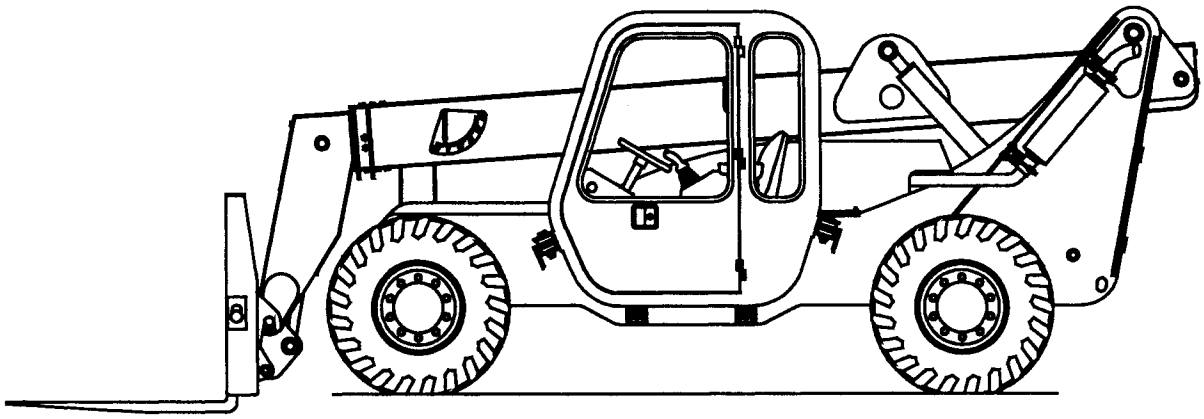
235750

PARTS BOOK
TH528C



DATE: 03-27-01

CUMMINS B3.9-C-80 ENGINE
CLARK T12000 SERIES TRANSMISSION
DANA 212 AXLES
7-316 HYDRAULIC CYLINDERS
DAVID BROWN MAIN VALVE
DAVID BROWN 4-WAY CONTROLLER

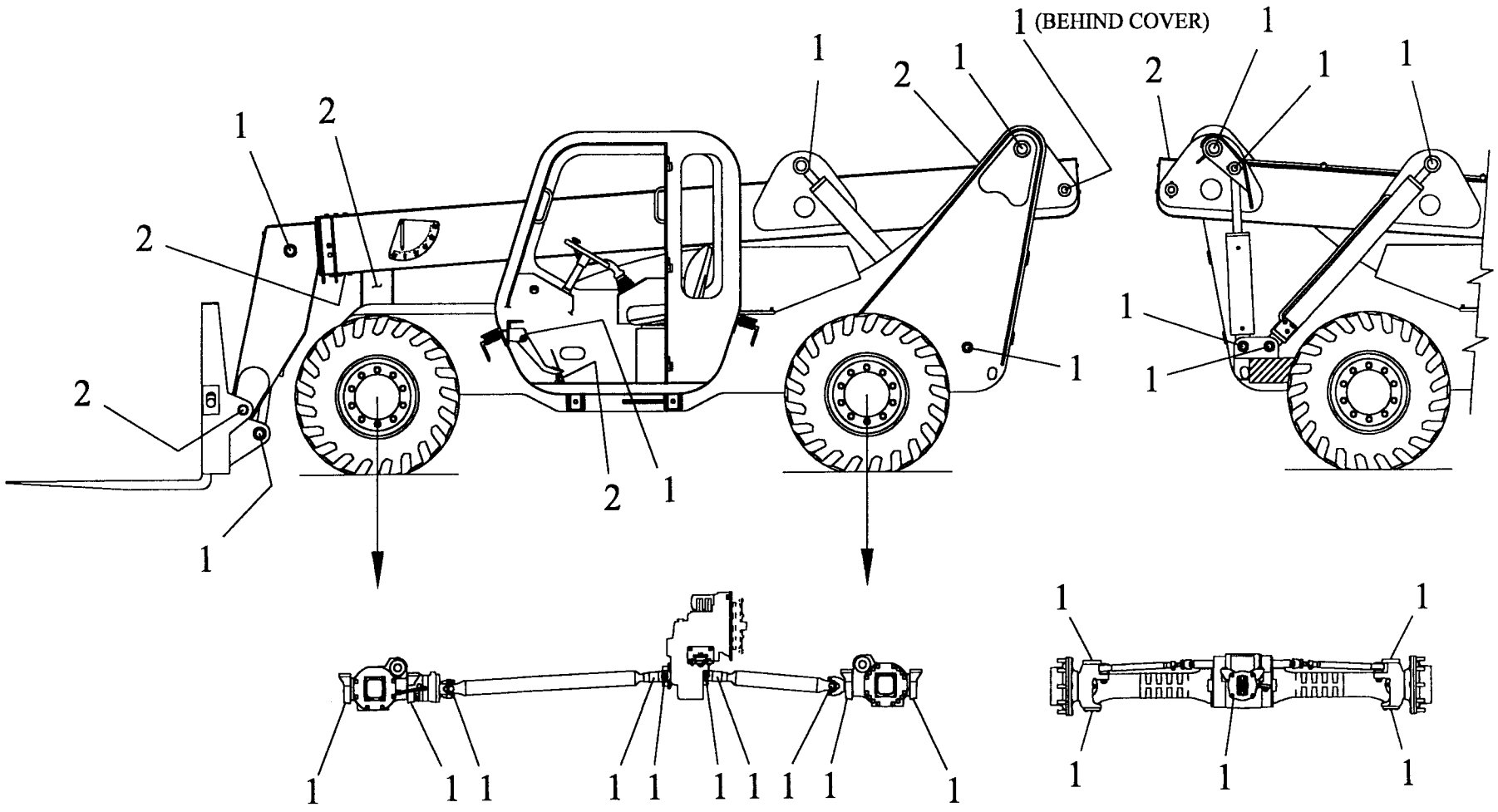
Serial Number:_____

TEREX HANDLERS
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PH: (906) 353-6675; FAX: (906) 353-7543
INTERNET: http://www.sqshooter.com

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TH528C

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48	ELECTRIC 4-WAY VALVE / 7-244-31	P3-1140
49	MAIN VALVE ASSEMBLY / 7-358-15	P1-1364
50	CONTROLLER RELIEF VALVE / 7-367-01	P1-1446


1 (BEHIND COVER)
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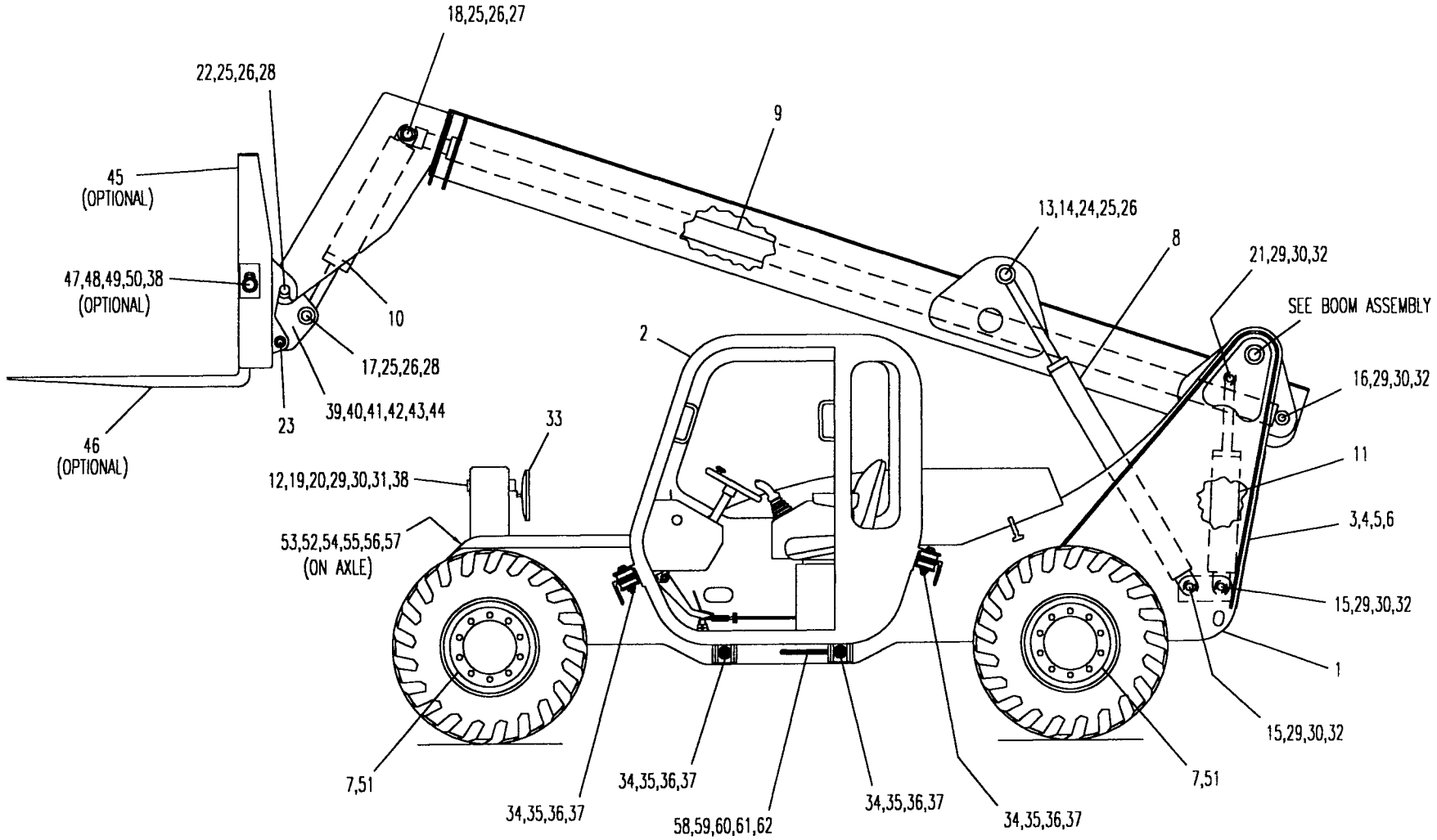
MANUFACTURER PART NUMBER	NUMBER	DESCRIPTION	SEAL KIT
PPDB-LNN	7-234-13	CARTRIDGE / REDUCING RELIEVING	7-234-29
CKCD-XCN	7-234-18	CARTRIDGE / PILOT CHECK	7-234-29
PPDB-LAN	7-234-28	CARTRIDGE / REDUCING RELIEVING	7-234-29
NFCC-LDN	7-234-37	CARTRIDGE / NEEDLE	7-234-31
CAEA-LHN	7-234-53	CARTRIDGE / COUNTERBALANCE	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
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	7-198-43	BRAKE ACTUATOR / P1-1242	7-198-40
	7-256-71	ORBITRAL / STEERING / P1-1290	7-256-35
	7-358-15	VALVE ASSEMBLY / 3 SECTION / P1-1364	7-358-40
	7-358-08	PARKING BRAKE VALVE	7-358-42

TH528C FILTER GUIDE

DESCRIPTION	PART NO.	APPLICATION
1. HYDRAULIC RETURN FILTER ELEMENT	7-118-02	TH528C
2. ENGINE OIL FILTER / CUMMINS	7-343-08	TH528C
3. ENGINE FUEL FILTER	7-343-09	TH528C
4. ENGINE FUEL / WATER SEPARATOR	7-343-10	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	4-2110-1	DECAL / TH528C	2
2	4-1401-1	DECAL / STEERING SELECTOR (*)	REF
3	4-1401-2	DECAL / DIESEL FUEL (*)	REF
4	4-1401-3	DECAL / HYDRAULIC OIL LEVEL (*)	REF
5	4-1401-6	DECAL / TRANSMISSION CONTROLS (*)	REF
6	4-1401-8	DECAL / TRANSMISSION OIL (*)	REF
7	4-1401-9	DECAL / FUSE HOLDER (*)	REF
8	4-1880-1	DECAL / BOOM ANGLE / WHITE LETTER	1
9	4-1880-3	DECAL / 4 - WAY CONTROLLER	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	3-1218	DECAL / WARNING	1
16	3-1257-1	DECAL / HYDRAULIC OIL ONLY	1
17	4-1579-1	DECAL / PARKING BRAKE	1
18	4-1579-2	DECAL / ELECTRIC HAZARD	1
19	4-1579-3	DECAL / SWAY CONTROL	1
20	4-1579-4	DECAL / NOT A MAN - LIFT	1
21	4-1579-5	DECAL / BEFORE OPERATING	1
22	4-1579-6	DECAL / BATTERY COMPARTMENT	1
23	4-1579-7	DECAL / COOLING SYSTEM	1
24	4-1579-8	DECAL / HOT EXHAUST	3
25	4-1579-9	DECAL / PINCH POINT AREA	12
26	4-1579-11	DECAL / USE THE SEAT BELT	1
27	4-1579-12	DECAL / NO RIDERS	1
28	4-1579-13	DECAL / HYDRAULIC SYSTEM	1
29	7-349-01	DECAL / TEREX CROWN / SMALL	2
30	7-349-02	DECAL / TEREX CROWN / MEDIUM	2
31	7-349-03	DECAL / TEREX CROWN / LARGE	2
32	3-1228-2	DECAL / BRAKE ON	1
33	3-1228-7	DECAL / BRAKE OFF	1
34	1-1285	DECAL / CHEVRON TRANSMISSION OIL	1
35	1-1286	DECAL / CHEVRON HYDRAULIC OIL	1
36	1-1287	DECAL / DAILY CHECKLIST	1
37	4-2111-2	DECAL / TEREX / MEDIUM	2
38	4-1401	FULL DECAL SHT. / ITEMS MARKED (*)	REF
39	7-900-101	DECAL KIT (ITEMS 1 THRU 37)	REF

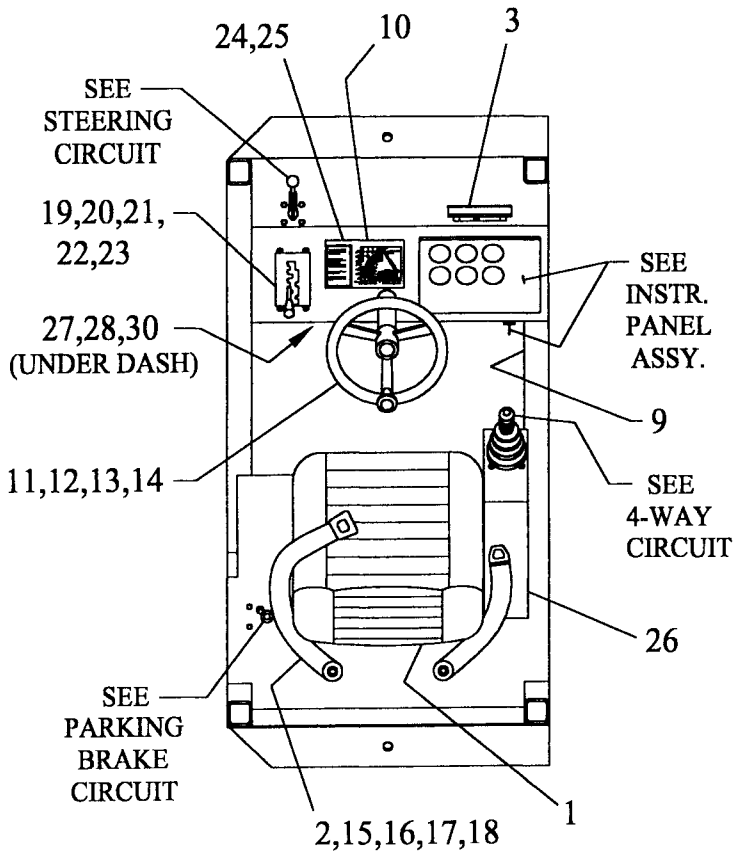
(*) DECALS NOT SOLD SEPARATELY

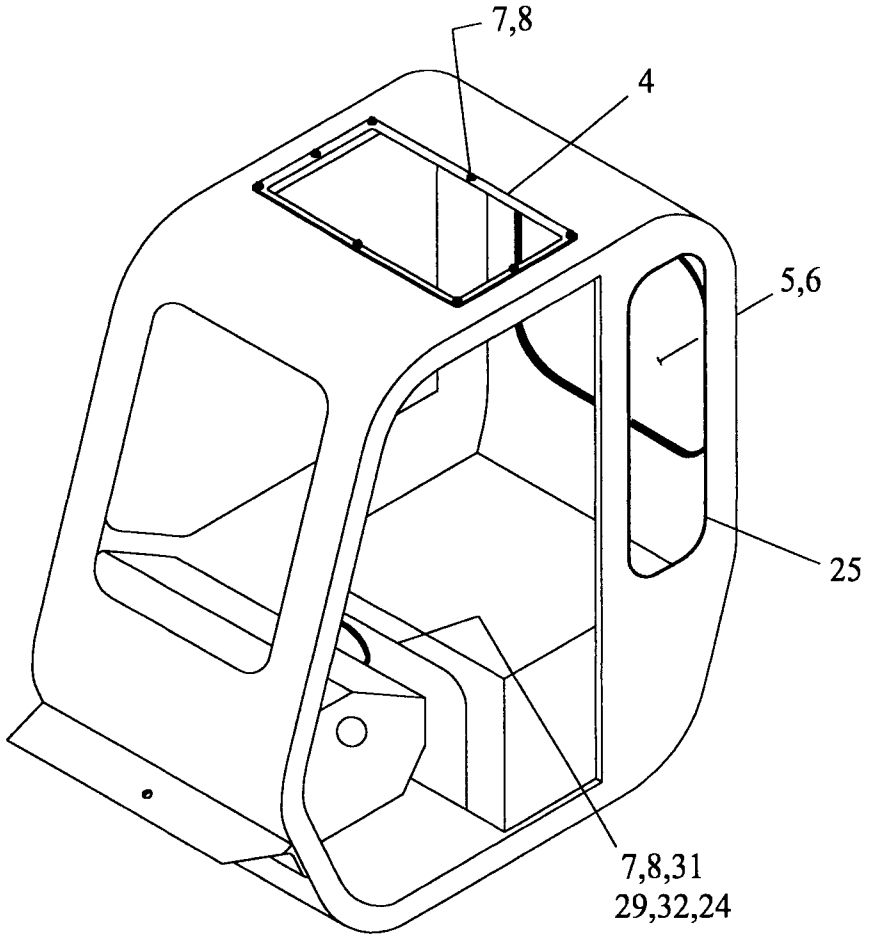

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ITEM	NUMBER	DESCRIPTION	REQD
1	4-2156	MAIN FRAME WELDMENT	1
2	4-1917	CAB WELDMENT	1
3	4-2158	REAR PANEL	1
4	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	2
5	6-6211-06	LOCKWASHER 3/8	2
6	6-6212-06	FLATWASHER 3/8	2
7	7-335-08	TIRE & WHEEL ASSEMBLY / RH	2
8	7-316-332	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	6-5214-40	CAPSCREW 7/8 NC x 5 LG.	4
35	6-6205-14	SELF LOCKING NUT 7/8 NC	4
36	7-190-06	WASHER / RUBBER MOUNTS	4
37	7-190-05	RUBBER MOUNT / CAB	8
38	6-6201-08	HEX NUT 1/2 NC	REF
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. (OPTIONAL)	REF
46	3-1391-10	FORK TINE / 48 IN. (OPTIONAL)	REF
47	2-1067-10	FORK TINE PIN / 48 IN.	REF
48	1-1074	COLLAR / FORK TINE PIN	REF
49	6-5208-36	CAPSCREW 1/2 NC x 4 1/2 LG.	REF
50	6-6211-08	LOCKWASHER 1/2	REF
51	7-335-09	TIRE & WHEEL ASSEMBLY / LH	2
52	6-4516-16	BRONZE BUSHING / AXLE SWAY	REF

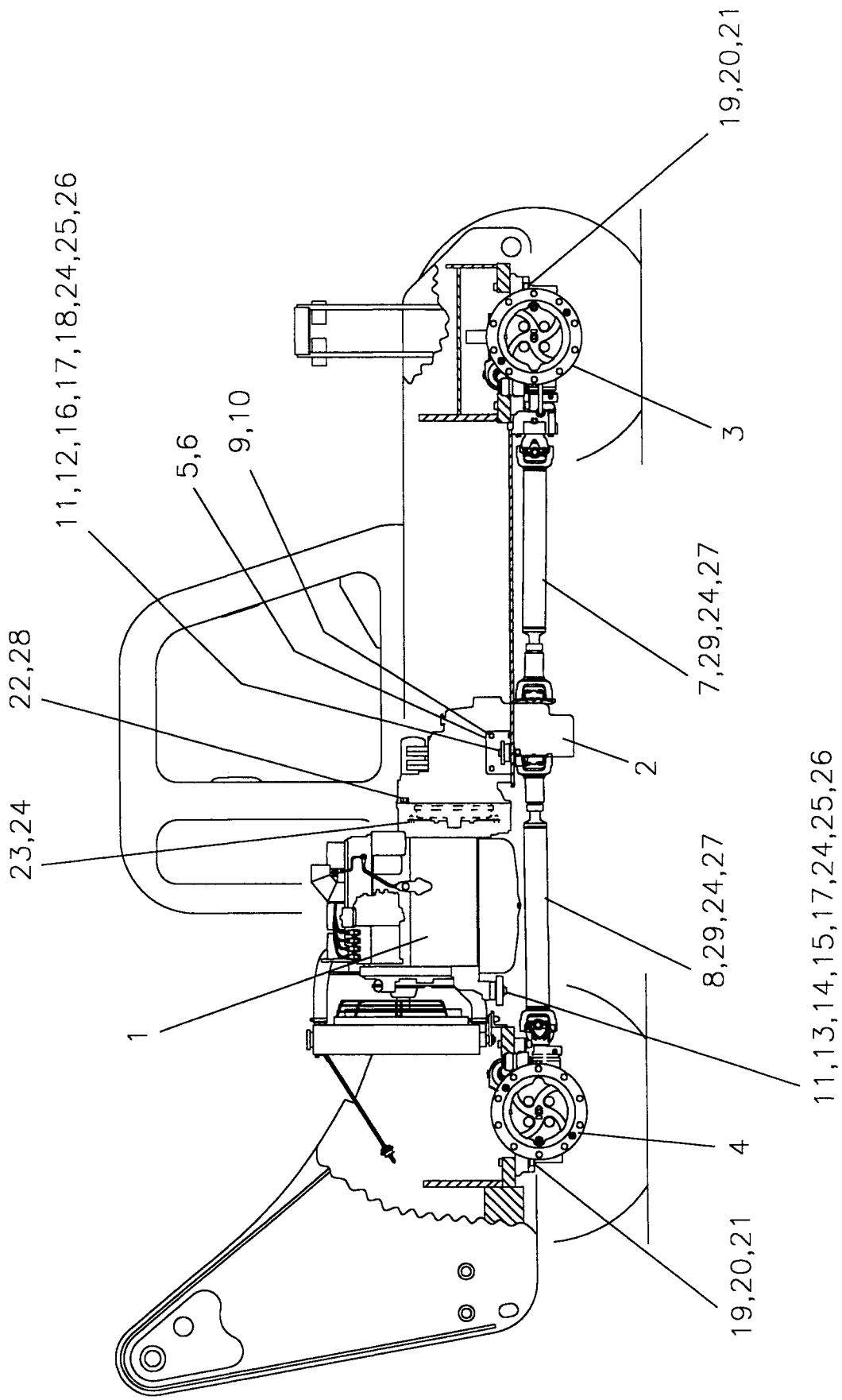
ITEM	NUMBER	DESCRIPTION	REQD
53	3-1435	SWAY MOUNT / 212 AXLE	1
54	1-1239	BASE PLATE / SWAY MOUNT	1
55	6-5312-68	CAPSCREW 3/4 NF x 8 1/2 LG.	4
56	6-6211-12	LOCKWASHER 3/4	4
57	6-6202-12	HEX NUT 3/4 NF	4
58	7-319-17	GROUND STRAP / CAB	1
59	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	1
60	6-5206-12	CAPSCREW 3/8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

NOTES


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SEE STEERING CIRCUIT
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27,28,30 (UNDER DASH)
11,12,13,14
SEE INSTR. PANEL ASSY.
9
SEE 4-WAY CIRCUIT
26
SEE PARKING BRAKE CIRCUIT
2,15,16,17,18
1

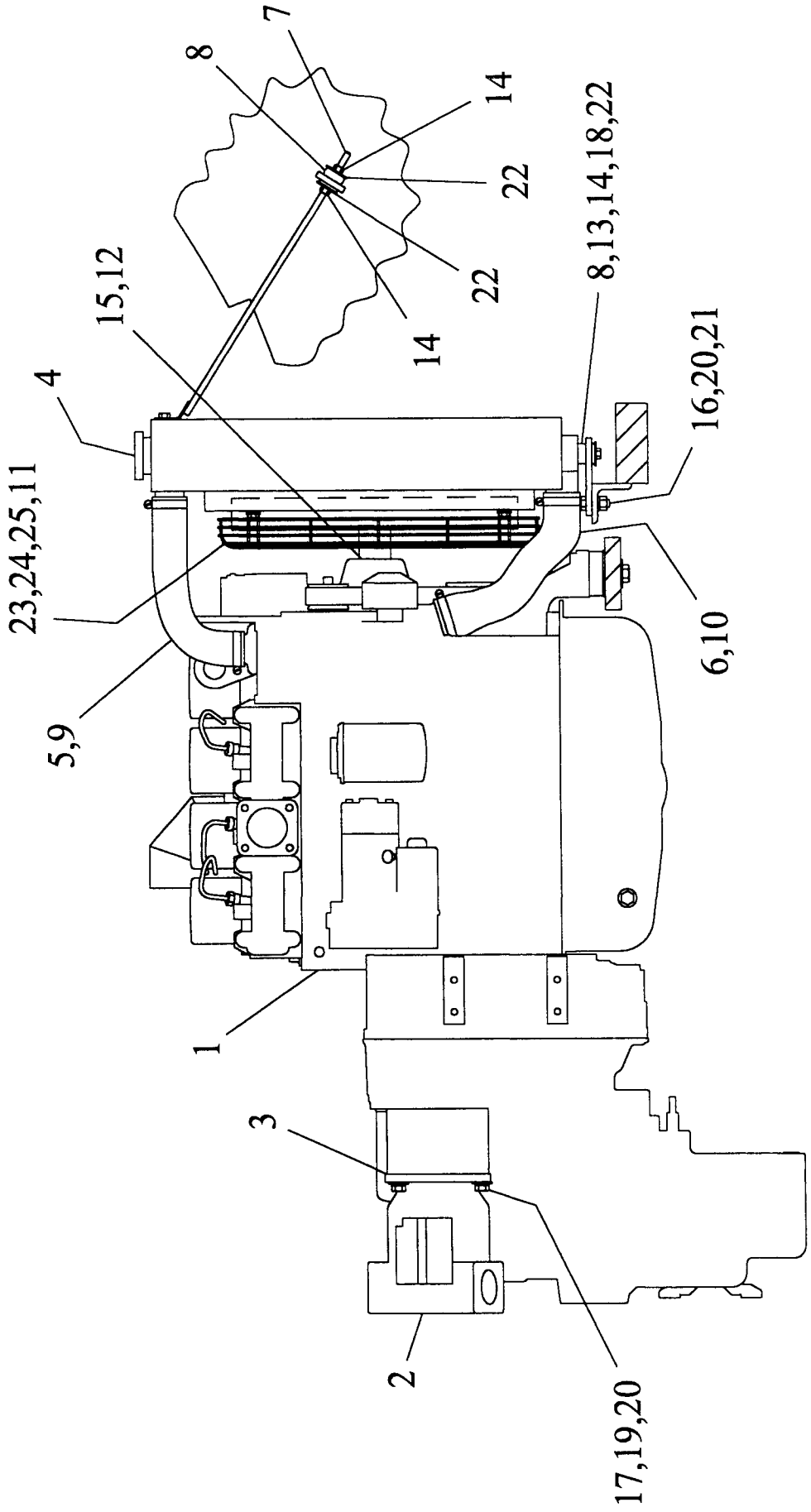

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-197-01	SEAT	1
2	7-337-01	SEAT BELT	1
3	7-104-01	LEVEL GAGE	1
4	4-1861-1	GLASS / SKYLIGHT	1
5	6-4110-07	GLASS / REAR WINDOW	1
6	6-9608-720	RUBBER / REAR WINDOW	1
7	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	12
8	6-6212-04	FLATWASHER 1/4	12
9	6-9601-133	EDGING 1/4 x 16 5/8 LG.	4
10	2-1239	LOAD CHART / TH528C	1
11	7-256-32	NUT / STEERING WHEEL (w/ ITEM 12)	REF
12	7-256-71	STEERING ORBITRAL	REF
13	7-352-01	STEERING WHEEL	1
14	7-352-02	HORN BUTTON KIT	1
15	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	2
16	6-6211-06	LOCKWASHER 3/8	2
17	6-6212-06	FLATWASHER 3/8	2
18	6-6201-06	HEX NUT 3/8 NC	2
19	7-351-01	TRANSMISSION CONTROL	1
20	6-6284-08	MACHINE SCREW #10-32 x 3/4 LG.	4
21	6-6286-06	HEX NUT #10-32	4
22	6-6286-12	FLATWASHER #10	4
23	6-6286-07	LOCKWASHER #10	4
24	6-9601-80	EDGING 1/4 x 10 LG.	1
25	6-9601-664	EDGING 1/4 x 83 LG.	1
26	4-1832	CONTROLLER MOUNT / ARMREST	1
27	6-9601-144	EDGING 1/4 x 18 LG.	1
28	4-1819-2	VANDAL COVER / UNDER DASH	REF
29	4-1819-3	COVER / SEAT MOUNT	REF
30	7-290-01	BODY BOLT 5/16 NC x 3/4 LG.	4
31	6-6211-04	LOCKWASHER 1/4	4
32	7-194-09	GROMMET	1



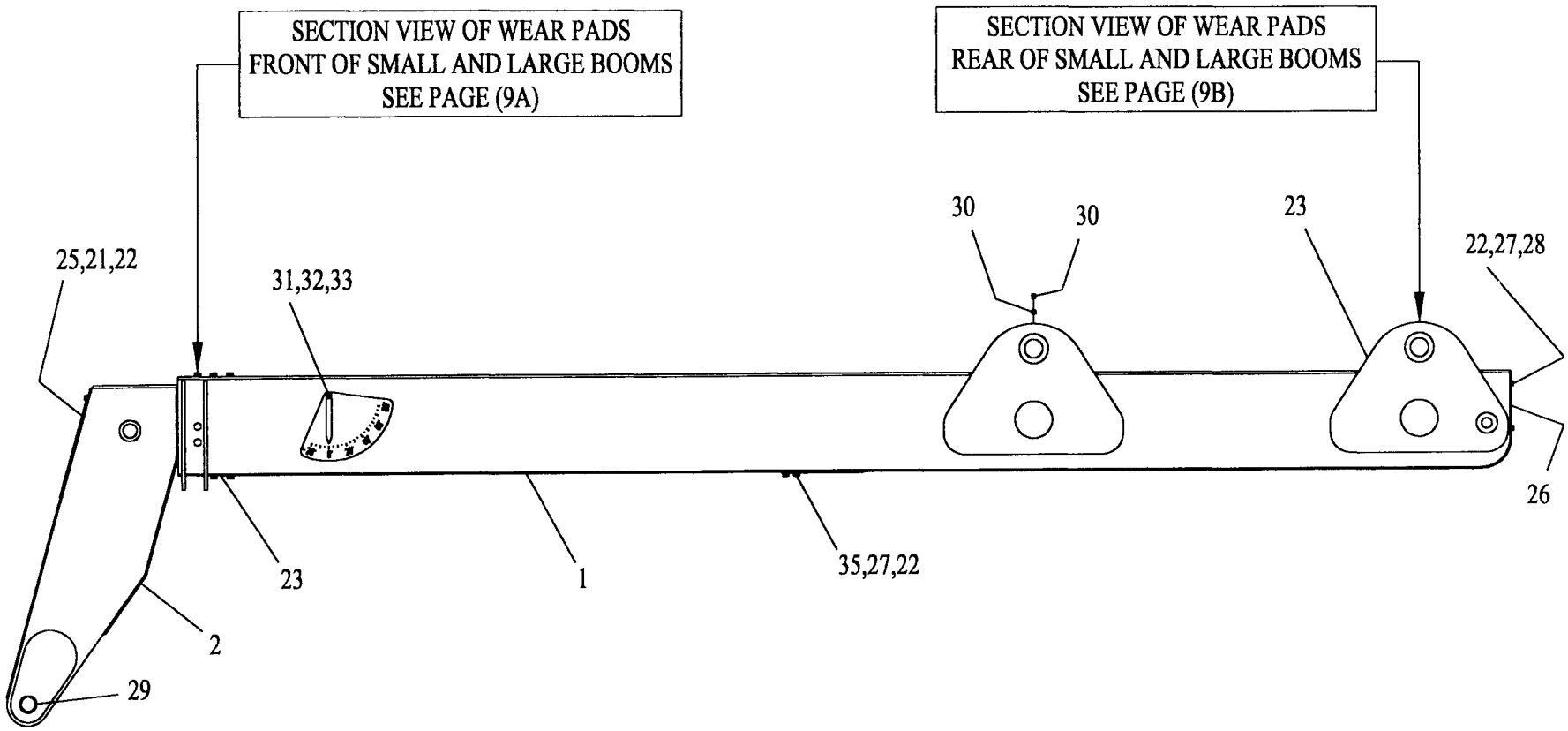
7 PAGE NUMBER	POWER TRAIN ASSEMBLY TH528C	DRAWING NUMBER P1-1344

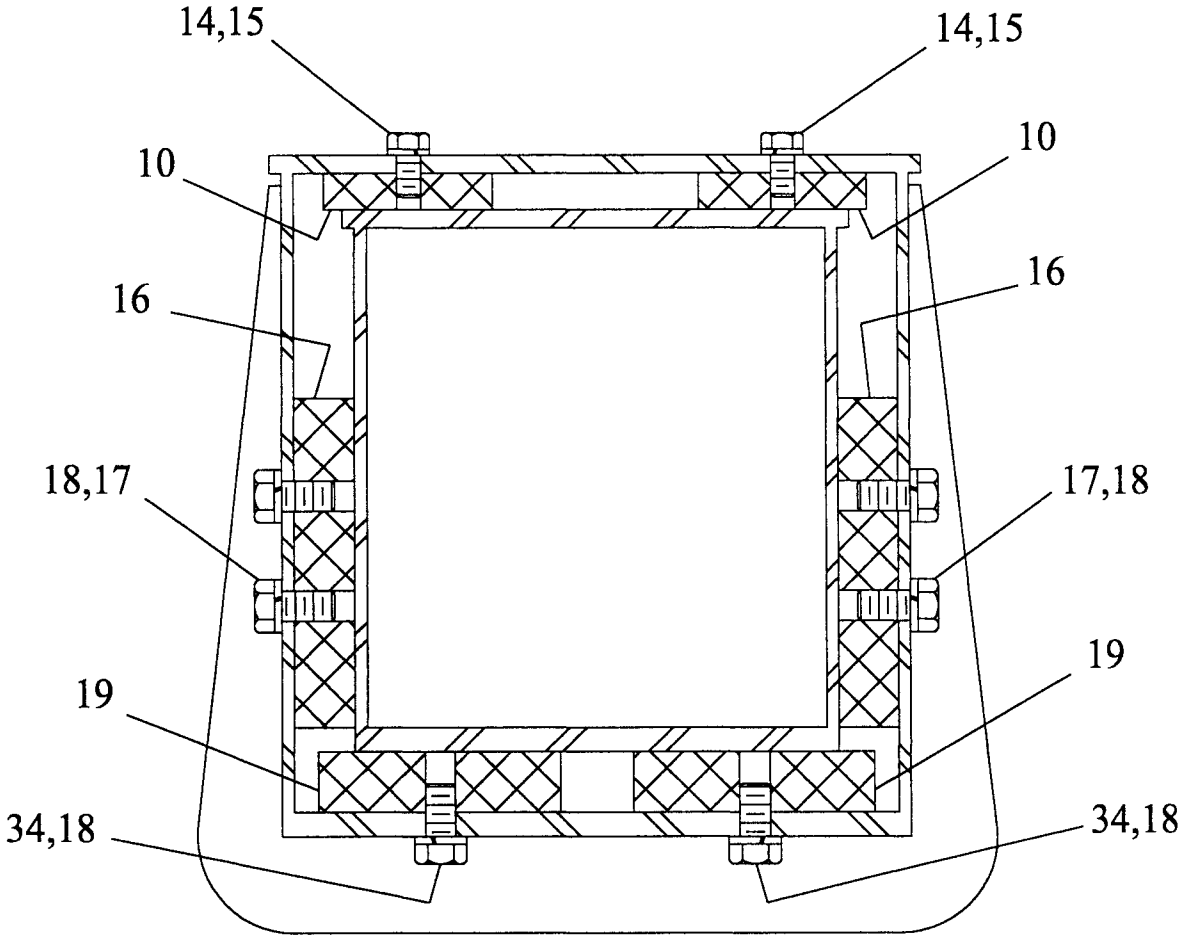
ITEM	NUMBER	DESCRIPTION	REQD
1	P1-1345	ENGINE and PUMP ASSEMBLY	REF
2	7-126-354	TRANSMISSION ASSEMBLY	1
3	7-229-377	AXLE ASSEMBLY / FRONT	1
4	7-229-378	AXLE ASSEMBLY / REAR	1
5	3-1360-1	MOUNT / TRANSMISSION / LH	1
6	3-1360-2	MOUNT / TRANSMISSION / RH	1
7	7-196-52	DRIVESHAFT / FRONT	1
8	7-196-67	DRIVESHAFT / 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 / ENGINE-TRANS.	3
12	6-5310-30	CAPSCREW 5/8 NF x 3 3/4 LG.	2
13	6-5210-32	CAPSCREW 5/8 NC x 4 LG.	1
14	6-6207-10	JAM NUT 5/8 NC	1
15	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	2
16	6-6212-10	FLATWASHER 5/8	3
17	6-6211-10	LOCKWASHER 5/8	3
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	30
25	6-6201-06	HEX NUT 3/8 NC	6
26	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	4
27	6-5306-16	CAPSCREW 3/8 NF x 2 LG.	16
28	6-9111-10	LOCKWASHER 10mm	11
29	7-196-51	STRAP KIT	REF



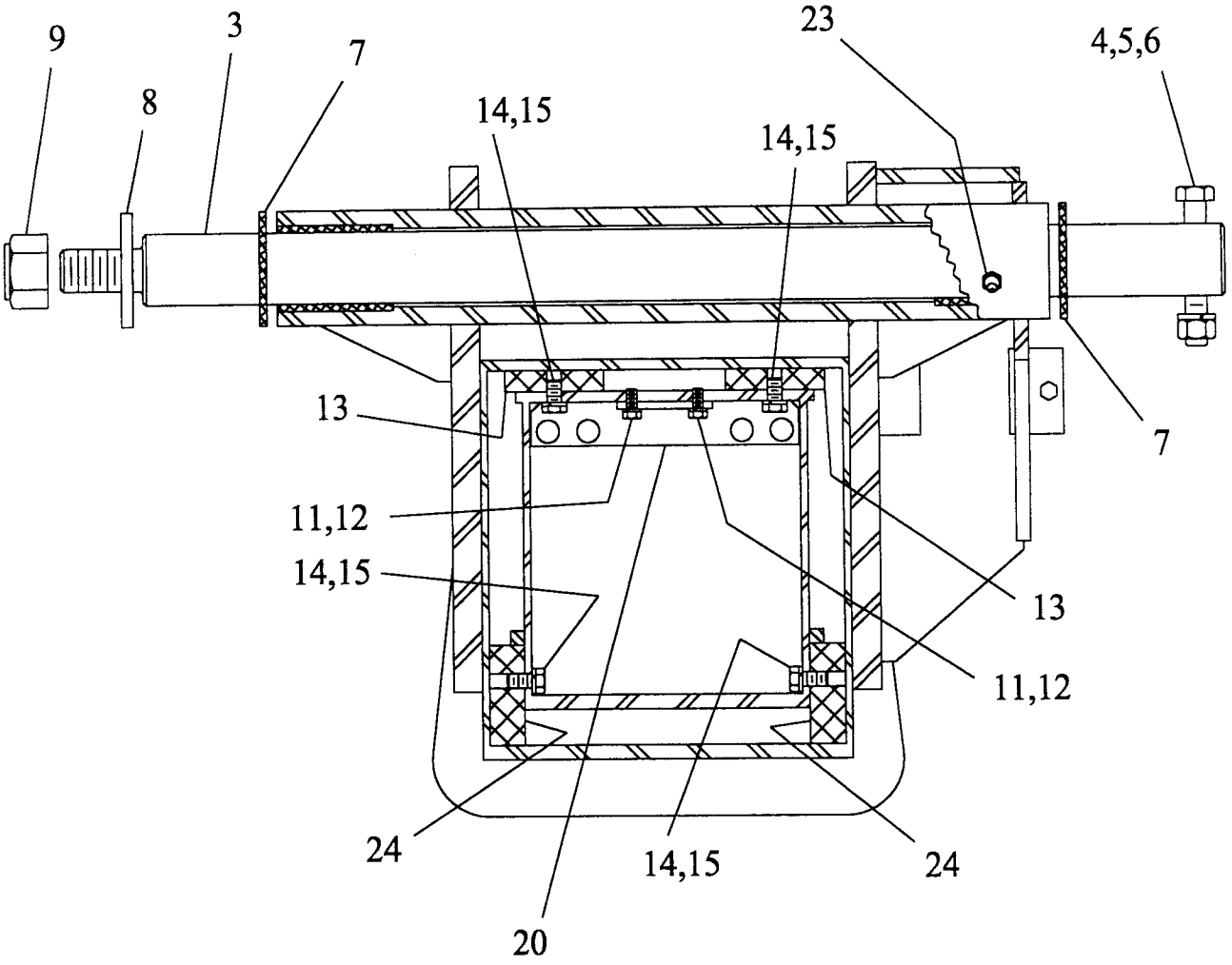
8	PAGE NUMBER	ENGINE & PUMP ASSEMBLY TH528C	DRAWING NUMBER	P1-1345

ITEM	NUMBER	DESCRIPTION	REQD
1	7-343-24	ENGINE ASSY / CUMMINS B3.9-C-80	1
2	7-345-113	PUMP / PISTON TYPE / 60cc	1
3	7-126-517	GASKET / PUMP DRIVE	1
4	7-362-02	RADIATOR	1
5	7-158-86	RADIATOR HOSE / UPPER	1
6	7-158-87	RADIATOR HOSE / LOWER	1
7	3-1367	ADJUSTING ROD / UPPER RADIATOR MT.	1
8	7-190-04	RUBBER MOUNT / CENTER BONDED	3
9	6-6252-08	CLAMP / RADIATOR HOSE	2
10	6-6252-10	CLAMP / RADIATOR HOSE	2
11	6-6212-06	FLATWASHER 3/8	4
12	7-343-16	SPACER / FAN / 2 1/2 (1 REQ.)	REF
13	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	2
14	6-6205-06	SELF LOCKING NUT 3/8 NC	4
15	7-343-34	FAN / BLOWER / 18 IN.	REF
16	6-5208-12	CAPSCREW 1/2 NC x 1 1/2 LG.	2
17	6-5208-20	CAPSCREW 1/2 NC x 2 1/2 LG.	4
18	1-1210	MOUNT / RADIATOR	2
19	6-6212-08	FLATWASHER 1/2	4
20	6-6211-08	LOCKWASHER 1/2	6
21	6-6201-08	HEX NUT 1/2 NC	2
22	7-190-02	WASHER / CENTER BONDED RUBBER MT.	4
23	4-1685	FAN GUARD / 18 IN. FAN	1
24	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	4
25	6-6211-05	LOCKWASHER 5/16	4


