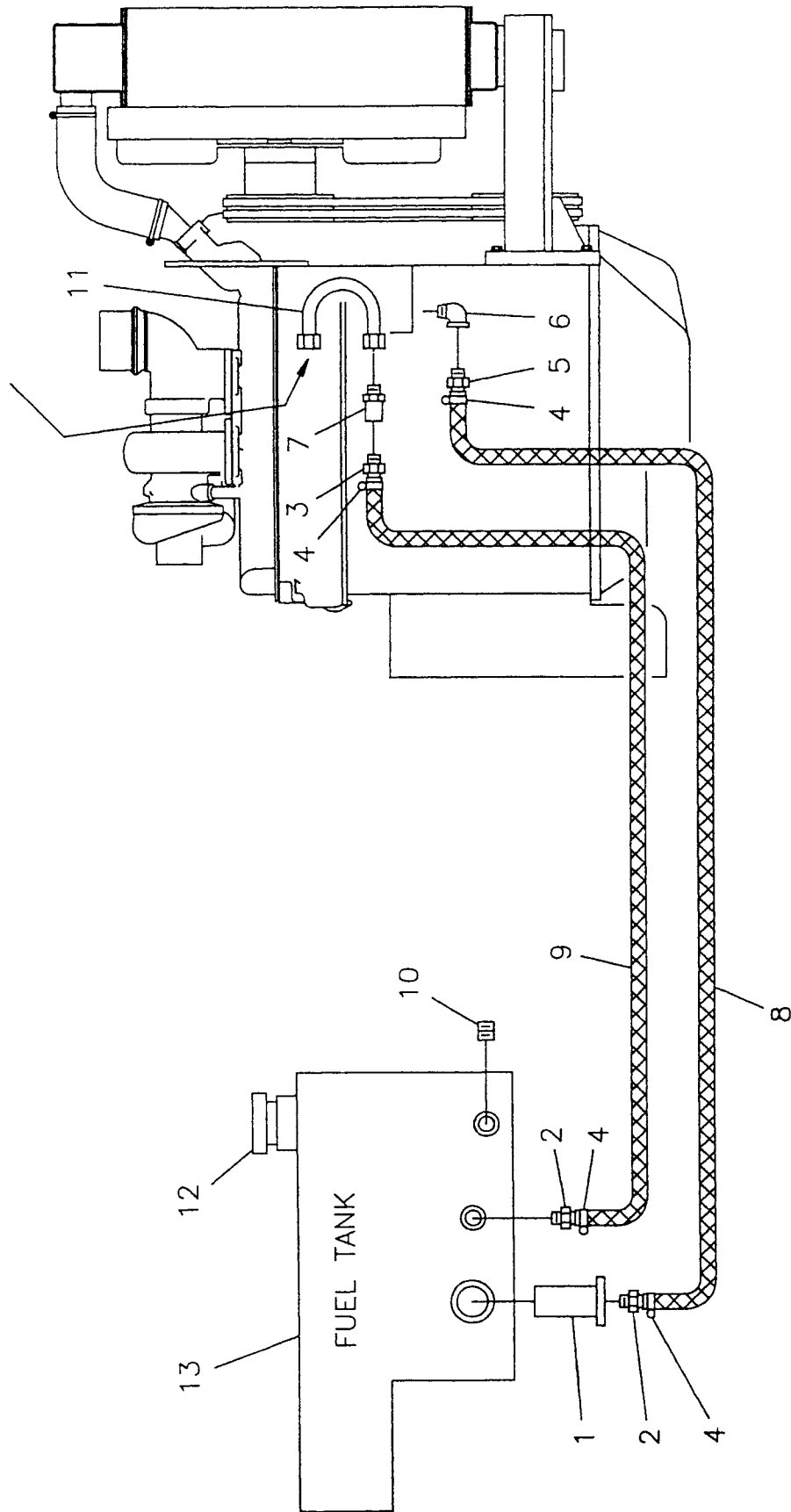
| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 7-198-39   | ACTUATOR / BRAKE                 | REF  |
| 2    | 7-256-25   | ACCUMULATOR / BRAKE              | REF  |
| 3    | 7-234-75   | CONTROL BLOCK                    | REF  |
| 4    | 1-1025     | CLAMP                            | 4    |
| 5    | 6-7003-74  | HOSE / 06 x 06 x 37 LG.          | 1    |
| 6    | 6-7002-74  | HOSE / 04 x 04 x 37 LG.          | 1    |
| 7    | 6-7003-100 | HOSE / 06 x 06 x 50 LG.          | 1    |
| 8    | 6-7042-94  | HOSE / 06 x 04-90 x 47 LG.       | 4    |
| 9    | 6-6482-05  | FITTING / 06 JIC TEE             | 2    |
| 10   | 6-7002-330 | HOSE / 04 x 04 x 165 LG.         | 1    |
| 11   | 6-7003-100 | HOSE / 06 x 06 x 50 LG.          | 1    |
| 12   | 6-7042-37  | HOSE / 06 x 04-90 x 18.5 LG.     | 1    |
| 13   | 6-7003-100 | HOSE / 06 x 06 x 50 LG.          | 1    |
| 14   | 6-6450-06  | FITTING / 08 OR x 04 JIC STR     | 1    |
| 15   | 6-6450-09  | FITTING / 08 OR x 06 JIC STR     | 1    |
| 16   | 6-6482-05  | FITTING / 06 JIC TEE             | 1    |
| 17   | 6-6481-03  | FITTING / 04 JIC SW-RN-TEE       | 1    |
| 18   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90      | 1    |
| 19   | 6-6425-03  | FITTING / 02 NPT x 04 JIC STR    | 1    |
| 20   | 7-229-112  | FITTING / WITH AXLE              | REF  |
| 21   | 6-6427-03  | FITTING / 02 NPT x 04 JIC 90     | 1    |
| 22   | 1-2014     | FITTING / 20 OR x 02 NPT REDUCER | 1    |
| 23   | 6-5308-08  | CAPSCREW 1/2 NF x 1 LG.          | 3    |
| 24   | 6-6211-08  | LOCKWASHER 1/2                   | 3    |
| 25   | 6-6483-05  | FITTING / 06 JIC CROSS           | 1    |
| 26   | 7-273-18   | CLAMP HALF SET / 1/4 SINGLE HOSE | 4    |
| 27   | 7-273-20   | TOP PLATE / 1/4 HOSE CLAMP       | 4    |
| 28   | 6-5204-12  | CAPSCREW 1/4 NC x 1 1/2 LG.      | 8    |



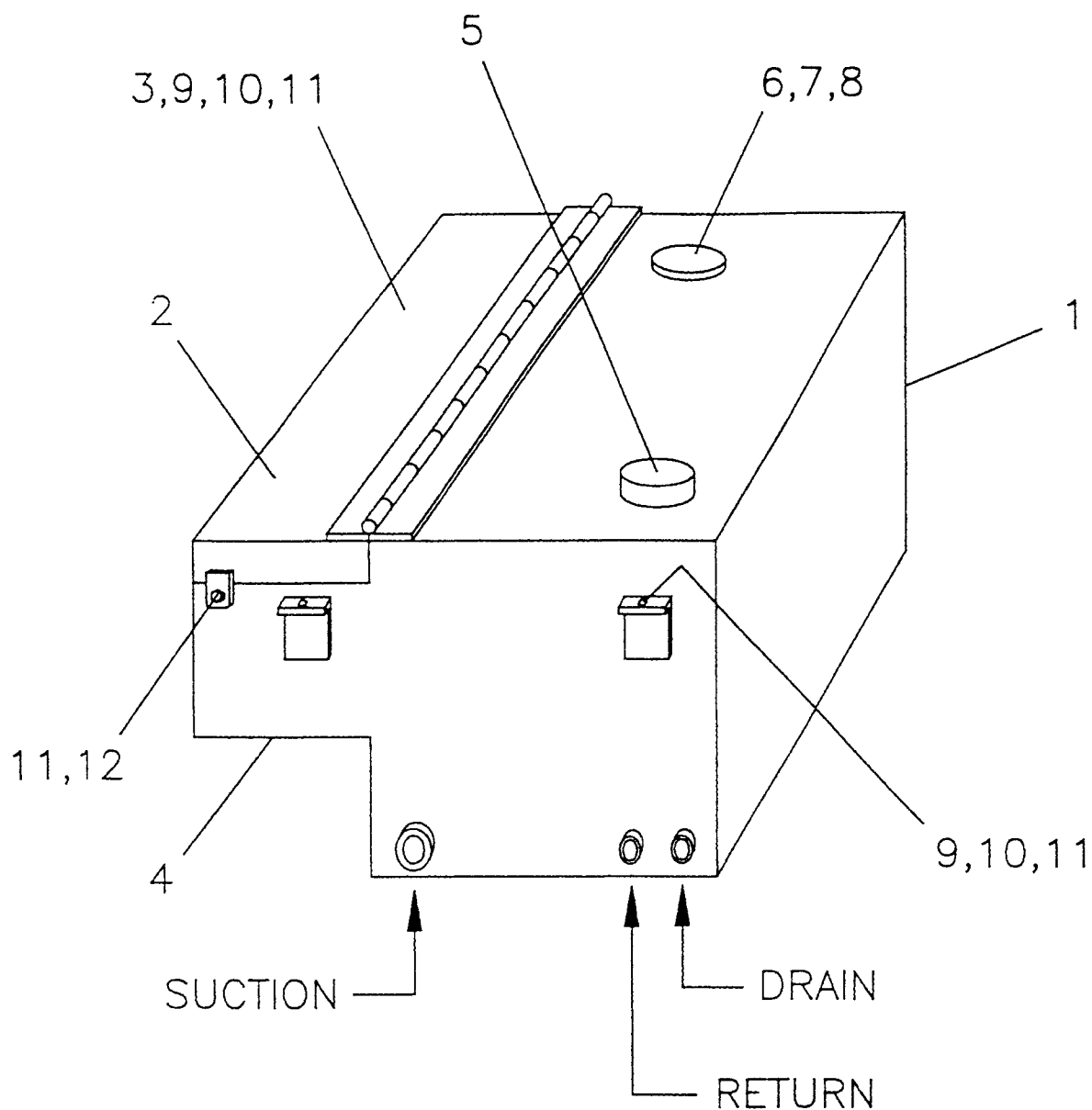
\* ITEMS LOCATED ON FAR SIDE OF ENGINE

| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | 7-236-07   | OIL COOLER                      | 1    |
| 2    | 3-1205-1   | MOUNT / OIL COOLER / RH         | 1    |
| 3    | 3-1205-2   | MOUNT / OIL COOLER / LH         | 1    |
| 4    | 6-7006-58  | HOSE / 12 x 12 x 29 LG.         | 1    |
| 5    | 6-7026-52  | HOSE / 12 x 12-90 x 26 LG.      | 1    |
| 6    | 6-9611-272 | HOSE-HEATER 3/4 x 34 LG.        | 1    |
| 7    | 6-9611-704 | HOSE-HEATER 3/4 x 88 LG.        | 1    |
| 8    | 6-6212-05  | FLATWASHER 5/16                 | 4    |
| 9    | 6-6423-18  | HOSE END / 12-8 MALE PIPE       | 4    |
| 10   | 6-6452-04  | HOSE CLAMP / NO.12              | 4    |
| 11   | 6-6450-20  | FITTING / 12 OR x 12 JIC STR    | 1    |
| 12   | 6-6453-15  | FITTING / 12 OR x 12 JIC 90     | 1    |
| 13   | 6-6406-11  | FITTING / NPT REDUCER 1 x 1/2   | 1    |
| 14   | 6-6437-04  | FITTING / 08 NPT ST-ELBOW BLK-P | 1    |
| 15   | 6-6406-07  | FITTING / NPT REDUCER 3/4 x 1/2 | 2    |
| 16   | 6-6427-18  | FITTING / 12 NPT x 12 JIC 90    | 2    |
| 17   | 6-6437-04  | FITTING / 08 NPT ST-ELBOW BLK-P | 2    |
| 18   | 6-5205-06  | CAPSCREW 5/16 NC x 3/4 LG.      | 4    |
| 19   | 6-6211-05  | LOCKWASHER 5/16                 | 4    |
| 20   | 6-6201-05  | HEX NUT 5/16 NC                 | 4    |

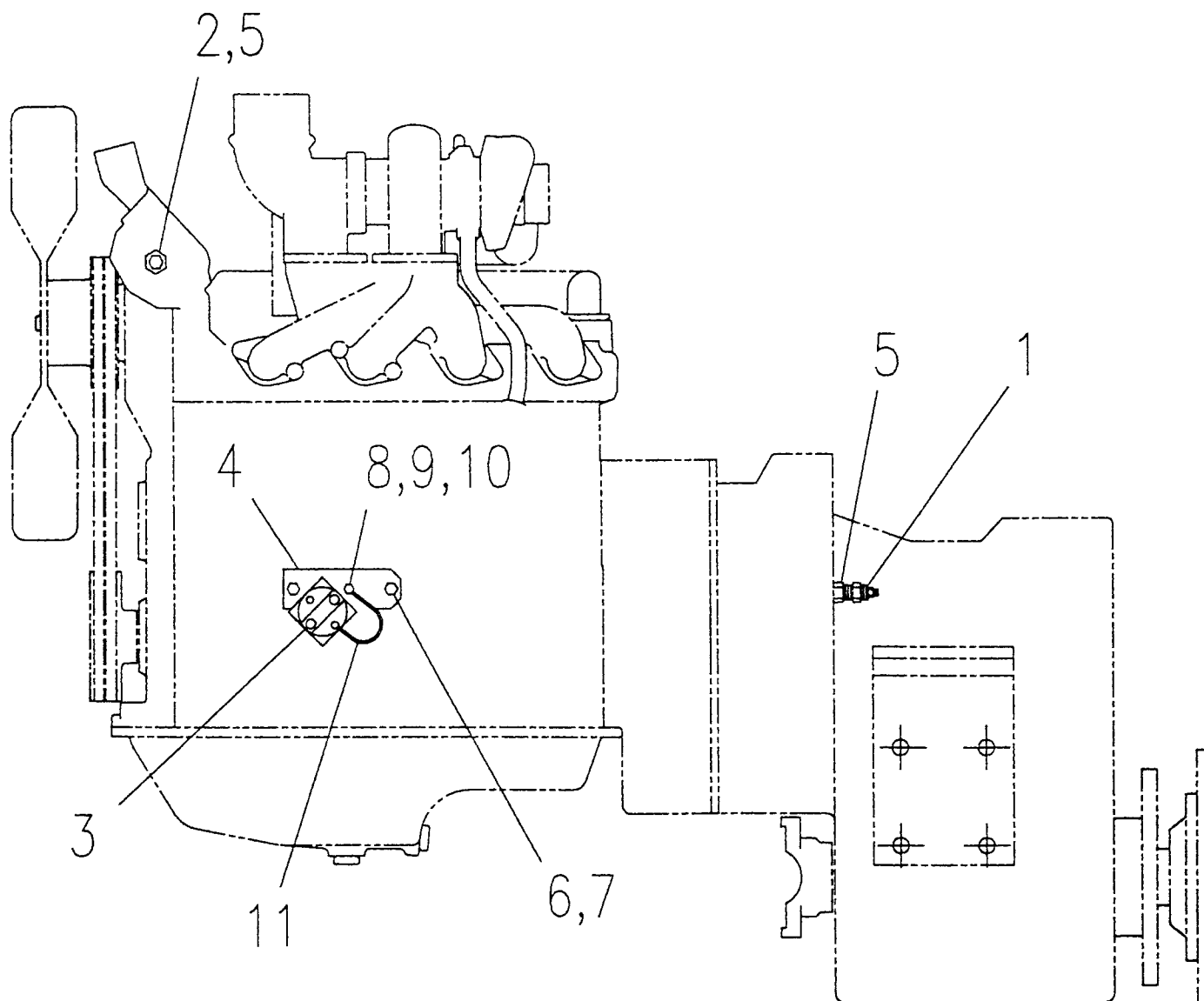
TO ENGINE FUEL RETURN LINE



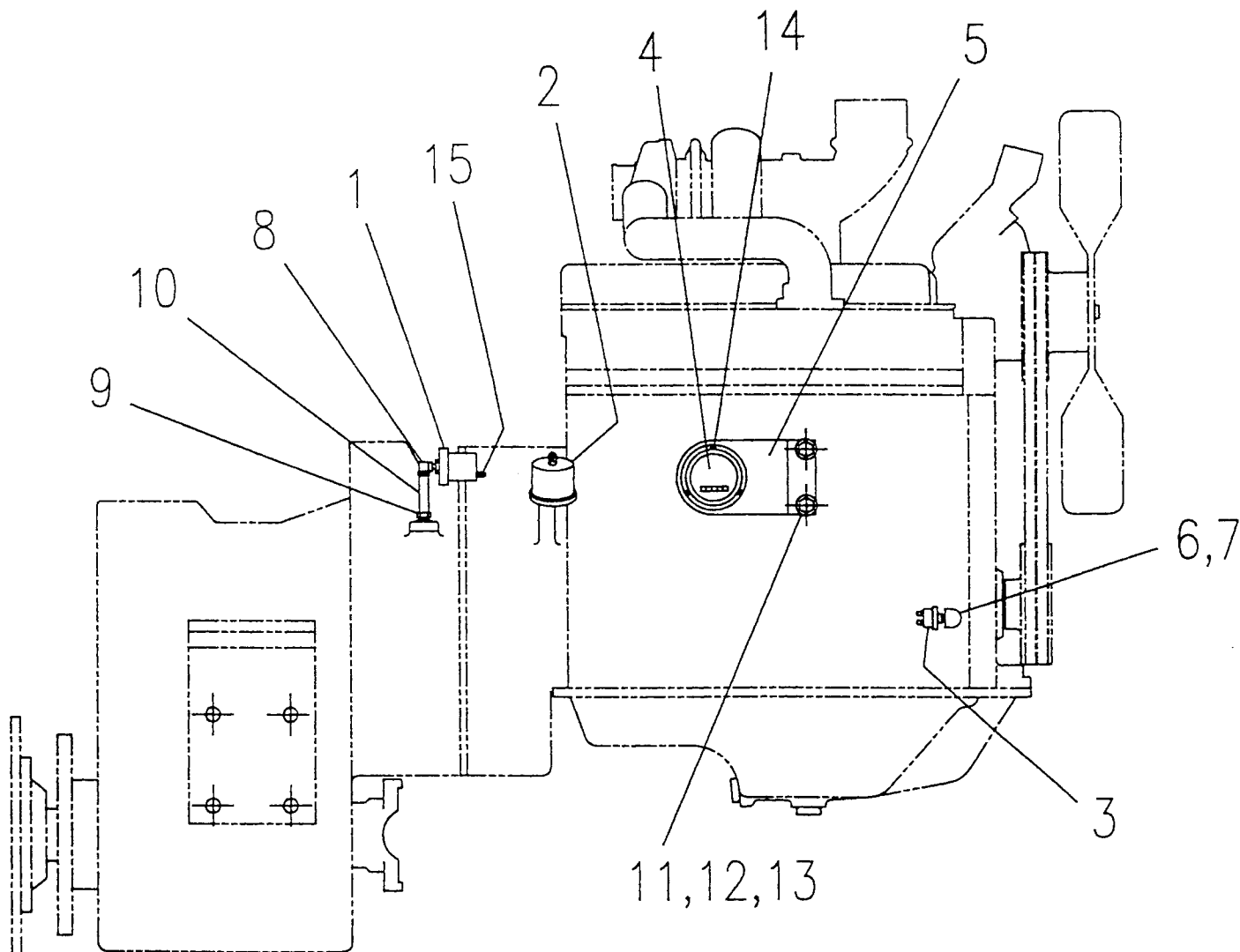
| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 7-272-05   | FUEL STRAINER                     | 1    |
| 2    | 6-6423-10  | FITTING / 08 x 06 BRASS HOSE END  | 2    |
| 3    | 6-6423-08  | FITTING / 04 x 06 BRASS HOSE END  | 1    |
| 4    | 6-6252-01  | HOSE CLAMP / NO.6                 | 4    |
| 5    | 6-6423-07  | FITTING / 02 x 06 BRASS HOSE END  | 1    |
| 6    | 6-6422-01  | FITTING / 02 x 02 NPT BRASS ELBOW | 1    |
| 7    | 6-6424-05  | FITTING / 04 x 04 BRASS TUBE END  | 1    |
| 8    | 6-9605-640 | HOSE-FUEL 3/8 x 80 LG.            | 1    |
| 9    | 6-9605-544 | HOSE-FUEL 3/8 x 68 LG.            | 1    |
| 10   | 6-6408-06  | FITTING / NPT FLUSH PLUG 3/4      | 1    |
| 11   | 1-1034     | TUBE / FUEL LINE                  | 1    |
| 12   | 7-264-01   | FILLER CAP / FUEL                 | REF  |
| 13   | 4-1444     | FUEL TANK / BATTERY BOX           | REF  |



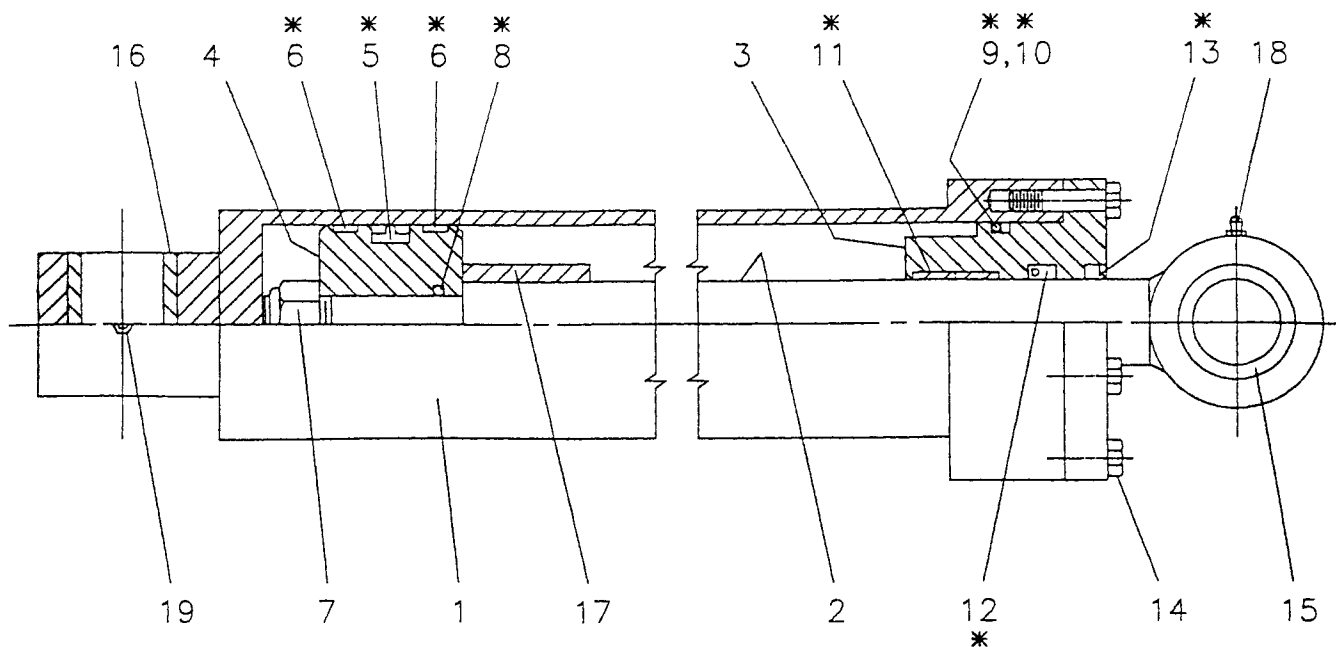
| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 4-1444    | FUEL TANK / BATTERY BOX       | 1    |
| 2    | 1-1095    | PLYWOOD PAD / BATTERY BOX     | 1    |
| 3    | 1-1096    | HOLD DOWN / BATTERY           | 1    |
| 4    | 7-194-09  | GROMMET / BATTERY BOX         | 2    |
| 5    | 7-264-01  | FILLER CAP / FUEL             | 1    |
| 6    | 7-172-03  | SENDER / FUEL GAUGE           | REF  |
| 7    | 7-172-15  | GASKET / FUEL SENDER          | REF  |
| 8    | 6-6284-07 | MACHINE SCREW 10-32 x 1/2 LG. | 5    |
| 9    | 6-5206-08 | CAPSCREW 3/8 NC x 1 LG.       | 6    |
| 10   | 6-6212-06 | FLATWASHER 3/8                | 14   |
| 11   | 6-6211-06 | LOCKWASHER 3/8                | 7    |
| 12   | 6-5206-06 | CAPSCREW 3/8 NC x 3/4 LG.     | 1    |



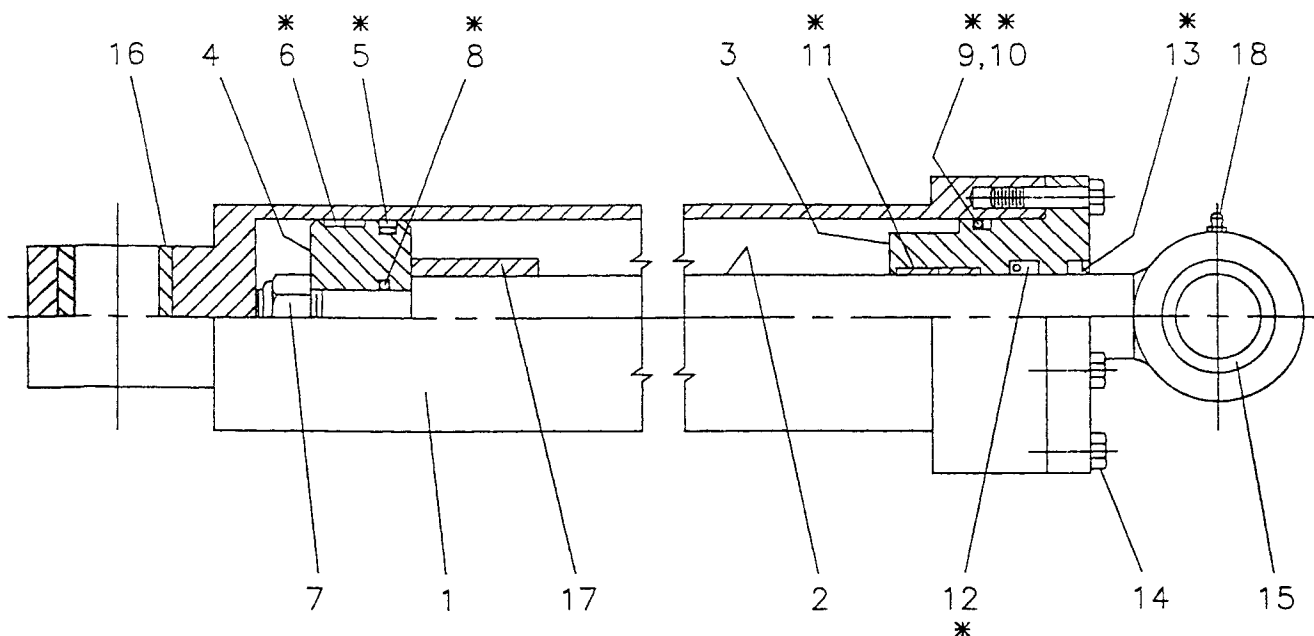
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-172-07  | SENDER / TRANS. OIL TEMP.       | REF  |
| 2    | 7-172-09  | SENDER / ENGINE WATER TEMP.     | REF  |
| 3    | 7-183-18  | RELAY / STARTER                 | REF  |
| 4    | 1-1024    | MOUNT / STARTER RELAY           | 1    |
| 5    | 6-6406-04 | FITTING / NPT REDUCER 1/2 x 3/8 | 2    |
| 6    | 6-5209-08 | CAPSCREW 9/16 NC x 1 LG.        | 1    |
| 7    | 6-6211-09 | LOCKWASHER 9/16                 | 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    |



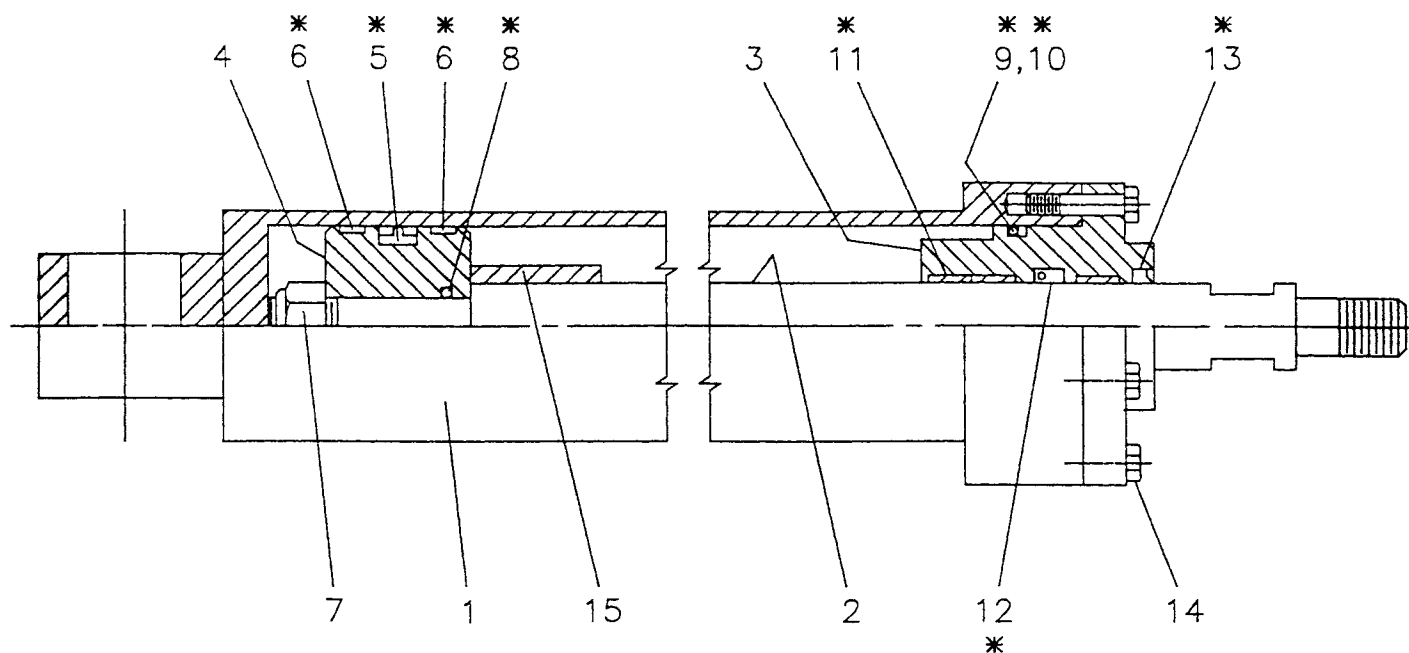
| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 1    | 7-258-05  | SENDER / TRAN. OIL PRESSURE       | REF  |
| 2    | 7-172-05  | SENDER / ENGINE OIL PRESSURE      | REF  |
| 3    | 7-231-02  | PRESSURE SWITCH / HOURMETER       | REF  |
| 4    | 7-172-01  | HOURMETER                         | REF  |
| 5    | 1-1022    | MOUNT / HOURMETER                 | 1    |
| 6    | 6-6422-01 | FITTING / 02 x 02 NPT BRASS ELBOW | 1    |
| 7    | 6-6406-03 | FITTING / NPT REDUCER 3/8 x 1/8   | 1    |
| 8    | 6-6404-01 | FITTING / 02 NPT ELBOW            | 1    |
| 9    | 6-6458-02 | FITTING / 06 OR x 02 NPT REDUCER  | 1    |
| 10   | 6-6410-03 | FITTING / 1/8 PIPE NIPPLE         | 1    |
| 11   | 6-5206-06 | CAPSCREW 3/8 NC x 3/4 LG.         | 2    |
| 12   | 6-6211-06 | LOCKWASHER 3/8                    | 2    |
| 13   | 6-6212-06 | FLATWASHER 3/8                    | 2    |
| 14   | 6-6284-02 | MACHINE SCREW 8-32 x 1/2 LG.      | 3    |
| 15   | 6-6286-06 | HEX NUT 10-32                     | 1    |



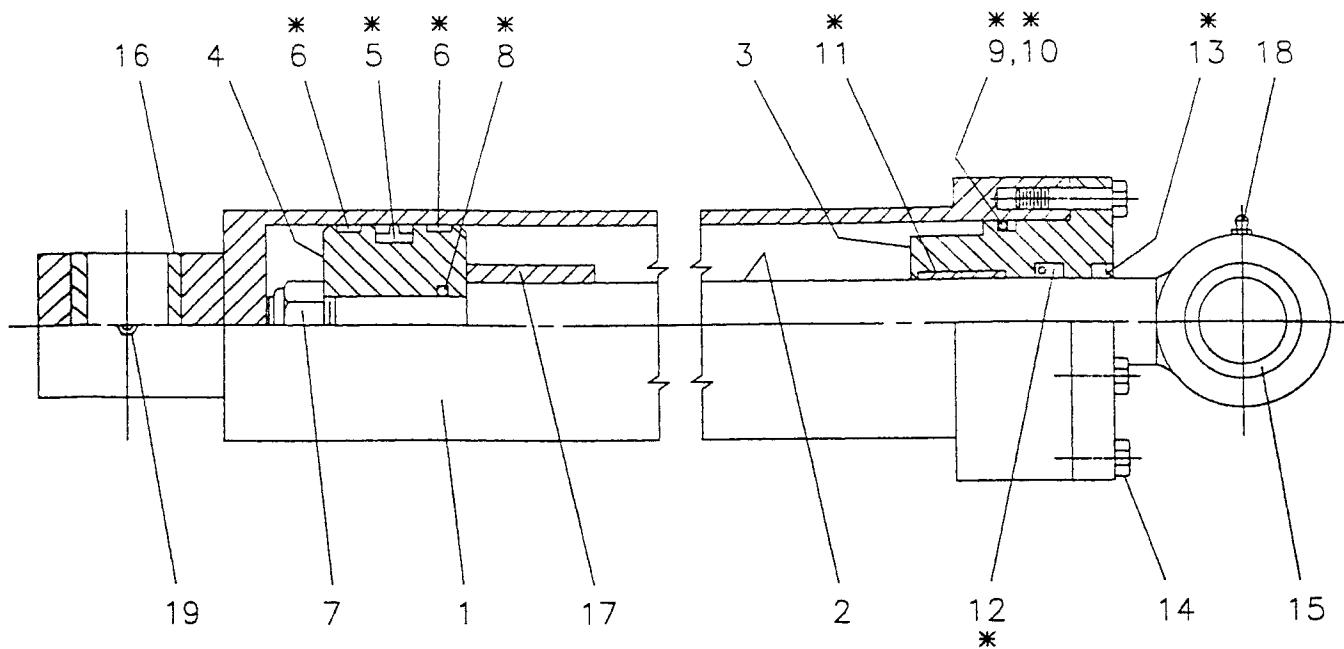
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-316-139 | TUBE WELDMENT                  | 1    |
| 2    | 7-316-127 | SHAFT                          | 1    |
| 3    | 7-316-98  | HEAD                           | 1    |
| 4    | 7-316-111 | PISTON                         | 1    |
| 5    | 7-316-54  | SEAL / PISTON (*)              | 1    |
| 6    | 7-316-65  | 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   | 7-316-39  | WEAR RING / HEAD (*)           | 2    |
| 12   | 7-316-20  | SEAL / SHAFT (*)               | 1    |
| 13   | 7-316-38  | WIPER / SHAFT (*)              | 1    |
| 14   | 7-316-96  | CAPSCREW 1/2                   | 8    |
| 15   | 7-316-155 | BRONZE BUSHING / Ref 6-4520-32 | 1    |
| 16   | 7-316-156 | BRONZE BUSHING / Ref 6-4516-24 | 1    |
| 17   | 7-316-153 | SPACER                         | 1    |
| 18   | 7-316-150 | LUBE FITTING                   | 1    |
| 19   | 7-316-150 | LUBE FITTING                   | 1    |
| 20   |           |                                |      |
| 21   | 7-900-34  | SEAL KIT / ITEMS MARKED (*)    | REF  |



