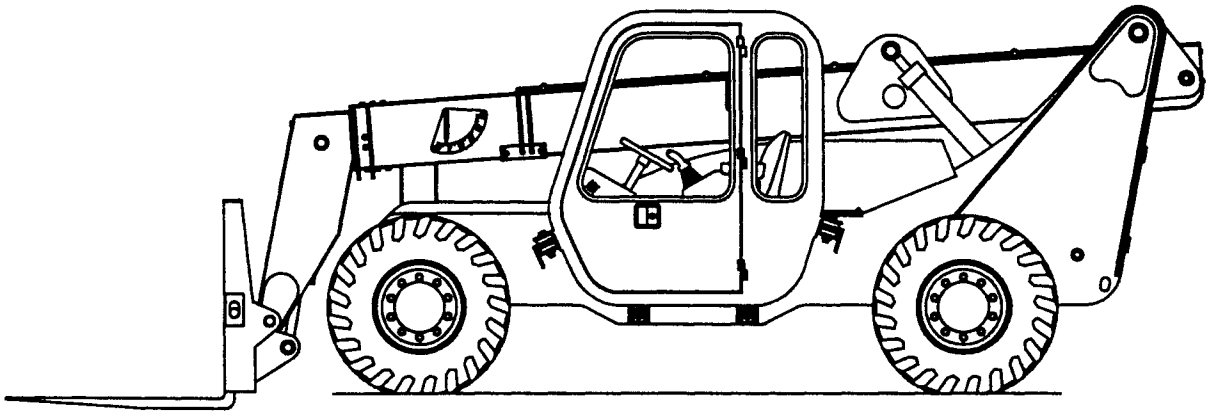
236101

PARTS BOOK
TH528



DATE: 9-3-99

CUMMINS B3.9-C-80 ENGINE

CLARK T12000 SERIES TRANSMISSION

CARRARO 26.25M AXLES

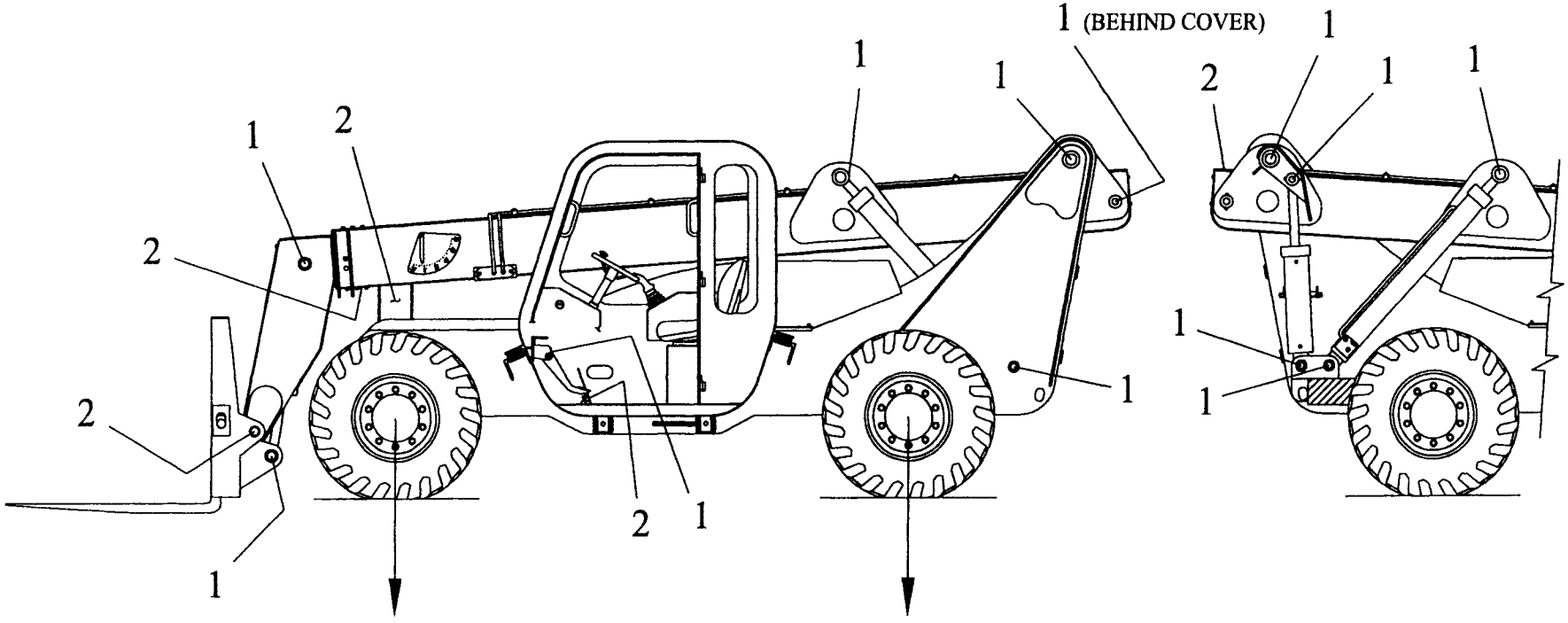
7-316 HYDRAULIC CYLINDERS

Serial Number:_____

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

INDEX / STANDARD EQUIPMENT
TH528

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30	CIRCUIT / OIL COOLER	P4-1857
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33	BATTERY BOX ASSEMBLY	P4-1855
34	LIFT CYLINDER	P4-2026
35	TILT CYLINDER	P4-2023
36	BOOM CYLINDER	P4-2022
37	SWAY CYLINDER	P4-2025
38	SLAVE CYLINDER	P4-2024
39	DRIVESHAFT ASSEMBLY / 5C / FRT. & REAR	P1-1262
40	ELECTRIC 4-WAY VALVE / 7-244-31	P3-1178
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43	RETURN FILTER ASSEMBLY / 7-256-23	P1-1060
44	BRAKE VALVE ASSEMBLY	P1-1069
45	HYDRAULIC GEAR PUMP ASSEMBLY	P4-2027
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47	MAIN VALVE ASSEMBLY / 7-370-02	P3-1418
48	4-WAY CONTROLLER ASSEMBLY / 7-358-03	P1-1280



EXPLODED VIEW OF POWER TRAIN ASSEMBLY

EXPLODED VIEW OF FRONT AND REAR AXLE ASSEMBLIES

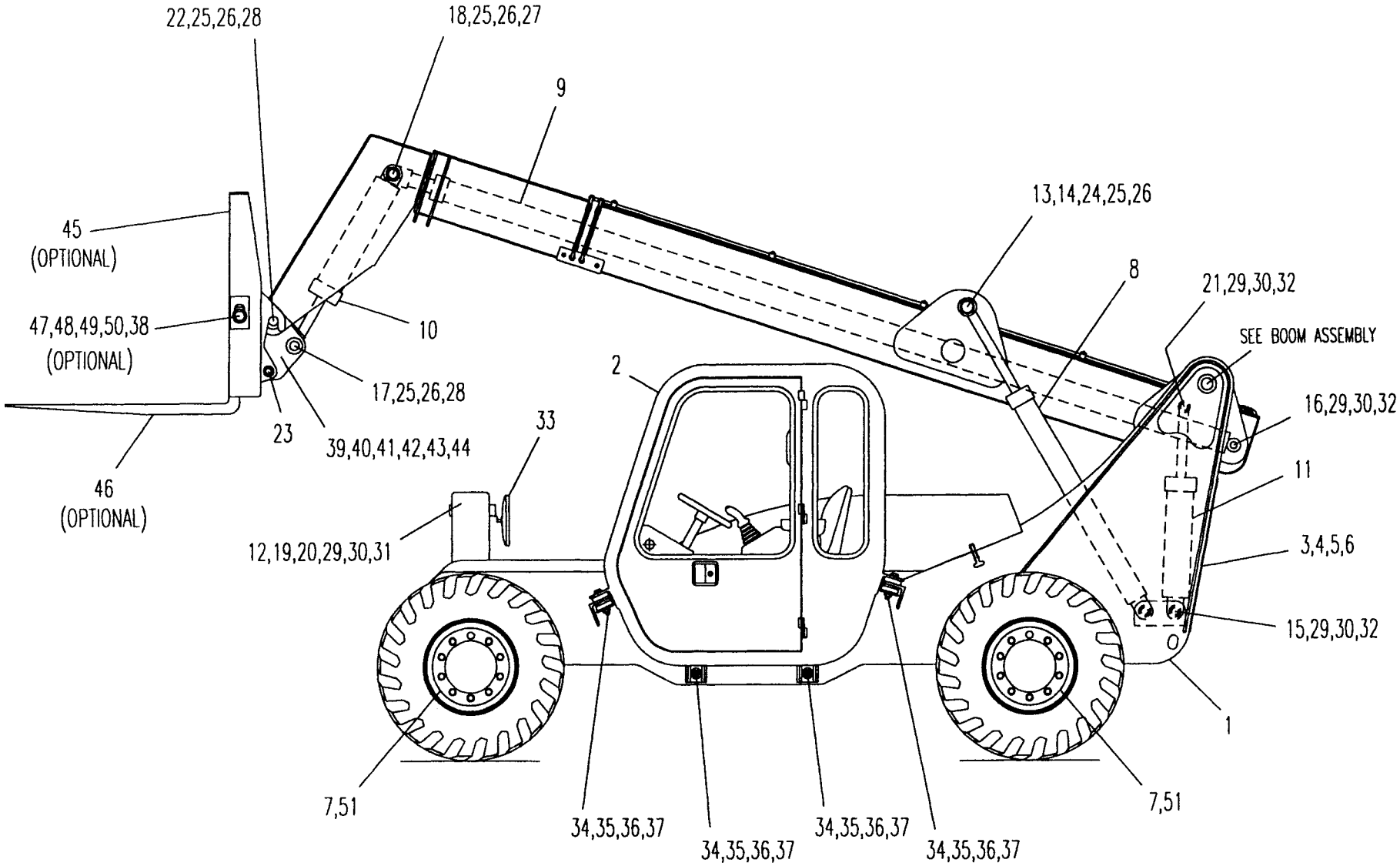
MANUFACTURER PART NUMBER	NUMBER	DESCRIPTION	SEAL KIT
PPDB-LNN	7-234-13	CARTRIDGE / REDUCING RELIEVING	7-234-29
PBFB-FAN	7-234-15	CARTRIDGE / REDUCING	7-234-30
CXDA-XCN	7-234-80	CARTRIDGE / CHECK	7-234-31
CKCD-XCN	7-234-18	CARTRIDGE / PILOT CHECK	7-234-29
CAEA-LHN	7-234-53	CARTRIDGE / COUNTERBALANCE	7-234-30
CKED-XCN	7-234-55	CARTRIDGE / PILOT CHECK	7-234-30
12C25S	7-244-08	CARTRIDGE / DROP BLOCK	7-244-46
12C51SM	7-244-42	CARTRIDGE / ELECTRIC / CONTROLLER	7-244-41
RV10-22A-O-N-25	7-356-11	CARTRIDGE / RELIEF VALVE / GEAR PUMP	7-356-12
MR10-31-O-N-OO	7-356-13	CARTRIDGE / PARKING BRAKE VALVE	7-356-14
	7-316-194	CYLINDER / SWAY	7-900-76
	7-316-195	CYLINDER / LIFT	7-900-72
	7-316-192	CYLINDER / TILT	7-900-74
	7-316-191	CYLINDER / BOOM	7-900-73
	7-316-193	CYLINDER / SLAVE	7-900-75
	7-379-01	CYLINDER / FORK FRAME ROTATE	7-900-86
	7-368-11	CYLINDER / STEERING	7-368-12
	7-198-39	BRAKE ACTUATOR	7-198-40
	7-256-30	ORBITRAL / STEERING	7-256-35

SS-644C FILTER GUIDE

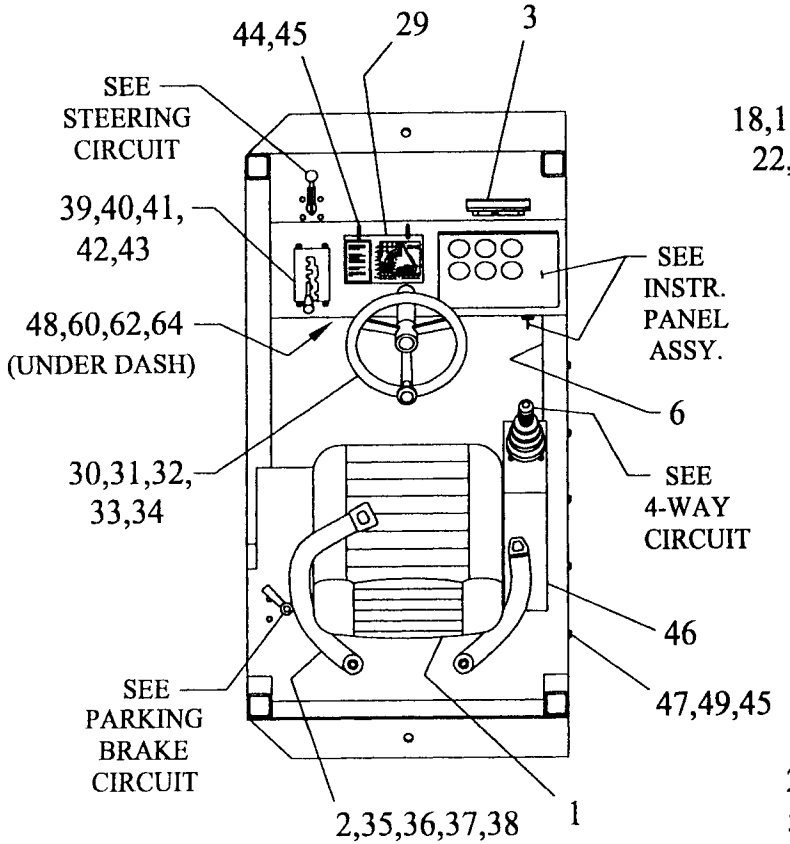
DESCRIPTION	PART NO.	APPLICATION
1. HYDRAULIC RETURN FILTER ELEMENT	7-256-05	TH528
2. ENGINE OIL FILTER / CUMMINS	7-343-08	TH528
3. ENGINE FUEL FILTER	7-343-09	TH528
4. ENGINE FUEL / WATER SEPARATOR	7-343-10	TH528
5. AIR CLEANER ELEMENT	7-135-07	TH528
6. TRANSMISSION OIL FILTER	7-126-349	TH528
7. FUEL STRAINER / HYDRAULIC RESERVOIR	7-272-05	TH528 w/ 7-264-01 FILLER CAP
8. HYDRAULIC RESERVOIR FILLER-BREATHER	7-272-09	TH528 w/ FILLER-BREATHER

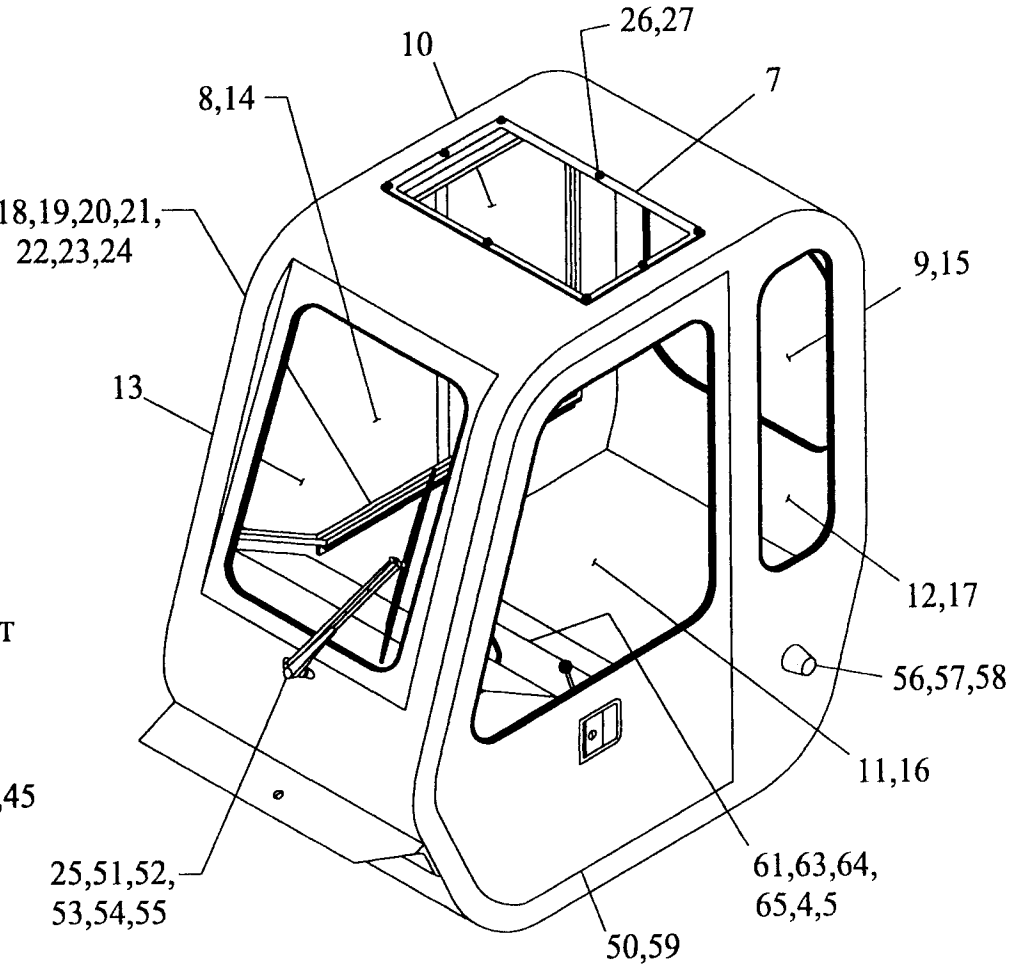
ITEM	NUMBER	DESCRIPTION	REQD
1	4-1392-6	DECAL / TH528	2
2	4-1401-1	DECAL / STEERING SELECTOR (*)	REF
3	4-1401-2	DECAL / DIESEL FUEL (*)	REF
4	4-1401-3	DECAL / HYDRAULIC OIL LEVEL (*)	REF
5	4-1401-6	DECAL / TRANSMISSION CONTROLS (*)	REF
6	4-1401-8	DECAL / TRANSMISSION OIL (*)	REF
7	4-1401-9	DECAL / FUSE 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	2
25	4-1579-9	DECAL / PINCH POINT AREA	9
26	4-1579-10	DECAL / MACHINE STABILITY	4
27	4-1579-11	DECAL / USE THE SEAT BELT	1
28	4-1579-12	DECAL / NO RIDERS	1
29	4-1579-13	DECAL / HYDRAULIC SYSTEM	1
30	7-349-01	DECAL / TEREX CROWN / SMALL	1
31	7-349-02	DECAL / TEREX CROWN / MEDIUM	2
32	7-349-03	DECAL / TEREX CROWN / LARGE	1
33	2-1208	DECAL / BRAKE OFF	1
34	4-1401	FULL DECAL SHT. / ITEMS MARKED (*)	REF

