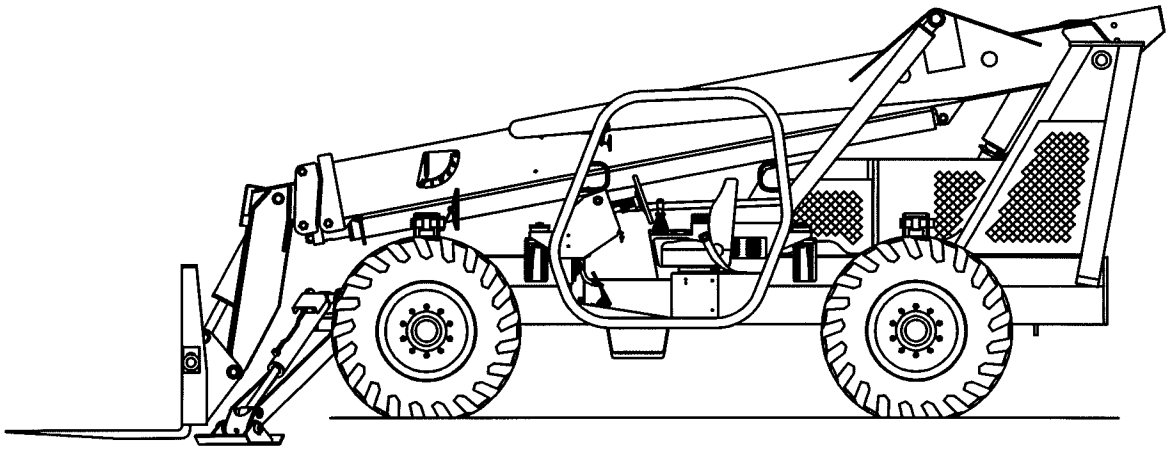
234910

PARTS BOOK
TH1048C



DATE: 11-14-03

JOHN DEERE TIER II 4045 TURBO ENGINE

DANA 213 AXLES

CLARK T20000 TRANSMISSION

REMOTE MOUNTED SAF-T-CAB II

REXROTH HYDRAULIC PUMP

VOAC MAIN VALVE

VOAC 4-WAY CONTROLLER

Serial Number:_____

TEREX HANDLERS
455 N. Superior Ave., Baraga, MI 49908-0790
PH: (906) 353-6675; FAX: (906) 353-7543
INTERNET: http://www.terex.com

INDEX / STANDARD EQUIPMENT

TH1048C

PAGE	DESCRIPTION	DRAWING
1	SEAL KITS / TH1048C	P1-1864
2	LUBE CHART	P1-1575
3	FILTER GUIDE	P1-1751
4	DECALS	P1-1880
5	GENERAL ASSEMBLY	P1-1737
6	OPERATOR'S COMPARTMENT ASSEMBLY	P1-1917
7	POWER TRAIN ASSEMBLY	P1-1881
8	ENGINE and PUMP ASSY / JD-4045T	P1-1761
9	BOOM ASSEMBLY	P4-2217
10	STABILIZER ASSEMBLY	P1-1488
11	FOOT BRAKE ASSEMBLY	P1-1533
12	ACCELERATOR ASSY / 7-180-01 PEDAL / JD-4045T	P1-1882
13	ENGINE ENCLOSURE ASSEMBLY / JD-4045T	P1-1894
14	EXHAUST ASSEMBLY / JD-4045T	P4-1765
15	AIR CLEANER ASSEMBLY / JD-4045T	P1-1884
16	DRIVESHAFT ASSEMBLY / FRONT	P1-1579
17	DRIVESHAFT ASSEMBLY / REAR	P1-1580
18	TIRE & WHEEL ASSEMBLY	P1-1668
19	ELECTRIC SCHEMATIC	P1-1879
20	WIRING DIAGRAM	P1-1750
21	INSTRUMENT PANEL ASSEMBLY	P1-1877
22	HYDRAULIC SCHEMATIC	P1-1865
23	CIRCUIT / PUMP / OIL RESERVOIR	P1-1866
24	CIRCUIT / LIFT-TILT	P1-1867
25	CIRCUIT / BOOM	P1-1868
26	CIRCUIT / 4-WAY CONTROLLER	P1-1869
27	CIRCUIT / PRESSURE CHECKS	P1-1478
28	CIRCUIT / STEERING	P1-1571
29	CIRCUIT / SWAY	P1-1506
30	CIRCUIT / FRONT STABILIZER	P1-1886
31	CIRCUIT / REAR AXLE LOCK-UP	P1-1878
32	CIRCUIT / PARKING BRAKE	P1-1482
33	CIRCUIT / BRAKE	P1-1572
34	CIRCUIT / OIL COOLER / JD-4045T	P1-1832
35	CIRCUIT / FUEL / JD-4045T	P1-1833
36	FUEL TANK ASSEMBLY	P1-1441
37	STARTER RELAY / SENDER ASSY / JD-4045T	P1-1834
38	BATTERY BOX ASSEMBLY	P1-1690
39	CYLINDER / LIFT / 7-316-241	P4-2100
40	CYLINDER / TILT / 7-316-242	P4-2099
41	CYLINDER / BOOM / 7-316-243	P4-2101
42	CYLINDER / SWAY-REAR LOCK / 7-379-50	P1-1876
43	CYLINDER / STABILIZER / 7-316-394	P1-1510

INDEX / STANDARD EQUIPMENT
TH1048C

PAGE	DESCRIPTION	DRAWING
44	MOTION VALVE / BASE TILT CYLINDER	P3-1098
45	MOTION VALVE / HEAD TILT CYLINDER	P3-1097
46	MOTION VALVE / BOOM CYLINDER	P3-1096
47	MOTION VALVE / BASE LIFT CYLINDER	P3-1209
48	DUAL PILOT CHECK VALVE / 7-234-04	P3-1100
49	ORBITRAL ASSEMBLY / 7-147-01	P1-1554
50	SELECTOR VALVE / STEERING / 7-359-02	P4-2009
51	RETURN FILTER ASSEMBLY / 7-118-01	P1-1513
52	CONTROL BLOCK ASSEMBLY / 7-234-94	P1-1451
53	4-WAY CONTROLLER ASSEMBLY / 7-200-139	P1-1875
54	MAIN VALVE ASSEMBLY / 7-200-80	P4-1425
55	HYDRAULIC PUMP ASSEMBLY / 7-345-113	P4-2059
56	ELECTRIC VALVE / 4-WAY / 7-367-09	P1-1447
57	ELECTRIC VALVE / 4-WAY / 7-244-31	P3-1140
58	CONTROLLER RELIEF VALVE / 7-367-01	P1-1446
59	VALVE / BOOM ACTIVATED REAR-LOCK / 7-367-13	P1-1456
60	VALVE / DIFFERENTIAL LOCK / 7-367-02	P1-1460

INDEX / OPTIONAL EQUIPMENT
TH1048C

61	FULLY ENCLOSED CAB ASSEMBLY	P1-1918
62	FORK FRAME ROTATE ASSEMBLY	P4-1492
63	ROTATE CYLINDER / 7-379-01	P4-2020
64	DUAL PILOT CHECK VALVE	P3-1141
65	CIRCUIT / FORK ROTATE	P1-1560
66	HOSE ROLLER ASSEMBLY	P1-1569

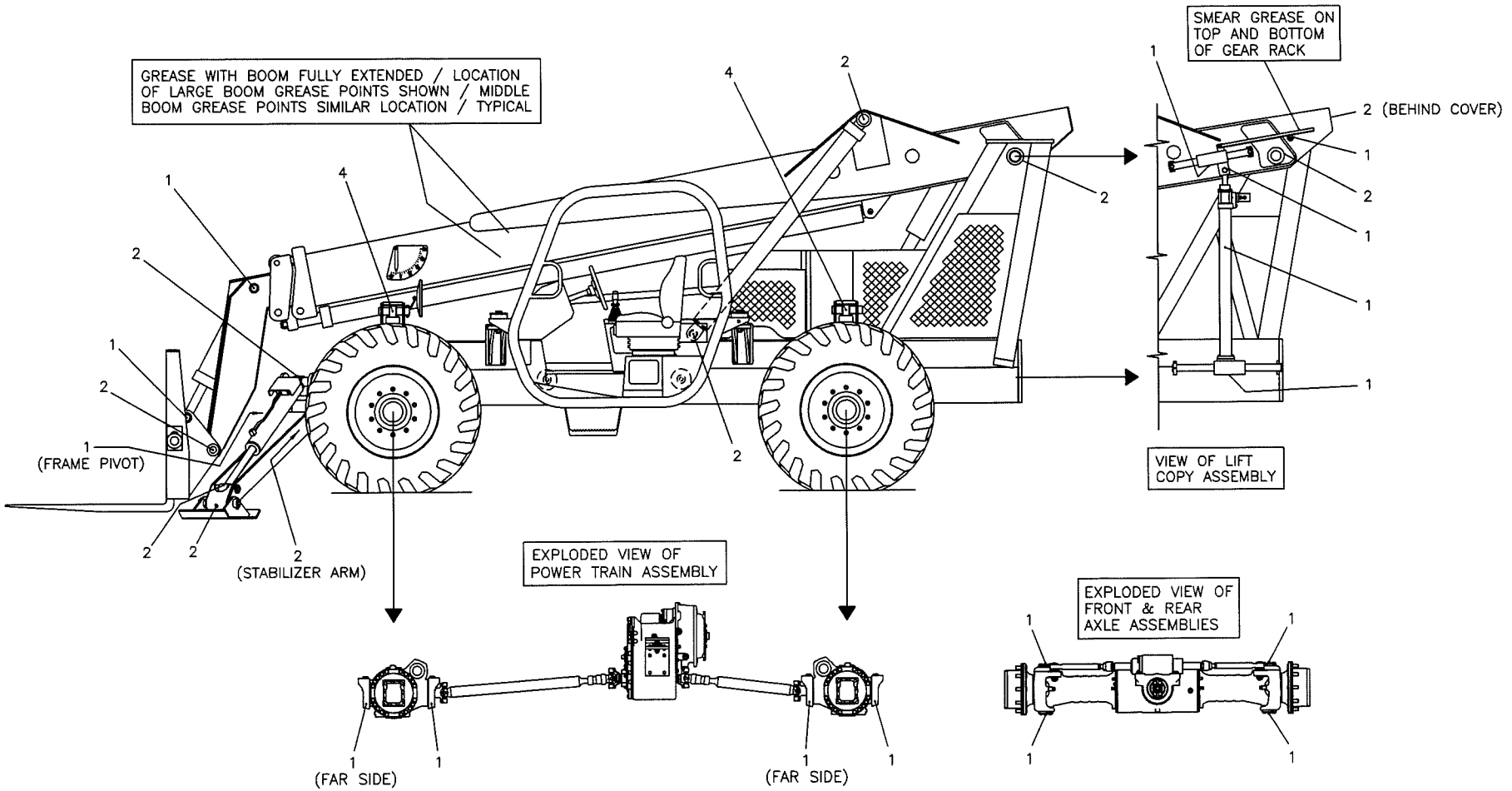
MANUFACTURER PART NUMBER	NUMBER	DESCRIPTION	SEAL KIT
PPDB-LNN	7-234-13	CARTRIDGE / REDUCING RELIEVING	7-234-29
CKCB-XCN	7-234-62	CARTRIDGE / PILOT CHECK	7-234-29
CXDA-XAN	7-234-16	CARTRIDGE / CHECK	7-234-31
CXDA-XCN	7-234-80	CARTRIDGE / CHECK	7-234-31
CKCD-XAN	7-234-18	CARTRIDGE / PILOT CHECK	7-234-29
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
PTS1-6872	7-304-07	CARTRIDGE / MODULAR CONTROL	7-304-08
POC1-10-F-0-030	7-321-88	CARTRIDGE / PILOT CHECK	7-321-92
PRV2-10-S-0-20	7-321-89	CARTRIDGE / REDUCING RELIEVING	7-321-91
DSV2-8-B-0	7-321-90	CARTRIDGE / SHUTTLE	7-321-93
DSV2-080-3B-N	7-367-03	CARTRIDGE / NORMALLY CLOSED	7-367-18
DSV2-080-2NOS-N	7-367-06	CARTRIDGE / NORMALLY OPEN	7-367-17
DSV2-080-4CO-N	7-367-10	CARTRIDGE / 4-WAY	7-367-19
DSV2-080-3-N	7-367-14	CARTRIDGE / NORMALLY OPEN	7-367-18
	7-379-50	CYLINDER / SWAY-REAR LOCK / P1-1876	7-900-85
	7-316-241	CYLINDER / LIFT / P4-2100	7-900-34
	7-316-242	CYLINDER / TILT / P4-2099	7-900-22
	7-316-243	CYLINDER / BOOM / P4-2101	7-900-33
	7-379-01	CYLINDER / ROTATE / P4-2020	7-900-86
	7-316-394	CYLINDER / STABILIZER / P1-1510	7-900-114
	7-198-48	BRAKE ACTUATOR	7-198-49
	7-147-01	ORBITRAL / STEERING	7-147-07
	7-358-08	PARKING BRAKE VALVE	7-358-42

DRAWING NUMBER P1-1575

LUBE CHART TH1048C

PAGE NUMBER 2

W/ SQUARE SHOOT OPTION



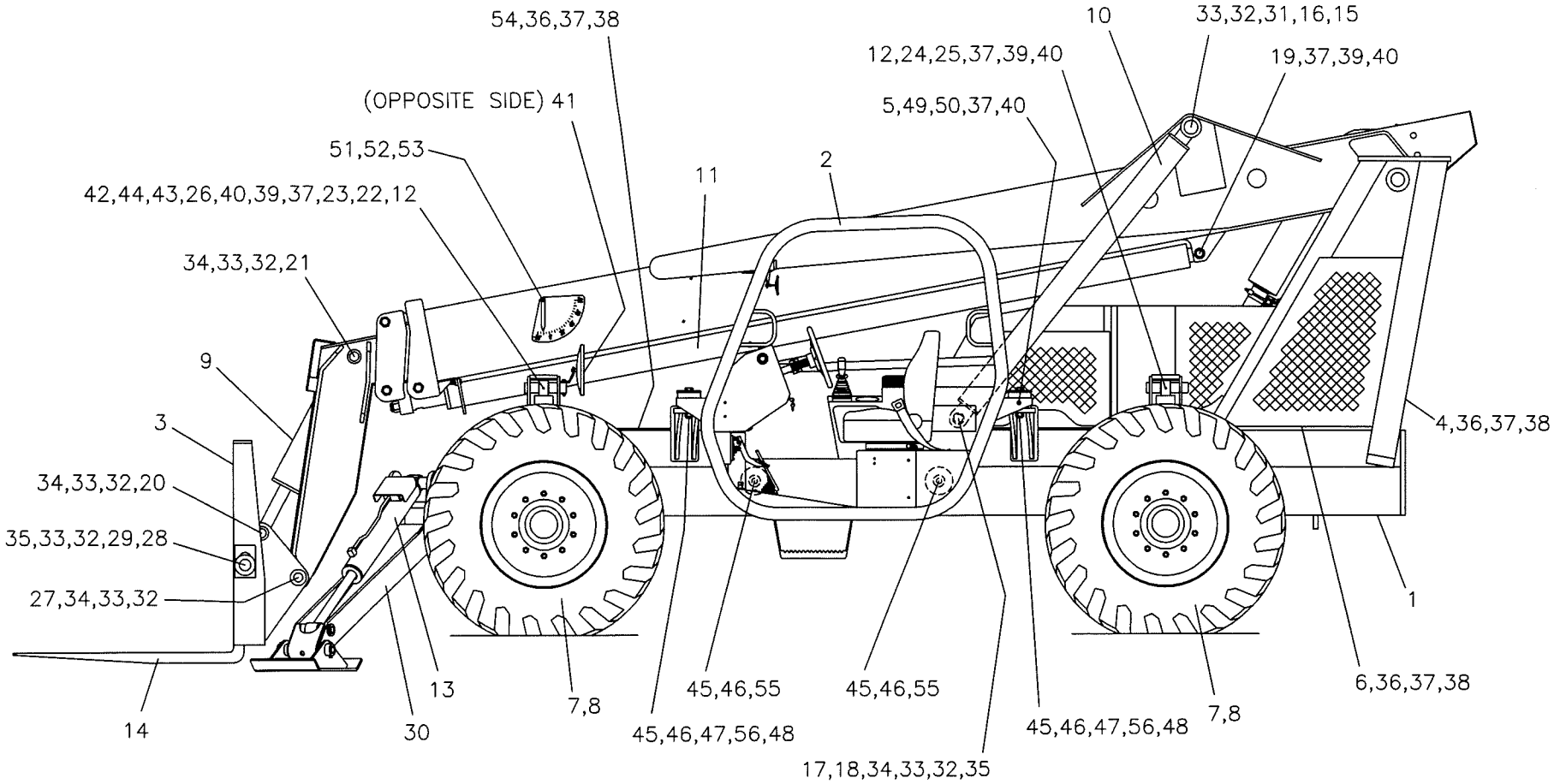
TH1048C FILTER GUIDE

DESCRIPTION	PART NO.	APPLICATION
1. HYDRAULIC RETURN FILTER ELEMENT	7-118-02	TH1048C
2. ENGINE OIL FILTER / JOHN DEERE	7-183-184	TH1048C
3. ENGINE FUEL PRE-FILTER / JOHN DEERE	7-183-185	TH1048C
4. ENGINE FUEL FINAL FILTER / JOHN DEERE	7-183-186	TH1048C
5. AIR CLEANER ELEMENT / PRIMARY	7-109-04	TH1048C
6. TRANSMISSION OIL FILTER	7-126-112	TH1048C
7. HYDRAULIC RESERVOIR FILLER-BREATHER	7-272-11	TH1048C

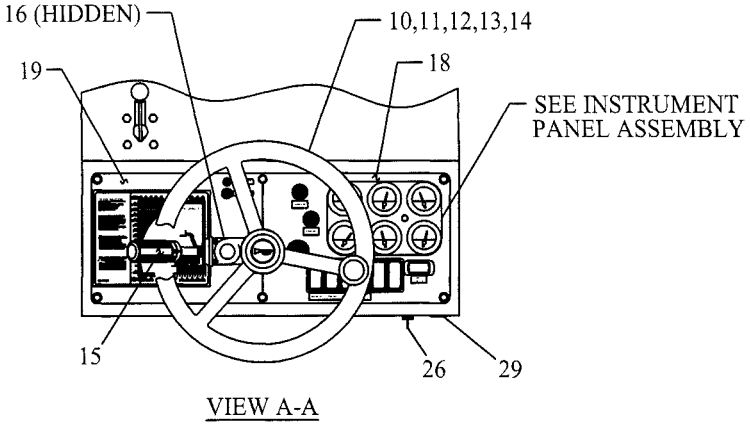
ITEM	NUMBER	DESCRIPTION	REQD
1	3-1484	DECAL / LOAD CHART / TH1048C	1
2	4-2282-4	DECAL / TH1048C TURBO	2
3	4-1401-1	DECAL / STEERING SELECTOR	1
4	4-1401-2	DECAL / DIESEL FUEL	1
5	4-1401-3	DECAL / HYDRAULIC OIL LEVEL	1
6	2-1279	DECAL / 4-WAY CONTROL	1
7	4-1401-8	DECAL / TRANSMISSION OIL	1
8	4-1401-10	DECAL / TRANSMISSION CONTROL	1
9	4-1105-11	DECAL / A	1
10	4-1105-12	DECAL / B	1
11	4-1105-13	DECAL / C	1
12	4-1105-14	DECAL / D	1
13	4-1105-15	DECAL / E	1
14	4-1105-16	DECAL / MADE IN USA	4
15	4-1105-19	DECAL / REAR AXLE STABILIZERS	1
16	3-1069-3	DECAL / STABILIZER WARNING	1
17	3-1257-1	DECAL / HYDRAULIC OIL ONLY	1
18	1-1684	DECAL / AXLE DIFFERENTIAL LOCK	1
19	2-1290	DECAL / FALLING OBJECT HAZARD	1
20	2-1291	DECAL / ALWAYS USE THE SEAT BELT	1
21	2-1292	DECAL / READ THE OPERATORS MANUAL	1
22	2-1293	DECAL / BURN HAZARD	2
23	2-1294	DECAL / CRUSH HAZARD-PINCH POINT	10
24	2-1295	DECAL / OVERTURNING HAZARD	1
25	2-1296	DECAL / OVERTURNING HAZARD-SWAY	1
26	2-1297	DECAL / OVERTURNING HAZARD-TIRES	4
27	2-1298	DECAL / OVERHEAD CRUSH HAZARD	1
28	2-1299	DECAL / CRUSH HAZARD-PARKING BRAKE	1
29	2-1300	DECAL / CRUSH HAZARD-NO RIDERS	1
30	2-1301	DECAL / ELECTRICAL HAZARD	1
31	2-1302	DECAL / NOT A MAN-LIFT	2
32	2-1303	DECAL / EXPLOSION-BURN HAZARD-FLUIDS	2
33	2-1304	DECAL / EXPLOSION-BURN HAZARD-ACID	1
34	2-1336	DECAL / FILTER GUIDE / JOHN DEERE	1
35	7-349-01	DECAL / TEREX CROWN / SMALL	1
36	7-349-02	DECAL / TEREX CROWN / MEDIUM	2
37	7-349-03	DECAL / TEREX CROWN / LARGE	1
38	3-1228-2	DECAL / BRAKE ON	1
39	3-1228-7	DECAL / BRAKE OFF	1
40	4-2111-1	DECAL / TEREX / SMALL	2
41	4-1880-1	DECAL / BOOM ANGLE / WHITE LETTERS	1
42	1-1285	DECAL / CHEVRON TRANSMISSION OIL	1
43	1-1286	DECAL / CHEVRON HYDRAULIC OIL	1
44	1-1287	DECAL / DAILY CHECK LIST	1
45	2-1223-1	DECAL / TECHNICAL SUPPORT	1
46	2-1267-1	DECAL / DASH GANG SWITCHES	1
47	2-1269-1	DECAL / SWAY CONTROL / DASH	1
48	2-1270-1	DECAL / PUMP OFF / DASH	1
49	2-1271-1	DECAL / BRAKE ON / DASH	1
50	2-1332-1	DECAL / BLINK CODE ENABLE / DASH	1
51	2-1333-1	DECAL / WARNING-BLINK CODE / DASH	1
52	7-900-171	DECAL KIT (ITEMS 1 THRU 51)	REF

GENERAL ASSEMBLY
TH1048C

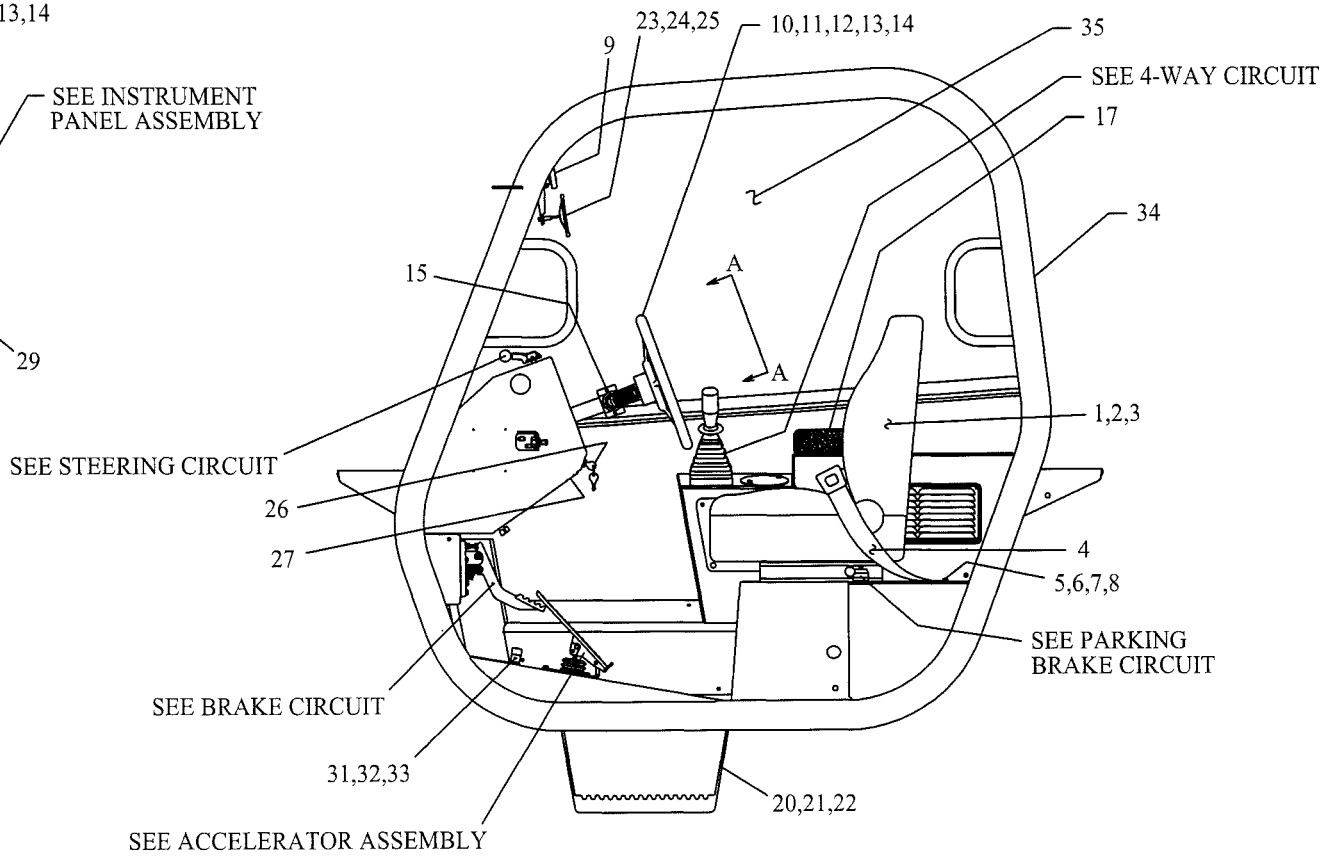
DRAWING NUMBER P1-1737



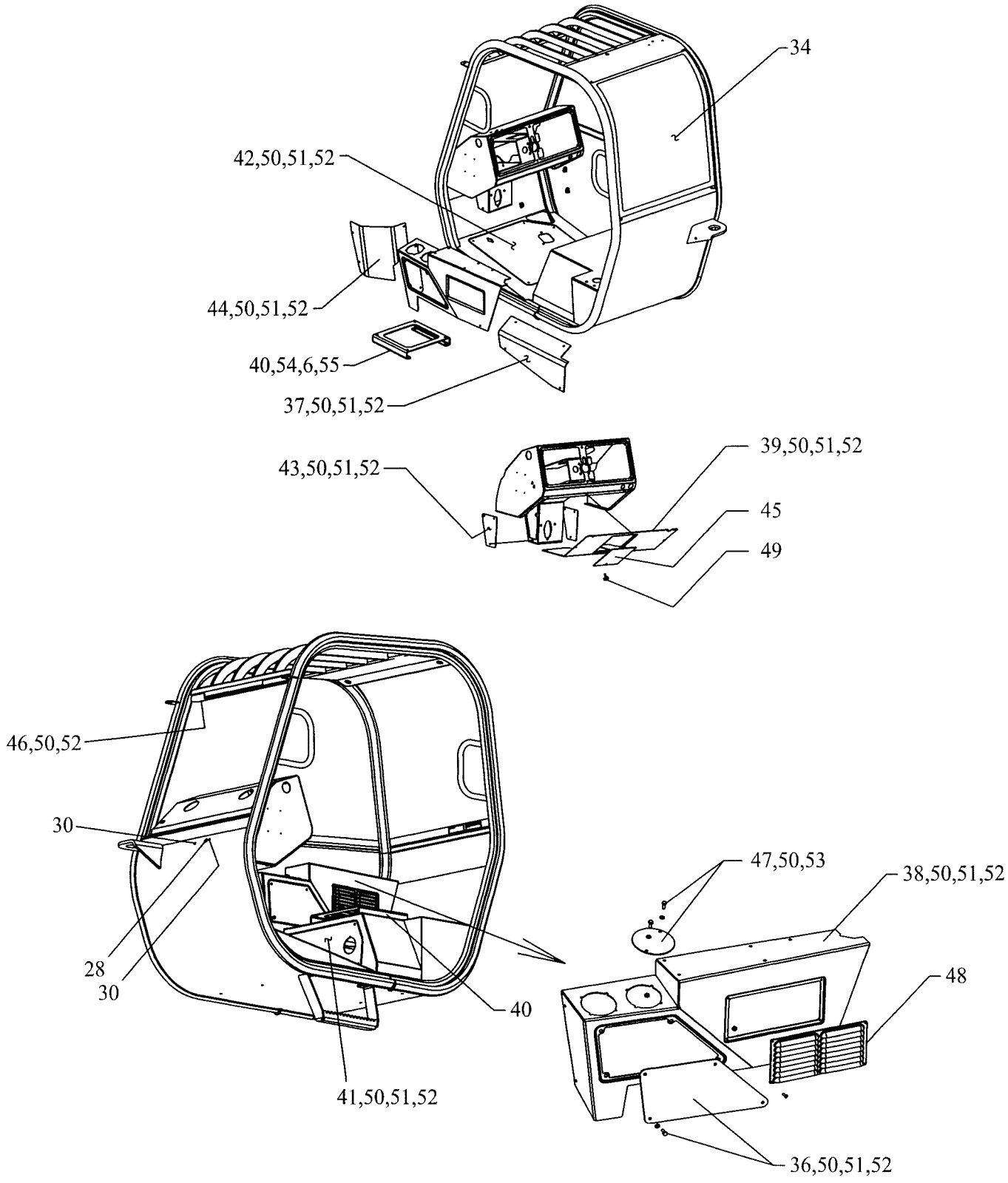
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2274	MAIN FRAME WELDMENT	1
2	7-132-96	CANOPY ASSEMBLY	1
3	4-1441	FORK FRAME / 48 WIDE	1
4	4-1751-1	REAR PANEL	1
5	7-319-17	GROUND STRAP / CAB	1
6	4-1751-2	SIDE PANEL / LH & RH	2
7	7-166-10	TIRE & WHEEL ASSY / RH / 14.00-24	2
8	7-166-11	TIRE & WHEEL ASSY / LH / 14.00-24	2
9	7-316-242	CYLINDER / TILT	1
10	7-316-241	CYLINDER / LIFT	2
11	7-316-243	CYLINDER / BOOM	1
12	7-379-50	CYLINDER / SWAY-REAR LOCK	4
13	7-316-394	CYLINDER / STABILIZER	2
14	3-1234	FORK TINE / 48 LG.	2
15	3-1092-1	PIN / HEAD LIFT CYLINDER	1
16	6-2524-10	COLLAR / HEAD LIFT CYLINDER	2
17	3-1054-2	PIN / BASE LIFT CYLINDER / RH	1
18	3-1054-3	PIN / BASE LIFT CYLINDER / LH	1
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	6-3312-43	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	P1-1488	STABILIZER ASSEMBLY	REF
31	6-5208-44	CAPSCREW 1/2 NC x 5 1/2 LG.	2
32	6-6201-08	HEX NUT 1/2 NC	8
33	6-6211-08	LOCKWASHER 1/2	8
34	6-5208-30	CAPSCREW 1/2 NC x 3 3/4 LG.	4
35	6-5208-36	CAPSCREW 1/2 NC x 4 1/2 LG.	2
36	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	20
37	6-6211-06	LOCKWASHER 3/8	29
38	6-6212-06	FLATWASHER 3/8	20
39	6-5206-22	CAPSCREW 3/8 NC x 2 3/4 LG.	6
40	6-6201-06	HEX NUT 3/8 NC	9
41	7-333-01	MIRROR / CONVEX	1
42	6-5206-24	CAPSCREW 3/8 NC x 3 LG.	1
43	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
44	6-6211-05	LOCKWASHER 5/16	4
45	7-190-07	RUBBER MOUNT / CAB	4
46	1-1532	WASHER / RUBBER MOUNT	4
47	6-5216-48	CAPSCREW 1 NC x 6 LG.	2
48	6-6205-16	SELF LOCKING NUT 1 NC	2
49	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	1
50	6-5206-04	CAPSCREW 3/8 NC x 1/2 LG.	1
51	1-1217	POINTER / BOOM ANGLE	1
52	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	1
53	6-6201-04	HEX NUT 1/4 NC	1
54	4-2271	COVER / FRONT AXLE ACCESS	1
55	6-5216-44	CAPSCREW 1 NC x 5 1/2 LG.	2
56	1-1530	SPACER / RUBBER MOUNT	2



VIEW A-A



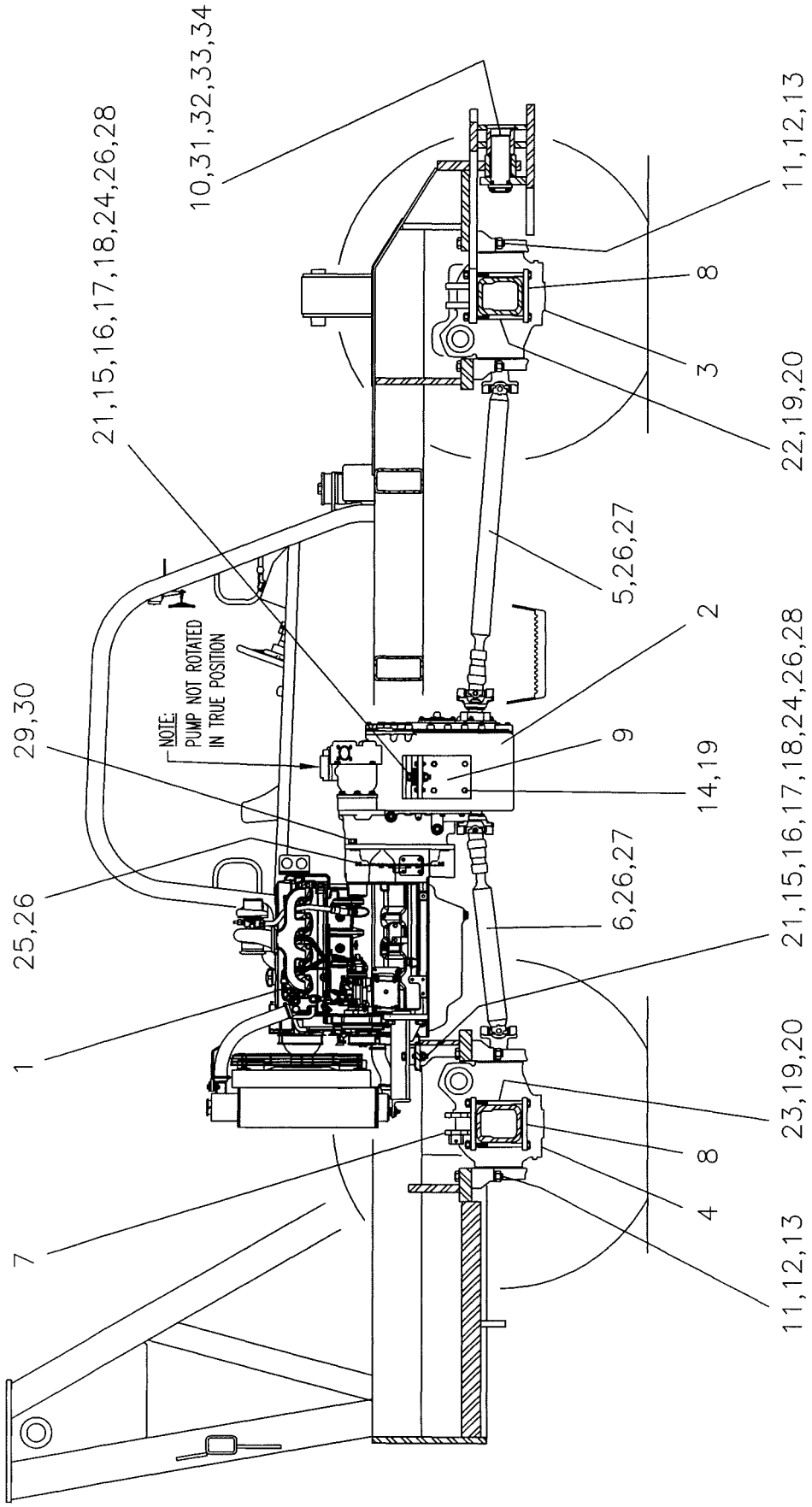
FOR ADDITIONAL CAB INFORMATION SEE OPTIONS SECTION



DRAWING NUMBER P1-1917	OPERATOR'S COMPARTMENT ASSEMBLY TH1048C	PAGE NUMBER 6A

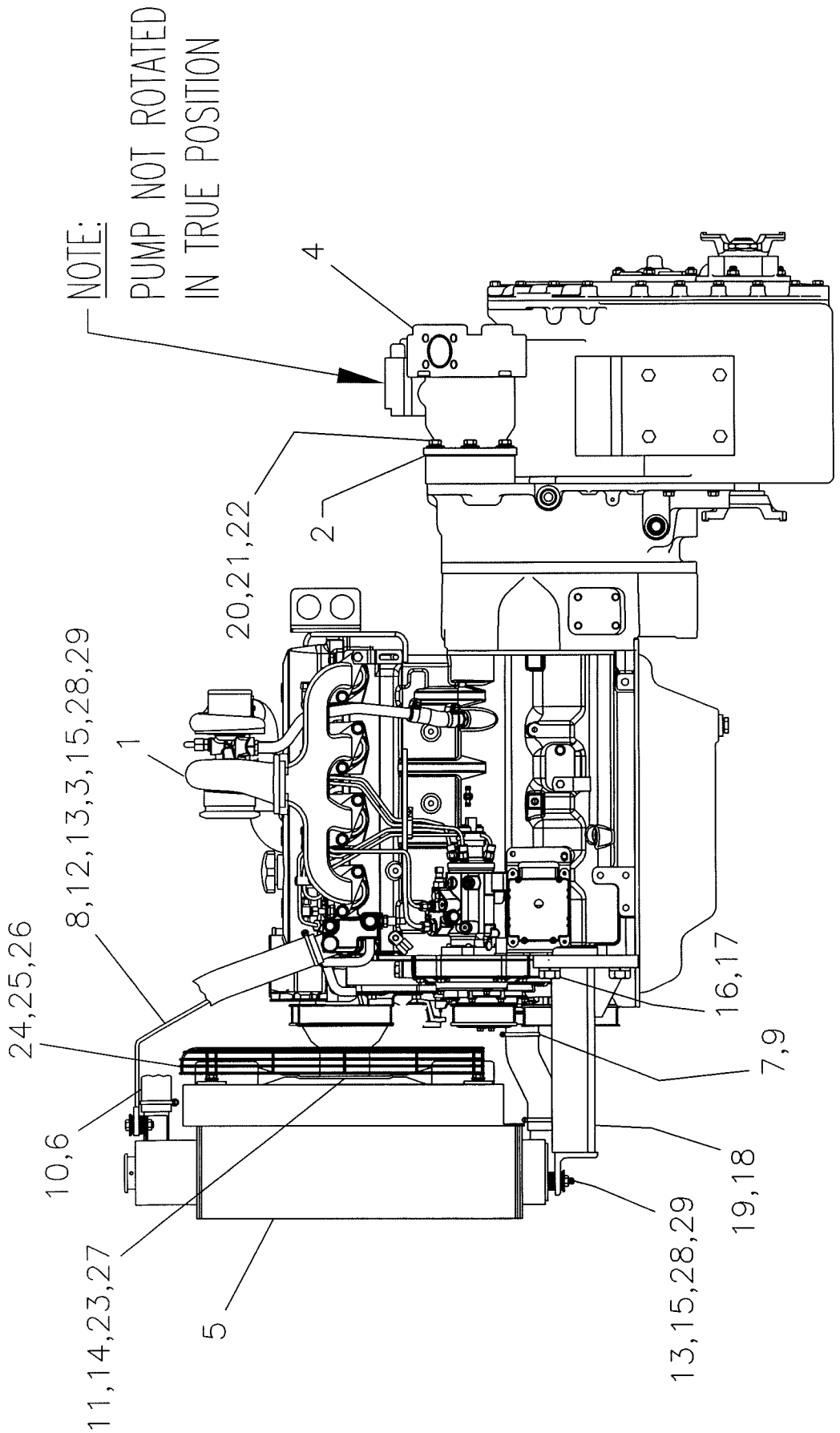
ITEM	NUMBER	DESCRIPTION	REQD
1	7-197-01	SEAT	1
2	6-6211-05	LOCKWASHER 5/16	4
3	6-6201-05	HEX NUT 5/16 NC	4
4	7-337-01	SEAT BELT	1
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
6	6-6212-05	FLATWASHER 5/16	10
7	6-6211-05	LOCKWASHER 5/16	2
8	6-6201-05	HEX NUT 5/16 NC	2
9	7-104-01	LEVEL GAGE	1
10	7-147-01	STEERING ORBITRAL	REF
11	7-147-40	STEERING WHEEL	1
12	7-147-41	HORN BUTTON KIT	1
13	7-147-04	NUT / STEERING WHEEL (w/ ITEM 14)	REF
14	7-147-05	COLUMN / STEERING	1
15	7-125-05	TRANSMISSION COLUMN SHIFT CONTROL	1
16	7-194-40	GROMMET / TRANS. SHIFTER HARNESS	1
17	7-153-01	ARM REST PAD	1
18	7-132-03	DASH PANEL / RH SIDE	1
19	7-132-04	DASH PANEL / LH SIDE	1
20	7-132-08	STEP / CAB	1
21	6-5208-10	CAPSCREW 1/2 NC x 1 1/4 LG.	2
22	6-6211-08	LOCKWASHER 1/2	2
23	7-154-01	MIRROR / INTERIOR	1
24	6-6284-05	MACHINE SCREW #10-24 x 3/4 LG.	2
25	6-6286-07	LOCKWASHER #10	2
26	7-146-01	SWITCH / IGNITION / KEY	REF
27	7-144-02	HOLE PLUG / 5/8 / ETHER BUTTON	1
28	7-144-03	HOLE PLUG / 3/4 / WIPER SHAFT	1
29	7-144-10	HOLE PLUG / 1 3/16 / 12V ACC. PLUG	1
30	7-144-12	HOLE PLUG / 1/4 / WIPER BOLTS	2
31	7-127-09	SWITCH / DIFF. LOCK	REF
32	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	2
33	6-6211-04	LOCKWASHER 1/4	2
34	7-132-101	GLASS / REAR WINDOW-TINTED	REF
35	7-132-103	GLASS / RH SOLID-TINTED	REF
36	7-132-116	ACCESS PANEL / JOYSTICK	REF
37	7-132-105	COVER / SIDE HOSE	REF
38	7-132-106	SIDE CONSOLE / BOLT-ON	REF
39	7-132-107	CONSOLE COVER / LOWER FRONT	REF
40	7-132-108	SEAT RISER	REF
41	7-132-109	COVER / SEAT BOX	REF
42	7-132-110	COVER / FOOT PEDAL	REF
43	7-132-111	COVER / BRAKE ACTUATOR ACCESS	REF
44	7-132-112	COVER / FRONT HOSE	REF
45	7-132-113	COVER / FUSE PANEL	REF
46	7-132-114	MOUNT / FAN	REF
47	7-132-115	COVER / JOYSTICK	REF
48	7-132-122	GRILL / HEATER	REF
49	7-132-22	BOLT / TRI-WING	REF
50	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	44
51	6-6211-04	LOCKWASHER 1/4	40
52	6-6212-04	FLATWASHER 1/4	44
53	6-6205-04	SELF LOCKING NUT 1/4 NC	2
54	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG	4
55	6-6205-05	SELF LOCKING NUT 5/16 NC	4

NOTES



7 PAGE NUMBER	POWER TRAIN ASSEMBLY TH1048C w/ JD-4045 TIER II ENGINE	DRAWING NUMBER	P1-1881

ITEM	NUMBER	DESCRIPTION	REQD
1	P1-1761	ENGINE and PUMP ASSEMBLY	REF
2	7-126-675	TRANSMISSION ASSEMBLY	1
3	7-229-670	AXLE ASSEMBLY / FRONT	1
4	7-229-671	AXLE ASSEMBLY / REAR	1
5	7-229-890	DRIVESHAFT / FRONT	1
6	7-229-891	DRIVESHAFT / REAR	1
7	3-1478	MOUNT / REAR LOCK-UP CYLINDERS	2
8	2-1256	BASE PLATE	4
9	3-1237	MOUNT / TRANSMISSION	2
10	3-1479	PIN / STABILIZER FRAME PIVOT	1
11	6-5316-56	CAPSCREW 1 NF x 7 LG.	8
12	6-6211-16	LOCKWASHER 1 IN.	8
13	6-6202-16	HEX NUT 1 NF	8
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	6-6212-10	FLATWASHER 5/8	4
18	6-6202-10	HEX NUT 5/8 NF	4
19	6-6211-12	LOCKWASHER 3/4	24
20	6-6202-12	HEX NUT 3/4 NF	16
21	7-326-01	RUBBER MOUNT / ENGINE	4
22	6-5312-84	CAPSCREW 3/4 NF x 10 1/2 LG.	8
23	6-5312-80	CAPSCREW 3/4 NF x 10 LG.	8
24	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	8
25	6-5306-14	CAPSCREW 3/8 NF x 1 3/4 LG.	8
26	6-6211-06	LOCKWASHER 3/8	32
27	6-5306-14	CAPSCREW 3/8 NF x 1 3/4 LG.	16
28	6-6201-06	HEX NUT 3/8 NC	8
29	6-8510-40	CAPSCREW 10mm x 1.5 x 40mm	11
30	6-9111-10	LOCKWASHER 10mm	11
31	1-1505	RETAINER / PIN	1
32	6-5208-10	CAPSCREW 1/2 NC x 1 1/4 LG.	2
33	6-6211-08	LOCKWASHER 1/2	2
34	6-6301	LUBE FITTING 1/8 NPT STR.	1



8	PAGE NUMBER	ENGINE and PUMP ASSEMBLY TH1048C w/ JD-4045 TIER II ENGINE	DRAWING NUMBER	P1-1761

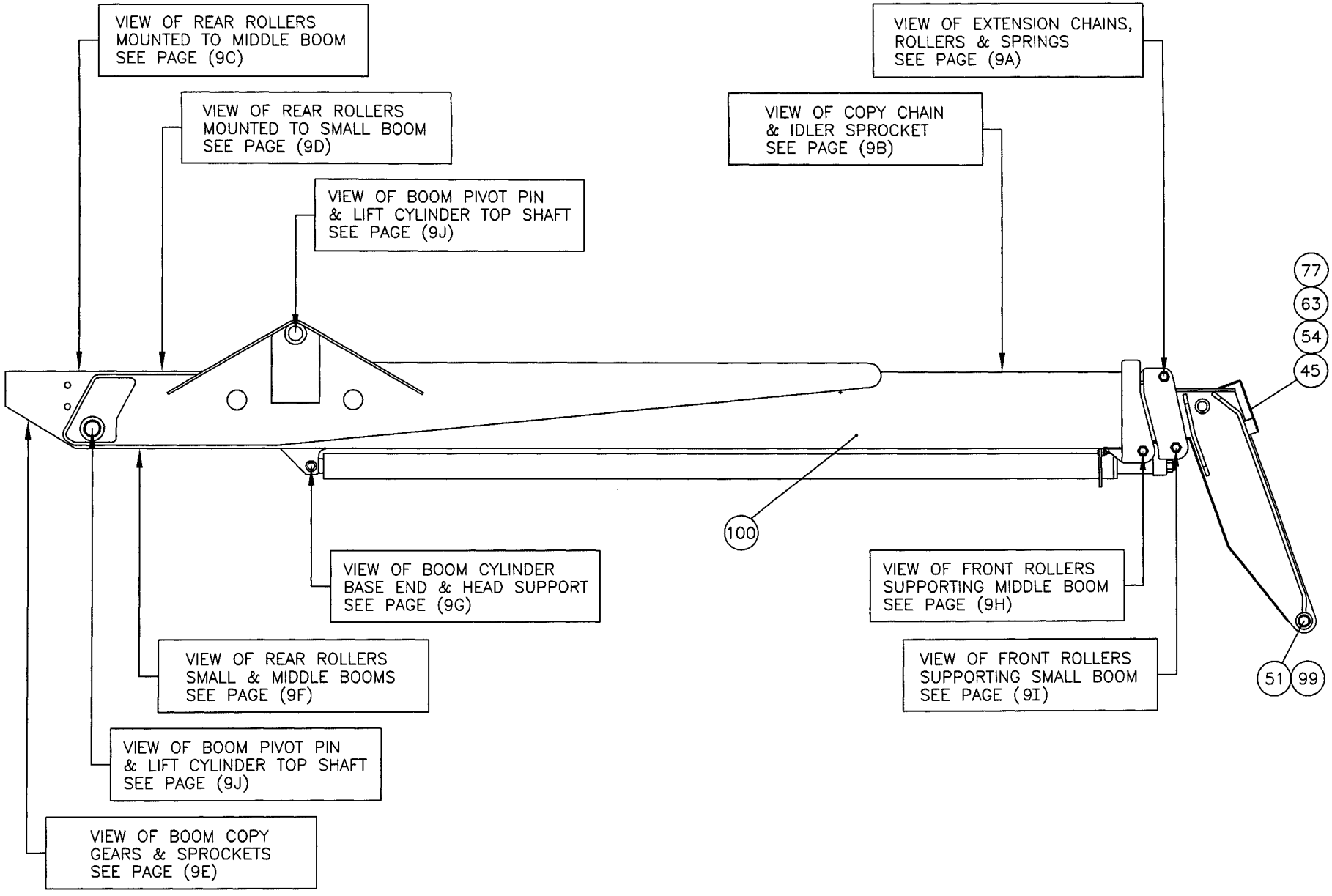
ITEM	NUMBER	DESCRIPTION	REQD
1	7-183-193	ENGINE ASSEMBLY / JD-4045T	1
2	7-126-517	GASKET / PUMP DRIVE	1
3	6-9111-10	LOCKWASHER 10mm	2
4	7-345-113	PUMP ASSEMBLY	REF
5	7-183-187	RADIATOR	1
6	7-158-72	RADIATOR HOSE / UPPER	1
7	7-158-73	RADIATOR HOSE / LOWER	1
8	7-183-164	MOUNTING STRAP / RADIATOR	1
9	6-6252-07	CLAMP / RADIATOR HOSE	2
10	6-6252-09	CLAMP / RADIATOR HOSE	2
11	7-183-70	FAN (w/ ENGINE)	REF
12	6-8510-20	CAPSCREW 10mm x 1.5 x 20mm LG.	2
13	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	3
14	7-183-96	FAN SPACER / 2 INCH / (w/ ENGINE)	REF
15	6-6205-06	SELF LOCKING NUT 3/8 NC	3
16	6-8516-55	CAPSCREW 16mm x 2.0 x 55mm LG.	4
17	6-9111-16	LOCKWASHER 16mm	4
18	4-2076	ENGINE MOUNT / LH	1
19	4-2077	ENGINE MOUNT / RH	1
20	6-5208-20	CAPSCREW 1/2 NC x 2 1/2 LG.	4
21	6-6212-08	FLATWASHER 1/2	4
22	6-6211-08	LOCKWASHER 1/2	4
23	7-183-53	FAN GUARD	1
24	6-6212-05	FLATWASHER 5/16	4
25	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	4
26	6-6211-05	LOCKWASHER 5/16	4
27	6-8110-80	CAPSCREW 10mm x 1.5 x 80mm LG.	REF
28	7-190-04	RUBBER MOUNT / CENTER BONDED	3
29	7-190-02	WASHER / BONDED RUBBER MOUNT	3

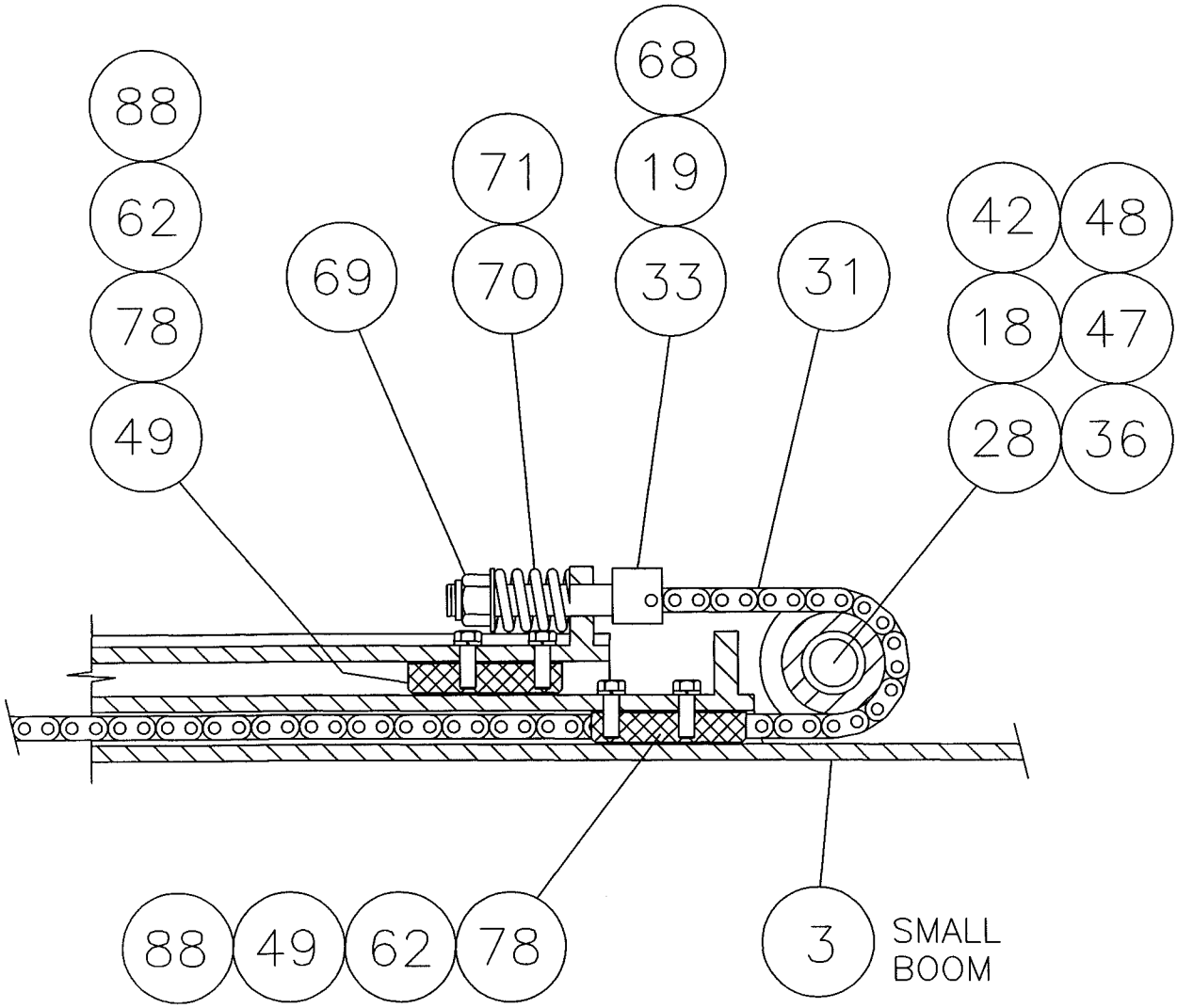
NOTES

DRAWING NUMBER P4-2217

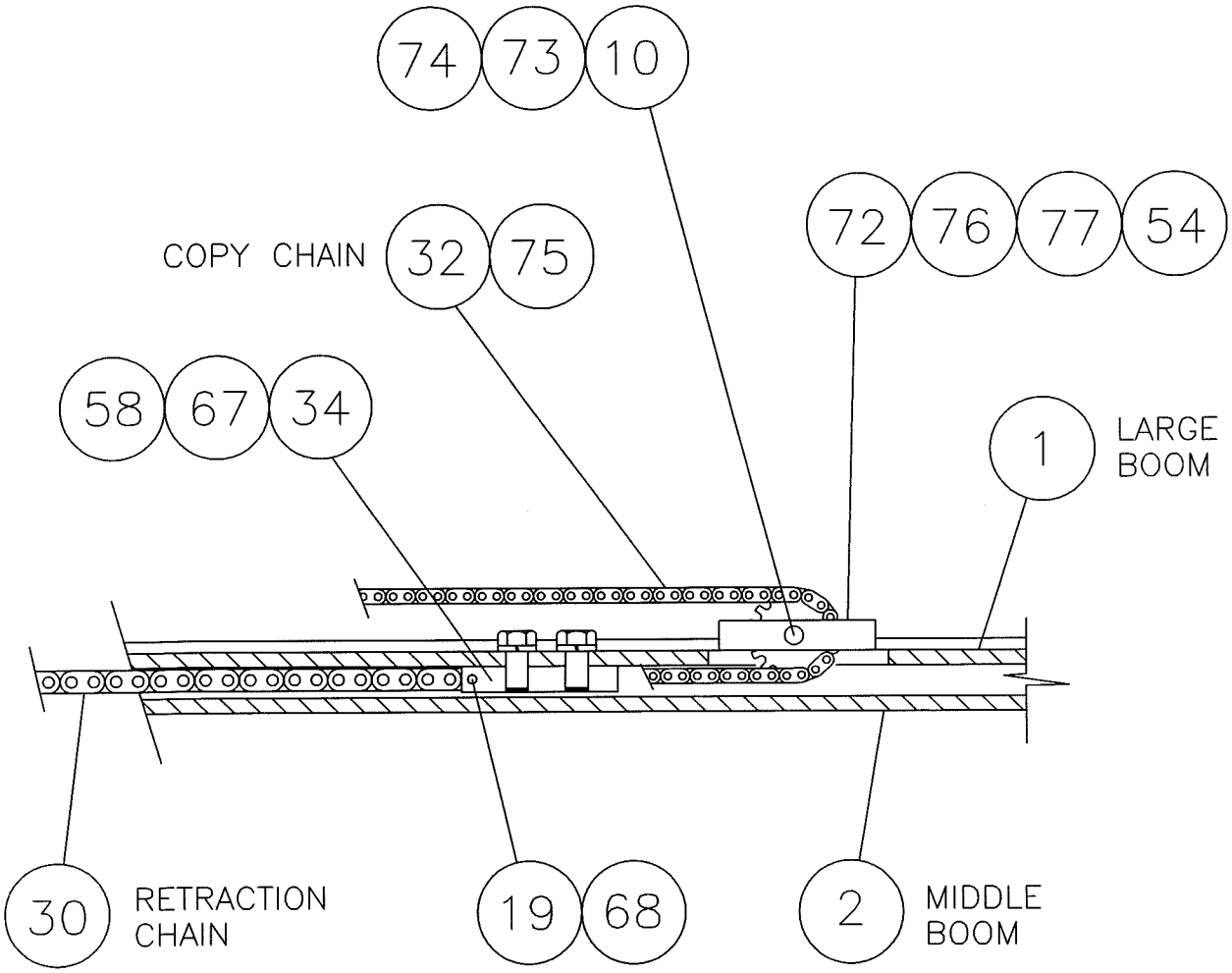
BOOM ASSEMBLY TH1048C

PAGE NUMBER 9

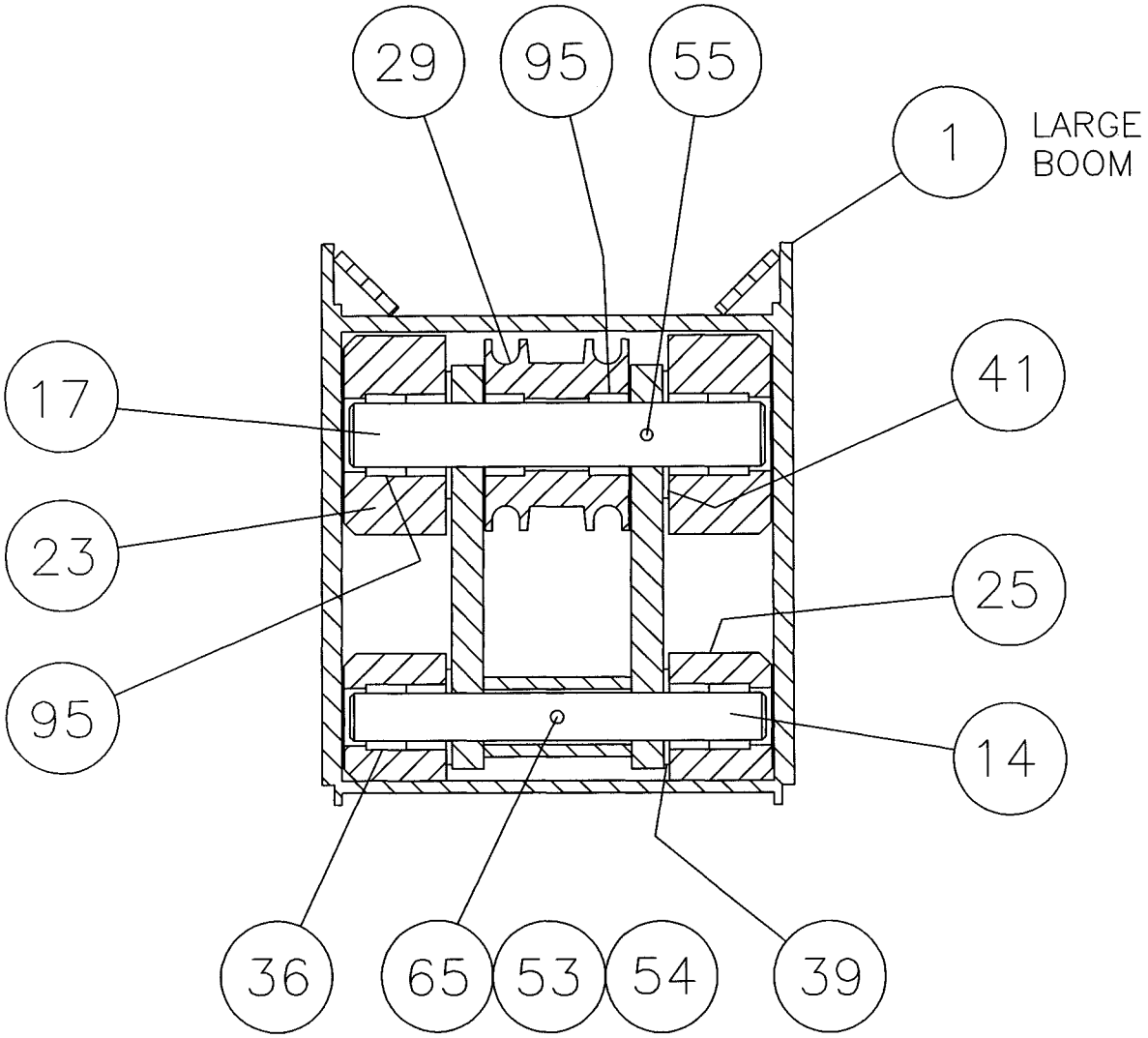




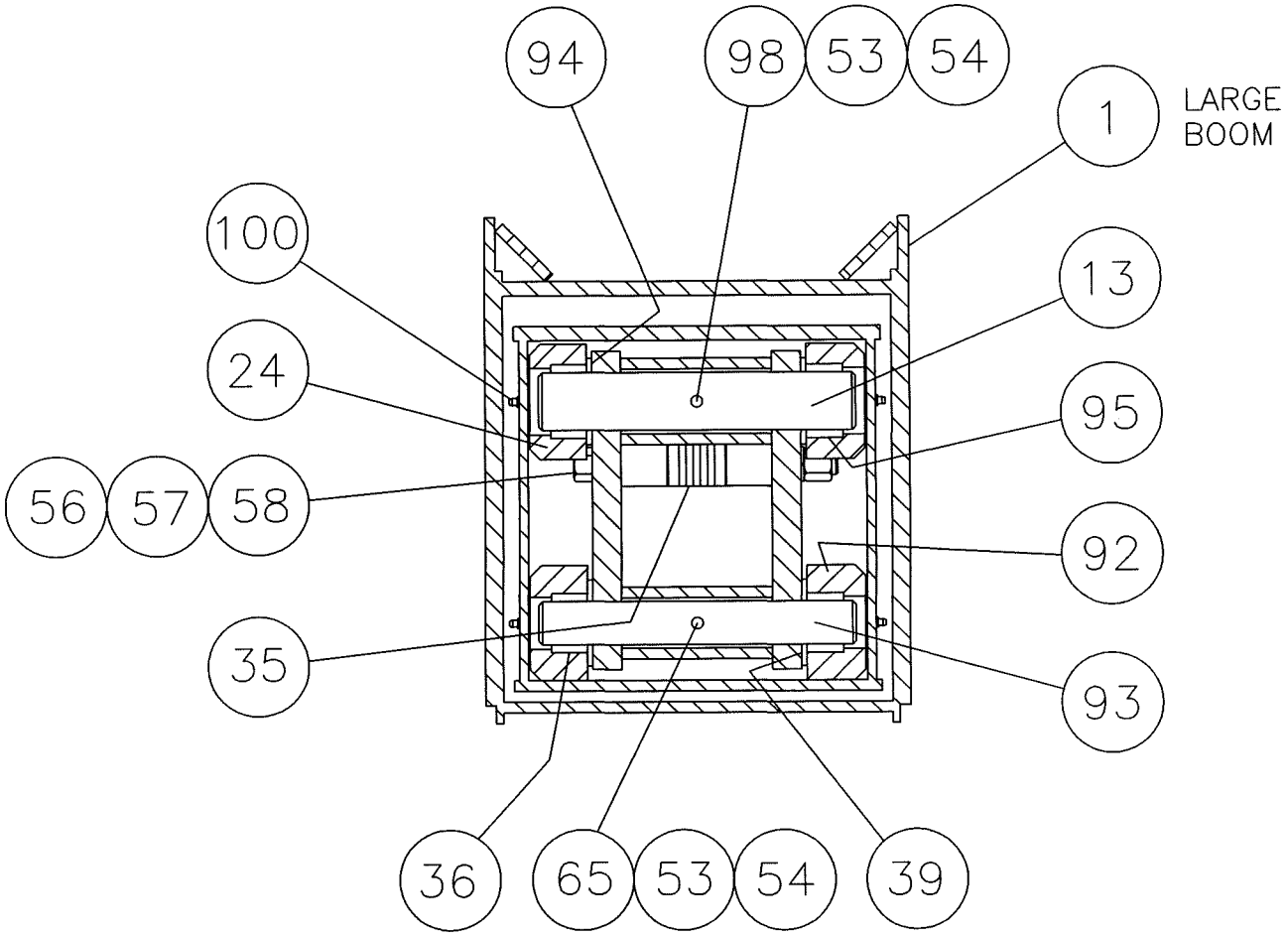
VIEW OF EXTENSION
CHAINS, ROLLERS & SPRINGS