SECTION VIEW OF WEAR PADS
FRONT OF SMALL AND LARGE BOOMS
SEE PAGE (9A)
SECTION VIEW OF WEAR PADS
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SEE PAGE (9B)
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30
23
22,27,28
26
23
1
35,27,22
2
29

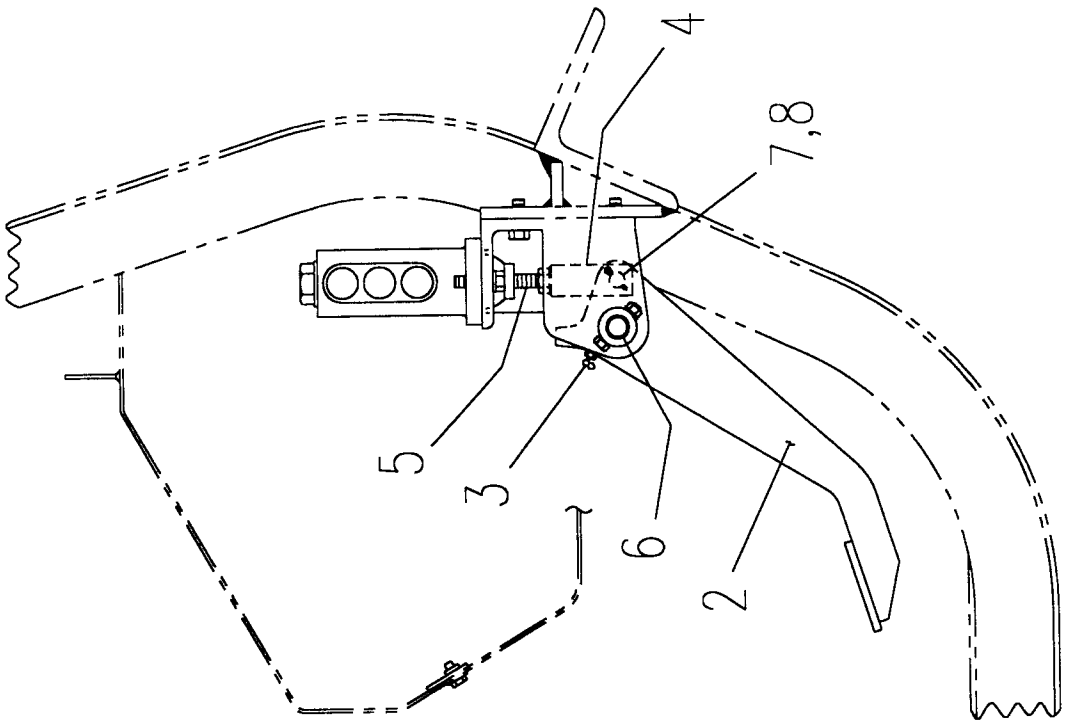


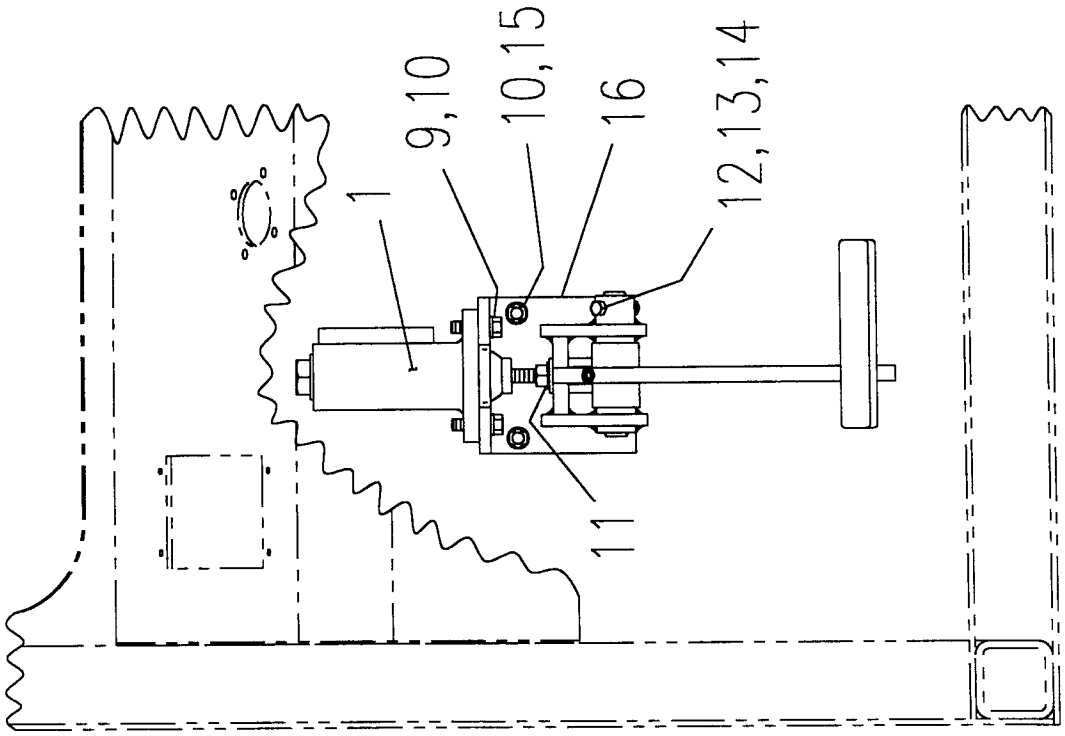
SECTION VIEW OF WEAR PADS FRONT OF SMALL AND LARGE BOOMS



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

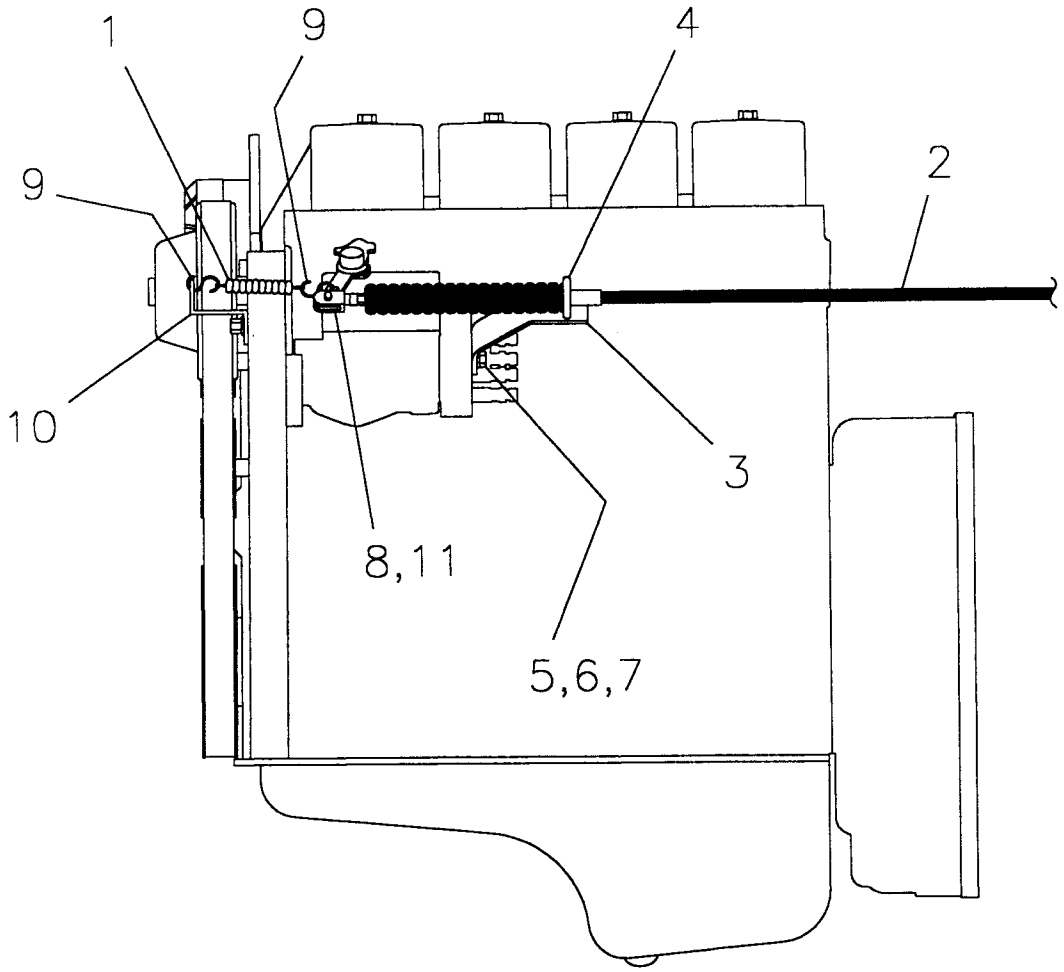
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2160	LARGE BOOM	1
2	4-2159	SMALL BOOM	1
3	3-1154-6	CROSS SHAFT / MAIN PIVOT	1
4	6-5312-40	CAPSCREW 3/4 NF x 5 LG.	1
5	6-6202-12	HEX NUT 3/4 NF	1
6	6-6211-12	LOCKWASHER 3/4	1
7	6-6600-13	THRUSTWASHER 4.00 x 2.50 x .250	2
8	1-1306	WASHER / STEEL	1
9	6-6206-24	SELF LOCKING NUT 1 1/2 NF	1
10	2-1227	WEAR PAD / TOP / LG. BOOM	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	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	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	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



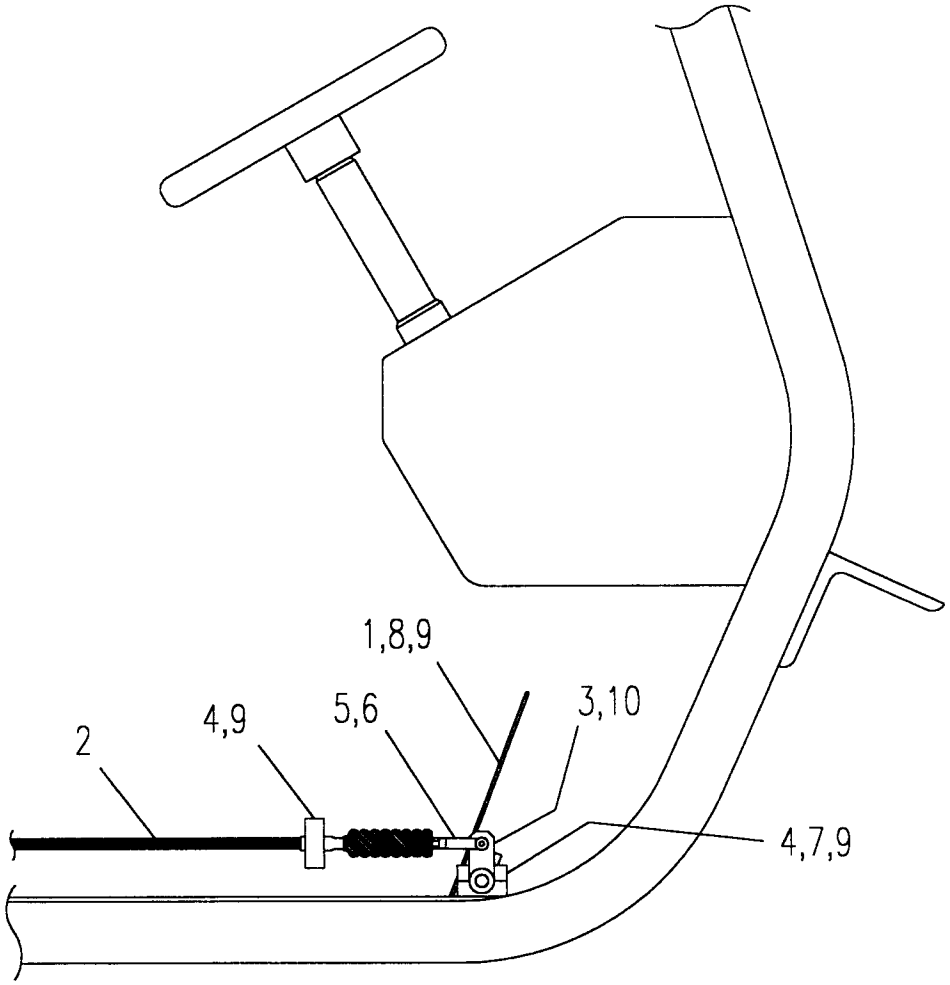


10	PAGE NUMBER	FOOT BRAKE ASSEMBLY TH528C	DRAWING NUMBER	P4-1840

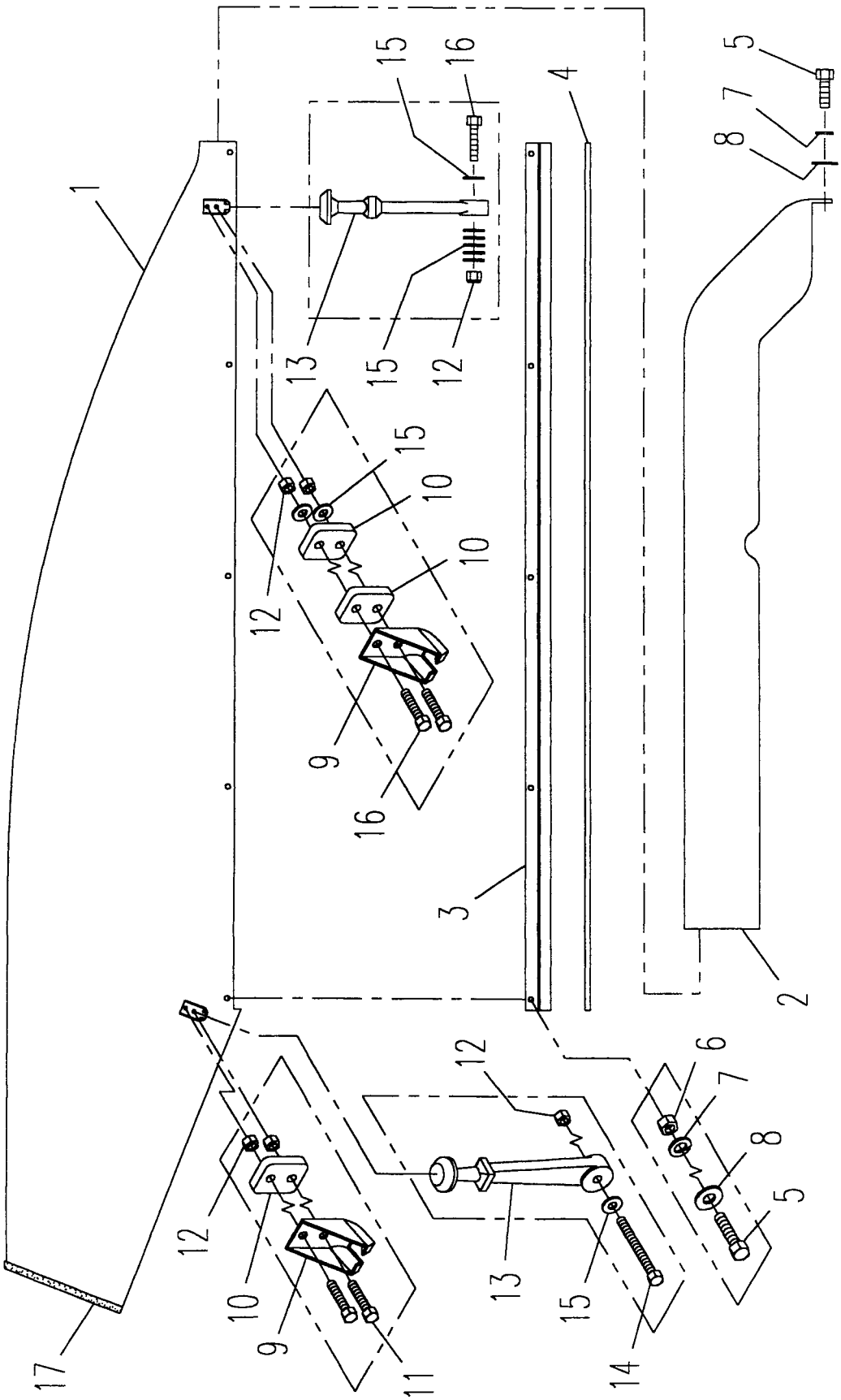
ITEM	NUMBER	DESCRIPTION	REQD
1	7-198-43	ACTUATOR / BRAKE	1
2	3-1148	PEDAL / BRAKE	1
3	6-6307	LUBE FITTING 1/4-28 THD. / 90	1
4	1-1008	YOKE / BRAKE	1
5	1-1009	PUSH ROD	1
6	2-1117	PIN / BRAKE PEDAL	1
7	6-6261-12	CLEVIS PIN 1/2 x 1 1/2 LG.	1
8	6-6245-08	COTTER PIN 5/32 x 1 LG.	1
9	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	2
10	6-6211-06	LOCKWASHER 3/8	5
11	6-6202-08	HEX NUT 1/2 NF	1
12	6-5205-14	CAPSCREW 5/16 NC x 1 3/4 LG.	1
13	6-6211-05	LOCKWASHER 5/16	1
14	6-6201-05	HEX NUT 5/16 NC	1
15	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	3
16	4-1582	MOUNT / BRAKE PEDAL	1



ITEM	NUMBER	DESCRIPTION	REQD
1	7-194-20	SPRING / RETURN	1
2	7-266-02	CABLE / ACCELERATOR	REF
3	1-1179	MOUNT / ACCELERATOR CABLE	1
4	7-194-07	U-BOLT w/ NUTS	1
5	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	2
6	6-6211-04	LOCKWASHER 1/4	2
7	6-6201-04	HEX NUT 1/4 NC	2
8	7-194-05	YOKE w/ CLEVIS PIN & COTTER PIN	1
9	7-194-18	S-HOOK	2
10	1-1017	MOUNT / RETURN SPRING	1
11	6-6208-04	JAM NUT 1/4-28 (w/ CABLE)	REF

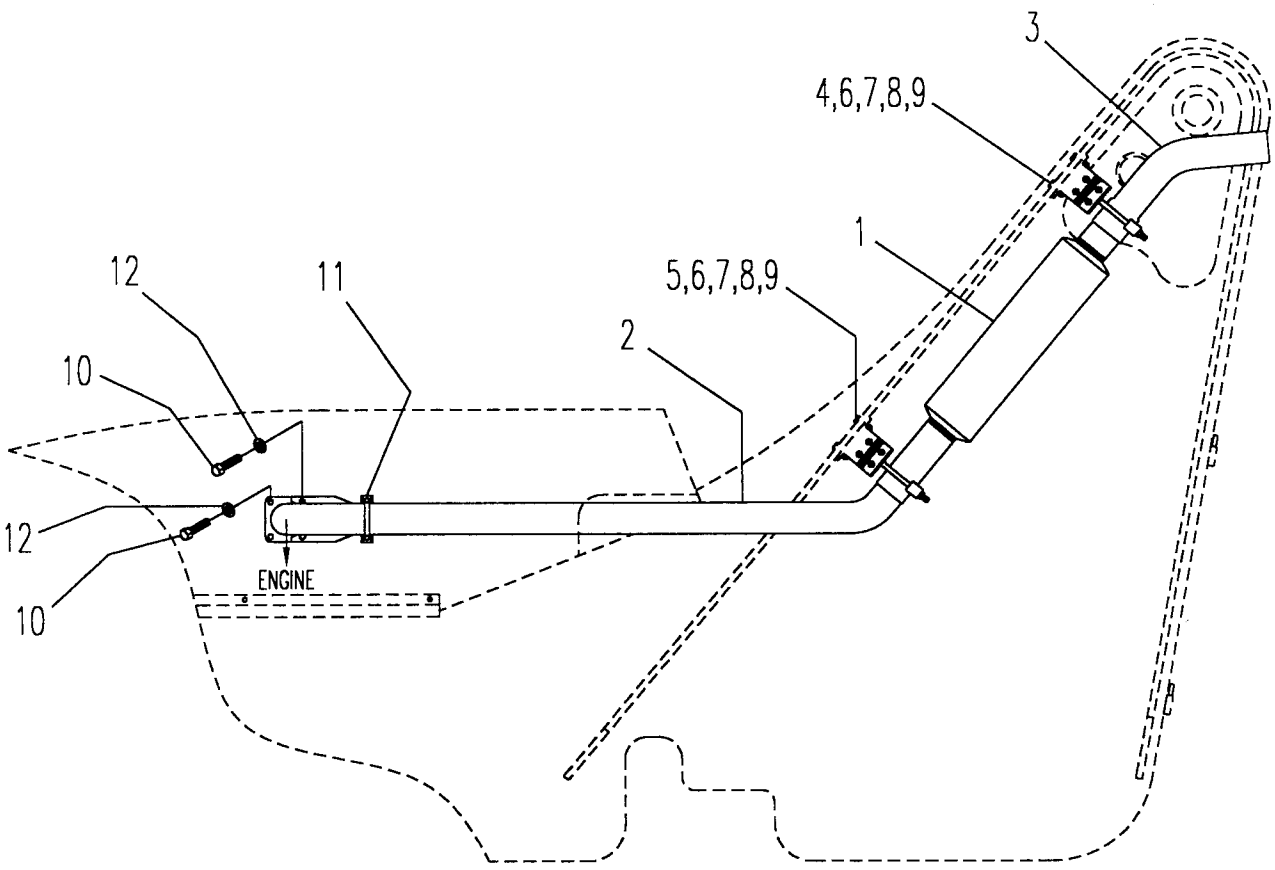


ITEM	NUMBER	DESCRIPTION	REQD
1	3-1080	PEDAL / ACCELERATOR	1
2	7-266-02	CABLE / ACCELERATOR	1
3	3-1380	LINKAGE / ACCELERATOR	1
4	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	6
5	7-194-05	YOKE w/ CLEVIS PIN & COTTER PIN	1
6	6-6208-04	JAM NUT 1/4-28 w/ CABLE	REF
7	6-6306	LUBE FITTING 1/4-28 STR.	2
8	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	2
9	6-6211-04	LOCKWASHER 1/4	8
10	7-194-06	SHIM (AS REQ'D.)	2

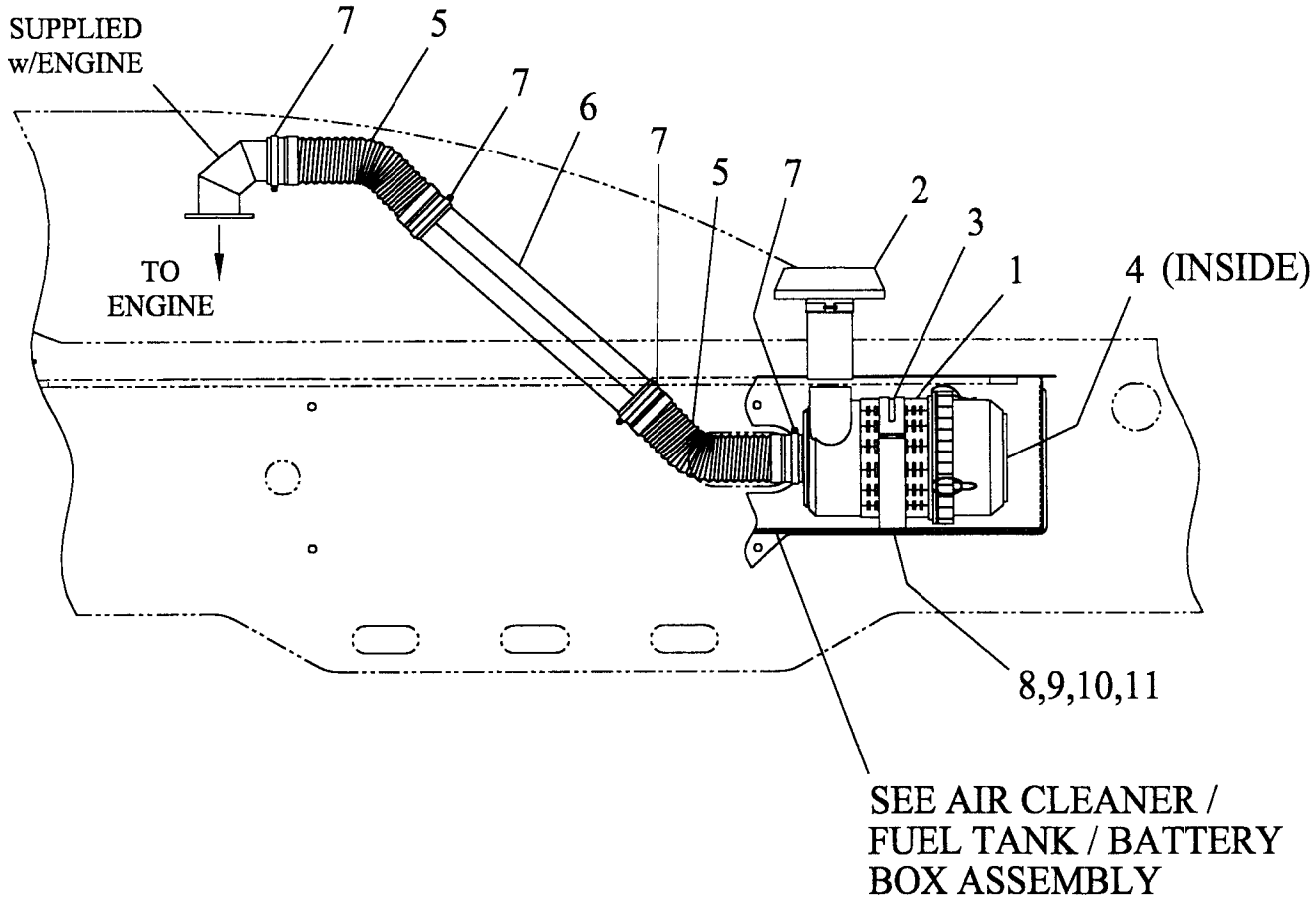


13	PAGE NUMBER	ENGINE ENCLOSURE ASSEMBLY TH528C	DRAWING NUMBER	P1-1363

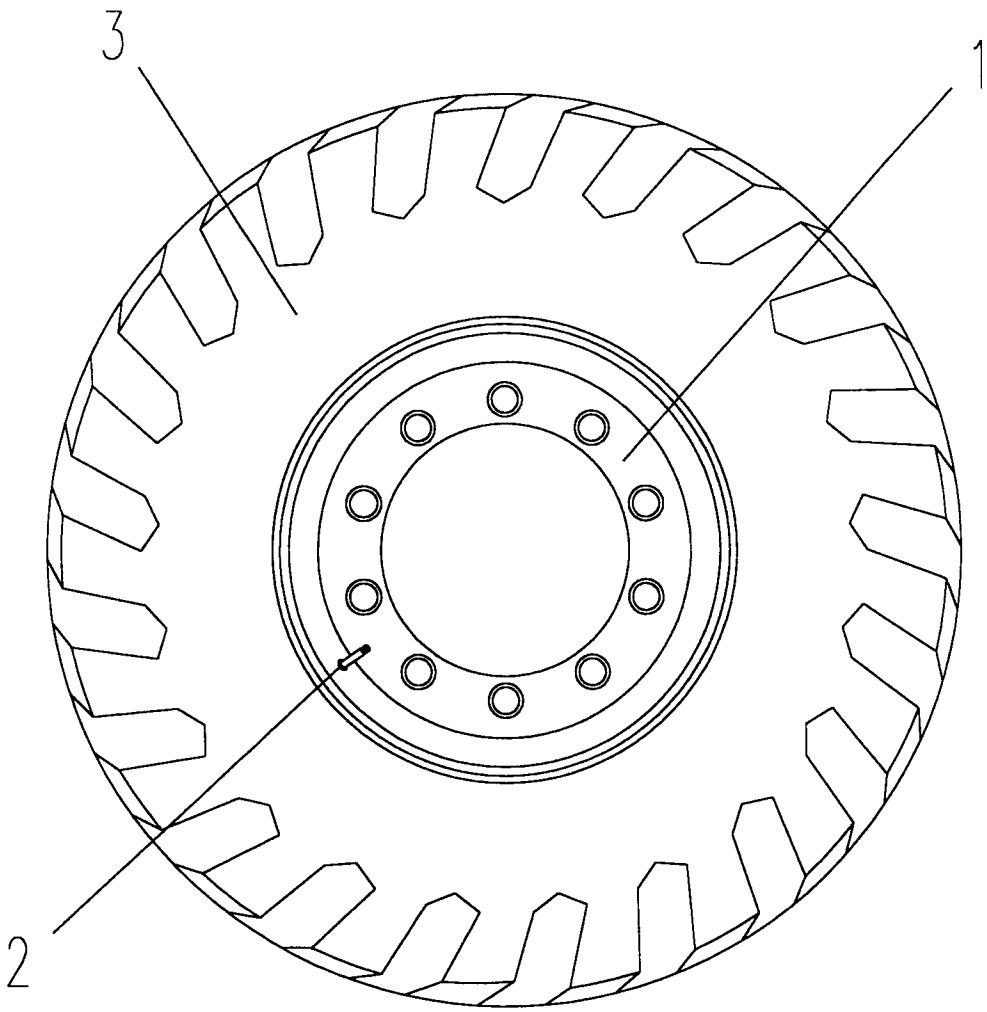
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2194	ENGINE ENCLOSURE / REAR	1
2	4-1827	ENGINE ENCLOSURE / FRONT	1
3	2-1194	SLIDE / REAR HOUSING	2
4	7-194-59	WEAR STRIP	2
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	13
6	6-6201-05	HEX NUT 5/16 NC	10
7	6-6211-05	LOCKWASHER 5/16	13
8	6-6212-05	FLATWASHER 5/16	13
9	7-360-01	PLASTIC 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



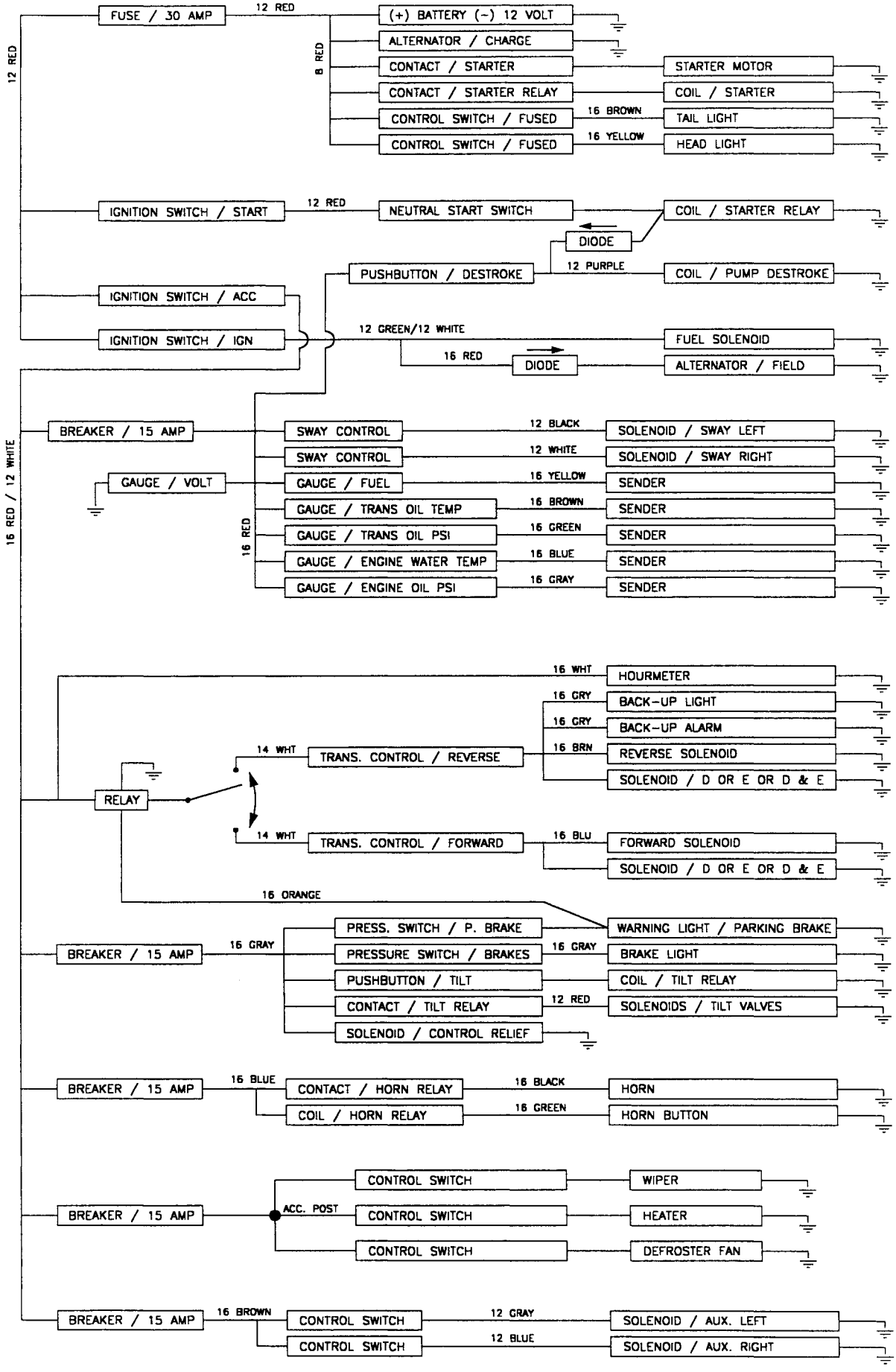
ITEM	NUMBER	DESCRIPTION	REQD
1	7-204-11	MUFFLER	1
2	4-2157	EXHAUST PIPE	1
3	2-1243	TAILPIPE	1
4	3-1447	EXHAUST BRACKET ASSY / 2 3/4 IN.	1
5	3-1432	EXHAUST BRACKET ASSY / 2 1/2 IN.	1
6	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	4
7	6-6212-06	FLATWASHER 3/8	4
8	6-6211-06	LOCKWASHER 3/8	4
9	6-6201-06	HEX NUT 3/8 NC	4
10	6-8510-40	CAPSCREW 10mm x 1.5 x 40mm LG.	4
11	3-1450	EXHAUST SUPPORT	1
12	6-9111-10	LOCKWASHER 10mm	4

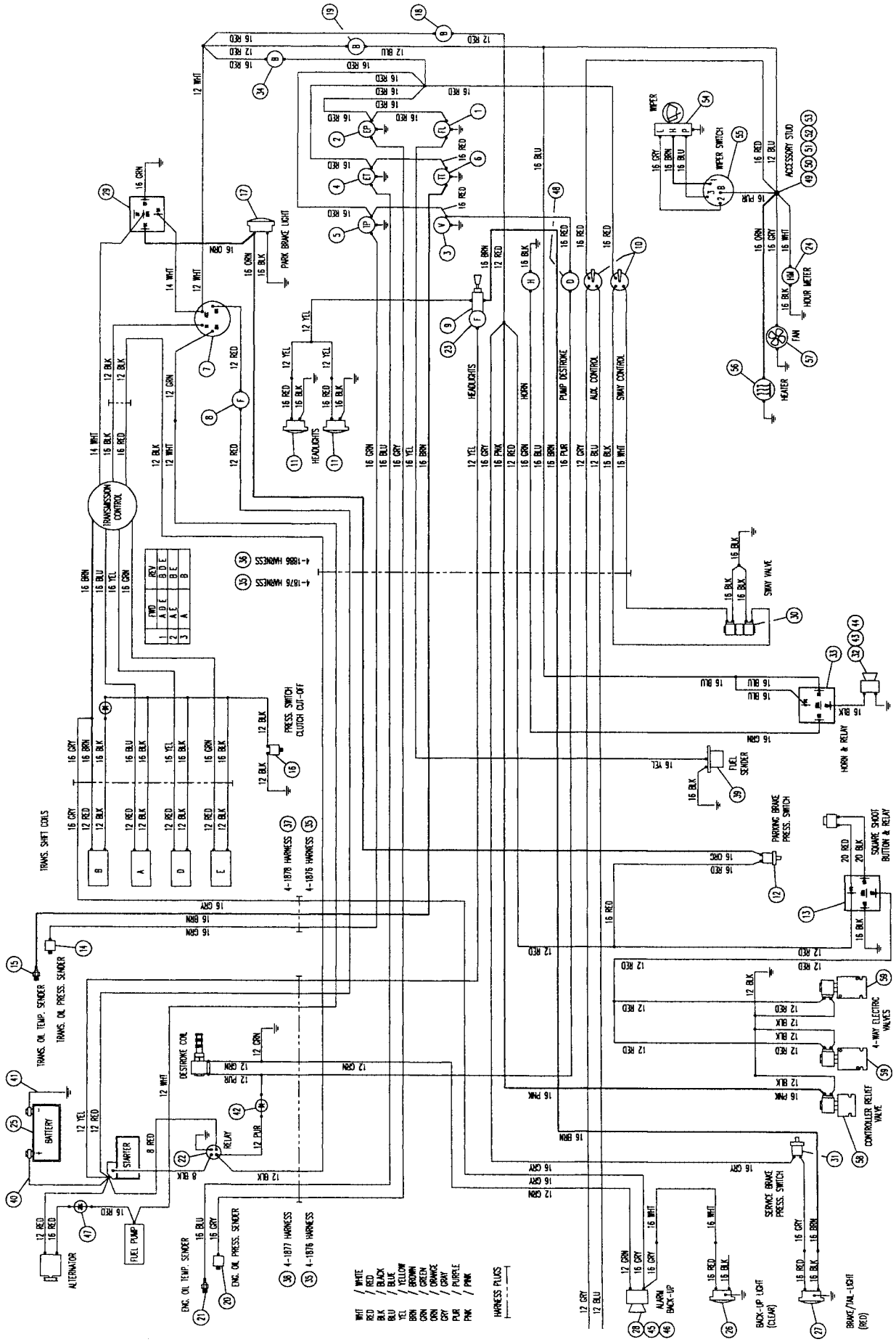


ITEM	NUMBER	DESCRIPTION	REQD
1	7-109-01	AIR CLEANER ASSEMBLY	1
2	7-109-02	HOOD / AIR CLEANER	1
3	7-109-03	MOUNTING BAND / AIR CLEANER	1
4	7-109-04	FILTER / PRIMARY	REF
5	7-109-06	ACCORDION HOSE / SHORT	2
6	2-1244	AIR INLET PIPE	1
7	6-6252-13	CLAMP / WORM	4
8	6-5205-12	CAPSCREW 5/16 NC x 1 1/2 LG.	2
9	6-6212-05	FLATWASHER 5/16	4
10	6-6211-05	LOCKWASHER 5/16	2
11	6-6201-05	HEX NUT 5/16 NC	2



ITEM	NUMBER	DESCRIPTION	REQD
1	7-335-07	WHEEL	1
2	7-286-01	VALVE STEM / AIR-CHLORIDE-FOAM	1
3	7-335-05	TIRE	1
4	7-335-08	TIRE & WHEEL ASSY / RH	REF
5	7-335-09	TIRE & WHEEL ASSY / LH	REF