(*) DECALS NOT SOLD SEPARATELY


22,25,26,28
18,25,26,27
9
45
(OPTIONAL)
47,48,49,50,38
(OPTIONAL)
10
17,25,26,28
23
39,40,41,42,43,44
46
(OPTIONAL)
13,14,24,25,26
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21,29,30,32
SEE BOOM ASSEMBLY
16,29,30,32
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11
12,19,20,29,30,31
3,4,5,6
15,29,30,32
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7,51
34,35,36,37
34,35,36,37
34,35,36,37
34,35,36,37
7,51

ITEM	NUMBER	DESCRIPTION	REQD
1	4-1895	MAIN FRAME WELDMENT	1
2	4-1819	CAB WELDMENT	1
3	4-1829	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	7-316-195	CYLINDER / LIFT	2
9	7-316-191	CYLINDER / BOOM	1
10	7-316-192	CYLINDER / TILT	1
11	7-316-193	CYLINDER / SLAVE	1
12	7-316-194	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

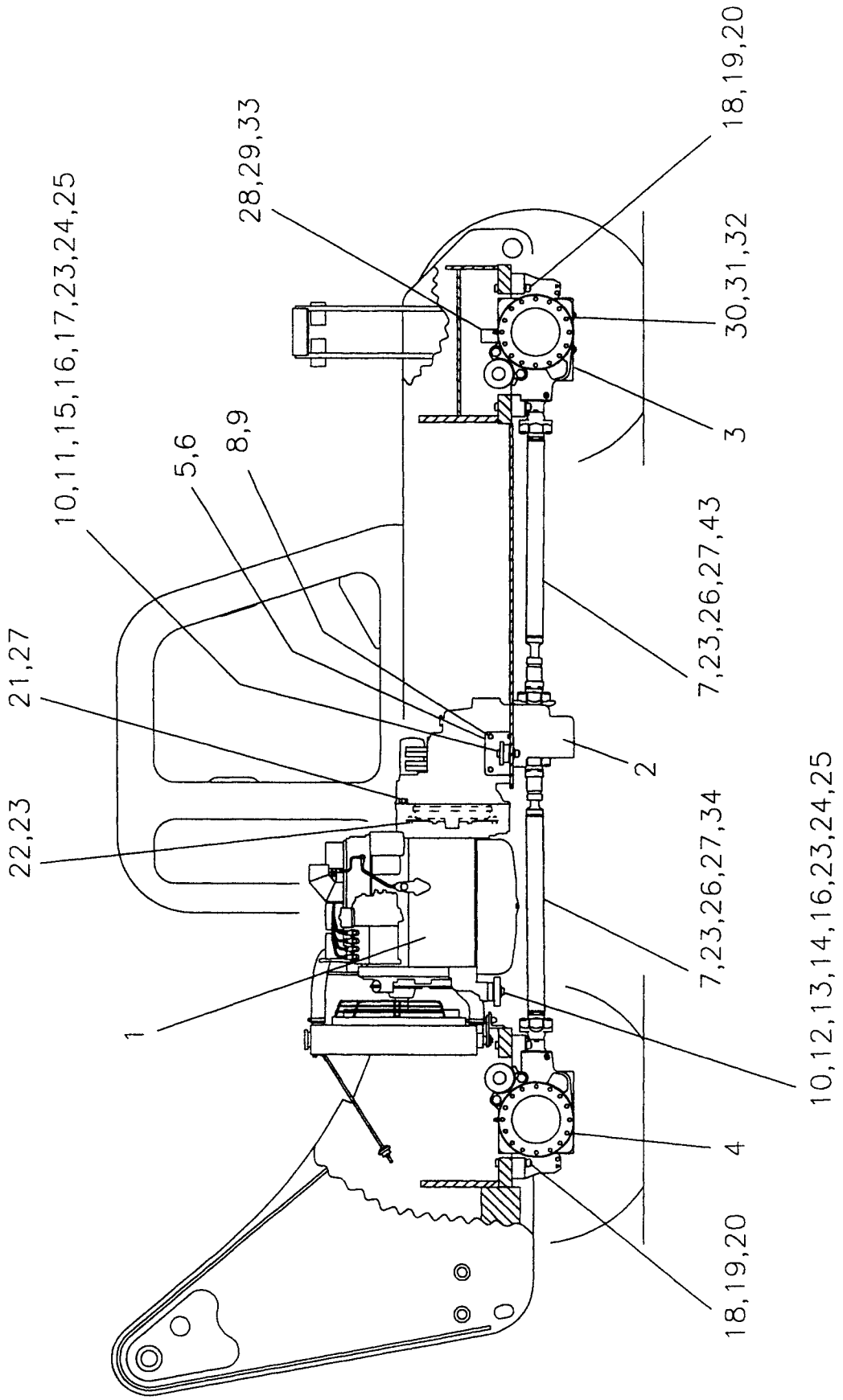

44,45
29
3
SEE STEERING CIRCUIT
39,40,41, 42,43
48,60,62,64 (UNDER DASH)
30,31,32, 33,34
SEE PARKING BRAKE CIRCUIT
2,35,36,37,38
1
SEE INSTR. PANEL ASSY.
6
SEE 4-WAY CIRCUIT
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47,49,45


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61,63,64, 65,4,5
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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	7-194-09	GROMMET	1
5	6-9601-80	EDGING 1/4 x 10 LG.	1
6	6-9601-133	EDGING 1/4 x 16 5/8 LG.	4
7	4-1861-1	GLASS / SKYLIGHT	1
8	6-4110-05	GLASS / WINDSHIELD	1
9	6-4110-07	GLASS / REAR	1
10	6-4010-02	GLASS / RH / REAR SLIDER	1
11	6-3910-06	GLASS / LH / DOOR	1
12	6-4110-06	GLASS / LH / CAB	1
13	6-3910-07	GLASS / RH / FRONT SLIDER	1
14	6-9608-832	RUBBER / WINDSHIELD	1
15	6-9608-720	RUBBER / REAR WINDOW	1
16	6-9608-960	RUBBER / LH / DOOR	1
17	6-9608-664	RUBBER / LH / CAB	1
18	4-1862-1	CHANNEL WELDMENT / REMOVABLE	REF
19	7-226-03	HANDLE / SLIDING WINDOW	1
20	6-9614-268	RUBBER CHANNEL	1
21	6-9614-110	RUBBER CHANNEL	1
22	6-9614-227	RUBBER CHANNEL	1
23	6-9614-298	RUBBER CHANNEL	1
24	6-9614-271	RUBBER CHANNEL	1
25	6-6211-04	LOCKWASHER 1/4	2
26	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	8
27	6-6212-04	FLATWASHER 1/4	8
28	7-319-17	GROUND STRAP / CAB (NOT SHOWN)	1
29	4-1386-5	LOAD CHART / TH528	1
30	7-256-32	NUT / STEERING WHEEL (w/ ITEM 36)	REF
31	7-256-30	STEERING ORBITRAL	1
32	7-256-31	STEERING COLUMN	1
33	7-352-01	STEERING WHEEL	1
34	7-352-02	HORN BUTTON KIT	1
35	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	2
36	6-6211-06	LOCKWASHER 3/8	2
37	6-6212-06	FLATWASHER 3/8	2
38	6-6201-06	HEX NUT 3/8 NC	2
39	7-351-01	TRANSMISSION CONTROL	1
40	6-6284-08	MACHINE SCREW #10-32 x 3/4 LG.	4
41	6-6286-06	HEX NUT #10-32	4
42	6-6286-12	FLATWASHER #10	4
43	6-6286-07	LOCKWASHER #10	4
44	7-194-07	U-BOLT w/ NUTS	2
45	6-6201-04	HEX NUT 1/4 NC	8
46	4-1832	CONTROLLER MOUNT / ARMREST	1
47	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	4
48	6-9601-144	EDGING 1/4 x 18 LG.	1
49	6-6211-04	LOCKWASHER 1/4	4
50	7-194-63	WEATHERSTRIP / PER FOOT	7
51	7-293-23	PANTOGRAPH KIT / WINDSHIELD WIPER	1
52	7-293-24	WIPER ARM / 18 IN.	1

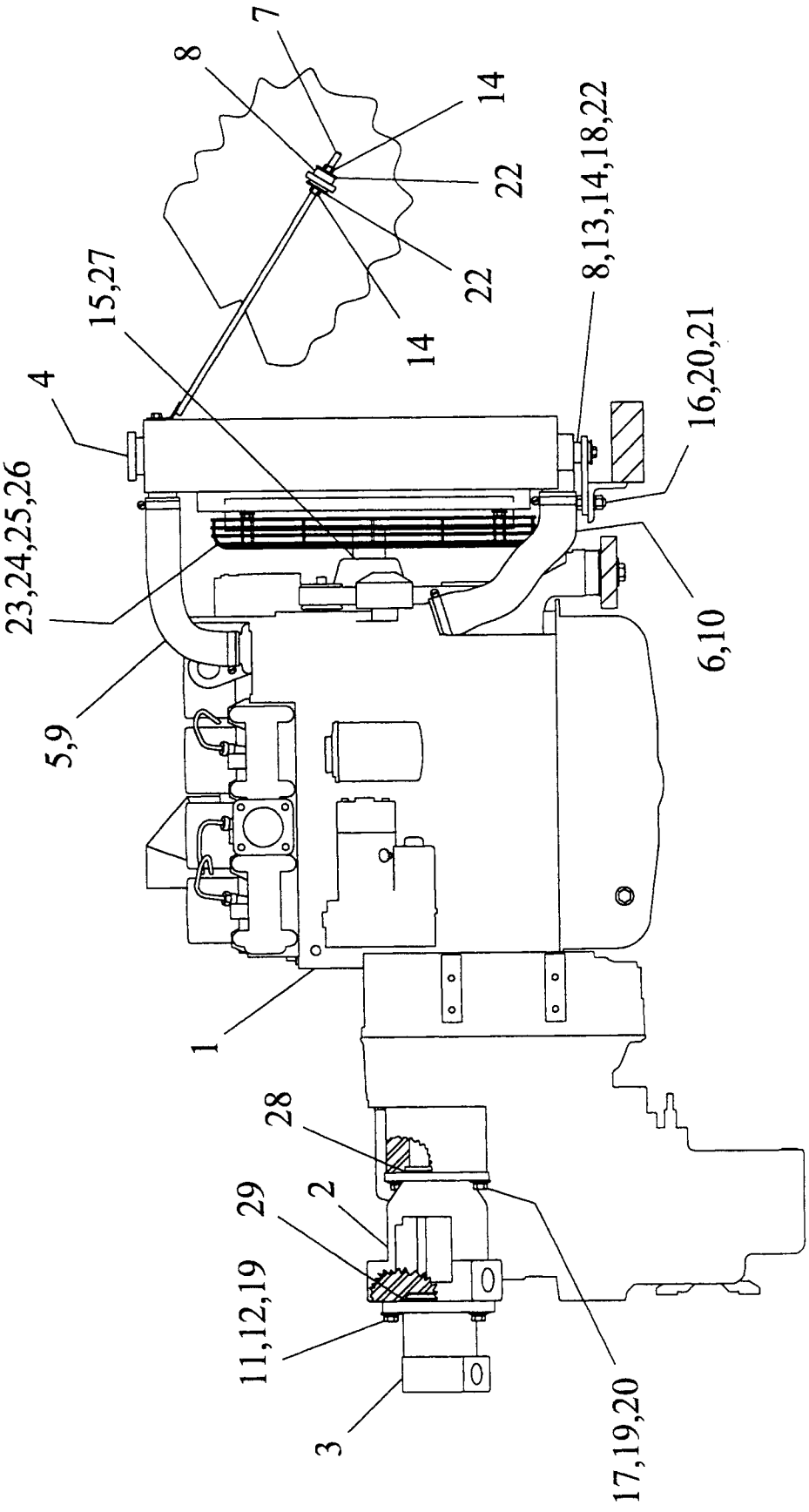
ITEM	NUMBER	DESCRIPTION	REQD
53	7-293-25	WIPER BLADE / 20 IN.	1
54	7-293-26	ADAPTER KIT / WINDSHIELD WIPER	1
55	6-5304-06	CAPSCREW 1/4 NF x 3/4 LG.	2
56	7-194-61	RUBBER STUD BUMPER	1
57	6-6211-05	LOCKWASHER 5/16	1
58	6-6201-05	HEX NUT 5/16 NC	1
59	4-1819-1	DOOR	REF
60	4-1819-2	VANDAL COVER / UNDER DASH	REF
61	4-1819-3	COVER / SEAT MOUNT	REF
62	7-290-01	BODY BOLT 5/16 NC x 3/4 LG.	4
63	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	4
64	6-6212-04	FLATWASHER 1/4	8
65	6-6211-04	LOCKWASHER 1/4	4

NOTES



7	PAGE NUMBER	POWER TRAIN ASSEMBLY TH528	DRAWING NUMBER	P4-1837

ITEM	NUMBER	DESCRIPTION	REQD
1	P4-1838	ENGINE and PUMP ASSEMBLY	REF
2	7-126-348	TRANSMISSION ASSEMBLY	1
3	7-368-02	AXLE ASSEMBLY / FRONT	1
4	7-368-01	AXLE ASSEMBLY / REAR	1
5	3-1360-1	MOUNT / TRANSMISSION / LH	1
6	3-1360-2	MOUNT / TRANSMISSION / RH	1
7	7-196-44	DRIVESHAFT / FRONT & REAR	2
8	6-8112-35	CAPSCREW 12mm x 1.75 x 35mm LG.	5
9	6-9111-12	LOCKWASHER 12mm	5
10	7-326-02	RUBBER MOUNT / ENGINE-TRANS.	3
11	6-5310-30	CAPSCREW 5/8 NF x 3 3/4 LG.	2
12	6-5210-32	CAPSCREW 5/8 NC x 4 LG.	1
13	6-6207-10	JAM NUT 5/8 NC	1
14	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	2
15	6-6212-10	FLATWASHER 5/8	3
16	6-6211-10	LOCKWASHER 5/8	3
17	6-6202-10	HEX NUT 5/8 NF	2
18	6-5312-40	CAPSCREW 3/4 NF x 5 LG.	8
19	6-6211-12	LOCKWASHER 3/4	8
20	6-6202-12	HEX NUT 3/4 NF	8
21	6-8510-40	CAPSCREW 10mm x 1.5 x 40mm LG.	11
22	6-5306-14	CAPSCREW 3/8 NF x 1 3/4 LG.	8
23	6-6211-06	LOCKWASHER 3/8	22
24	6-6201-06	HEX NUT 3/8 NC	6
25	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	4
26	6-5306-16	CAPSCREW 3/8 NF x 2 LG.	8
27	6-9111-10	LOCKWASHER 10mm	19
28	3-1388	MOUNT / SWAY	1
29	6-4516-16	BRONZE BUSHING / AXLE SWAY MOUNT	1
30	6-5312-84	CAPSCREW 3/4 NF x 10 1/2 LG.	4
31	6-6211-12	LOCKWASHER 3/4	4
32	6-6202-12	HEX NUT 3/4 NF	4
33	2-1216	BASE PLATE / SWAY	1
34	6-8610-50	CAPSCREW 10mm x 1.0 x 50mm LG.	8