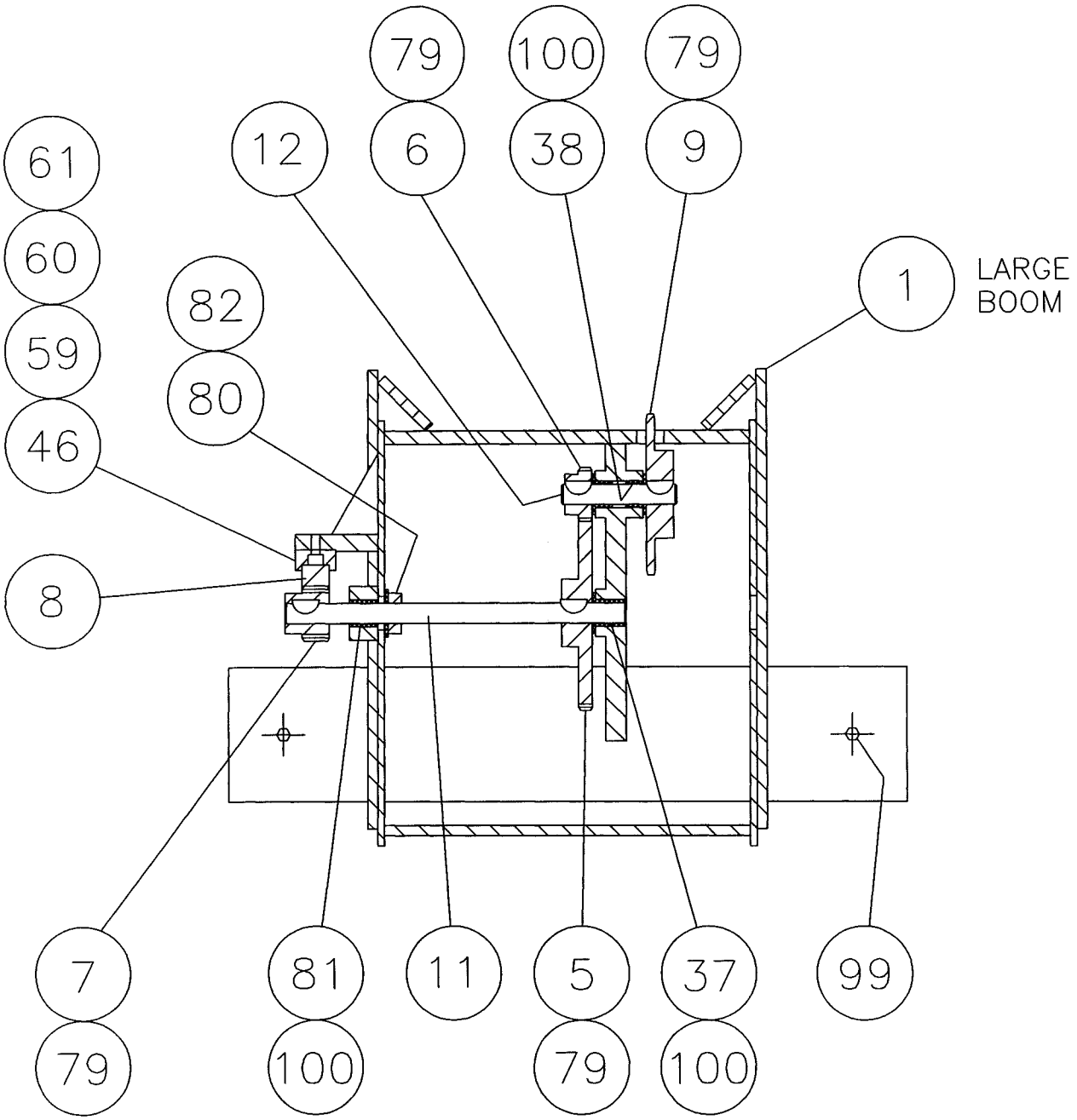
VIEW OF COPY CHAIN & IDLER SPROCKET



VIEW OF REAR ROLLERS
MOUNTED TO MIDDLE BOOM



VIEW OF REAR ROLLERS MOUNTED TO SMALL BOOM

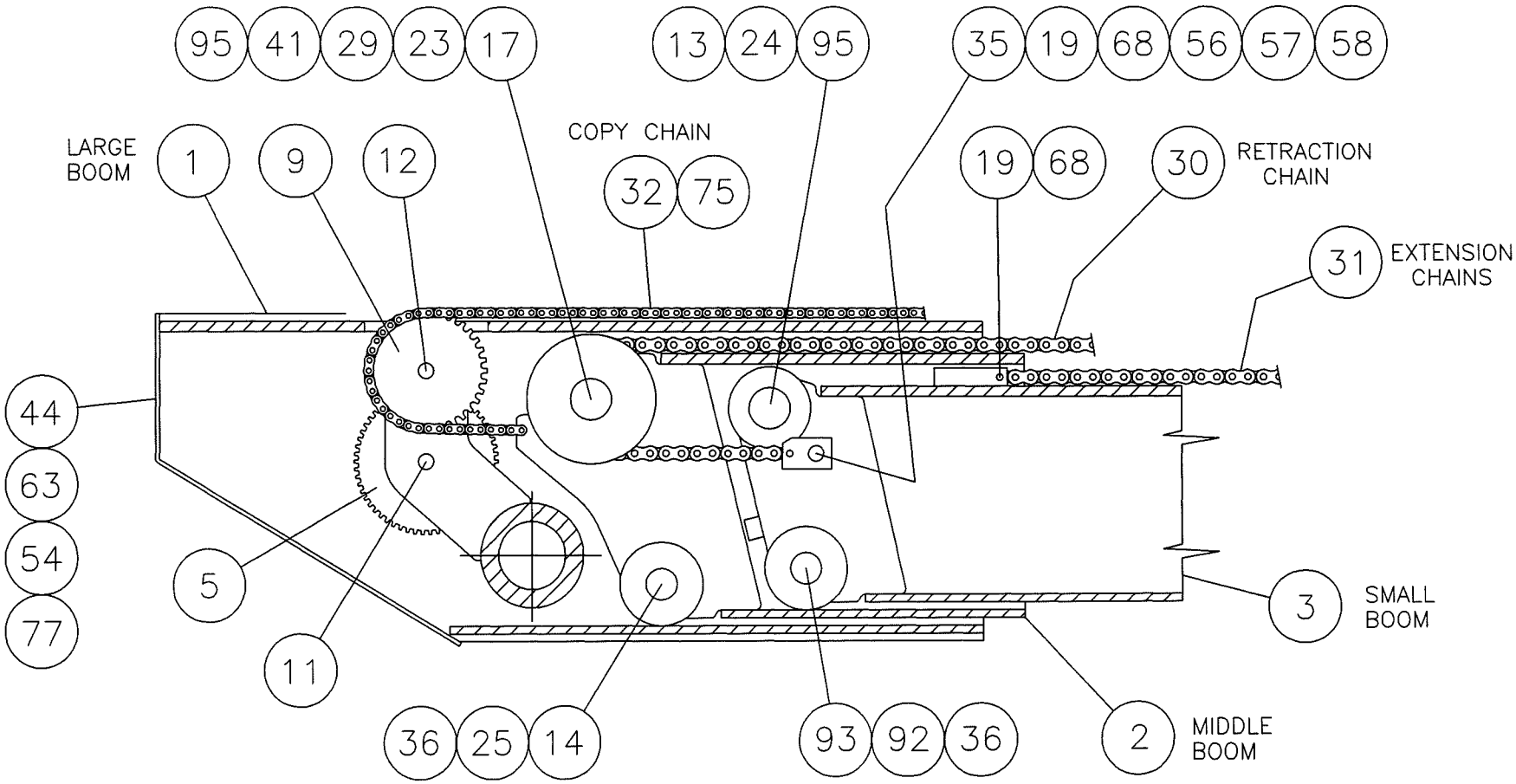


VIEW OF BOOM COPY
GEARS & SPROCKETS

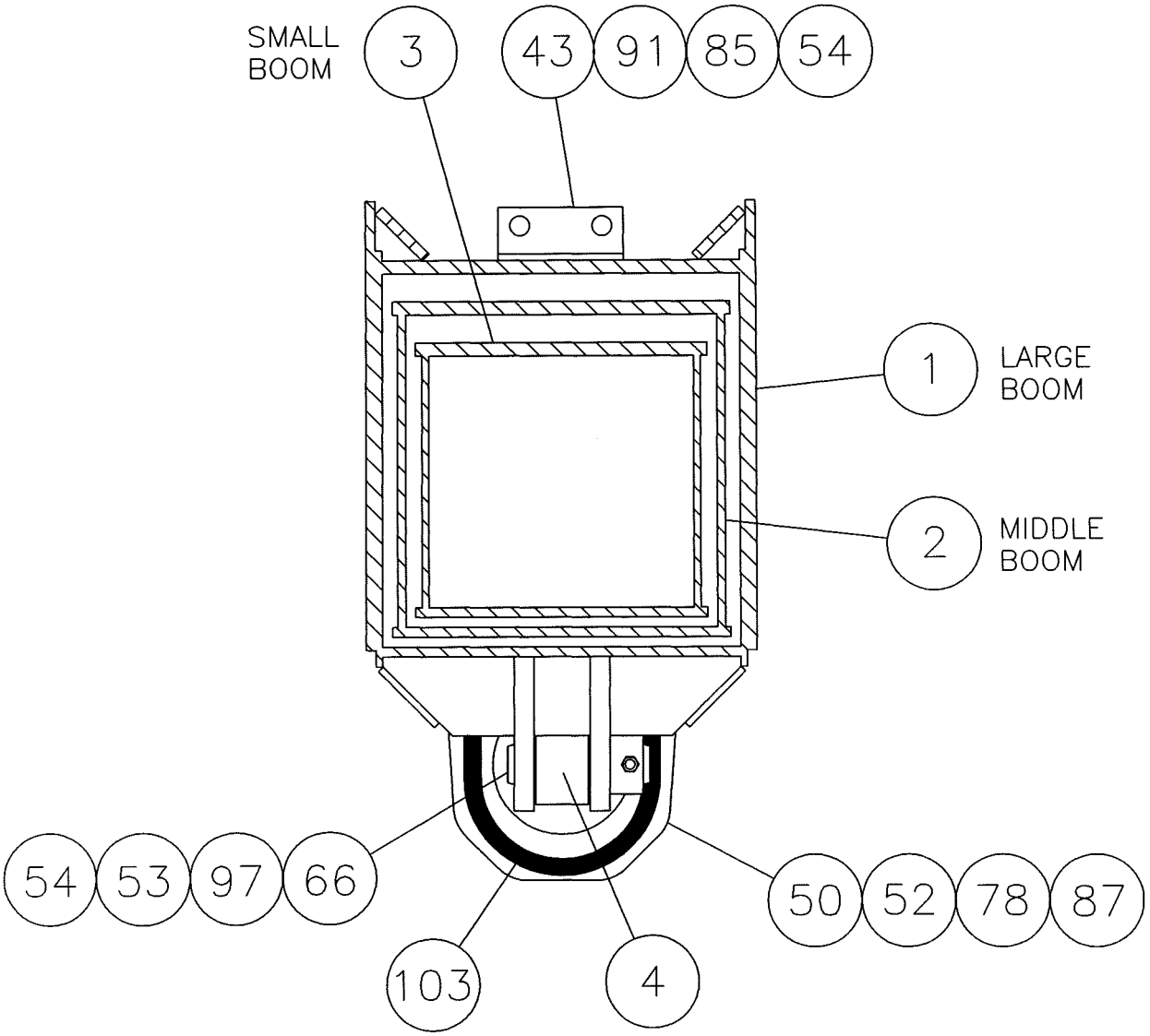
DRAWING NUMBER P4-2217

BOOM ASSEMBLY TH1048C

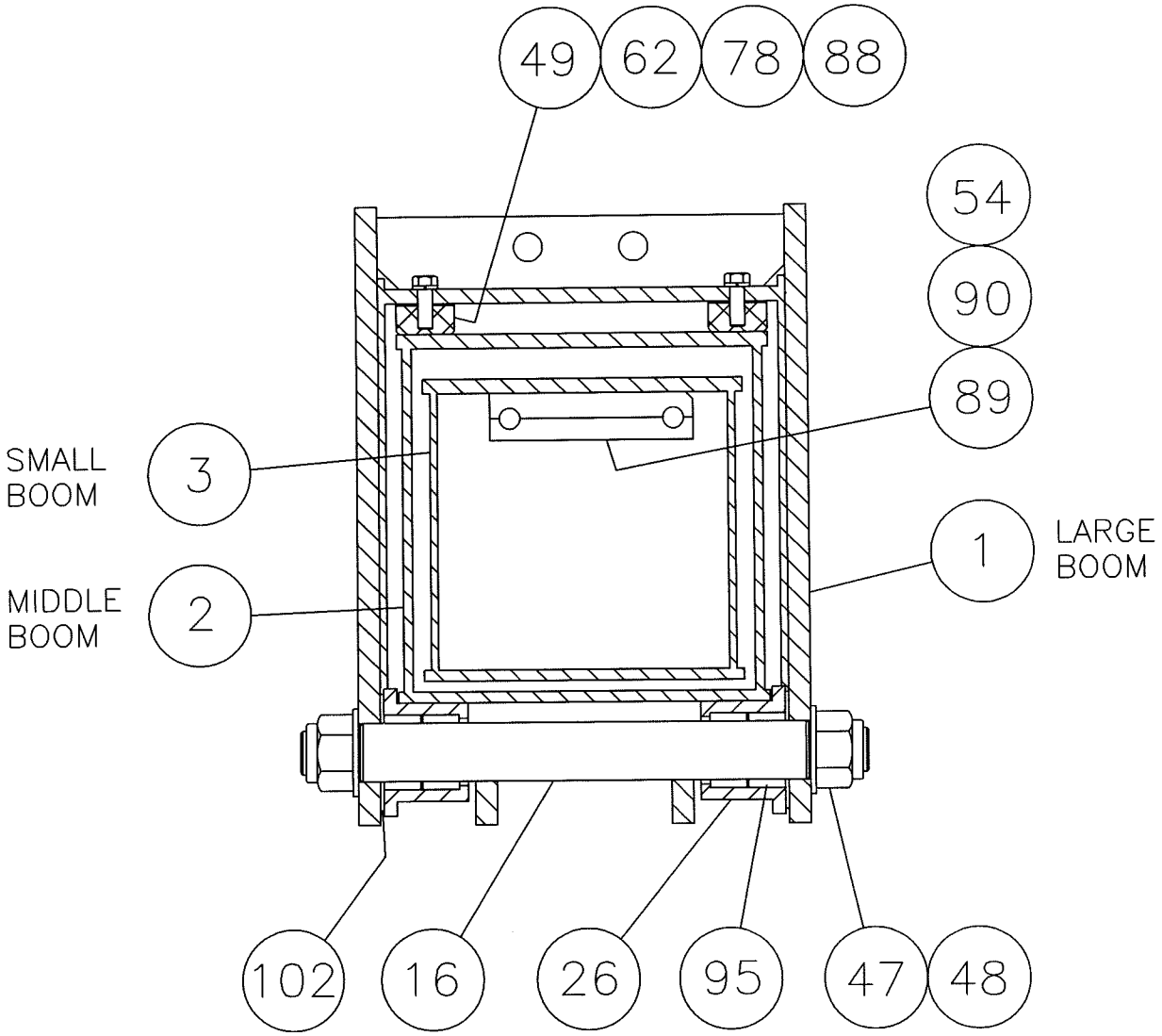
PAGE NUMBER 9F



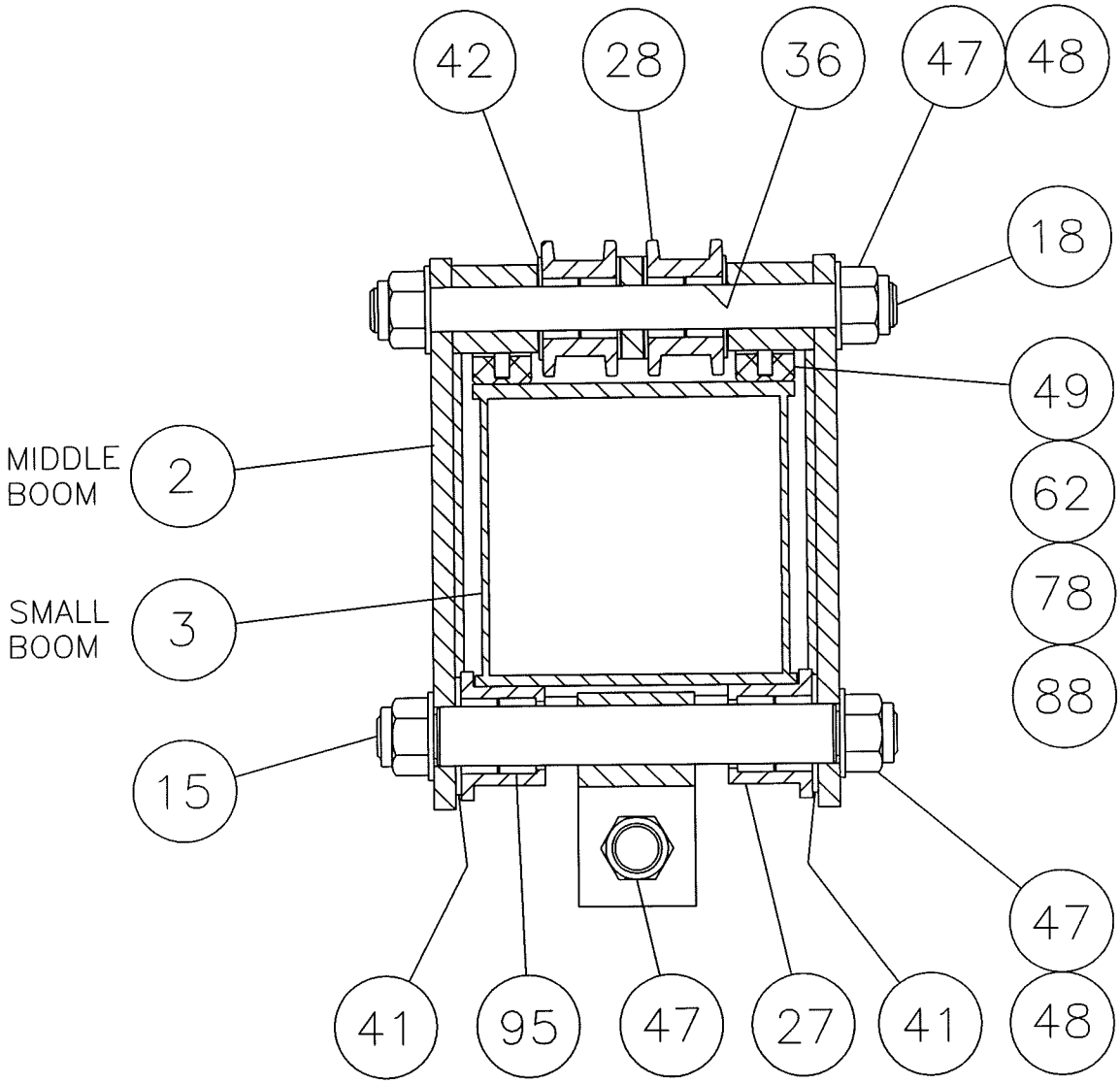
VIEW OF REAR ROLLERS
SMALL & MIDDLE BOOMS



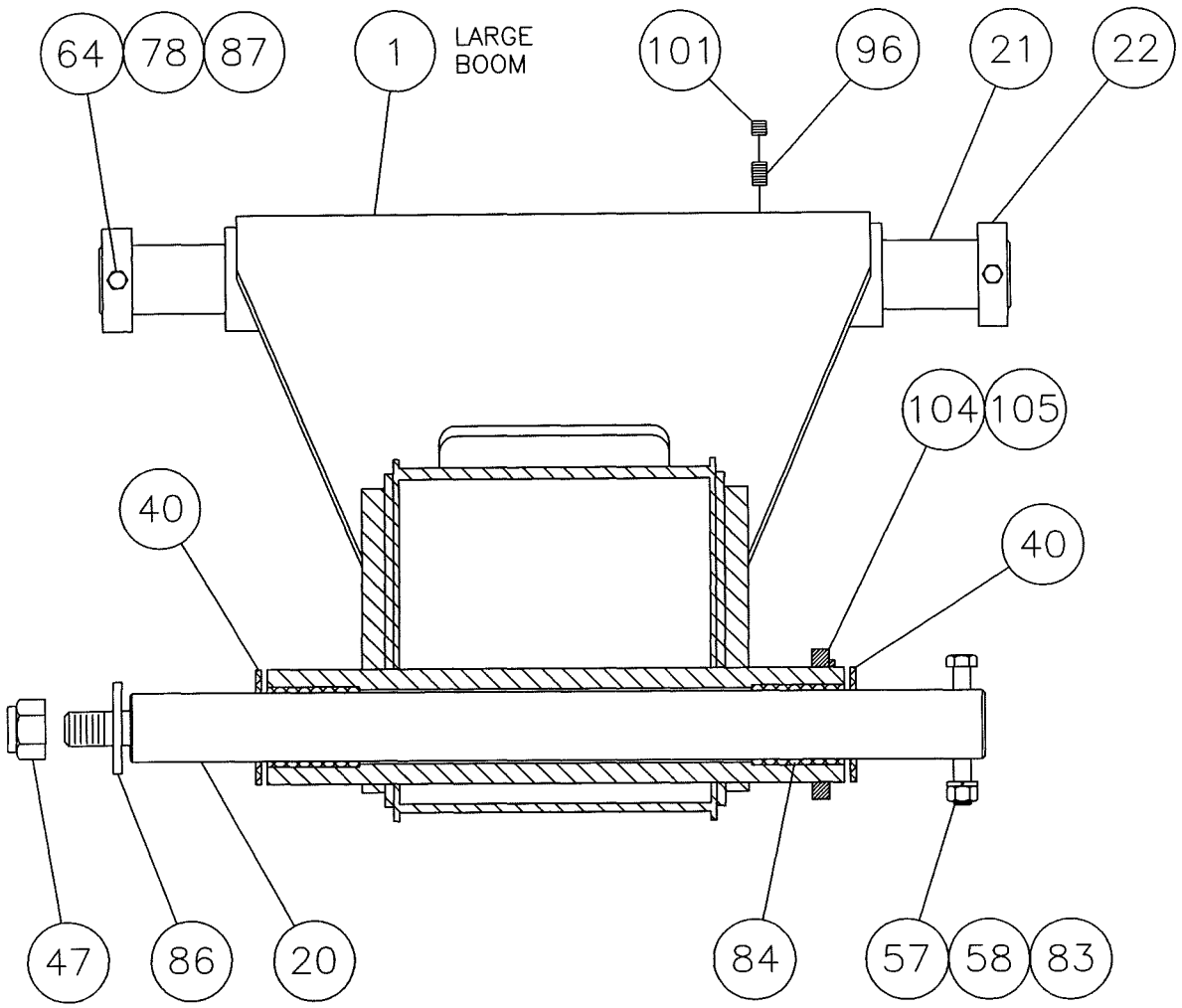
VIEW OF BOOM CYLINDER BASE END & HEAD SUPPORT



VIEW OF FRONT ROLLERS SUPPORTING MIDDLE BOOM



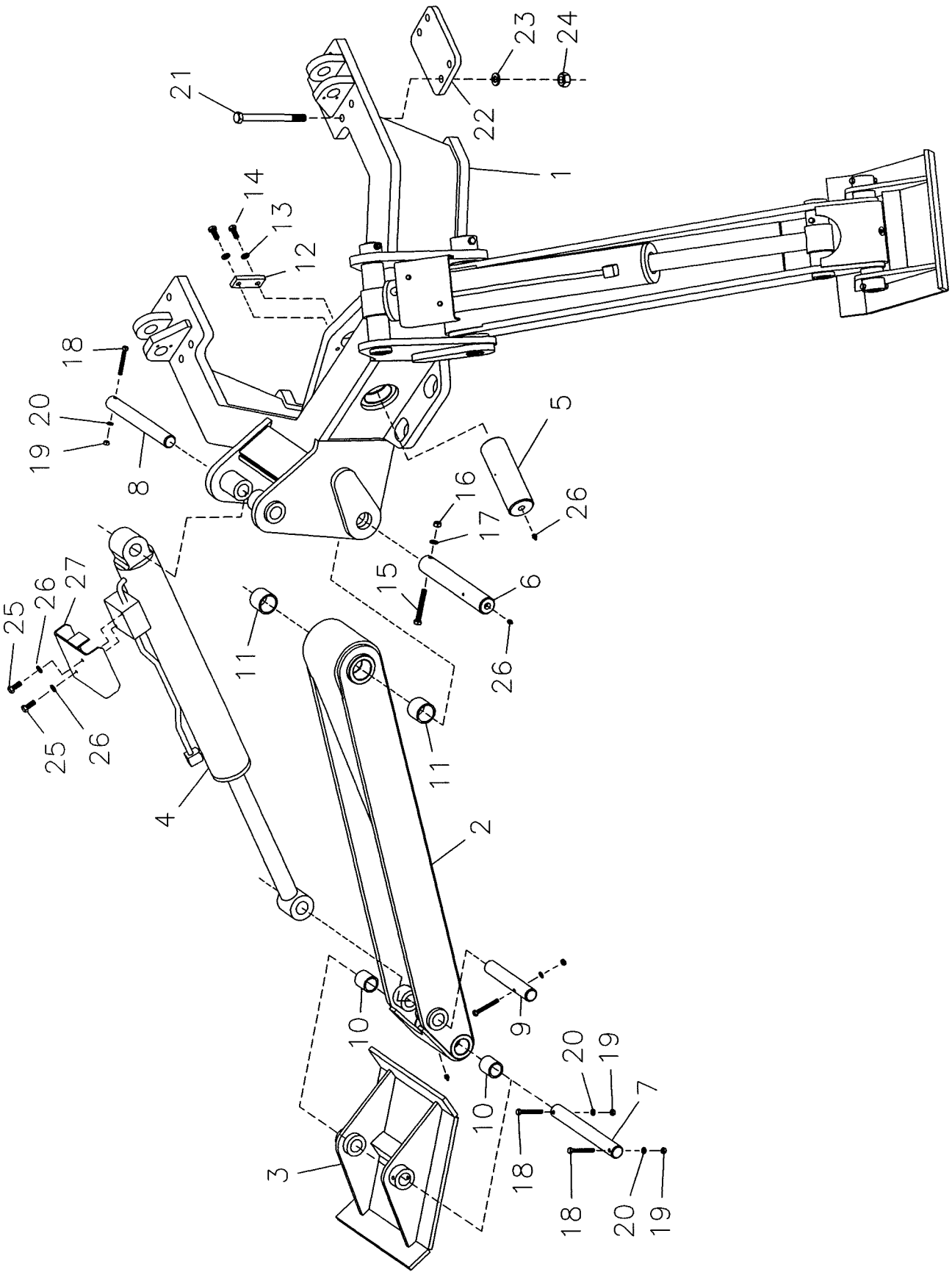
VIEW OF FRONT ROLLERS SUPPORTING SMALL BOOM



VIEW OF BOOM PIVOT PIN
& LIFT CYLINDER TOP SHAFT

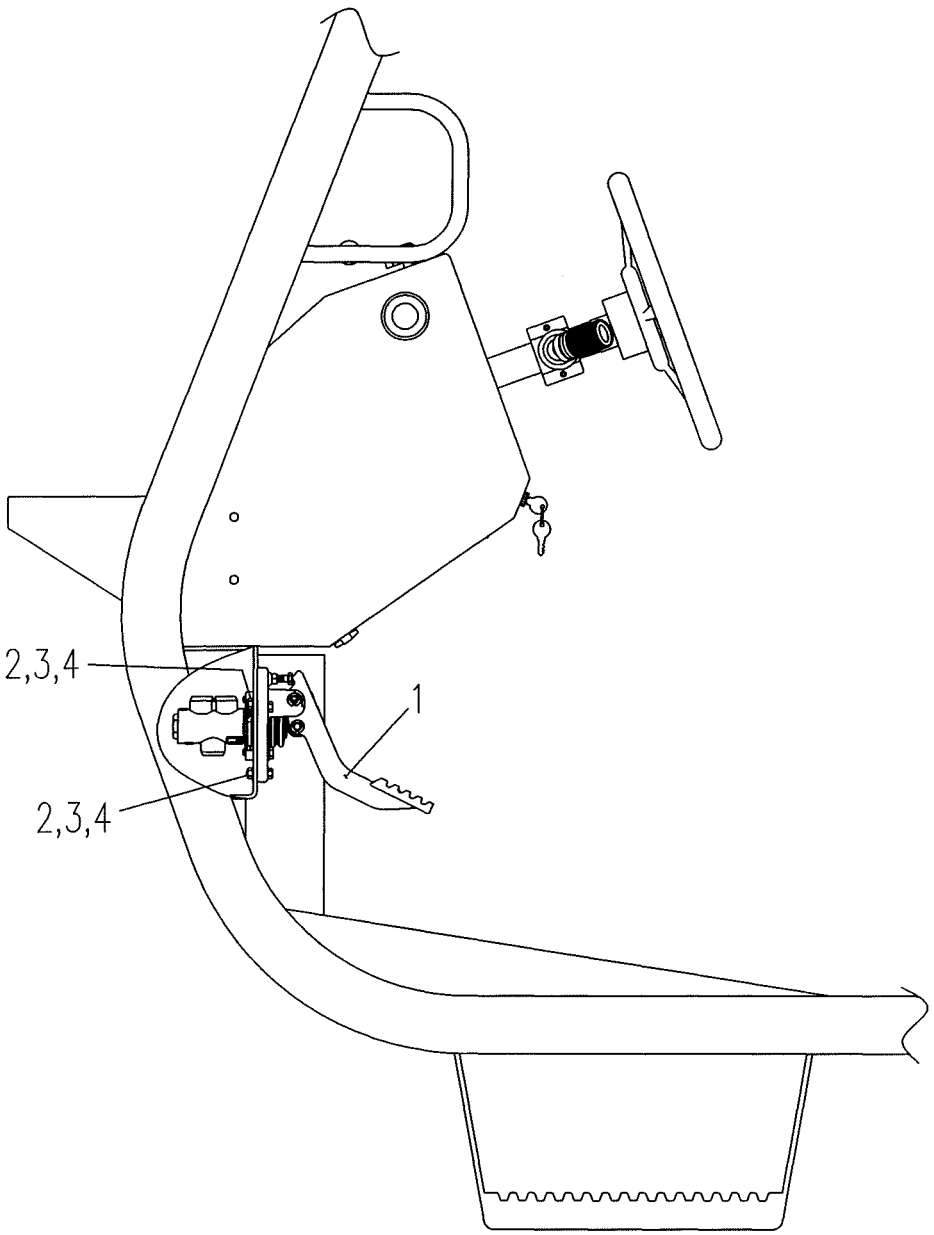
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2302	LARGE BOOM	1
2	4-2209	MIDDLE BOOM	1
3	4-1440	SMALL BOOM	1
4	7-316-243	BOOM CYLINDER	REF
5	4-1239-1	GEAR / 112 TEETH (1)	REF
6	4-1239-2	GEAR / 28 TEETH (1)	REF
7	4-1239-3	GEAR / 18 TEETH (1)	REF
8	3-1243-1	RACK (1)	REF
9	4-1239-4	SPROCKET / 35 TEETH (1)	REF
10	7-115-01	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	4-1074-1B	ROLLER / M-BOOM / REAR-TOP	2
24	4-1475-1B	ROLLER / S-BOOM / REAR-TOP	2
25	4-1074-2B	ROLLER / M-BOOM / REAR-BOT	2
26	4-1475-2B	ROLLER / M-BOOM / FRONT-BOT	2
27	4-1475-2B	ROLLER / L-BOOM / FRONT-BOT	2
28	4-1246-4B	SHEAVE / CHAIN / FRONT	2
29	4-1074-8B	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	REF
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	4
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	2-1184	WEAR PAD / BOOM	4
50	4-1711-1	SUPPORT / BOOM CYLINDER	1
51	6-4516-24	BRONZE BUSHING / SMALL BOOM	REF
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	REF
85	6-5206-20	CAPSCREW 3/8 NC x 2 1/2 LG.	2
86	1-1306	WASHER / STEEL	1
87	6-6201-08	HEX NUT 1/2 NC	2
88	1-1101-3	SHIM / 3/16	4
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	4-1074-3B	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	REF
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	2
103	6-9600-119	EDGING 1/2 x 14 7/8 LG.	1
104	3-1404	SWITCH ACTIVATOR	1
105	6-6275-04	SETSCREW / 3/8 NC x 3/4 LG.	3



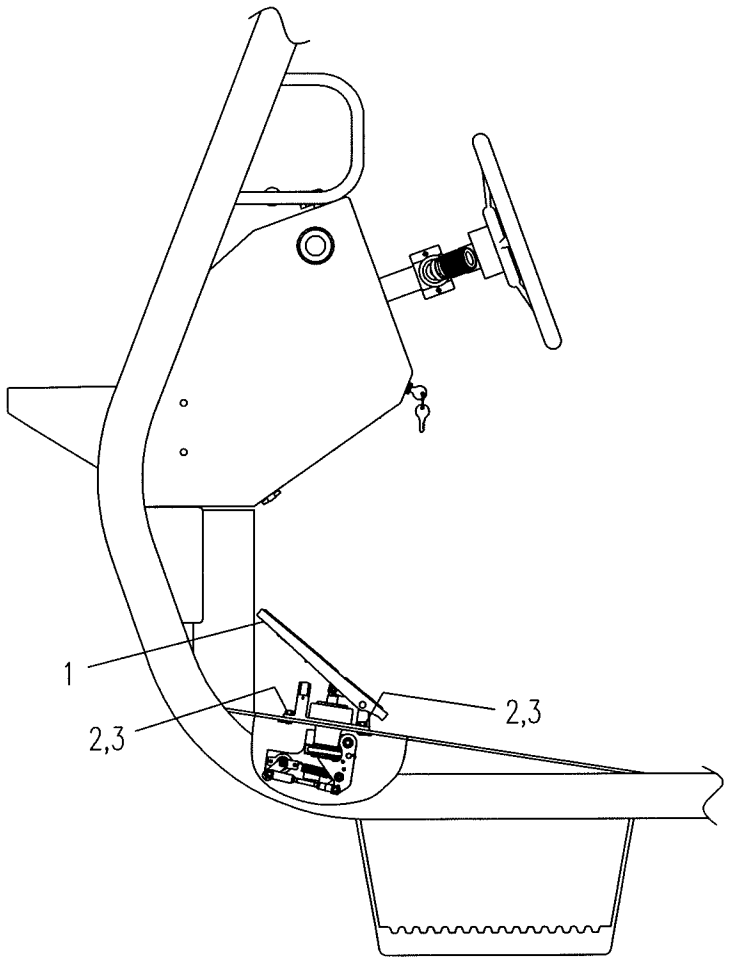
10	PAGE NUMBER	STABILIZER ASSEMBLY TH1048C		DRAWING NUMBER	P1-1488

ITEM	NUMBER	DESCRIPTION	REQD
1	4-2268	STABILIZER FRAME	1
2	4-1166	STABILIZER ARM	2
3	3-1143	STABILIZER PAD	2
4	7-316-394	STABILIZER CYLINDER	2
5	3-1479	PIN / STABILIZER FRAME PIVOT	1
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
11	7-296-02	TENSION BUSHING 2.00 ID	4
12	1-1505	RETAINER / STABILIZER PIVOT PIN	1
13	6-6211-08	LOCKWASHER 1/2	2
14	6-5208-10	CAPSCREW 1/2 NC x 1 1/4 LG.	2
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	6-5312-84	CAPSCREW 3/4 NF x 10 1/2 LG.	8
22	2-1256	BASE PLATE	2
23	6-6211-12	LOCKWASHER 3/4	8
24	6-6202-12	HEX NUT 3/4 NF	8
25	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
26	6-6211-05	LOCKWASHER 5/16	4
27	3-1482	COVER / VALVE BLOCK	2

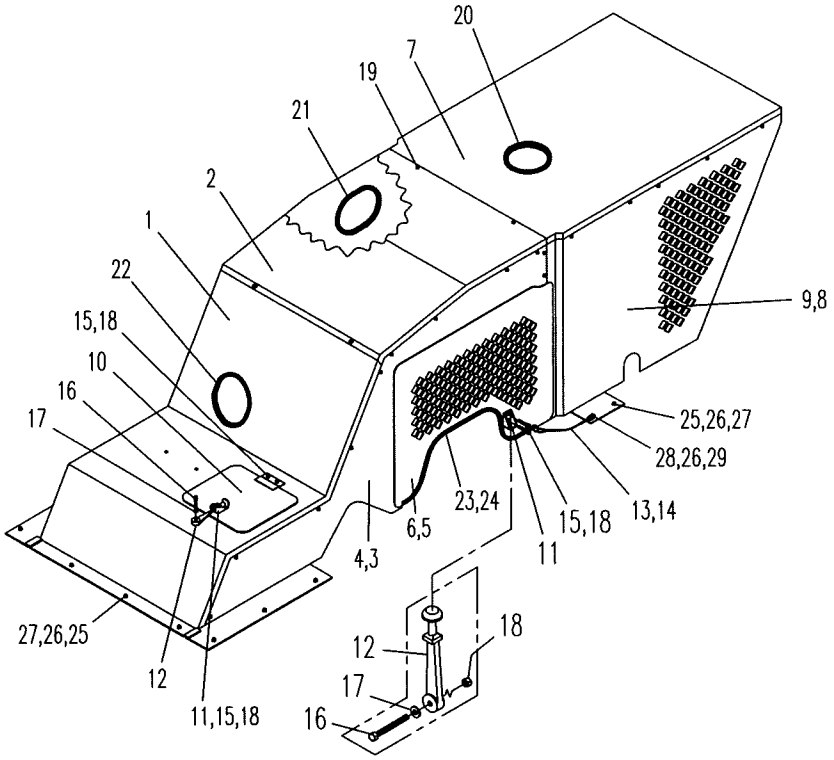


ITEM	NUMBER	DESCRIPTION	REQD
1	7-198-48	BRAKE PEDAL / HANGING	REF
2	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	3
3	6-6211-06	LOCKWASHER 3/8	3
4	6-6201-06	HEX NUT 3/8 NC	3
5	7-198-49	SEAL KIT (FOR ITEM 1)	REF

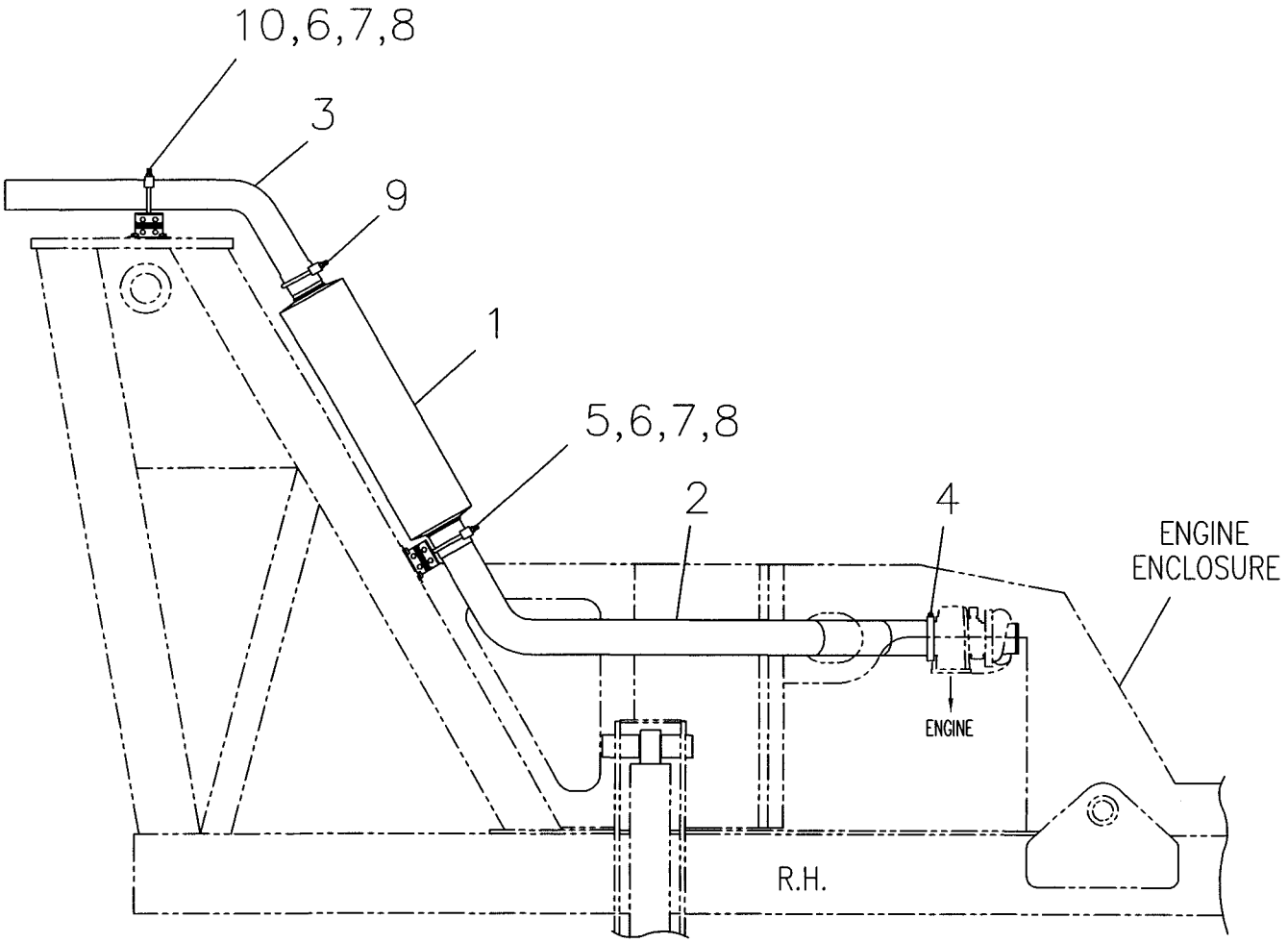
NOTES



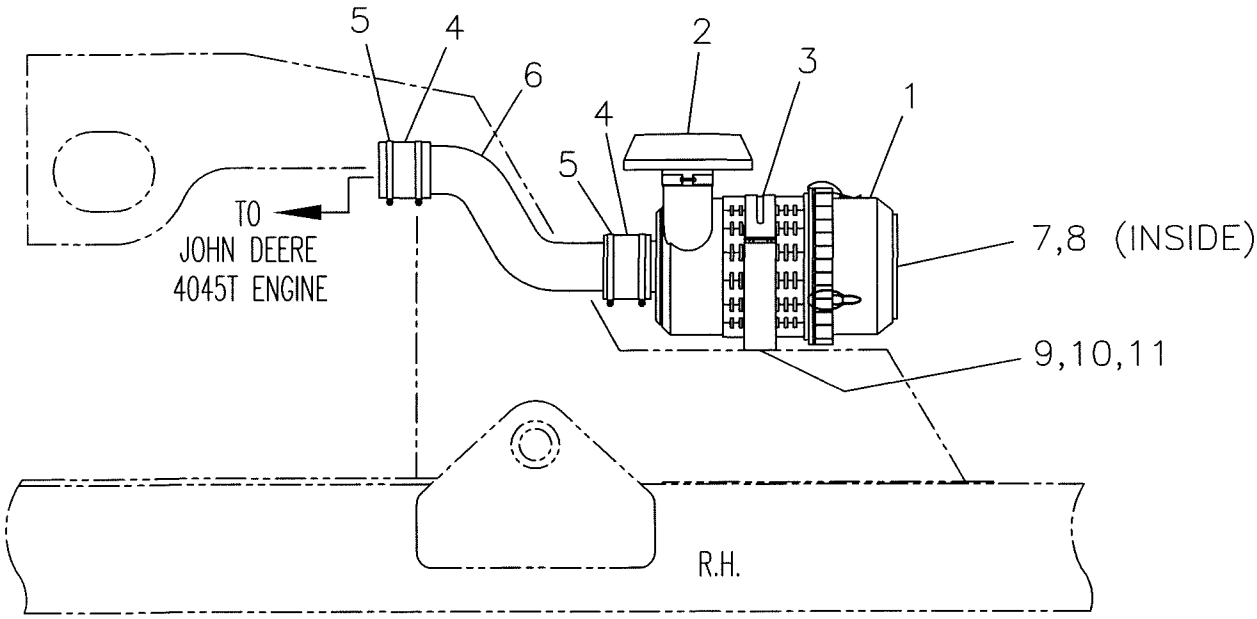
ITEM	NUMBER	DESCRIPTION	REQD
1	7-180-01	PEDAL / ACCELERATOR	1
2	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	3
3	6-6211-04	LOCKWASHER 1/4	3



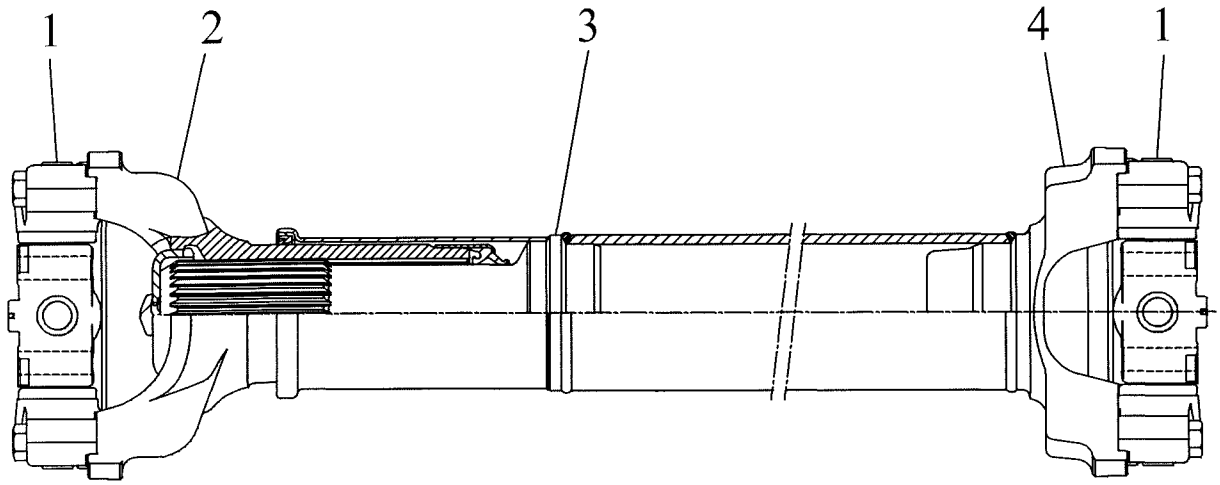
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2347-1	TOP FRONT COVER / FRONT HOUSING	1
2	4-2345-2	TOP REAR COVER / FRONT HOUSING	1
3	4-2345-3	SIDE PLATE / LH / FRONT HOUSING	1
4	4-2345-4	SIDE PLATE / RH / FRONT HOUSING	1
5	4-2347-5	SIDE SCREEN / RH / FRONT HOUSING	1
6	4-2347-6	SIDE SCREEN / LH / FRONT HOUSING	1
7	4-2347-7	TOP COVER / REAR HOUSING	1
8	4-2345-8	SIDE PLATE / LH / REAR HOUSING	1
9	4-2345-9	SIDE PLATE / RH / REAR HOUSING	1
10	4-2346-7	ACCESS COVER / FRONT HOUSING	1
11	7-360-01	PLASTIC HOLDER	3
12	7-360-02	LATCH / RUBBER	3
13	7-197-10	CABLE / TETHER	2
14	7-194-81	SPLIT RING	2
15	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	8
16	6-5204-10	CAPSCREW 1/4 NC x 1 1/4 LG.	3
17	6-6212-04	FLATWASHER 1/4	3
18	6-6205-04	SELF LOCKING NUT 1/4 NC	11
19	7-290-01	BODY BOLT 5/16 NC x 3/4 LG.	36
20	6-9601-134	EDGING 1/4 x 16 3/4 LG.	1
21	6-9601-156	EDGING 1/4 x 19 1/2 LG.	1
22	6-9601-178	EDGING 1/4 x 22 1/4 LG.	1
23	6-9601-252	EDGING 1/4 x 31 1/2 LG.	1
24	6-9601-224	EDGING 1/4 x 28 LG.	1
25	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	11
26	6-6211-06	LOCKWASHER 3/8	13
27	6-6212-06	FLATWASHER 3/8	11
28	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	2
29	7-190-02	FLATWASHER 3/8 LARGE	2
30	4-2347	ENGINE ENCLOSURE ASSY (ITEMS 1-10)	REF



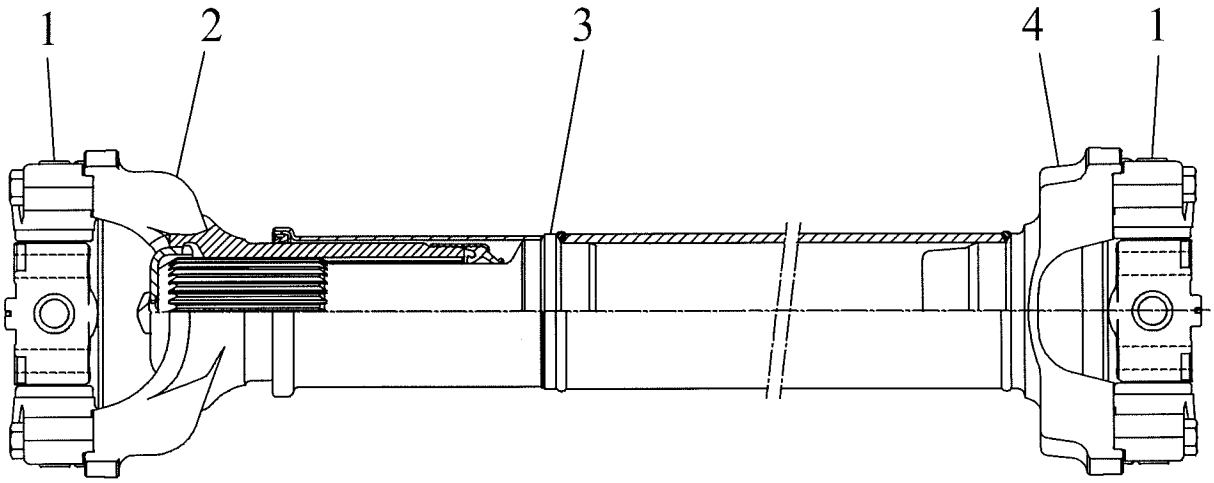
ITEM	NUMBER	DESCRIPTION	REQD
1	7-282-05	MUFFLER	1
2	4-1721	EXHAUST PIPE	1
3	3-1349	TAILPIPE	1
4	7-183-98	CLAMP / V-FLANGE (w/ ENGINE)	REF
5	3-1481	EXHAUST BRACKET ASSY / 3 1/2	1
6	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	4
7	6-6211-06	LOCKWASHER 3/8	4
8	6-6212-06	FLATWASHER 3/8	4
9	7-319-14	CLAMP / MUFFLER / 3 1/4 IN.	1
10	3-1400	EXHAUST BRACKET ASSY / 3 IN.	1



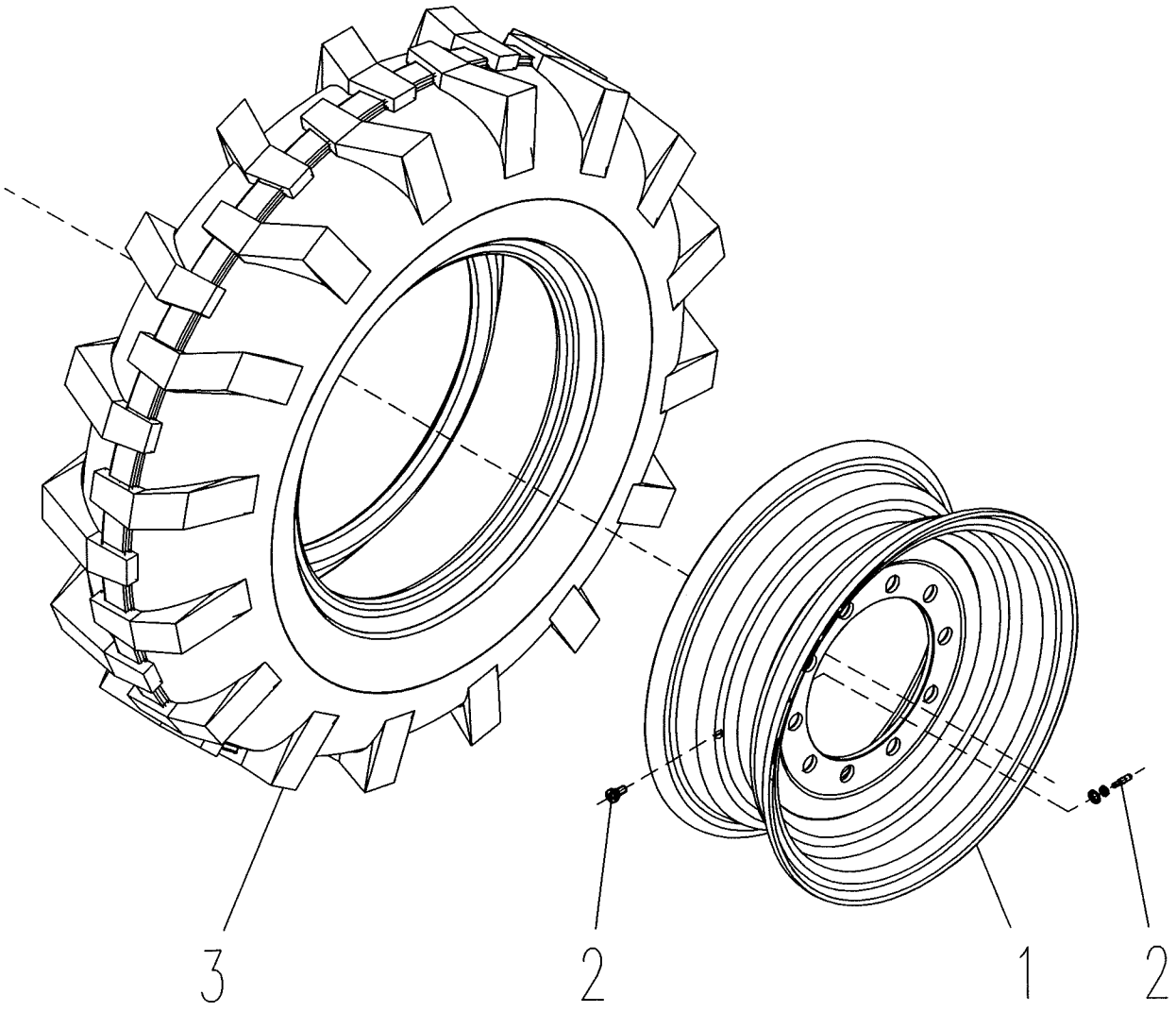
ITEM	NUMBER	DESCRIPTION	REQD
1	7-109-01	AIR CLEANER ASSEMBLY	1
2	7-109-02	HOOD	1
3	7-109-03	MOUNTING BAND	1
4	6-9619-26	RUBBER HOSE 3 ID x 3 1/4 LG.	2
5	6-6252-13	CLAMP / WORM	4
6	3-1438	AIR INLET PIPE	1
7	7-109-04	FILTER / PRIMARY	REF
8	7-109-14	FILTER / SECONDARY	REF
9	6-5205-10	CAPSCREW 5/16 NC x 1 1/4 LG.	2
10	6-6212-05	FLATWASHER 5/16	2
11	6-6205-05	SELF LOCKING NUT 5/16 NC	2



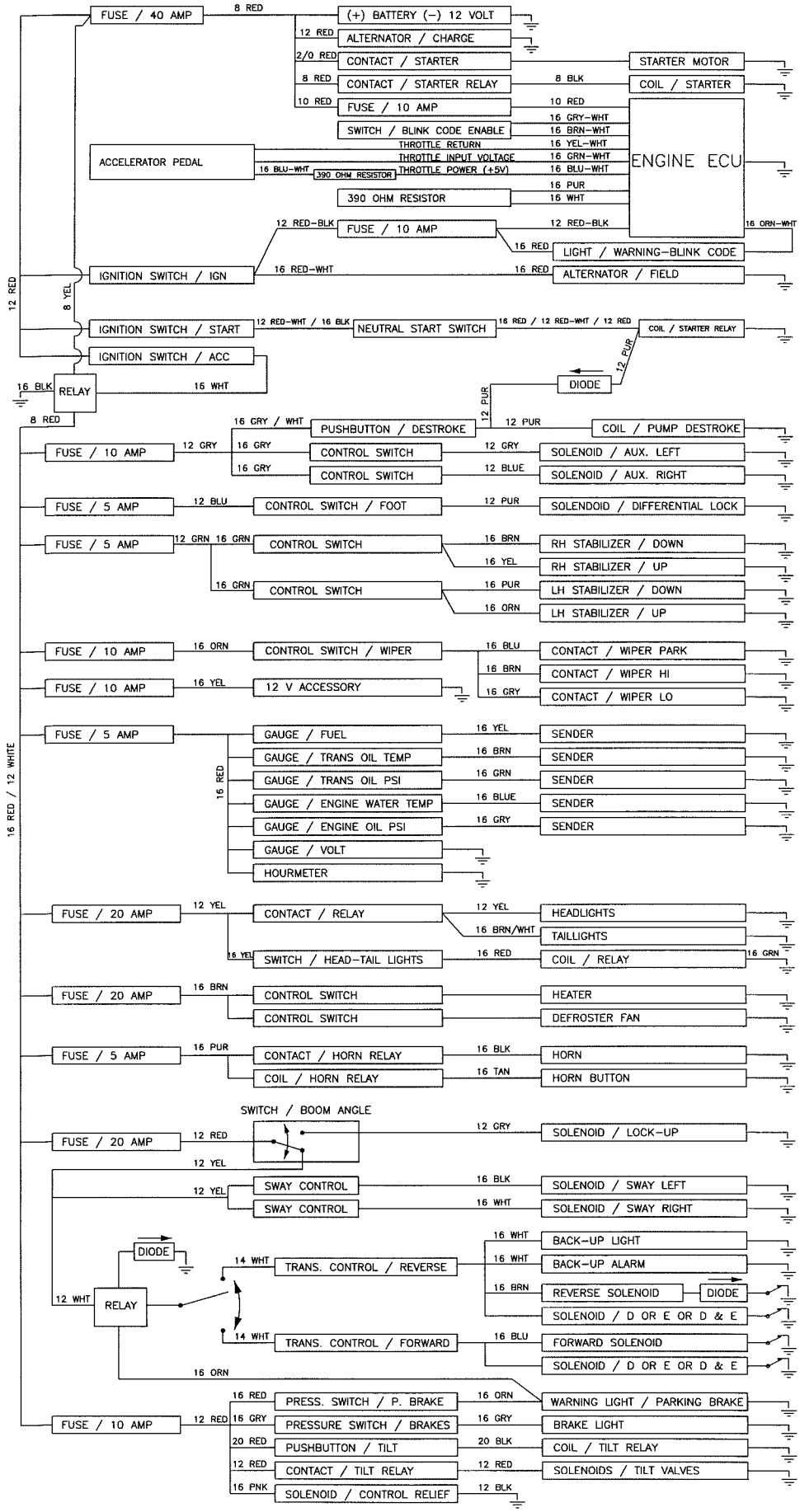
ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-903	CROSS & BEARING ASSEMBLY	2
2	7-229-904	SLIP YOKE	1
3	7-229-905	SLIP STUB	1
4	7-229-906	WELD YOKE	1
5	7-229-890	DRIVESHAFT ASSY (INCL. ITEMS 1-4)	REF



ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-903	CROSS & BEARING ASSEMBLY	2
2	7-229-904	SLIP YOKE	1
3	7-229-905	SLIP STUB	1
4	7-229-906	WELD YOKE	1
5	7-229-891	DRIVESHAFT ASSY (INCL. ITEMS 1-4)	REF

