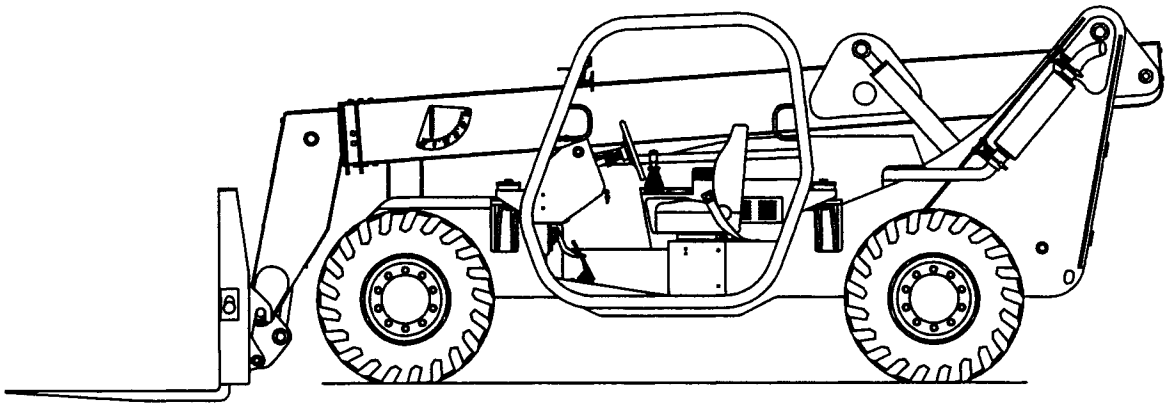
235751

PARTS BOOK
TH528C



DATE: 05-16-03

CUMMINS B3.3 85 H.P. TURBO ENGINE
DANA 212 AXLES
CLARK T12000 TRANSMISSION
REMOTE MOUNTED PATZ II CAB
REXROTH HYDRAULIC PUMP
DAVID BROWN MAIN VALVE
DAVID BROWN 4-WAY CONTROLLER

Serial Number:_____

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

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19	ELECTRIC SCHEMATIC	P1-1632
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27	CIRCUIT / 4-WAY CONTROLLER	P1-1648
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29	CIRCUIT / SWAY	P1-1337
30	CIRCUIT / PARKING BRAKE	P1-1008
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32	CIRCUIT / OIL COOLER	P1-1652
33	CIRCUIT / FUEL / CUMMINS B3.3-85	P1-1653
34	STARTER RELAY / SENDER ASSY / B3.3-85	P1-1654
35	AIR CLEANER / FUEL TANK / BATTERY BOX ASSY	P1-1341
36	LIFT CYLINDER / 7-316-332	P1-1352
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45	4-WAY CONTROLLER ASSEMBLY / 7-358-03	P1-1280
46	MAIN VALVE ASSEMBLY / 7-358-15	P1-1364
47	HYDRAULIC PUMP ASSEMBLY / 7-345-113	P4-2059
48	ELECTRIC 4-WAY VALVE / 7-367-09	P1-1447
49	ELECTRIC 4-WAY VALVE / 7-244-31	P3-1140
50	CONTROLLER RELIEF VALVE / 7-367-01	P1-1446

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TH528C

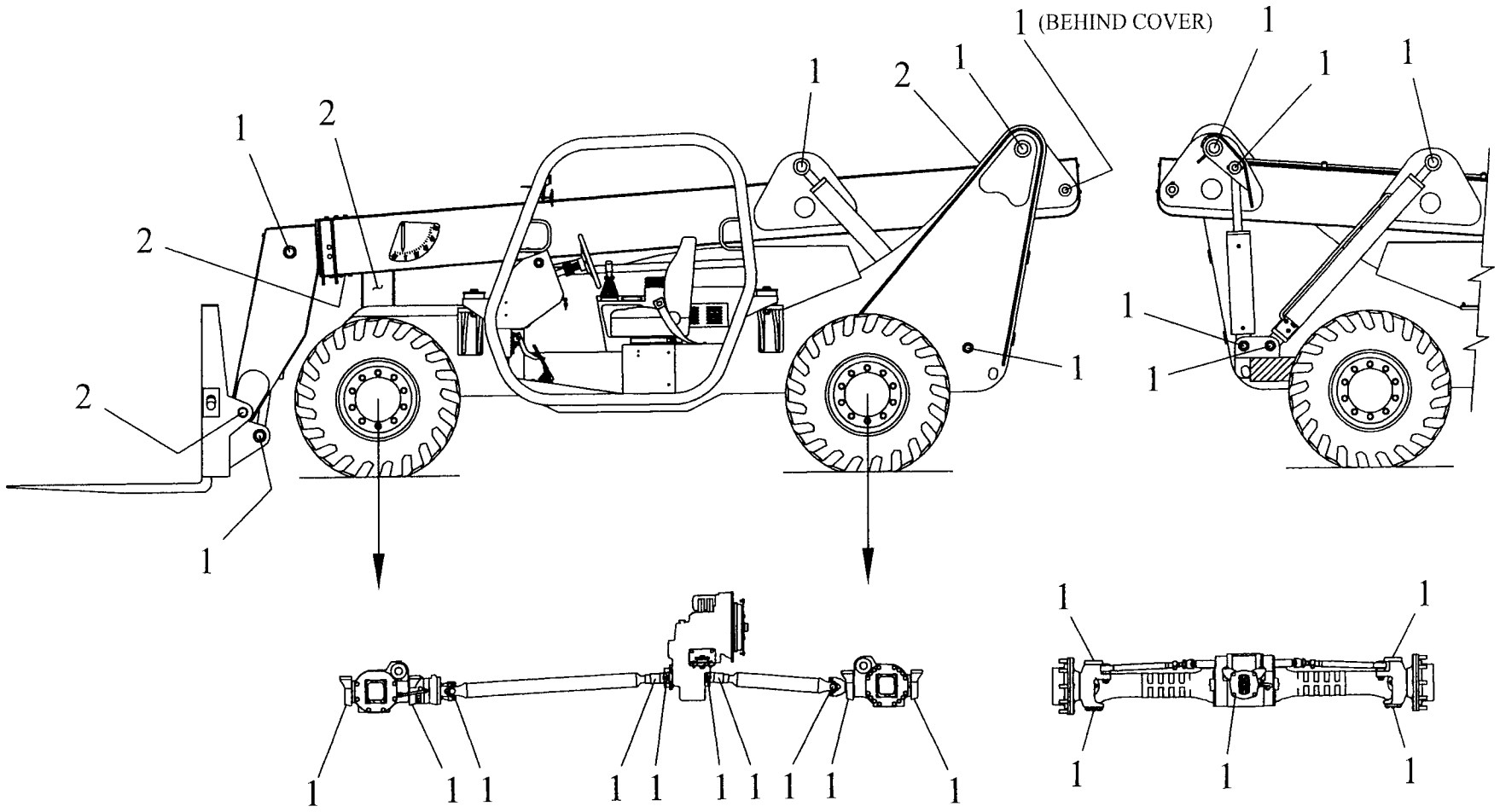
51	FULLY ENCLOSED CAB ASSEMBLY / 7-114-03	P1-1740

MANUFACTURER PART NUMBER	NUMBER	DESCRIPTION	SEAL KIT
PPDB-LNN	7-234-13	CARTRIDGE / REDUCING RELIEVING	7-234-29
CKCD-XCN	7-234-18	CARTRIDGE / PILOT CHECK	7-234-29
PPDB-LAN	7-234-28	CARTRIDGE / REDUCING RELIEVING	7-234-29
NFCC-LDN	7-234-37	CARTRIDGE / NEEDLE	7-234-31
CAEA-LHN	7-234-53	CARTRIDGE / COUNTERBALANCE	7-234-30
CKED-XCN	7-234-55	CARTRIDGE / PILOT CHECK	7-234-30
CXDA-XCN	7-234-80	CARTRIDGE / CHECK	7-234-31
DSV2-080-4CO-N	7-367-10	CARTRIDGE / 4-WAY	7-367-19
DSV2-080-2NOS-N	7-367-06	CARTRIDGE / NORMALLY OPEN	7-367-17
	7-316-331	CYLINDER / SWAY / P1-1355	7-900-76
	7-316-332	CYLINDER / LIFT / P1-1352	7-900-72
	7-316-329	CYLINDER / TILT / P1-1353	7-900-74
	7-316-328	CYLINDER / BOOM / P1-1354	7-900-73
	7-316-330	CYLINDER / SLAVE / P1-1356	7-900-75
	7-379-01	CYLINDER / FORK FRAME ROTATE	7-900-86
	7-229-696	CYLINDER / STEERING	7-900-88
	7-198-48	BRAKE ACTUATOR	7-198-49
	7-147-01	ORBITRAL / STEERING	7-147-07
	7-358-15	VALVE ASSEMBLY / 3 SECTION / P1-1364	7-358-40
	7-358-08	PARKING BRAKE VALVE	7-358-42

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LUBE CHART TH528C

PAGE NUMBER 2


1 (BEHIND COVER)
1
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1

TH528C FILTER GUIDE

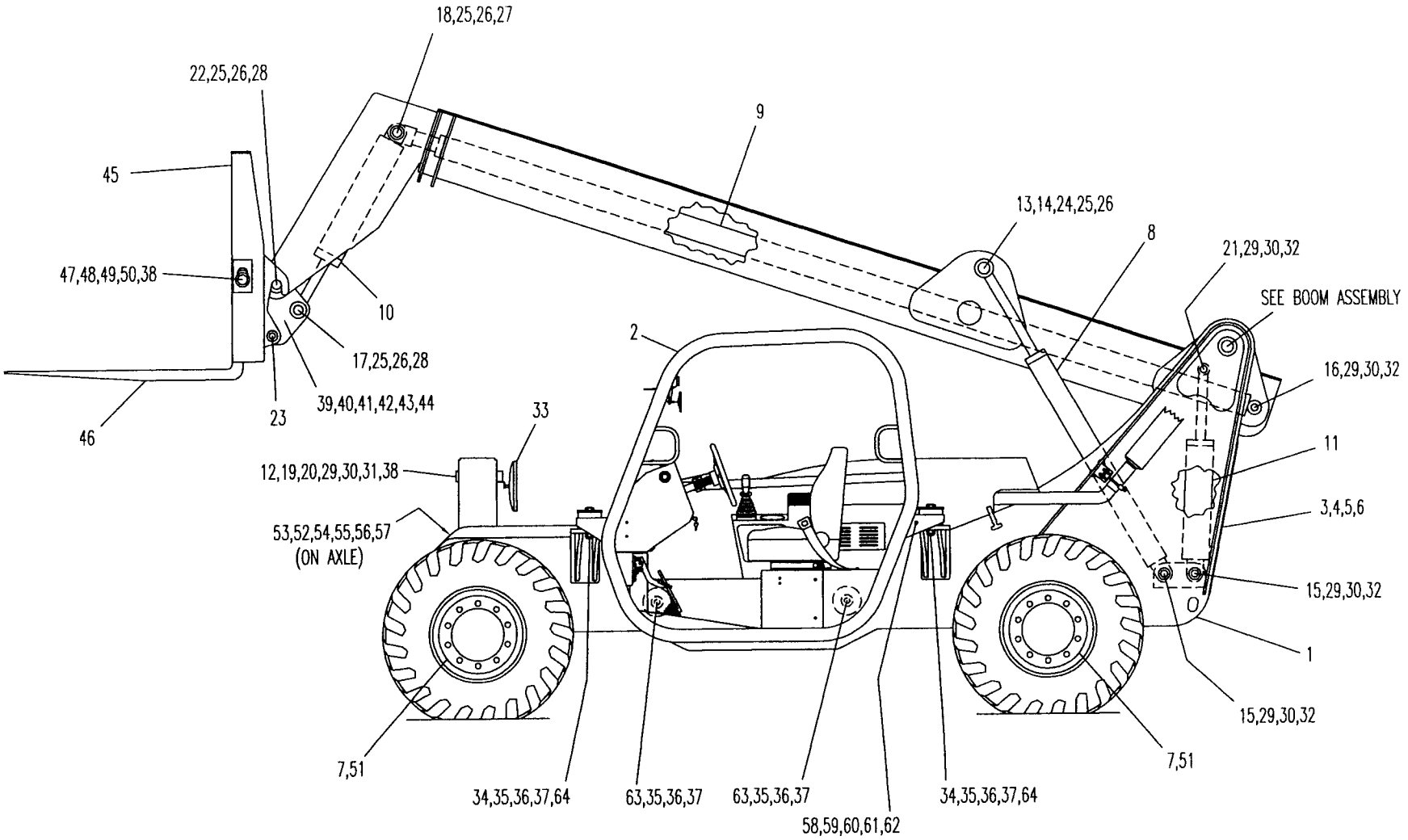
DESCRIPTION	PART NO.	APPLICATION
1. HYDRAULIC RETURN FILTER ELEMENT	7-118-02	TH528C
2. ENGINE OIL FILTER / CUMMINS	7-343-96	TH528C
4. ENGINE FUEL / WATER SEPARATOR	7-343-97	TH528C
5. AIR CLEANER ELEMENT	7-109-04	TH528C
6. TRANSMISSION OIL FILTER	7-126-349	TH528C
7. FILLER CAP / FUEL	7-272-09	TH528C
8. HYDRAULIC RESERVOIR FILLER-BREATHER	7-272-11	TH528C

ITEM	NUMBER	DESCRIPTION	REQD
1	2-1275	DECAL / LOAD CHART / TH528C	1
2	4-2282-6	DECAL / TH528C 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	4-1401-8	DECAL / TRANSMISSION OIL	1
7	4-1401-10	DECAL / TRANSMISSION CONTROL	1
8	2-1280	DECAL / 4-WAY CONTROLLER	1
9	4-1880-1	DECAL / BOOM ANGLE / WHITE LETTER	1
10	4-1880-11	DECAL / A / WHITE LETTER	1
11	4-1880-12	DECAL / B / WHITE LETTER	1
12	4-1880-13	DECAL / C / WHITE LETTER	1
13	4-1880-14	DECAL / D / WHITE LETTER	1
14	4-1105-16	DECAL / MADE IN USA	4
15	3-1257-1	DECAL / HYDRAULIC OIL ONLY	1
16	2-1290	DECAL / FALLING OBJECT HAZARD	1
17	2-1291	DECAL / ALWAYS USE THE SEAT BELT	1
18	2-1292	DECAL / READ THE OPERATORS MANUAL	1
19	2-1293	DECAL / BURN HAZARD	3
20	2-1294	DECAL / CRUSH HAZARD-PINCH POINT	11
21	2-1295	DECAL / OVERTURNING HAZARD	1
22	2-1296	DECAL / OVERTURNING HAZARD-SWAY	1
23	2-1298	DECAL / OVERHEAD CRUSH HAZARD	1
24	2-1299	DECAL / CRUSH HAZARD-PARKING BRAKE	1
25	2-1300	DECAL / CRUSH HAZARD-NO RIDERS	1
26	2-1301	DECAL / ELECTRICAL HAZARD	1
27	2-1302	DECAL / NOT A MAN-LIFT	2
28	2-1303	DECAL / EXPLOSION-BURN HAZARD-FLUIDS	2
29	2-1304	DECAL / EXPLOSION-BURN HAZARD-ACID	1
30	4-1579-15	DECAL / PARKING BRAKE CAUTION	1
31	7-349-01	DECAL / TEREX CROWN / SMALL	2
32	7-349-02	DECAL / TEREX CROWN / MEDIUM	2
33	7-349-03	DECAL / TEREX CROWN / LARGE	2
34	3-1228-2	DECAL / BRAKE ON	1
35	3-1228-7	DECAL / BRAKE OFF	1
36	4-2111-2	DECAL / TEREX / MEDIUM	2
37	1-1285	DECAL / CHEVRON TRANSMISSION OIL	1
38	1-1286	DECAL / CHEVRON HYDRAULIC OIL	1
39	1-1287	DECAL / DAILY CHECK LIST	1
40	2-1223-1	DECAL / TECHNICAL SUPPORT	1
41	2-1268-1	DECAL / DASH GANG SWITCHES	1
42	2-1269-1	DECAL / SWAY CONTROL / DASH	1
43	2-1270-1	DECAL / PUMP OFF / DASH	1
44	2-1271-1	DECAL / BRAKE ON / DASH	1
45	7-900-144	DECAL KIT (ITEMS 1 THRU 44)	REF

PAGE NUMBER 5

GENERAL ASSEMBLY
TH528C

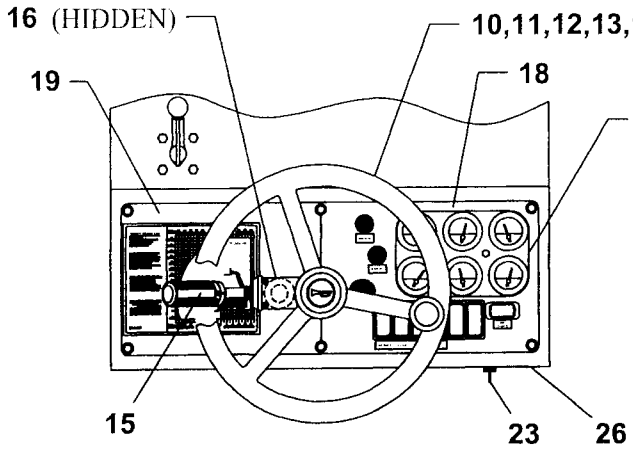
DRAWING NUMBER P1-1732



ITEM	NUMBER	DESCRIPTION	REQD
1	4-2283	MAIN FRAME WELDMENT	1
2	7-114-04	CANOPY ASSEMBLY	1
3	4-2158	REAR PANEL	1
4	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	2
5	6-6211-06	LOCKWASHER 3/8	2
6	6-6212-06	FLATWASHER 3/8	2
7	7-166-03	TIRE & WHEEL ASSY / RH	2
8	7-316-332	CYLINDER / LIFT	2
9	7-316-328	CYLINDER / BOOM	1
10	7-316-329	CYLINDER / TILT	1
11	7-316-330	CYLINDER / SLAVE	1
12	7-316-331	CYLINDER / SWAY	1
13	3-1363	PIN / HEAD LIFT CYLINDER	1
14	6-2420-10	COLLAR / HEAD LIFT CYLINDER	2
15	6-3312-87	PIN / BASE LIFT & SLAVE CYLINDER	3
16	6-3012-03	PIN / BASE BOOM CYLINDER	1
17	6-3016-02	PIN / HEAD TILT CYLINDER	1
18	6-3316-108	PIN / BASE TILT & HEAD BOOM CYL.	1
19	3-1389	PIN / HEAD SWAY CYLINDER	1
20	6-3312-81	PIN / BASE SWAY CYLINDER	1
21	2-1195	PIN / HEAD SLAVE CYLINDER	1
22	3-1361	PIN / QUICK ATTACH MOUNTING FRAME	1
23	3-1335	LOCK PIN / QUICK ATTACH	1
24	6-5208-36	CAPSCREW 1/2 NC x 4 1/2 LG.	2
25	6-6201-08	HEX NUT 1/2 NC	5
26	6-6211-08	LOCKWASHER 1/2	5
27	6-5208-30	CAPSCREW 1/2 NC x 3 3/4 LG.	1
28	6-5208-34	CAPSCREW 1/2 NC x 4 1/4 LG.	2
29	6-6201-06	HEX NUT 3/8 NC	6
30	6-6211-06	LOCKWASHER 3/8	6
31	6-5206-24	CAPSCREW 3/8 NC x 3 LG.	4
32	6-5206-28	CAPSCREW 3/8 NC x 3 1/2 LG.	2
33	7-333-01	MIRROR / CONVEX	1
34	6-5216-48	CAPSCREW 1 NC x 6 LG.	2
35	6-6205-16	SELF LOCKING NUT 1 NC	4
36	1-1532	WASHER / CAB RUBBER MOUNT	4
37	7-165-01	RUBBER MOUNT / CAB	4
38	6-6201-08	HEX NUT 1/2 NC	1
39	4-1825	MOUNTING FRAME / QUICK ATTACH	1
40	2-1178	LOCK LEVER / for LOCK PIN	1
41	1-1182	SPACER BUSHING / LOCK LEVER	1
42	7-194-52	SPRING / LOCK LEVER	1
43	6-5312-20	CAPSCREW 3/4 NF x 2 1/2 LG.	1
44	6-6206-12	SELF LOCKING NUT 3/4 NF	1
45	4-1686	FORK FRAME / 48 IN.	1
46	3-1391-10	FORK TINE / 48 IN.	2
47	2-1067-10	FORK TINE PIN / 48 IN.	1
48	1-1074	COLLAR / FORK TINE PIN	1
49	6-5208-36	CAPSCREW 1/2 NC x 4 1/2 LG.	1
50	6-6211-08	LOCKWASHER 1/2	1
51	7-166-04	TIRE / WHEEL ASSEMBLY / LH	2
52	6-4516-16	BRONZE BUSHING / AXLE SWAY	REF

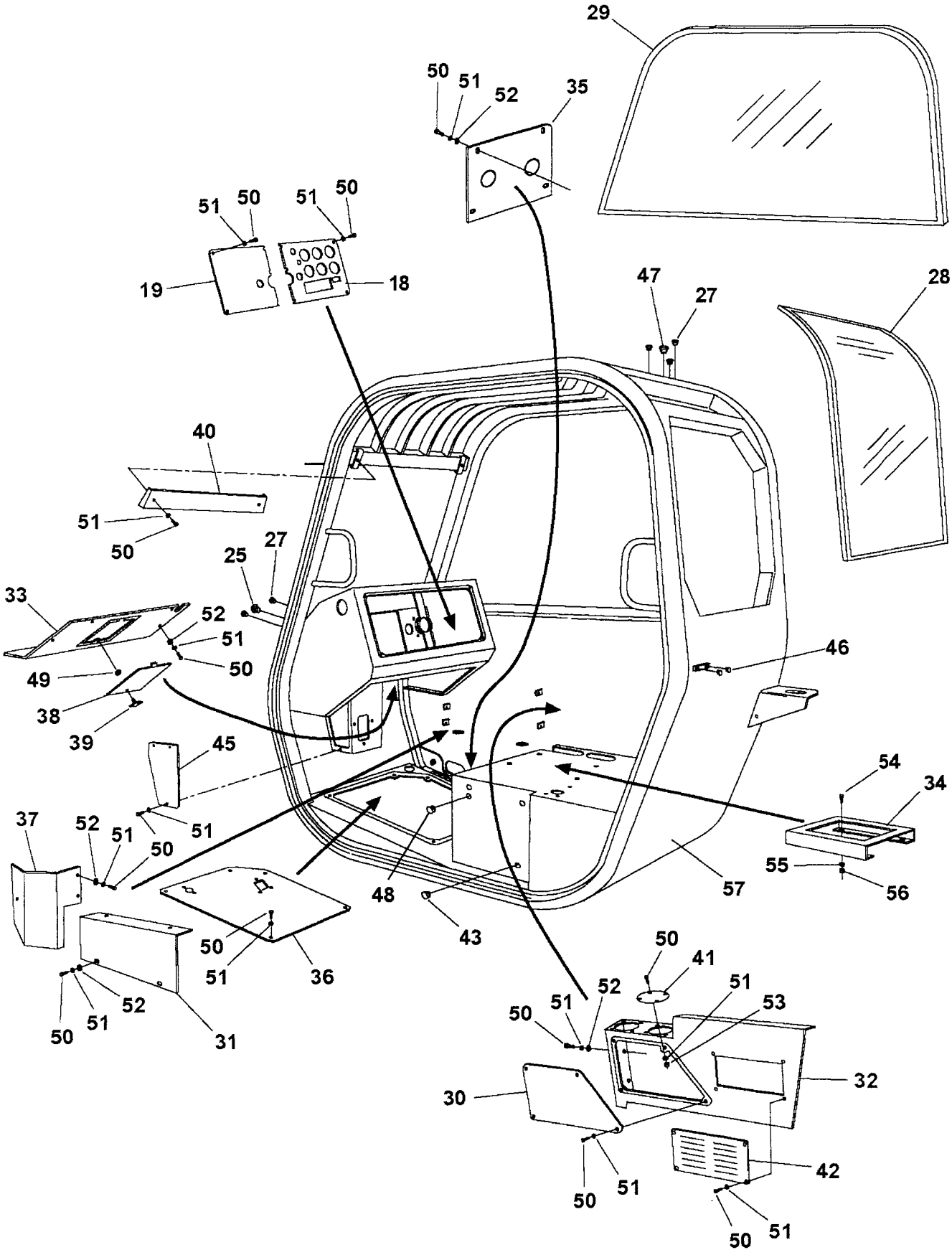
ITEM	NUMBER	DESCRIPTION	REQD
53	3-1435	SWAY MOUNT / 212 AXLE	1
54	1-1239	BASE PLATE / SWAY MOUNT	1
55	6-5312-68	CAPSCREW 3/4 NF x 8 1/2 LG.	4
56	6-6211-12	LOCKWASHER 3/4	4
57	6-6202-12	HEX NUT 3/4 NF	4
58	7-319-17	GROUND STRAP / CAB	1
59	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	1
60	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	1
61	6-6211-06	LOCKWASHER 3/8	2
62	6-6201-06	HEX NUT 3/8 NC	2
63	6-5216-44	CAPSCREW 1 NC x 5 1/2 LG.	2
64	1-1530	SPACER / CAB RUBBER MOUNT	2

NOTES



VIEW A-A

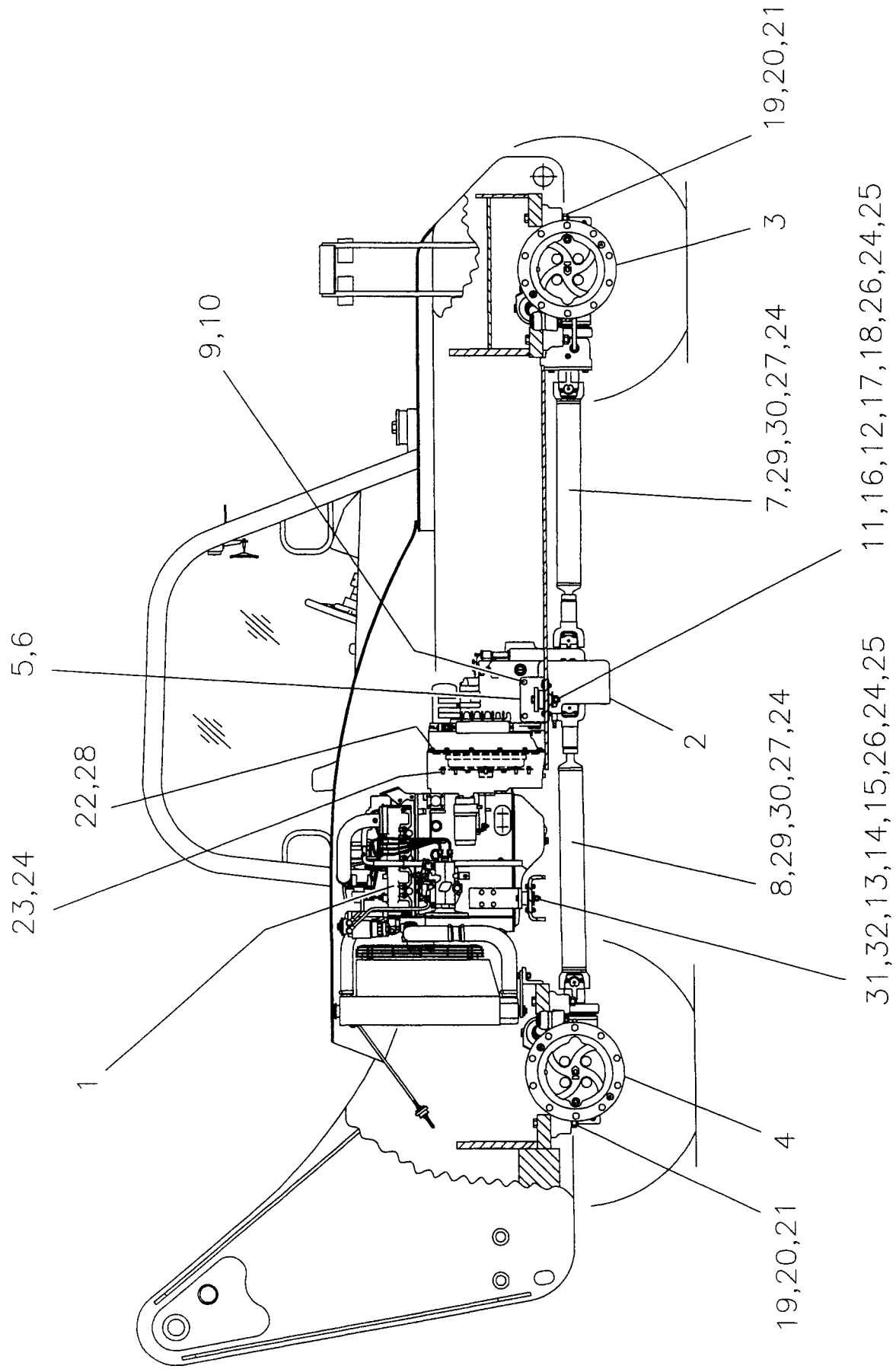
FOR ADDITIONAL CAB INFORMATION SEE OPTIONS SECTION



DRAWING NUMBER P1-1691	OPERATOR'S COMPARTMENT ASSEMBLY TH528C	PAGE NUMBER 6A

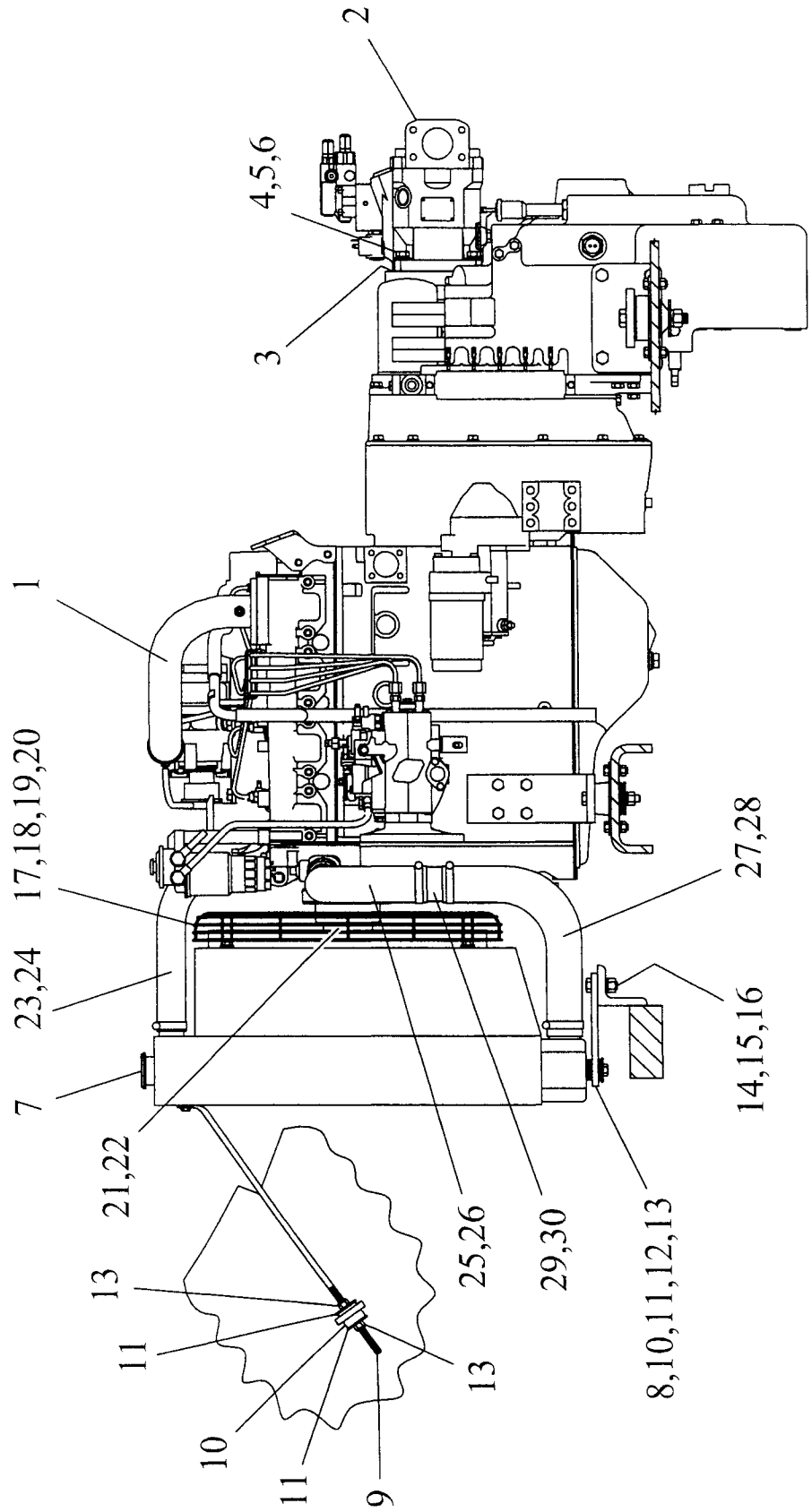
ITEM	NUMBER	DESCRIPTION	REQD
1	7-197-01	SEAT	1
2	6-6211-05	LOCKWASHER 5/16	4
3	6-6201-05	HEX NUT 5/16 NC	4
4	7-337-01	SEAT BELT	1
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
6	6-6212-05	FLATWASHER 5/16	2
7	6-6211-05	LOCKWASHER 5/16	2
8	6-6201-05	HEX NUT 5/16 NC	2
9	7-104-01	LEVEL GAGE	1
10	7-147-01	STEERING ORBITRAL	REF
11	7-147-40	STEERING WHEEL	1
12	7-147-41	HORN BUTTON KIT	1
13	7-147-04	NUT / STEERING WHEEL (w/ ITEM 14)	REF
14	7-147-05	COLUMN / STEERING	1
15	7-125-05	TRANSMISSION COLUMN SHIFT CONTROL	1
16	7-194-40	GROMMET / TRANS. SHIFTER HARNESS	1
17	7-153-01	ARM REST PAD	1
18	7-114-28	DASH PANEL / RH SIDE	REF
19	7-114-27	DASH PANEL / LH SIDE	REF
20	7-154-01	MIRROR / INTERIOR	1
21	6-6284-05	MACHINE SCREW #10-24 x 3/4 LG.	2
22	6-6286-07	LOCKWASHER #10	2
23	7-146-01	SWITCH / IGNITION / KEY	REF
24	7-144-02	HOLE PLUG / 5/8 / ETHER BUTTON	1
25	7-114-32	HOLE PLUG / 13/16 / WIPER SHAFT	REF
26	7-144-10	HOLE PLUG / 1 3/16 / 12V ACC. PLUG	1
27	7-114-35	HOLE PLUG / 5/16 / WIPER & STROBE	REF
28	7-114-21	GLASS / REAR WINDOW / TINTED	REF
29	7-114-22	GLASS / RH SOLID / TINTED	REF
30	7-114-12	ACCESS PANEL / JOYSTICK	REF
31	7-114-17	COVER / LOWER HOSE	REF
32	7-114-16	MOUNT / JOYSTICK & ARMREST	REF
33	7-114-11	COVER / LOWER DASH	REF
34	7-114-20	SEAT RISER	REF
35	7-114-07	COVER / SEAT BOX	REF
36	7-114-06	COVER / FOOT PEDAL	REF
37	7-114-18	COVER / CORNER / HOSE	REF
38	7-114-09	COVER / FUSE PANEL	REF
39	7-114-13	WING THUMB SCREW	REF
40	7-114-19	MOUNT / FAN & MIRROR	REF
41	7-114-26	COVER / JOYSTICK CUT-OUT	REF
42	7-114-23	GRILL / HEATER INTAKE	REF
43	7-114-33	HOLE PLUG / DOOR COLUMN	REF
44	7-144-02	PLUG / LIFTING HOOK (NOT SHOWN)	REF
45	7-114-08	BRAKE ACCESS PANEL	REF
46	7-114-31	HOLE PLUG / 3/8 / DOOR HOLD BACK	REF
47	7-114-34	HOLE PLUG / 1/2 / STROBE LIGHT	REF
48	7-114-15	HOLE PLUG / DOOR RESTRAINT	REF
49	7-114-14	PUSH NUT / 1/4	REF
50	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	REF

ITEM	NUMBER	DESCRIPTION	REQD
51	6-6211-04	LOCKWASHER 1/4	REF
52	6-6212-04	FLATWASHER 1/4	REF
53	6-6201-04	HEX NUT 1/4 NC	REF
54	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	REF
55	6-6211-05	LOCKWASHER 5/16	REF
56	6-6201-05	HEX NUT 5/16 NC	REF
57	7-114-05	CAB WELDMENT	REF



7	PAGE NUMBER	POWER TRAIN ASSEMBLY TH528C	DRAWING NUMBER	P1-1628

ITEM	NUMBER	DESCRIPTION	REQD
1	P1-1635	ENGINE and PUMP ASSEMBLY	REF
2	7-126-686	TRANSMISSION ASSEMBLY	1
3	7-229-377	AXLE ASSEMBLY / FRONT	1
4	7-229-378	AXLE ASSEMBLY / REAR	1
5	3-1360-1	MOUNT / TRANSMISSION / LH	1
6	3-1360-2	MOUNT / TRANSMISSION / RH	1
7	7-229-892	DRIVESHAFT / FRONT	1
8	7-229-894	DRIVESHAFT / REAR	1
9	6-8112-35	CAPSCREW 12mm x 1.75 x 35mm LG.	5
10	6-9111-12	LOCKWASHER 12mm	5
11	7-326-02	RUBBER MOUNT / TRANSMISSION	2
12	6-5310-30	CAPSCREW 5/8 NF x 3 3/4 LG.	2
13	6-5207-26	CAPSCREW 7/16 NC x 3 1/4 LG.	2
14	6-6211-07	LOCKWASHER 7/16	2
15	6-6201-07	HEX NUT 7/16 NC	2
16	6-6212-10	FLATWASHER 5/8	2
17	6-6211-10	LOCKWASHER 5/8	2
18	6-6202-10	HEX NUT 5/8 NF	2
19	6-5312-48	CAPSCREW 3/4 NF x 6 LG.	8
20	6-6211-12	LOCKWASHER 3/4	8
21	6-6202-12	HEX NUT 3/4 NF	8
22	6-8510-40	CAPSCREW 10mm x 1.5 x 40mm LG.	11
23	6-5306-14	CAPSCREW 3/8 NF x 1 3/4 LG.	8
24	6-6211-06	LOCKWASHER 3/8	24
25	6-6201-06	HEX NUT 3/8 NC	8
26	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	8
27	6-5306-14	CAPSCREW 3/8 NF x 1 3/4 LG.	8
28	6-9111-10	LOCKWASHER 10mm	11
29	7-229-895	STRAP / DRIVESHAFT U-JOINT	4
30	7-229-896	FLANGE 12-PT. SCREW 3/8 x 3/4 LG.	8
31	7-326-04	RUBBER MOUNT / ENGINE	2
32	7-326-05	WASHER / ENGINE RUBBER MOUNT	2



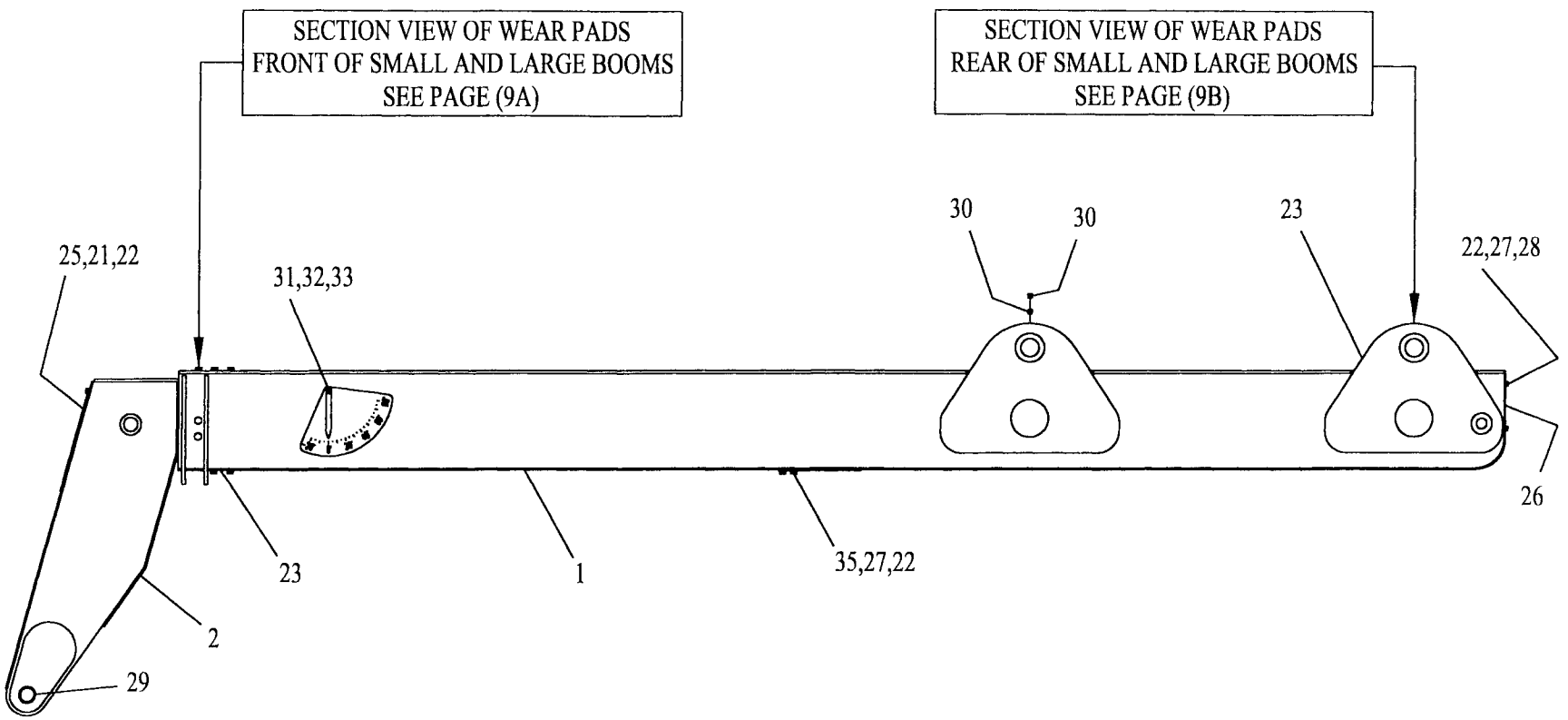
8	PAGE NUMBER	ENGINE & PUMP ASSEMBLY TH528C	DRAWING NUMBER	P1-1635

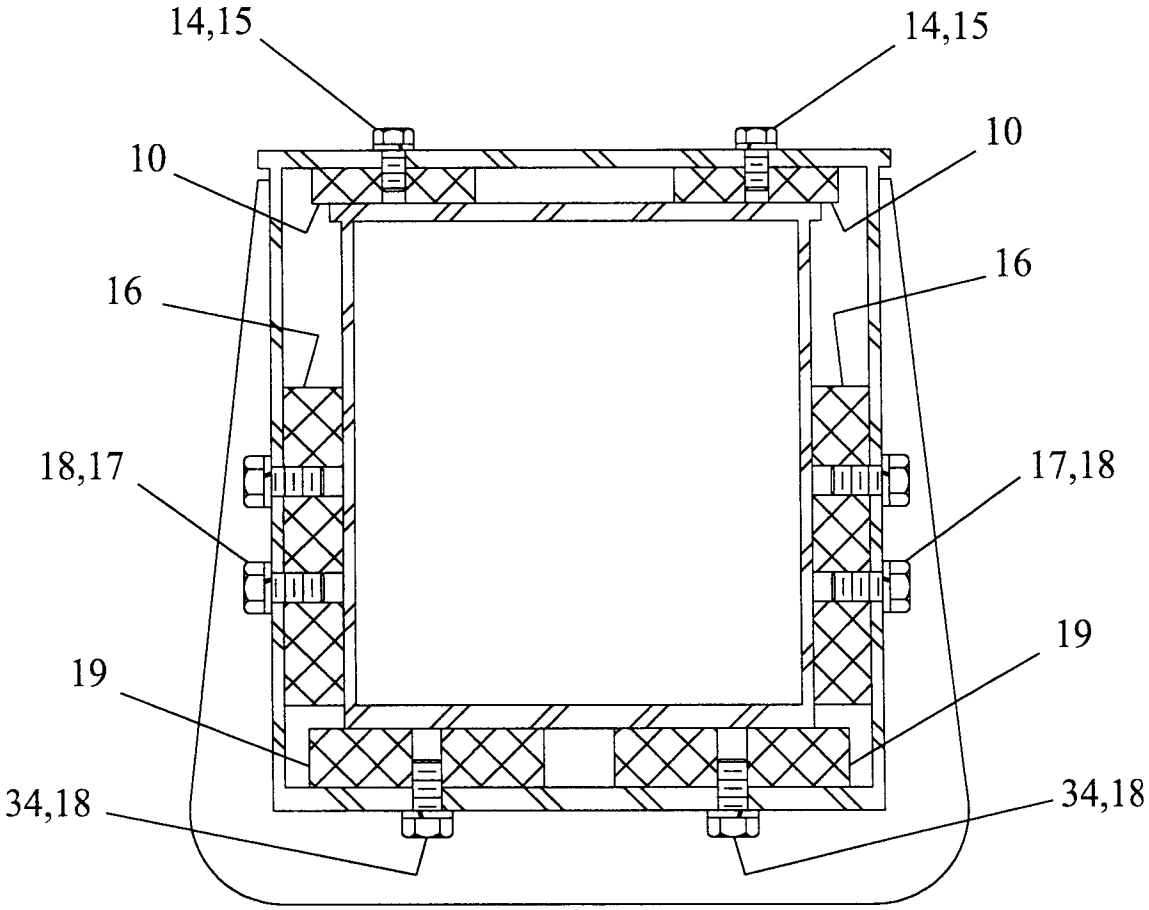
ITEM	NUMBER	DESCRIPTION	REQD
1	7-343-95	ENGINE ASSY / CUMMINS B3.3 TURBO	1
2	7-345-113	PUMP / PISTON TYPE / 55cc	1
3	7-126-517	GASKET / PUMP DRIVE	1
4	6-5208-20	CAPSCREW 1/2 NC x 2 1/2 LG.	4
5	6-6211-08	LOCKWASHER 1/2	4
6	6-6212-08	FLATWASHER 1/2	4
7	7-343-107	RADIATOR w/ SHROUD	1
8	2-1281	MOUNT / RADIATOR	2
9	3-1399-10	ADJUSTING ROD / UPPER RADIATOR MT.	1
10	7-190-04	RUBBER MOUNT / CENTER BONDED	3
11	7-190-02	WASHER / CENTER BONDED RUBBER MT.	4
12	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	2
13	6-6205-06	SELF LOCKING NUT 3/8 NC	4
14	6-5208-12	CAPSCREW 1/2 NC x 1 1/2 LG.	2
15	6-6211-08	LOCKWASHER 1/2	2
16	6-6201-08	HEX NUT 1/2 NC	2
17	4-1685	FAN GUARD / 18 IN. FAN	1
18	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	4
19	6-6211-05	LOCKWASHER 5/16	4
20	6-6212-06	FLATWASHER 3/8	4
21	7-343-106	FAN / BLOWER / 18 IN.	REF
22	7-343-103	SPACER / FAN / 7/8 IN.	REF
23	7-343-110	RADIATOR HOSE / UPPER	1
24	6-6252-07	CLAMP / RADIATOR HOSE / #24	2
25	7-343-109	RADIATOR HOSE / LOWER / ENG. SIDE	1
26	6-6252-08	CLAMP / RADIATOR HOSE / #28	2
27	7-343-108	RADIATOR HOSE / LOWER / RAD. SIDE	1
28	6-6252-09	CLAMP / RADIATOR HOSE / #32	2
29	7-343-111	ADAPTOR TUBE	1
30	7-343-112	RUBBER SLEEVE	1