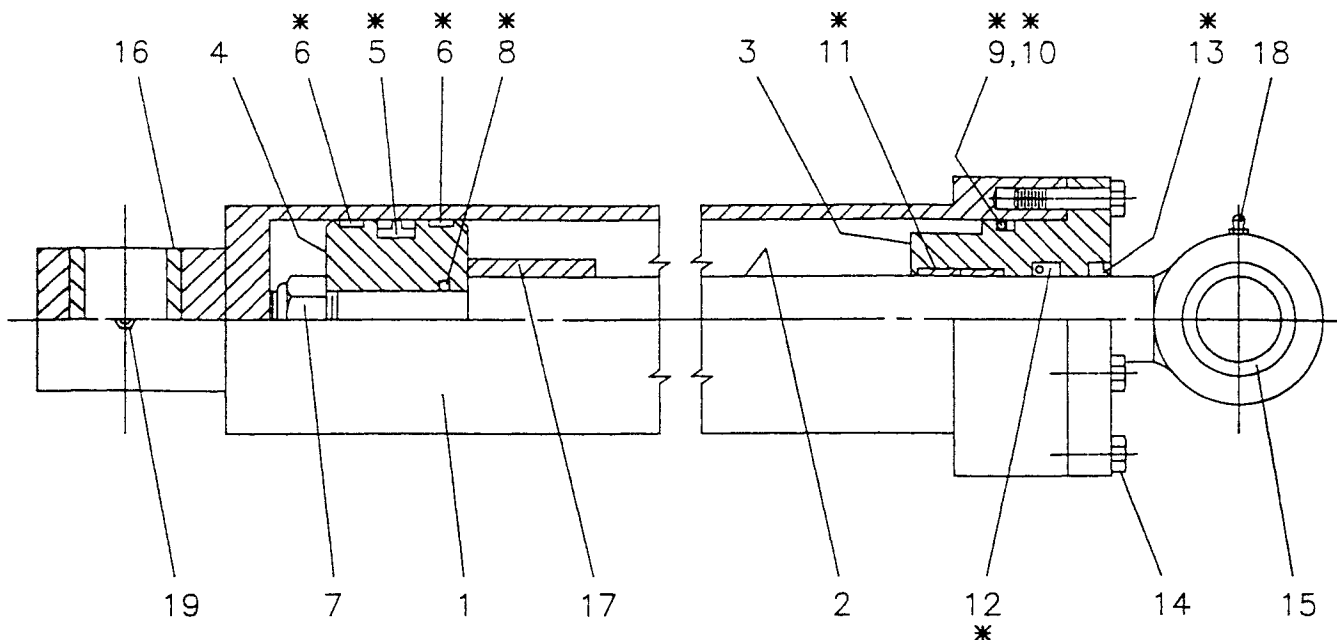
| ITEM | NUMBER    | DESCRIPTION                    | REQD    |
|------|-----------|--------------------------------|---------|
| 1    | 7-316-168 | TUBE WELDMENT                  | 1       |
| 2    | 7-316-167 | SHAFT                          | 1       |
| 3    | 7-316-102 | HEAD                           | 1       |
| 4    | 7-316-112 | PISTON                         | 1       |
| 5    | 7-316-59  | SEAL / PISTON                  | (*) 1   |
| 6    | 7-316-68  | WEAR RING / PISTON             | (*) 1   |
| 7    | 7-316-73  | SELF-LOCKING NUT               | 1       |
| 8    | 7-316-80  | O-RING / STUB SHAFT            | (*) 1   |
| 9    | 7-316-83  | O-RING / HEAD                  | (*) 1   |
| 10   | 7-316-84  | BACK-UP RING / HEAD            | (*) 1   |
| 11   | 7-316-45  | WEAR RING / HEAD               | (*) 2   |
| 12   | 7-316-29  | SEAL / SHAFT                   | (*) 1   |
| 13   | 7-316-35  | WIPER / SHAFT                  | (*) 1   |
| 14   | 7-316-96  | CAPSCREW 1/2                   | 12      |
| 15   | 7-316-156 | BRONZE BUSHING / Ref 6-4516-24 | 1       |
| 16   | 7-316-156 | BRONZE BUSHING / Ref 6-4516-24 | 1       |
| 17   | 7-316-166 | SPACER                         | 1       |
| 18   | 7-316-150 | LUBE FITTING / SHAFT END       | 1       |
| 19   |           |                                |         |
| 20   | 7-900-22  | SEAL KIT / ITEMS MARKED        | (*) REF |



| ITEM | NUMBER    | DESCRIPTION             | REQD    |
|------|-----------|-------------------------|---------|
| 1    | 7-316-128 | TUBE WELDMENT           | 1       |
| 2    | 7-316-115 | SHAFT                   | 1       |
| 3    | 7-316-107 | HEAD                    | 1       |
| 4    | 7-316-111 | PISTON                  | 1       |
| 5    | 7-316-54  | SEAL / PISTON           | (*) 1   |
| 6    | 7-316-65  | 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   | 7-316-50  | WEAR RING / HEAD        | (*) 3   |
| 12   | 7-316-30  | SEAL / SHAFT            | (*) 1   |
| 13   | 7-316-36  | WIPER / SHAFT           | (*) 1   |
| 14   | 7-316-97  | CAPSCREW 1/2            | 6       |
| 15   | 7-316-152 | SPACER                  | 1       |
| 16   |           |                         |         |
| 17   | 7-900-33  | SEAL KIT / ITEMS MARKED | (*) REF |



| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-316-130 | TUBE WELDMENT                  | 1    |
| 2    | 7-316-120 | SHAFT                          | 1    |
| 3    | 7-316-100 | HEAD                           | 1    |
| 4    | 7-316-110 | PISTON                         | 1    |
| 5    | 7-316-52  | SEAL / PISTON (*)              | 1    |
| 6    | 7-316-63  | WEAR RING / PISTON (*)         | 2    |
| 7    | 7-316-72  | SELF-LOCKING NUT               | 1    |
| 8    | 7-316-77  | O-RING / STUB SHAFT (*)        | 1    |
| 9    | 7-316-78  | O-RING / HEAD (*)              | 1    |
| 10   | 7-316-79  | BACK-UP RING / HEAD (*)        | 1    |
| 11   | 7-316-42  | WEAR RING / HEAD (*)           | 2    |
| 12   | 7-316-22  | SEAL / SHAFT (*)               | 1    |
| 13   | 7-316-32  | WIPER / SHAFT (*)              | 1    |
| 14   | 7-316-95  | CAPSCREW 7/16                  | 6    |
| 15   | 7-316-154 | BRONZE BUSHING / Ref 6-4512-16 | 1    |
| 16   | 7-316-154 | BRONZE BUSHING / Ref 6-4512-16 | 1    |
| 17   | 7-316-140 | SPACER                         | 1    |
| 18   | 7-316-150 | LUBE FITTING                   | 1    |
| 19   | 7-316-150 | LUBE FITTING                   | 1    |
| 20   |           |                                |      |
| 21   | 7-900-20  | SEAL KIT / ITEMS MARKED (*)    | REF  |



| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-316-162 | TUBE WELDMENT                  | 1    |
| 2    | 7-316-163 | SHAFT                          | 1    |
| 3    | 7-316-94  | HEAD                           | 1    |
| 4    | 7-316-108 | PISTON                         | 1    |
| 5    | 7-316-53  | SEAL / PISTON (*)              | 1    |
| 6    | 7-316-64  | WEAR RING / PISTON (*)         | 2    |
| 7    | 7-316-74  | SELF LOCKING NUT               | 1    |
| 8    | 7-316-87  | O-RING / PISTON (*)            | 1    |
| 9    | 7-316-85  | O-RING / HEAD (*)              | 1    |
| 10   | 7-316-86  | BACK-UP RING / HEAD (*)        | 1    |
| 11   | 7-316-43  | WEAR RING / HEAD (*)           | 1    |
| 12   | 7-316-19  | SEAL / SHAFT (*)               | 1    |
| 13   | 7-316-33  | WIPER / SHAFT (*)              | 1    |
| 14   | 7-316-95  | CAPSCREW 7/16                  | 8    |
| 15   | 7-316-161 | BRONZE BUSHING / Ref 6-4512-24 | 1    |
| 16   | 7-316-161 | BRONZE BUSHING / Ref 6-4512-24 | 1    |
| 17   | 7-316-164 | SPACER                         | 1    |
| 18   | 7-316-150 | LUBE FITTING                   | 1    |
| 19   | 7-316-150 | LUBE FITTING                   | 1    |
| 20   |           |                                |      |
| 21   | 7-900-35  | SEAL KIT / ITEMS MARKED (*)    | REF  |

DRAWING  
NUMBER P4-1356

CYLINDER / STABILIZER / 7-316-12  
SS-836 / SS-1048 SQUARE SHOOTER

PAGE  
NUMBER 49

## REF:

## (G1) PUMP PRESSURE

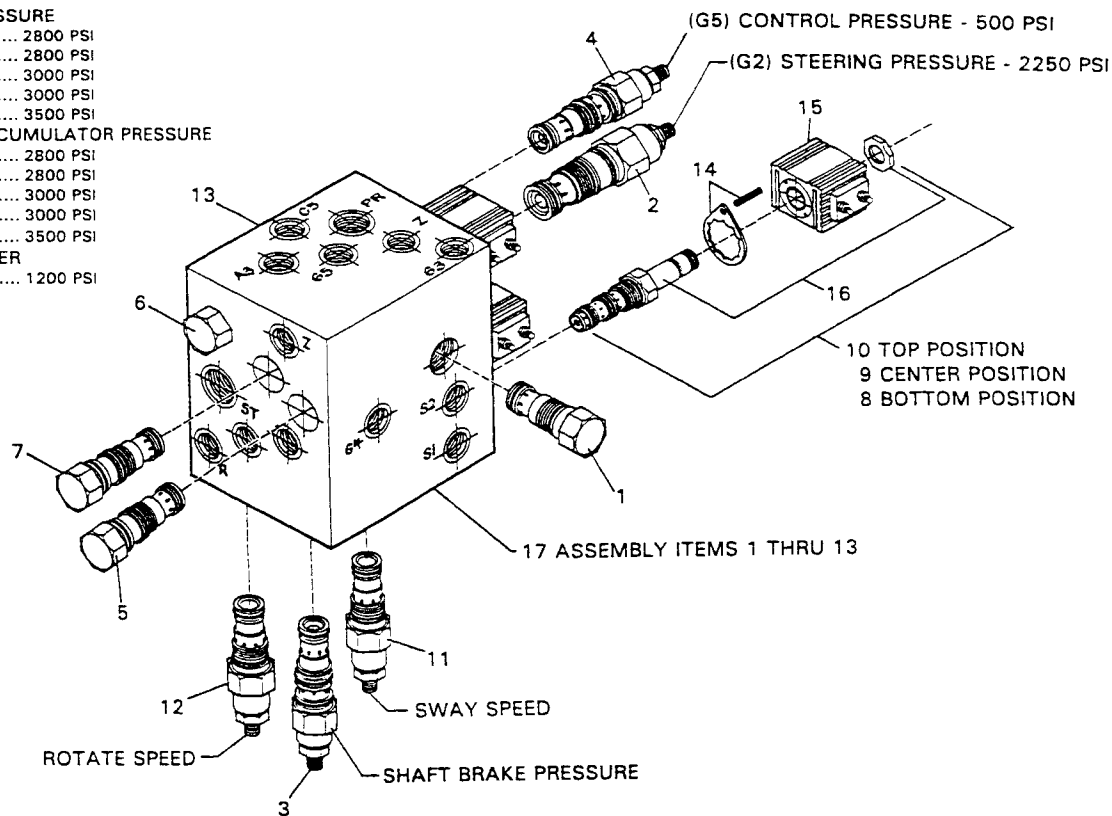
|         |          |
|---------|----------|
| SS-624  | 2800 PSI |
| SS-636  | 2800 PSI |
| SS-836  | 3000 PSI |
| SS-842  | 3000 PSI |
| SS-1048 | 3500 PSI |

## (G3) BRAKE ACCUMULATOR PRESSURE

|         |          |
|---------|----------|
| SS-624  | 2800 PSI |
| SS-636  | 2800 PSI |
| SS-836  | 3000 PSI |
| SS-842  | 3000 PSI |
| SS-1048 | 3500 PSI |

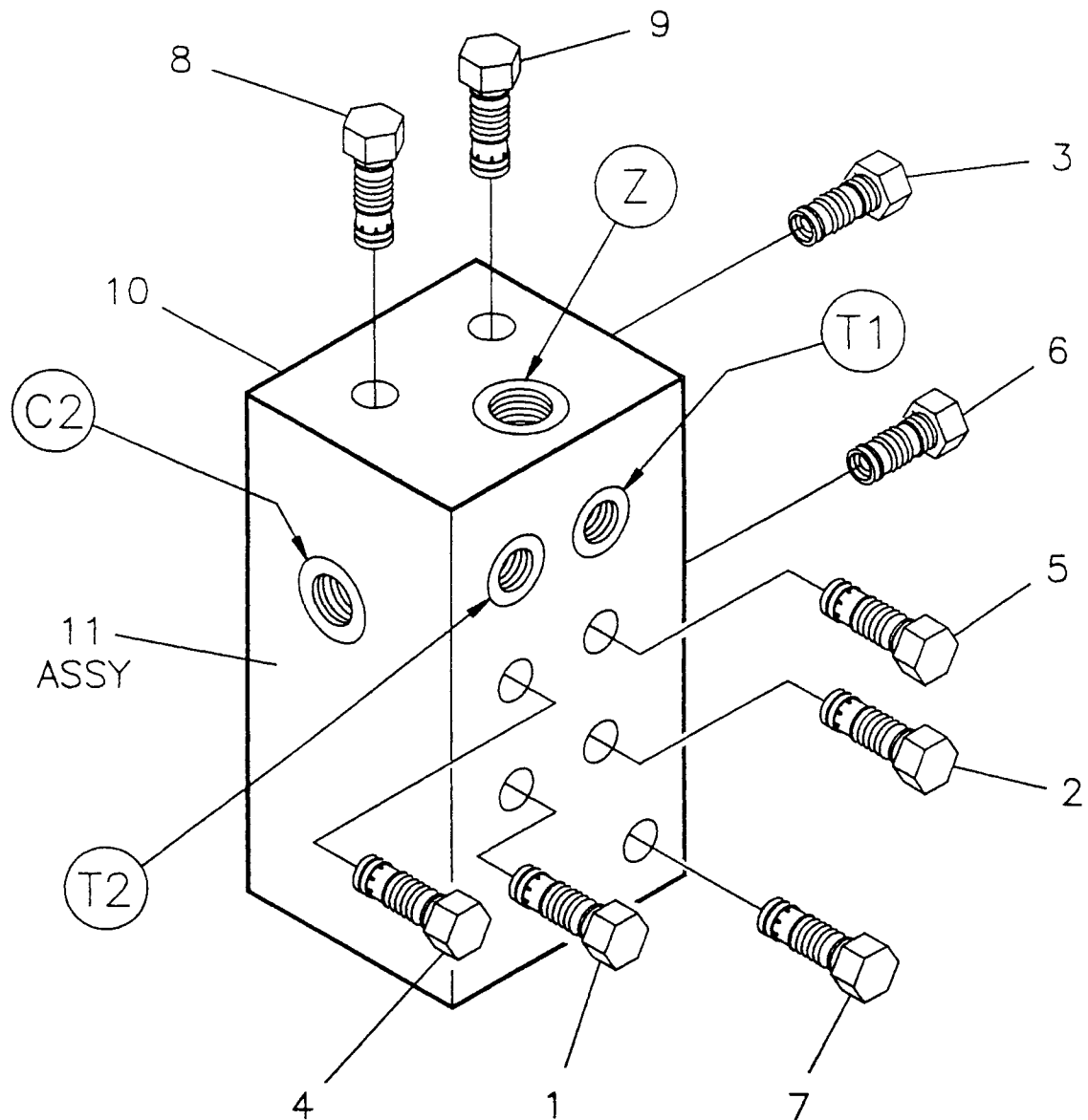
## (G6) TILT LIMITER

|     |          |
|-----|----------|
| ALL | 1200 PSI |
|-----|----------|



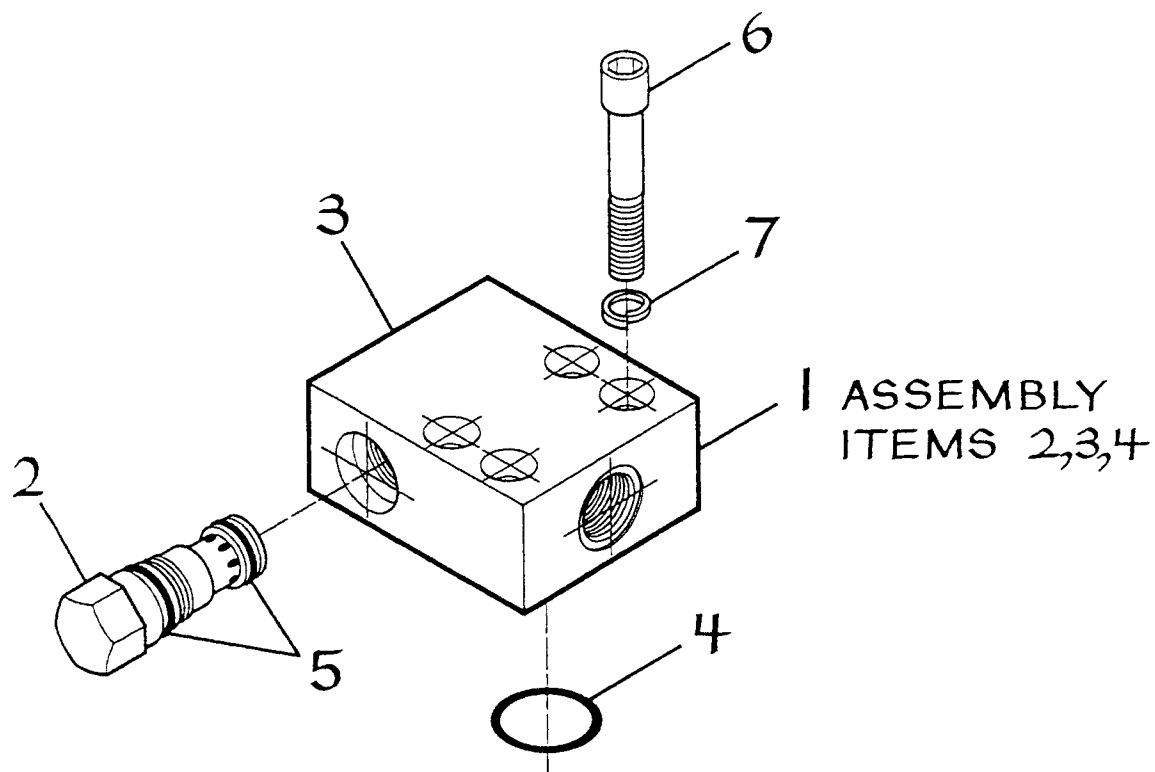
NUMBERS IN ( ) CORRESPOND TO  
ITEMS ON P4-1456 HYD. SCHEMATIC

| ITEM | NUMBER   | DESCRIPTION                       | REQD |
|------|----------|-----------------------------------|------|
| 1    | 7-234-16 | CARTRIDGE / CHECK (65)            | 1    |
| 2    | 7-234-15 | CARTRIDGE / REDUCING (66)         | 1    |
| 3    | 7-234-28 | CARTRIDGE / REDUC.-RELIEVING (67) | 1    |
| 4    | 7-234-13 | CARTRIDGE / REDUC.-RELIEVING (68) | 1    |
| 5    | 7-234-10 | CARTRIDGE / NORMALLY CLOSED (69)  | 1    |
| 6    | 7-234-10 | CARTRIDGE / NORMALLY CLOSED (70)  | 1    |
| 7    | 7-234-11 | CARTRIDGE / NORMALLY OPEN (71)    | 1    |
| 8    | 7-244-14 | SOLENOID CARTRIDGE ASSEMBLY (72)  | 1    |
| 9    | 7-244-14 | SOLENOID CARTRIDGE ASSEMBLY (44)  | 1    |
| 10   | 7-244-14 | SOLENOID CARTRIDGE ASSEMBLY (43)  | 1    |
| 11   | 7-234-17 | CARTRIDGE / NEEDLE (42)           | 1    |
| 12   | 7-234-37 | CARTRIDGE / NEEDLE (40)           | 1    |
| 13   | 7-234-27 | BODY                              | 1    |
| 14   | 7-234-34 | LOCK KIT                          | 3    |
| 15   | 7-244-12 | COIL / HEAVY DUTY                 | 3    |
| 16   | 7-244-03 | CARTRIDGE / ELECTRIC              | 3    |
| 17   | 7-234-75 | CONTROL BLOCK ASSEMBLY            | 1    |

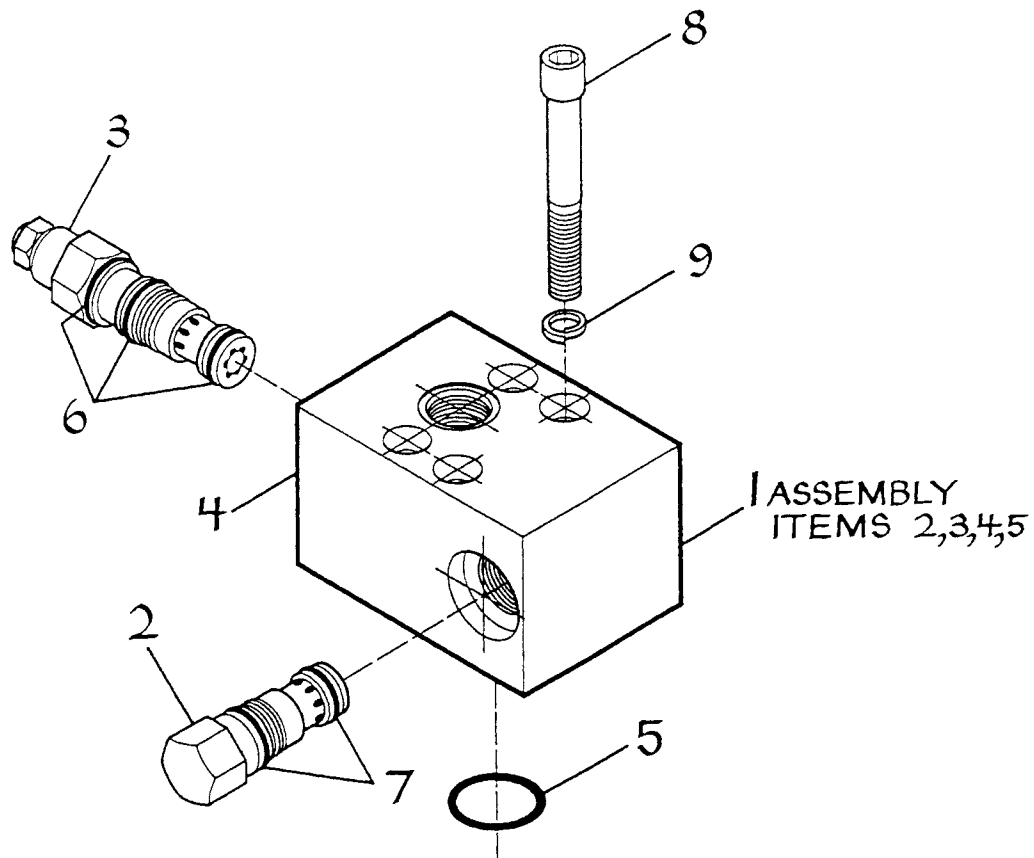


NUMBERS IN ( ) CORRESPOND TO  
ITEMS ON P4-1456 HYD. SCHEMATIC

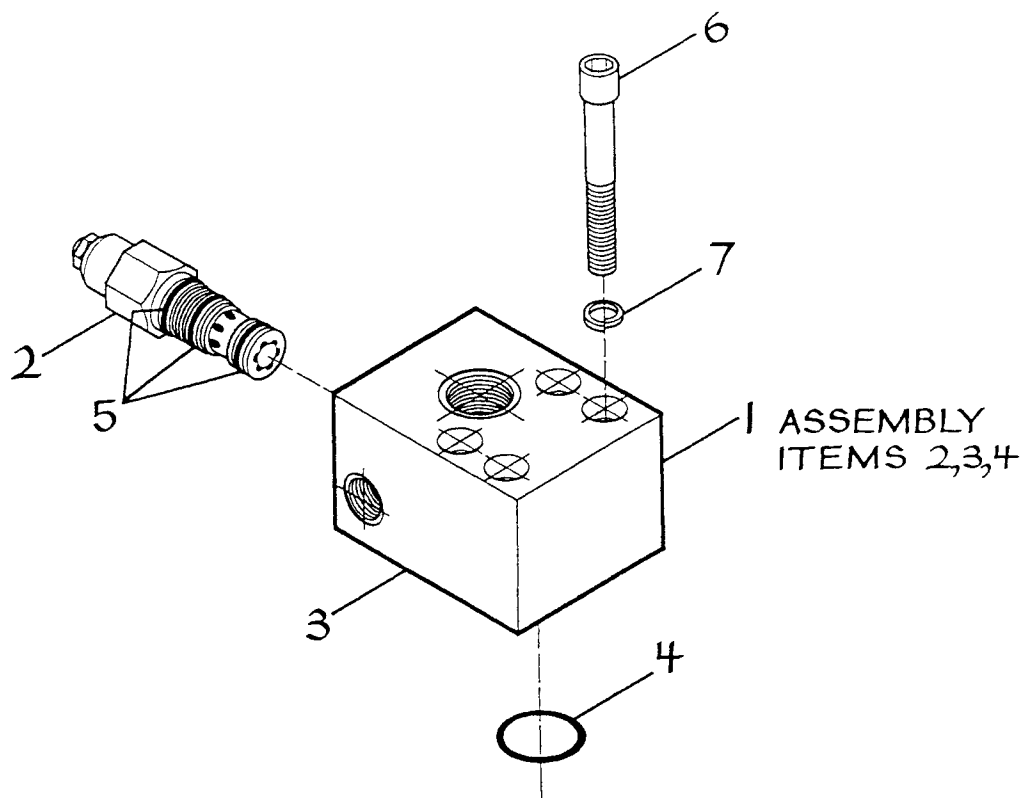
| ITEM | NUMBER   | DESCRIPTION                      | REQD |
|------|----------|----------------------------------|------|
| 1    | 7-234-10 | CARTRIDGE / NORMALLY CLOSED (56) | 1    |
| 2    | 7-234-10 | CARTRIDGE / NORMALLY CLOSED (57) | 1    |
| 3    | 7-234-10 | CARTRIDGE / NORMALLY CLOSED (58) | 1    |
| 4    | 7-234-11 | CARTRIDGE / NORMALLY OPEN (59)   | 1    |
| 5    | 7-234-11 | CARTRIDGE / NORMALLY OPEN (60)   | 1    |
| 6    | 7-234-11 | CARTRIDGE / NORMALLY OPEN (61)   | 1    |
| 7    | 7-234-12 | CARTRIDGE / SHUTTLE (62)         | 1    |
| 8    | 7-234-18 | CARTRIDGE / PILOT CHECK (63)     | 1    |
| 9    | 7-234-18 | CARTRIDGE / PILOT CHECK (64)     | 1    |
| 10   | 7-234-26 | BODY                             | 1    |
| 11   | 7-234-07 | LOGIC BLOCK ASSEMBLY             | 1    |



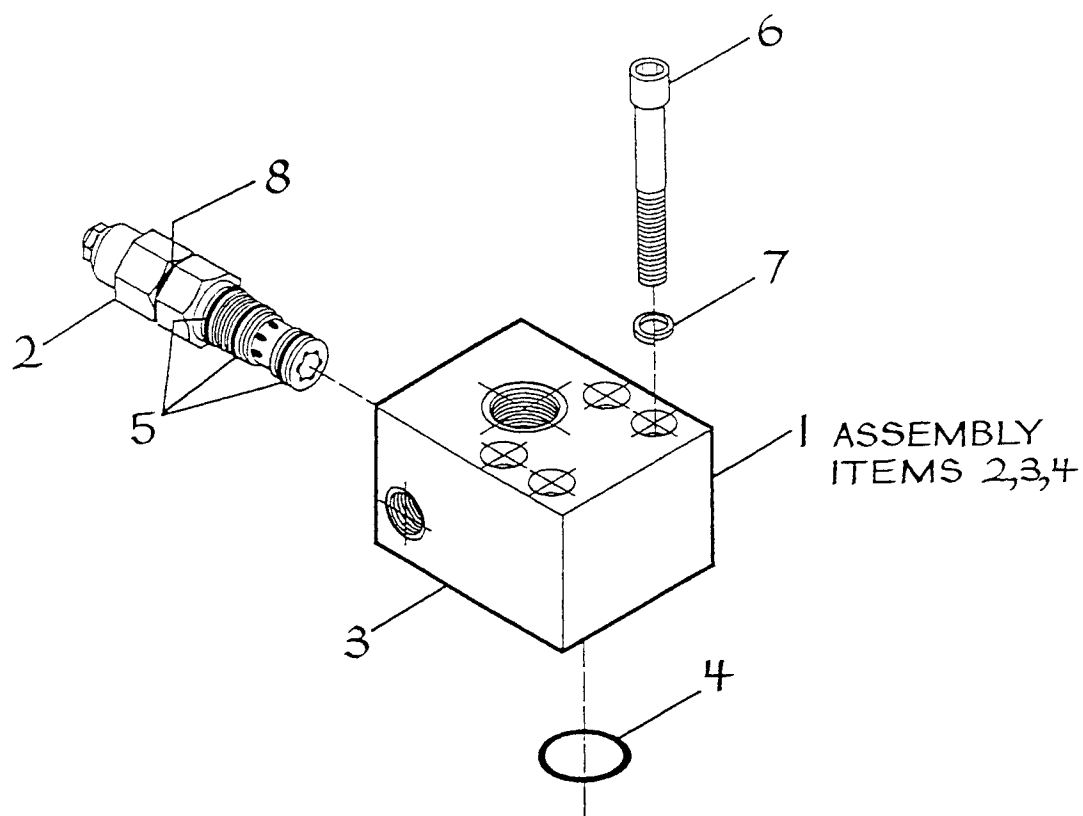
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-02  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-16  | CARTRIDGE / CHECK              | 1    |
| 3    | 7-234-24  | BODY                           | 1    |
| 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    |



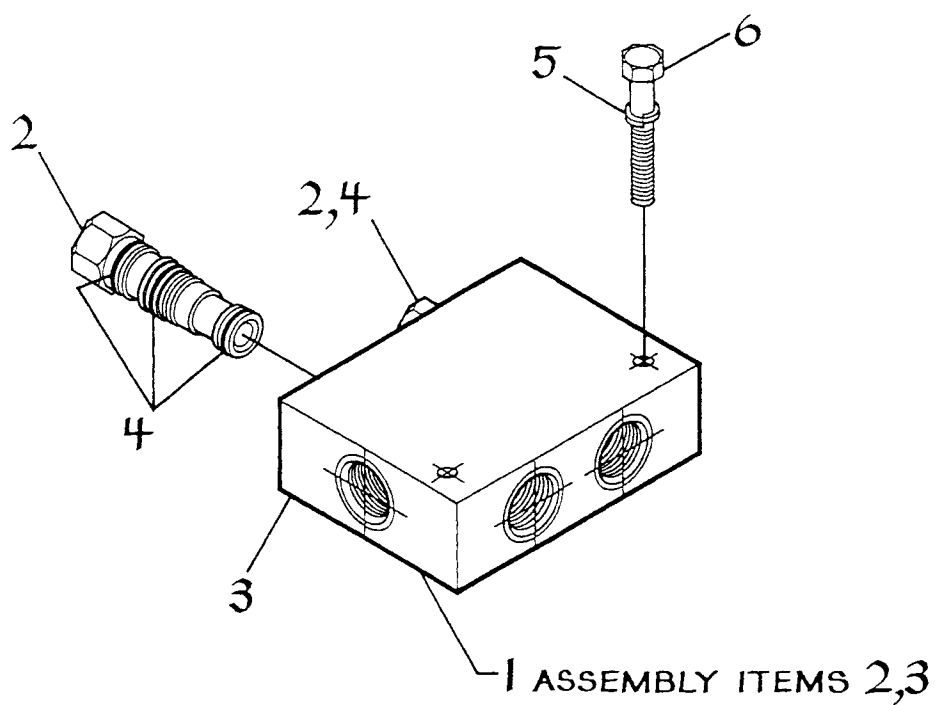
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-01  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-16  | CARTRIDGE / CHECK              | 1    |
| 3    | 7-234-19  | CARTRIDGE / COUNTERBALANCE     | 1    |
| 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    |



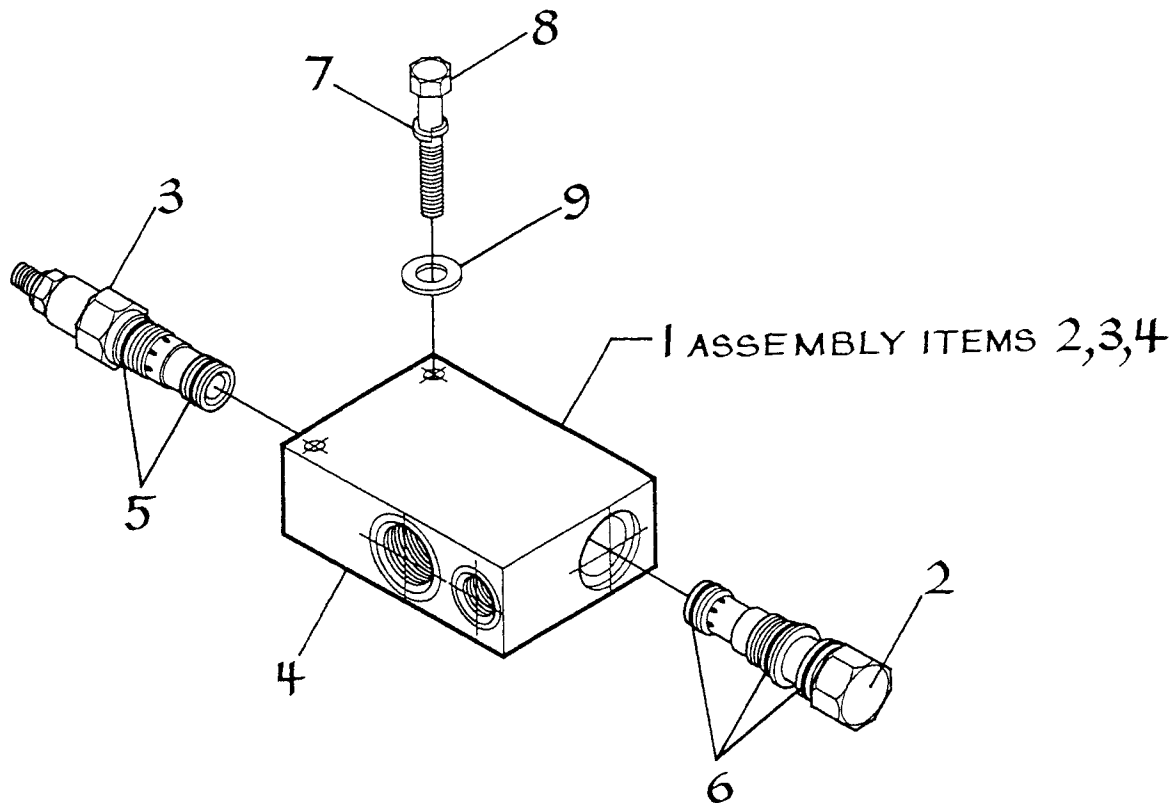
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-03  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-22  | CARTRIDGE / COUNTERBALANCE     | 1    |
| 3    | 7-234-23  | BODY                           | 1    |
| 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    |



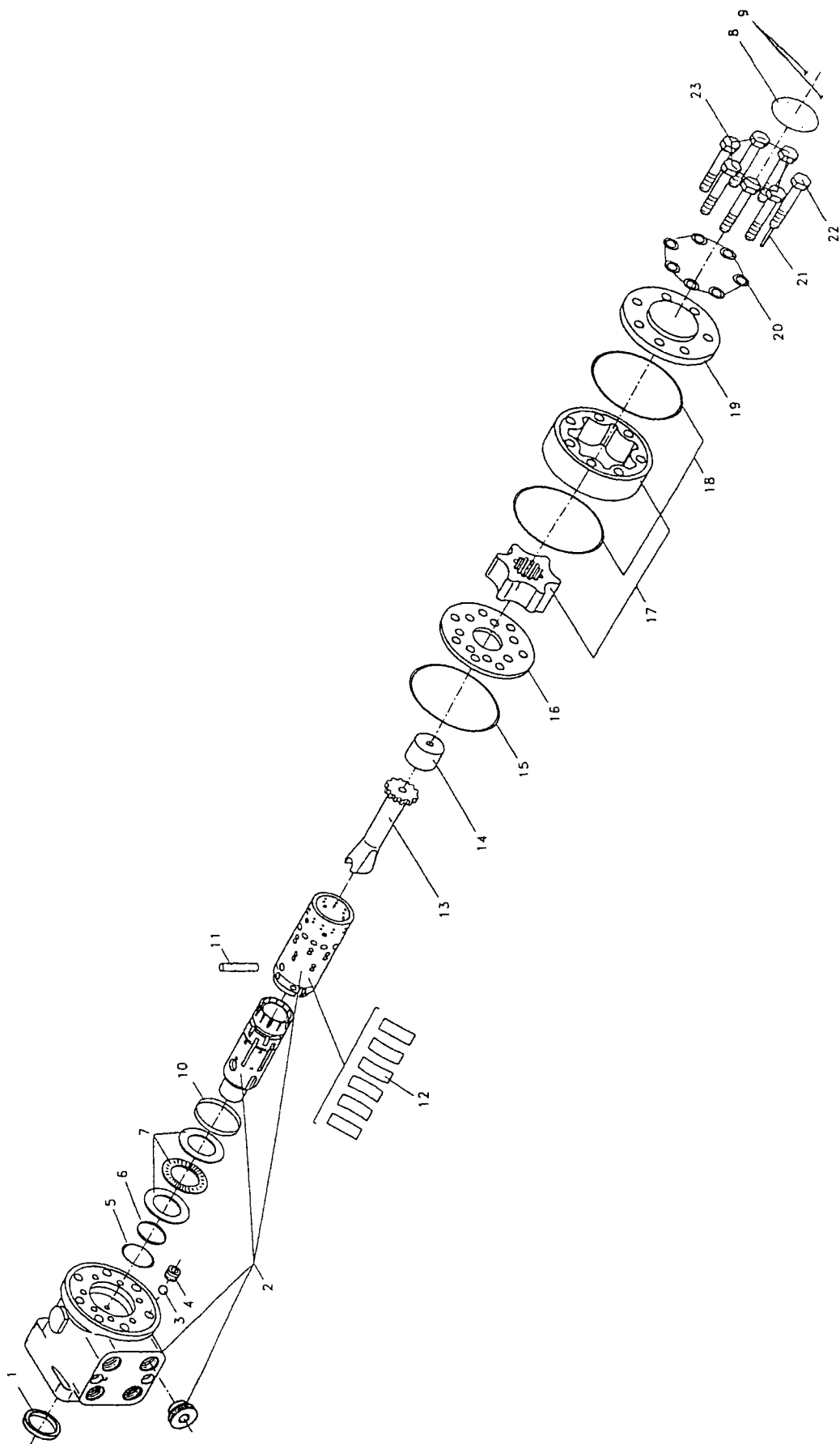
| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-234-54  | MOTION VALVE ASSEMBLY          | 1    |
| 2    | 7-234-53  | CARTRIDGE / COUNTERBALANCE     | 1    |
| 3    | 7-234-23  | BODY                           | 1    |
| 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    |