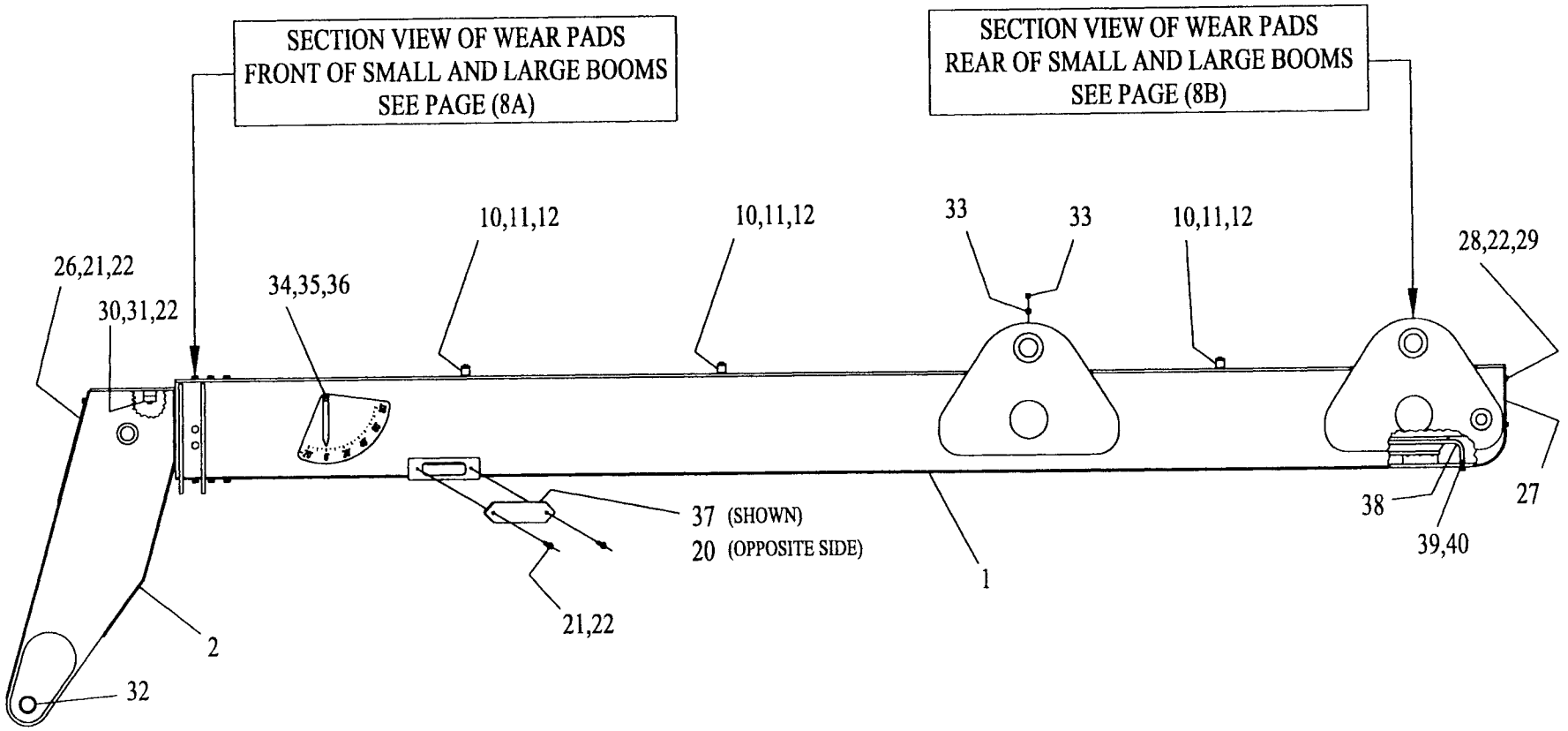
8	PAGE NUMBER	ENGINE & PUMP ASSEMBLY TH528	DRAWING NUMBER	P4-1838

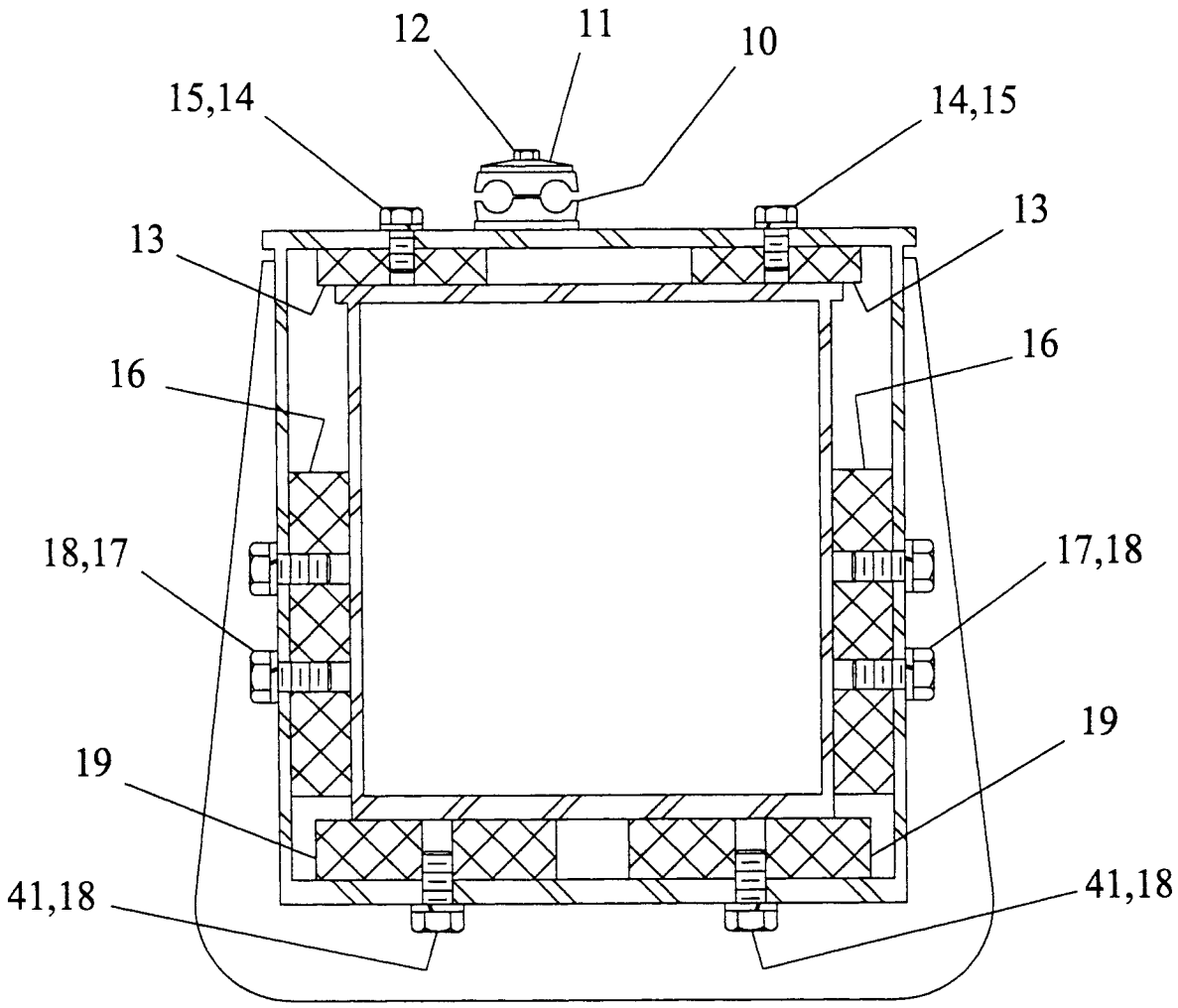
ITEM	NUMBER	DESCRIPTION	REQD
1	7-343-24	ENGINE ASSY / CUMMINS B3.9-C-80	1
2	7-345-56	PUMP / PISTON TYPE / 45cc	1
3	7-345-57	PUMP / GEAR TYPE / 23.8cc	1
4	7-311-15	RADIATOR	1
5	7-158-86	RADIATOR HOSE / UPPER	1
6	7-158-87	RADIATOR HOSE / LOWER	1
7	3-1367	ADJUSTING ROD / UPPER RADIATOR MT.	1
8	7-190-04	RUBBER MOUNT / CENTER BONDED	3
9	6-6252-08	CLAMP / RADIATOR HOSE	2
10	6-6252-10	CLAMP / RADIATOR HOSE	2
11	6-8912-35	CAPSCREW SH 12mm x 1.75 x 35mm	2
12	6-9111-12	LOCKWASHER 12mm	2
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	6-5208-12	CAPSCREW 1/2 NC x 1 1/2 LG.	2
18	1-1210	MOUNT / RADIATOR	2
19	6-6212-08	FLATWASHER 1/2	2
20	6-6211-08	LOCKWASHER 1/2	4
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
26	6-6212-06	FLATWASHER 3/8	4
27	7-343-16	SPACER / FAN / 2 1/2 (2 REQ.)	REF
28	7-229-100	O-RING	1
29	7-345-88	O-RING	REF