PAGE NUMBER 9

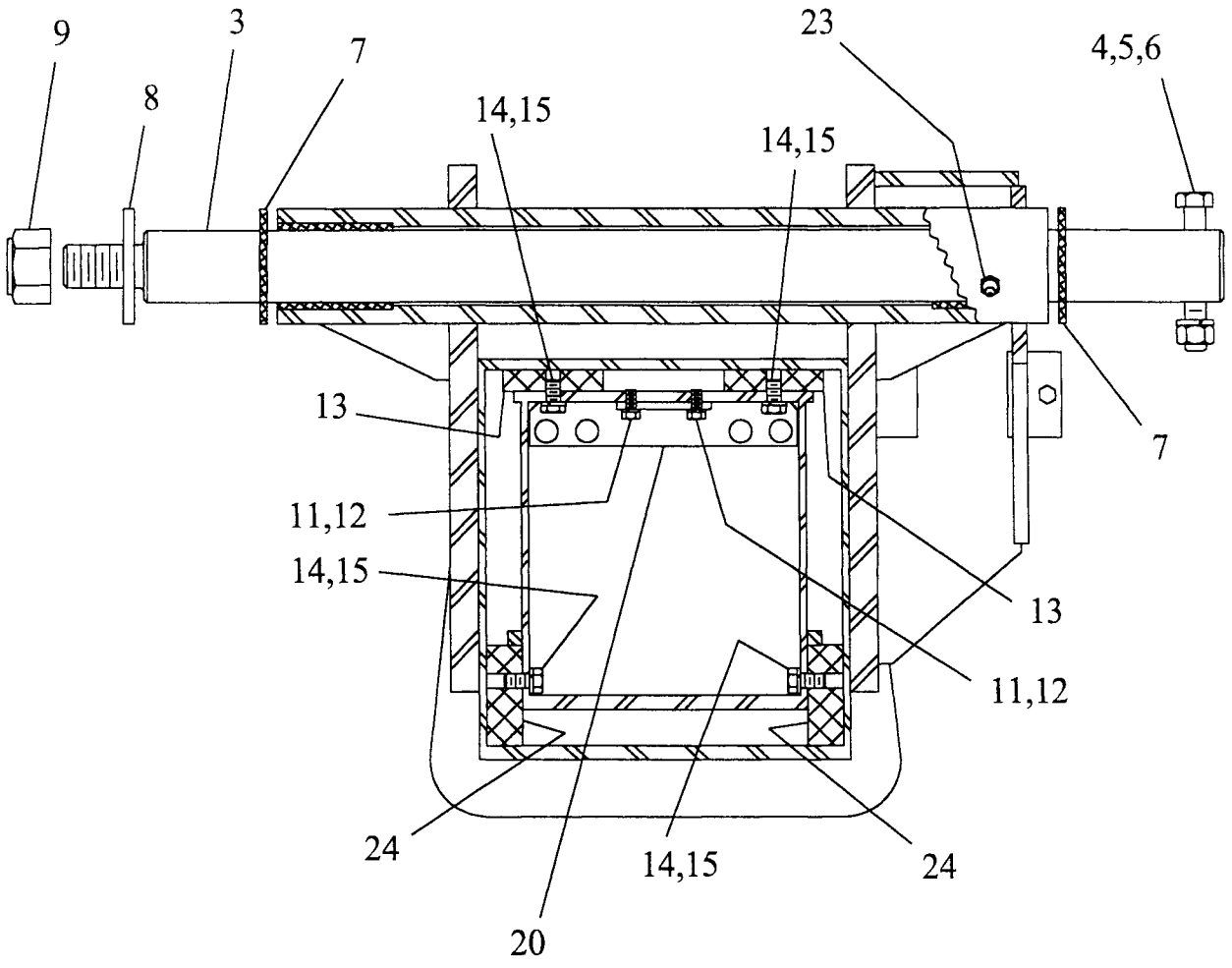
BOOM ASSEMBLY TH528C

DRAWING NUMBER P1-1359



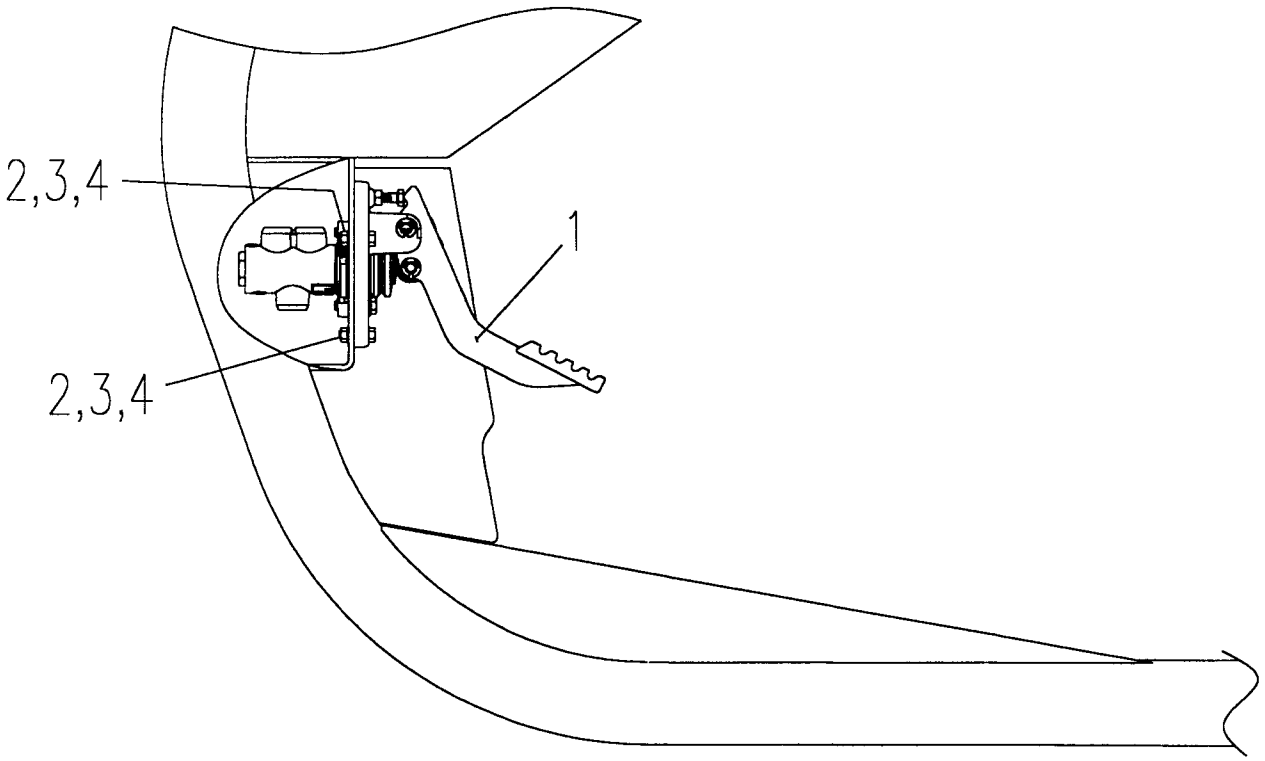


SECTION VIEW OF WEAR PADS FRONT OF SMALL AND LARGE BOOMS

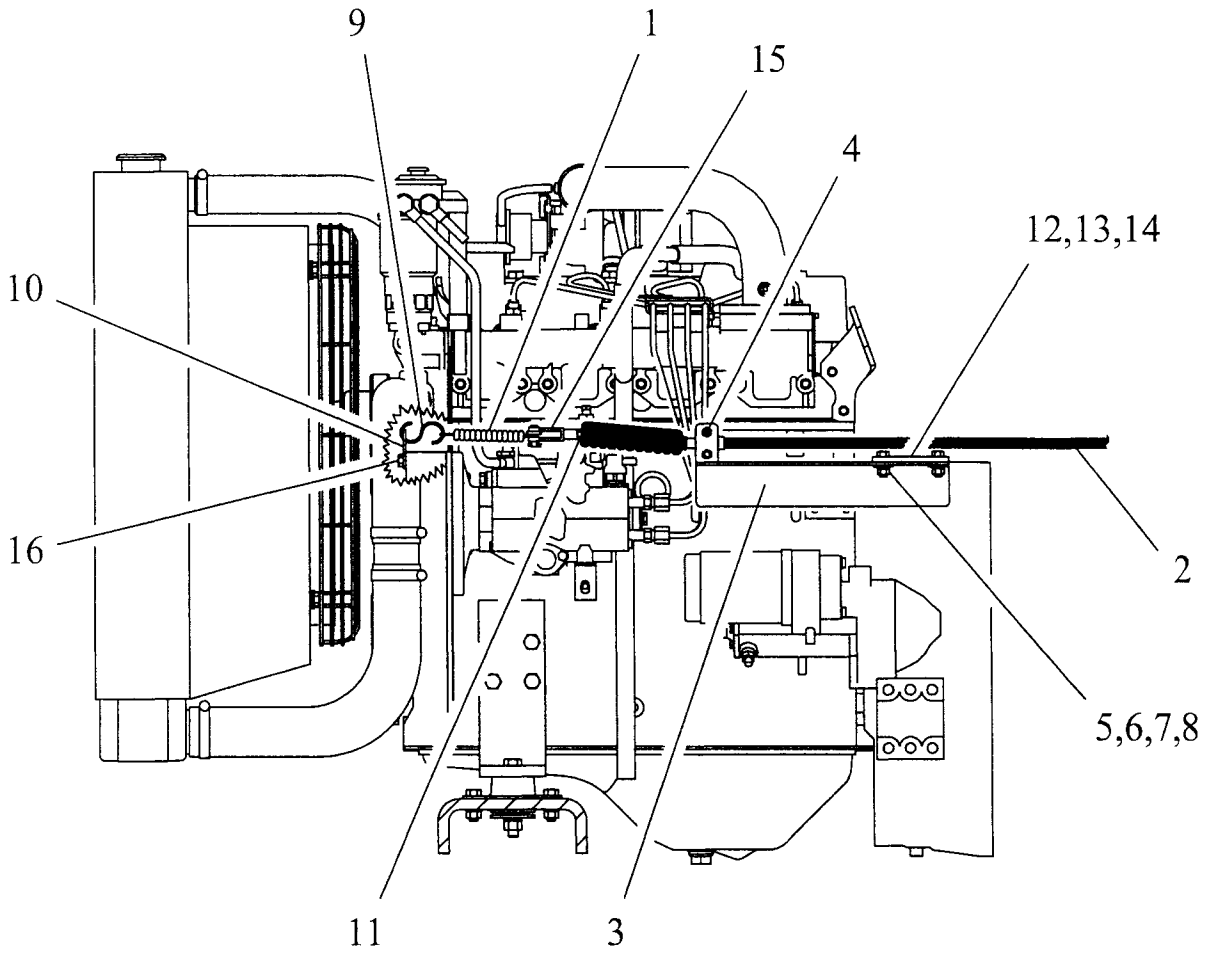


SECTION VIEW OF WEAR PADS AND PIVOT PIN REAR OF SMALL AND LARGE BOOMS

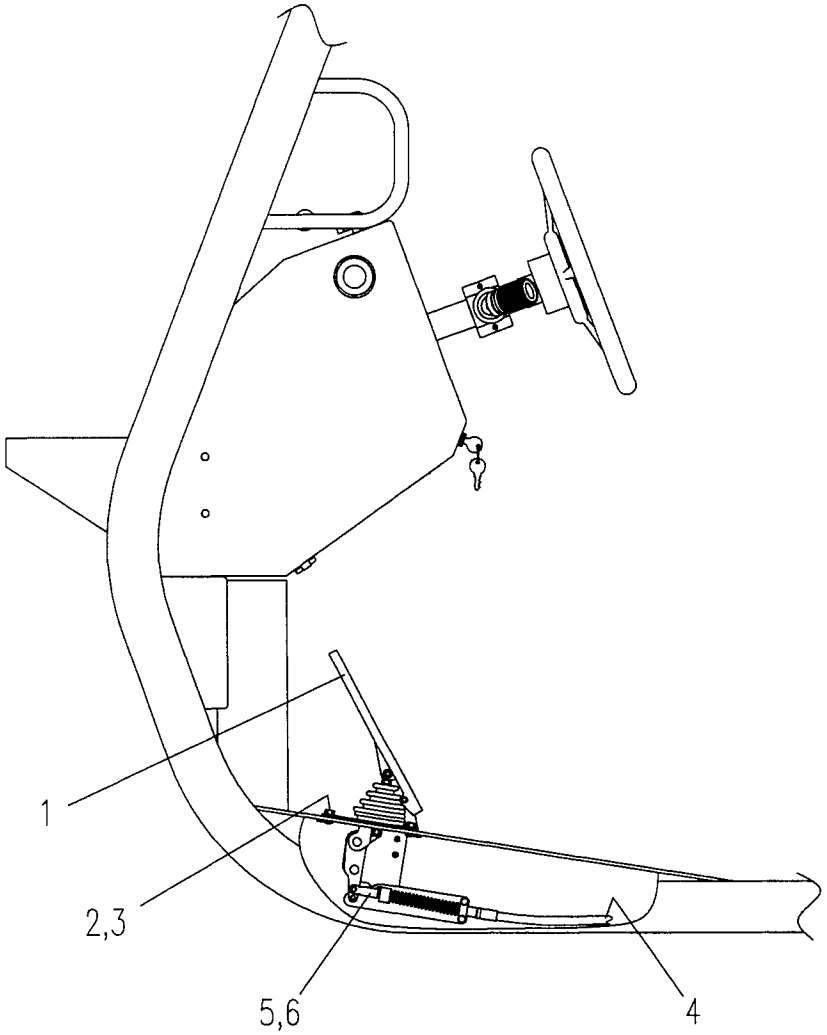
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2160	LARGE BOOM	1
2	4-2159	SMALL BOOM	1
3	3-1154-6	CROSS SHAFT / MAIN PIVOT	1
4	6-5312-40	CAPSCREW 3/4 NF x 5 LG.	1
5	6-6202-12	HEX NUT 3/4 NF	1
6	6-6211-12	LOCKWASHER 3/4	1
7	6-6600-13	THRUSTWASHER 4.00 x 2.50 x .250	2
8	1-1306	WASHER / STEEL	1
9	6-6206-24	SELF LOCKING NUT 1 1/2 NF	1
10	2-1227	WEAR PAD / TOP / LG. BOOM / PLASTIC	2
11	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	REF
12	6-6211-06	LOCKWASHER 3/8	REF
13	2-1191	WEAR PAD / TOP / SM. BOOM / BRASS	2
14	6-5208-08	CAPSCREW 1/2 NC x 1 LG.	18
15	6-6211-08	LOCKWASHER 1/2	18
16	2-1226	WEAR PAD / SIDES / LARGE BOOM / PLASTIC	2
17	6-5210-10	CAPSCREW 5/8 NC x 1 1/4 LG.	4
18	6-6211-10	LOCKWASHER 5/8	10
19	2-1190	WEAR PAD / BOTTOM / LARGE BOOM / BRASS	2
20	2-1248	MOUNT / BULKHEAD	REF
21	6-5206-04	CAPSCREW 3/8 NC x 1/2 LG.	1
22	6-6211-06	LOCKWASHER 3/8	7
23	6-6301	LUBE FITTING 1/8 NPT STR.	6
24	2-1228	WEAR PAD / REAR SIDES / SMALL BOOM	2
25	3-1359	ACCESS COVER / TILT VALVE	1
26	3-1366	ACCESS COVER / REAR / LARGE BOOM	1
27	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	6
28	6-6212-06	FLATWASHER 3/8	4
29	7-296-03	TENSION BUSHING (2 REQ.)	REF
30	6-6275-07	SET SCREW 5/8 NC x 5/8 LG.	2
31	1-1217	POINTER / BOOM ANGLE	1
32	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	1
33	6-6201-04	HEX NUT 1/4 NC	1
34	6-5210-12	CAPSCREW 5/8 NC x 1 1/2 LG.	6
35	2-1250	COVER / AUXILIARY MANIFOLD BLOCK	1



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

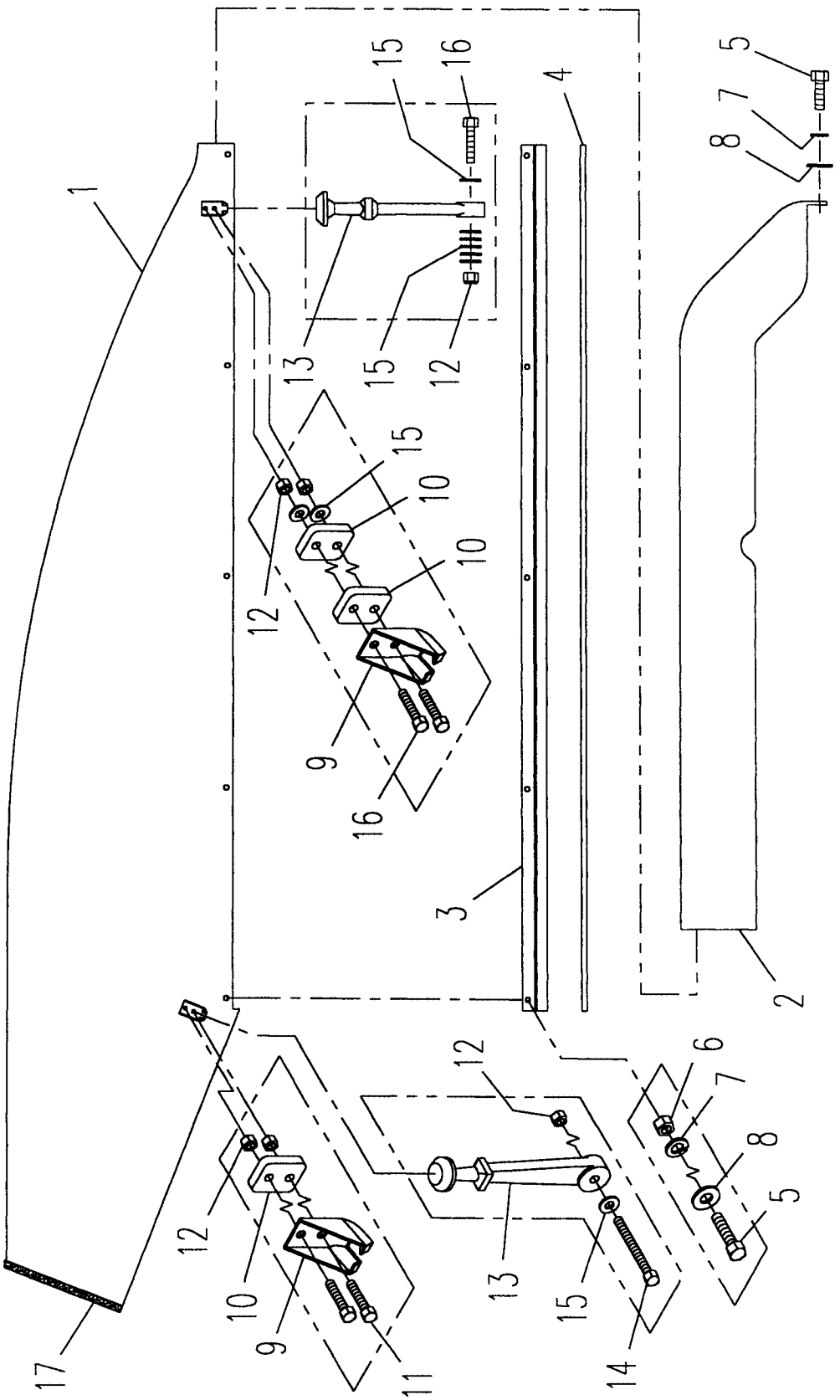


ITEM	NUMBER	DESCRIPTION	REQD
1	7-194-20	SPRING / RETURN	1
2	7-266-02	CABLE / ACCELERATOR	REF
3	3-1507	MOUNT / ACCELERATOR CABLE	1
4	7-194-07	U-BOLT w/ NUTS	1
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
6	6-6212-05	FLATWASHER 5/16	2
7	6-6211-05	LOCKWASHER 5/16	2
8	6-6201-05	HEX NUT 5/16 NC	2
9	7-194-18	S-HOOK	1
10	1-1808	MOUNT / RETURN SPRING	1
11	6-6208-04	JAM NUT 1/4-28 (w/ CABLE)	REF
12	3-1365	MOUNT / OIL COOLER	REF
13	6-8510-25	CAPSCREW 10mm x 1.5 x 25mm LG.	4
14	6-9111-10	LOCKWASHER 10mm	4
15	7-194-05	YOKE w/ CLEVIS PIN & COTTER PIN	1
16	6-8108-65	CAPSCREW 8mm x 1.25 x 65mm LG.	REF



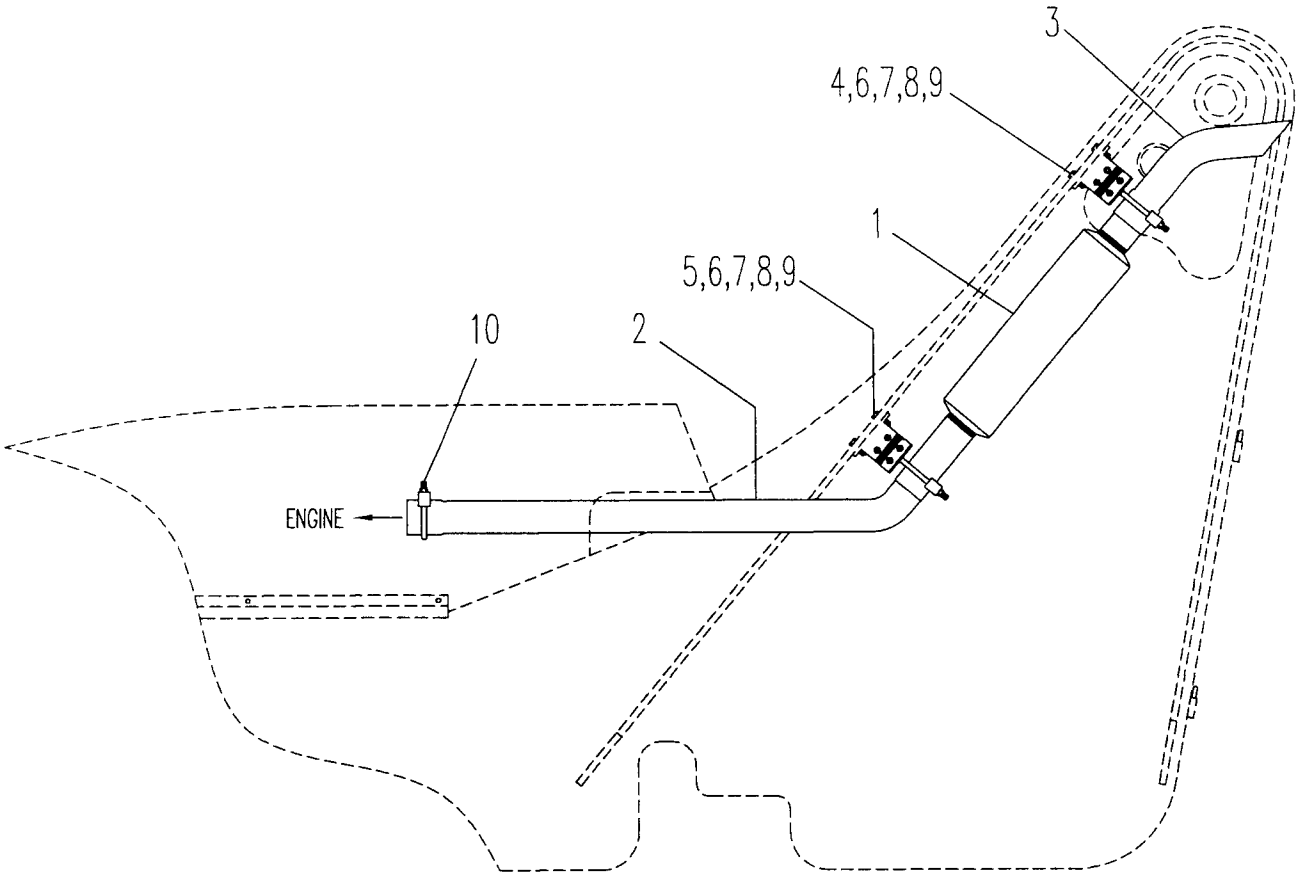
ITEM	NUMBER	DESCRIPTION	REQD
1	7-120-11	PEDAL / ACCELERATOR	1
2	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	3
3	6-6211-04	LOCKWASHER 1/4	3
4	7-266-02	CABLE / ACCELERATOR	1
5	7-194-05	YOKE w/ CLEVIS PIN & COTTER PIN	1
6	6-6208-04	JAM NUT 1/4-28 (w/ CABLE)	REF

NOTES

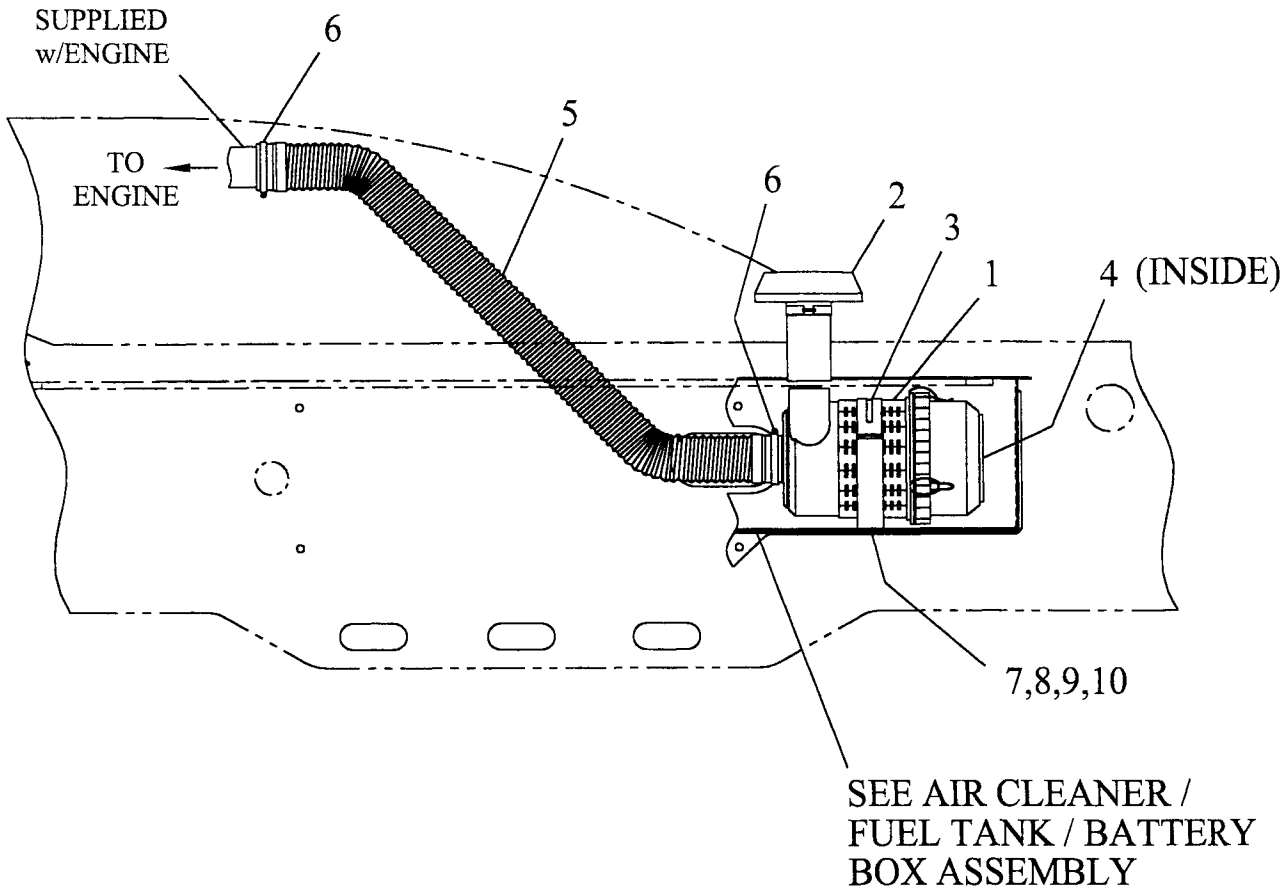


13 PAGE NUMBER	ENGINE ENCLOSURE ASSEMBLY TH528C	DRAWING NUMBER	P1-1363

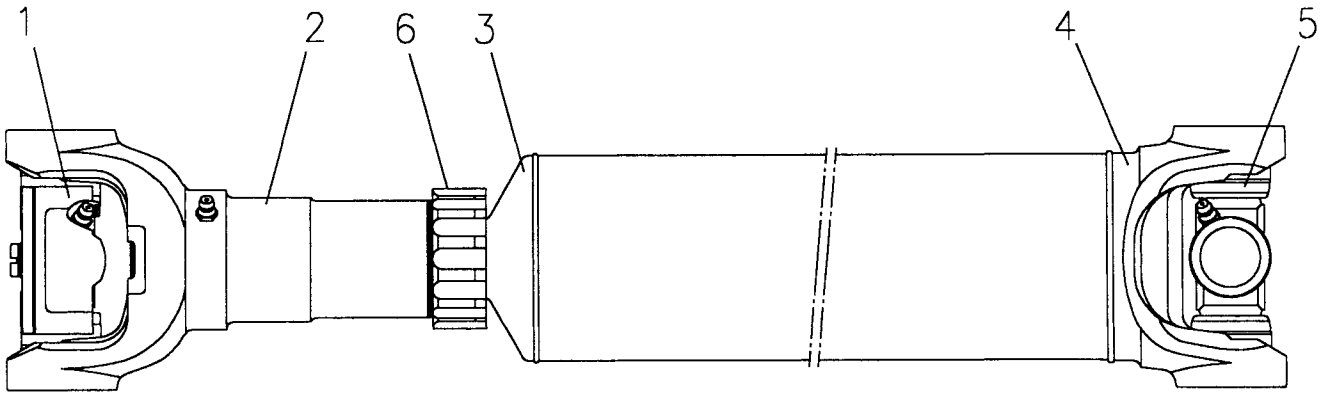
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2194	ENGINE ENCLOSURE / REAR	1
2	4-1827	ENGINE ENCLOSURE / FRONT	1
3	2-1194	SLIDE / REAR HOUSING	2
4	7-194-59	WEAR STRIP	2
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	13
6	6-6201-05	HEX NUT 5/16 NC	10
7	6-6211-05	LOCKWASHER 5/16	13
8	6-6212-05	FLATWASHER 5/16	13
9	7-360-01	PLASTIC HOLDER	3
10	1-1214	SPACER / BACKER TAB	4
11	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	4
12	6-6205-04	SELF LOCKING NUT 1/4 NC	9
13	7-360-02	LATCH / RUBBER	3
14	6-5204-16	CAPSCREW 1/4 NC x 2 LG.	2
15	6-6212-04	FLATWASHER 1/4	10
16	6-5204-10	CAPSCREW 1/4 NC x 1 1/4 LG.	3
17	6-9601-320	EDGING 1/4 x 40 LG.	1



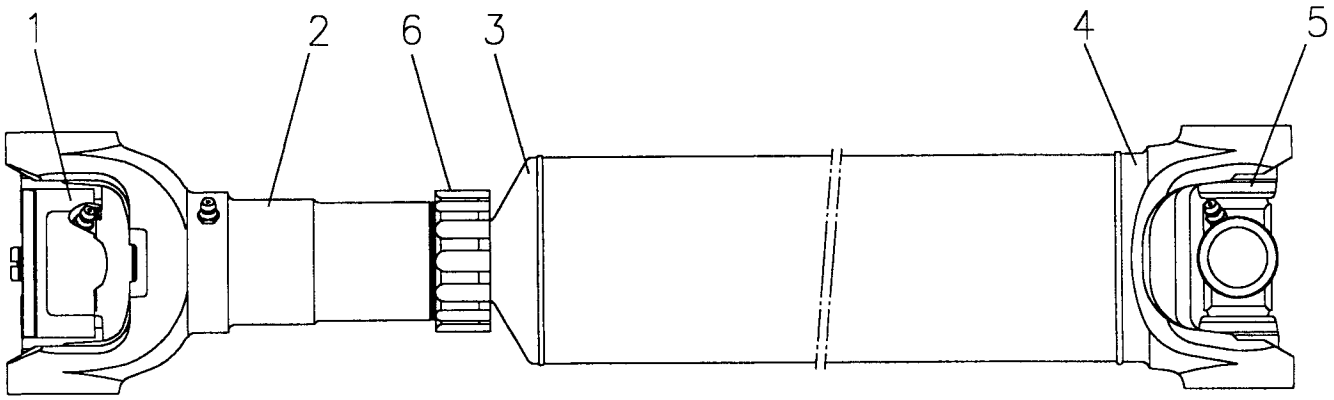
ITEM	NUMBER	DESCRIPTION	REQD
1	7-204-11	MUFFLER	1
2	4-2288	EXHAUST PIPE	1
3	2-1243	TAILPIPE	1
4	3-1447	EXHAUST BRACKET ASSY / 2 3/4 IN.	1
5	3-1432	EXHAUST BRACKET ASSY / 2 1/2 IN.	1
6	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	4
7	6-6212-06	FLATWASHER 3/8	4
8	6-6211-06	LOCKWASHER 3/8	4
9	6-6201-06	HEX NUT 3/8 NC	4
10	7-319-24	EXHAUST CLAMP / 2 3/4 IN.	1



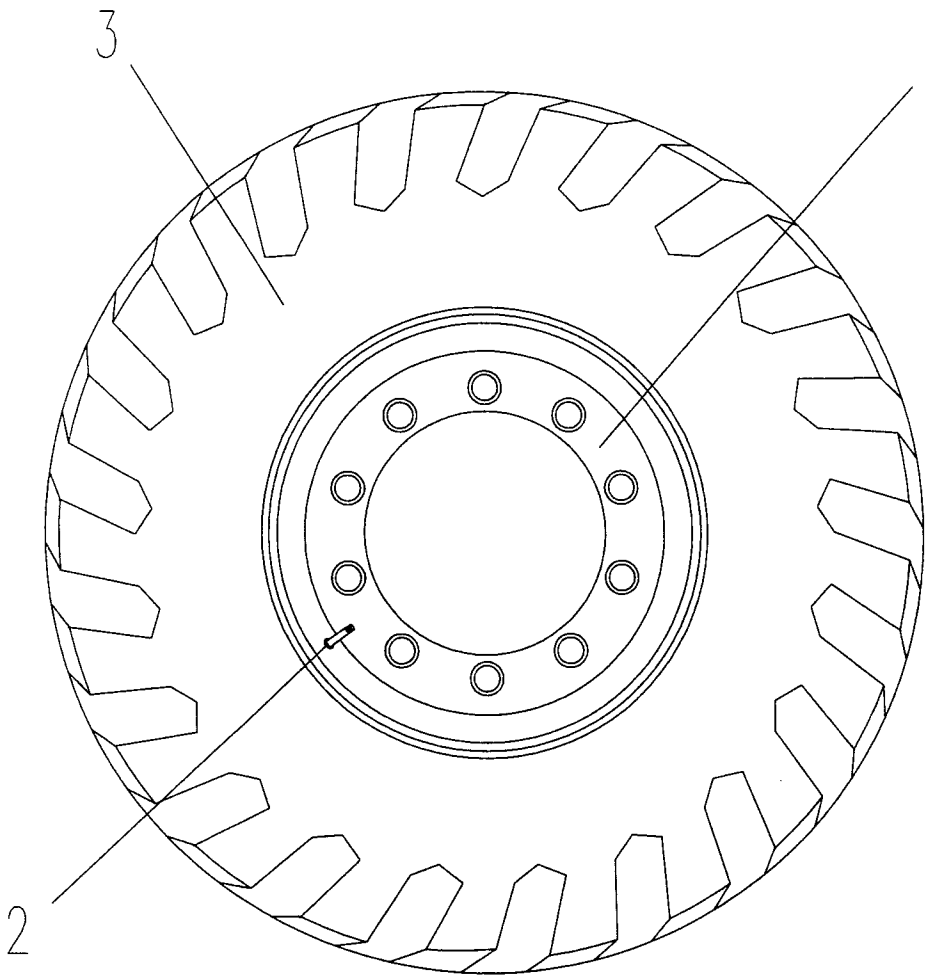
ITEM	NUMBER	DESCRIPTION	REQD
1	7-109-01	AIR CLEANER ASSEMBLY	1
2	7-109-02	HOOD / AIR CLEANER	1
3	7-109-03	MOUNTING BAND / AIR CLEANER	1
4	7-109-04	FILTER / PRIMARY	REF
5	7-109-06	ACCORDION HOSE / LONG	2
6	6-6252-13	CLAMP / WORM	2
7	6-5205-12	CAPSCREW 5/16 NC x 1 1/2 LG.	2
8	6-6212-05	FLATWASHER 5/16	4
9	6-6211-05	LOCKWASHER 5/16	2
10	6-6201-05	HEX NUT 5/16 NC	2



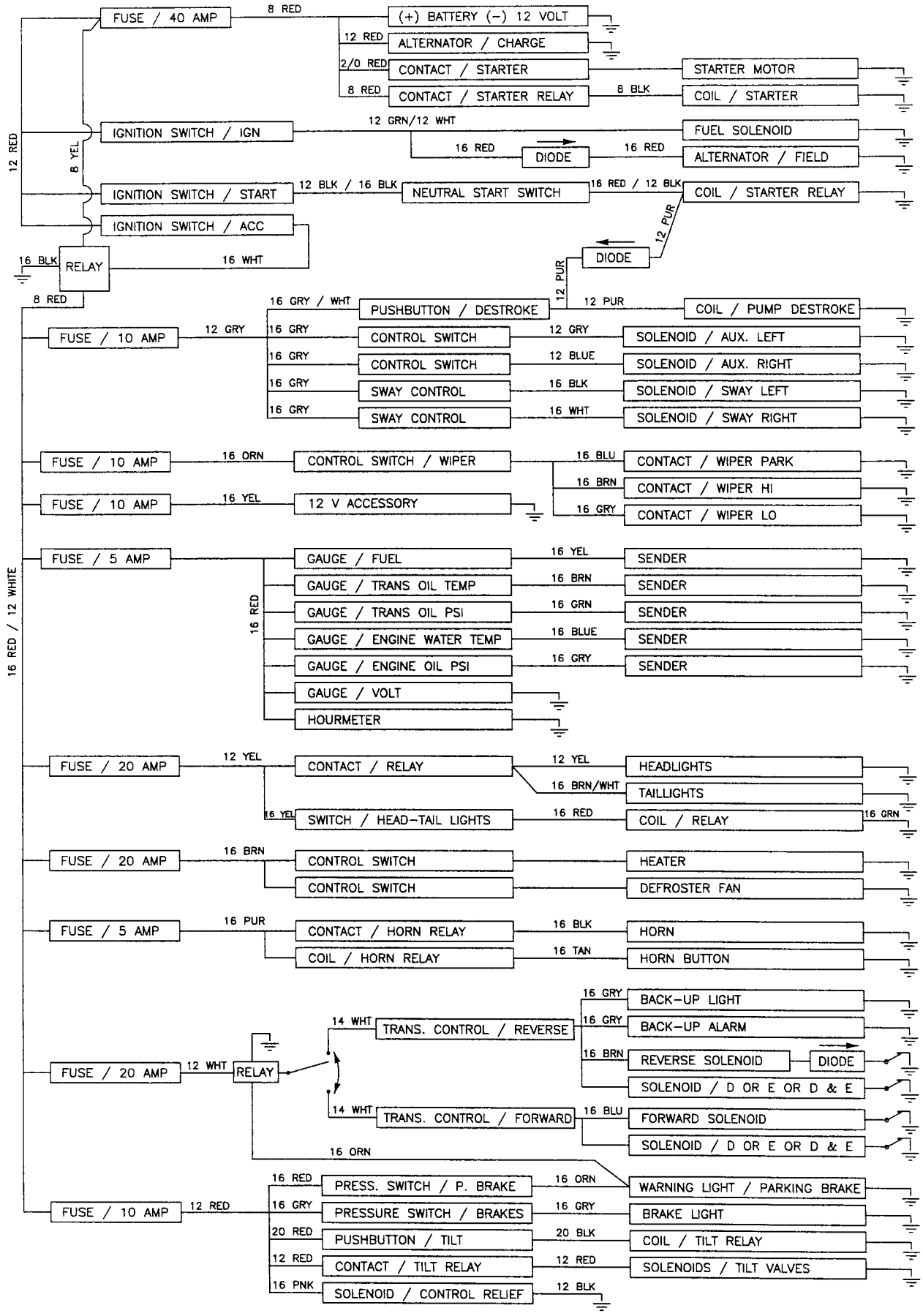
ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-897	CROSS & BEARING ASSEMBLY	1
2	7-229-898	SLIP YOKE	1
3	7-229-899	SLIP STUB	1
4	7-229-900	WELD YOKE	1
5	7-229-901	CROSS & BEARING ASSEMBLY	1
6	7-229-902	DUST CAP & SEAL KIT	1
7	7-229-892	DRIVESHAFT ASSY (INCL. ITEMS 1-6)	REF



ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-897	CROSS & BEARING ASSEMBLY	1
2	7-229-898	SLIP YOKE	1
3	7-229-899	SLIP STUB	1
4	7-229-900	WELD YOKE	1
5	7-229-901	CROSS & BEARING ASSEMBLY	1
6	7-229-902	DUST CAP & SEAL KIT	1
7	7-229-894	DRIVESHAFT ASSY (INCL. ITEMS 1-6)	REF



ITEM	NUMBER	DESCRIPTION	REQD
1	7-166-01	WHEEL	1
2	7-286-01	VALVE STEM / AIR-CHLORIDE-FOAM	1
3	7-166-02	TIRE	1
4	7-166-03	TIRE & WHEEL ASSY / RH	REF
5	7-166-04	TIRE & WHEEL ASSY / LH	REF