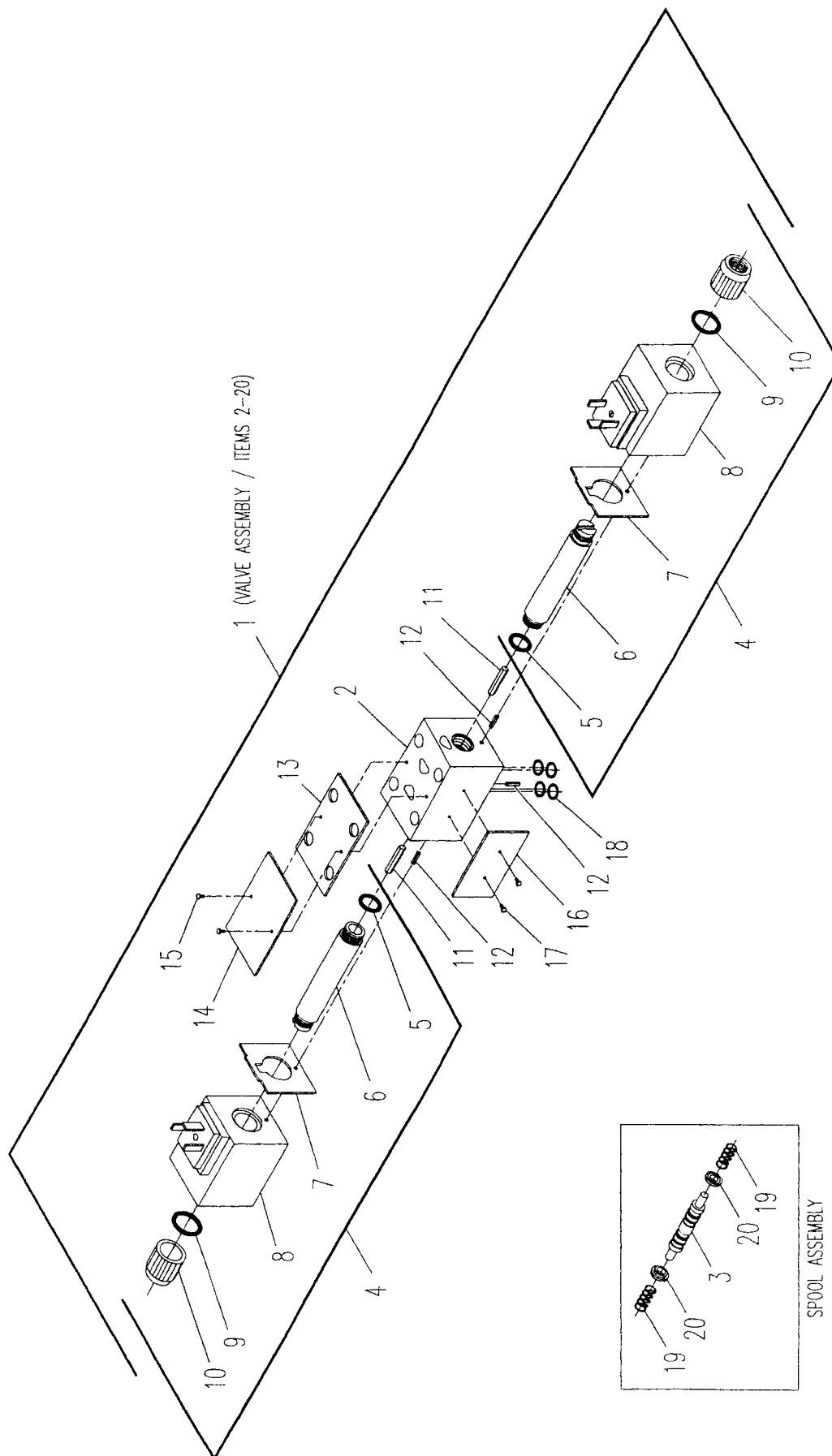
| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-234-04  | DUAL PILOT CHECK VALVE ASSY  | 1    |
| 2    | 7-234-18  | CARTRIDGE / PILOT CHECK      | 2    |
| 3    | 7-234-21  | BODY                         | 1    |
| 4    | 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    |



| ITEM | NUMBER    | DESCRIPTION                 | REQD |
|------|-----------|-----------------------------|------|
| 1    | 7-234-09  | BY-PASS VALVE ASSEMBLY      | 1    |
| 2    | 7-234-11  | CARTRIDGE / NORM. OPEN      | 1    |
| 3    | 7-234-17  | CARTRIDGE / NEEDLE          | 1    |
| 4    | 7-234-20  | BODY                        | 1    |
| 5    | 7-234-31  | SEAL KIT                    | 1    |
| 6    | 7-234-29  | SEAL KIT                    | 1    |
| 7    | 6-6211-04 | LOCKWASHER 1/4              | 2    |
| 8    | 6-5204-14 | CAPSCREW 1/4 NC x 1 3/4 LG. | 2    |
| 9    | 6-6212-04 | FLATWASHER 1/4              | 2    |

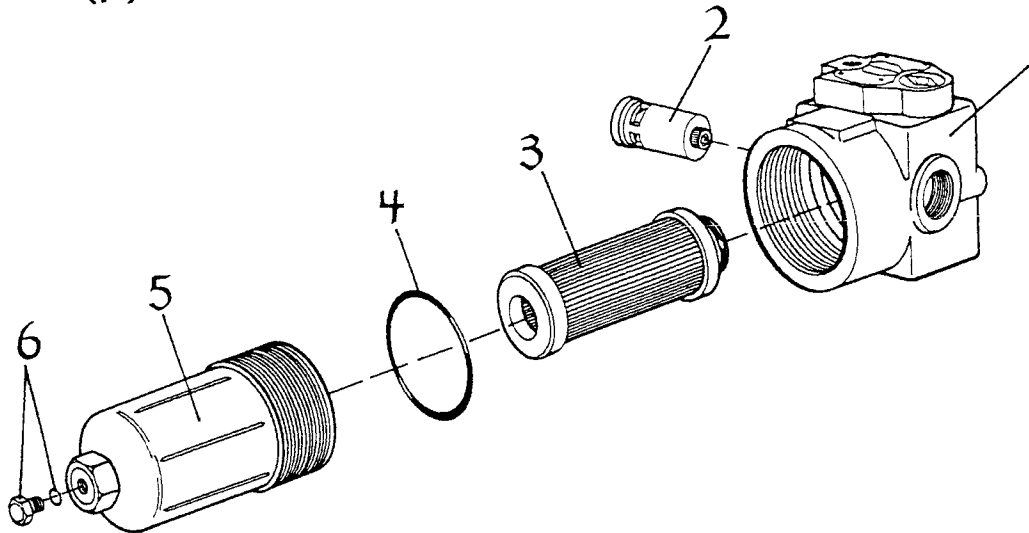


| ITEM | NUMBER   | DESCRIPTION                            | REQD |
|------|----------|----------------------------------------|------|
| 1    | 7-331-04 | DUST SEAL RING                         | 1    |
| 2    | -----    | HOUSING / SPOOL / SLEEVE               | 1    |
| 3    | 7-331-05 | BALL                                   | 1    |
| 4    | 7-331-06 | THREAD BUSHING                         | 1    |
| 5    | 7-331-07 | O-RING                                 | 1    |
| 6    | 7-331-08 | KIN-RING                               | 1    |
| 7    | 7-331-09 | BEARING                                | 1    |
| 8    | 7-331-19 | NAME PLATE                             | 1    |
| 9    | 7-331-20 | DRIVE SCREW                            | 2    |
| 10   | 7-331-10 | RING                                   | 1    |
| 11   | 7-331-11 | CROSS PIN                              | 1    |
| 12   | 7-331-12 | SPRING SET                             | 1    |
| 13   | 7-331-13 | CARDAN SHAFT                           | 1    |
| 14   | 7-331-23 | SPACER                                 | 1    |
| 15   | 7-331-14 | O-RING                                 | 1    |
| 16   | 7-331-15 | DISTRIBUTOR PLATE                      | 1    |
| 17   | 7-331-25 | GEARWHEEL SET                          | 1    |
| 18   | 7-331-16 | O-RING                                 | 2    |
| 19   | 7-331-17 | END COVER                              | 1    |
| 20   | 7-331-18 | WASHER                                 | 7    |
| 21   | 7-331-21 | SPECIAL CAPSCREW                       | 1    |
| 22   | 7-331-22 | CAPSCREW                               | 6    |
| 23   | 7-331-03 | SEAL KIT (ITEMS 1, 5, 6, 15, 18, & 20) | REF  |

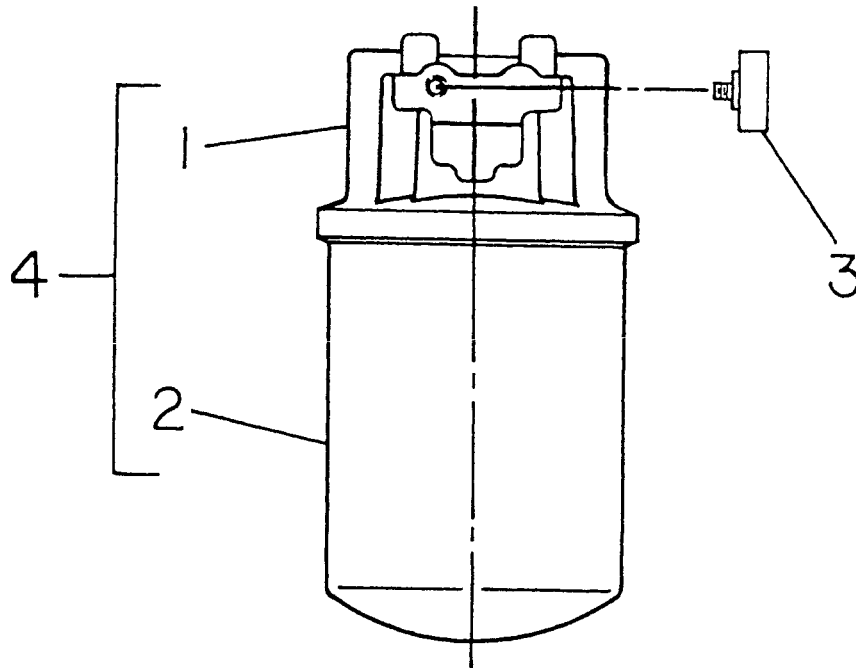


| ITEM | NUMBER              | DESCRIPTION                     | REQD         |
|------|---------------------|---------------------------------|--------------|
| 1    | 7-344-01            | STEERING VALVE ASSY / ELECTRIC  | REF          |
| 2    | 7-344-05            | VALVE BODY                      | 1            |
| 3    | 7-344-06            | (L) SPOOL SUB ASSEMBLY          | 1            |
| 4    | 7-344-08            | SOLENOID ASSEMBLY / 12V DC      | 2            |
| 5    | 7-344-07            | O-RING (VITON) (*)              | 2            |
| 6    | <del>7-344-23</del> | <del>DC CORE SUB ASSEMBLY</del> | <del>2</del> |
| 7    | 7-344-12            | GASKET (*)                      | 2            |
| 8    | 7-344-20            | COIL / 12V DC                   | 2            |
| 9    | 7-344-21            | O-RING (*)                      | 2            |
| 10   | 7-344-22            | RETAINER                        | 2            |
| 11   | 7-344-13            | DRIVE PIN (LISK)                | 2            |
| 12   | 7-344-10            | SPRING PIN 1/8 x 3/8            | 3            |
| 13   | 7-344-09            | GASKET (*)                      | 1            |
| 14   | 7-344-16            | ESCUTCHEON BLANK                | 1            |
| 15   | 7-344-17            | STICK SCREW                     | 2            |
| 16   | 7-344-18            | ESCUTCHEON BLANK                | 1            |
| 17   | 7-344-19            | SCREW                           | 2            |
| 18   | 7-344-11            | O-RING (VITON) (*)              | 4            |
| 19   | 7-344-14            | SPRING                          | 2            |
| 20   | 7-344-15            | SPRING RETAINER                 | 2            |
| 21   | 7-344-04            | SEAL KIT / ITEMS MARKED (*)     | REF          |

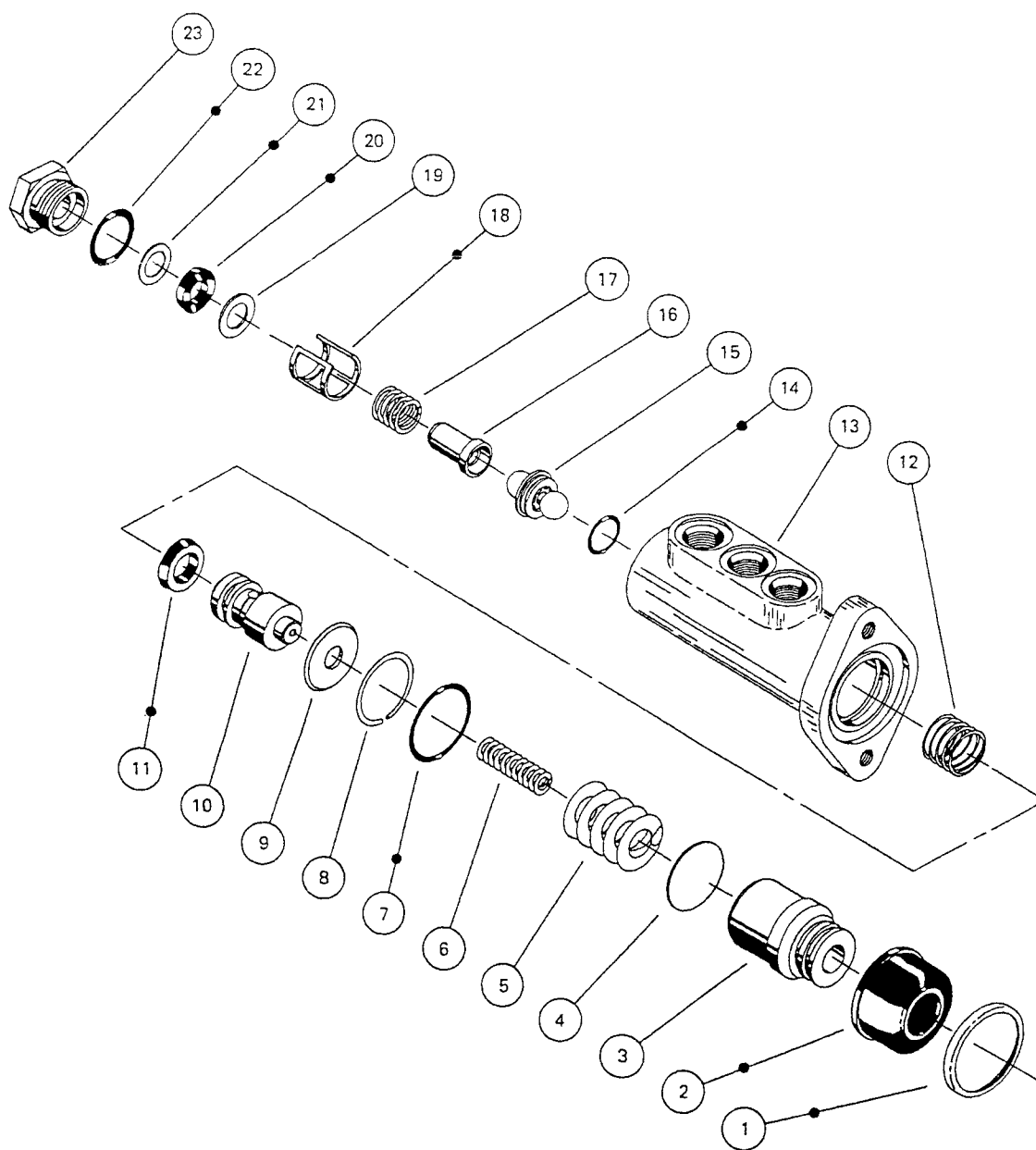
## (7) INDICATOR SEAL KIT



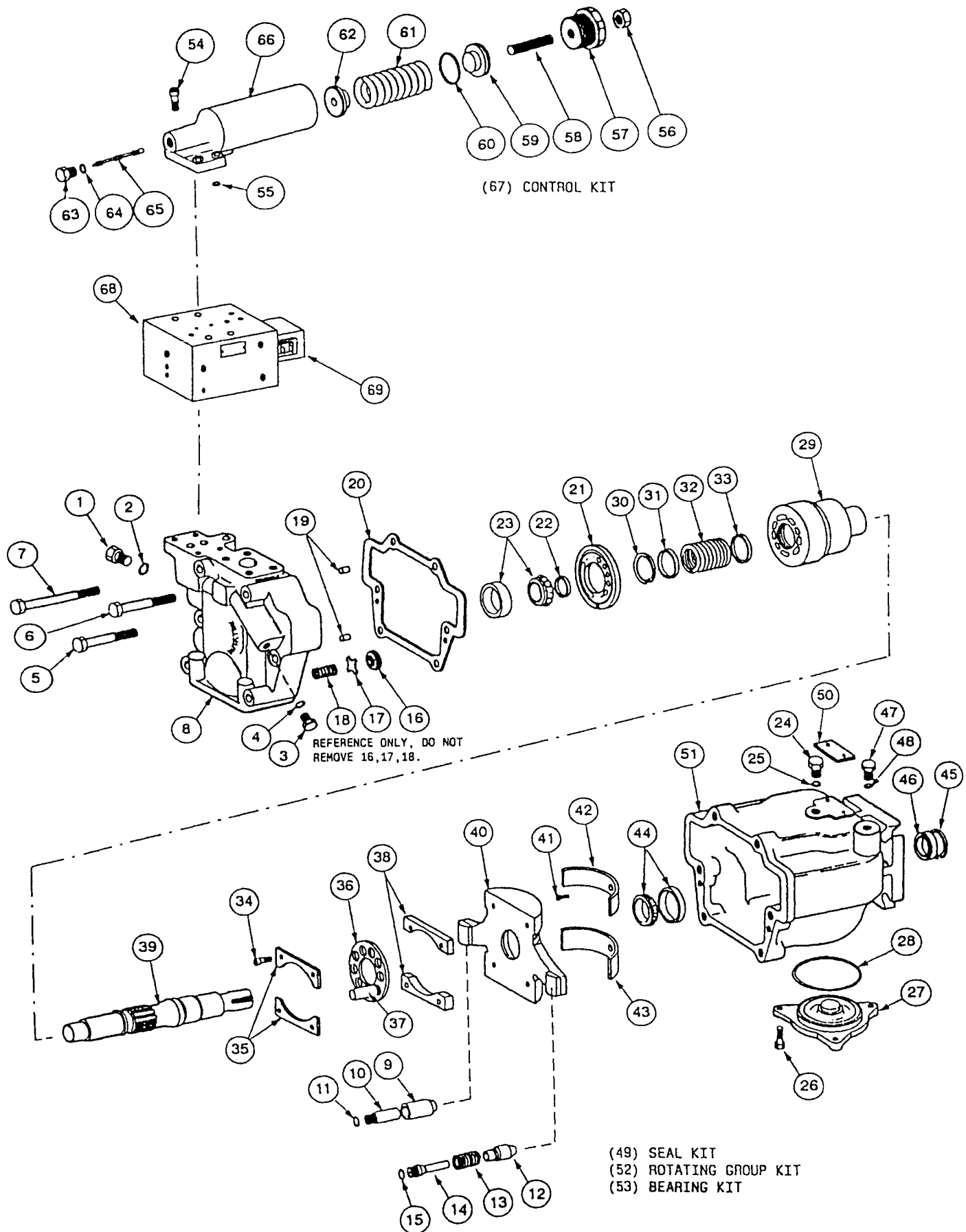
| ITEM | NUMBER   | DESCRIPTION          | REQD |
|------|----------|----------------------|------|
| 1    | 7-256-17 | HEAD ASSEMBLY        | 1    |
| 2    | 7-256-18 | BY-PASS VALVE        | 1    |
| 3    | 7-256-04 | ELEMENT & O-RING     | 1    |
| 4    | 7-256-19 | O-RING / BOWL        | 1    |
| 5    | 7-256-20 | BOWL                 | 1    |
| 6    | 7-256-21 | DRAIN PLUG & O-RING  | 1    |
| 7    | 7-256-22 | SEAL KIT / INDICATOR | REF  |



| ITEM | NUMBER   | DESCRIPTION      | REQD |
|------|----------|------------------|------|
| 1    | 7-256-24 | HEAD             | 1    |
| 2    | 7-256-05 | ELEMENT & O-RING | 1    |
| 3    | 7-256-03 | GAGE             | 1    |
| 4    | 7-256-23 | FILTER ASSEMBLY  | 1    |



| ITEM | NUMBER   | DESCRIPTION                                 | REQD |
|------|----------|---------------------------------------------|------|
| 1    | 7-198-09 | RING                                        | 1    |
| 2    | 7-198-20 | BOOT                                        | 1    |
| 3    | 7-198-04 | PISTON                                      | 1    |
| 4    |          | SHIM / ITEMS 25-28                          |      |
| 5    | 7-198-10 | SPRING                                      | 1    |
| 6    |          | SPRING / NOT USED THIS MODEL                |      |
| 7    | 7-198-21 | O-RING                                      | 1    |
| 8    | 7-198-11 | RETAINER RING                               | 1    |
| 9    | 7-198-22 | WASHER                                      | 1    |
| 10   | 7-198-12 | PISTON                                      | 1    |
| 11   | 7-198-13 | CUP                                         | 1    |
| 12   | 7-198-14 | SPRING                                      | 1    |
| 13   | 7-198-30 | HOUSING                                     | 1    |
| 14   | 7-198-15 | O-RING                                      | 1    |
| 15   | 7-198-35 | VALVE & BALL ASSEMBLY                       | 1    |
| 16   | 7-198-27 | GUIDE                                       | 1    |
| 17   | 7-198-17 | SPRING                                      | 1    |
| 18   | 7-198-16 | SPACER SHEEVE                               | 1    |
| 19   | 7-198-28 | WASHER                                      | 1    |
| 20   | 7-198-18 | CUP                                         | 1    |
| 21   | 7-198-29 | BACK-UP RING                                | 1    |
| 22   | 7-198-19 | O-RING                                      | 1    |
| 23   | 7-198-31 | PLUG                                        | 1    |
| 24   |          |                                             |      |
| 25   | 7-198-05 | SHIM / AS REQD                              |      |
| 26   | 7-198-06 | SHIM / AS REQD                              |      |
| 27   | 7-198-07 | SHIM / AS REQD                              |      |
| 28   | 7-198-08 | SHIM / AS REQD                              |      |
| 29   |          |                                             |      |
| 30   | 7-198-40 | KIT-ITEMS 1, 2, 7, 11, 14, 18, 20, 21, & 22 |      |

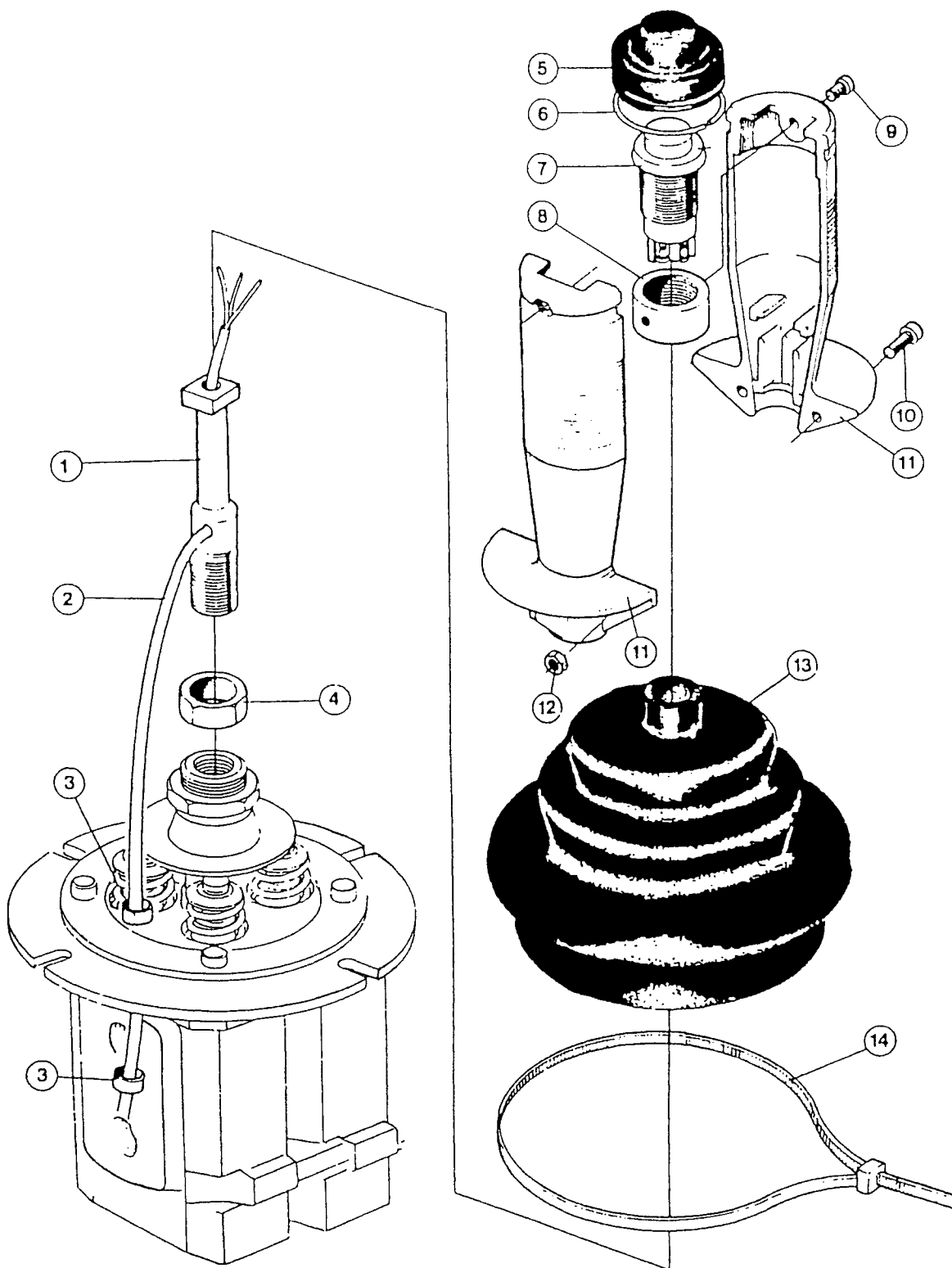


| ITEM              | NUMBER   | DESCRIPTION                                                 | REQD               |
|-------------------|----------|-------------------------------------------------------------|--------------------|
| 1                 | 7-321-04 | PLUG                                                        | 1                  |
| 2                 | 7-321-05 | O-RING *                                                    | 1                  |
| 3                 | 7-321-04 | PLUG                                                        | 1                  |
| 4                 | 7-321-05 | O-RING *                                                    | 1                  |
| 5                 | 7-321-06 | SCREW                                                       | 4                  |
| 6                 | 7-321-07 | SCREW                                                       | 1                  |
| 7                 | 7-321-08 | SCREW                                                       | 1                  |
| 8                 | 7-321-09 | VALVE BLOCK                                                 | 1                  |
| 9                 | 7-321-10 | CONTROL PISTON                                              | 1                  |
| 10                | 7-321-11 | CONTROL ROD                                                 | 1                  |
| 11                | 7-321-12 | O-RING *                                                    | 1                  |
| 12                | 7-321-13 | BIAS PISTON                                                 | 1                  |
| 13                | 7-321-14 | SPRING                                                      | 1                  |
| 14                | 7-321-15 | BIAS ROD                                                    | 1                  |
| 15                | 7-321-12 | O-RING *                                                    | 1                  |
| 16                | 7-321-16 | SEAT                                                        | 1                  |
| 17                | 7-321-17 | POPPET                                                      | 1                  |
| 18                | 7-321-18 | SPRING                                                      | 1                  |
| 19                | 7-321-19 | PIN                                                         | 2                  |
| 20                | 7-321-20 | GASKET *                                                    | 1                  |
| 21                | 7-321-21 | VALVE PLATE                                                 | 1                  |
| 22                | 7-321-22 | SHAFT SPACER KIT                                            | 1                  |
| 23                | 7-321-23 | BEARING                                                     | 1                  |
| 24                | 7-321-24 | PLUG                                                        | 1                  |
| 25                | 7-321-25 | O-RING *                                                    | 1                  |
| 26                | 7-321-26 | SCREW                                                       | 3                  |
| 27                | 7-321-27 | COVER                                                       | 1                  |
| 28                | 7-321-28 | O-RING *                                                    | 1                  |
| 29                | 7-321-29 | CYLINDER BLOCK                                              | 1                  |
| 30                | 7-321-30 | RETAINING RING                                              | 1                  |
| 31                | 7-321-31 | SPRING GUIDE                                                | 1                  |
| 32                | 7-321-32 | SPRING                                                      | 1                  |
| 33                | 7-321-33 | SPRING GUIDE                                                | 1                  |
| 34                | 7-321-34 | SCREW                                                       | 4                  |
| 35                | 7-321-35 | LIMITER                                                     | 2                  |
| 36                | 7-321-36 | SHOE CAGE                                                   | 1                  |
| 37                | 7-321-37 | PISTON KIT                                                  | 1                  |
| 38                | 7-321-38 | SPACER                                                      | 2                  |
| 39                | 7-321-71 | SHAFT                                                       | 1                  |
| 40                | 7-321-40 | YOKE                                                        | 1                  |
| 41                | 7-321-41 | SCREW                                                       | 2                  |
| 42                | 7-321-42 | SADDLE BEARING                                              | 1                  |
| 43                | 7-321-43 | SADDLE BEARING                                              | 1                  |
| 44                | 7-321-44 | BEARING                                                     | 1                  |
| 45                | 7-321-45 | RETAINING RING                                              | 2                  |
| 46                | 7-321-46 | SHAFT SEAL                                                  | 2                  |
| 47                | 7-321-47 | PLUG                                                        | 1                  |
| 48                | 7-321-48 | O-RING *                                                    | 1                  |
| 49                | 7-321-49 | SEAL KIT (INCLUDES PARTS MARKED: * )                        | REF                |
| 50                | 7-321-52 | S/N PLATE                                                   | 1                  |
| 51                | 7-321-53 | HOUSING                                                     | 1                  |
| 52                | 7-321-50 | ROTATING GROUP KIT (ITEMS 29-33, 35-37)                     | REF                |
| DRAWING<br>NUMBER | P4-1508  | HYRAULIC PUMP ASSEMBLY / 7-321-70<br>SS-1048 SQUARE SHOOTER | PAGE<br>NUMBER 63A |

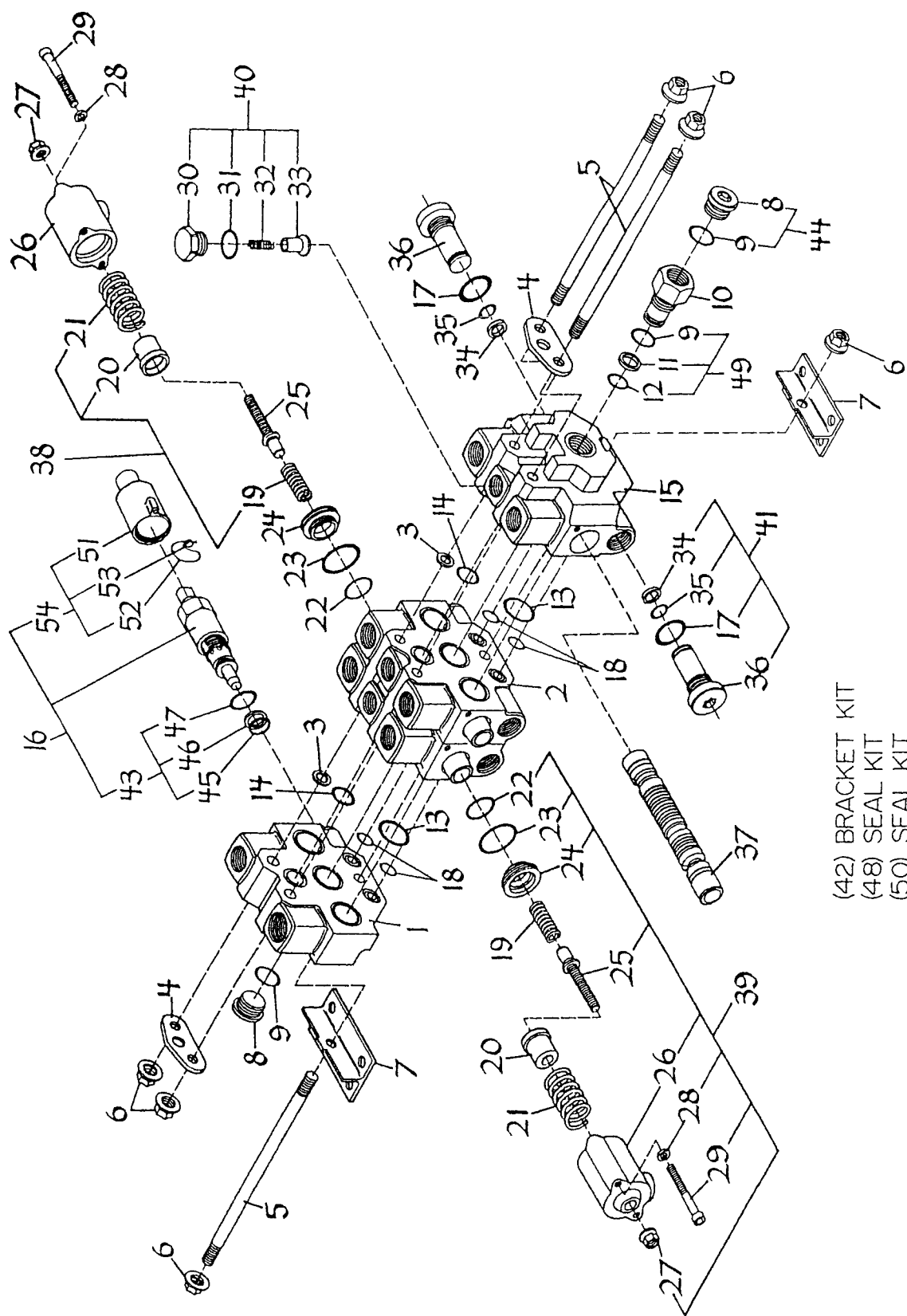
| ITEM | NUMBER   | DESCRIPTION                              | REQD |
|------|----------|------------------------------------------|------|
| 53   | 7-321-51 | BEARING KIT (ITEMS 23, 41, 42, 43, & 44) | REF  |
| 54   | 7-321-54 | SCREW                                    | 4    |
| 55   | 7-321-55 | O-RING *                                 | 3    |
| 56   | 7-321-56 | NUT                                      | 1    |
| 57   | 7-321-57 | PLUG                                     | 1    |
| 58   | 7-321-58 | ADJUSTING SCREW                          | 1    |
| 59   | 7-321-59 | SPRING SEAT                              | 1    |
| 60   | 7-321-60 | O-RING *                                 | 1    |
| 61   | 7-321-61 | SPRING                                   | 1    |
| 62   | 7-321-62 | SPRING GUIDE                             | 1    |
| 63   | 7-321-63 | PLUG                                     | 1    |
| 64   | 7-321-64 | O-RING *                                 | 1    |
| 65   | 7-321-65 | SPOOL / PRESSURE COMPENSATOR             | 1    |
| 66   | 7-321-66 | CONTROL BODY                             | 1    |
| 67   | 7-321-67 | CONTROL KIT (ITEMS 54 THRU 66)           | REF  |
| 68   | 7-321-68 | PUMP DESTROKE VALVE                      | 1    |
| 69   | 7-321-69 | COIL / PUMP DESTROKE                     | 1    |

|     |                |                                                             |                   |         |
|-----|----------------|-------------------------------------------------------------|-------------------|---------|
| 63B | PAGE<br>NUMBER | HYRAULIC PUMP ASSEMBLY / 7-321-70<br>SS-1048 SQUARE SHOOTER | DRAWING<br>NUMBER | P4-1508 |
|-----|----------------|-------------------------------------------------------------|-------------------|---------|

## 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    |          | LEVER                             | 1    |
| 2    | 7-200-17 | WIRE                              | 1    |
| 3    | 7-200-18 | WIRE CLAMP                        | 2    |
| 4    | 7-200-16 | NUT                               | 1    |
| 5    | 7-200-09 | SEALING CAP                       | 1    |
| 6    | 7-200-10 | LOCK RING                         | 1    |
| 7    | 7-200-07 | SWITCH                            | 1    |
| 8    | 7-200-72 | SWITCH MOUNTING RING              | 1    |
| 9    | 7-200-11 | SCREW                             | 2    |
| 10   | 7-200-12 | SCREW                             | 2    |
| 11   | 7-200-14 | HANDLE / 2 PARTS                  | 1    |
| 12   | 7-200-13 | NUT                               | 2    |
| 13   | 7-200-05 | BELLOWS                           | 1    |
| 14   | 7-200-19 | CLAMPING RING                     | 1    |
| 15   | 7-200-15 | HANDLE KIT (ITEM 1 and 5 THRU 14) | REF  |