PAGE NUMBER 9

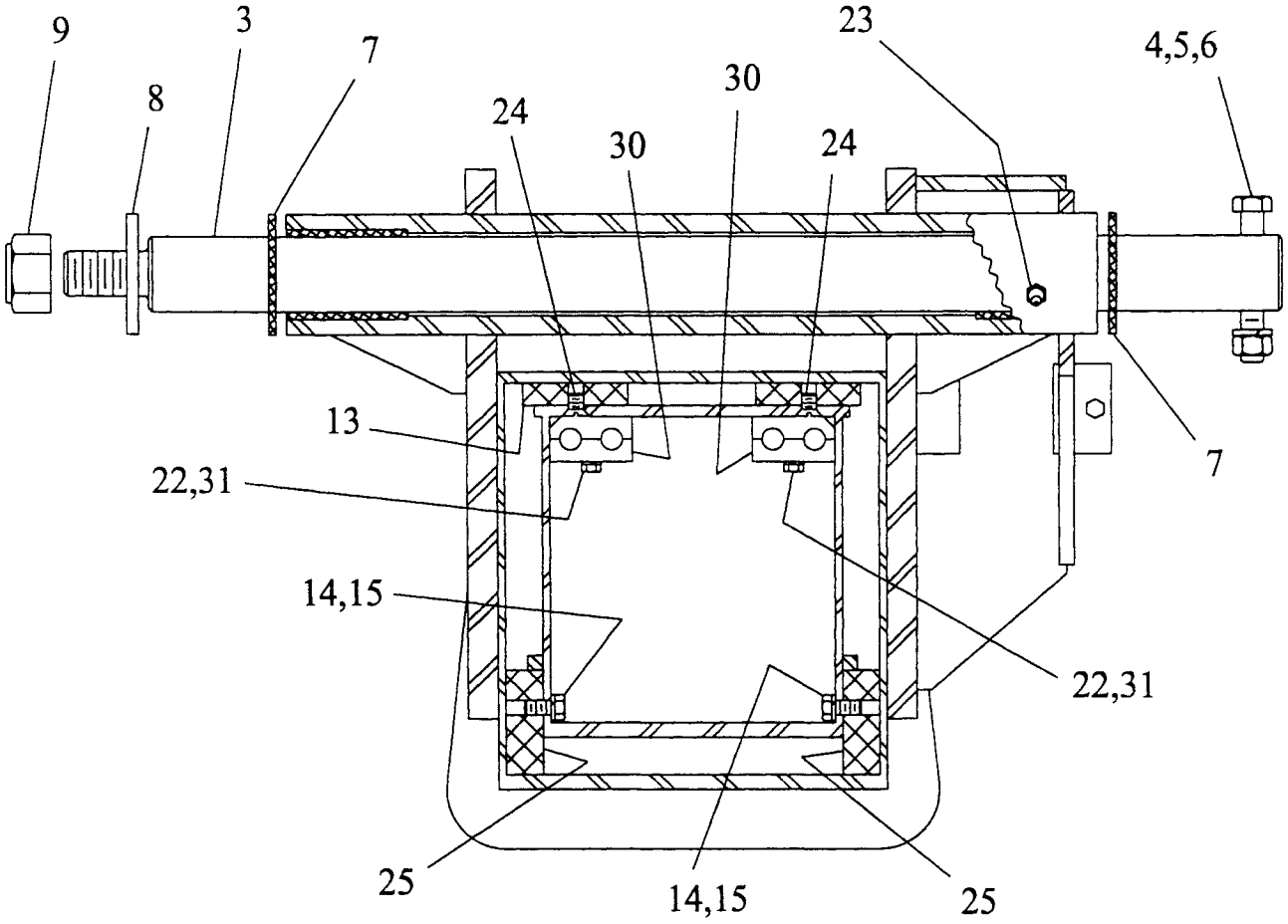
BOOM ASSEMBLY TH528

DRAWING NUMBER P4-1839



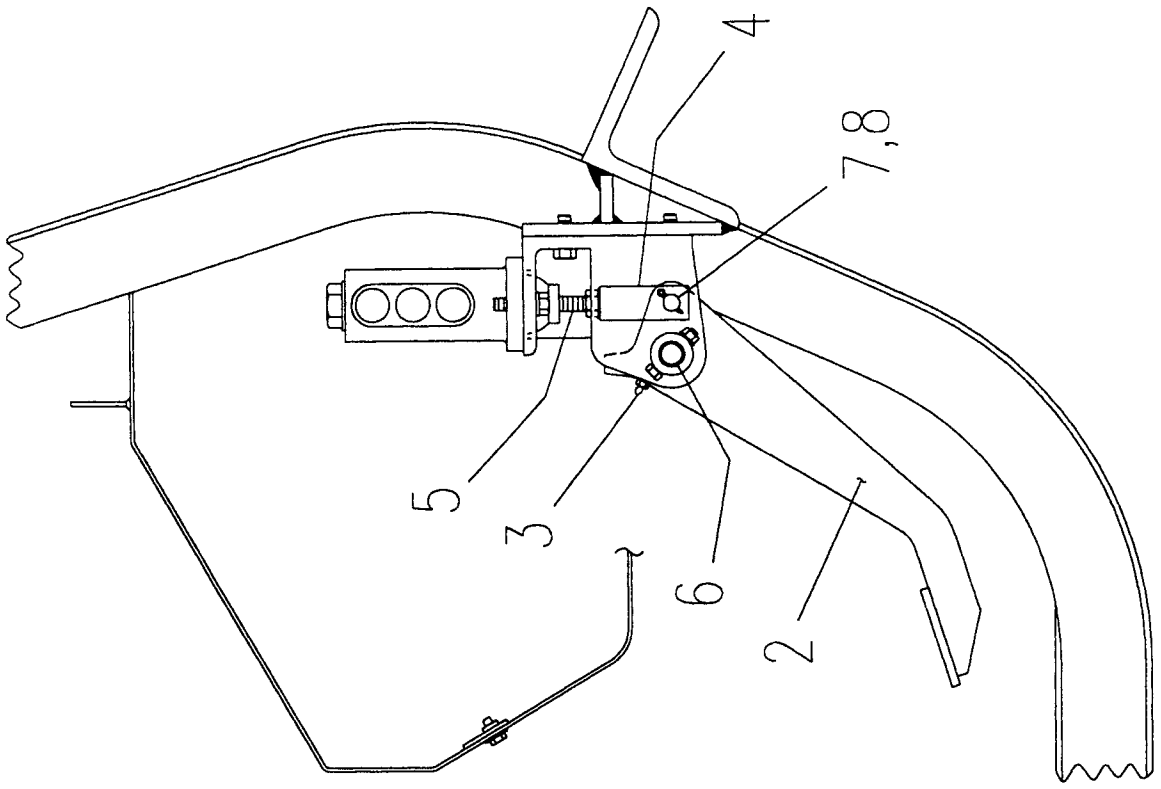


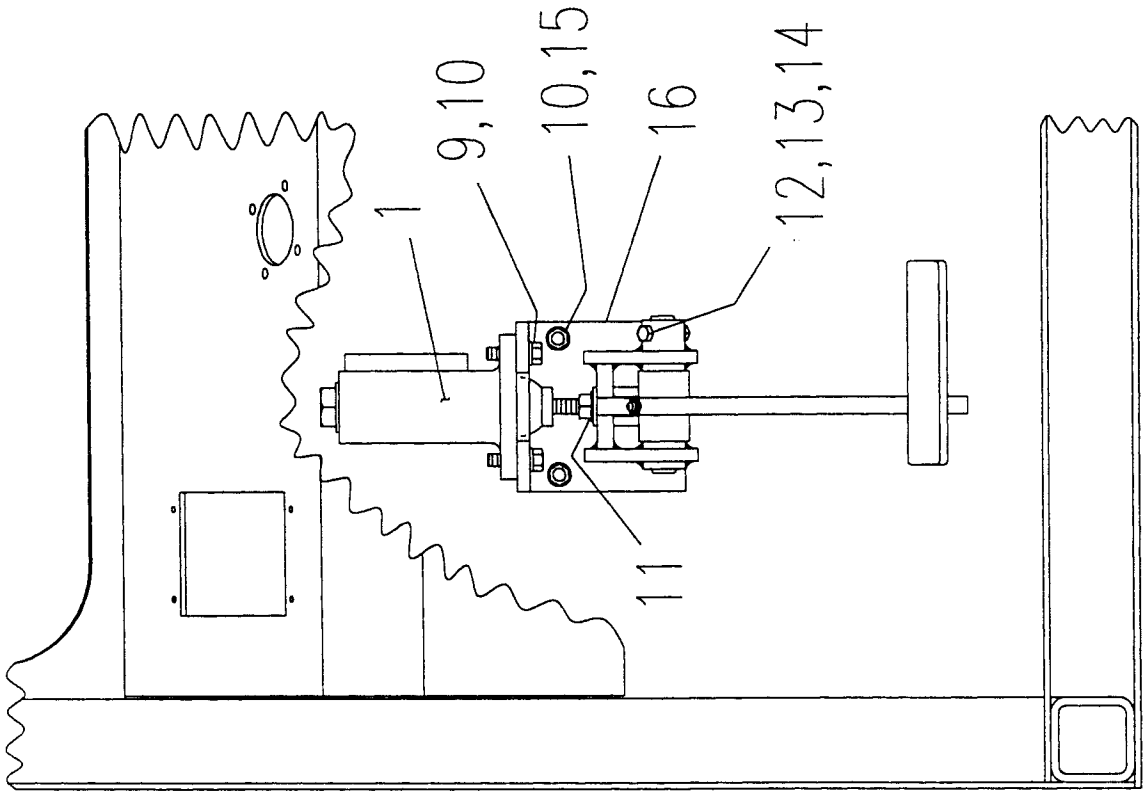
SECTION VIEW OF WEAR PADS FRONT OF SMALL AND LARGE BOOMS



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

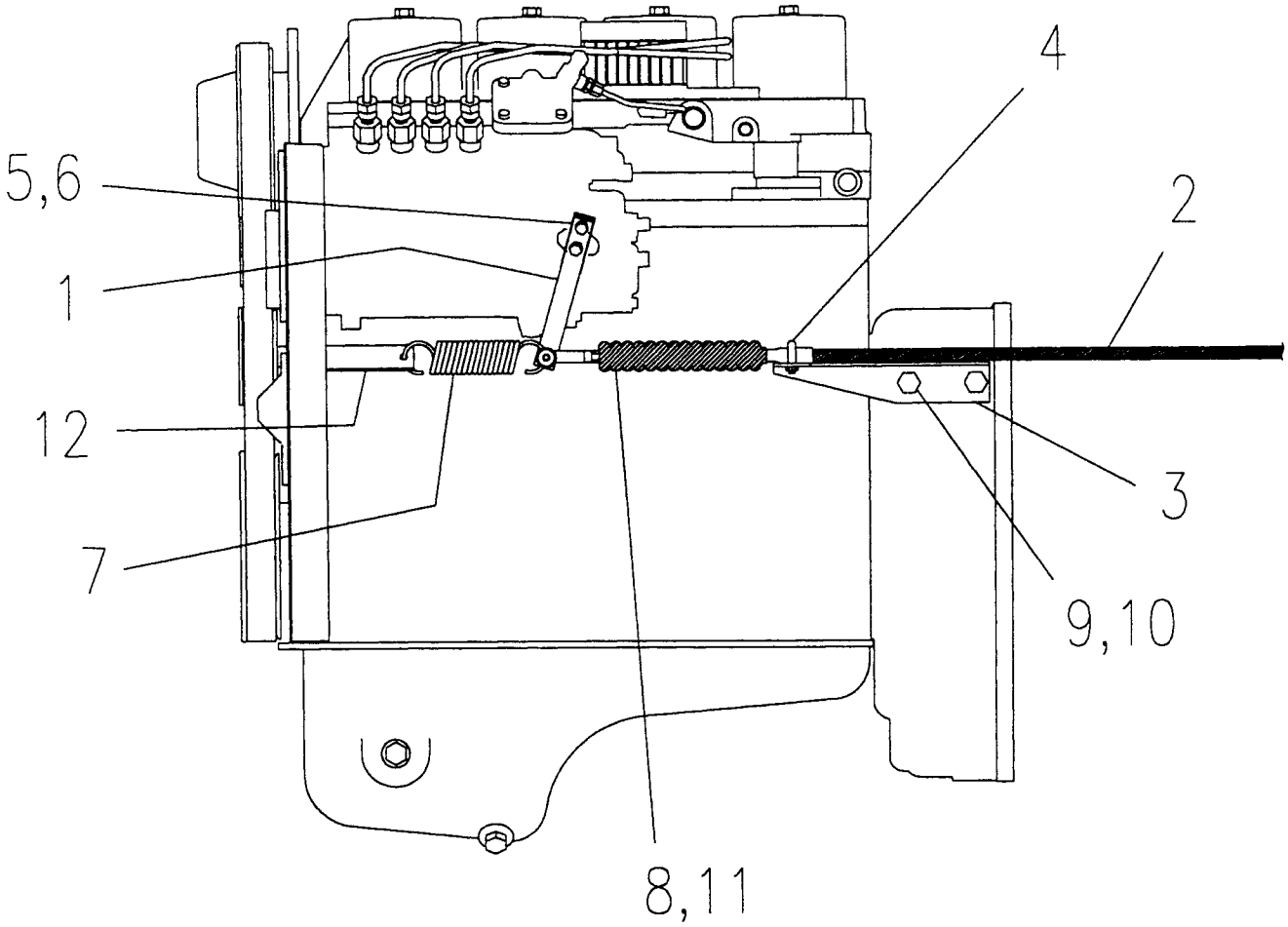
ITEM	NUMBER	DESCRIPTION	REQD
1	4-1816	LARGE BOOM	1
2	4-1817	SMALL BOOM	1
3	3-1154-6	CROSS SHAFT / MAIN PIVOT	1
4	6-5312-40	CAPSCREW 3/4 NF x 5 LG.	1
5	6-6202-12	HEX NUT 3/4 NF	1
6	6-6211-12	LOCKWASHER 3/4	1
7	6-6600-13	THRUSTWASHER 4.00 x 2.50 x .250	2
8	6-6701-06	WASHER / STEEL	1
9	6-6206-24	SELF LOCKING NUT 1 1/2 NF	1
10	7-273-27	CLAMP HALF SET / 3/8 TWIN HOSE	5
11	7-273-23	COVER PLATE / 3/8 HOSE CLAMP	5
12	6-5205-10	CAPSCREW 5/16 NC x 1 1/4 LG.	5
13	2-1191	WEAR PAD / TOP / LG. & SM. BOOM	4
14	6-5208-08	CAPSCREW 1/2 NC x 1 LG.	12
15	6-6211-08	LOCKWASHER 1/2	12
16	2-1209	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	2-1203	MOUNT / BULKHEAD FITTINGS	1
21	6-5206-04	CAPSCREW 3/8 NC x 1/2 LG.	5
22	6-6211-06	LOCKWASHER 3/8	13
23	6-6301	LUBE FITTING 1/8 NPT STR.	2
24	6-6008-06	FLAT HD. SOCKET SCREW 1/2 NC x 3/4	6
25	2-1189	WEAR PAD / REAR SIDES / SMALL BOOM	2
26	3-1359	ACCESS COVER / TILT VALVE	1
27	3-1366	ACCESS COVER / REAR / LARGE BOOM	1
28	6-5206-06	CAPSCREW 3/8 NC x 3/4 LG.	4
29	6-6212-06	FLATWASHER 3/8	4
30	2-1218-1	CLAMP / 1/2 HOSE	REF
31	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	4
32	7-296-03	TENSION BUSHING (2 REQ.)	REF
33	6-6275-07	SET SCREW 5/8 NC x 5/8 LG.	2
34	1-1217	POINTER / BOOM ANGLE	1
35	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	1
36	6-6201-04	HEX NUT 1/4 NC	1
37	2-1203-1	COVER PLATE	1
38	4-1881	HOSE GUIDE	1
39	6-6211-07	LOCKWASHER 7/16	2
40	6-6201-07	HEX NUT 7/16 NC	2
41	6-5210-12	CAPSCREW 5/8 NC x 1 1/2 LG	6



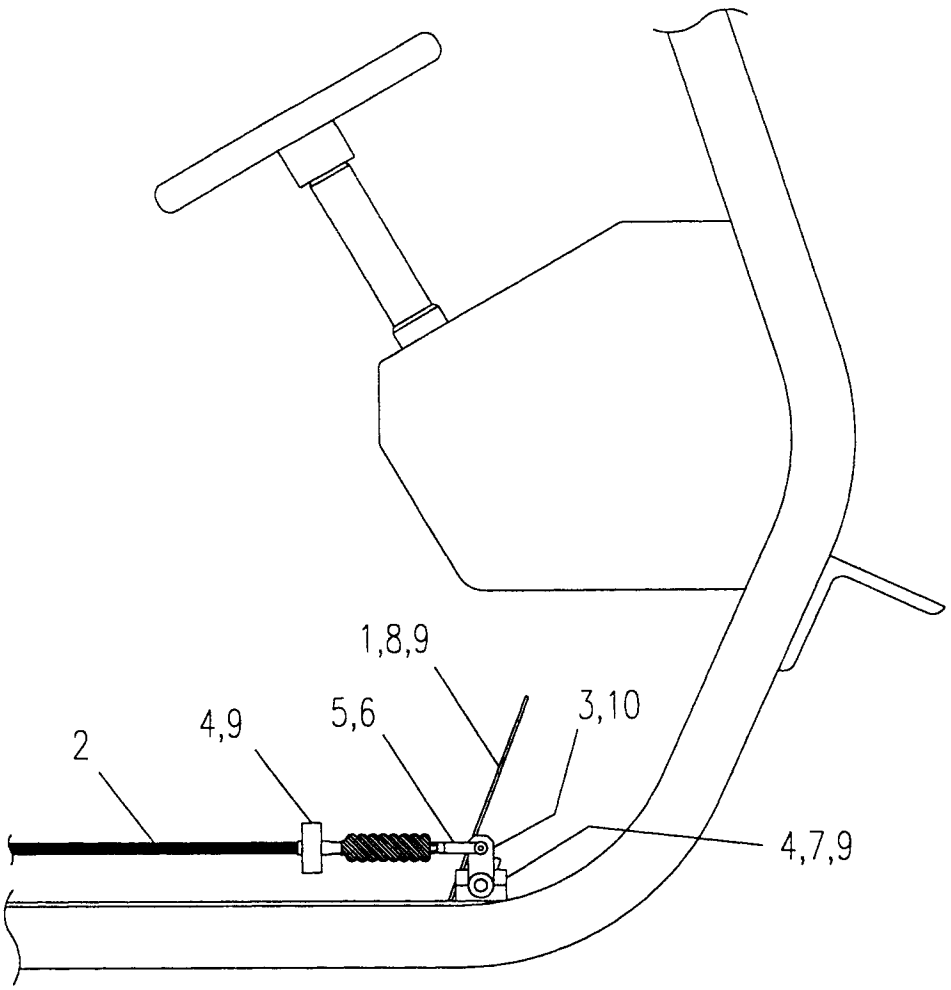


10	PAGE NUMBER	FOOT BRAKE ASSEMBLY TH528	DRAWING NUMBER	P4-1840

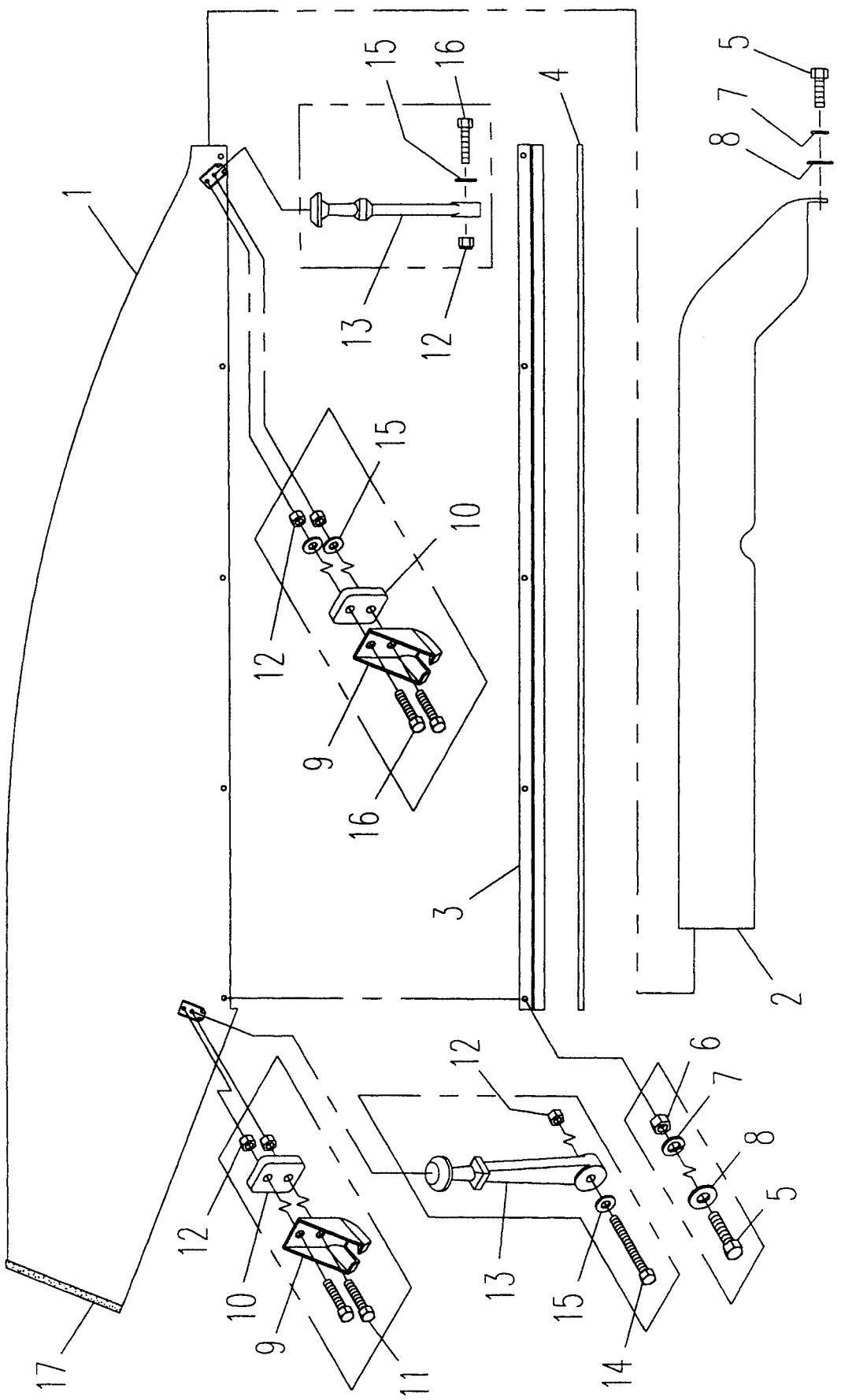
ITEM	NUMBER	DESCRIPTION	REQD
1	7-198-39	ACTUATOR / BRAKE	1
2	3-1148	PEDAL / BRAKE	1
3	6-6306	LUBE FITTING 1/4-28 THD.	1
4	1-1008	YOKE / BRAKE	1
5	1-1009	PUSH ROD	1
6	2-1117	PIN / BRAKE PEDAL	1
7	6-6261-12	CLEVIS PIN 1/2 x 1 1/2 LG.	1
8	6-6245-08	COTTER PIN 5/32 x 1 LG.	1
9	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	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	2-1181	ACCELERATOR LEVER	1
2	7-266-02	CABLE / ACCELERATOR	REF
3	3-1374	MOUNT / ACCELERATOR CABLE	1
4	7-194-07	U-BOLT w/ NUTS	1
5	6-8506-12	CAPSCREW 6mm x 1.00 x 12mm LG.	2
6	6-9111-06	LOCKWASHER 6mm	2
7	7-194-20	SPRING / RETURN	1
8	7-194-05	YOKE w/ CLEVIS PIN & COTTER PIN	1
9	6-8512-25	CAPSCREW 12mm x 1.75 x 25mm LG.	2
10	6-9111-12	LOCKWASHER 12mm	2
11	6-6208-04	JAM NUT 1/4-28 (w/ CABLE)	REF
12	1-1204	MOUNT / ACCELERATOR SPRING	1

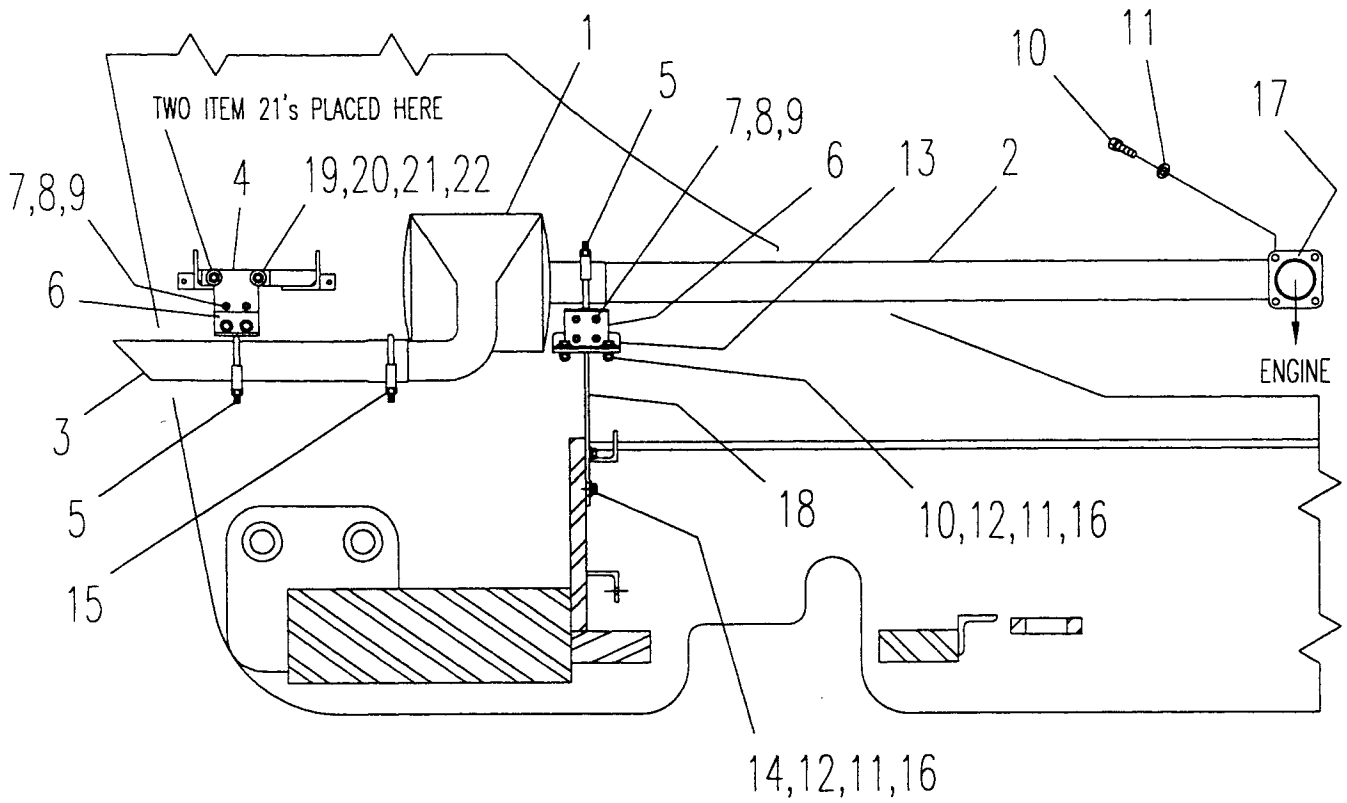


ITEM	NUMBER	DESCRIPTION	REQD
1	3-1080	PEDAL / ACCELERATOR	1
2	7-266-02	CABLE / ACCELERATOR	1
3	3-1380	LINKAGE / ACCELERATOR	1
4	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	6
5	7-194-05	YOKE w/ CLEVIS PIN & COTTER PIN	1
6	6-6208-04	JAM NUT 1/4-28 w/ CABLE	REF
7	6-6306	LUBE FITTING 1/4-28 STR.	2
8	6-5204-06	CAPSCREW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