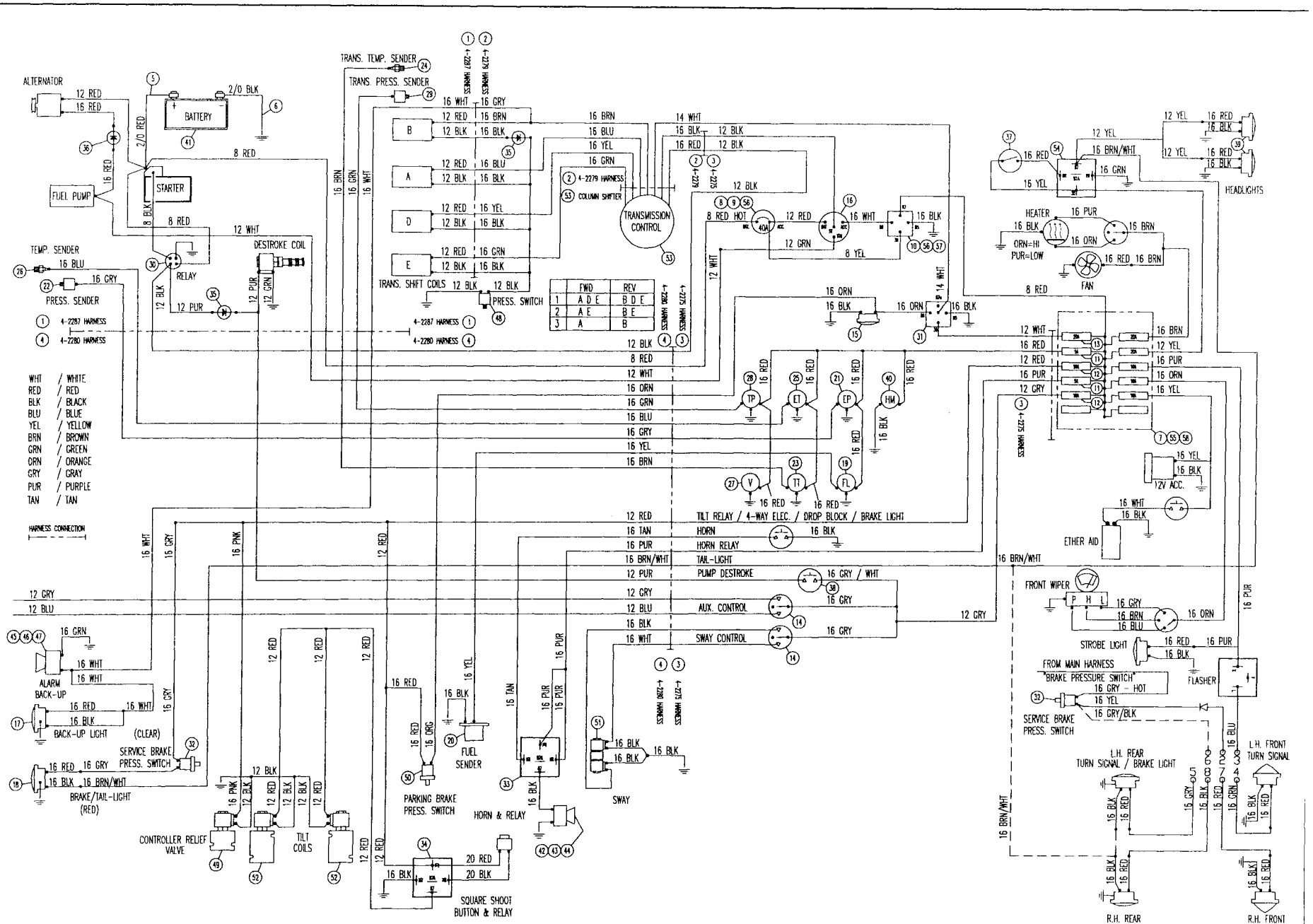


DRAWING NUMBER P1-1632	ELECTRIC SCHEMATIC TH528C	PAGE NUMBER 19

PAGE NUMBER 20

WIRING DIAGRAM TH528C

DRAWING NUMBER P1-1633

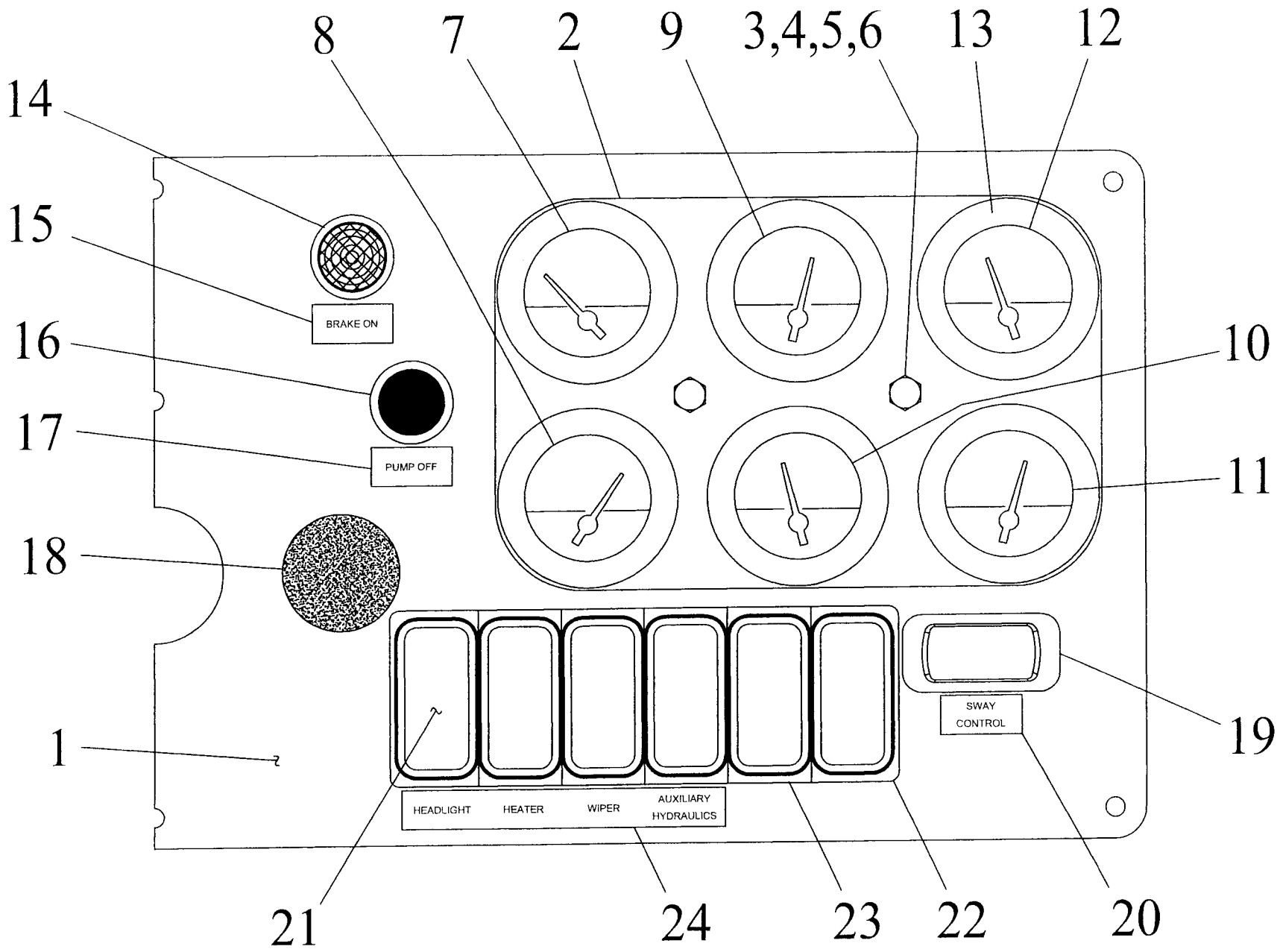


ITEM	NUMBER	DESCRIPTION	REQD
1	4-2287	HARNESS / ENGINE & TRANS.	1
2	4-2279	HARNESS / COLUMN MOUNTED SHIFTER	1
3	4-2275	HARNESS / INSTRUMENT PANEL	1
4	4-2280	HARNESS / MAIN POWER	1
5	6-7801-180B	BATTERY CABLE / RED	REF
6	6-7802-88B	BATTERY CABLE / BLACK	REF
7	7-269-135	FUSE BLOCK	1
8	7-269-139	CIRCUIT BREAKER / 40 AMP.	1
9	7-269-140	BOOT / CIRCUIT BREAKER	1
10	7-269-142	RELAY / HIGH CAPACITY	1
11	7-269-129	FUSE / 5 AMP.	2
12	7-269-130	FUSE / 10 AMP.	2
13	7-269-131	FUSE / 20 AMP.	1
14	7-164-04	SWITCH / SWAY	REF
15	7-127-05	LIGHT / WARNING	REF
16	7-146-01	SWITCH / IGNITION / KEY	1
17	7-136-02	LIGHT / BACK-UP	REF
18	7-136-03	LIGHT / TAIL-BRAKE	REF
19	7-172-02	GAGE / FUEL	REF
20	7-172-03	SENDER / FUEL	1
21	7-172-04	GAGE / ENGINE OIL PRESSURE	REF
22	7-172-05	SENDER / ENGINE OIL PRESSURE	REF
23	7-172-06	GAGE / TRANSMISSION OIL TEMP.	REF
24	7-172-17	SENDER / TRANSMISSION OIL TEMP.	REF
25	7-172-08	GAGE / ENGINE WATER TEMP.	REF
26	7-172-09	SENDER / ENGINE WATER TEMP.	REF
27	7-172-10	GAGE / VOLTMETER	REF
28	7-172-11	GAGE / TRANSMISSION OIL PRESSURE	REF
29	7-172-16	SENDER / TRANS. OIL PRESSURE	REF
30	7-183-18	RELAY / STARTER	REF
31	7-338-02	RELAY / PARKING BRAKE	1
32	7-206-03	PRESSURE SWITCH / BRAKE LIGHT	REF
33	7-338-02	RELAY / HORN	1
34	7-338-02	RELAY / TILT	1
35	7-281-01	DIODE / PUMP DESTROKE	REF
36	7-281-01	DIODE / ALTERNATOR	REF
37	7-164-02	SWITCH / HEADLIGHTS	REF
38	7-319-03	PUSHBUTTON / PUMP DESTROKE	REF
39	7-338-03	HEADLIGHT	REF
40	7-350-01	HOURMETER	1
41	7-355-01	BATTERY / 12 VOLT	REF
42	7-369-01	HORN	1
43	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	1
44	6-6211-04	LOCKWASHER 1/4	1
45	7-375-01	BACK-UP ALARM	1
46	6-5205-04	CAPSCREW 5/16 NC x 1/2 LG.	2
47	6-6211-05	LOCKWASHER 5/16	2
48	7-303-03	PRESSURE SWITCH / CLUTCH CUT-OFF	REF
49	7-367-01	VALVE / CONTROLLER RELIEF	REF
50	7-303-02	PRESSURE SWITCH / PARKING BRAKE	REF
51	7-244-31	VALVE / ELECTRIC 4-WAY / SWAY	REF

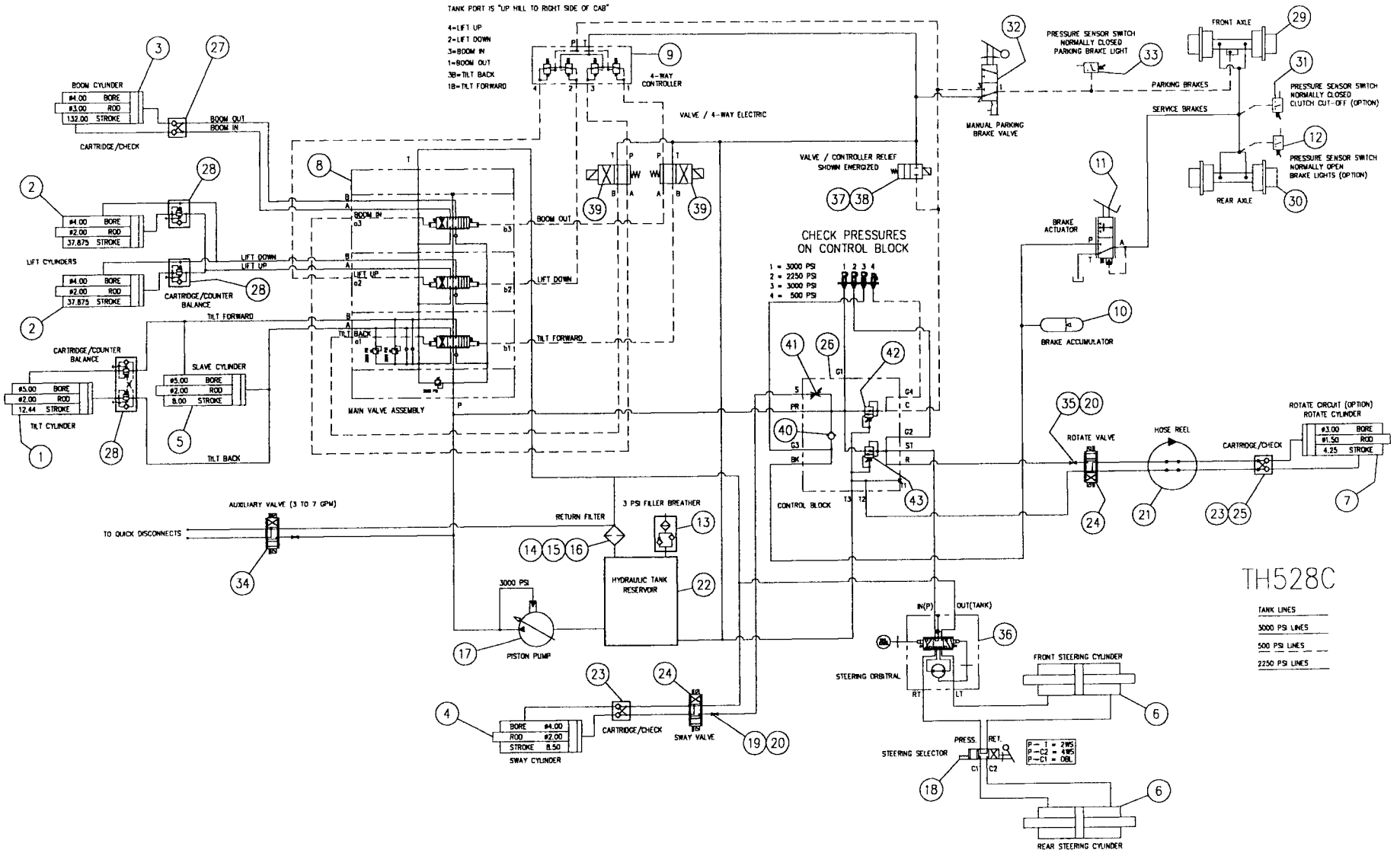
ITEM	NUMBER	DESCRIPTION	REQD
52	7-367-09	VALVE / ELECTRIC 4-WAY / TILT	REF
53	7-125-05	TRANSMISSION CONTROL	REF
54	7-338-02	RELAY / HEADLIGHTS	REF
55	6-6284-06	MACHINE SCREW #10-24 x 1 LG.	2
56	6-6284-10	MACHINE SCREW #10-24 x 5/8 LG.	2
57	6-6286-12	FLATWASHER #10	1
58	6-6286-06	HEX NUT #10-32	1

NOTES

INSTRUMENT PANEL ASSEMBLY TH528C



ITEM	NUMBER	DESCRIPTION	REQD
1	7-114-28	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	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	1
20	2-1269-1	DECAL / SWAY CONTROL	REF
21	7-164-05	PANEL PLUG	6
22	7-164-06	END BEZEL	2
23	7-164-07	CENTER BEZEL	4
24	2-1268-1	DECAL / DASH GANG SWITCHES	REF

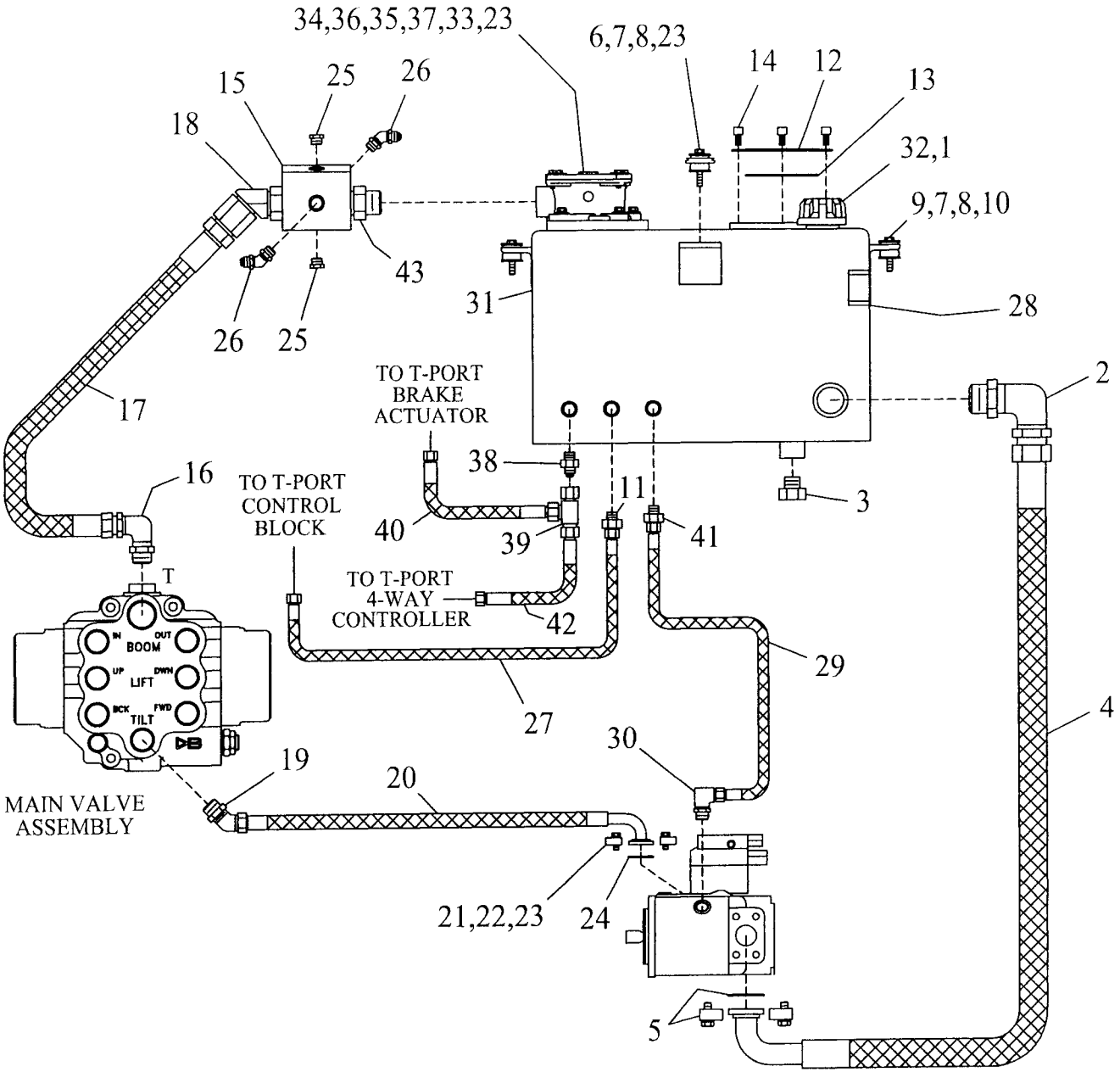

TANK PORT IS "UP HILL TO RIGHT SIDE OF CAB"
4=LIFT UP
2=LIFT DOWN
3=BOOM IN
1=BOOM OUT
3B=TILT BACK
1B=TILT FORWARD
4-WAY CONTROLLER
VALVE / 4-WAY ELECTRIC
VALVE / CONTROLLER RELIEF SHOWN ENERGIZED
MANUAL PARKING BRAKE VALVE
PRESSURE SENSOR SWITCH NORMALLY CLOSED PARKING BRAKE LIGHT
PARKING BRAKES
SERVICE BRAKES
FRONT AXLE
REAR AXLE
PRESSURE SENSOR SWITCH NORMALLY CLOSED CLUTCH CUT-OFF (OPTION)
PRESSURE SENSOR SWITCH NORMALLY OPEN BRAKE LIGHTS (OPTION)
BRAKE ACTUATOR
BRAKE ACCUMULATOR
BOOM CYLINDER
#4.00 BORE
#3.00 ROD
132.00 STROKE
CARTRIDGE/CHECK
BOOM OUT
BOOM IN
LIFT CYLINDERS
#4.00 BORE
#2.00 ROD
37.875 STROKE
LIFT DOWN
LIFT UP
CARTRIDGE/COUNTER BALANCE
TILT FORWARD
TILT BACK
MAIN VALVE ASSEMBLY
CHECK PRESSURES ON CONTROL BLOCK
1 = 3000 PSI
2 = 2250 PSI
3 = 3000 PSI
4 = 500 PSI
CONTROL BLOCK
#5.00 BORE
#2.00 ROD
12.44 STROKE
TILT CYLINDER
SLAVE CYLINDER
#5.00 BORE
#2.00 ROD
8.00 STROKE
AUXILIARY VALVE (3 TO 7 GPM)
TO QUICK DISCONNECTS
RETURN FILTER
3 PSI FILLER BREATHER
HYDRAULIC TANK RESERVOIR
3000 PSI
PISTON PUMP
BORE #4.00
ROD #2.00
STROKE 8.50
SWAY CYLINDER
SWAY VALVE
IN(P)
OUT(TANK)
STEERING ORBITRAL
FRONT STEERING CYLINDER
REAR STEERING CYLINDER
STEERING SELECTOR
PRESS.
RET.
P-T = 2MS
P-C2 = 4MS
P-C1 = OBL
ROTATE VALVE
HOSE REEL
ROTATE CIRCUIT (OPTION)
ROTATE CYLINDER
#3.00 BORE
#1.50 ROD
4.25 STROKE
TH528C
TANK LINES
5000 PSI LINES
500 PSI LINES
2250 PSI LINES

ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-329	CYLINDER / TILT	REF
2	7-316-332	CYLINDER / LIFT (2)	REF
3	7-316-328	CYLINDER / BOOM	REF
4	7-316-331	CYLINDER / SWAY	REF
5	7-316-330	CYLINDER / SLAVE	REF
6	7-229-696	CYLINDER / STEERING (2)	REF
7	7-379-01	CYLINDER / ROTATE	REF
8	7-358-15	VALVE ASSEMBLY / 3 SECTION	REF
9	7-358-03	CONTROLLER / 4-WAY	REF
10	7-256-25	ACCUMULATOR / BRAKE	REF
11	7-198-48	ACTUATOR / HANGING BRAKE PEDAL	1
12	7-206-03	PRESSURE SWITCH / BRAKE LIGHTS	REF
13	7-272-11	FILLER / BREATHER / PRESSURIZED	REF
14	7-118-01	FILTER / RETURN	REF
15	7-272-10	GAGE / RETURN FILTER	REF
16	7-118-02	ELEMENT / RETURN FILTER	REF
17	7-345-113	PUMP ASSEMBLY / 60cc	REF
18	7-359-02	SELECTOR VALVE / STEERING	REF
19	1-1219	RESTRICTOR FITTING	REF
20	1-1093-1	RESTRICTOR PLUG (.040)	REF
21	7-292-01	HOSE REEL / RH / ROTATE	REF
22	4-2155	OIL RESERVOIR	REF
23	7-234-18	CARTRIDGE / CHECK (2)	REF
24	7-244-31	VALVE / ELECTRIC 4-WAY (2)	REF
25	7-234-35	VALVE / CHECK	REF
26	7-234-94	CONTROL BLOCK ASSEMBLY	REF
27	7-234-55	CARTRIDGE / CHECK	REF
28	7-234-53	CARTRIDGE / COUNTER BALANCE (4)	REF
29	7-229-377	AXLE ASSEMBLY / FRONT	REF
30	7-229-378	AXLE ASSEMBLY / REAR	REF
31	7-303-03	PRESSURE SWITCH / CLUTCH CUT-OFF	REF
32	7-358-08	VALVE / MANUAL PARKING BRAKE	REF
33	7-303-02	PRESSURE SWITCH / PARKING BRK. LT.	REF
34	7-366-01	VALVE ASSY / AUXILIARY HYDRAULICS	REF
35	1-1221	RESTRICTOR FITTING / 90	REF
36	7-147-01	ORBITRAL / STEERING	1
37	7-367-01	VALVE / CONTROLLER RELIEF	REF
38	7-367-06	CARTRIDGE / NORMALLY OPEN	REF
39	7-367-09	VALVE / ELECTRIC 4-WAY	REF
40	7-234-80	CARTRIDGE / CHECK	REF
41	7-234-37	CARTRIDGE / NEEDLE	REF
42	7-234-13	CARTRIDGE / REDUCING-RELIEVING	REF
43	7-234-28	CARTRIDGE / REDUCING-RELIEVING	REF

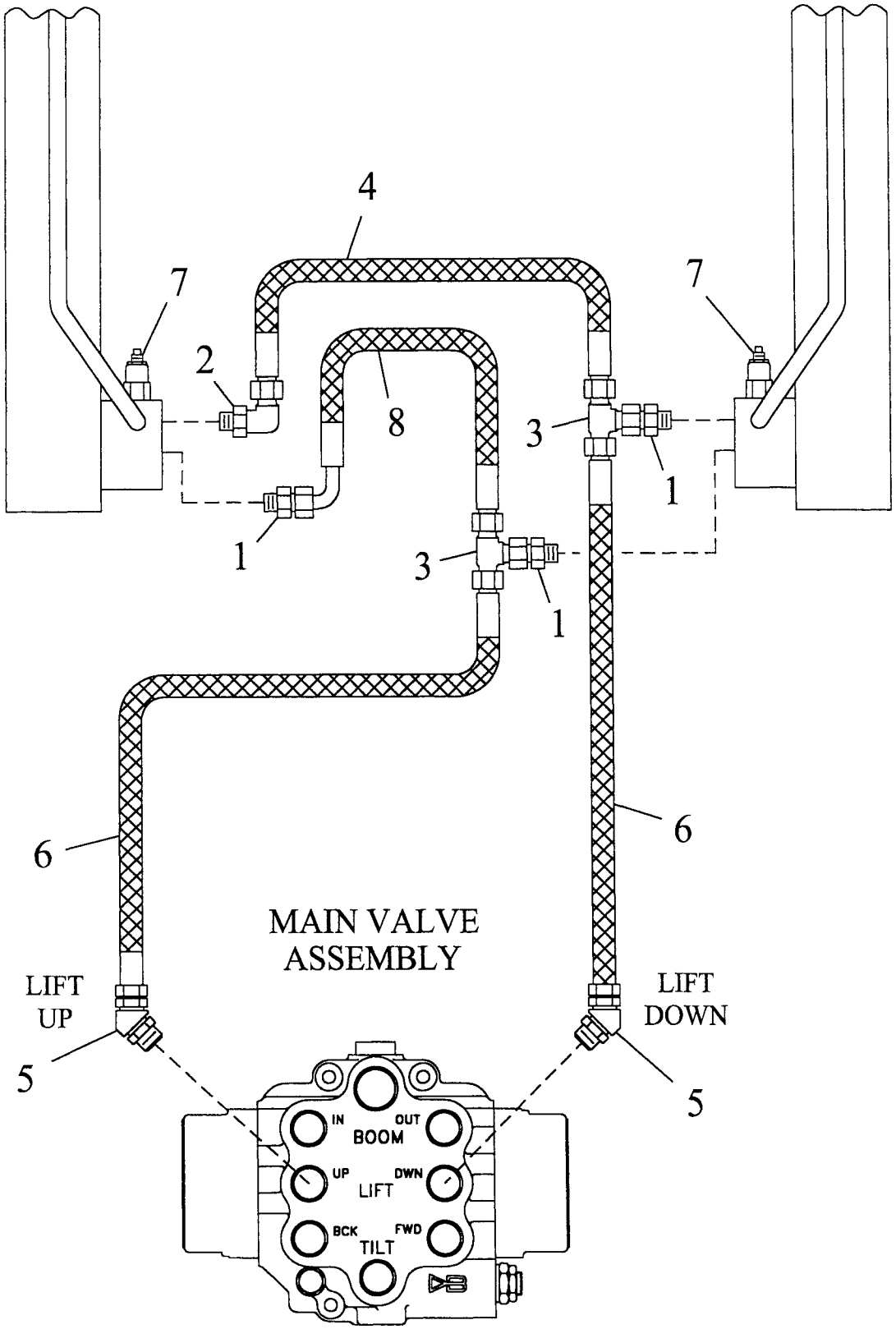
PAGE NUMBER 23

CIRCUIT / PUMP / OIL RESERVOIR
TH528C

DRAWING NUMBER P1-1647

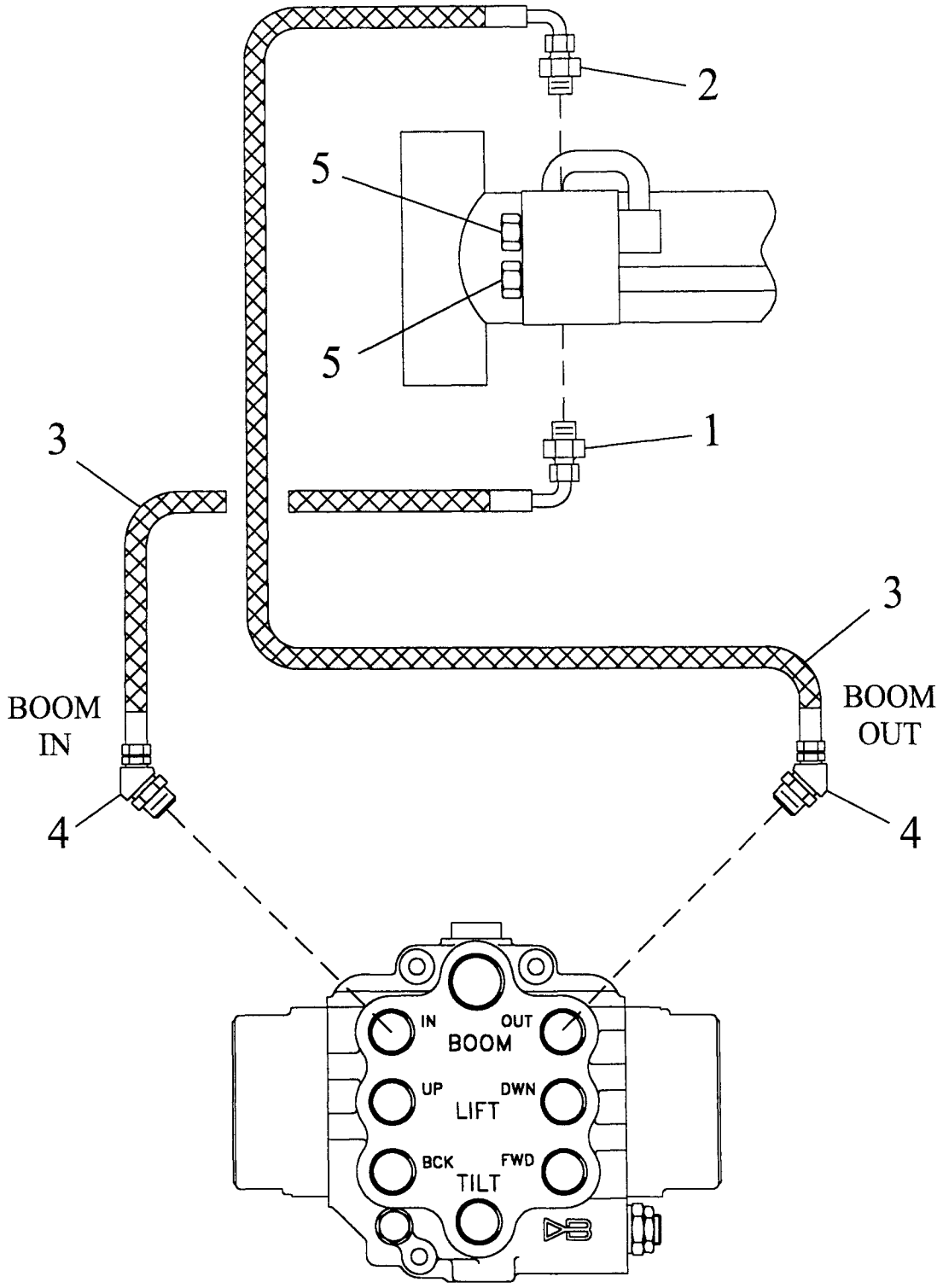


ITEM	NUMBER	DESCRIPTION	REQD
1	6-6284-07	MACHINE SCREW #10-32 x 1/2 LG.	6
2	6-6453-22	FITTING / 32 OR x 32 JIC 90	1
3	6-6457-10	FITTING / 16 OR HEX HEAD PLUG	1
4	6-7081-32	HOSE / 32 x 32-90 SF x 16 LG.	1
5	7-107-05	SPLIT FLANGE KIT / 2 1/2	1
6	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	1
7	7-190-04	RUBBER MOUNT / CENTER BONDED	3
8	7-190-02	WASHER / BONDED RUBBER MOUNT	3
9	6-5206-20	CAPSCREW 3/8 NC x 2 1/2 LG.	2
10	6-6205-06	SELF LOCKING NUT 3/8 NC	2
11	6-6450-09	FITTING / 08 OR x 06 JIC STR.	1
12	7-145-01	ACCESS COVER / OIL RESERVOIR	REF
13	7-145-02	O-RING / ACCESS COVER	REF
14	6-5606-06	CAPSCREW SH 3/8 NC x 3/4 LG.	REF
15	3-1376	MANIFOLD BLOCK	1
16	6-6453-19	FITTING / 16 OR x 16 JIC 90	1
17	6-7008-176	HOSE / 16 x 16 x 88 LG.	1
18	6-6452-21	FITTING / 20 OR x 16 JIC 45	1
19	6-6452-08	FITTING / 12 OR x 12 JIC 45	1
20	6-7156-188	HOSE / 12 x 16-90 SF x 94 LG.	1
21	7-158-36	SPLIT FLANGE / 1 IN. / HALF ONLY	2
22	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	4
23	6-6211-06	LOCKWASHER 3/8	9
24	7-209-67	O-RING / 1 IN. SPLIT FLANGE	1
25	6-6457-06	FITTING / 08 OR HEX HEAD PLUG	2
26	6-6452-04	FITTING / 08 OR x 08 JIC 45	2
27	6-7003-150	HOSE / 06 x 06 x 75 LG.	1
28	7-161-01	SIGHT GAGE / OIL RESERVOIR	1
29	6-7014-88	HOSE / 08 x 08 x 44 LG.	1
30	6-6453-12	FITTING / 10 OR x 10 JIC 90	1
31	4-2155	HYDRAULIC OIL RESERVOIR	1
32	7-272-11	CAP / FILLER-BREATHER	1
33	6-6212-06	FLATWASHER 3/8	4
34	7-118-01	FILTER / RETURN	1
35	7-272-10	GAGE / RETURN FILTER	1
36	7-118-02	ELEMENT / RETURN FILTER	REF
37	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	4
38	6-6450-09	FITTING / 08 OR x 06 JIC STR.	1
39	6-6481-05	FITTING / 06 JIC SW-RUN-TEE	1
40	6-7003-100	HOSE / 06 x 06 x 50 LG.	1
41	6-6450-12	FITTING / 08 OR x 08 JIC STR.	1
42	6-7003-80	HOSE / 06 x 06 x 40 LG.	REF
43	6-6436-01	FITTING / 20 OR x 20 NPT STR.	1



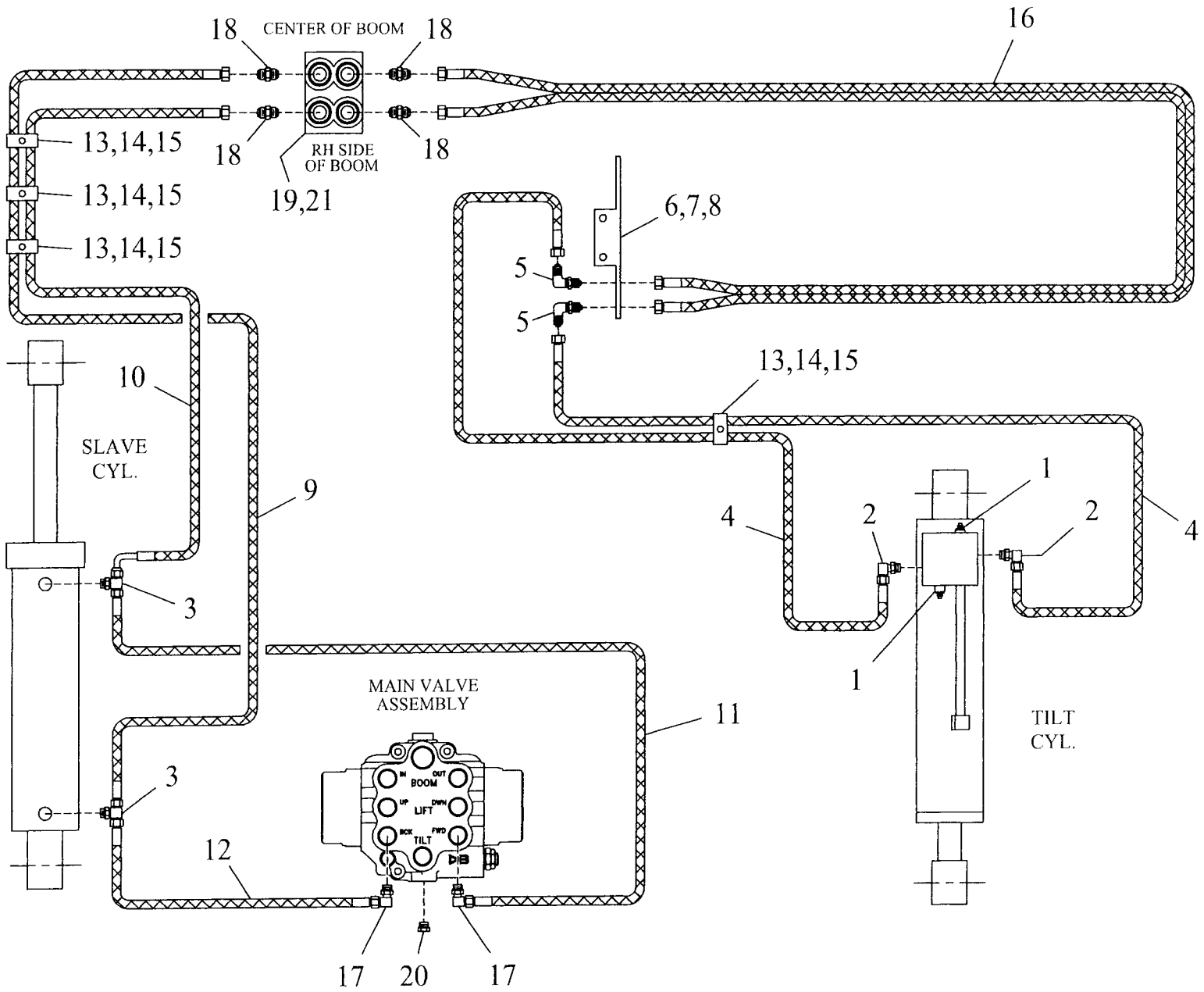
24	PAGE NUMBER	CIRCUIT / LIFT TH528C		DRAWING NUMBER	P1-1333

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-16	FITTING / 10 OR x 10 JIC STR.	3
2	6-6453-12	FITTING / 10 OR x 10 JIC 90	1
3	6-6480-07	FITTING / 10 JIC SW-BR-TEE	2
4	6-7005-44	HOSE / 10 x 10 x 22 LG.	1
5	6-6452-17	FITTING / 12 OR x 10 JIC 45	2
6	6-7005-70	HOSE / 10 x 10 x 35 LG.	2
7	7-234-53	CARTRIDGE / COUNTERBALANCE	2
8	6-7025-44	HOSE / 10 x 10-90 x 22 LG.	1



MAIN VALVE ASSEMBLY

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-13	FITTING / 10 OR x 08 JIC STR.	1
2	6-6450-13	FITTING / 10 OR x 08 JIC STR.	1
3	6-7044-134	HOSE / 10 x 08-90 x 67 LG.	2
4	6-6452-17	FITTING / 12 OR x 10 JIC 45	2
5	7-234-55	CARTRIDGE / CHECK	2

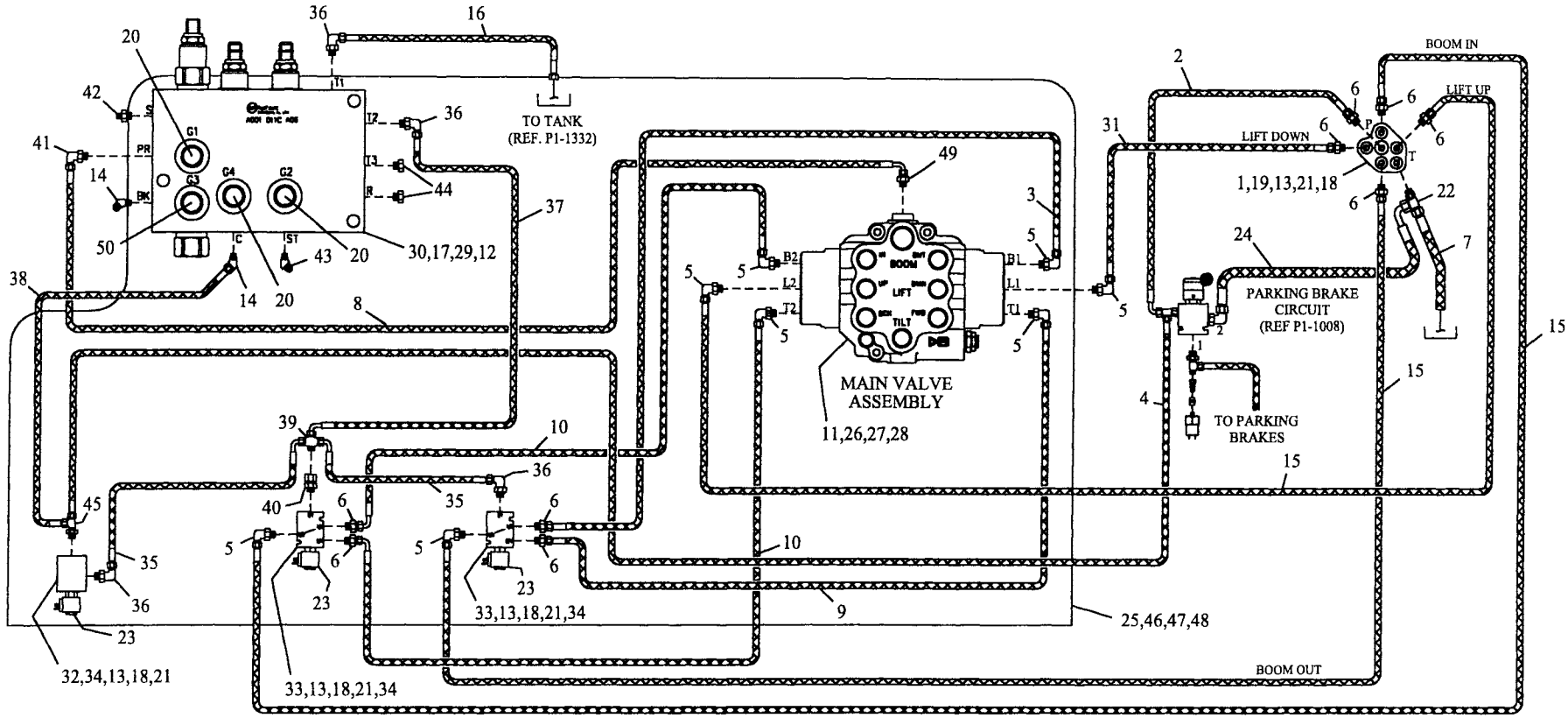

18
CENTER OF BOOM
18
16
18
RH SIDE OF BOOM
18
13,14,15
19,21
13,14,15
13,14,15
6,7,8
5
5
13,14,15
10
SLAVE CYL.
9
1
4
2
2
4
3
1
MAIN VALVE ASSEMBLY
11
TILT CYL.
3
12
17
20
17

ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-53	CARTRIDGE / COUNTER BALANCE	2
2	6-6453-09	FITTING / 08 OR x 08 JIC 90	2
3	6-6454-06	FITTING / 08 OR x 08 JIC BR-TEE	2
4	6-7004-448	HOSE / 08 x 08 x 224 LG.	2
5	6-6477-06	FITTING / 08 JIC BH UNION 90	2
6	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	2
7	6-6211-06	LOCKWASHER 3/8	2
8	2-1248	BULKHEAD MOUNTING PLATE	1
9	6-7004-246	HOSE / 08 x 08 x 123 LG.	1
10	6-7024-203	HOSE / 08 x 08-90 x 101 1/2 LG.	1
11	6-7014-116	HOSE / 08 x 10 x 58 LG.	1
12	6-7014-76	HOSE / 08 x 10 x 38 LG.	1
13	7-273-25	CLAMP HALF SET / 1/2 TWIN HOSE	4
14	7-273-26	COVER PLATE / 1/2 HOSE CLAMP	4
15	6-5205-14	CAPSCREW 5/16 NC x 1 3/4 LG.	4
16	7-256-82	BONDED HOSE / 08 x 08 x 98 LG.	1
17	6-6453-13	FITTING / 12 OR x 10 JIC 90	2
18	6-6450-12	FITTING / 08 OR x 08 JIC STR.	4
19	3-1446	MANIFOLD BLOCK	1
20	6-6457-08	FITTING / 12 OR HEX HEAD PLUG	1
21	6-6006-12	FL. HD. SOCKET SCREW 3/8 NC x 1 1/2	2

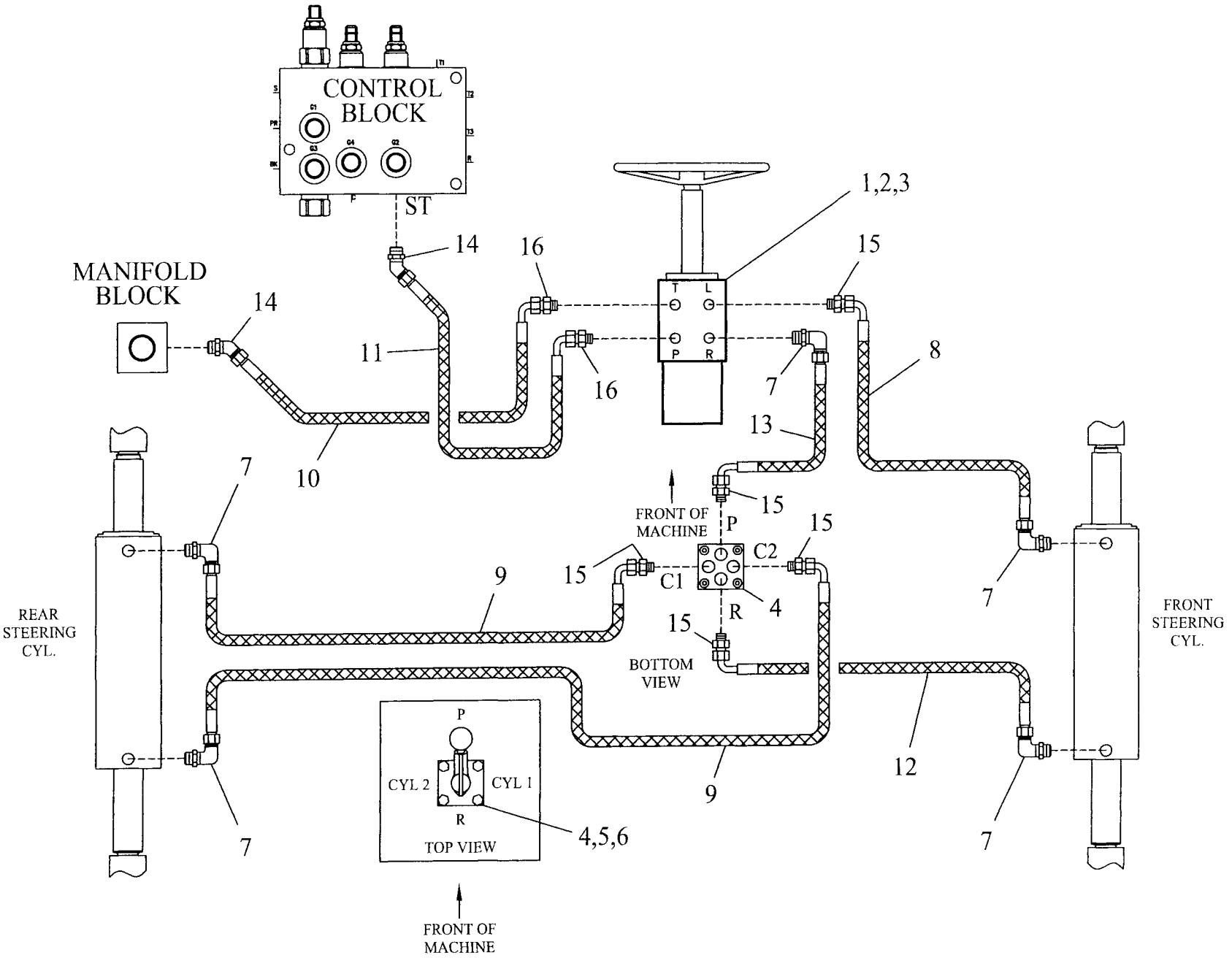
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CIRCUIT / 4-WAY CONTROLLER TH528C