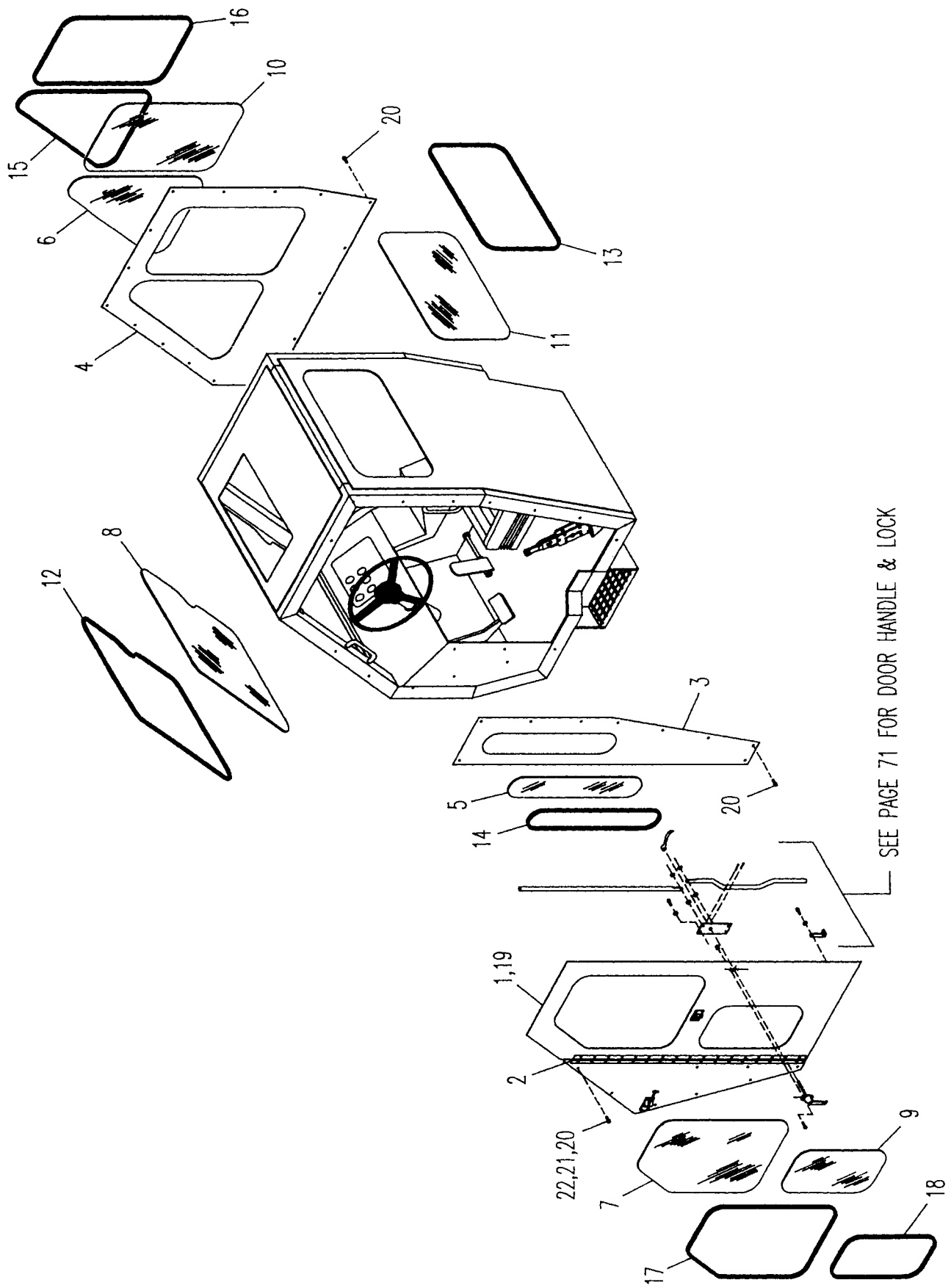


(42) BRACKET KIT  
 (48) SEAL KIT  
 (50) SEAL KIT

| ITEM              | NUMBER    | DESCRIPTION                                                                   | REQD               |
|-------------------|-----------|-------------------------------------------------------------------------------|--------------------|
| 1                 | 7-200-117 | INLET SECTION with SPOOL                                                      | 1                  |
| 2                 | 7-200-118 | CONTROL SECTION with SPOOLS                                                   | 1                  |
| 3                 | 7-200-50  | SPACER                                                                        | 6                  |
| 4                 | 7-200-91  | LIFTING LUG                                                                   | 2                  |
| 5                 | 7-200-44  | TIE ROD                                                                       | 3                  |
| 6                 | 7-200-45  | FLANGE NUT                                                                    | 6                  |
| 7                 | 7-200-46  | BRACKET                                                                       | 2                  |
| 8                 | 7-200-39  | PLUG                                                                          | 2                  |
| 9                 | 7-200-92  | O-RING                                                                        | 3                  |
| 10                | 7-200-38  | ADAPTER                                                                       | 1                  |
| 11                | 7-200-93  | BACK-UP RING                                                                  | 1                  |
| 12                | 7-200-94  | O-RING                                                                        | 1                  |
| 13                | 7-200-95  | O-RING                                                                        | 6                  |
| 14                | 7-200-96  | O-RING                                                                        | 2                  |
| 15                | 7-200-119 | OUTLET SECTION with SPOOL                                                     | 1                  |
| 16                | 7-200-120 | MAIN RELIEF ASSEMBLY                                                          | 1                  |
| 17                | 7-200-52  | O-RING                                                                        | 6                  |
| 18                | 7-200-97  | O-RING                                                                        | 4                  |
| 19                | 7-200-98  | SPRING                                                                        | 6                  |
| 20                | 7-200-99  | CASING / SPRING CENTERING                                                     | 6                  |
| 21                | 7-200-100 | SPRING / CENTERING                                                            | 6                  |
| 22                | 7-200-101 | O-RING                                                                        | 6                  |
| 23                | 7-200-102 | O-RING                                                                        | 6                  |
| 24                | 7-200-103 | SUPPORT RING                                                                  | 6                  |
| 25                | 7-200-104 | ADJUSTING SCREW                                                               | 6                  |
| 26                | 7-200-105 | CAP                                                                           | 6                  |
| 27                | 7-200-61  | FLANGE NUT                                                                    | 6                  |
| 28                | 7-200-62  | WASHER                                                                        | 12                 |
| 29                | 7-200-63  | SCREW                                                                         | 12                 |
| 30                | 7-200-64  | PLUG                                                                          | 3                  |
| 31                | 7-200-106 | O-RING                                                                        | 3                  |
| 32                | 7-200-66  | SPRING                                                                        | 3                  |
| 33                | 7-200-107 | POPPET                                                                        | 3                  |
| 34                | 7-200-68  | BACK-UP RING                                                                  | 6                  |
| 35                | 7-200-69  | O-RING                                                                        | 6                  |
| 36                | 7-200-70  | Y-PLUG                                                                        | 6                  |
| 37                |           | SPOOL (with items 2 and 15)                                                   | 3                  |
| 38                | 7-200-108 | SPRING KIT (ITEMS 19, 20, & 21)                                               | REF                |
| 39                | 7-200-109 | CAP ASSY (ITEMS 22 THRU 29)                                                   | REF                |
| 40                | 7-200-76  | CHECK VALVE ASSY (ITEMS 30 THRU 33)                                           | REF                |
| 41                | 7-200-77  | Y-PLUG ASSY (ITEMS 17, 34, 35, & 36)                                          | REF                |
| 42                | 7-200-110 | BRACKET KIT (ITEMS 4, 6, & 7)                                                 | REF                |
| 43                | 7-200-111 | SEAL KIT (ITEMS 45, 46, & 47)                                                 | REF                |
| 44                | 7-200-78  | PLUG KIT (ITEMS 8 & 9)                                                        | REF                |
| 45                | 7-200-112 | O-RING                                                                        | 1                  |
| 46                | 7-200-113 | BACK-UP RING                                                                  | 1                  |
| 47                | 7-200-52  | O-RING                                                                        | 1                  |
| 48                | 7-200-114 | SEAL KIT (ITEMS 22, 23, & 27)                                                 | REF                |
| 49                | 7-200-115 | SEAL KIT (ITEMS 9, 11, & 12)                                                  | REF                |
| 50                | 7-200-116 | SEAL KIT (ITEMS 3, 13, 14, & 18)                                              | REF                |
| 51                | 7-200-121 | SEALING CAP                                                                   | 1                  |
| 52                | 7-200-122 | SEALING WIRE                                                                  | 1                  |
| 53                | 7-200-123 | SEALING LEAD                                                                  | 1                  |
| 54                | 7-200-124 | SEALING CAP KIT (ITEMS 51, 52, & 53)                                          | REF                |
| DRAWING<br>NUMBER | P4-1425   | MAIN VALVE ASSEMBLY / 7-200-80<br>SS-624 / SS-636 / SS-836 / SS-842 / SS-1048 | PAGE<br>NUMBER 65A |

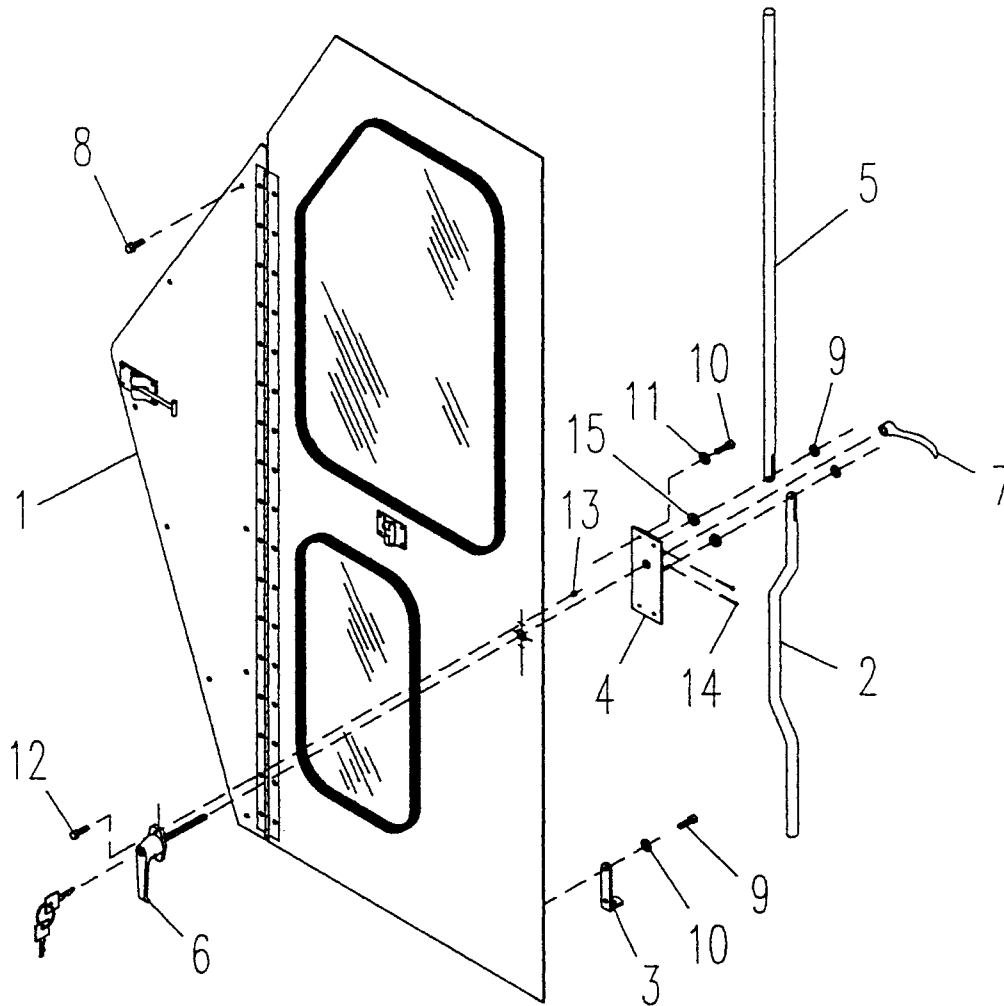


## OPTIONAL EQUIPMENT SECTION



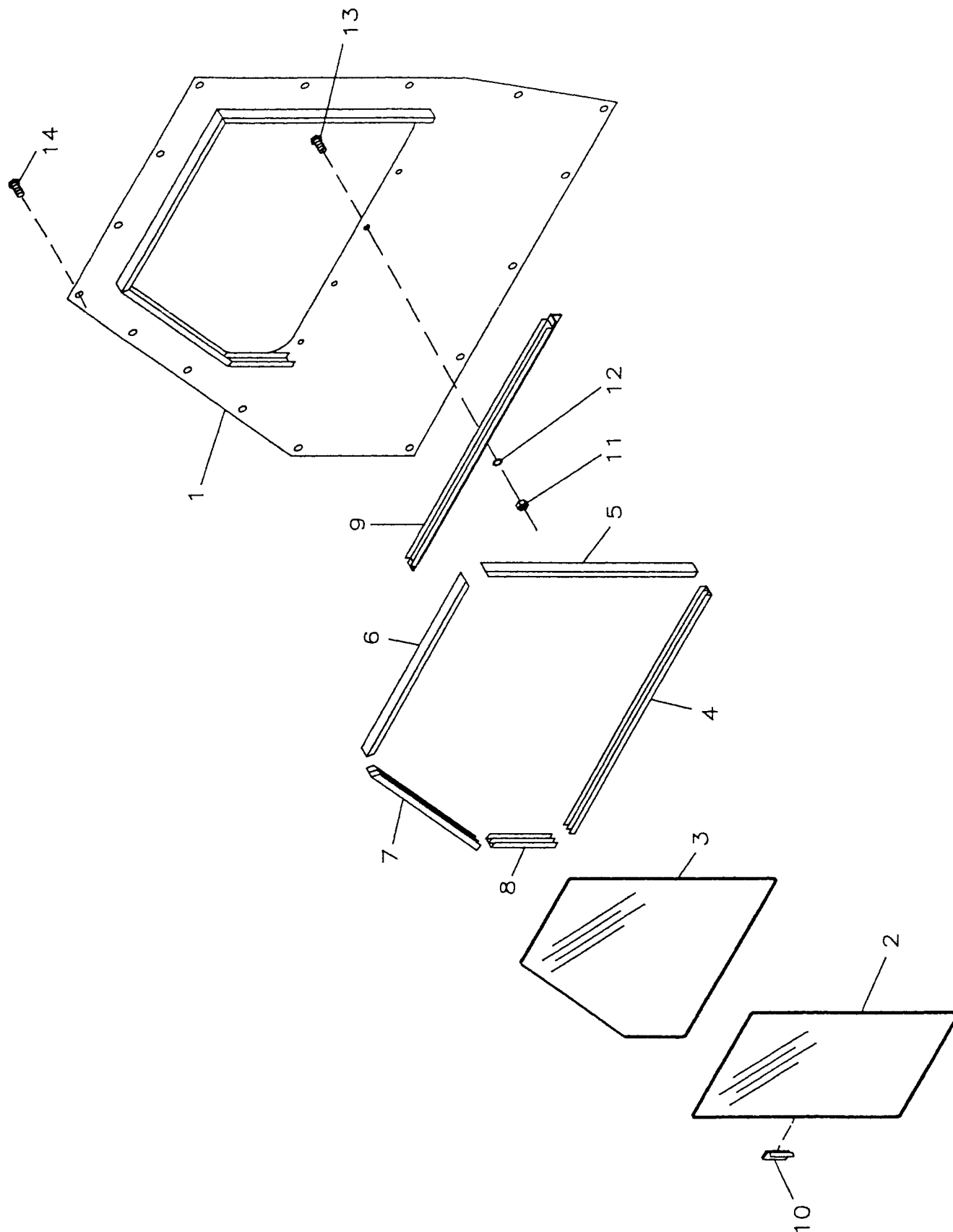
|    |                |                                                                                            |
|----|----------------|--------------------------------------------------------------------------------------------|
| 70 | PAGE<br>NUMBER | CAB ASSEMBLY / FIXED WINDOW<br>ALL MACHINES w/ NEW CANOPY<br><br>DRAWING<br>NUMBER P4-1539 |
|----|----------------|--------------------------------------------------------------------------------------------|

| ITEM | NUMBER     | DESCRIPTION                       | REQD |
|------|------------|-----------------------------------|------|
| 1    | 4-1561     | DOOR WELDMENT                     | 1    |
| 2    | 2-1124-2   | HINGE / REF. ONLY                 | REF  |
| 3    | 4-1568     | REAR PANEL / DOOR SIDE            | 1    |
| 4    | 4-1569     | RIGHT HAND PANEL / FIXED WINDOWS  | 1    |
| 5    | 6-3910-01  | GLASS / REAR PANEL-DOOR SIDE      | 1    |
| 6    | 6-3910-02  | GLASS / RIGHT HAND PANEL (FRONT)  | 1    |
| 7    | 6-3910-03  | GLASS / DOOR (UPPER)              | 1    |
| 8    | 6-3910-04  | GLASS / WINDSHIELD                | REF  |
| 9    | 6-4110-01  | GLASS / DOOR (LOWER)              | 1    |
| 10   | 6-4110-02  | GLASS / RIGHT HAND PANEL (REAR)   | 1    |
| 11   | 6-4110-04  | GLASS / REAR PANEL                | REF  |
| 12   | 6-9608-991 | RUBBER / WINDSHIELD               | REF  |
| 13   | 6-9608-668 | RUBBER / REAR WINDOW              | REF  |
| 14   | 6-9608-520 | RUBBER / REAR PANEL-DOOR SIDE     | 1    |
| 15   | 6-9608-673 | RUBBER / RIGHT HAND PANEL (FRONT) | 1    |
| 16   | 6-9608-696 | RUBBER / RIGHT HAND PANEL (REAR)  | 1    |
| 17   | 6-9608-700 | RUBBER / DOOR (UPPER)             | 1    |
| 18   | 6-9608-448 | RUBBER / DOOR (LOWER)             | 1    |
| 19   | 7-194-49   | WEATHERSTRIP 5/32 x 3/8 x 10 FT.  | 1    |
| 20   | 7-194-47   | SELF-TAPPING SCREW 5/16 NC x 3/4  | 33   |
| 21   | 6-6201-05  | HEX NUT 5/16 NC                   | 4    |
| 22   | 6-6212-05  | FLATWASHER 5/16                   | 4    |

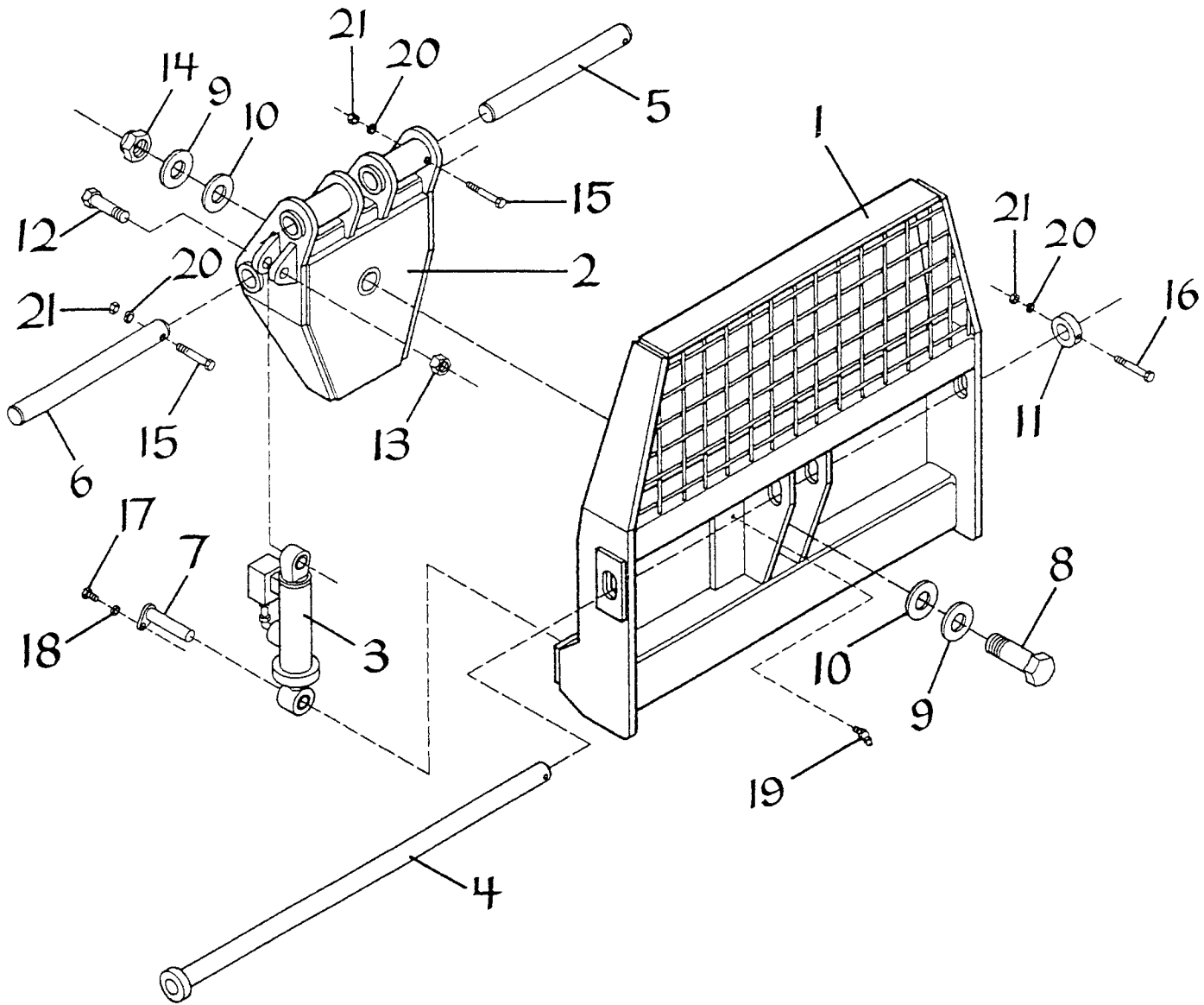


|                      |                                                 |                           |
|----------------------|-------------------------------------------------|---------------------------|
| 71<br>PAGE<br>NUMBER | CAB DOOR ASSEMBLY<br>ALL MACHINES w/ NEW CANOPY | DRAWING<br>NUMBER P4-1580 |
|----------------------|-------------------------------------------------|---------------------------|

| ITEM | NUMBER    | DESCRIPTION                       | REQD   |
|------|-----------|-----------------------------------|--------|
| 1    | 4-1561    | DOOR WELDMENT                     | REF    |
| 2    | 2-1069    | LOWER CATCH ROD (MODIFIED)        | 1      |
| 3    | 1-1077    | ROD GUIDE (MODIFIED)              | 1      |
| 4    | 7-294-01  | LOCK ASSEMBLY (ITEMS 4, 14, & 15) | 1      |
| 5    | 1-1099    | UPPER CATCH ROD (MODIFIED)        | 1      |
| 6    | 1-1078    | 4 IN. LOCKING HANDLE (MODIFIED)   | 1      |
| 7    | 7-294-03  | INSIDE HANDLE                     | 1      |
| 8    | 7-194-47  | SELF-TAPPING SCREW 5/16 NC x 3/4  | REF    |
| 9    | 6-6286-12 | FLATWASHER #10                    | 2      |
| 10   | 6-5204-05 | CAPSCREW 1/4 NC x 5/8 LG.         | 6      |
| 11   | 6-6211-04 | LOCKWASHER 1/4                    | 6      |
| 12   | 6-6284-10 | MACHINE SCREW #10-24 x 5/8 LG. SS | 2      |
| 13   | 6-6286-04 | HEX NUT #10-24 SS                 | 2      |
| 14   | -----     | COTTER PIN (With Item 4)          | (2)REF |
| 15   | -----     | RUBBER WASHER (With Item 4)       | (2)REF |



| ITEM | NUMBER     | DESCRIPTION                      | REQD |
|------|------------|----------------------------------|------|
| 1    | 4-1562     | PANEL / SLIDING WINDOW           | 1    |
| 2    | 6-4010-01  | GLASS / RH REAR / SLIDING        | 1    |
| 3    | 6-3910-05  | GLASS / RH FRONT / SLIDING       | 1    |
| 4    | 6-9614-240 | RUBBER CHANNEL                   | 1    |
| 5    | 6-9614-181 | RUBBER CHANNEL                   | 1    |
| 6    | 6-9614-177 | RUBBER CHANNEL                   | 1    |
| 7    | 6-9614-147 | RUBBER CHANNEL                   | 1    |
| 8    | 6-9614-54  | RUBBER CHANNEL                   | 1    |
| 9    | 4-1562-1   | CHANNEL WELDMENT / REMOVABLE     | REF  |
| 10   | 7-226-03   | HANDLE / SLIDING WINDOW          | 1    |
| 11   | 6-6201-04  | HEX NUT 1/4 NC                   | 5    |
| 12   | 6-6211-04  | LOCKWASHER 1/4                   | 5    |
| 13   | 6-5204-06  | CAPSCREW 1/4 NC x 3/4 LG.        | 5    |
| 14   | 7-194-47   | SELF-TAPPING SCREW 5/16 NC x 3/4 | 16   |

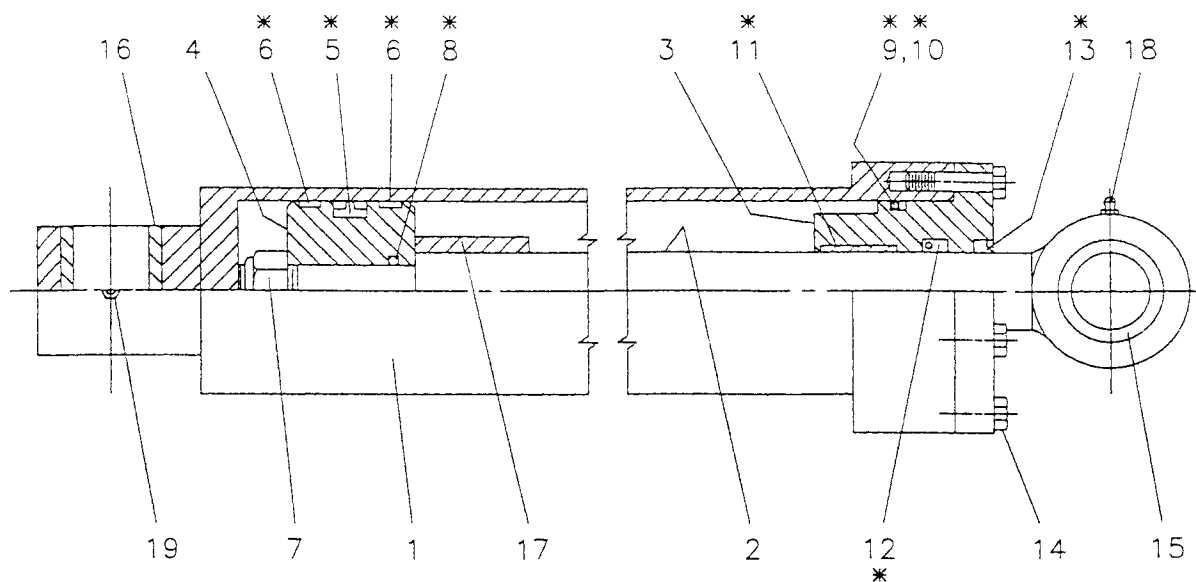


| ITEM | NUMBER     | DESCRIPTION                     | REQD |
|------|------------|---------------------------------|------|
| 1    | SEE TABLE  | ROTATING FORK FRAME             | REF  |
| 2    | 4-1498     | PIVOT FRAME / SS-1048           | 1    |
| 3    | 7-316-05   | CYLINDER / ROTATE               | 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   | 1-1113     | 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                     | 1    |

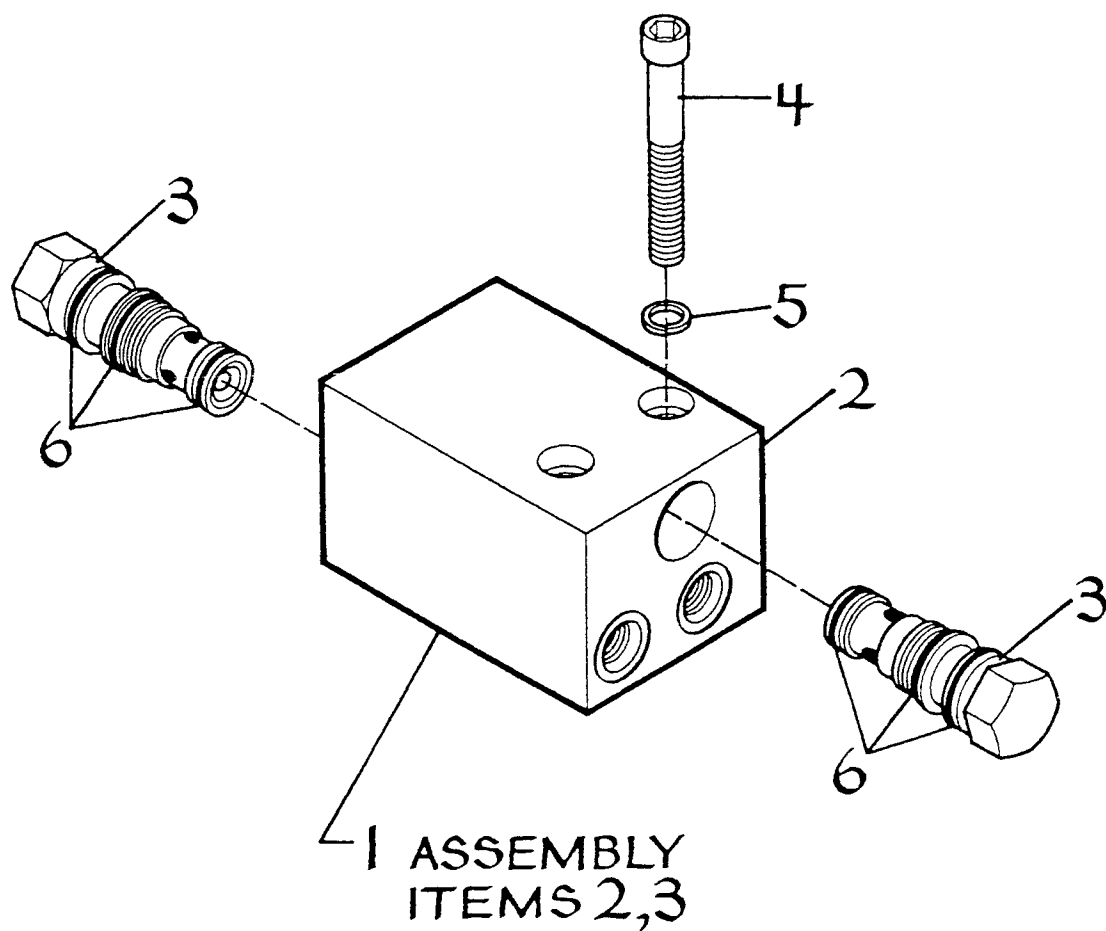
TABLE

| FORK<br>FRAME<br>WIDTH | ROTATING<br>FORK FRAME<br>PART NUMBER | FORK<br>TINE PIN<br>PART NUMBER |
|------------------------|---------------------------------------|---------------------------------|
| 48" WIDE               | 4-1500                                | 2-1125-10                       |
| 60" WIDE               | 4-1501                                | 2-1125-11                       |
| 72" WIDE               | 4-1502                                | 2-1125-12                       |

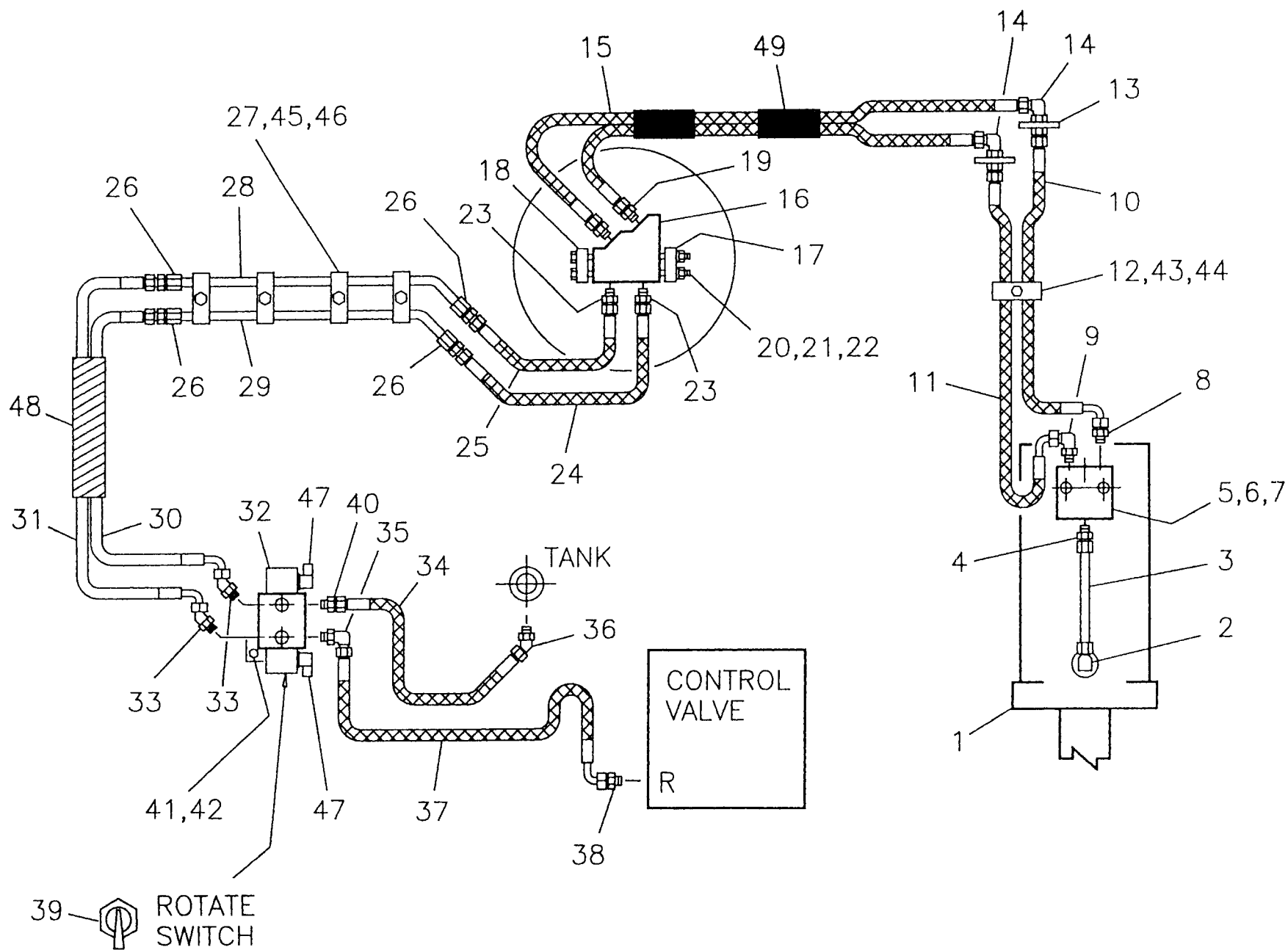
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|-------------------|---------|--------------------------------------------------------|----------------|-----|
| DRAWING<br>NUMBER | P4-1492 | FORK FRAME / ROTATE ASSEMBLY<br>SS-1048 SQUARE SHOOTER | PAGE<br>NUMBER | 73A |
|-------------------|---------|--------------------------------------------------------|----------------|-----|



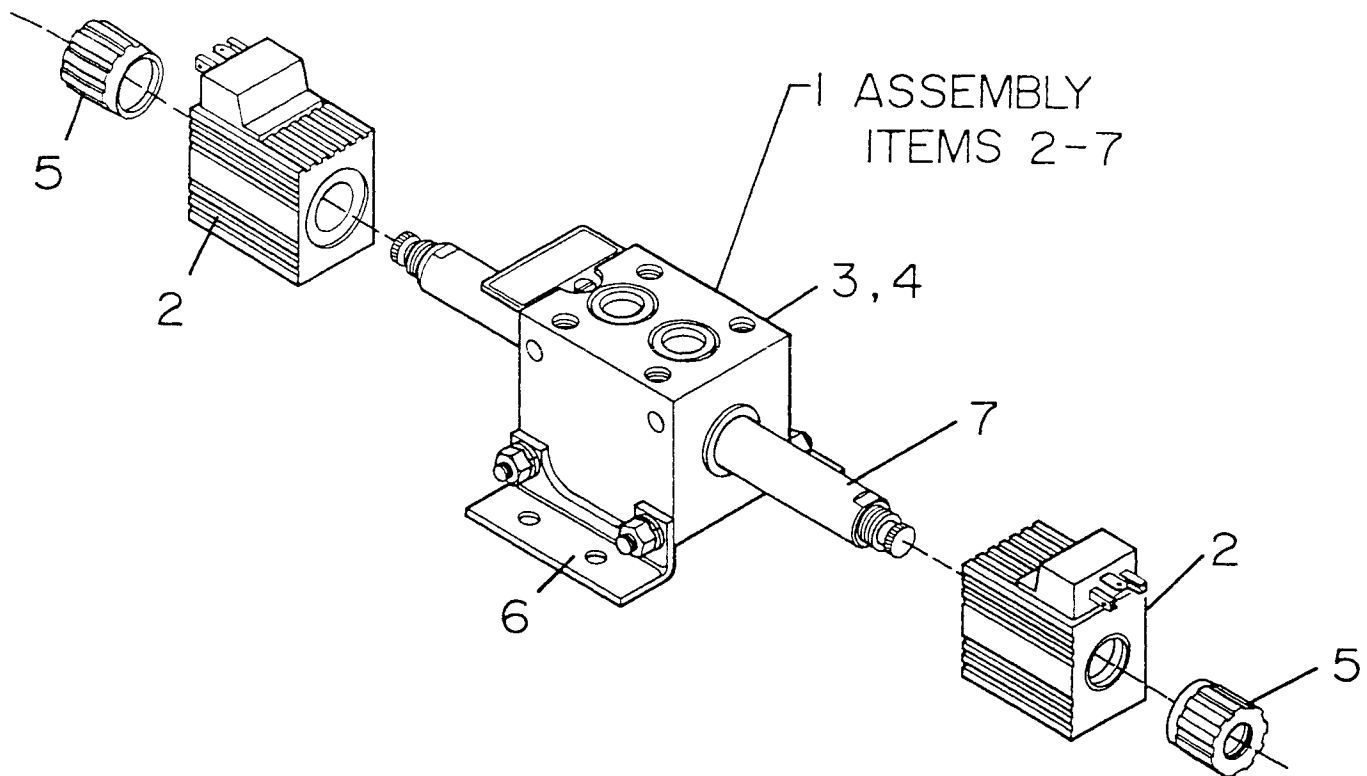
| ITEM | NUMBER    | DESCRIPTION                    | REQD    |
|------|-----------|--------------------------------|---------|
| 1    | 7-316-136 | TUBE WELDMENT                  | 1       |
| 2    | 7-316-119 | SHAFT                          | 1       |
| 3    | 7-316-99  | HEAD                           | 1       |
| 4    | 7-316-109 | PISTON                         | 1       |
| 5    | 7-316-51  | SEAL / PISTON                  | (*) 1   |
| 6    | 7-316-62  | WEAR RING / PISTON             | (*) 2   |
| 7    | 7-316-72  | SELF-LOCKING NUT               | 1       |
| 8    | 7-316-77  | O-RING / STUB SHAFT            | (*) 1   |
| 9    | 7-316-88  | O-RING / HEAD                  | (*) 1   |
| 10   | 7-316-89  | BACK-UP RING / HEAD            | (*) 1   |
| 11   | 7-316-42  | WEAR RING / HEAD               | (*) 2   |
| 12   | 7-316-22  | SEAL / SHAFT                   | (*) 1   |
| 13   | 7-316-32  | WIPER / SHAFT                  | (*) 1   |
| 14   | 7-316-95  | CAPSCREW 7/16                  | 4       |
| 15   | 7-316-158 | BRONZE BUSHING / Ref 6-4510-16 | 1       |
| 16   | 7-316-159 | BRONZE BUSHING / Ref 6-4510-12 | 1       |
| 17   | 7-316-140 | SPACER                         | 1       |
| 18   | 7-316-150 | LUBE FITTING / SHAFT END       | 1       |
| 19   | 7-316-149 | LUBE FITTING / BASE END        | 1       |
| 20   |           |                                |         |
| 21   | 7-900-25  | SEAL KIT / ITEMS MARKED        | (*) REF |