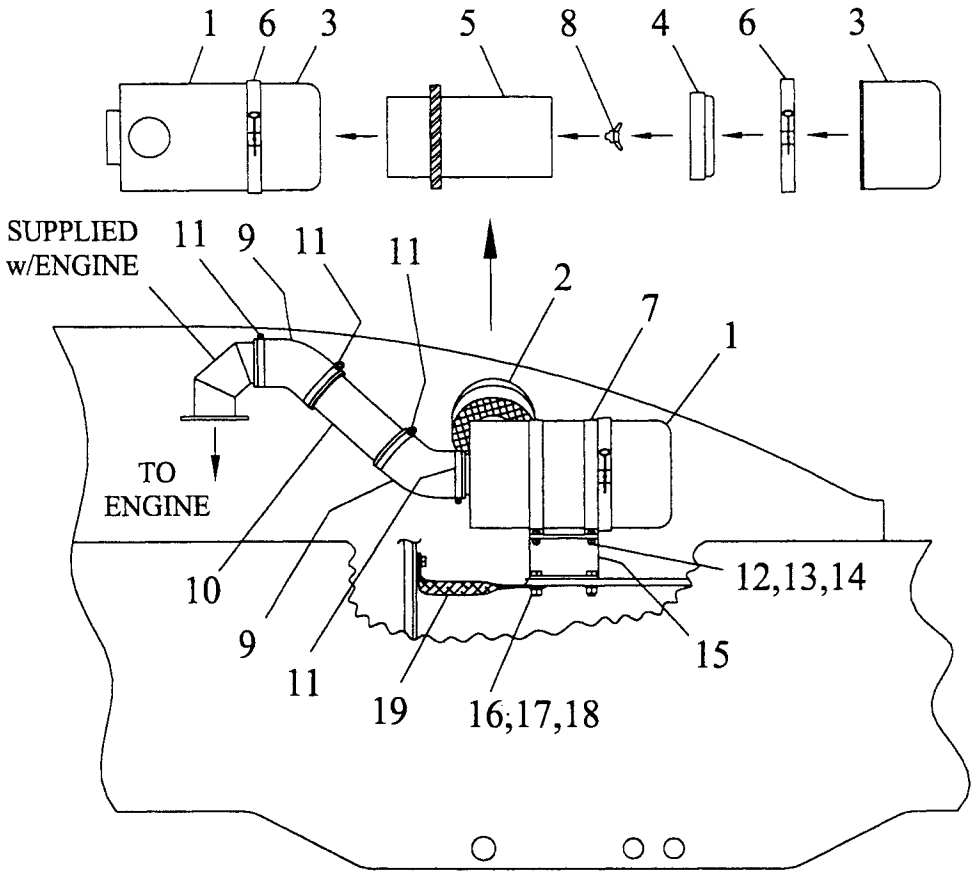


13	PAGE NUMBER	ENGINE ENCLOSURE ASSEMBLY TH528	DRAWING NUMBER	P4-1843

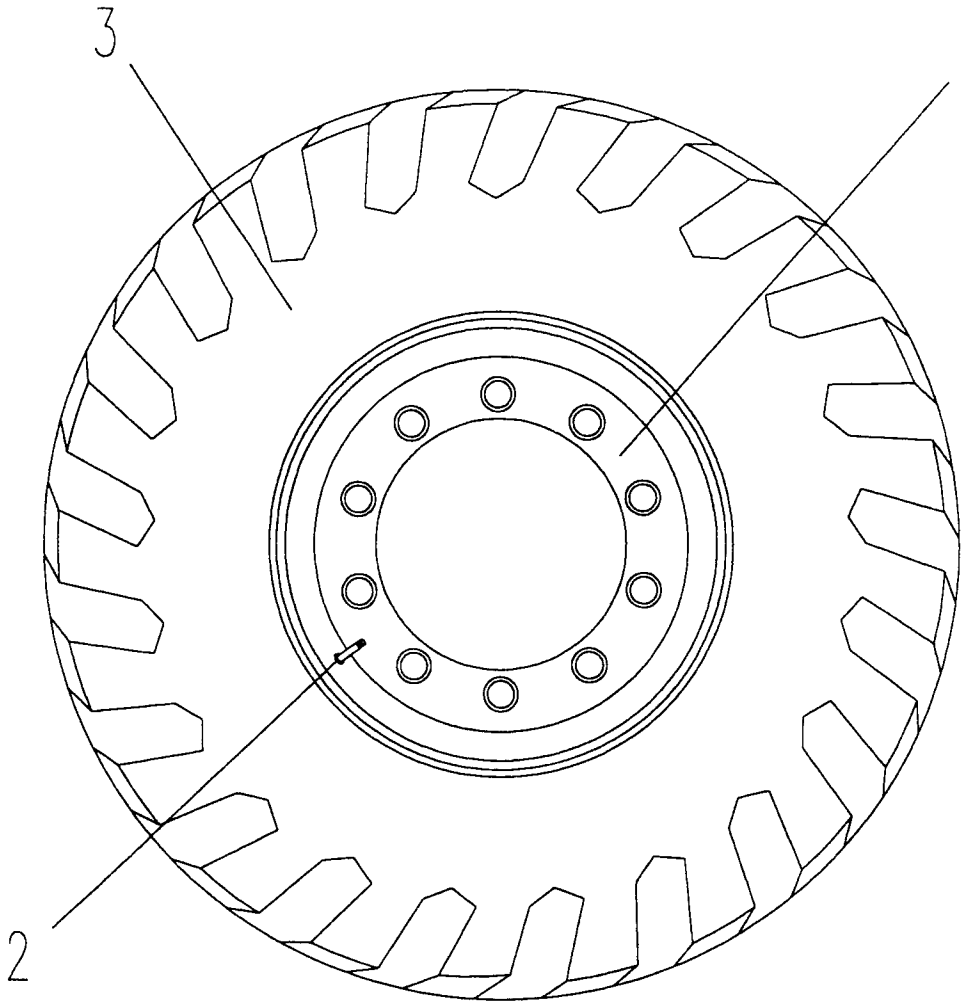
ITEM	NUMBER	DESCRIPTION	REQD
1	4-1828	ENGINE ENCLOSURE / REAR	1
2	4-1827	ENGINE ENCLOSURE / FRONT	1
3	2-1194	SLIDE / REAR HOUSING	2
4	7-194-59	WEAR STRIP	2
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	13
6	6-6201-05	HEX NUT 5/16 NC	10
7	6-6211-05	LOCKWASHER 5/16	13
8	6-6212-05	FLATWASHER 5/16	13
9	7-360-01	PLASTIC 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	5
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



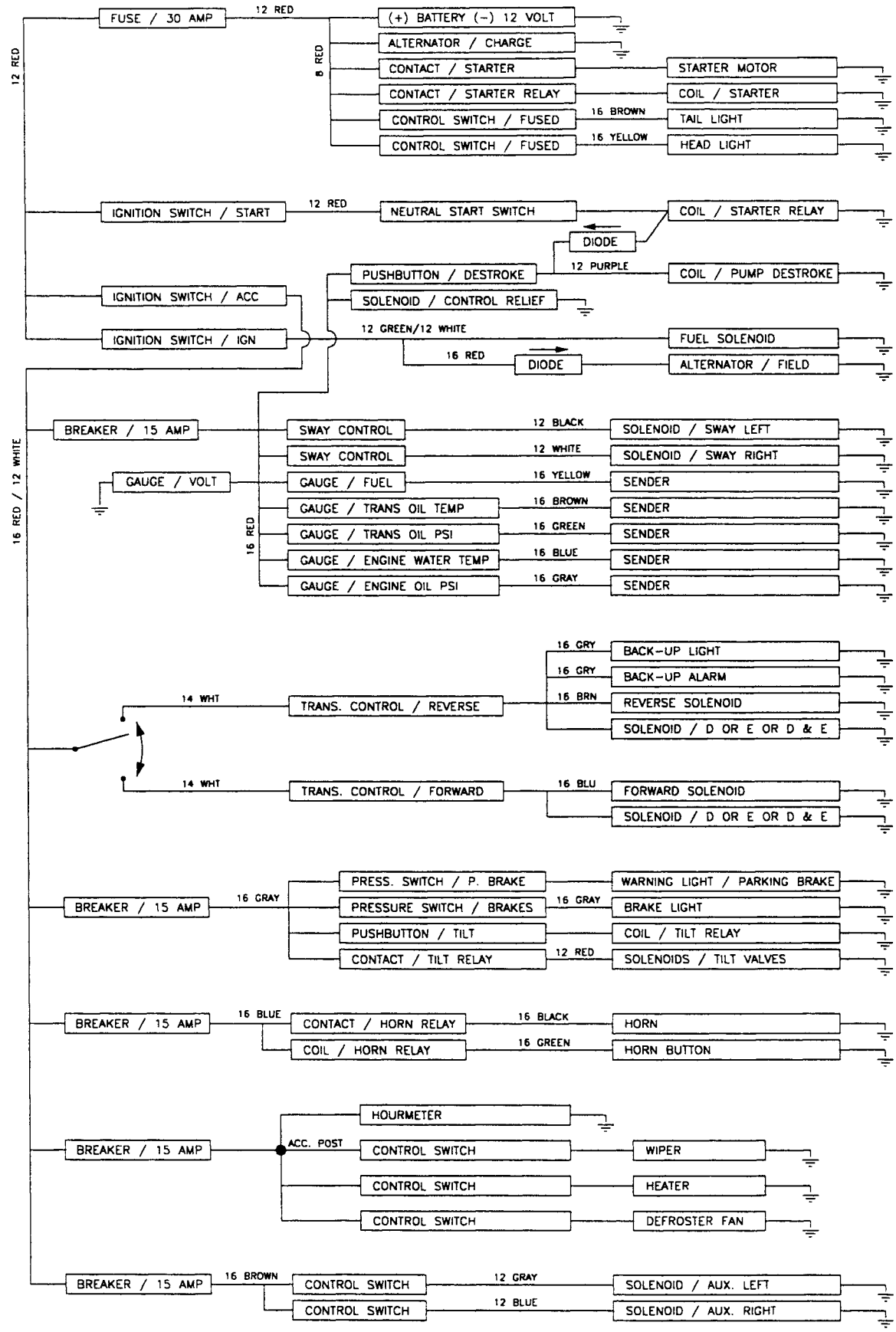
ITEM	NUMBER	DESCRIPTION	REQD
1	7-363-01	MUFFLER	1
2	4-1884	EXHAUST PIPE	1
3	2-1207	TAILPIPE	1
4	1-1216	CLAMP BASE / EXHAUST BRACKET	1
5	2-1170	CLAMP BRACKET / EXHAUST / 2 1/2	2
6	1-1173	FLEX JOINT / EXHAUST BRACKET	2
7	6-5204-08	CAPSCREW 1/4 NC x 1 LG.	8
8	6-6205-04	SELF LOCKING NUT 1/4 NC	8
9	6-6212-04	FLATWASHER 1/4	8
10	6-5206-08	CAPSCREW 3/8 NC x 1 LG.	6
11	6-6211-06	LOCKWASHER 3/8	8
12	6-6212-06	FLATWASHER 3/8	4
13	1-1174	CLAMP BASE / EXHAUST BRACKET	2
14	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	2
15	7-284-03	MUFFLER CLAMP / 2 1/2	1
16	6-6201-06	HEX NUT 3/8 NC	4
17	7-343-31	GASKET / EXHAUST FLANGE	REF
18	3-1378	BRACKET / EXHAUST	1
19	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
20	6-6211-05	LOCKWASHER 5/16	2
21	6-6212-05	FLATWASHER 5/16	3
22	6-6201-05	HEX NUT 5/16 NC	2



ITEM	NUMBER	DESCRIPTION	REQD
1	7-135-01	AIR CLEANER ASSEMBLY	1
2	7-135-03	HOOD	1
3	7-135-10	CUP ASSEMBLY	REF
4	7-135-09	BAFFLE ASSEMBLY	REF
5	7-135-07	ELEMENT ASSEMBLY	REF
6	7-135-08	CLAMP ASSEMBLY / BODY	REF
7	7-135-02	MOUNTING BAND	2
8	7-135-11	THUMB SCREW	REF
9	7-135-23	RUBBER ELBOW 3 ID x 45	2
10	2-1199	TUBE	1
11	6-6252-13	CLAMP / WORM	4
12	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
13	6-6201-05	HEX NUT 5/16 NC	4
14	6-6211-05	LOCKWASHER 5/16	4
15	3-1364	MOUNT / AIR CLEANER	1
16	6-5208-12	CAPSCREW 1/2 NC x 1 1/2 LG.	2
17	6-6211-08	LOCKWASHER 1/2	2
18	6-6201-08	HEX NUT 1/2 NC	2
19	7-319-17	GROUND STRAP / ENGINE	1



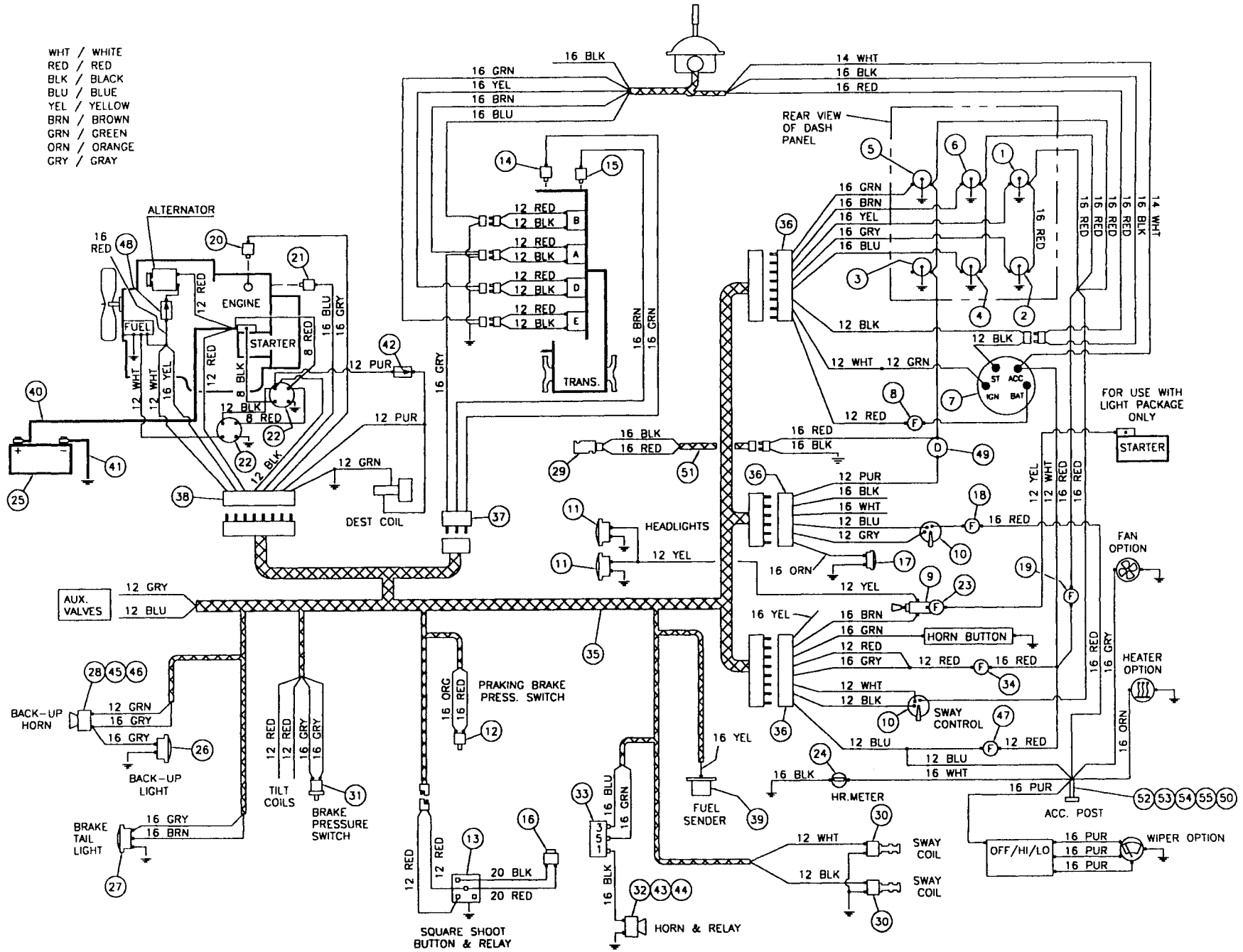
ITEM	NUMBER	DESCRIPTION	REQD
1	7-335-07	WHEEL	1
2	7-286-01	VALVE STEM / AIR-CHLORIDE-FOAM	1
3	7-335-05	TIRE	1
4	7-335-08	TIRE & WHEEL ASSY / RH	REF
5	7-335-09	TIRE & WHEEL ASSY / LH	REF


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
12 RED
NEUTRAL START SWITCH
COIL / STARTER RELAY
DIODE
PUSHBUTTON / DESTROKE
12 PURPLE
COIL / PUMP DESTROKE
IGNITION SWITCH / ACC
SOLENOID / CONTROL RELIEF
IGNITION SWITCH / IGN
12 GREEN/12 WHITE
FUEL SOLENOID
16 RED
DIODE
ALTERNATOR / FIELD
16 RED / 12 WHITE
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
16 RED
GAUGE / TRANS OIL PSI
16 GREEN
SENDER
GAUGE / ENGINE WATER TEMP
16 BLUE
SENDER
GAUGE / ENGINE OIL PSI
16 GRAY
SENDER
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
14 WHT
TRANS. CONTROL / FORWARD
16 BLU
FORWARD SOLENOID
SOLENOID / D OR E OR D & E
BREAKER / 15 AMP
16 GRAY
PRESS. SWITCH / P. BRAKE
WARNING LIGHT / PARKING BRAKE
PRESSURE SWITCH / BRAKES
16 GRAY
BRAKE LIGHT
PUSHBUTTON / TILT
COIL / TILT RELAY
CONTACT / TILT RELAY
12 RED
SOLENOIDS / TILT VALVES
BREAKER / 15 AMP
16 BLUE
CONTACT / HORN RELAY
16 BLACK
HORN
COIL / HORN RELAY
16 GREEN
HORN BUTTON
HOURMETER
BREAKER / 15 AMP
ACC. POST
CONTROL SWITCH
WIPER
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