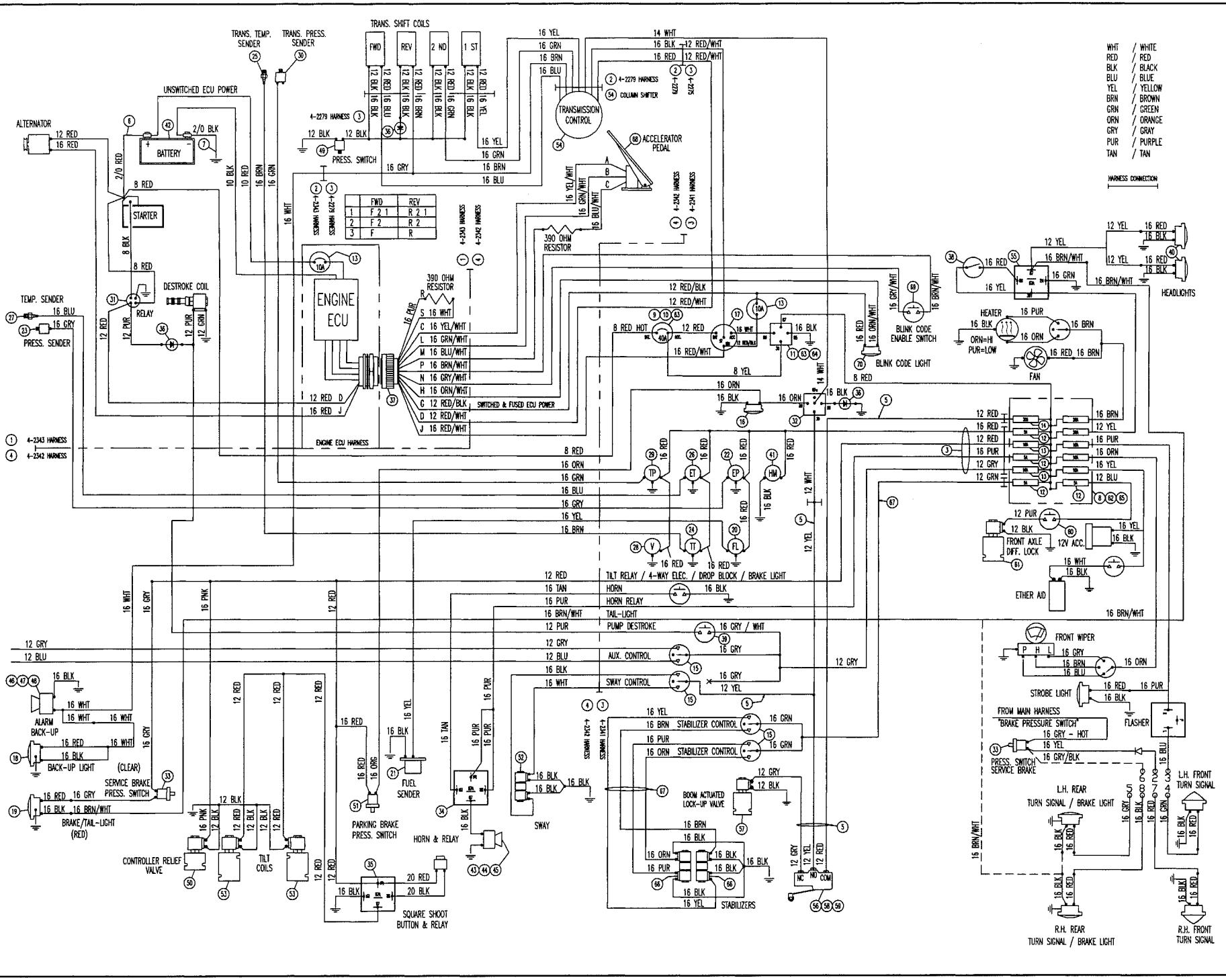


ITEM	NUMBER	DESCRIPTION	REQD
1	7-166-05	WHEEL	1
2	7-286-01	VALVE STEM / AIR-CHLORIDE-FOAM	1
3	7-166-09	TIRE 14.00-24	1
4	7-166-10	TIRE & WHEEL ASSY / RH	REF
5	7-166-11	TIRE & WHEEL ASSY / LH	REF



DRAWING NUMBER P1-1879	ELECTRIC SCHEMATIC TH1048C w/ JD-4045 TIER II ENGINE	PAGE NUMBER 19

WIRING DIAGRAM TH1056C w/ JD-4045 TIER II ENGINE

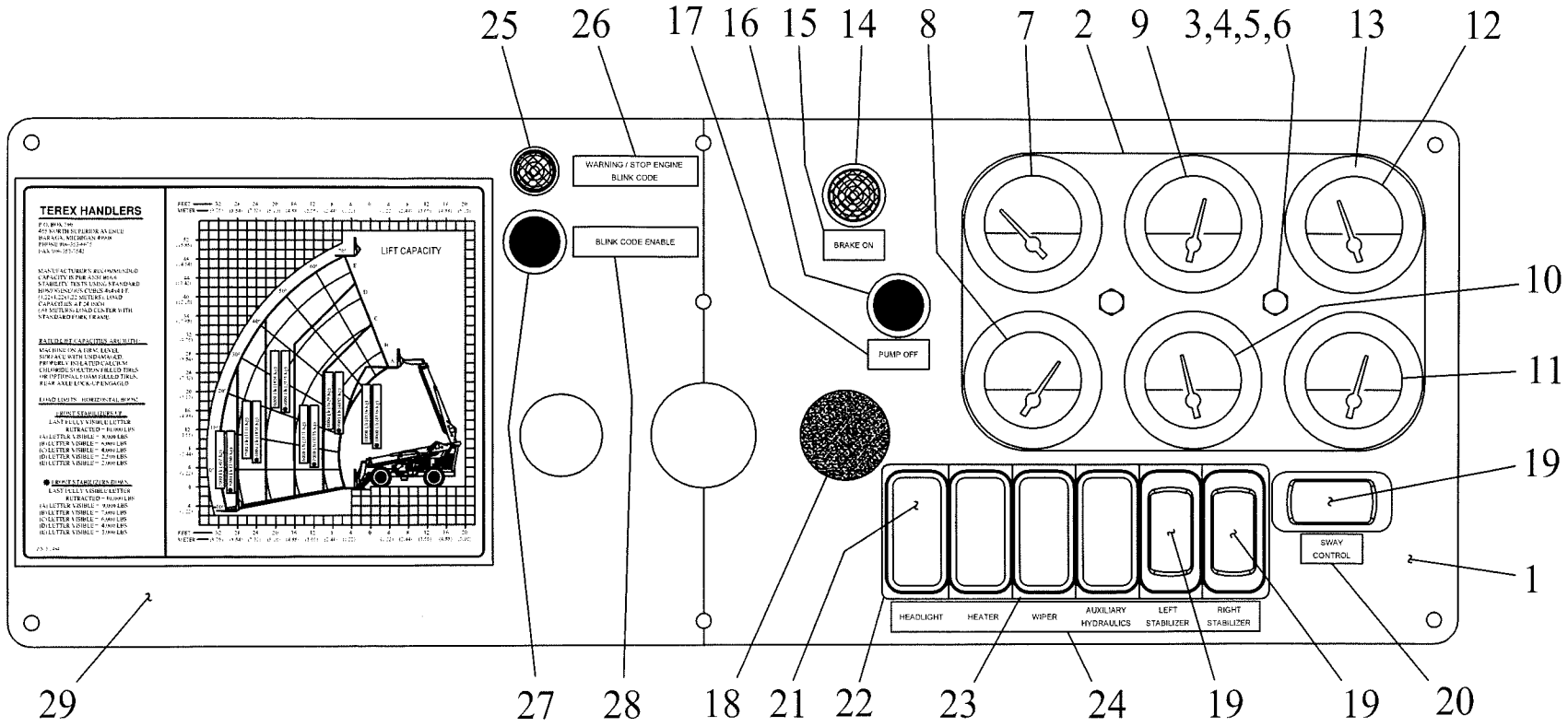


ITEM	NUMBER	DESCRIPTION	REQD
1	4-2343	HARNESS / ENGINE & TRANS.	1
2	4-2279	HARNESS / COLUMN MOUNTED SHIFTER	1
3	4-2341	HARNESS / INSTRUMENT PANEL	1
4	4-2342	HARNESS / MAIN POWER	1
5	3-1487	HARNESS / REAR LOCK-UP	1
6	6-7801-132B	BATTERY CABLE / RED	REF
7	6-7802-88B	BATTERY CABLE / BLACK	REF
8	7-269-135	FUSE BLOCK	1
9	7-269-139	CIRCUIT BREAKER / 40 AMP.	1
10	7-269-140	BOOT / CIRCUIT BREAKER	1
11	7-269-142	RELAY / HIGH CAPACITY	1
12	7-269-129	FUSE / 5 AMP.	4
13	7-269-130	FUSE / 10 AMP.	2
14	7-269-131	FUSE / 20 AMP.	1
15	7-164-04	SWITCH / SWAY-AUXILIARY-STABILIZ.	REF
16	7-127-05	LIGHT / WARNING	REF
17	7-146-01	SWITCH / IGNITION / KEY	1
18	7-136-02	LIGHT / BACK-UP	REF
19	7-136-03	LIGHT / TAIL-BRAKE	REF
20	7-172-02	GAGE / FUEL	REF
21	7-172-03	SENDER / FUEL	1
22	7-172-04	GAGE / ENGINE OIL PRESSURE	REF
23	7-172-05	SENDER / ENGINE OIL PRESSURE	REF
24	7-172-06	GAGE / TRANSMISSION OIL TEMP.	REF
25	7-172-07	SENDER / TRANSMISSION OIL TEMP.	REF
26	7-172-08	GAGE / ENGINE WATER TEMP.	REF
27	7-172-09	SENDER / ENGINE WATER TEMP.	REF
28	7-172-10	GAGE / VOLTMETER	REF
29	7-172-11	GAGE / TRANSMISSION OIL PRESSURE	REF
30	7-172-16	SENDER / TRANS. OIL PRESSURE	REF
31	7-183-18	RELAY / STARTER	REF
32	7-338-02	RELAY / PARKING BRAKE	1
33	7-206-03	PRESSURE SWITCH / BRAKE LIGHT	REF
34	7-338-02	RELAY / HORN	1
35	7-338-02	RELAY / TILT	1
36	7-281-01	DIODE / 3A-50V	REF
37	7-133-13	CONNECTOR-21 PIN	REF
38	7-164-02	SWITCH / HEADLIGHTS	REF
39	7-319-03	PUSHBUTTON / PUMP DESTROKE	REF
40	7-338-03	HEADLIGHT	REF
41	7-350-02	HOURMETER	1
42	7-355-01	BATTERY / 12 VOLT	REF
43	7-369-01	HORN	1
44	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	1
45	6-6211-04	LOCKWASHER 1/4	1
46	7-375-01	BACK-UP ALARM	1
47	6-5205-04	CAPSCREW 5/16 NC x 1/2 LG.	2
48	6-6211-05	LOCKWASHER 5/16	2
49	7-303-03	PRESSURE SWITCH / CLUTCH CUT-OFF	REF
50	7-367-01	VALVE / CONTROLLER RELIEF	REF
51	7-303-02	PRESSURE SWITCH / PARKING BRAKE	REF
52	7-244-31	VALVE / ELECTRIC 4-WAY / SWAY	REF

ITEM	NUMBER	DESCRIPTION	REQD
53	7-367-09	VALVE / ELECTRIC 4-WAY / TILT	REF
54	7-125-05	TRANSMISSION CONTROL	REF
55	7-338-02	RELAY / HEADLIGHTS	REF
56	7-101-04	SWITCH / REAR LOCK-UP	1
57	7-367-13	VALVE / REAR LOCK-UP	REF
58	6-6284-03	MACHINE SCREW #8-32 x 1 LG.	2
59	6-6286-11	INTERNAL STARWASHER #8	2
60	7-127-09	SWITCH / DIFF. LOCK	1
61	7-367-02	VALVE / DIFF. LOCK	REF
62	6-6284-06	MACHINE SCREW #10-24 x 1 LG.	2
63	6-6284-10	MACHINE SCREW #10-24 x 5/8 LG.	2
64	6-6286-12	FLATWASHER #10	1
65	6-6286-06	HEX NUT #10-32	1
66	7-244-31	VALVE / 4-WAY ELECTRIC / STABIL.	REF
67	3-1486	HARNESS / STABILIZER VALVE	1
68	7-180-01	PEDAL / ACCELERATOR	REF
69	7-319-03	PUSHBUTTON / BLINK CODE ENABLE	REF
70	7-183-183	LIGHT / WARNING-BLINK CODE	REF

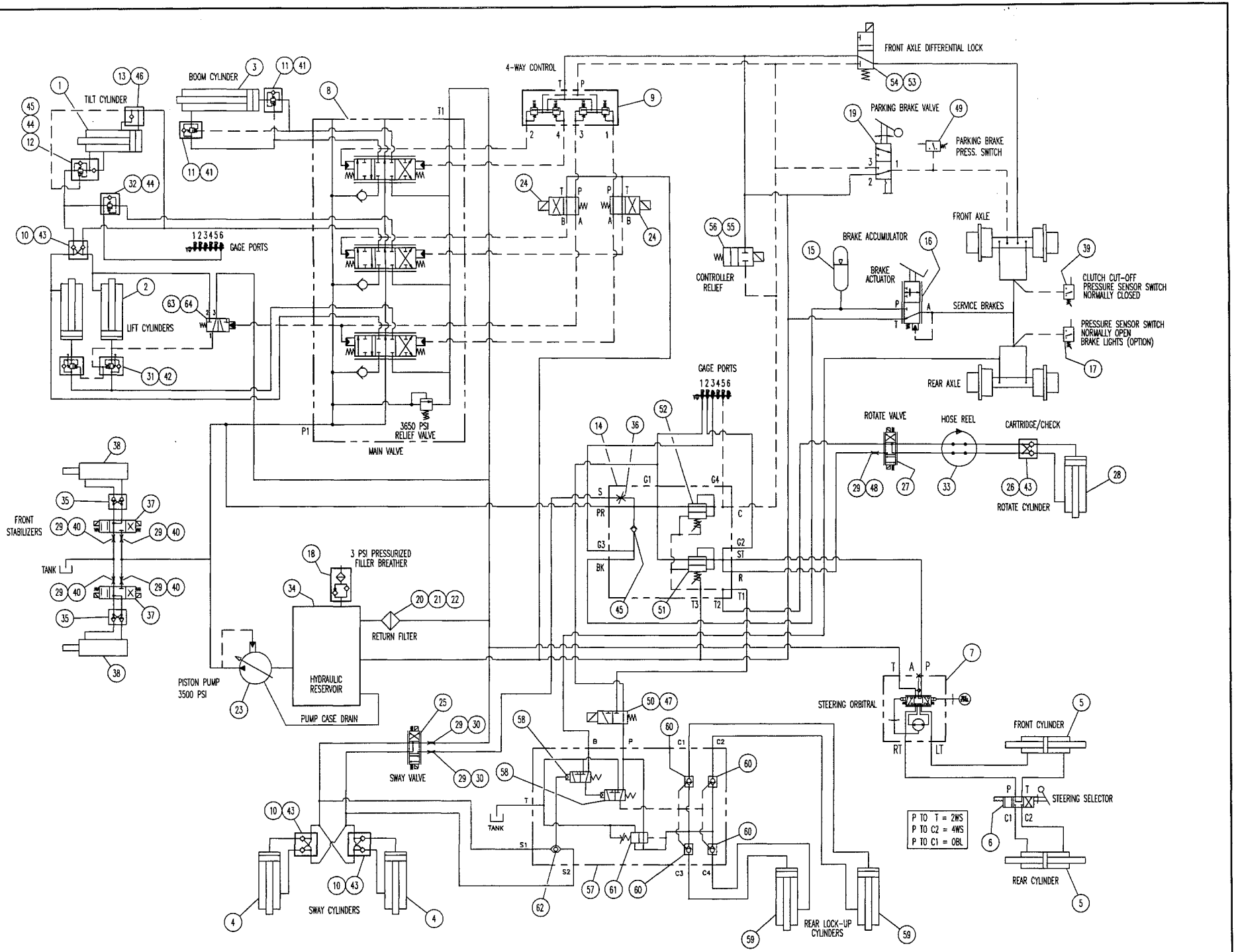
NOTES

INSTRUMENT PANEL ASSEMBLY
TH1048C w/ JD-4045 TIER II ENGINE



ITEM	NUMBER	DESCRIPTION	REQD
1	7-132-03	DASH PANEL / RH SIDE	REF
2	2-1062	GAGE COVER	1
3	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	2
4	6-6212-04	FLATWASHER 1/4	2
5	6-6211-04	LOCKWASHER 1/4	2
6	6-6201-04	HEX NUT 1/4 NC	2
7	7-172-02	GAGE / FUEL	1
8	7-172-04	GAGE / ENGINE OIL PRESSURE	1
9	7-172-06	GAGE / TRANS. OIL TEMP.	1
10	7-172-08	GAGE / ENGINE WATER TEMP.	1
11	7-172-10	GAGE / VOLTMETER	1
12	7-172-11	GAGE / TRANS. OIL PRESSURE	1
13	1-2006	SEAL RING / GAGE	6
14	7-127-05	LIGHT / WARNING	1
15	2-1271-1	DECAL / BRAKE ON	REF
16	7-319-03	SWITCH / PUSHBUTTON / DESTROKE	1
17	2-1270-1	DECAL / PUMP OFF	REF
18	7-144-11	HOLE PLUG / 1 3/8 DIA. / TURN SIGNAL	1
19	7-164-04	SWITCH / SWAY-STABILIZER	3
20	2-1269-1	DECAL / SWAY CONTROL	REF
21	7-164-05	NGR PANEL PLUG	4
22	7-164-06	END BEZEL	2
23	7-164-07	CENTER BEZEL	4
24	2-1267-1	DECAL / DASH GANG SWITCHES	REF
25	7-183-183	LIGHT / BLINK CODE	1
26	2-1333-1	DECAL / WARNING-BLINK CODE	REF
27	7-319-03	SWITCH / PUSHBUTTON / BLINK CODE	1
28	2-1332-1	DECAL / BLINK CODE ENABLE	REF
29	7-132-04	DASH PANEL / LH SIDE	REF

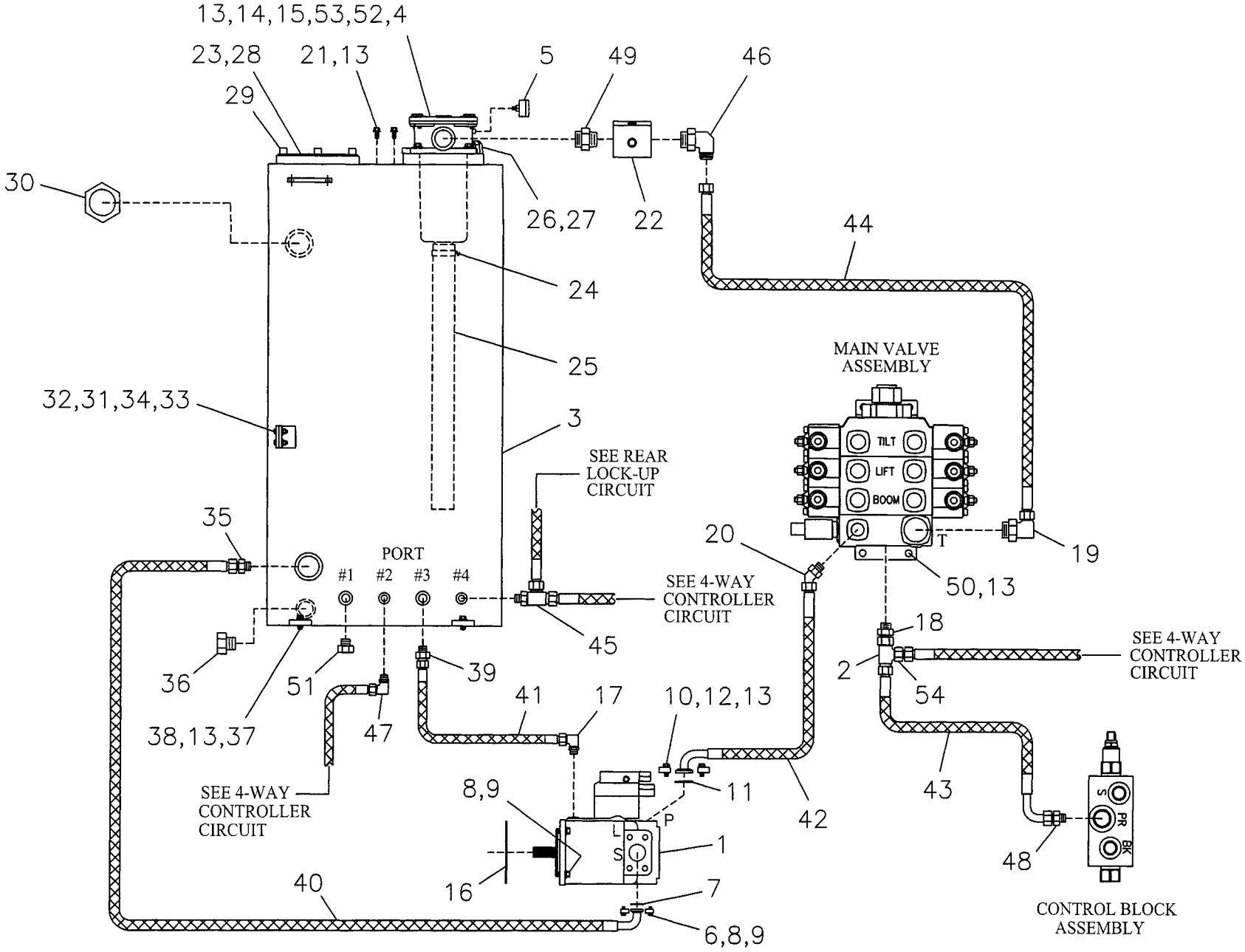
HYDRAULIC SCHEMATIC
TH1048C



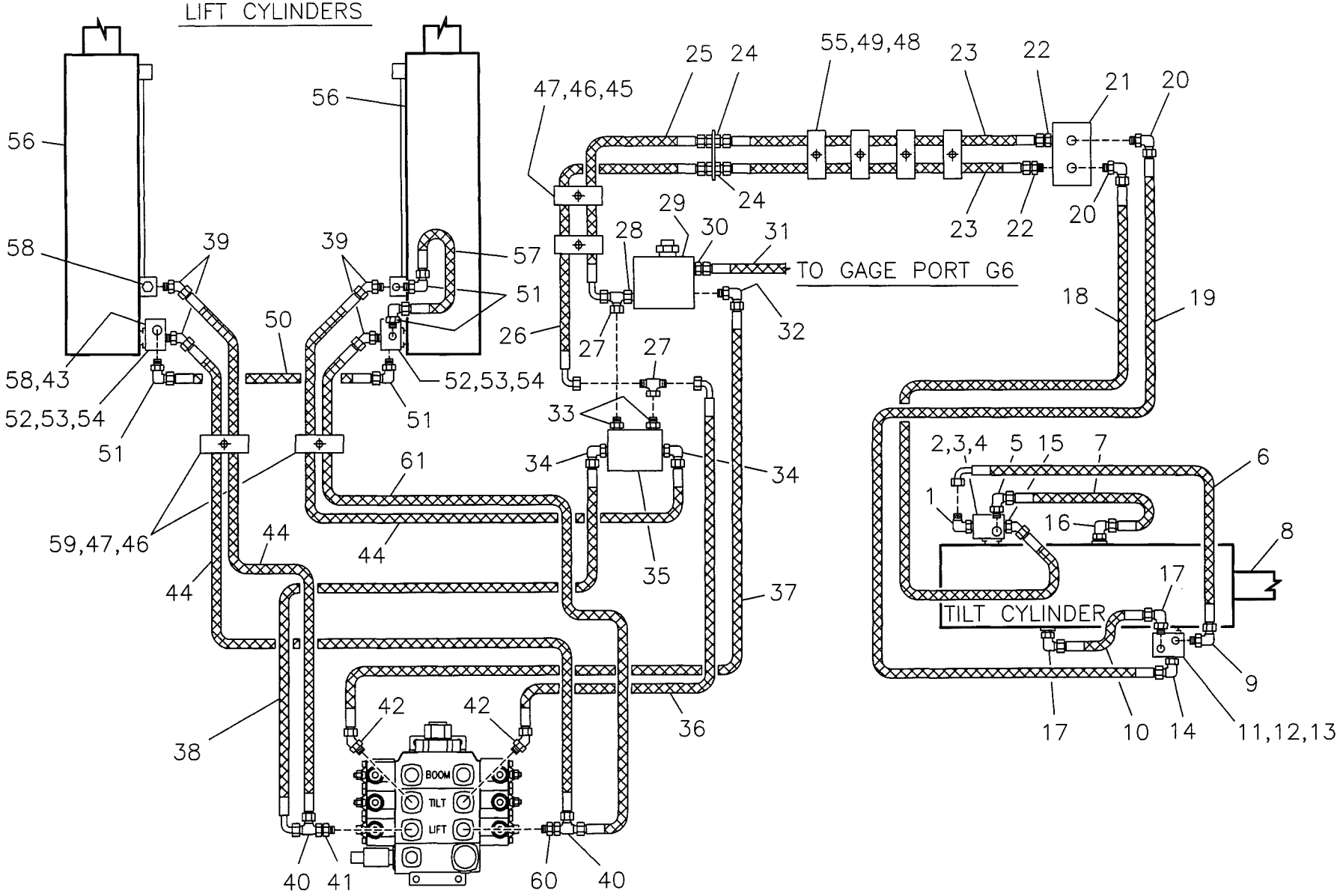
ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-242	CYLINDER / TILT	REF
2	7-316-241	CYLINDER / LIFT	REF
3	7-316-243	CYLINDER / BOOM	REF
4	7-379-50	CYLINDER / SWAY	REF
5	7-229-871	CYLINDER / STEERING	REF
6	7-359-02	SELECTOR VALVE / STEERING	1
7	7-147-01	STEERING ORBITRAL	1
8	7-200-80	VALVE ASSEMBLY / 3 SECTION	1
9	7-200-139	CONTROLLER / 4-WAY	1
10	7-234-04	VALVE / DUAL CHECK	3
11	7-234-03	VALVE / MOTION / BOOM	2
12	7-234-01	VALVE / MOTION / HEAD TILT	1
13	7-234-02	VALVE / MOTION / BASE TILT	1
14	7-234-94	CONTROL BLOCK ASSEMBLY	1
15	7-256-~~25~~ 95	ACCUMULATOR / BRAKE	1
16	7-198-48	ACTUATOR / HANGING BRAKE PEDAL	1
17	7-206-03	PRESSURE SWITCH / BRAKE LIGHT	REF
18	7-272-11	FILLER-BREATHER / 3 PSI	REF
19	7-358-08	VALVE / PARKING BRAKE	1
20	7-118-01	FILTER / RETURN	1
21	7-272-10	GAGE / RETURN FILTER	1
22	7-118-02	ELEMENT / RETURN FILTER	REF
23	7-345-113	PUMP ASSEMBLY	1
24	7-367-09	VALVE / 4-WAY ELECTRIC / TILT	2
25	7-244-31	VALVE / 4-WAY ELECTRIC / SWAY	1
26	7-234-35	VALVE / DUAL CHECK	REF
27	7-244-31	VALVE / 4-WAY ELECTRIC / ROTATE	REF
28	7-379-01	CYLINDER / ROTATE / 3.00 BORE	REF
29	1-1219	RESTRICTOR FITTING	REF
30	1-1093-2	RESTRICTOR PLUG (.060)	REF
31	7-234-54	VALVE / MOTION / LIFT	2
32	7-234-50	VALVE / TILT LIMITER	1
33	7-292-01	HOSE REEL / ROTATE	REF
34	4-2270	OIL RESERVOIR	REF
35	7-234-62	CARTRIDGE / CHECK	REF
36	7-234-37	CARTRIDGE / NEEDLE	REF
37	7-244-31	VALVE / 4-WAY ELECTRIC / STABIL.	REF
38	7-316-394	CYLINDER / STABILIZER	REF
39	7-303-03	PRESSURE SWITCH / NORMALLY CLOSED	REF
40	1-1093-3	RESTRICTOR PLUG (.081)	REF
41	7-234-22	CARTRIDGE / COUNTERBALANCE	REF
42	7-234-53	CARTRIDGE / COUNTERBALANCE	REF
43	7-234-18	CARTRIDGE / PILOT CHECK	REF
44	7-234-19	CARTRIDGE / COUNTERBALANCE	REF
45	7-234-80	CARTRIDGE / CHECK	REF
46	7-234-16	CARTRIDGE / CHECK	REF
47	7-367-14	CARTRIDGE / NORMALLY OPEN	REF
48	1-1093-1	RESTRICTOR PLUG (.040)	REF
49	7-303-02	PRESSURE SWITCH / NORMALLY CLOSED	REF
50	7-367-13	VALVE / BOOM ACTIVATED REAR LOCK	1
51	7-234-28	CARTRIDGE / REDUCING-RELIEVING	REF
52	7-234-13	CARTRIDGE / REDUCING-RELIEVING	REF
53	7-367-03	CARTRIDGE / NORMALLY CLOSED	REF

ITEM	NUMBER	DESCRIPTION	REQD
54	7-367-02	SOLENOID VALVE ASSEMBLY	1
55	7-367-06	CARTRIDGE / NORMALLY OPEN	REF
56	7-367-01	VALVE / CONTROLLER RELIEF	1
57	7-168-02	BLOCK ASSEMBLY / REAR LOCK-UP	1
58	7-304-07	CARTRIDGE / MODULAR CONTROL	REF
59	7-379-50	CYLINDER / REAR LOCK-UP	REF
60	7-321-88	CARTRIDGE / PILOT CHECK	REF
61	7-321-89	CARTRIDGE / REDUCING-RELIEVING	REF
62	7-321-90	CARTRIDGE / SHUTTLE	REF

NOTES


13,14,15,53,52,4
23,28
21,13
5
49
46
29
30
26,27
22
44
24
25
32,31,34,33
3
MAIN VALVE ASSEMBLY
TILT
LIFT
BOOM
T
SEE REAR LOCK-UP CIRCUIT
35
PORT
#1
#2
#3
#4
20
19
50,13
SEE 4-WAY CONTROLLER CIRCUIT
45
18
SEE 4-WAY CONTROLLER CIRCUIT
2
54
36
51
39
41
17
10,12,13
38,13,37
47
43
SEE 4-WAY CONTROLLER CIRCUIT
8,9
11
42
P
L
S
1
48
PR
S
BK
16
40
7
6,8,9
CONTROL BLOCK ASSEMBLY

ITEM	NUMBER	DESCRIPTION	REQD
1	7-345-113	PUMP ASSY. / 55cc / SPLINED SHAFT	REF
2	6-6481-07	FITTING / 10 JIC SW-RN-TEE	1
3	4-2270	OIL RESERVOIR	1
4	7-118-01	FILTER / RETURN	REF
5	7-272-10	GAGE / RETURN FILTER	REF
6	7-107-05	SPLIT FLANGE KIT / 2 IN.	1
7	7-209-66	O-RING / 2 IN. S. F. / w/ ITEM 6	REF
8	6-5208-12	CAPSCREW 1/2 NC x 1 1/2 LG.	REF
9	6-6211-08	LOCKWASHER 1/2	REF
10	7-158-36	SPLIT FLANGE / 1 IN. / HALF ONLY	2
11	7-209-67	O-RING / 1 IN. S. F.	1
12	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	4
13	6-6211-06	LOCKWASHER 3/8	16
14	6-6212-06	FLATWASHER 3/8	4
15	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	4
16	7-126-517	GASKET / PUMP DRIVE	REF
17	6-6453-10	FITTING / 10 OR x 08 JIC 90	1
18	6-6450-17	FITTING / 12 OR x 10 JIC STR.	1
19	6-6453-19	FITTING / 16 OR x 16 JIC 90	1
20	6-6452-08	FITTING / 12 OR x 12 JIC 45	1
21	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	2
22	3-1376	MANIFOLD BLOCK	1
23	7-145-02	O-RING / ACCESS COVER	REF
24	7-272-13	T-HOSE CLAMP	1
25	7-364-12	HOSE / 1 1/2 ID x 24 LG.	1
26	7-272-11	FILLER-BREATHER / 3 PSI	1
27	6-6284-08	MACHINE SCREW #10-32 x 3/4 LG.	6
28	7-145-01	COVER PLATE	REF
29	6-5606-04	CAPSCREW SH 3/8 NC x 1/2 LG.	REF
30	7-161-01	SIGHT GLASS	1
31	2-1262	PLATE / PRESSURE CHECK PORTS	REF
32	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	2
33	6-6201-04	HEX NUT 1/4 NC	2
34	6-6211-04	LOCKWASHER 1/4	2
35	7-364-22	FITTING / 24 OR x 24 JIC-O STR.	1
36	6-6457-10	FITTING / 16 OR HEX HEAD PLUG	1
37	1-2016	CLAMP / OIL RESERVOIR	2
38	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	2
39	6-6450-12	FITTING / 08 OR x 08 JIC STR.	1
40	6-7191-193	HOSE / 24 x 32-90 SF x 96 1/2 LG.	1
41	6-7004-256	HOSE / 08 x 08 x 128 LG.	1
42	6-7156-242	HOSE / 12 x 16-90 SF x 121 LG.	1
43	6-7025-36	HOSE / 10 x 10-90 x 18 LG.	1
44	6-7148-52	HOSE / 16 x 16 x 26 LG.	1
45	6-6455-05	FITTING / 06 OR x 06 JIC RN-TEE	REF
46	6-6453-25	FITTING / 20 OR x 16 JIC 90	1
47	6-6453-04	FITTING / 06 OR x 04 JIC 90	1
48	6-6450-15	FITTING / 08 OR x 10 JIC STR.	1
49	6-6436-01	FITTING / 20 OR x 20 NPT STR.	1
50	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	4
51	6-6457-06	FITTING / 08 OR HEX HEAD PLUG	1
52	7-118-02	ELEMENT / RETURN FILTER	REF
53	7-118-03	O-RING / RETURN FILTER FACE	REF
54	6-6495-04	FITTING / 10 JIC F. x 06 JIC M. STR.	1


LIFT CYLINDERS
56
56
56
58
58,43
52,53,54
51
39
39
50
57
51
52,53,54
51
61
59,47,46
44
44
44
47,46,45
25
24
55,49,48
23
22
21
20
24
23
22
20
29
28
30
31
TO GAGE PORT G6
26
27
27
32
33
34
34
35
37
18
19
2,3,4
5
15
7
6
1
16
8
TILT CYLINDER
17
9
17
10
14
11,12,13
36
38
42
42
BOOM
TILT
LIFT
40
41
60
40
MAIN VALVE ASSEMBLY

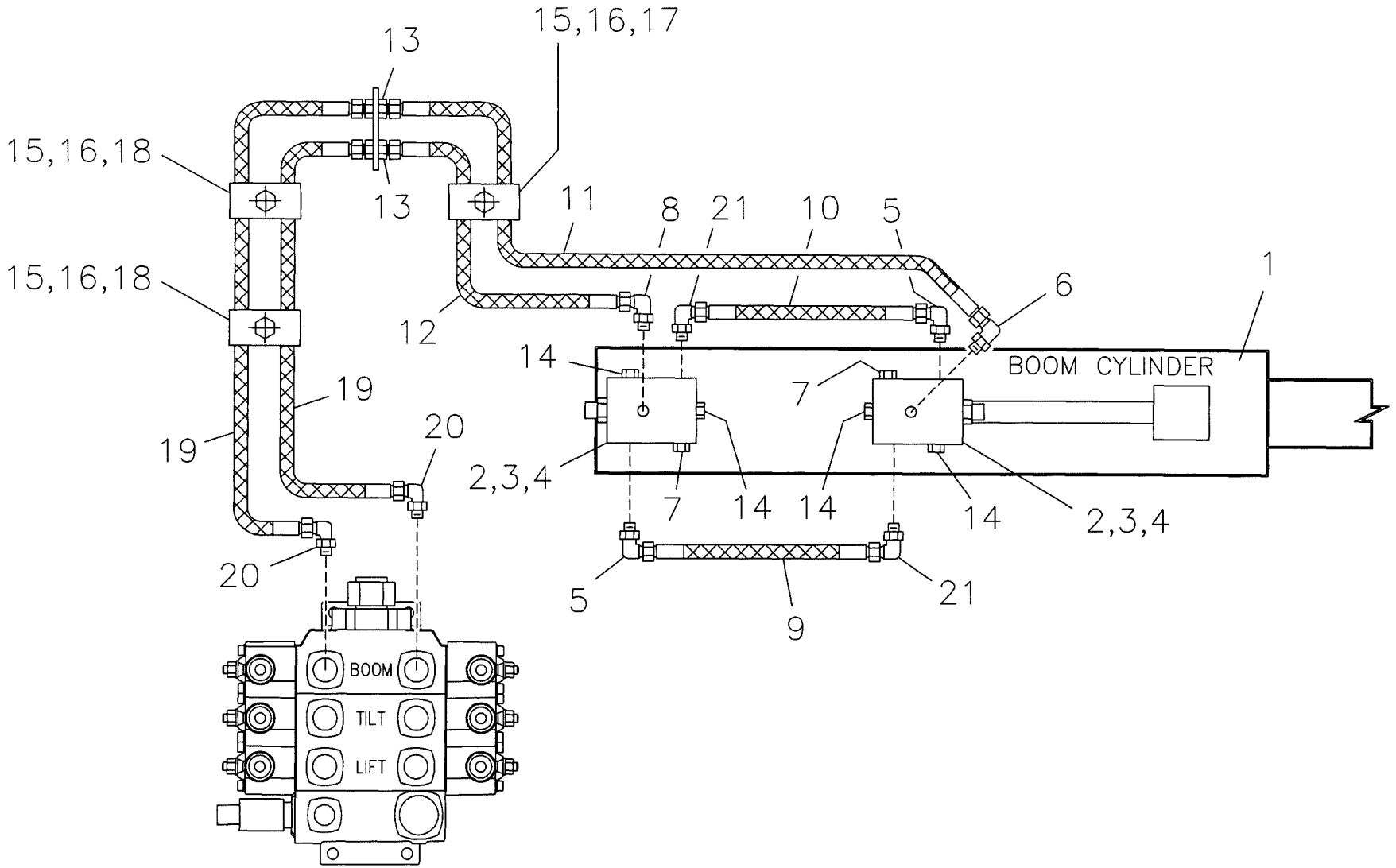
ITEM	NUMBER	DESCRIPTION	REQD
1	6-6453-04	FITTING / 06 OR x 04 JIC 90	1
2	7-234-02	VALVE / MOTION / BASE TILT	REF
3	6-5606-14	CAPSCREW SH 3/8 NC x 1 3/4 LG.	4
4	6-6214-06	LOCKWASHER 3/8 HI-COLLAR	4
5	6-6453-04	FITTING / 06 OR x 04 JIC 90	1
6	6-7022-60	HOSE / 04 x 04-90 x 30 LG.	1
7	6-7002-26	HOSE / 04 x 04 x 13 LG.	1
8	7-316-242	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	6-7022-38	HOSE / 04 x 04-90 x 19 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	1
42	6-6452-17	FITTING / 12 OR x 10 JIC 45	2
43	6-6460-01	FITTING / 04 OR HOLLOW HEX PLUG	REF
44	6-7005-180	HOSE / 10 x 10 x 90 LG.	3
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	7-316-241	CYLINDER / LIFT	REF
57	6-7002-17	HOSE / 04 x 04 x 8 1/2 LG.	1
58	6-6457-05	FITTING / 06 OR HEX HEAD PLUG	3
59	6-5205-16	CAPSCREW 5/16 NC x 2 LG.	2
60	1-1351-2	ORIFICE FITTING / 3/16 DIA.	1
61	6-7005-154	HOSE / 10 x 10 x 77 LG.	1

NOTES

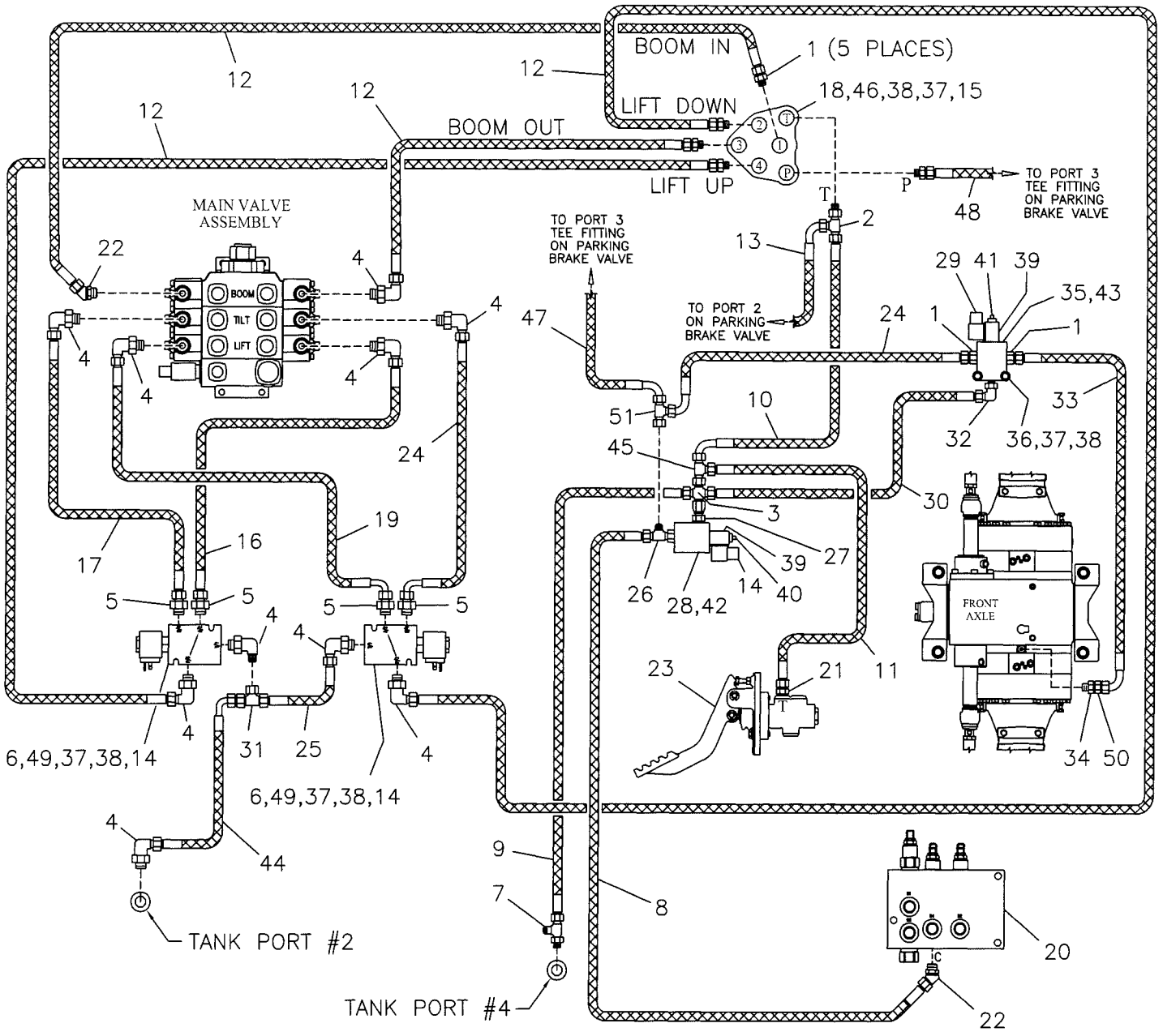
CIRCUIT / BOOM
TH1048C

DRAWING NUMBER P1-1868

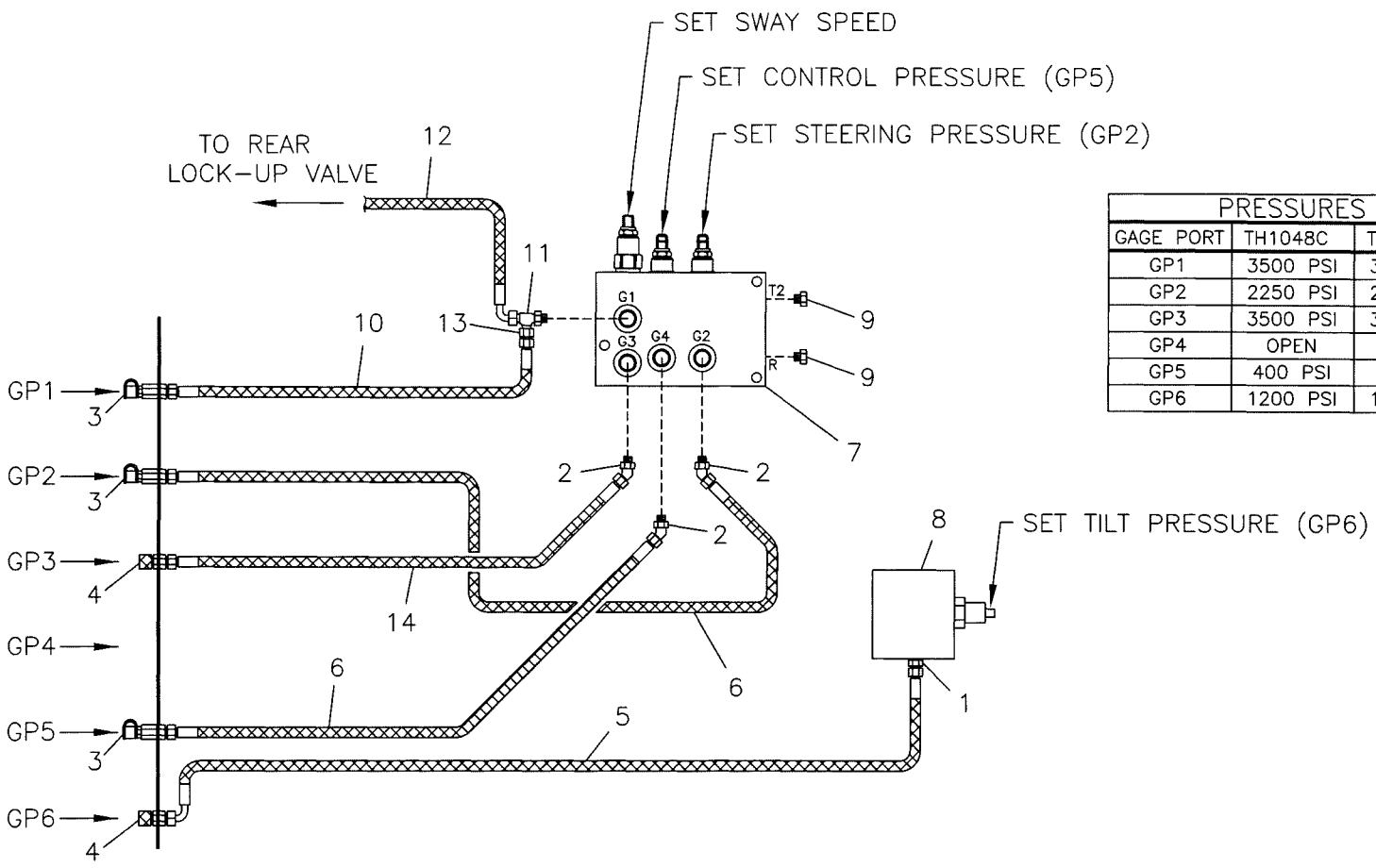


MAIN VALVE ASSEMBLY

ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-243	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	6-6457-03	FITTING / 04 OR HEX HD PLUG	2
8	6-6453-12	FITTING / 10 OR x 10 JIC 90	1
9	6-7002-30	HOSE / 04 x 04 x 15 LG.	1
10	6-7002-30	HOSE / 04 x 04 x 15 LG.	1
11	6-7005-126	HOSE / 10 x 10 x 63 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	6-6457-05	FITTING / 06 OR HEX HD PLUG	4
15	7-273-32	CLAMP HALF SET / 5/8 TWIN HOSE	3
16	7-273-26	COVER PLATE / 5/8 HOSE CLAMP	3
17	6-5205-16	CAPSCREW 5/16 NC x 2 LG.	1
18	6-5205-30	CAPSCREW 5/16 NC x 3 3/4 LG.	2
19	6-7005-154	HOSE / 10 x 10 x 77 LG.	2
20	6-6453-13	FITTING / 12 OR x 10 JIC 90	2
21	6-6453-03	FITTING / 04 OR x 04 JIC 90	2

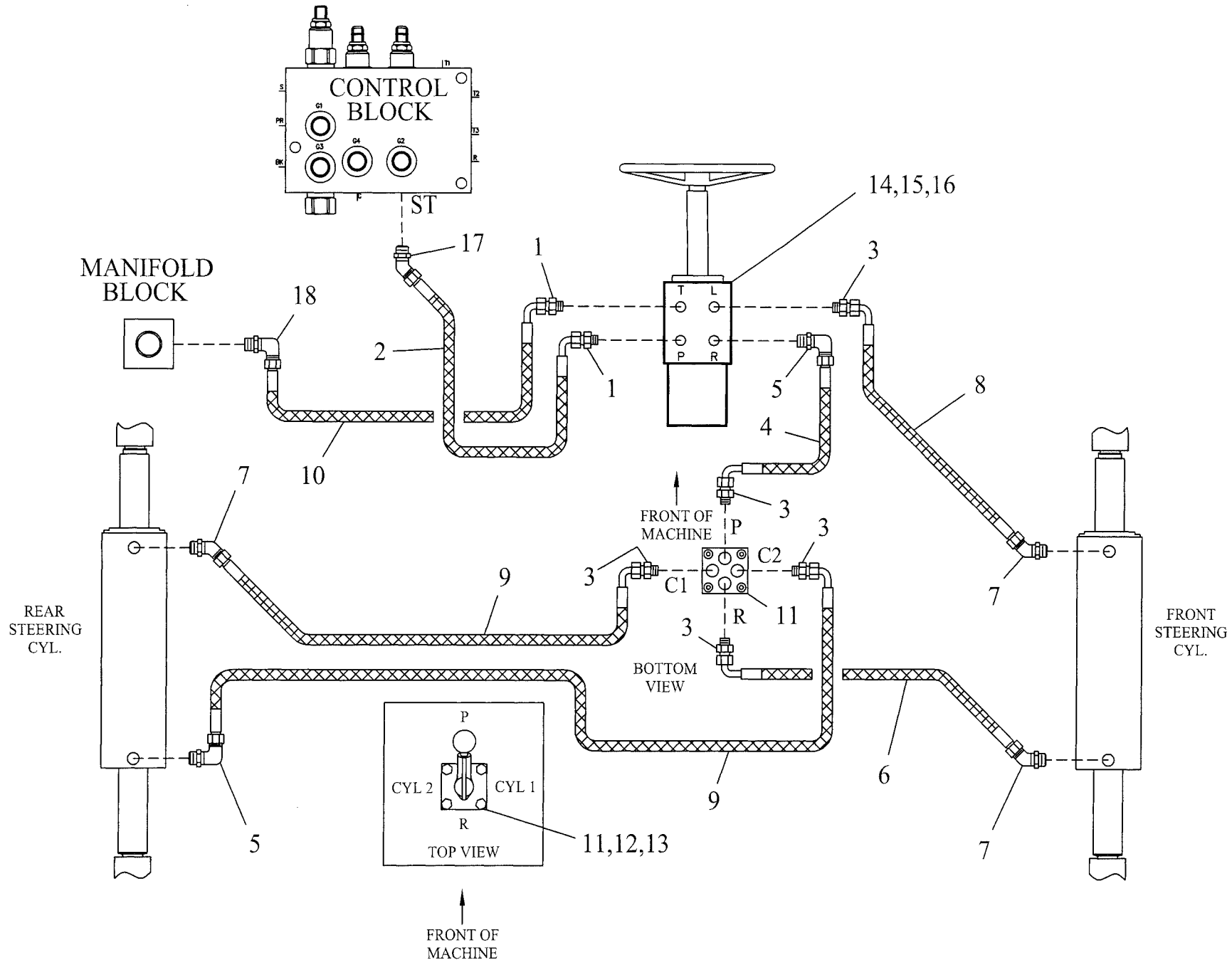

BOOM IN
1 (5 PLACES)
LIFT DOWN
18,46,38,37,15
BOOM OUT
LIFT UP
MAIN VALVE ASSEMBLY
BOOM
TILT
LIFT
TO PORT 3 TEE FITTING ON PARKING BRAKE VALVE
TO PORT 2 ON PARKING BRAKE VALVE
TO PORT 3 TEE FITTING ON PARKING BRAKE VALVE
FRONT AXLE
6,49,37,38,14
6,49,37,38,14
TANK PORT #2
TANK PORT #4
12
22
4
13
2
48
29 41 39
35,43
24
1
47
51
10
45
3
30
33
32
36,37,38
19
16
17
5
27
39
14
40
26
28,42
23
21
11
31
25
44
9
7
8
20
34 50

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-05	FITTING / 06 OR x 04 JIC STR	7
2	6-6455-05	FITTING / 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	9
5	6-6450-05	FITTING / 06 OR x 04 JIC STR	4
6	7-367-09	VALVE ASSEMBLY / ELECTRIC	REF
7	6-6455-05	FITTING / 06 OR x 06 JIC RN-TEE	1
8	6-7002-180	HOSE / 04 x 04 x 90 LG.	1
9	6-7003-174	HOSE / 06 x 06 x 87 LG.	1
10	6-7023-62	HOSE / 06 x 06-90 x 31 LG.	1
11	6-7003-150	HOSE / 06 x 06 x 75 LG.	1
12	6-7002-276	HOSE / 04 x 04 x 138 LG.	4
13	6-7023-100	HOSE / 06 x 06-90 x 50 LG.	REF
14	7-244-27	DIN CONNECTOR (w/ HARNESS)	REF
15	6-6201-04	HEX NUT 1/4 NC	4
16	6-7002-26	HOSE / 04 x 04 x 13 LG.	1
17	6-7002-34	HOSE / 04 x 04 x 17 LG.	1
18	7-200-139	CONTROLLER / 4-WAY	REF
19	6-7022-44	HOSE / 04 x 04-90 x 22 LG.	1
20	7-234-94	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	2
23	7-198-48	ACTUATOR / HANGING BRAKE PEDAL	REF
24	6-7022-34	HOSE / 04 x 04-90 x 17 LG.	2
25	6-7002-17	HOSE / 04 x 04 x 8 1/2 LG.	1
26	6-6455-15	FITTING / 06 OR x 04 JIC RN-TEE	1
27	6-6485-06	FITTING / 06 OR x 06 JIC SW	1
28	7-367-01	VALVE ASSY. / CONTROLLER RELIEF	REF
29	7-244-27	DIN CONNECTOR	1
30	6-7003-26	HOSE / 06 x 06 x 13 LG.	1
31	6-6480-03	FITTING / 04 JIC SW-BR-TEE	1
32	6-6453-06	FITTING / 06 OR x 06 JIC 90	1
33	6-7022-186	HOSE / 04 x 04-90 x 93 LG.	1
34	7-371-04	FITTING / 14mm OR x 06 JIC STR.	1
35	7-367-02	VALVE ASSY. / DIFF. LOCK	REF
36	6-5204-12	CAPSCREW 1/4 NC x 1 1/2 LG.	2
37	6-6212-04	FLATWASHER 1/4	10
38	6-6211-04	LOCKWASHER 1/4	10
39	7-367-05	COIL / DIN	REF
40	7-367-06	CARTRIDGE / NORMALLY OPEN	REF
41	7-367-03	CARTRIDGE / NORMALLY CLOSED	REF
42	7-367-07	VALVE BODY / CONTROLLER RELIEF	REF
43	7-367-04	VALVE BODY / DIFF. LOCK	REF
44	6-7022-28	HOSE / 04 x 04-90 x 14 LG.	1
45	6-6481-05	FITTING / 06 JIC SW-RN-TEE	1
46	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	4
47	6-7022-88	HOSE / 04 x 04-90 x 44 LG.	1
48	6-7022-100	HOSE / 04 x 04-90 x 50 LG.	REF
49	6-5204-14	CAPSCREW 1/4 NC x 1 3/4 LG.	4
50	6-6495-07	FITTING / 06 JIC F. x 04 JIC M. STR.	1
51	6-6481-03	FITTING / 04 JIC SW-RN-TEE	1

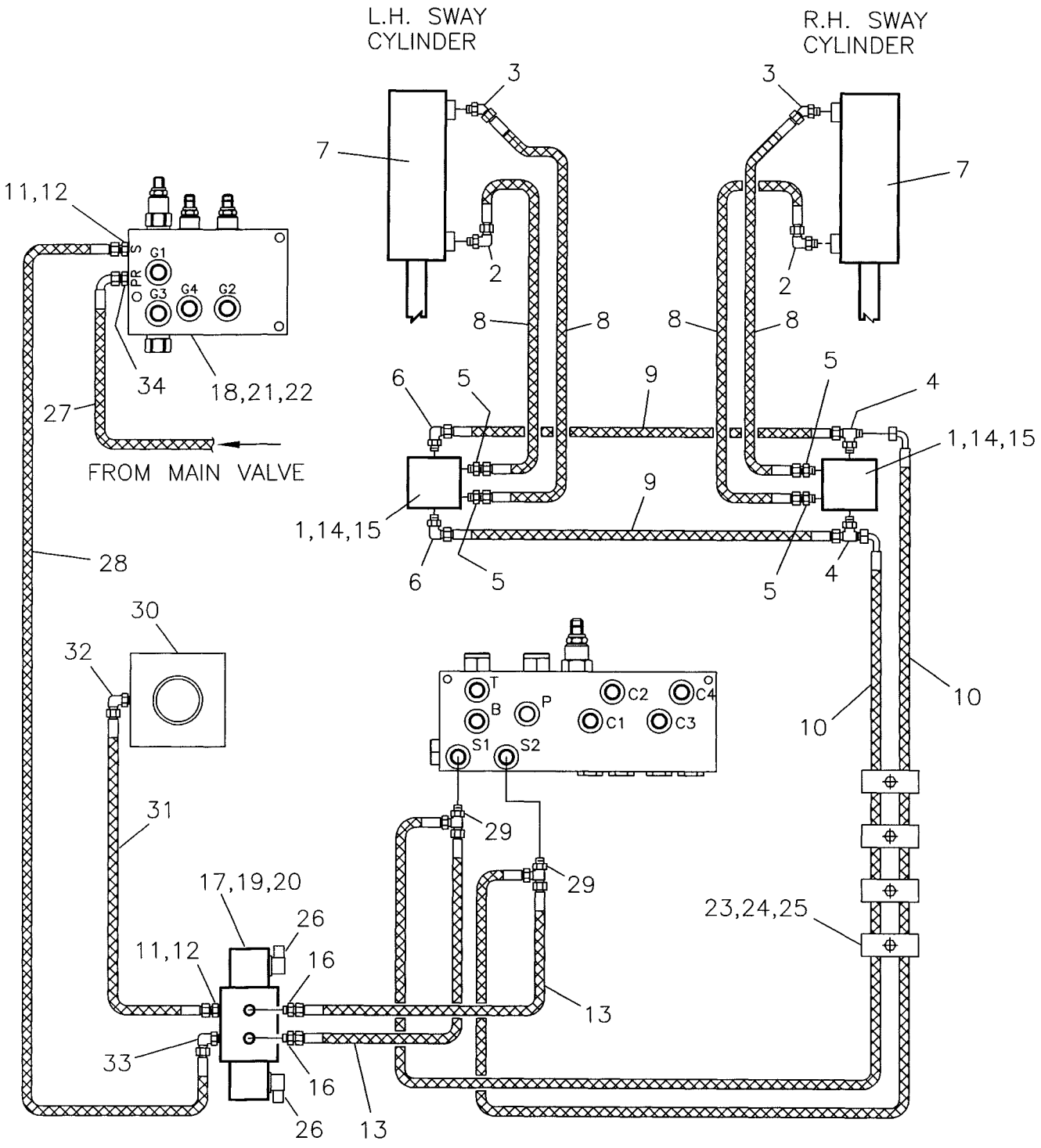


PRESSURES		
GAGE PORT	TH1048C	TH1056C
GP1	3500 PSI	3000 PSI
GP2	2250 PSI	2250 PSI
GP3	3500 PSI	3000 PSI
GP4	OPEN	OPEN
GP5	400 PSI	400 PSI
GP6	1200 PSI	1200 PSI

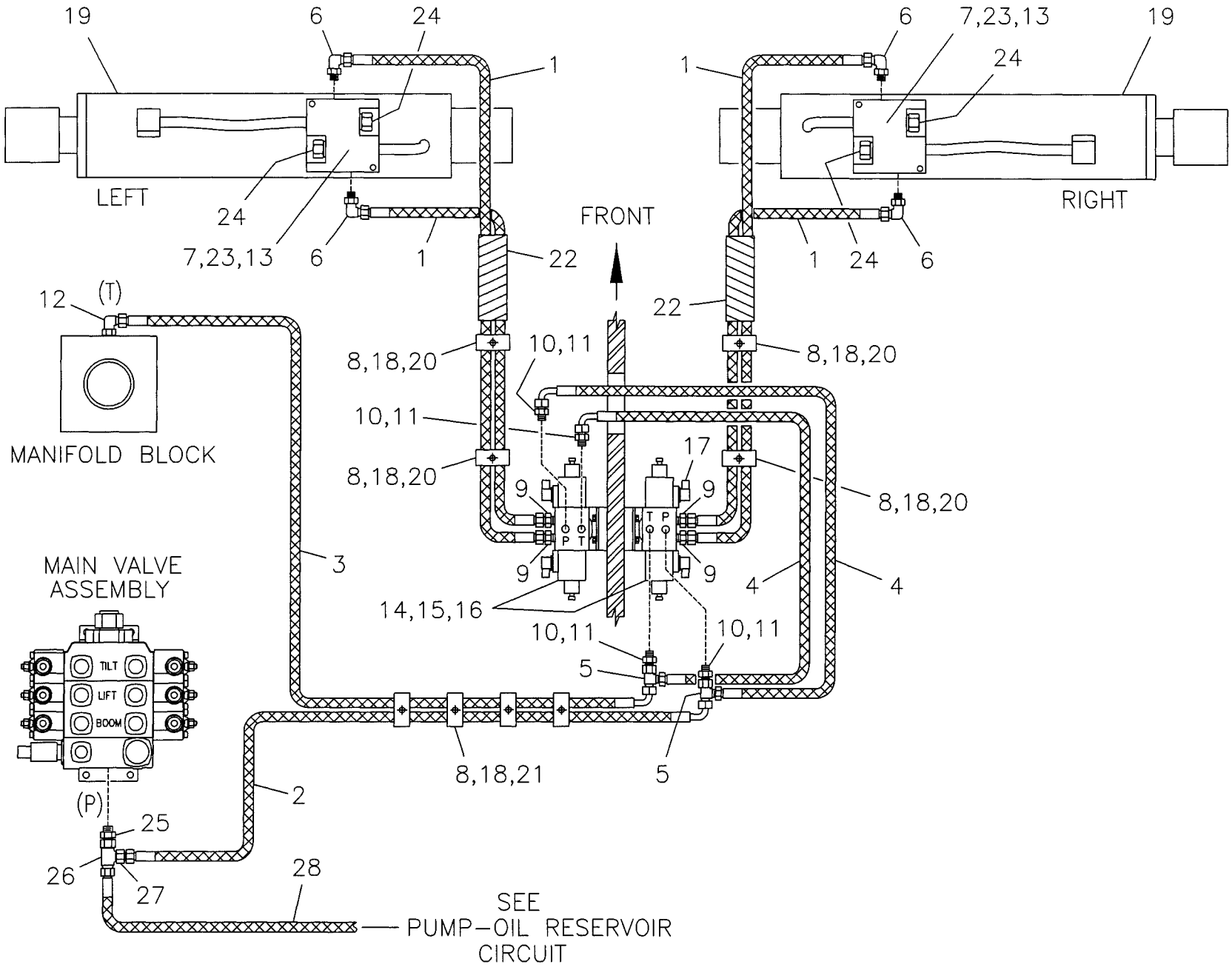
ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-05	FITTING / 06 OR x 04 JIC STR.	1
2	6-6452-19	FITTING / 06 OR x 04 JIC 45	3
3	7-256-27	PRESSURE CHECK / MALE	3
4	7-302-01	PRESSURE CHECK / MALE	2
5	6-7022-38	HOSE / 04 x 04-90 x 19 LG.	1
6	6-7002-34	HOSE / 04 x 04 x 17 LG.	2
7	7-234-94	CONTROL BLOCK	REF
8	7-234-50	VALVE / TILT LIMITER	REF
9	6-6457-05	FITTING / 06 OR HEX HEAD PLUG	2
10	6-7002-26	HOSE / 04 x 04 x 13 LG.	1
11	6-6455-05	FITTING / 06 OR x 06 JIC RN-TEE	1
12	6-7023-26	HOSE / 06 x 06-90 x 13 LG.	REF
13	6-6495-07	FITTING / 06 x 04 JIC REDUCER	1
14	6-7002-30	HOSE / 04 x 04 x 15 LG.	1