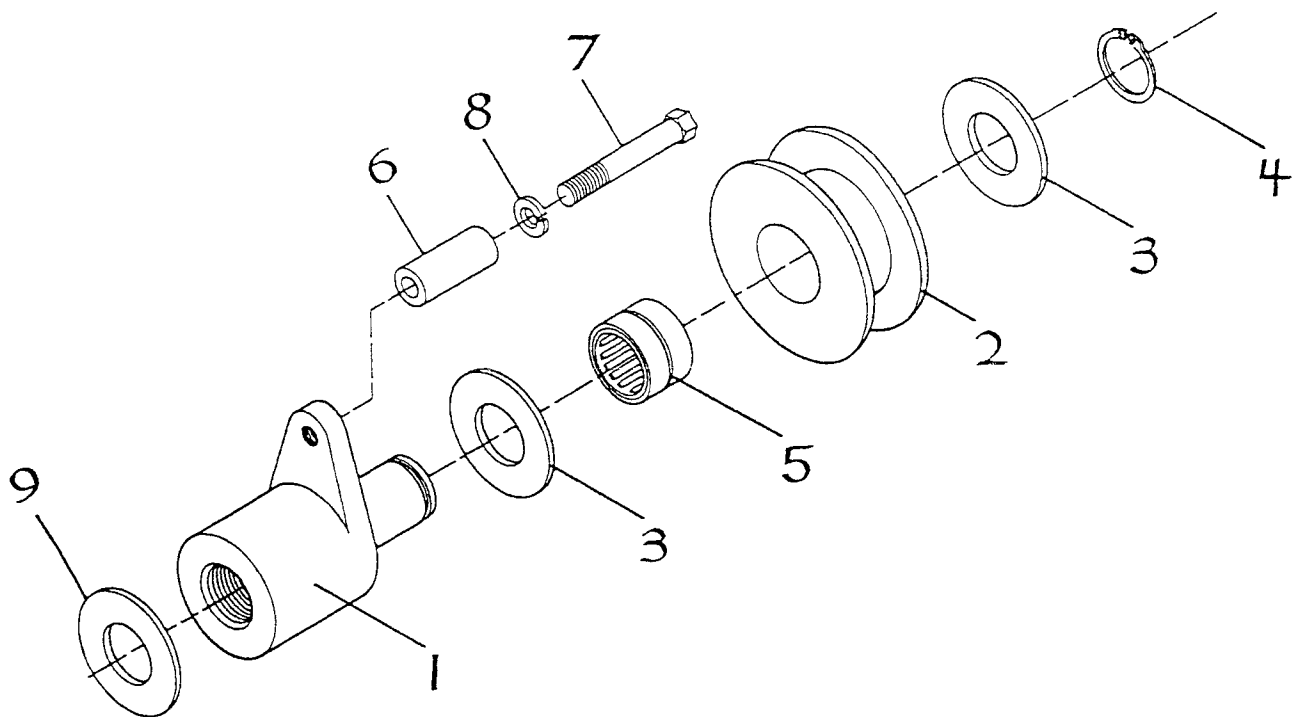
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-234-35  | DUAL PILOT CHECK VALVE ASSEMBLY | 1    |
| 2    | 7-234-46  | BODY                            | 1    |
| 3    | 7-234-18  | CARTRIDGE / PILOT CHECK         | 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    | 7-316-05   | CYLINDER / ROTATE                 | REF  |
| 2    | 6-6493-02  | FITTING / 06 OR x 06 TUBE 90      | 1    |
| 3    | 6-6501-32  | TUBING 3/8 x 4 LG.                | 1    |
| 4    | 6-6492-02  | FITTING / 06 OR x 06 TUBE STR     | 1    |
| 5    | 7-234-35   | DUAL CHECK VALVE                  | 1    |
| 6    | 6-5605-20  | CAPSCREW / SH 5/16 NC x 2 1/2 LG. | 2    |
| 7    | 6-6214-05  | LOCKWASHER 5/16 HI-COLLAR         | 2    |
| 8    | 6-6450-05  | FITTING / 06 OR x 04 JIC STR      | 1    |
| 9    | 6-6453-04  | FITTING / 06 OR x 04 JIC 90       | 1    |
| 10   | 6-7022-144 | HOSE / 04 x 04-90 x 72 LG.        | 1    |
| 11   | 6-7022-152 | HOSE / 04 x 04-90 x 76 LG.        | 1    |
| 12   | 7-273-37   | CLAMP HALF SET / 1/4 TWIN HOSE    | 1    |
| 13   | 2-1138     | BULKHEAD MOUNTING PLATE           | 1    |
| 14   | 6-6477-03  | FITTING / 04 JIC BH-UNION 90      | 2    |
| 15   | 6-7002-648 | HOSE / 04 x 04 x 324 LG.          | 2    |
| 16   | 7-292-01   | HOSE REEL ASSEMBLY                | 1    |
| 17   | 1-2020     | MOUNT / HOSE REEL                 | REF  |
| 18   | 1-2020     | MOUNT / HOSE REEL                 | REF  |
| 19   | 6-6450-05  | FITTING / 06 OR x 04 JIC STR      | 2    |
| 20   | 6-5208-32  | CAPSCREW 1/2 NC x 4 LG.           | 2    |
| 21   | 6-6201-08  | HEX NUT 1/2 NC                    | 2    |
| 22   | 6-6211-08  | LOCKWASHER 1/2                    | 2    |
| 23   | 6-6450-08  | FITTING / 06 OR x 06 JIC STR      | 2    |
| 24   | 6-7013-26  | HOSE / 06 x 08 x 13 LG.           | 1    |
| 25   | 6-7013-26  | HOSE / 06 x 08 x 13 LG.           | 1    |
| 26   | 6-6490-03  | FITTING / 08 JIC x 08 TUBE STR    | 4    |
| 27   | 7-273-21   | CLAMP HALF SET / 1/2 TUBE / TWIN  | 4    |
| 28   | 3-1064-3   | FORMED TUBE 1/2 OD                | 1    |
| 29   | 3-1064-4   | FORMED TUBE 1/2 OD                | 1    |
| 30   | 6-7043-184 | HOSE / 08 x 06-90 x 92 LG.        | 1    |
| 31   | 6-7043-184 | HOSE / 08 x 06-90 x 92 LG.        | 1    |
| 32   | 7-244-31   | 4-WAY ELECTRIC VALVE              | 1    |
| 33   | 6-6452-03  | FITTING / 06 OR x 06 JIC 45       | 2    |
| 34   | 6-7003-100 | HOSE / 06 x 06 x 50 LG.           | 1    |
| 35   | 6-6453-04  | FITTING / 06 OR x 04 JIC 90       | 1    |
| 36   | 6-6426-10  | FITTING / 08 NPT x 06 JIC 45      | 1    |
| 37   | 6-7022-62  | HOSE / 04 x 04-90 x 31 LG.        | 1    |
| 38   | 6-6450-05  | FITTING / 06 OR x 04 JIC STR      | REF  |
| 39   | 7-127-04   | SWITCH / ROTATE                   | 1    |
| 40   | 6-6450-08  | FITTING / 06 OR x 04 JIC STR      | 1    |
| 41   | 6-5204-08  | CAPSCREW 1/4 NC x 1 LG.           | 4    |
| 42   | 6-6211-04  | LOCKWASHER 1/4                    | 4    |
| 43   | 7-273-23   | TOP PLATE / 1/4 HOSE CLAMP        | 1    |
| 44   | 6-5205-10  | CAPSCREW 5/16 NC x 1 1/4 LG.      | 1    |
| 45   | 7-273-23   | TOP PLATE / 1/2 TUBE CLAMP        | 4    |
| 46   | 6-5205-10  | CAPSCREW 5/16 NC x 1 1/4 LG.      | 4    |
| 47   | 7-244-27   | DIN CONNECTOR                     | 2    |
| 48   | 6-9615-192 | HOSE ARMOR 1.00 ID x 24 LG.       | 1    |
| 49   | 6-9618-40  | SHRINK TUBING 1.00 ID x 5 LG.     | 12   |



| 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    |



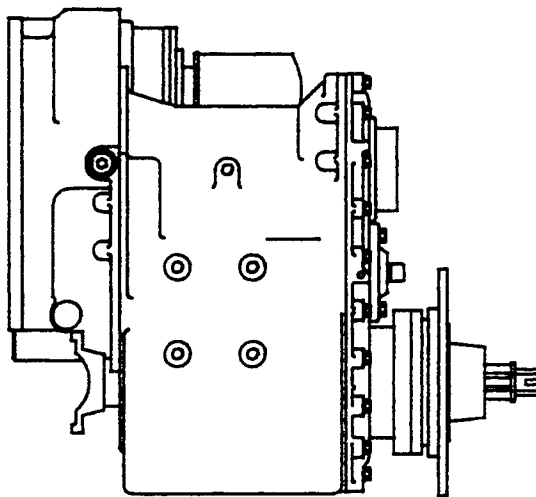
| ITEM | NUMBER    | DESCRIPTION             | REQD |
|------|-----------|-------------------------|------|
| 1    | 3-1109    | PIN / HOSE ROLLER       | 1    |
| 2    | 2-1065    | SHEAVE                  | 1    |
| 3    | 6-6600-12 | BRONZE WASHER           | 2    |
| 4    | 7-239-04  | RETAINING RING          | 1    |
| 5    | 7-193-05  | BEARING                 | 1    |
| 6    | 6-1900-01 | SPACER                  | 1    |
| 7    | 6-5208-24 | CAPSCREW 1/2 NC x 3 LG. | 1    |
| 8    | 6-6211-08 | LOCKWASHER 1/2          | 1    |
| 9    | 1-1133    | WASHER                  | 1    |



# TRANSMISSION PARTS BOOK

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SS-624, SS-636, SS-836  
SS-842, SS-1048



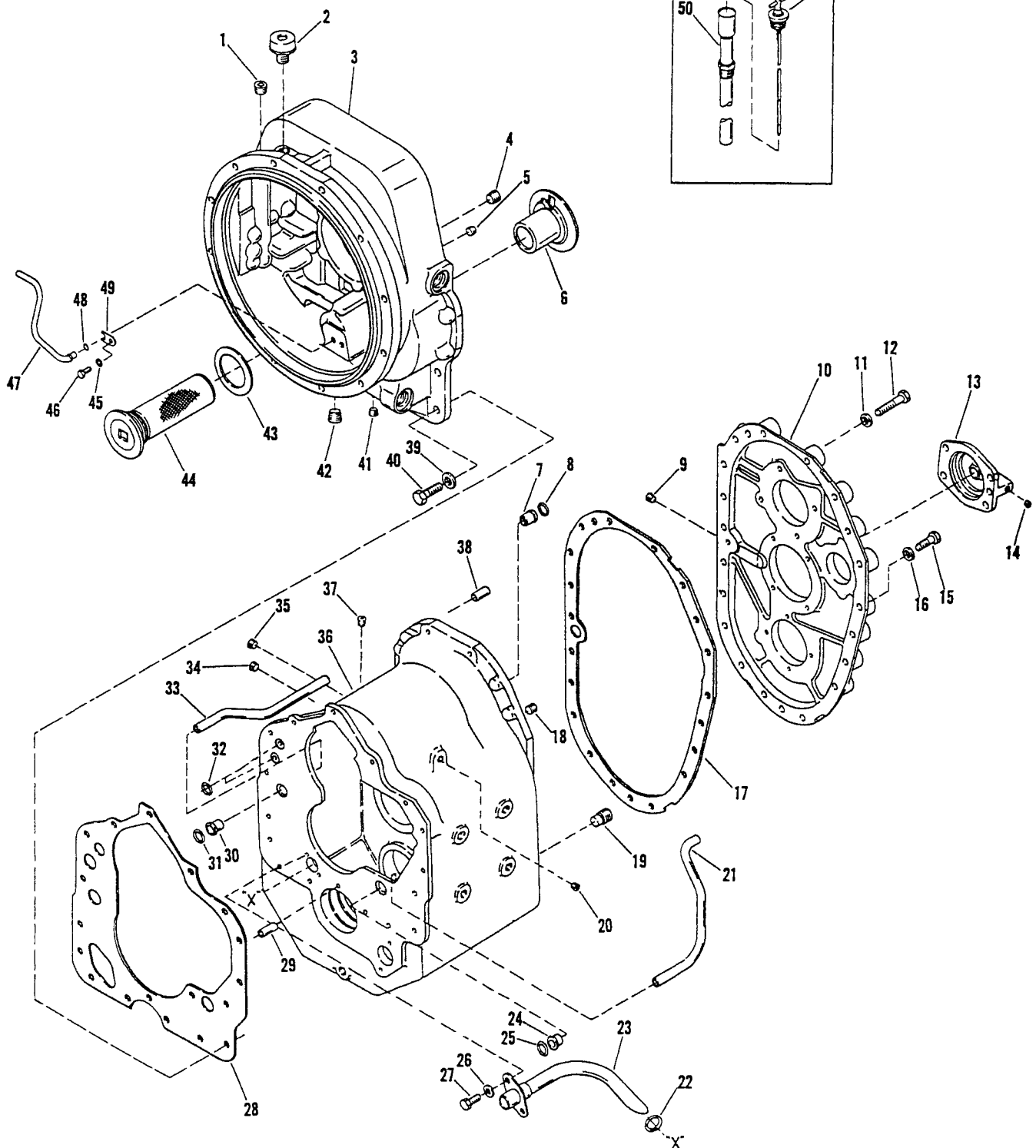
DATE: 7-23-96  
CLARK 18000 SERIES  
INTERMEDIATE DROP

BARAGA PRODUCTS, INC.  
455 N. Superior Ave.  
Baraga, MI 49908-0248  
Ph. (906) 353-6675 Fax (906) 353-7543

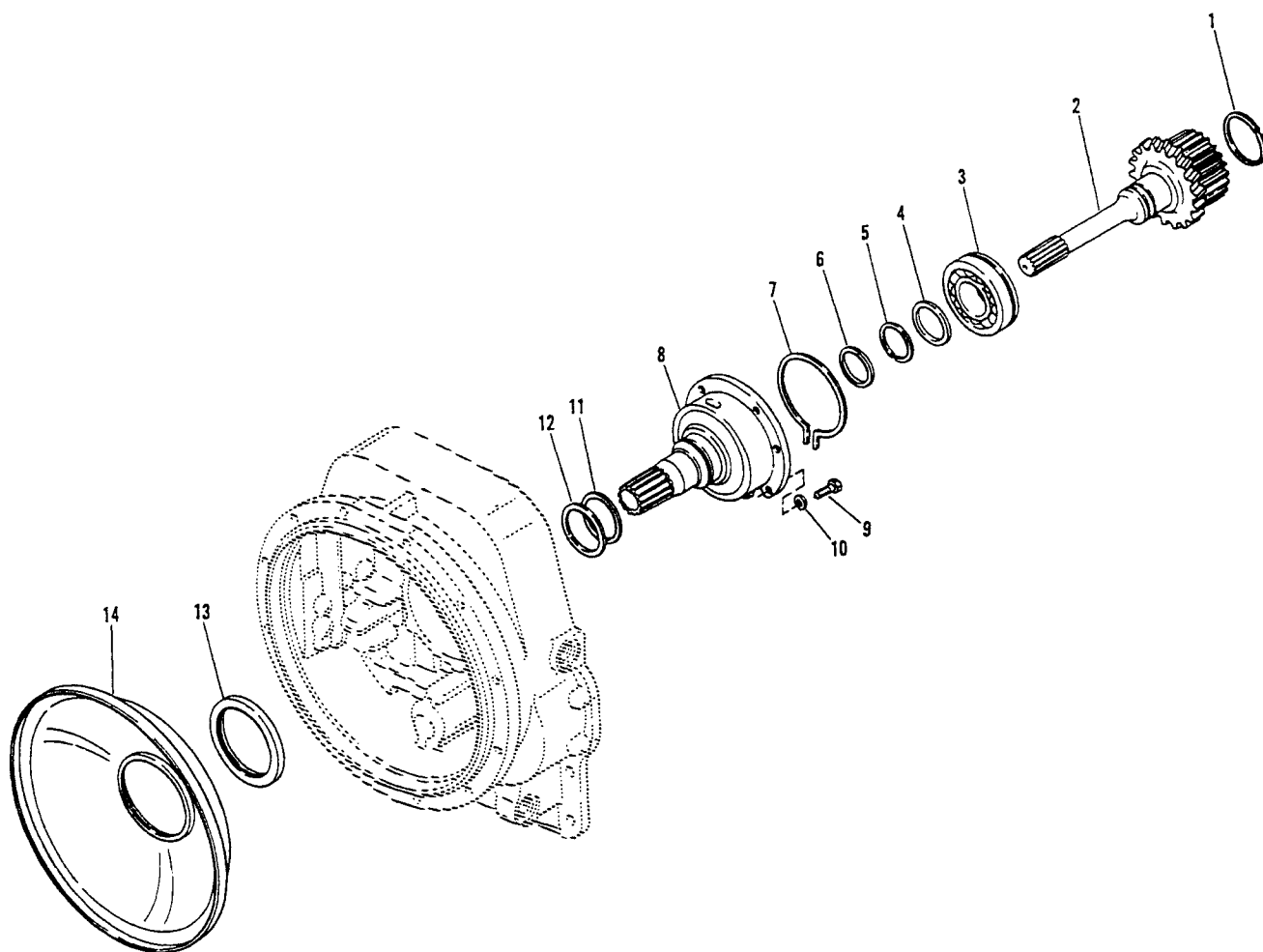
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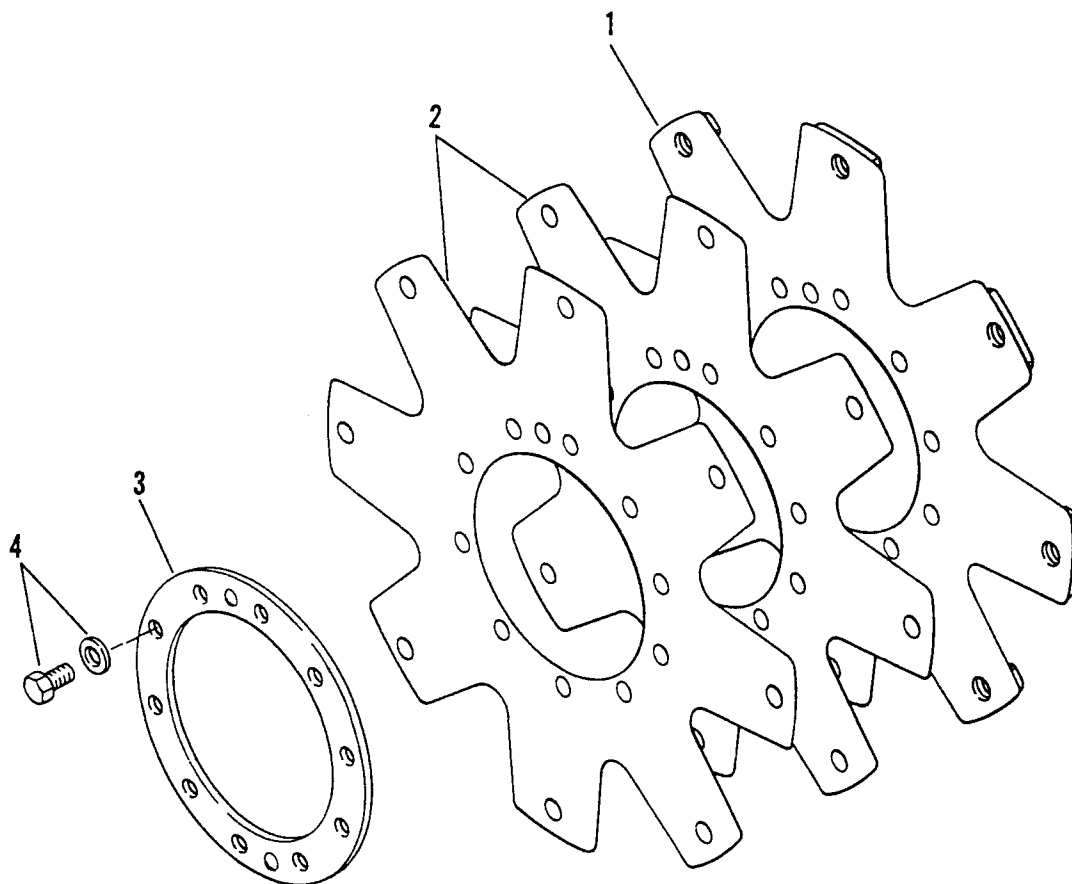
| PAGES | DESCRIPTION                      | DRAWING |
|-------|----------------------------------|---------|
| ----- | -----                            | -----   |
| 1     | CONVERTER HOUSING / CASE & COVER | P1-2032 |
| 2     | TURBINE SHAFT & STATOR SUPPORT   | P1-2033 |
| 3     | DRIVE PLATE GROUP                | P1-2034 |
| 4     | MODULATOR VALVE ASSEMBLY         | P1-2035 |
| 5     | DISC PARKING BRAKE GROUP         | P1-1135 |
| 6     | HYDRAULIC CONTROL VALVE ASSEMBLY | P1-2037 |
| 7     | CHARGING PUMP & FILTER GROUP     | P1-2038 |
| 8     | OUTPUT SHAFT GROUP               | P1-2039 |
| 9     | 3rd SHAFT CLUTCH GROUP           | P1-2040 |
| 10    | LOW SPEED SHAFT GROUP            | P1-2041 |
| 11    | REVERSE & 2nd SHAFT GROUP        | P1-2042 |
| 12    | REVERSE IDLER GROUP              | P1-2043 |
| 13    | FORWARD SHAFT GROUP              | P1-2044 |
| 14    | CHARGING PUMP DRIVE GROUP        | P1-2045 |
| 15    | AUXILIARY PUMP DRIVE GROUP       | P1-2046 |
| 16    | TORQUE CONVERTER ASSEMBLY GROUP  | P1-2047 |



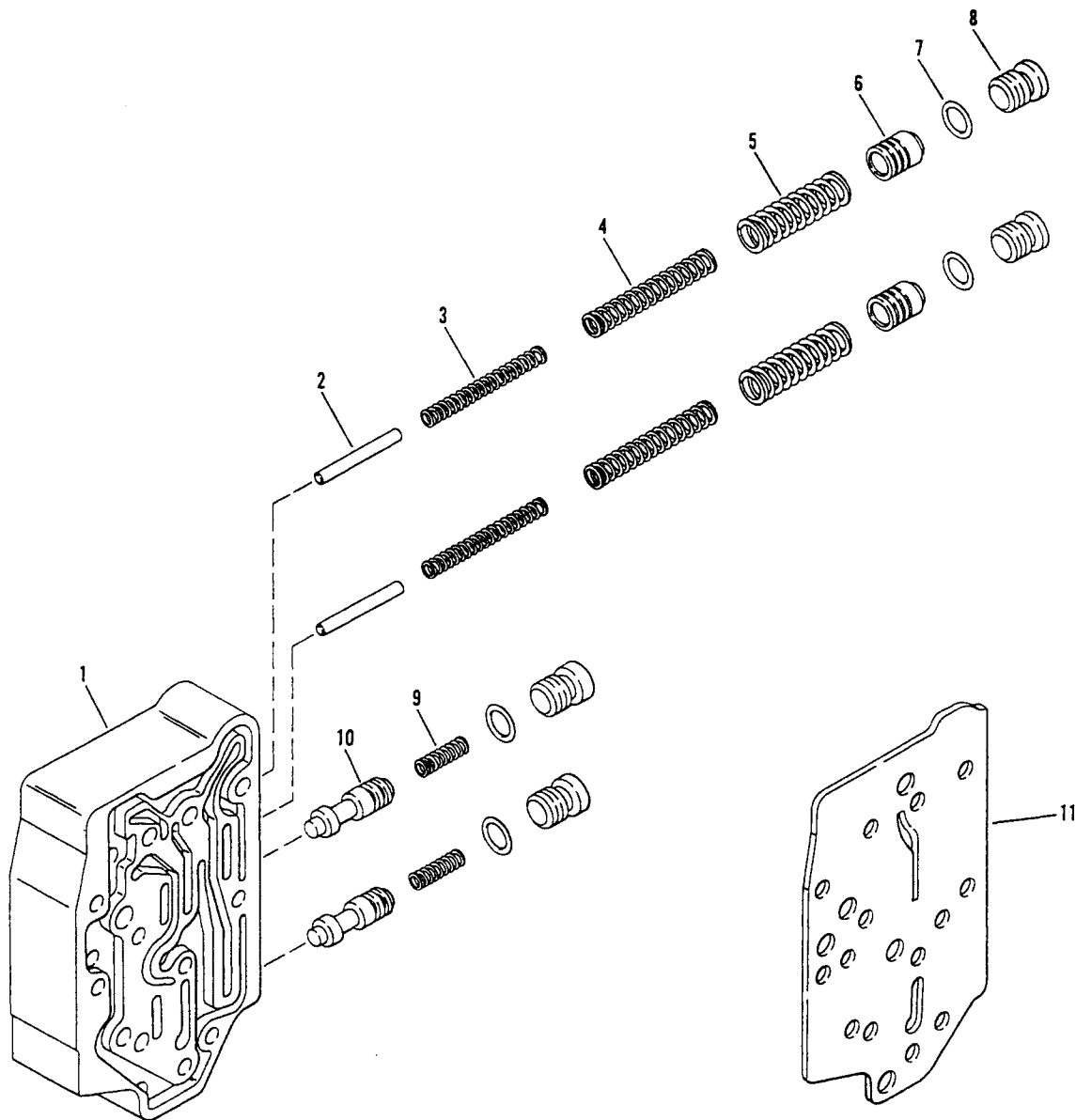
| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-126-04  | PIPE PLUG                    | 1    |
| 2    | 7-126-05  | BREATHER / AIR               | 1    |
| 3    | 7-126-260 | HOUSING ASSEMBLY / CONVERTER | 1    |
| 4    | 7-126-07  | PIPE PLUG                    | 1    |
| 5    | 7-126-08  | PIPE PLUG                    | 1    |
| 6    | 7-126-09  | SLEEVE / CONVERTER HOUSING   | 1    |
| 7    | 7-126-21  | SLEEVE / TUBE                | 1    |
| 8    | 7-126-20  | O-RING                       | 1    |
| 9    | 7-126-08  | PIPE PLUG                    | 1    |
| 10   | 7-126-261 | REAR COVER                   | 1    |
| 11   | 7-126-10  | LOCKWASHER                   | 10   |
| 12   | 7-126-262 | SCREW                        | 10   |
| 13   | 7-126-263 | CAP / BEARING                | 1    |
| 14   | 7-126-30  | PLUG                         | 1    |
| 15   | 7-126-262 | SCREW                        | 10   |
| 16   | 7-126-10  | LOCKWASHER                   | 10   |
| 17   | 7-126-264 | GASKET                       | 1    |
| 18   | 7-126-04  | PIPE PLUG                    | 1    |
| 19   | 7-126-33  | DRAIN PLUG / MAGNETIC        | 1    |
| 20   | 7-126-265 | PIPR PLUG                    | 1    |
| 21   | 7-126-266 | TUBE / CLUTCH LUBE           | 1    |
| 22   | 7-126-37  | O-RING                       | 1    |
| 23   | 7-126-267 | SUCTION TUBE ASSEMBLY        | 1    |
| 24   | 7-126-41  | TUBE SLEEVE                  | 1    |
| 25   | 7-126-20  | O-RING                       | 1    |
| 26   | 7-126-14  | LOCKWASHER                   | 2    |
| 27   | 7-126-15  | SCREW                        | 2    |
| 28   | 7-126-268 | GASKET                       | 1    |
| 29   | 7-126-27  | DOWEL PIN                    | 1    |
| 30   | 7-126-21  | TUBE SLEEVE                  | 1    |
| 31   | 7-126-20  | O-RING                       | 1    |
| 32   | 7-126-22  | O-RING                       | 2    |
| 33   | 7-126-23  | TUBE / LOW SPEED CLUTCH      | 1    |
| 34   | 7-126-04  | PIPE PLUG                    | 1    |
| 35   | 7-126-32  | PIPE PLUG                    | 1    |
| 36   | 7-126-269 | TRANSMISSION CASE / See Note | 1    |
| 37   |           | See Items 50 & 51            |      |
| 38   | 7-126-27  | DOWEL PIN                    | 2    |
| 39   | 7-126-10  | LOCKWASHER                   | 16   |
| 40   | 7-126-11  | SCREW                        | 16   |
| 41   | 7-126-08  | PIPE PLUG                    | 1    |
| 42   | 7-126-07  | PIPE PLUG                    | 1    |
| 43   | 7-126-12  | GASKET                       | 1    |
| 44   | 7-126-13  | SCREEN ASSEMBLY              | 1    |
| 45   | 7-126-14  | LOCKWASHER                   | 1    |
| 46   | 7-126-15  | SCREW                        | 1    |
| 47   | 7-126-16  | TUBE                         | 1    |
| 48   | 7-126-17  | O-RING                       | 1    |
| 49   | 7-126-18  | TUBE CLIP                    | 1    |
| 50   | 7-126-270 | TUBE ASSEMBLY                | 1    |
| 51   | 7-126-271 | DIPSTICK                     | 1    |



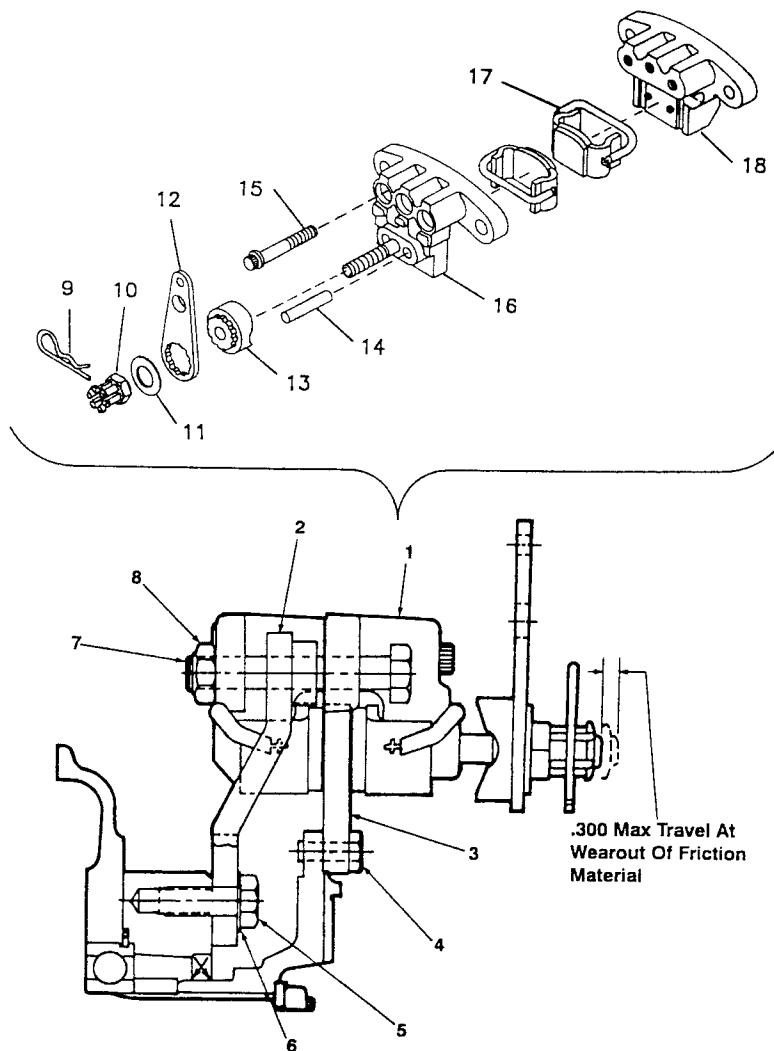
| ITEM | NUMBER   | DESCRIPTION         | REQD |
|------|----------|---------------------|------|
| 1    | 7-126-45 | RETAINING RING      | 1    |
| 2    | 7-126-46 | TURBINE SHAFT       | 1    |
| 3    | 7-126-47 | BEARING             | 1    |
| 4    | 7-126-48 | WASHER              | 1    |
| 5    | 7-126-49 | RING                | 1    |
| 6    | 7-126-50 | PISTON RING         | 1    |
| 7    | 7-126-51 | SNAP RING           | 1    |
| 8    | 7-126-52 | STATOR SUPPORT      | 1    |
| 9    | 7-126-53 | SCREW               | 6    |
| 10   | 7-126-54 | LOCKWASHER          | 6    |
| 11   | 7-126-55 | SPRING              | 1    |
| 12   | 7-126-56 | PISTON RING         | 1    |
| 13   | 7-126-57 | OIL SEAL            | 1    |
| 14   | 7-126-58 | OIL BAFFLE ASSEMBLY | 1    |



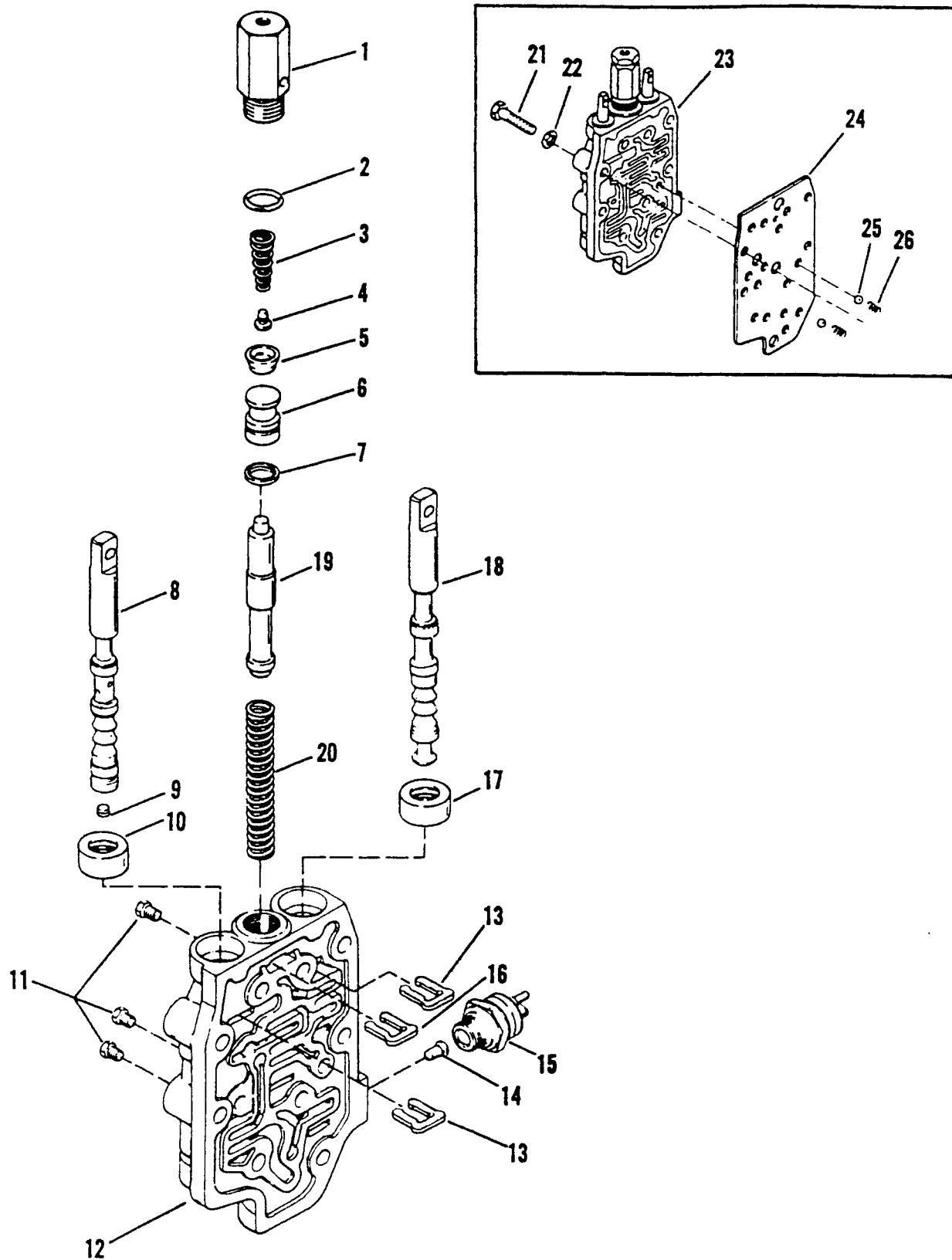
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-126-279 | DRIVEPLATE ASSEMBLY             | 1    |
| 2    |           | DRIVEPLATE / Included In Item 1 |      |
| 3    | 7-126-60  | RING                            | 1    |
| 4    | 7-126-61  | SCREW & LOCKWASHER              | 10   |



| ITEM | NUMBER   | DESCRIPTION                       | REQD |
|------|----------|-----------------------------------|------|
| 1    | 7-126-62 | MODULATOR VALVE ASSEMBLY          | 1    |
| 2    | 7-126-63 | PIN / ACCUMULATOR                 | 2    |
| 3    | 7-126-64 | SPRING / ACCUMULATOR / INNER      | 2    |
| 4    | 7-126-65 | SPRING / ACCUMULATOR / OUTER      | 2    |
| 5    | 7-126-66 | SPRING / ACCUMULATOR / OUTER      | 2    |
| 6    |          | ACCUMULATOR VALVE / With Item (1) |      |
| 7    | 7-126-67 | O-RING                            | 4    |
| 8    | 7-126-68 | STOP PLUG                         | 4    |
| 9    | 7-126-69 | SPRING                            | 2    |
| 10   |          | REGULATOR SPOOL / With Item (1)   |      |
| 11   | 7-126-70 | GASKET                            | 1    |

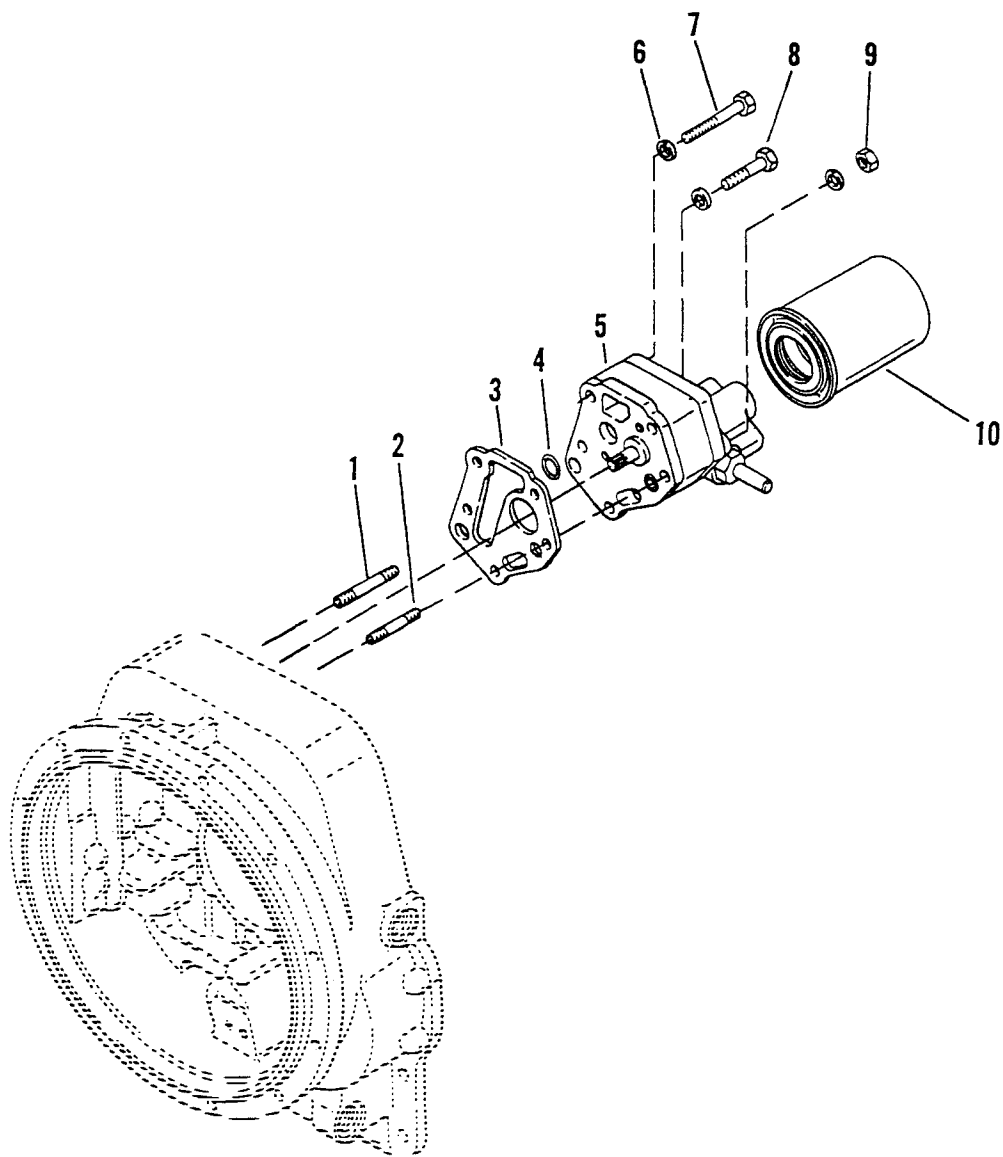


| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-336-01  | CALIPER ASSY (ITEMS 9 THRU 18)  | REF  |
| 2    | 7-126-326 | MOUNTING BRACKET ASSEMBLY       | 1    |
| 3    | 7-126-324 | BRAKE DISC (.450 MIN.THICKNESS) | 1    |
| 4    | 7-126-327 | CAPSCREW                        | 6    |
| 5    | 7-126-328 | CAPSCREW                        | 4    |
| 6    | 7-126-329 | WASHER                          | 4    |
| 7    | 7-126-330 | CAPSCREW                        | 2    |
| 8    | 7-126-331 | NUT                             | 2    |
| 9    | 7-336-10  | COTTER PIN                      | 1    |
| 10   | 7-336-11  | CASTLE NUT                      | 1    |
| 11   | 7-336-09  | WASHER                          | 1    |
| 12   | 7-336-08  | LEVER                           | 1    |
| 13   | 7-336-07  | CAM                             | 1    |
| 14   | 7-336-05  | PUSH PIN                        | 2    |
| 15   | 7-336-06  | BOLT                            | 3    |
| 16   | 7-336-04  | CAM SIDE CASTING                | 1    |
| 17   | 7-336-02  | PAD,HOLDER,SPRING ASSEMBLY      | 2    |
| 18   | 7-336-03  | CARRIER SIDE SUB-ASSEMBLY       | 1    |
| 19   | 7-336-12  | RELINING KIT / DISC BRAKE       | REF  |