FUSE / 30 AMP
12 RED
(+) BATTERY (-) 12 VOLT
ALTERNATOR / CHARGE
CONTACT / STARTER
STARTER MOTOR
CONTACT / STARTER RELAY
COIL / STARTER
CONTROL SWITCH / FUSED
16 BROWN
TAIL LIGHT
CONTROL SWITCH / FUSED
16 YELLOW
HEAD LIGHT
8 RED
12 RED
IGNITION SWITCH / START
NEUTRAL START SWITCH
COIL / STARTER RELAY
DIODE
PUSHBUTTON / DESTROKE
12 PURPLE
COIL / PUMP DESTROKE
IGNITION SWITCH / ACC
IGNITION SWITCH / IGN
12 GREEN/12 WHITE
FUEL SOLENOID
16 RED
DIODE
ALTERNATOR / FIELD
BREAKER / 15 AMP
SWAY CONTROL
12 BLACK
SOLENOID / SWAY LEFT
SWAY CONTROL
12 WHITE
SOLENOID / SWAY RIGHT
GAUGE / VOLT
GAUGE / FUEL
16 YELLOW
SENDER
GAUGE / TRANS OIL TEMP
16 BROWN
SENDER
GAUGE / TRANS OIL PSI
16 GREEN
SENDER
GAUGE / ENGINE WATER TEMP
16 BLUE
SENDER
GAUGE / ENGINE OIL PSI
16 GRAY
SENDER
16 RED
16 RED / 12 WHITE
16 WHT
HOURMETER
16 GRY
BACK-UP LIGHT
16 GRY
BACK-UP ALARM
14 WHT
TRANS. CONTROL / REVERSE
16 BRN
REVERSE SOLENOID
SOLENOID / D OR E OR D & E
RELAY
14 WHT
TRANS. CONTROL / FORWARD
16 BLU
FORWARD SOLENOID
SOLENOID / D OR E OR D & E
16 ORANGE
PRESS. SWITCH / P. BRAKE
WARNING LIGHT / PARKING BRAKE
BREAKER / 15 AMP
16 GRAY
PRESSURE SWITCH / BRAKES
16 GRAY
BRAKE LIGHT
PUSHBUTTON / TILT
COIL / TILT RELAY
CONTACT / TILT RELAY
12 RED
SOLENOIDS / TILT VALVES
SOLENOID / CONTROL RELIEF
BREAKER / 15 AMP
16 BLUE
CONTACT / HORN RELAY
16 BLACK
HORN
COIL / HORN RELAY
16 GREEN
HORN BUTTON
CONTROL SWITCH
WIPER
BREAKER / 15 AMP
ACC. POST
CONTROL SWITCH
HEATER
CONTROL SWITCH
DEFROSTER FAN
BREAKER / 15 AMP
16 BROWN
CONTROL SWITCH
12 GRAY
SOLENOID / AUX. LEFT
CONTROL SWITCH
12 BLUE
SOLENOID / AUX. RIGHT

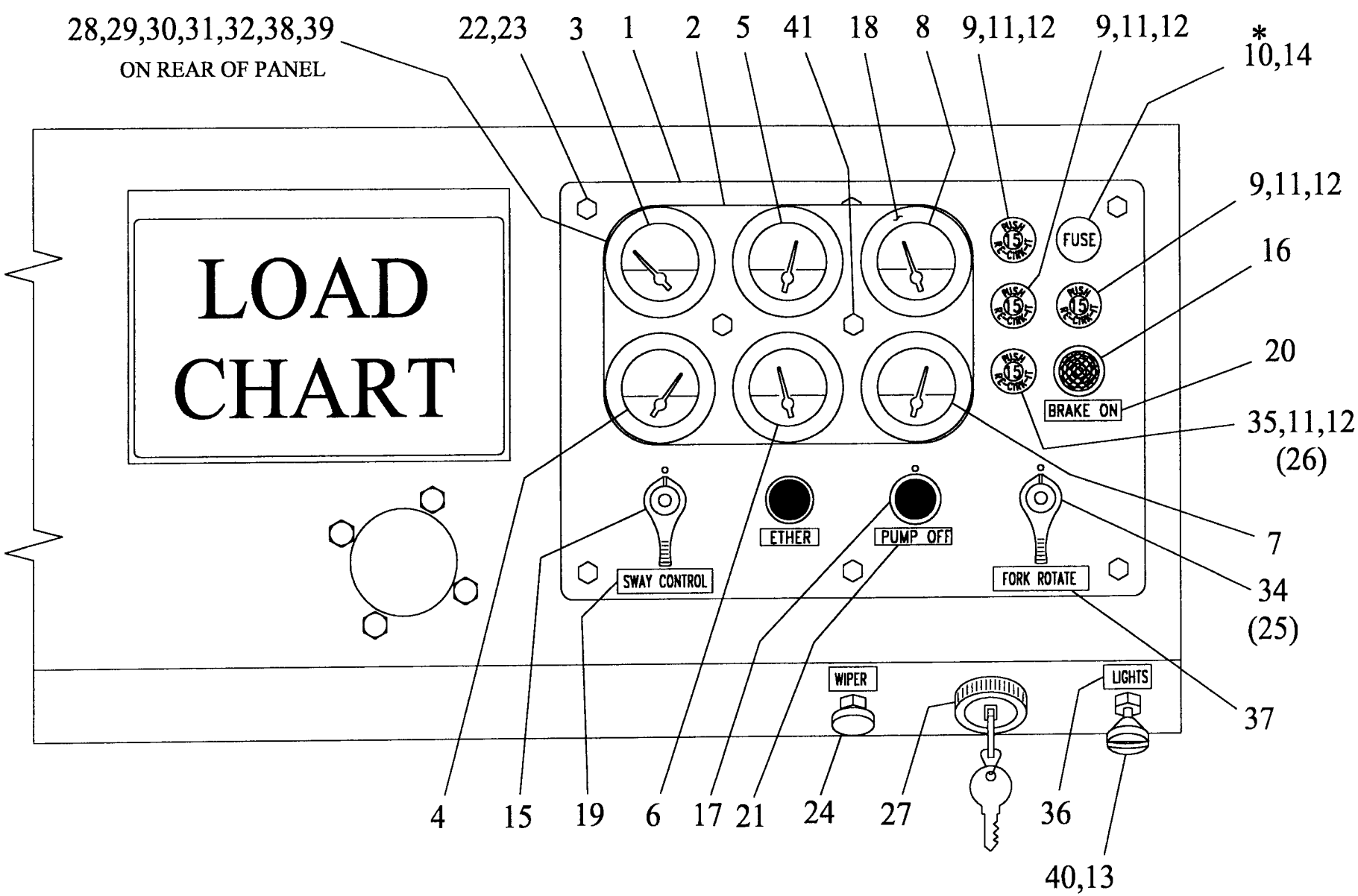


18 PAGE NUMBER	WIRING DIAGRAM TH528C	DRAWING NUMBER P1-1348

ITEM	NUMBER	DESCRIPTION	REQD
1	7-172-02	GAGE / FUEL	REF
2	7-172-04	GAGE / ENGINE OIL PRESSURE	REF
3	7-172-10	GAGE / VOLTMETER	REF
4	7-172-08	GAGE / ENGINE WATER TEMP.	REF
5	7-172-11	GAGE / TRANSMISSION OIL PRESSURE	REF
6	7-172-06	GAGE / TRANSMISSION OIL TEMP.	REF
7	7-127-10	SWITCH / IGNITION / KEY	REF
8	7-268-01	FUSE HOLDER / MAIN / IGNITION	REF
9	7-319-02	SWITCH / HEADLIGHTS	REF
10	7-127-04	SWITCH / SWAY-ROTATE	REF
11	7-338-01	HEADLIGHT	REF
12	7-303-02	PRESSURE SWITCH / PARKING BRAKE	REF
13	7-338-02	RELAY / SQUARE SHOOT	1
14	7-172-16	SENDER / TRANS. OIL PRESSURE	REF
15	7-172-17	SENDER / TRANS. OIL TEMP.	REF
16	7-303-03	PRESSURE SWITCH / CLUTCH CUT-OFF	REF
17	7-127-05	LIGHT / WARNING	REF
18	7-101-01	CIRCUIT BREAKER / 15 AMP.	REF
19	7-101-01	CIRCUIT BREAKER / 15 AMP.	REF
20	7-172-05	SENDER / ENGINE OIL PRESSURE	REF
21	7-172-09	SENDER / ENGINE WATER TEMP.	REF
22	7-183-18	RELAY / STARTER	REF
23	7-117-03	FUSE / 20 AMP	REF
24	7-350-01	HOURMETER	1
25	7-355-01	BATTERY / 12 VOLT	REF
26	7-136-02	LIGHT / BACK-UP	REF
27	7-136-03	LIGHT / TAIL-BRAKE	REF
28	7-375-01	BACK-UP ALARM	1
29	7-338-02	RELAY / PARKING BRAKE	1
30	7-244-31	VALVE / ELECTRIC 4-WAY / SWAY	REF
31	7-206-03	PRESSURE SWITCH / BRAKE LIGHT	REF
32	7-369-01	HORN	1
33	7-338-02	RELAY / HORN	1
34	7-101-01	CIRCUIT BREAKER / 15 AMP.	REF
35	4-1876	HARNESS / MAIN POWER / VALVE	1
36	4-1886	HARNESS / INSTRUMENT PANEL	1
37	4-1878	HARNESS / TRANSMISSION	1
38	4-1877	HARNESS / ENGINE	1
39	7-172-03	SENDER / FUEL	REF
40	6-7801-180B	BATTERY CABLE / RED / POSITIVE	REF
41	6-7802-88B	BATTERY CABLE / BLACK / NEGATIVE	REF
42	7-281-01	DIODE / PUMP DESTROKE	REF
43	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	1
44	6-6211-04	LOCKWASHER 1/4	1
45	6-5205-04	CAPSCREW 5/16 NC x 1/2 LG.	2
46	6-6211-05	LOCKWASHER 5/16	2
47	7-281-01	DIODE / ALTERNATOR	REF
48	7-319-03	PUSHBUTTON / PUMP DESTROKE	REF
49	6-6286-07	LOCKWASHER #10	2
50	7-269-107	JUNCTION STUD	1

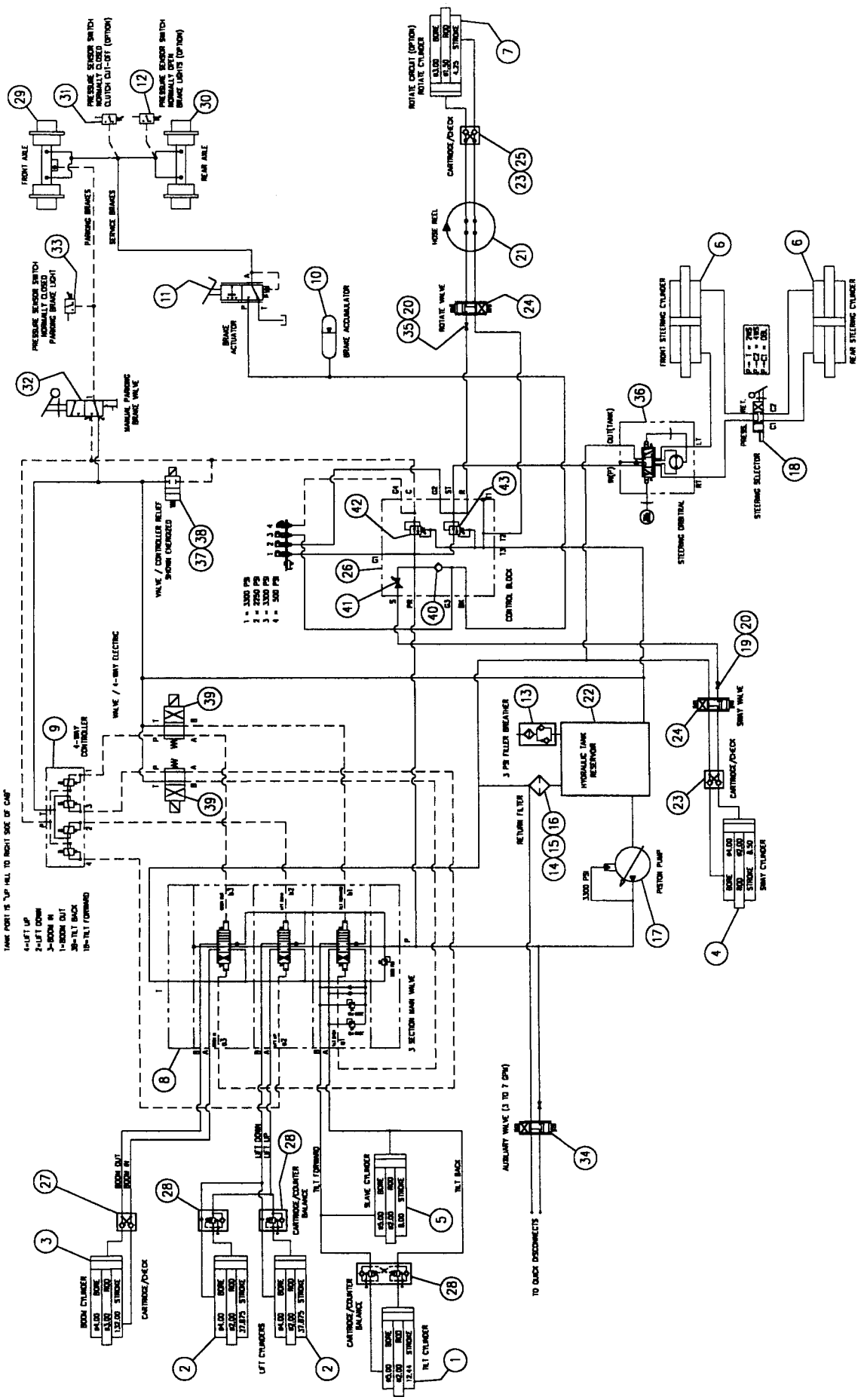
ITEM	NUMBER	DESCRIPTION	REQD
51	6-6284-07	MACHINE SCREW #10-32 x 1/2 LG.	2
52	6-6286-06	HEX NUT #10-32	2
53	6-6201-06	HEX NUT 3/8 NC	1
54	7-293-23	WIPER MOTOR	REF
55	7-293-01	WIPER SWITCH	REF
56	7-347-01	HEATER ASSEMBLY w/ SWITCH	REF
57	7-347-02	DEFROSTER FAN ASSEMBLY w/ SWITCH	REF
58	7-367-01	VALVE / CONTROLLER RELIEF	REF
59	7-367-09	VALVE / ELECTRIC 4-WAY / TILT	REF

NOTES



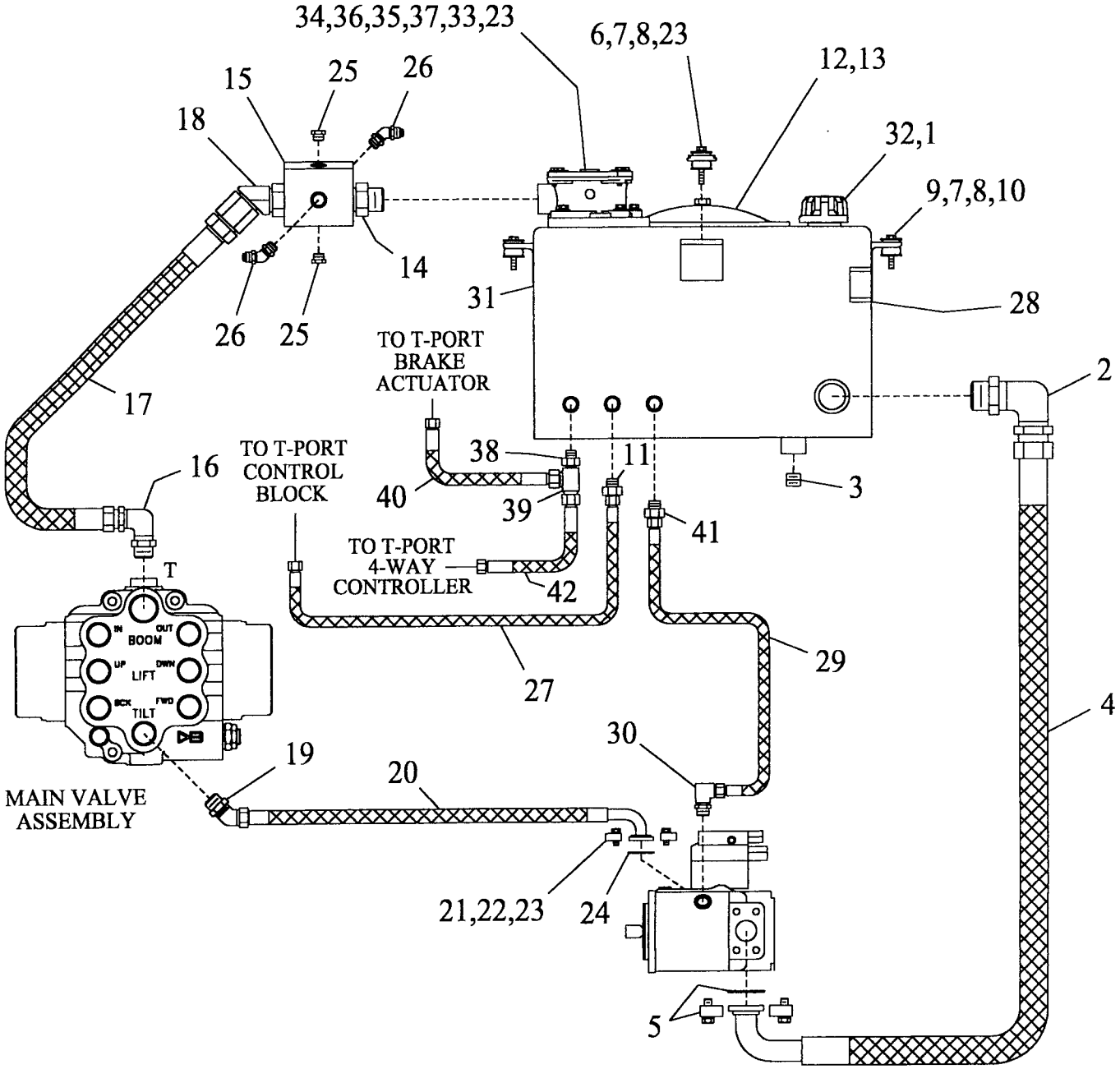
"( )" DENOTES A STANDARD ITEM
" * " CONSISTS OF ONE ITEM #33 - FUSE HOLDER w/PLUG

ITEM	NUMBER	DESCRIPTION	REQD
1	3-1226	INSTRUMENT PANEL	1
2	2-1062	GAGE COVER	1
3	7-172-02	GAGE / FUEL	1
4	7-172-04	GAGE / ENGINE OIL PRESSURE	1
5	7-172-06	GAGE / TRANS. OIL TEMP.	1
6	7-172-08	GAGE / ENGINE WATER TEMP.	1
7	7-172-10	GAGE / VOLTMETER	1
8	7-172-11	GAGE / TRANS. OIL PRESSURE	1
9	7-101-01	CIRCUIT BREAKER / 15 AMP	3
10	7-268-01	HOLDER / MAIN POWER / IGNITION	1
11	7-101-02	CLIP / CIRCUIT BREAKER	3
12	7-101-03	RUBBER BOOT / CIRCUIT BREAKER	3
13	7-117-01	FUSE / 15 AMP.	REF
14	7-117-02	FUSE / 30 AMP.	1
15	7-127-04	SWITCH / SWAY CONTROL	1
16	7-127-05	LIGHT / WARNING	1
17	7-319-03	SWITCH / PUSHBUTTON	1
18	1-2006	SEAL RING / GAGE	6
19	3-1228-1	DECAL / SWAY CONTROL	1
20	3-1228-2	DECAL / BRAKE-ON	1
21	3-1228-3	DECAL / PUMP-OFF	1
22	6-6211-04	LOCKWASHER 1/4	6
23	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	5
24	7-293-01	SWITCH / WINDSHIELD WIPER	REF
25	7-194-13	PLUG BUTTON 3/8	1
26	7-194-29	PLUG BUTTON 5/8	1
27	7-127-10	SWITCH / IGNITION KEY	1
28	1-1088	MOUNT	1
29	7-269-60	PLASTIC CLAMP	1
30	6-6284-07	MACHINE SCREW #10-32 x 1/2 LG.	2
31	6-6286-06	HEX NUT #10-32	2
32	6-6286-02	HEX NUT #8-32 SS	2
33	1-2031	FUSE HOLDER w/PLUG (UNIVERSAL)	REF
34	7-127-04	SWITCH / FORK ROTATE	REF
35	7-101-01	CIRCUIT BREAKER / 15 AMP / OPTION	REF
36	1-1149	DECAL / LIGHTS	REF
37	3-1228-4	DECAL / FORK ROTATE	REF
38	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	1
39	6-6201-04	HEX NUT 1/4 NC	1
40	7-127-12	SWITCH / HEADLIGHT	REF
41	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	2

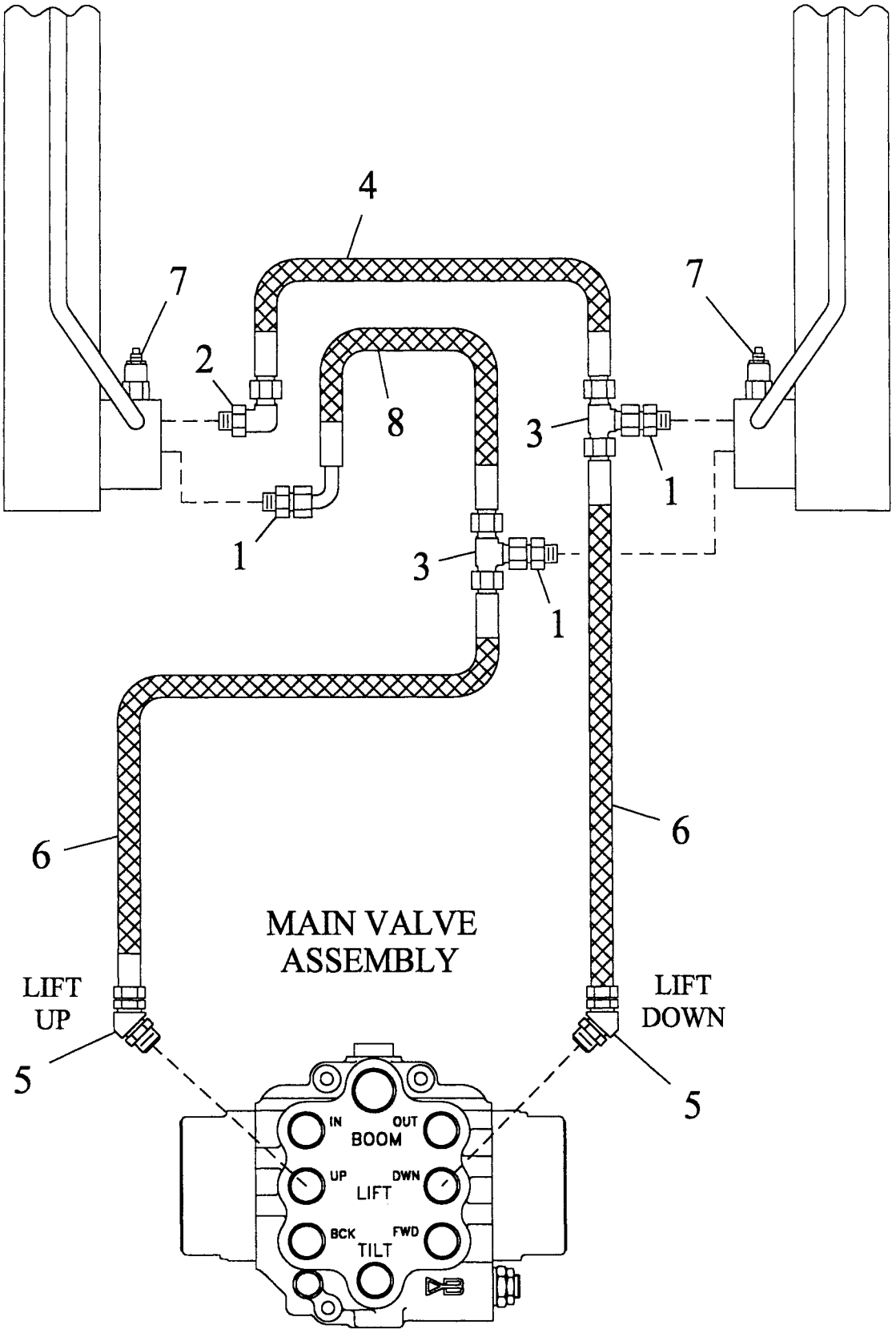


20	PAGE NUMBER	HYDRAULIC SCHEMATIC TH528C	DRAWING NUMBER	P1-1347

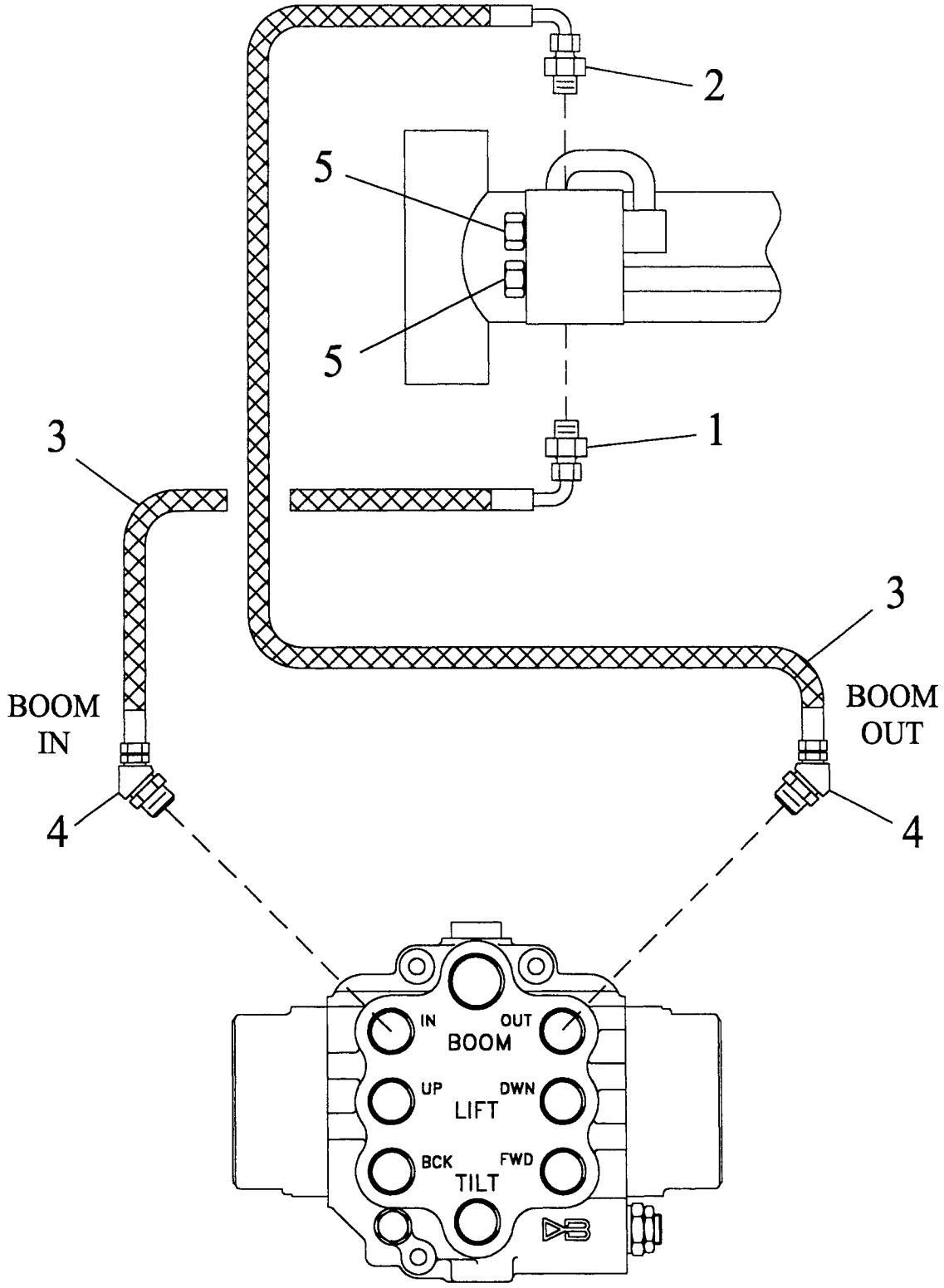
ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-329	CYLINDER / TILT	REF
2	7-316-332	CYLINDER / LIFT (2)	REF
3	7-316-328	CYLINDER / BOOM	REF
4	7-316-331	CYLINDER / SWAY	REF
5	7-316-330	CYLINDER / SLAVE	REF
6	7-229-696	CYLINDER / STEERING (2)	REF
7	7-379-01	CYLINDER / ROTATE	REF
8	7-358-15	VALVE ASSEMBLY / 3 SECTION	REF
9	7-358-03	CONTROLLER / 4-WAY	REF
10	7-256-25	ACCUMULATOR / BRAKE	REF
11	7-198-43	ACTUATOR / BRAKE	REF
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	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	7-234-90	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	7-303-02	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	7-256-71	ORBITRAL / STEERING	REF
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


34,36,35,37,33,23
6,7,8,23
12,13
32,1
9,7,8,10
15
25
26
18
14
26
25
31
28
TO T-PORT BRAKE ACTUATOR
2
17
TO T-PORT CONTROL BLOCK
38
11
16
40
39
3
41
TO T-PORT 4-WAY CONTROLLER
42
T
IN
BOOM
OUT
UP
LIFT
DWN
BCK
TILT
FWD
29
27
4
30
19
20
MAIN VALVE ASSEMBLY
21,22,23
24
5

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	6-6408-07	FITTING / 16 NPT HOLLOW HEX 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	6-6425-11	FITTING / 08 NPT x 06 JIC STR.	1
12	7-374-01	ACCESS COVER / OIL RESERVOIR	REF
13	7-374-02	GASKET / ACCESS COVER	REF
14	6-6436-01	FITTING / 20 OR x 20 NPT STR.	1
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	6-7003-172	HOSE / 06 x 06 x 86 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	6-6406-04	FITTING / 08 NPT x 06 NPT REDUCER	1
39	6-6432-14	FITTING / 06 NPT x 06 JIC M. RN-TEE	1
40	6-7003-80	HOSE / 06 x 06 x 40 LG.	1
41	6-6425-14	FITTING / 08 NPT x 08 JIC STR.	1
42	6-7003-100	HOSE / 06 x 06 x 50 LG.	REF


4
7
7
2
8
3
1
1
3
1
6
6
MAIN VALVE
ASSEMBLY
LIFT
UP
LIFT
DOWN
5
5
IN
OUT
BOOM
UP
DWN
LIFT
BCK
FWD
TILT

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



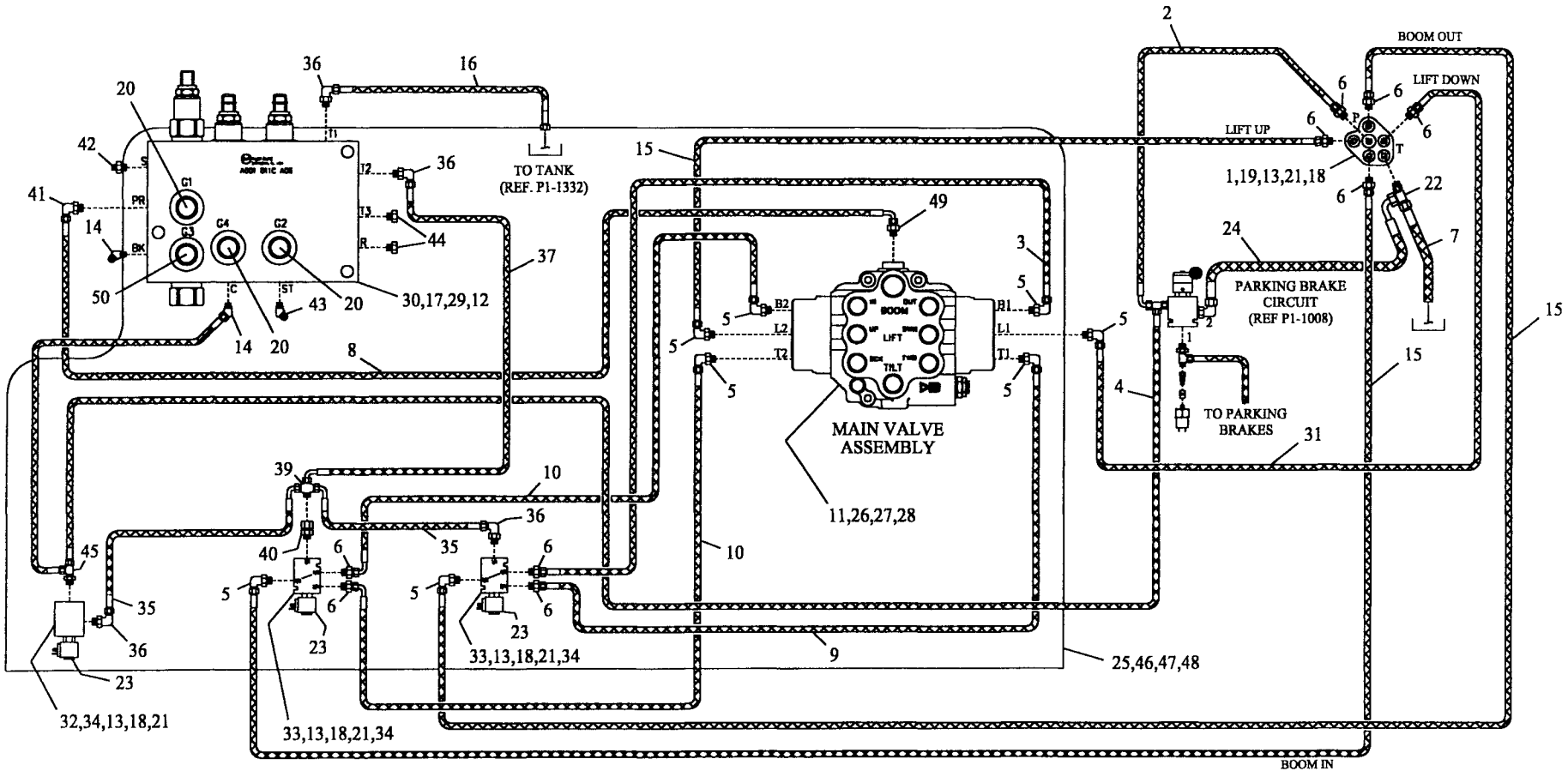
MAIN VALVE ASSEMBLY

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

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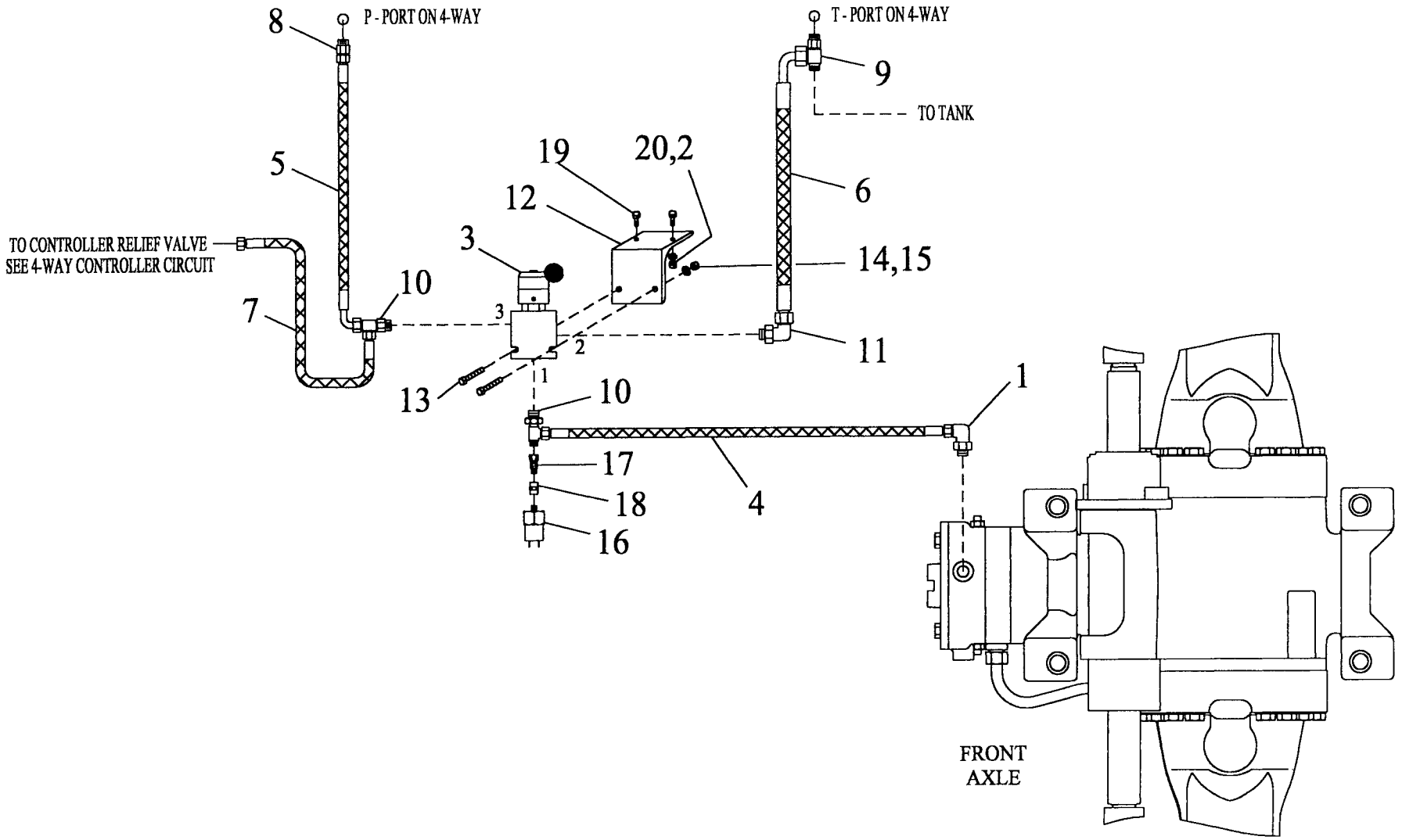
CIRCUIT / 4-WAY CONTROLLER TH528C

DRAWING NUMBER P1-1335

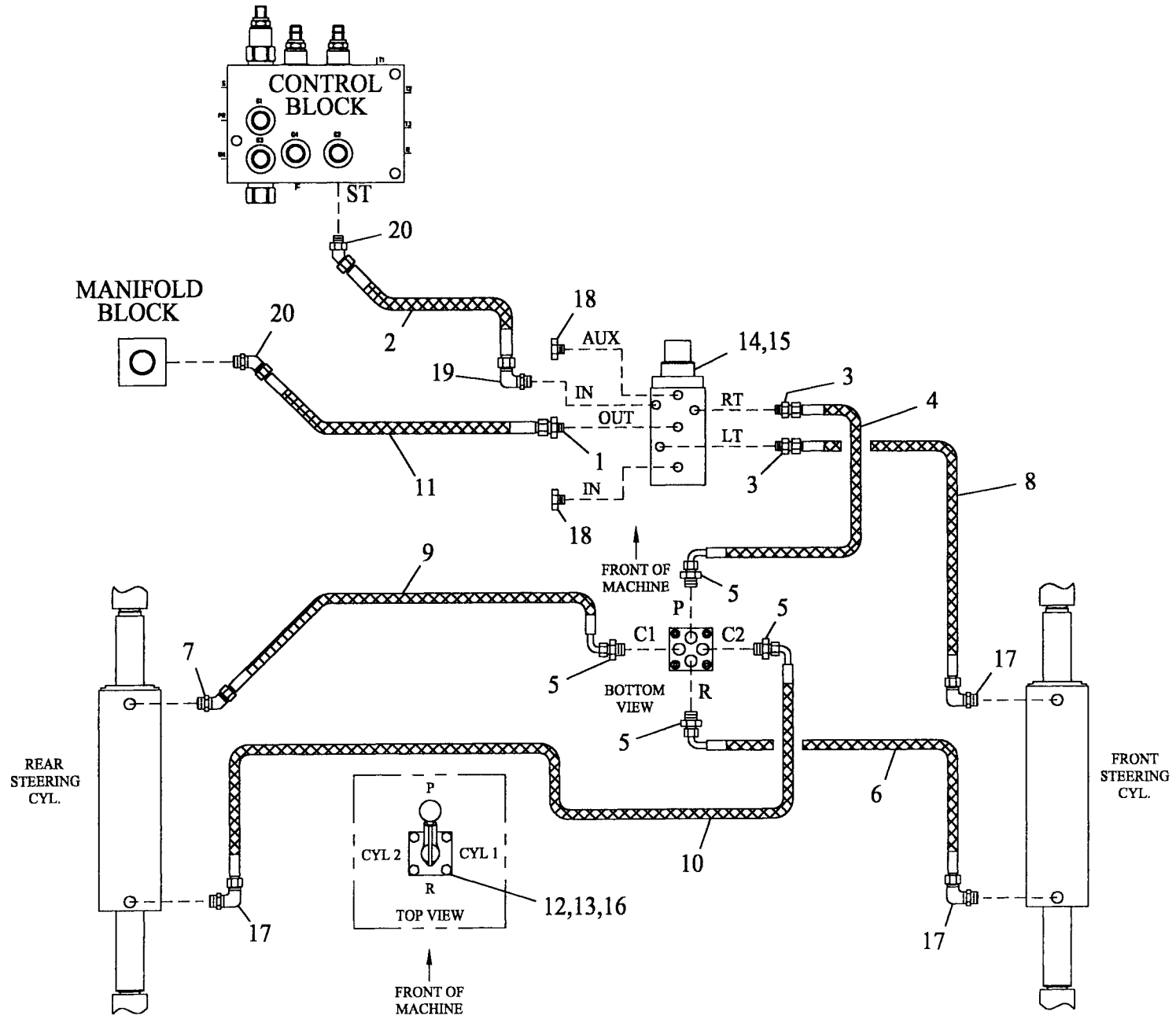


ITEM	NUMBER	DESCRIPTION	REQD
1	7-358-03	4-WAY CONTROLLER	1
2	6-7022-100	HOSE / 04 x 04-90 x 50 LG.	REF
3	6-7002-34	HOSE / 04 x 04 x 17 LG.	1
4	6-7202-182	HOSE / 04 x 04 x 91 LG.	REF
5	6-6453-04	FITTING / 06 OR x 04 JIC 90	8
6	6-6450-05	FITTING / 06 OR x 04 JIC STR.	9
7	6-7003-100	HOSE / 06 x 06 x 50 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	6-7003-172	HOSE / 06 x 06 x 86 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