PAGE NUMBER 18

WIRING DIAGRAM
TH528 / CARRARO AXLES

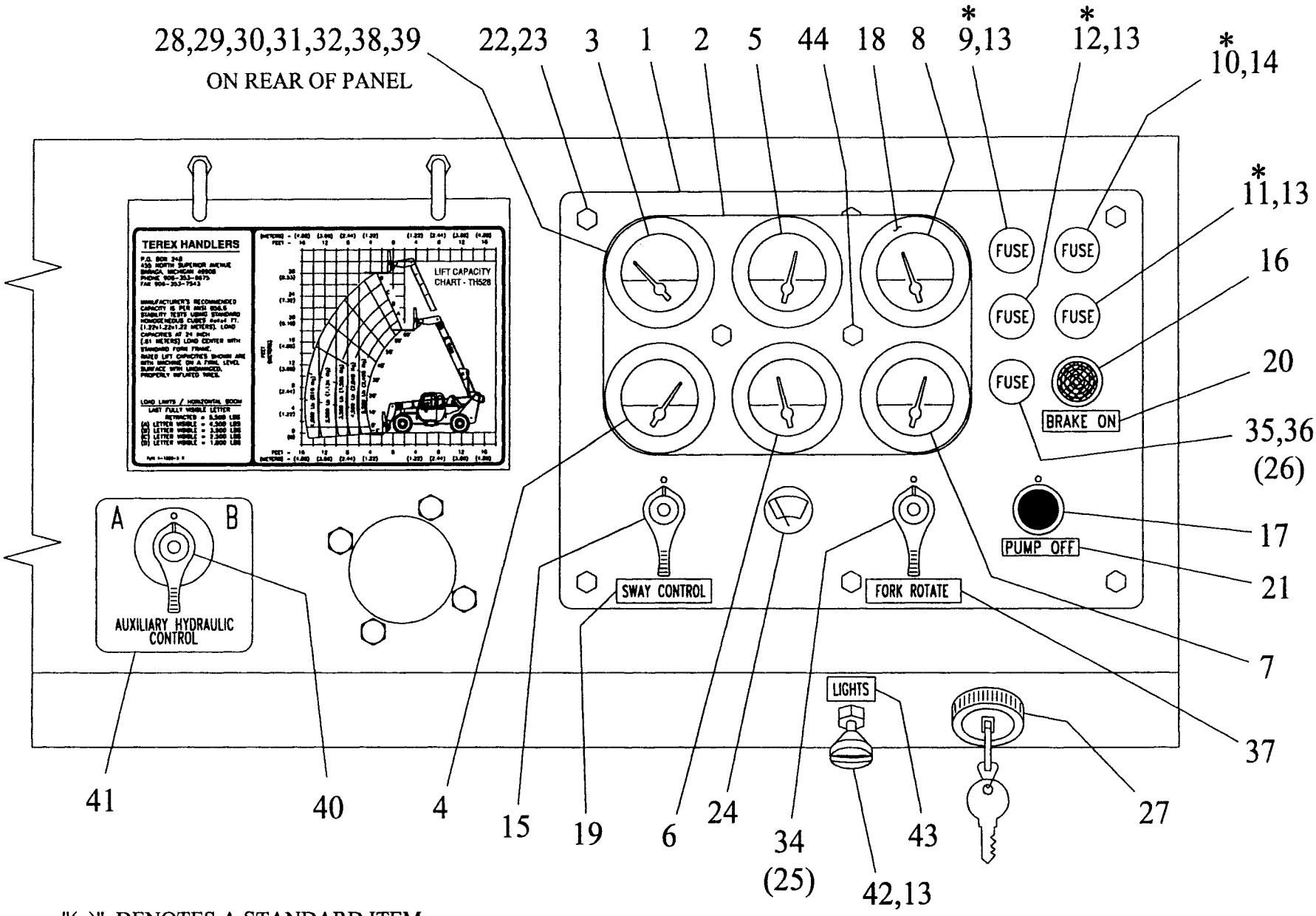
DRAWING NUMBER P4-1846



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	7-198-41	PRESSURE SWITCH / PARKING BRAKE	REF
13	7-206-07	RELAY / SQUARE SHOOT	1
14	7-172-16	SENDER / TRANS. OIL PRESSURE	REF
15	7-172-17	SENDER / TRANS. OIL TEMP.	REF
16	7-345-84	SWITCH / PUSHBUTTON / JOYSTICK	REF
17	7-127-05	LIGHT / WARNING	REF
18	7-268-01	FUSE HOLDER / OPTIONAL / ROTATE	REF
19	7-268-01	FUSE HOLDER / GAGES / SWAY	REF
20	7-172-05	SENDER / ENGINE OIL PRESSURE	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	7-244-50	VALVE / CONTROLLER RELIEF	REF
30	7-244-12	COIL / SWAY CONTROL	REF
31	7-206-03	PRESSURE SWITCH / BRAKE LIGHT	REF
32	7-369-01	HORN	1
33	7-206-04	RELAY / HORN	1
34	7-268-01	FUSE HOLDER / SQ. SHOOT / BRAKE	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	6-7806-32B	BATTERY CABLE / BLUE / 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	7-268-01	FUSE HOLDER / HORN	REF
48	7-281-01	DIODE / ALTERNATOR	REF
49	7-319-03	PUSHBUTTON / PUMP DESTROKE	REF
50	6-6286-07	LOCKWASHER #10	2

ITEM	NUMBER	DESCRIPTION	REQD
51	1-1261	HARNESS / CONTROLLER RELIEF	1
52	7-269-107	JUNCTION STUD	1
53	6-6284-07	MACHINE SCREW #10-32 x 1/2 LG.	2
54	6-6286-06	HEX NUT #10-32	2
55	6-6201-06	HEX NUT 3/8 NC	1

NOTES

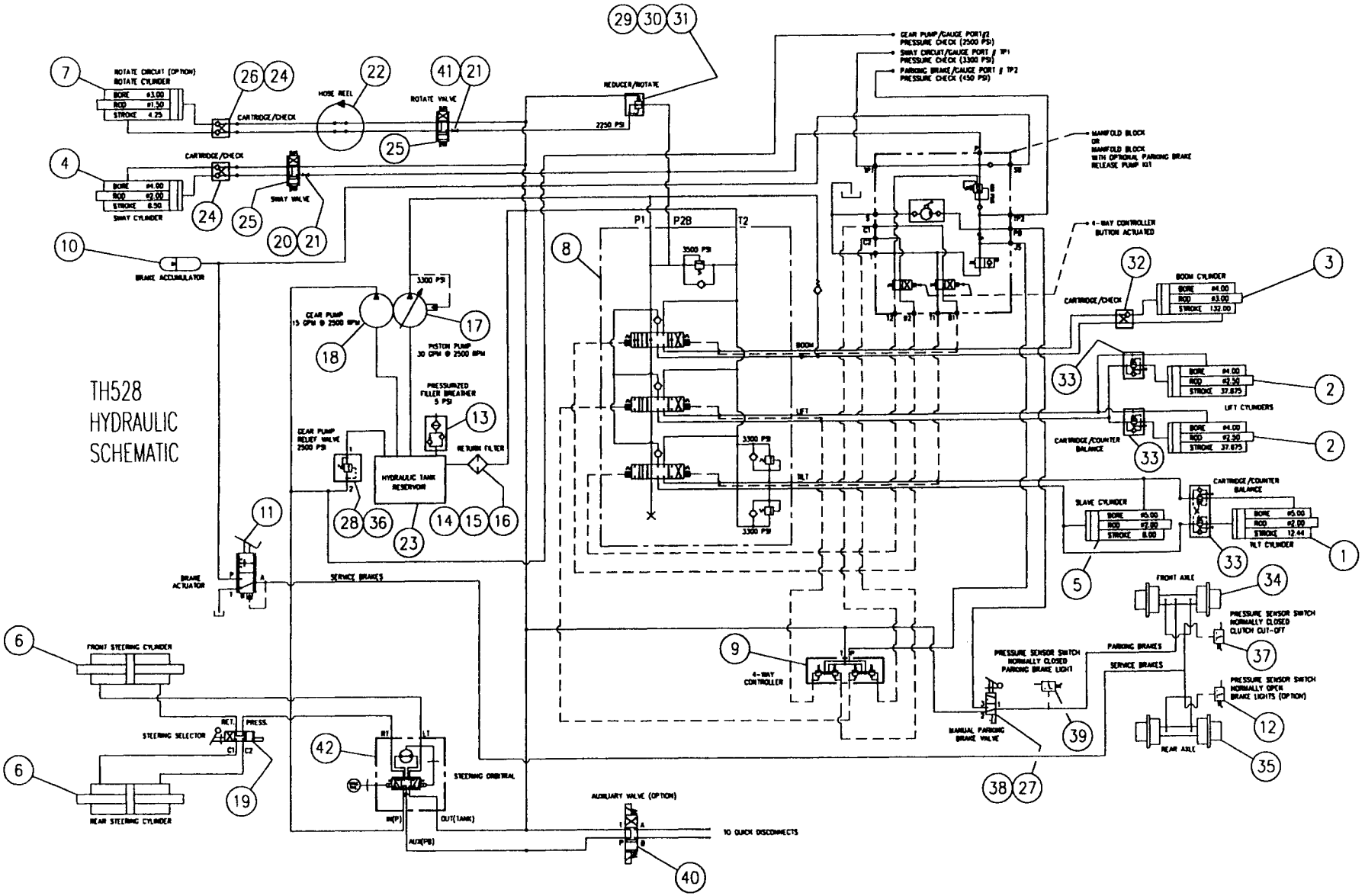


"( )" DENOTES A STANDARD ITEM
" * " CONSISTS OF ONE ITEM #33 - FUSE HOLDER w/PLUG

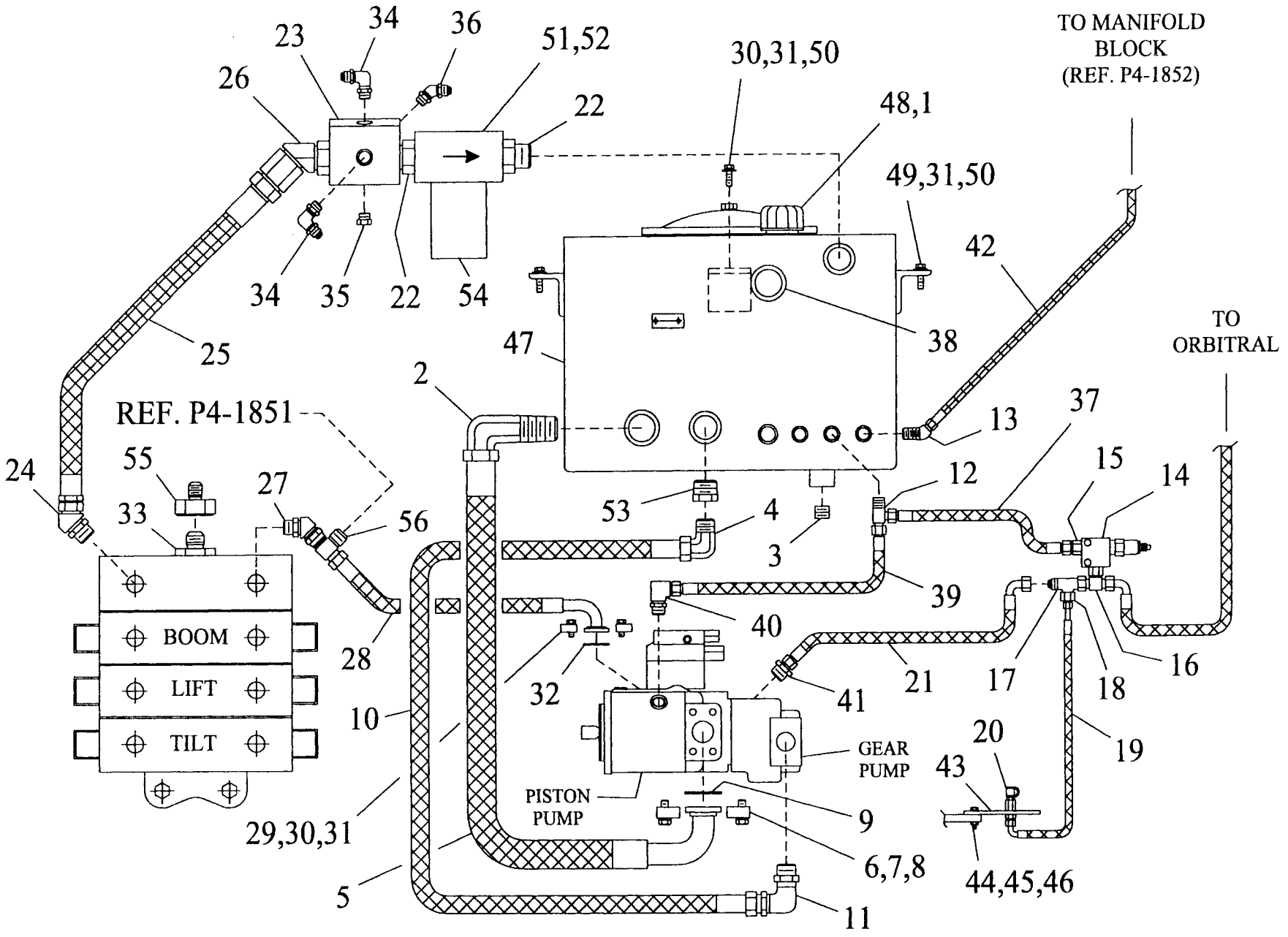
ITEM	NUMBER	DESCRIPTION	REQD
1	3-1226	INSTRUMENT PANEL	1
2	2-1062	GAGE COVER	1
3	7-172-02	GAGE / FUEL	1
4	7-172-04	GAGE / ENGINE OIL PRESSURE	1
5	7-172-06	GAGE / TRANS. OIL TEMP.	1
6	7-172-08	GAGE / ENGINE WATER TEMP.	1
7	7-172-10	GAGE / VOLTMETER	1
8	7-172-11	GAGE / TRANS. OIL PRESSURE	1
9	7-268-01	HOLDER / JOYSTICK RELAY / BRK. LIGHT	1
10	7-268-01	HOLDER / MAIN POWER / IGNITION	1
11	7-268-01	HOLDER / HORN	1
12	7-268-01	HOLDER / GAGES / SWAY	1
13	7-117-01	FUSE / 15 AMP.	3
14	7-117-02	FUSE / 30 AMP.	1
15	7-127-04	SWITCH / SWAY CONTROL	1
16	7-127-05	LIGHT / WARNING	1
17	7-319-03	SWITCH / PUSHBUTTON	1
18	1-2006	SEAL RING / GAGE	6
19	3-1228-1	DECAL / SWAY CONTROL	1
20	3-1228-2	DECAL / BRAKE-ON	1
21	3-1228-3	DECAL / PUMP-OFF	1
22	6-6211-04	LOCKWASHER 1/4	6
23	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	5
24	7-293-01	SWITCH / WINDSHIELD WIPER	1
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	7-268-01	HOLDER / OPTION	REF
36	7-117-01	FUSE / 15 AMP	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	7-127-04	SWITCH / AUXILIARY HYDRAULICS	REF
41	2-1213	DECAL / AUXILIARY HYDRAULICS	REF
42	7-127-12	SWITCH / HEADLIGHT	REF
43	1-1149	DECAL / LIGHTS	REF
44	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG	2

HYDRAULIC SCHEMATIC
TH528

DRAWING NUMBER P4-1848



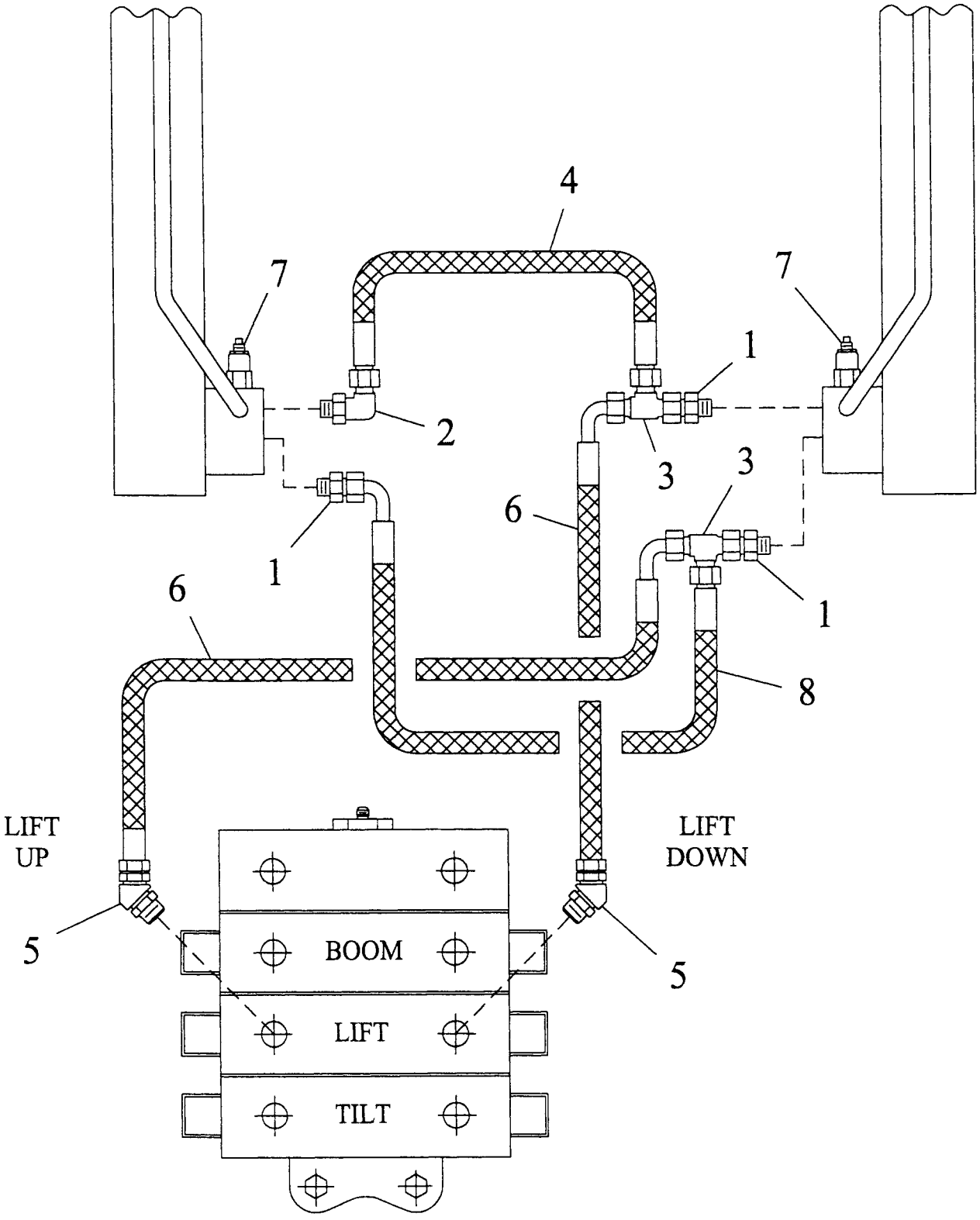
ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-192	CYLINDER / TILT	REF
2	7-316-195	CYLINDER / LIFT (2)	REF
3	7-316-191	CYLINDER / BOOM	REF
4	7-316-194	CYLINDER / SWAY	REF
5	7-316-193	CYLINDER / SLAVE	REF
6	7-368-11	CYLINDER / STEERING (2)	REF
7	7-379-01	CYLINDER / ROTATE	REF
8	7-370-02	VALVE ASSEMBLY / 3 SECTION	REF
9	7-358-03	CONTROLLER / 4-WAY	REF
10	7-256-25	ACCUMULATOR / BRAKE	REF
11	7-198-39	ACTUATOR / BRAKE	REF
12	7-206-03	PRESSURE SWITCH / BRAKE LIGHTS	REF
13	7-354-01	FILLER / BREATHER / PRESSURIZED	REF
14	7-256-23	FILTER / RETURN	REF
15	7-272-10	GAGE / RETURN FILTER	REF
16	7-256-05	ELEMENT / RETURN FILTER	REF
17	7-345-56	PUMP / PISTON / 30 GPM	REF
18	7-345-57	PUMP / GEAR / 15 GPM	REF
19	7-359-02	SELECTOR VALVE / STEERING	REF
20	1-1219	RESTRICTOR FITTING	REF
21	1-1093-1	RESTRICTOR PLUG (.040)	REF
22	7-292-01	HOSE REEL / RH / ROTATE	REF
23	4-1823	OIL RESERVOIR	REF
24	7-234-18	CARTRIDGE / CHECK (2)	REF
25	7-244-31	VALVE / ELECTRIC 4-WAY (2)	REF
26	7-234-35	VALVE / CHECK	REF
27	7-356-13	CARTRIDGE / PARKING BRAKE VALVE	REF
28	7-356-01	VALVE / RELIEF / GEAR PUMP	REF
29	7-234-86	VALVE / REDUCING	REF
30	7-234-85	VALVE BODY / for REDUCING VALVE	REF
31	7-234-15	CARTRIDGE / for REDUCING VALVE	REF
32	7-234-55	CARTRIDGE / CHECK	REF
33	7-234-53	CARTRIDGE / COUNTER BALANCE (4)	REF
34	7-368-02	AXLE ASSEMBLY / FRONT	REF
35	7-368-01	AXLE ASSEMBLY / REAR	REF
36	7-356-11	CARTRIDGE / RELIEF / GEAR PUMP	REF
37	7-303-02	PRESSURE SWITCH / CLUTCH CUT-OFF	REF
38	7-356-02	VALVE / MANUAL PARKING BRAKE	REF
39	7-198-41	PRESSURE SWITCH / PARKING BRK. LT.	REF
40	7-366-01	VALVE ASSY / AUXILIARY HYDRAULICS	REF
41	1-1221	RESTRICTOR FITTING / 90	REF
42	7-256-30	ORBITRAL / STEERING	REF