HYDRAULIC DECLUTCH

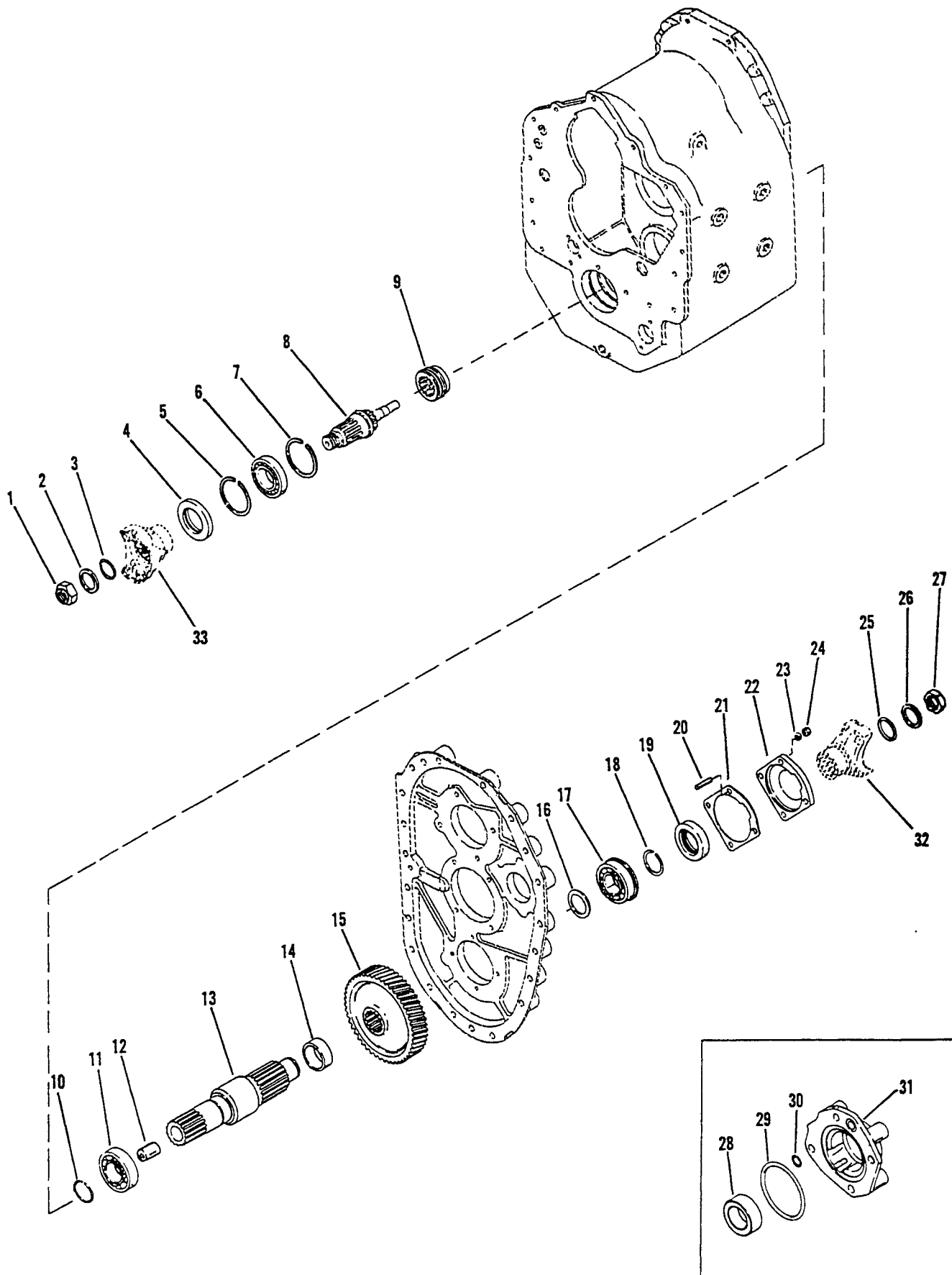
| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 7-126-83  | HYDRAULIC ACTUATOR            | 1    |
| 2    | 7-126-84  | O-RING                        | 1    |
| 3    | 7-126-85  | SPRING                        | 1    |
| 4    |           | SPRING RETAINER PIN w/ ITEM 3 |      |
| 5    | 7-126-86  | PISTON SEAL                   | 1    |
| 6    | 7-126-87  | PISTON                        | 1    |
| 7    | 7-126-88  | RING ASSEMBLY                 | 1    |
| 8    | 7-126-89  | SPOOL & PLUG ASSEMBLY         | 1    |
| 9    | 7-126-90  | PLUG                          | 1    |
| 10   | 7-126-91  | SEAL                          | 1    |
| 11   | 7-126-92  | PLUG                          | 3    |
| 12   | 7-126-93  | CONTROL VALVE HOUSING ASSY    | 1    |
| 13   | 7-126-94  | SPOOL STOP                    | 2    |
| 14   | 7-126-95  | PIN                           | 1    |
| 15   | 7-126-96  | NEUTRAL SWITCH                | 1    |
| 16   | 7-126-94  | SPOOL STOP                    | 1    |
| 17   | 7-126-91  | SEAL                          | 1    |
| 18   | 7-126-97  | FOR-REV VALVE SPOOL           | 1    |
| 19   | 7-126-98  | VALVE SPOOL                   | 1    |
| 20   | 7-126-346 | SPRING                        | 1    |
| 21   | 7-126-100 | CAPSCREW                      | 9    |
| 22   | 7-126-54  | LOCKWASHER                    | 9    |
| 23   | 7-126-347 | CONTROL VALVE ASSEMBLY        | 1    |
| 24   | 7-126-300 | GASKET                        | 1    |
| 25   | 7-126-103 | BALL / DETENT                 | 2    |
| 26   | 7-126-104 | SPRING / DETENT               | 2    |



| ITEM | NUMBER    | DESCRIPTION            | REQD |
|------|-----------|------------------------|------|
| 1    | 7-126-105 | STUD / PUMP MOUNT      | 1    |
| 2    | 7-126-106 | STUD / PUMP MOUNT      | 1    |
| 3    | 7-126-107 | GASKET                 | 1    |
| 4    | 7-126-22  | O-RING                 | 1    |
| 5    | 7-126-108 | CHARGING PUMP ASSEMBLY | 1    |
| 6    | 7-126-10  | LOCKWASHER             | 5    |
| 7    | 7-126-109 | CAPSCREW               | 1    |
| 8    | 7-126-110 | CAPSCREW               | 2    |
| 9    | 7-126-111 | NUT                    | 2    |
| 10   | 7-126-301 | FILTER                 | 1    |

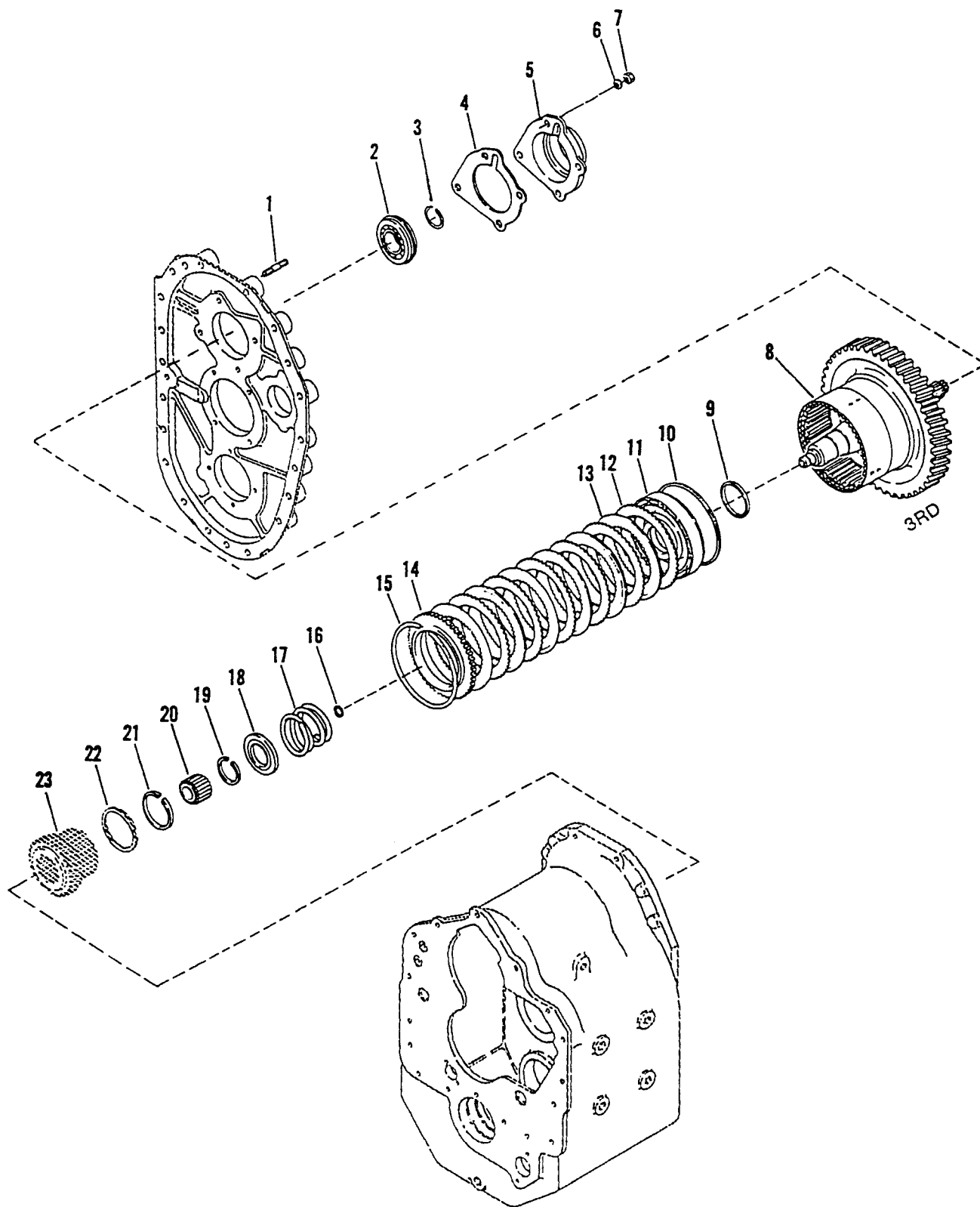
## NOTES

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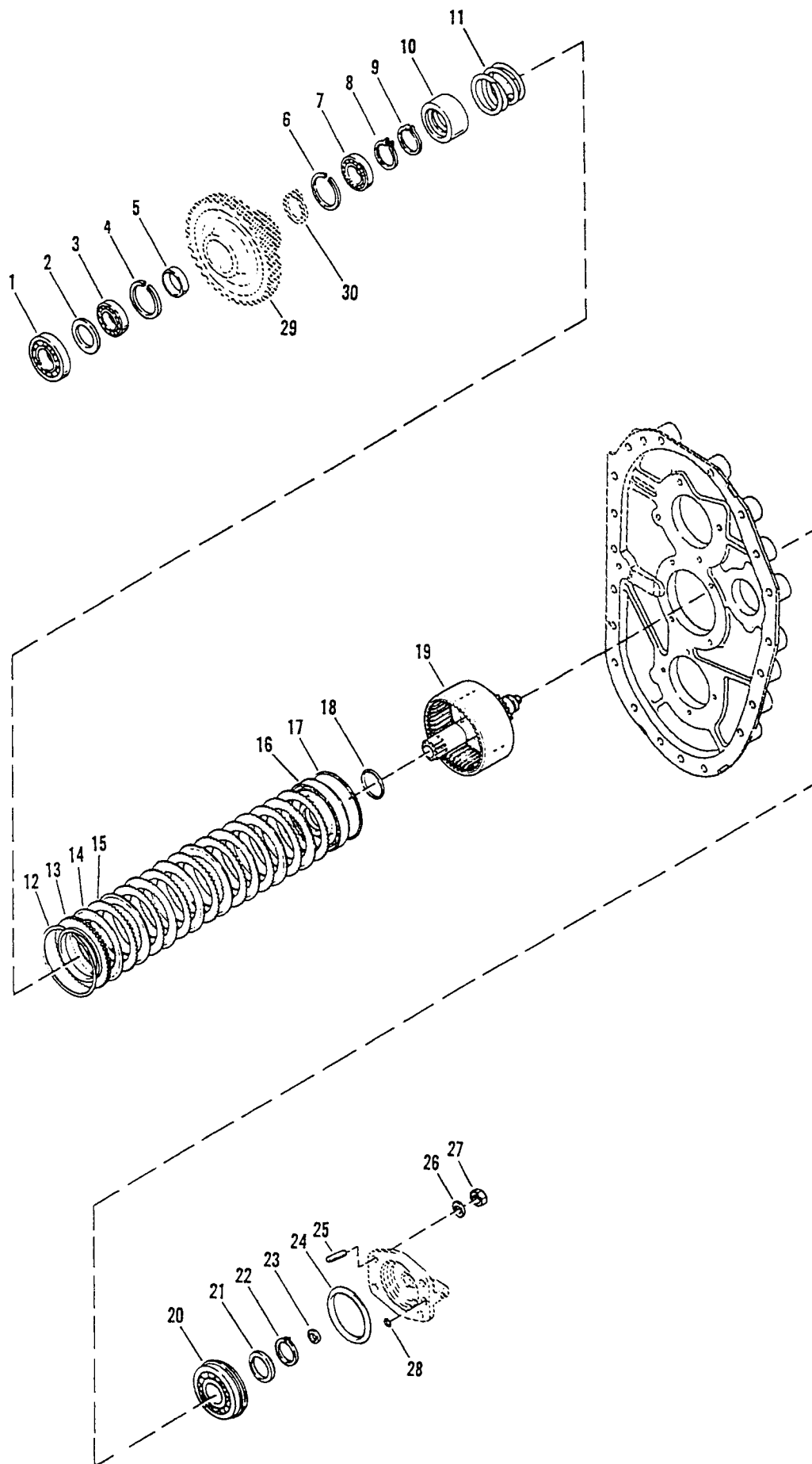


PARKING BRAKE  
LESS SPEEDO GEAR

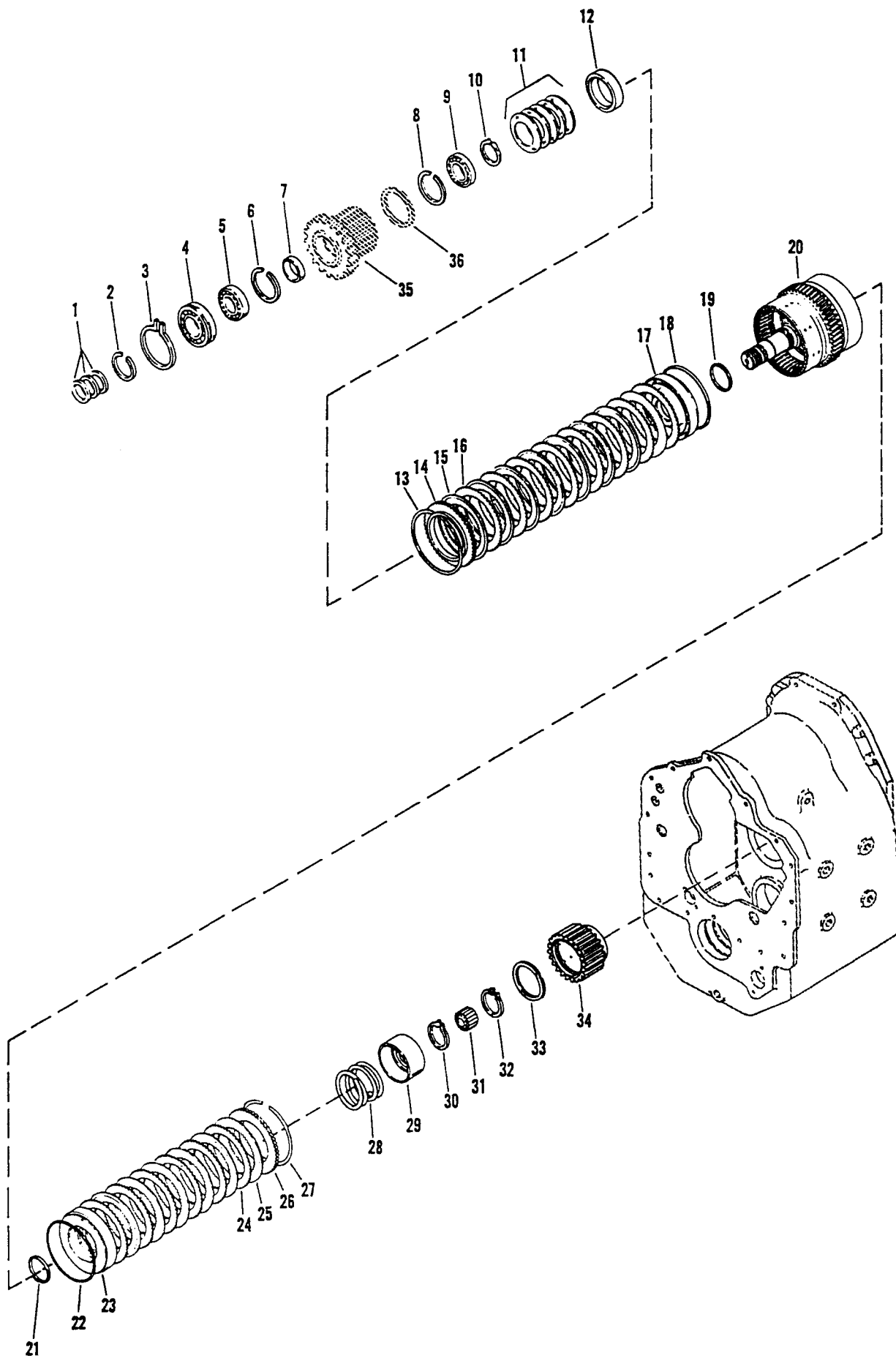
| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | 7-126-302 | NUT / FLANGE                    | 1    |
| 2    | 7-126-303 | WASHER                          | 1    |
| 3    | 7-126-304 | O-RING                          | 1    |
| 4    | 7-126-305 | OIL SEAL                        | 1    |
| 5    | 7-126-306 | RETAINER RING                   | 1    |
| 6    | 7-126-307 | BEARING                         | 1    |
| 7    | 7-126-308 | RETAINER RING                   | 1    |
| 8    | 7-126-309 | SHAFT / DISCONNECT              | 1    |
| 9    | 7-126-310 | DRIVE COUPLING                  | 1    |
| 10   | 7-126-49  | RETAINING RING                  | 1    |
| 11   | 7-126-161 | BEARING                         | 1    |
| 12   | 7-126-311 | BUSHING                         | 1    |
| 13   | 7-126-312 | OUTPUT SHAFT & BUSHING ASSEMBLY | 1    |
| 14   | 7-126-125 | SPACER                          | 1    |
| 15   | 7-126-313 | GEAR (48T)                      | 1    |
| 16   | 7-126-123 | SPACER                          | 1    |
| 17   | 7-126-113 | BEARING                         | 1    |
| 18   |           | Not Used On This Model          |      |
| 19   | 7-126-114 | OIL SEAL                        | 1    |
| 20   | 7-126-115 | STUD                            | 4    |
| 21   |           | Not Used On This Model          |      |
| 22   |           | See Item 31                     |      |
| 23   | 7-126-116 | LOCKWASHER                      | 4    |
| 24   | 7-126-117 | NUT                             | 4    |
| 25   | 7-126-118 | O-RING                          | 1    |
| 26   | 7-126-314 | WASHER                          | 1    |
| 27   | 7-126-315 | FLANGE NUT                      | 1    |
| 28   | 7-126-130 | SPACER                          | 1    |
| 29   | 7-126-129 | O-RING                          | 1    |
| 30   | 7-126-128 | O-RING                          | 1    |
| 31   | 7-126-127 | CAP / BEARING                   | 1    |
| 32   | 7-126-255 | BRAKE FLANGE                    | 1    |
| 33   | 7-126-319 | OUTPUT FLANGE                   | 1    |



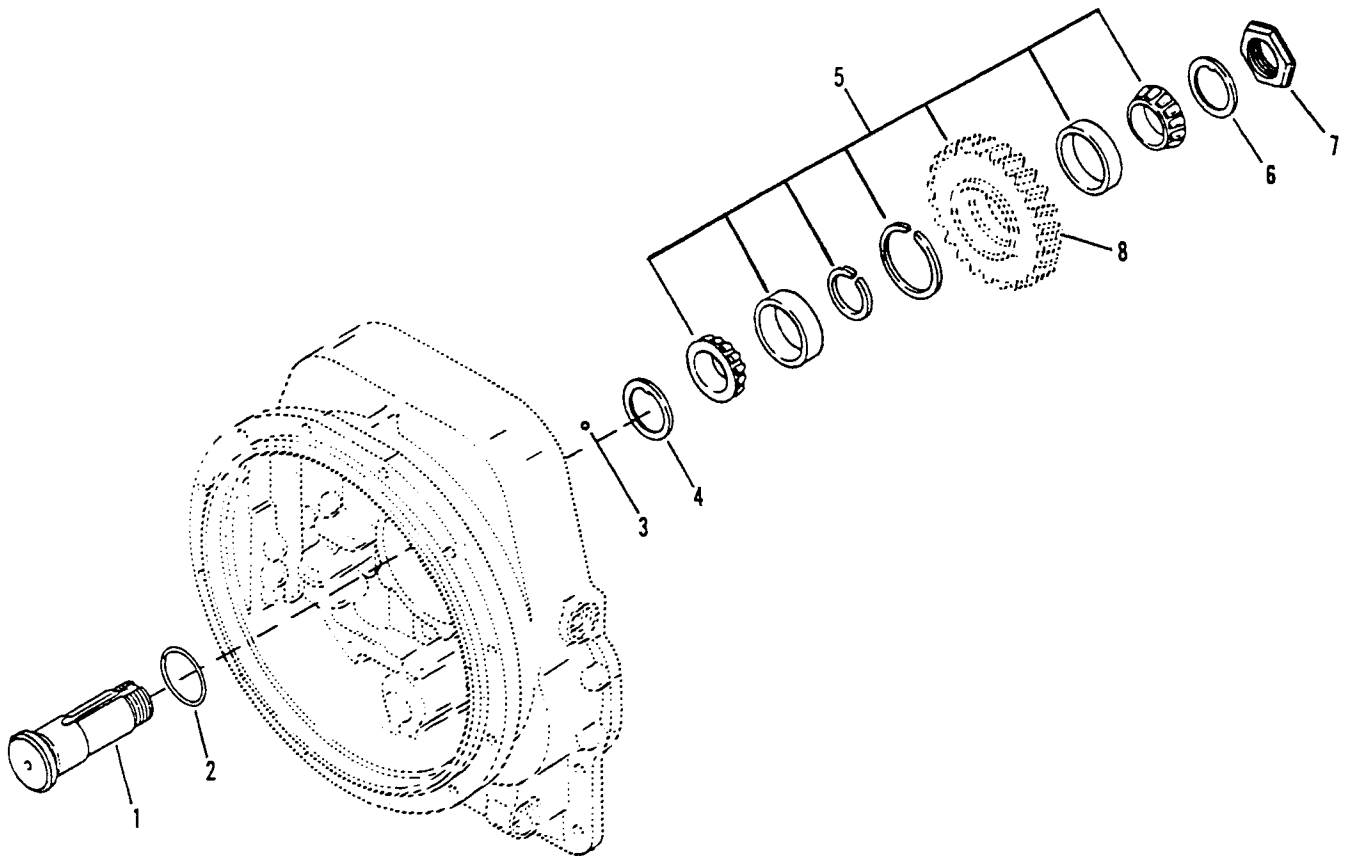
| ITEM | NUMBER    | DESCRIPTION               | REQD |
|------|-----------|---------------------------|------|
| ---- | -----     | -----                     | ---- |
| 1    | 7-126-291 | STUD                      | 4    |
| 2    | 7-126-133 | BEARING                   | 1    |
| 3    | 7-126-174 | RETAINING RING            | 1    |
| 4    | 7-126-292 | GASKET                    | 1    |
| 5    | 7-126-293 | CAP / BEARING             | 1    |
| 6    | 7-126-54  | LOCKWASHER                | 4    |
| 7    | 7-126-294 | NUT                       | 4    |
| 8    | 7-126-295 | DRUM & HUB / CLUTCH SHAFT | 1    |
| 9    | 7-126-144 | PISTON RING               | 1    |
| 10   | 7-126-145 | PISTON RING               | 1    |
| 11   | 7-126-146 | CLUTCH PISTON ASSEMBLY    | 1    |
| 12   | 7-126-147 | DISC / OUTER              | 6    |
| 13   | 7-126-148 | DISC / INNER              | 6    |
| 14   | 7-126-149 | DISC / BACKING PLATE      | 1    |
| 15   | 7-126-150 | SNAP RING                 | 1    |
| 16   | 7-126-170 | RING                      | 1    |
| 17   | 7-126-151 | SPRING                    | 1    |
| 18   | 7-126-152 | RETAINER / SPRING         | 1    |
| 19   | 7-126-153 | SNAP RING                 | 1    |
| 20   | 7-126-296 | BEARING / PILOT           | 1    |
| 21   | 7-126-210 | RETAINER RING             | 1    |
| 22   | 7-126-45  | RETAINING RING            | 1    |
| 23   | 7-126-318 | GEAR / 3rd                | 1    |



| ITEM | NUMBER    | DESCRIPTION               | REQD |
|------|-----------|---------------------------|------|
| 1    | 7-126-161 | BEARING                   | 1    |
| 2    | 7-126-162 | SPACER                    | 1    |
| 3    | 7-126-156 | BEARING                   | 1    |
| 4    | 7-126-163 | RING                      | 1    |
| 5    | 7-126-164 | SPACER                    | 1    |
| 6    | 7-126-163 | RING                      | 1    |
| 7    | 7-126-156 | BEARING                   | 1    |
| 8    | 7-126-165 | RETAINING RING            | 1    |
| 9    | 7-126-153 | SNAP RING                 | 1    |
| 10   | 7-126-152 | RETAINER / SPRING         | 1    |
| 11   | 7-126-151 | SPRING                    | 1    |
| 12   | 7-126-150 | SNAP RING                 | 1    |
| 13   | 7-126-149 | DISC / BACKING PLATE      | 1    |
| 14   | 7-126-166 | DISC / INNER              | 8    |
| 15   | 7-126-147 | DISC / OUTER              | 8    |
| 16   | 7-126-167 | PISTON / CLUTCH           | 1    |
| 17   | 7-126-145 | SEAL                      | 1    |
| 18   | 7-126-144 | SEAL                      | 1    |
| 19   | 7-126-290 | SHAFT & DRUM / LOW CLUTCH | 1    |
| 20   | 7-126-169 | BEARING                   | 1    |
| 21   | 7-126-48  | WASHER                    | 1    |
| 22   | 7-126-165 | RETAINING RING            | 1    |
| 23   | 7-126-170 | PISTON RING               | 1    |
| 24   | 7-126-171 | O-RING                    | 1    |
| 25   | 7-126-141 | STUD                      | 4    |
| 26   | 7-126-10  | LOCKWASHER                | 4    |
| 27   | 7-126-111 | NUT                       | 4    |
| 28   | 7-126-173 | O-RING                    | 1    |
| 29   | 7-126-317 | GEAR                      | 1    |
| 30   | 7-126-45  | RETAINER RING             | 1    |

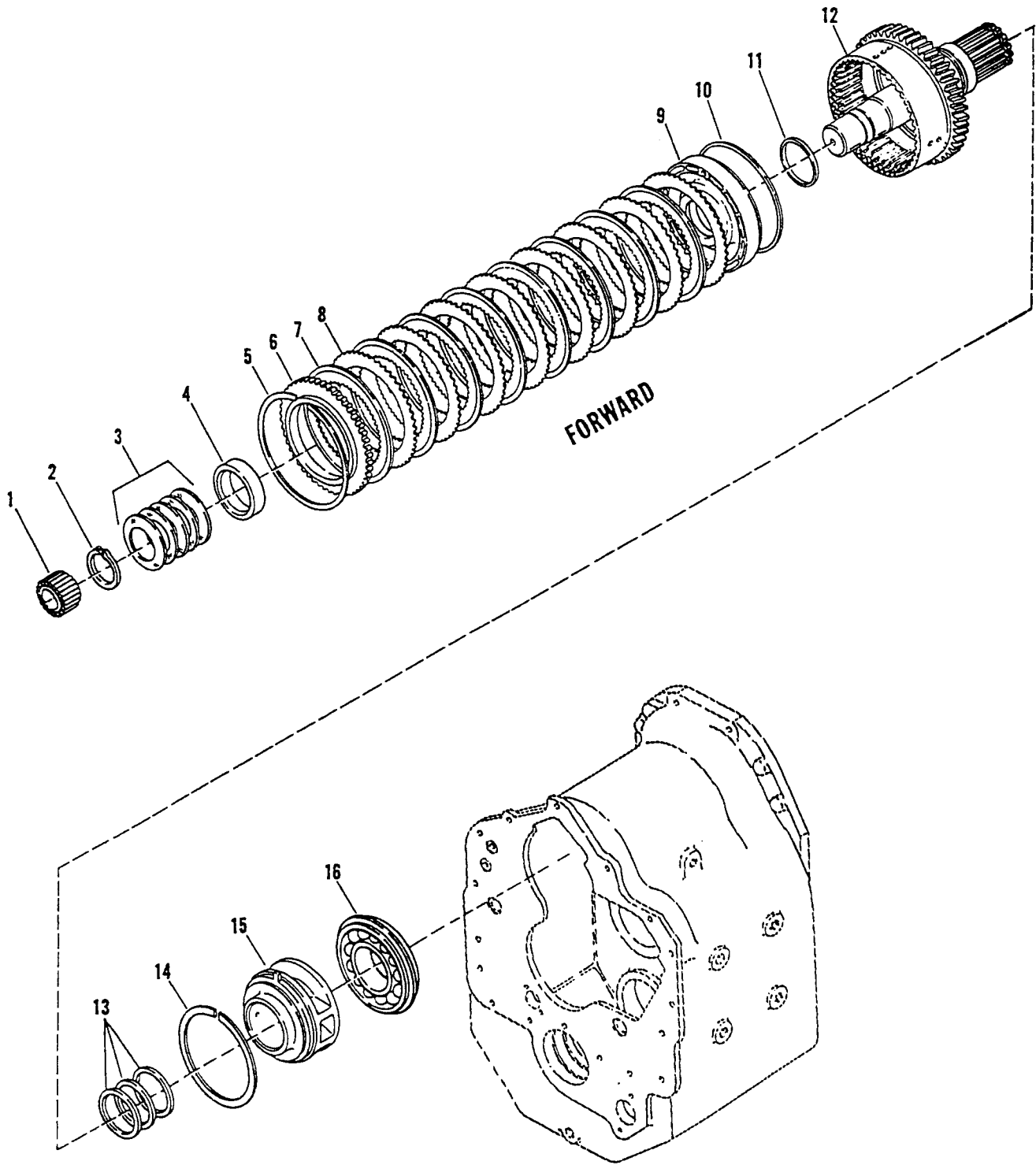


| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| ---- | -----     | -----                           | ---- |
| 1    | 7-126-158 | PISTON RING                     | 3    |
| 2    | 7-126-174 | RING                            | 1    |
| 3    | 7-126-175 | SNAP RING                       | 1    |
| 4    | 7-126-176 | BEARING                         | 1    |
| 5    | 7-126-177 | BEARING                         | 1    |
| 6    | 7-126-178 | RETAINER RING                   | 1    |
| 7    | 7-126-179 | SPACER                          | 1    |
| 8    | 7-126-178 | RETAINER RING                   | 1    |
| 9    | 7-126-180 | BEARING                         | 1    |
| 10   | 7-126-181 | SNAP RING                       | 1    |
| 11   | 7-126-182 | SPRING                          | 5    |
| 12   | 7-126-183 | SPACER                          | 1    |
| 13   | 7-126-150 | SNAP RING                       | 1    |
| 14   | 7-126-149 | DISC / BACKING PLATE            | 1    |
| 15   | 7-126-148 | DISC / INNER                    | 8    |
| 16   | 7-126-147 | DISC / OUTER                    | 8    |
| 17   | 7-126-184 | CLUTCH PISTON                   | 1    |
| 18   | 7-126-145 | SEAL                            | 1    |
| 19   | 7-126-144 | SEAL                            | 1    |
| 20   | 7-126-185 | DRUM / REVERSE-2nd              | 1    |
| 21   | 7-126-144 | SEAL                            | 1    |
| 22   | 7-126-145 | SEAL                            | 1    |
| 23   | 7-126-146 | CLUTCH PISTON ASSEMBLY          | 1    |
| 24   | 7-126-147 | DISC / OUTER                    | 6    |
| 25   | 7-126-148 | DISC / INNER                    | 6    |
| 26   | 7-126-149 | DISC / BACKING PLATE            | 1    |
| 27   | 7-126-150 | SNAP RING                       | 1    |
| 28   | 7-126-151 | SPRING                          | 1    |
| 29   | 7-126-152 | RETAINER / SPRING               | 1    |
| 30   | 7-126-153 | SNAP RING                       | 1    |
| 31   | 7-126-154 | BEARING                         | 1    |
| 32   | 7-126-165 | RING                            | 1    |
| 33   | 7-126-45  | RETAINER RING                   | 1    |
| 34   | 7-126-186 | HUB / 2nd                       | 1    |
| 35   | 7-126-316 | GEAR / REVERSE                  | 1    |
| 36   | 7-126-45  | RETAINING RING / With Item (35) | 1    |

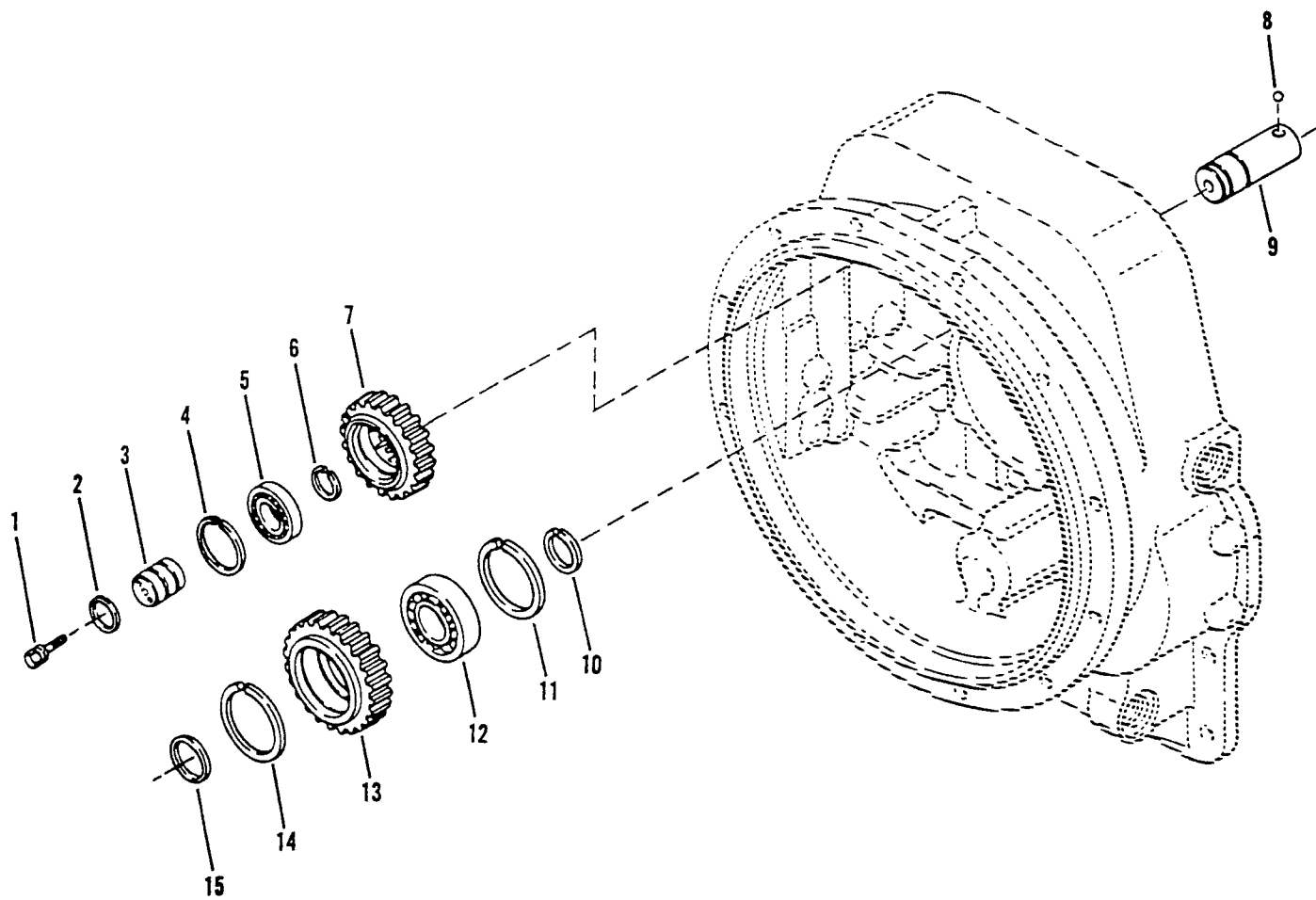


| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 7-126-284 | SHAFT / REVERSE IDLER         | 1    |
| 2    | 7-126-285 | O-RING                        | 1    |
| 3    | 7-126-286 | LOCKBALL                      | 1    |
| 4    | 7-126-287 | THRUST PLATE                  | 1    |
| 5    | 7-126-191 | BEARING & IDLER GEAR ASSEMBLY | 1    |
| 6    | 7-126-287 | THRUST PLATE                  | 1    |
| 7    | 7-126-288 | NUT / BEARING RETAINER        | 1    |
| 8    | 7-126-190 | GEAR (37T)                    | 1    |