CONTROL BLOCK
ST
MANIFOLD BLOCK
17
18
1
2
1
14,15,16
3
T
L
P
R
5
8
4
10
7
FRONT OF MACHINE
P
3
3
C2
C1
3
9
11
R
3
BOTTOM VIEW
REAR STEERING CYL.
FRONT STEERING CYL.
7
P
CYL 2
CYL 1
R
TOP VIEW
11,12,13
5
9
6
7
FRONT OF MACHINE

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-12	FITTING / 08 OR x 08 JIC STR.	2
2	6-7024-328	HOSE / 08 x 08-90 x 164 LG.	1
3	6-6450-09	FITTING / 08 OR x 06 JIC STR.	5
4	6-7023-40	HOSE / 06 x 06-90 x 20 LG.	1
5	6-6453-07	FITTING / 08 OR x 06 JIC 90	2
6	6-7023-252	HOSE / 06 x 06-90 x 126 LG.	1
7	6-6452-14	FITTING / 08 OR x 06 JIC 45	3
8	6-7023-214	HOSE / 06 x 06-90 x 107 LG.	1
9	6-7023-290	HOSE / 06 x 06-90 x 145 LG.	2
10	6-7024-388	HOSE / 08 x 08-90 x 194 LG.	1
11	7-359-02	VALVE / STEERING SELECTOR	REF
12	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
13	6-6211-05	LOCKWASHER 5/16	4
14	7-147-01	ORBITRAL / STEERING	REF
15	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	4
16	6-6211-06	LOCKWASHER 3/8	4
17	6-6452-04	FITTING / 08 OR x 08 JIC 45	1
18	6-6453-09	FITTING / 08 OR x 08 JIC 90	1


L.H. SWAY CYLINDER
R.H. SWAY CYLINDER
FROM MAIN VALVE
11,12
3
7
2
8
6
5
9
4
1,14,15
34
18,21,22
27
28
30
32
31
T
B
P
C2
C4
C1
C3
S1
S2
29
17,19,20
26
16
33
13
23,24,25
10

ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-04	VALVE / DUAL CHECK	REF
2	6-6453-04	FITTING / 06 OR x 04 JIC 90	2
3	6-6452-19	FITTING / 06 OR x 04 JIC 45	2
4	6-6454-06	FITTING / 08 OR x 08 JIC BR-TEE	2
5	6-6450-06	FITTING / 08 OR x 04 JIC STR.	4
6	6-6453-09	FITTING / 08 OR x 08 JIC 90	2
7	7-379-50	CYLINDER / SWAY	REF
8	6-7002-86	HOSE / 04 x 04 x 43 LG.	4
9	6-7004-44	HOSE / 08 x 08 x 22 LG.	2
10	6-7033-296	HOSE / 06 x 08-90 x 148 LG.	2
11	1-1219	RESTRICTOR FITTING	2
12	1-1093-2	RESTRICTOR PLUG (.060)	2
13	6-7003-40	HOSE / 06 x 06 x 20 LG.	2
14	6-6211-05	LOCKWASHER 5/16	4
15	6-5205-14	CAPSCREW 5/16 NC x 1 3/4 LG.	4
16	6-6450-08	FITTING / 06 OR x 06 JIC STR.	2
17	7-244-31	VALVE / ELECTRIC / SWAY	REF
18	7-234-94	CONTROL BLOCK ASSEMBLY	REF
19	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	2
20	6-6211-04	LOCKWASHER 1/4	2
21	6-5205-20	CAPSCREW 5/16 NC x 2 1/2 LG.	3
22	6-6211-05	LOCKWASHER 5/16	3
23	7-273-27	CLAMP HALF SET / 3/8 HOSE / TWIN	4
24	7-273-23	COVER PLATE / 3/8 HOSE CLAMP	4
25	6-5205-18	CAPSCREW 5/16 NC x 2 1/4 LG.	4
26	7-244-27	DIN CONNECTOR (w/ HARNESS)	REF
27	6-7025-36	HOSE / 10 x 10-90 x 18 LG.	REF
28	6-7003-40	HOSE / 06 x 06 x 20 LG.	1
29	6-6455-05	FITTING / 06 OR x 06 JIC RN-TEE	2
30	3-1376	MANIFOLD BLOCK	REF
31	6-7003-74	HOSE / 06 x 06 x 37 LG.	1
32	6-6453-07	FITTING / 08 OR x 06 JIC 90	1
33	6-6453-06	FITTING / 06 OR x 06 JIC 90	1
34	6-6450-15	FITTING / 08 OR x 10 JIC STR.	REF

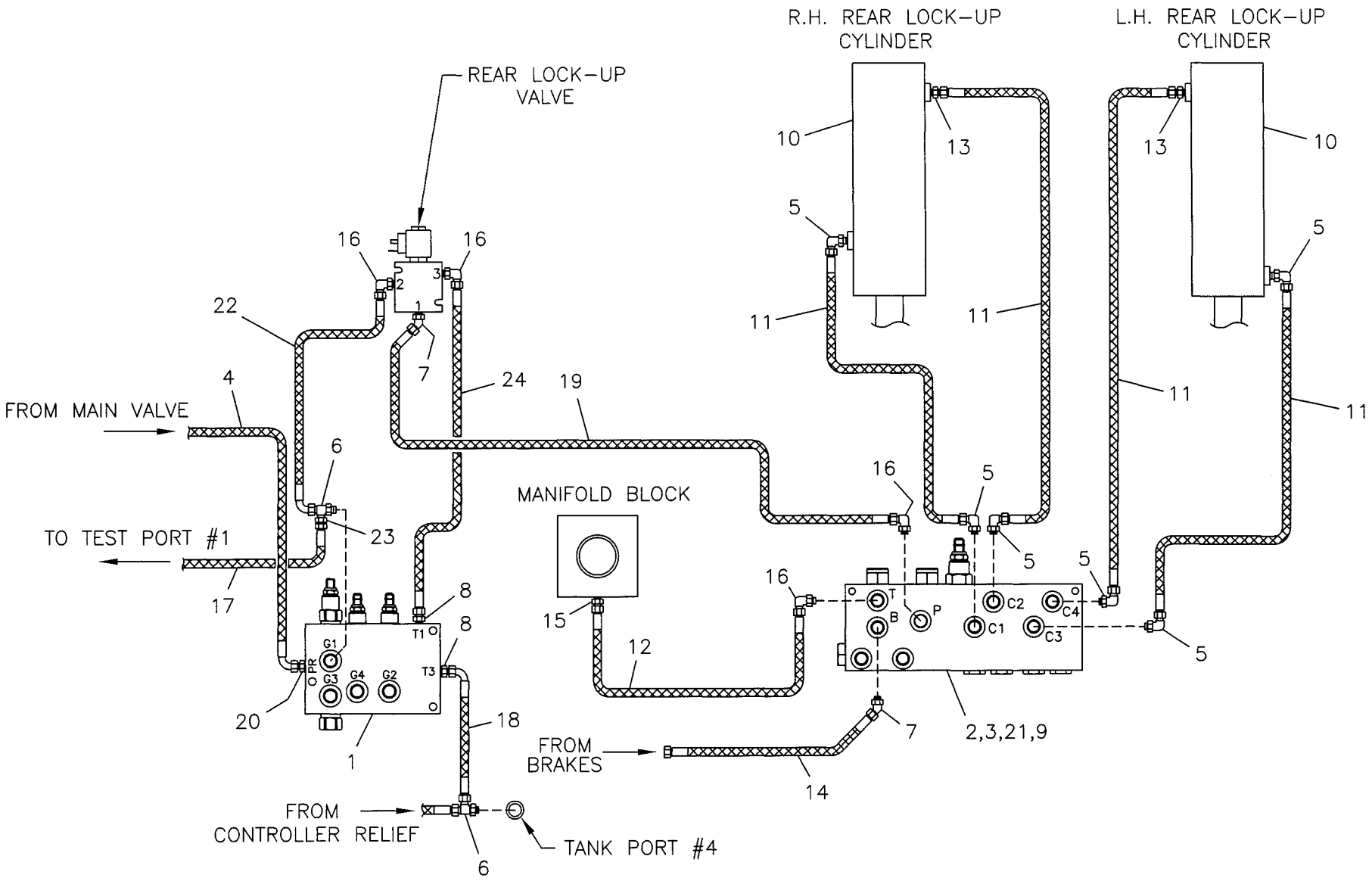

19
6
24
1
LEFT
24
7,23,13
6
1
22
FRONT
12
(T)
MANIFOLD BLOCK
8,18,20
10,11
10,11
8,18,20
MAIN VALVE ASSEMBLY
TILT
LIFT
BOOM
(P)
3
2
25
26
27
28
SEE PUMP–OIL RESERVOIR CIRCUIT
9
P
T
17
T
P
14,15,16
8,18,21
5
4
1
6
7,23,13
24
19
RIGHT
22
8,18,20

ITEM	NUMBER	DESCRIPTION	REQD
1	6-7003-136	HOSE / 06 x 06 x 68 LG.	4
2	6-7023-380	HOSE / 06 x 06-90 x 180 LG.	1
3	6-7023-420	HOSE / 06 x 06-90 x 210 LG.	1
4	6-7023-40	HOSE / 06 x 06-90 x 20 LG.	2
5	6-6481-05	FITTING / 06 JIC SW-RN-TEE	2
6	6-6453-06	FITTING / 06 OR x 06 JIC 90	4
7	3-1482	COVER / VALVE BLOCK	2
8	7-273-27	CLAMP HALF SET / 3/8 TWIN HOSE	8
9	6-6450-08	FITTING / 06 OR x 06 JIC STR.	4
10	1-1219	RESTRICTOR FITTING	4
11	1-1093-3	RESTRICTOR PLUG (.081)	4
12	6-6453-07	FITTING / 08 OR x 06 JIC 90	1
13	6-6211-05	LOCKWASHER 5/16	4
14	7-244-31	VALVE / ELECTRIC / STABILIZERS	2
15	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	4
16	6-6211-04	LOCKWASHER 1/4	4
17	7-244-27	DIN CONNECTOR	REF
18	7-273-23	COVER PLATE / 3/8 HOSE CLAMP	4
19	7-316-394	CYLINDER / STABILIZER	REF
20	6-5205-10	CAPSCREW 5/16 NC x 1 1/4 LG.	4
21	6-5205-18	CAPSCREW 5/16 NC x 2 1/4 LG.	REF
22	6-9615-112	HOSE ARMOR 1.00 ID x 14 LG.	2
23	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
24	7-234-62	CARTRIDGE CHECK	4
25	6-6450-17	FITTING / 12 OR x 10 JIC STR.	REF
26	6-6481-07	FITTING / 10 JIC SW-RN-TEE	REF
27	6-6495-04	FITTING / 10 JIC F. x 06 JIC M. STR.	REF
28	6-7025-36	HOSE / 10 x 10-90 x 18 LG.	REF

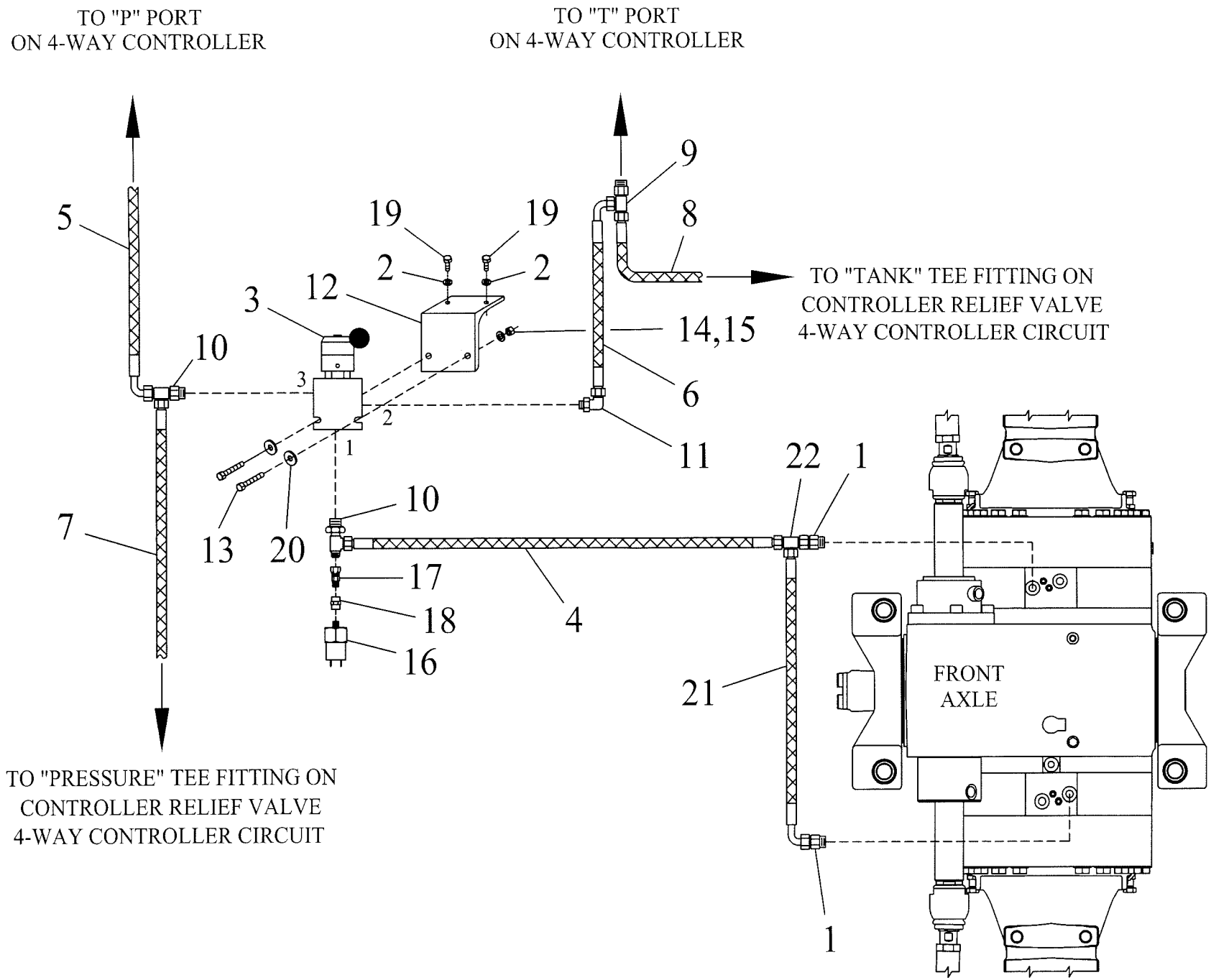
PAGE NUMBER 31

CIRCUIT / REAR LOCK-UP
TH1048C

DRAWING NUMBER P1-1878



ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-94	CONTROL BLOCK	REF
2	7-168-02	BLOCK ASSEMBLY / REAR LOCK-UP	REF
3	7-304-07	CARTRIDGE / MODULAR CONTROL	2
4	6-7025-36	HOSE / 10 x 10-90 x 18 LG.	REF
5	6-6453-04	FITTING / 06 OR x 04 JIC 90	6
6	6-6455-05	FITTING / 06 OR x 06 JIC RN-TEE	REF
7	6-6452-03	FITTING / 06 OR x 06 JIC 45	2
8	6-6450-08	FITTING / 06 OR x 06 JIC STR.	2
9	6-6211-05	LOCKWASHER 5/16	2
10	7-379-50	CYLINDER / REAR LOCK-UP	REF
11	6-7002-74	HOSE / 04 x 04 x 37 LG.	4
12	6-7003-90	HOSE / 06 x 06 x 45 LG.	1
13	6-6450-05	FITTING / 06 OR x 04 JIC STR.	2
14	6-7003-194	HOSE / 06 x 06 x 97 LG.	1
15	6-6450-09	FITTING / 08 OR x 06 JIC STR.	1
16	6-6453-06	FITTING / 06 OR x 06 JIC 90	4
17	6-7002-26	HOSE / 04 x 04 x 13 LG.	REF
18	6-7023-32	HOSE / 06 x 06-90 x 16 LG.	1
19	6-7003-62	HOSE / 06 x 06 x 31 LG.	1
20	6-6450-15	FITTING / 08 OR x 10 JIC STR.	REF
21	6-5205-22	CAPSCREW 5/16 NC x 2 3/4 LG.	2
22	6-7023-26	HOSE / 06 x 06-90 x 13 LG.	1
23	6-6495-07	FITTING / 06 x 04 JIC REDUCER	REF
24	6-7003-20	HOSE / 06 x 06 x 10 LG.	1

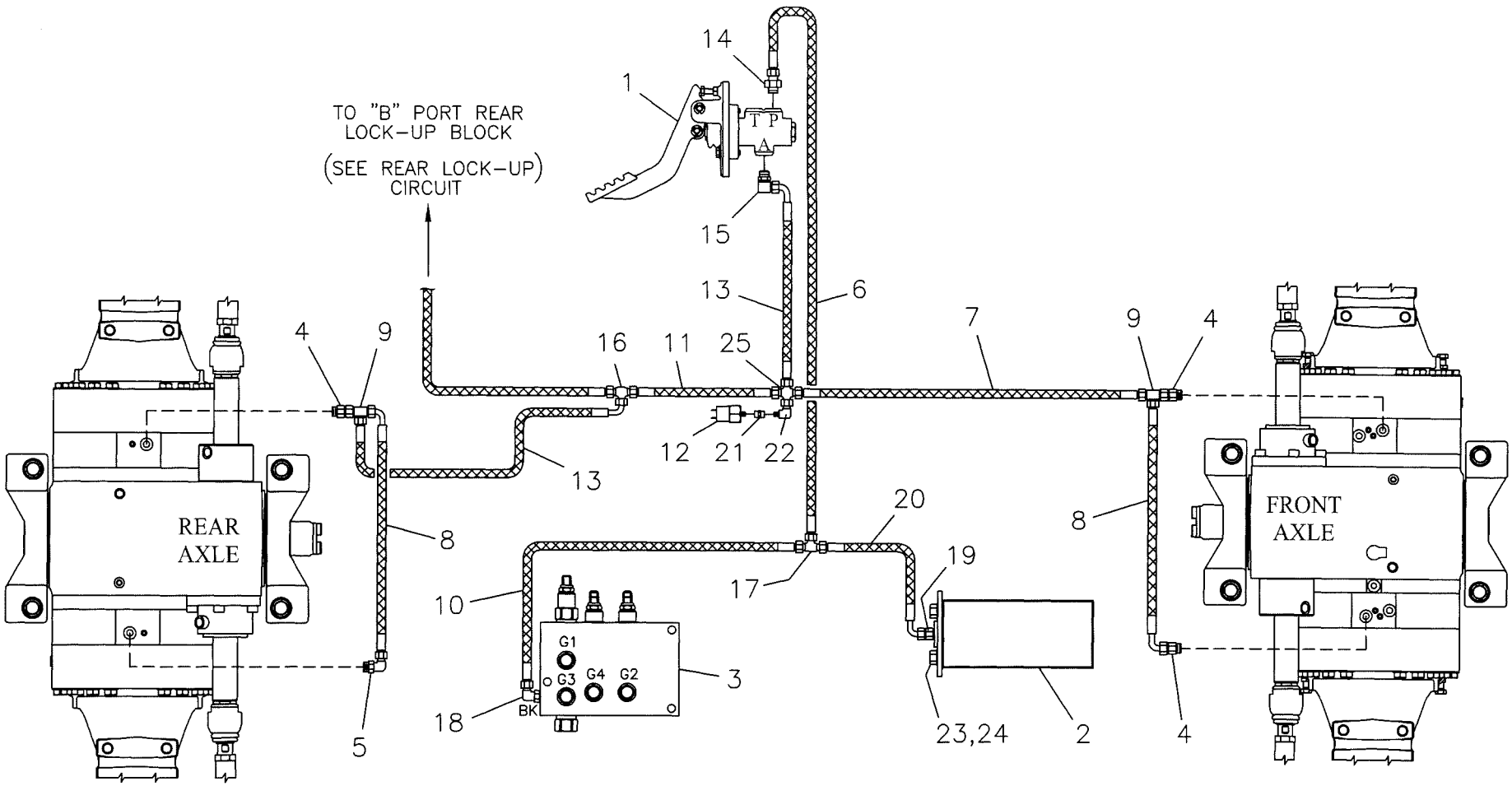

TO "P" PORT
ON 4-WAY CONTROLLER
TO "T" PORT
ON 4-WAY CONTROLLER
TO "TANK" TEE FITTING ON
CONTROLLER RELIEF VALVE
4-WAY CONTROLLER CIRCUIT
TO "PRESSURE" TEE FITTING ON
CONTROLLER RELIEF VALVE
4-WAY CONTROLLER CIRCUIT
FRONT
AXLE
5
19
19
9
8
2
2
12
3
14,15
10
6
11
22
1
7
13
20
10
17
18
16
4
21
1

ITEM	NUMBER	DESCRIPTION	REQD
1	7-371-04	FITTING / 14mm x 06 JIC STR.	2
2	6-6211-05	LOCKWASHER 5/16	2
3	7-358-08	VALVE / PARKING BRAKE	REF
4	6-7012-240	HOSE / 06 x 04 x 120 LG.	1
5	6-7022-100	HOSE / 04 x 04-90 x 50 LG.	1
6	6-7023-100	HOSE / 06 x 06-90 x 50 LG.	1
7	6-7022-88	HOSE / 04 x 04-90 x 44 LG.	REF
8	6-7023-62	HOSE / 06 x 06 x 31 LG.	REF
9	6-6455-05	FITTING / 06 OR x 06 JIC RN. TEE	REF
10	6-6455-15	FITTING / 06 OR x 04 JIC RN. TEE	2
11	6-6453-06	FITTING / 06 OR x 06 JIC 90	1
12	2-1205	MOUNTING BRACKET / BRAKE VALVE	1
13	6-5204-16	CAPSCREW 1/4 NC x 2 LG.	2
14	6-6201-04	HEX NUT 1/4 NC	2
15	6-6211-04	LOCKWASHER 1/4	2
16	7-303-02	PRESSURE SWITCH / PARKING BRAKE	1
17	6-6486-01	FITTING / 02 NPT M. x 04 JIC SW.	1
18	6-6440-02	FITTING / 02 NPT COUPLER	1
19	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	2
20	6-6212-05	FLATWASHER 5/16	2
21	6-7023-32	HOSE / 06 x 06-90 x 16 LG.	1
22	6-6481-05	FITTING / 06 JIC SW-RN-TEE	1

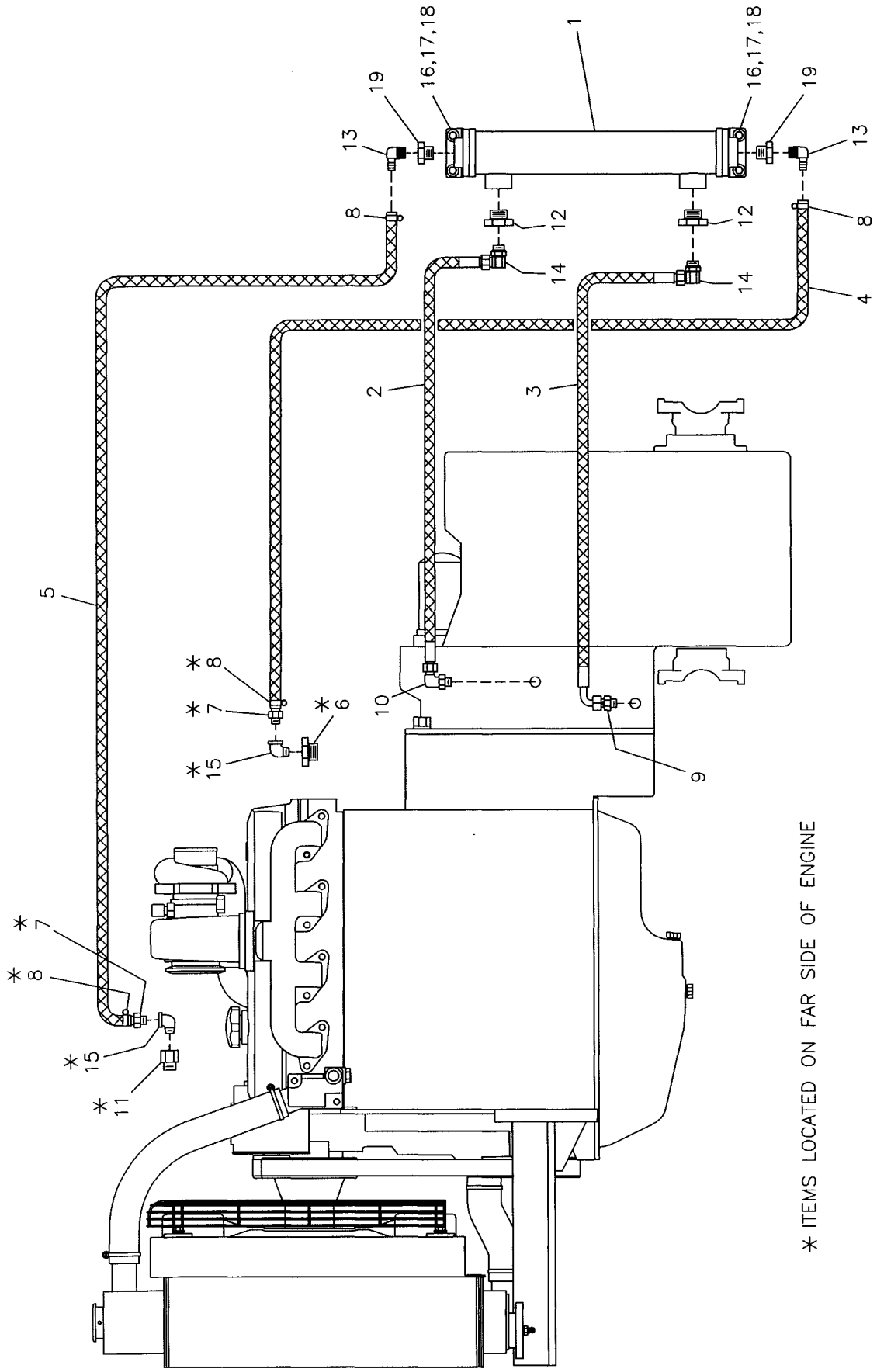
PAGE NUMBER 33

CIRCUIT / BRAKE
TH1048C

DRAWING NUMBER P1-1572

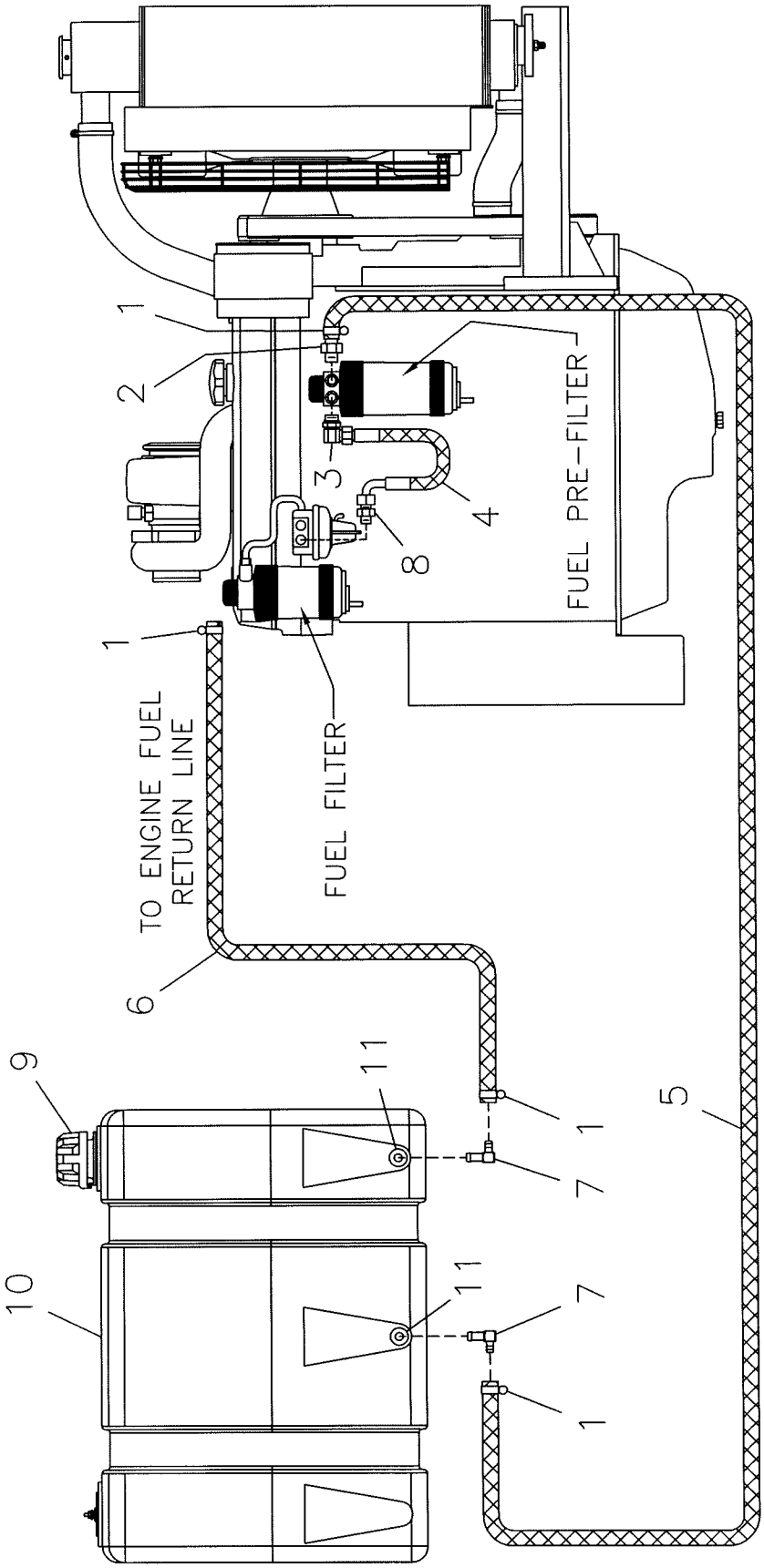


ITEM	NUMBER	DESCRIPTION	REQD
1	7-198-48	ACTUATOR / HANGING BRAKE	REF
2	7-256-85	ACCUMULATOR / BRAKE	REF
3	7-234-94	CONTROL BLOCK	REF
4	7-371-04	FITTING / 14mm OR x 06 JIC STR.	3
5	7-371-05	FITTING / 14mm OR x 06 JIC 90	1
6	6-7002-86	HOSE / 04 x 04 x 43 LG.	1
7	6-7003-130	HOSE / 06 x 06 x 65 LG.	1
8	6-7023-32	HOSE / 06 x 06-90 x 16 LG.	2
9	6-6481-05	FITTING / 06 JIC SW-RN-TEE	2
10	6-7002-244	HOSE / 04 x 04 x 122 LG.	1
11	6-7003-100	HOSE / 06 x 06 x 50 LG.	1
12	7-303-03	PRESSURE SWITCH / CLUTCH CUT-OFF	1
13	6-7023-100	HOSE / 06 x 06-90 x 50 LG.	2
14	6-6450-06	FITTING / 08 OR x 04 JIC STR.	1
15	6-6453-07	FITTING / 08 OR x 06 JIC 90	1
16	6-6482-05	FITTING / 06 JIC TEE	1
17	6-6482-03	FITTING / 04 JIC TEE	1
18	6-6453-04	FITTING / 06 OR x 04 JIC 90	1
19	6-6450-05	FITTING / 06 OR x 04 JIC STR.	1
20	6-7022-72	HOSE / 04 x 04-90 x 36 LG.	1
21	6-6402-02	FITTING / 04 x 02 NPT COUPLER	1
22	6-6435-03	FITTING / 04 NPT x 06 JIC F. SW. 90	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



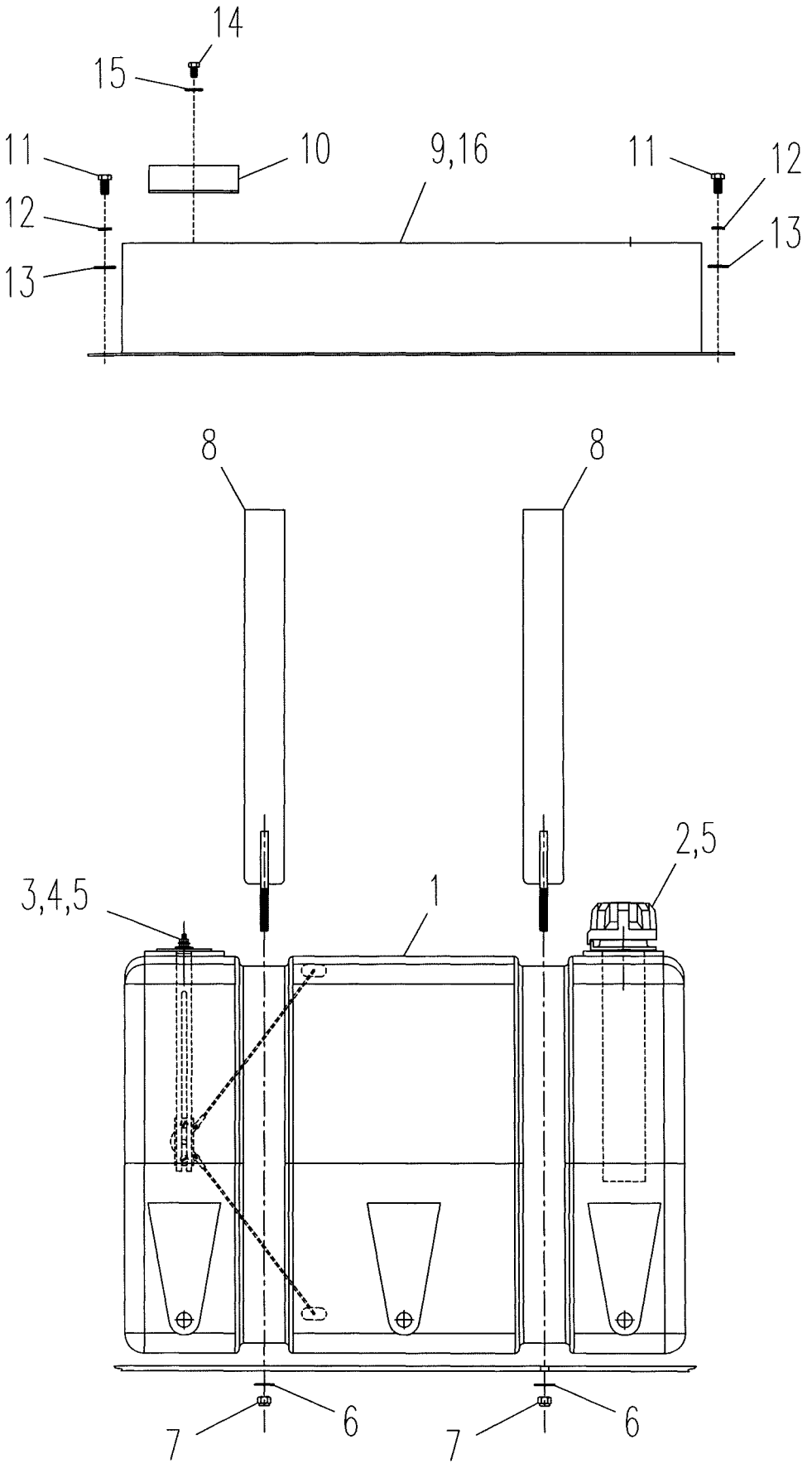
34	PAGE NUMBER	CIRCUIT / OIL COOLER TH1048C w/ JD-4045 TIER II ENGINE	DRAWING NUMBER	P1-1832

ITEM	NUMBER	DESCRIPTION	REQD
1	7-236-09	OIL COOLER	1
2	6-7006-58	HOSE / 12 x 12 x 29 LG.	1
3	6-7026-50	HOSE / 12 x 12-90 x 25 LG.	1
4	6-9611-480	HOSE-HEATER 3/4 x 60 LG.	1
5	6-9611-480	HOSE-HEATER 3/4 x 60 LG.	1
6	7-183-191	FITTING / ADAPTER	1
7	6-6423-18	HOSE END / 12-08 MALE PIPE	2
8	6-6252-04	HOSE CLAMP / NO. 12	4
9	6-6450-20	FITTING / 12 OR x 12 JIC STR	1
10	6-6453-15	FITTING / 12 OR x 12 JIC 90	1
11	6-6459-01	FITTING / 18 mm x 08 NPT RED.	1
12	6-6456-23	FITTING / 24-12 OR REDUCER	2
13	6-6400-19	FITTING / 3/4 NPT x 3/4 HOSE BARB 90	2
14	6-6453-15	FITTING / 12 OR x 12 JIC 90	2
15	6-6437-04	FITTING / 08 NPT ST ELB BLK-P	1
16	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	4
17	6-6211-06	LOCKWASHER 3/8	4
18	6-6212-06	FLATWASHER 3/8	4
19	6-6406-13	FITTING / 20-12 NPT REDUCER	2



35	PAGE NUMBER	CIRCUIT / FUEL TH1048C w/ JD-4045 TIER II ENGINE		DRAWING NUMBER	P1-1833

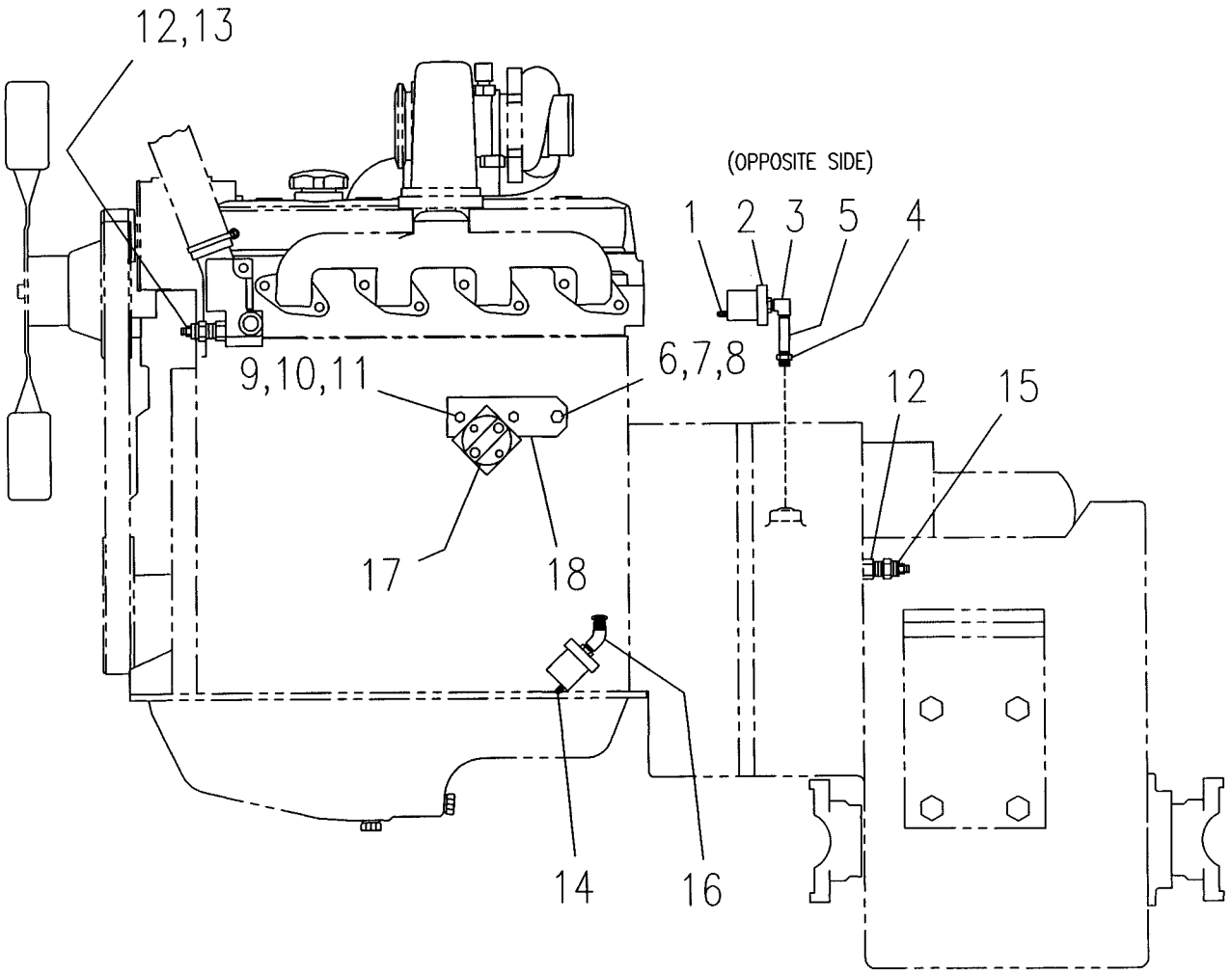
ITEM	NUMBER	DESCRIPTION	REQD
1	6-6252-20	HOSE CLAMP / NO. 2	4
2	7-183-196	FITTING / BRASS HOSE END	1
3	7-183-197	FITTING / 90 / FUEL	1
4	7-183-198	HOSE ASSEMBLY / FUEL	1
5	6-9605-736	HOSE-FUEL 3/8 x 92 LG.	1
6	6-9605-692	HOSE-FUEL 3/8 x 86 1/2 LG.	1
7	7-121-02	FITTING / 90 / 3/8 HOSE	2
8	7-183-199	FITTING / STRAIGHT / FUEL	1
9	7-272-09	FILLER CAP / FUEL	REF
10	7-373-01	FUEL TANK	REF
11	7-121-01	RUBBER BUSHING	2



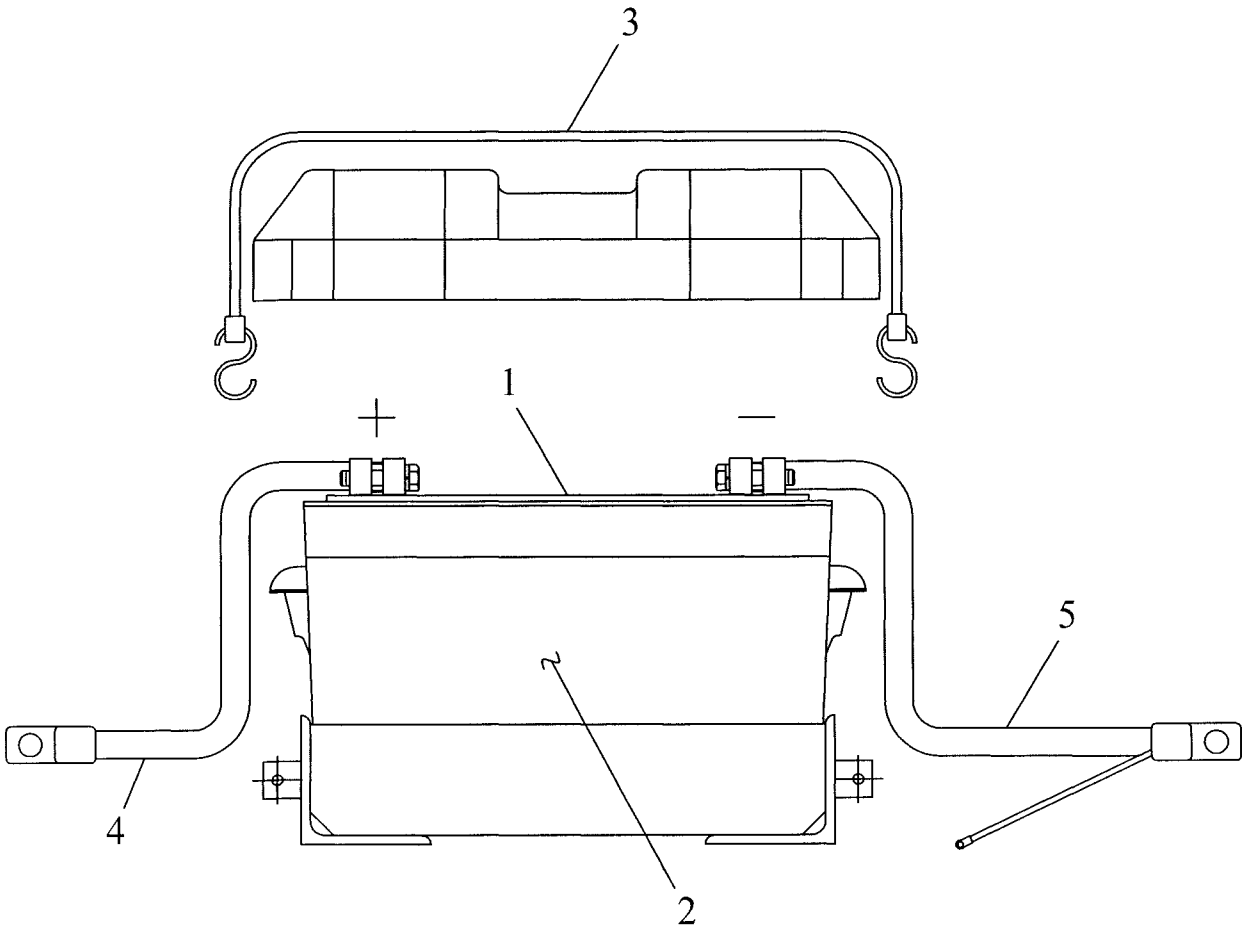
36	PAGE NUMBER	FUEL TANK ASSEMBLY TH1048C	DRAWING NUMBER	P1-1441

ITEM	NUMBER	DESCRIPTION	REQD
1	7-373-01	FUEL TANK / PLASTIC	1
2	7-272-09	FILLER CAP / FUEL	1
3	7-172-03	SENDER / FUEL GAUGE	REF
4	7-172-15	GASKET / FUEL SENDER	REF
5	6-6284-13	MACHINE SCREW #10-32 x 1/2 LG.	11
6	6-6212-06	FLATWASHER 3/8	4
7	6-6205-06	SELF LOCKING NUT 3/8 NC	4
8	3-1390	STRAP / FUEL TANK	2
9	4-2257	BATTERY BOX & FUEL TANK COVER	1
10	4-2257-3	FUEL SENDER COVER (w/ ITEM 9)	REF
11	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	6
12	6-6211-06	LOCKWASHER 3/8	6
13	6-6212-06	FLATWASHER 3/8	6
14	6-5205-05	CAPSCREW 5/16 NC x 5/8 LG.	2
15	6-6212-04	FLATWASHER 1/4	2
16	6-9601-112	EDGING 1/4 x 14 LG.	1

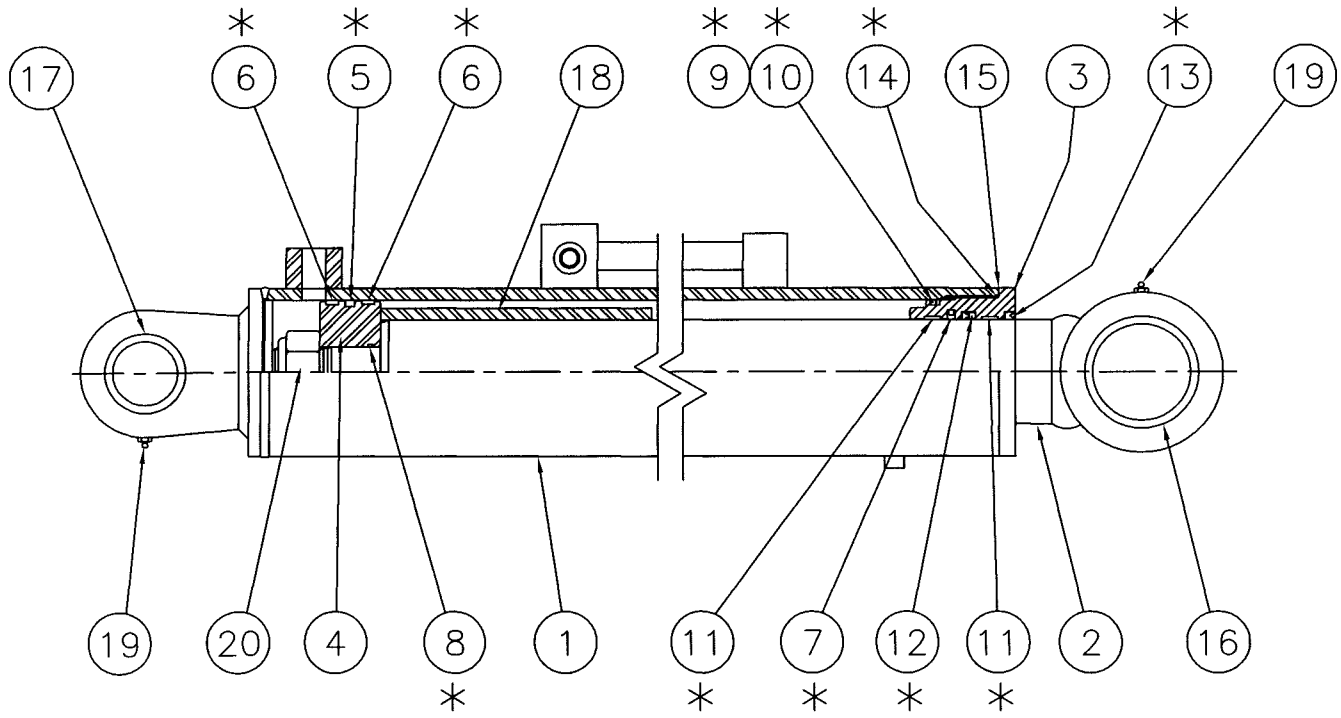
NOTES



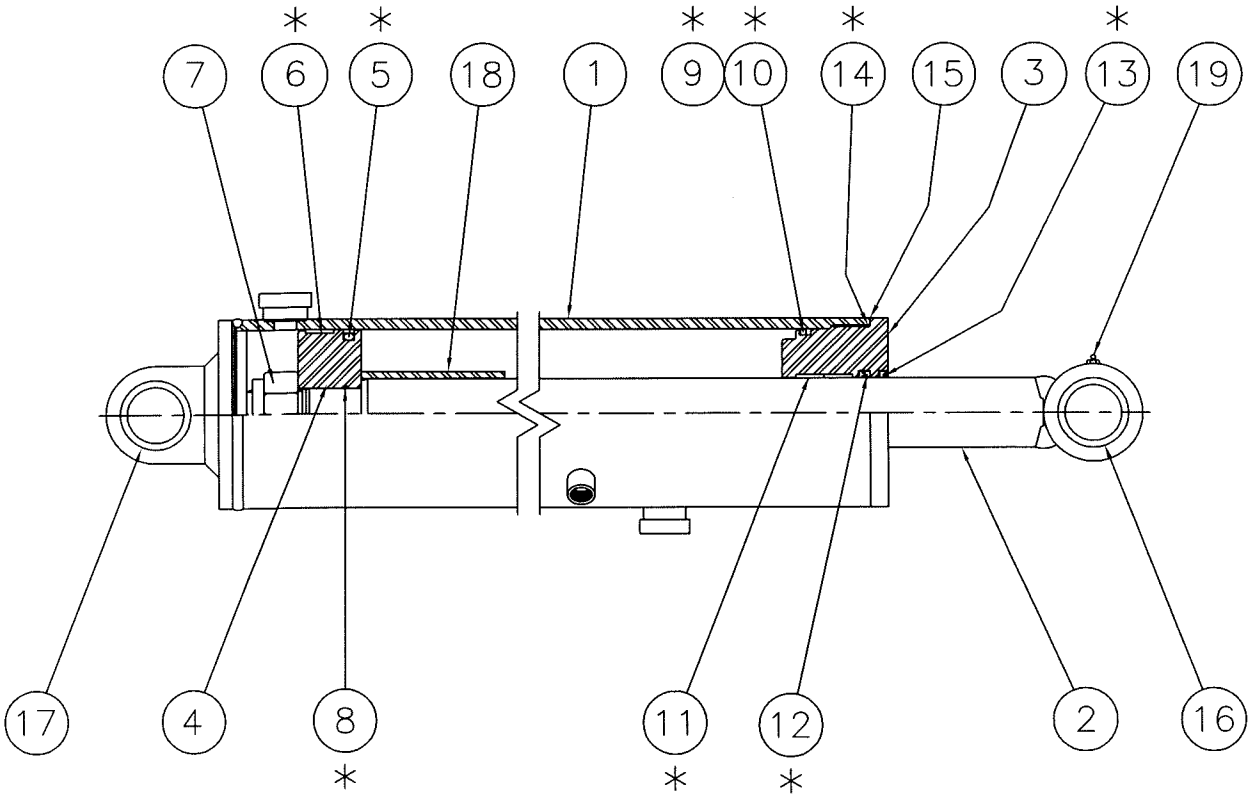
ITEM	NUMBER	DESCRIPTION	REQD
1	6-6286-06	HEX NUT #10-32	1
2	7-172-16	SENDER / TRANS. OIL PRESSURE	REF
3	6-6404-01	FITTING / 02 NPT ELBOW	1
4	6-6458-02	FITTING / 06 OR x 02 NPT REDUCER	1
5	6-6410-03	FITTING / 1/8 PIPE NIPPLE	1
6	6-8510-20	CAPSCREW 10mm x 1.5 x 20mm LG.	1
7	6-9111-10	LOCKWASHER 10mm	1
8	6-9112-10	FLATWASHER 10mm	1
9	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	2
10	6-6211-04	LOCKWASHER 1/4	2
11	6-6212-04	FLATWASHER 1/4	2
12	6-6406-04	FITTING / NPT REDUCER 1/2 x 3/8	2
13	7-172-09	SENDER / ENGINE WATER TEMP.	REF
14	7-172-05	SENDER / ENGINE OIL PRESSURE	REF
15	7-172-07	SENDER / TRANS. OIL TEMP.	REF
16	7-183-192	FITTING / 02 NPT 45 BRASS ST. ELBOW	1
17	7-183-18	RELAY / STARTER	1
18	1-1024	MOUNT / STARTER RELAY	1



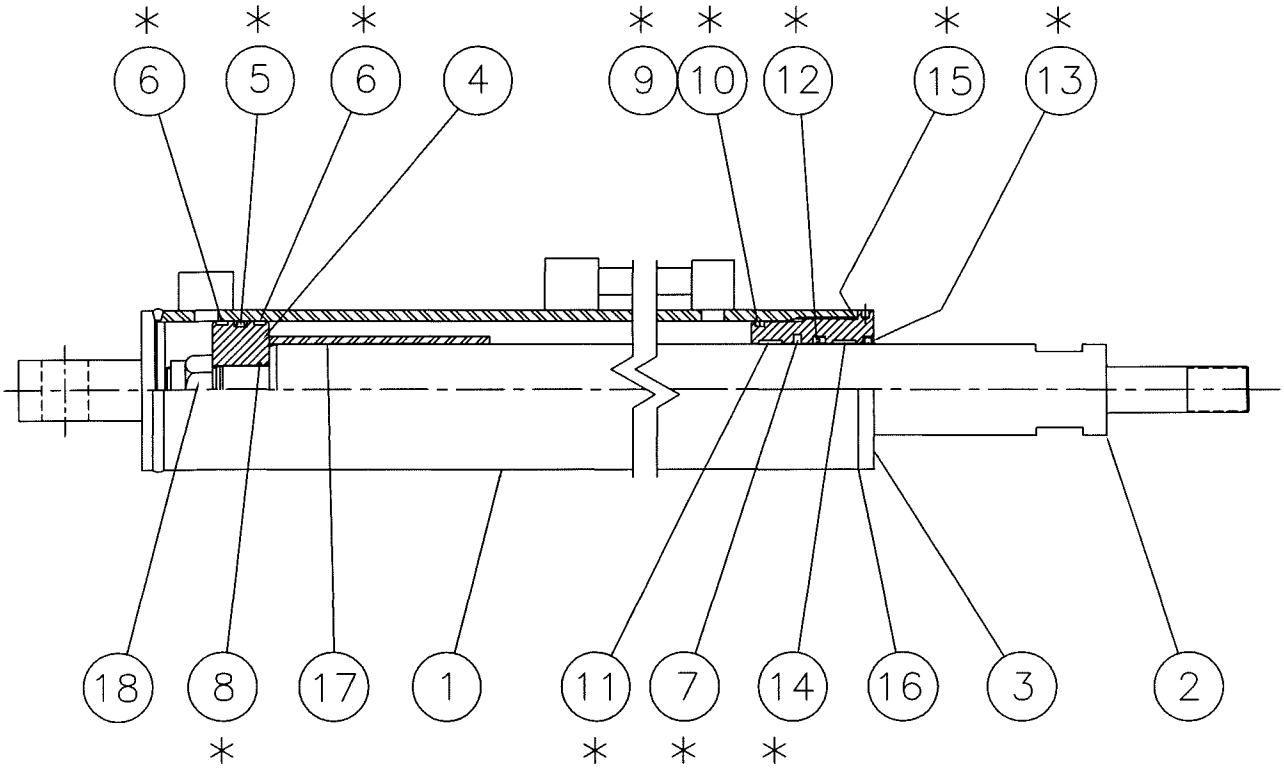
ITEM	NUMBER	DESCRIPTION	REQD
1	7-355-01	BATTERY	1
2	7-194-60	BATTERY BOX	1
3	7-194-65	TIE DOWN / 24 LG.	1
4	6-7801-132B	BATTERY CABLE / RED (POSITIVE)	1
5	6-7802-88B	BATTERY CABLE / BLACK (NEGATIVE)	1



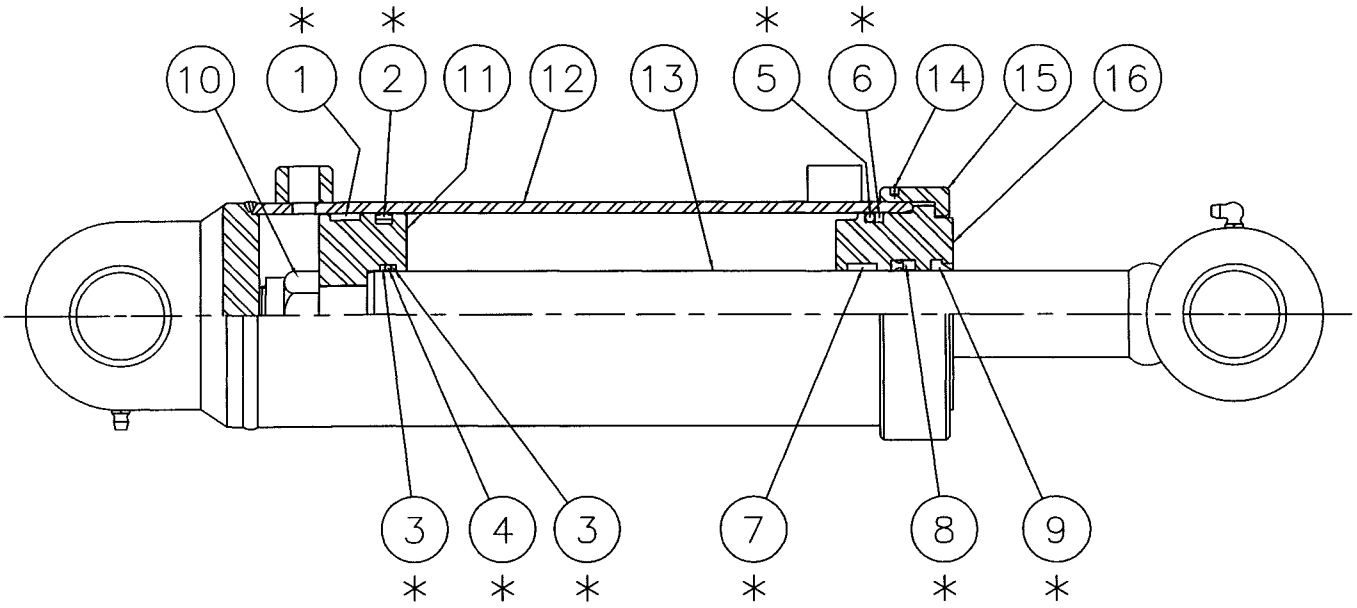
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-309	BARREL ASSEMBLY		1
2	7-316-310	ROD ASSEMBLY		1
3	7-316-313	HEAD		1
4	7-316-311	PISTON		1
5	7-316-54	SEAL / PISTON	(*)	1
6	7-316-234	WEAR RING / PISTON	(*)	2
7	7-316-385	BUFFER SEAL	(*)	1
8	7-316-80	O-RING / STUB SHAFT	(*)	1
9	7-316-81	O-RING / HEAD	(*)	1
10	7-316-82	BACK-UP RING / HEAD	(*)	1
11	7-316-384	WEAR RING / HEAD	(*)	2
12	7-316-20	SEAL / SHAFT	(*)	1
13	7-316-347	WIPER / SHAFT	(*)	1
14	7-316-245	O-RING	(*)	1
15	7-316-247	SELF TAPPING SCREW		1
16	7-316-155	BRONZE BUSHING / Ref 6-4524-32		1
17	7-316-156	BRONZE BUSHING / Ref 6-4516-24		1
18	7-316-312	STROKE LIMITER		1
19	7-316-150	LUBE FITTING		2
20	7-316-205	SELF-LOCKING NUT		1
21				
22	7-900-34	SEAL KIT / ITEMS MARKED	(*)	REF