TO MANIFOLD BLOCK (REF. P4-1852)
TO ORBITRAL
REF. P4-1851
BOOM
LIFT
TILT
GEAR PUMP
PISTON PUMP
23
34
36
51,52
30,31,50
48,1
26
22
49,31,50
42
34
35
22
54
38
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2
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13
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20
43
19
29,30,31
9
6,7,8
5
11
44,45,46

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6284-07	MACHINE SCREW #10-32 x 1/2 LG.	6
2	6-6428-13	FITTING / 24 NPT x 24 JIC 90 LONG	1
3	6-6408-07	FITTING / 16 NPT HOLLOW HEX PLUG	1
4	6-6427-21	FITTING / 16 NPT x 16 JIC 90	1
5	6-7190-84	HOSE / 24 x 24-90 SF x 42 LG.	1
6	7-107-04	SPLIT FLANGE / 1 1/2 / HALF ONLY	2
7	6-5208-10	CAPSCREW 1/2 NC x 1 1/4 LG.	4
8	6-6214-08	LOCKWASHER 1/2 HI-COLLAR	REF
9	7-209-121	O-RING / 1 1/2 SPLIT FLANGE	1
10	6-7008-43	HOSE / 16 x 16 x 21 1/2 LG.	1
11	6-6453-19	FITTING / 16 OR x 16 JIC 90	1
12	6-6432-15	FITTING / 08 NPT x 08 JIC RN-TEE	1
13	6-6426-10	FITTING / 08 NPT x 06 JIC 45	1
14	7-356-01	RELIEF VALVE / GEAR PUMP	1
15	6-6450-12	FITTING / 08 OR x 08 JIC STR.	1
16	6-6454-06	FITTING / 08 OR x 08 JIC BR-TEE	1
17	6-6481-06	FITTING / 08 JIC SW-RN-TEE	1
18	6-6495-01	FITTING / 08 JIC x 04 JIC REDUCER	1
19	6-7022-172	HOSE / 04 x 04-90 x 86 LG.	1
20	7-256-27	MALE PRESSURE CHECK	1
21	6-7024-60	HOSE / 08 x 08-90 x 30 LG.	1
22	6-6436-01	FITTING / 20 OR x 20 NPT STR.	2
23	3-1376	MANIFOLD BLOCK	1
24	6-6452-10	FITTING / 16 OR x 16 JIC 45	1
25	6-7008-146	HOSE / 16 x 16 x 73 LG.	1
26	6-6452-21	FITTING / 20 OR x 16 JIC 45	1
27	6-6452-08	FITTING / 12 OR x 12 JIC 45	1
28	6-7156-188	HOSE / 12 x 16-90 SF x 94 LG.	1
29	7-158-36	SPLIT FLANGE / 1 IN. / HALF ONLY	2
30	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	5
31	6-6211-06	LOCKWASHER 3/8	7
32	7-209-67	O-RING / 1 IN. SPLIT FLANGE	1
33	6-6450-33	FITTING / 16 OR x 10 JIC STR.	1
34	6-6453-09	FITTING / 08 OR x 08 JIC 90	2
35	6-6457-06	FITTING / 08 OR HEX HEAD PLUG	1
36	6-6452-04	FITTING / 08 OR x 08 JIC 45	1
37	6-7004-70	HOSE / 08 x 08 x 35 LG.	1
38	7-161-01	SIGHT GAGE / OIL RESERVOIR	1
39	6-7014-88	HOSE / 08 x 08 x 44 LG.	1
40	6-6453-12	FITTING / 10 OR x 10 JIC 90	1
41	6-6450-14	FITTING / 12 0R x 08 JIC STR.	1
42	6-7203-194	HOSE / 06 x 06 x 97 LG.	REF
43	1-1215	MOUNT / PRESSURE CHECK PORT	1
44	6-5204-10	CAPSCREW 1/4 NC x 1 1/4 LG.	2
45	6-6211-04	LOCKWASHER 1/4	2
46	6-6201-04	HEX NUT 1/4 NC	2
47	4-1823	HYDRAULIC OIL RESERVOIR	1
48	7-354-01	CAP / FILLER-BREATHER	1
49	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	2
50	6-6212-06	FLATWASHER 3/8	3
51	7-256-23	FILTER / RETURN	1

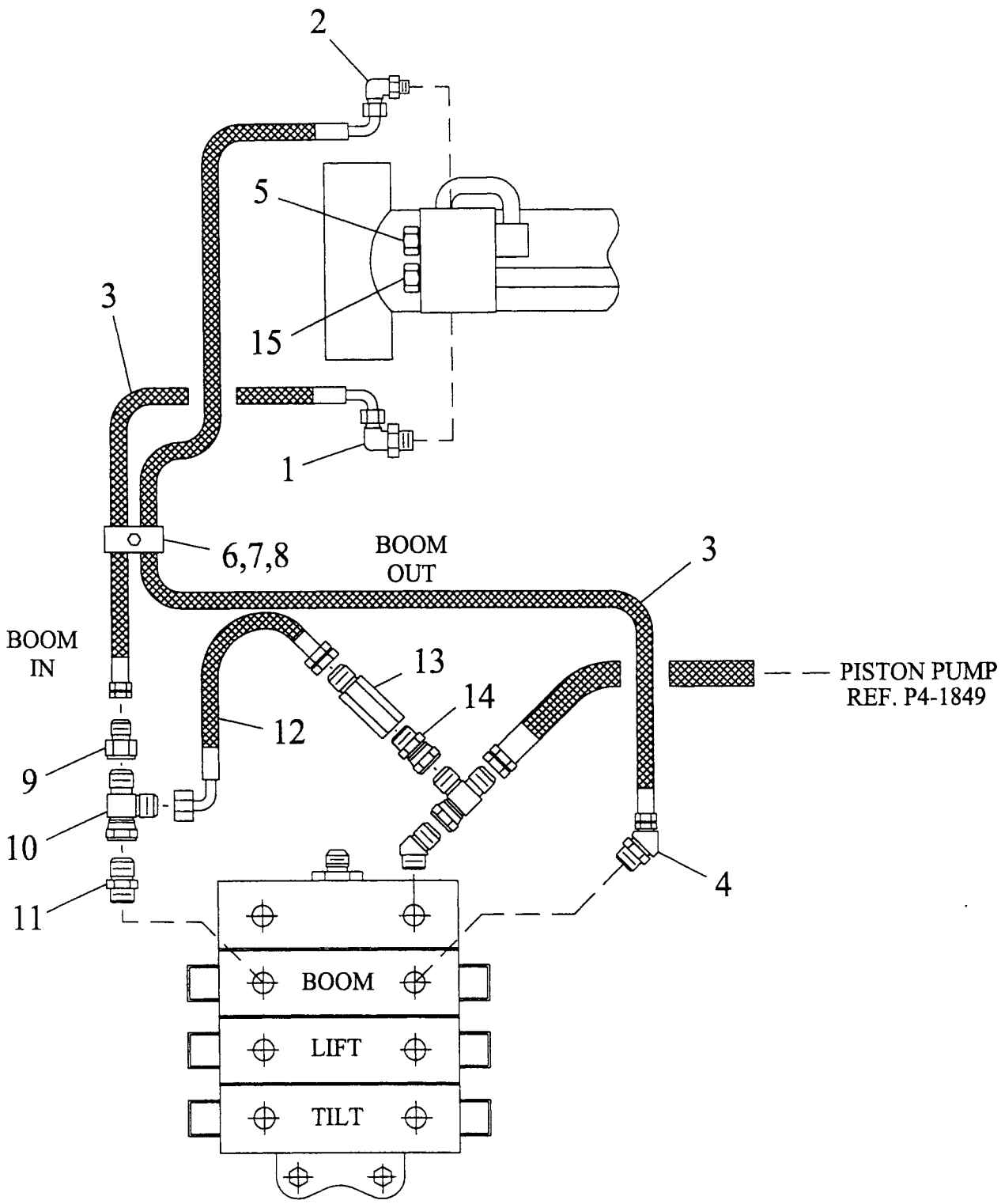
ITEM	NUMBER	DESCRIPTION	REQD
52	7-272-10	GAGE / RETURN FILTER	1
53	6-6406-14	FITTING / 20 NPT x 16 NPT REDUCER	1
54	7-256-05	ELEMENT / RETURN FILTER	1
55	6-6495-04	FITTING / 10 JIC x 06 JIC REDUCER	1
56	6-6481-08	FITTING / 12 JIC SW-RN-TEE	1

NOTES



22	PAGE NUMBER	CIRCUIT / LIFT TH528		DRAWING NUMBER	P4-1850

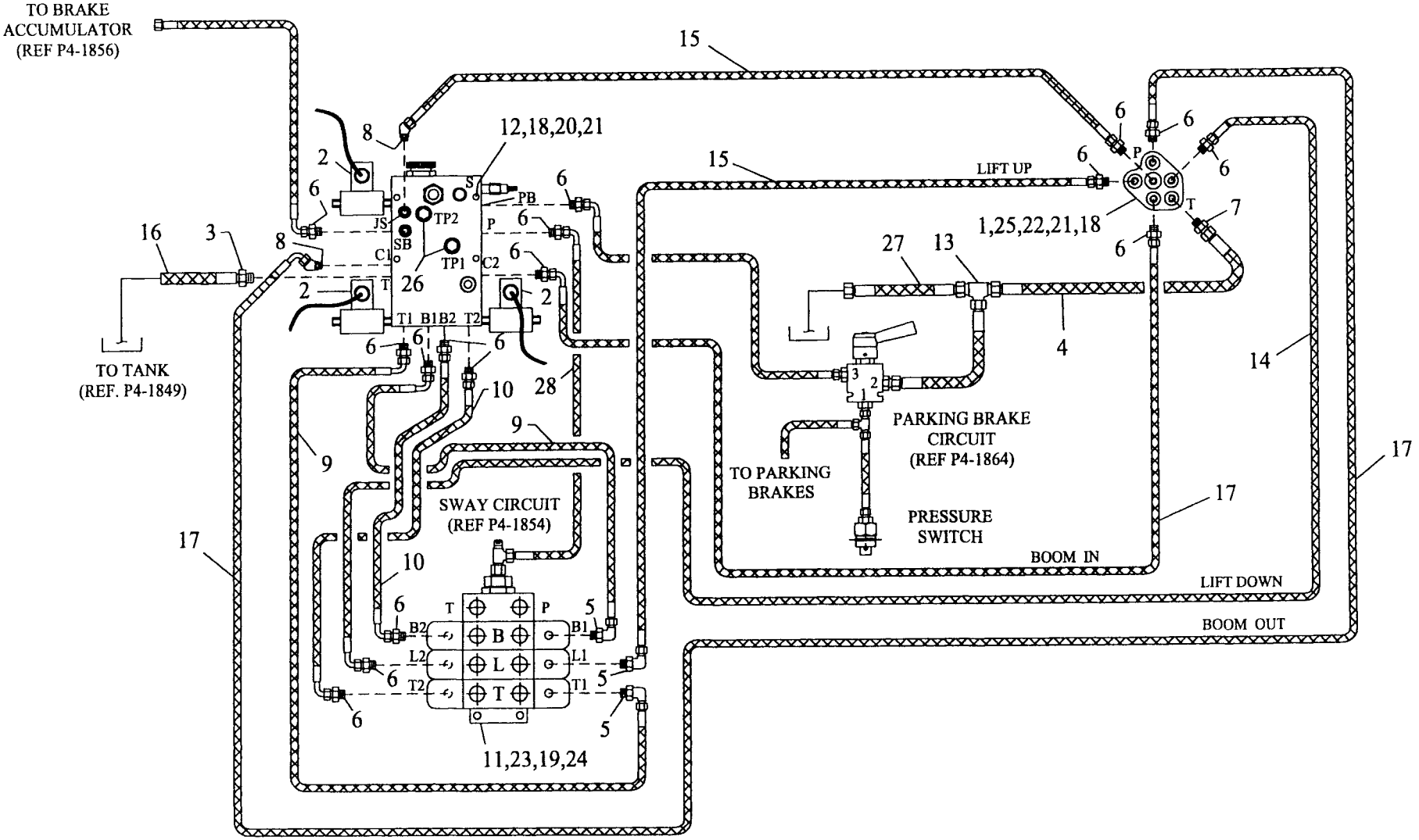
ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-16	FITTING / 10 OR x 10 JIC STR.	3
2	6-6453-12	FITTING / 10 OR x 10 JIC 90	1
3	6-6481-07	FITTING / 10 JIC SW-RN-TEE	2
4	6-7005-44	HOSE / 10 x 10 x 22 LG.	1
5	6-6452-17	FITTING / 12 OR x 10 JIC 45	2
6	6-7025-136	HOSE / 10 x 10-90 x 68 LG.	2
7	7-234-53	CARTRIDGE / COUNTERBALANCE	2
8	6-7025-44	HOSE / 10 x 10-90 x 22 LG.	1



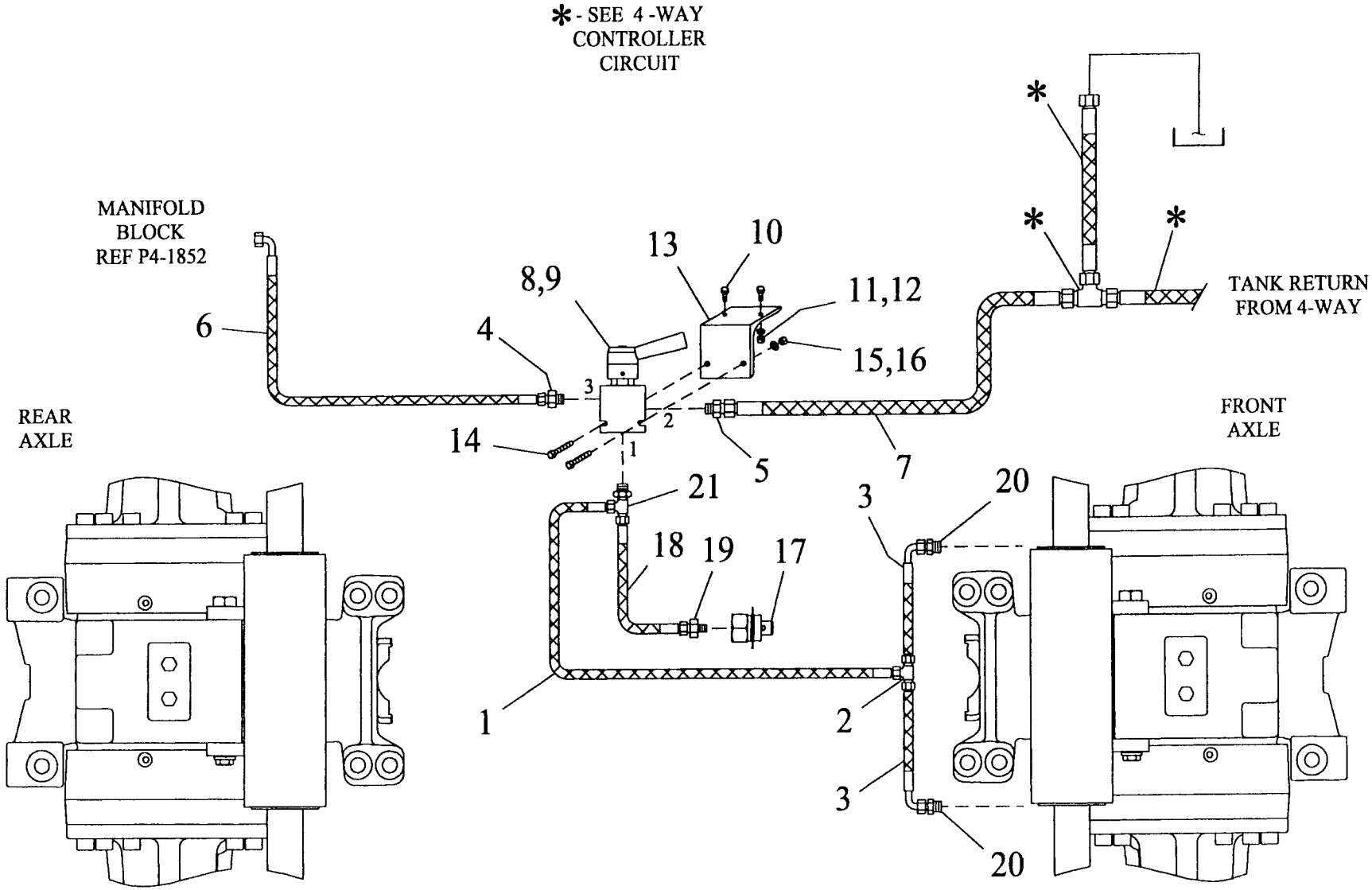
23	PAGE NUMBER	CIRCUIT / BOOM TH528	DRAWING NUMBER	P4-1851