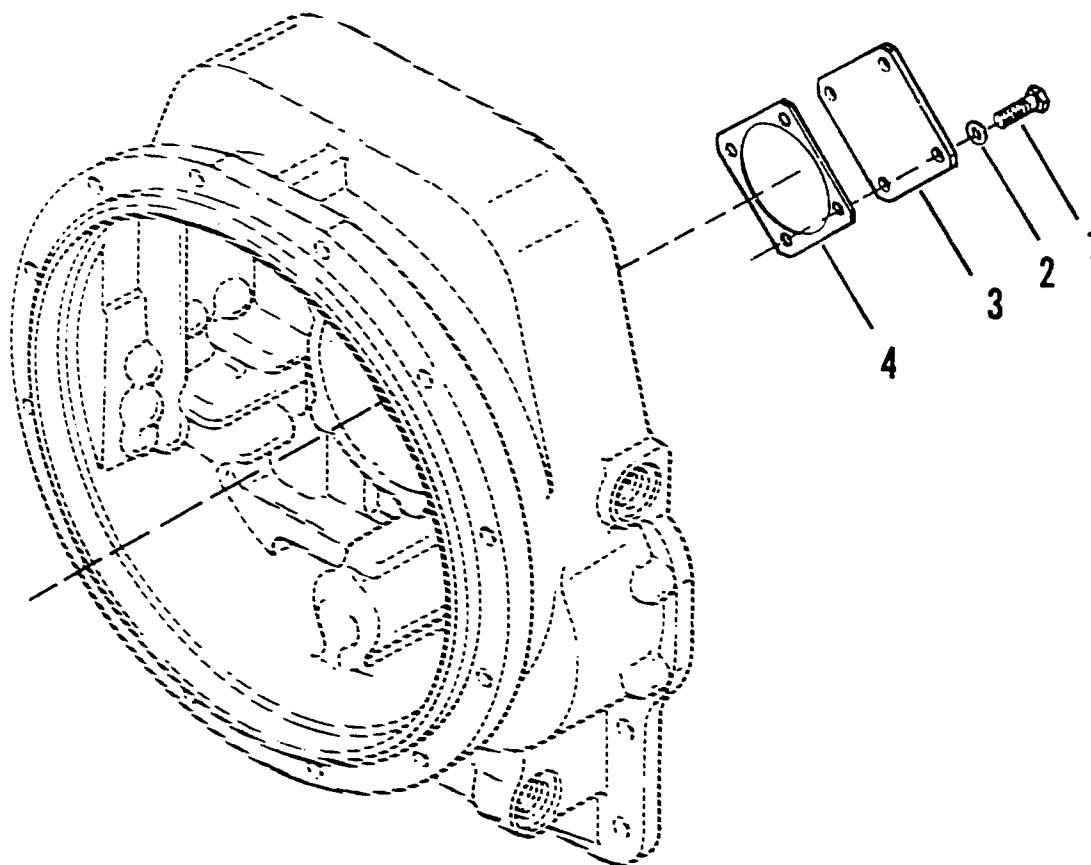
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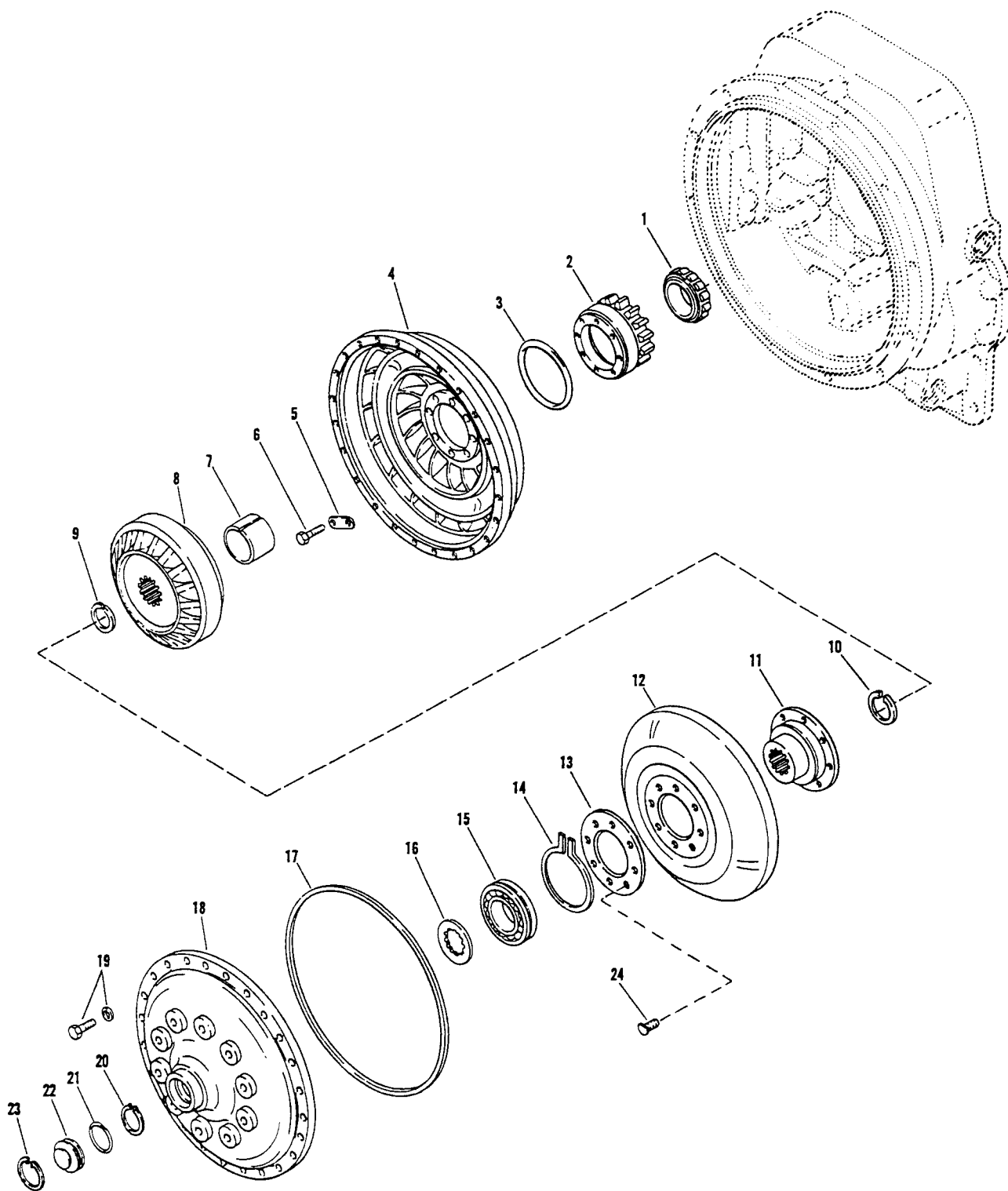
| ITEM | NUMBER    | DESCRIPTION             | REQD |
|------|-----------|-------------------------|------|
| ---- | -----     | -----                   | ---- |
| 1    | 7-126-195 | BEARING                 | 1    |
| 2    | 7-126-181 | SNAP RING               | 1    |
| 3    | 7-126-182 | SPRING                  | 5    |
| 4    | 7-126-183 | SPACER                  | 1    |
| 5    | 7-126-150 | SNAP RING               | 1    |
| 6    | 7-126-149 | DISC / BACKING PLATE    | 1    |
| 7    | 7-126-148 | DISC / INNER            | 8    |
| 8    | 7-126-147 | DISC / OUTER            | 8    |
| 9    | 7-126-184 | CLUTCH PISTON           | 1    |
| 10   | 7-126-145 | SEAL                    | 1    |
| 11   | 7-126-144 | SEAL                    | 1    |
| 12   | 7-126-289 | DRUM ASSEMBLY / FORWARD | 1    |
| 13   | 7-126-197 | PISTON RING             | 3    |
| 14   | 7-126-198 | RETAINING RING          | 1    |
| 15   | 7-126-199 | SLEEVE                  | 1    |
| 16   | 7-126-200 | BEARING                 | 1    |



| ITEM | NUMBER    | DESCRIPTION       | REQD |
|------|-----------|-------------------|------|
| 1    | 7-126-202 | SCREW & WASHER    | 2    |
| 2    | 7-126-203 | RING              | 1    |
| 3    | 7-126-204 | BEARING SUPPORT   | 1    |
| 4    | 7-126-205 | RETAINING RING    | 1    |
| 5    | 7-126-206 | BEARING           | 1    |
| 6    | 7-126-203 | RING              | 1    |
| 7    | 7-126-207 | GEAR / PUMP DRIVE | 1    |
| 8    | 7-126-208 | BALL              | 1    |
| 9    | 7-126-209 | STUB SHAFT        | 1    |
| 10   | 7-126-203 | RING              | 1    |
| 11   | 7-126-280 | RETAINING RING    | 1    |
| 12   | 7-126-281 | BEARING           | 1    |
| 13   | 7-126-212 | GEAR / IDLER      | 1    |
| 14   | 7-126-282 | RETAINING RING    | 1    |
| 15   | 7-126-203 | RING              | 1    |

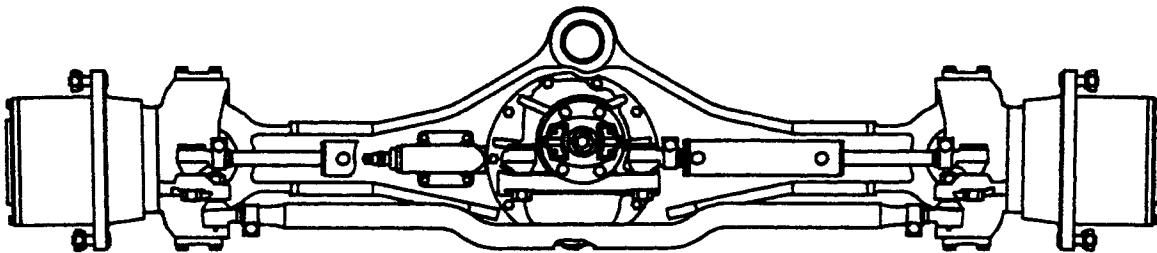


| ITEM | NUMBER    | DESCRIPTION | REQD |
|------|-----------|-------------|------|
| 1    | 7-126-214 | CAPSCREW    | 4    |
| 2    | 7-126-215 | LOCKWASHER  | 4    |
| 3    | 7-126-259 | COVER       | 1    |
| 4    | 7-126-283 | GASKET      | 1    |



| ITEM | NUMBER    | DESCRIPTION         | REQD |
|------|-----------|---------------------|------|
| 1    | 7-126-225 | BEARING             | 1    |
| 2    | 7-126-224 | GEAR / IMPELLER HUB | 1    |
| 3    | 7-126-223 | O-RING              | 1    |
| 4    | 7-126-222 | IMPELLER            | 1    |
| 5    | 7-126-221 | LOCK TAB            | 4    |
| 6    | 7-126-220 | SCREW               | 8    |
| 7    | 7-126-273 | SPACER / BEARING    | 1    |
| 8    | 7-126-218 | REACTION MEMBER     | 1    |
| 9    | 7-126-217 | RETAINING RING      | 1    |
| 10   | 7-126-226 | RETAINING RING      | 1    |
| 11   | 7-126-274 | TURBINE HUB         | 1    |
| 12   | 7-126-275 | TURBINE             | 1    |
| 13   | 7-126-276 | RING / HUB          | 1    |
| 14   | 7-126-228 | RING                | 1    |
| 15   | 7-126-229 | BEARING             | 1    |
| 16   | 7-126-230 | WASHER              | 1    |
| 17   | 7-126-231 | O-RING              | 1    |
| 18   | 7-126-232 | COVER / IMPELLER    | 1    |
| 19   | 7-126-236 | SCREW & LOCKWASHER  | 24   |
| 20   | 7-126-226 | RETAINING RING      | 1    |
| 21   | 7-126-233 | O-RING              | 1    |
| 22   | 7-126-234 | PLUG                | 1    |
| 23   | 7-126-277 | RETAINING RING      | 1    |
| 24   | 7-126-278 | SCREW               | 12   |

FRONT AXLE  
PARTS BOOK  
SS-1048  
SS-842

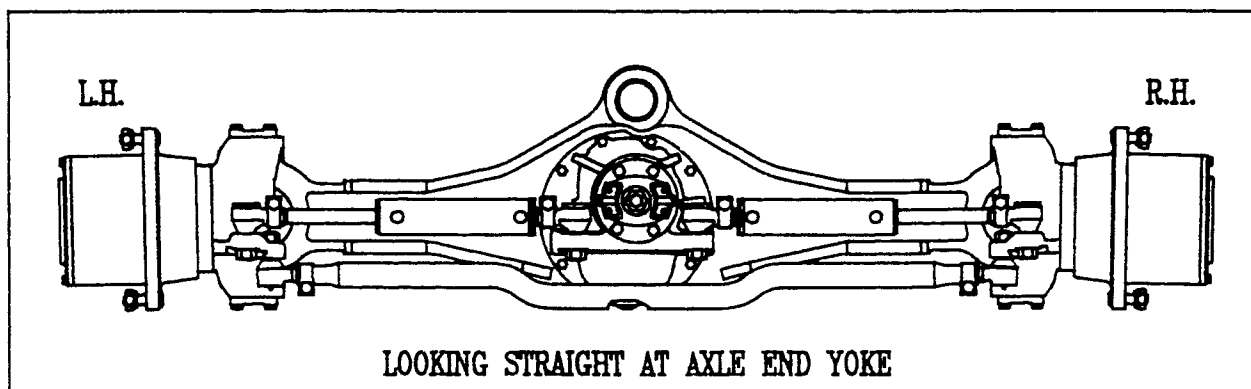


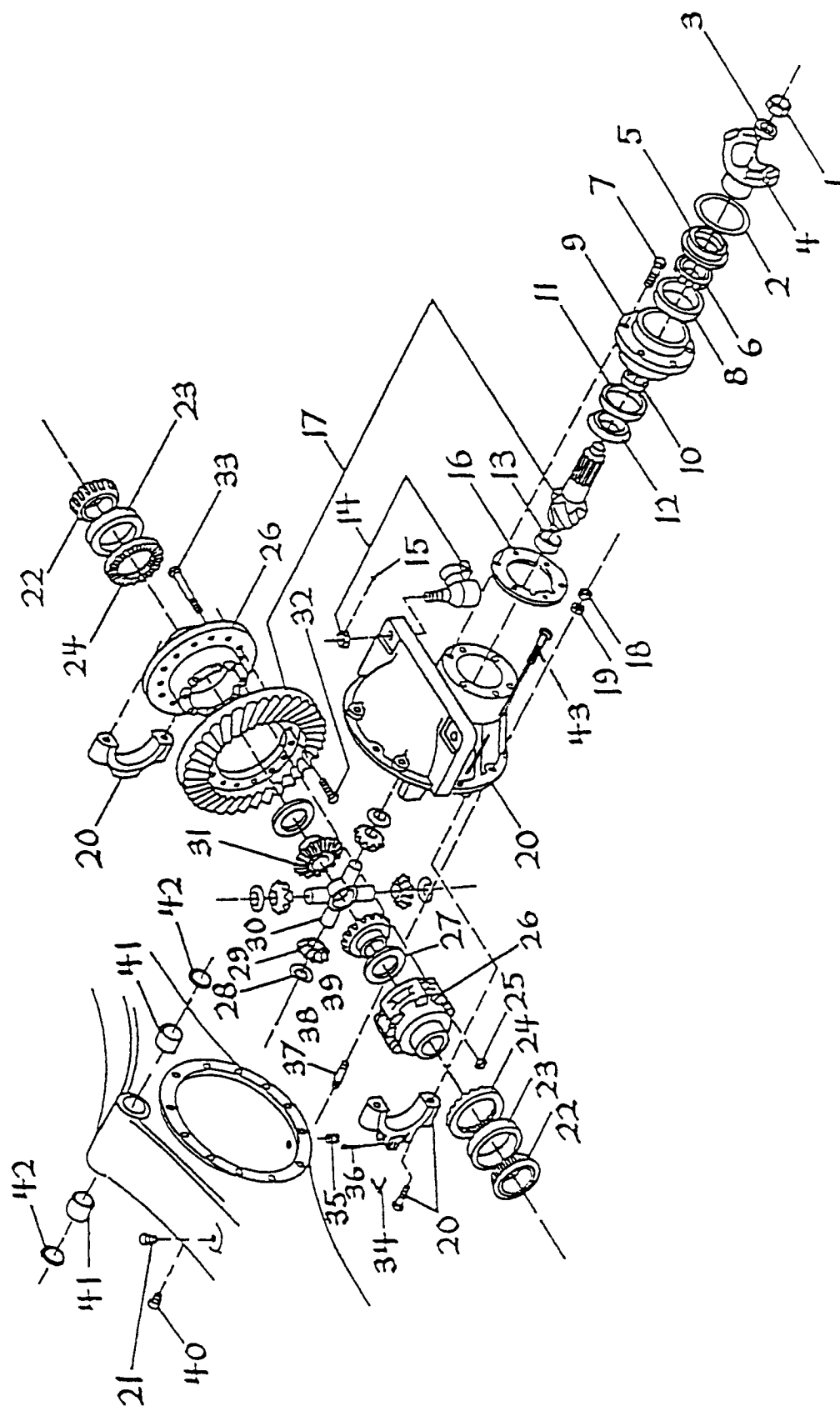
DATE: 10-16-96  
SPICER PS-1350 AXLE  
WITH DIFFERENTIAL LOCK  
7-229-337 STEERING CYLINDERS

BARAGA PRODUCTS, INC.  
455 N. Superior Ave.  
Baraga, MI 49908-0248  
Ph. (906) 353-6675 Fax (906) 353-7543

# AXLE PARTS ORDERING GUIDE

WHEN ORDERING FROM THIS BOOK USE THE  
FIGURE BELOW AS A REFERENCE IN DETERMINING  
LEFT OR RIGHT HAND SIDE. WHEN ORDERING PARTS  
FOR STEERING CYLINDERS THE OPERATOR'S COMPARTMENT  
MUST BE USED AS THE REFERENCE IN DETERMINING  
FRONT OR REAR AND LEFT OR RIGHT HAND SIDE.

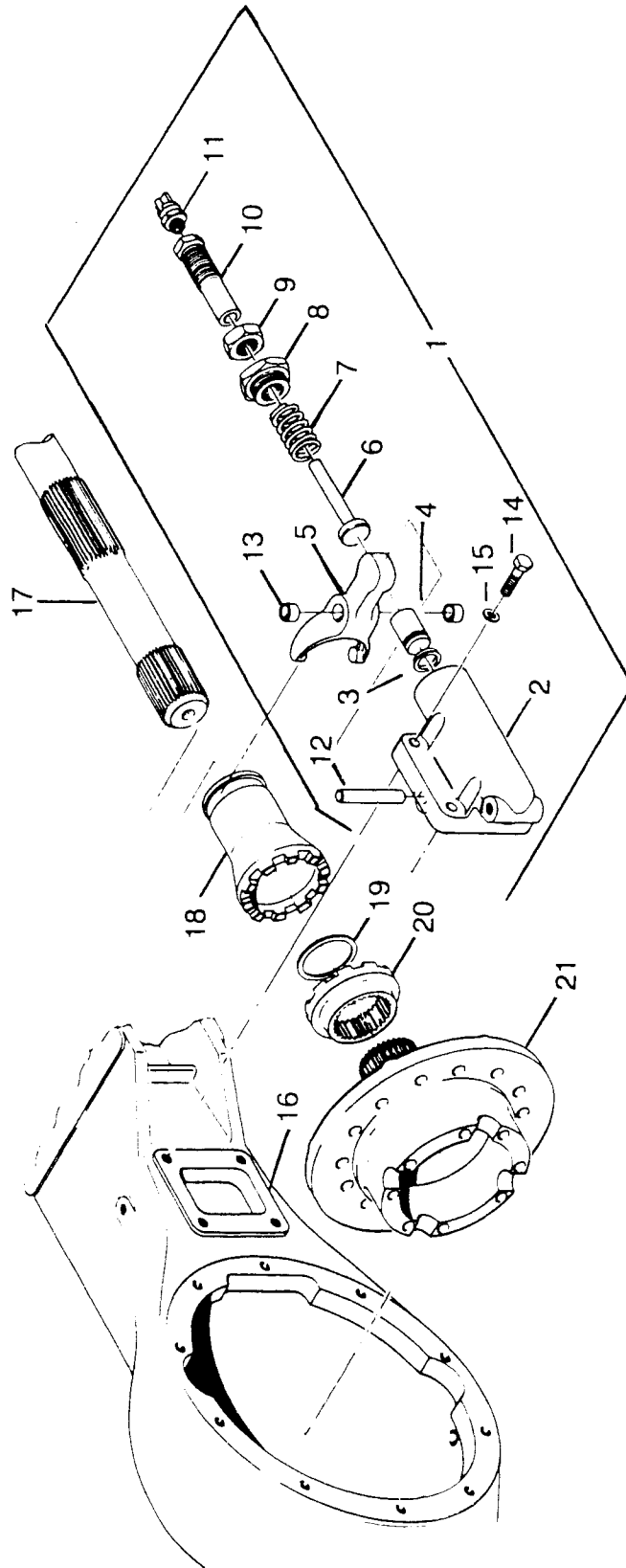




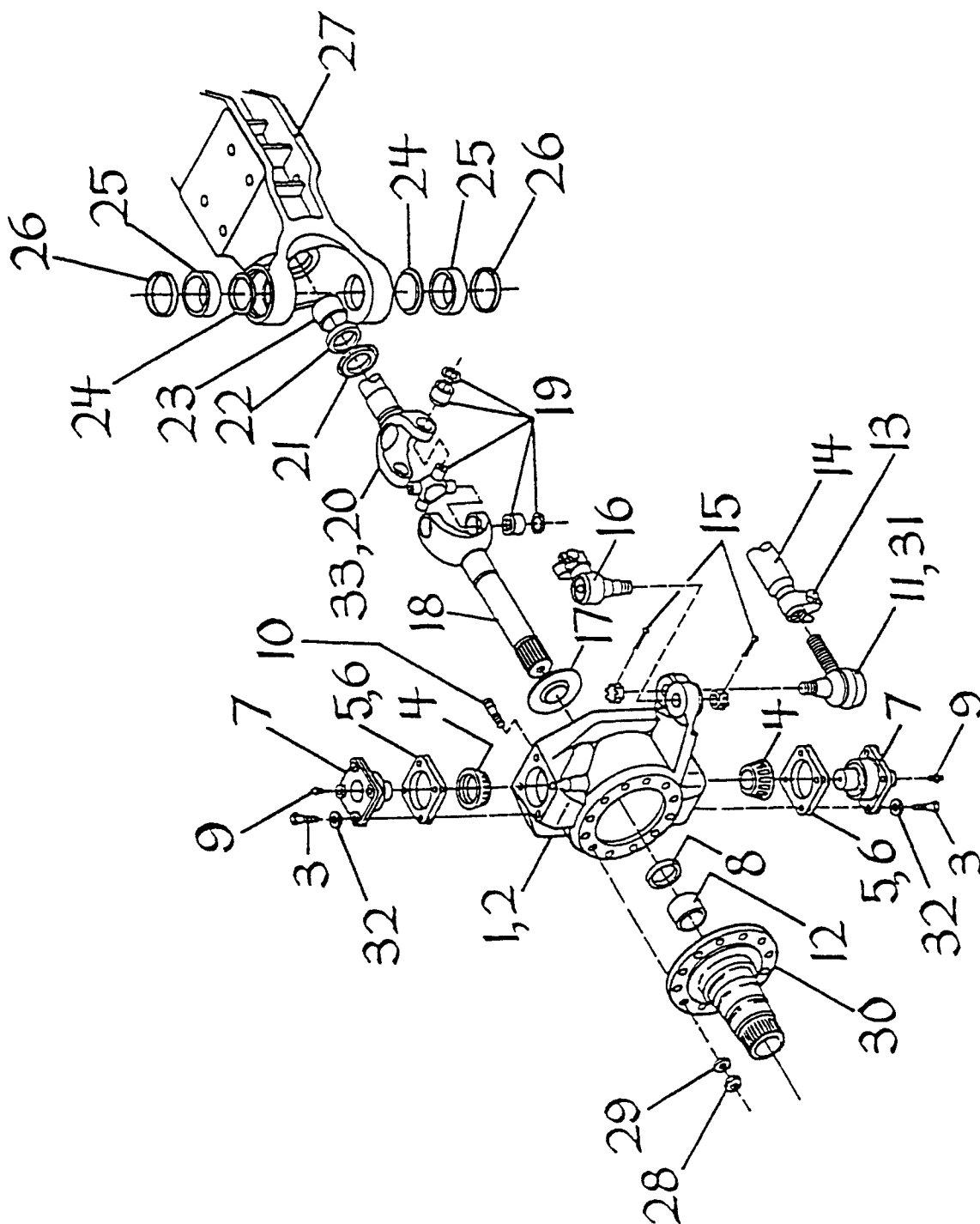
| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 7-229-238 | NUT / PINION                     | 1    |
| 2    | 7-229-239 | DUST SLINGER                     | 1    |
| 3    | 7-229-28  | WASHER / FLAT                    | 1    |
| 4    | 7-229-248 | END YOKE                         | 1    |
| 5    | 7-229-30  | SEAL                             | 1    |
| 6    | 7-229-31  | BEARING / CONE                   | 1    |
| 7    | 7-229-33  | BOLT                             | 6    |
| 8    | 7-229-34  | BEARING / CUP                    | 1    |
| 9    | 7-229-232 | CAP / BEARING RETAINER           | 1    |
| 10   | SEE TABLE | SPACER                           | 1    |
| 11   | 7-229-34  | BEARING / CUP                    | 1    |
| 12   | 7-229-31  | BEARING / CONE                   | 1    |
| 13   | 7-229-37  | BEARING ASSEMBLY                 | 1    |
| 14   | 7-229-10  | END / STEERING CYLINDER          | 2    |
| 15   | 7-229-38  | COTTER PIN                       | 2    |
| 16   | SEE TABLE | SHIM                             |      |
| 17   | 7-229-40  | RING GEAR & PINION ASSEMBLY      | 1    |
| 18   | 7-229-41  | NUT / LOCK                       | 9    |
| 19   | 7-229-42  | WASHER / FLAT                    | 10   |
| 20   | 7-229-233 | CARRIER SUB-ASSEMBLY             | 1    |
| 21   | 7-229-61  | VENT                             | 1    |
| 22   | 7-229-44  | BEARING / CONE                   | 2    |
| 23   | 7-229-43  | BEARING / CUP                    | 2    |
| 24   | 7-229-129 | ADJUSTING RING / DIFFERENTIAL    | 2    |
| 25   | 7-229-45  | NUT / LOCK                       | 8    |
| 26   | 7-229-310 | KIT / DIFFERENTIAL CASE ASSEMBLY | 1    |
| 27   | 7-229-47  | THRUST WASHER                    | 2    |
| 28   | 7-229-48  | THRUST WASHER                    | 4    |
| 29   | 7-229-49  | PINION / DIFFERENTIAL            | 4    |
| 30   | 7-229-50  | SHAFT / DIFFERENTIAL CROSS       | 1    |
| 31   | 7-229-51  | GEAR / DIFFERENTIAL              | 2    |
| 32   | 7-229-52  | RIVET / SOLID                    | 14   |
| 33   | 7-229-53  | BOLT                             | 8    |
| 34   | 7-229-240 | LOCK / BEARING ADJUSTING RING    | 2    |
| 35   | 7-229-55  | PLUG / MAGNETIC DRAIN            | 1    |
| 36   | 7-229-56  | COTTER PIN                       | 2    |
| 37   | 7-229-57  | STUD / 2.00 LG.                  | 6    |
| 38   | 7-229-58  | STUD / 2.38 LG.                  | 2    |
| 39   | 7-229-59  | STUD / 2.81 LG.                  | 2    |
| 40   | 7-229-60  | PLUG                             | 1    |
| 41   | 7-229-227 | BUSHING                          | 2    |
| 42   | 7-229-252 | OIL SEAL / AXLE PIN              | 2    |
| 43   | 7-229-332 | BOLT                             | 1    |
| 44   |           |                                  |      |
| 45   |           |                                  |      |
| 46   |           |                                  |      |
| 47   |           | SEE SPACER AND SHIM              |      |
| 48   |           | TABLE ON NEXT PAGE               |      |
| 49   |           |                                  |      |
| 50   |           |                                  |      |
| 51   |           |                                  |      |
| 52   |           |                                  |      |
| 53   |           |                                  |      |
| 54   |           |                                  |      |

| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 55   |           | SPACER TABLE (ITEM 10)            |      |
| 56   |           |                                   |      |
| 57   | 7-229-246 | SPACER / PINION BEARING .528/.527 |      |
| 58   | 7-229-247 | SPACER / PINION BEARING .529/.528 |      |
| 59   | 7-229-241 | SPACER / PINION BEARING .530/.529 |      |
| 60   | 7-229-120 | SPACER / PINION BEARING .531/.530 |      |
| 61   | 7-229-242 | SPACER / PINION BEARING .532/.531 |      |
| 62   | 7-229-243 | SPACER / PINION BEARING .533/.532 |      |
| 63   | 7-229-244 | SPACER / PINION BEARING .534/.533 |      |
| 64   | 7-229-245 | SPACER / PINION BEARING .535/.534 |      |
| 65   |           |                                   |      |
| 66   |           | SHIM TABLE (ITEM 16)              |      |
| 67   |           |                                   |      |
| 68   | 7-229-124 | SHIM / PINION BEARING .005        |      |
| 69   | 7-229-39  | SHIM / PINION BEARING .010        |      |
| 70   | 7-229-123 | SHIM / PINION BEARING .030        |      |

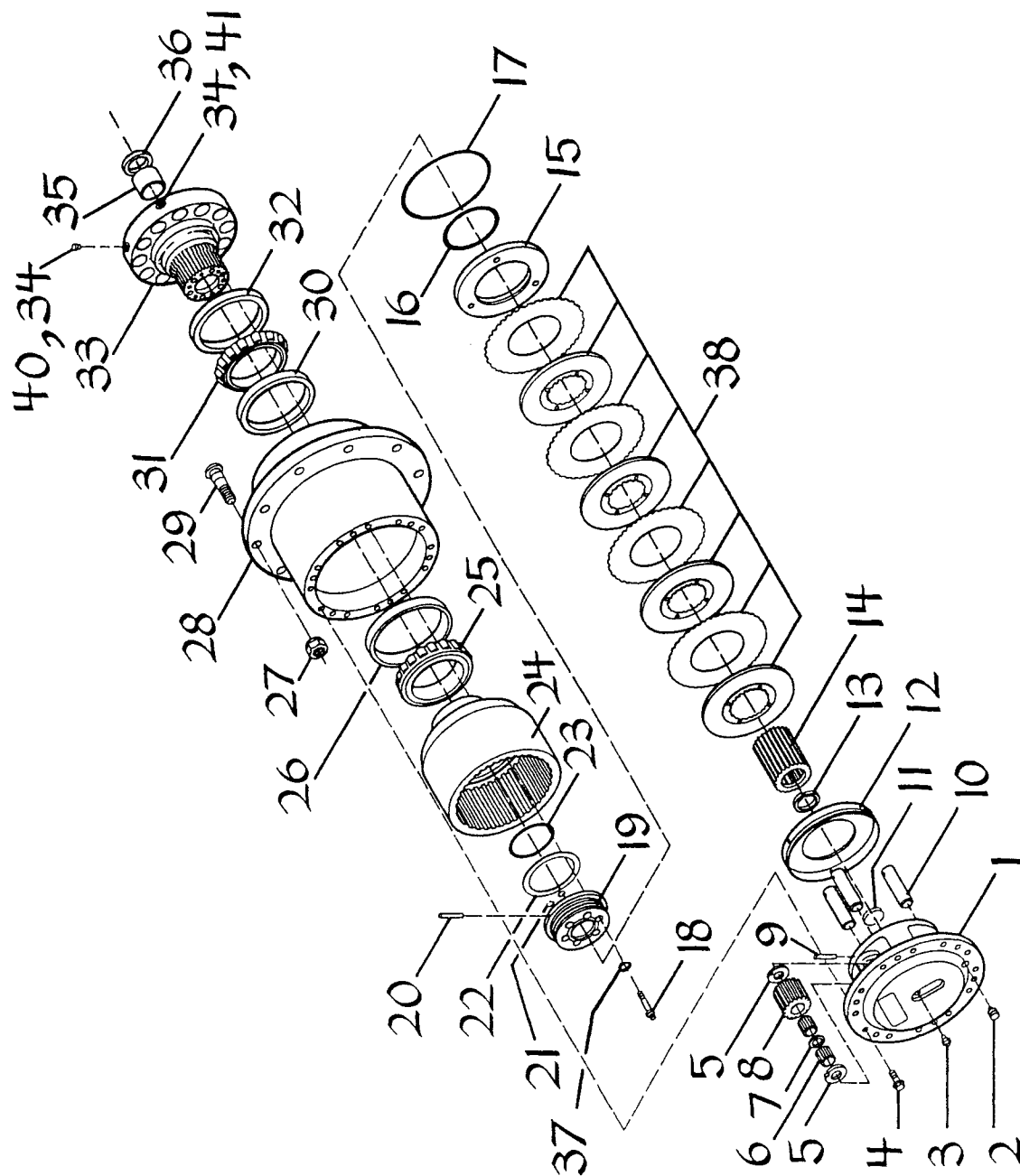
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| ---- | -----     | -----                           | ---- |
| 1    | 7-229-312 | SHIFTER ASSEMBLY (ITEMS WITH *) | REF  |
| 2    | 7-229-313 | SHIFTER HOUSING *               | 1    |
| 3    | 7-229-314 | SEAL *                          | 1    |
| 4    | 7-229-315 | PISTON *                        | 1    |
| 5    | 7-229-316 | SHIFT FORK *                    | 1    |
| 6    | 7-229-317 | ROD *                           | 1    |
| 7    | 7-229-318 | SPRING *                        | 1    |
| 8    | 7-229-319 | RETAINER *                      | 1    |
| 9    | 7-229-320 | NUT *                           | 1    |
| 10   | 7-229-321 | SCREW *                         | 1    |
| 11   | 7-229-322 | INDICATOR SWITCH *              | 1    |
| 12   | 7-229-323 | SHAFT *                         | 1    |
| 13   | 7-229-324 | BUSHING *                       | 2    |
| 14   | 7-229-325 | BOLT                            | 4    |
| 15   | 7-229-326 | WASHER                          | 4    |
| 16   | -----     | GASKET SEALER                   | REF  |
| 17   | 7-229-328 | LH SHAFT / INNER                | REF  |
| 18   | 7-229-329 | COLLAR                          | 1    |
| 19   | 7-229-330 | RING / RETAINING                | 1    |
| 20   | 7-229-331 | COLLAR                          | 1    |
| 21   | 7-229-310 | DIFFERENTIAL CASE ASSEMBLY      | REF  |