DRAWING NUMBER P1-1648



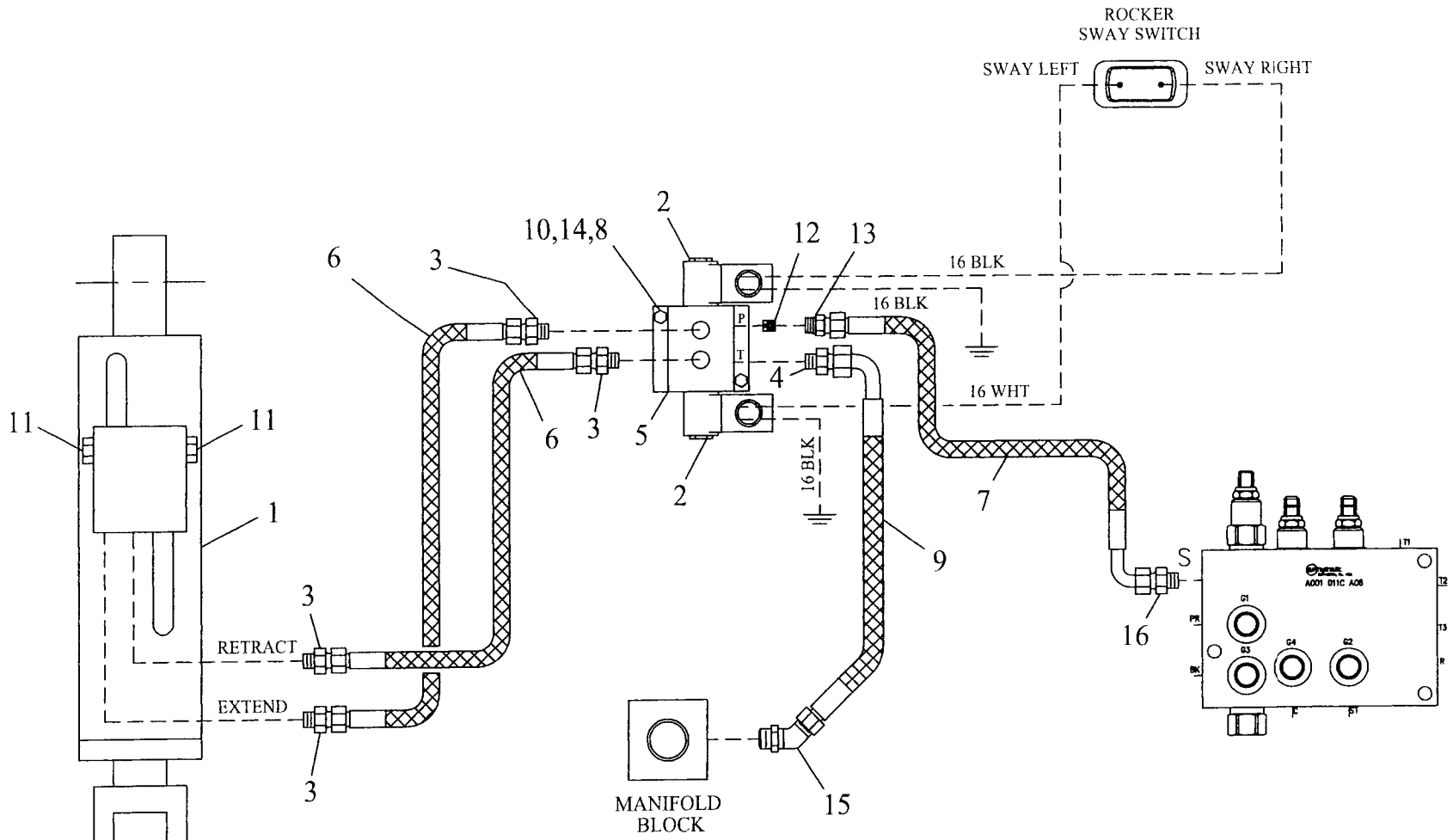
ITEM	NUMBER	DESCRIPTION	REQD
1	7-358-03	4-WAY CONTROLLER	1
2	6-7022-100	HOSE / 04 x 04-90 x 50 LG.	REF
3	6-7002-34	HOSE / 04 x 04 x 17 LG.	1
4	6-7002-182	HOSE / 04 x 04 x 91 LG.	REF
5	6-6453-04	FITTING / 06 OR x 04 JIC 90	8
6	6-6450-05	FITTING / 06 OR x 04 JIC STR.	9
7	6-7003-80	HOSE / 06 x 06 x 40 LG.	1
8	6-7024-48	HOSE / 08 x 08-90 x 24 LG.	1
9	6-7002-30	HOSE / 04 x 04 x 15 LG.	1
10	6-7022-22	HOSE / 04 x 04-90 x 11 LG.	2
11	7-358-15	VALVE ASSEMBLY / 3 SECTION	1
12	7-234-94	CONTROL BLOCK ASSEMBLY	1
13	6-6212-04	FLATWASHER 1/4	10
14	6-6452-19	FITTING / 06 OR x 04 JIC 45	2
15	6-7002-180	HOSE / 04 x 04 x 90 LG.	3
16	6-7003-150	HOSE / 06 x 06 x 75 LG.	REF
17	6-6201-05	HEX NUT 5/16 NC	3
18	6-6201-04	HEX NUT 1/4 NC	10
19	7-290-03	CARRIAGE BOLT 1/4 NC x 1 LG.	4
20	7-256-33	MALE PRESSURE CHECK	3
21	6-6211-04	LOCKWASHER 1/4	10
22	6-6455-05	FITTING / 06 OR x 06 JIC RN-TEE	1
23	7-244-27	DIN CONNECTOR	REF
24	6-7023-100	HOSE / 06 x 06-90 x 50 LG.	REF
25	4-2193	MOUNTING PLATE / CONTROL VALVES	1
26	6-5206-40	CAPSCREW 3/8 NC x 5 LG.	3
27	6-6211-06	LOCKWASHER 3/8	3
28	6-6201-06	HEX NUT 3/8 NC	3
29	6-5205-24	CAPSCREW 5/16 NC x 3 LG.	3
30	6-6211-05	LOCKWASHER 5/16	3
31	6-7002-222	HOSE / 04 x 04 x 111 LG.	1
32	7-367-01	VALVE / CONTROLLER RELIEF	1
33	7-367-09	VALVE / ELECTRIC 4-WAY (TILT)	2
34	6-5204-16	CAPSCREW 1/4 NC x 2 LG.	6
35	6-7023-26	HOSE / 06 x 06-90 x 13 LG.	2
36	6-6453-06	FITTING / 06 OR x 06 JIC 90	4
37	6-7023-40	HOSE / 06 x 06-90 x 20 LG.	1
38	6-7002-26	HOSE / 04 x 04 x 13 LG.	1
39	6-6483-05	FITTING / 06 JIC CROSS	1
40	6-6485-06	FITTING / 06 OR x 06 JIC SW. STR.	1
41	6-6453-09	FITTING / 08 OR x 08 JIC 90	1
42	6-6450-08	FITTING / 06 OR x 06 JIC STR.	1
43	6-6452-04	FITTING / 08 OR x 08 JIC 45	1
44	6-6457-05	FITTING / 06 OR HEX HEAD PLUG	2
45	6-6455-15	FITTING / 06 OR x 04 JIC RN-TEE	1
46	6-5208-20	CAPSCREW 1/2 NC x 2 1/2 LG.	4
47	6-6211-08	LOCKWASHER 1/2	4
48	6-6201-08	HEX NUT 1/2 NC	4
49	6-6450-12	FITTING / 08 OR x 08 JIC STR.	1
50	7-302-03	MALE UNDER-PRESSURE CHECK	1


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

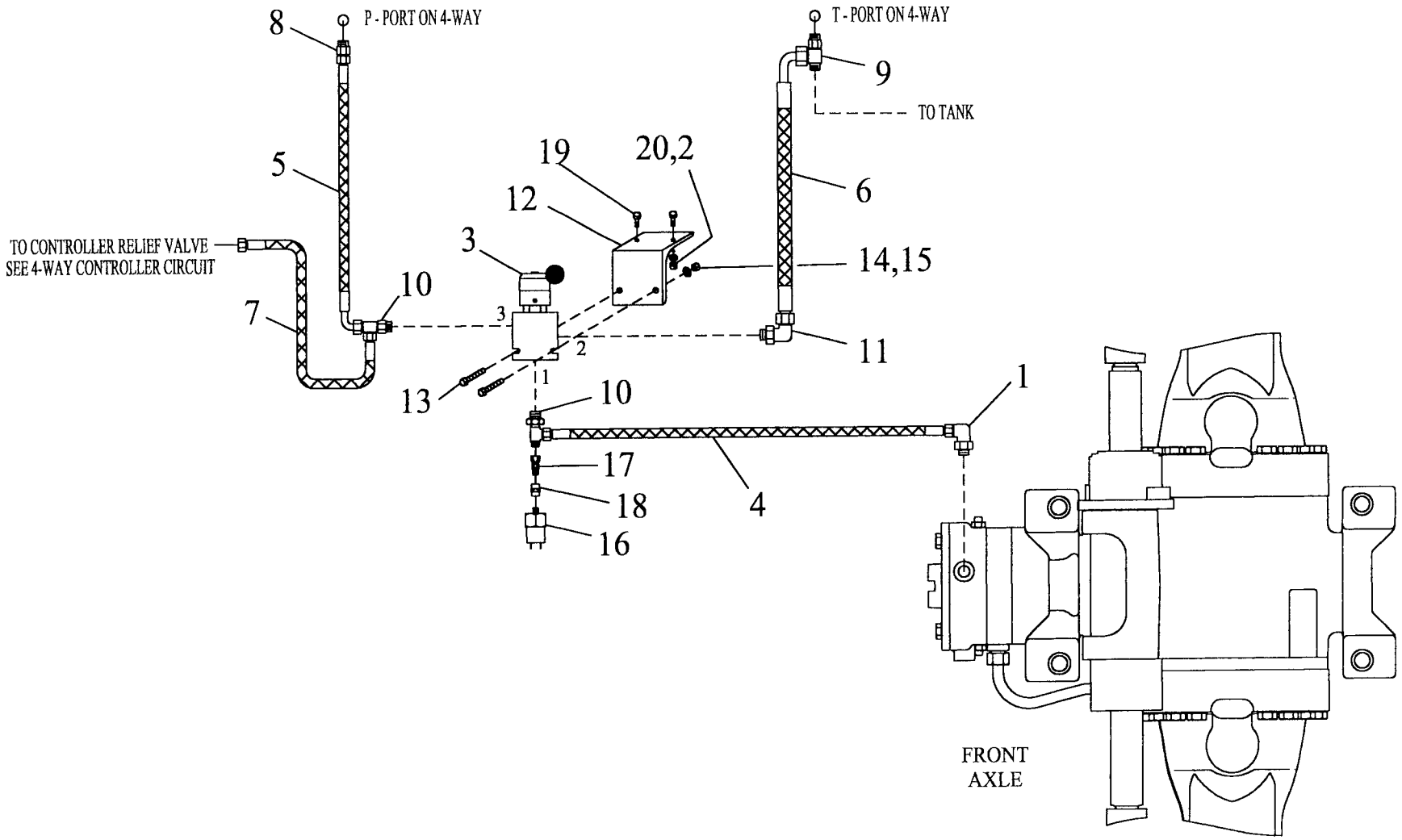
ITEM	NUMBER	DESCRIPTION	REQD
1	7-147-01	STEERING ORBITRAL	REF
2	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	4
3	6-6211-06	LOCKWASHER 3/8	4
4	7-359-02	VALVE / STEERING SELECTOR	1
5	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
6	6-6211-05	LOCKWASHER 5/16	4
7	6-6453-07	FITTING / 08 OR x 06 JIC 90	5
8	6-7023-194	HOSE / 06 x 06-90 x 97 LG.	1
9	6-7023-272	HOSE / 06 x 06-90 x 136 LG.	2
10	6-7024-148	HOSE / 08 x 08-90 x 74 LG.	1
11	6-7024-256	HOSE / 08 x 08-90 x 128 LG.	1
12	6-7023-244	HOSE / 06 x 06-90 x 122 LG.	1
13	6-7023-40	HOSE / 06 x 06-90 x 20 LG.	1
14	6-6452-04	FITTING / 08 OR x 08 JIC 45	REF
15	6-6450-09	FITTING / 08 OR x 06 JIC STR.	5
16	6-6450-12	FITTING / 08 OR x 08 JIC STR.	2

CIRCUIT / SWAY
TH528C

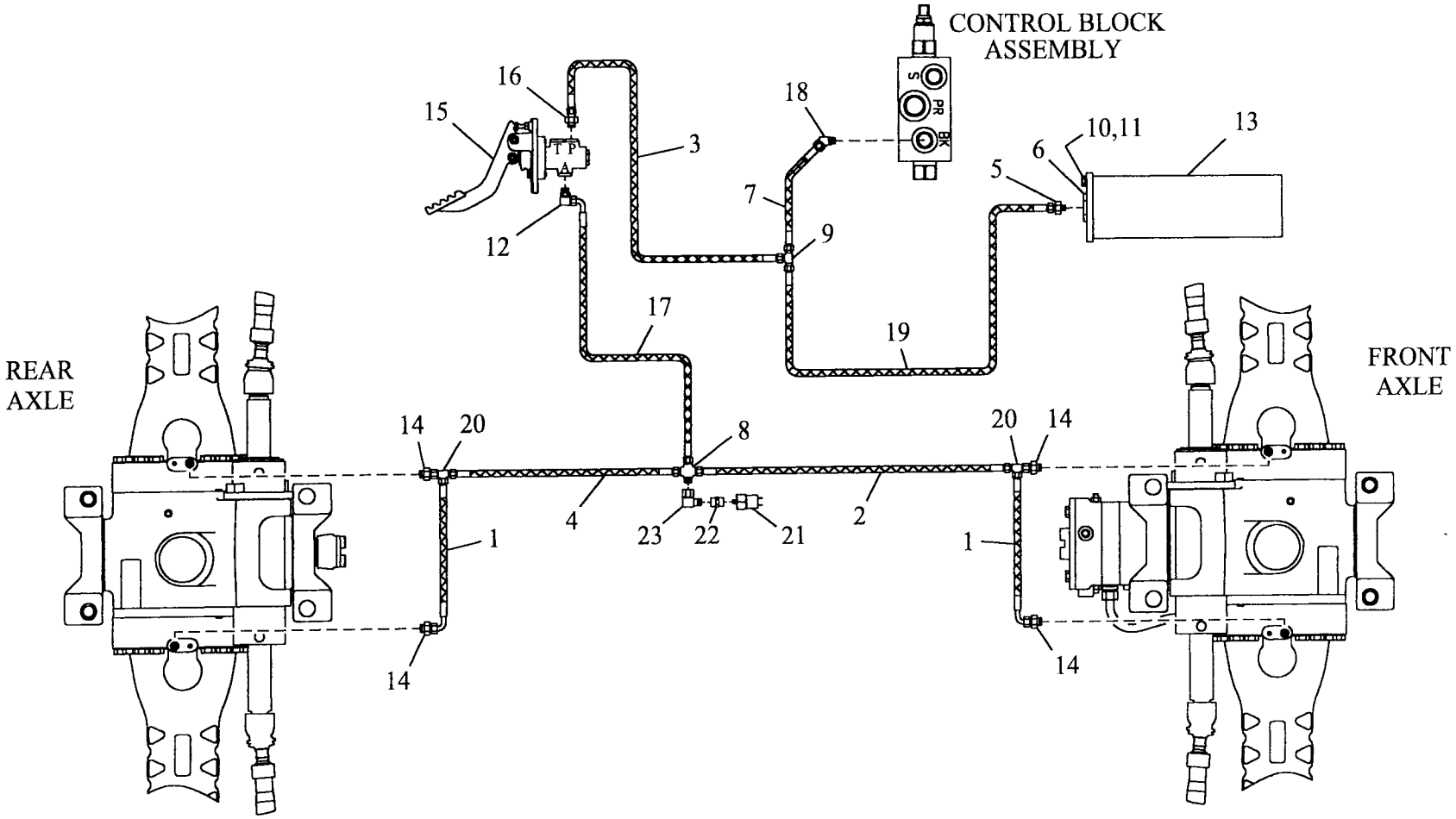
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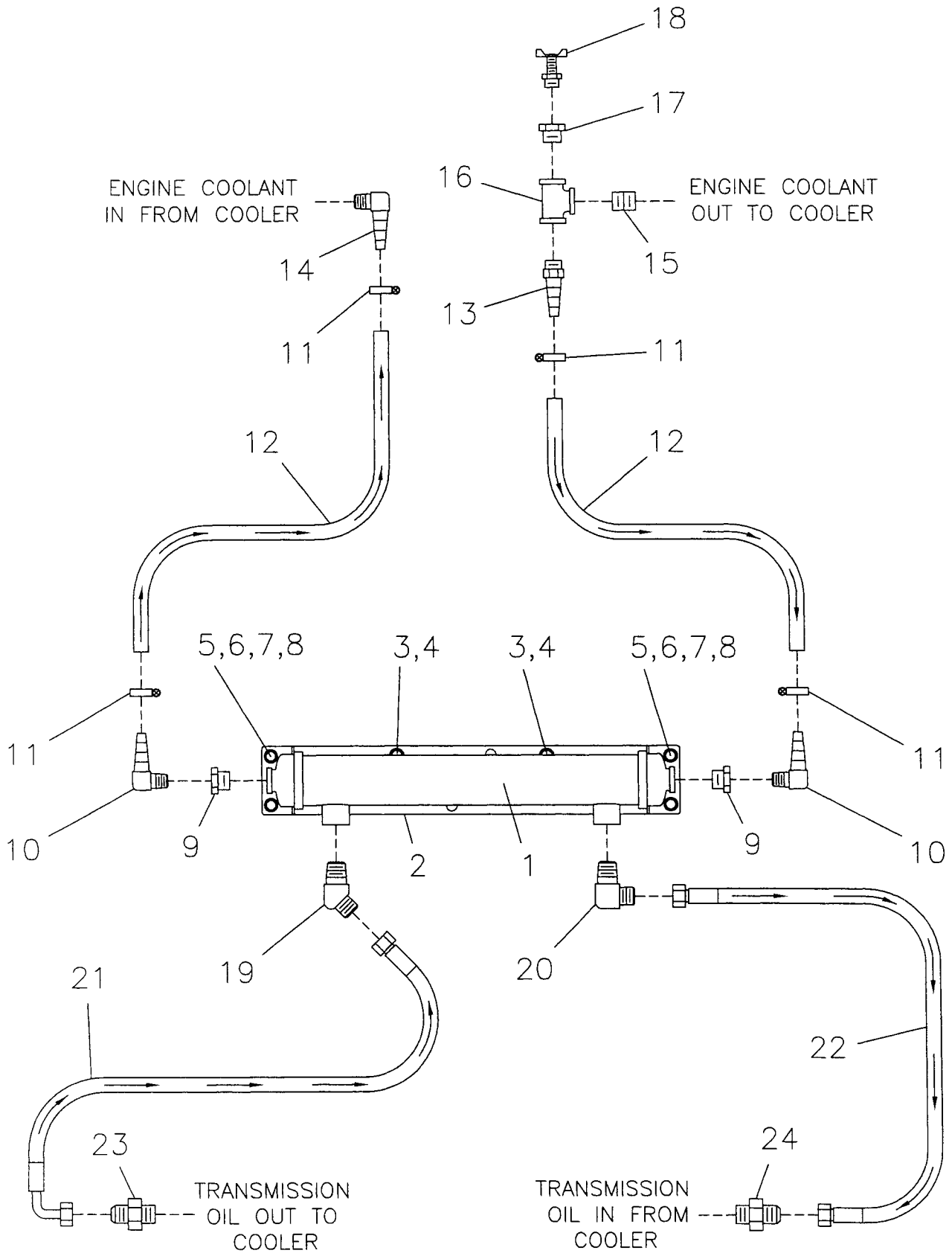
ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-331	CYLINDER / SWAY	REF
2	7-244-27	DIN CONNECTOR	REF
3	6-6450-08	FITTING / 06 OR x 06 JIC STR.	4
4	6-6450-11	FITTING / 06 OR x 08 JIC STR.	1
5	7-244-31	ELECTRIC VALVE / SWAY	1
6	6-7003-56	HOSE / 06 x 06 x 28 LG.	2
7	6-7023-290	HOSE / 06 x 06-90 x 145 LG.	1
8	6-6212-04	FLATWASHER 1/4	2
9	6-7024-112	HOSE / 08 x 08-90 x 56 LG.	1
10	6-5204-14	CAPSCREW 1/4 NC x 1 3/4 LG.	2
11	7-234-18	CARTRIDGE / CHECK	2
12	1-1093-1	RESTRICTOR PLUG (.040)	1
13	1-1219	RESTRICTOR FITTING	1
14	6-6211-04	LOCKWASHER 1/4	2
15	6-6452-04	FITTING / 08 OR x 08 JIC 45	REF
16	6-6450-08	FITTING / 06 OR x 06 JIC STR.	REF


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

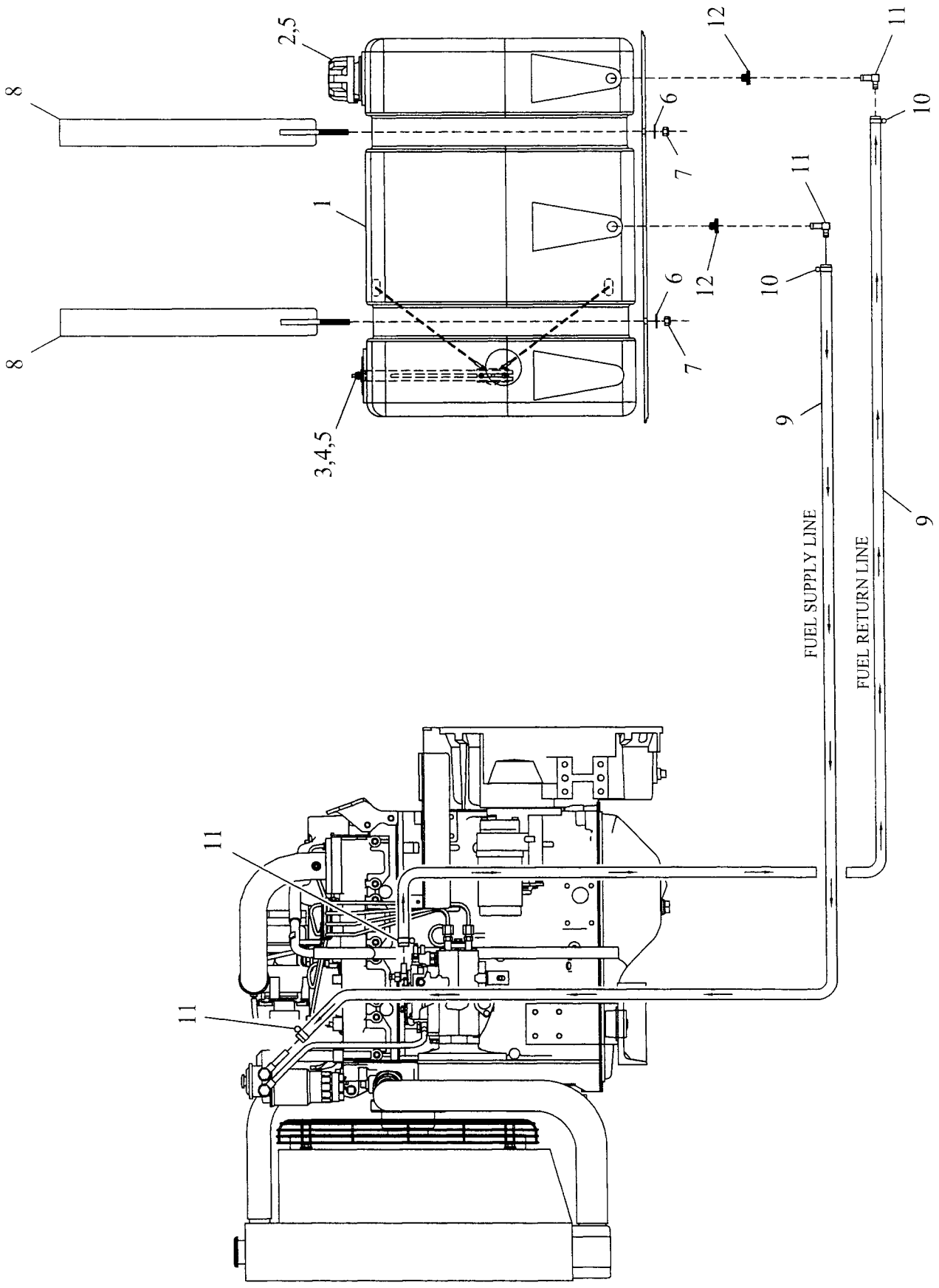
ITEM	NUMBER	DESCRIPTION	REQD
1	7-371-05	FITTING / 14mm x 06 JIC 90	1
2	6-6211-05	LOCKWASHER 5/16	2
3	7-358-08	VALVE / PARKING BRAKE	1
4	6-7012-240	HOSE / 06 x 04 x 120 LG.	1
5	6-7022-100	HOSE / 04 x 04-90 x 50 LG.	1
6	6-7023-100	HOSE / 06 x 06-90 x 50 LG.	1
7	6-7002-182	HOSE / 04 x 04 x 91 LG.	1
8	6-6450-05	FITTING / 06 OR x 04 JIC STR.	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	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
20	6-6201-05	HEX NUT 5/16 NC	2


CONTROL BLOCK ASSEMBLY
REAR AXLE
FRONT AXLE
16
15
18
10,11
13
6
5
3
7
9
12
17
19
14
20
8
20
14
4
23
22
21
2
1
1
14
14

ITEM	NUMBER	DESCRIPTION	REQD
1	6-7023-28	HOSE / 06 x 06-90 x 14 LG.	2
2	6-7003-136	HOSE / 06 x 06 x 68 LG.	1
3	6-7002-86	HOSE / 04 x 04 x 43 LG.	1
4	6-7003-150	HOSE / 06 x 06 x 75 LG.	1
5	6-6425-03	FITTING / 02 NPT x 04 JIC STR.	1
6	1-2014	FITTING / 20 OR x 02 NPT REDUCER	1
7	6-7002-180	HOSE / 04 x 04 x 90 LG.	1
8	6-6483-05	FITTING / 06 JIC CROSS	1
9	6-6482-03	FITTING / 04 JIC TEE	1
10	6-5308-08	CAPSCREW 1/2 NF x 1 LG.	3
11	6-6211-08	LOCKWASHER 1/2	3
12	6-6453-07	FITTING / 08 OR x 06 JIC 90	1
13	7-256-25	ACCUMULATOR / BRAKE	1
14	7-371-04	FITTING / 14mm OR x 06 JIC STR.	4
15	7-198-48	ACTUATOR / HANGING BRAKE PEDAL	REF
16	6-6450-06	FITTING / 08 OR x 04 JIC STR.	1
17	6-7023-100	HOSE / 06 x 06-90 x 50 LG.	1
18	6-6452-19	FITTING / 06 OR x 04 JIC 45	1
19	6-7022-130	HOSE / 04 x 04-90 x 65 LG.	1
20	6-6481-05	FITTING / 06 JIC SW-RN-TEE	2
21	7-303-03	PRESSURE SWITCH / CLUTCH CUT-OFF	1
22	6-6402-02	FITTING / 02 NPT F. x 04 NPT F.	1
23	6-6435-03	FITTING / 04 NPT M. x 06 JIC 90 SW	1

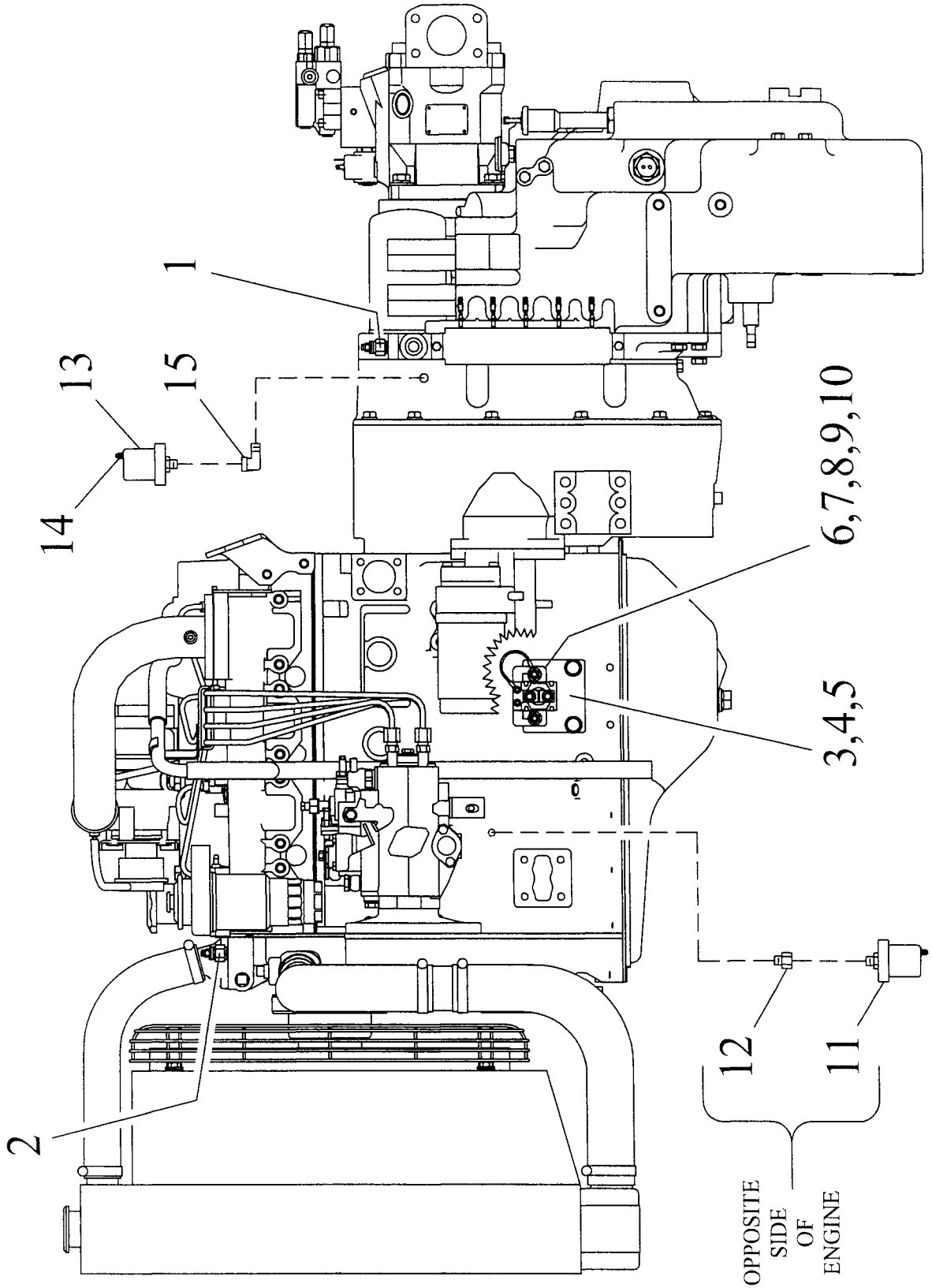

18
17
16
ENGINE COOLANT
IN FROM COOLER
ENGINE COOLANT
OUT TO COOLER
15
14
13
11
11
12
12
5,6,7,8
3,4
3,4
5,6,7,8
11
11
10
9
9
10
2
1
19
20
21
22
23
24
TRANSMISSION
OIL OUT TO
COOLER
TRANSMISSION
OIL IN FROM
COOLER

ITEM	NUMBER	DESCRIPTION	REQD
1	7-103-01	OIL COOLER	1
2	3-1365	MOUNT / OIL COOLER	1
3	6-8510-25	CAPSCREW 10mm x 1.50 x 25mm LG.	4
4	6-9111-10	LOCKWASHER 10mm	4
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	4
6	6-6212-05	FLATWASHER 5/16	4
7	6-6211-05	LOCKWASHER 5/16	4
8	6-6201-05	HEX NUT 5/16 NC	4
9	6-6406-07	FITTING / NPT REDUCER 3/4 x 1/2	2
10	6-6400-16	FITTING / 1/2 NPT x 5/8 HOSE BARB 90	2
11	6-6252-02	HOSE CLAMP / # 8	4
12	6-9613-216	HEATER HOSE 5/8 ID x 27 LG.	2
13	6-6423-16	HOSE END / 5/8 HOSE x 1/2 MALE PIPE	1
14	6-6400-15	FITTING / 3/8 NPT x 5/8 HOSE BARB 90	1
15	6-6413-03	PIPE NIPPLE / 1/2 NPT x 1 1/2 LG. / BLK.	1
16	6-6439-04	FITTING / 1/2 NPT FEMALE TEE / BLK.	1
17	6-6406-05	FITTING / NPT REDUCER 1/2 x 1/4	1
18	7-319-27	PET COCK / 1/4 NPT	1
19	6-6426-25	FITTING / 12 NPT x 10 JIC 45	1
20	6-6527-18	FITTING / 12 NPT x 12 JIC 90	1
21	6-7025-82	HOSE / 10 x 10-90 x 41 LG.	1
22	6-7006-64	HOSE / 12 x 12 x 32 LG.	1
23	6-6450-16	FITTING / 10 OR x 10 JIC STR.	1
24	6-6450-20	FITTING / 12 OR x 12 JIC STR.	1



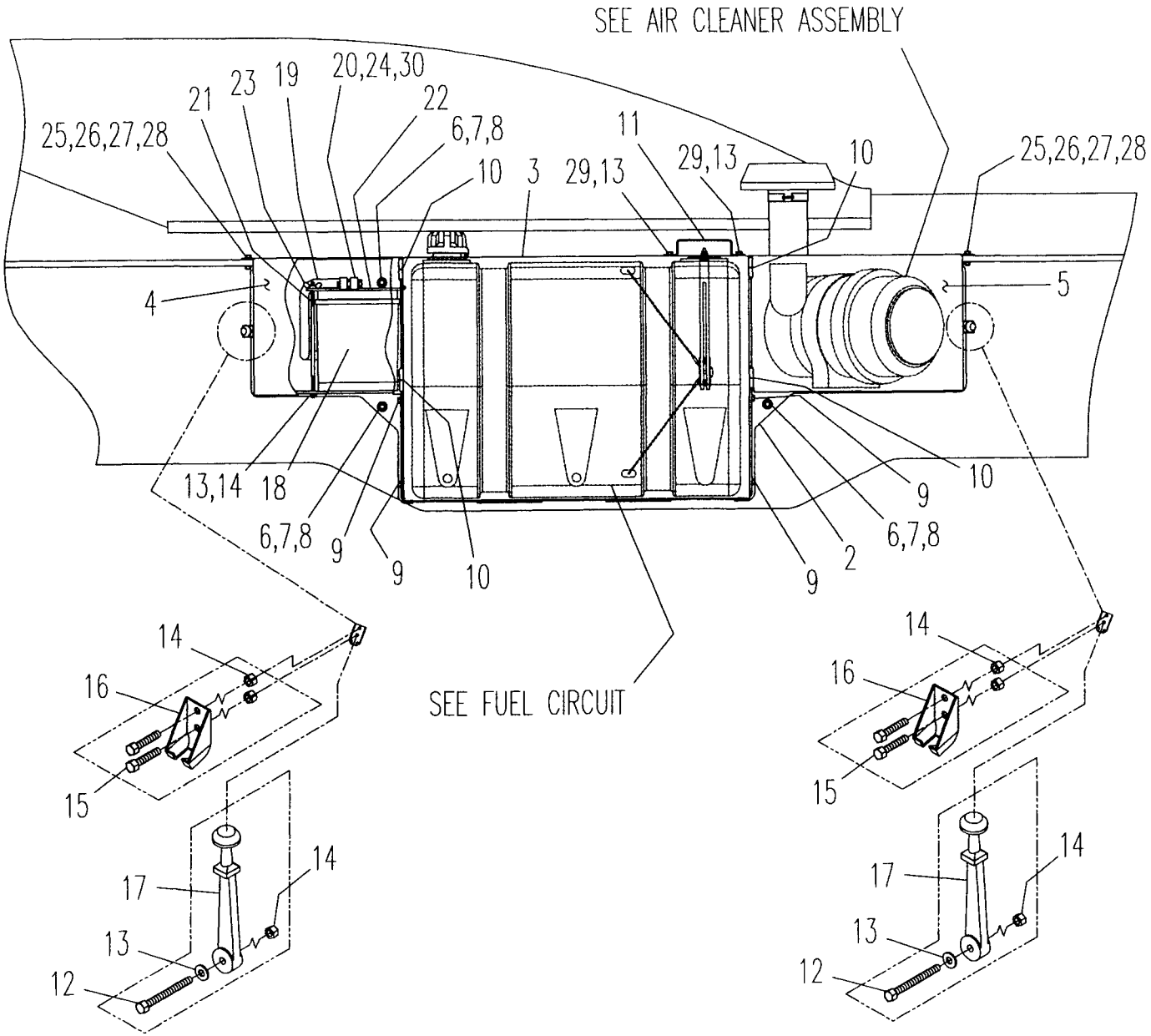
33	PAGE NUMBER	CIRCUIT / FUEL TH528C w/ CUMMINS B3.3 TURBO ENGINE		DRAWING NUMBER	P1-1653

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	6-9605-576	HOSE / FUEL 3/8 x 72 LG.	2
10	6-6252-20	HOSE CLAMP / # 4	4
11	7-121-02	FITTING / 90 / 3/8 HOSE	2
12	7-121-01	RUBBER BUSHING / FUEL TANK	2

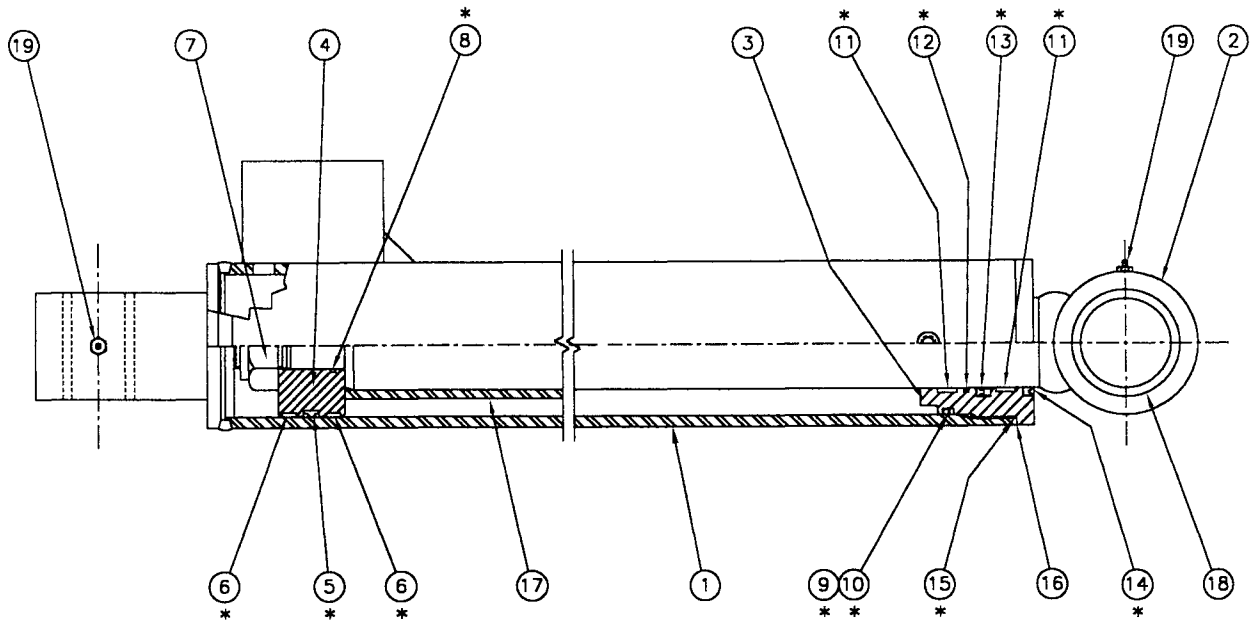


34	PAGE NUMBER	STARTER RELAY / SENDER ASSEMBLY TH528C w/ CUMMINS B3.3 TURBO ENGINE	DRAWING NUMBER	P1-1654

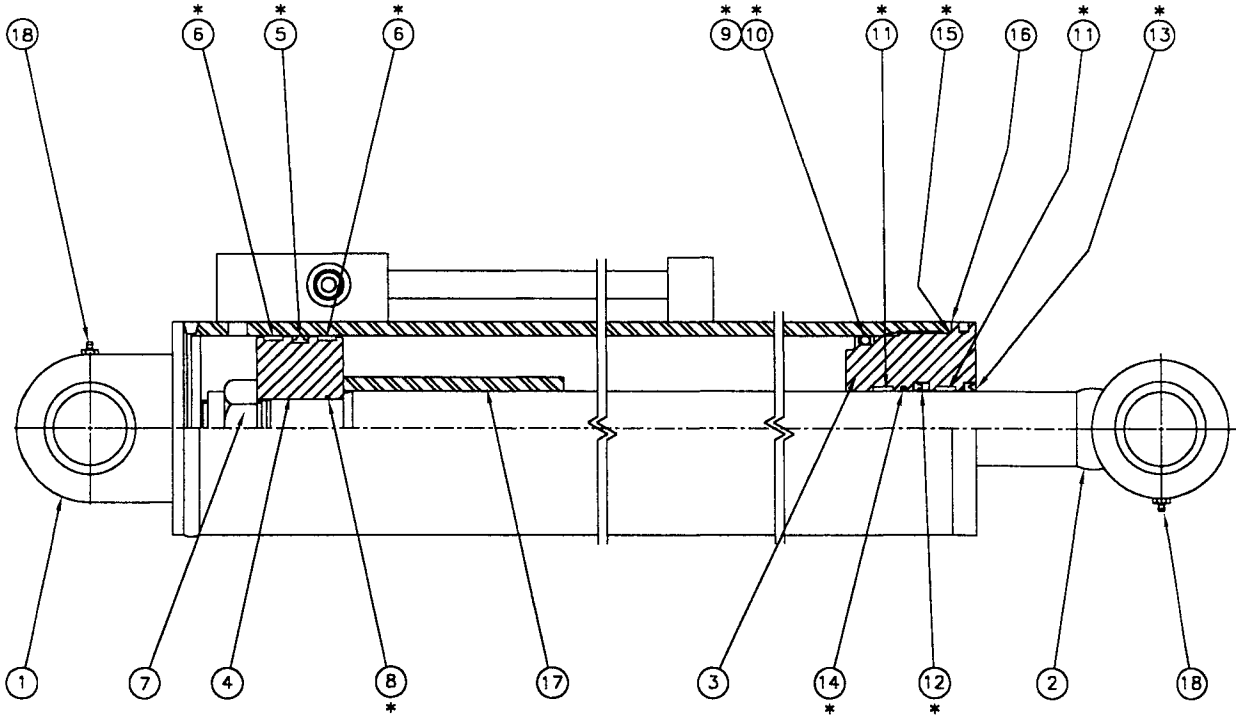
ITEM	NUMBER	DESCRIPTION	REQD
1	7-172-17	SENDER / TRANS. OIL TEMP.	1
2	7-172-09	SENDER / ENGINE WATER TEMP.	1
3	2-1329	MOUNT / STARTER RELAY	1
4	6-8510-20	CAPSCREW 10mm x 1.50 x 20mm LG.	2
5	6-9112-10	LOCKWASHER 10mm	2
6	7-343-115	RELAY / STARTER	1
7	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	2
8	6-6212-04	FLATWASHER 1/4	2
9	6-6201-04	HEX NUT 1/4 NC	2
10	1-1094	GROUND WIRE / STARTER RELAY	REF
11	7-172-05	SENDER / ENGINE OIL PRESSURE	1
12	7-343-114	FITTING / 02 PT M. x 02 NPT F. STR.	1
13	7-172-16	SENDER / TRANS. OIL PRESSURE	1
14	6-6286-06	HEX NUT #10-32	REF
15	6-6422-01	FITTING / 02 NPT 90 BR. ST. ELBOW	1