CIRCUIT / PARKING BRAKE
TH528C



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	6-7202-182	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

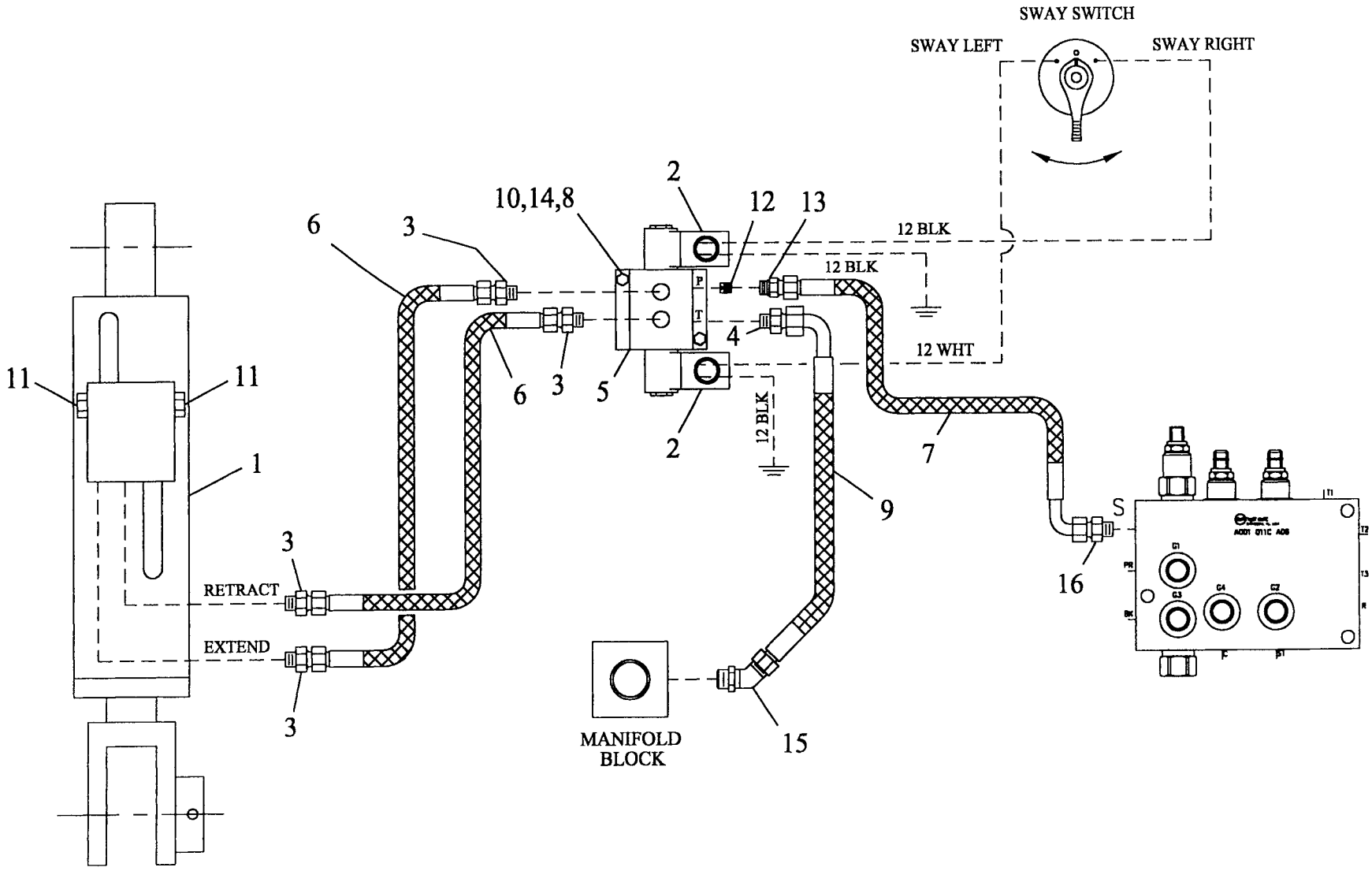

CONTROL BLOCK
ST
20
MANIFOLD BLOCK
20
2
18
AUX
19
IN
14,15
3
RT
4
OUT
LT
1
3
11
IN
18
8
FRONT OF MACHINE
9
5
P
5
C1
C2
7
5
BOTTOM VIEW
R
17
5
REAR STEERING CYL.
6
FRONT STEERING CYL.
P
CYL 2
CYL 1
R
TOP VIEW
12,13,16
10
17
17
FRONT OF MACHINE

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-11	FITTING / 06 OR x 08 JIC STR.	1
2	6-7004-256	HOSE / 08 x 08 x 128 LG.	1
3	6-6450-08	FITTING / 06 OR x 06 JIC STR.	2
4	6-7023-40	HOSE / 06 x 06-90 x 20 LG.	1
5	6-6450-09	FITTING / 08 OR x 06 JIC STR.	4
6	6-7023-244	HOSE / 06 x 06-90 x 122 LG.	1
7	6-6452-03	FITTING / 06 OR x 06 JIC 45	1
8	6-7003-194	HOSE / 06 x 06 x 97 LG.	1
9	6-7023-244	HOSE / 06 x 06-90 x 122 LG.	1
10	6-7023-252	HOSE / 06 x 06-90 x 126 LG.	1
11	6-7004-124	HOSE / 08 x 08 x 62 LG.	1
12	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
13	6-6211-05	LOCKWASHER 5/16	4
14	6-5205-05	CAPSCREW 5/16 NC x 5/8 LG.	4
15	6-6211-05	LOCKWASHER 5/16	4
16	7-359-02	VALVE / STEERING SELECTOR	1
17	6-6453-07	FITTING / 08 OR x 06 JIC 90	3
18	6-6457-05	FITTING / 06 OR HEX HEAD PLUG	1
19	6-6453-08	FITTING / 06 OR x 08 JIC 90	1
20	6-6452-04	FITTING / 08 OR x 08 JIC 45	REF

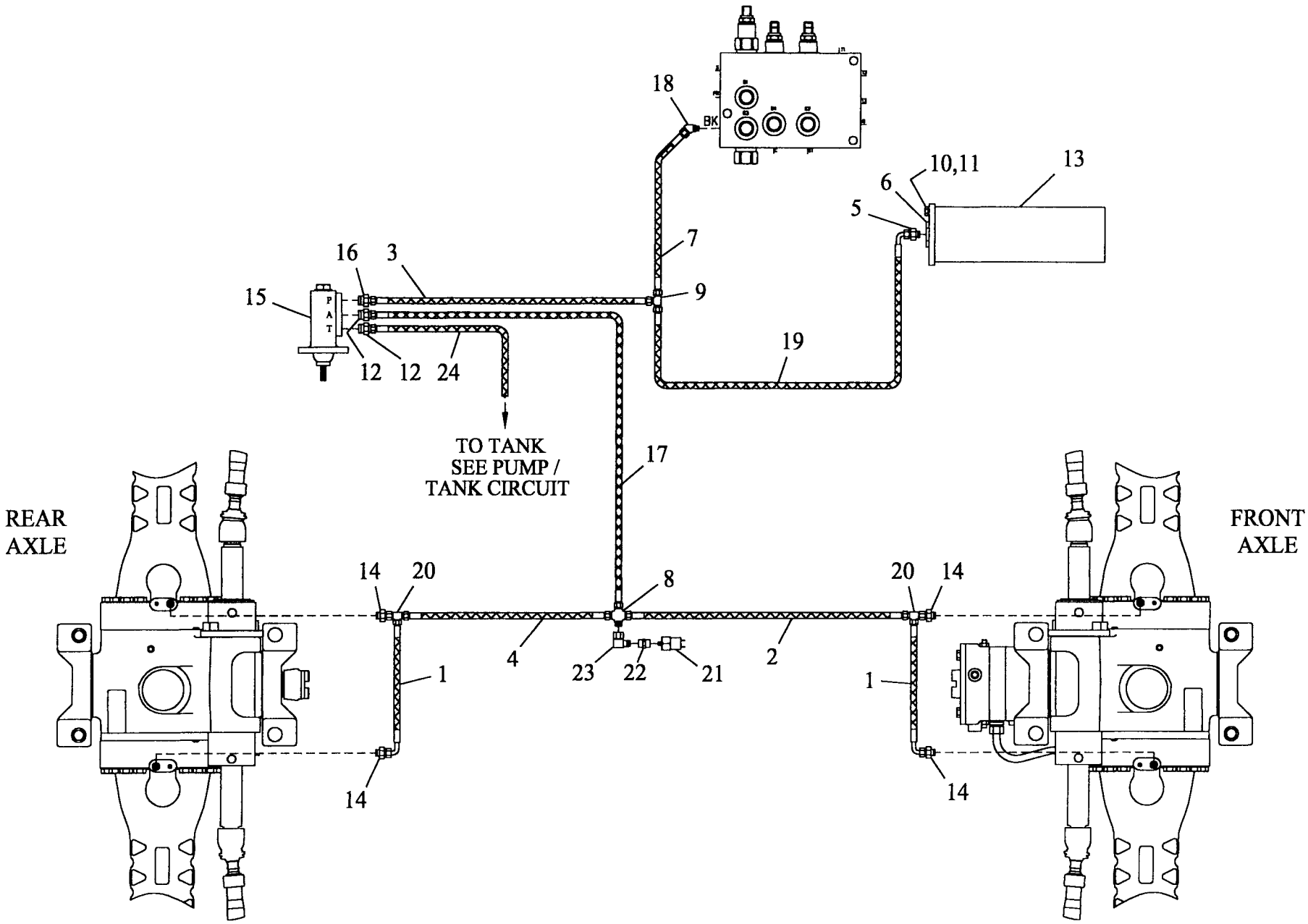
PAGE NUMBER 27

CIRCUIT / SWAY
TH528C

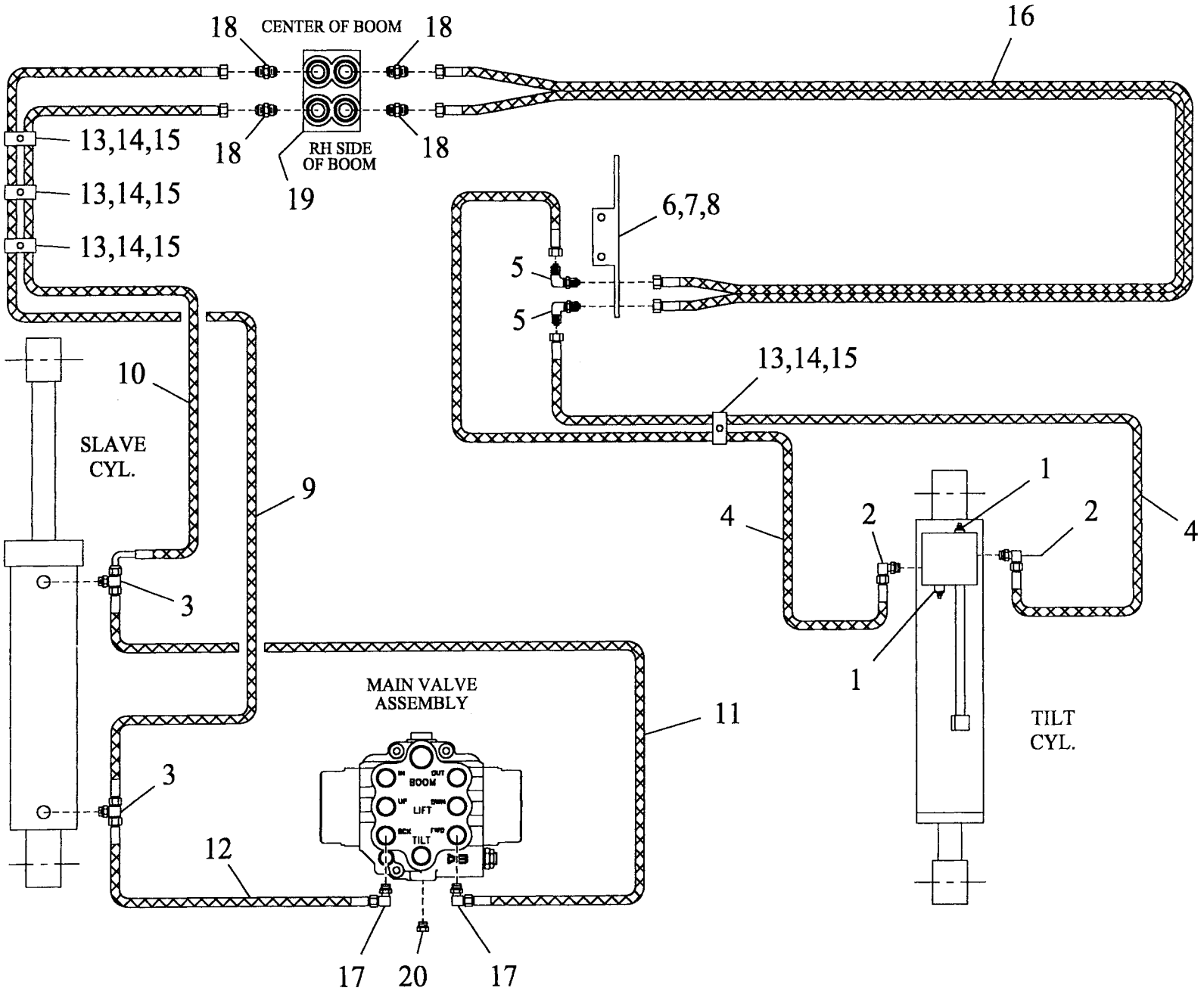
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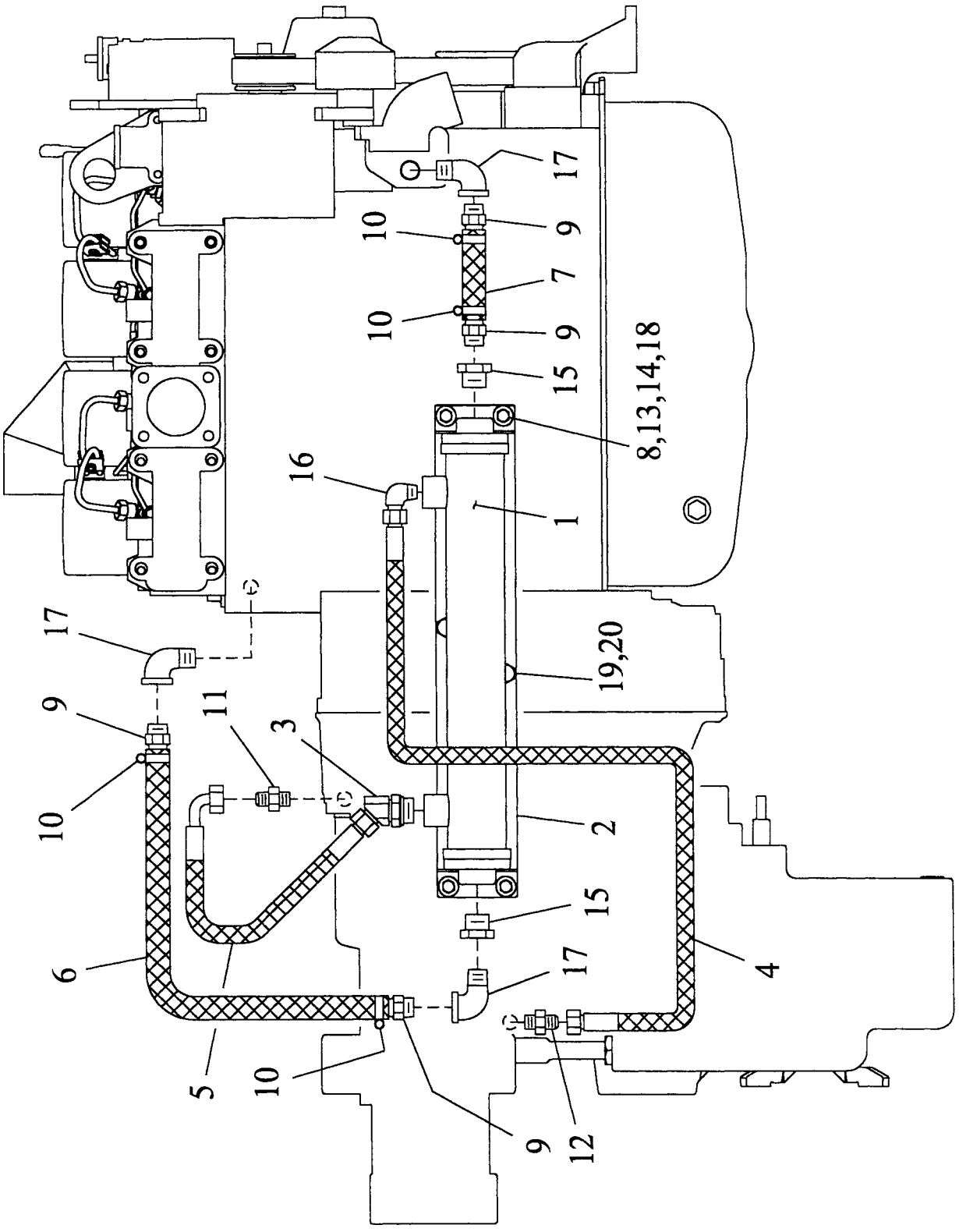
ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-331	CYLINDER / SWAY	REF
2	7-244-27	DIN CONNECTOR	REF
3	6-6450-08	FITTING / 06 OR x 06 JIC STR.	4
4	6-6450-11	FITTING / 06 OR x 08 JIC STR.	1
5	7-244-31	ELECTRIC VALVE / SWAY	1
6	6-7003-56	HOSE / 06 x 06 x 28 LG.	2
7	6-7023-290	HOSE / 06 x 06-90 x 145 LG.	1
8	6-6212-04	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


18
BK
10,11
13
6
5
7
16
3
15
9
19
12
12
24
TO TANK
SEE PUMP /
TANK CIRCUIT
17
REAR
AXLE
FRONT
AXLE
14
20
8
20
14
4
2
1
23
22
21
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	6-6450-09	FITTING / 08 OR x 06 JIC STR.	2
13	7-256-25	ACCUMULATOR / BRAKE	1
14	7-371-04	FITTING / 14mm OR x 06 JIC STR.	4
15	7-198-43	BRAKE ACTUATOR	REF
16	6-6450-06	FITTING / 08 OR x 04 JIC STR.	1
17	6-7003-80	HOSE / 06 x 06 x 40 LG.	1
18	6-6452-19	FITTING / 06 OR x 04 JIC 45	REF
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
24	6-7003-80	HOSE / 06 x 06 x 40 LG.	REF

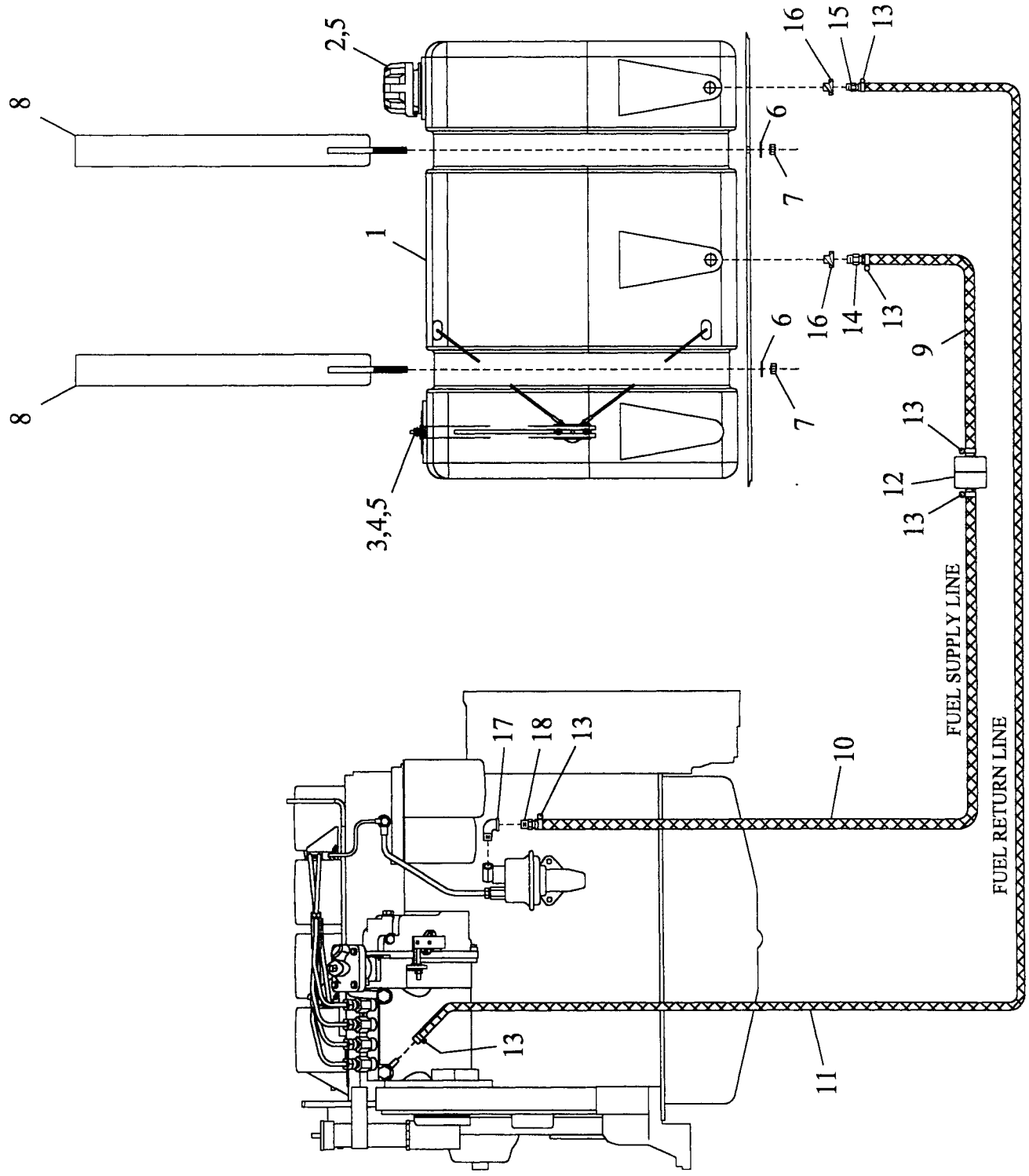

18
CENTER OF BOOM
18
16
18
RH SIDE OF BOOM
18
19
13,14,15
13,14,15
13,14,15
6,7,8
5
5
13,14,15
10
SLAVE CYL.
9
1
4
2
2
4
3
1
MAIN VALVE ASSEMBLY
11
TILT CYL.
3
12
17
20
17

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



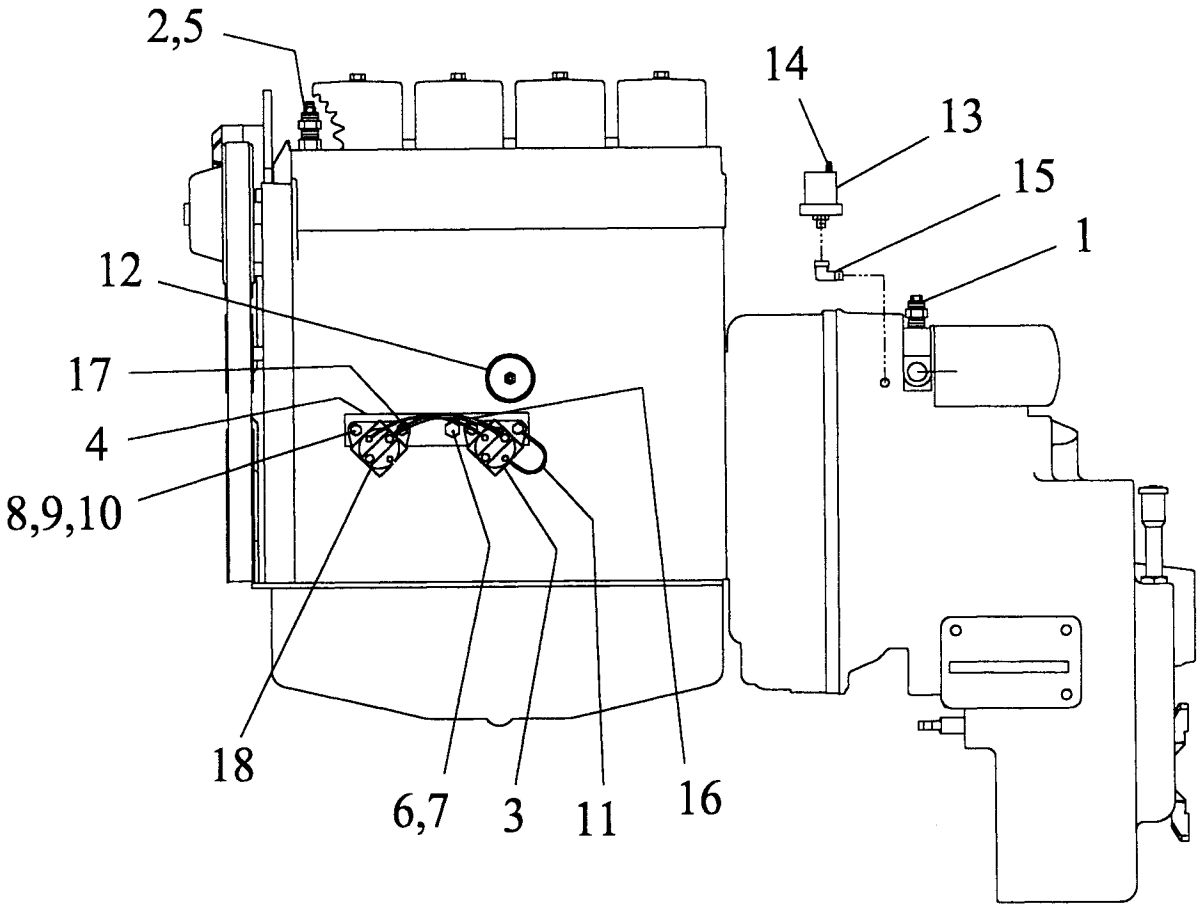
30	PAGE NUMBER	CIRCUIT / OIL COOLER TH528C	DRAWING NUMBER	P4-1857

ITEM	NUMBER	DESCRIPTION	REQD
1	7-103-01	OIL COOLER	1
2	3-1365	MOUNT / OIL COOLER	1
3	6-6426-25	FITTING / 12 NPT x 10 JIC 45	1
4	6-7006-64	HOSE / 12 x 12 x 32 LG.	1
5	6-7025-82	HOSE / 10 x 10-90 x 41 LG.	1
6	6-9611-400	HOSE-HEATER 3/4 x 50 LG.	1
7	6-9611-72	HOSE-HEATER 3/4 x 9 LG.	1
8	6-6211-05	LOCKWASHER 5/16	4
9	6-6423-18	HOSE END / 12-08 MALE PIPE	4
10	6-6252-04	HOSE CLAMP / NO. 12	4
11	6-6450-16	FITTING / 10 OR x 10 JIC STR	1
12	6-6450-20	FITTING / 12 OR x 12 JIC STR.	1
13	6-6201-05	HEX NUT 5/16 NC	4
14	6-6212-05	FLATWASHER 5/16	4
15	6-6406-07	FITTING / NPT REDUCER 3/4 x 1/2	2
16	6-6427-18	FITTING / 12 NPT x 12 JIC 90	1
17	6-6437-04	FITTING / 08 NPT ST. ELB BLK-P	3
18	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	4
19	6-8512-25	CAPSCREW 12mm x 1.75 x 25mm LG.	2
20	6-9111-12	LOCKWASHER 12mm	2



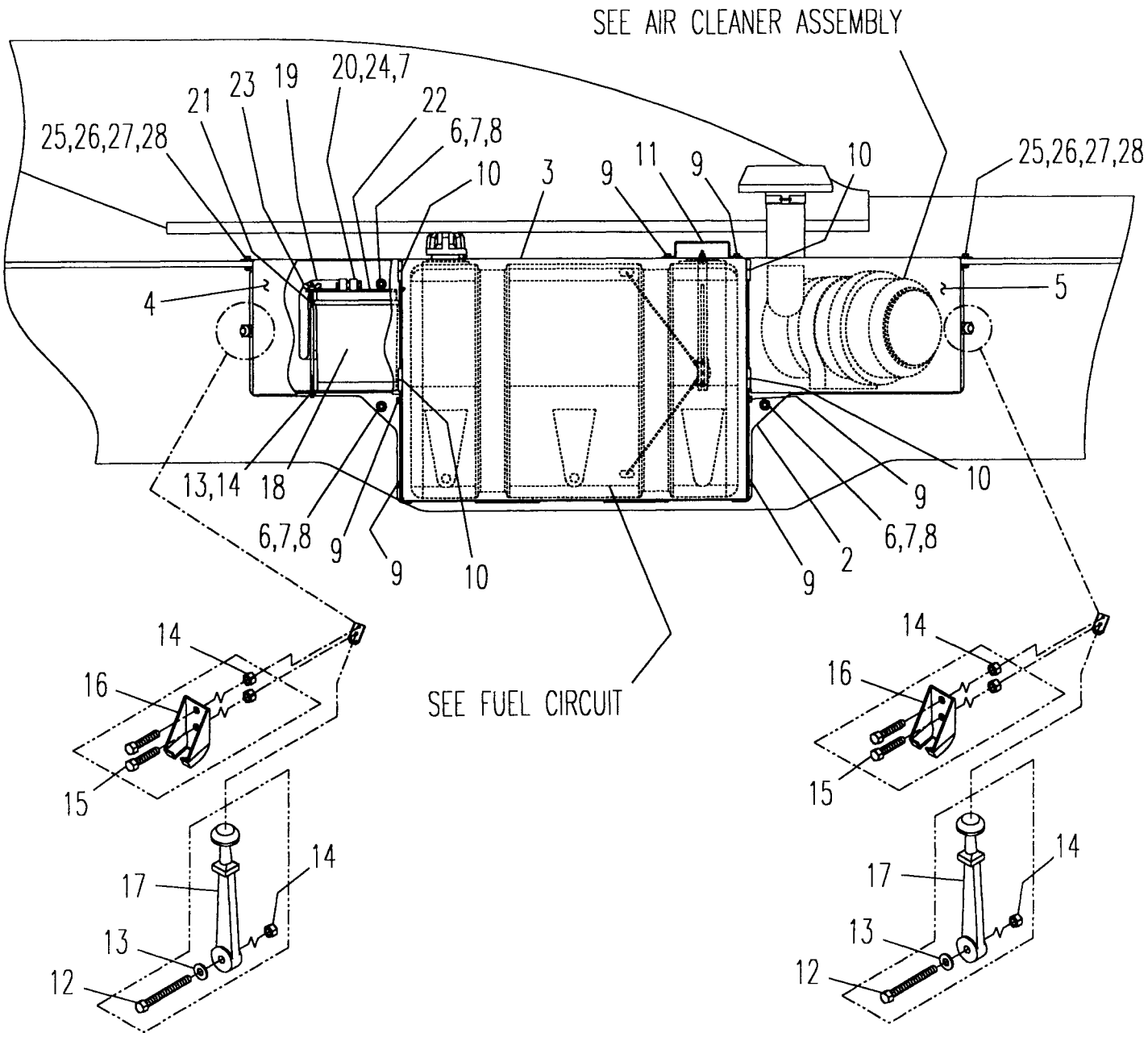
31	PAGE NUMBER	CIRCUIT / FUEL TH528C		DRAWING NUMBER	P1-1340

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	6-9605-208	HOSE / FUEL 3/8 x 26 LG.	1
10	6-9605-112	HOSE / FUEL 3/8 x 14 LG.	1
11	6-9620-288	HOSE / FUEL 3/16 x 36 LG.	1
12	7-343-80	FUEL STRAINER	1
13	6-6252-20	HOSE CLAMP / NO. 4	6
14	7-121-04	FITTING / STR. / 3/8 HOSE	1
15	7-121-06	FITTING / STR. / 3/16 HOSE	1
16	7-121-01	RUBBER BUSHING	2
17	6-6423-08	FITTING / 04 x 06 BRASS HOSE END	1
18	6-6422-03	FITTING / 04 NPT 90 ST. ELB. BRASS	1

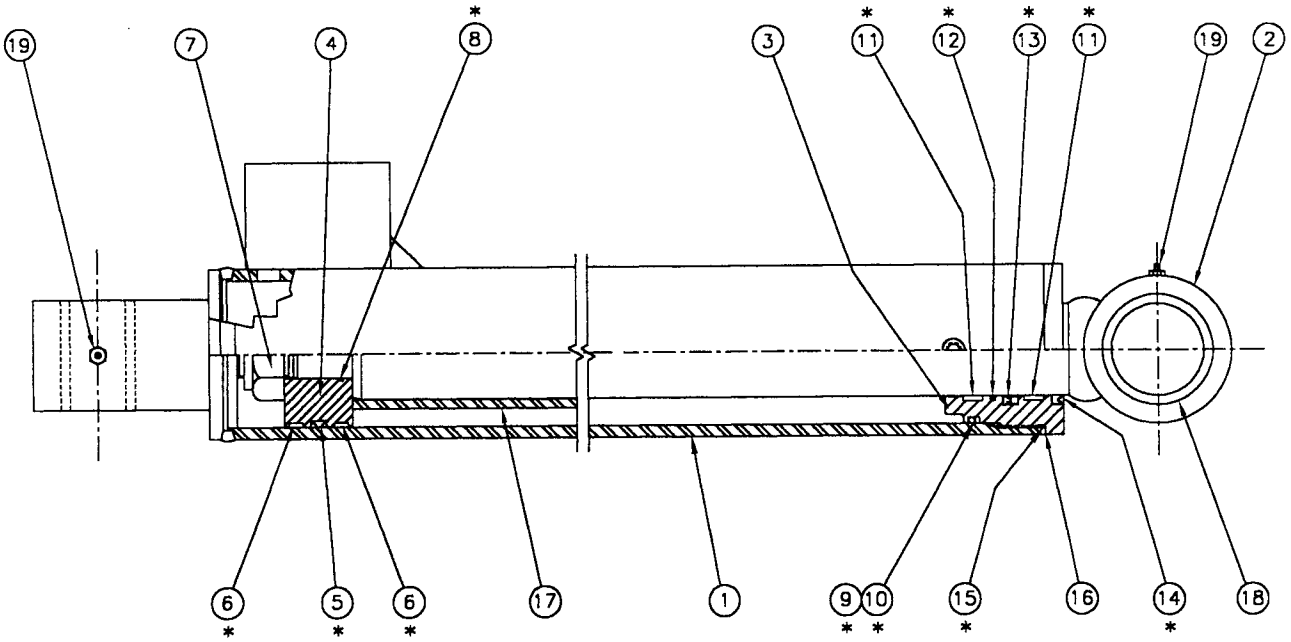


ITEM	NUMBER	DESCRIPTION	REQD
1	7-172-17	SENDER / TRANS. OIL TEMP.	1
2	7-172-09	SENDER / ENGINE WATER TEMP.	1
3	7-183-18	RELAY / STARTER	1
4	2-1220	MOUNT / STARTER RELAY	1
5	6-6406-04	FITTING / NPT REDUCER 1/2 x 3/8	1
6	6-8508-25	CAPSCREW 8mm x 1.25 x 25mm LG.	1
7	6-9111-08	LOCKWASHER 8mm	1
8	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	4
9	6-6211-04	LOCKWASHER 1/4	4
10	6-6212-04	FLATWASHER 1/4	4
11	1-1094	GROUND WIRE / STARTER RELAY	REF
12	7-172-05	SENDER / ENGINE OIL PRESSURE	1
13	7-172-16	SENDER / TRANS. OIL PRESSURE	1
14	6-6286-06	HEX NUT #10-32	1
15	6-6422-01	FITTING / 02 NPT 90 BRASS ST. ELB.	1
16	2-1221	JUMPER WIRE ASSEMBLY / 8 RED	1
17	2-1222	JUMPER WIRE ASSEMBLY / 12 BLACK	1
18	7-319-21	RELAY / STARTER	1

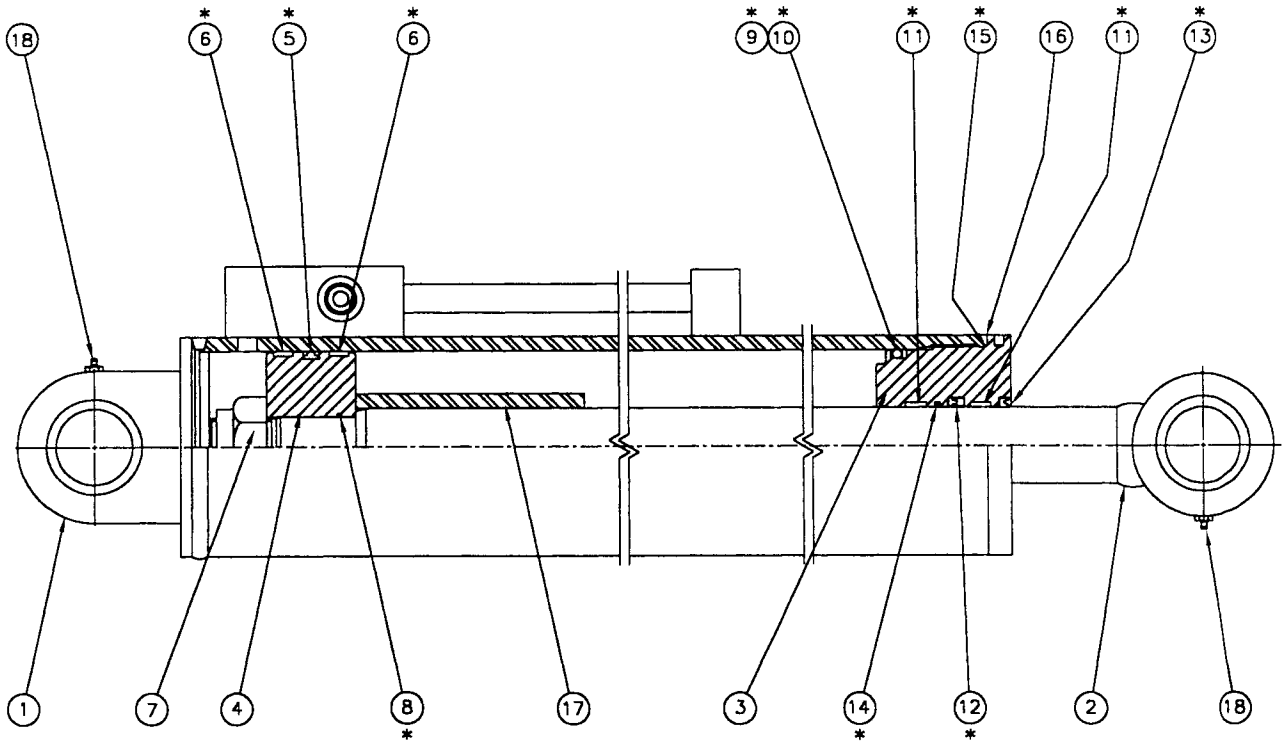
NOTES


SEE AIR CLEANER ASSEMBLY
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SEE FUEL CIRCUIT
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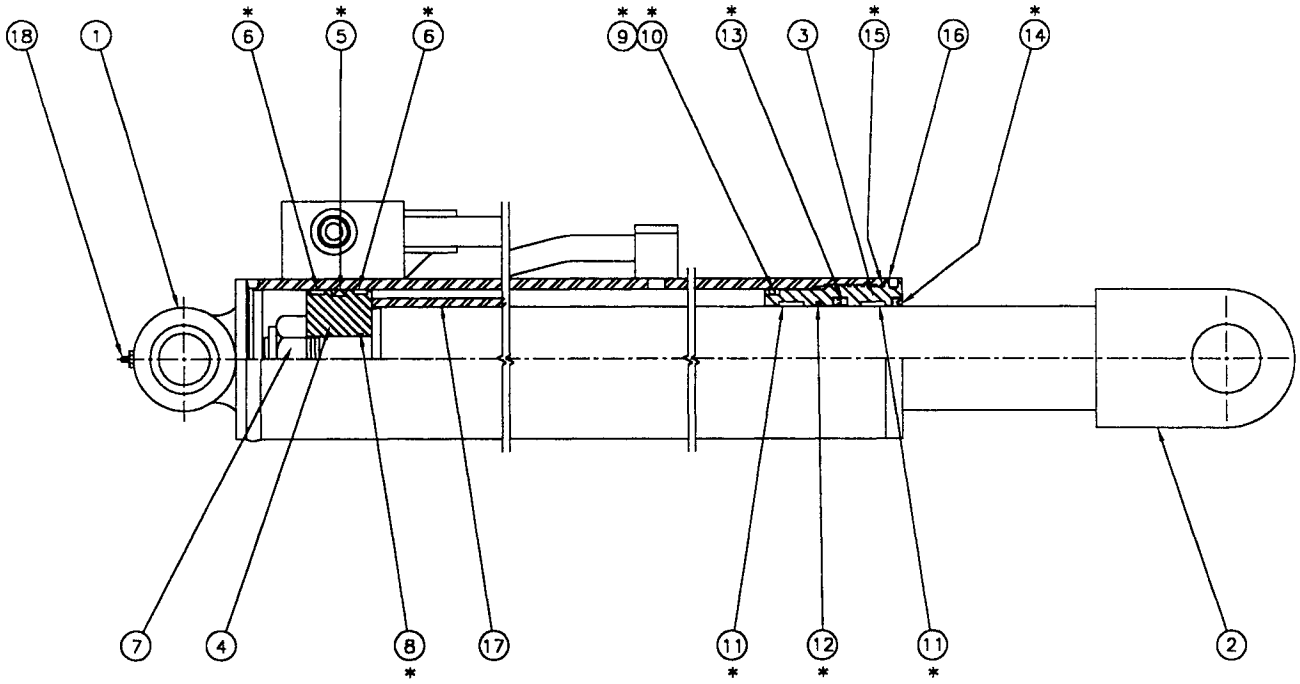
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2189	ENCLOSURE ASSY (ITEMS 2,3,4 & 5)	1
2	4-2189-1	WELDMENT / ENCLOSURE SUPPORT	REF
3	4-2189-9	WELDMENT / FUEL TANK COVER	REF
4	4-2189-10	WELDMENT / BATTERY COVER DOOR	REF
5	4-2189-11	WELDMENT / AIR CLEANER COVER DOOR	REF
6	6-5208-08	CAPSCREW 1/2 NC x 2 LG.	4
7	6-6211-08	LOCKWASHER 1/2	5
8	6-6201-08	HEX NUT 1/2 NC	4
9	7-290-01	BODY BOLT 5/16 NC x 3/4 LG.	12
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	3
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