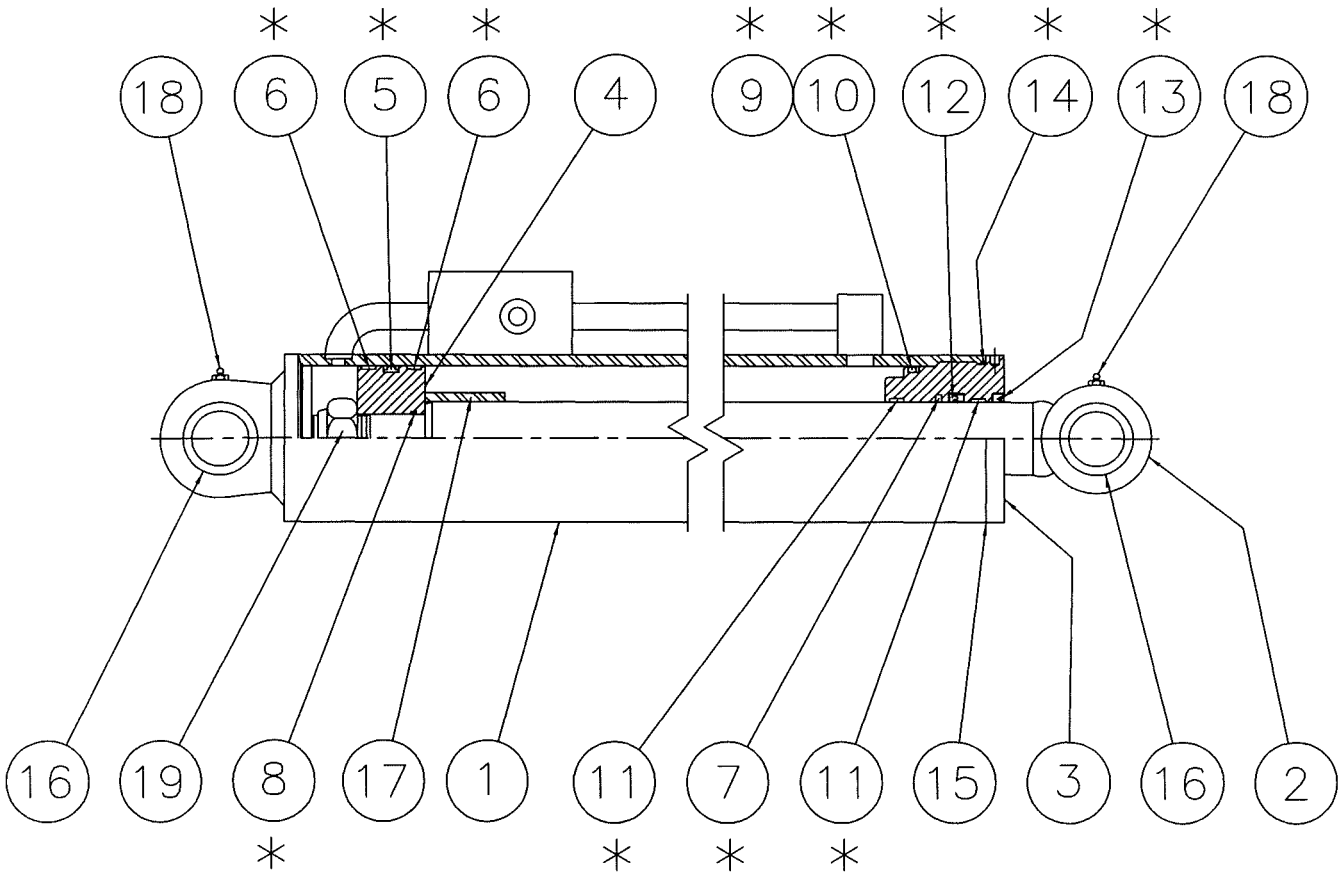
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-306	BARREL ASSEMBLY		1
2	7-316-307	ROD ASSEMBLY		1
3	7-316-293	HEAD		1
4	7-316-249	PISTON		1
5	7-316-59	SEAL / PISTON	(*)	1
6	7-316-68	WEAR RING / PISTON	(*)	1
7	7-316-246	SELF-LOCKING NUT		1
8	7-316-236	O-RING / STUB SHAFT	(*)	1
9	7-316-83	O-RING / HEAD	(*)	1
10	7-316-84	BACK-UP RING / HEAD	(*)	1
11	7-316-49	WEAR RING / HEAD	(*)	2
12	7-316-29	SEAL / SHAFT	(*)	1
13	7-316-345	WIPER / SHAFT	(*)	1
14	7-316-294	O-RING	(*)	1
15	7-316-247	SELF TAPPING SCREW		1
16	7-316-156	BRONZE BUSHING / Ref 6-4516-24		1
17	7-316-156	BRONZE BUSHING / Ref 6-4516-24		1
18	7-316-308	SPACER		1
19	7-316-150	LUBE FITTING		1
20				
21	7-900-22	SEAL KIT / ITEMS MARKED	(*)	REF



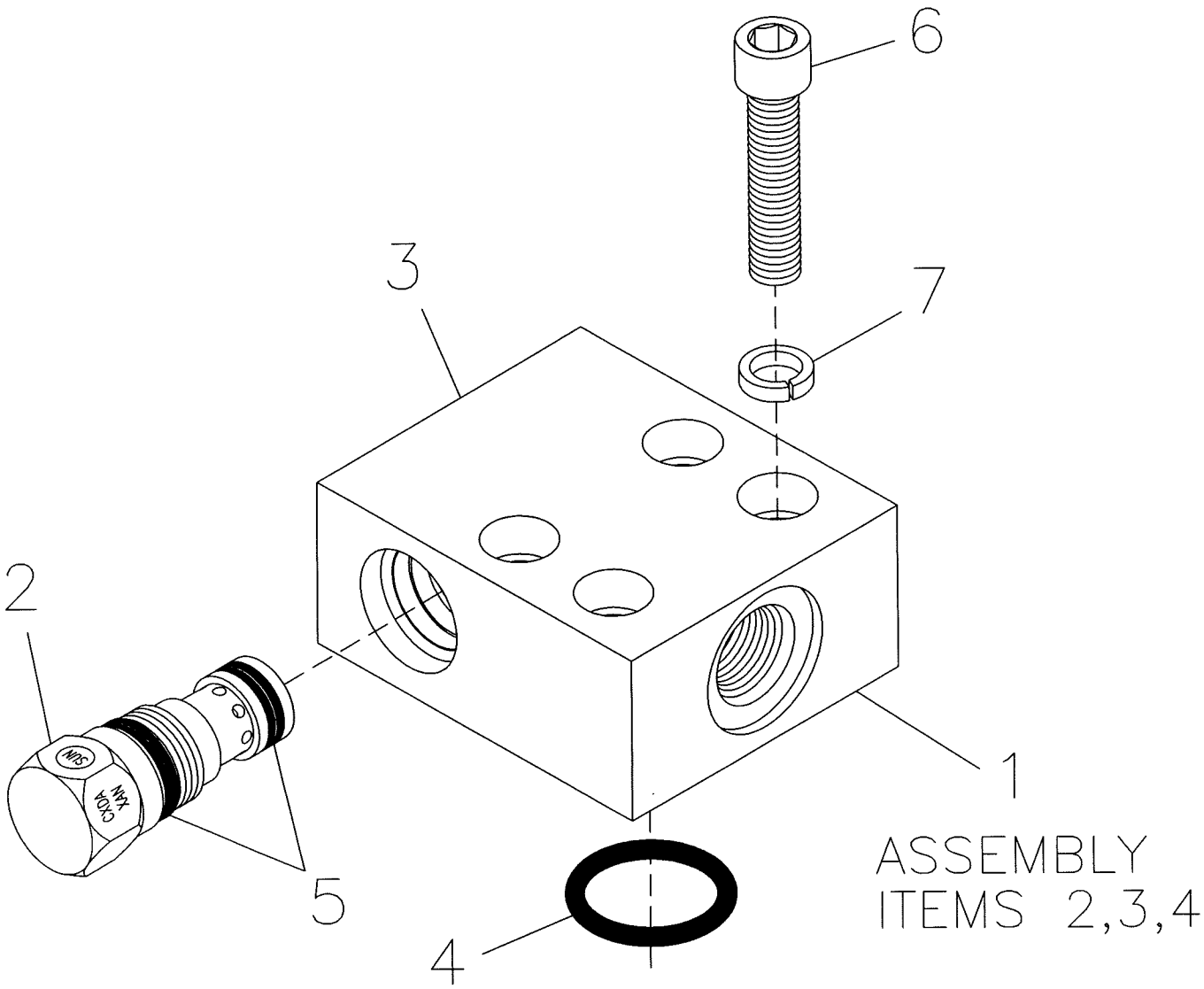
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-315	BARREL ASSEMBLY		1
2	7-316-316	ROD		1
3	7-316-317	HEAD		1
4	7-316-311	PISTON		1
5	7-316-54	SEAL / PISTON	(*)	1
6	7-316-234	WEAR RING / PISTON	(*)	2
7	7-316-362	BUFFER SEAL	(*)	1
8	7-316-80	O-RING / STUB SHAFT	(*)	1
9	7-316-81	O-RING / HEAD	(*)	1
10	7-316-82	BACK-UP RING / HEAD	(*)	1
11	7-316-50	WEAR RING / HEAD	(*)	1
12	7-316-30	SEAL / SHAFT	(*)	1
13	7-316-346	WIPER / CANNED	(*)	1
14	7-316-214	WEAR RING / HEAD	(*)	1
15	7-316-245	O-RING	(*)	1
16	7-316-247	SELF TAPPING SCREW		1
17	7-316-318	STROKE LIMITER		1
18	7-316-205	SELF-LOCKING NUT		1
19				
20	7-900-33	SEAL KIT / ITEMS MARKED	(*)	REF



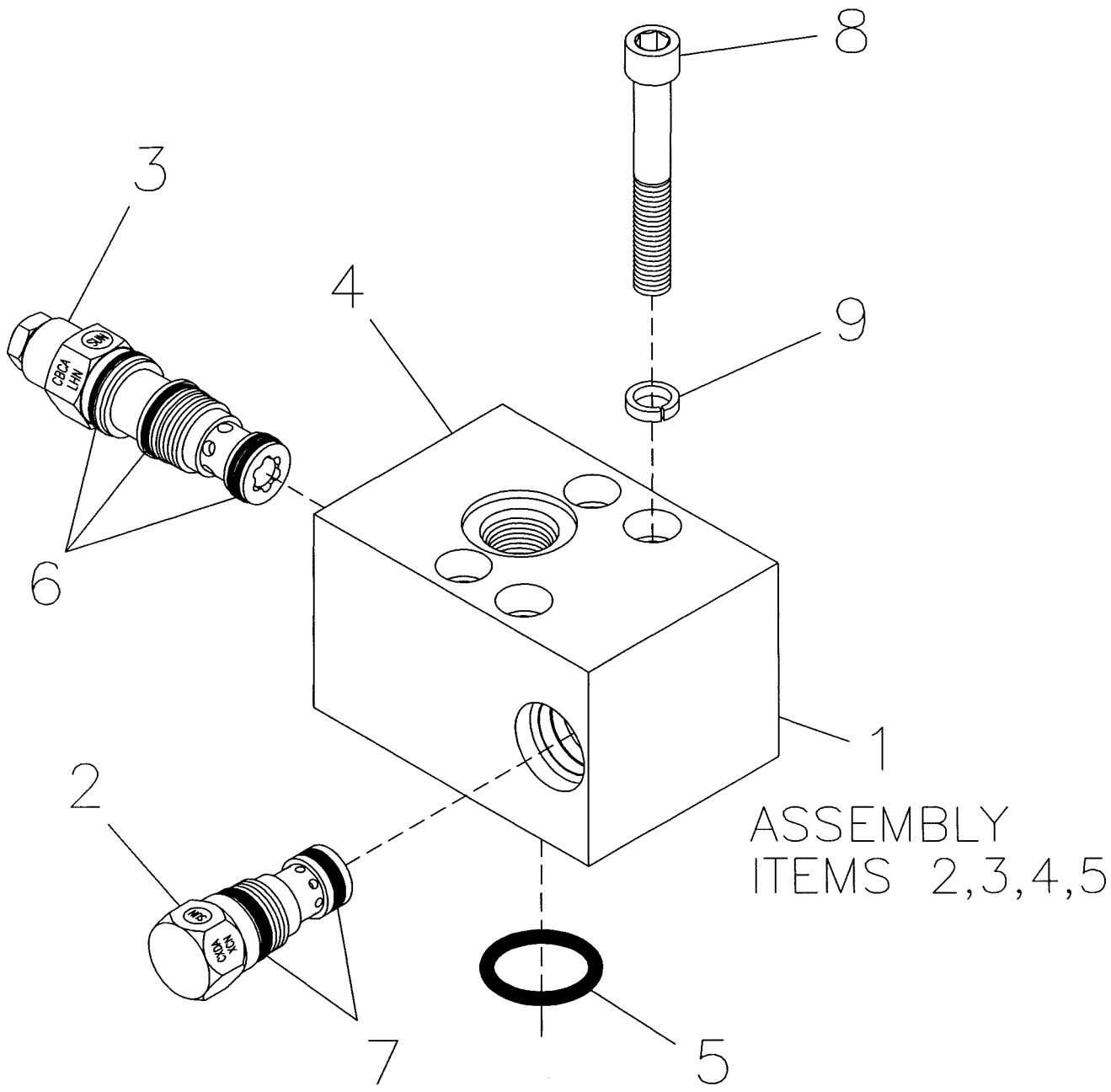
ITEM	NUMBER	DESCRIPTION		REQD
1	7-379-20	WEAR RING	(*)	1
2	7-379-21	PSP SEAL	(*)	1
3	7-379-22	BACK-UP RING	(*)	2
4	7-379-23	O-RING	(*)	1
5	7-379-24	O-RING	(*)	1
6	7-379-25	BACK-UP RING	(*)	1
7	7-379-26	WEAR RING	(*)	1
8	7-379-27	DEEP Z SEAL	(*)	1
9	7-379-28	ROD WIPER	(*)	1
10	7-379-52	LOCKNUT		1
11	7-379-30	PISTON		1
12	7-379-31	BARREL ASSEMBLY		1
13	7-379-51	ROD ASSEMBLY		1
14	7-379-53	CUP PT SET SCREW		1
15	7-379-34	THREAD CAP		1
16	7-379-35	THREAD CAP HEAD		1
17				
18	7-900-85	SEAL KIT / ITEMS MARKED	(*)	REF



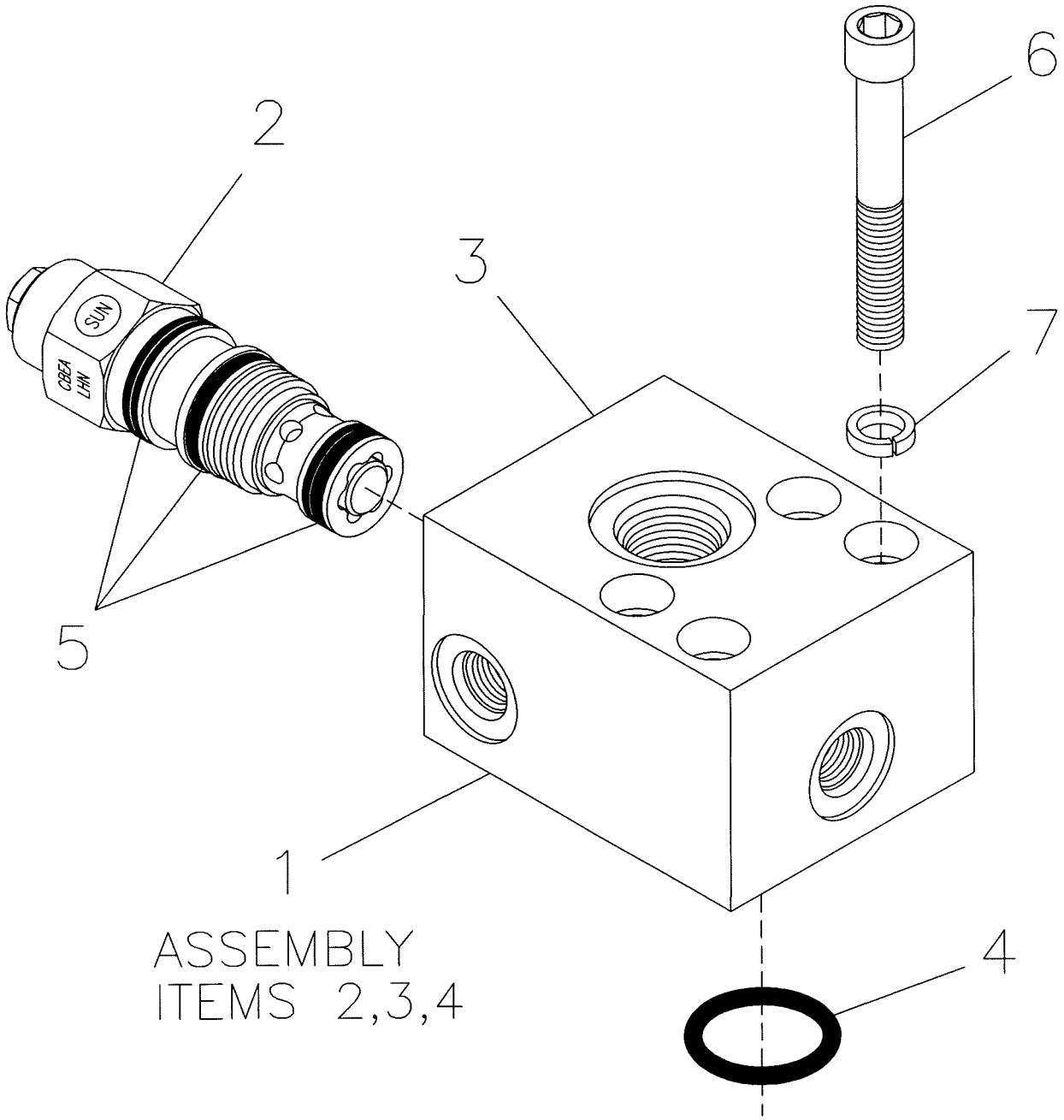
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-399	BARREL ASSEMBLY		1
2	7-316-320	ROD ASSEMBLY		1
3	7-316-402	HEAD		1
4	7-316-400	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-376	BUFFER SEAL	(*)	1
8	7-316-87	O-RING / PISTON	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP RING / HEAD	(*)	1
11	7-316-398	WEAR RING / HEAD	(*)	2
12	7-316-19	SEAL / ROD	(*)	1
13	7-316-375	WIPER / ROD	(*)	1
14	7-316-323	O-RING	(*)	1
15	7-316-247	SELF TAPPING SCREW		1
16	7-316-161	BRONZE BUSHING / Ref: 6-4512-24		2
17	7-316-401	STROKE LIMITER		1
18	7-316-150	LUBE FITTING		2
19	7-316-74	SELF LOCKING NUT		1
20				
21	7-900-114	SEAL KIT / ITEMS MARKED	(*)	REF



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

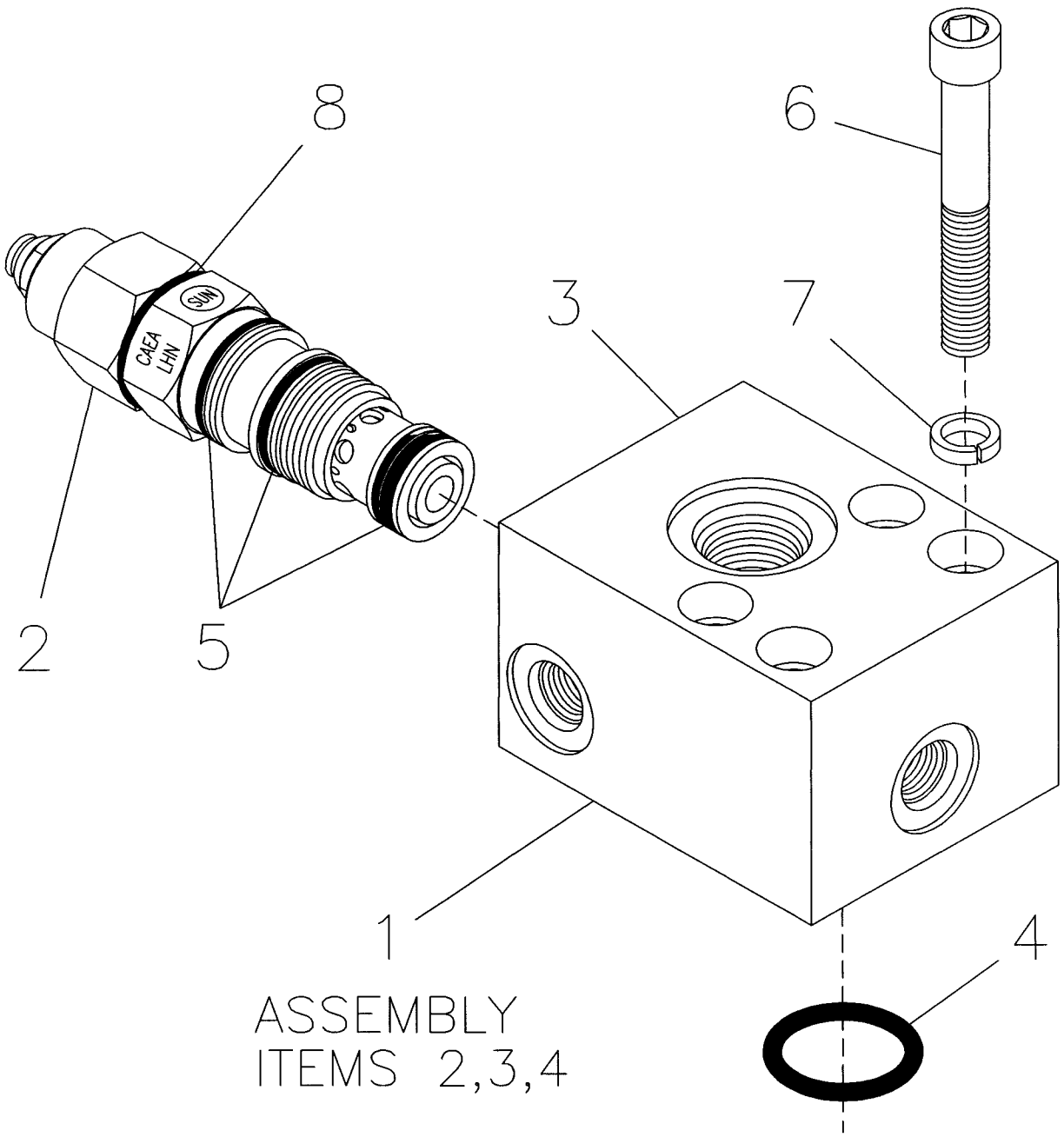


ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-01	MOTION VALVE ASSEMBLY	1
2	7-234-80	CARTRIDGE / CHECK	1
3	7-234-19	CARTRIDGE / COUNTERBALANCE	1
4	7-234-25	BODY	1
5	7-234-32	O-RING	1
6	7-234-29	SEAL KIT	1
7	7-234-31	SEAL KIT	1
8	6-5606-22	CAPSCREW SH 3/8 NC x 2 3/4 LG.	4
9	6-6214-06	LOCKWASHER 3/8 HI-COLLAR	4

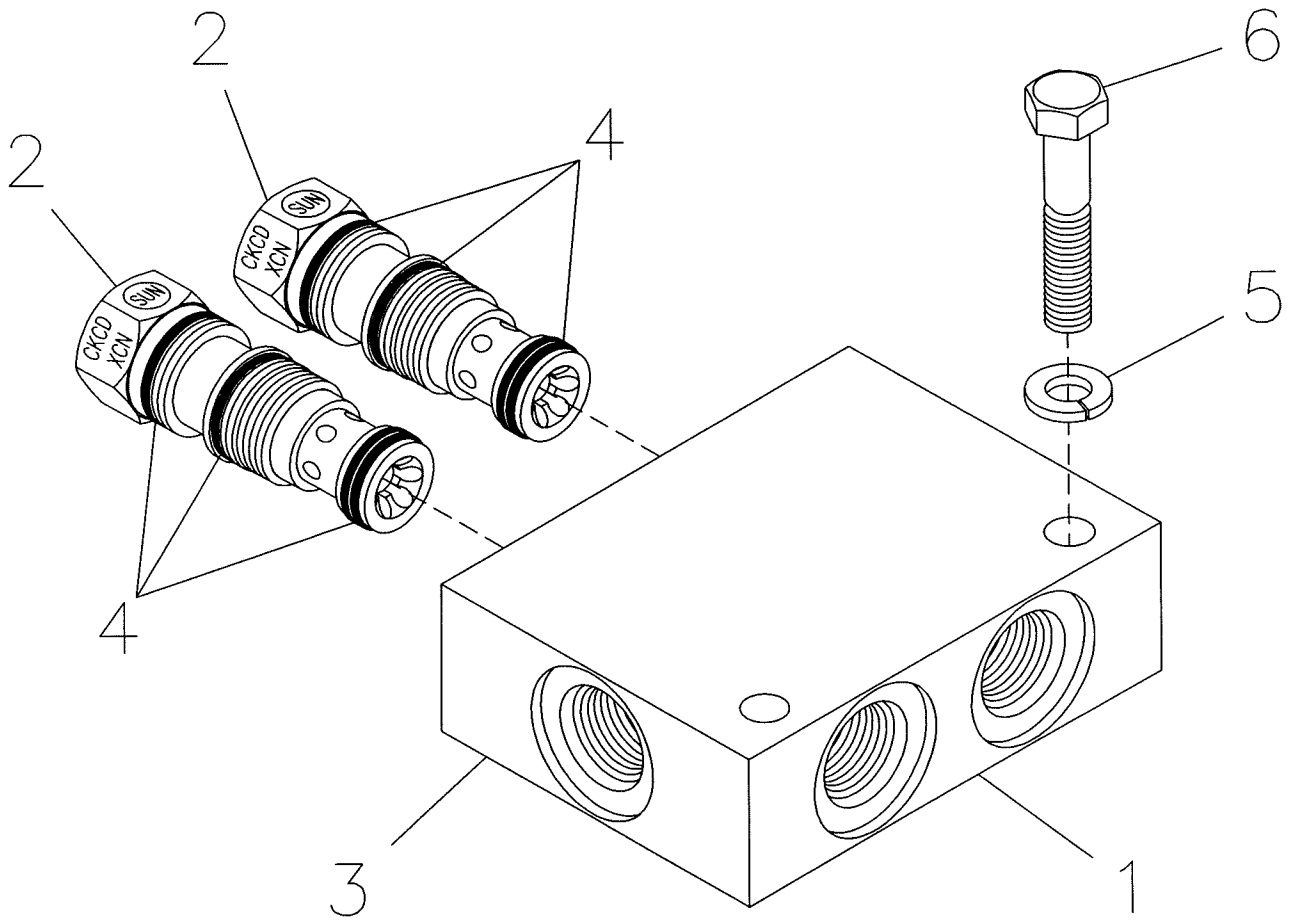


ASSEMBLY
ITEMS 2,3,4

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



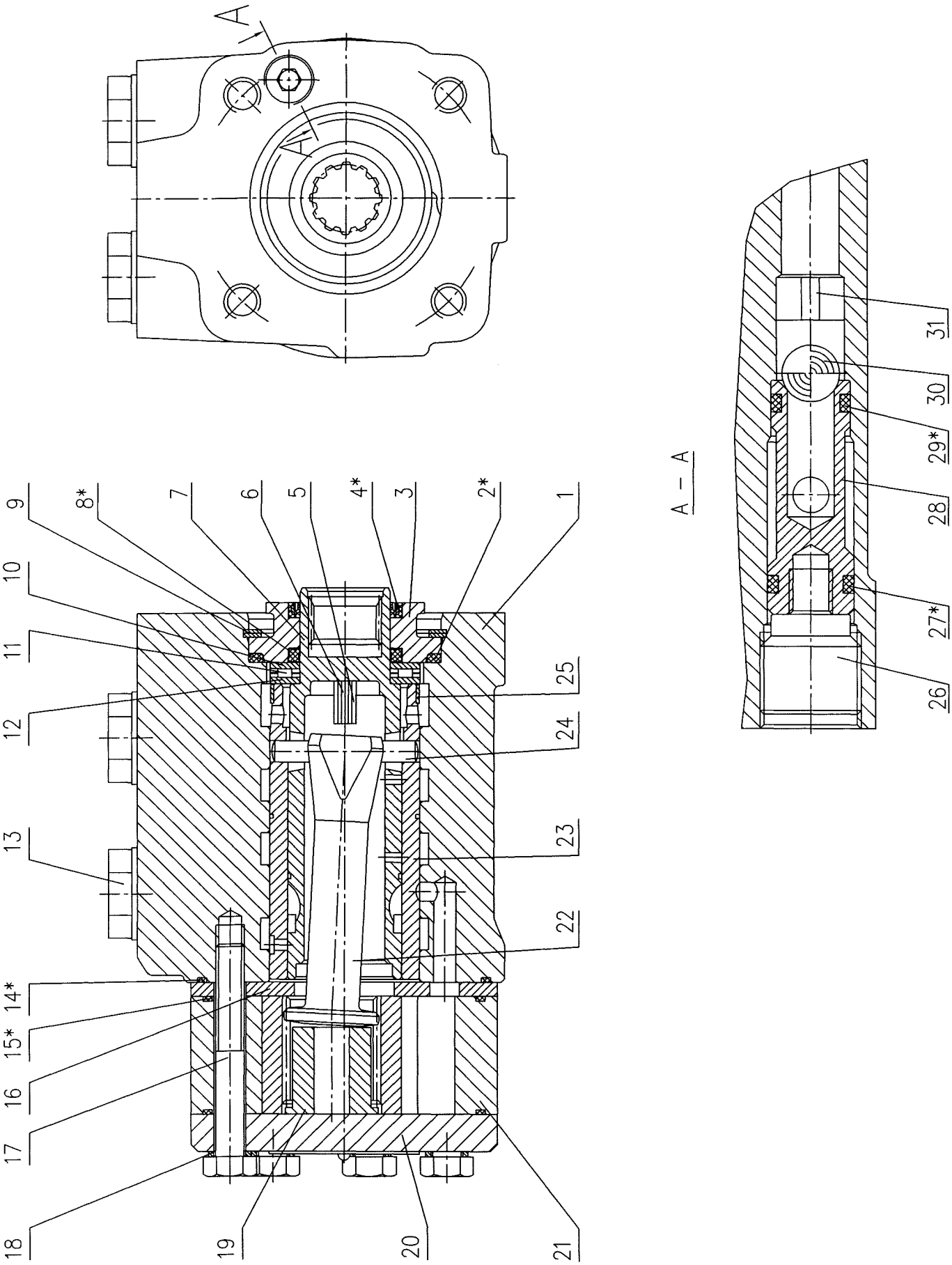
ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-54	MOTION VALVE ASSEMBLY	1
2	7-234-53	CARTRIDGE / COUNTERBALANCE	1
3	7-234-23	BODY	1
4	7-234-32	O-RING	1
5	7-234-30	SEAL KIT	1
6	6-5606-22	CAPSCREW SH 3/8 NC x 2 3/4 LG.	4
7	6-6214-06	LOCKWASHER 3/8 HI-COLLAR	4
8	7-234-60	O-RING	1



ASSEMBLY
ITEMS 2,3

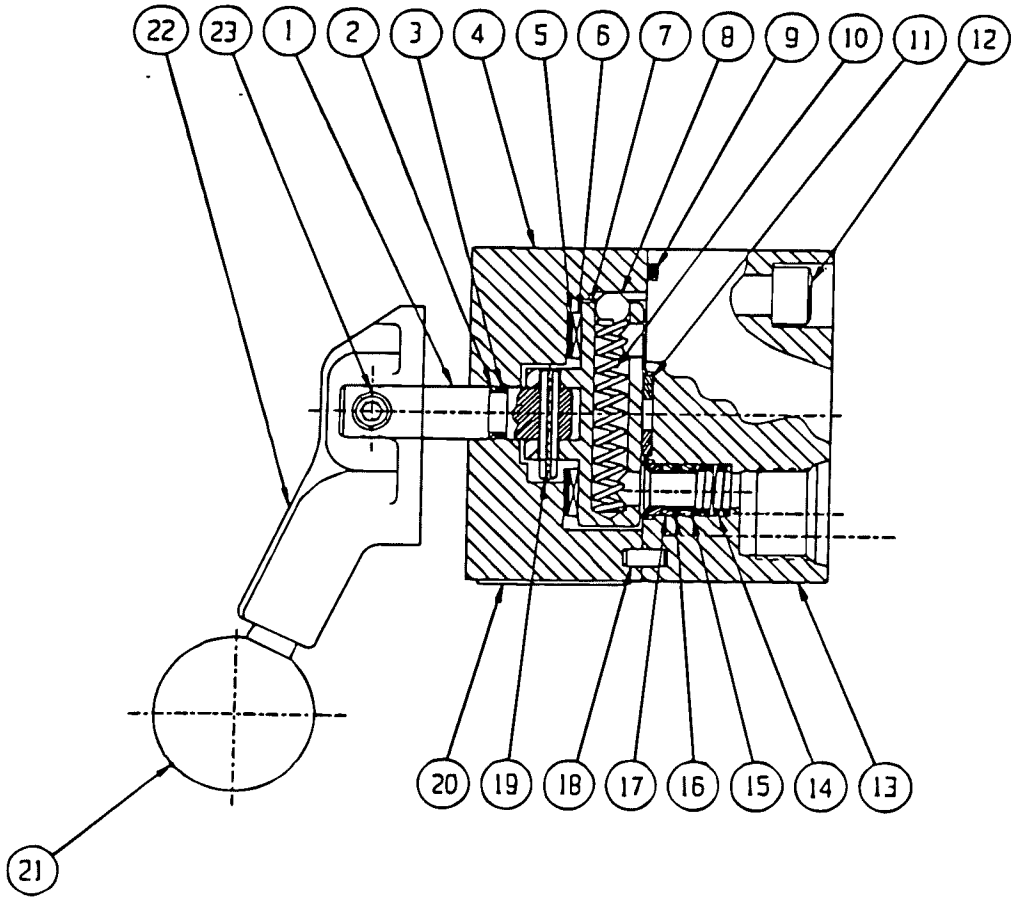
ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-04	DUAL PILOT CHECK VALVE ASSY	1
2	7-234-18	CARTRIDGE / PILOT CHECK	2
3	7-234-21	BODY	1
4	7-234-29	SEAL KIT	2
5	6-6211-05	LOCKWASHER 5/16	2
6	6-5205-14	CAPSCREW 5/16 NC x 1 3/4 LG.	2

NOTES

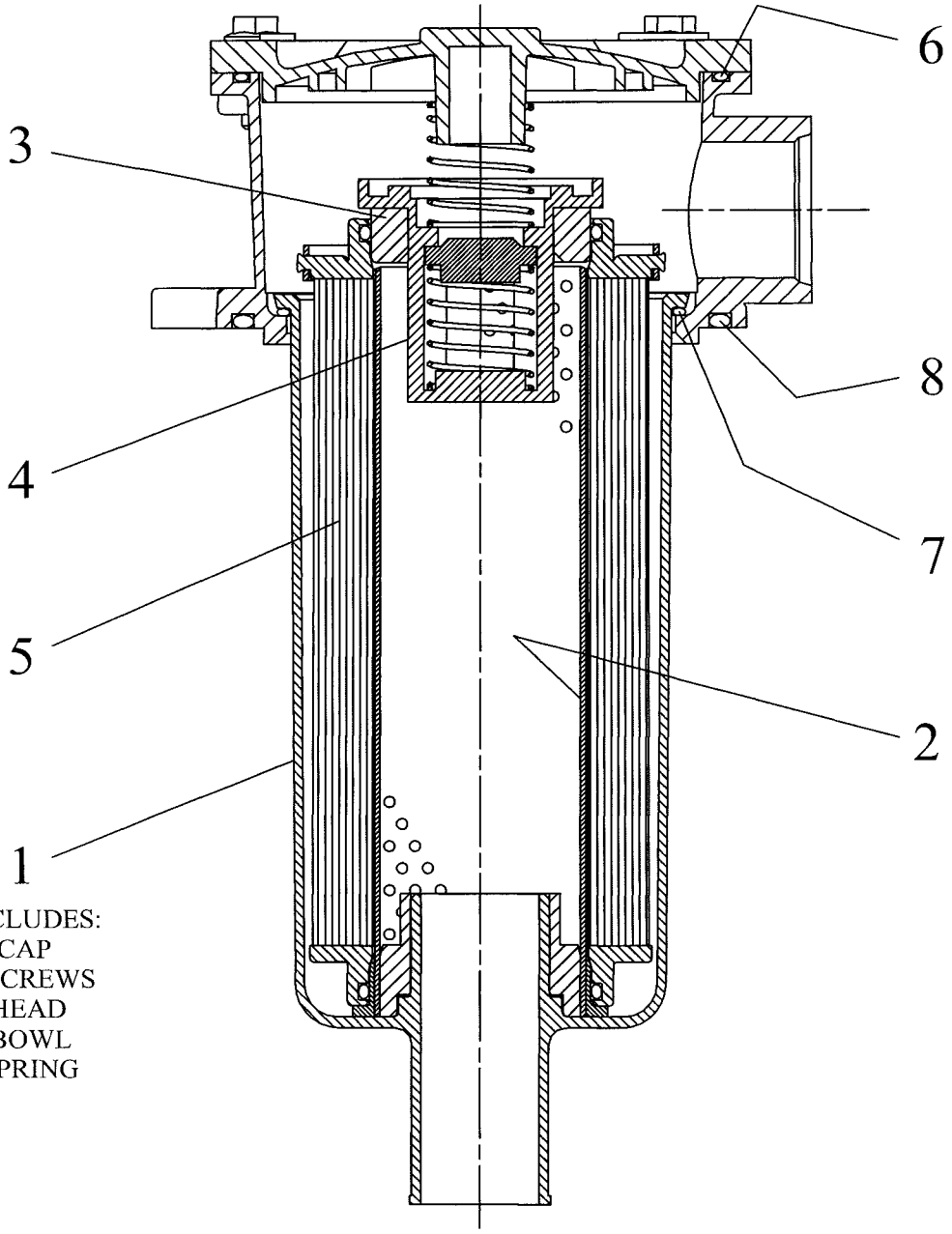


49	PAGE NUMBER	ORBITRAL ASSEMBLY / 7-147-01 TH1048C		DRAWING NUMBER	P1-1554

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

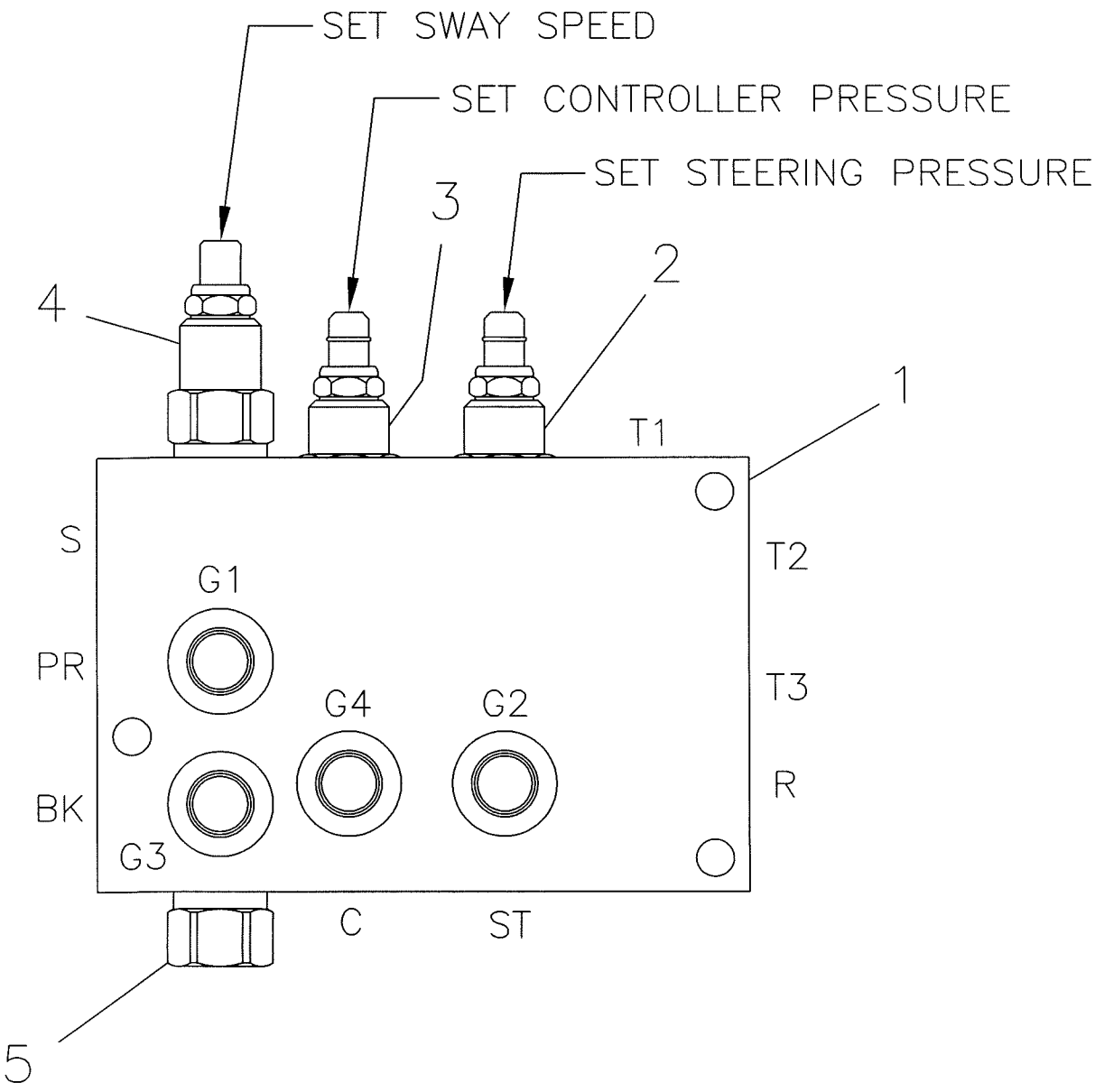

22
23
1
2
3
4
5
6
7
8
9
10
11
12
20
19
18
17
16
15
14
13
21

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

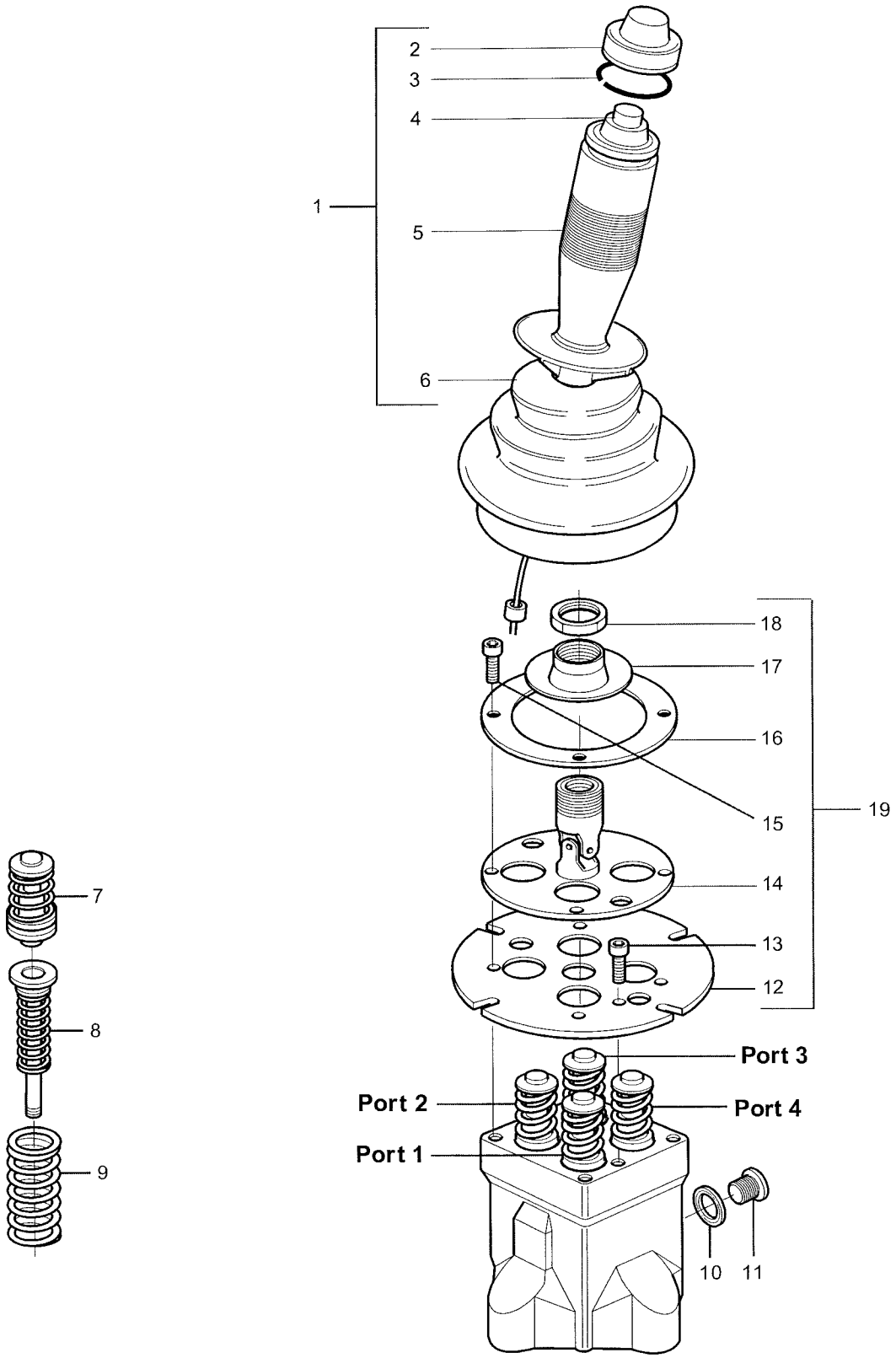


INCLUDES:
CAP
4 SCREWS
HEAD
BOWL
SPRING

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

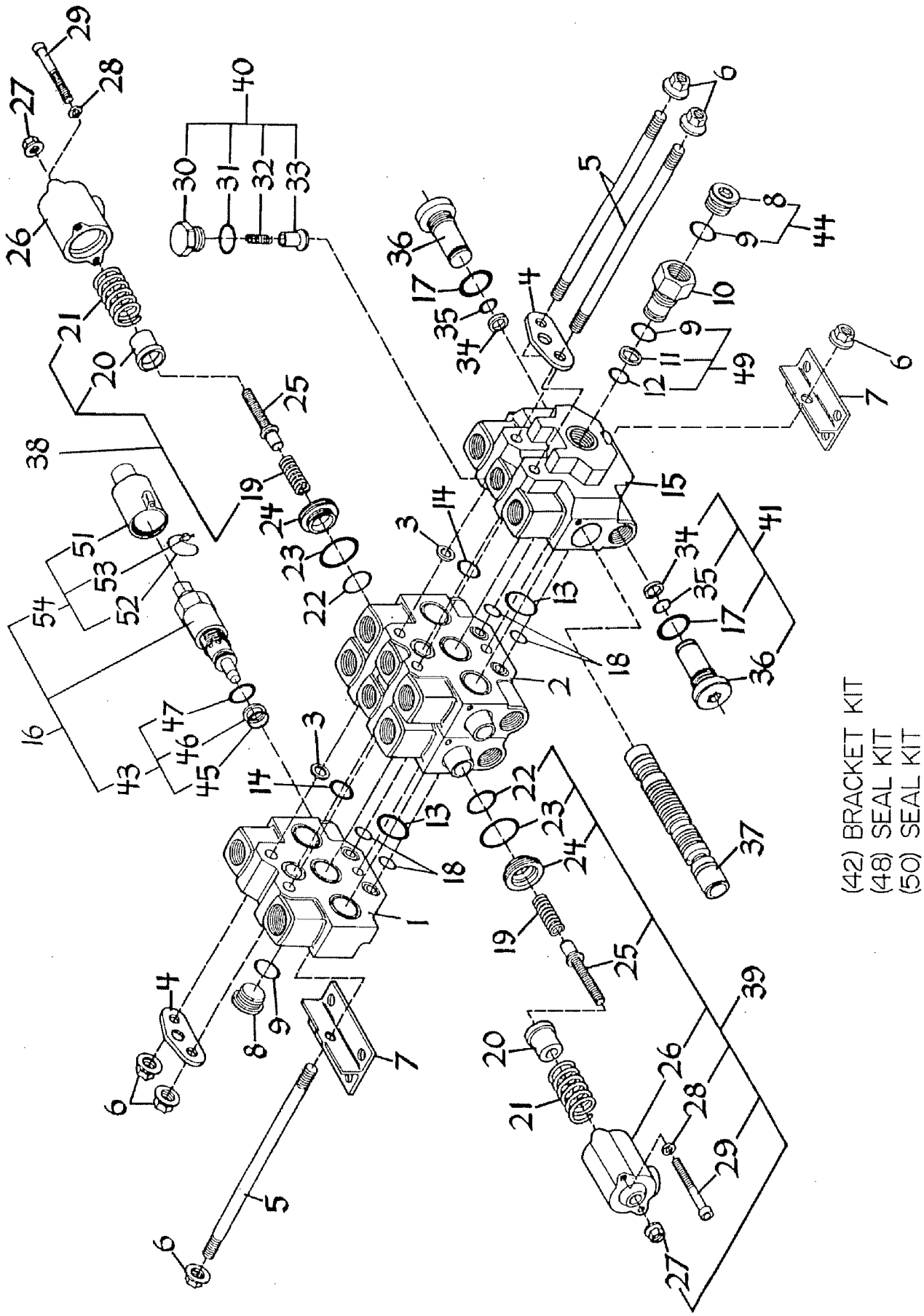


ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-97	BODY	1
2	7-234-28	CARTRIDGE / REDUC.-RELIEVING	1
3	7-234-13	CARTRIDGE / REDUC.-RELIEVING	1
4	7-234-37	CARTRIDGE / NEEDLE	1
5	7-234-80	CARTRIDGE / CHECK	1
6	7-234-94	CONTROL BLOCK ASSEMBLY (ITEMS 1-5)	1



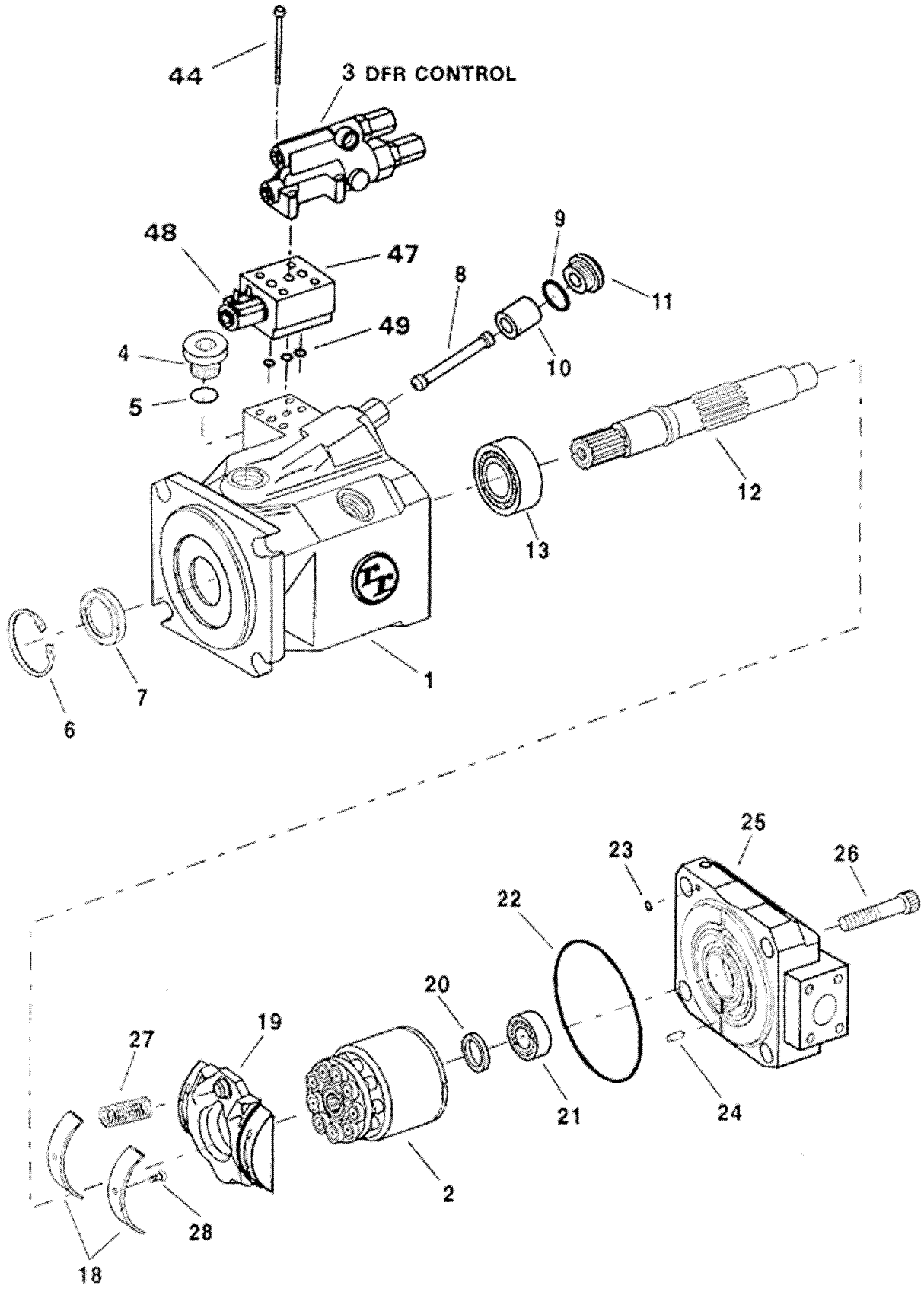
53	PAGE NUMBER	4-WAY CONTROLLER ASSEMBLY / 7-200-139 TH1048C	DRAWING NUMBER	P1-1875

ITEM	NUMBER	DESCRIPTION	REQD
1	7-200-153	HANDLE ASSEMBLY (ITEMS 2 THRU 6)	REF
2	7-200-09	RUBBER CAP (INCLUDED w/ ITEM 1)	1
3	7-200-10	LOCK RING (INCLUDED w/ ITEM 1)	1
4	7-200-07	SWITCH (INCLUDED w/ ITEM 1)	1
5		HANDLE (INCLUDED w/ ITEM 1)	1
6	7-200-154	BELLOWS (INCLUDED w/ ITEM 1)	1
7	7-200-128	PIN SET (PORT 1 & PORT 3)	2
	7-200-129	PIN SET (PORT 2 & PORT 4)	2
8	7-200-158	SPRING PACK	4
9	7-200-159	RETURN SPRING	4
10	7-200-160	FLAT SEAL	1
11	7-200-161	PLUG	1
12		MOUNTING PLATE (INCLUDED w/ ITEM 19)	1
13	7-200-157	SCREW (INCLUDED w/ ITEM 19)	2
14		SWIVEL PLATE (INCLUDED w/ ITEM 19)	1
15	7-200-156	SCREW (INCLUDED w/ ITEM 19)	4
16		RETAINING RING (INCLUDED w/ ITEM 19)	1
17		THREADED CAP (INCLUDED w/ ITEM 19)	1
18		RETAINER NUT (INCLUDED w/ ITEM 19)	1
19	7-200-155	MOUNTING PLATE ASSEMBLY (ITEMS 12 THRU 18)	REF



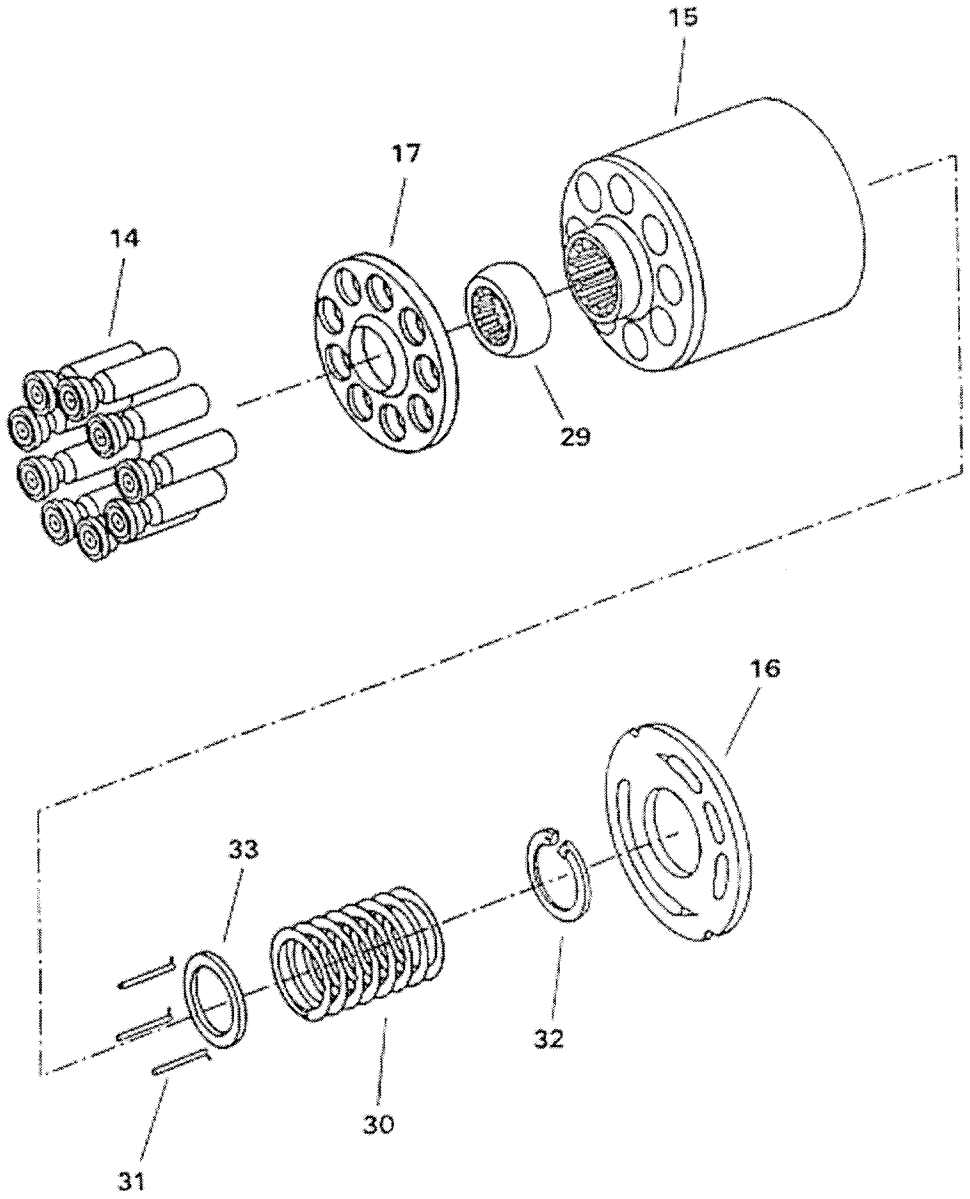
54	PAGE NUMBER	MAIN VALVE ASSEMBLY / 7-200-80 TH1048C	DRAWING NUMBER	P4-1425

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

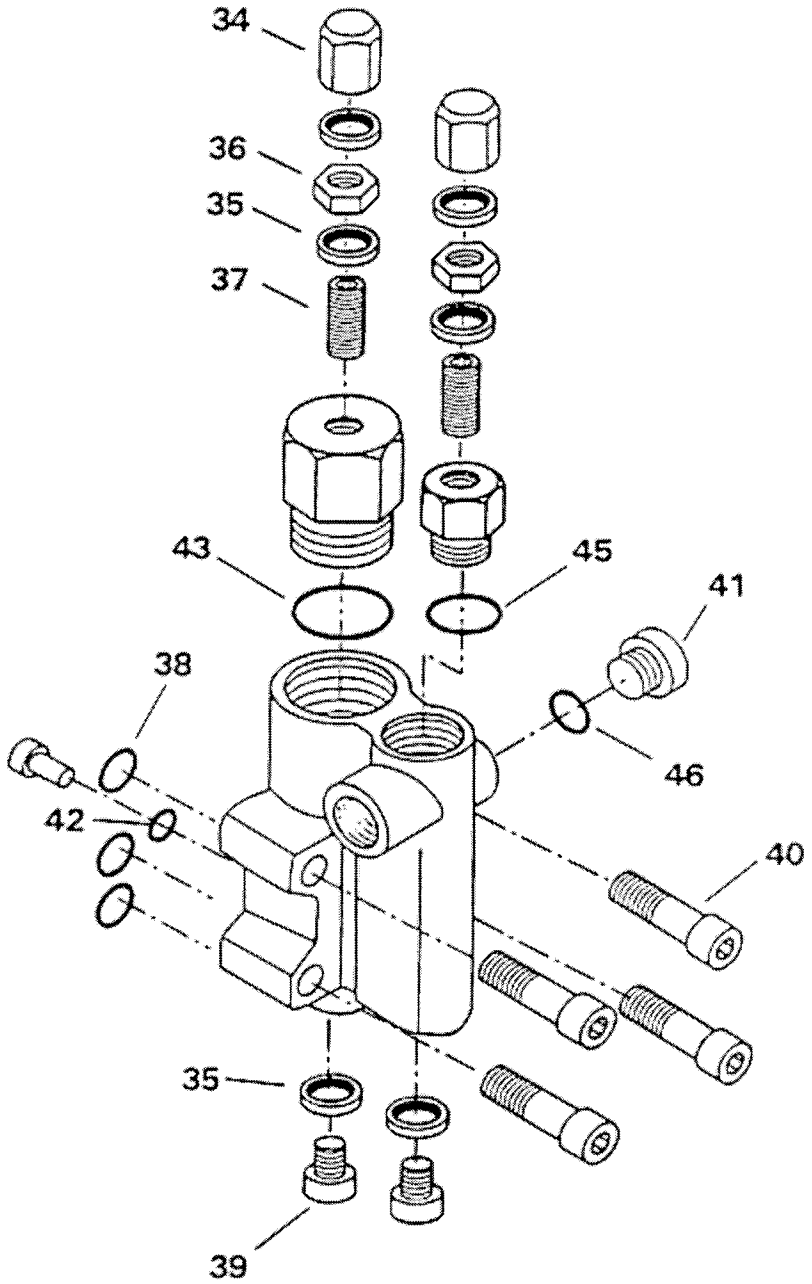


55	PAGE NUMBER	HYDRAULIC PUMP ASSEMBLY / 7-345-113 TH1048C	DRAWING NUMBER	P4-2059

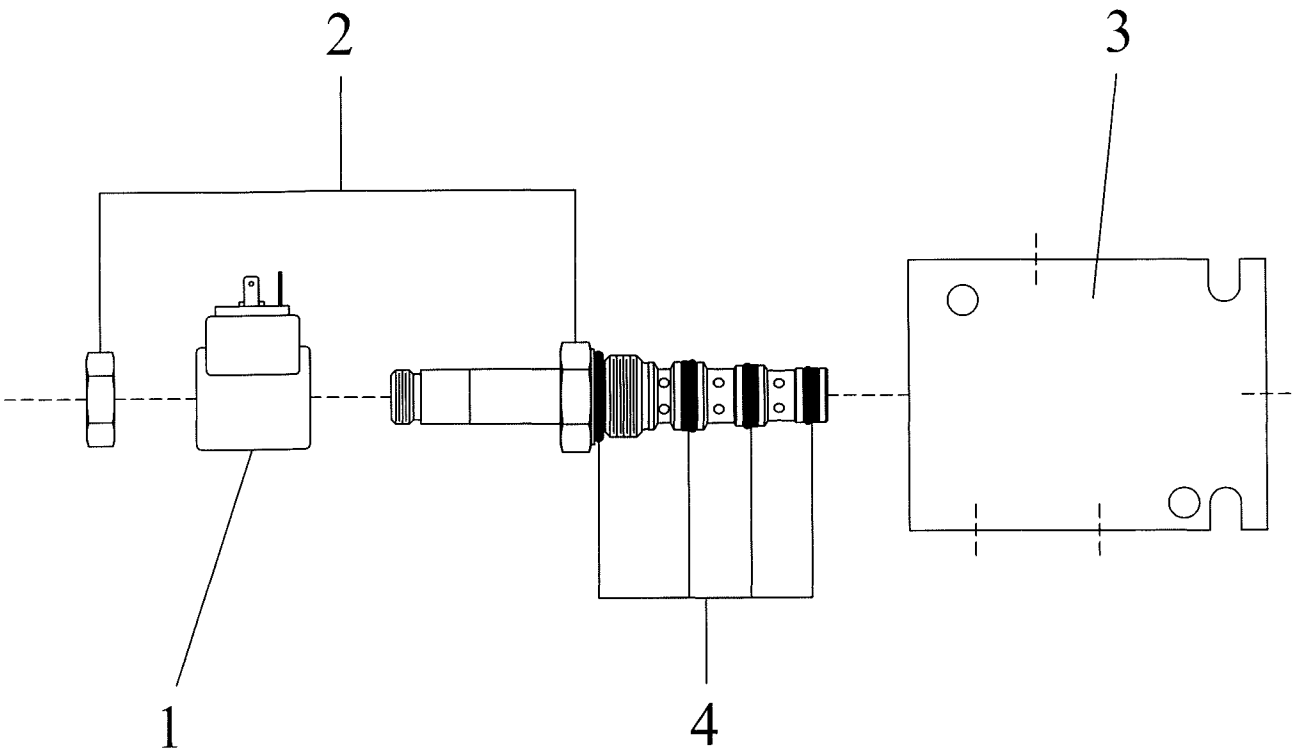
ITEM 2
ROTARY GROUP CW
PARTS BREAKDOWN



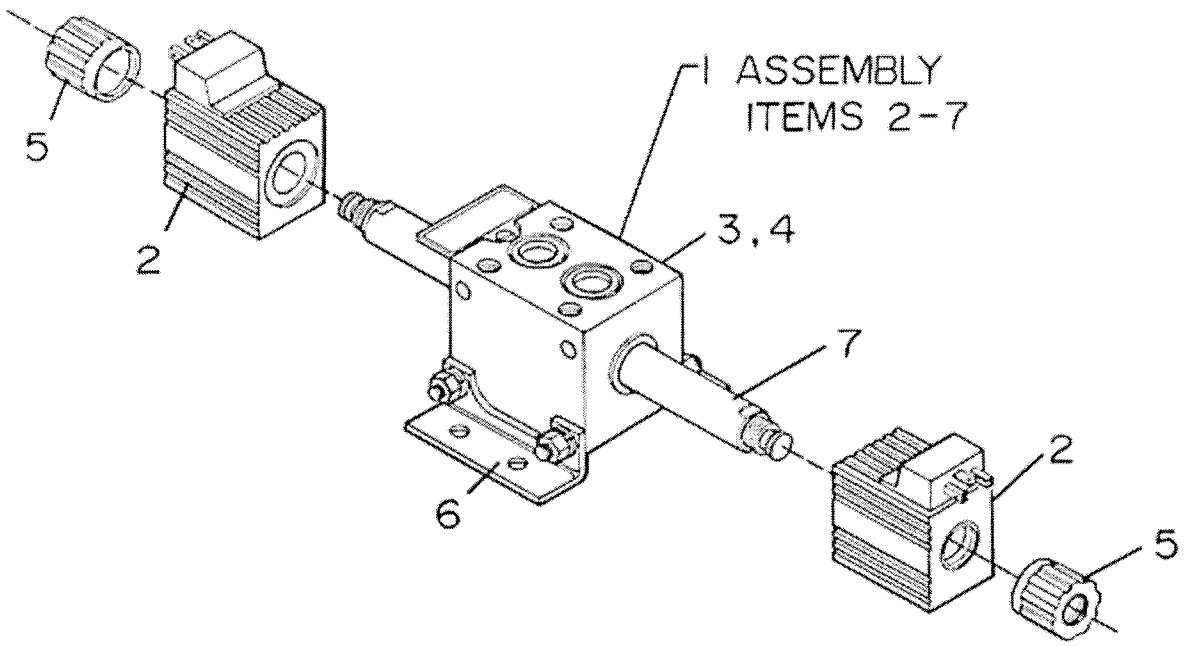
ITEM 3
DFR CONTROL
PARTS BREAKDOWN



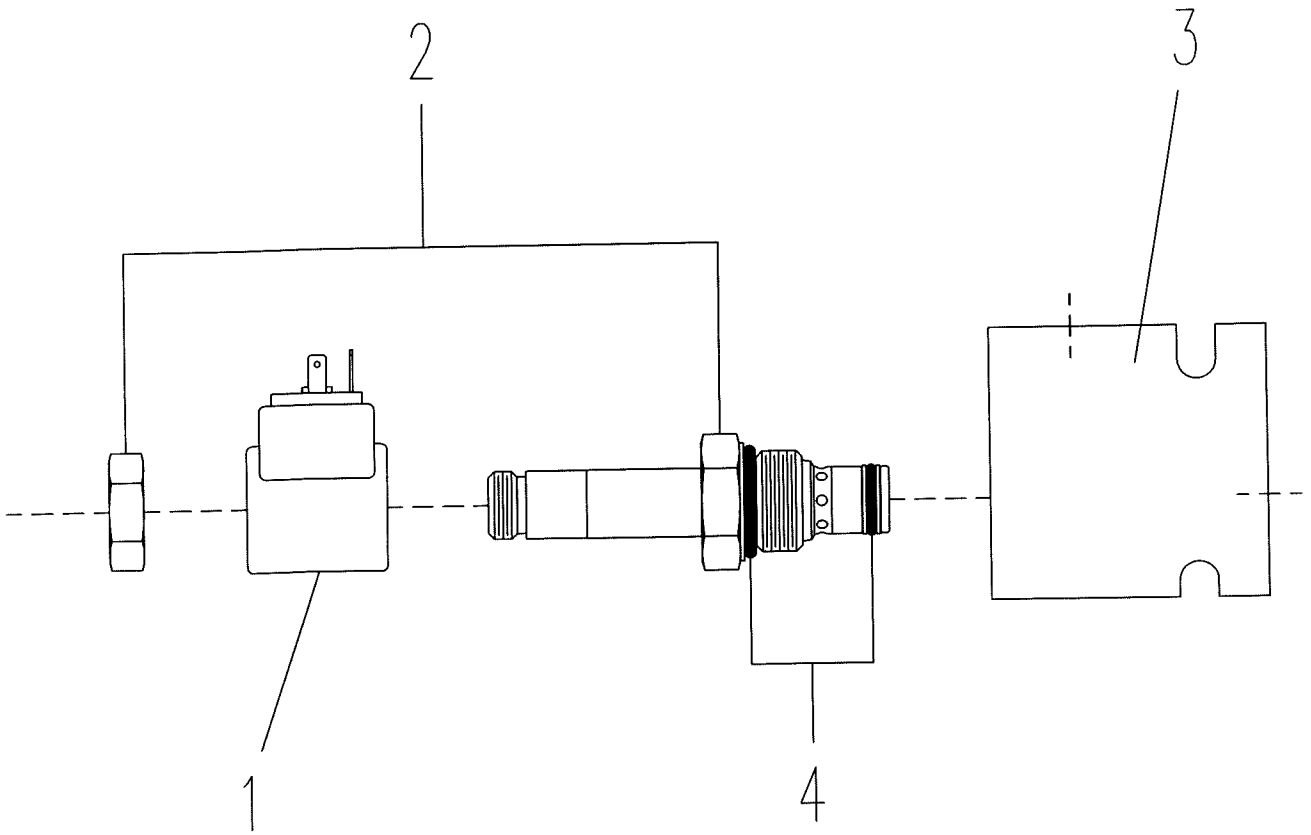
ITEM	NUMBER	DESCRIPTION		REQD
1	7-345-159	HOUSING ASSEMBLY		1
2	7-345-160	ROTARY GROUP CW		1
3	7-345-140	DFR CONTROL		1
4	7-345-05	PLUG		1
5	7-345-06	O-RING	(*)	1
6	7-345-08	SNAP RING		1
7	7-345-09	SHAFT SEAL	(*)	1
8	7-345-10	ROD		1
9	7-345-11	O-RING	(*)	1
10	7-345-12	PISTON		1
11	7-345-161	PLUG		1
12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