SEE AIR CLEANER ASSEMBLY
SEE FUEL CIRCUIT
25,26,27,28
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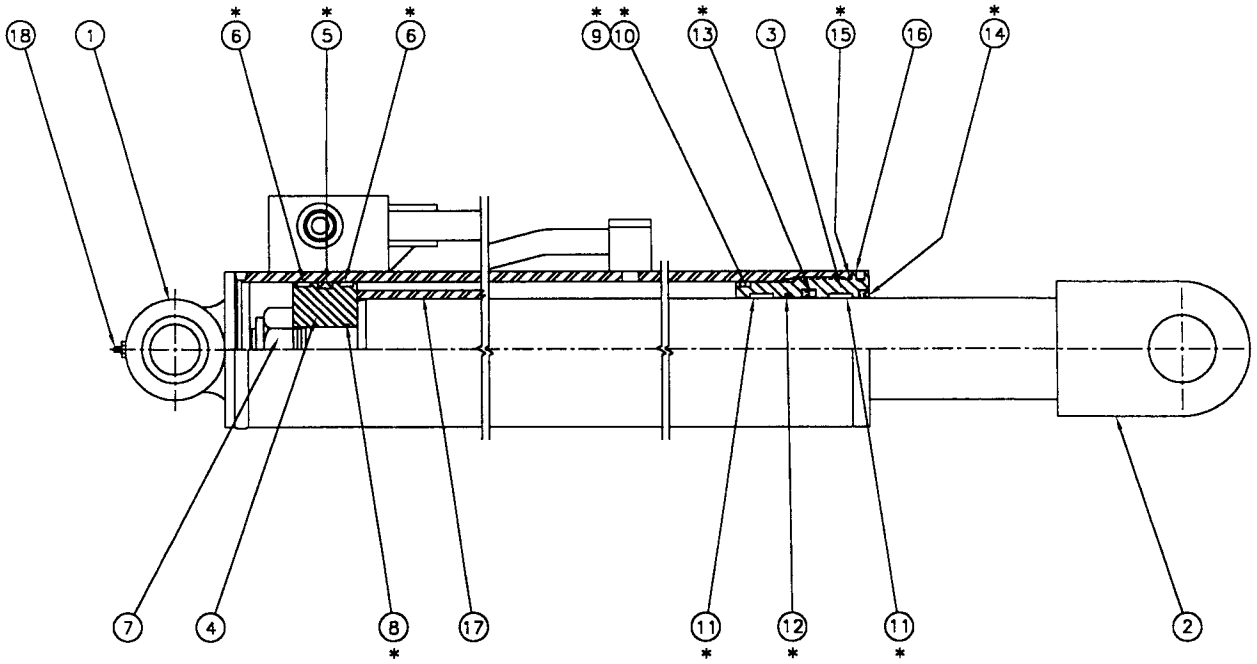
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2189	ENCLOSURE ASSY (ITEMS 2,3,4 & 5)	1
2	4-2189-1	WELDMENT / ENCLOSURE SUPPORT	REF
3	4-2189-9	WELDMENT / FUEL TANK COVER	REF
4	4-2189-10	WELDMENT / BATTERY COVER DOOR	REF
5	4-2189-11	WELDMENT / AIR CLEANER COVER DOOR	REF
6	6-5208-08	CAPSCREW 1/2 NC x 2 LG.	4
7	6-6211-08	LOCKWASHER 1/2	4
8	6-6201-08	HEX NUT 1/2 NC	4
9	7-290-01	BODY BOLT 5/16 NC x 3/4 LG.	10
10	7-294-24	BRASS BEARING WASHER / 6mm	4
11	4-2154-3	COVER / FUEL SENDER	1
12	6-5204-10	CAPSCREW 1/4 NC x 1 1/4 LG.	2
13	6-6212-04	FLATWASHER 1/4	5
14	6-6205-04	SELF LOCKING NUT 1/4 NC	7
15	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	4
16	7-360-01	PLASTIC HOLDER	2
17	7-360-02	LATCH / RUBBER	2
18	7-355-01	BATTERY	1
19	6-7801-180B	BATTERY CABLE / RED (POSITIVE)	1
20	6-7802-88B	BATTERY CABLE / BLACK (NEGATIVE)	1
21	2-1251	BATTERY HOLD-DOWN ROD	1
22	3-1452	BATTERY HOLD-DOWN	1
23	7-194-74	WING NUT 1/4 NC SELF LOCKING	1
24	6-8512-25	CAPSCREW 12mm x 1.75 x 25mm LG.	1
25	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	2
26	6-6212-06	FLATWASHER 3/8	2
27	6-6211-06	LOCKWASHER 3/8	2
28	6-6201-06	HEX NUT 3/8 NC	2
29	6-5205-05	CAPSCREW 5/16 NC x 5/8 LG.	2
30	6-9111-12	LOCKWASHER 12mm	1



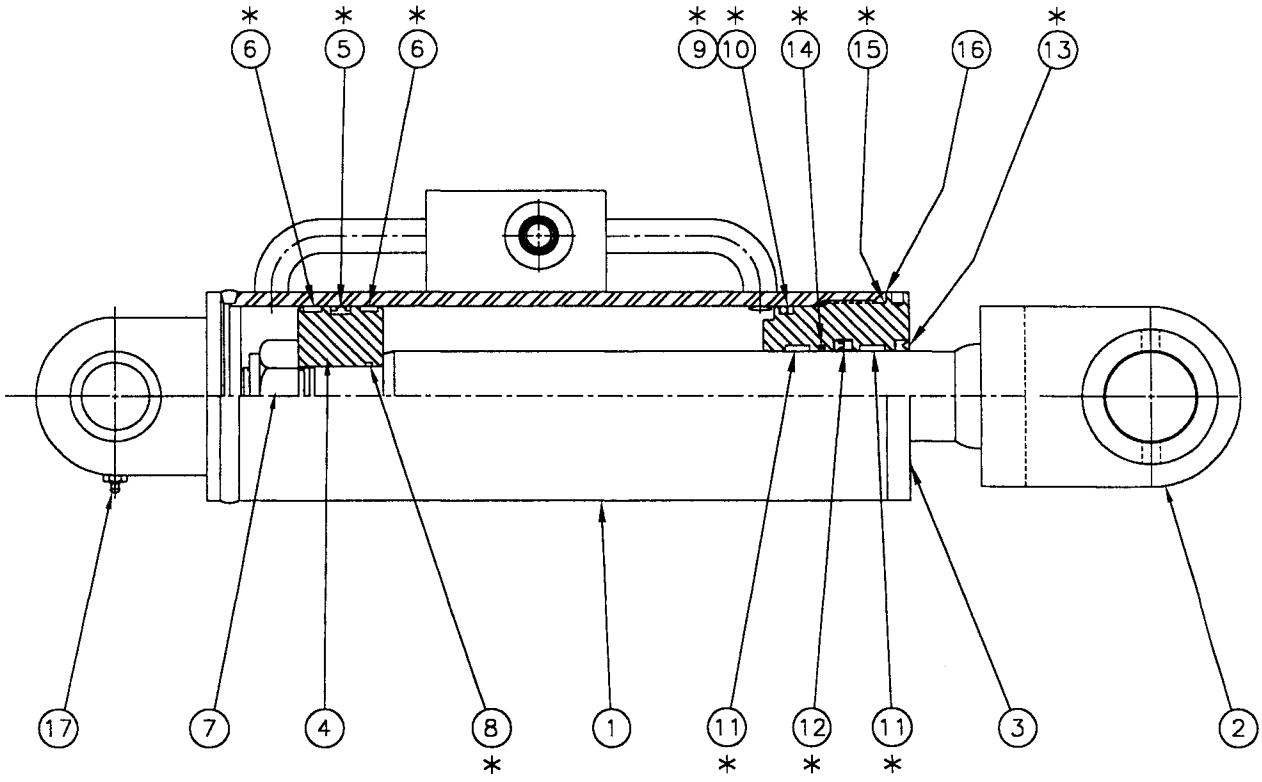
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-364	BARREL ASSEMBLY		1
2	7-316-365	ROD ASSEMBLY		1
3	7-316-368	HEAD		1
4	7-316-359	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP RING / HEAD	(*)	1
11	7-316-369	WEAR RING / HEAD	(*)	2
12	7-316-370	BUFFER SEAL	(*)	1
13	7-316-29	ROD SEAL	(*)	1
14	7-316-345	WIPER / CANNED	(*)	1
15	7-316-323	O-RING	(*)	1
16	7-316-247	SELF TAPPING SCREW		1
17	7-316-366	STROKE LIMITER		1
18	7-316-367	BUSHING		1
19	7-316-150	LUBE FITTING		3
20				
21	7-900-73	SEAL KIT / ITEMS MARKED	(*)	REF



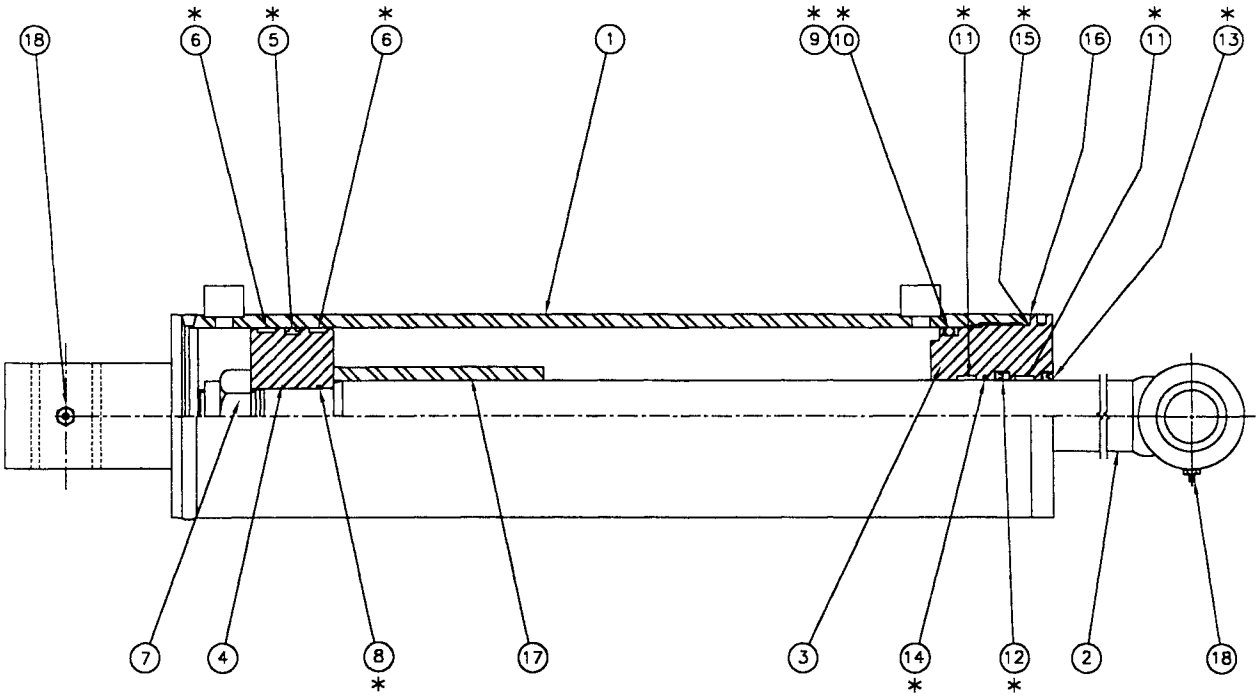
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-371	BARREL ASSEMBLY		1
2	7-316-280	ROD ASSEMBLY		1
3	7-316-372	HEAD		1
4	7-316-373	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-377	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP RING / HEAD	(*)	1
11	7-316-374	WEAR RING / HEAD	(*)	2
12	7-316-19	ROD SEAL	(*)	1
13	7-316-375	WIPER / CANNED	(*)	1
14	7-316-376	BUFFER SEAL	(*)	1
15	7-316-336	O-RING	(*)	1
16	7-316-247	SELF TAPPING SCREW		1
17	7-316-276	STROKE LIMITER		1
18	7-316-150	LUBE FITTING		2
19				
20	7-900-74	SEAL KIT / ITEMS MARKED	(*)	REF



ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-357	BARREL ASSEMBLY		1
2	7-316-358	ROD ASSEMBLY		1
3	7-316-360	HEAD		1
4	7-316-359	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP RING / HEAD	(*)	1
11	7-316-363	WEAR RING / HEAD	(*)	2
12	7-316-362	BUFFER SEAL	(*)	1
13	7-316-30	ROD SEAL	(*)	1
14	7-316-346	WIPER / CANNED	(*)	1
15	7-316-323	O-RING	(*)	1
16	7-316-247	SELF TAPPING SCREW		1
17	7-316-271	STROKE LIMITER		1
18	7-316-150	LUBE FITTING		1
19				
20	7-900-73	SEAL KIT / ITEMS MARKED	(*)	REF

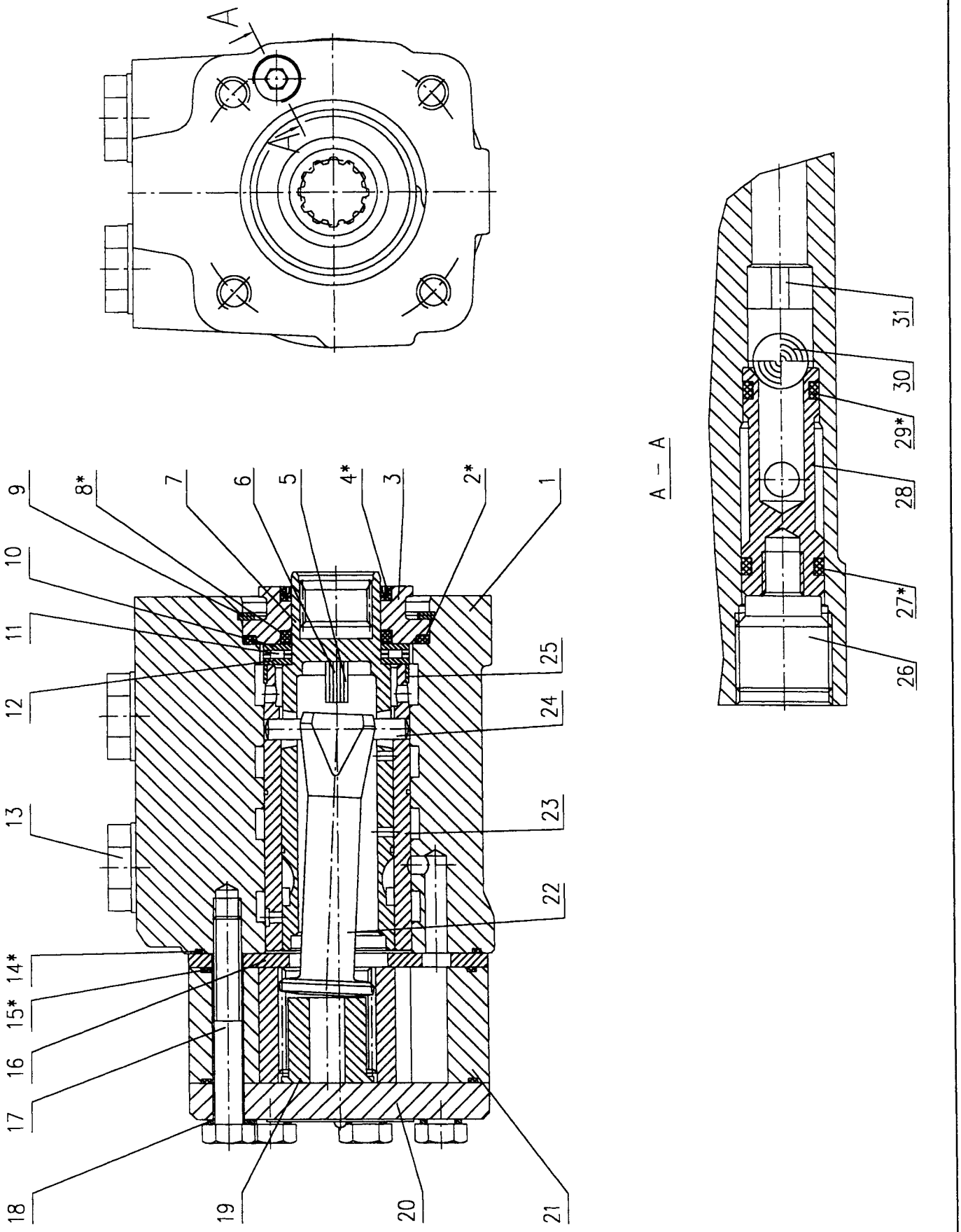


ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-380	BARREL ASSEMBLY		1
2	7-316-381	ROD ASSEMBLY		1
3	7-316-379	HEAD		1
4	7-316-359	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP RING / HEAD	(*)	1
11	7-316-374	WEAR RING / HEAD	(*)	2
12	7-316-19	ROD SEAL	(*)	1
13	7-316-375	WIPER / SHAFT	(*)	1
14	7-316-376	BUFFER SEAL	(*)	1
15	7-316-323	O-RING	(*)	1
16	7-316-247	SELF TAPPING SCREW		1
17	7-316-150	LUBE FITTING		1
18				
19	7-900-76	SEAL KIT / ITEMS MARKED	(*)	REF



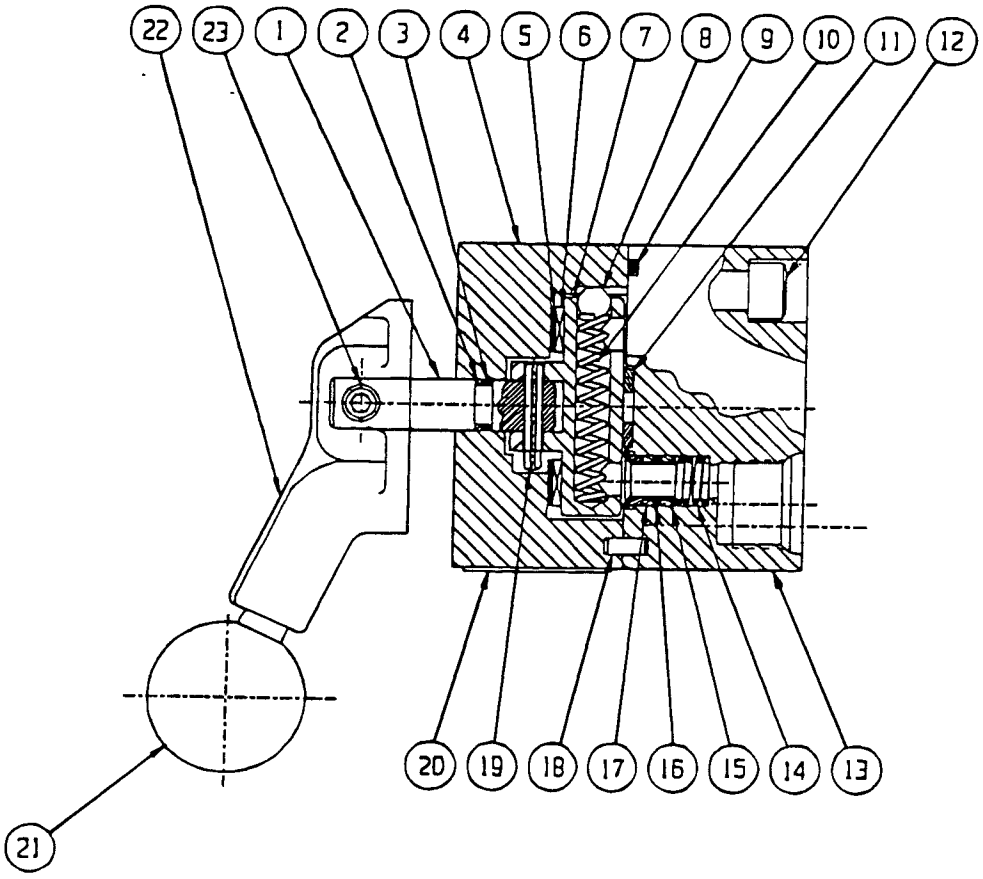
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-378	BARREL ASSEMBLY		1
2	7-316-275	ROD ASSEMBLY		1
3	7-316-372	HEAD		1
4	7-316-373	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-377	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP RING / HEAD	(*)	1
11	7-316-374	WEAR RING / HEAD	(*)	2
12	7-316-19	ROD SEAL	(*)	1
13	7-316-375	WIPER / CANNED	(*)	1
14	7-316-376	BUFFER SEAL	(*)	1
15	7-316-336	O-RING	(*)	1
16	7-316-247	SELF TAPPING SCREW		1
17	7-316-276	STROKE LIMITER		1
18	7-316-150	LUBE FITTING		2
19				
20	7-900-75	SEAL KIT / ITEMS MARKED	(*)	REF

NOTES

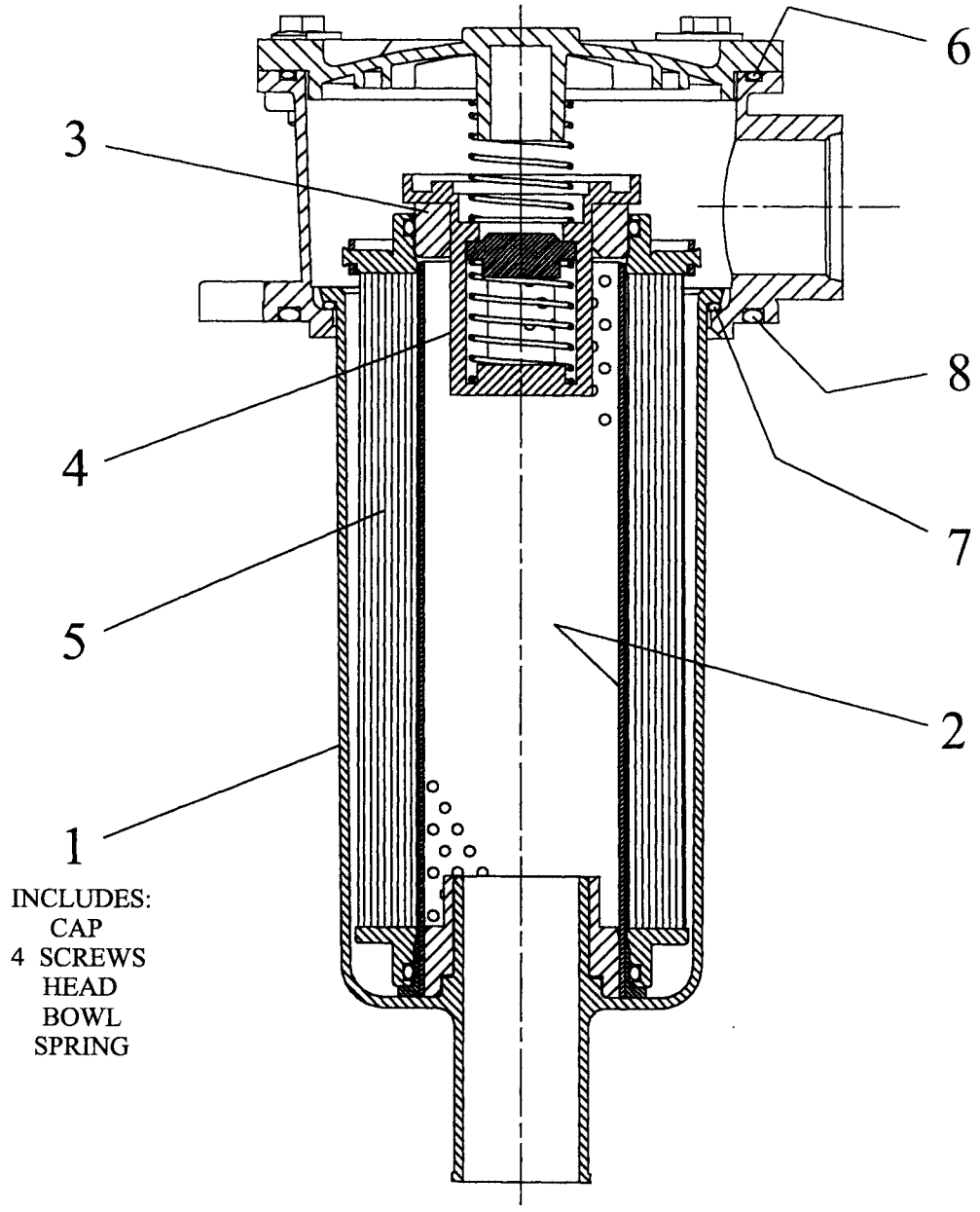


41	PAGE NUMBER	ORBITRAL ASSEMBLY / 7-147-01 TH528C		DRAWING NUMBER	P1-1554

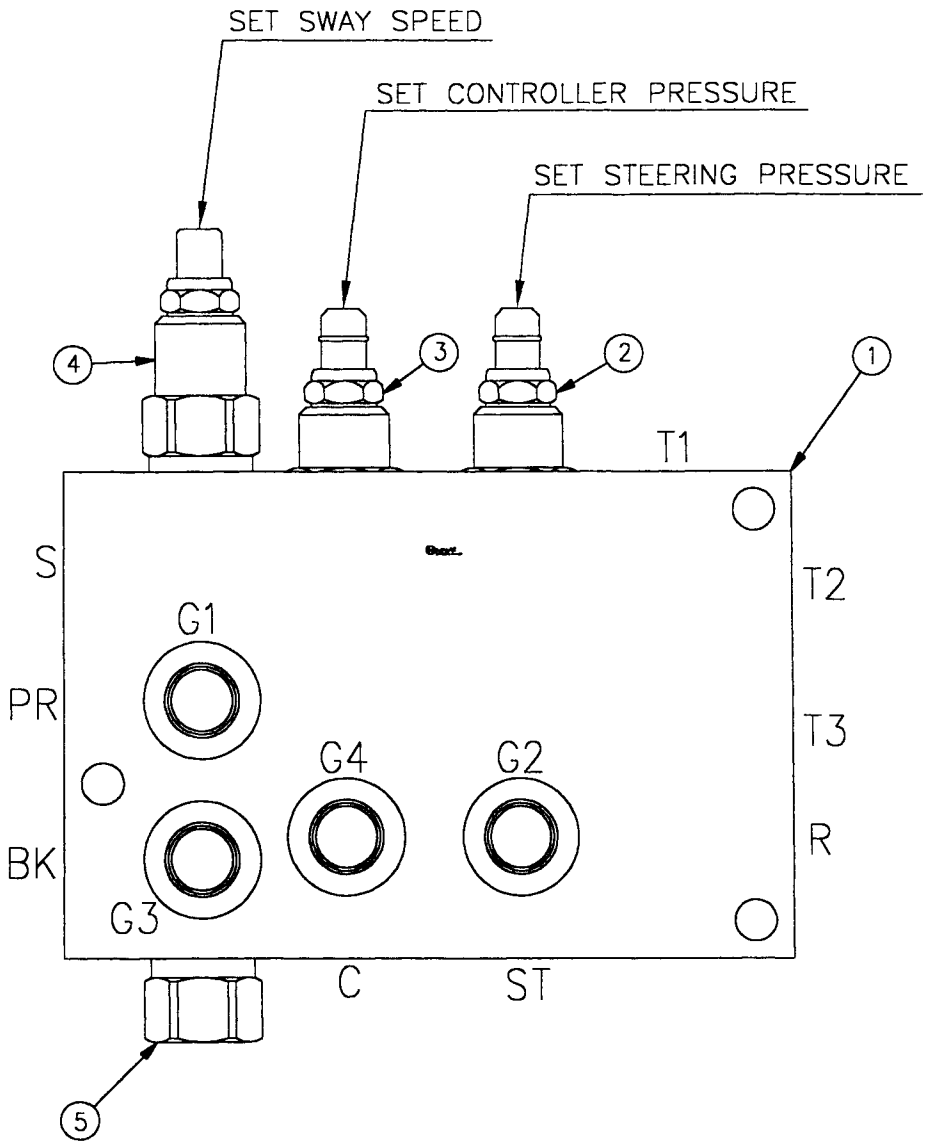
ITEM	NUMBER	DESCRIPTION	REQD
1	7-147-08	HOUSING	1
2	7-147-09	O-RING*	1
3	7-147-10	FRONT COVER	1
4	7-147-11	DUST SEAL*	1
5	7-147-12	SPRING, FLAT	2
6	7-147-13	SPRING	4
7	7-147-14	CONTROL SPOOL	1
8	7-147-15	X-RING*	1
9	7-147-16	RETAINING RING	1
10	7-147-17	BEARING RACE 1	1
11	7-147-18	THRUST BEARING	1
12	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


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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



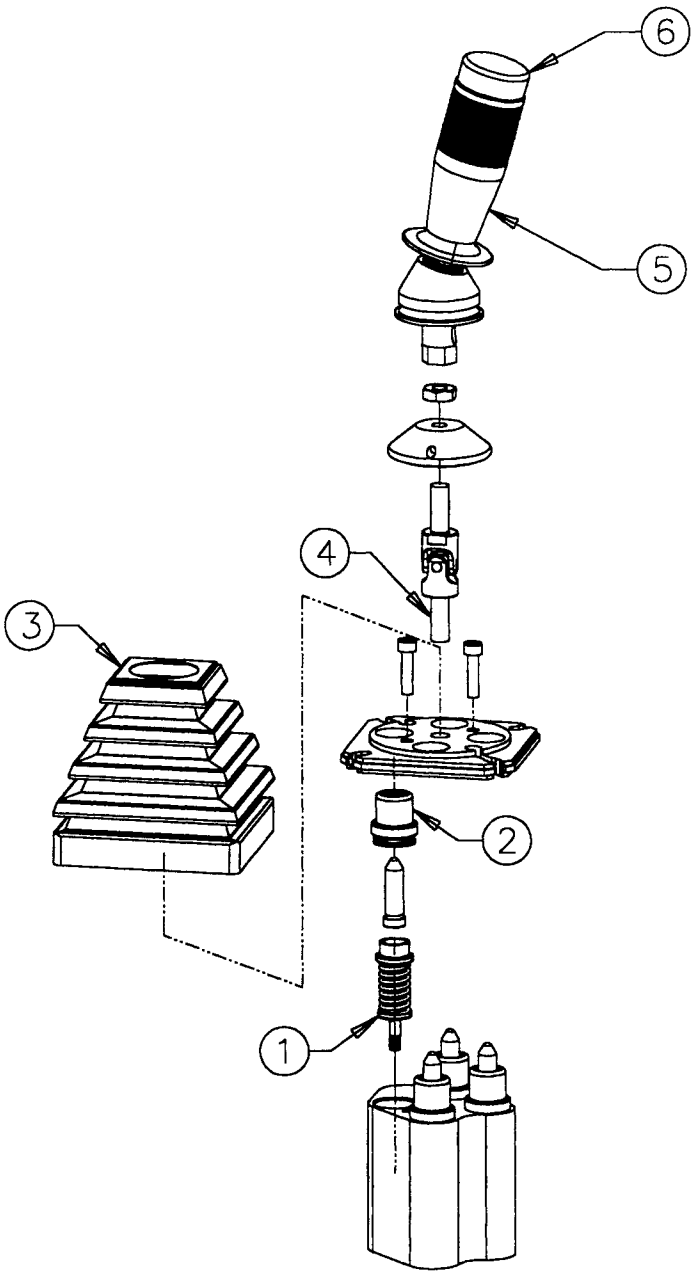
ITEM	NUMBER	DESCRIPTION	REQD
1	7-118-04	HOUSING SUB-ASSEMBLY	1
2	7-118-05	CORE ASSEMBLY	1
3	7-118-06	UPPER NIPPLE	1
4	7-118-07	BYPASS VALVE	1
5	7-118-02	ELEMENT / FILTER	1
6	7-118-03	O-RING	1
7	7-118-08	O-RING	1
8	7-118-09	O-RING	1



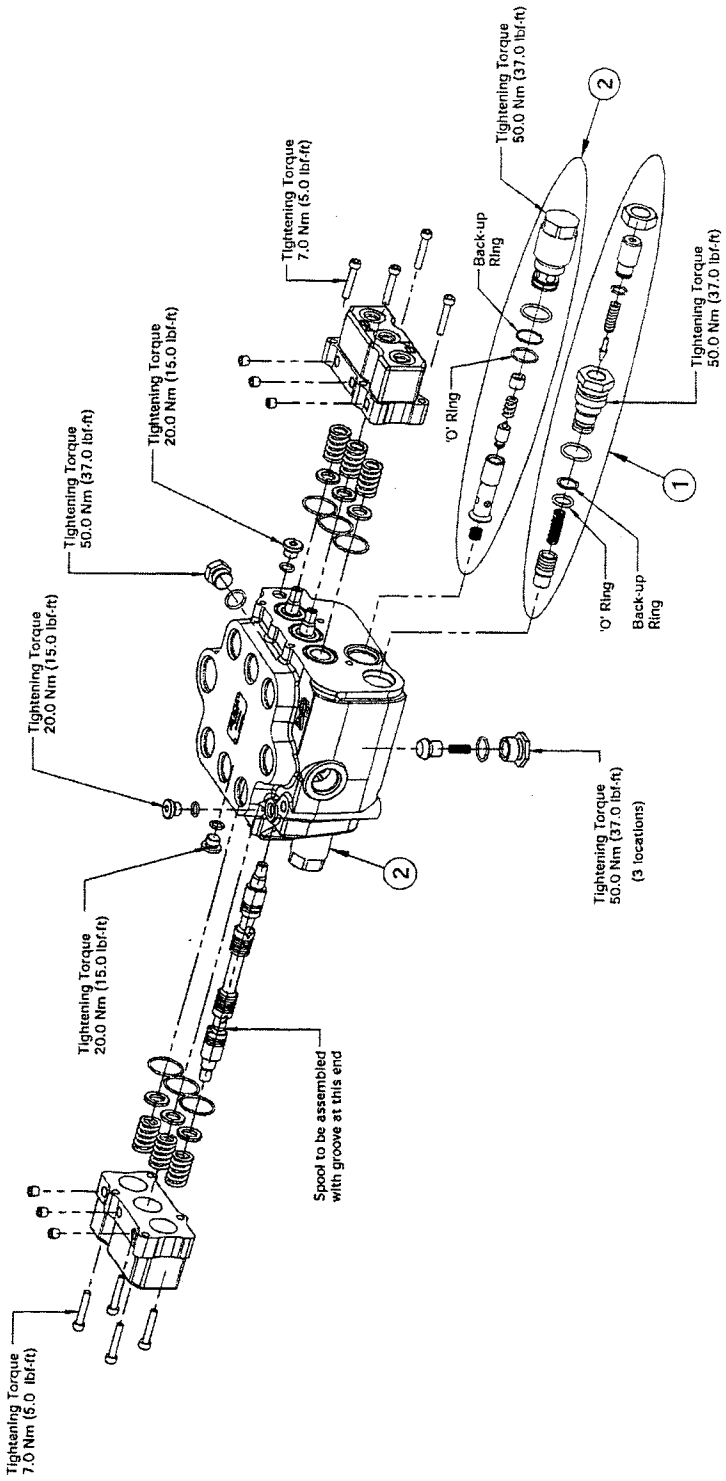
PRESSURE SETTINGS

G1	SYSTEM PRESSURE	3000 PSI
G2	STEERING PRESSURE	2250 PSI
G3	BRAKE PRESSURE	3000 PSI
G4	CONTROLLER PRESSURE	500 PSI

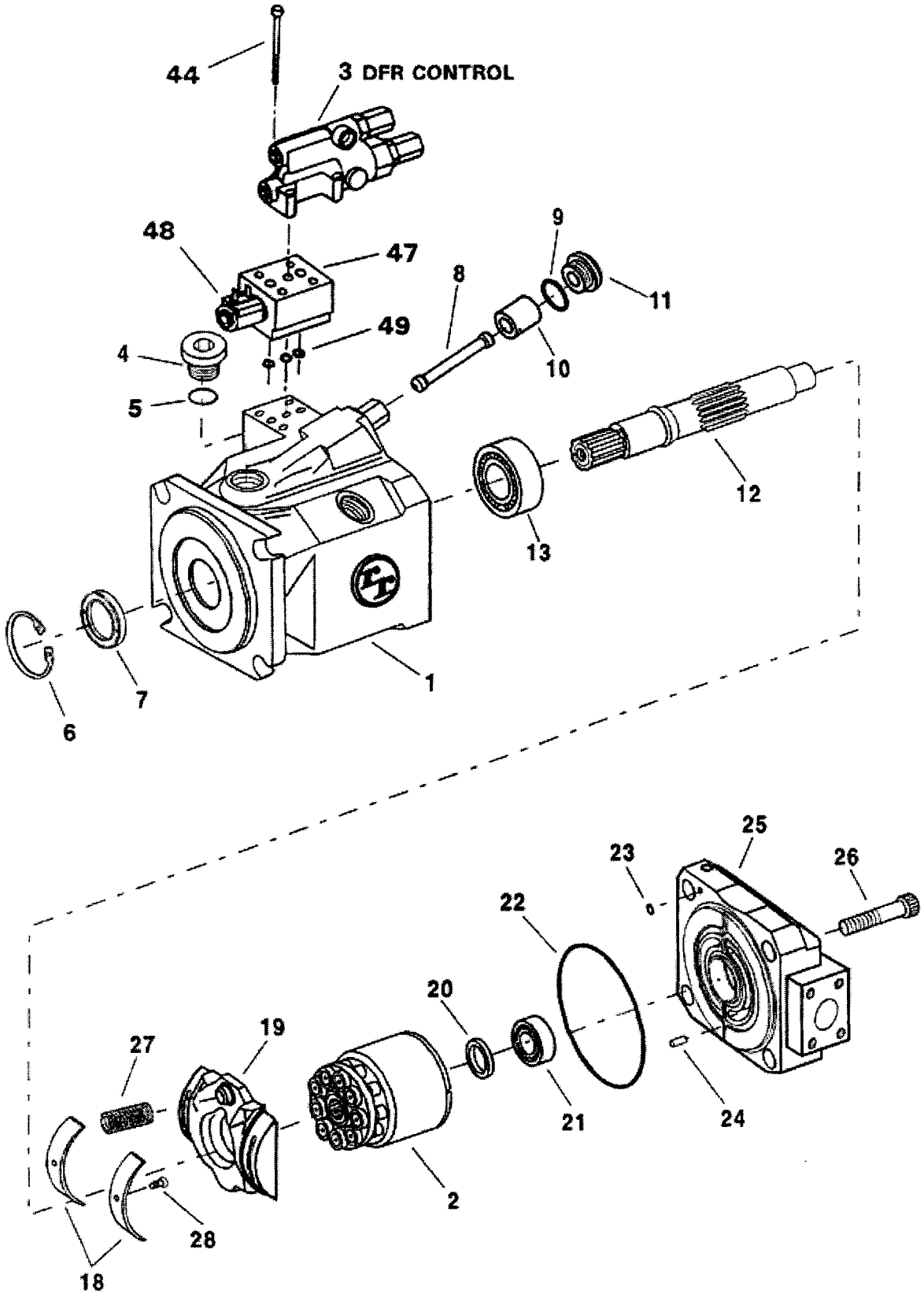
ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-97	BODY	1
2	7-234-28	CARTRIDGE / REDUC.-RELIEVING	1
3	7-234-13	CARTRIDGE / REDUC.-RELIEVING	1
4	7-234-37	CARTRIDGE / NEEDLE	1
5	7-234-80	CARTRIDGE / CHECK	1
6	7-234-94	CONTROL BLOCK ASSEMBLY (ITEMS 1-5)	1



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

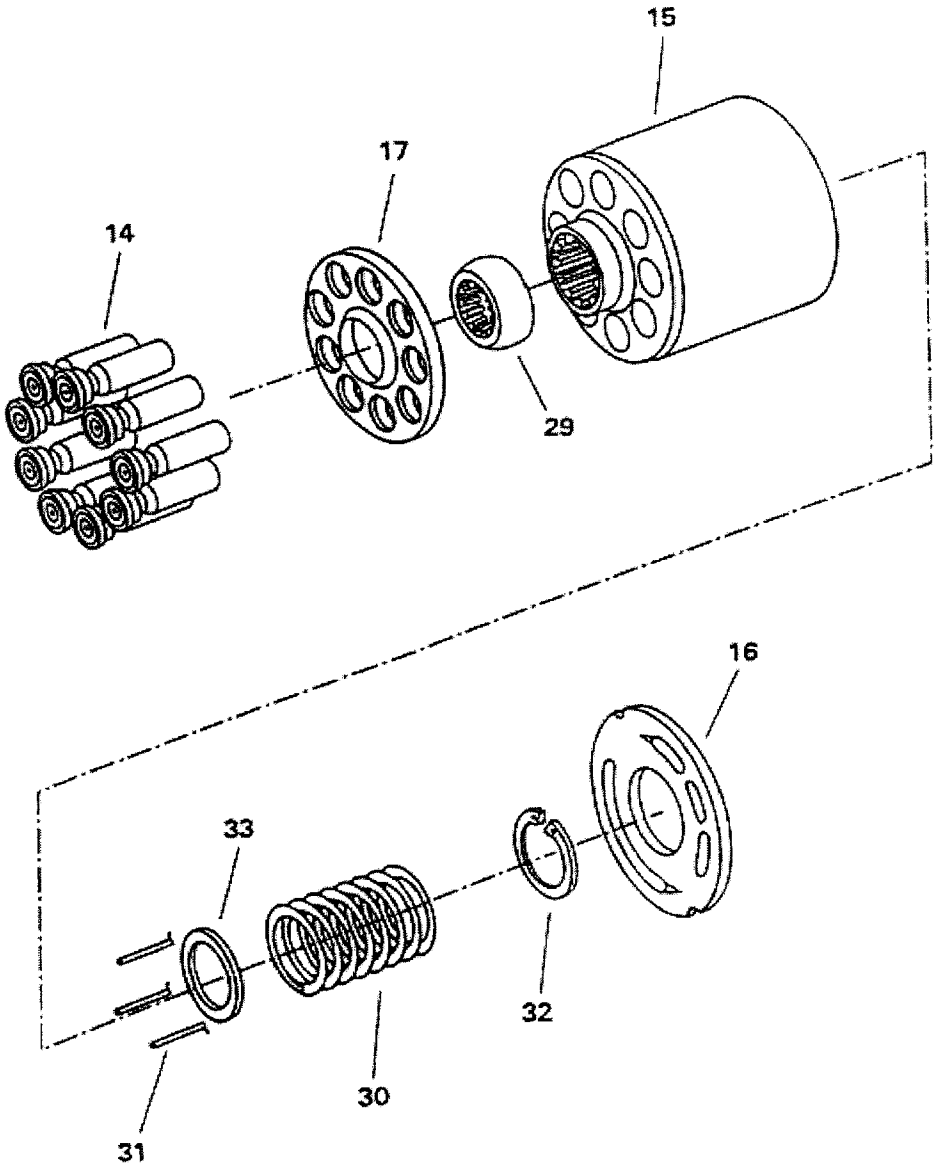


ITEM	NUMBER	DESCRIPTION	REQD
1	7-358-35	ASSEMBLY / MAIN RELIEF VALVE	1
2	7-358-36	ASSEMBLY / OVERLOAD RELIEF VALVE	2
3	7-358-37	REPAIR KIT / MAIN RELIEF VALVE	REF
4	7-358-39	REPAIR KIT / OVERLOAD RELIEF VALVE	REF
5	7-358-40	REPAIR KIT / COMPLETE MAIN VALVE	REF