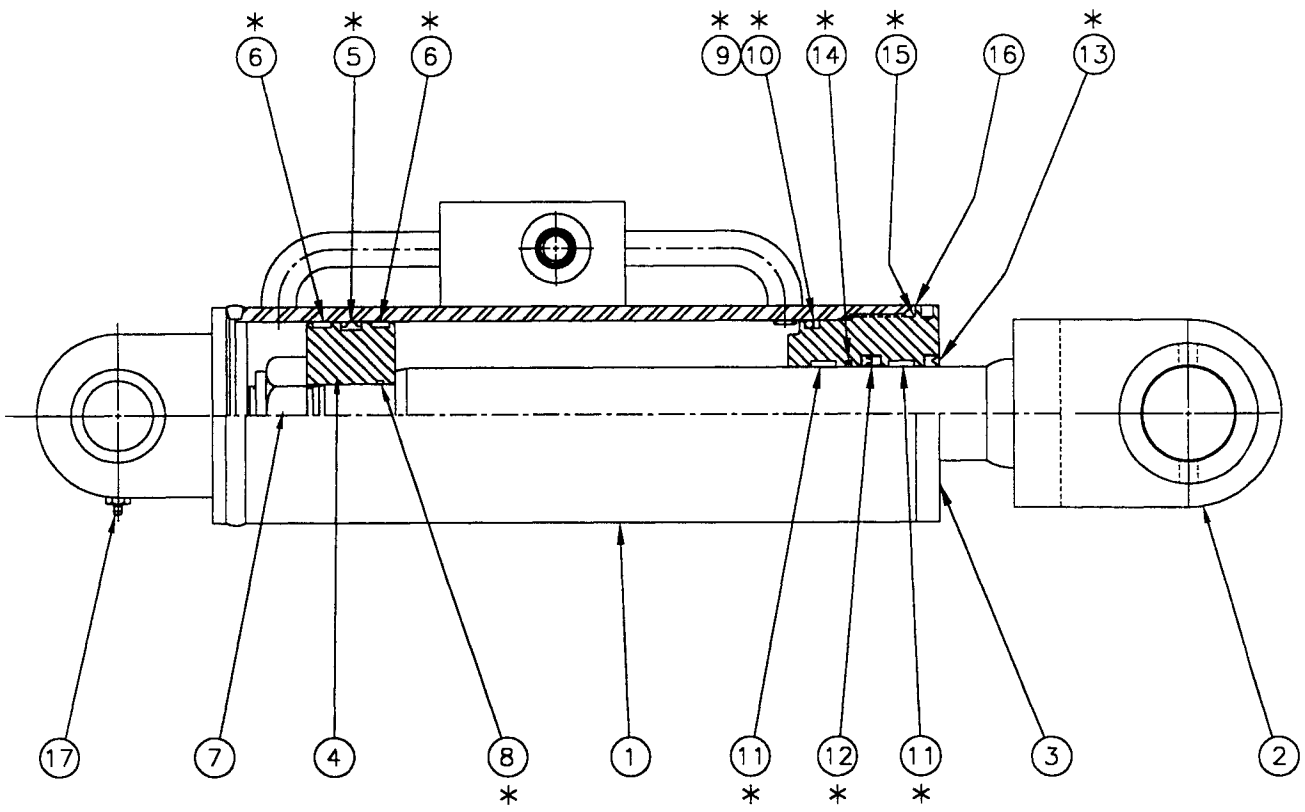
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-364	BARREL ASSEMBLY		1
2	7-316-365	ROD ASSEMBLY		1
3	7-316-368	HEAD		1
4	7-316-359	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP 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



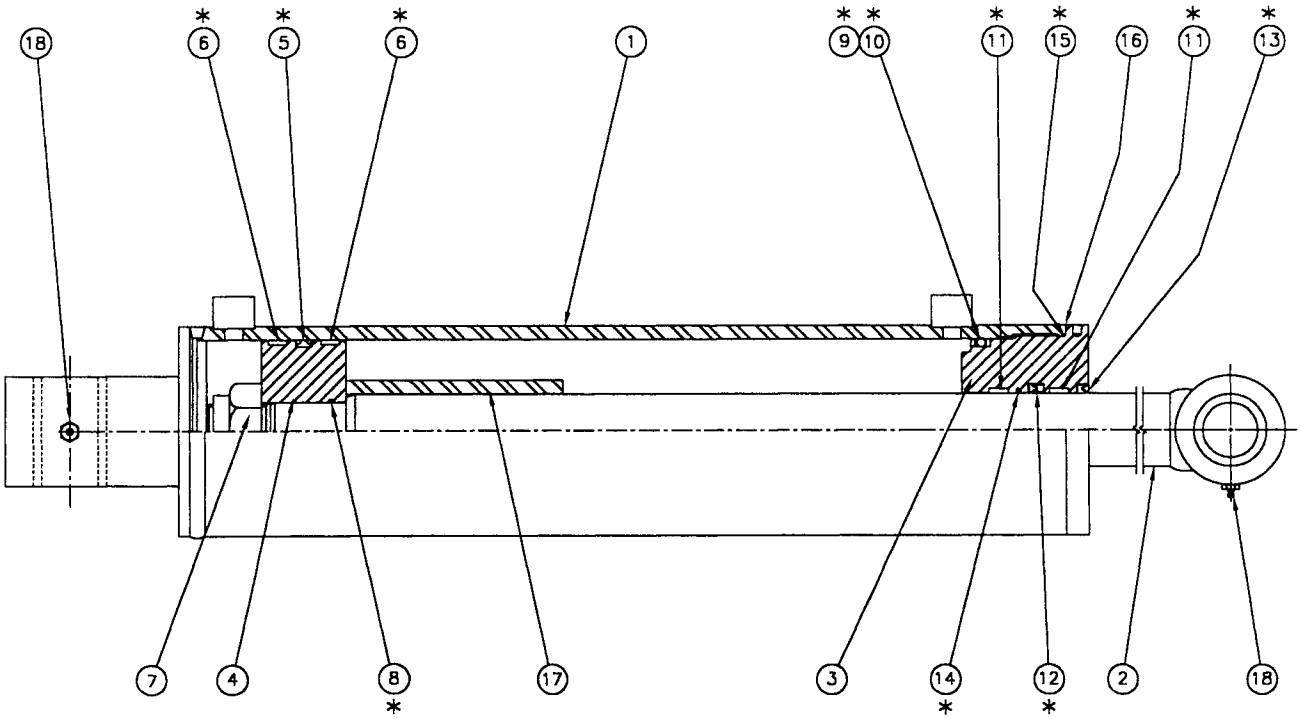
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-371	BARREL ASSEMBLY		1
2	7-316-280	ROD ASSEMBLY		1
3	7-316-372	HEAD		1
4	7-316-373	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-377	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP 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

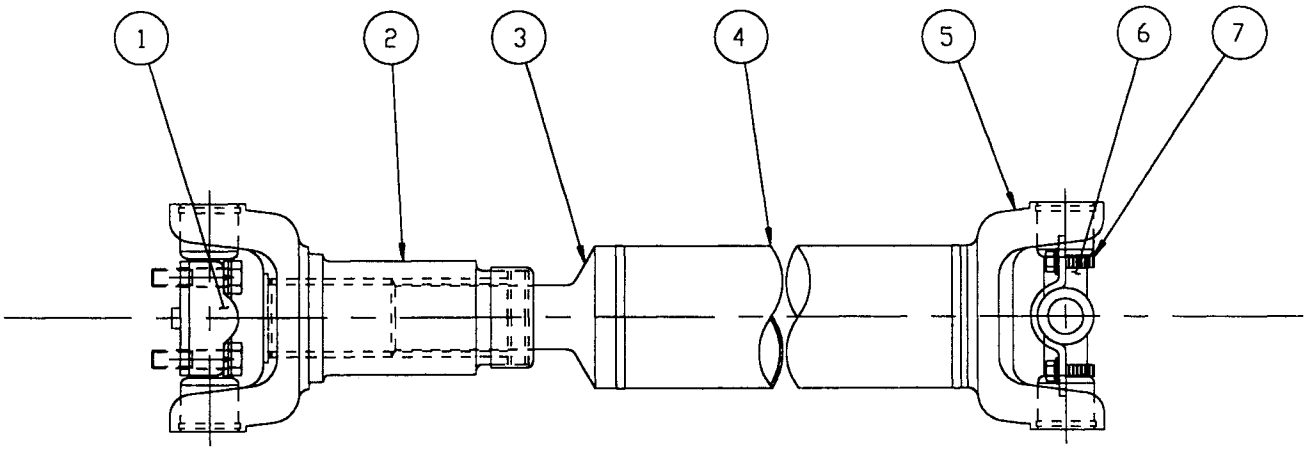


ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-380	BARREL ASSEMBLY		1
2	7-316-381	ROD ASSEMBLY		1
3	7-316-379	HEAD		1
4	7-316-359	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP 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

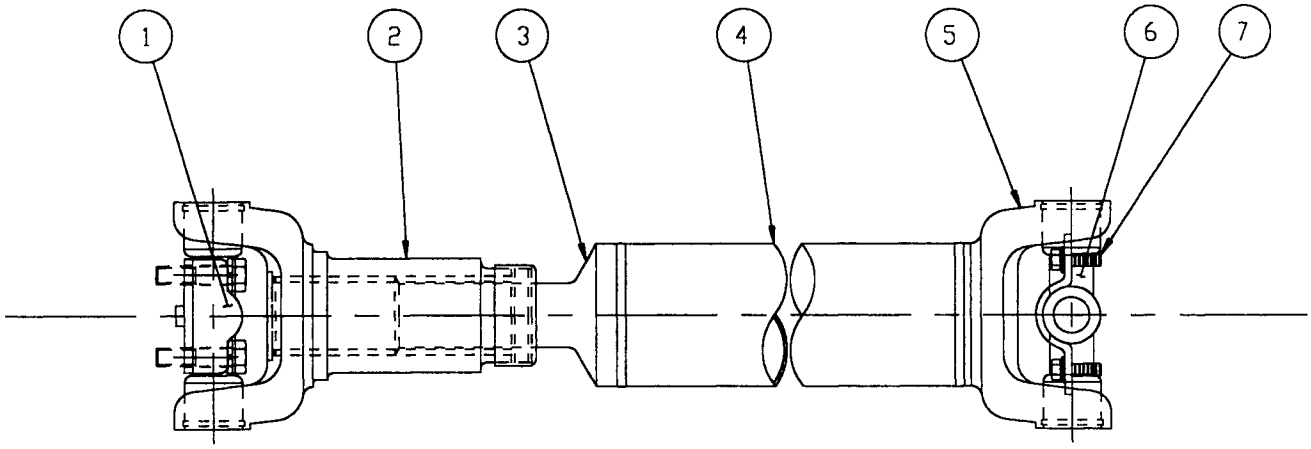


ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-378	BARREL ASSEMBLY		1
2	7-316-275	ROD ASSEMBLY		1
3	7-316-372	HEAD		1
4	7-316-373	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-377	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP 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

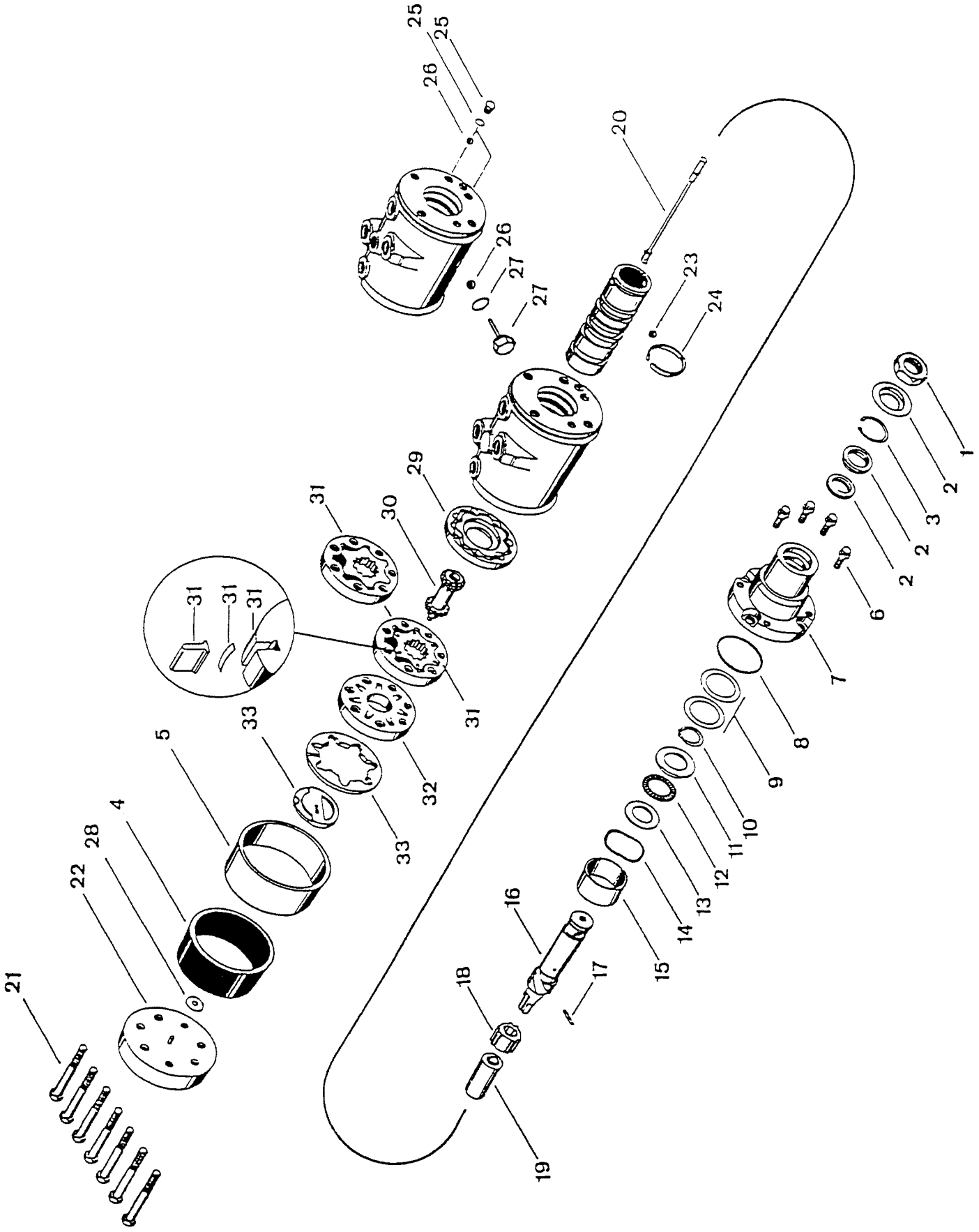
NOTES



ITEM	NUMBER	DESCRIPTION	REQD
1	7-196-54	CROSS & BEARING ASSEMBLY	1
2	7-196-55	SLIP YOKE	1
3	7-196-56	SLIP STUB	1
4	7-196-62	TUBE WELDMENT	1
5	7-196-58	WELD YOKE	1
6	7-196-59	CROSS & BEARING ASSEMBLY	1
7	7-196-51	STRAP KIT	1
8	7-196-52	DRIVESHAFT ASSY (ITEMS 1 THRU 7)	REF

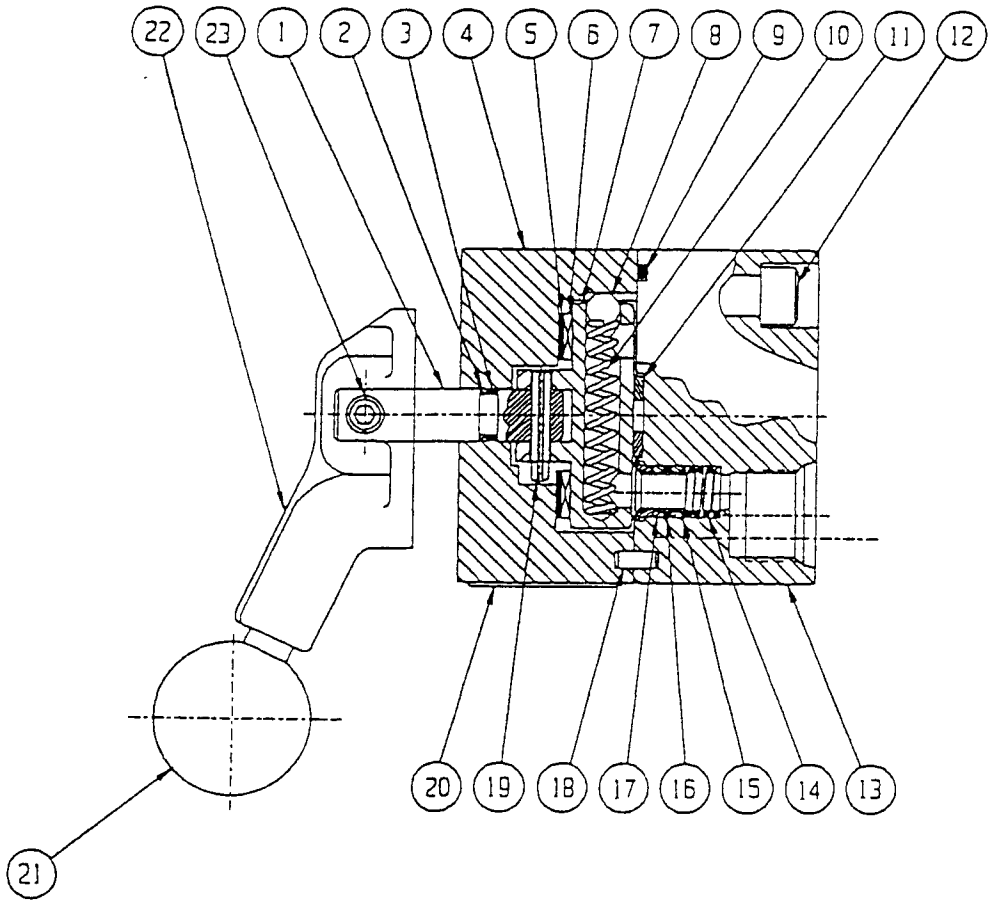


ITEM	NUMBER	DESCRIPTION	REQD
1	7-196-54	CROSS & BEARING ASSEMBLY	1
2	7-196-55	SLIP YOKE	1
3	7-196-56	SLIP STUB	1
4	7-196-68	TUBE WELDMENT	1
5	7-196-58	WELD YOKE	1
6	7-196-59	CROSS & BEARING ASSEMBLY	1
7	7-196-51	STRAP KIT	1
8	7-196-67	DRIVESHAFT ASSY (ITEMS 1 THRU 7)	REF

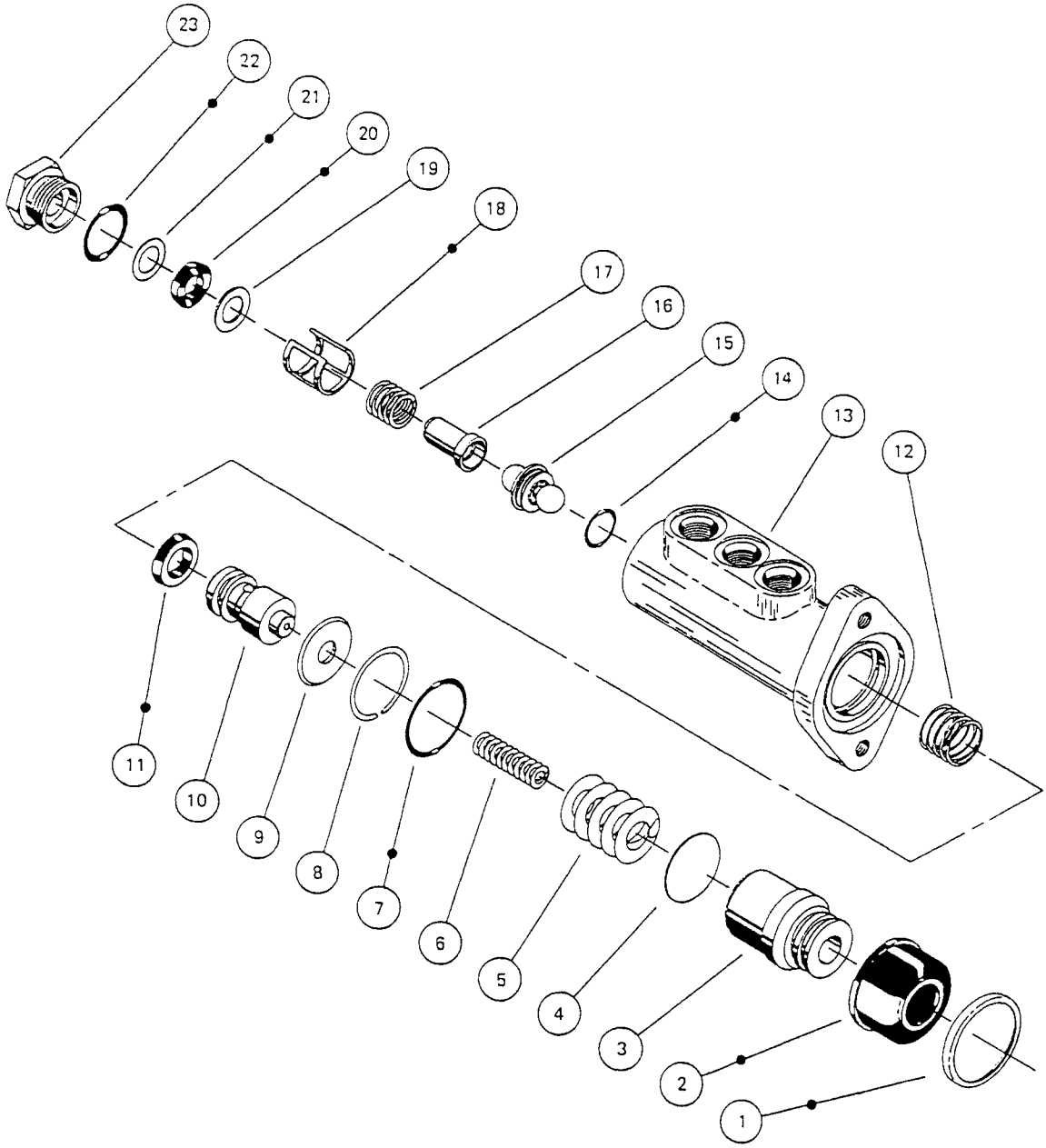


41	PAGE NUMBER	ORBITRAL ASSEMBLY / 7-256-71 TH528C, SS-636C, & SS-644C	DRAWING NUMBER	P1-1290

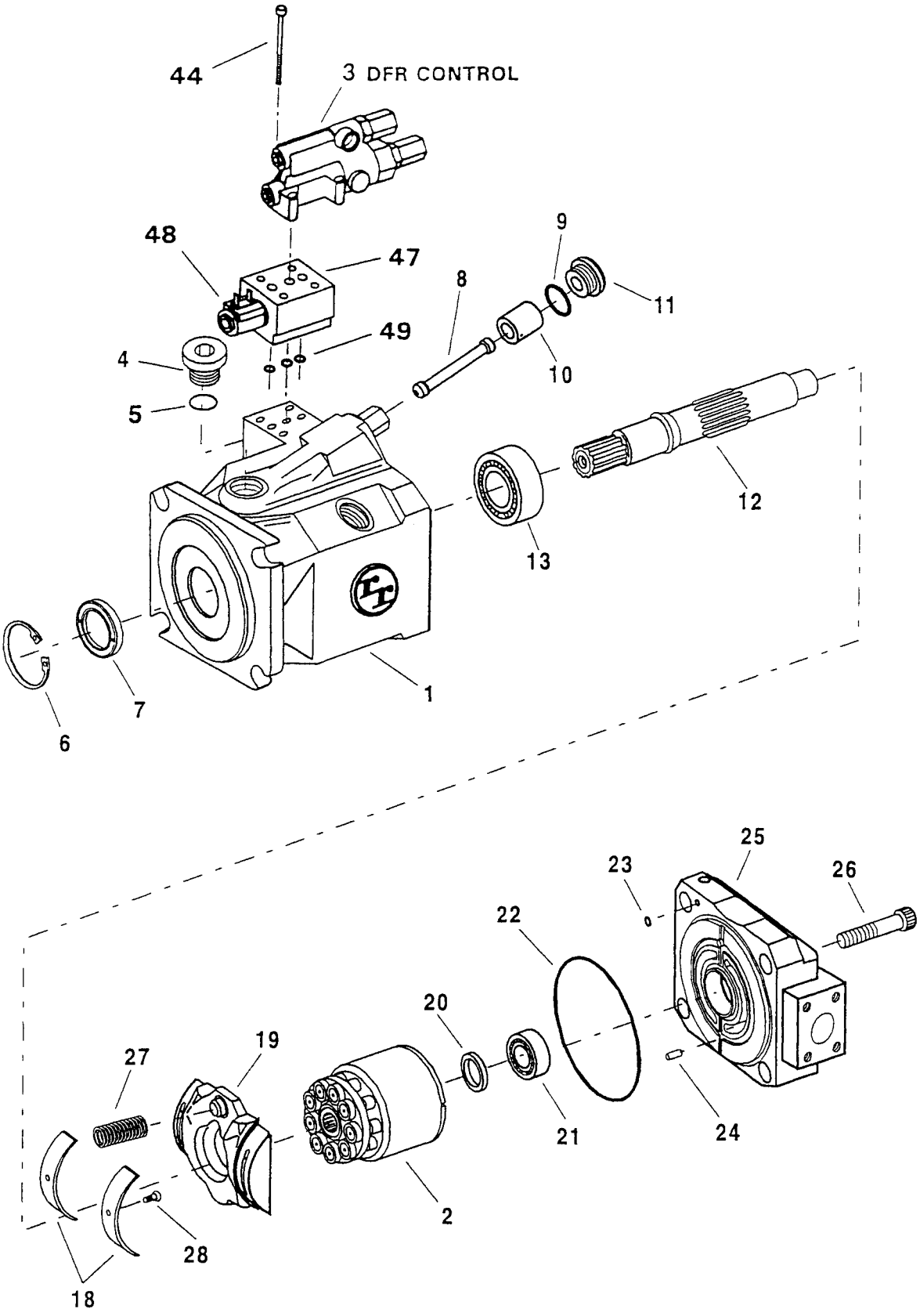
ITEM	NUMBER	DESCRIPTION	REQD
1	7-256-37	NUT	1
2	7-256-35	SEAL KIT	1
3	7-256-38	SNAP RING	1
4	7-256-72	SEAL	1
5	7-256-73	CAN	1
6	7-256-41	FINE THREAD SCREWS	4
7	7-256-42	UPPER COVER	1
8	7-256-43	SEAL	1
9	7-256-44	SHIM KIT	1
10	7-256-45	SNAP RING	1
11	7-256-46	THRUST WASHER	1
12	7-256-47	THRUST	1
13	7-256-48	THRUST BEARING	1
14	7-256-49	SPRING WASHER	1
15	7-256-50	SPACER WASHER	1
16	7-256-51	INPUT SHAFT	1
17	7-256-52	NEEDLE ROLLER	1
18	7-256-53	DRIVE RING	1
19	7-256-74	SPACER	1
20	7-256-75	TORSION BAR	1
21	7-256-76	FINE THREAD BOLTS	7
22	7-256-57	END COVER	1
23	7-256-58	BALL / 5/16 DIA.	1
24	7-256-59	SPRING	1
25	7-256-60	PLUG & O-RING	2
26	7-256-61	BALL / 1/4" DIA.	2
27	7-256-62	PLUG ASSEMBLY	1
28	7-256-63	WASHER	1
29	7-256-64	SPACER	1
30	7-256-77	DRIVE LINK	1
31	7-256-78	ROTOR SET	1
32	7-256-67	MANIFOLD	1
33	7-256-68	COMMUTATOR ASSEMBLY	1


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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

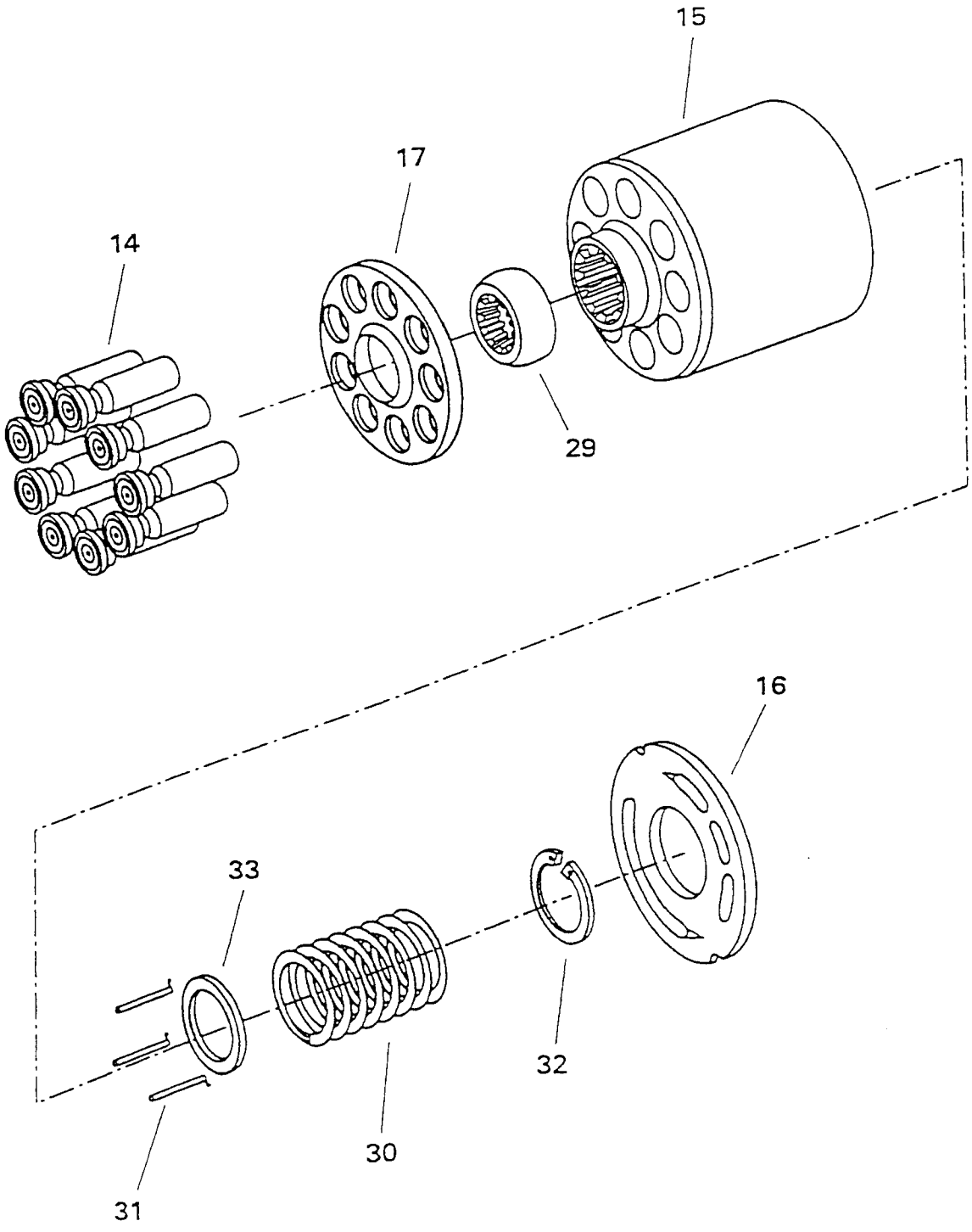

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-198-09	RING	1
2	7-198-20	BOOT	1
3		PISTON	1
4		SHIM / ITEMS 25-28	
5		SPRING	1
6		SPRING	
7	7-198-21	O-RING	1
8		RETAINER RING	1
9		WASHER	1
10		PISTON	1
11	7-198-13	CUP	1
12		SPRING	1
13		HOUSING	1
14	7-198-15	O-RING	1
15		VALVE & BALL ASSEMBLY	1
16		GUIDE	1
17		SPRING	1
18	7-198-16	SPACER SHEEVE	1
19		WASHER	1
20	7-198-18	CUP	1
21	7-198-29	BACK-UP RING	1
22	7-198-19	O-RING	1
23		PLUG	1
24			
25	7-198-05	SHIM / AS REQD	
26	7-198-06	SHIM / AS REQD	
27	7-198-07	SHIM / AS REQD	
28	7-198-08	SHIM / AS REQD	
29			
30	7-198-40	KIT-ITEMS 1, 2, 7, 11, 14, 18, 20, 21, & 22	



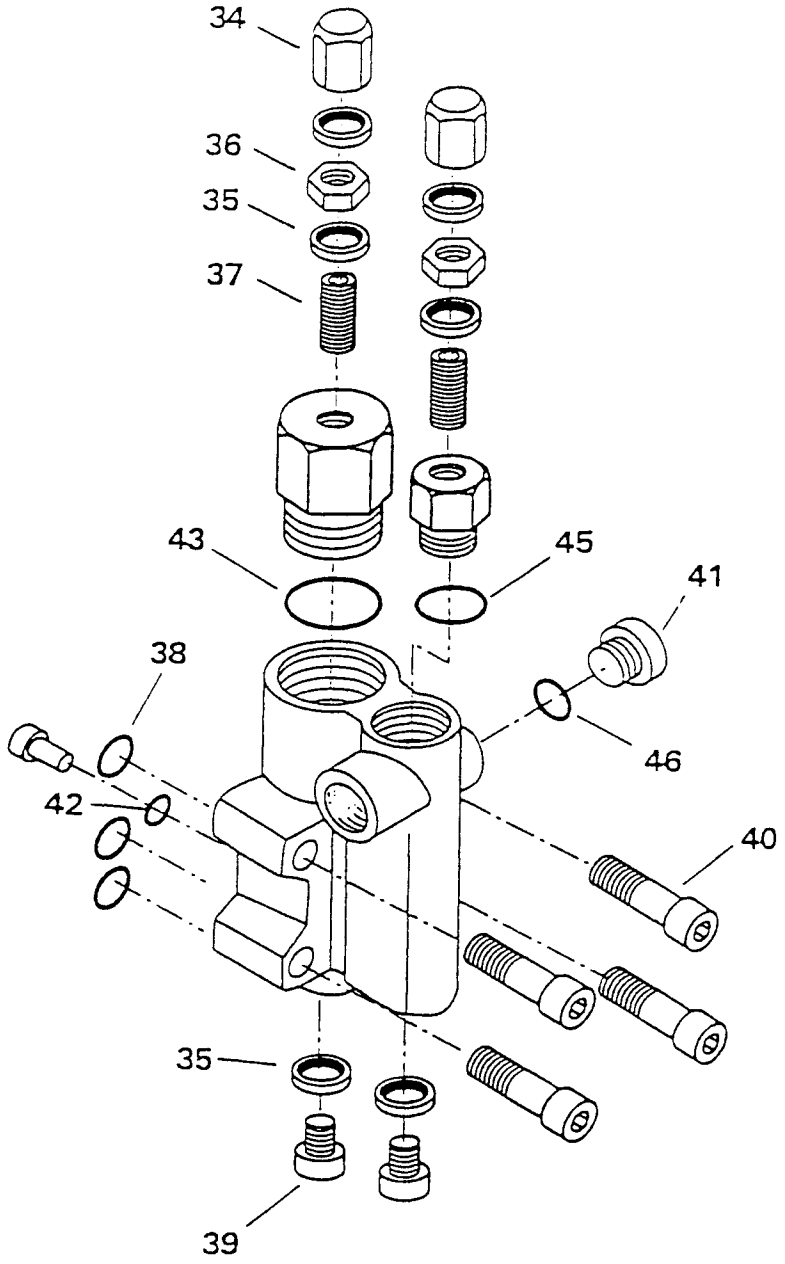
44	PAGE NUMBER	HYDRAULIC PUMP ASSEMBLY / 7-345-113 TH528C, SS-636C, & SS-644C	DRAWING NUMBER	P4-2059

ITEM 2
ROTARY GROUP CW
PARTS BREAKDOWN

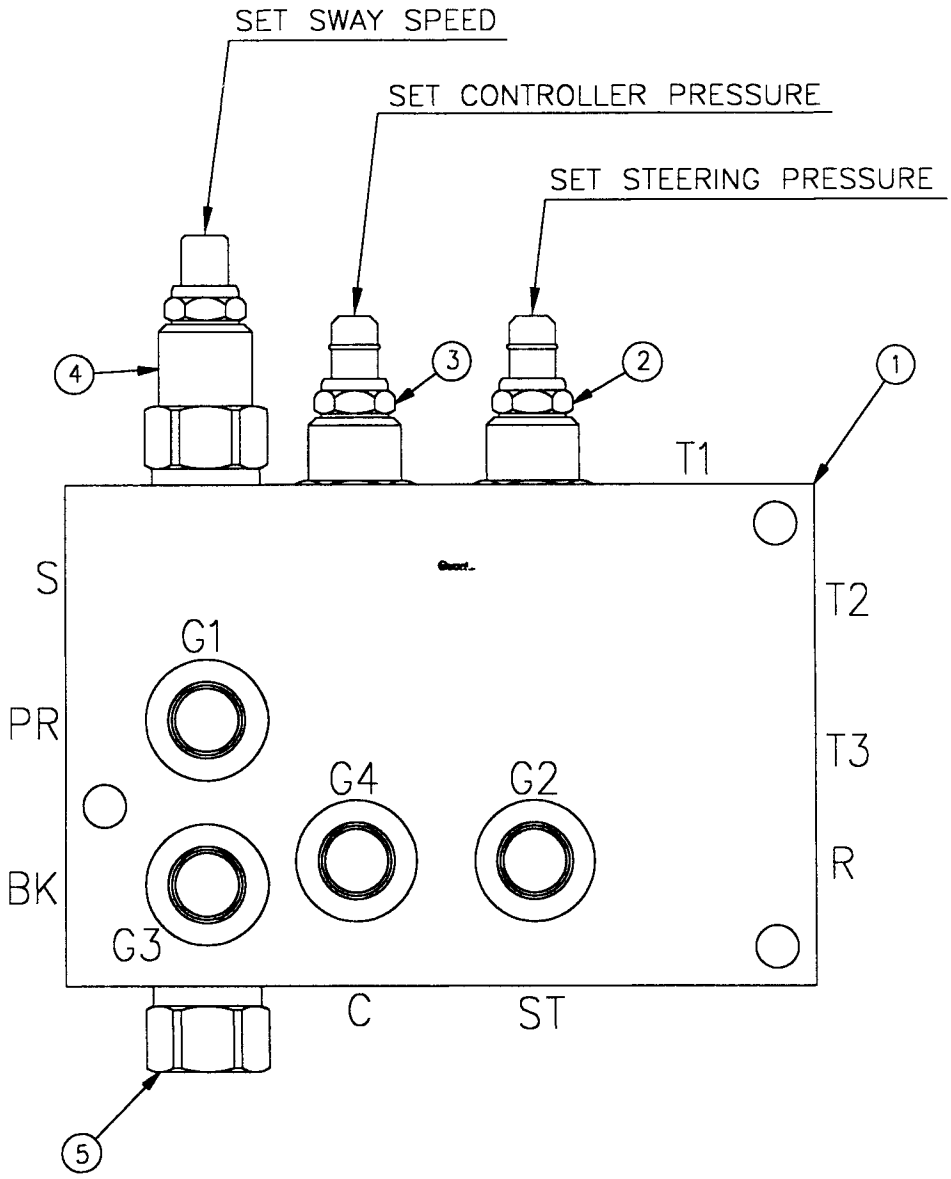


DRAWING NUMBER	P4-2059	HYDRAULIC PUMP ASSEMBLY / 7-345-113 TH528C, SS-636C, & SS-644C	PAGE NUMBER 44A

ITEM 3
DFR CONTROL
PARTS BREAKDOWN



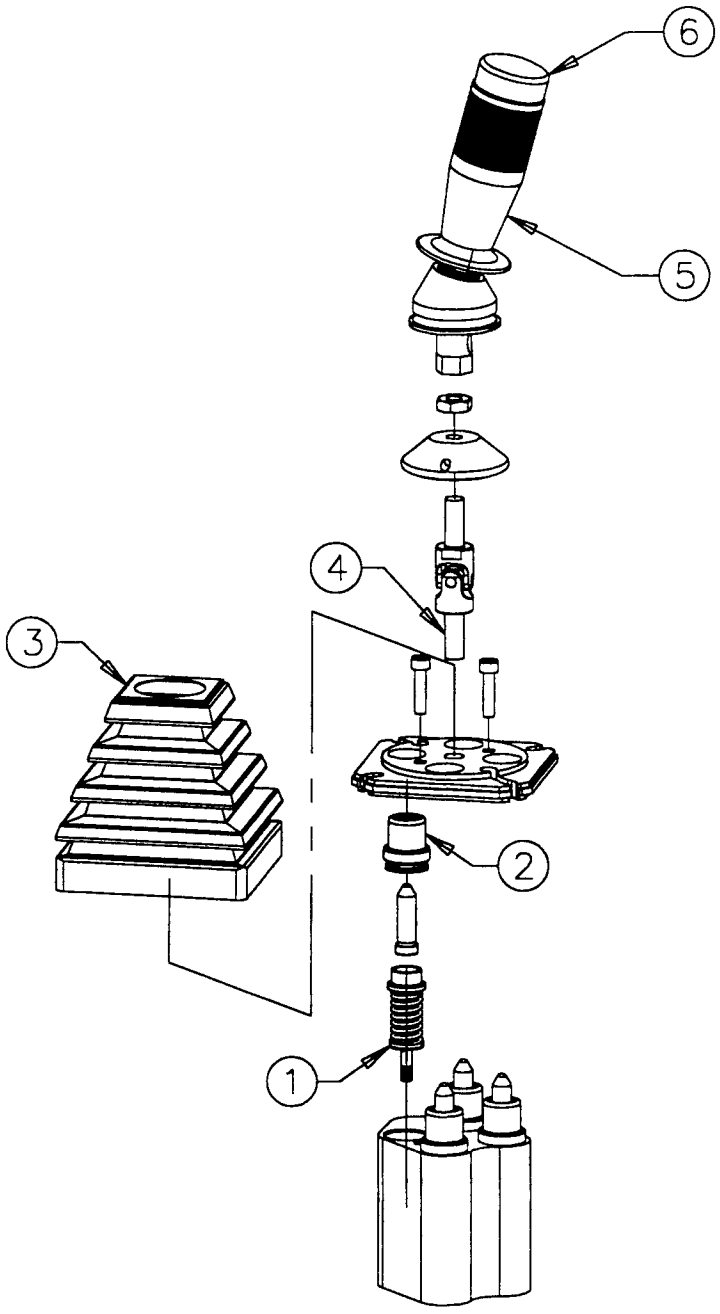
ITEM	NUMBER	DESCRIPTION		REQD
1	7-345-159	HOUSING ASSEMBLY		1
2	7-345-160	ROTARY GROUP CW		1
3	7-345-140	DFR CONTROL		1
4	7-345-05	PLUG		1
5	7-345-06	O-RING	(*)	1
6	7-345-08	SNAP RING		1
7	7-345-09	SHAFT SEAL	(*)	1
8	7-345-10	ROD		1
9	7-345-11	O-RING	(*)	1
10	7-345-12	PISTON		1
11	7-345-161	PLUG		1
12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