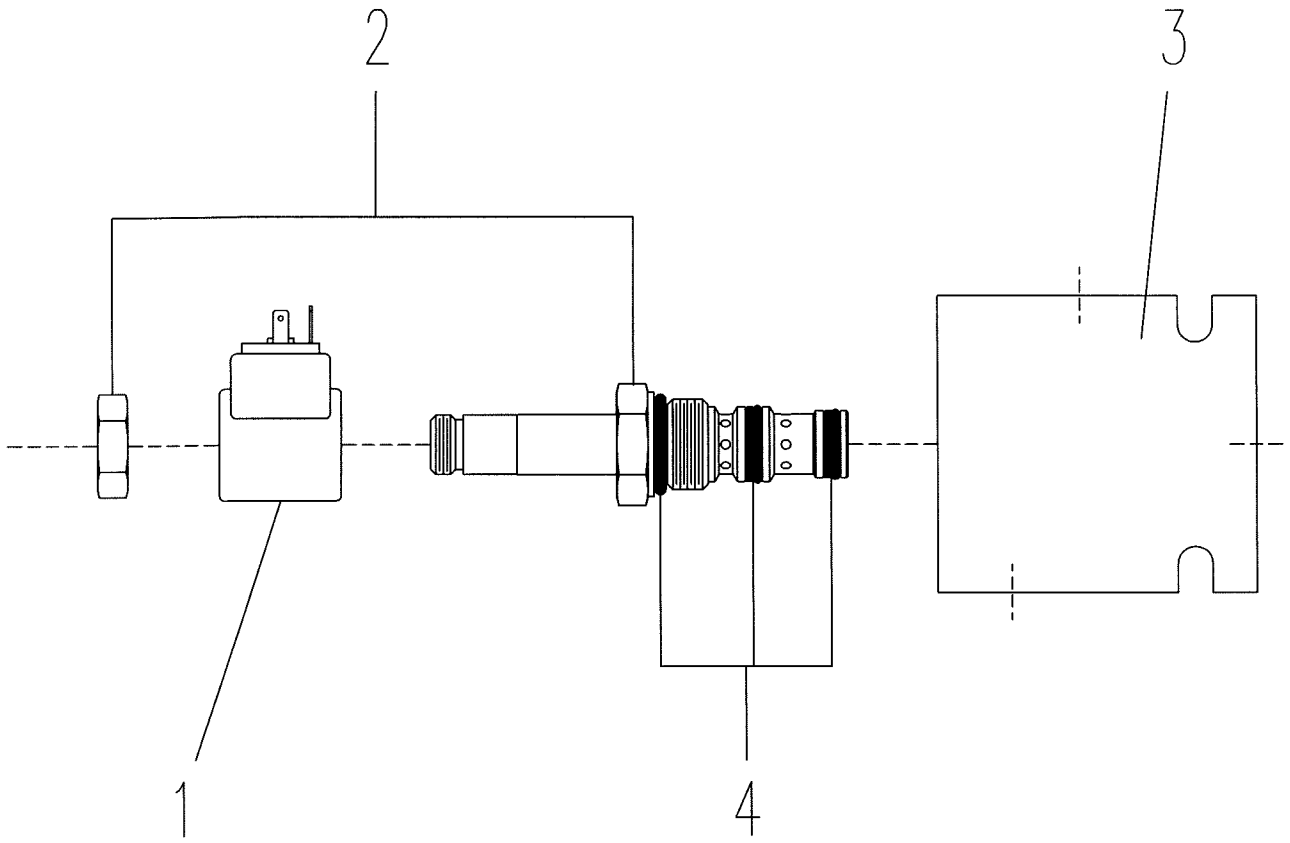
ITEM	NUMBER	DESCRIPTION	REQD
1	7-367-05	COIL / DIN	1
2	7-367-10	CARTRIDGE ASSEMBLY w/ NUT	1
3	7-367-11	BODY	1
4	7-367-19	SEAL KIT / CARTRIDGE	REF



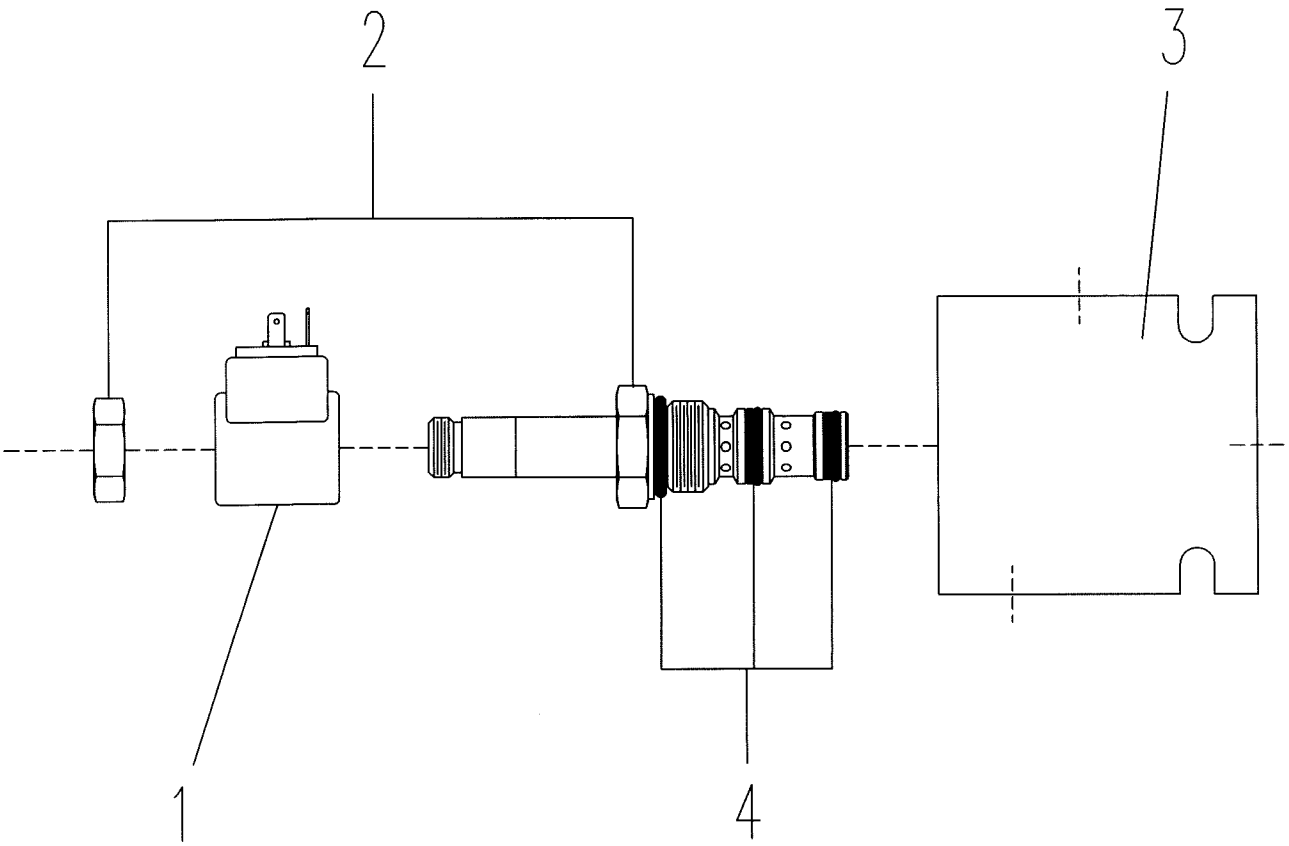
ITEM	NUMBER	DESCRIPTION	REQD
1	7-244-31	ELECTRIC VALVE ASSY / 4-WAY	1
2	7-244-40	COIL / DIN	2
3	7-244-17	SPOOL	1
4	7-244-18	VALVE BODY	1
5	7-244-19	END CAP	2
6	7-244-44	BRACKET ASSEMBLY	1
7	7-244-24	TUBES & PIN / SPOOL ACTUATING	1



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

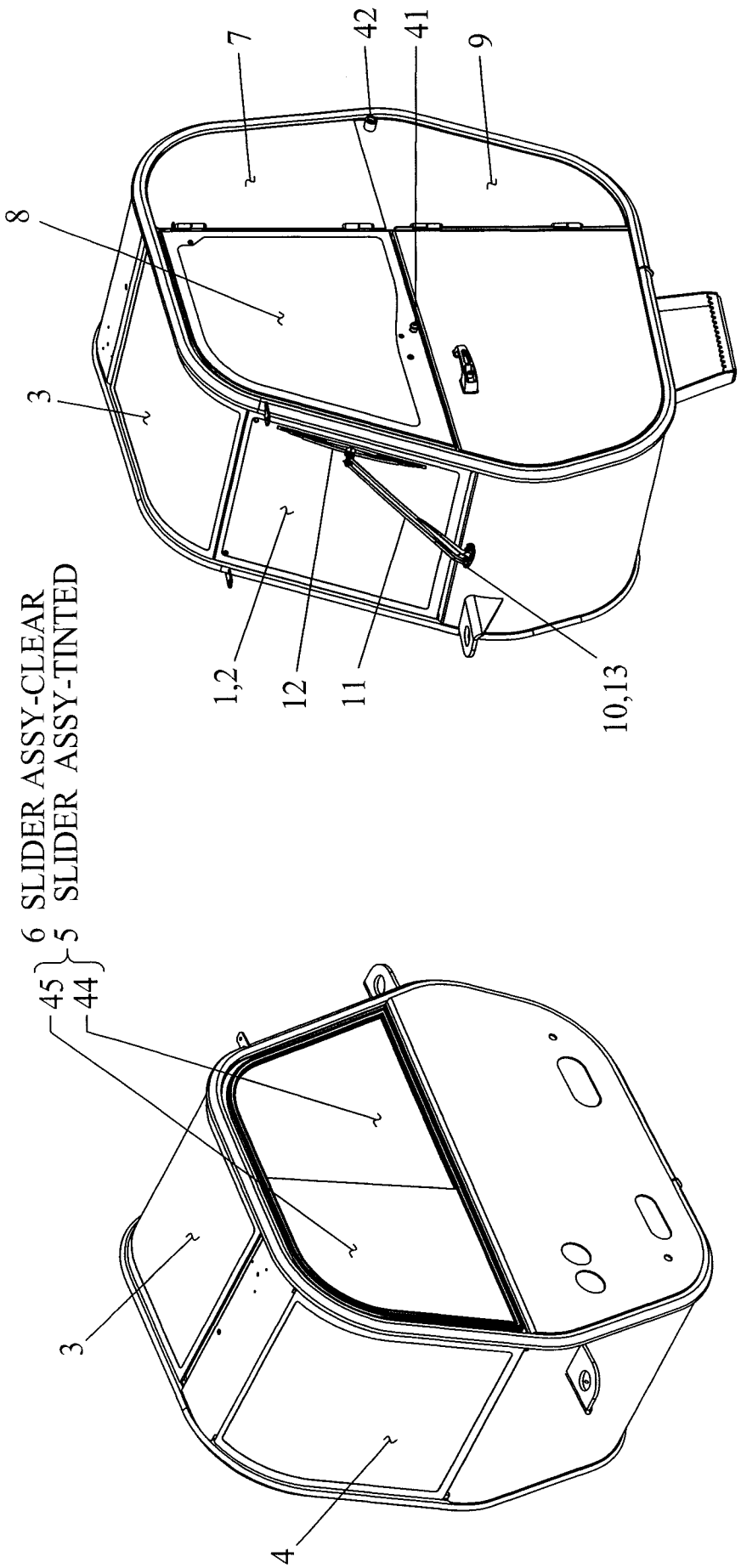


ITEM	NUMBER	DESCRIPTION	REQD
1	7-367-05	COIL / DIN	1
2	7-367-14	CARTRIDGE ASSEMBLY w/ NUT	1
3	7-367-04	BODY	1
4	7-367-18	SEAL KIT / CARTRIDGE	REF

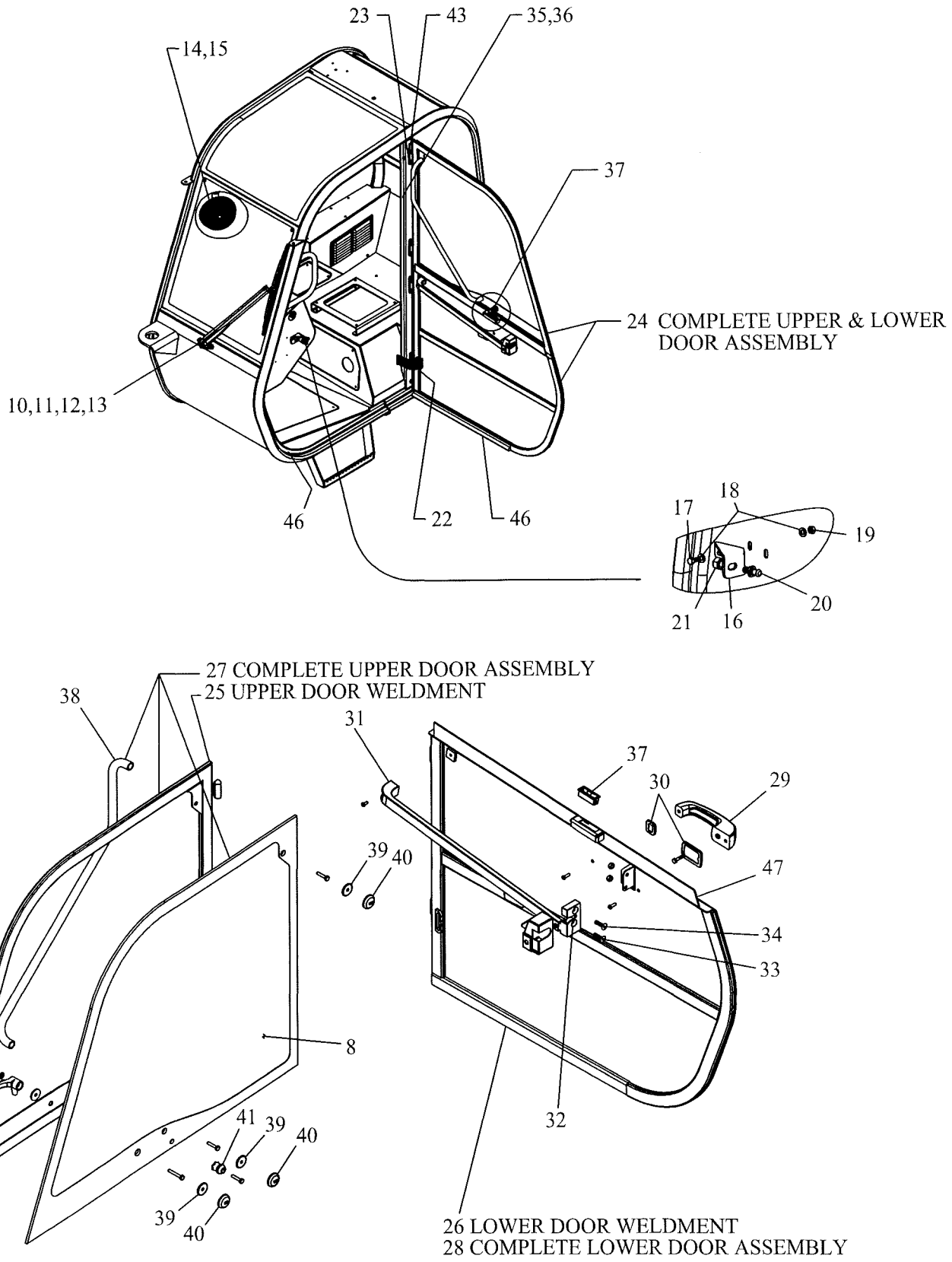


ITEM	NUMBER	DESCRIPTION	REQD
1	7-367-05	COIL / DIN	1
2	7-367-03	CARTRIDGE ASSEMBLY w/ NUT	1
3	7-367-04	BODY	1
4	7-367-18	SEAL KIT / CARTRIDGE	REF

OPTIONAL EQUIPMENT SECTION

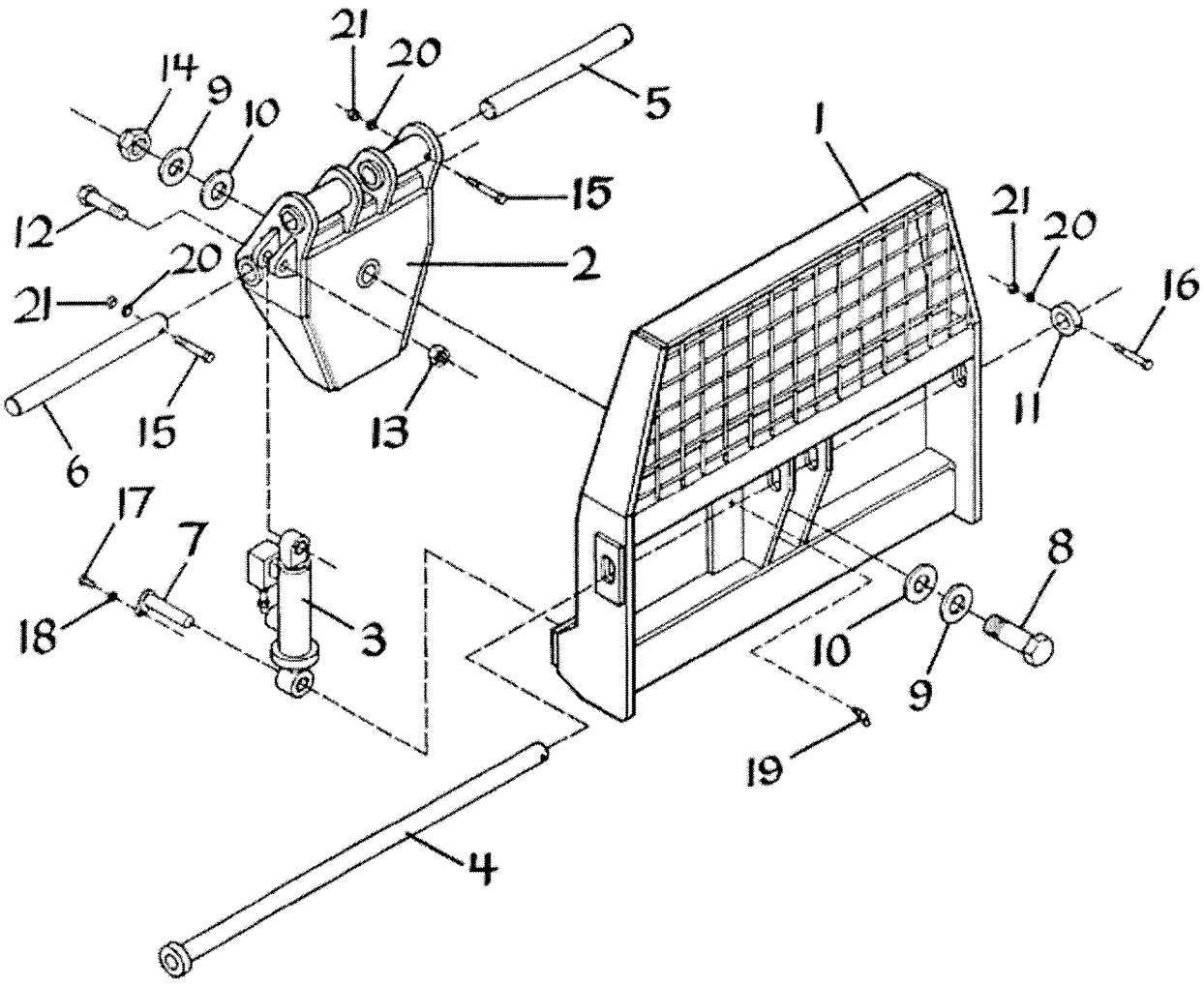


61 PAGE NUMBER	FULLY ENCLOSED CAB ASSEMBLY TH1048C w/ SAF-T-CAB II		DRAWING NUMBER	P1-1918


23
43
35,36
14,15
37
24 COMPLETE UPPER & LOWER DOOR ASSEMBLY
10,11,12,13
46
22
46
18
17
19
20
21
16
27 COMPLETE UPPER DOOR ASSEMBLY
25 UPPER DOOR WELDMENT
38
31
37
30
29
39
40
47
34
33
8
37
41
39
40
32
39
40
26 LOWER DOOR WELDMENT
28 COMPLETE LOWER DOOR ASSEMBLY

ITEM	NUMBER	DESCRIPTION	REQD
1	7-132-102	GLASS / WINDSHIELD-TINTED	1
2	7-132-30	GLASS / WINDSHIELD-CLEAR	1
3	7-132-101	GLASS / SKYLIGHT-TINTED	1
4	7-132-101	GLASS / REAR WINDOW-TINTED	1
5	7-132-33	GLASS / RH SLIDER ASSY-TINTED	1
6	7-132-23	GLASS / RH SLIDER ASSY-CLEAR	1
7	7-132-117	GLASS / LH REAR-TINTED	1
8	7-132-39	GLASS / UPPER SPLIT DOOR-SOLID-TINTED	1
9	7-132-121	PANEL / LH REAR LOWER	1
10	7-132-124	WIPER MOTOR	1
11	7-132-126	PANTOGRAPH WIPER ARM / 20 IN.	1
12	7-132-125	WIPER BLADE / 20 IN.	1
13	7-132-127	PANTOGRAPH ADAPTER KIT	1
14	7-347-02	DEFROSTER FAN	1
15	6-6284-05	MACHINE SCREW 10-24 x 3/4 LG.	4
16	7-132-133	STRIKER BRACKET	1
17	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
18	6-6212-05	FLATWASHER 5/16	4
19	6-6205-05	SELF LOCKING NUT 5/16 NC	2
20	7-132-41	DOOR STRIKER	1
21	7-132-57	NUT / DOOR STRIKER	1
22	7-132-134	DOOR STRAP / 5 1/2"	1
23	7-132-129	DOOR HINGE ASSEMBLY	4
24	7-132-118	FINISHED CAB DOORS ASSY / UPPER & LOWER	1
25	7-132-130	CAB DOOR WELDMENT / UPPER	1
26	7-132-131	CAB DOOR WELDMENT / LOWER	1
27	7-132-104	COMPLETE UPPER DOOR ASSEMBLY	REF
28	7-132-135	COMPLETE LOWER DOOR ASSEMBLY	REF
29	7-132-136	DOOR LATCH-EXTERIOR	1
30	7-132-138	DOOR LATCH GASKETS-EXTERIOR	1
31	7-132-50	INSIDE GRAB HANDLE	1
32	7-132-52	PIVOT ASSEMBLY	1
33	7-132-58	BOLT M8 x 1.25 x 55 mm	1
34	7-132-59	BOLT M8 x 1.25 x 40 mm	1
35	7-132-119	DOOR POST / BOLT-ON	1
36	7-132-63	SPACER / DOOR POST	4
37	7-132-137	UPPER DOOR LATCH KIT	1
38	7-132-132	UPPER DOOR HANDLE	1
39	7-132-84	HARD PLASTIC WASHER	3
40	7-132-74	PLASTIC SNAP CAP	3
41	7-132-128	DOOR HOLDBACK STUB	1
42	7-132-123	DOOR HOLDBACK SOCKET	1
43	7-132-120	DOOR HINGE RETAINER TAB	1
44	7-132-64	GLASS / FRONT SLIDER (INCL. w/ ITEM 5)	1
45	7-132-65	GLASS / REAR FIXED (INCL. w/ ITEM 5)	1
46	7-132-46	SEAL RUBBER-DOOR FRAME-193" REQ'D	REF
47	7-132-139	SEAL FOAM-37 3/4" REQ'D	REF
		ITEMS NOT SHOWN	
48	7-132-71	FRONT SCREEN ASSEMBLY	REF
49	7-132-70	SIDE SCREEN ASSEMBLY	REF

NOTES

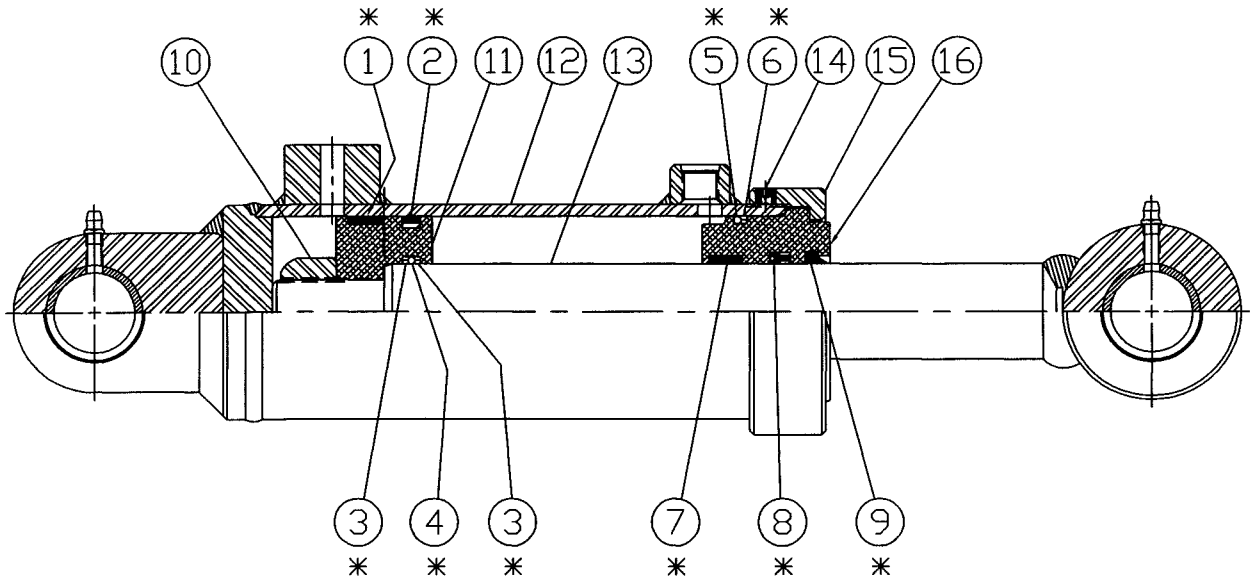


62	PAGE NUMBER	FORK FRAME / ROTATE ASSEMBLY TH1048C	DRAWING NUMBER	P4-1492

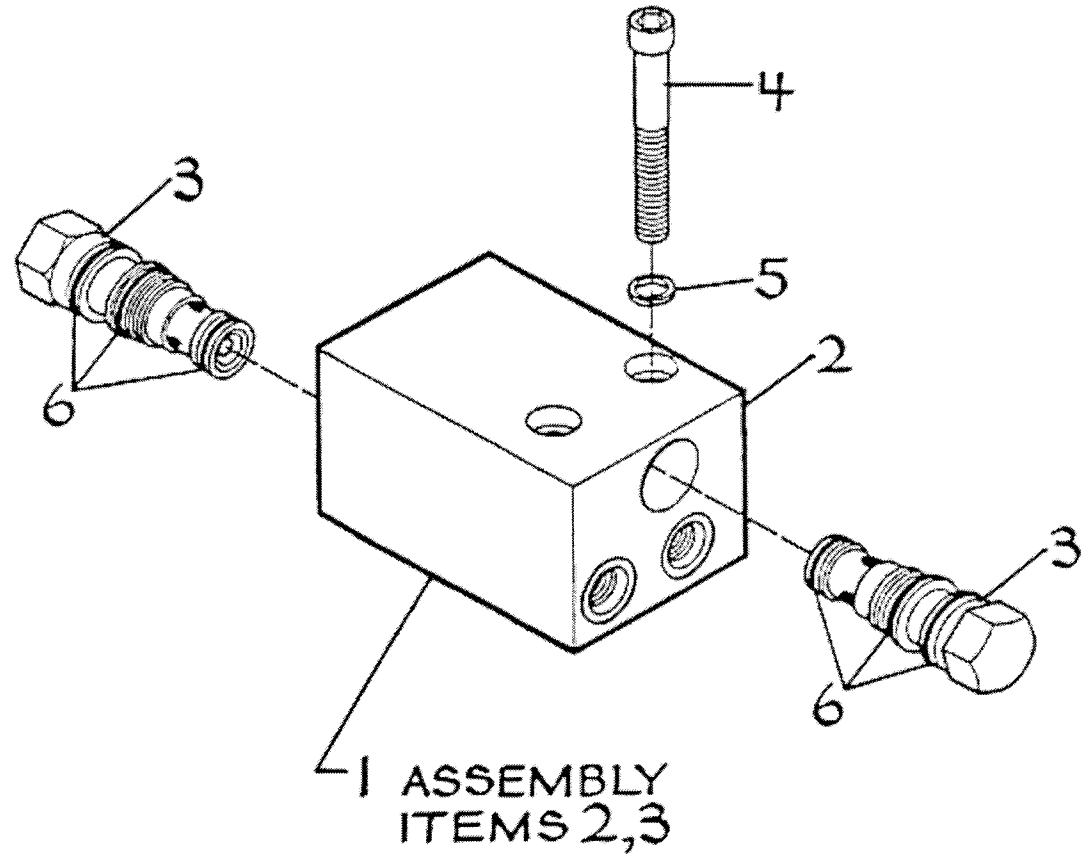
ITEM	NUMBER	DESCRIPTION	REQD
1	SEE TABLE	ROTATING FORK FRAME	REF
2	4-1498	PIVOT FRAME / TH1048C	1
3	7-379-01	CYLINDER / ROTATE	1
4	SEE TABLE	PIN / FORK TINE	REF
5	6-3016-01	PIN / HEAD END TILT CYLINDER	1
6	6-3316-168	PIN / PIVOT SMALL BOOM	REF
7	2-1066	PIN / HEAD END ROTATE CYLINDER	1
8	1-1072	BOLT / FORK FRAME ROTATE	1
9	1-1073	WASHER / STEEL	2
10	6-6600-06	WASHER / BRONZE	2
11	1-1113	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 FRAME WIDTH	ROTATING FORK FRAME PART NUMBER	FORK TINE PIN PART NUMBER
48" WIDE	4-1500	2-1125-10
60" WIDE	4-1501	2-1125-11
72" WIDE	4-1502	2-1125-12



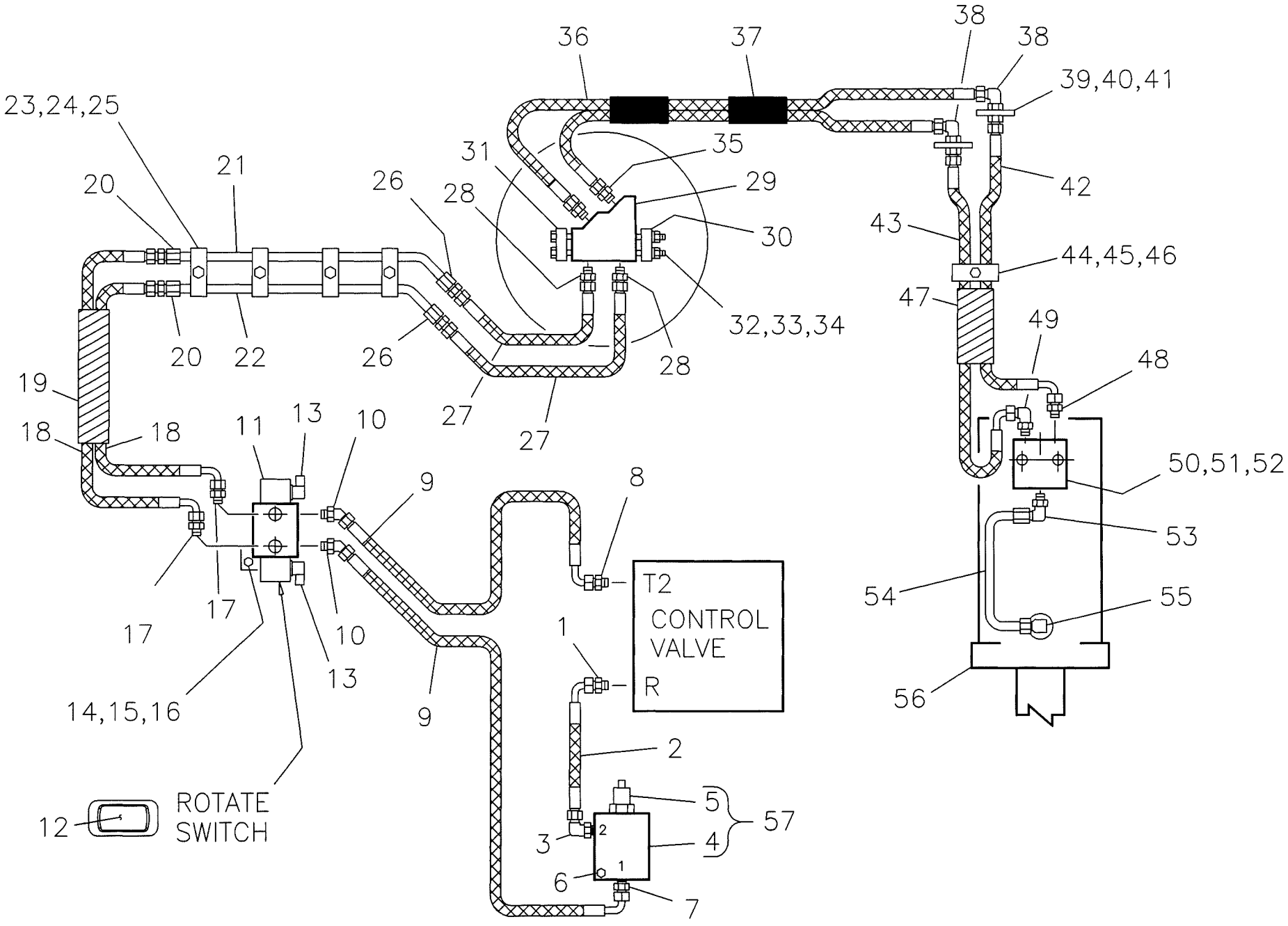
ITEM	NUMBER	DESCRIPTION		REQD
1	7-379-36	WEAR RING	(*)	1
2	7-379-37	PSP SEAL	(*)	1
3	7-379-22	BACK-UP RING	(*)	2
4	7-379-23	O-RING	(*)	1
5	7-379-38	O-RING	(*)	1
6	7-379-39	BACK-UP RING	(*)	1
7	7-379-26	WEAR RING	(*)	1
8	7-379-45	LOADED U-CUP	(*)	1
9	7-379-28	ROD WIPER	(*)	1
10	7-379-29	LOCKNUT		1
11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



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

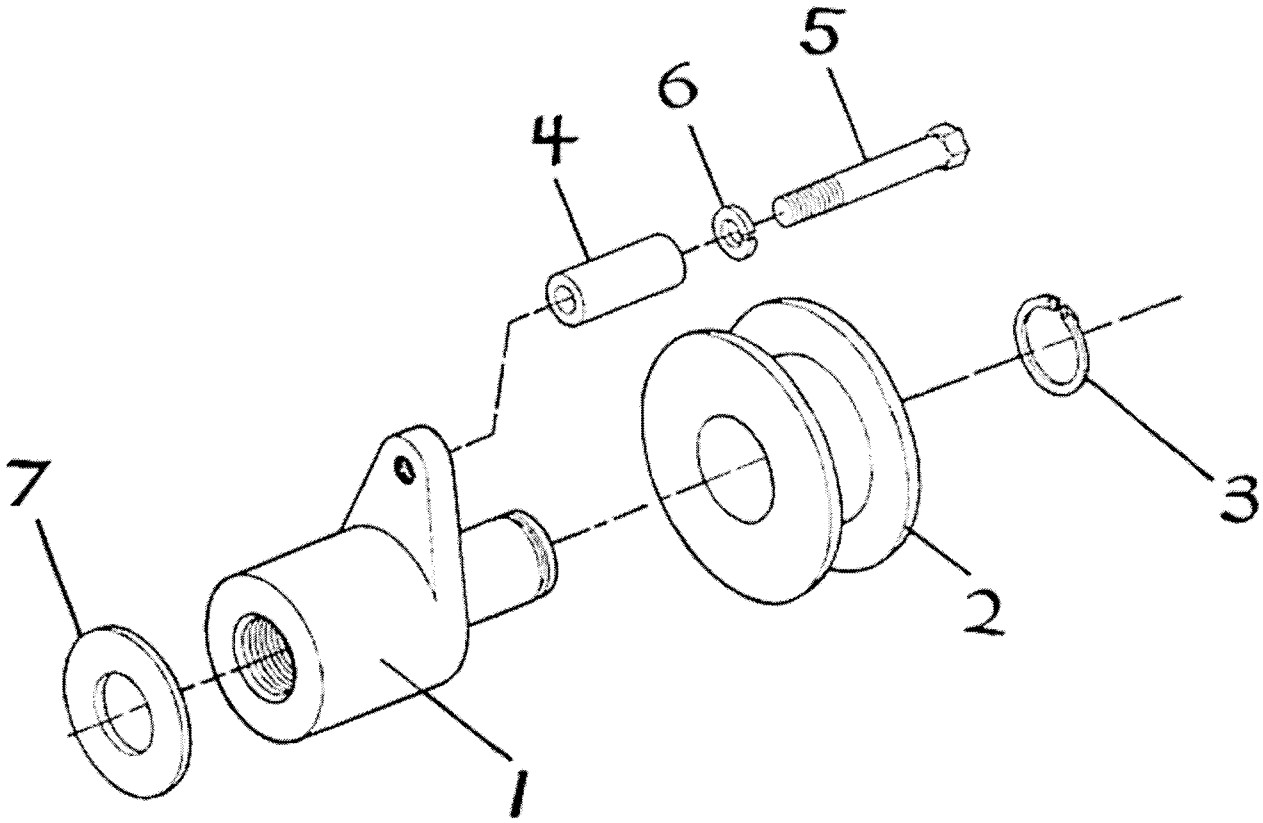
CIRCUIT / FORK ROTATE
TH1048C

DRAWING NUMBER P1-1560



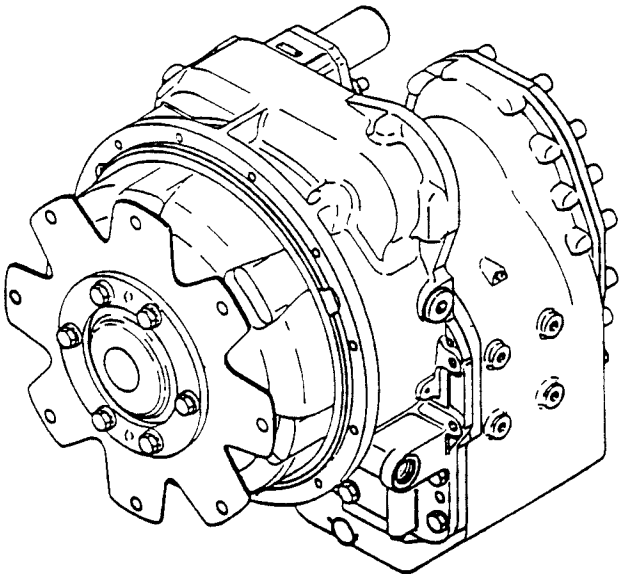
ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-08	FITTING / 06 OR x 06 JIC STR. (R)	1
2	6-7023-40	HOSE / 06 x 06-90 x 20 LG.	1
3	6-6453-07	FITTING / 08 OR x 06 JIC 90	1
4	7-234-84	BODY / NEEDLE VALVE	REF
5	7-234-17	CARTRIDGE / NEEDLE VALVE	REF
6	6-5205-30	CAPSCREW 5/16 NC x 3 3/4 LG.	1
7	6-6450-09	FITTING / 08 OR x 06 JIC STR.	1
8	6-6450-08	FITTING / 06 OR x 06 JIC STR. (T2)	1
9	6-7023-40	HOSE / 06 x 06-90 x 20 LG.	2
10	6-6452-03	FITTING / 06 OR x 06 JIC 45	2
11	7-244-31	4-WAY ELECTRIC VALVE	1
12	7-164-04	SWITCH / AUXILIARY	1
13	7-244-27	DIN CONNECTOR	2
14	6-5204-12	CAPSCREW 1/4 NC x 1 1/2 LG.	2
15	6-6211-04	LOCKWASHER 1/4	2
16	6-6201-04	HEX NUT 1/4 NC	2
17	6-6450-08	FITTING / 06 OR x 06 JIC STR.	2
18	6-7043-184	HOSE / 08 x 06-90 x 92 LG.	2
19	6-9615-424	HOSE ARMOR 1.00 ID x 53 LG.	1
20	6-6490-03	FITTING / 08 JIC x 08 TUBE STR.	2
21	3-1064-3	FORMED TUBE 1/2 OD	1
22	3-1064-4	FORMED TUBE 1/2 OD	1
23	7-273-21	CLAMP HALF SET / 1/2 TWIN TUBE	4
24	7-273-23	TOP PLATE / 1/2 TWIN TUBE CLAMP	4
25	6-5205-10	CAPSCREW 5/16 NC x 1 1/4 LG.	4
26	6-6490-03	FITTING / 08 JIC x 08 TUBE STR.	2
27	6-7013-26	HOSE / 06 x 08 x 13 LG.	2
28	6-6450-08	FITTING / 06 OR x 06 JIC STR.	2
29	7-292-01	HOSE REEL ASSEMBLY	1
30	1-2020	MOUNT / HOSE REEL	REF
31	1-2020	MOUNT / HOSE REEL	REF
32	6-5208-36	CAPSCREW 1/2 NC x 4 1/2 LG.	2
33	6-6211-08	LOCKWASHER 1/2	2
34	6-6201-08	HEX NUT 1/2 NC	2
35	6-6450-05	FITTING / 06 OR x 04 JIC STR.	2
36	6-7002-648	HOSE / 04 x 04 x 324 LG.	2
37	6-9618-40	SHRINK TUBING 1.00 ID x 5 LG.	12
38	6-6477-03	FITTING / 04 JIC BH-UNION 90	2
39	2-1138	BULKHEAD MOUNTING PLATE	1
40	6-5206-20	CAPSCREW 3/8 NC x 2 1/2 LG.	2
41	6-6211-06	LOCKWASHER 3/8	REF
42	6-7022-144	HOSE / 04 x 04-90 x 72 LG.	1
43	6-7022-152	HOSE / 04 x 04-90 x 76 LG.	1
44	7-273-37	CLAMP HALF SET / 1/4 TWIN HOSE	1
45	7-273-23	TOP PLATE / 1/4 TWIN HOSE CLAMP	1
46	6-5205-14	CAPSCREW 5/16 NC x 1 3/4 LG.	1
47	6-9615-272	HOSE ARMOR 1.00 ID x 34 LG.	1
48	6-6450-05	FITTING / 06 OR x 04 JIC STR.	1
49	6-6453-04	FITTING / 06 OR x 04 JIC 90	1
50	7-234-35	DUAL CHECK VALVE	1

ITEM	NUMBER	DESCRIPTION	REQD
51	6-5605-20	CAPSCREW SH 5/16 NC x 2 1/2 LG.	2
52	6-6214-05	LOCKWASHER 5/16 HI-COLLAR	2
53	6-6493-02	FITTING / 06 OR x 06 TUBE 90	1
54	1-1065	FORMED TUBING 3/8 x 6 7/8 LG.	1
55	6-6493-02	FITTING / 06 OR x 06 TUBE 90	1
56	7-379-01	CYLINDER / ROTATE	REF
57	7-234-103	NEEDLE VALVE ASSY (INCL. ITEMS 4 & 5)	1



ITEM	NUMBER	DESCRIPTION	REQD
1	3-1109	PIN / HOSE ROLLER	1
2	2-1065P	SHEAVE	1
3	7-239-04	RETAINING RING	1
4	6-1900-01	SPACER	1
5	6-5208-24	CAPSCREW 1/2 NC x 3 LG.	1
6	6-6211-08	LOCKWASHER 1/2	1
7	1-1133	WASHER	1

TRANSMISSION PARTS BOOK TH1048C & TH1056C



DATE: 10-20-01

CLARK T20000 SERIES

ELECTRIC SHIFT

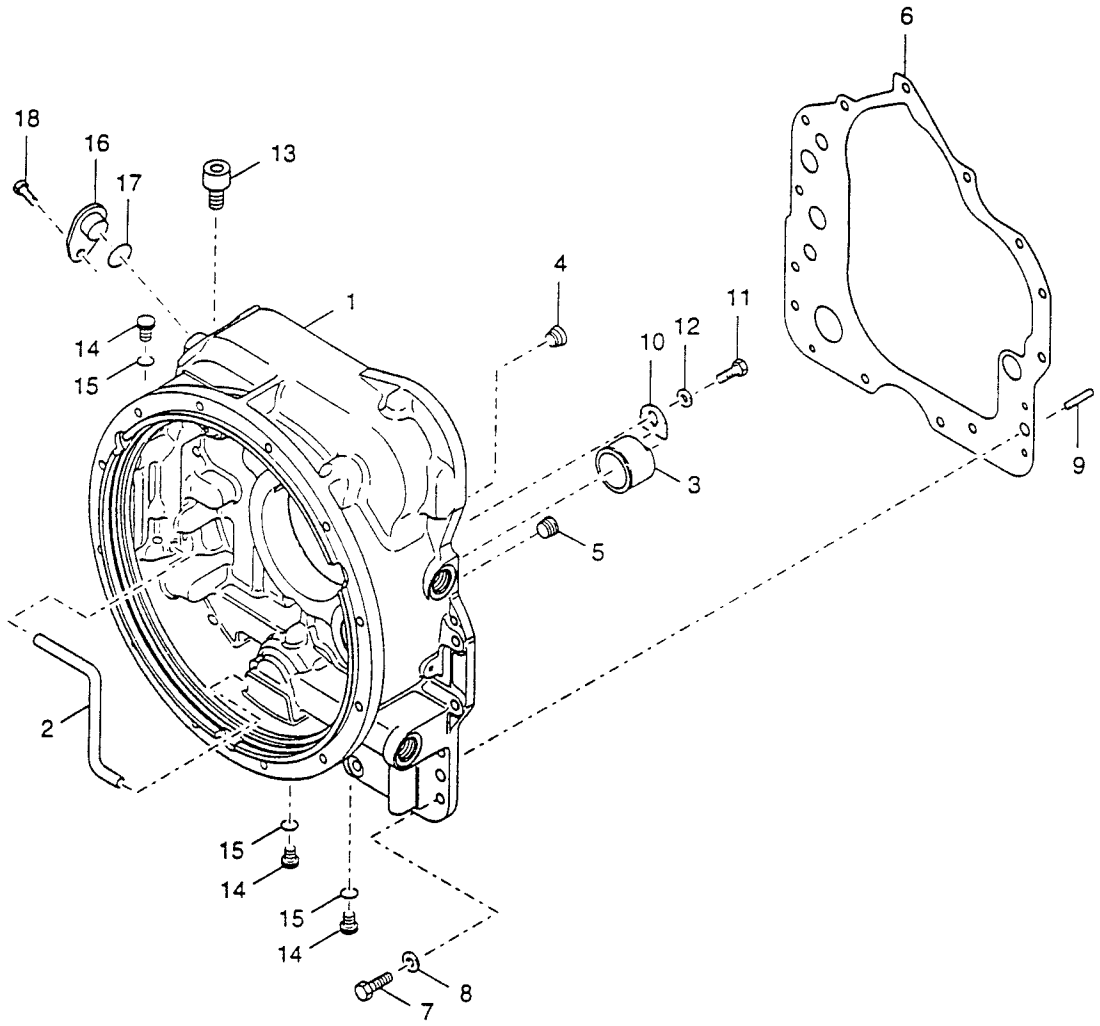
INTERMEDIATE DROP

w/o DISC BRAKE

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

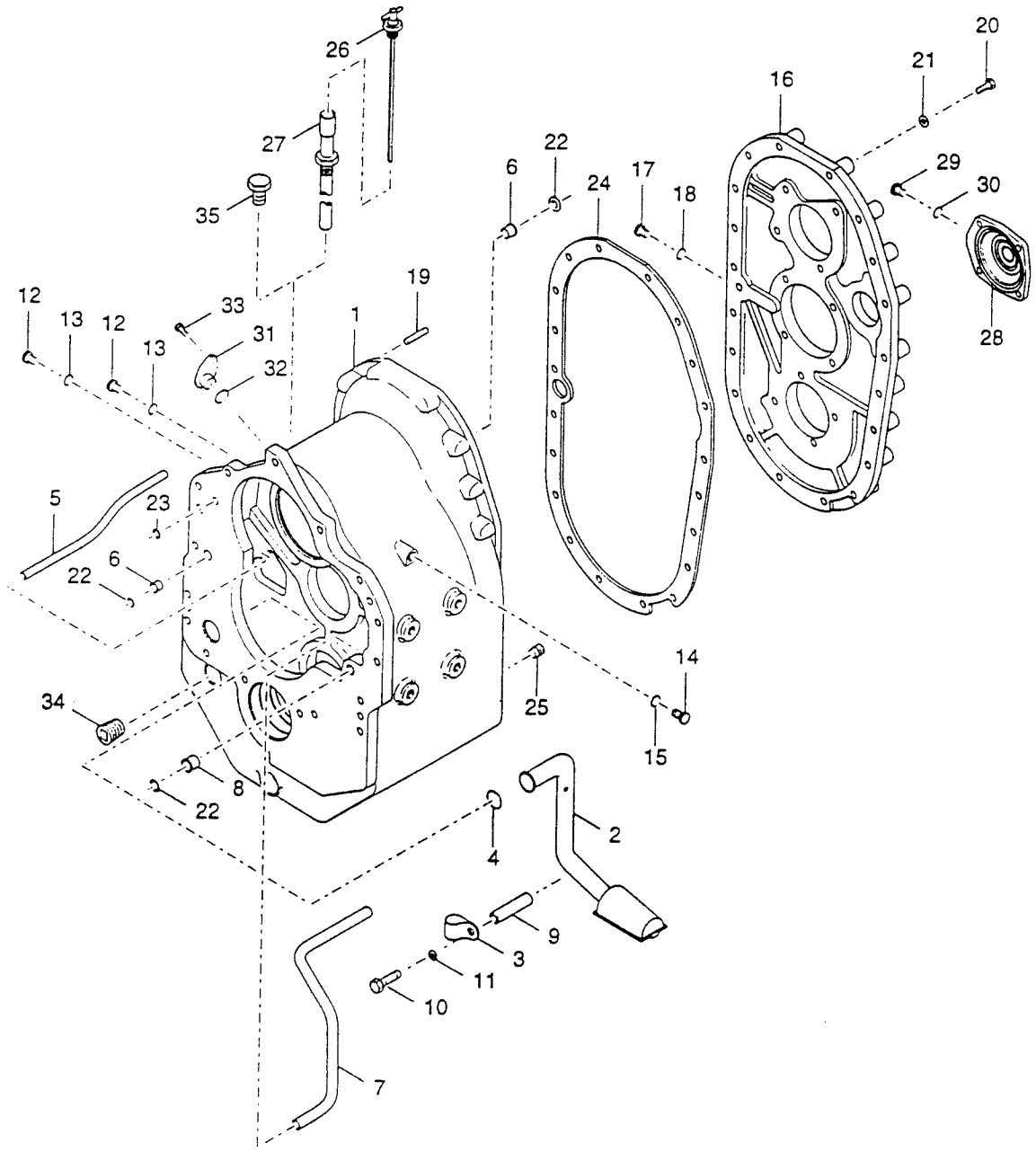
INDEX

PAGE	DESCRIPTION	DRAWING
1	CONVERTER HOUSING GROUP	P1-1373
2	TRANSMISSION CASE & COVER GROUP	P1-1374
3	TURBINE SHAFT GROUP	P1-1523
4	DRIVE PLATE GROUP	P1-1376
5	TORQUE CONVERTER GROUP	P1-1377
6	GEAR GROUP	P1-1378
7	AUXILIARY PUMP DRIVE GROUP	P1-1524
8	PUMP DRIVE GROUP	P1-1380
9	FORWARD SHAFT GROUP	P1-1525
10	REVERSE & 2nd SHAFT GROUP	P1-1526
11	REVERSE IDLER GROUP	P1-1383
12	LOW SPEED SHAFT GROUP	P1-1384
13	3rd SHAFT CLUTCH GROUP	P1-1385
14	OUTPUT SHAFT GROUP	P1-1386
15	CHARGING PUMP & FILTER GROUP	P1-1527
16	ELECTRONIC CONTROL VALVE ASSEMBLY	P1-1329
17	ELECTRIC CONTROL VALVE MOUNTING GROUP	P1-1528
18	MODULAR VALVE ASSEMBLY	P1-1529



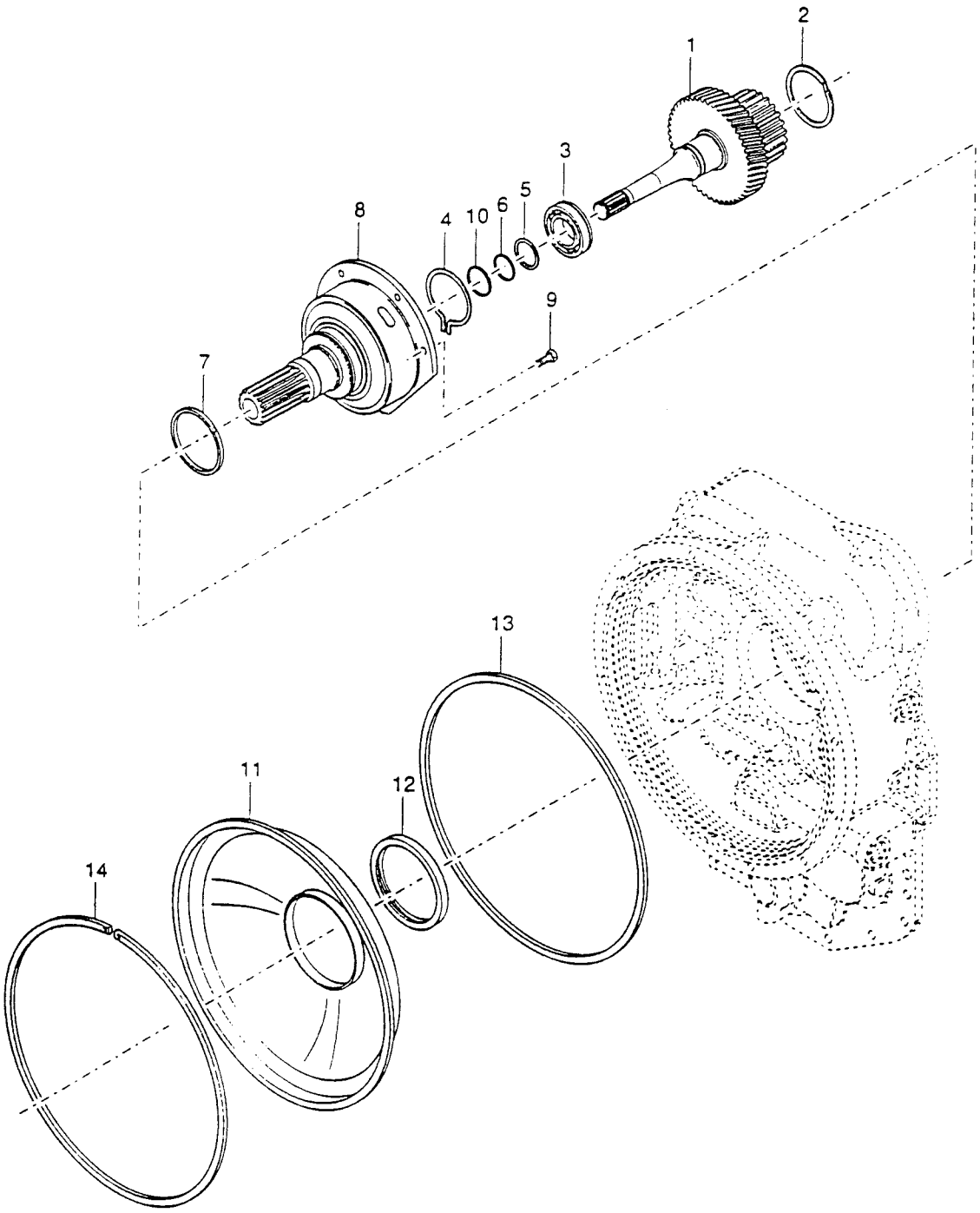
1	PAGE NUMBER	CONVERTER HOUSING GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1373