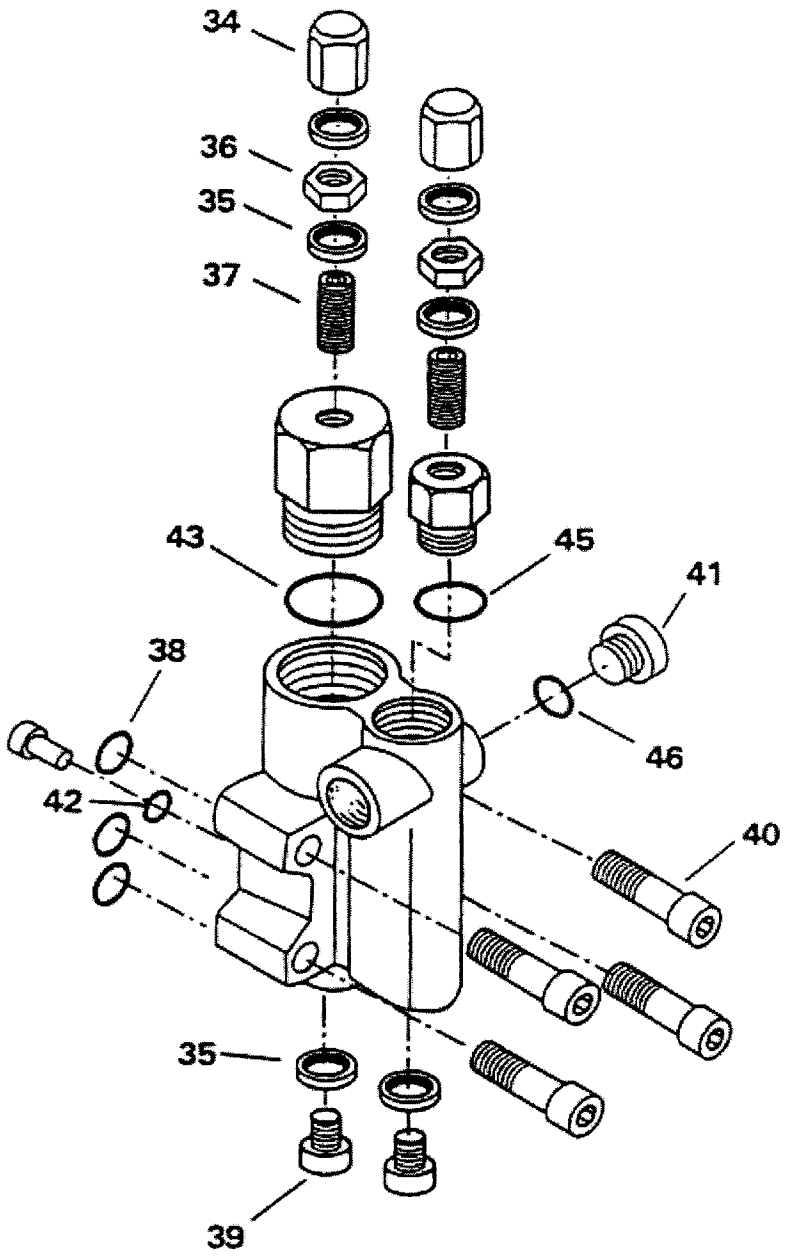


47	PAGE NUMBER	HYDRAULIC PUMP ASSEMBLY / 7-345-113 TH528C		DRAWING NUMBER	P4-2059

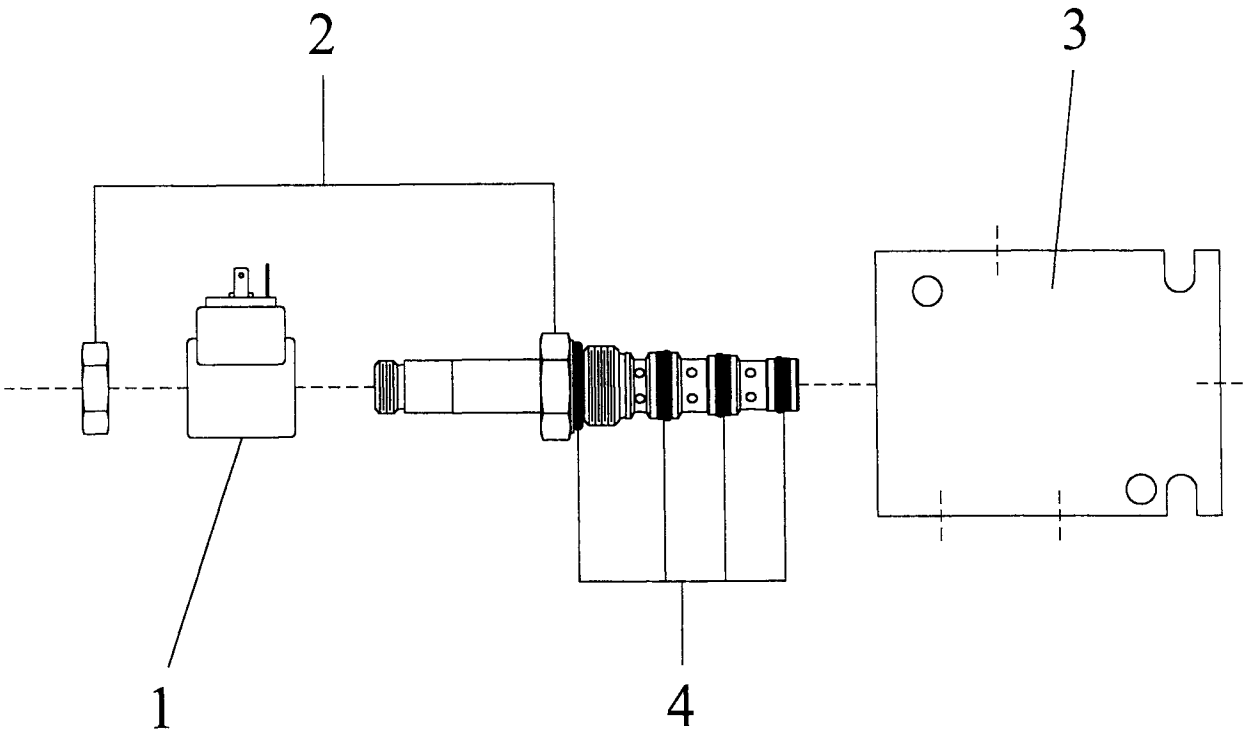
ITEM 2
ROTARY GROUP CW
PARTS BREAKDOWN



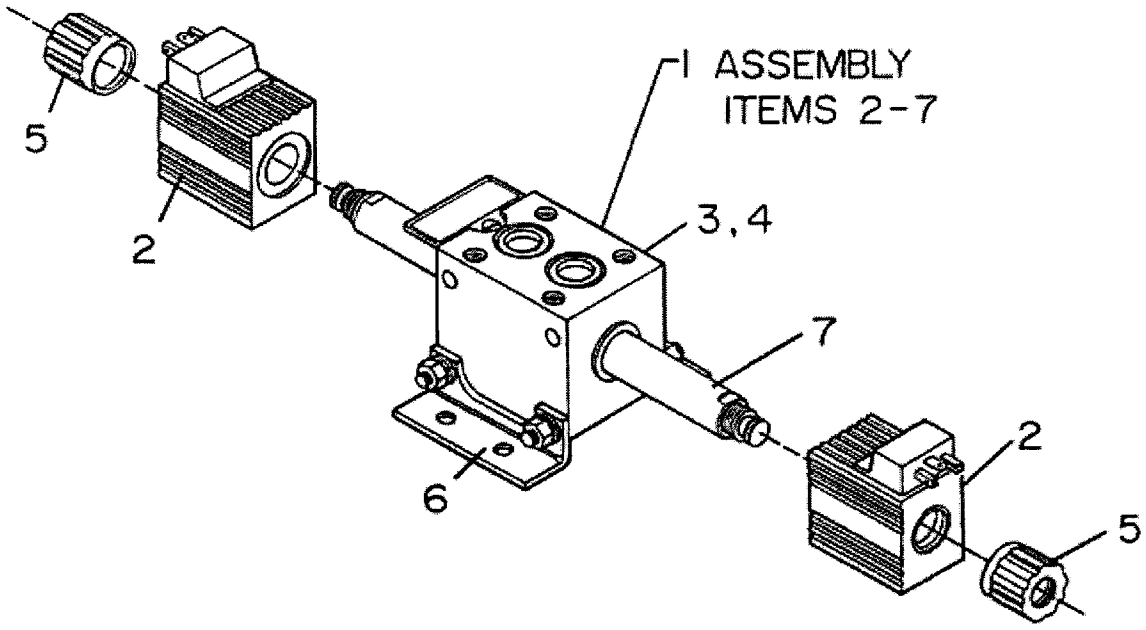
ITEM 3
DFR CONTROL
PARTS BREAKDOWN



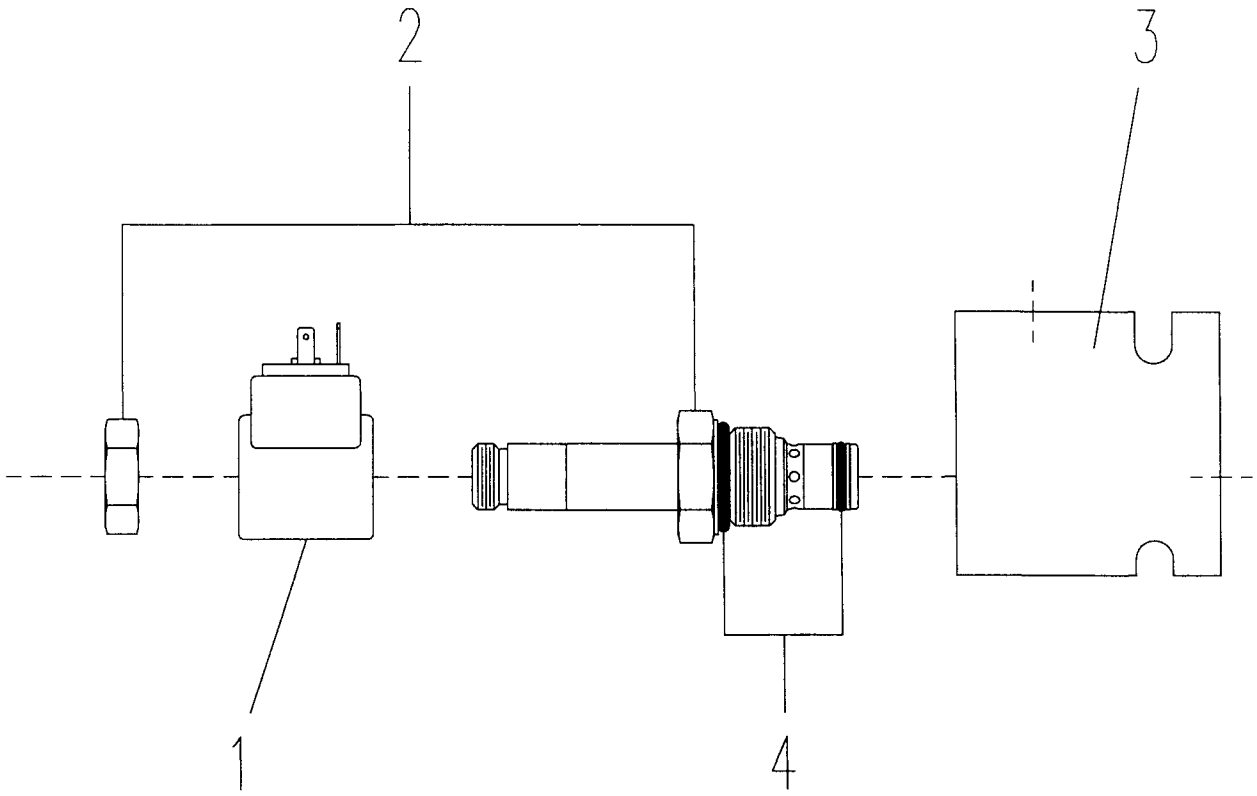
ITEM	NUMBER	DESCRIPTION		REQD
1	7-345-159	HOUSING ASSEMBLY		1
2	7-345-160	ROTARY GROUP CW		1
3	7-345-140	DFR CONTROL		1
4	7-345-05	PLUG		1
5	7-345-06	O-RING	(*)	1
6	7-345-08	SNAP RING		1
7	7-345-09	SHAFT SEAL	(*)	1
8	7-345-10	ROD		1
9	7-345-11	O-RING	(*)	1
10	7-345-12	PISTON		1
11	7-345-161	PLUG		1
12	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	1

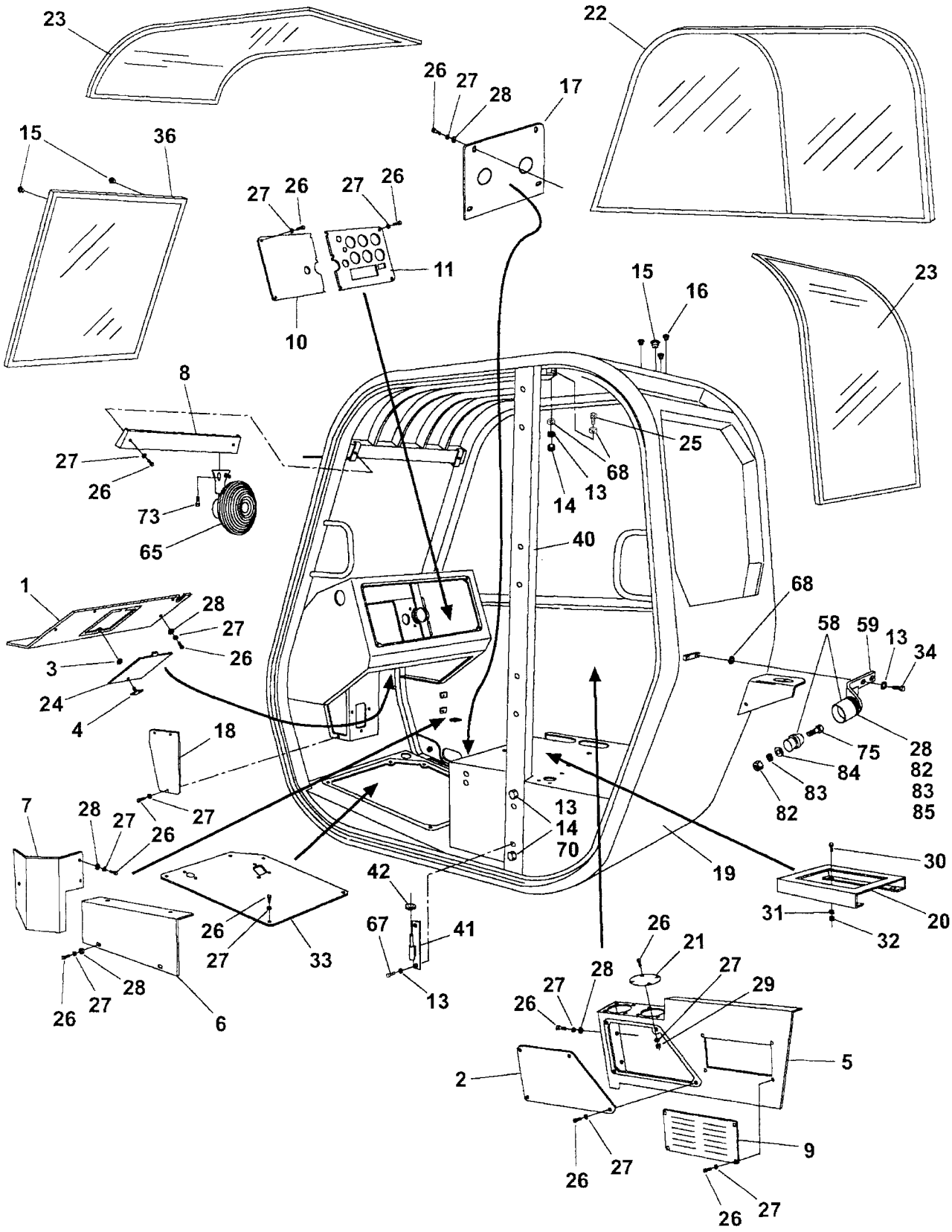


ITEM	NUMBER	DESCRIPTION	REQD
1	7-244-31	ELECTRIC VALVE ASSY / 4-WAY	1
2	7-244-40	COIL / DIN	2
3	7-244-17	SPOOL	1
4	7-244-18	VALVE BODY	1
5	7-244-19	END CAP	2
6	7-244-44	BRACKET ASSEMBLY	1
7	7-244-24	TUBES & PIN / SPOOL ACTUATING	1

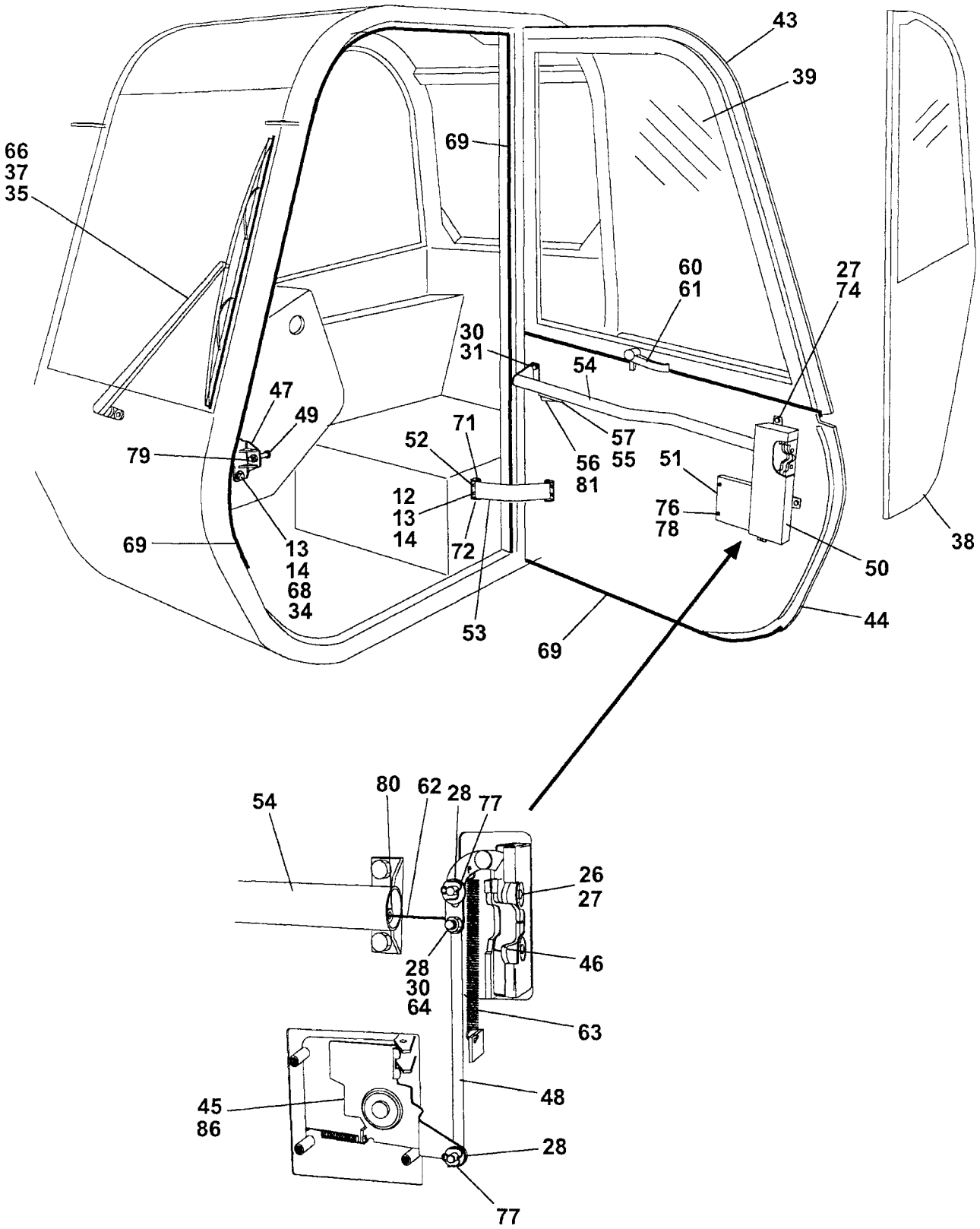


ITEM	NUMBER	DESCRIPTION	REQD
1	7-367-05	COIL / DIN	1
2	7-367-06	CARTRIDGE ASSEMBLY w/ NUT	1
3	7-367-07	BODY	1
4	7-367-17	SEAL KIT / CARTRIDGE	REF

OPTIONAL EQUIPMENT SECTION



51	PAGE NUMBER	FULLY ENCLOSED CAB ASSEMBLY / 7-114-03 TH528C		DRAWING NUMBER	P1-1740



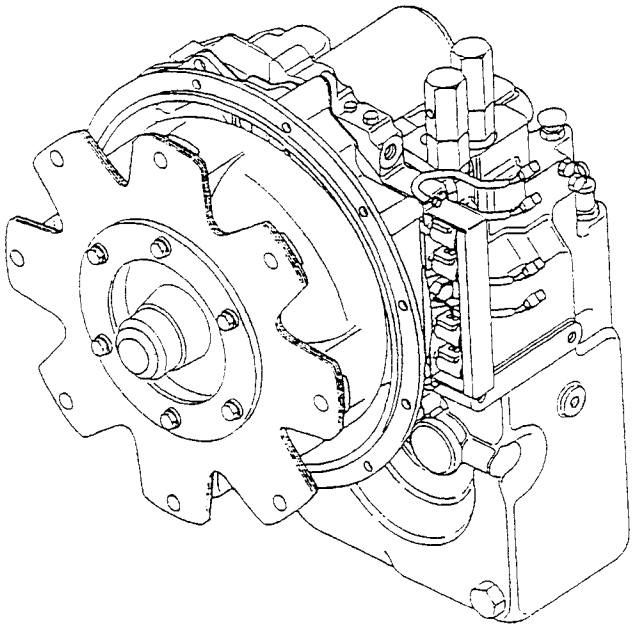
DRAWING NUMBER	P1-1740	FULLY ENCLOSED CAB ASSEMBLY / 7-114-03 TH528C	PAGE NUMBER	51A

ITEM	NUMBER	DESCRIPTION	REQD
1	7-114-11	COVER / LOWER DASH	1
2	7-114-12	ACCESS PANEL / JOYSTICK	1
3	7-114-14	PUSH NUT / 1/4	1
4	7-114-13	WING THUMB SCREW	1
5	7-114-16	MOUNT / JOYSTICK & ARMREST	1
6	7-114-17	COVER / LOWER HOSE	1
7	7-114-18	COVER / CORNER / HOSE	1
8	7-114-19	MOUNT / FAN & MIRROR	1
9	7-114-23	GRILL / HEATER INTAKE	1
10	7-114-27	DASH PANEL / LH SIDE	1
11	7-114-28	DASH PANEL / RH SIDE	1
12	7-114-46	CARRIAGE BOLT 3/8 NC x 3/4 LG.	2
13	6-6211-06	LOCKWASHER 3/8	18
14	6-6201-06	HEX NUT 3/8 NC	8
15	7-114-34	HOLE PLUG / 1/2 / HEADLIGHT-STROBE	3
16	7-114-35	HOLE PLUG / 5/16 / STROBE LIGHT	3
17	7-114-07	COVER / SEAT BOX	1
18	7-114-08	BRAKE ACCESS PANEL	1
19	7-114-05	CAB WELDMENT	1
20	7-114-20	SEAT RISER	1
21	7-114-26	COVER / JOYSTICK CUT-OUT	1
22	7-114-59	SLIDING WINDOW ASSEMBLY / RH	1
23	7-114-21	GLASS / TOP & REAR WINDOW / TINTED	2
24	7-114-09	COVER / FUSE PANEL	1
25	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	2
26	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	50
27	6-6211-04	LOCKWASHER 1/4	53
28	6-6212-04	FLATWASHER 1/4	23
29	6-6201-04	HEX NUT 1/4 NC	4
30	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	9
31	6-6211-05	LOCKWASHER 5/16	8
32	6-6201-05	HEX NUT 5/16 NC	4
33	7-114-06	COVER / FOOT PEDAL	1
34	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	4
35	7-114-47	WINDSHIELD WIPER KIT	1
36	7-114-30	FRONT WINDSHIELD / TINTED	1
37	7-114-86	SCREW, PAN HD. 1/4-28 NF x 1 1/4 LG.	2
38	7-114-48	LEFT REAR WINDOW / TINTED	1
39	7-114-49	DOOR WINDOW / TINTED	1
40	7-114-50	DOOR POST WELDMENT	1
41	7-114-51	HINGE WELDMENT	4
42	7-114-52	HINGE BRASS BUSHING	4
43	7-114-53	UPPER DOOR WELDMENT	1
44	7-114-54	LOWER DOOR WELDMENT	1
45	7-114-55	PADDLE HANDLE	1
46	7-114-56	DOOR LATCH	1
47	7-114-57	CLOSURE BOLT BRACKET	1
48	7-114-58	DOOR LINK	1
49	7-114-41	DOOR CLOSURE BOLT	1
50	7-114-60	LINKAGE COVER	1

ITEM	NUMBER	DESCRIPTION	REQD
51	7-114-61	COVER / DOOR LATCH	1
52	7-114-62	DOOR STRAP MOUNT	1
53	7-114-63	DOOR STRAP	1
54	7-114-64	INSIDE DOOR HANDLE	1
55	7-114-65	HOUSING / LEVER	1
56	7-114-66	LEVER	1
57	7-114-67	MACHINE SCREW #10-24 x 1/2 LG.	1
58	7-114-68	DOOR HOLDER	1
59	7-114-69	DOOR HOLD-BACK MOUNT	1
60	7-114-70	UPPER DOOR HANDLE	1
61	7-114-71	MACHINE SCREW M6 - 1.0 x 40mm LG.	1
62	7-114-72	CABLE	1
63	7-114-73	DOOR LATCH EXTENSION SPRING	1
64	7-114-74	CABLE ADJUSTER BOLT	1
65	7-347-02	FAN	1
66	6-6216-04	STARWASHER 1/4	2
67	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	8
68	6-6212-06	FLATWASHER 3/8	8
69	7-114-76	DOOR SEAL (PER FOOT)	15.5
70	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	2
71	6-5204-22	CAPSCREW 1/4 NC x 2 3/4 LG.	2
72	7-114-77	HEX NUT 1/4 NC WHIZ LOCK	2
73	7-114-78	SOCKET HD. CAPSCREW #10-24 x 3/8 LG.	4
74	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	3
75	7-114-79	BOLT, HEX M6 - 1.0 x 50mm CL 10.9	1
76	7-114-80	MACHINE SCREW #10-32 x 3/4 LG.	4
77	6-6243-06	COTTER PIN 3/32 x 3/4 LG.	2
78	6-9115-10	STARWASHER #10	4
79	7-114-81	HEX NUT 7/16 NC WHIZ LOCK	1
80	7-114-83	CABLE CASING	1
81	6-6286-10	FLATWASHER #8	1
82	7-114-82	NUT, HEX M6 - 1.0 CL 10	2
83	6-9111-06	LOCKWASHER 6mm	2
84	6-9112-06	FLATWASHER 6mm	1
85	7-114-84	BOLT, HEX M6 - 1.0 x 25mm CL 10.9	1
86	7-114-85	DOOR HANDLE GASKET	1

TRANSMISSION PARTS BOOK

TH528C TH528C TURBO
TH636C TH644C TH842C TH844C



DATE: 3-17-03

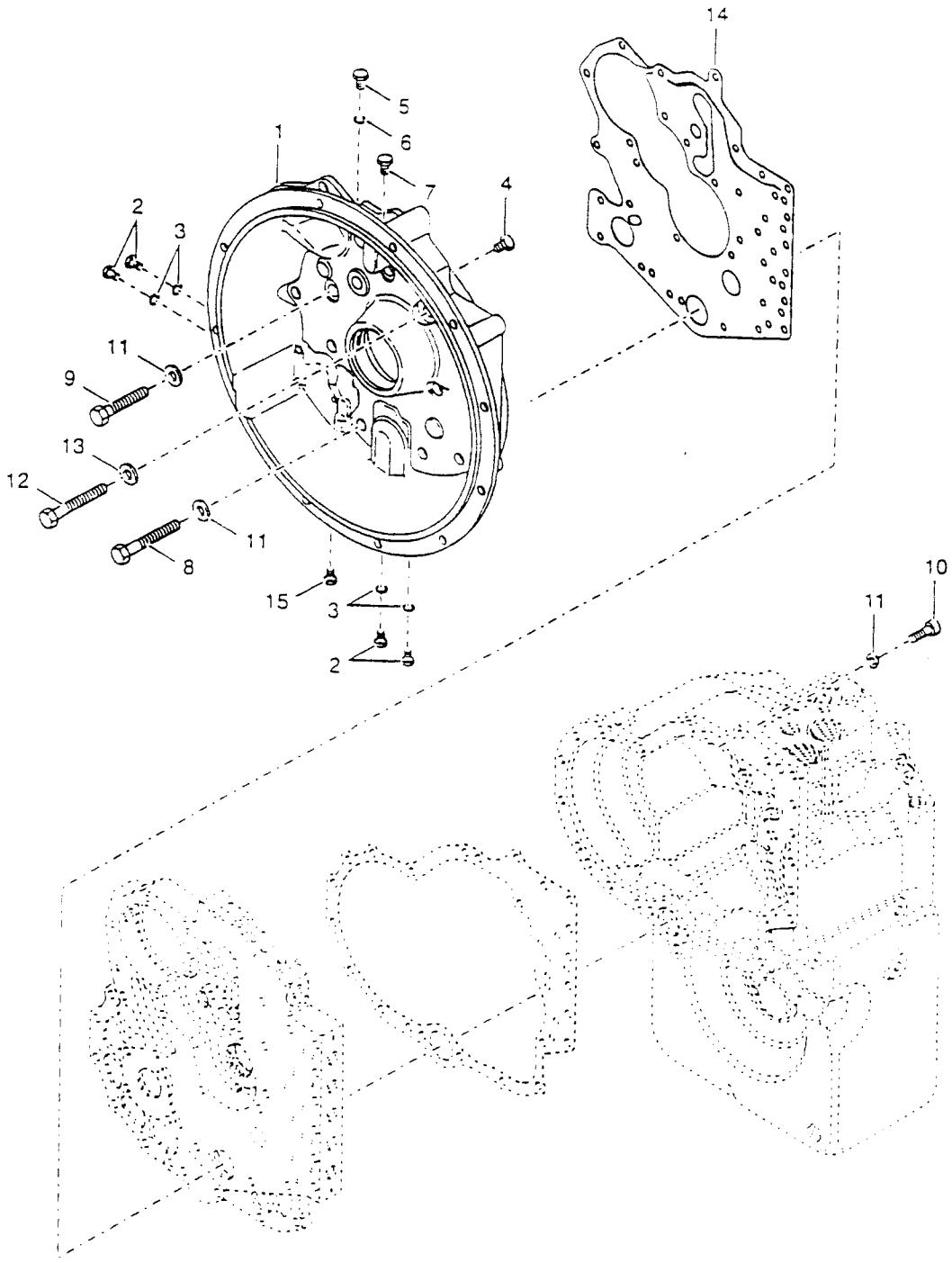
CLARK T12000 SERIES

INTERMEDIATE DROP

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

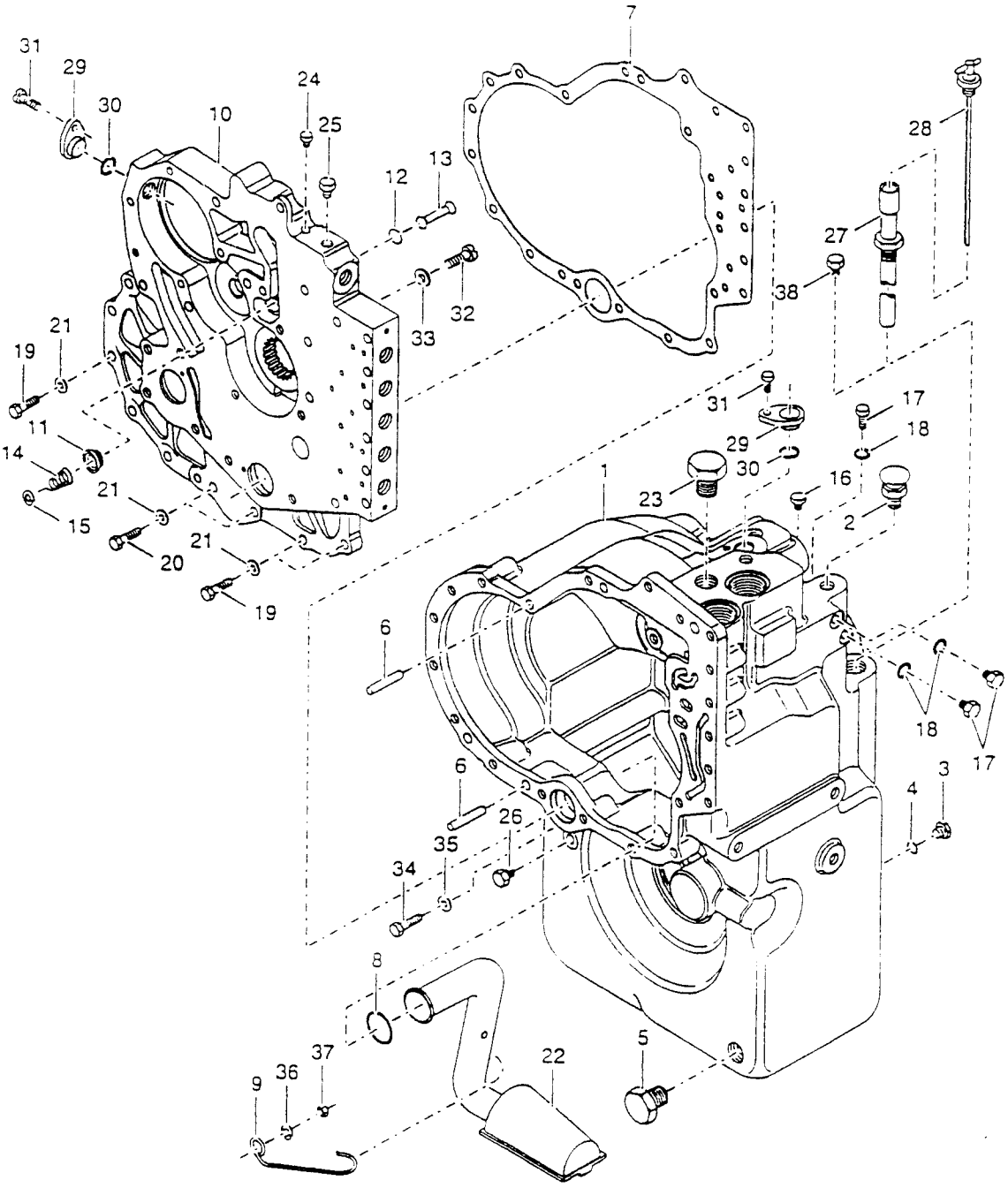
INDEX

PAGE	DESCRIPTION	DRAWING
1	CONVERTER HOUSING GROUP	P1-1244
2	TRANSMISSION CASE AND PLATE GROUP	P1-1245
3	TORQUE CONVERTER GROUP	P1-1265
4	GEAR GROUP	P1-1247
5	PUMP DRIVE GROUP	P1-1248
6	CHARGING PUMP GROUP	P1-1266
7	REVERSE IDLER GROUP	P1-1250
8	FORWARD AND REVERSE SHAFT GROUP	P1-1251
9	3rd SHAFT GROUP	P1-1252
10	FIRST AND SECOND SHAFT GROUP	P1-1253
11	OUTPUT SHAFT GROUP	P1-1254
12	ELECTRIC CONTROL GROUP	P1-1255
13	DRIVE PLATE GROUP / ALL EXC. TH528C TURBO	P1-1256
14	DRIVE PLATE GROUP / TH528C TURBO ONLY	P1-1791

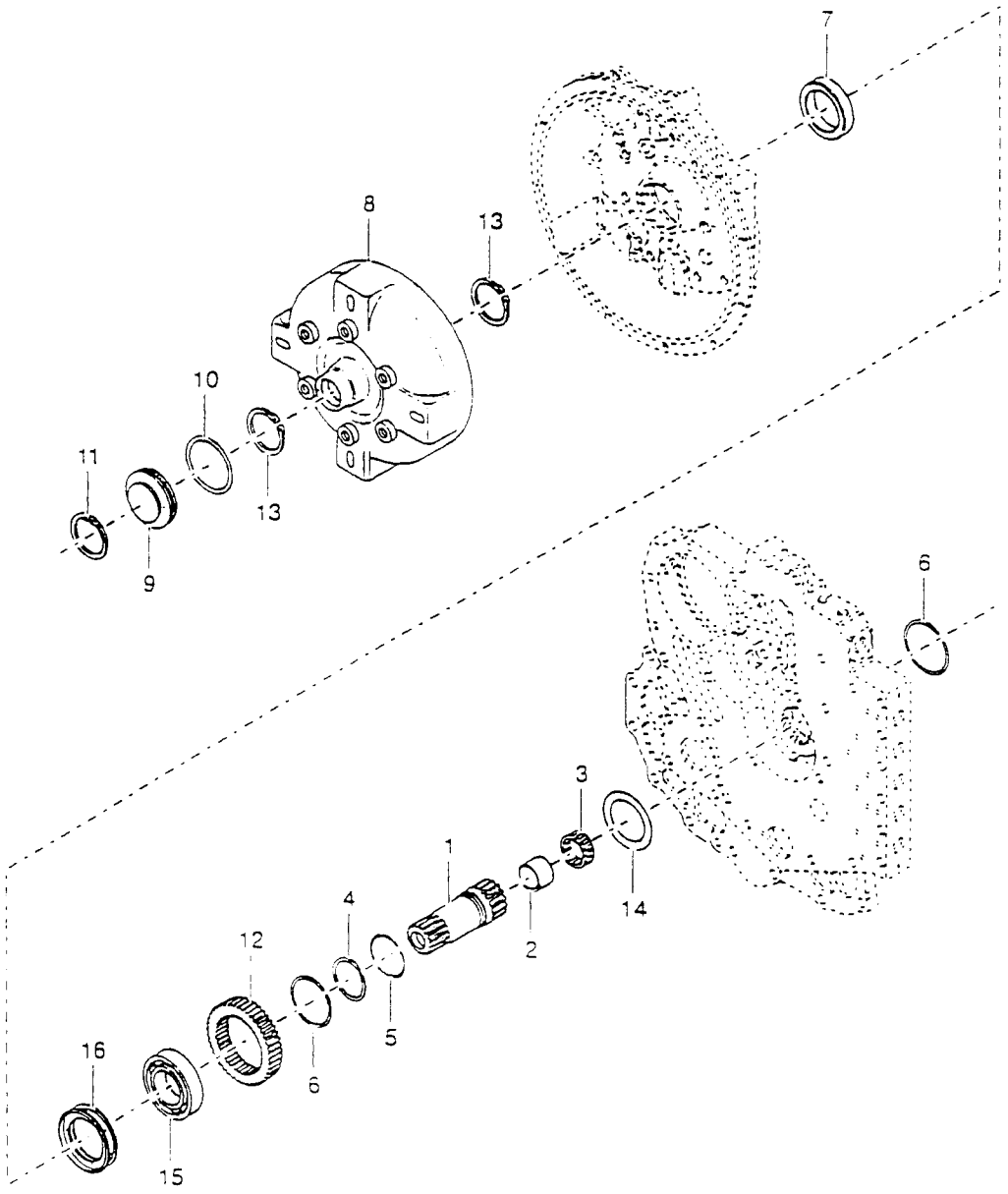


1 PAGE NUMBER	CONVERTER HOUSING GROUP T12000 SERIES TRANSMISSION		DRAWING NUMBER	P1-1244

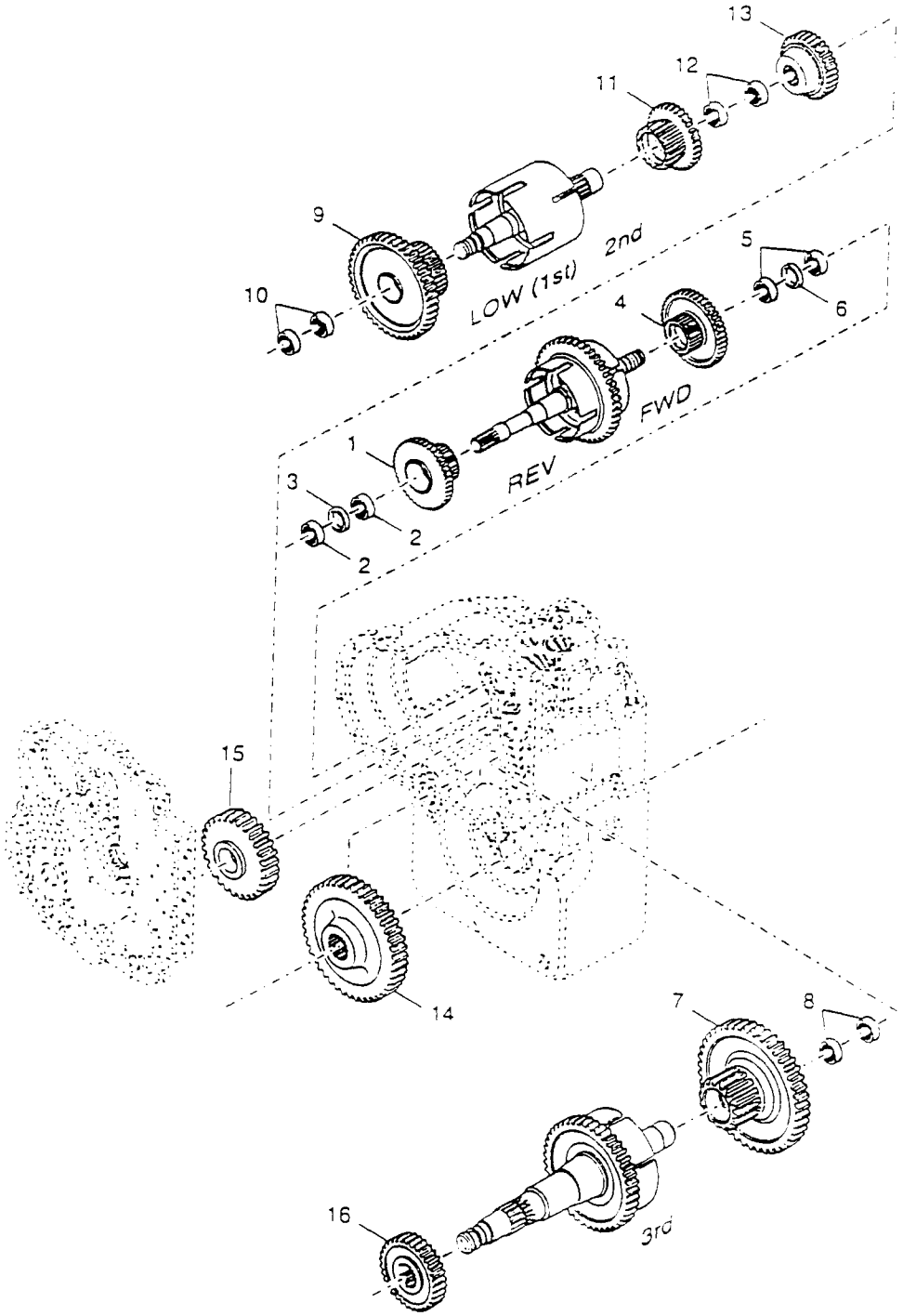
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-384	CONVERTER HOUSING	1
2	7-126-385	PLUG (INCLUDES ITEM 3)	4
3	7-126-386	O-RING	4
4	7-126-387	PLUG	1
5	7-126-385	PLUG (INCLUDES ITEM 6)	1
6	7-126-386	O-RING	1
7	7-126-04	PLUG	1
8	7-126-388	SCREW	6
9	7-126-389	SCREW	3
10	7-126-390	SCREW	1
11	7-126-391	LOCKWASHER	10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


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

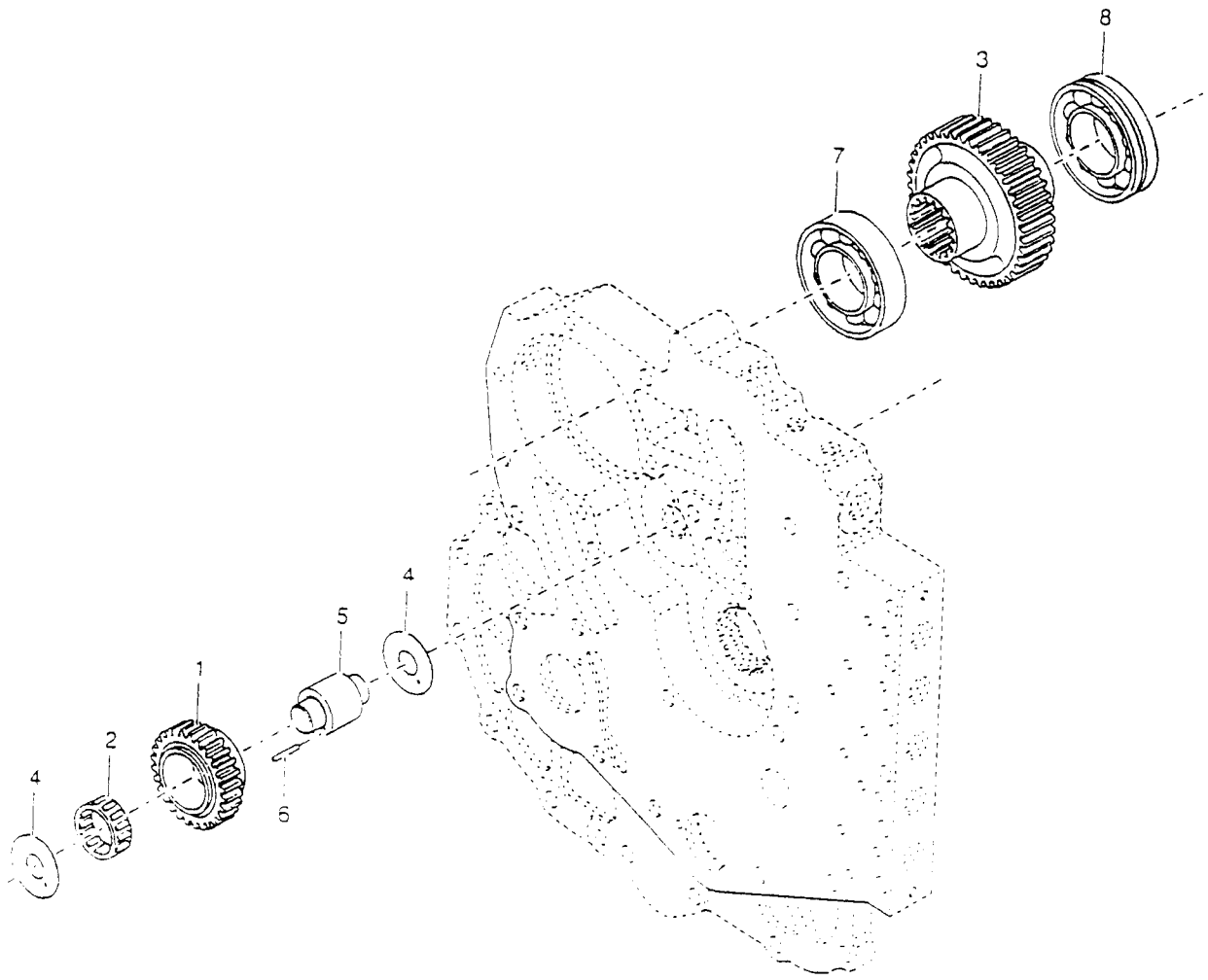

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-411	STATOR SUPPORT ASSY (INCL. ITEMS 2-3)	1
2	7-126-412	BUSHING	1
3	7-126-413	BEARING	1
4	7-126-414	STATOR SUPPORT PISTON RING	1
5	7-126-415	EXPANDER	1
6	7-126-416	SNAP RING	2
7	7-126-360	SEAL	1
8	7-126-518	TORQUE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