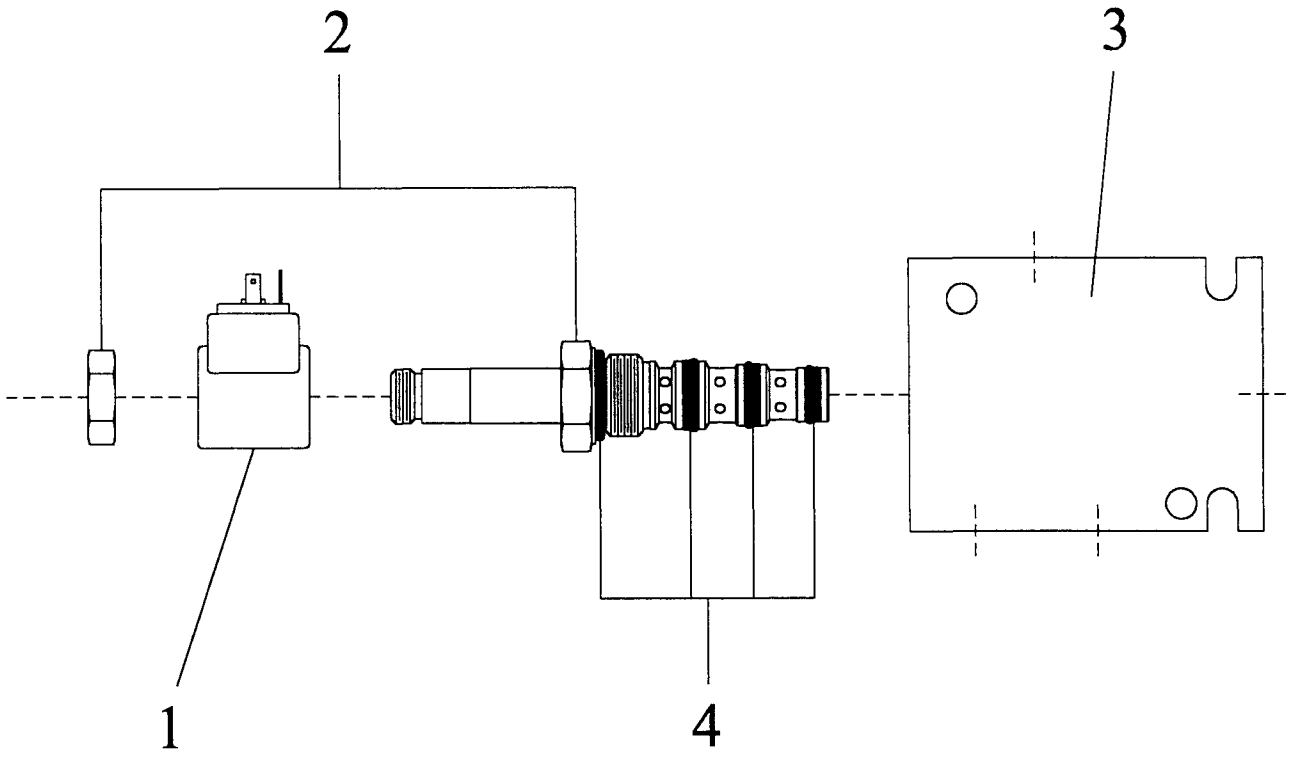
PRESSURE SETTINGS

G1	SYSTEM PRESSURE	3300 PSI
G2	STEERING PRESSURE	2250 PSI
G3	BRAKE PRESSURE	3300 PSI
G4	CONTROLLER PRESSURE	500 PSI

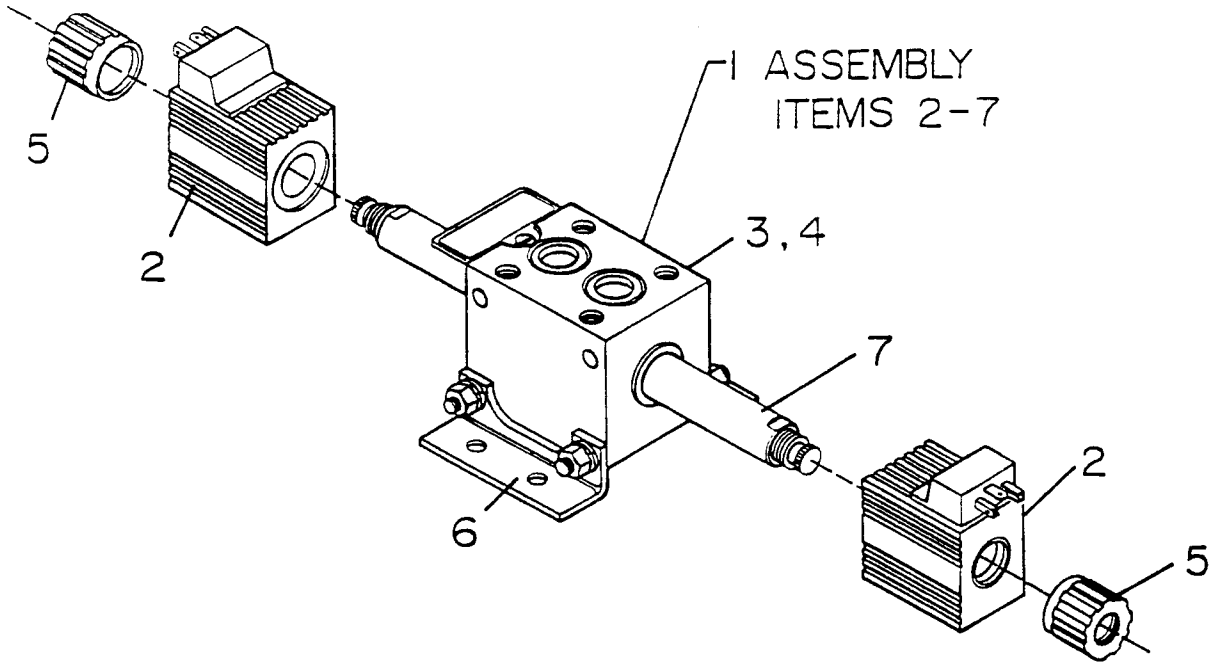
ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-97	BODY	1
2	7-234-28	CARTRIDGE / REDUC.-RELIEVING	1
3	7-234-13	CARTRIDGE / REDUC.-RELIEVING	1
4	7-234-37	CARTRIDGE / NEEDLE	1
5	7-234-80	CARTRIDGE / CHECK	1
6	7-234-94	CONTROL BLOCK ASSEMBLY (ITEMS 1-5)	1



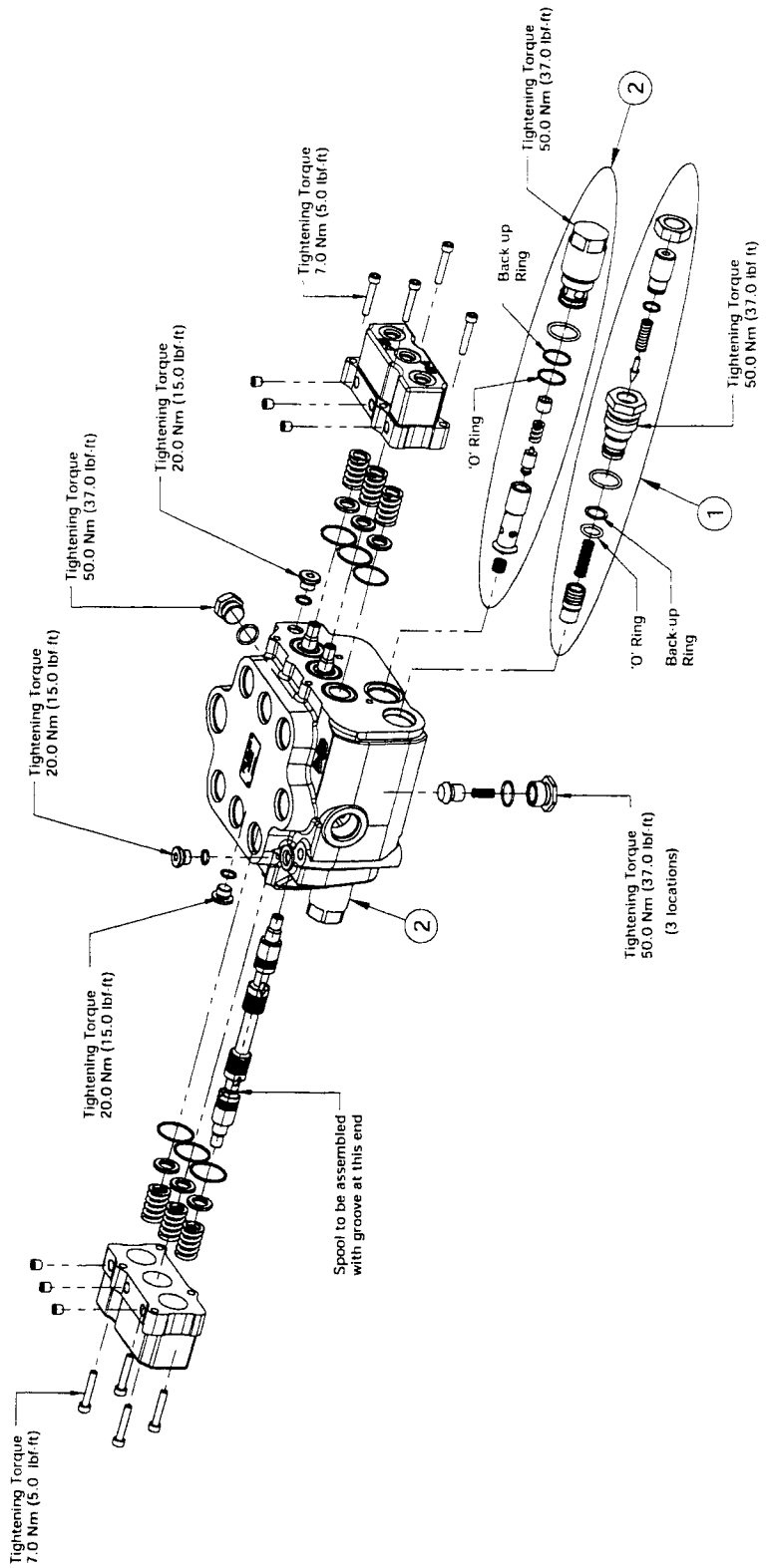
ITEM	NUMBER	DESCRIPTION	REQD
1	7-358-16	SPRING PACK	4
2	7-358-17	GUIDE & SEAL ASSEMBLY	4
3	7-358-18	BOOT	1
4	7-358-19	UNIVERSAL JOINT ASSEMBLY	1
5	7-358-20	COMPLETE HANDLE ASSEMBLY	1
6	7-358-28	SWITCH COVER	1



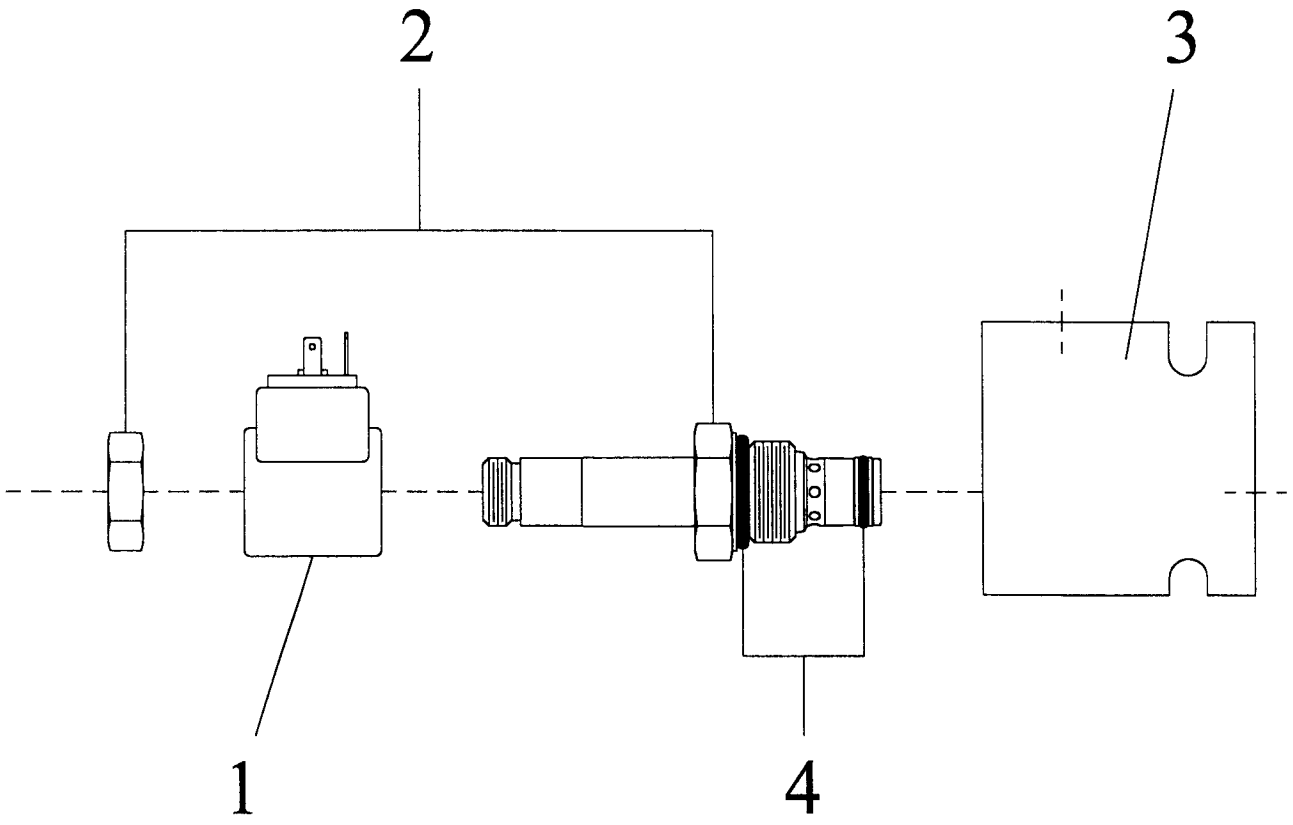
ITEM	NUMBER	DESCRIPTION	REQD
1	7-367-05	COIL / DIN	1
2	7-367-10	CARTRIDGE ASSEMBLY w/ NUT	1
3	7-367-11	BODY	1
4	7-367-19	SEAL KIT / CARTRIDGE	REF



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



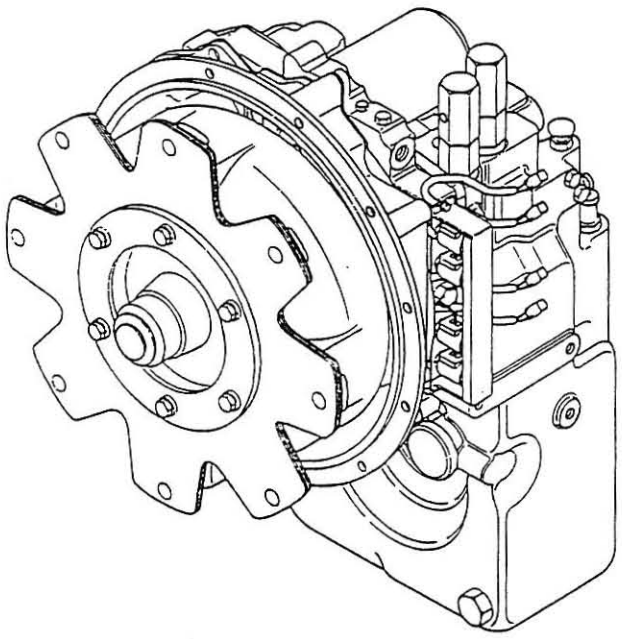
ITEM	NUMBER	DESCRIPTION	REQD
1	7-358-35	ASSEMBLY / MAIN RELIEF VALVE	1
2	7-358-36	ASSEMBLY / OVERLOAD RELIEF VALVE	2
3	7-358-37	REPAIR KIT / MAIN RELIEF VALVE	REF
4	7-358-39	REPAIR KIT / OVERLOAD RELIEF VALVE	REF
5	7-358-40	REPAIR KIT / COMPLETE MAIN VALVE	REF



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

Parts Book - TH

TRANSMISSION
PARTS BOOK
TH528C TH636C TH644C TH842C



DATE: 3-30-01

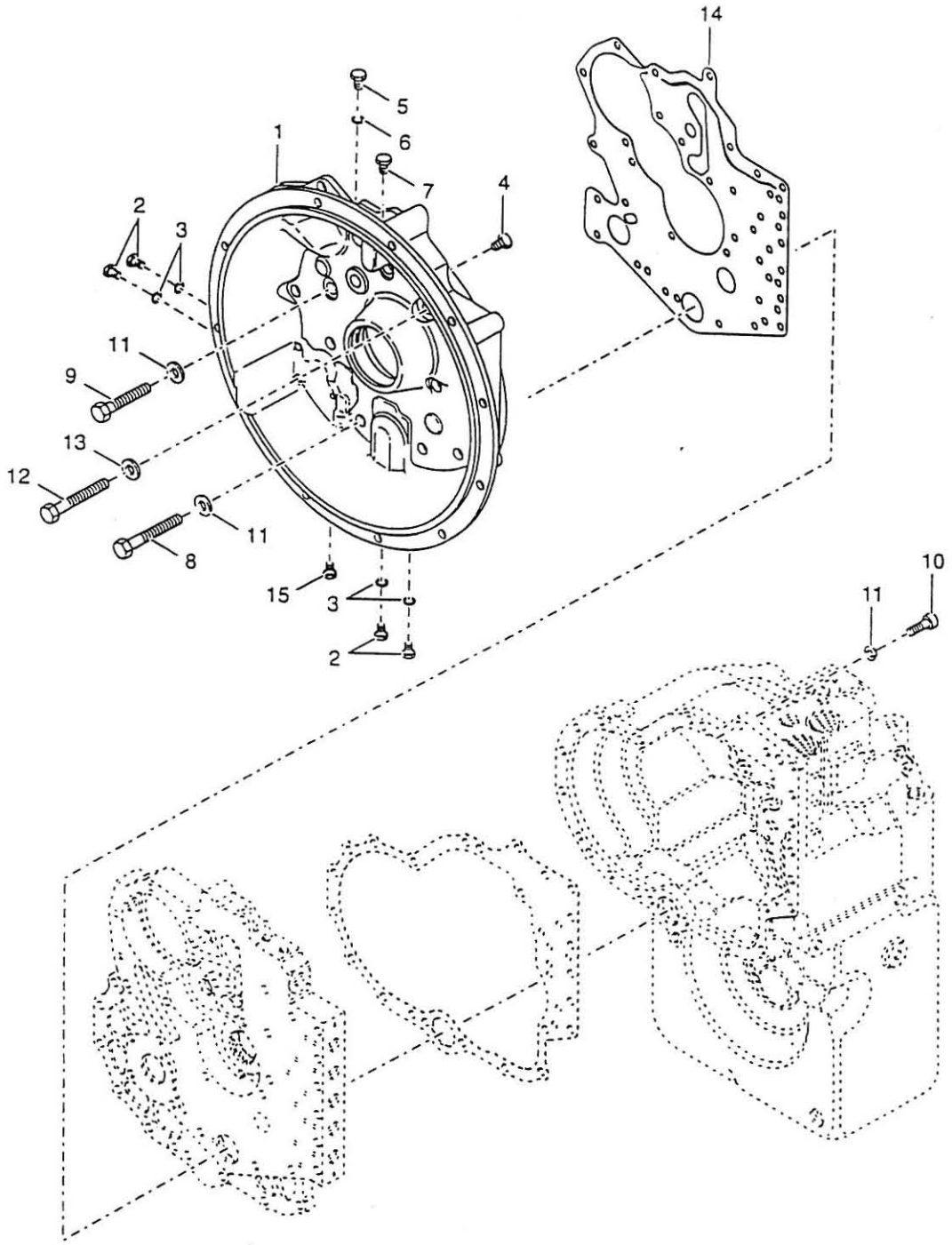
CLARK T12000 SERIES

INTERMEDIATE DROP

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

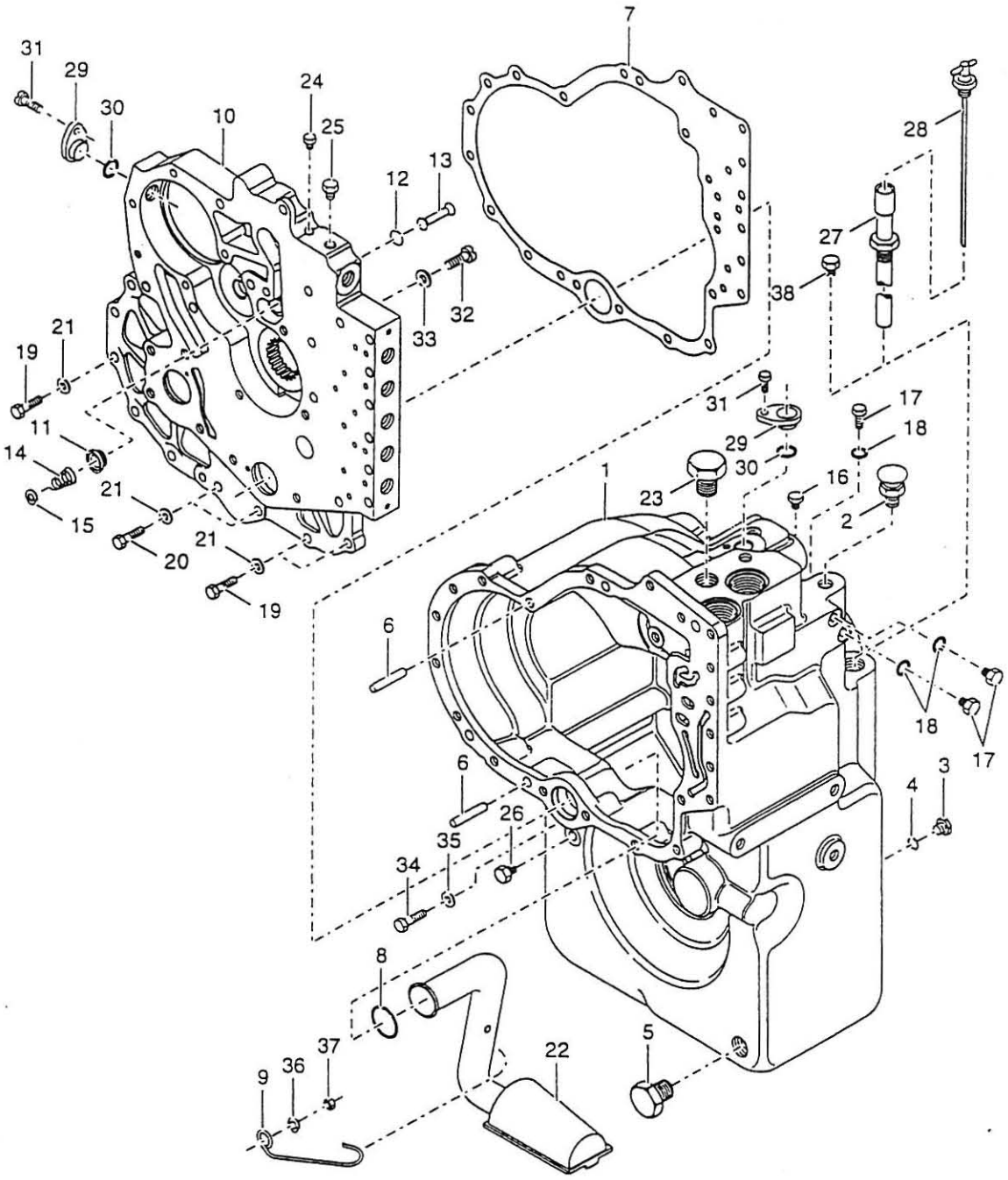
INDEX

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



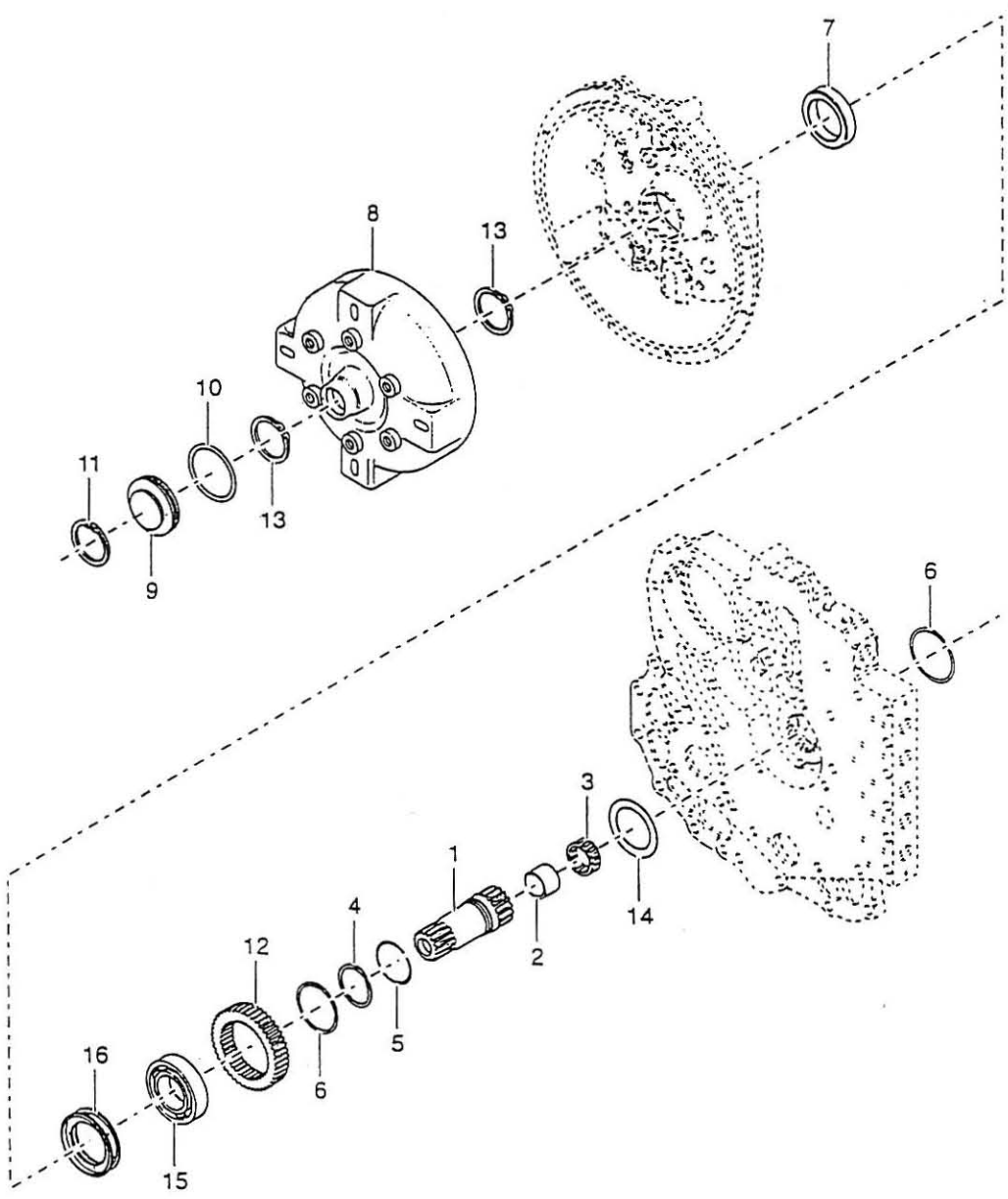
1	PAGE NUMBER	CONVERTER HOUSING GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1244

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

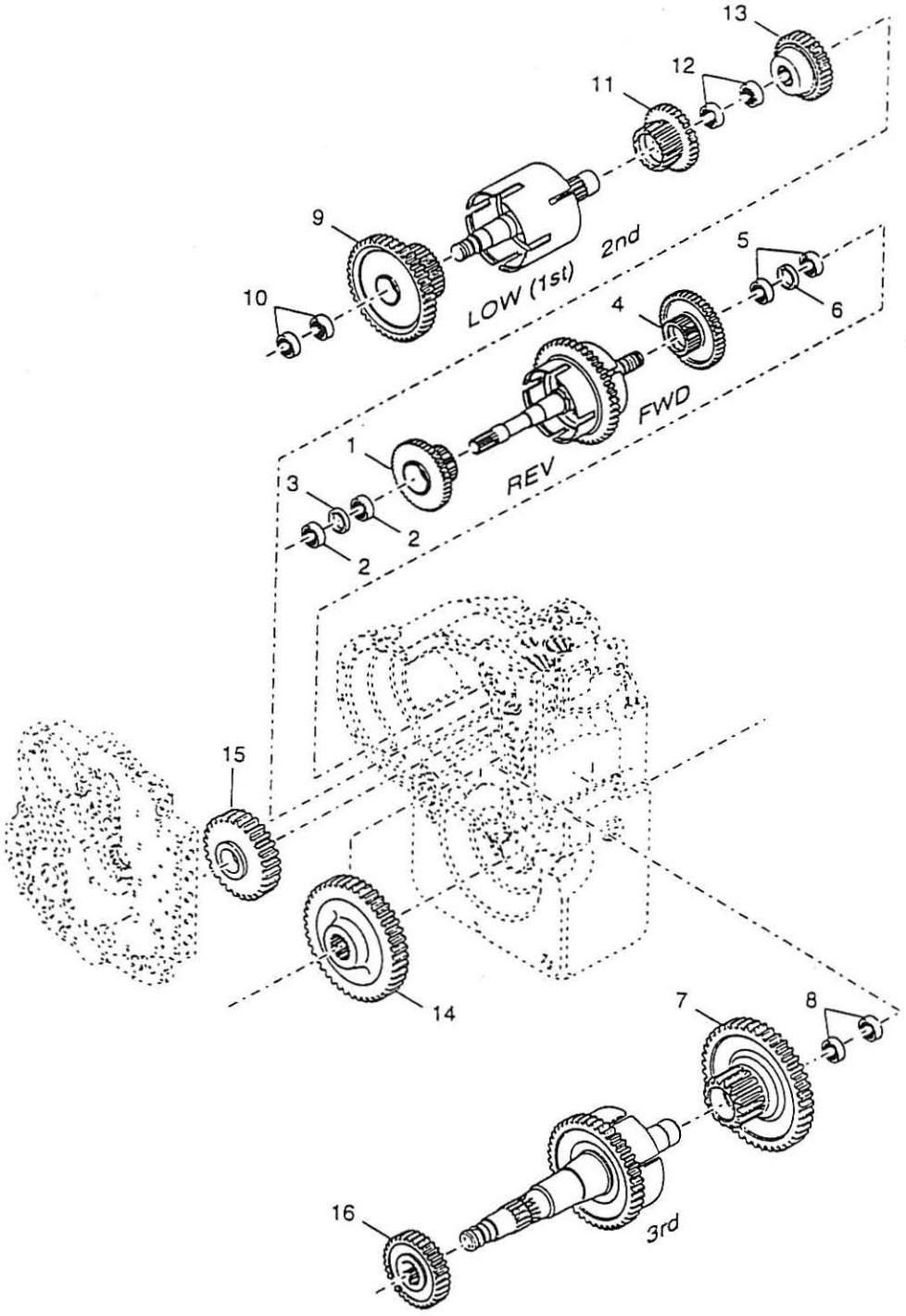


2	PAGE NUMBER	TRANSMISSION CASE & PLATE GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1245

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

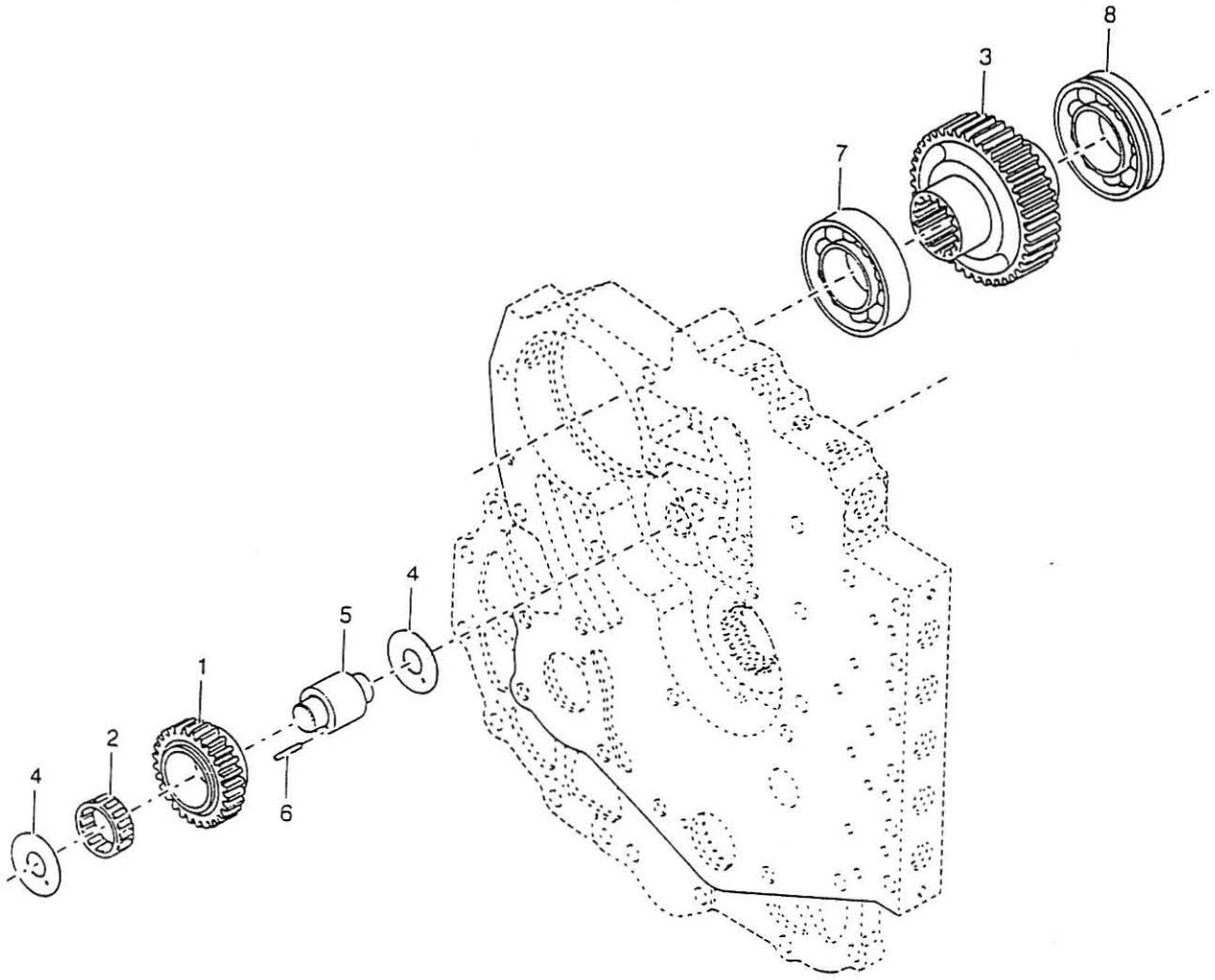

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-411	STATOR SUPPORT ASSY (INCL. ITEMS 2-3)	1
2	7-126-412	BUSHING	1
3	7-126-413	BEARING	1
4	7-126-414	STATOR SUPPORT PISTON RING	1
5	7-126-415	EXPANDER	1
6	7-126-416	SNAP RING	2
7	7-126-360	SEAL	1
8	7-126-518	TORQUE 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



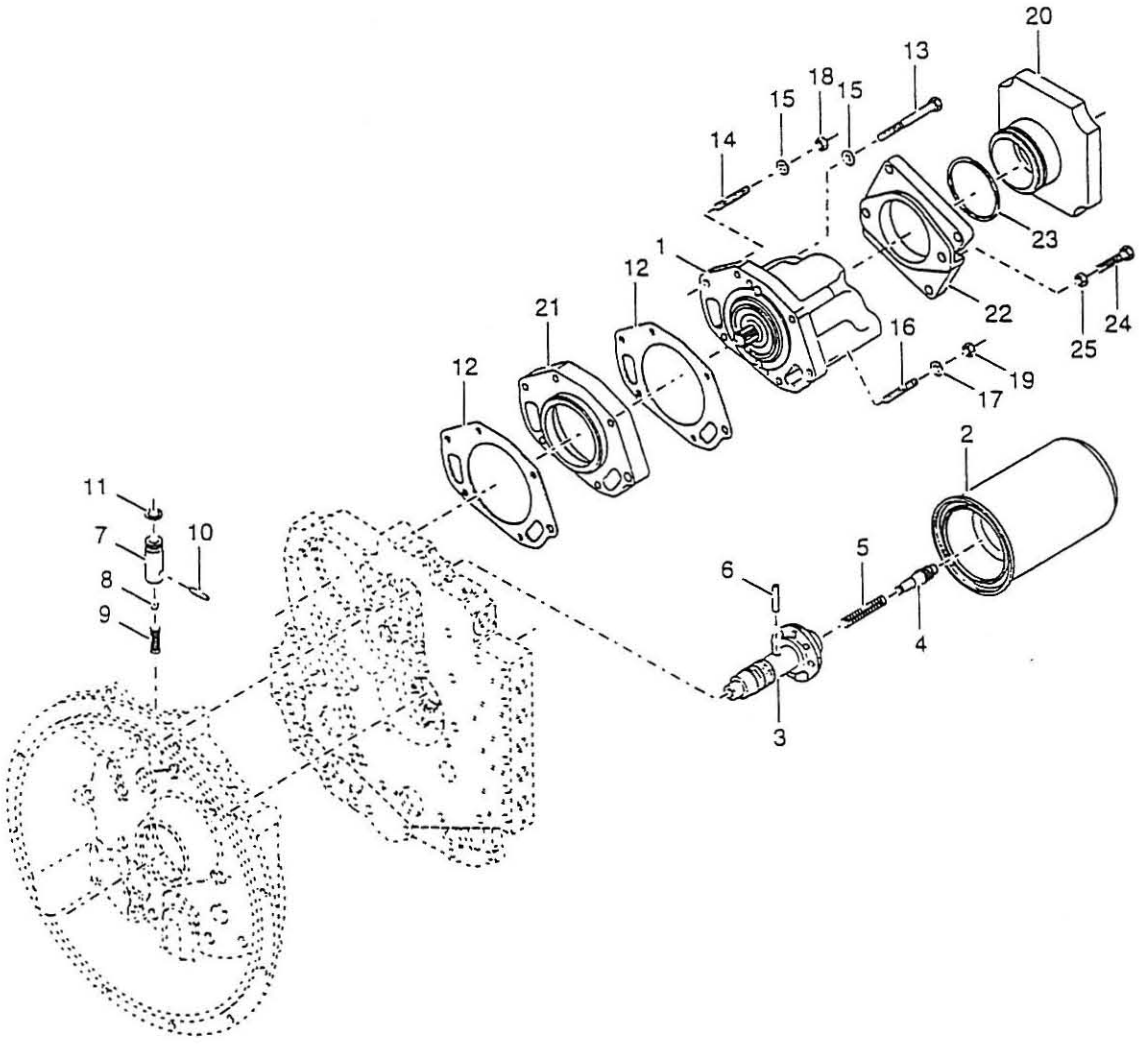
4	PAGE NUMBER	GEAR GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1247