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-608	CONVERTER HOUSING ASSY (INCL. ITEM 2)	1
2	7-126-609	TUBE	1
3	7-126-610	SLEEVE	1
4	7-126-07	PIPE PLUG	1
5	7-126-08	PIPE PLUG	1
6	7-126-611	GASKET	1
7	7-126-533	SCREW	16
8	7-126-10	LOCKWASHER	16
9	7-126-612	PIN	1
10	7-126-613	CLIP	1
11	7-126-15	SCREW	1
12	7-126-14	LOCKWASHER	1
13	7-126-05	BREATHER	1
14	7-126-528	PLUG (INCLUDES ITEM 15)	3
15	7-126-614	O-RING	3
16	7-126-404	PLUG	1
17	7-126-356	O-RING	1
18	7-126-405	SCREW	1



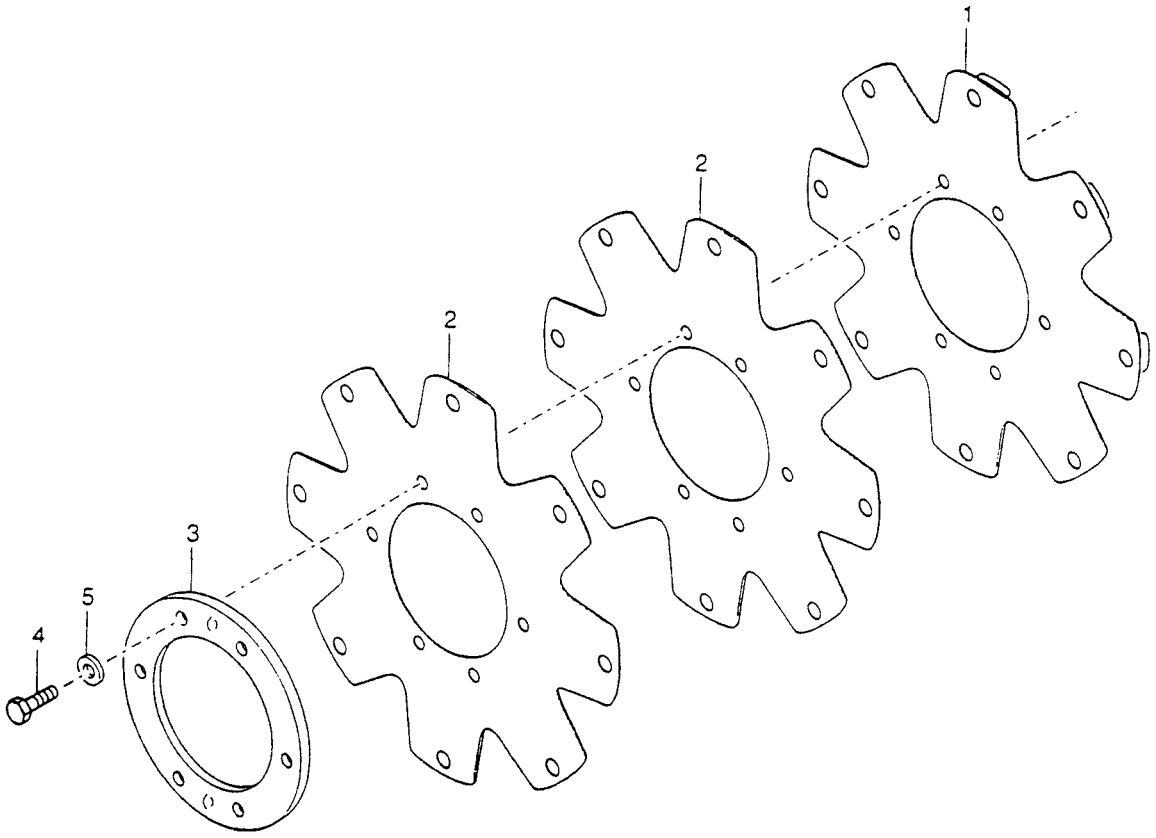
2 PAGE NUMBER	TRANSMISSION CASE & COVER GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER P1-1374

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-615	TRANSMISSION CASE ASSY (INCL. ITEMS 2-11)	1
2	7-126-616	SUCTION TUBE ASSY (INCLUDES ITEM 3)	1
3	7-126-617	CLIP	1
4	7-126-618	O-RING	1
5	7-126-23	TUBE	1
6	7-126-21	SLEEVE	2
7	7-126-619	TUBE	1
8	7-126-41	SLEEVE	1
9	7-126-620	SPACER	1
10	7-126-621	SCREW	1
11	7-126-10	LOCKWASHER	1
12	7-126-528	PLUG (INCLUDES ITEM 13)	2
13	7-126-614	O-RING	2
14	7-126-593	PLUG (INCLUDES ITEM 15)	1
15	7-126-594	O-RING	1
16	7-126-622	REAR COVER & PLUG ASSY. (INCL. ITEM 17)	1
17	7-126-528	PLUG (INCLUDES ITEM 18)	1
18	7-126-614	O-RING	1
19	7-126-623	PIN	2
20	7-126-624	SCREW	20
21	7-126-10	LOCKWASHER	20
22	7-126-20	O-RING	3
23	7-126-22	O-RING	2
24	7-126-625	GASKET	1
25	7-126-33	MAGNETIC PLUG	2
26	7-126-271	DIPSTICK	1
27	7-126-270	DIPSTICK TUBE ASSEMBLY	1
28	7-126-626	BEARING CAP ASSEMBLY (INCL. ITEM 29)	1
29	7-126-528	PLUG (INCLUDES ITEM 30)	1
30	7-126-614	O-RING	1
31	7-126-404	PLUG	1
32	7-126-356	O-RING	1
33	7-126-405	SCREW	1
34	7-126-627	PLUG	1
35		NOT USED ON THIS MODEL	

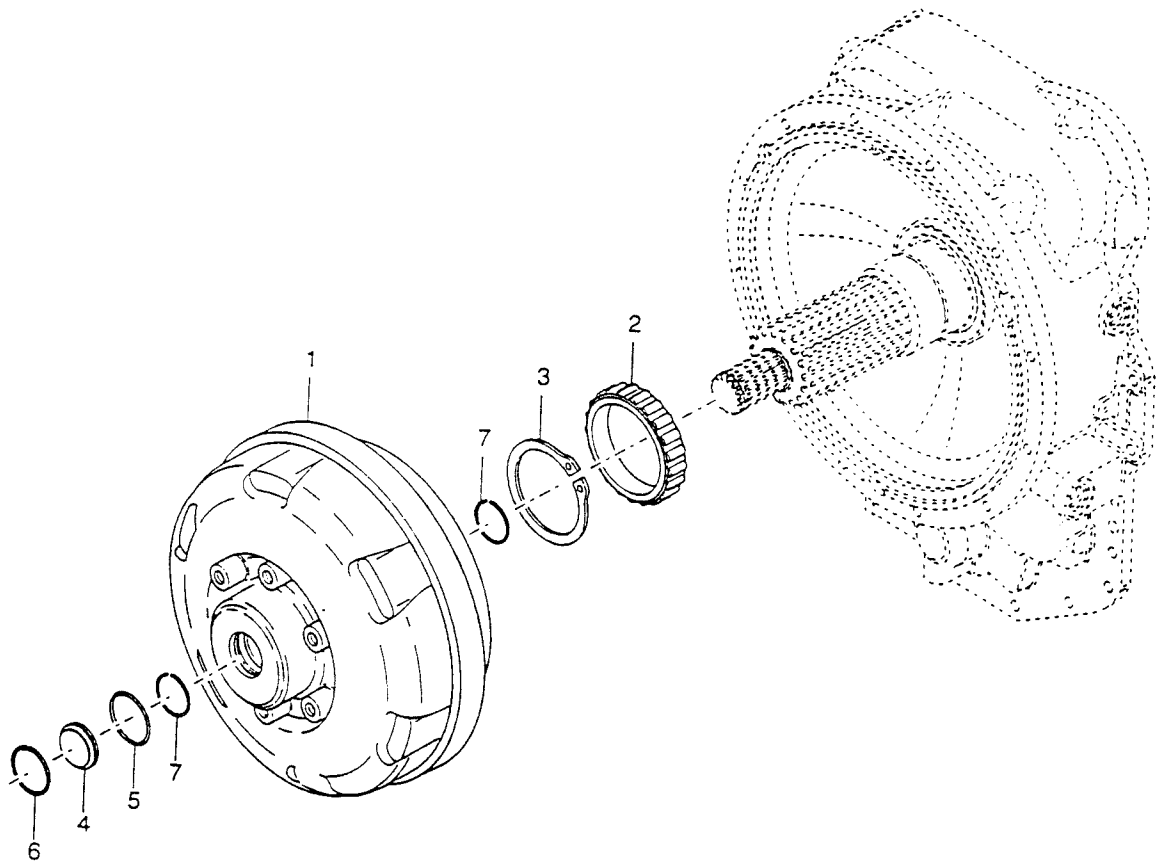


3	PAGE NUMBER	TURBINE SHAFT GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1523

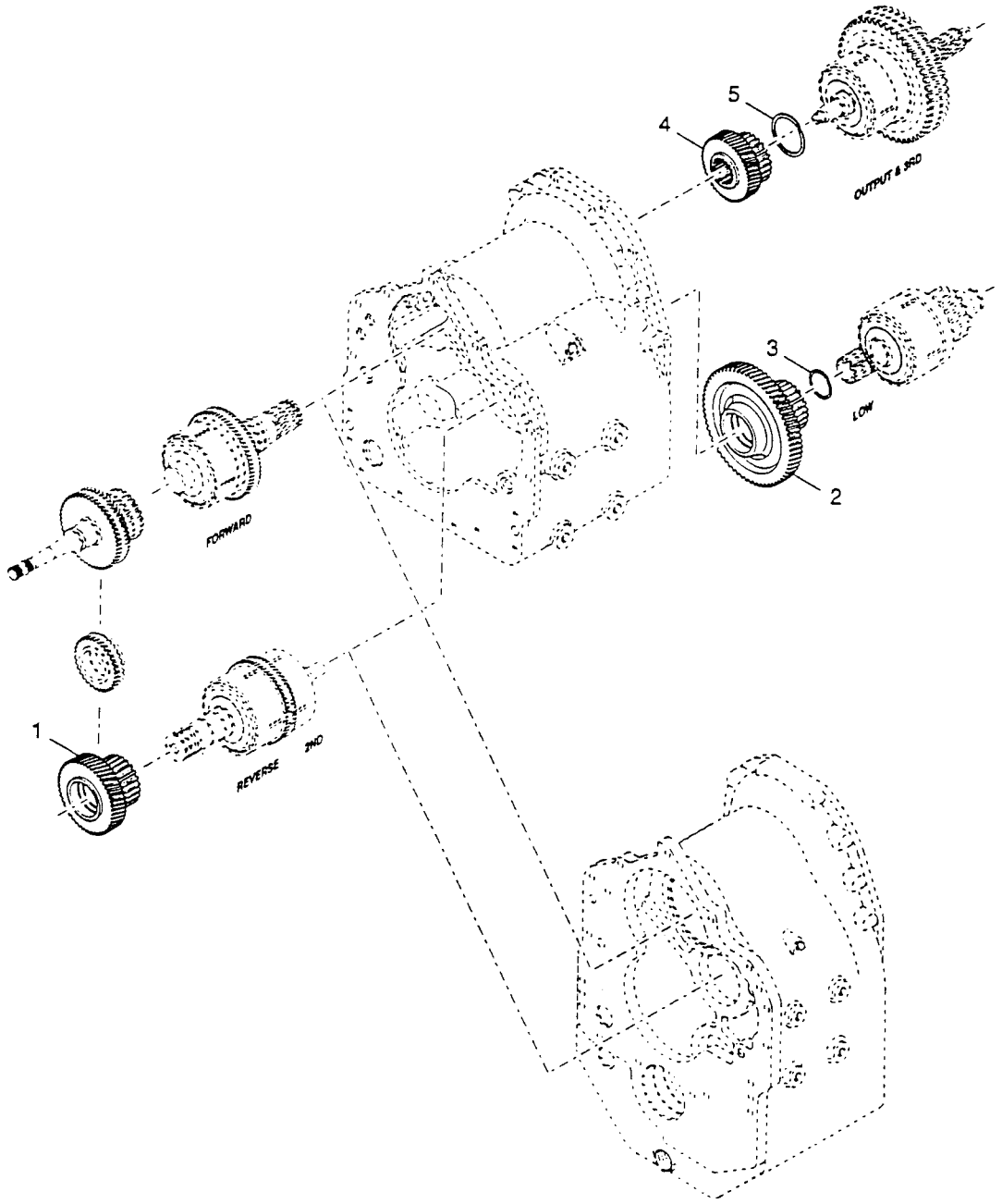
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-628	TURBINE ASSEMBLY (INCL. ITEM 2)	1
2	7-126-45	RETAINING RING	1
3	7-126-629	BEARING	1
4	7-126-51	SNAP RING	1
5	7-126-48	WASHER	1
6	7-126-49	RING	1
7	7-126-630	PISTON RING	1
8	7-126-631	SUPPORT	1
9	7-126-632	SCREW	6
10	7-126-633	PISTON RING	1
11	7-126-676	OIL BAFFLE & SEAL ASSY (INCL. ITEM 12)	1
12	7-126-539	SEAL	1
13	7-126-667	RING	1
14	7-126-668	RING	1



ITEM	NUMBER	DESCRIPTION	REQD
1	N.S.S.	DRIVE PLATE ASSEMBLY (INCL. IN ITEM 6)	1
2	N.S.S.	DRIVE PLATE (INCL. IN ITEM 6)	2
3	7-126-635	RING	1
4	7-126-636	SCREW	6
5	7-126-391	LOCKWASHER	6
6	7-126-637	DRIVE PLATE KIT (INCL. ITEMS 1-5)	1

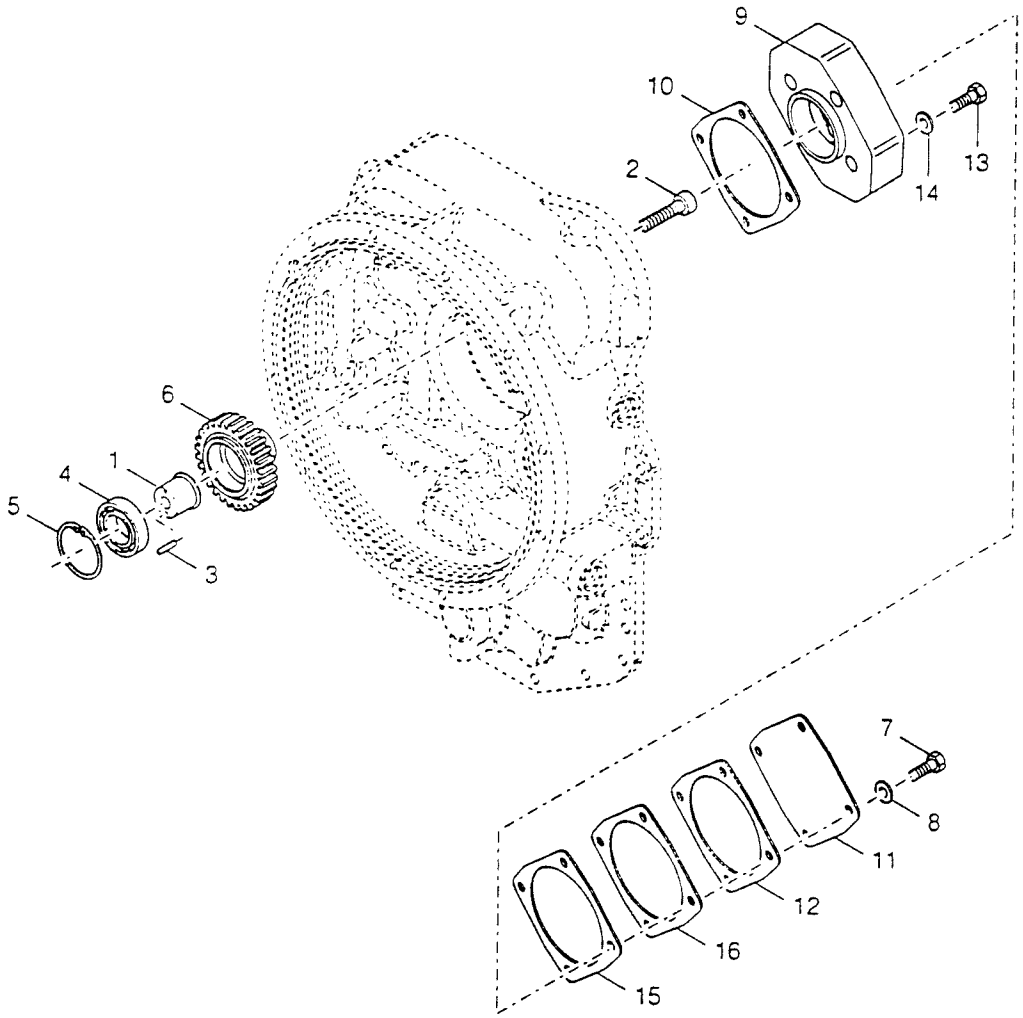


ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-638	TORQUE CONVERTER ASSEMBLY	1
2	7-126-540	BEARING	1
3	7-126-639	RING	1
4	7-126-234	PLUG	1
5	7-126-233	O-RING	1
6	7-126-277	RING	1
7	7-126-640	RING	2

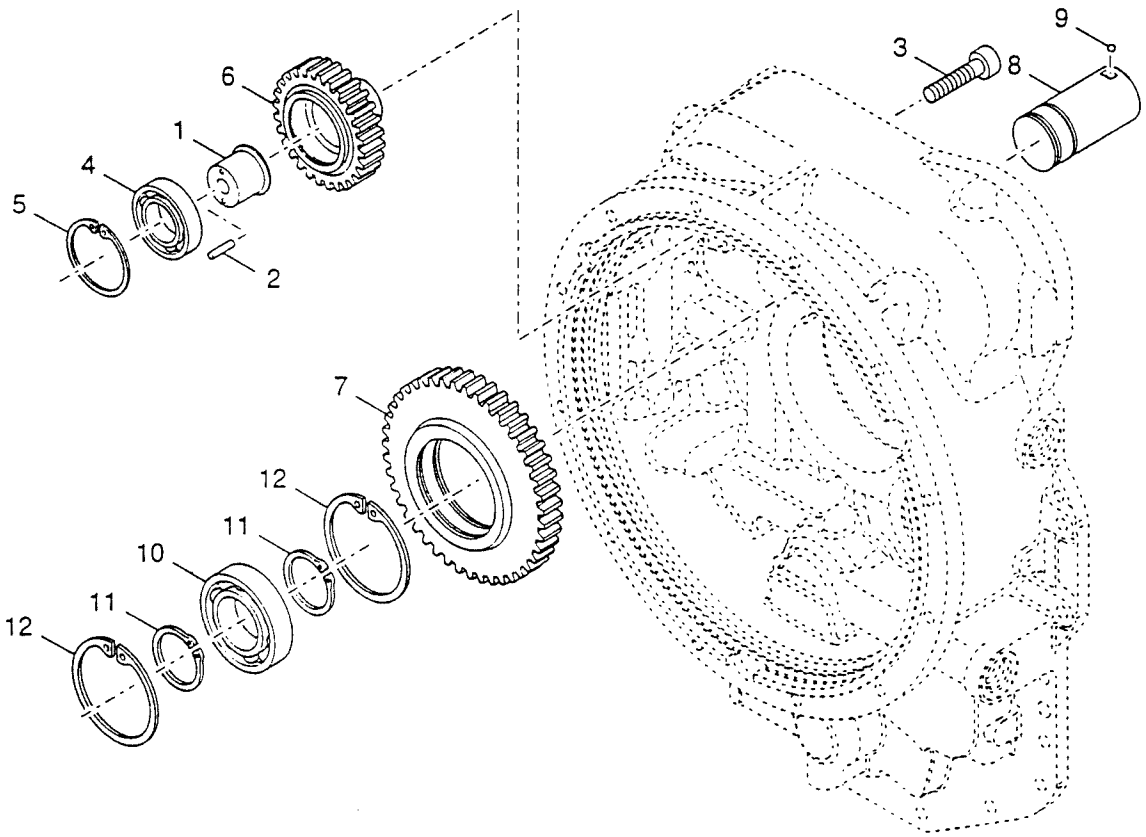


ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-641	REVERSE CLUTCH GEAR	1
2	7-126-578	LOW CLUTCH GEAR ASSY (INCL. ITEM 3)	1
3	7-126-45	RING	1
4	7-126-318	3rd CLUTCH GEAR ASSY (INCL. ITEM 5)	1
5	7-126-45	RING	1

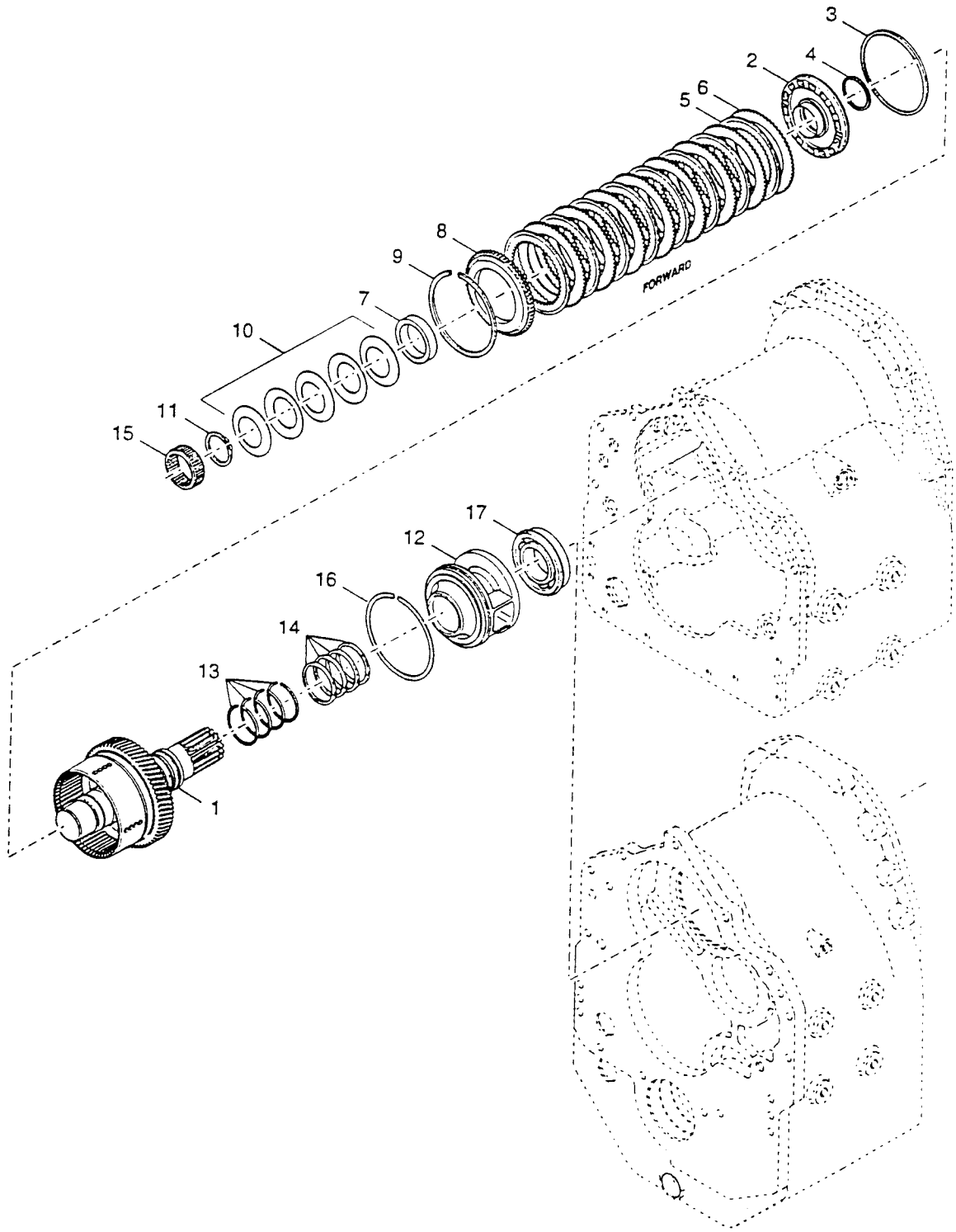
NOTES



ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-642	BEARING SUPPORT	1
2	7-126-643	SCREW	1
3	7-126-644	PIN	1
4	7-126-440	BEARING	1
5	7-126-280	RING	1
6	7-126-645	GEAR	1
7	7-126-519	SCREW	4
8	7-126-215	LOCKWASHER	4
9	7-126-646	ADAPTOR	1
10	7-126-647	GASKET	1
11	7-126-648	COVER	1
12	7-126-649	GASKET	1
13	7-126-555	SCREW	4
14	7-126-554	LOCKWASHER	4
15	7-126-650	GASKET	1
16	7-126-651	PLATE	1

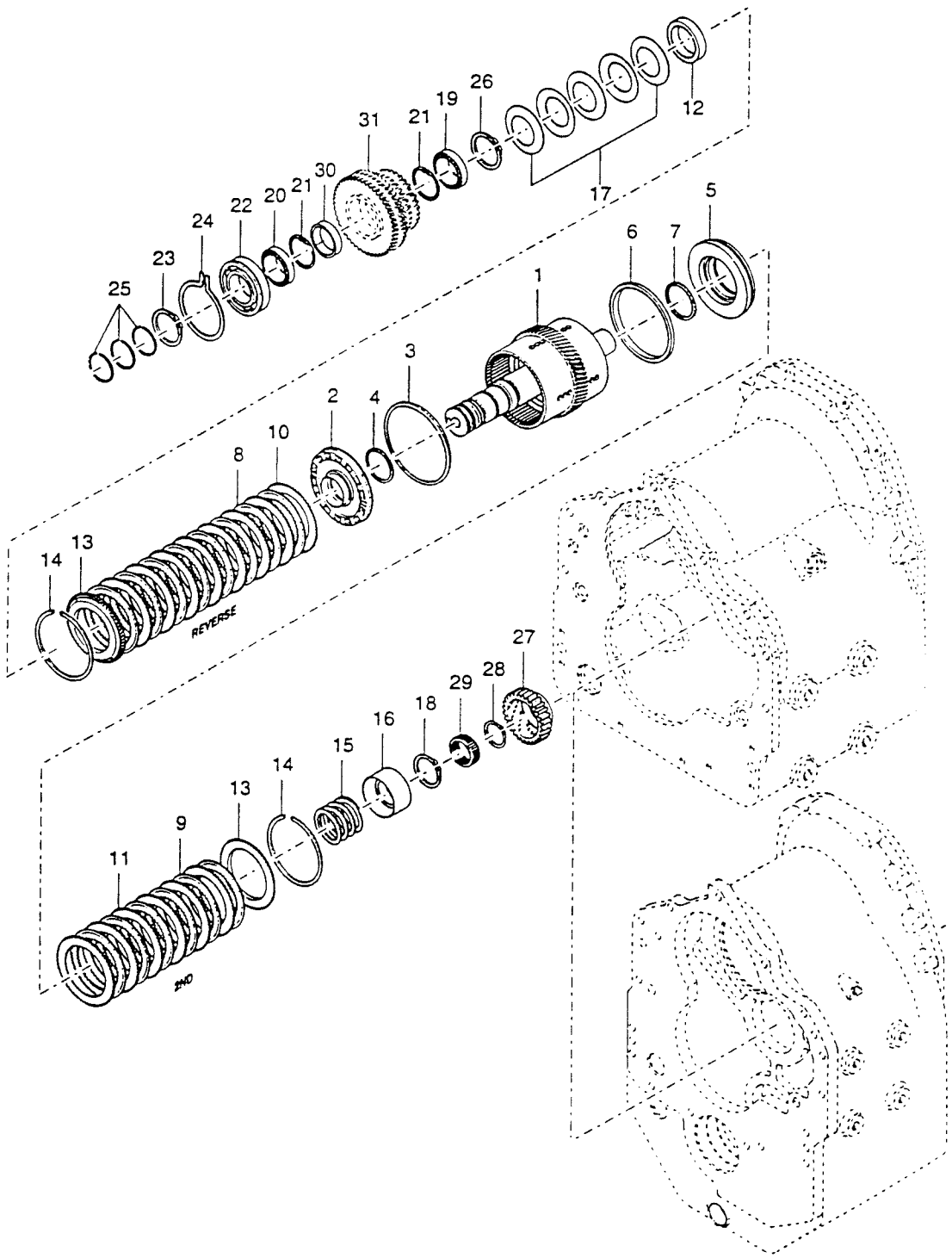


ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-642	BEARING SUPPORT	1
2	7-126-644	PIN	1
3	7-126-643	SCREW	1
4	7-126-440	BEARING	1
5	7-126-280	RING	1
6	7-126-652	DRIVE GEAR	1
7	7-126-653	IDLER GEAR	1
8	7-126-561	SHAFT	1
9	7-126-208	BALL	1
10	7-126-654	BEARING	1
11	7-126-203	LOCATING RING	2
12	7-126-163	RETAINING RING	2



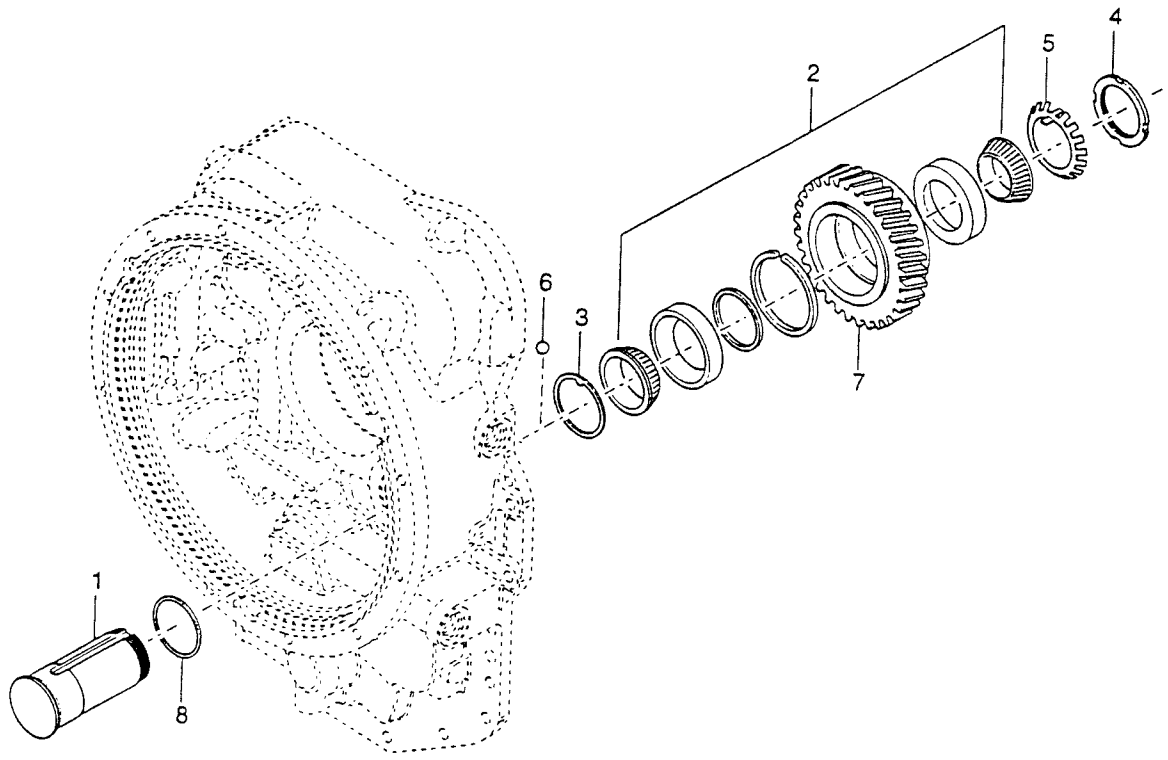
9	PAGE NUMBER	FORWARD SHAFT GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1525

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-571	FORWARD SHAFT, DRUM, & PLUG ASSY	1
2	7-126-679	CLUTCH PISTON & SEALS ASSY(INCL. 3 & 4)	1
3	7-126-145	SEAL	1
4	7-126-144	SEAL	1
5	7-126-148	INNER DISC	8
6	7-126-147	OUTER DISC	8
7	7-126-183	SPACER	1
8	7-126-149	PLATE	1
9	7-126-150	SNAP RING	1
10	7-126-566	DISC SPRING ASSY (INCL. 5 WASHERS)	1
11	7-126-181	SNAP RING	1
12	7-126-199	SLEEVE	1
13	7-126-55	SPRING	4
14	7-126-572	RING	4
15	7-126-195	BEARING	1
16	7-126-198	RING	1
17	7-126-200	BEARING	1



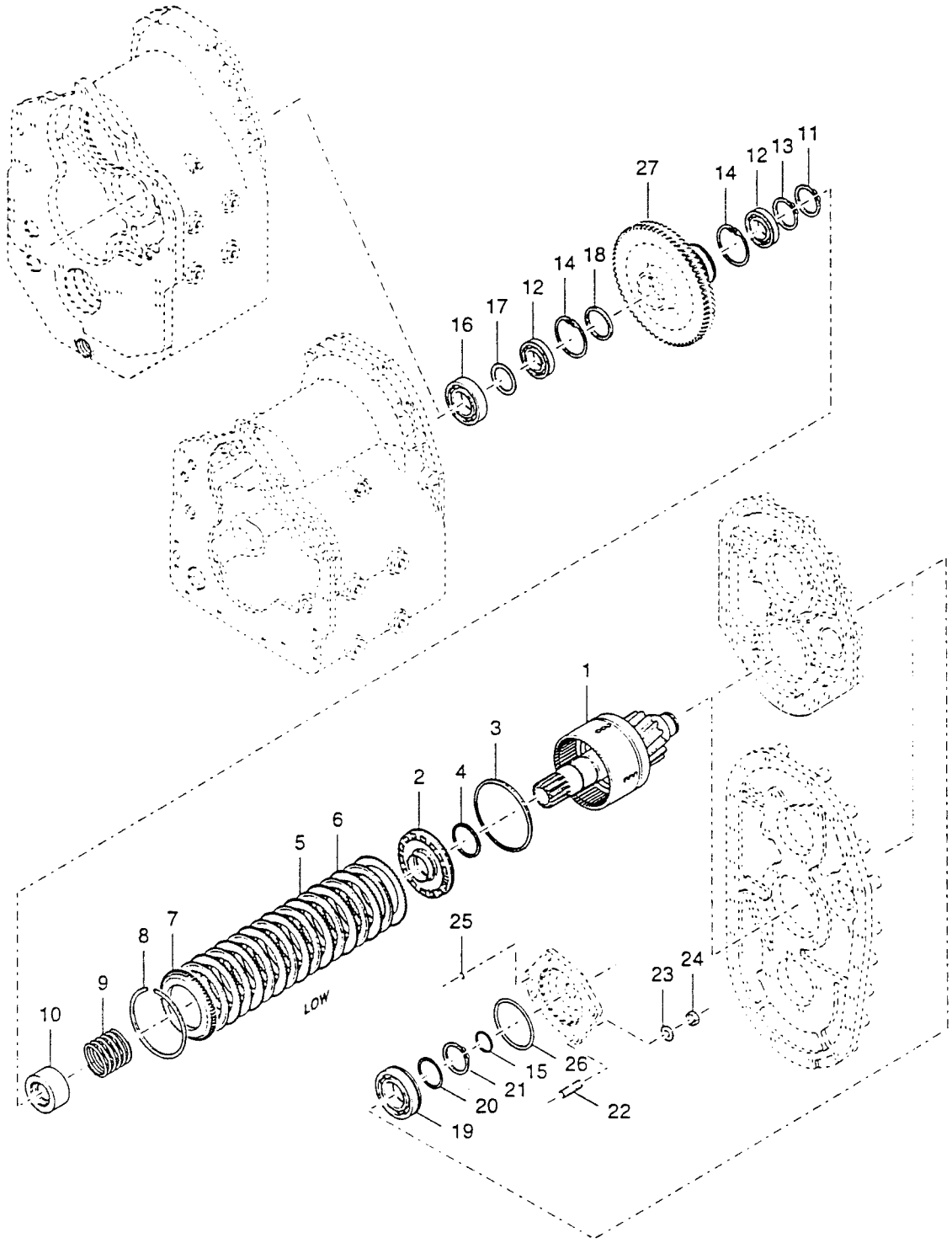
10	PAGE NUMBER	REVERSE & 2nd SHAFT GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1526

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-678	REV. & 2nd SHAFT, DRUM, & PLUG ASSY	1
2	7-126-679	CLUTCH PISTON & SEALS ASSY(INCL. 3 & 4)	1
3	7-126-145	SEAL	1
4	7-126-144	SEAL	1
5	7-126-568	CLUTCH PISTON & SEALS ASSY(INCL. 5 & 6)	1
6	7-126-145	SEAL	1
7	7-126-144	SEAL	1
8	7-126-148	INNER DISC	8
9	7-126-148	INNER DISC	6
10	7-126-147	OUTER DISC	8
11	7-126-147	OUTER DISC	6
12	7-126-183	SPACER	1
13	7-126-149	PLATE	2
14	7-126-150	SNAP RING	2
15	7-126-151	SPRING	1
16	7-126-152	RETAINER	1
17	7-126-566	DISC SPRING ASSY (INCL. 5 WASHERS)	1
18	7-126-153	SNAP RING	1
19	7-126-180	BEARING	1
20	7-126-177	BEARING	1
21	7-126-178	RING	2
22	7-126-176	BEARING	1
23	7-126-565	RETAINING RING	1
24	7-126-175	SNAP RING	1
25	7-126-564	RING	3
26	7-126-181	SNAP RING	1
27	7-126-569	HUB	1
28	7-126-165	RETAINING RING	1
29	7-126-154	BEARING	1
30	7-126-656	SPACER	1
31	7-126-641	REVERSE CLUTCH GEAR(SEE GEAR GROUP)	1



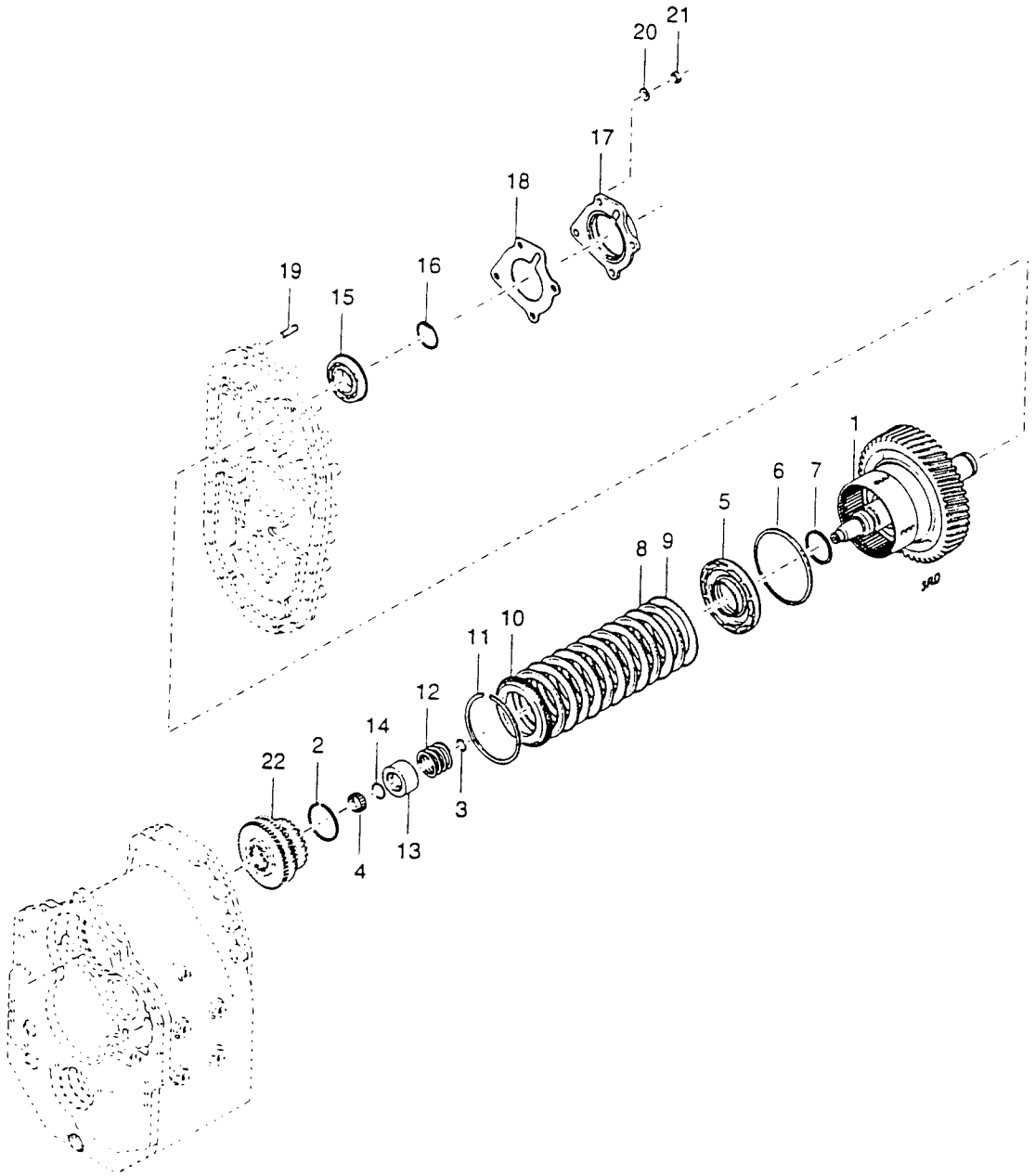
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-657	REVERSE IDLER SHAFT	1
2	7-126-574	BEARING ASSEMBLY	1
3	7-126-658	WASHER	1
4	7-126-659	NUT	1
5	7-126-660	WASHER	1
6	7-126-286	LOCKBALL	1
7	7-126-661	GEAR	1
8	7-126-573	O-RING	1

NOTES



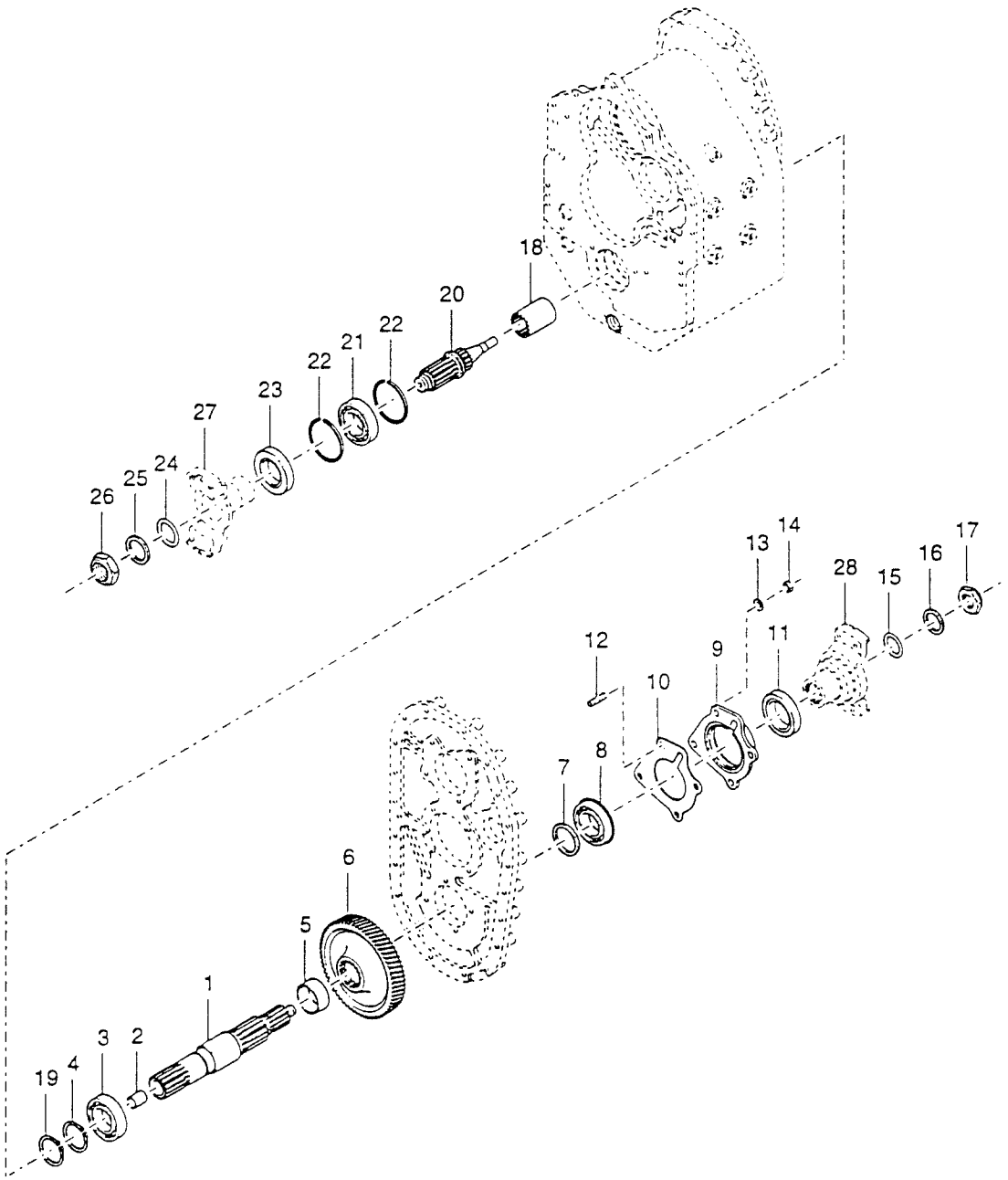
12	PAGE NUMBER	LOW SPEED SHAFT GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1384

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-576	SHAFT, HUB, DRUM, & BLEED VALVE ASSY	1
2	7-126-575	PISTON & SEALS ASSY (INCL. ITEMS 3 & 4)	1
3	7-126-145	SEAL	1
4	7-126-144	SEAL	1
5	7-126-166	INNER DISC	8
6	7-126-147	OUTER DISC	8
7	7-126-149	PLATE	1
8	7-126-150	RETAINING RING	1
9	7-126-151	SPRING	1
10	7-126-152	RETAINER	1
11	7-126-153	SNAP RING	1
12	7-126-156	BEARING	2
13	7-126-165	RING	1
14	7-126-163	RING	2
15	7-126-170	RING	1
16	7-126-161	BEARING	1
17	7-126-162	SPACER	1
18	7-126-164	SPACER	1
19	7-126-169	BEARING	1
20	7-126-48	WASHER	1
21	7-126-165	RING	1
22	7-126-577	STUD	4
23	7-126-10	LOCKWASHER	4
24	7-126-111	NUT	4
25	7-126-173	O-RING	1
26	7-126-171	O-RING	1
27	7-126-578	LOW CLUTCH GEAR (SEE GEAR GROUP)	1



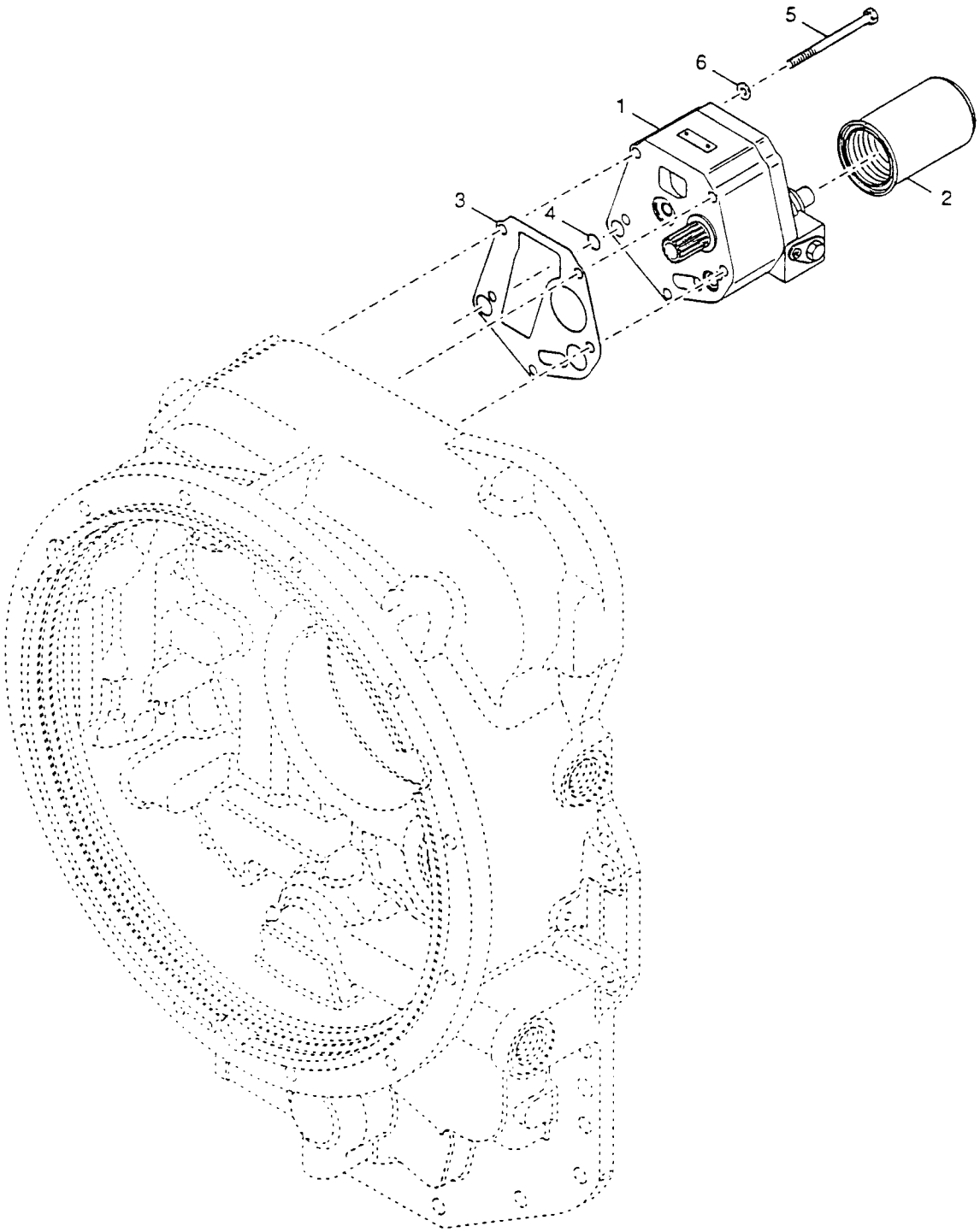
13	PAGE NUMBER	3rd SHAFT GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1385

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-579	3rd CLUTCH SHAFT & DRUM ASSY	1
2	7-126-201	RING	1
3	7-126-170	RING	1
4	7-126-296	BEARING	1
5	7-126-568	PISTON & SEALS ASSY(INCL. ITEMS 6 & 7)	1
6	7-126-145	SEAL	1
7	7-126-144	SEAL	1
8	7-126-148	INNER DISC	6
9	7-126-147	OUTER DISC	6
10	7-126-149	BACKING PLATE	1
11	7-126-150	RETAINING RING	1
12	7-126-151	SPRING	1
13	7-126-152	RETAINER	1
14	7-126-153	SNAP RING	1
15	7-126-113	BEARING	1
16	7-126-565	RING	1
17	7-126-293	CAP	1
18	7-126-292	GASKET	1
19	7-126-291	STUD	4
20	7-126-54	LOCKWASHER	4
21	7-126-294	NUT	4
22	7-126-318	3rd CLUTCH GEAR (SEE GEAR GROUP)	1



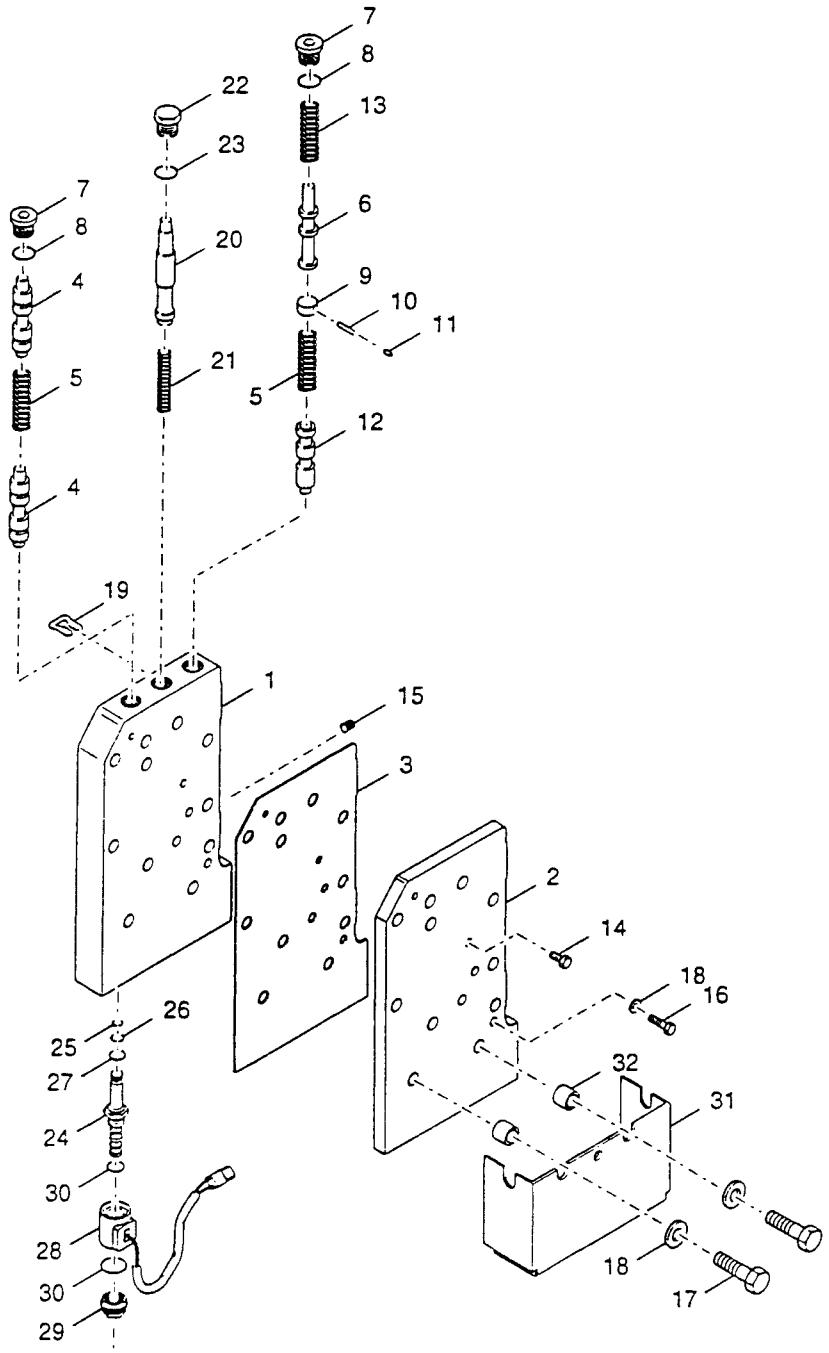
14	PAGE NUMBER	OUTPUT SHAFT GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1386

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-662	SHAFT & BUSHING ASSY (INCL. ITEM 2)	1
2	7-126-311	BUSHING	1
3	7-126-161	BEARING	1
4	7-126-49	RING	1
5	7-126-125	SPACER	1
6	7-126-582	GEAR	1
7	7-126-123	SPACER	1
8	7-126-113	BEARING	1
9	7-126-663	CAP	1
10	7-126-664	GASKET	1
11	7-126-114	SEAL	1
12	7-126-115	STUD	4
13	7-126-116	LOCKWASHER	4
14	7-126-117	NUT	4
15	7-126-118	O-RING	1
16	7-126-314	WASHER	1
17	7-126-315	NUT	1
18	7-126-310	COUPLING	1
19	7-126-49	SNAP RING	1
20	7-126-309	SHAFT	1
21	7-126-307	BEARING	1
22	7-126-306	RING	2
23	7-126-305	OIL SEAL	1
24	7-126-304	O-RING	1
25	7-126-303	WASHER	1
26	7-126-302	NUT	1
27	7-126-319	FRONT OUTPUT FLANGE	1
28	7-126-254	REAR OUTPUT FLANGE	1

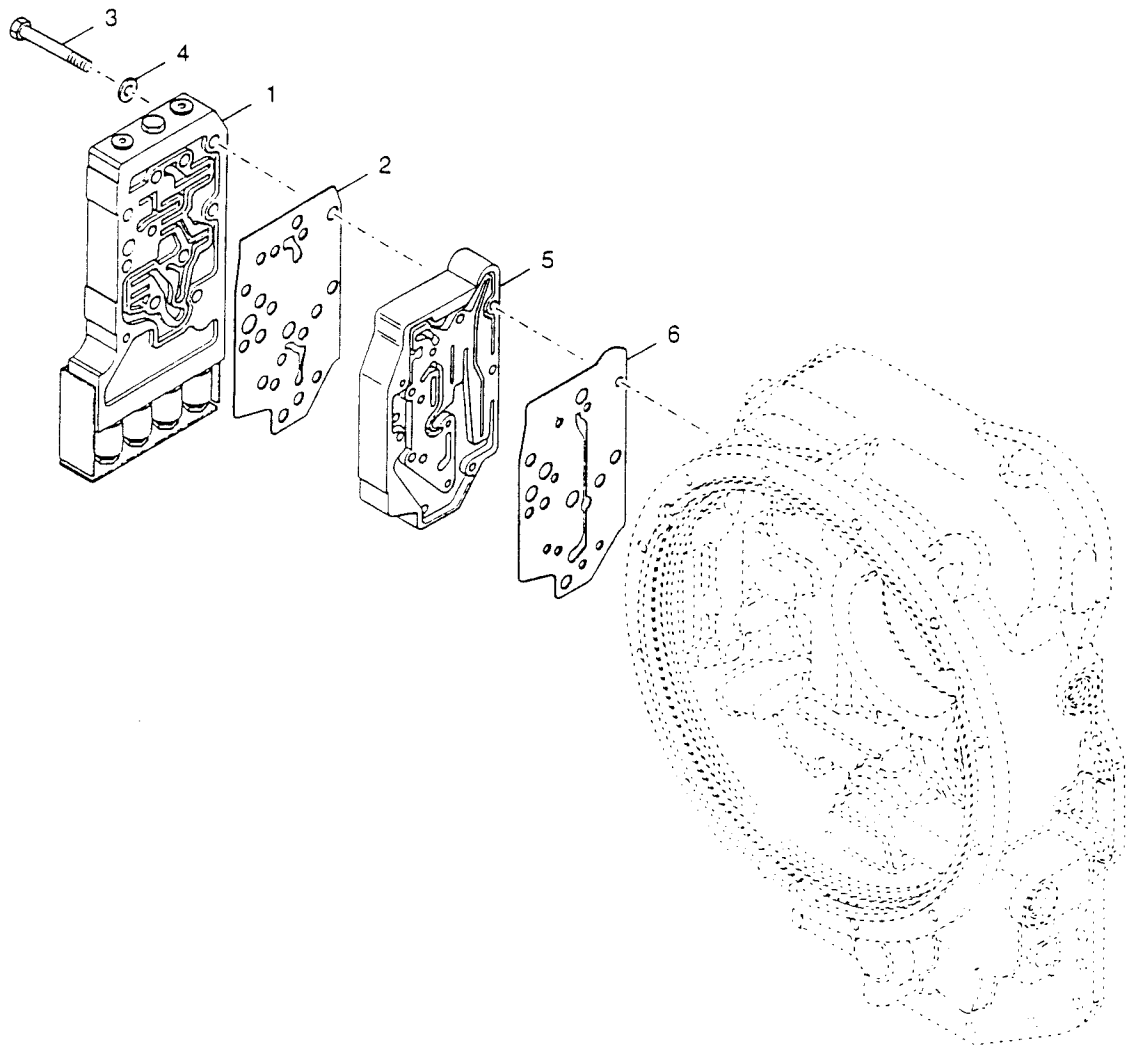


15	PAGE NUMBER	CHARGING PUMP & FILTER GROUP T20000 ELECTRIC SHIFT TRANSMISSION	DRAWING NUMBER	P1-1527

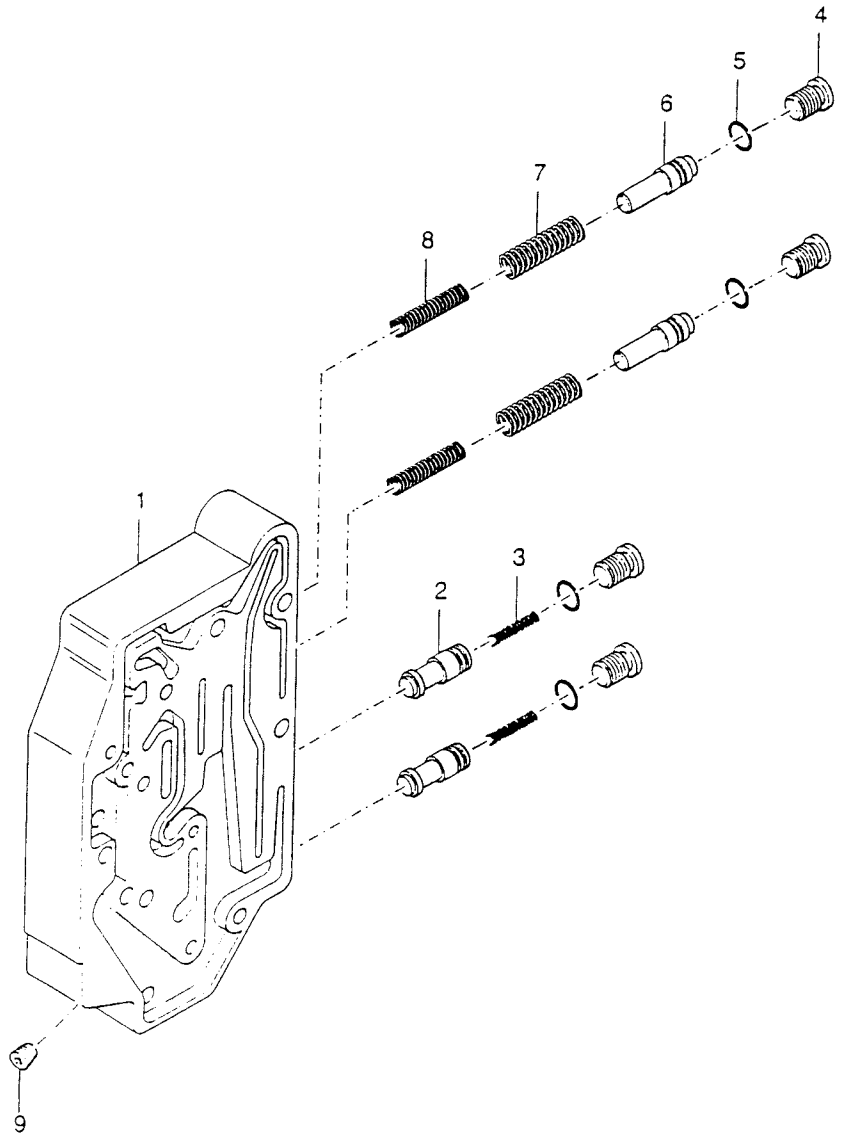
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-680	CHARGING PUMP	1
2	7-126-112	FILTER	1
3	7-126-107	GASKET	1
4	7-126-22	O-RING	1
5	7-126-110	SCREW	3
5A	7-126-109	SCREW	2
6	7-126-10	LOCKWASHER	5