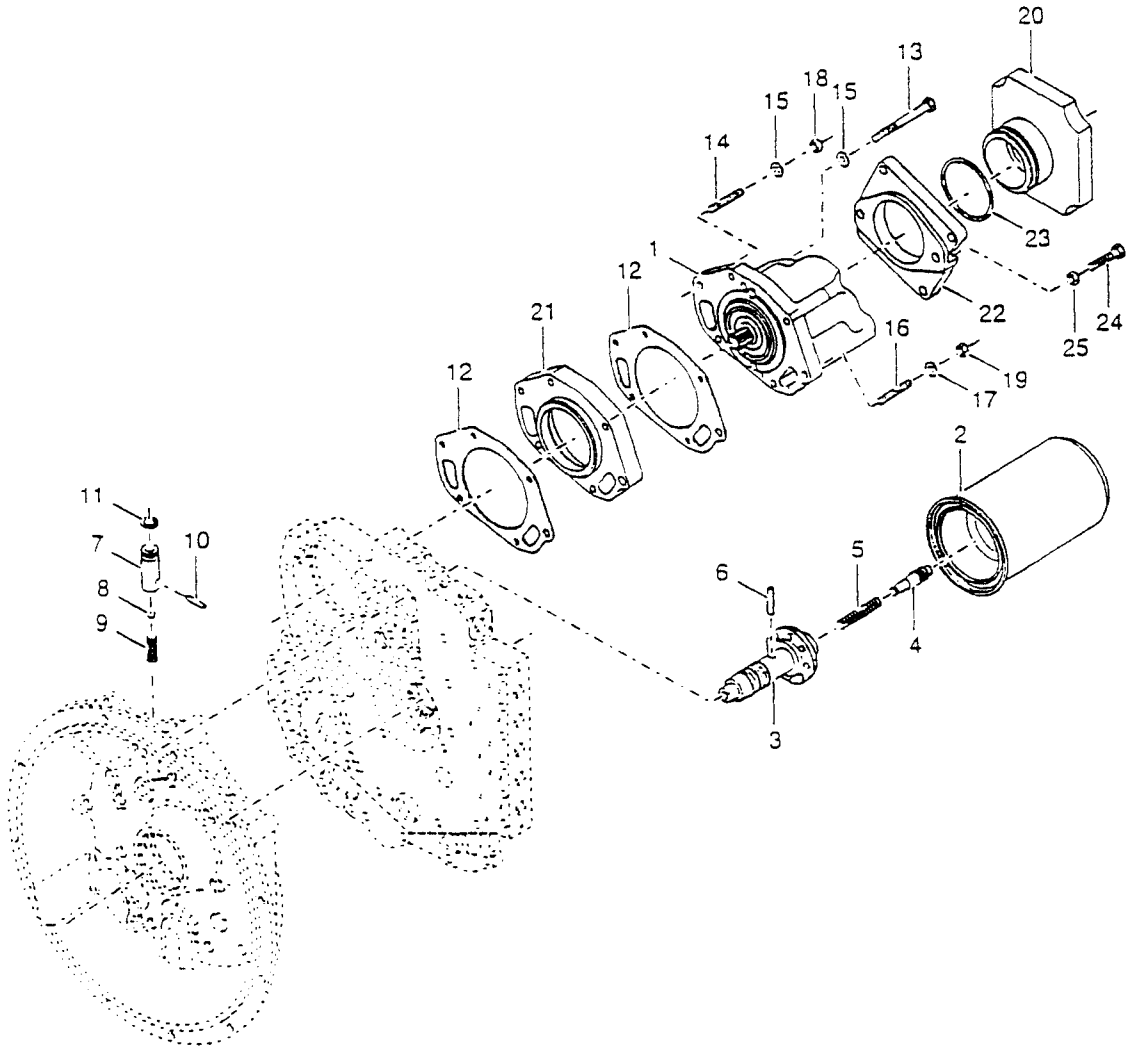
4	PAGE NUMBER	GEAR GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1247

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

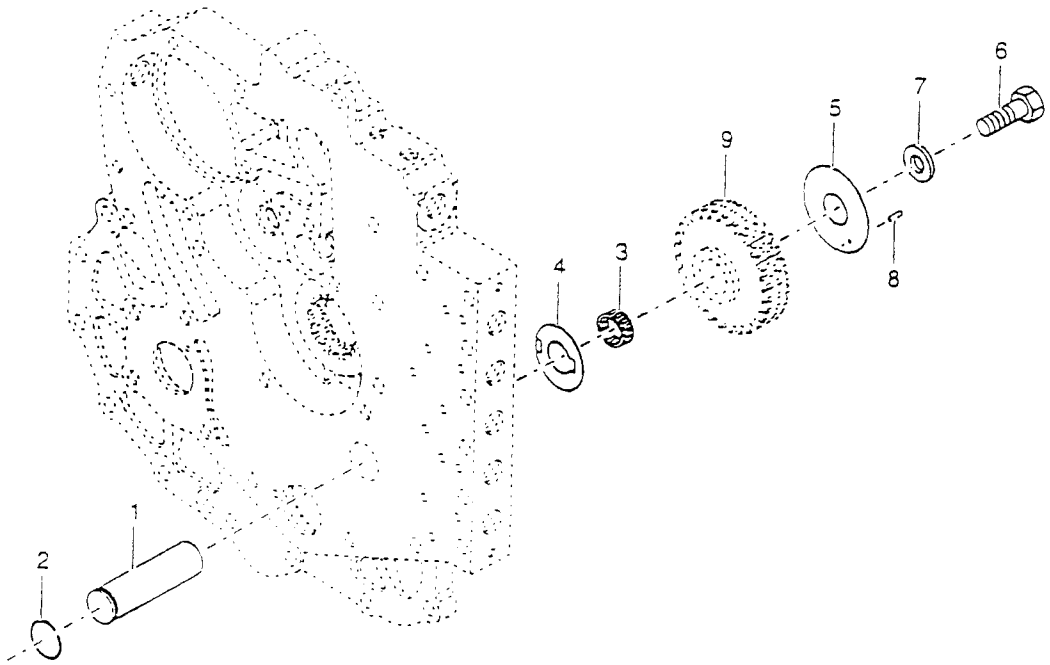


5	PAGE NUMBER	PUMP DRIVE GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1248

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

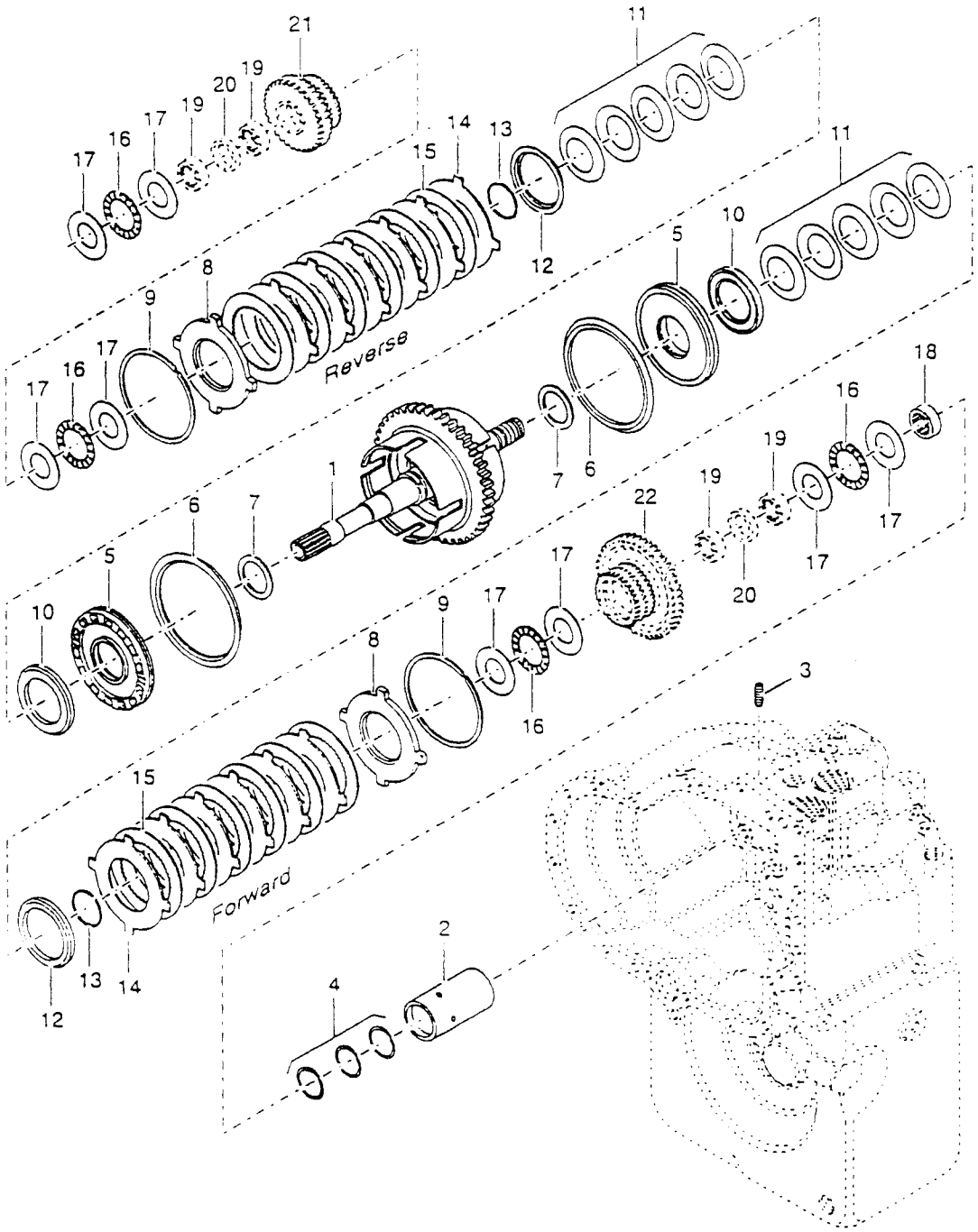

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-350	CHARGING PUMP ASSEMBLY	1
2	7-126-349	HYDRAULIC SPIN FILTER ASSEMBLY	1
3	7-126-442	REGULATOR VALVE SLEEVE	1
4	7-126-443	REGULATOR VALVE PISTON	1
5	7-126-444	REGULATOR VALVE SPRING	1
6	7-126-445	PIN	1
7	7-126-446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



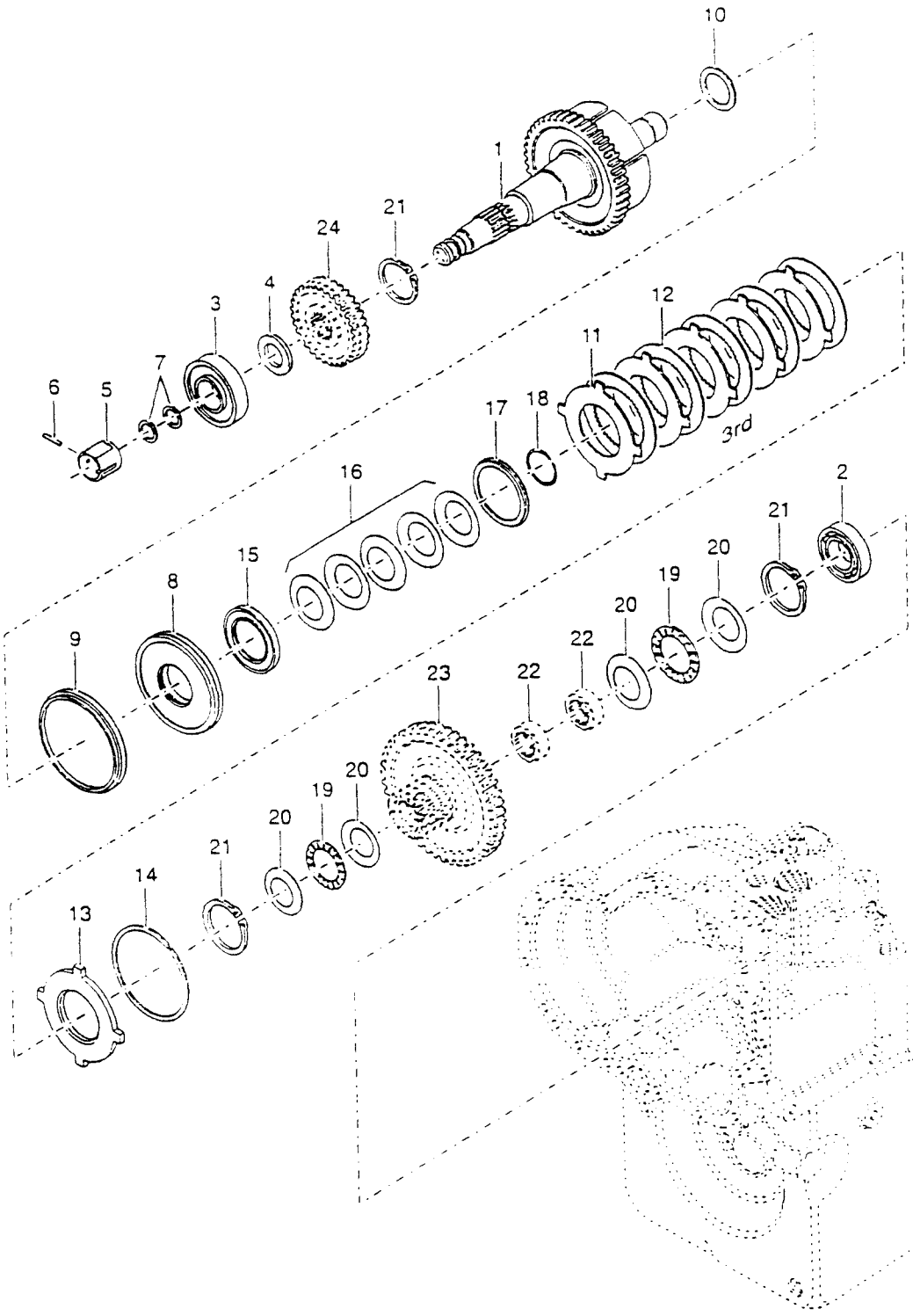
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-457	IDLER & PILOT SHAFT	1
2	7-126-458	IDLER SHAFT SNAP RING	1
3	7-126-459	REVERSE IDLER GEAR BEARING	1
4	7-126-460	THRUST WASHER	1
5	7-126-461	END PLATE	1
6	7-126-462	CAPSCREW	1
7	7-126-463	WASHER	1
8	7-126-464	ROLL PIN	1
9	7-126-431	REVERSE IDLER GEAR	1

NOTES



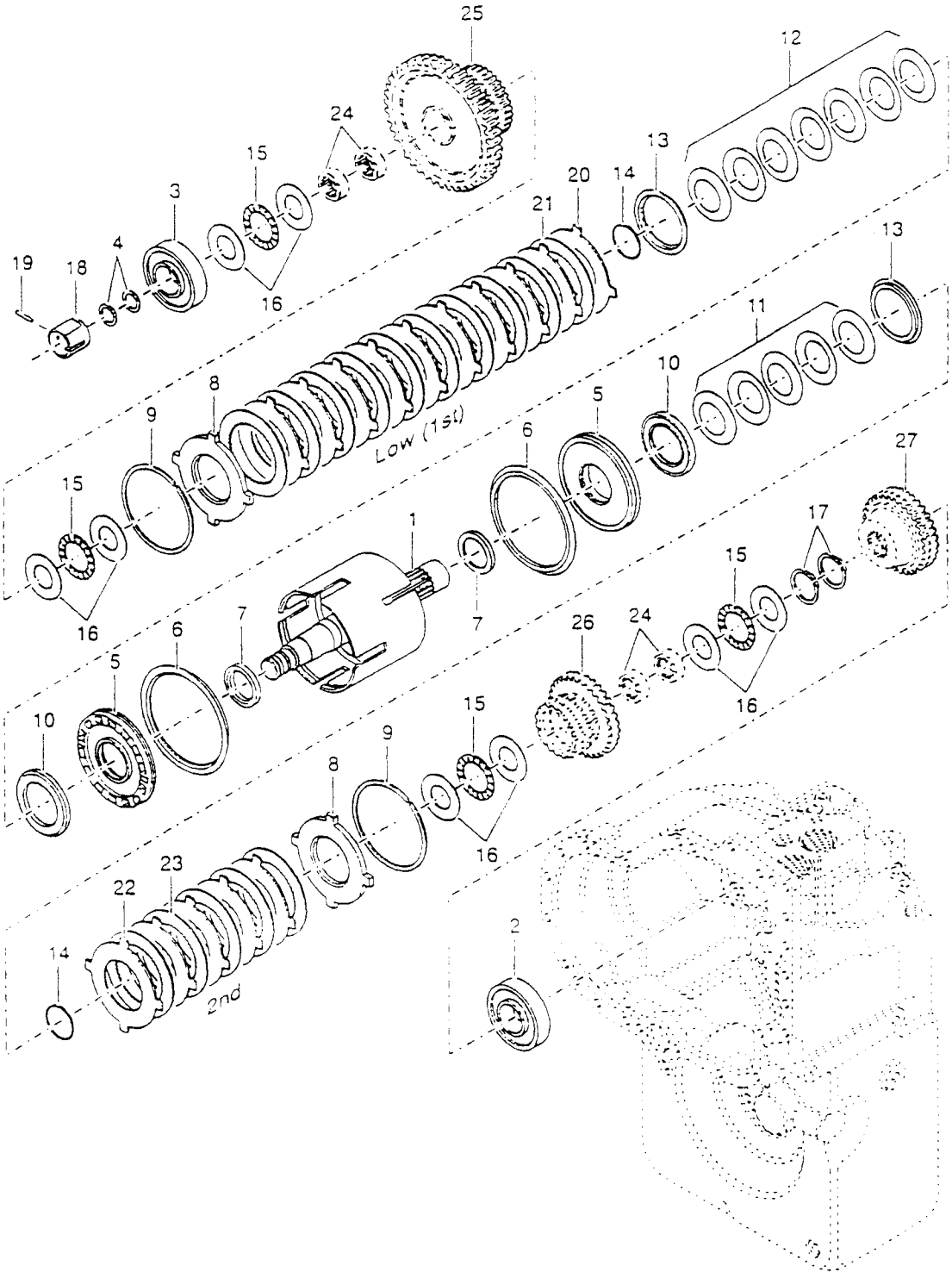
8	PAGE NUMBER	FORWARD & REVERSE SHAFT GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1251

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

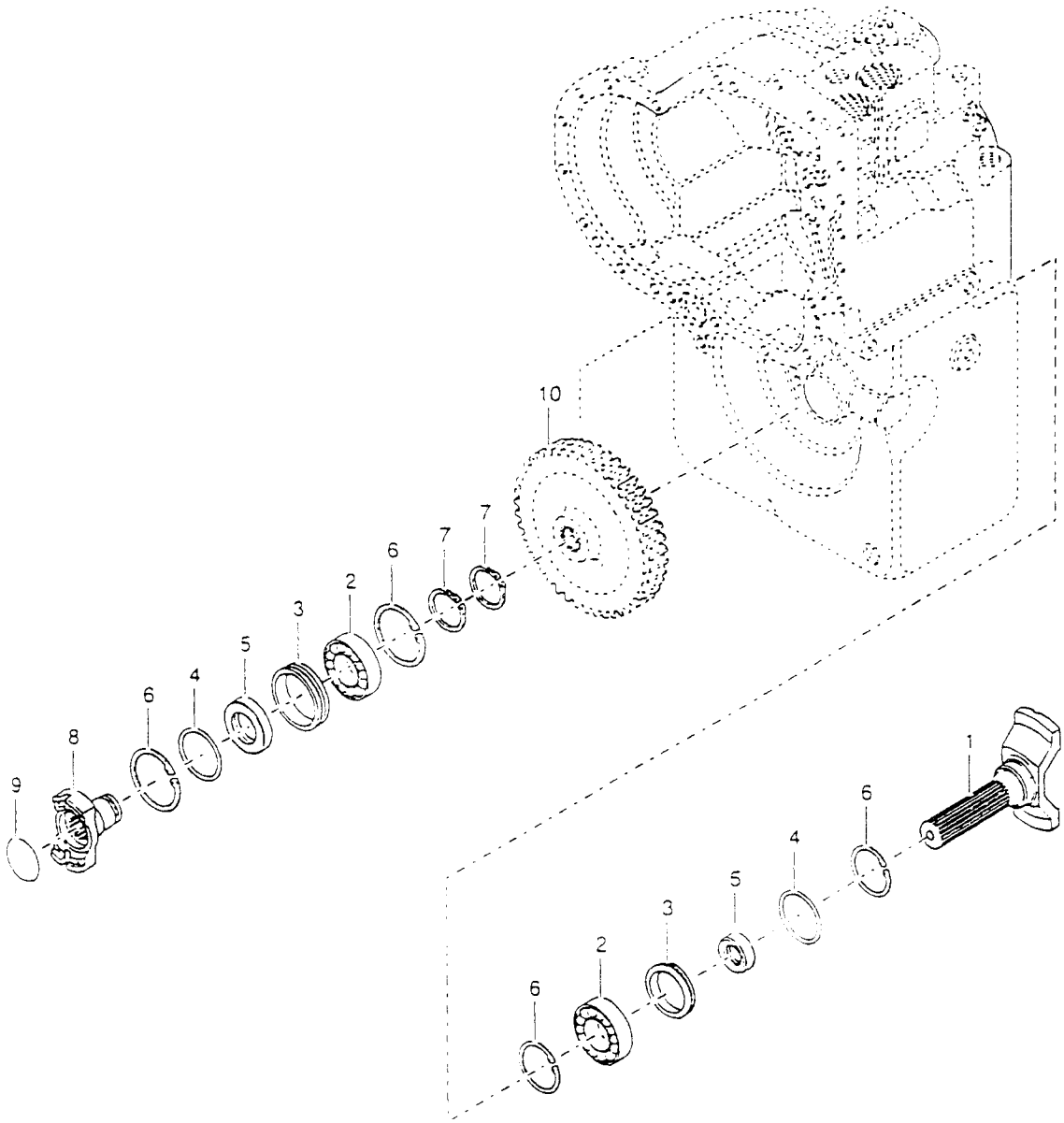


9 PAGE NUMBER	3rd SHAFT GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER P1-1252

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

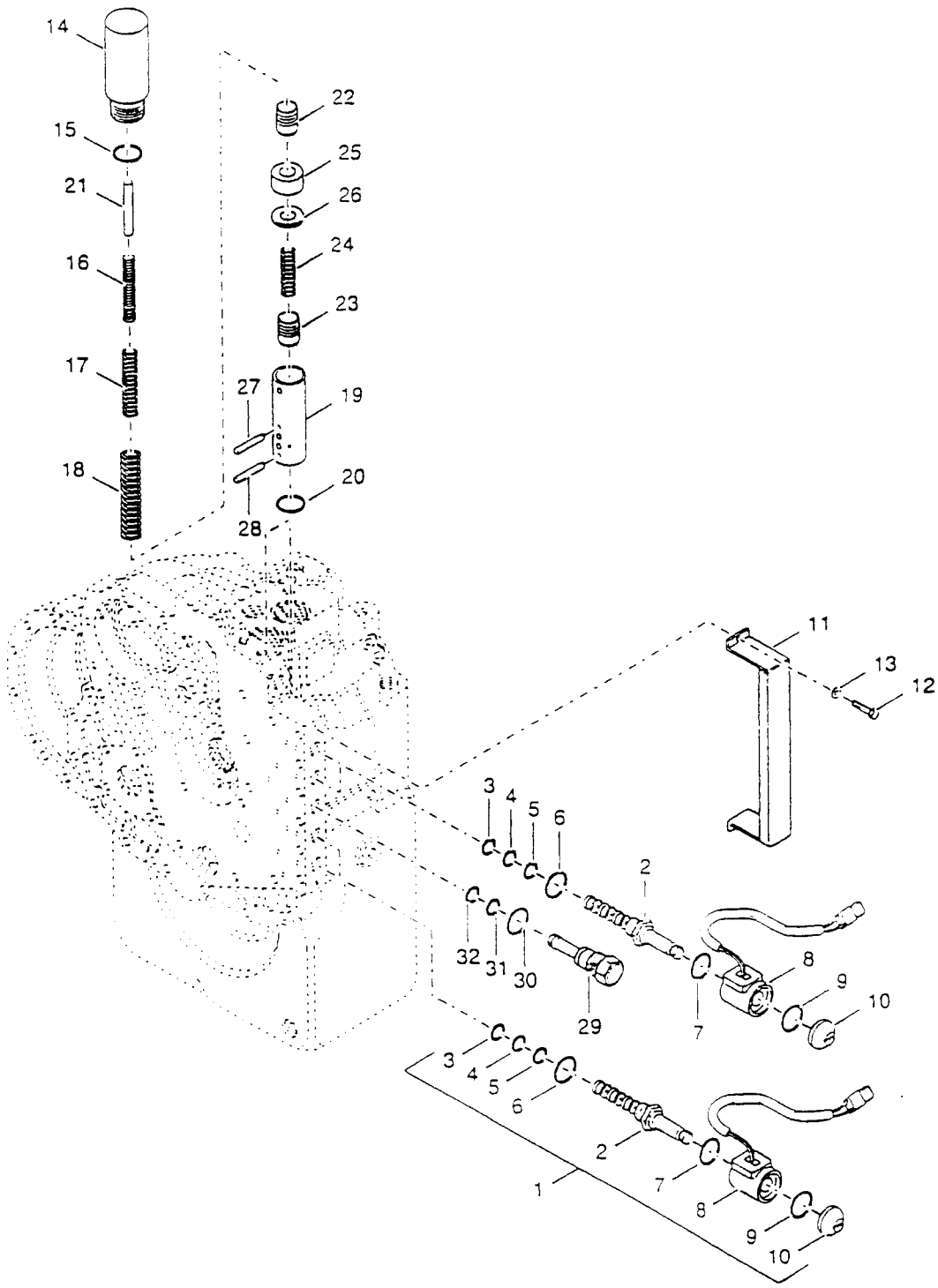

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-493	1st & 2nd SHAFT, DRUM, PLUG, & SEAT ASSY	1
2	7-126-494	ROLLER BEARING	1
3	7-126-485	BEARING & SEAL ASSY	1
4	7-126-468	PISTON RING	2
5	7-126-495	PISTON & SEALS ASSY (INCL. ITEMS 6 & 7)	2
6	7-126-470	OUTER CLUTCH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

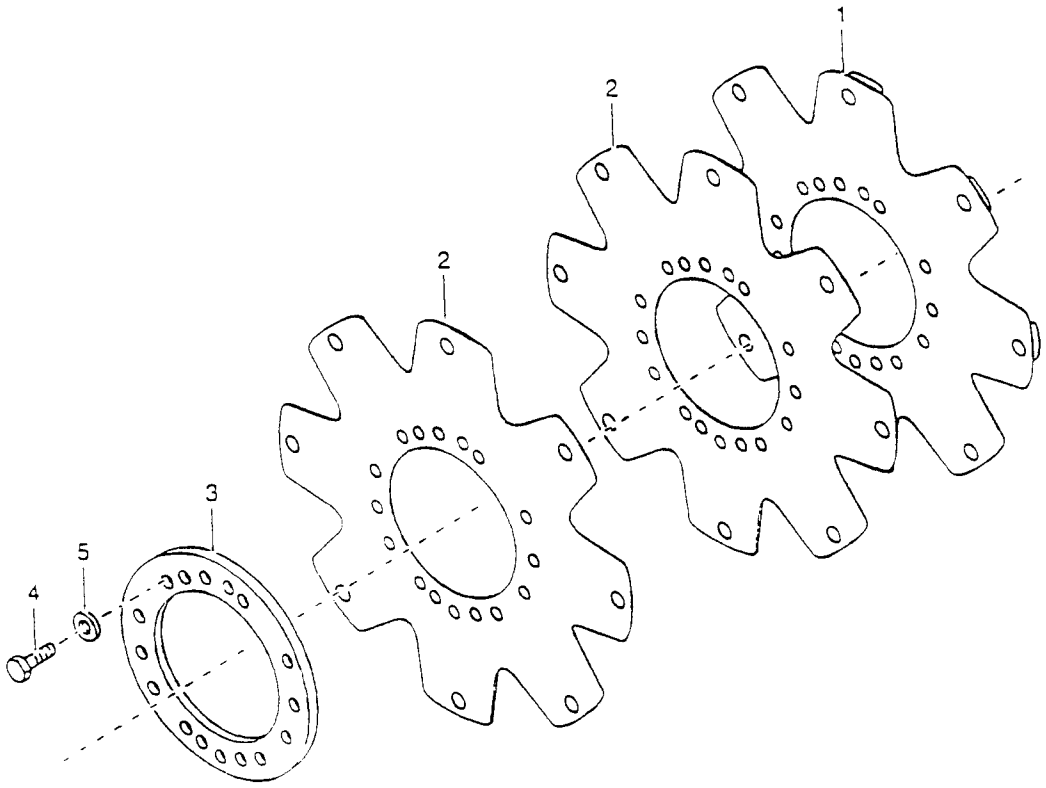


11	PAGE NUMBER	OUTPUT SHAFT GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1254

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

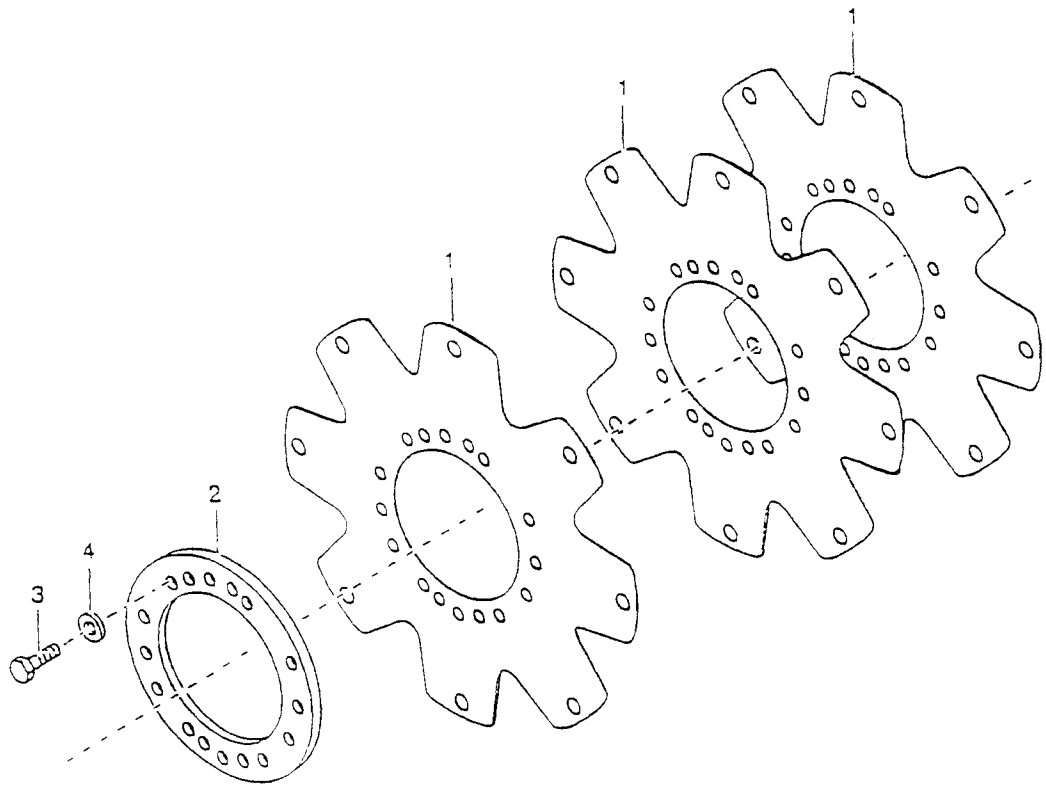

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-382	SOLENOID ASSEMBLY (INCLUDES ITEMS 2-10)	4
2	7-126-380	4-WAY VALVE CARTRIDGE (INCL. ITEMS 3-6)	4
3	7-126-376	O-RING	4
4	7-126-377	O-RING	4
5	7-126-378	O-RING	4
6	7-126-379	O-RING	4
7	7-126-374	O-RING	4
8	7-126-375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



ITEM	NUMBER	DESCRIPTION	REQD
1	N.S.S.	DRIVE PLATE w/ WELD NUTS	1
2	N.S.S.	DRIVE PLATE	2
3	7-126-60	DRIVE PLATE BACKING RING	1
4	7-126-516	SCREW	6
5	7-126-54	LOCKWASHER	6
6	7-126-383	DRIVE PLATE KIT (INCLUDES ITEMS 1-5)	1

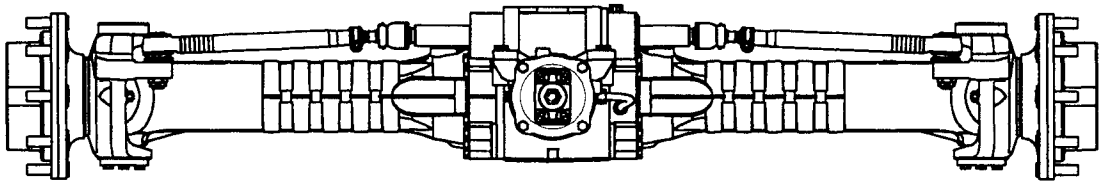
N.S.S. = NOT SOLD SEPARATELY



ITEM	NUMBER	DESCRIPTION	REQD
1	N.S.S.	DRIVE PLATE	3
2	7-126-60	DRIVE PLATE BACKING RING	1
3	7-126-516	SCREW	6
4	7-126-54	LOCKWASHER	6
5	7-126-692	DRIVE PLATE KIT (INCLUDES ITEMS 1-4)	1

N.S.S. = NOT SOLD SEPARATELY

FRONT AXLE
PARTS BOOK
TH636C TH644C TH842C TH844C



DATE: 11-14-00

SPICER CLARK-HURTH 212/239 AXLE

7-229-619 STEERING CYLINDER

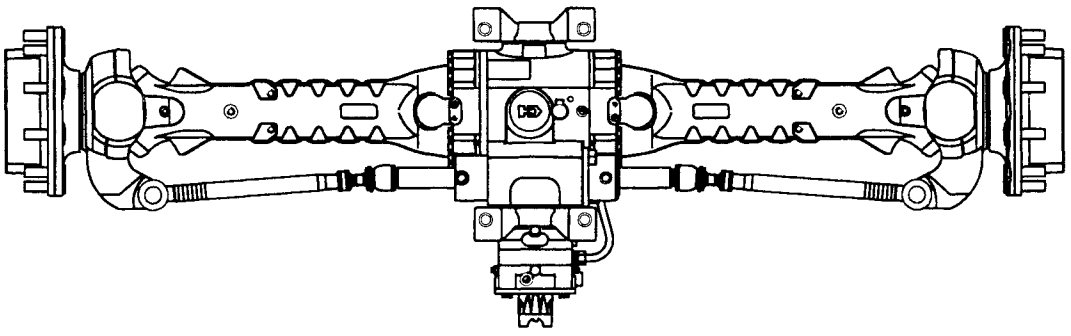
DIFFERENTIAL LOCK

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

AXLE PARTS ORDERING GUIDE

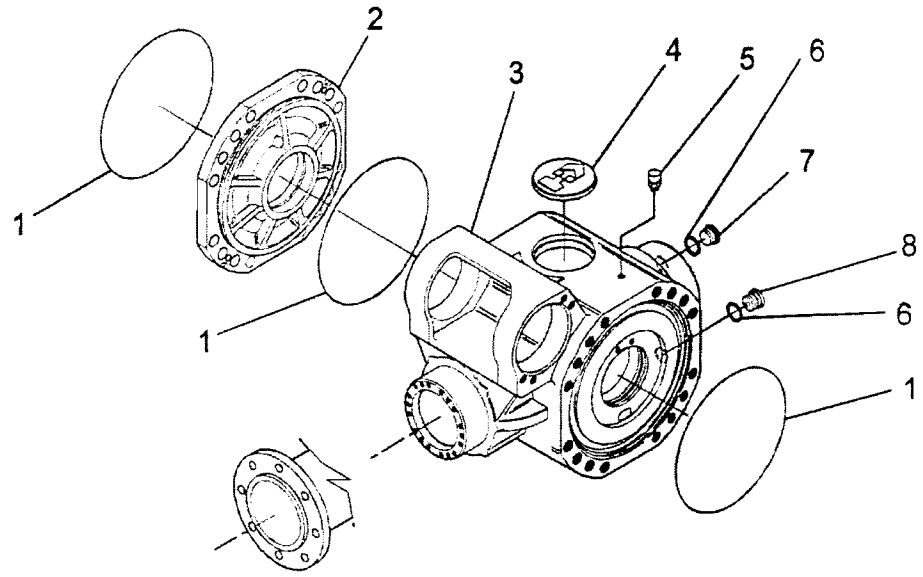
WHEN ORDERING FROM THIS BOOK USE THE
FIGURE BELOW AS A REFERENCE IN DETERMINING
LEFT OR RIGHT HAND SIDE

R.H. L.H.

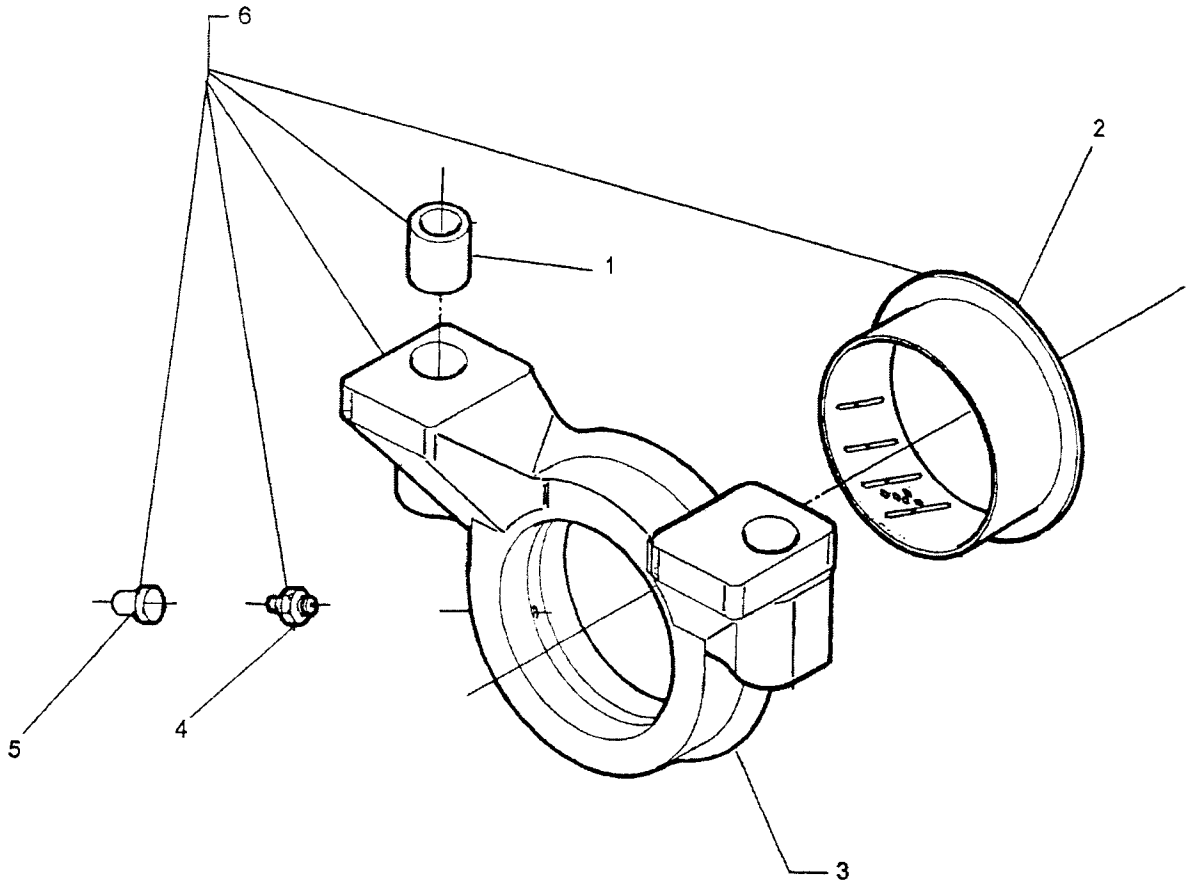


INDEX

PAGE	DESCRIPTION	DRAWING
1	GEAR BOX & COVERS	P1-1395
2	TRUNNION MOUNT ASSEMBLY	P1-1258
3	DIFFERENTIAL ASSEMBLY	P1-1396
4	STEERING AXLE ASSEMBLY	P1-1297
5	DISC BRAKE ASSEMBLY	P1-1267
6	PARKING BRAKE ASSEMBLY	P1-1298
7	STEERING ARMS ASSEMBLY	P1-1268
8	STEERING CYLINDER ASSEMBLY	P1-1269



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

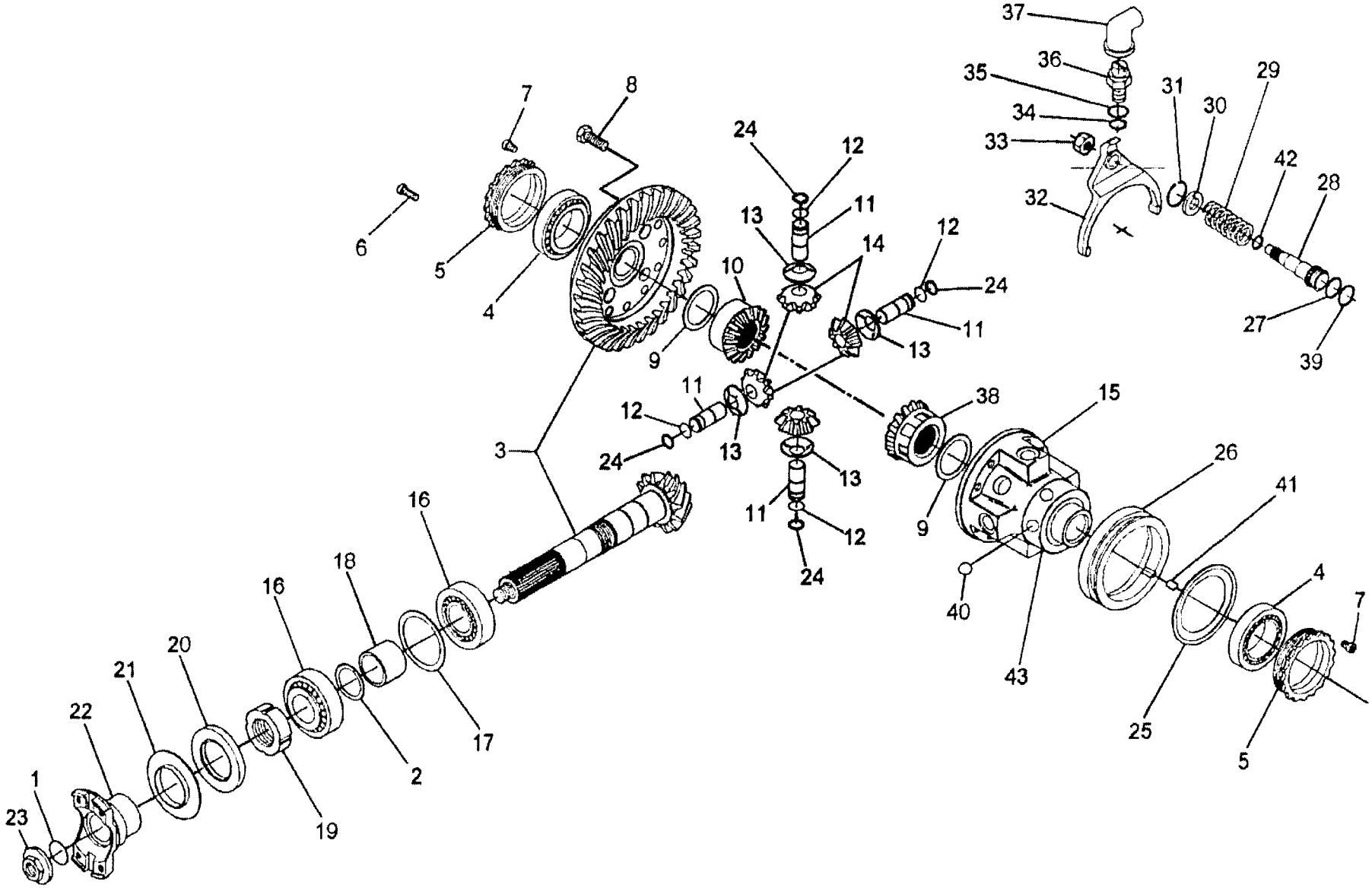


ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-620	REDUCTION BUSHING	4
2	7-229-621	THRUST BUSHING	2
3	7-229-622	SUPPORT	2
4	7-229-572	GREASE FITTING	2
5	7-229-571	PLUG	2
6	7-229-735	SUPPORT ASSEMBLY (INCL. ITEMS 1-5)	2