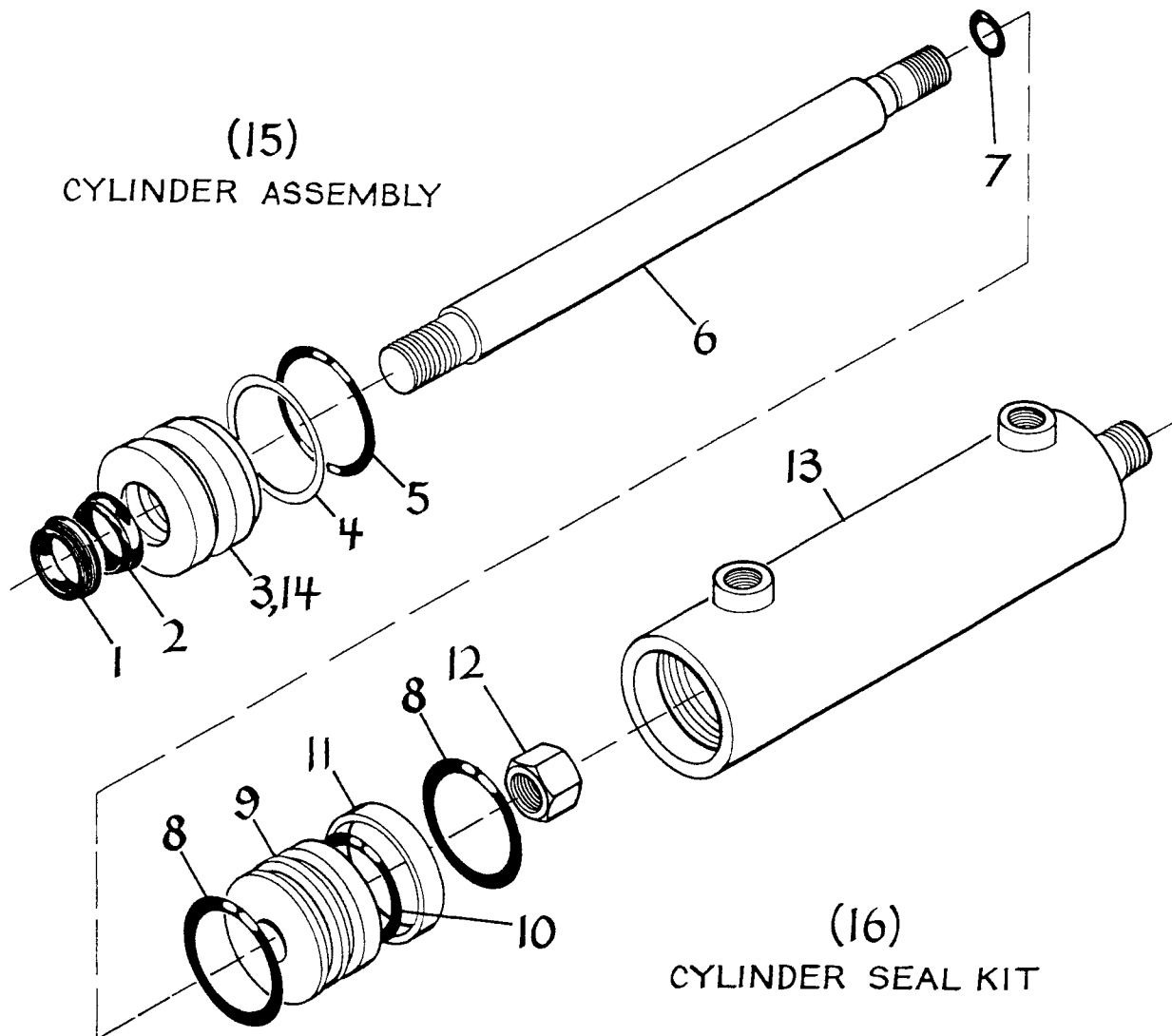


| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-229-260 | KNUCKLE / STEERING / RH      | 1    |
| 2    | 7-229-259 | KNUCKLE / STEERING / LH      | 1    |
| 3    | 7-229-228 | CAPSCREW 1/2                 | 16   |
| 4    | 7-229-19  | BEARING CONE / TRUNION       | 4    |
| 5    | 7-229-65  | SHIM / KING PIN /.005        |      |
| 6    | 7-229-66  | SHIM / KING PIN /.010        |      |
| 7    | 7-229-67  | CAP / KING PIN               | 4    |
| 8    | 7-229-25  | SEAL / SPINDLE               | 2    |
| 9    | 7-229-69  | FITTING / GREASE             | 4    |
| 10   | 7-229-258 | STUD / SPINDLE MOUNTING      | 24   |
| 11   | 7-229-26  | TIE ROD END / 1 1/8-16 THD.  | 1    |
| 12   | 7-229-24  | SPINDLE BUSHING              | 2    |
| 13   | 7-229-71  | CLAMP / TIE ROD              | 2    |
| 14   | 7-229-284 | TIE ROD                      | 1    |
| 15   | 7-229-38  | COTTER PIN                   | 4    |
| 16   | 7-229-10  | END / STEERING CYLINDER      | 2    |
| 17   | 7-229-12  | DUST SLINGER / AXLE SHAFT    | 2    |
| 18   | 7-229-73  | SHAFT                        | 2    |
| 19   | 7-229-333 | CROSS ASSEMBLY / U-JOINT     | 2    |
| 20   | 7-229-78  | RH SHAFT / INNER             | 1    |
| 21   | 7-229-13  | DUST SLINGER / AXLE SHAFT    | 2    |
| 22   | 7-229-15  | SEAL / AXLE SHAFT            | 2    |
| 23   | 7-229-14  | SUPPORT BUSHING / AXLE SHAFT | 2    |
| 24   | 7-229-16  | GREASE RETAINER / TRUNION    | 4    |
| 25   | 7-229-17  | BEARING CUP / TRUNION        | 4    |
| 26   | 7-229-18  | SEAL / TRUNION               | 4    |
| 27   | 7-229-311 | HOUSING ASSEMBLY / AXLE      | 1    |
| 28   | 7-229-75  | NUT / LOCK                   | 24   |
| 29   | 7-229-76  | WASHER / FLAT                | 24   |
| 30   | 7-229-281 | SPINDLE                      | 2    |
| 31   | 7-229-304 | TIE ROD END / 1 1/8-12 THD.  | 1    |
| 32   | 7-229-173 | WASHER / FLAT                | 16   |
| 33   | 7-229-328 | LH SHAFT / INNER             | 1    |



| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-229-79  | FLANGE / DRIVE PLANETARY       | 2    |
| 2    | 7-229-55  | PLUG / MAGNETIC DRAIN          | 2    |
| 3    | 7-229-279 | VENT                           | 2    |
| 4    | 7-229-268 | SCREW / HEX SELF-LOCKING       | 36   |
| 5    | 7-229-82  | WASHER / KEYED                 | 12   |
| 6    | 7-229-83  | BEARING / NEEDLE ROLLER        | 300  |
| 7    | 7-229-84  | WASHER / PLANET GEAR           | 6    |
| 8    | 7-229-85  | GEAR / SPUR PLANET             | 6    |
| 9    | 7-229-86  | ROLL PIN                       | 6    |
| 10   | 7-229-87  | SHAFT / PLANET GEAR            | 6    |
| 11   | 7-229-88  | WASHER / DRIVE FLANGE          | 2    |
| 12   | 7-229-89  | PLATE / LINING STOP            | 2    |
| 13   | 7-229-90  | SNAP RING                      | 2    |
| 14   | 7-229-91  | GEAR / SPUR                    | 2    |
| 15   | 7-229-92  | PISTON                         | 2    |
| 16   | 7-229-93  | O-RING                         | 2    |
| 17   | 7-229-94  | O-RING                         | 2    |
| 18   | 7-229-266 | SCREW / 12 POINT CAP           | 12   |
| 19   | 7-229-271 | RETAINER / BEARING ADJ.RING    | 2    |
| 20   | 7-229-97  | BRAKE TUBING                   | 2    |
| 21   | 7-229-98  | O-RING                         | 4    |
| 22   | SEE TABLE | SHIM / ADJUSTING               |      |
| 23   | 7-229-100 | O-RING                         | 2    |
| 24   | 7-229-101 | GEAR / PLANETARY RING          | 2    |
| 25   | 7-229-102 | BEARING / CONE                 | 2    |
| 26   | 7-229-103 | BEARING / CUP                  | 2    |
| 27   | 7-229-104 | NUT / 3/4-16 RH THD.           | 20   |
| 28   | 7-229-278 | HUB / PLANETARY                | 2    |
| 29   | 7-229-106 | BOLT / WHEEL MOUNTING          | 20   |
| 30   | 7-229-107 | BEARING / CUP                  | 2    |
| 31   | 7-229-108 | BEARING / CONE                 | 2    |
| 32   | 7-229-221 | SEAL / OIL                     | 2    |
| 33   | 7-229-281 | SPINDLE (2)                    | REF  |
| 34   | 7-229-110 | SEAT / INSERT                  | 4    |
| 35   | 7-229-24  | SPINDLE BUSHING (2)            | REF  |
| 36   | 7-229-25  | SEAL / SPINDLE (2)             | REF  |
| 37   | 7-229-267 | FLATWASHER / HARDENED / 1/2    | 12   |
| 38   | 7-229-350 | BRAKE PLATE & DISC KIT         | REF  |
| 39   | 7-229-23  | O-RING KIT (ITEMS 16,17,21,23) | REF  |
| 40   | 7-229-111 | BLEEDER                        | 2    |
| 41   | 7-229-112 | FITTING                        | 2    |
| 42   |           |                                |      |
| 43   |           | SHIM TABLE (ITEM 22)           |      |
| 44   |           | -----                          |      |
| 45   | 7-229-126 | SHIM / ADJUSTING / .010        |      |
| 46   | 7-229-273 | SHIM / ADJUSTING / .011        |      |
| 47   | 7-229-274 | SHIM / ADJUSTING / .012        |      |
| 48   | 7-229-275 | SHIM / ADJUSTING / .013        |      |
| 49   | 7-229-276 | SHIM / ADJUSTING / .014        |      |
| 50   | 7-229-272 | SHIM / ADJUSTING / .015        |      |
| 51   | 7-229-127 | SHIM / ADJUSTING / .020        |      |
| 52   | 7-229-128 | SHIM / ADJUSTING / .030        |      |

(15)  
CYLINDER ASSEMBLY



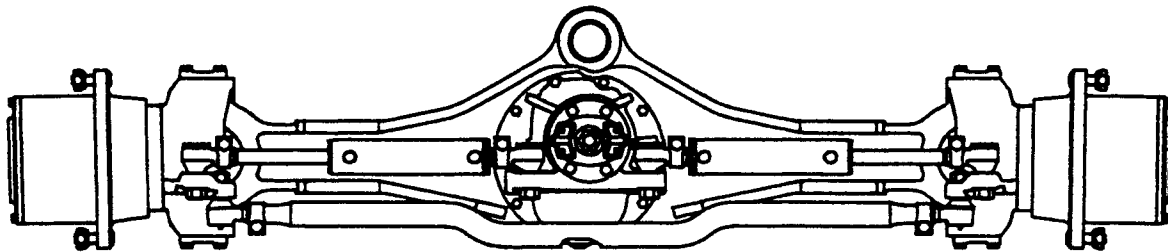
(16)  
CYLINDER SEAL KIT

| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | -----     | ROD WIPER                       | 1    |
| 2    | -----     | ROD U-CUP                       | 1    |
| 3    | -----     | HEAD                            | 1    |
| 4    | -----     | BACK-UP RING                    | 1    |
| 5    | -----     | O-RING                          | 1    |
| 6    | 7-229-351 | ROD                             | 1    |
| 7    | -----     | O-RING                          | 1    |
| 8    | -----     | WEAR RING                       | 2    |
| 9    | -----     | PISTON                          | 1    |
| 10   | -----     | EXPANDER                        | 1    |
| 11   | -----     | PISTON SEAL                     | 1    |
| 12   | -----     | LOCKNUT                         | 1    |
| 13   | -----     | BARREL ASSEMBLY                 | 1    |
| 14   | -----     | RETAINING WIRE                  | 1    |
| 15   | 7-229-337 | CYLINDER ASSY (ITEMS 1 THRU 14) | REF  |
| 16   | 7-229-349 | SEAL KIT (1,2,4,5,7,8,10,11,14) | REF  |

## 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.

# REAR AXLE PARTS BOOK SS-1048

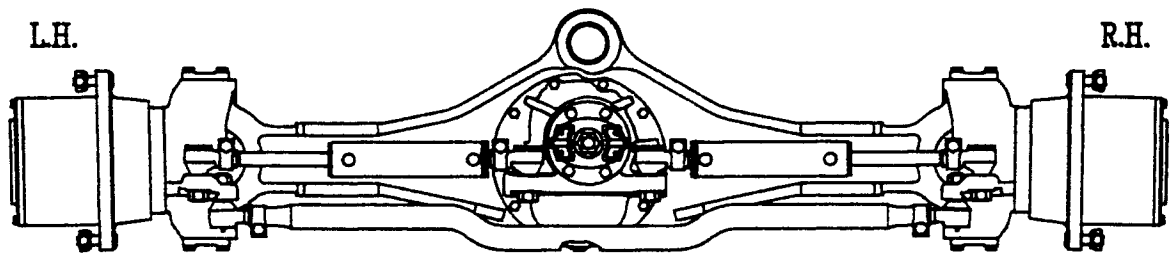


DATE: 10-10-96  
SPICER PS-1350 AXLE  
7-229-337 STEERING CYLINDERS

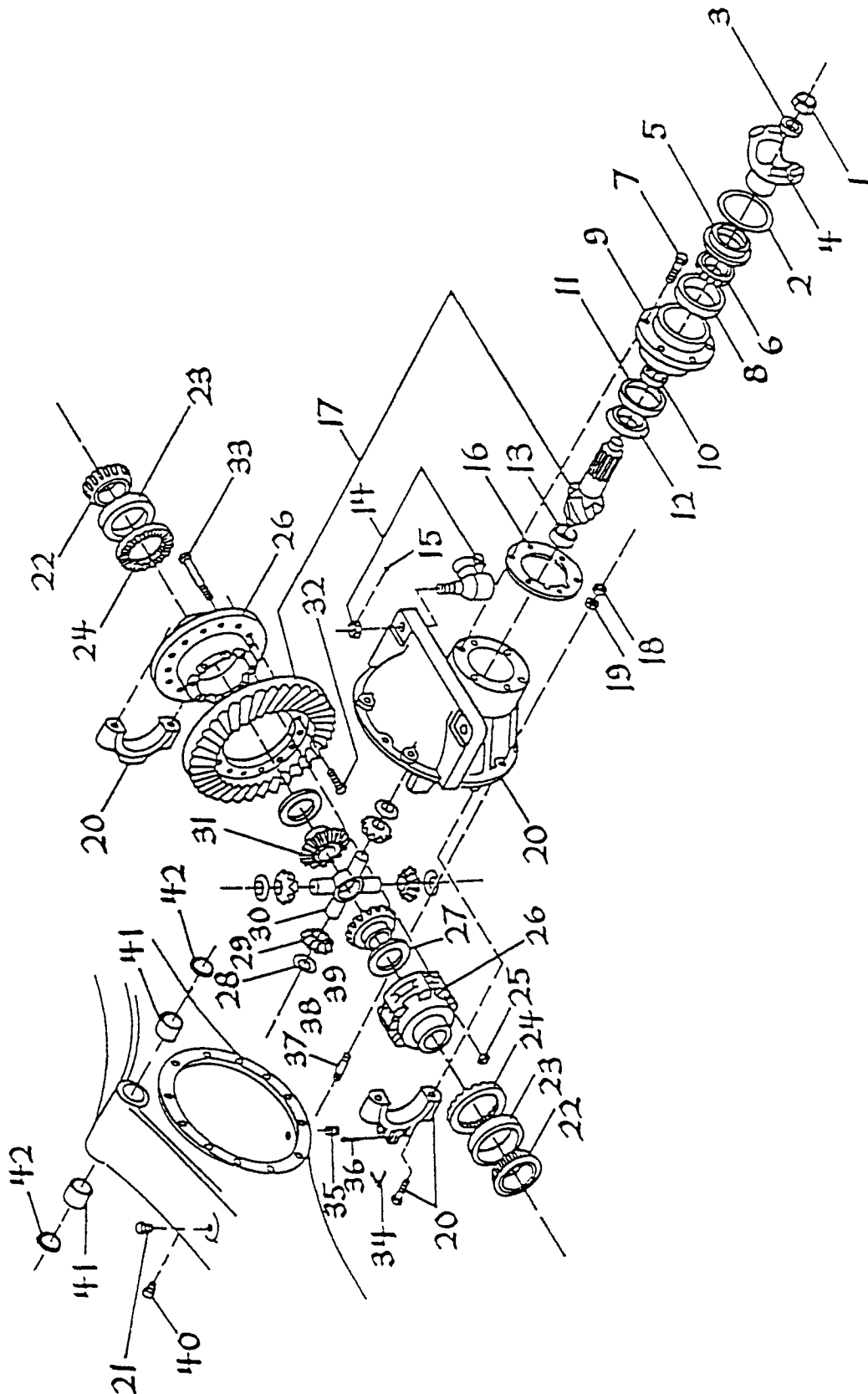
BARAGA PRODUCTS, INC.  
455 N. Superior Ave.  
Baraga, MI 49908-0248  
Ph. (906) 353-6675 Fax (906) 353-7543

# AXLE PARTS ORDERING GUIDE

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



LOOKING STRAIGHT AT AXLE END YOKE

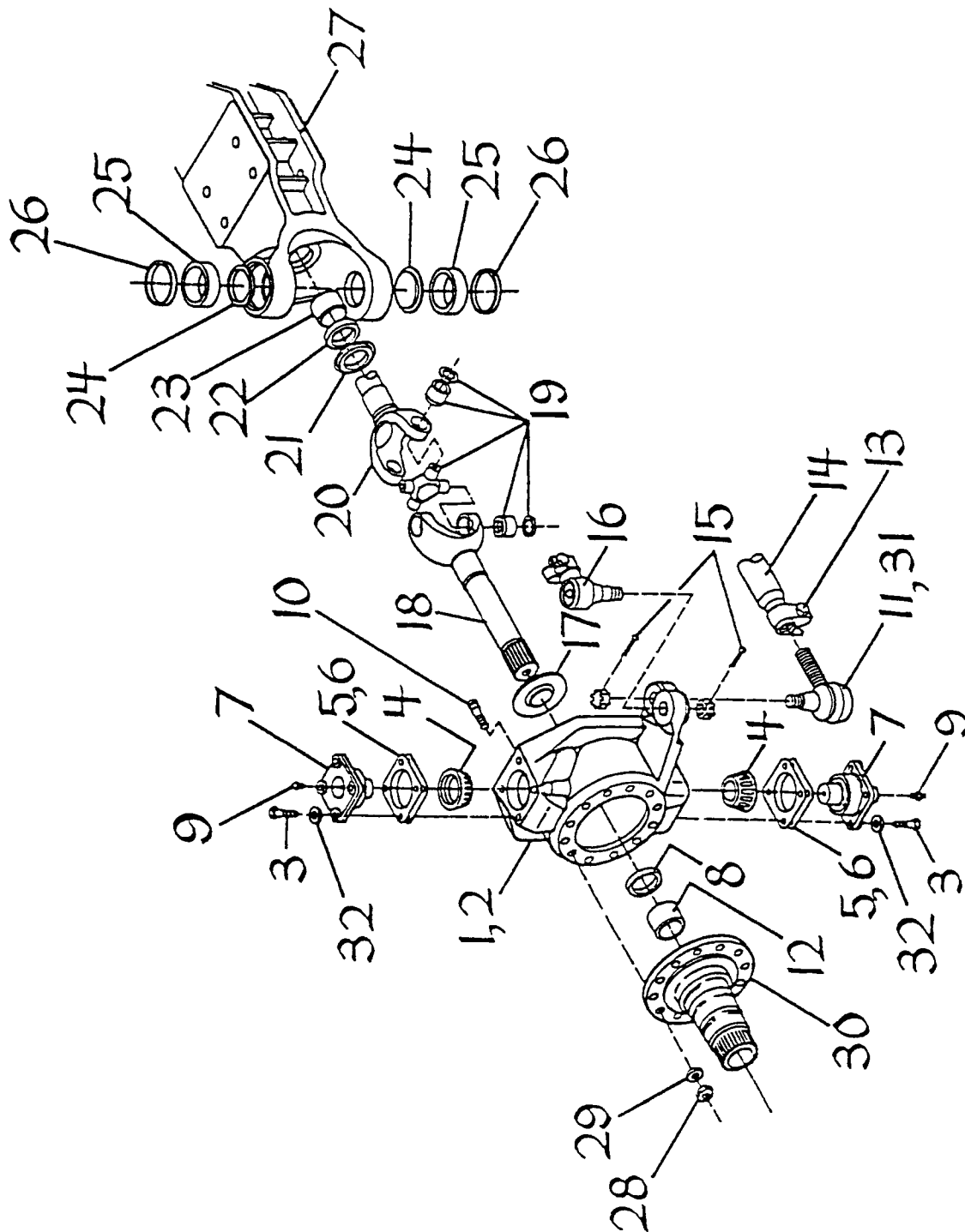


| ITEM | NUMBER    | DESCRIPTION                      | REQD |
|------|-----------|----------------------------------|------|
| 1    | 7-229-238 | NUT / PINION                     | 1    |
| 2    | 7-229-239 | DUST SLINGER                     | 1    |
| 3    | 7-229-28  | WASHER / FLAT                    | 1    |
| 4    | 7-229-248 | END YOKE                         | 1    |
| 5    | 7-229-30  | SEAL                             | 1    |
| 6    | 7-229-31  | BEARING / CONE                   | 1    |
| 7    | 7-229-33  | BOLT                             | 6    |
| 8    | 7-229-34  | BEARING / CUP                    | 1    |
| 9    | 7-229-232 | CAP / BEARING RETAINER           | 1    |
| 10   | SEE TABLE | SPACER                           | 1    |
| 11   | 7-229-34  | BEARING / CUP                    | 1    |
| 12   | 7-229-31  | BEARING / CONE                   | 1    |
| 13   | 7-229-37  | BEARING ASSEMBLY                 | 1    |
| 14   | 7-229-10  | END / STEERING CYLINDER          | 2    |
| 15   | 7-229-38  | COTTER PIN                       | 2    |
| 16   | SEE TABLE | SHIM                             |      |
| 17   | 7-229-40  | RING GEAR & PINION ASSEMBLY      | 1    |
| 18   | 7-229-41  | NUT / LOCK                       | 10   |
| 19   | 7-229-42  | WASHER / FLAT                    | 10   |
| 20   | 7-229-233 | CARRIER SUB-ASSEMBLY             | 1    |
| 21   | 7-229-61  | VENT                             | 1    |
| 22   | 7-229-44  | BEARING / CONE                   | 2    |
| 23   | 7-229-43  | BEARING / CUP                    | 2    |
| 24   | 7-229-129 | ADJUSTING RING / DIFFERENTIAL    | 2    |
| 25   | 7-229-45  | NUT / LOCK                       | 8    |
| 26   | 7-229-235 | KIT / DIFFERENTIAL CASE ASSEMBLY | 1    |
| 27   | 7-229-47  | THRUST WASHER                    | 2    |
| 28   | 7-229-48  | THRUST WASHER                    | 4    |
| 29   | 7-229-49  | PINION / DIFFERENTIAL            | 4    |
| 30   | 7-229-50  | SHAFT / DIFFERENTIAL CROSS       | 1    |
| 31   | 7-229-51  | GEAR / DIFFERENTIAL              | 2    |
| 32   | 7-229-52  | RIVET / SOLID                    | 14   |
| 33   | 7-229-53  | BOLT                             | 8    |
| 34   | 7-229-240 | LOCK / BEARING ADJUSTING RING    | 2    |
| 35   | 7-229-55  | PLUG / MAGNETIC DRAIN            | 1    |
| 36   | 7-229-56  | COTTER PIN                       | 2    |
| 37   | 7-229-57  | STUD / 2.00 LG.                  | 6    |
| 38   | 7-229-58  | STUD / 2.38 LG.                  | 2    |
| 39   | 7-229-59  | STUD / 2.81 LG.                  | 2    |
| 40   | 7-229-60  | PLUG                             | 1    |
| 41   | 7-229-227 | BUSHING                          | 2    |
| 42   | 7-229-252 | OIL SEAL / AXLE PIN              | 2    |
| 43   |           |                                  |      |
| 44   |           |                                  |      |
| 45   |           |                                  |      |
| 46   |           |                                  |      |
| 47   |           | SEE SPACER AND SHIM              |      |
| 48   |           | TABLE ON NEXT PAGE               |      |
| 49   |           |                                  |      |
| 50   |           |                                  |      |
| 51   |           |                                  |      |
| 52   |           |                                  |      |
| 53   |           |                                  |      |
| 54   |           |                                  |      |

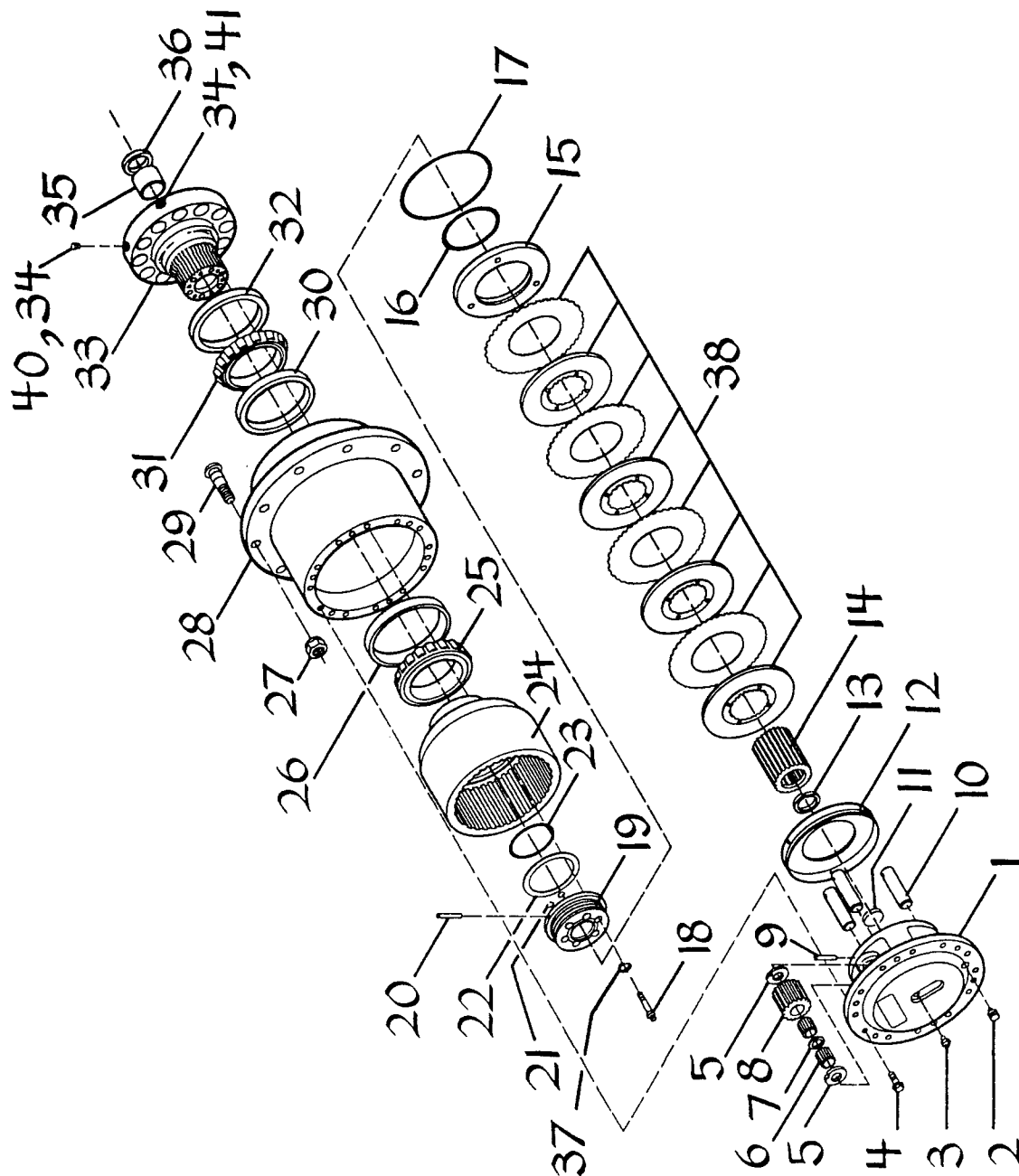
| ITEM | NUMBER    | DESCRIPTION                       | REQD |
|------|-----------|-----------------------------------|------|
| 55   |           | SPACER TABLE (ITEM 10)            |      |
| 56   |           |                                   |      |
| 57   | 7-229-246 | SPACER / PINION BEARING .528/.527 |      |
| 58   | 7-229-247 | SPACER / PINION BEARING .529/.528 |      |
| 59   | 7-229-241 | SPACER / PINION BEARING .530/.529 |      |
| 60   | 7-229-120 | SPACER / PINION BEARING .531/.530 |      |
| 61   | 7-229-242 | SPACER / PINION BEARING .532/.531 |      |
| 62   | 7-229-243 | SPACER / PINION BEARING .533/.532 |      |
| 63   | 7-229-244 | SPACER / PINION BEARING .534/.533 |      |
| 64   | 7-229-245 | SPACER / PINION BEARING .535/.534 |      |
| 65   |           |                                   |      |
| 66   |           | SHIM TABLE (ITEM 16)              |      |
| 67   |           |                                   |      |
| 68   | 7-229-124 | SHIM / PINION BEARING .005        |      |
| 69   | 7-229-39  | SHIM / PINION BEARING .010        |      |
| 70   | 7-229-123 | SHIM / PINION BEARING .030        |      |

## NOTES

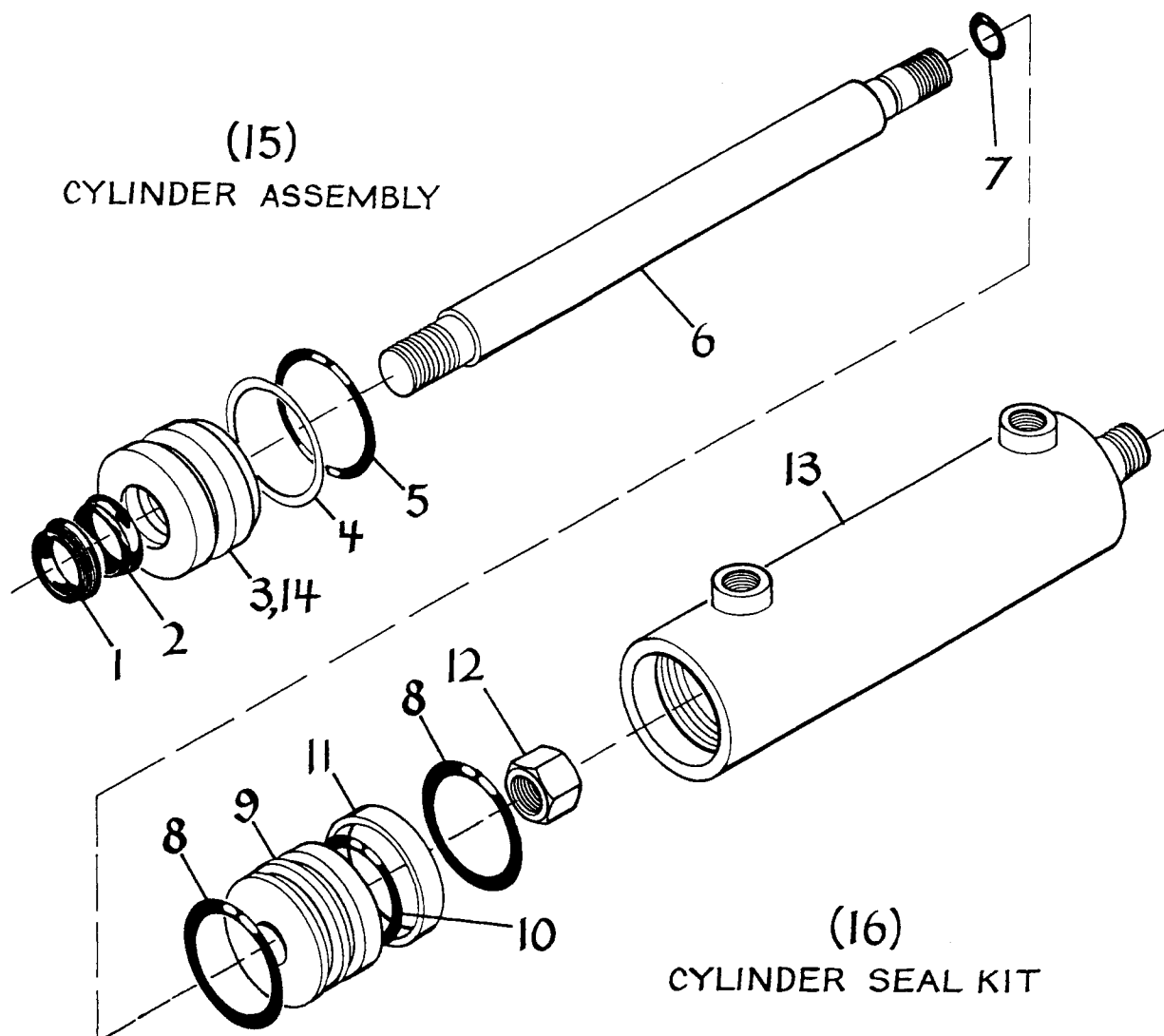
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| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-229-260 | KNUCKLE / STEERING / RH      | 1    |
| 2    | 7-229-259 | KNUCKLE / STEERING / LH      | 1    |
| 3    | 7-229-228 | CAPSCREW 1/2                 | 16   |
| 4    | 7-229-19  | BEARING CONE / TRUNION       | 4    |
| 5    | 7-229-65  | SHIM / KING PIN /.005        |      |
| 6    | 7-229-66  | SHIM / KING PIN /.010        |      |
| 7    | 7-229-67  | CAP / KING PIN               | 4    |
| 8    | 7-229-25  | SEAL / SPINDLE               | 2    |
| 9    | 7-229-69  | FITTING / GREASE             | 4    |
| 10   | 7-229-258 | STUD / SPINDLE MOUNTING      | 24   |
| 11   | 7-229-26  | TIE ROD END / 1 1/8-16 THD.  | 1    |
| 12   | 7-229-24  | SPINDLE BUSHING              | 2    |
| 13   | 7-229-71  | CLAMP / TIE ROD              | 2    |
| 14   | 7-229-284 | TIE ROD                      | 1    |
| 15   | 7-229-38  | COTTER PIN                   | 4    |
| 16   | 7-229-10  | END / STEERING CYLINDER      | 2    |
| 17   | 7-229-12  | DUST SLINGER / AXLE SHAFT    | 2    |
| 18   | 7-229-73  | SHAFT                        | 2    |
| 19   | 7-229-333 | CROSS ASSEMBLY / U-JOINT     | 2    |
| 20   | 7-229-78  | SHAFT / INNER                | 2    |
| 21   | 7-229-13  | DUST SLINGER / AXLE SHAFT    | 2    |
| 22   | 7-229-15  | SEAL / AXLE SHAFT            | 2    |
| 23   | 7-229-14  | SUPPORT BUSHING / AXLE SHAFT | 2    |
| 24   | 7-229-16  | GREASE RETAINER / TRUNION    | 4    |
| 25   | 7-229-17  | BEARING CUP / TRUNION        | 4    |
| 26   | 7-229-18  | SEAL / TRUNION               | 4    |
| 27   | 7-229-249 | HOUSING ASSEMBLY / AXLE      | 1    |
| 28   | 7-229-75  | NUT / LOCK                   | 24   |
| 29   | 7-229-76  | WASHER / FLAT                | 24   |
| 30   | 7-229-281 | SPINDLE                      | 2    |
| 31   | 7-229-304 | TIE ROD END / 1 1/8-12 THD.  | 1    |
| 32   | 7-229-173 | WASHER / FLAT                | 16   |



| ITEM | NUMBER    | DESCRIPTION                    | REQD |
|------|-----------|--------------------------------|------|
| 1    | 7-229-79  | FLANGE / DRIVE PLANETARY       | 2    |
| 2    | 7-229-55  | PLUG / MAGNETIC DRAIN          | 2    |
| 3    | 7-229-279 | VENT                           | 2    |
| 4    | 7-229-268 | SCREW / HEX SELF-LOCKING       | 36   |
| 5    | 7-229-82  | WASHER / KEYED                 | 12   |
| 6    | 7-229-83  | BEARING / NEEDLE ROLLER        | 300  |
| 7    | 7-229-84  | WASHER / PLANET GEAR           | 6    |
| 8    | 7-229-85  | GEAR / SPUR PLANET             | 6    |
| 9    | 7-229-86  | ROLL PIN                       | 6    |
| 10   | 7-229-87  | SHAFT / PLANET GEAR            | 6    |
| 11   | 7-229-88  | WASHER / DRIVE FLANGE          | 2    |
| 12   | 7-229-89  | PLATE / LINING STOP            | 2    |
| 13   | 7-229-90  | SNAP RING                      | 2    |
| 14   | 7-229-91  | GEAR / SPUR                    | 2    |
| 15   | 7-229-92  | PISTON                         | 2    |
| 16   | 7-229-93  | O-RING                         | 2    |
| 17   | 7-229-94  | O-RING                         | 2    |
| 18   | 7-229-266 | SCREW / 12 POINT CAP           | 12   |
| 19   | 7-229-271 | RETAINER / BEARING ADJ.RING    | 2    |
| 20   | 7-229-97  | BRAKE TUBING                   | 2    |
| 21   | 7-229-98  | O-RING                         | 4    |
| 22   | SEE TABLE | SHIM / ADJUSTING               |      |
| 23   | 7-229-100 | O-RING                         | 2    |
| 24   | 7-229-101 | GEAR / PLANETARY RING          | 2    |
| 25   | 7-229-102 | BEARING / CONE                 | 2    |
| 26   | 7-229-103 | BEARING / CUP                  | 2    |
| 27   | 7-229-104 | NUT / 3/4-16 RH THD.           | 20   |
| 28   | 7-229-278 | HUB / PLANETARY                | 2    |
| 29   | 7-229-106 | BOLT / WHEEL MOUNTING          | 20   |
| 30   | 7-229-107 | BEARING / CUP                  | 2    |
| 31   | 7-229-108 | BEARING / CONE                 | 2    |
| 32   | 7-229-221 | SEAL / OIL                     | 2    |
| 33   | 7-229-281 | SPINDLE (2)                    | REF  |
| 34   | 7-229-110 | SEAT / INSERT                  | 4    |
| 35   | 7-229-24  | SPINDLE BUSHING (2)            | REF  |
| 36   | 7-229-25  | SEAL / SPINDLE (2)             | REF  |
| 37   | 7-229-267 | FLATWASHER / HARDENED / 1/2    | 12   |
| 38   | 7-229-350 | BRAKE PLATE & DISC KIT         | REF  |
| 39   | 7-229-23  | O-RING KIT (ITEMS 16,17,21,23) | REF  |
| 40   | 7-229-111 | BLEEDER                        | 2    |
| 41   | 7-229-112 | FITTING                        | 2    |
| 42   |           |                                |      |
| 43   |           | SHIM TABLE (ITEM 22)           |      |
| 44   |           | -----                          |      |
| 45   | 7-229-126 | SHIM / ADJUSTING / .010        |      |
| 46   | 7-229-273 | SHIM / ADJUSTING / .011        |      |
| 47   | 7-229-274 | SHIM / ADJUSTING / .012        |      |
| 48   | 7-229-275 | SHIM / ADJUSTING / .013        |      |
| 49   | 7-229-276 | SHIM / ADJUSTING / .014        |      |
| 50   | 7-229-272 | SHIM / ADJUSTING / .015        |      |
| 51   | 7-229-127 | SHIM / ADJUSTING / .020        |      |
| 52   | 7-229-128 | SHIM / ADJUSTING / .030        |      |



| ITEM | NUMBER    | DESCRIPTION                     | REQD |
|------|-----------|---------------------------------|------|
| 1    | -----     | ROD WIPER                       | 1    |
| 2    | -----     | ROD U-CUP                       | 1    |
| 3    | -----     | HEAD                            | 1    |
| 4    | -----     | BACK-UP RING                    | 1    |
| 5    | -----     | O-RING                          | 1    |
| 6    | 7-229-351 | ROD                             | 1    |
| 7    | -----     | O-RING                          | 1    |
| 8    | -----     | WEAR RING                       | 2    |
| 9    | -----     | PISTON                          | 1    |
| 10   | -----     | EXPANDER                        | 1    |
| 11   | -----     | PISTON SEAL                     | 1    |
| 12   | -----     | LOCKNUT                         | 1    |
| 13   | -----     | BARREL ASSEMBLY                 | 1    |
| 14   | -----     | RETAINING WIRE                  | 1    |
| 15   | 7-229-337 | CYLINDER ASSY (ITEMS 1 THRU 14) | REF  |
| 16   | 7-229-349 | SEAL KIT (1,2,4,5,7,8,10,11,14) | 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.