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



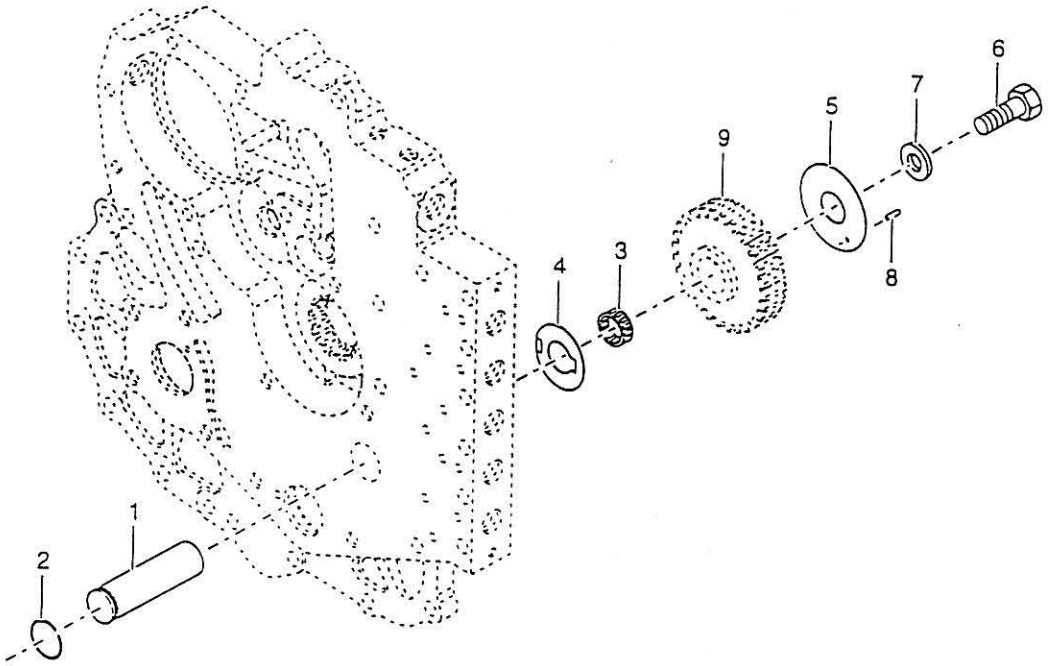
5	PAGE NUMBER	PUMP DRIVE GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1248

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



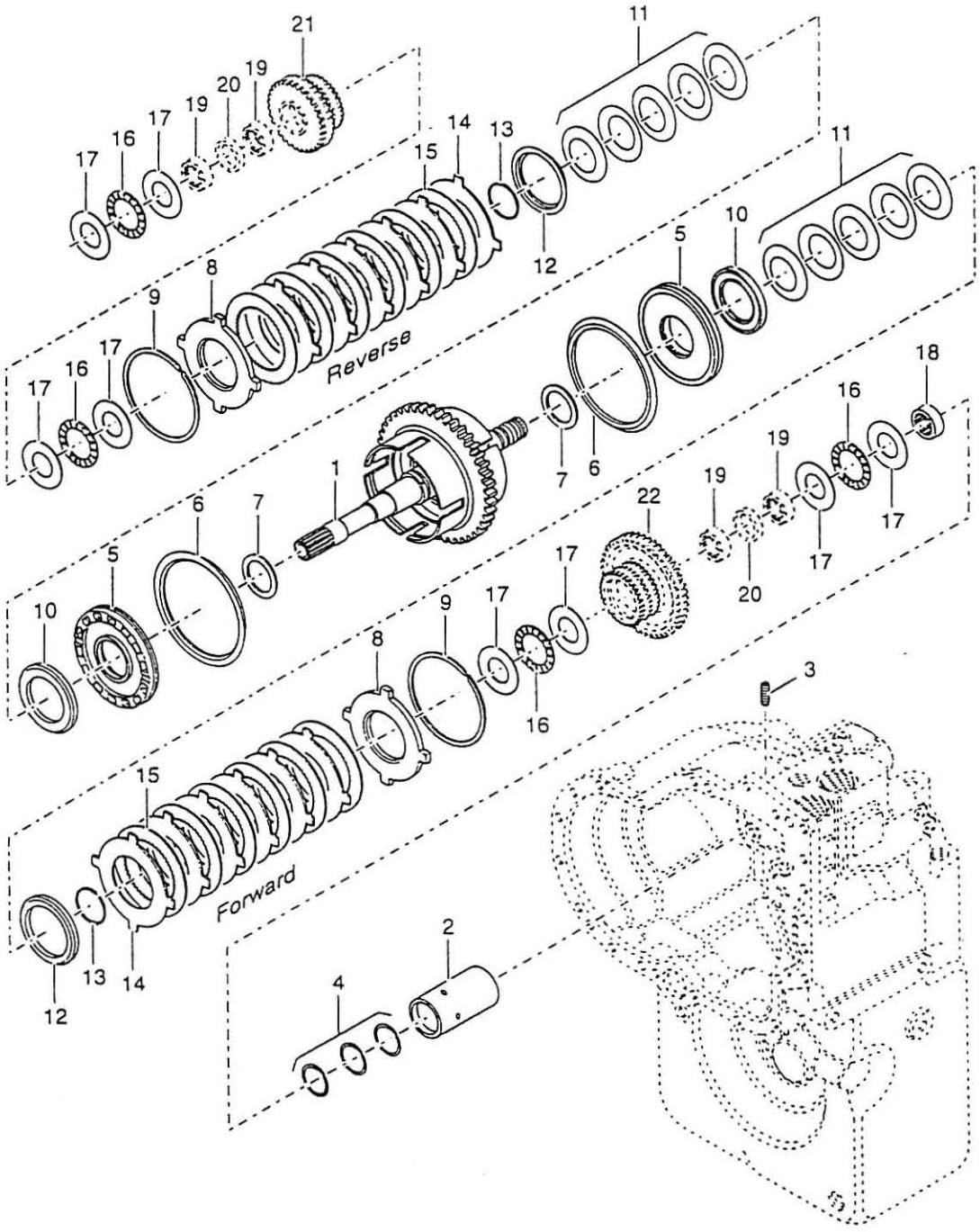
6	PAGE NUMBER	CHARGING PUMP GROUP T12000 TRANSMISSION / TH528C SS-636C SS-644C SS-842C	DRAWING NUMBER	P1-1266

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



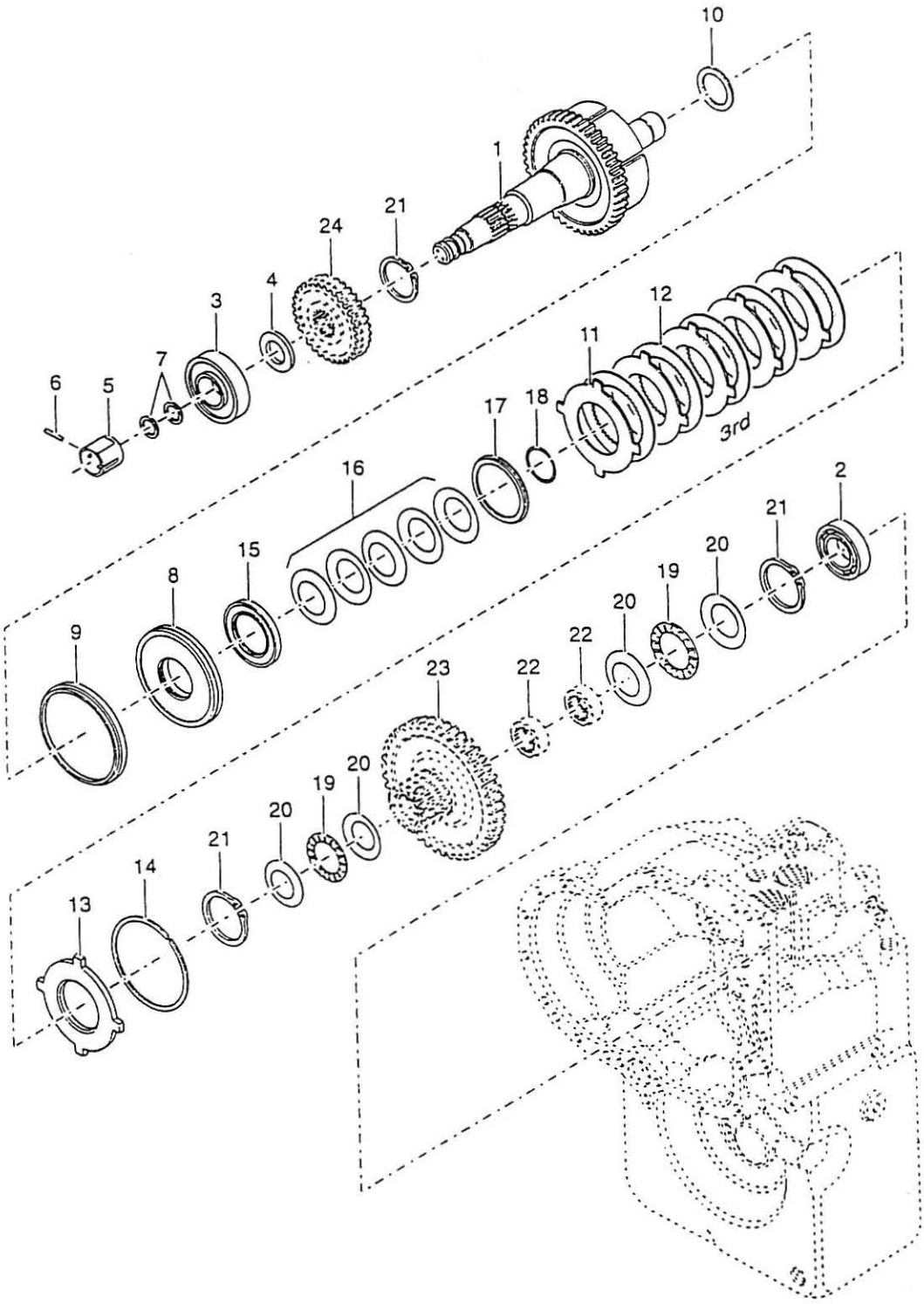
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-457	IDLER & PILOT SHAFT	1
2	7-126-458	IDLER SHAFT SNAP RING	1
3	7-126-459	REVERSE IDLER GEAR BEARING	1
4	7-126-460	THRUST WASHER	1
5	7-126-461	END PLATE	1
6	7-126-462	CAPSCREW	1
7	7-126-463	WASHER	1
8	7-126-464	ROLL PIN	1
9	7-126-431	REVERSE IDLER GEAR	1

NOTES



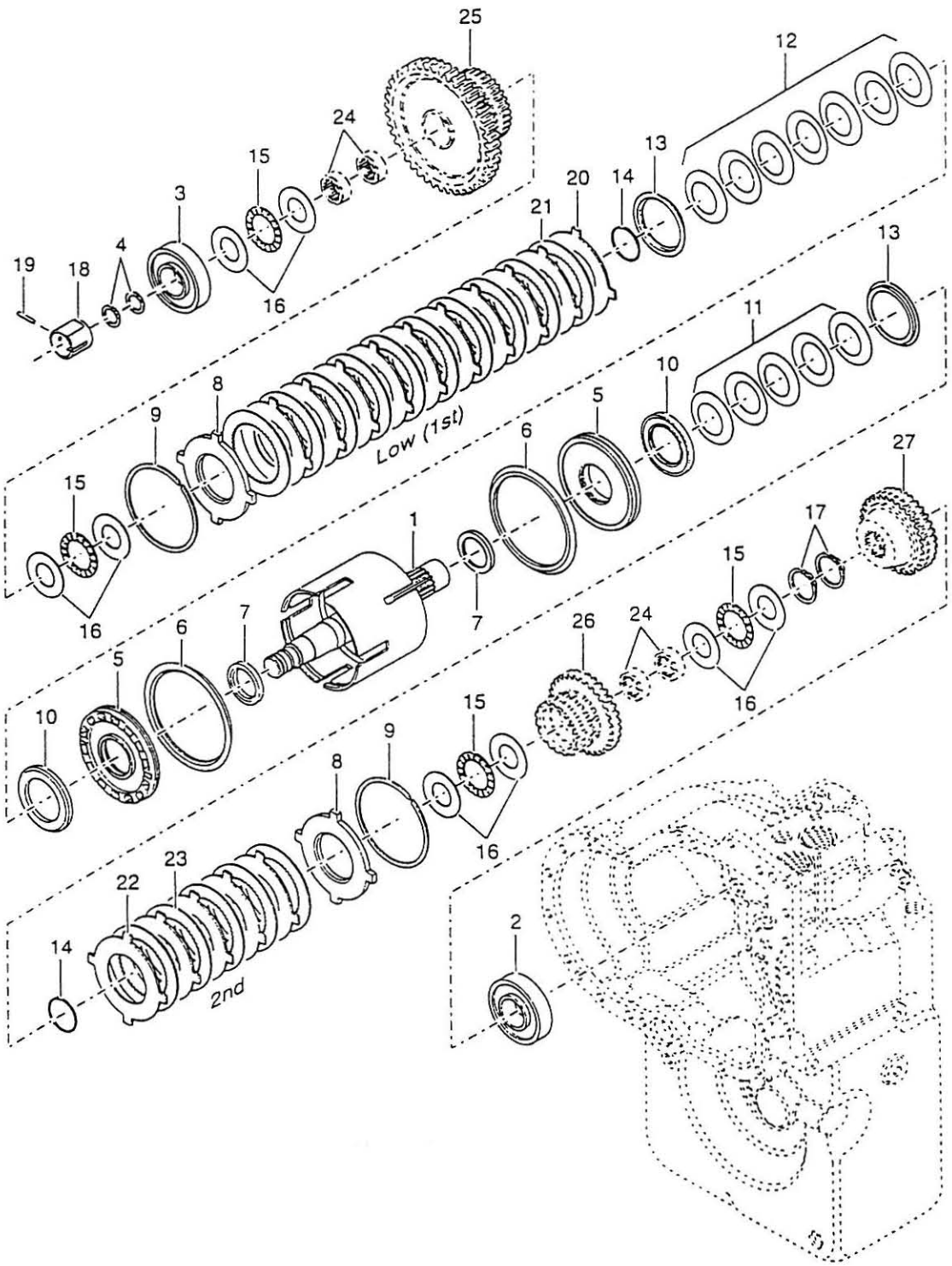
PAGE NUMBER	FORWARD & REVERSE SHAFT GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER
8		P1-1251

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

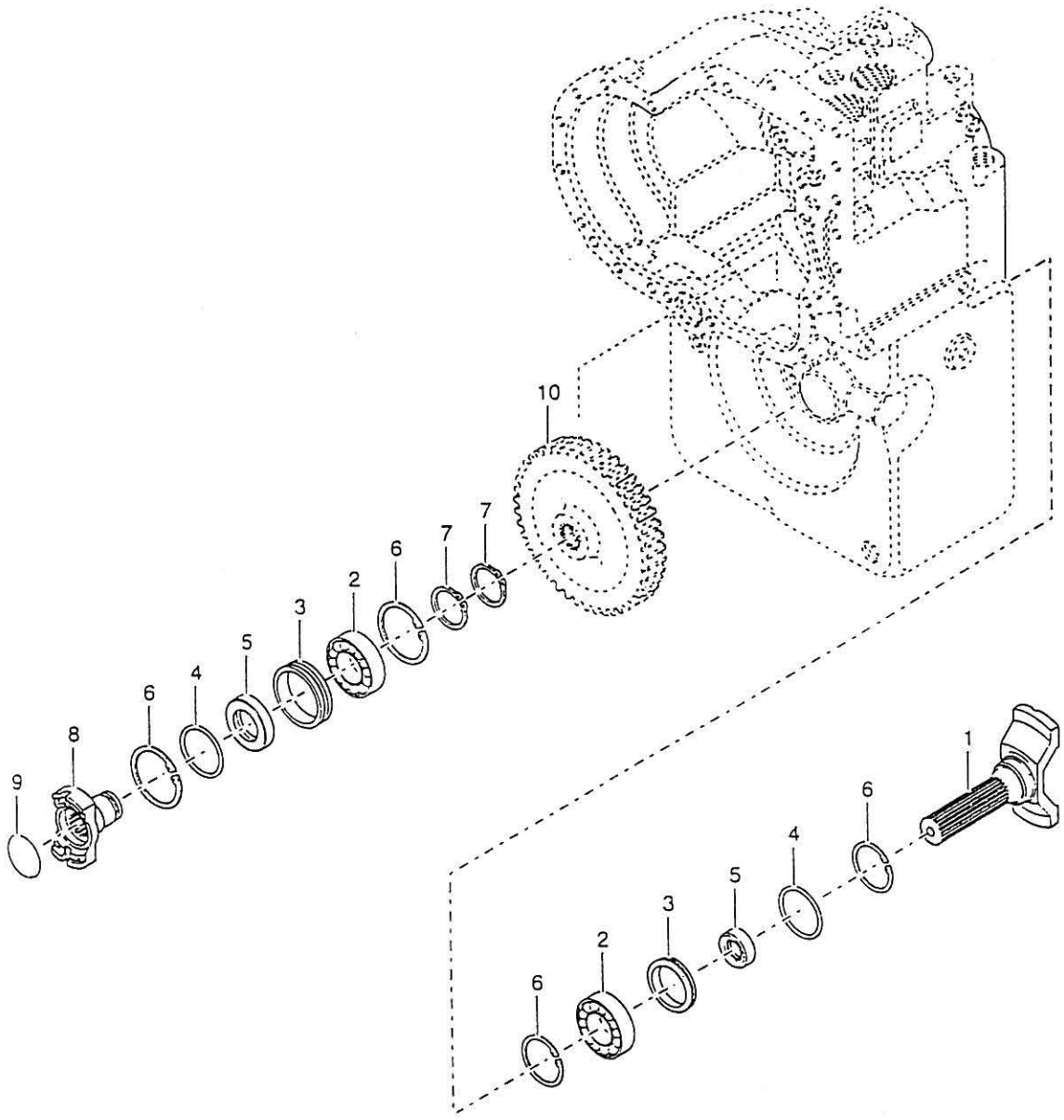


9 PAGE NUMBER	3rd SHAFT GROUP T12000 SERIES TRANSMISSION		DRAWING NUMBER	P1-1252

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

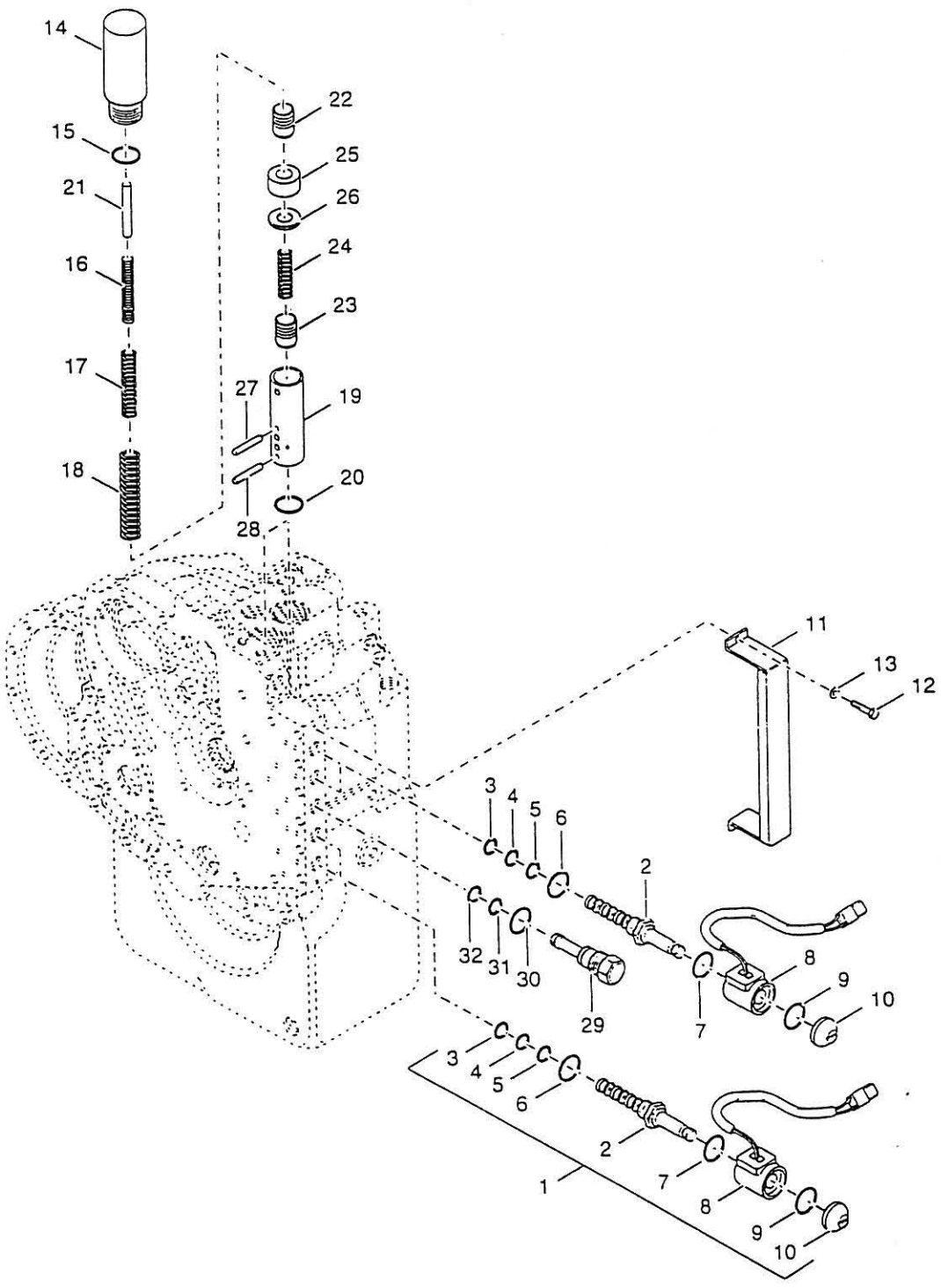

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-493	1st & 2nd SHAFT, DRUM, PLUG, & SEAT ASSY	1
2	7-126-494	ROLLER BEARING	1
3	7-126-485	BEARING & SEAL ASSY	1
4	7-126-468	PISTON RING	2
5	7-126-495	PISTON & SEALS ASSY (INCL. ITEMS 6 & 7)	2
6	7-126-470	OUTER CLUTCH 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



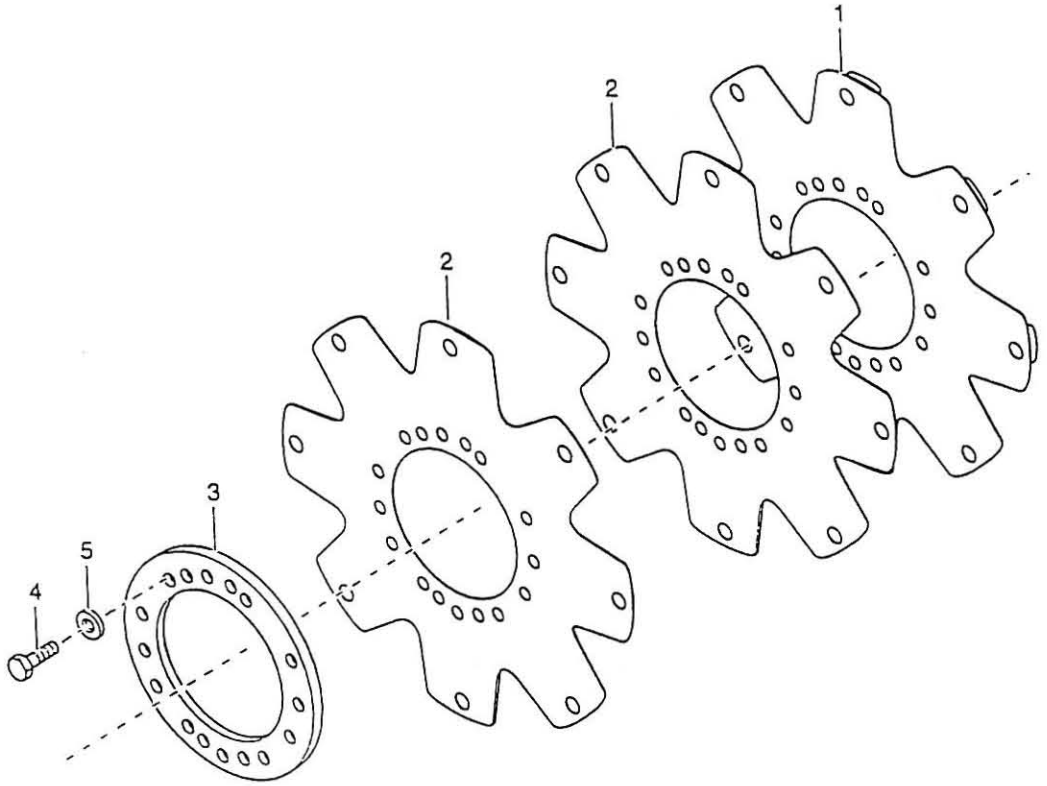
11	PAGE NUMBER	OUTPUT SHAFT GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1254

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



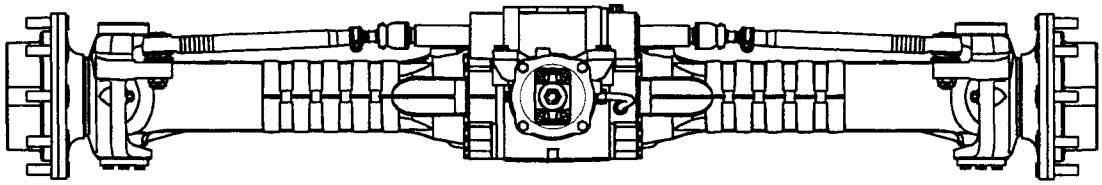
12 PAGE NUMBER	ELECTRIC CONTROL GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER P1-1255

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



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

FRONT AXLE
PARTS BOOK
TH636C TH644C TH842C TH844C



DATE: 11-14-00

SPICER CLARK-HURTH 212/239 AXLE

7-229-619 STEERING CYLINDER

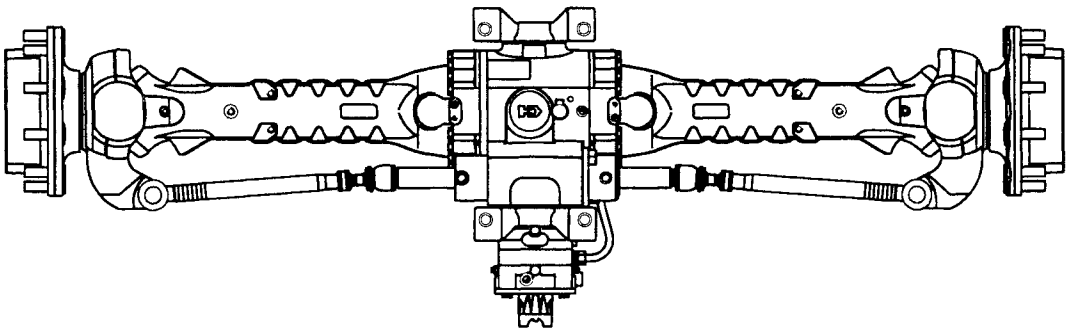
DIFFERENTIAL LOCK

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

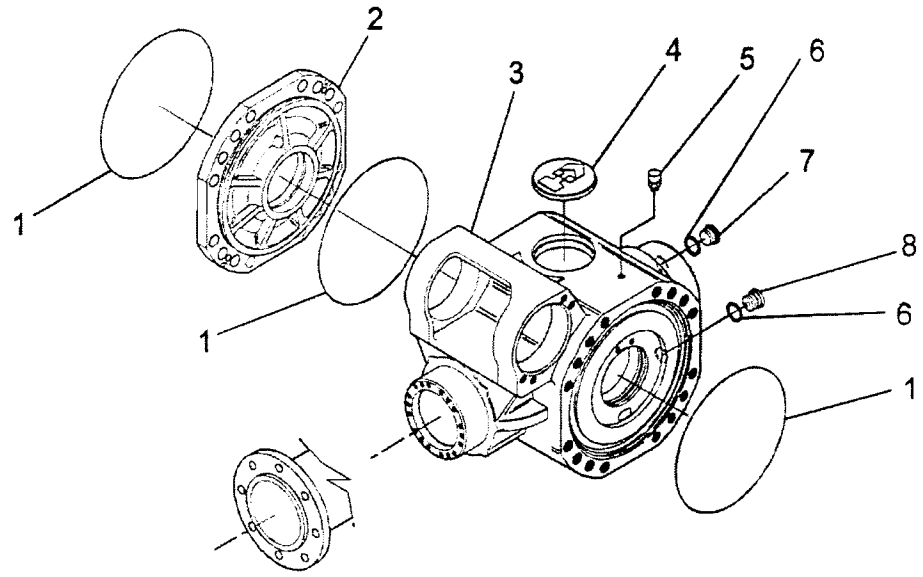
WHEN ORDERING FROM THIS BOOK USE THE
FIGURE BELOW AS A REFERENCE IN DETERMINING
LEFT OR RIGHT HAND SIDE

R.H. L.H.

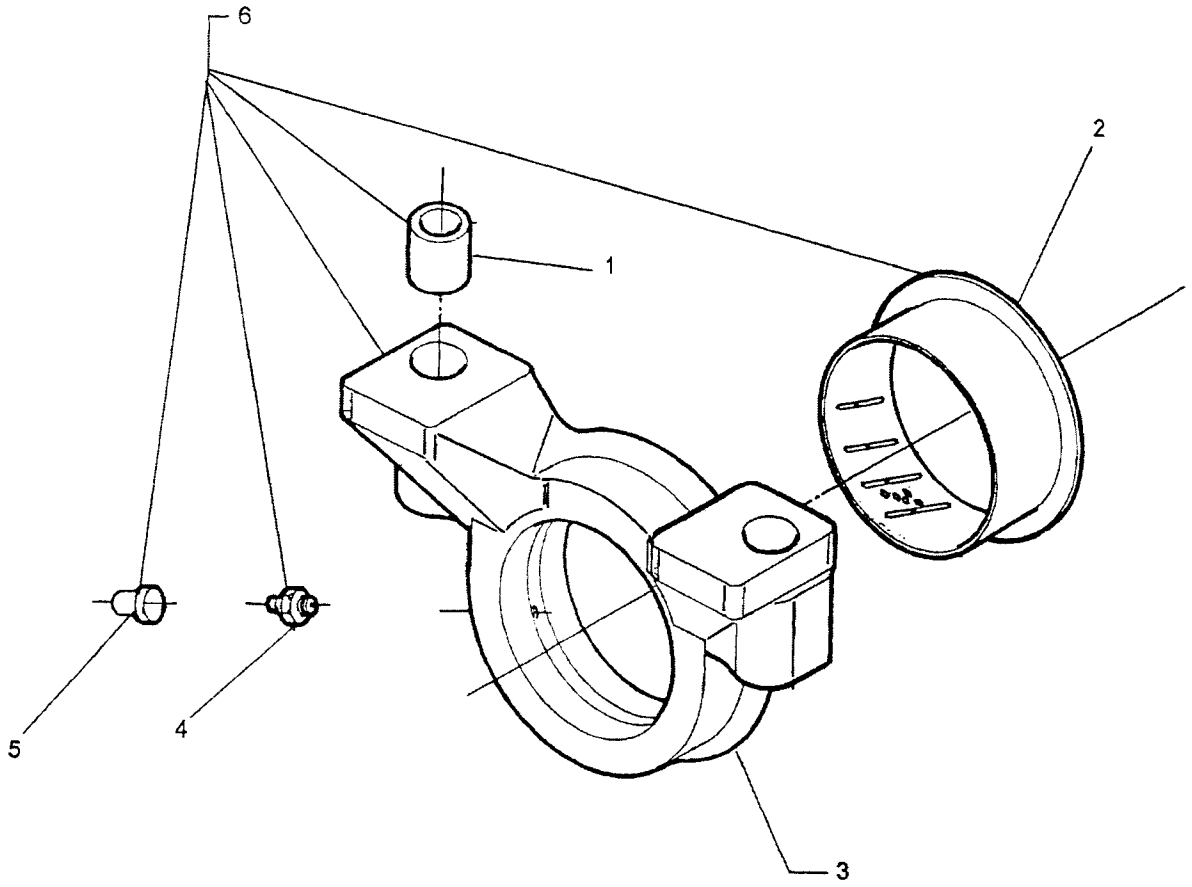


INDEX

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

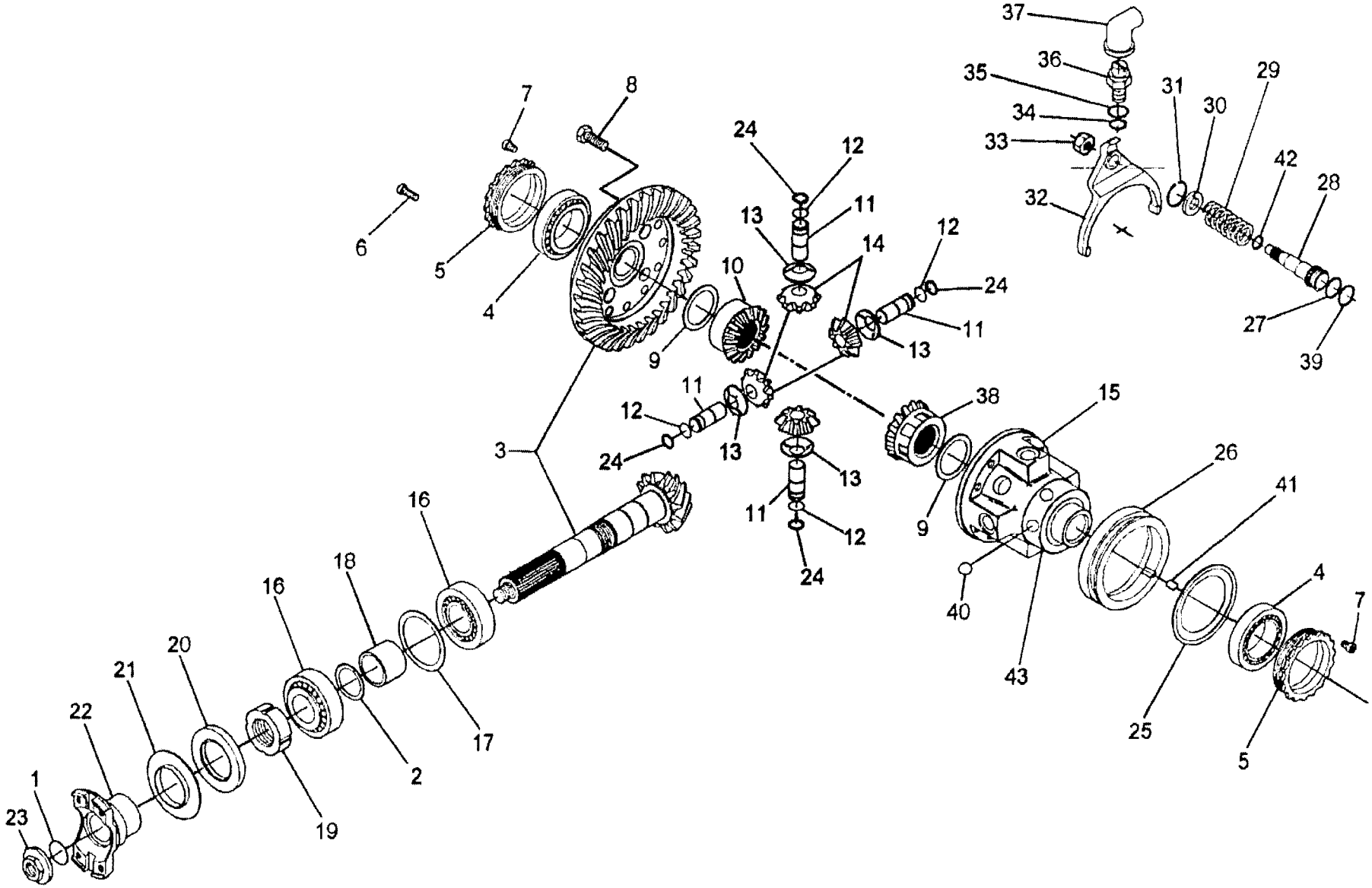


ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-620	REDUCTION BUSHING	4
2	7-229-621	THRUST BUSHING	2
3	7-229-622	SUPPORT	2
4	7-229-572	GREASE FITTING	2
5	7-229-571	PLUG	2
6	7-229-735	SUPPORT ASSEMBLY (INCL. ITEMS 1-5)	2