PAGE NUMBER 3

DIFFERENTIAL ASSEMBLY
TH636C-TH644C-TH842C-TH844C FRONT AXLE

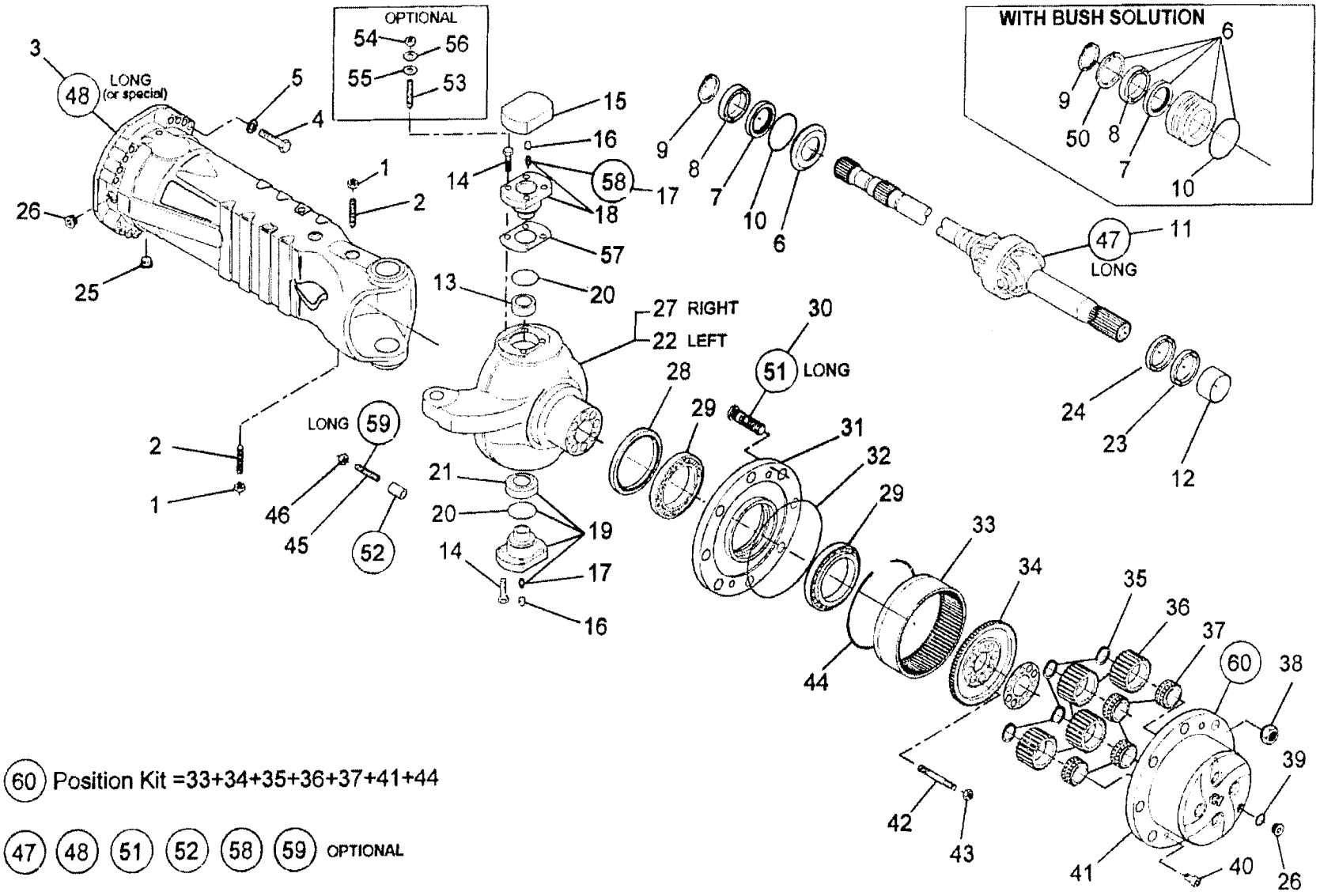
DRAWING NUMBER P1-1396



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

ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-528	O-RING	1
2		SHIM / SEE ITEMS 44-48 BELOW	
3	7-229-676	BEVEL GEAR SET	1
4	7-229-535	TAPER ROLLER BEARING	2
5	7-229-536	RING NUT	2
6	7-229-537	CYLINDER BOLT	4
7	7-229-538	CYLINDER BOLT	2
8	7-229-691	BOLT	12
9	7-229-540	FRICTION WASHER	2
10	7-229-541	DIFFERENTIAL SIDE GEAR / RH	1
11	7-229-542	PIN	4
12	7-229-543	CIRCLIP	4
13	7-229-544	FRICTION WASHER	4
14	7-229-545	DIFFERENTIAL PINION	4
15	7-229-716	DIFFERENTIAL CARRIER	1
16	7-229-547	TAPER ROLLER BEARING	2
17		SHIM / SEE ITEMS 49-52 BELOW	
18	7-229-549	SPACER	1
19	7-229-550	RING NUT	1
20		NOT USED (see Parking Brake Assembly)	
21		NOT USED (see Parking Brake Assembly)	
22	7-229-553	FLANGE	1
23	7-229-554	NUT	1
24	7-229-555	CIRCLIP	4
25	7-229-717	SHEET	1
26	7-229-718	SELECTOR	1
27	7-229-719	O-RING	1
28	7-229-720	PISTON	1
29	7-229-721	SPRING	1
30	7-229-722	PLUG	1
31	7-229-723	CIRCLIP	1
32	7-229-724	SELECTOR FORK	1
33	7-229-725	NUT	1
34	7-229-726	O-RING	1
35	7-229-727	SEAL WASHER	1
36	7-229-728	SECURITY SWITCH	1
37	7-229-729	BOOT	1
38	7-229-927	DIFFERENTIAL SIDE GEAR / LH	1
39	7-229-730	RING	1
40	7-229-731	DETENT BALL	6
41	7-229-732	KEY	1
42	7-229-733	CIRCLIP	1
43	7-229-734	DIFFERENTIAL ASSY (INCL. ITEMS 9-15,24,38)	1
44	7-229-529	SHIM / 0.10mm	AR
45	7-229-530	SHIM / 0.15mm	AR
46	7-229-531	SHIM / 0.20mm	AR
47	7-229-532	SHIM / 0.40mm	AR
48	7-229-533	SHIM / 0.50mm	AR
49	7-229-548	SHIM / 0.20mm	AR
50	7-229-557	SHIM / 0.30mm	AR
51	7-229-558	SHIM / 0.15mm	AR
52	7-229-559	SHIM / 0.10mm	AR

STEERING AXLE ASSEMBLY
SS-842C FRONT AXLE



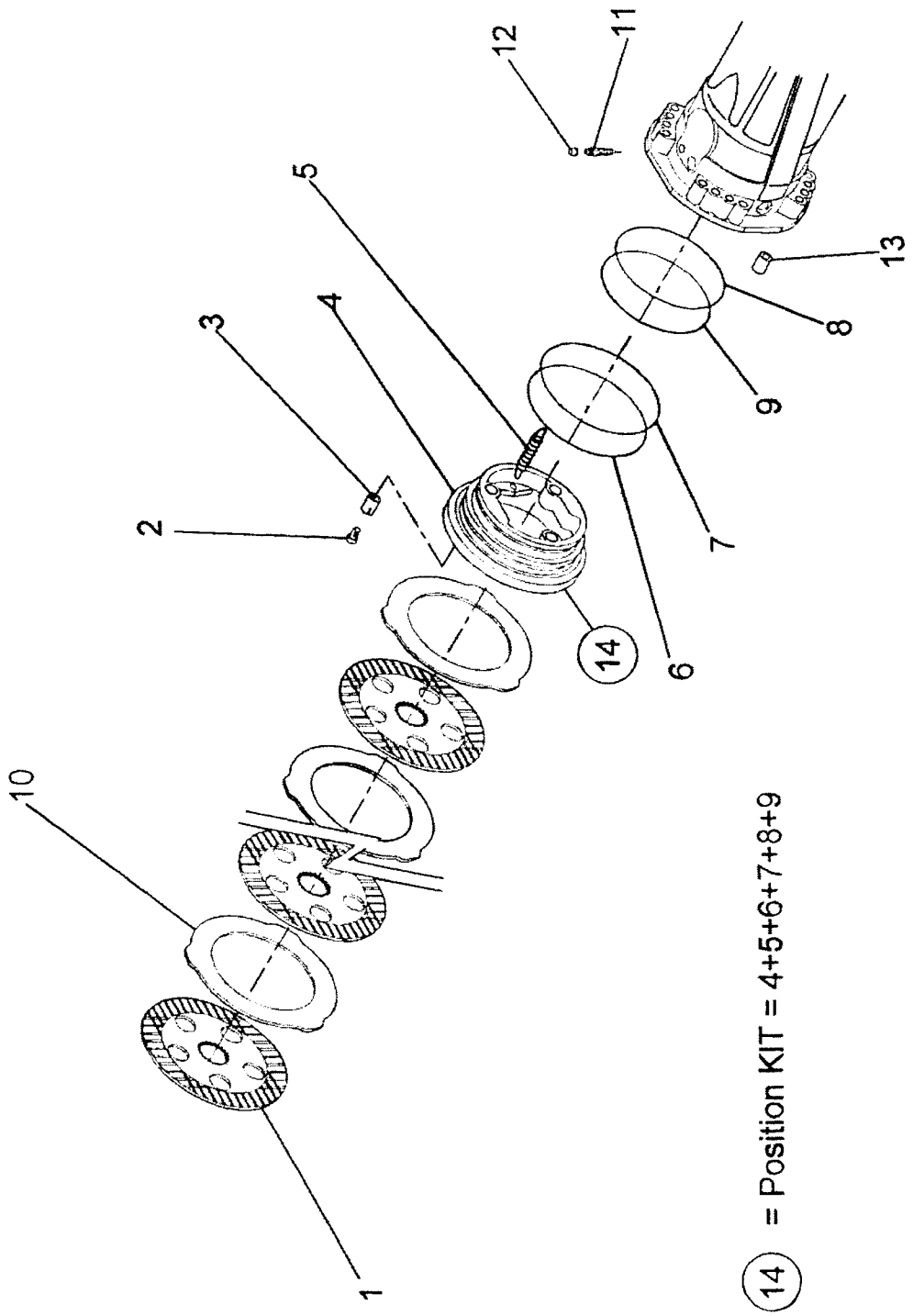
(60) Position Kit =33+34+35+36+37+41+44

(47) (48) (51) (52) (58) (59) OPTIONAL

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

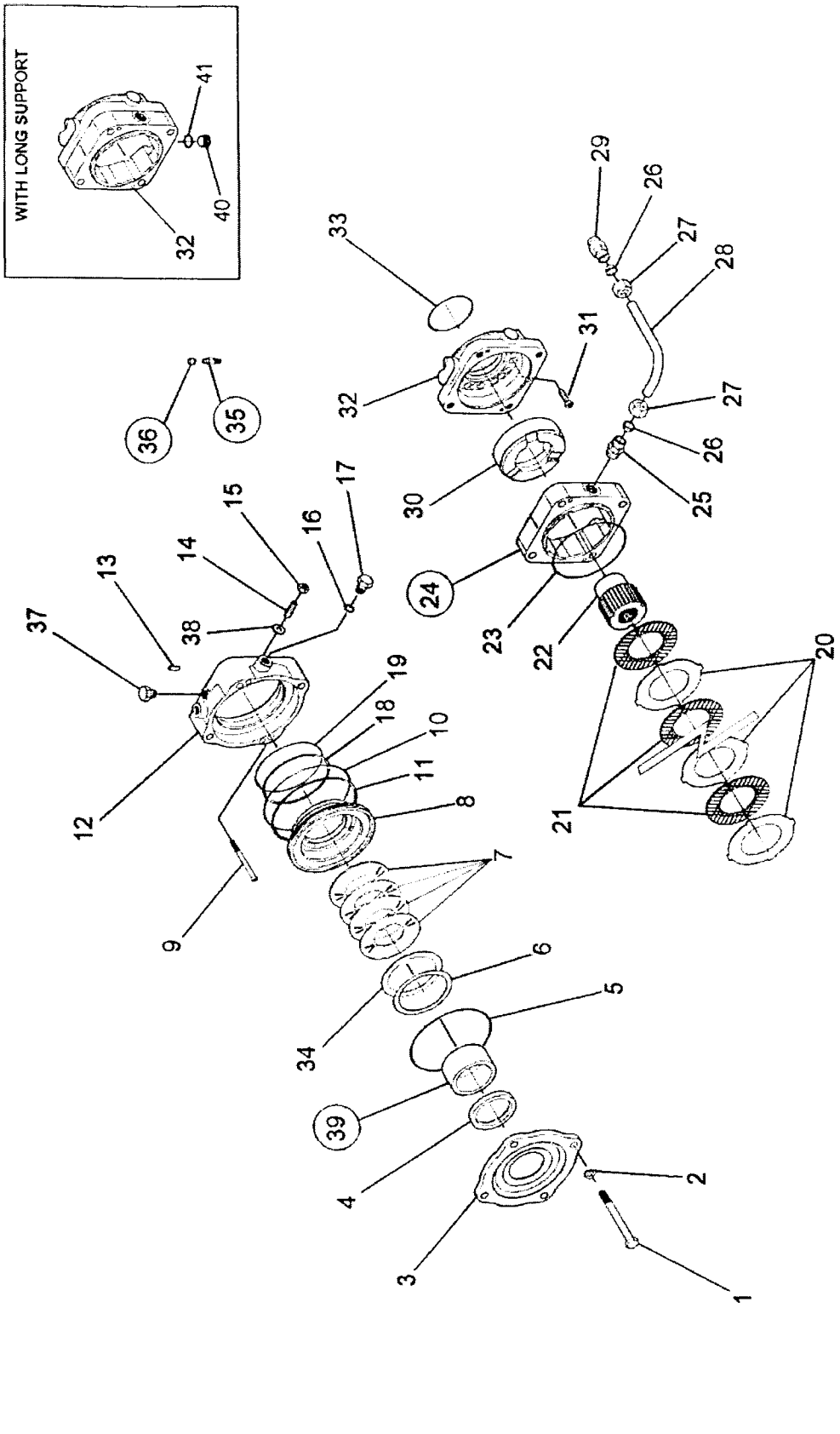
ITEM	NUMBER	DESCRIPTION	REQD
51			
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57		SHIM / SEE ITEMS 61-63 BELOW	
58			
59			
60	7-229-683	PLANET GEAR CARRIER ASSY(ITEMS 33-37,41,44)	2
61	7-229-602	SHIM / 0.15mm	AR
62	7-229-603	SHIM / 0.20mm	AR
63	7-229-604	SHIM / 0.50mm	AR

NOTES



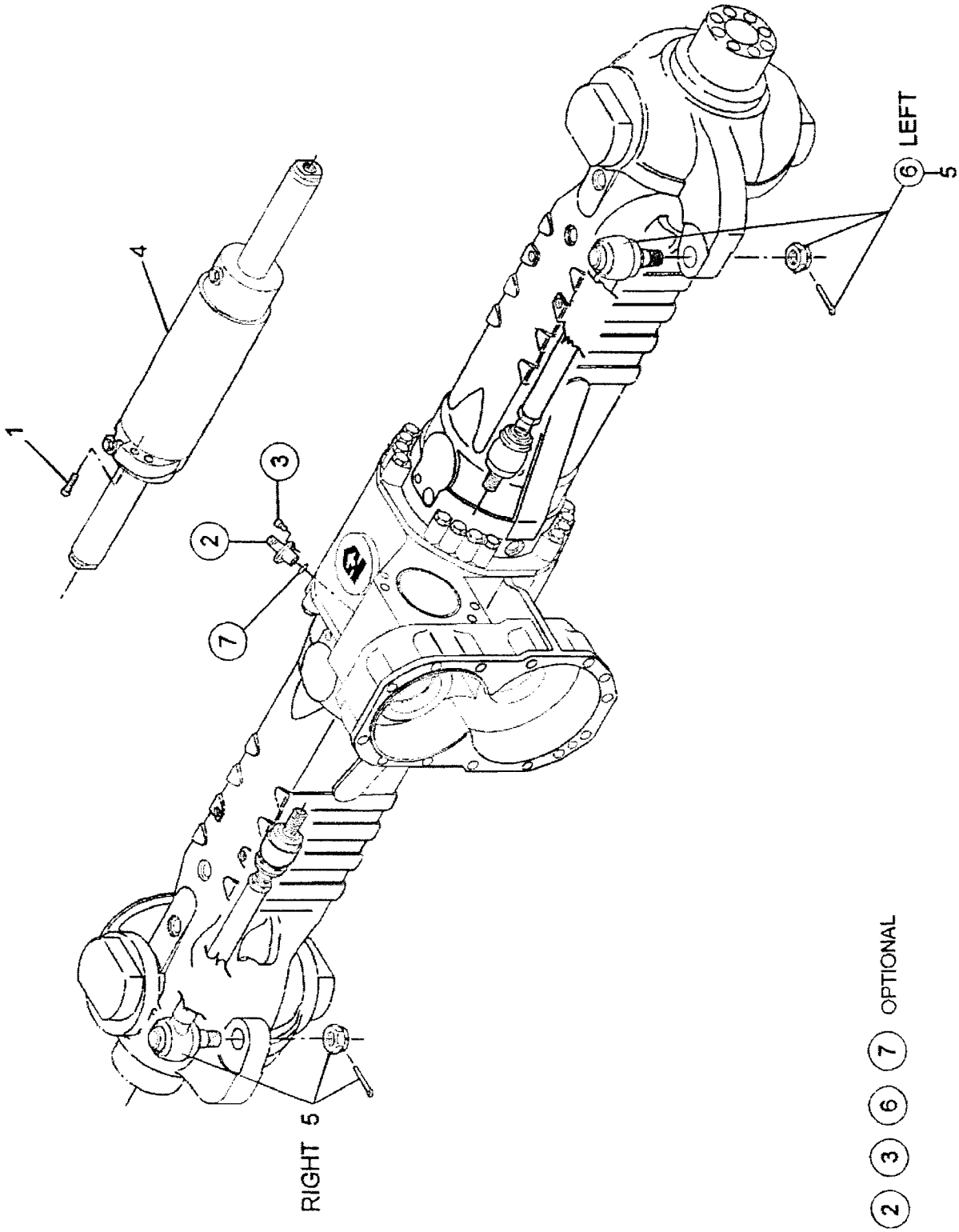
5 PAGE NUMBER	DISC BRAKE ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER P1-1267

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



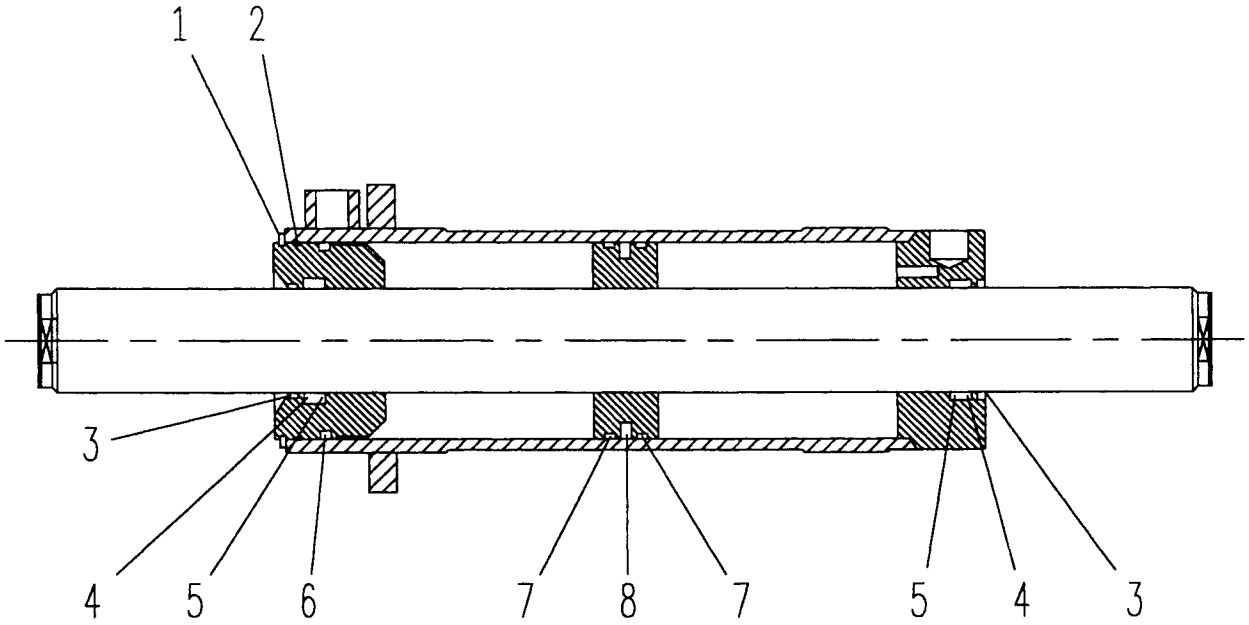
6	PAGE NUMBER	PARKING BRAKE ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER	P1-1298

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



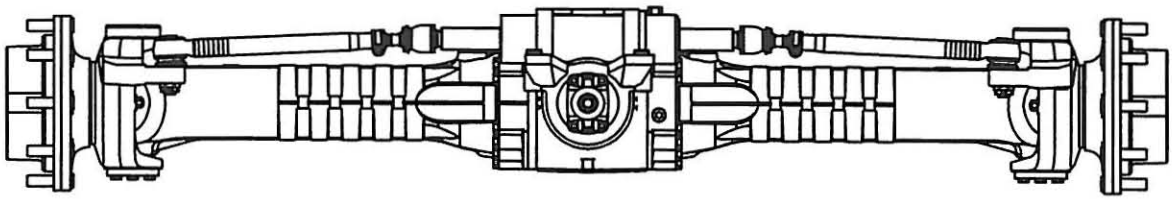
7	PAGE NUMBER	STEERING ARMS ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER	P1-1268

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



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

REAR AXLE
PARTS BOOK
TH636C TH644C TH842C TH844C



DATE: 9-7-99

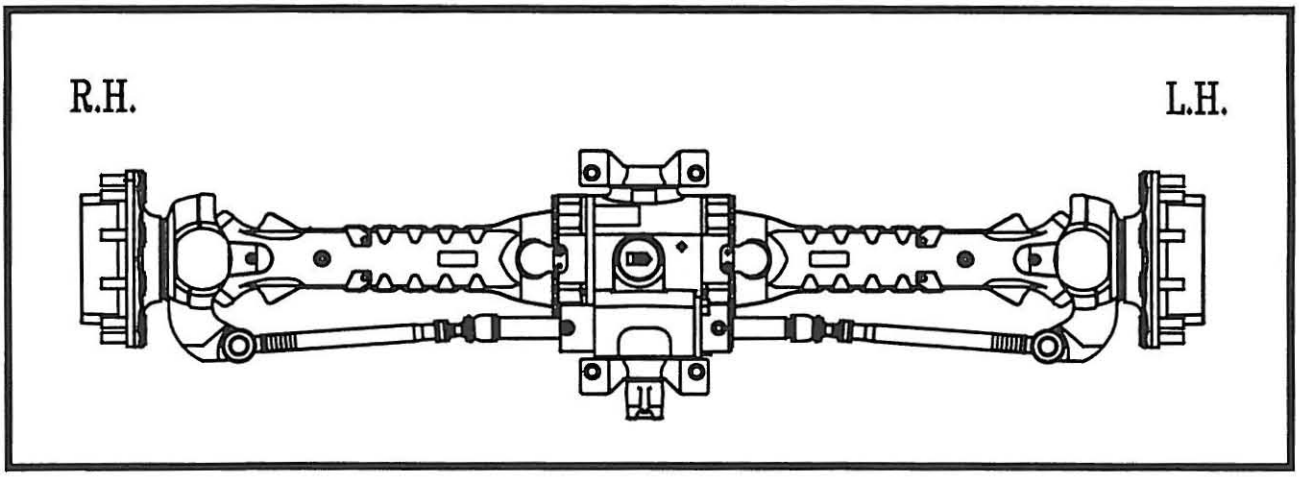
SPICER CLARK-HURTH 212/184 AXLE

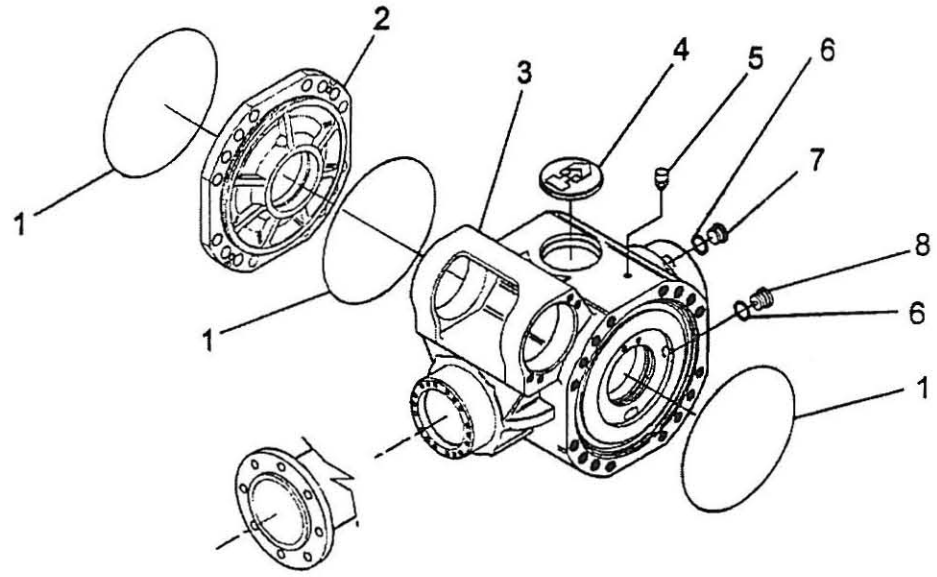
7-229-619 STEERING CYLINDER

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

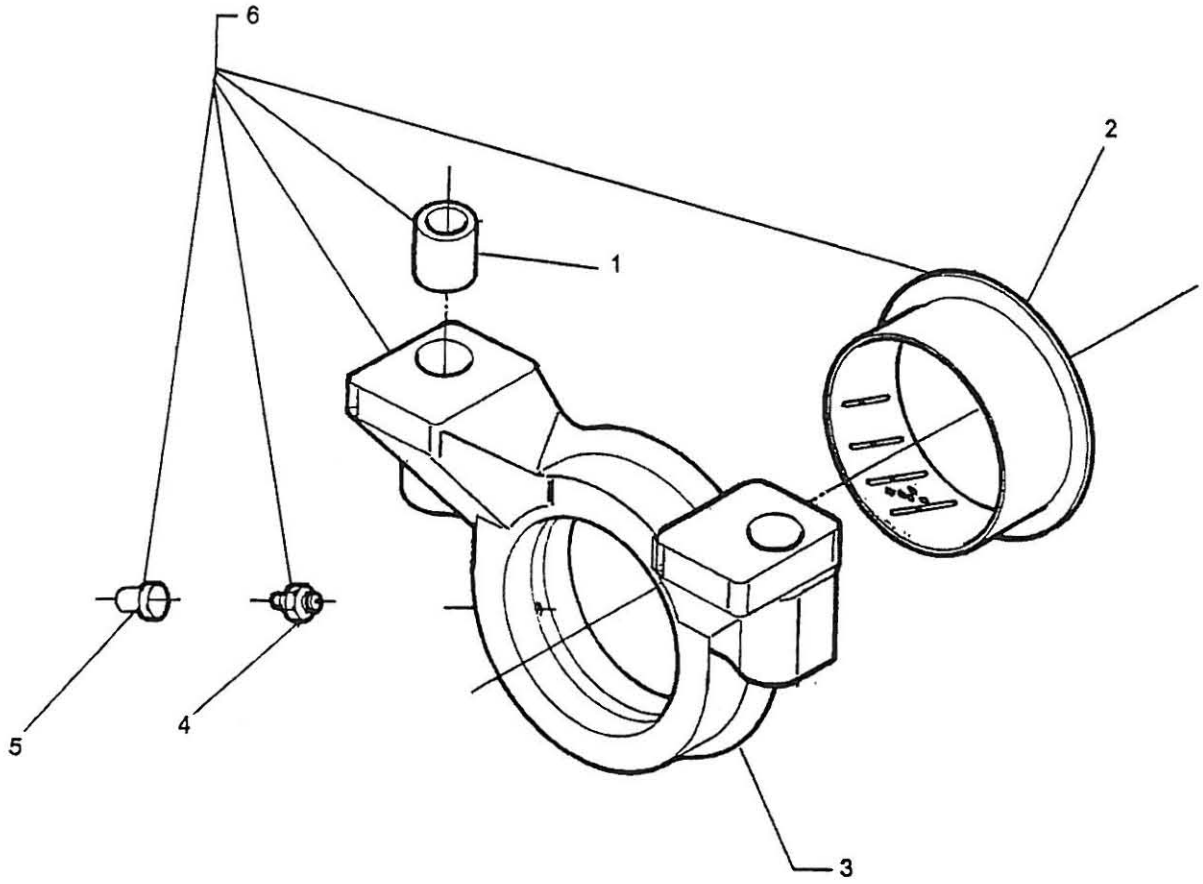
AXLE PARTS ORDERING GUIDE

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

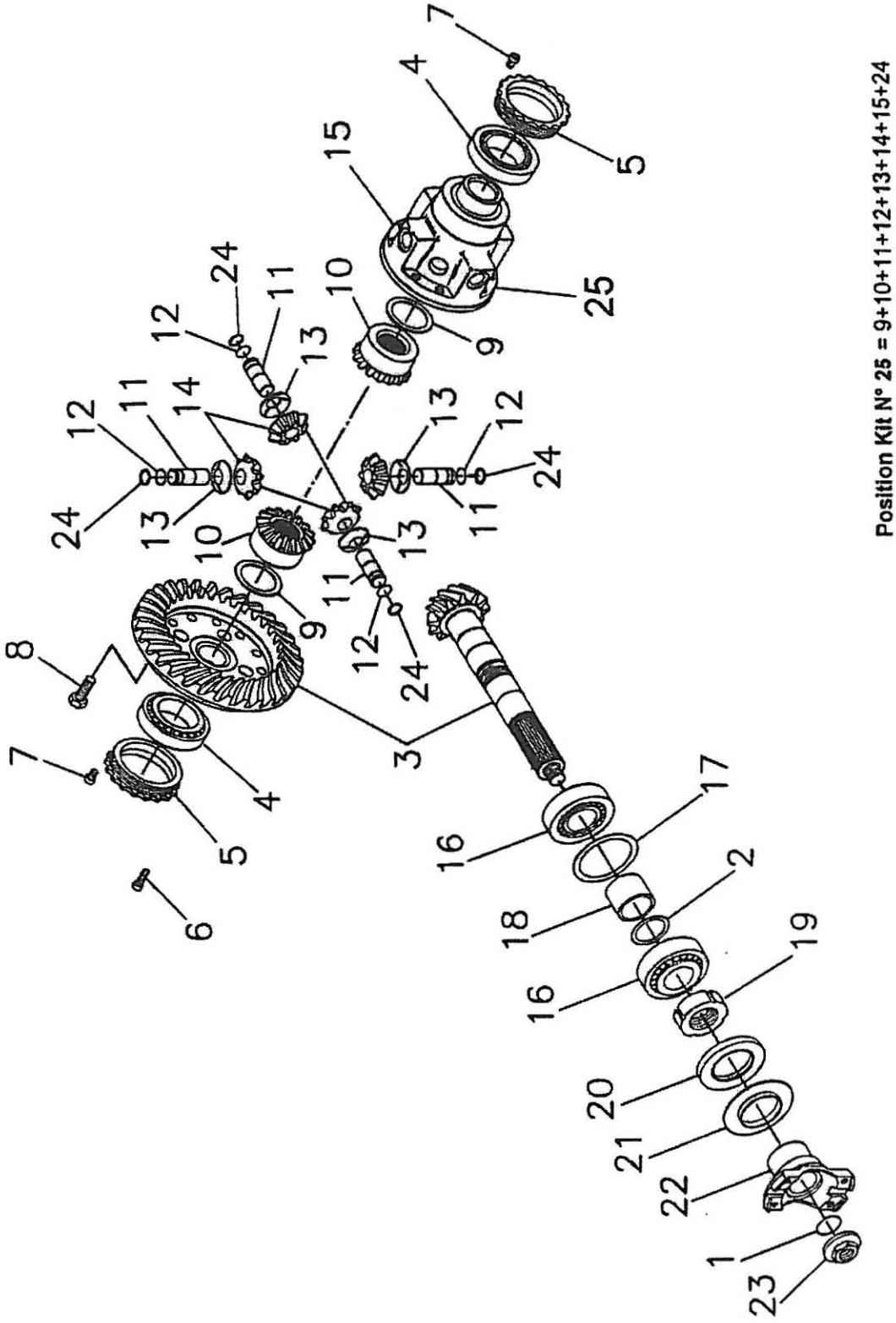




ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-520	O-RING	3
2	7-229-521	INTERMEDIATE COVER	1
3	7-229-522	HOUSING	1
4	7-229-523	PLUG	1
5	7-229-524	VENT	1
6	7-229-525	SEAL WASHER	2
7	7-229-526	PLUG	1
8	7-229-527	MAGNETIC PLUG	1



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



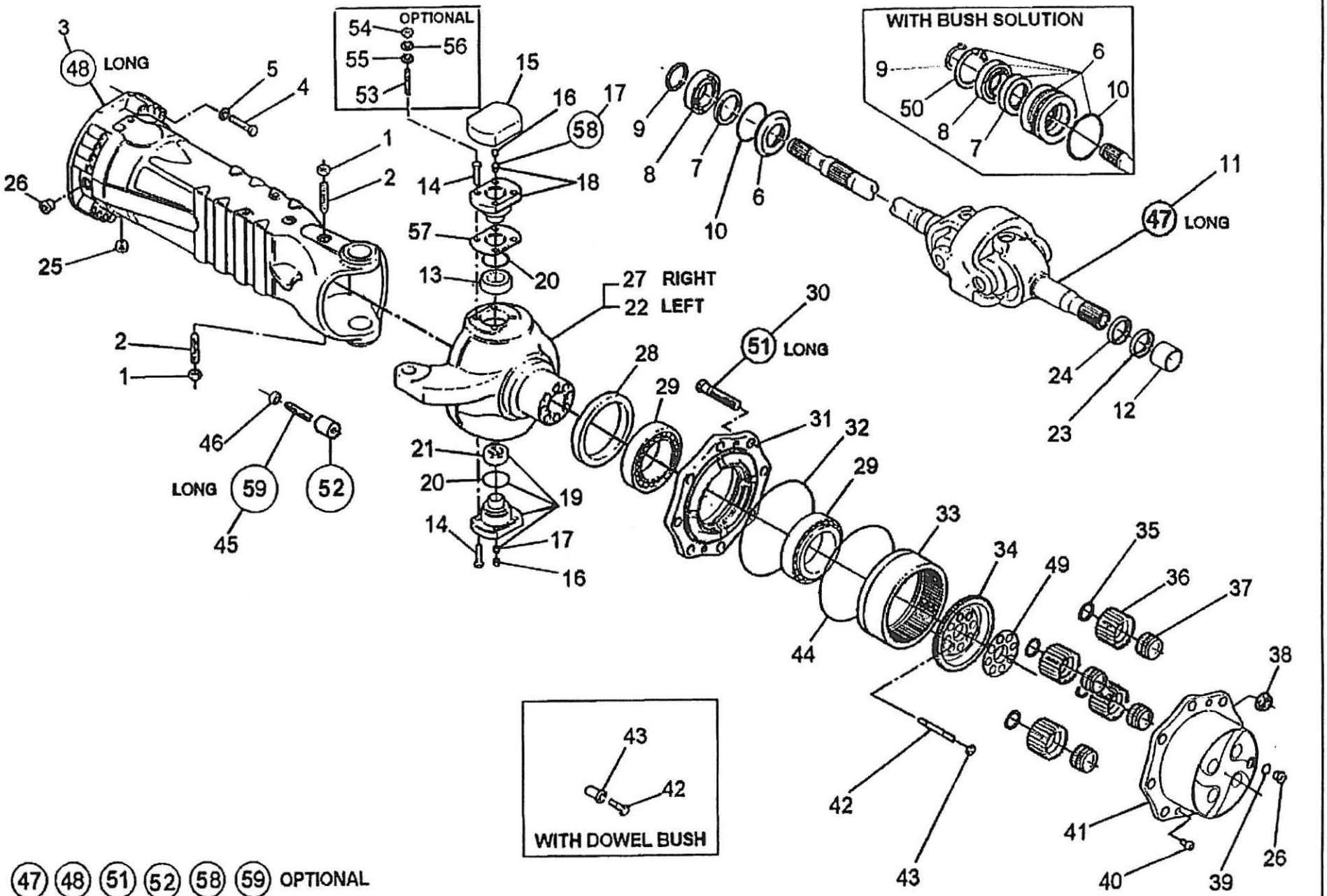
3	PAGE NUMBER	DIFFERENTIAL ASSEMBLY SS-636C, SS-644C, & SS-842C REAR AXLE	DRAWING NUMBER	P1-1259

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

PAGE NUMBER 4

STEERING AXLE ASSEMBLY
SS-636C, SS-644C, & SS-842C REAR AXLE

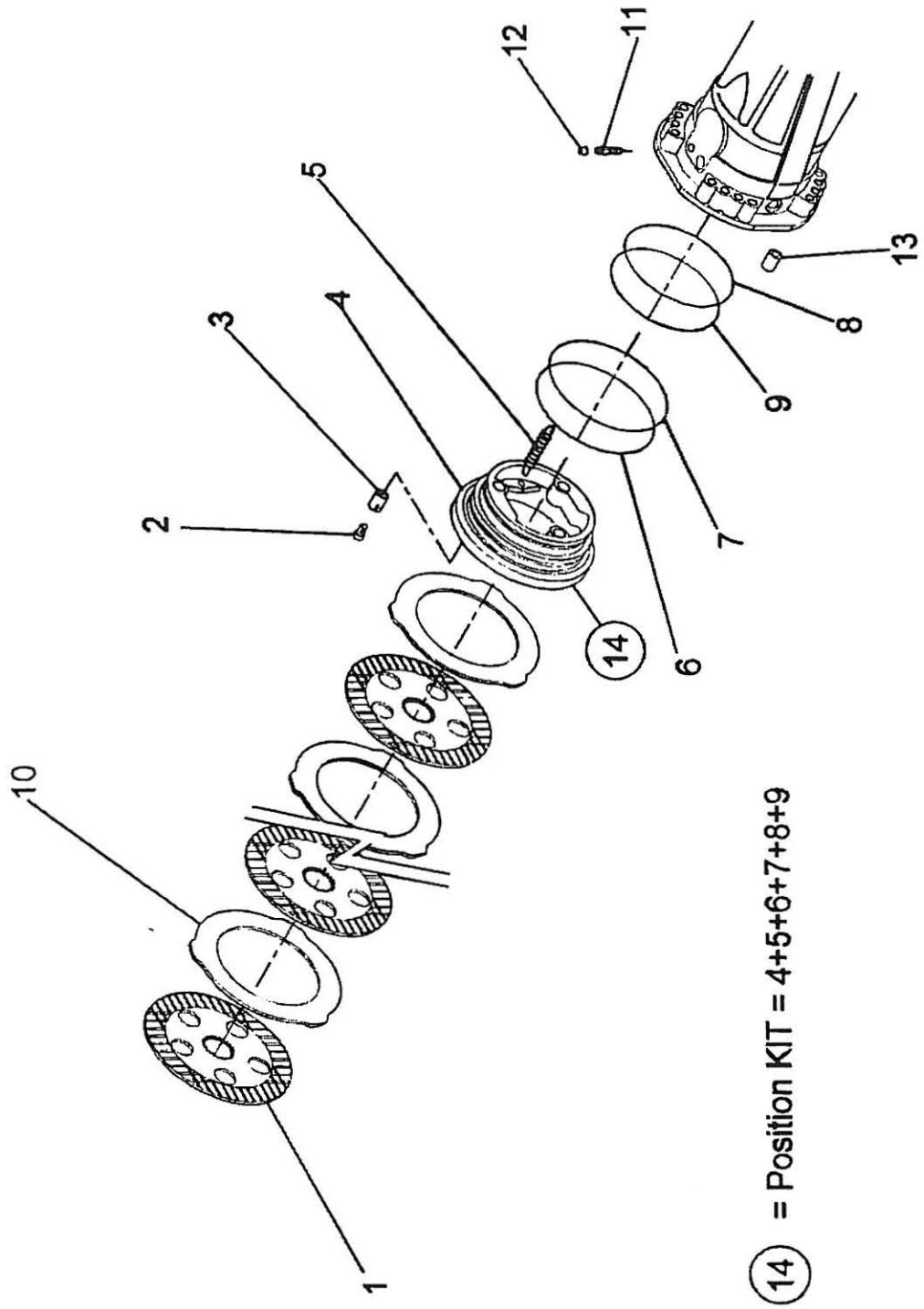
DRAWING NUMBER P1-1260



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

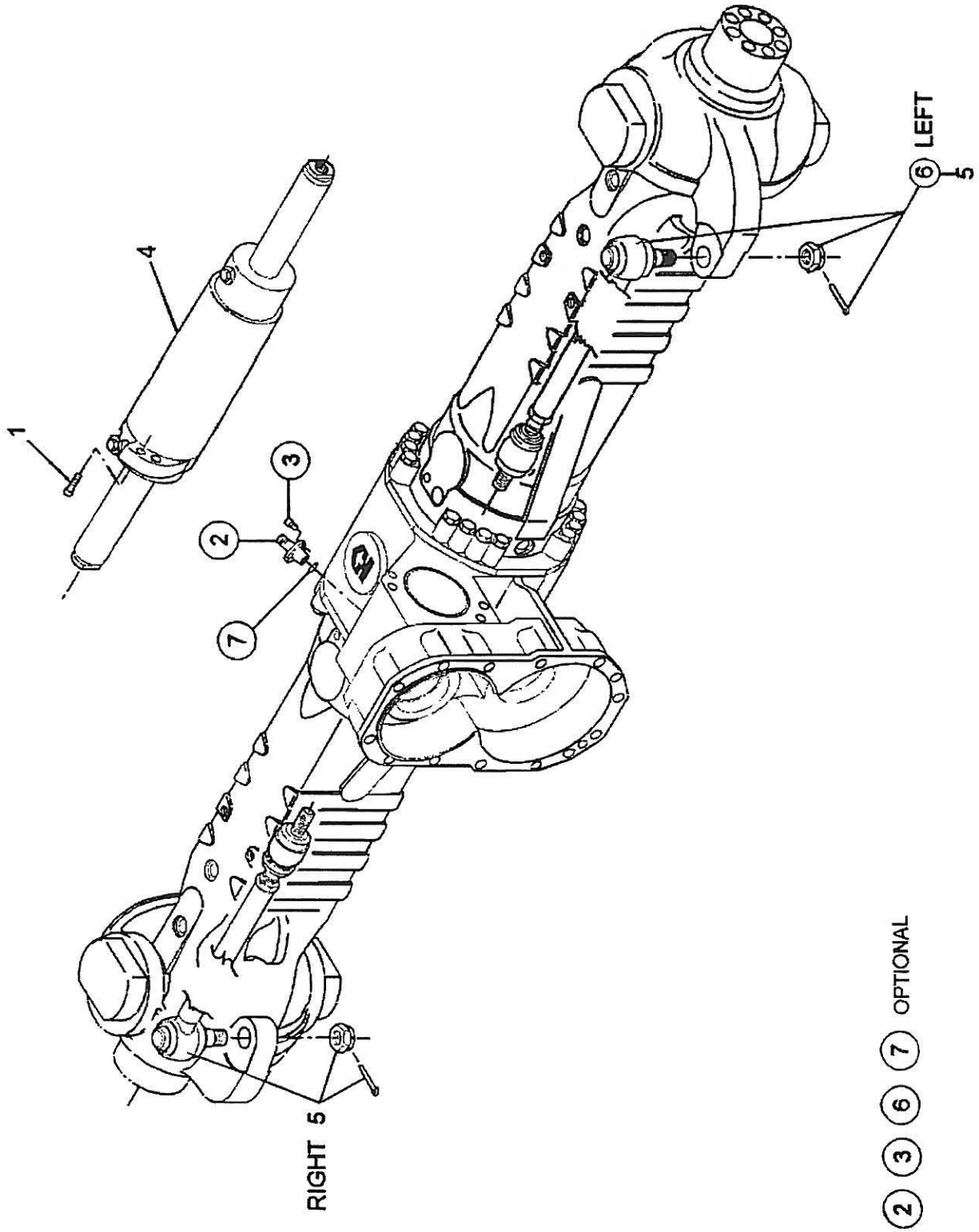
ITEM	NUMBER	DESCRIPTION	REQD
51			
52			
53			
54			
55			
56			
57		SHIM / SEE ITEMS 58-60 BELOW	
58	7-229-602	SHIM / 0.15mm	AR
59	7-229-603	SHIM / 0.20mm	AR
60	7-229-604	SHIM / 0.50mm	AR

NOTES



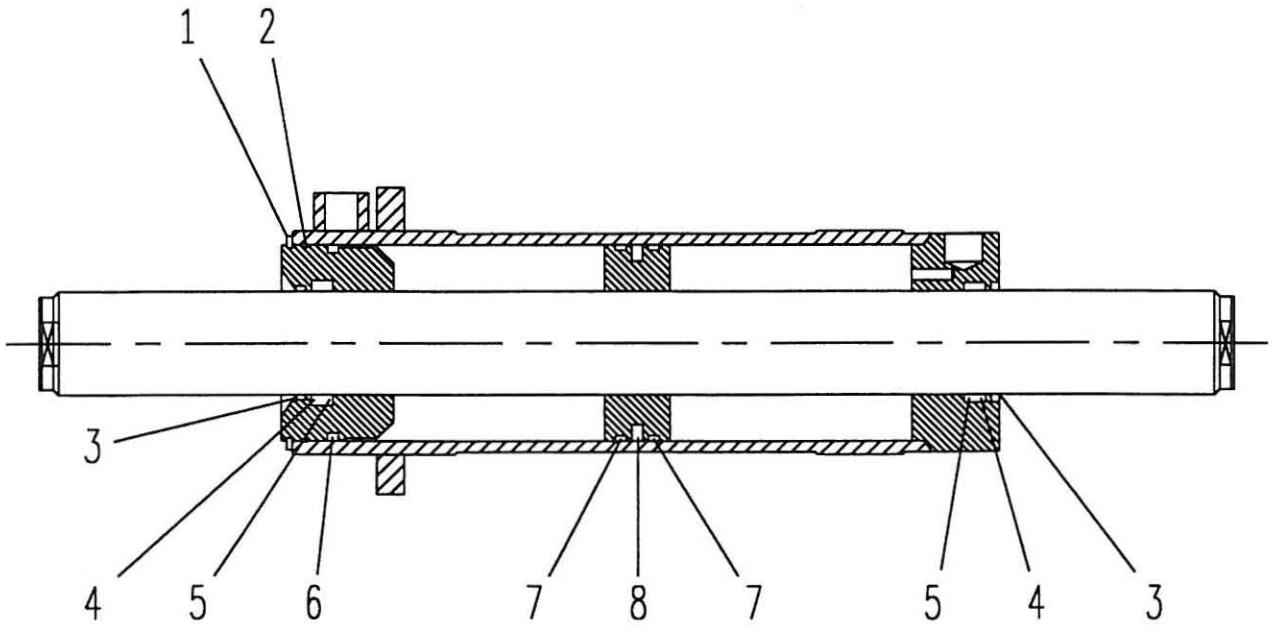
5 PAGE NUMBER	DISC BRAKE ASSEMBLY SS-636C, SS-644C, & SS-842C REAR AXLE	DRAWING NUMBER	P1-1267

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



6	PAGE NUMBER	STEERING ARMS ASSEMBLY SS-636C, SS-644C, & SS-842C REAR AXLE	DRAWING NUMBER	P1-1268

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



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