7
8
13
22
23
6
20
9
10
11
7
8
4
5
21
5
12
4
19
1
15
3
2
14
18
16
26
25
27
24
30
28
30
29
32
31
18
17

ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-587	HOUSING / CONTROL VALVE	1
2	7-126-588	COVER	1
3	7-126-589	GASKET	1
4	7-126-590	SPOOL / FWD. & REV. SHIFT	2
5	7-126-591	SPRING	2
6	7-126-592	SPOOL	1
7	7-126-593	PLUG (INCLUDES ITEM 8)	2
8	7-126-594	O-RING (INCLUDED IN ITEM 7)	2
9	7-126-595	STOP	1
10	7-126-596	PIN	1
11	7-126-597	PLUG STOP	1
12	7-126-598	SPOOL	1
13	7-126-599	SPRING	1
14	7-126-92	PIPE PLUG	8
15	7-126-08	PLUG	1
16	7-126-600	SCREW	1
17	7-126-601	SCREW	2
18	7-126-54	LOCKWASHER	3
19	7-126-94	STOP	1
20	7-126-98	SPOOL	1
21	7-126-99	SPRING	1
22	7-126-602	PLUG (INCLUDES ITEM 23)	1
23	7-126-603	O-RING (INCLUDED IN ITEM 22)	1
24	7-126-604	CARTRIDGE (INCLUDES ITEMS 25-27)	4
25	7-126-376	O-RING (INCLUDED IN ITEM 24)	4
26	7-126-377	O-RING (INCLUDED IN ITEM 24)	4
27	7-126-379	O-RING (INCLUDED IN ITEM 24)	4
28	7-126-375	COIL (12V)	4
29	7-126-373	NUT	4
30	7-126-374	O-RING	8
31	7-126-605	COVER	1
32	7-126-606	SPACER	2
33	7-126-583	ELECTRIC CONTROL VALVE ASSY (ITEMS 1-32)	1



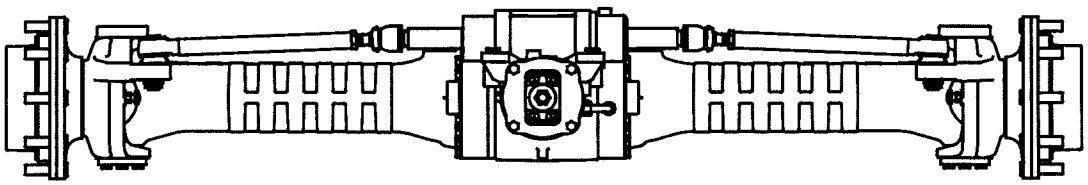
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-583	ELECTRIC CONTROL VALVE ASSY.	1
2	7-126-584	GASKET	1
3	7-126-585	SCREW	9
4	7-126-54	LOCKWASHER	9
5	7-126-681	MODULAR VALVE ASSEMBLY	1
6	7-126-586	GASKET	1



ITEM	NUMBER	DESCRIPTION	REQD
1	N.S.S.	MODULATOR HOUSING (PART OF ITEM 10)	1
2	N.S.S.	REGULATOR SPOOL (PART OF ITEM 10)	2
3	7-126-69	REGULATOR SPRING	2
4	7-126-68	PLUG (INCLUDES ITEM 5)	4
5	7-126-603	O-RING (PART OF ITEM 4)	4
6	N.S.S.	ACCUMULATOR SPOOL (PART OF ITEM 10)	2
7	7-126-682	ACCUMULATOR SPRING / OUTER	2
8	7-126-607	ACCUMULATOR SPRING / INNER	2
9	7-126-92	PIPE PLUG	1
10	7-126-681	MODULATOR VALVE ASSY. (ITEMS 1 THRU 9)	1

N.S.S. = NOT SOLD SEPARATELY

FRONT AXLE
PARTS BOOK
TH1048C & TH1056C



DATE: 10-20-01

SPICER CLARK-HURTH 213/53 AXLE

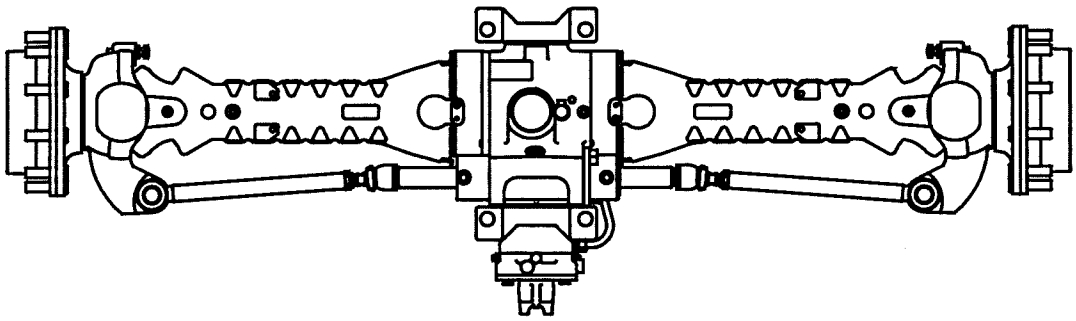
7-229-871 STEERING CYLINDER

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

AXLE PARTS ORDERING GUIDE

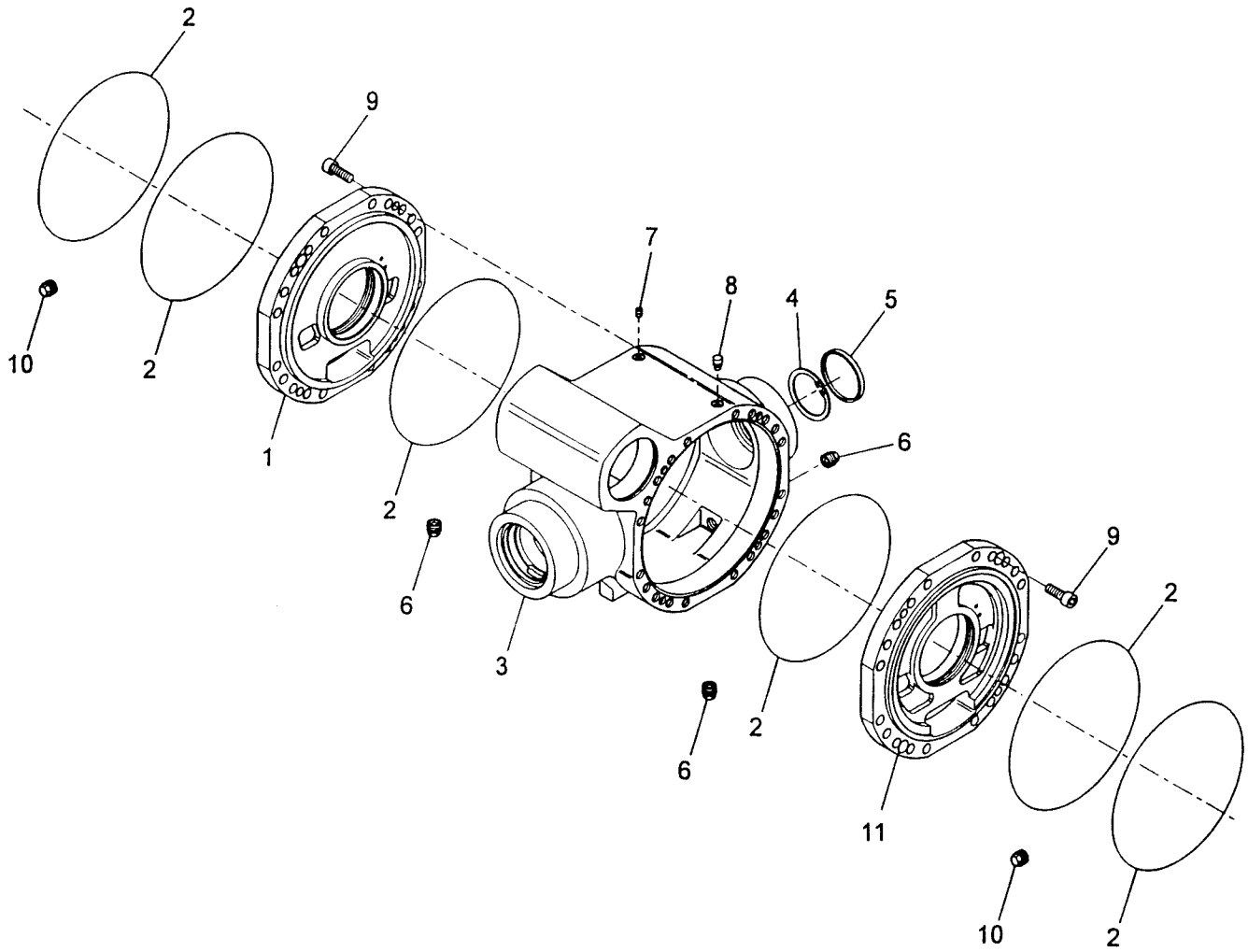
WHEN ORDERING FROM THIS BOOK USE THE
FIGURE BELOW AS A REFERENCE IN DETERMINING
LEFT OR RIGHT HAND SIDE

R.H. L.H.

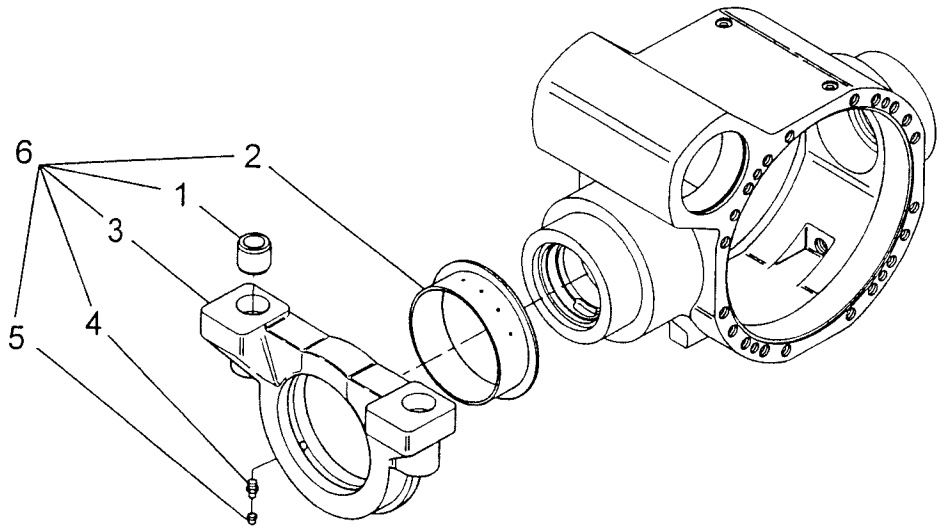


INDEX

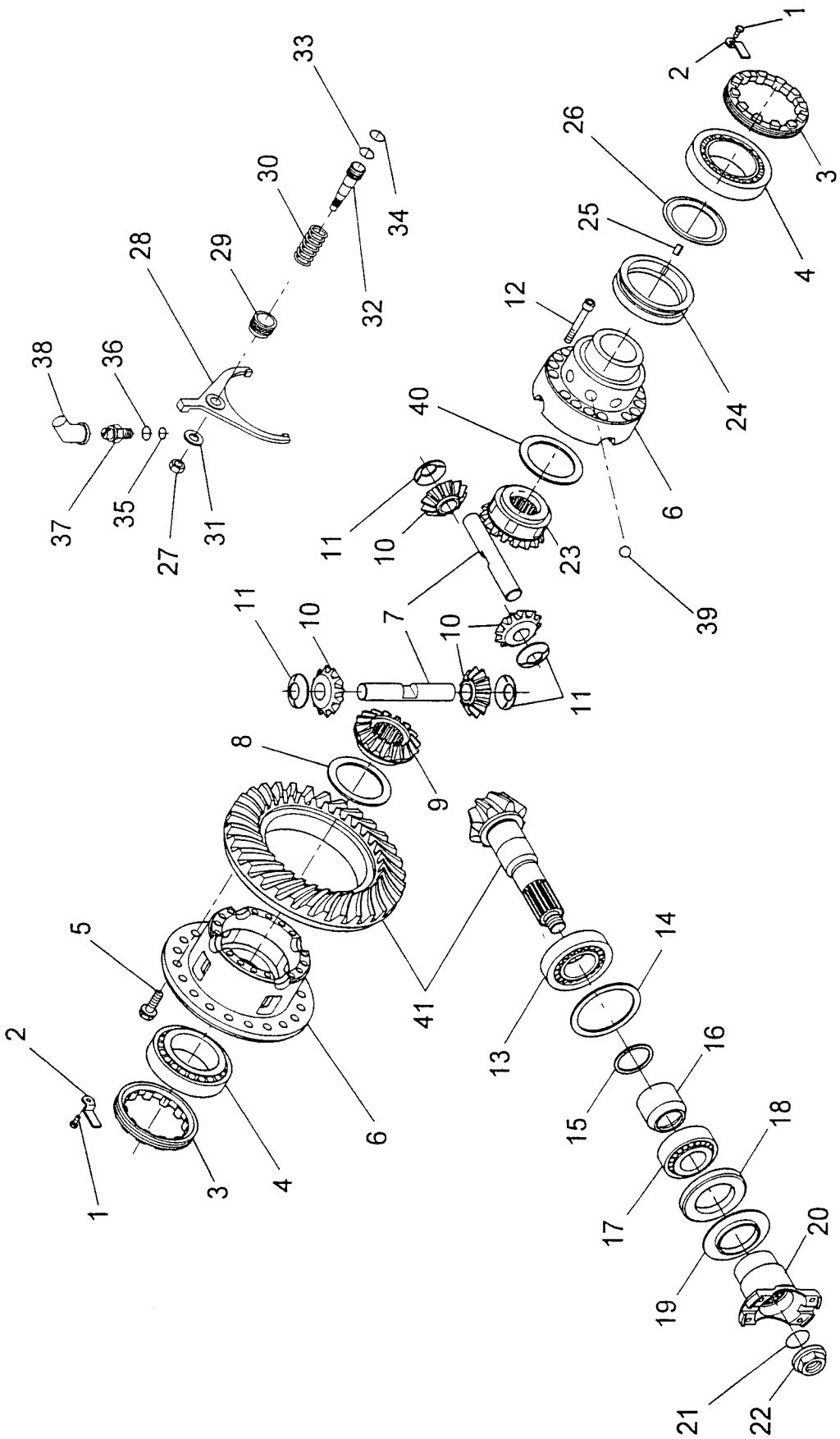
PAGE	DESCRIPTION	DRAWING
1	GEAR BOX & COVERS	P1-1495
2	TRUNNION MOUNT ASSEMBLY	P1-1496
3	DIFFERENTIAL ASSEMBLY	P1-1497
4	STEERING AXLE ASSEMBLY	P1-1498
5	DISC BRAKE ASSEMBLY	P1-1499
6	TIE ROD & STEERING CYLINDER ASSEMBLY	P1-1500



ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-760	COVER	1
2	7-229-761	O-RING	6
3	7-229-762	HOUSING	1
4	7-229-601	CIRCLIP	1
5	7-229-763	PLUG	1
6	7-229-764	MAGNETIC PLUG	3
7	7-229-765	PLUG	1
8	7-229-766	VENT	1
9	7-229-767	CYLINDER BOLT	8
10	7-229-768	PLUG	2
11	7-229-769	INTERMEDIATE COVER	1



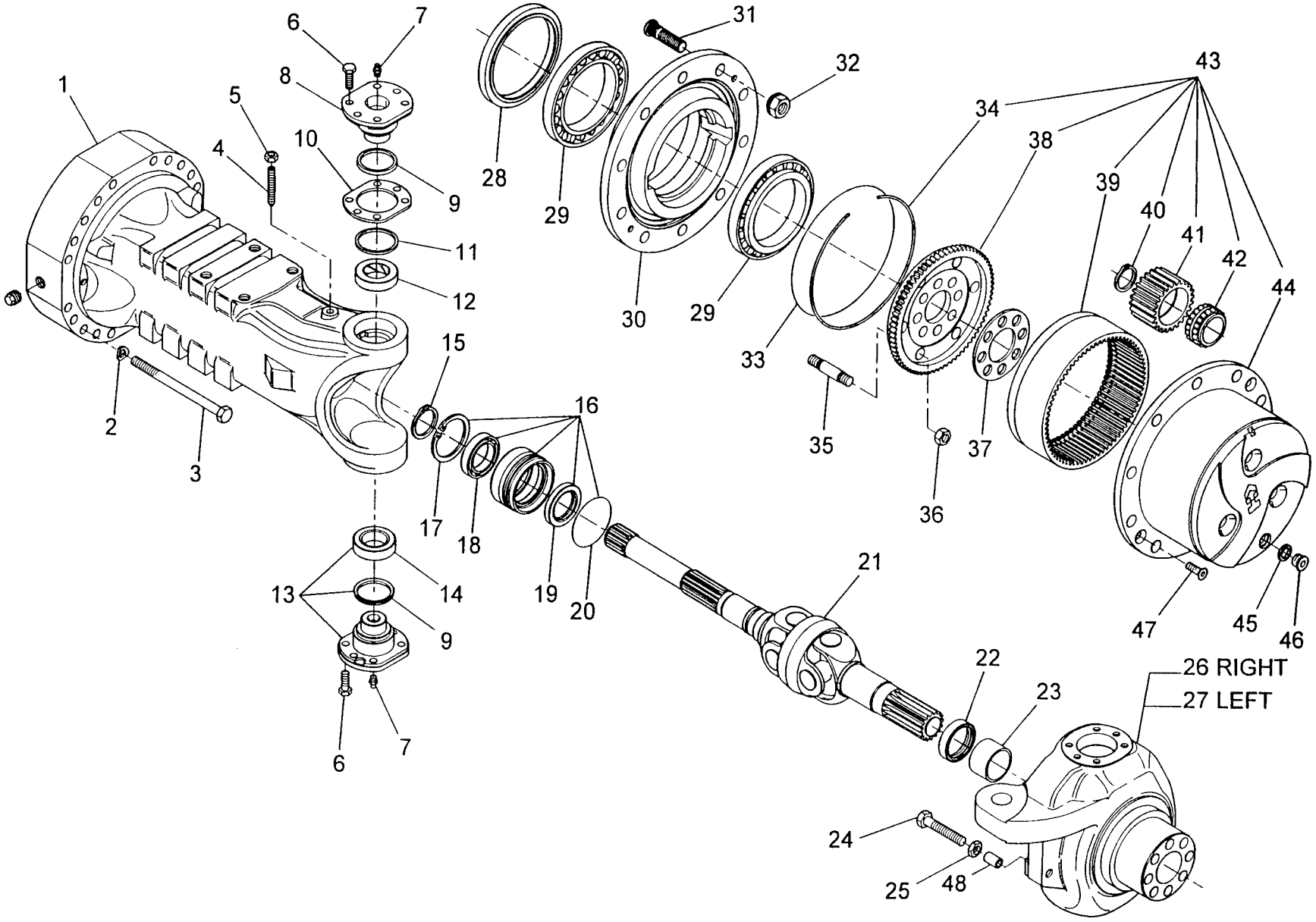
ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-874	REDUCTION BUSHING	4
2	7-229-875	THRUST BUSHING	2
3	7-229-876	SUPPORT	2
4	7-229-572	GREASE FITTING	2
5	7-229-571	PLUG	2
6	7-229-877	SUPPORT ASSEMBLY (INCL. ITEMS 1-5)	2



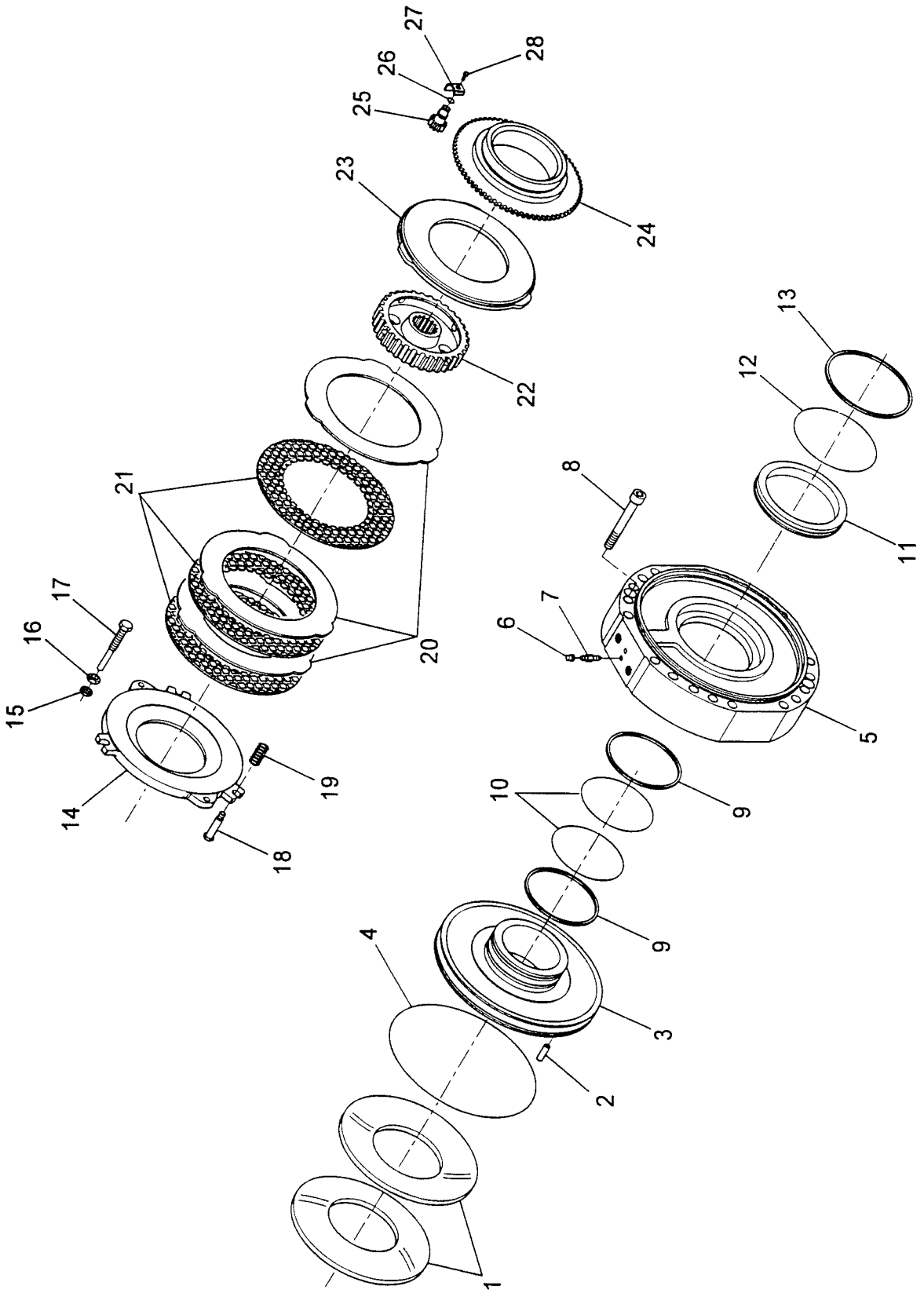
3 PAGE NUMBER	DIFFERENTIAL ASSEMBLY SS-1048C & SS-1056C FRONT AXLE	DRAWING NUMBER P1-1497

ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-770	HEXAGON BOLT	2
2	7-229-771	LOCKING PLATE	2
3	7-229-772	RING NUT	2
4	7-229-773	TAPER ROLLER BEARING	2
5	7-229-691	BOLT	20
6	7-229-774	DIFFERENTIAL	1
7	7-229-775	PIN	2
8	7-229-776	FRICTION WASHER	1
9	7-229-777	DIFFERENTIAL SIDE GEAR	1
10	7-229-778	DIFFERENTIAL PINION	4
11	7-229-779	FRICTION WASHER	4
12	7-229-780	BOLT	16
13	7-229-781	TAPER ROLLER BEARING	1
14		SHIM / SEE BELOW	
	7-229-662	SHIM / 0.10mm	AR
	7-229-663	SHIM / 0.20mm	AR
	7-229-664	SHIM / 0.50mm	AR
	7-229-665	SHIM / 0.15mm	AR
15		SHIM / SEE BELOW	
	7-229-782	SHIM / 0.15mm	AR
	7-229-783	SHIM / 0.20mm	AR
	7-229-784	SHIM / 0.30mm	AR
	7-229-785	SHIM / 0.40mm	AR
	7-229-786	SHIM / 0.50mm	AR
16	7-229-787	SPACER	1
17	7-229-788	TAPER ROLLER BEARING	1
18	7-229-789	SEAL	1
19	7-229-790	COVERPLATE	1
20	7-229-791	FLANGE	1
21	7-229-792	O-RING	1
22	7-229-793	NUT	1
23	7-229-794	DIFFERENTIAL SIDE GEAR	1
24	7-229-795	SELECTOR	1
25	7-229-732	KEY	1
26	7-229-796	FRICTION WASHER	1
27	7-229-797	NUT	1
28	7-229-798	SELECTOR FORK	1
29	7-229-799	RING NUT	1
30	7-229-800	SPRING	1
31	7-229-801	SPRING WASHER	1
32	7-229-802	PISTON	1
33	7-229-803	O-RING	1
34	7-229-804	GASKET	1
35	7-229-726	O-RING	1
36	7-229-727	SEAL WASHER	1
37	7-229-728	SECURITY SWITCH	1
38	7-229-729	BOOT	1
39	7-229-731	DETENT BALL	8
40	7-229-805	FRICTION WASHER	1
41	7-229-806	BEVEL GEAR SET	1

STEERING AXLE ASSEMBLY
SS-1048C & SS-1056C FRONT AXLE

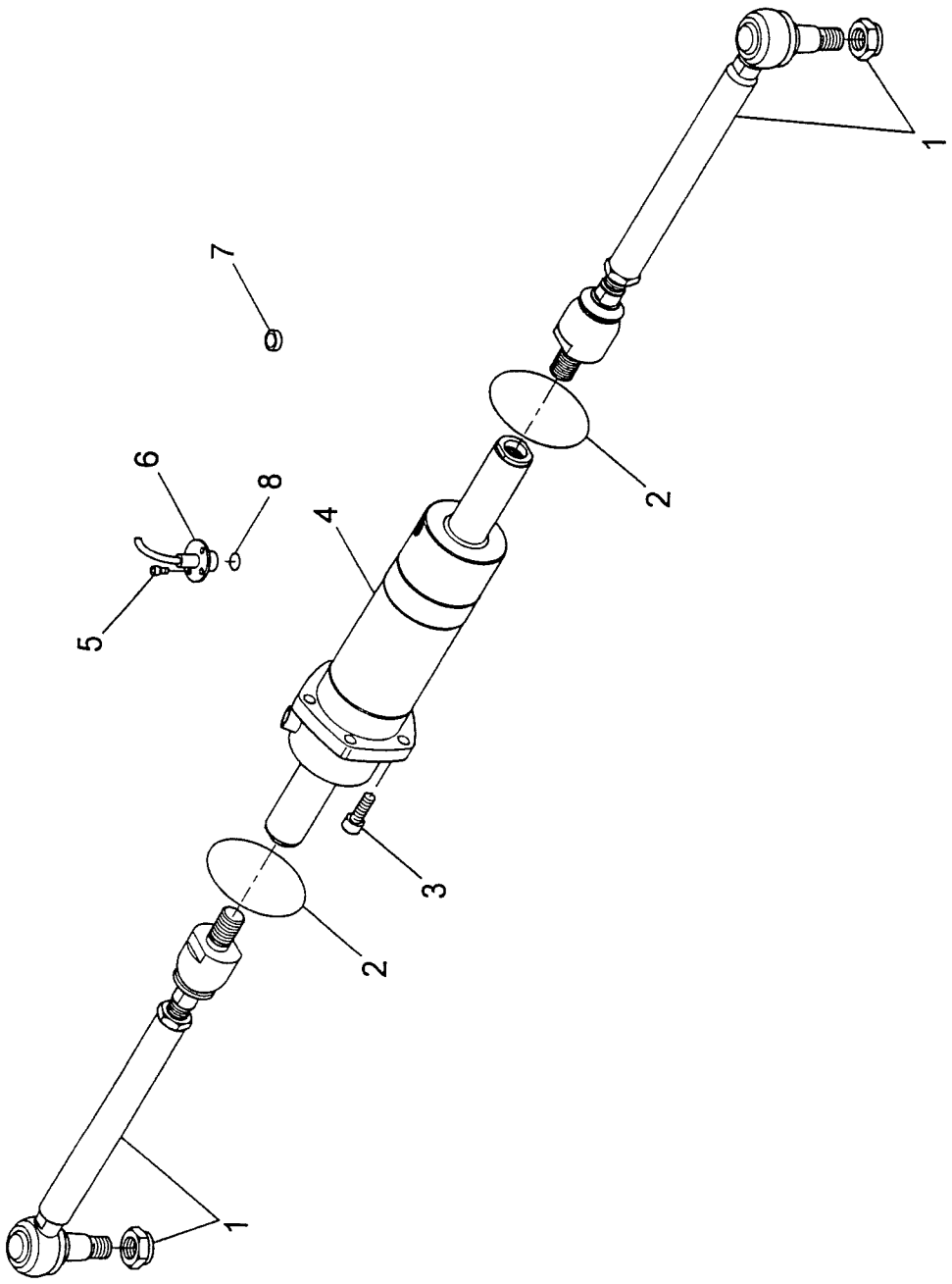


ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-807	AXLE CASE	2
2	7-229-801	SPRING WASHER	40
3	7-229-809	BOLT	40
4	7-229-810	BOLT	2
5	7-229-623	NUT	2
6	7-229-691	BOLT	24
7	7-229-572	GREASE FITTING	4
8	7-229-811	PIVOT PIN	2
9	7-229-812	SPACER	4
10		SHIM / SEE BELOW	
	7-229-813	SHIM / 0.15mm	AR
	7-229-814	SHIM / 0.20mm	AR
	7-229-815	SHIM / 0.50mm	AR
11	7-229-816	DUST EXCLUDER	2
12	7-229-817	REDUCTION BUSHING	2
13	7-229-818	PIVOT PIN	2
14	7-229-819	BEARING	2
15	7-229-565	CIRCLIP	2
16	7-229-562	REDUCTION BUSHING	2
17	7-229-601	CIRCLIP	2
18	7-229-564	BALL BEARING	2
19	7-229-563	SEAL	2
20	7-229-566	O-RING	2
21	7-229-820	JOINT	2
22	7-229-821	SEAL	2
23	7-229-822	THRUST BUSHING	2
24	7-229-823	BOLT	4
25	7-229-599	NUT	4
26	7-229-824	STEERING CASE / RH	1
27	7-229-825	STEERING CASE / LH	1
28	7-229-826	SEAL	2
29	7-229-827	TAPER ROLLER BEARING	4
30	7-229-828	WHEEL HUB	2
31	7-229-829	WHEEL STUD	20
32	7-229-830	WHEEL NUT	20
33	7-229-831	O-RING	2
34	7-229-832	CIRCLIP	2
35	7-229-833	STUD	16
36	7-229-834	NUT	16
37	7-229-835	LOCKING PLATE	2
38	7-229-836	RING GEAR SUPPORT	2
39	7-229-837	RING GEAR	2
40	7-229-838	SEAL	6
41	7-229-839	PLANET GEAR	6
42	7-229-840	BEARING	6
43	7-229-841	PLANET GEAR CARRIER ASSEMBLY	REF
44	7-229-842	PLANET GEAR CARRIER	2
45	7-229-525	SEAL WASHER	2
46	7-229-526	PLUG	2
47	7-229-681	COUNTERSUNK BOLT	4
48	7-229-843	SPACER	2
49	7-229-886	STEERING CASE w/ THRUST BUSHING / RH	REF
50	7-229-887	STEERING CASE w/ THRUST BUSHING / LH	REF



5	PAGE NUMBER	DISC BRAKE ASSEMBLY SS-1048C & SS-1056C FRONT AXLE	DRAWING NUMBER	P1-1499

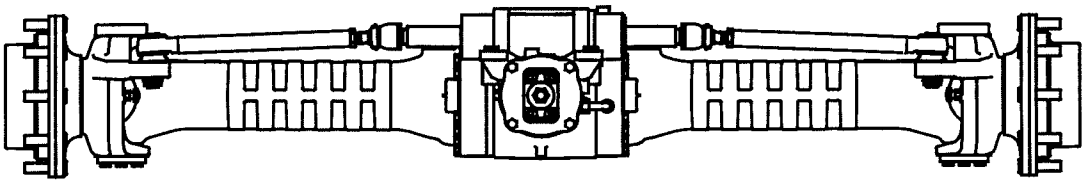
ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-844	SPRING	2
2	7-229-845	ROLL PIN	2
3	7-229-846	PISTON	2
4	7-229-847	O-RING	2
5	7-229-848	INTERMEDIATE COVER	2
6	7-229-571	PLUG	4
7	7-229-849	BLEEDING BOLT	4
8	7-229-850	CYLINDER BOLT	4
9	7-229-851	BACK-UP RING	4
10	7-229-852	SEAL	4
11	7-229-853	PISTON	2
12	7-229-646	O-RING	2
13	7-229-647	BACK-UP RING	2
14	7-229-854	BRAKE DISC	2
15	7-229-855	LOCKWASHER	4
16	7-229-856	NUT	4
17	7-229-857	BOLT	4
18	7-229-858	STEERING ADJUST BOLT	6
19	7-229-859	SPRING	6
20	7-229-860	INTERMEDIATE BRAKE DISC	4
21	7-229-861	BRAKE DISC	4
22	7-229-862	SELECTOR	2
23	7-229-863	INTERMEDIATE BRAKE DISC	2
24	7-229-864	RING	2
25	7-229-865	PINION	2
26	7-229-866	O-RING	2
27	7-229-867	LOCKING PLATE	2
28	7-229-868	HEXAGON BOLT	2



6	PAGE NUMBER	TIE ROD & STEERING CYLINDER ASSEMBLY SS-1048C & SS-1056C FRONT & REAR AXLE	DRAWING NUMBER	P1-1500

ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-869	ARTICULATED TIE ROD / LH & RH	2
2	7-229-870	O-RING	2
3	7-229-767	CYLINDER BOLT	5
4	7-229-871	CYLINDER	1
5	7-229-872	HEXAGON BOLT	3
6			
7	7-229-873	PLUG	1

REAR AXLE
PARTS BOOK
TH1048C & TH1056C



DATE: 10-21-01

SPICER CLARK-HURTH 213/54 AXLE

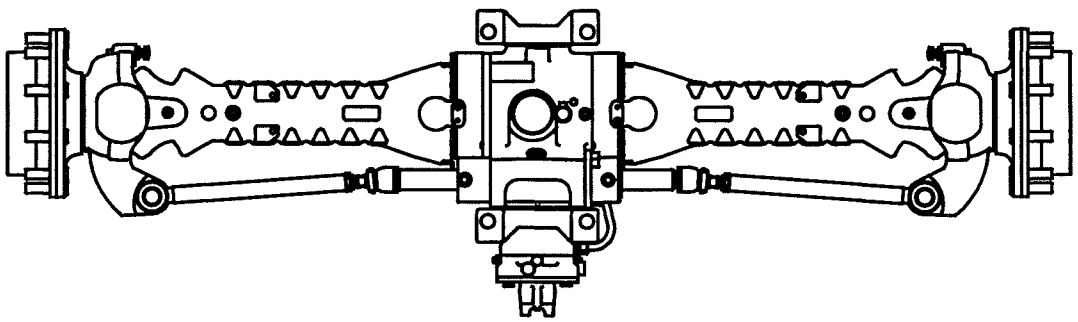
7-229-871 STEERING CYLINDER

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

AXLE PARTS ORDERING GUIDE

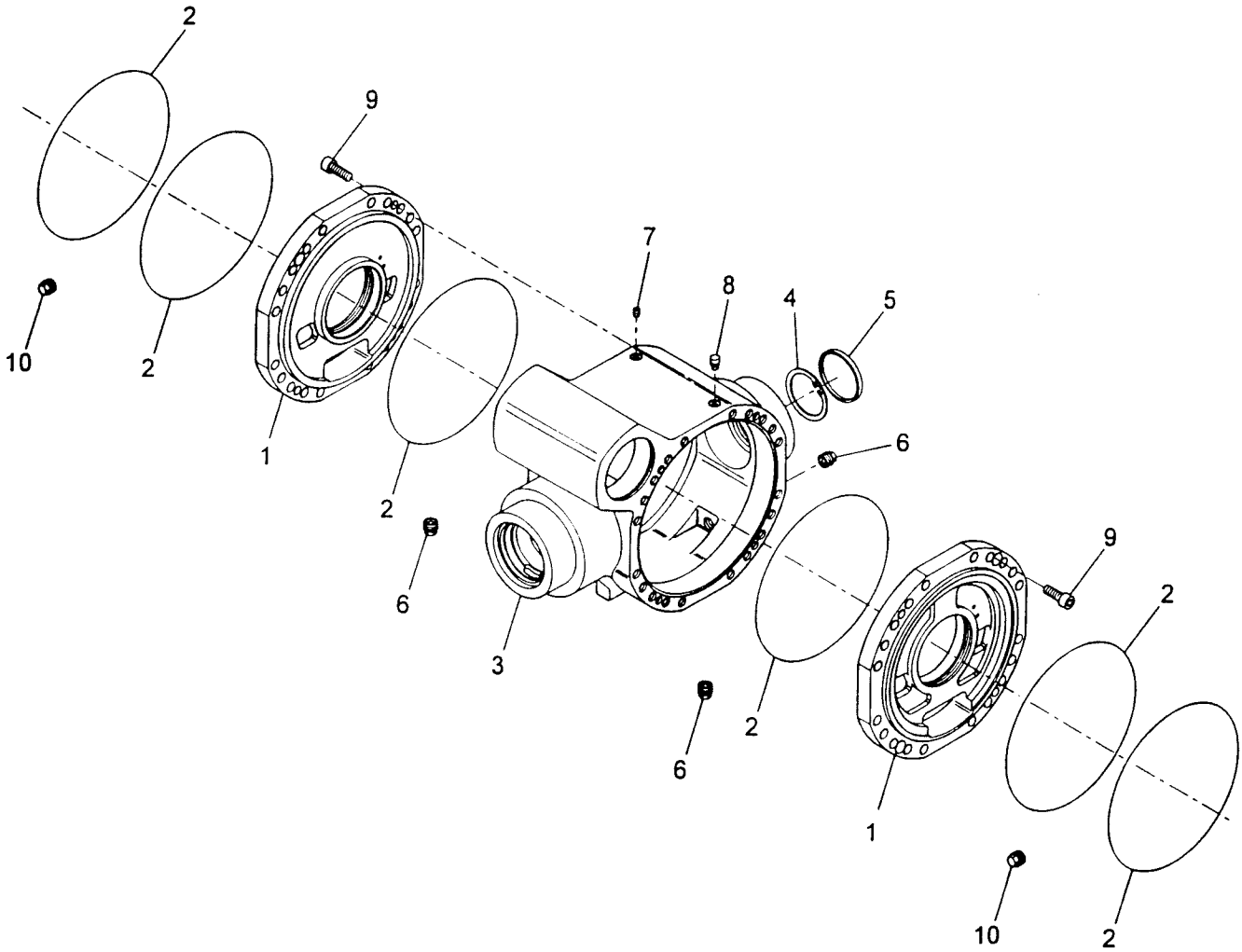
WHEN ORDERING FROM THIS BOOK USE THE
FIGURE BELOW AS A REFERENCE IN DETERMINING
LEFT OR RIGHT HAND SIDE

R.H. L.H.

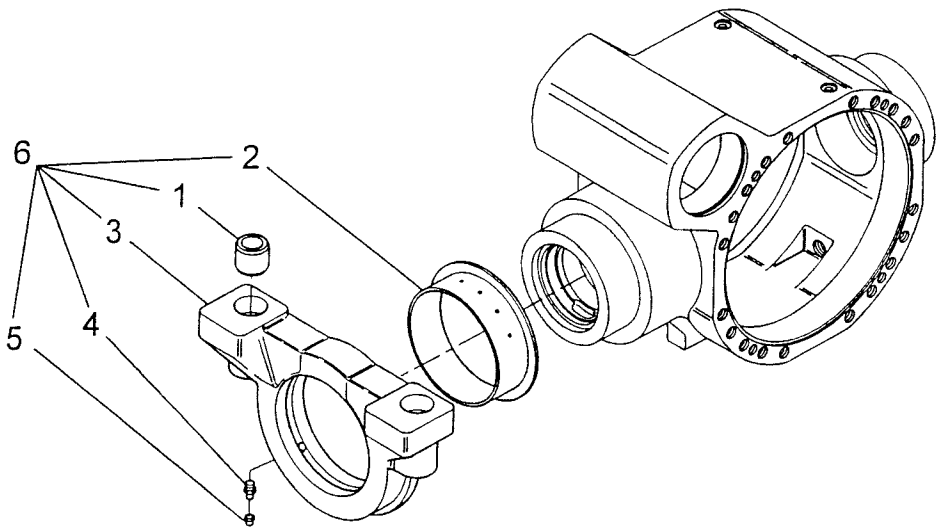


INDEX

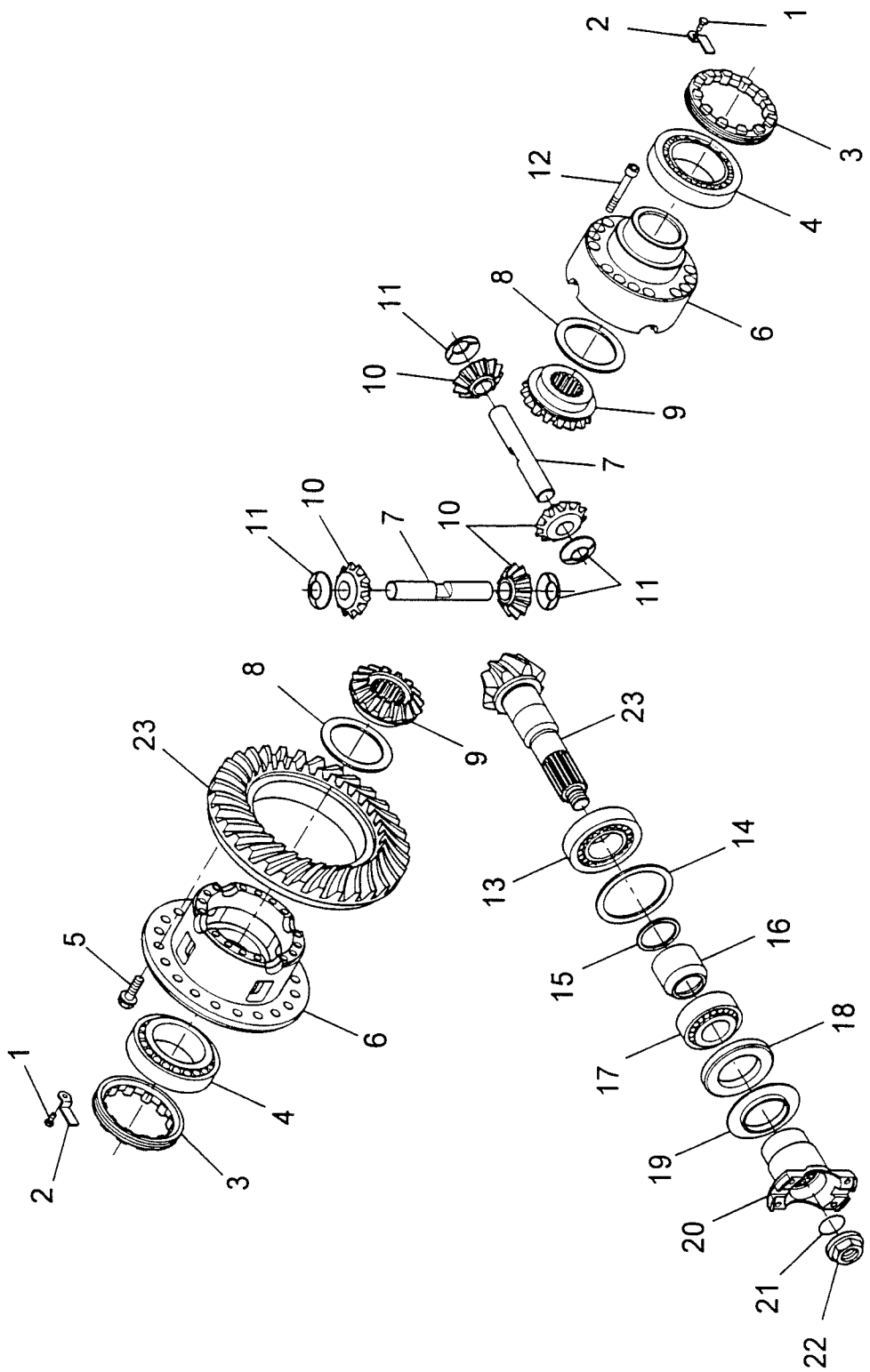
PAGE	DESCRIPTION	DRAWING
1	GEAR BOX & COVERS	P1-1501
2	TRUNNION MOUNT ASSEMBLY	P1-1496
3	DIFFERENTIAL ASSEMBLY	P1-1502
4	STEERING AXLE ASSEMBLY	P1-1503
5	DISC BRAKE ASSEMBLY	P1-1504
6	TIE ROD & STEERING CYLINDER ASSEMBLY	P1-1500



ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-769	INTERMEDIATE COVER	2
2	7-229-761	O-RING	6
3	7-229-808	HOUSING	1
4	7-229-601	CIRCLIP	1
5	7-229-763	PLUG	1
6	7-229-764	MAGNETIC PLUG	3
7	7-229-765	PLUG	1
8	7-229-766	VENT	1
9	7-229-767	CYLINDER BOLT	8
10	7-229-768	PLUG	2



ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-874	REDUCTION BUSHING	4
2	7-229-875	THRUST BUSHING	2
3	7-229-876	SUPPORT	2
4	7-229-572	GREASE FITTING	2
5	7-229-571	PLUG	2
6	7-229-877	SUPPORT ASSEMBLY (INCL. ITEMS 1-5)	2



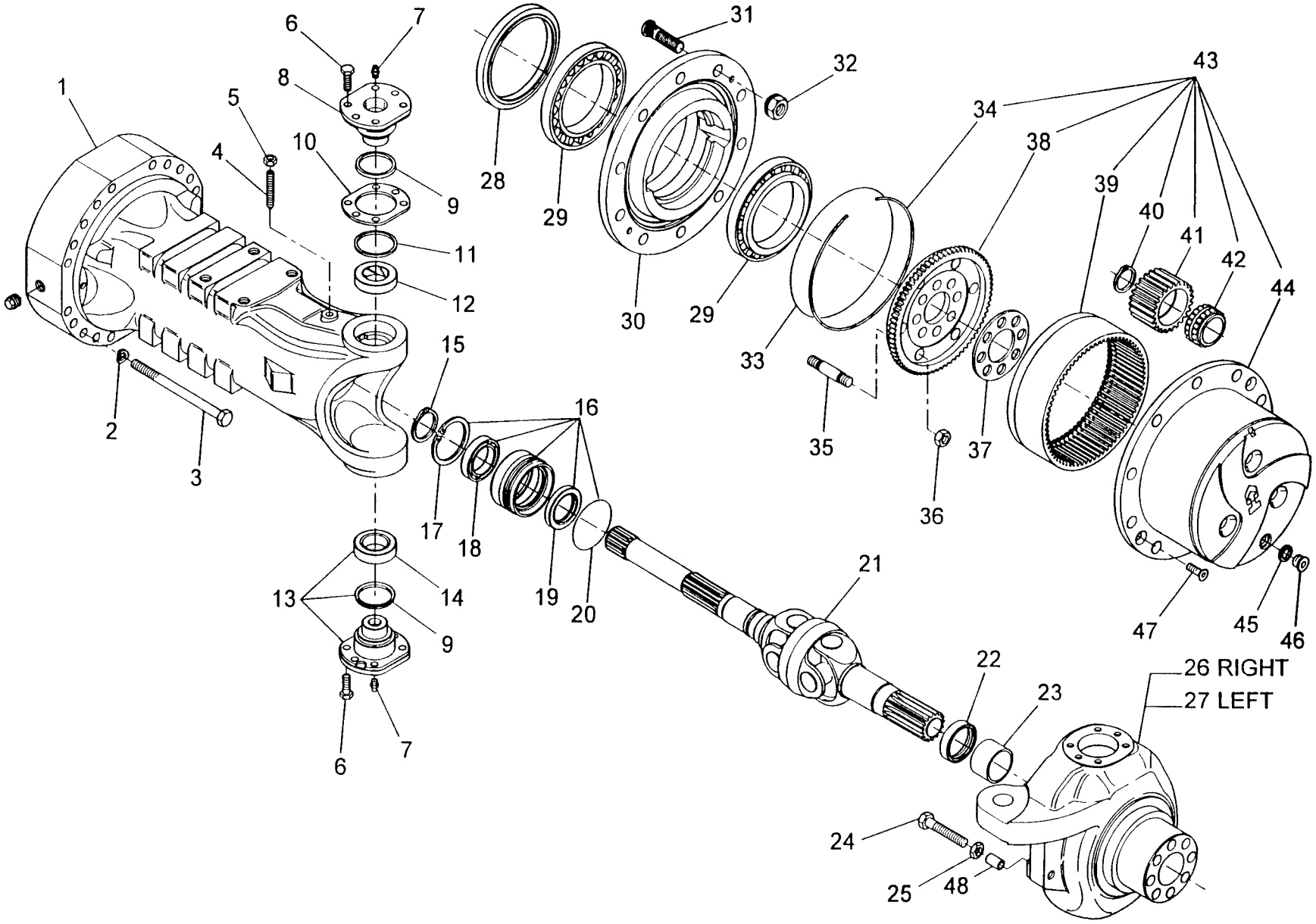
3	PAGE NUMBER	DIFFERENTIAL ASSEMBLY SS-1048C & SS-1056C REAR AXLE	DRAWING NUMBER	P1-1502

ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-770	HEXAGON BOLT	2
2	7-229-771	LOCKING PLATE	2
3	7-229-772	RING NUT	2
4	7-229-773	TAPER ROLLER BEARING	2
5	7-229-691	BOLT	20
6	7-229-878	DIFFERENTIAL CARRIER	1
7	7-229-775	PIN	2
8	7-229-776	FRICTION WASHER	2
9	7-229-777	DIFFERENTIAL SIDE GEAR	2
10	7-229-778	DIFFERENTIAL PINION	4
11	7-229-779	FRICTION WASHER	4
12	7-229-879	BOLT	16
13	7-229-781	TAPER ROLLER BEARING	1
14		SHIM / SEE BELOW	
	7-229-662	SHIM / 0.10mm	AR
	7-229-663	SHIM / 0.20mm	AR
	7-229-664	SHIM / 0.50mm	AR
	7-229-665	SHIM / 0.15mm	AR
15		SHIM / SEE BELOW	
	7-229-782	SHIM / 0.15mm	AR
	7-229-783	SHIM / 0.20mm	AR
	7-229-784	SHIM / 0.30mm	AR
	7-229-785	SHIM / 0.40mm	AR
	7-229-786	SHIM / 0.50mm	AR
16	7-229-787	SPACER	1
17	7-229-788	TAPER ROLLER BEARING	1
18	7-229-789	SEAL	1
19	7-229-790	COVERPLATE	1
20	7-229-791	FLANGE	1
21	7-229-792	O-RING	1
22	7-229-793	NUT	1
23	7-229-806	BEVEL GEAR SET	1

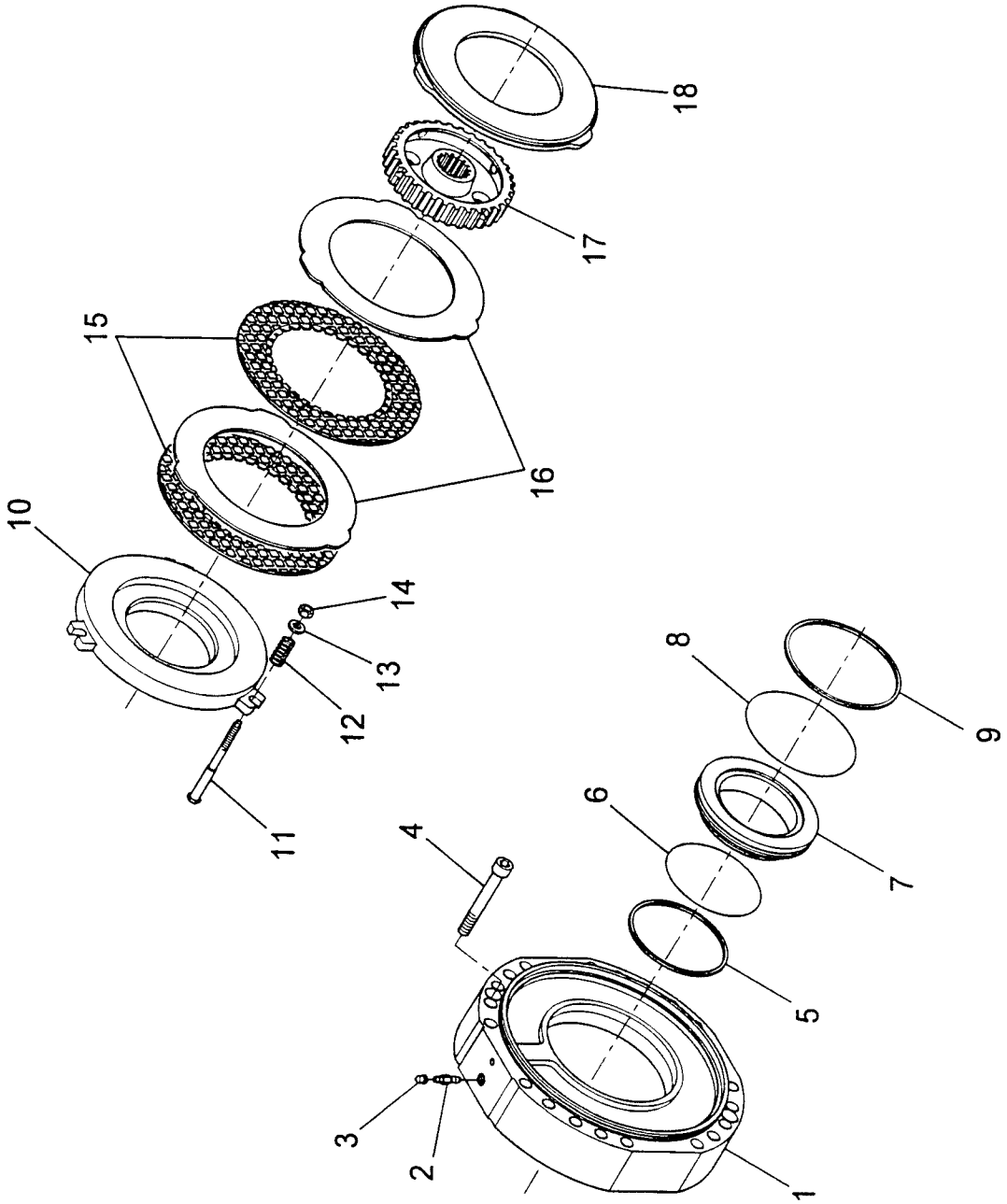
PAGE NUMBER 4

STEERING AXLE ASSEMBLY
SS-1048C & SS-1056C REAR AXLE

DRAWING NUMBER P1-1503

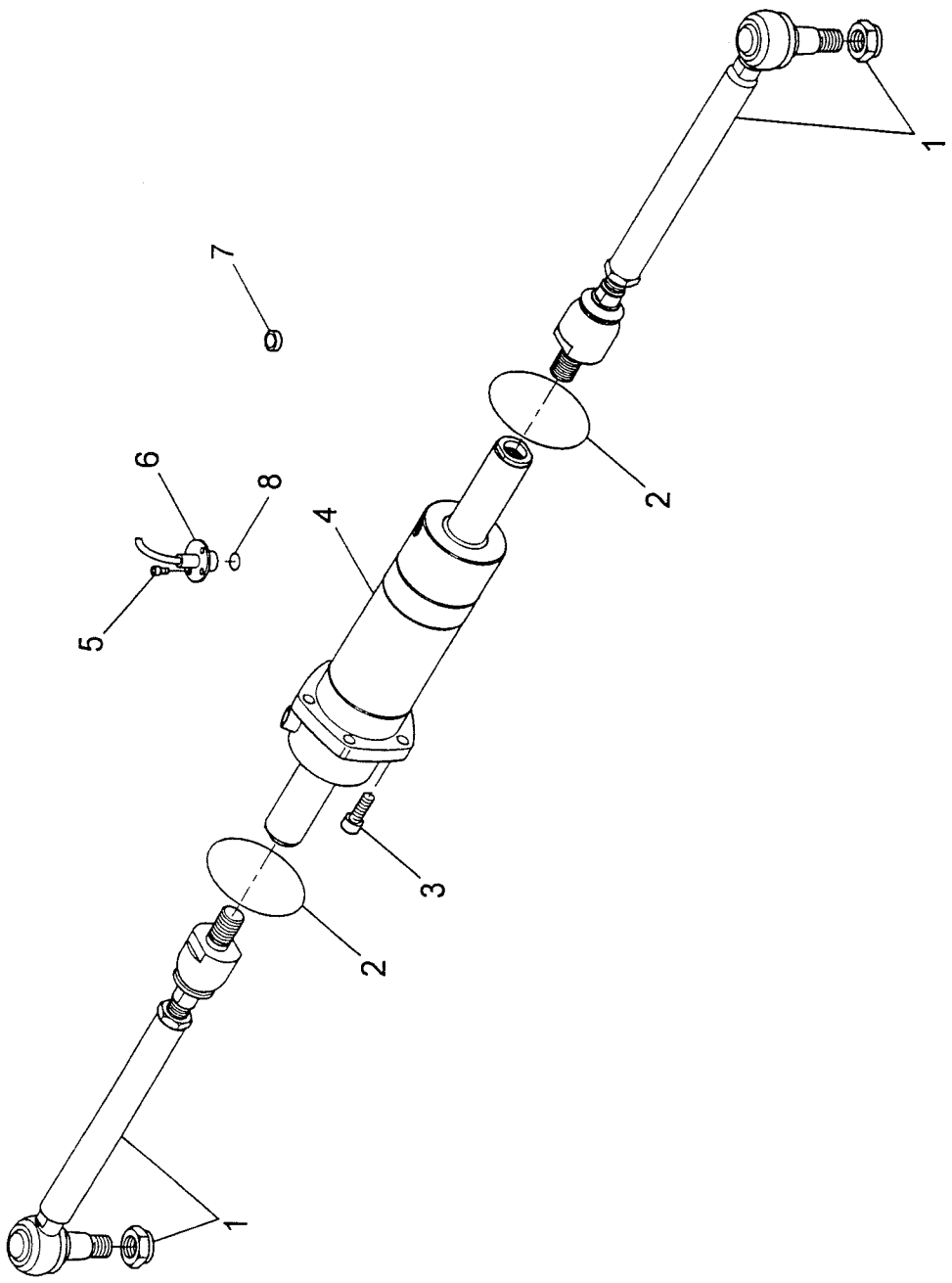


ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-880	AXLE CASE	2
2	7-229-801	SPRING WASHER	40
3	7-229-809	BOLT	40
4	7-229-810	BOLT	2
5	7-229-623	NUT	2
6	7-229-691	BOLT	24
7	7-229-572	GREASE FITTING	4
8	7-229-811	PIVOT PIN	2
9	7-229-812	SPACER	4
10		SHIM / SEE BELOW	
	7-229-813	SHIM / 0.15mm	AR
	7-229-814	SHIM / 0.20mm	AR
	7-229-815	SHIM / 0.50mm	AR
11	7-229-816	DUST EXCLUDER	2
12	7-229-817	REDUCTION BUSHING	2
13	7-229-818	PIVOT PIN	2
14	7-229-819	BEARING	2
15	7-229-565	CIRCLIP	2
16	7-229-562	REDUCTION BUSHING	2
17	7-229-601	CIRCLIP	2
18	7-229-564	BALL BEARING	2
19	7-229-563	SEAL	2
20	7-229-566	O-RING	2
21	7-229-820	JOINT	2
22	7-229-821	SEAL	2
23	7-229-822	THRUST BUSHING	2
24	7-229-823	BOLT	4
25	7-229-599	NUT	4
26	7-229-824	STEERING CASE / RH	1
27	7-229-825	STEERING CASE / LH	1
28	7-229-826	SEAL	2
29	7-229-827	TAPER ROLLER BEARING	4
30	7-229-828	WHEEL HUB	2
31	7-229-829	WHEEL STUD	20
32	7-229-830	WHEEL NUT	20
33	7-229-831	O-RING	2
34	7-229-832	CIRCLIP	2
35	7-229-833	STUD	16
36	7-229-834	NUT	16
37	7-229-835	LOCKING PLATE	2
38	7-229-836	RING GEAR SUPPORT	2
39	7-229-837	RING GEAR	2
40	7-229-838	SEAL	6
41	7-229-839	PLANET GEAR	6
42	7-229-840	BEARING	6
43	7-229-841	PLANET GEAR CARRIER ASSEMBLY	REF
44	7-229-842	PLANET GEAR CARRIER	2
45	7-229-525	SEAL WASHER	2
46	7-229-526	PLUG	2
47	7-229-681	COUNTERSUNK BOLT	4
48	7-229-843	SPACER	2
49	7-229-886	STEERING CASE w/ THRUST BUSHING / RH	REF
50	7-229-887	STEERING CASE w/ THRUST BUSHING / LH	REF



5	PAGE NUMBER	DISC BRAKE ASSEMBLY SS-1048C & SS-1056C REAR AXLE	DRAWING NUMBER	P1-1504

ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-881	INTERMEDIATE COVER	2
2	7-229-849	BLEEDING BOLT	2
3	7-229-571	PLUG	2
4	7-229-850	CYLINDER BOLT	4
5	7-229-851	BACK-UP RING	2
6	7-229-852	SEAL	2
7	7-229-882	PISTON	2
8	7-229-646	O-RING	2
9	7-229-647	BACK-UP RING	2
10	7-229-883	INTERMEDIATE BRAKE DISC	2
11	7-229-884	ADJUSTING BOLT	6
12	7-229-859	SPRING	6
13	7-229-667	WASHER	6
14	7-229-885	NUT	6
15	7-229-861	BRAKE DISC	4
16	7-229-860	INTERMEDIATE BRAKE DISC	4
17	7-229-862	SELECTOR	2
18	7-229-863	INTERMEDIATE BRAKE DISC	2



6	PAGE NUMBER	TIE ROD & STEERING CYLINDER ASSEMBLY SS-1048C & SS-1056C FRONT & REAR AXLE	DRAWING NUMBER	P1-1500

ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-869	ARTICULATED TIE ROD / LH & RH	2
2	7-229-870	O-RING	2
3	7-229-767	CYLINDER BOLT	5
4	7-229-871	CYLINDER	1
5	7-229-872	HEXAGON BOLT	3
6			
7	7-229-873	PLUG	1