PAGE NUMBER 3

DIFFERENTIAL ASSEMBLY
TH636C-TH644C-TH842C-TH844C FRONT AXLE

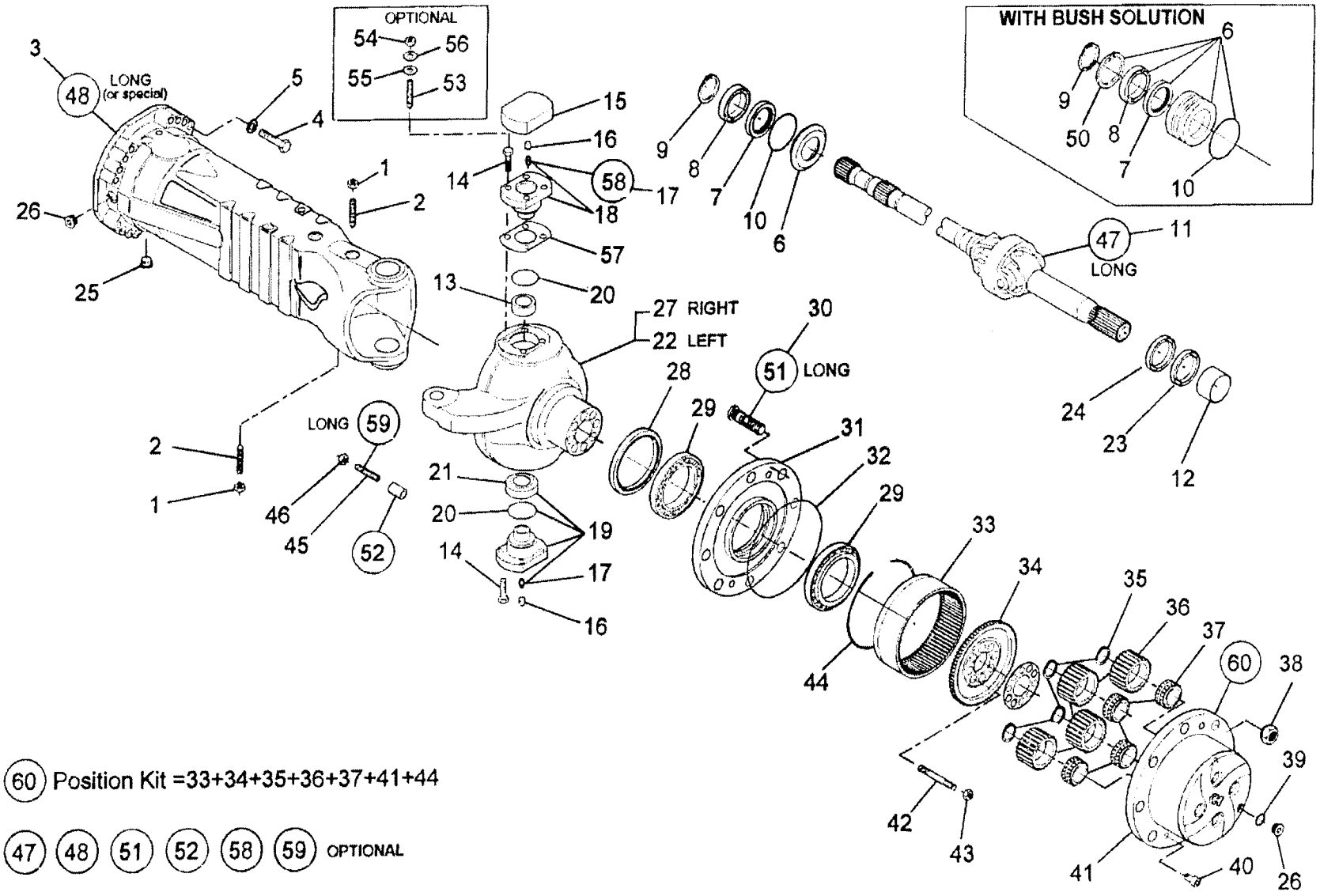
DRAWING NUMBER P1-1396



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



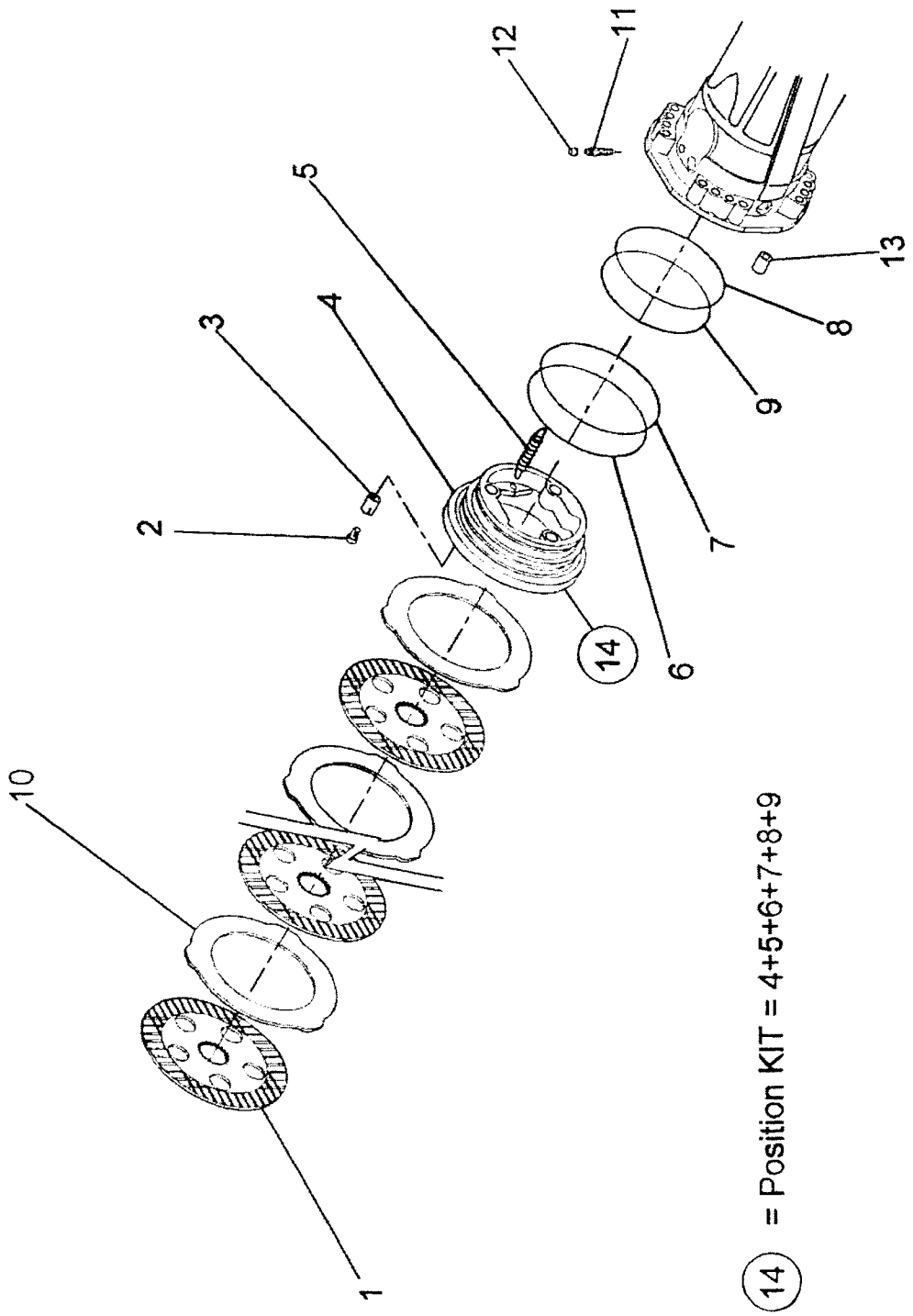
60 Position Kit =33+34+35+36+37+41+44

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

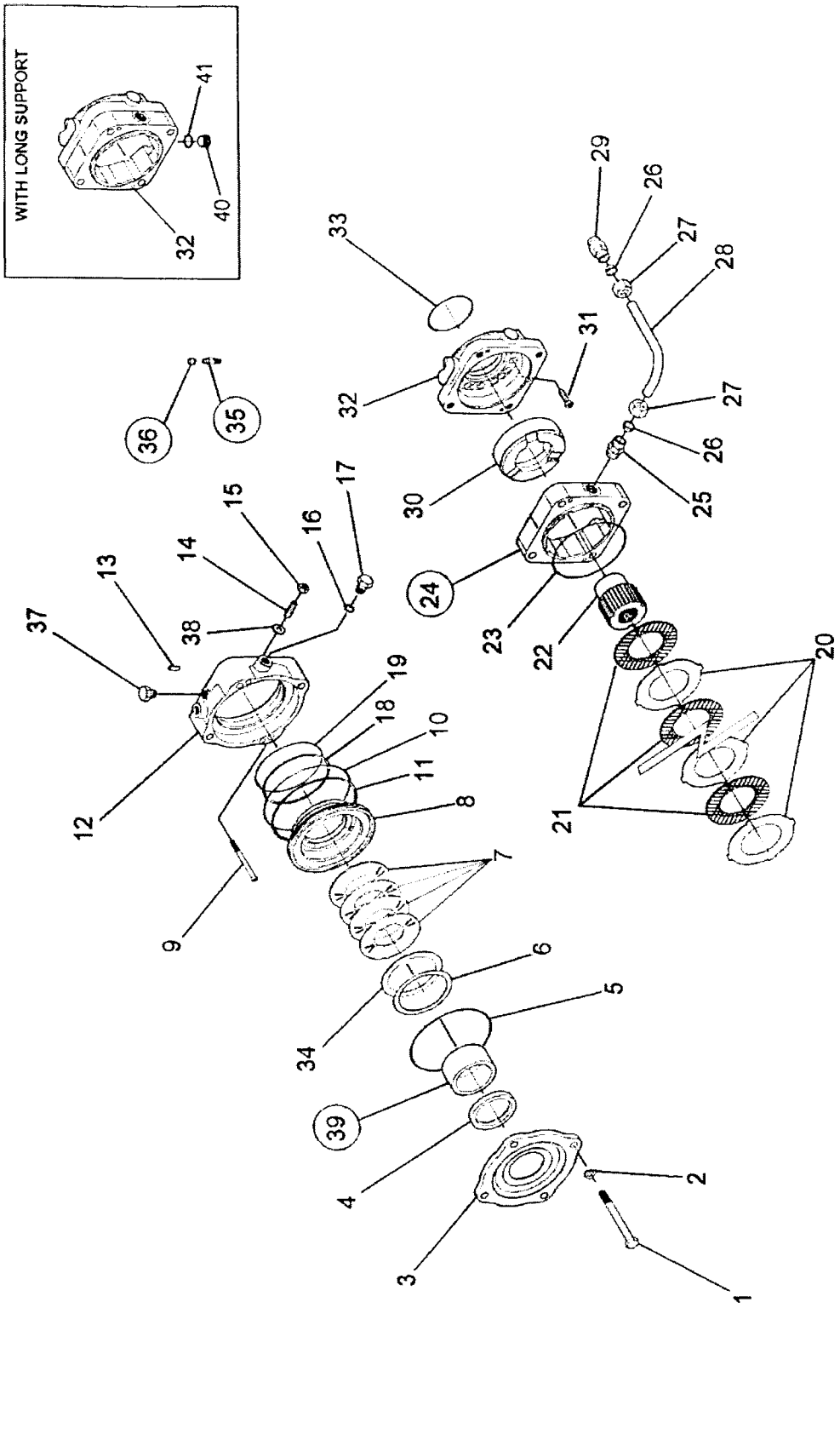
ITEM	NUMBER	DESCRIPTION	REQD
51			
52			
53			
54			
55			
56			
57		SHIM / SEE ITEMS 61-63 BELOW	
58			
59			
60	7-229-683	PLANET GEAR CARRIER ASSY(ITEMS 33-37,41,44)	2
61	7-229-602	SHIM / 0.15mm	AR
62	7-229-603	SHIM / 0.20mm	AR
63	7-229-604	SHIM / 0.50mm	AR

NOTES



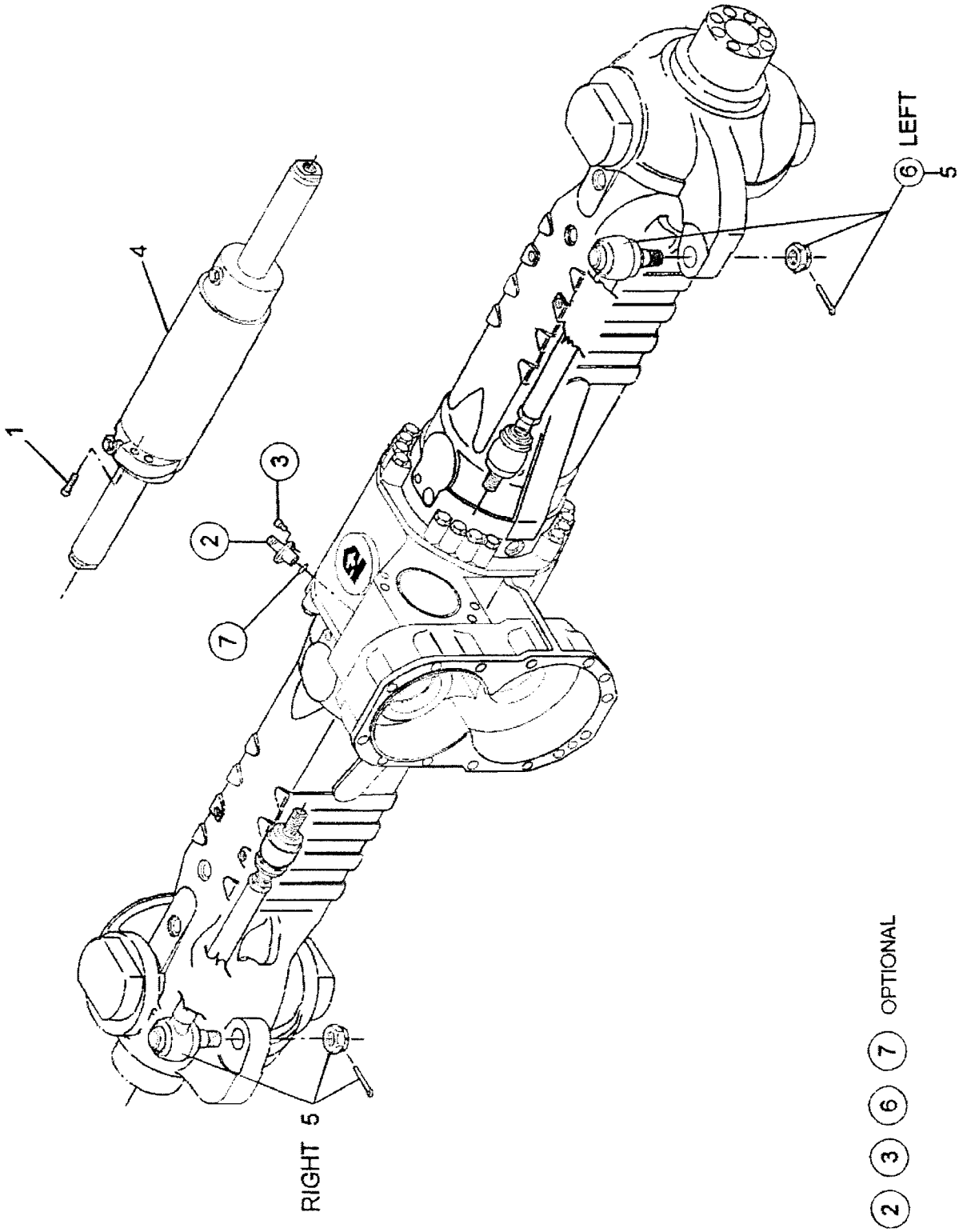
5 PAGE NUMBER	DISC BRAKE ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER P1-1267

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



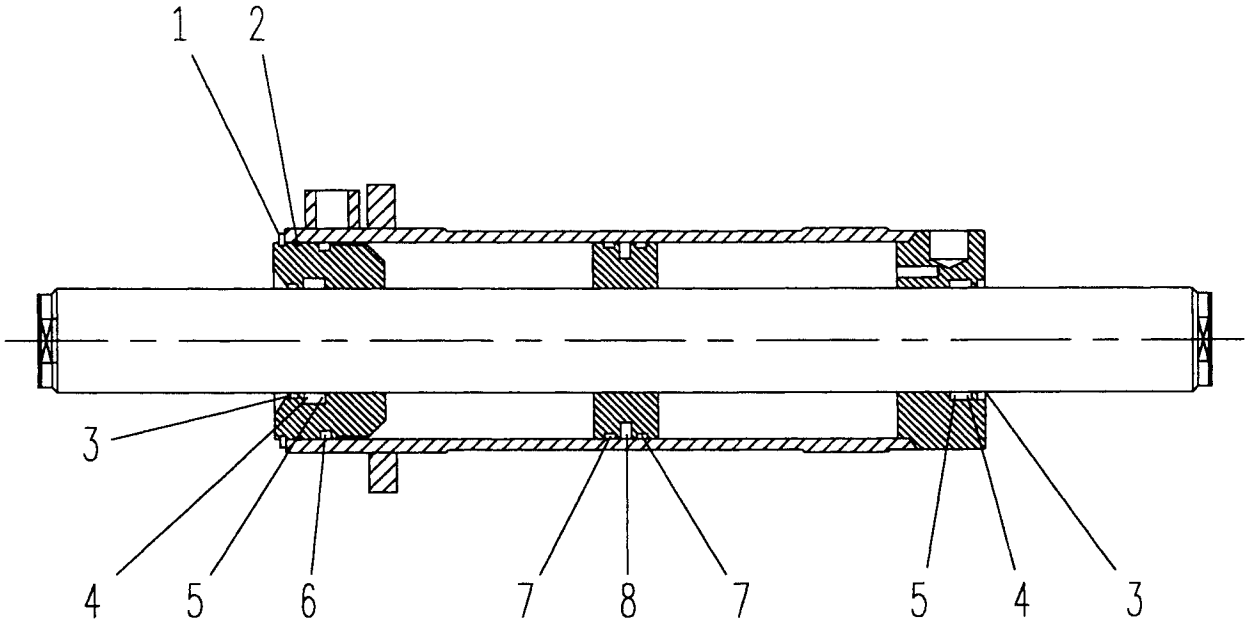
6	PAGE NUMBER	PARKING BRAKE ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER	P1-1298

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



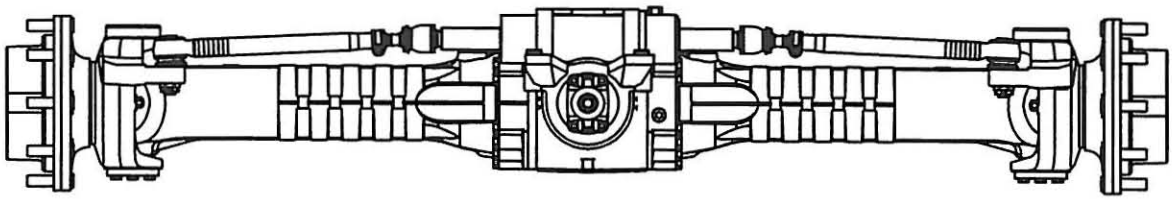
7	PAGE NUMBER	STEERING ARMS ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER	P1-1268

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

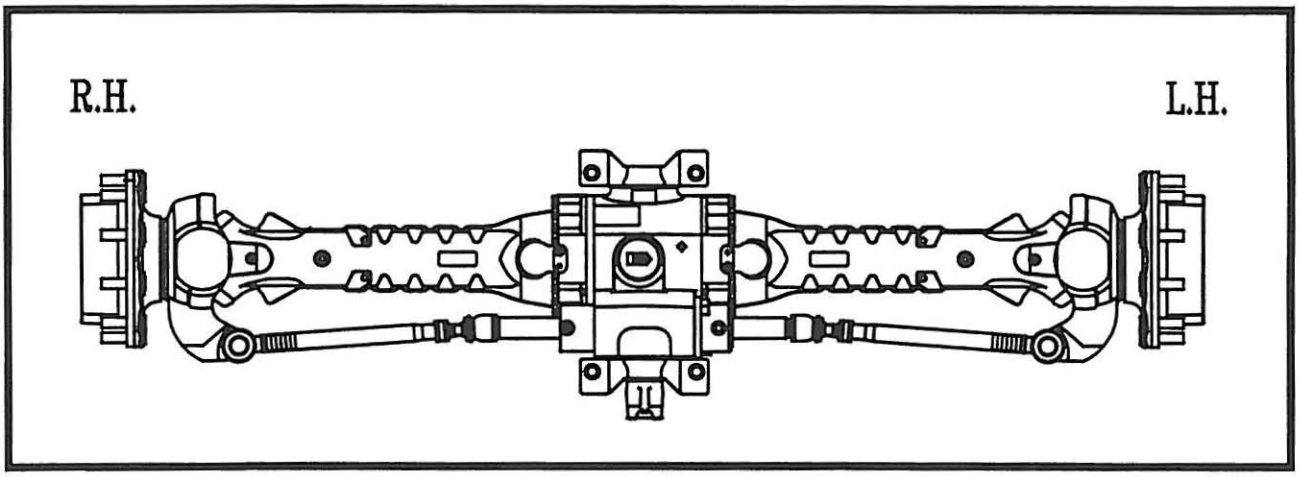
SPICER CLARK-HURTH 212/184 AXLE

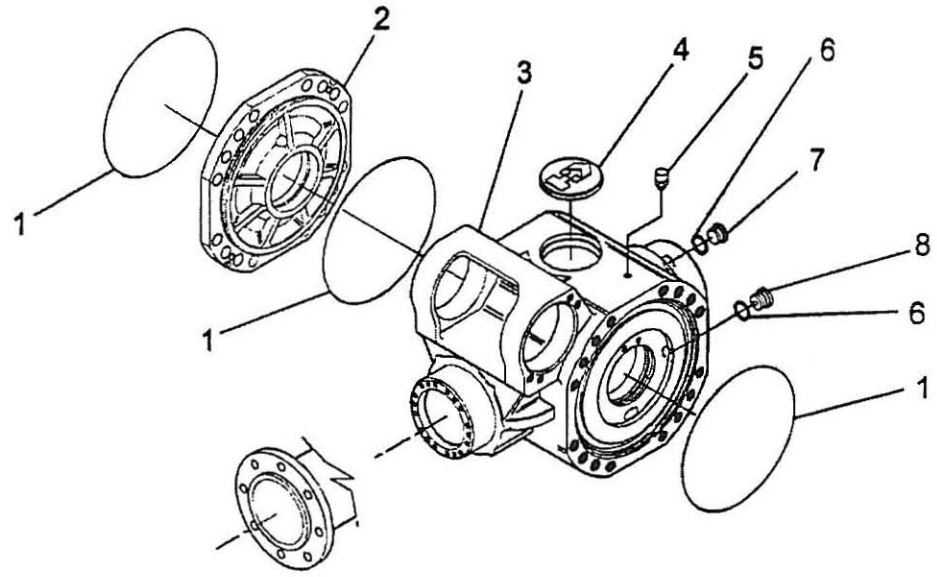
7-229-619 STEERING CYLINDER

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PH: (906) 353-6675; FAX: (906) 353-7543
INTERNET: http://www.sqshooter.com

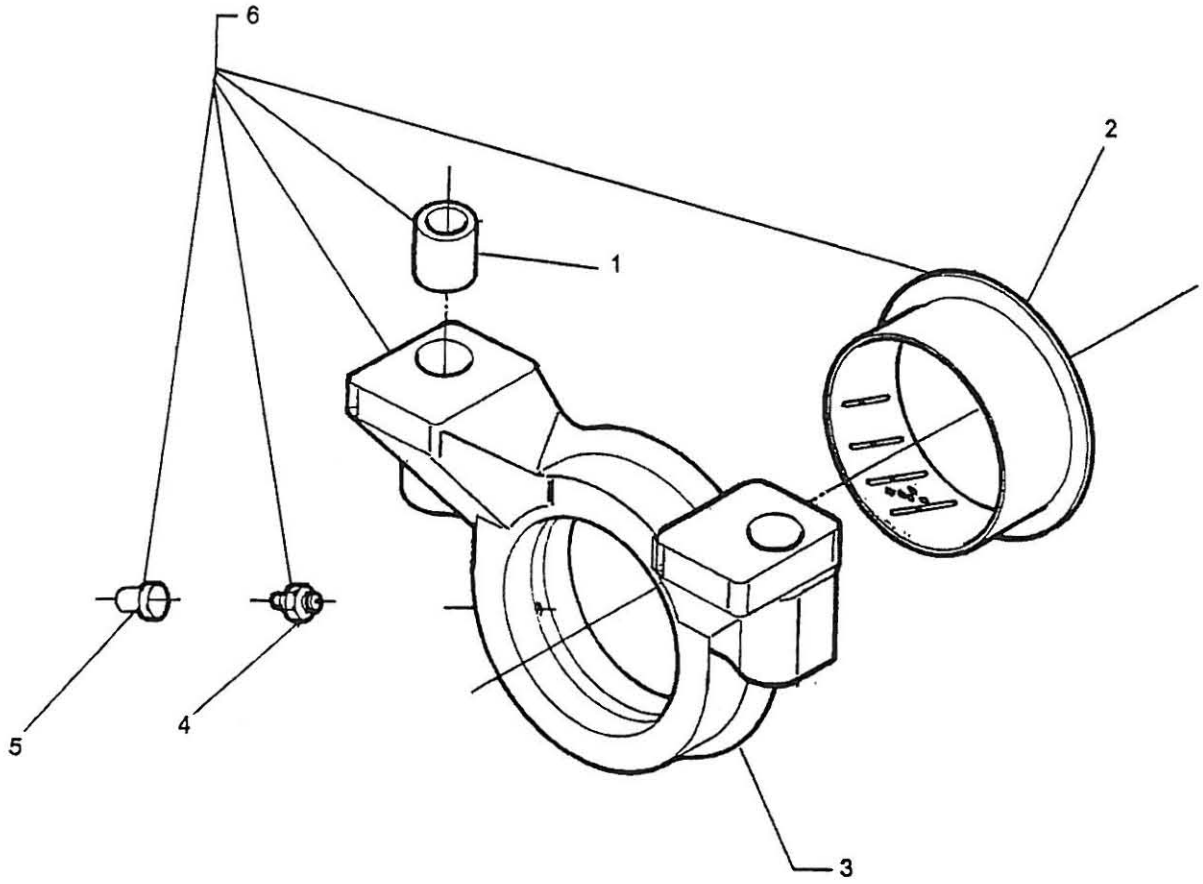
AXLE PARTS ORDERING GUIDE

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LEFT OR RIGHT HAND SIDE

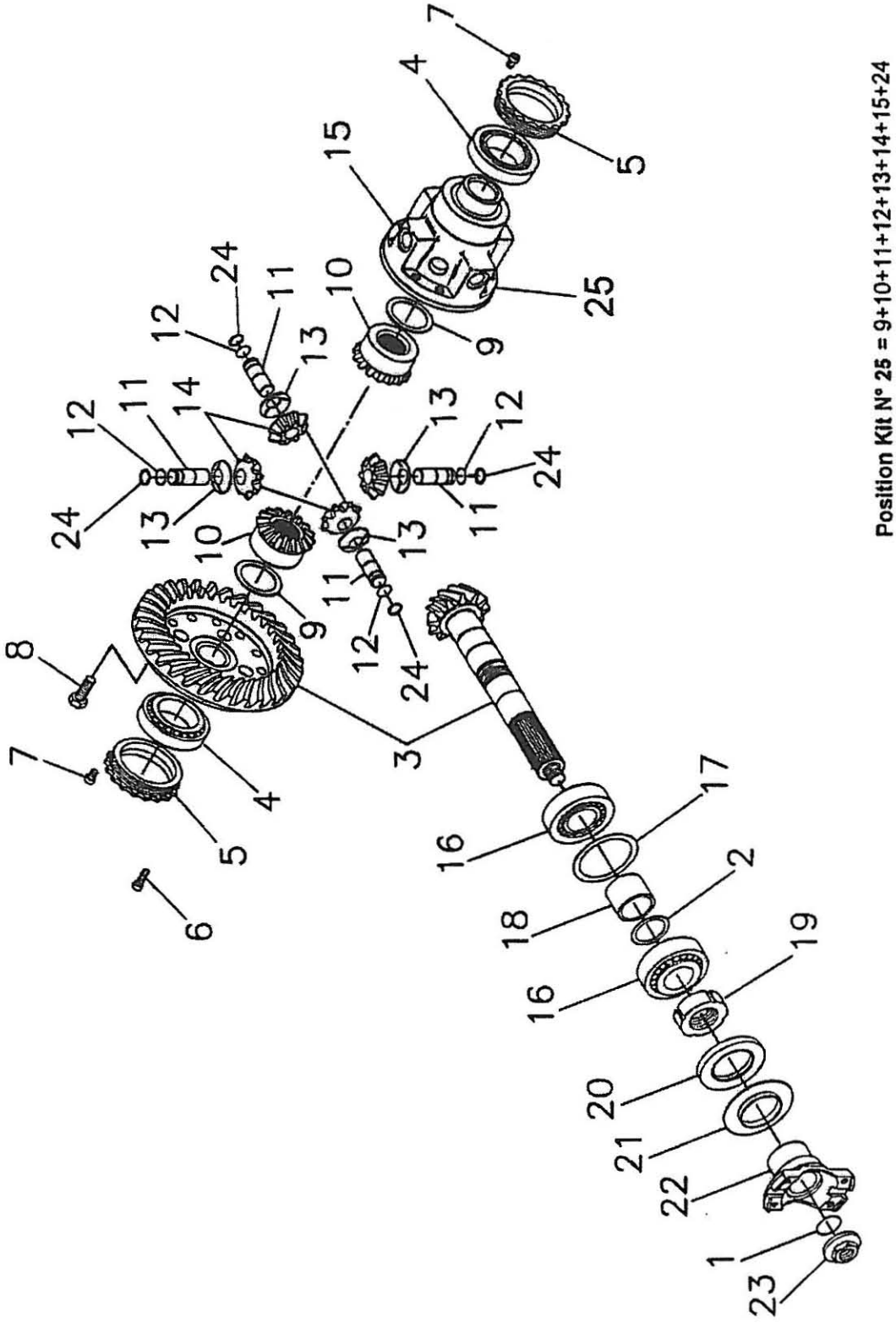




ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-520	O-RING	3
2	7-229-521	INTERMEDIATE COVER	1
3	7-229-522	HOUSING	1
4	7-229-523	PLUG	1
5	7-229-524	VENT	1
6	7-229-525	SEAL WASHER	2
7	7-229-526	PLUG	1
8	7-229-527	MAGNETIC PLUG	1



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



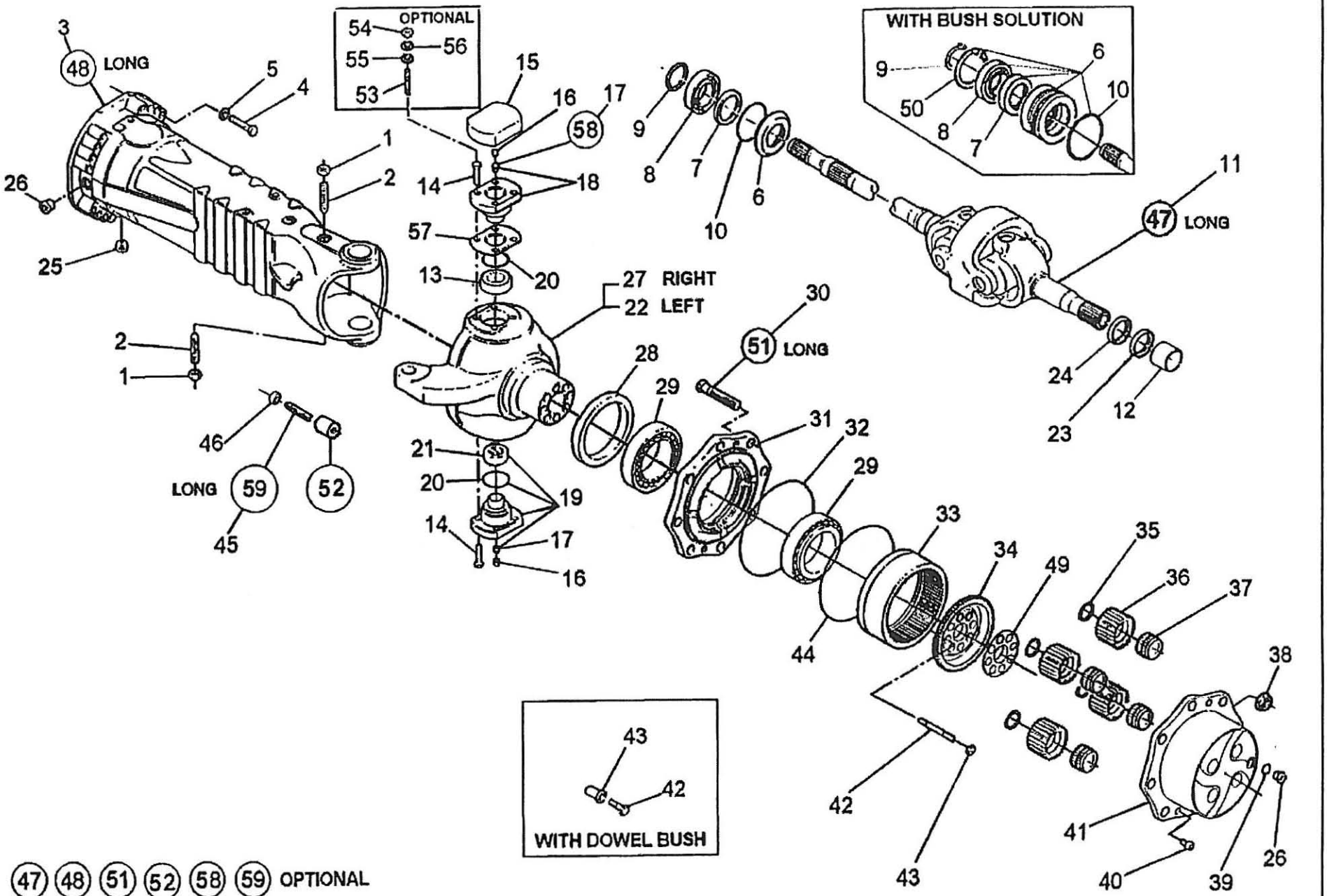
3	PAGE NUMBER	DIFFERENTIAL ASSEMBLY SS-636C, SS-644C, & SS-842C REAR AXLE	DRAWING NUMBER	P1-1259

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

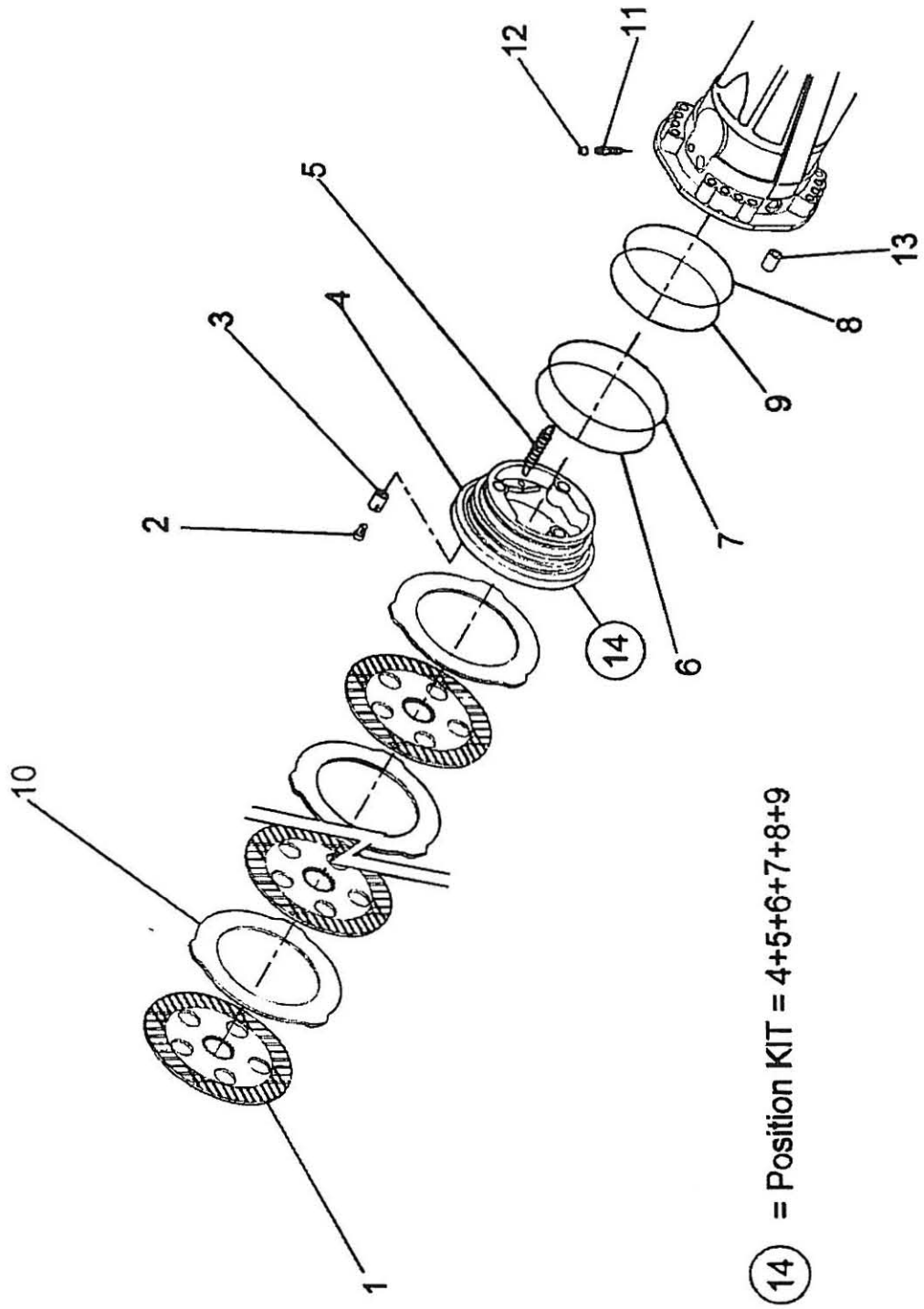
DRAWING NUMBER P1-1260



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

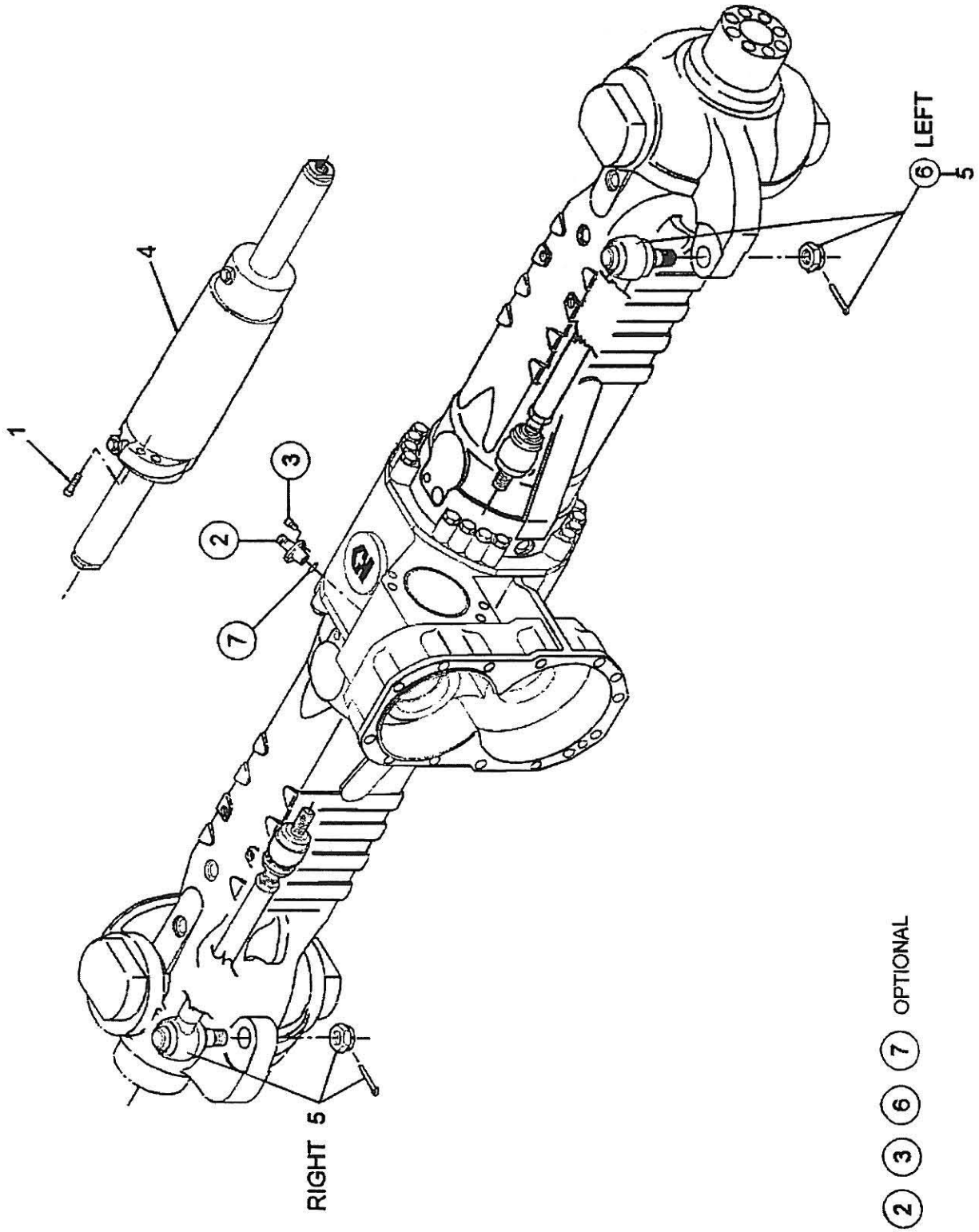
ITEM	NUMBER	DESCRIPTION	REQD
51			
52			
53			
54			
55			
56			
57		SHIM / SEE ITEMS 58-60 BELOW	
58	7-229-602	SHIM / 0.15mm	AR
59	7-229-603	SHIM / 0.20mm	AR
60	7-229-604	SHIM / 0.50mm	AR

NOTES



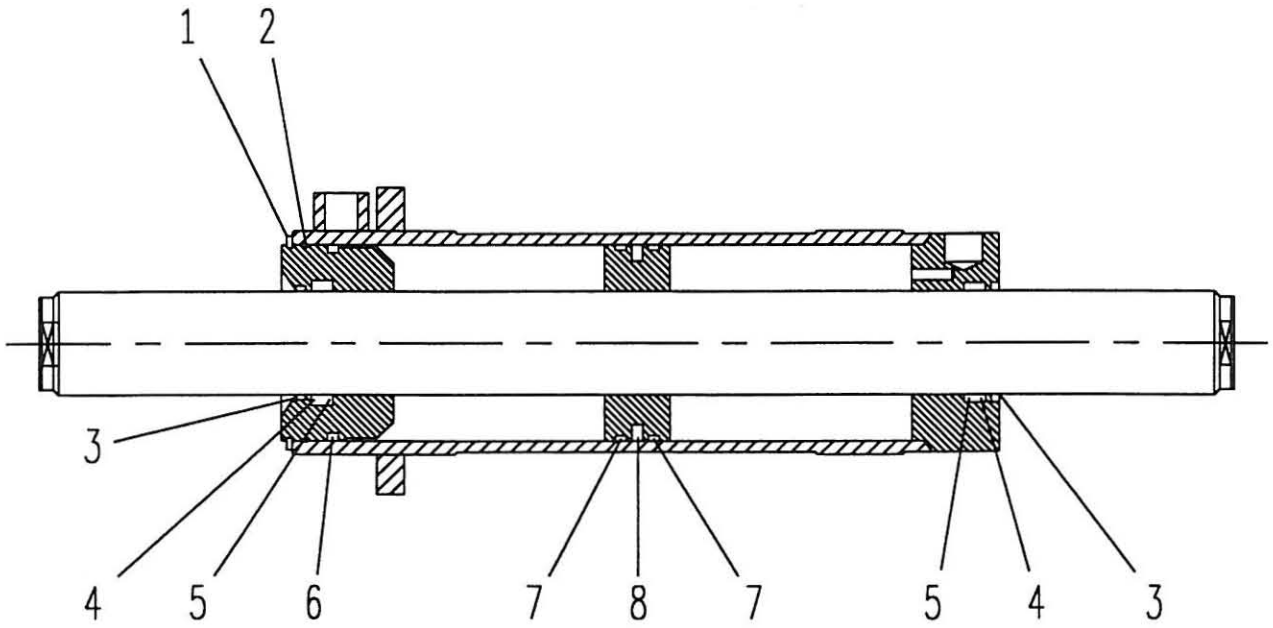
5 PAGE NUMBER	DISC BRAKE ASSEMBLY SS-636C, SS-644C, & SS-842C REAR AXLE	DRAWING NUMBER	P1-1267

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