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6453-10	FITTING / 10 OR x 08 JIC 90	1
2	6-6453-10	FITTING / 10 OR x 08 JIC 90	1
3	6-7044-190	HOSE / 10 x 08-90 x 95 LG.	2
4	6-6452-17	FITTING / 12 OR x 10 JIC 45	1
5	7-234-55	CARTRIDGE / CHECK	1
6	7-273-25	CLAMP HALF SET / 1/2 TWIN HOSE	1
7	7-273-26	COVER PLATE / 1/2 HOSE CLAMP	1
8	6-5205-14	CAPSCREW 5/16 NC x 1 3/4 LG.	1
9	6-6495-05	FITTING / 10 M. JIC x 12 F. JIC STR	1
10	6-6481-08	FITTING / 12 JIC SW-RN-TEE	1
11	7-372-03	CHECK VALVE	1
12	6-7026-50	HOSE / 12 x 12-90 x 25 LG.	1
13	7-372-02	CHECK VALVE	1
14	6-6485-04	FITTING / 12 OR x 12 F. JIC SW. STR	1
15	7-234-89	CAVITY PLUG	1

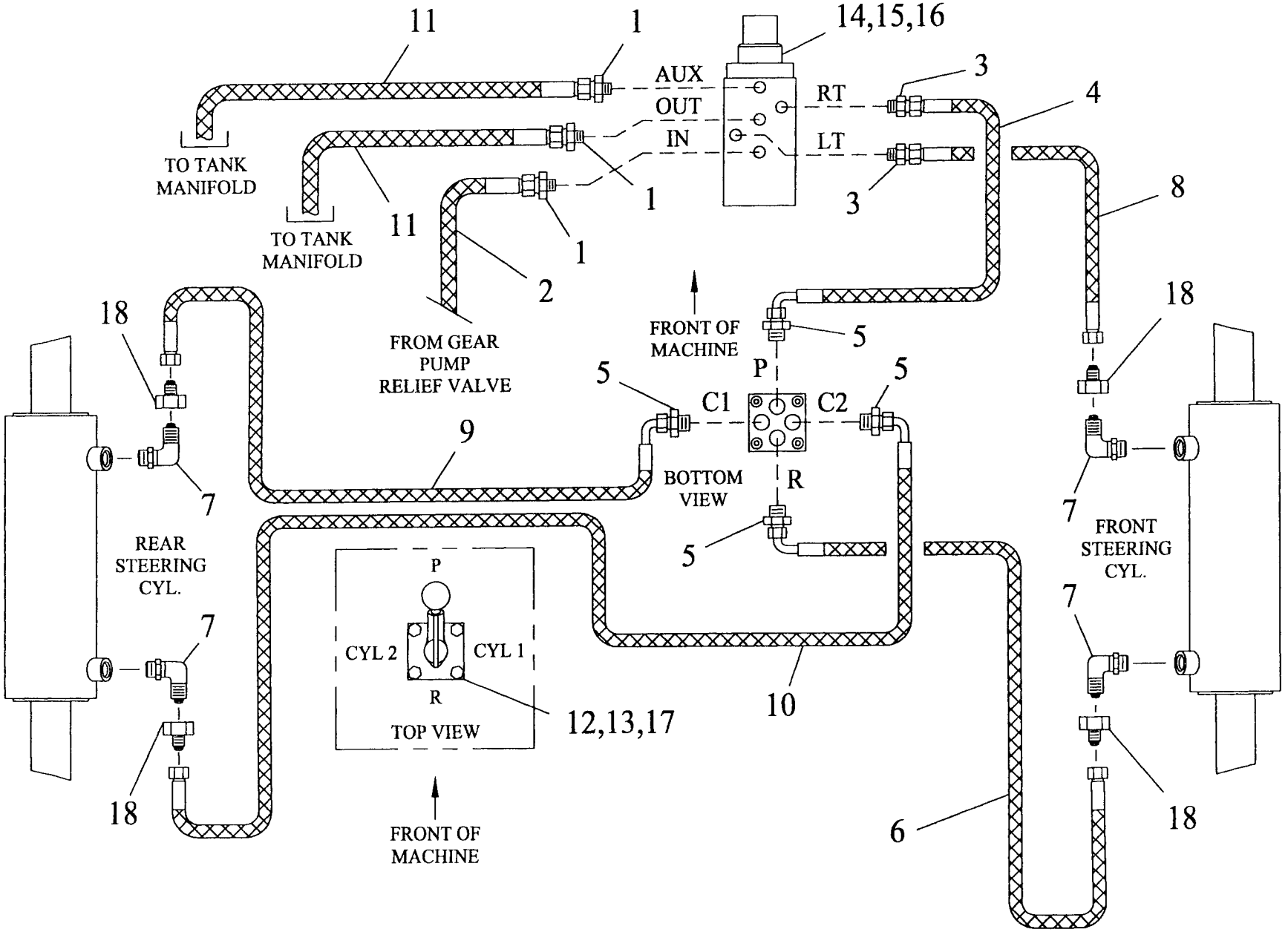
CIRCUIT / 4-WAY CONTROLLER TH528



ITEM	NUMBER	DESCRIPTION	REQD
1	7-358-03	4-WAY CONTROLLER	1
2	7-244-27	DIN CONNECTOR	3
3	6-6450-09	FITTING / 08 OR x 06 JIC STR.	1
4	6-7013-42	HOSE / 06 x 08 x 21 LG.	1
5	6-6453-04	FITTING / 06 OR x 04 JIC 90	3
6	6-6450-05	FITTING / 06 OR x 04 JIC STR.	16
7	6-6450-08	FITTING / 06 OR x 06 JIC STR.	1
8	6-6452-19	FITTING / 06 OR x 04 JIC 45	2
9	6-7222-48	HOSE / 04 x 04-90 x 24 LG.	2
10	6-7222-74	HOSE / 04 x 04-90 x 37 LG.	2
11	7-370-02	VALVE ASSEMBLY / 3 SECTION	1
12	7-358-06	MANIFOLD BLOCK	1
13	6-6482-06	FITTING / 08 JIC TEE	1
14	6-7222-216	HOSE / 04 x 04-90 x 108 LG.	1
15	6-7202-182	HOSE / 04 x 04 x 91 LG.	2
16	6-7203-194	HOSE / 06 x 06 x 97 LG.	1
17	6-7222-182	HOSE / 04 x 04-90 x 91 LG.	2
18	6-6201-04	HEX NUT 1/4 NC	6
19	6-6211-08	LOCKWASHER 1/2	4
20	6-5204-32	CAPSCREW 1/4 NC x 4 LG.	2
21	6-6211-04	LOCKWASHER 1/4	6
22	6-6212-04	FLATWASHER 1/4	4
23	6-5208-14	CAPSCREW 1/2 NC x 1 3/4 LG.	4
24	6-6201-08	HEX NUT 1/2 NC	4
25	7-290-03	CARRIAGE BOLT 1/4 NC x 1 LG.	4
26	7-256-33	MALE PRESSURE CHECK	2
27	6-7133-128	HOSE / 08 x 08 x 64 LG.	1
28	6-7042-44	HOSE / 06 x 04-90 x 22 LG.	1


* - SEE 4 -WAY CONTROLLER CIRCUIT
MANIFOLD BLOCK REF P4-1852
TANK RETURN FROM 4-WAY
REAR AXLE
FRONT AXLE
6
4
8,9
13
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11,12
15,16
14
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21
18
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ITEM	NUMBER	DESCRIPTION	REQD
1	6-7002-276	HOSE / 04 x 04 x 138 LG.	1
2	6-6482-03	FITTING / 04 JIC TEE	1
3	6-7022-44	HOSE / 04 x 04-90 x 22 LG.	2
4	6-6450-05	FITTING / 06 OR x 04 JIC STR.	1
5	6-6450-08	FITTING / 06 OR x 06 JIC STR.	1
6	6-7222-196	HOSE / 04 x 04-90 x 98 LG.	1
7	6-7013-60	HOSE / 06 x 08 x 30 LG.	1
8	7-356-02	VALVE / PARKING BRAKE	1
9	7-356-03	HANDLE KIT / PARKING BRAKE VALVE	1
10	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
11	6-6201-05	HEX NUT 5/16 NC	2
12	6-6211-05	LOCKWASHER 5/16	2
13	2-1205	MOUNTING BRACKET / BRAKE VALVE	1
14	6-5204-16	CAPSCREW 1/4 NC x 2 LG.	2
15	6-6201-04	HEX NUT 1/4 NC	2
16	6-6211-04	LOCKWASHER 1/4	2
17	7-198-41	PRESSURE SWITCH / PARKING BRAKE	1
18	6-7002-17	HOSE / 04 x 04 x 8 1/2 LG.	1
19	6-6425-03	FITTING / 02 NPT x 04 JIC STR.	1
20	6-6450-03	FITTING / 04 OR x 04 JIC STR.	2
21	6-6455-15	FITTING / 06 OR x 04 JIC RN-TEE.	1

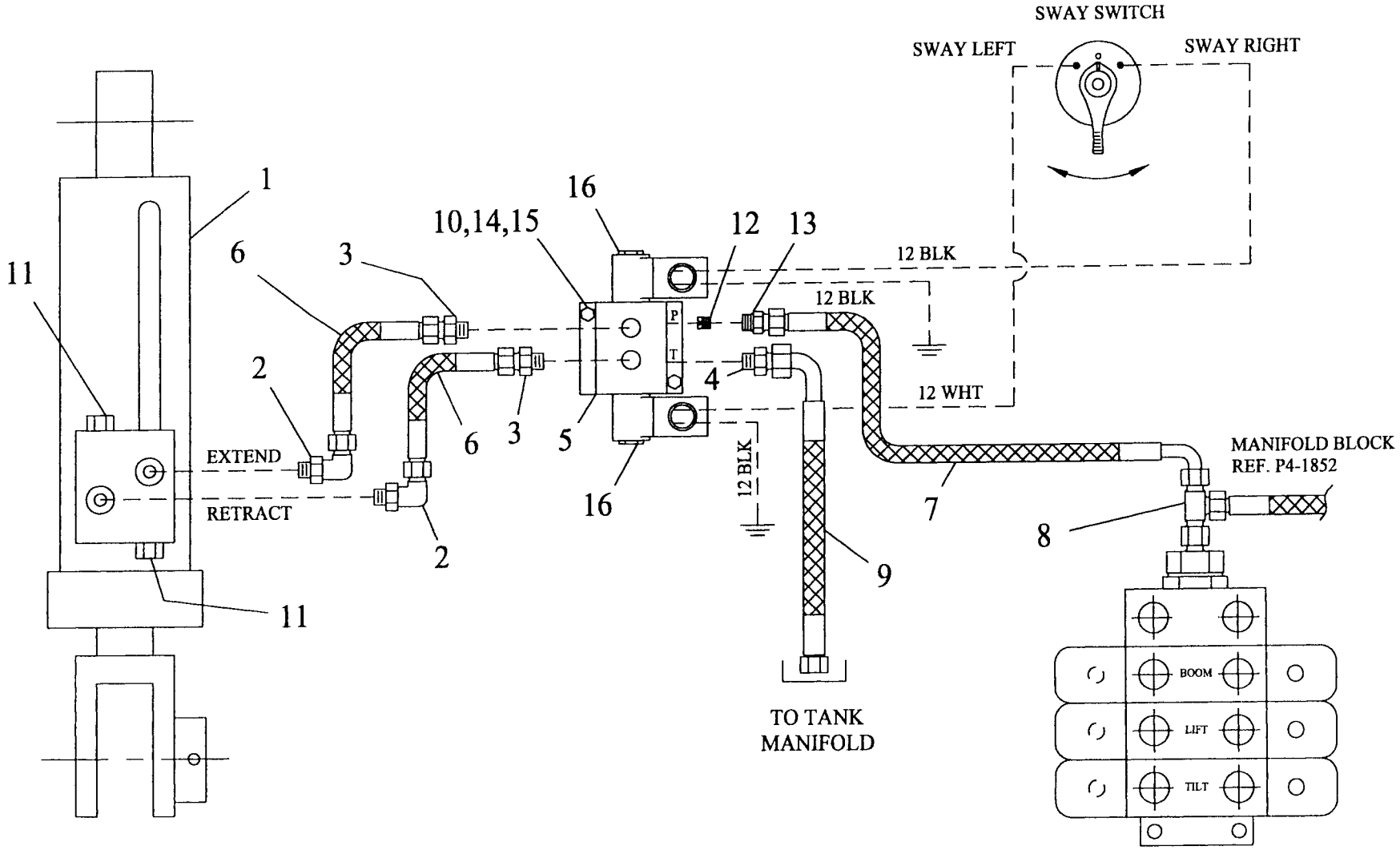

11
1
14,15,16
AUX
OUT
IN
RT
LT
3
4
TO TANK MANIFOLD
TO TANK MANIFOLD
11
1
1
3
8
2
FROM GEAR PUMP RELIEF VALVE
FRONT OF MACHINE
18
5
P
5
5
C1
C2
9
BOTTOM VIEW
R
18
7
7
REAR STEERING CYL.
5
FRONT STEERING CYL.
7
P
7
CYL 2
CYL 1
R
TOP VIEW
12,13,17
10
18
FRONT OF MACHINE
6
18

ITEM	NUMBER	DESCRIPTION	REQD
1	6-6450-11	FITTING / 06 OR x 08 JIC STR.	3
2	6-7024-112	HOSE / 08 x 08-90 x 56 LG.	1
3	6-6450-08	FITTING / 06 OR x 06 JIC STR.	2
4	6-7023-62	HOSE / 06 x 06-90 x 31 LG.	1
5	6-6450-09	FITTING / 08 OR x 06 JIC STR.	4
6	6-7023-252	HOSE / 06 x 06-90 x 126 LG.	1
7	7-371-02	FITTING / 18mm OR x 08 JIC 90	4
8	6-7003-232	HOSE / 06 x 06 x 116 LG.	1
9	6-7023-244	HOSE / 06 x 06-90 x 122 LG.	1
10	6-7023-272	HOSE / 06 x 06-90 x 136 LG.	1
11	6-7004-134	HOSE / 08 x 08 x 67 LG.	2
12	6-5205-06	CAPSCREW 5/16 NC x 3/4 LG.	4
13	6-6211-05	LOCKWASHER 5/16	4
14	6-5205-12	CAPSCREW 5/16 NC x 1 1/2 LG.	4
15	6-6211-05	LOCKWASHER 5/16	4
16	1-1029	SPACER / ORBITRAL	4
17	7-359-02	VALVE / STEERING SELECTOR	1
18	6-6495-02	FITTING / 08 OR x 06 JIC RED. - EXP.	4

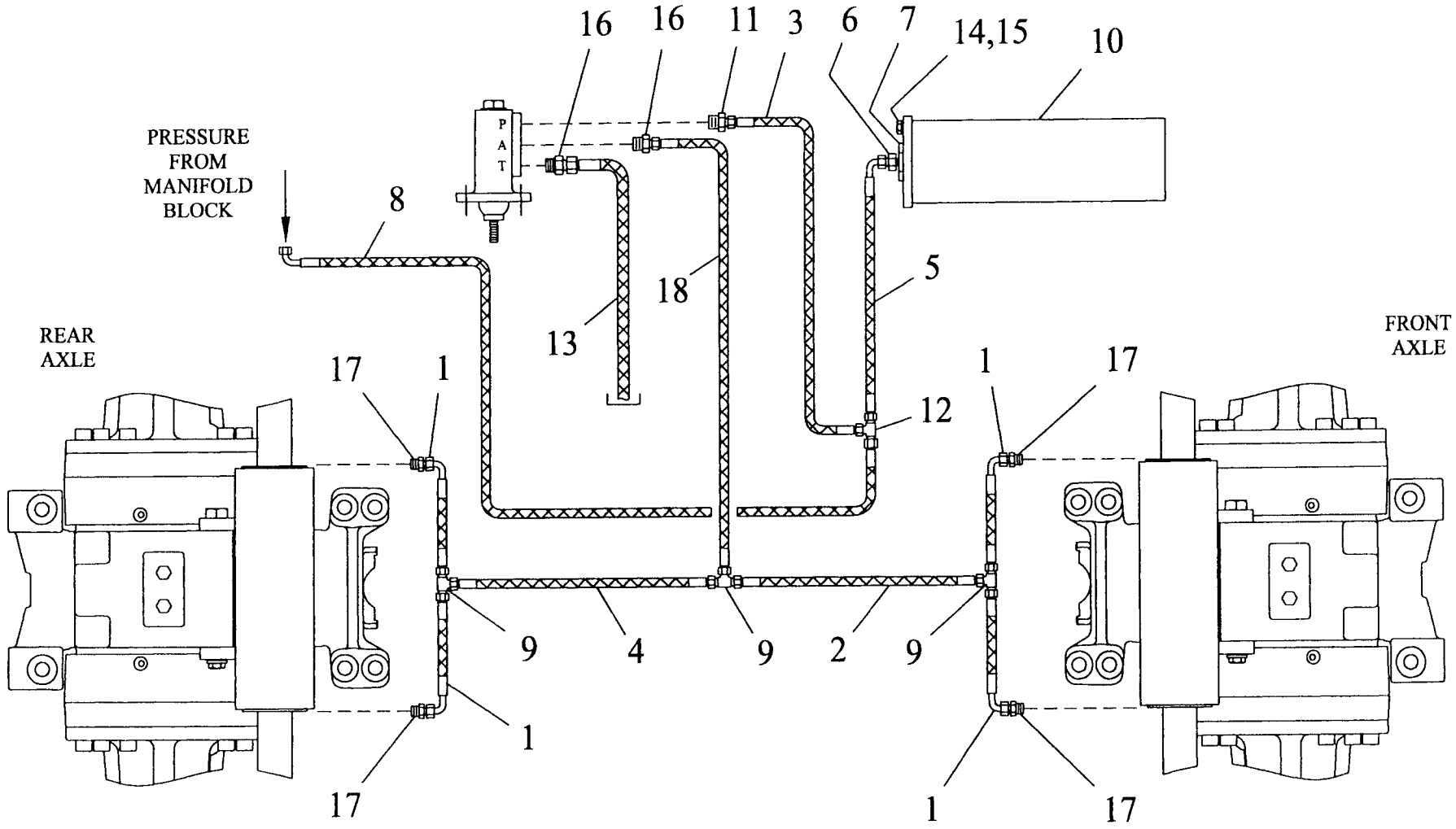
PAGE NUMBER 27

CIRCUIT / SWAY
TH528

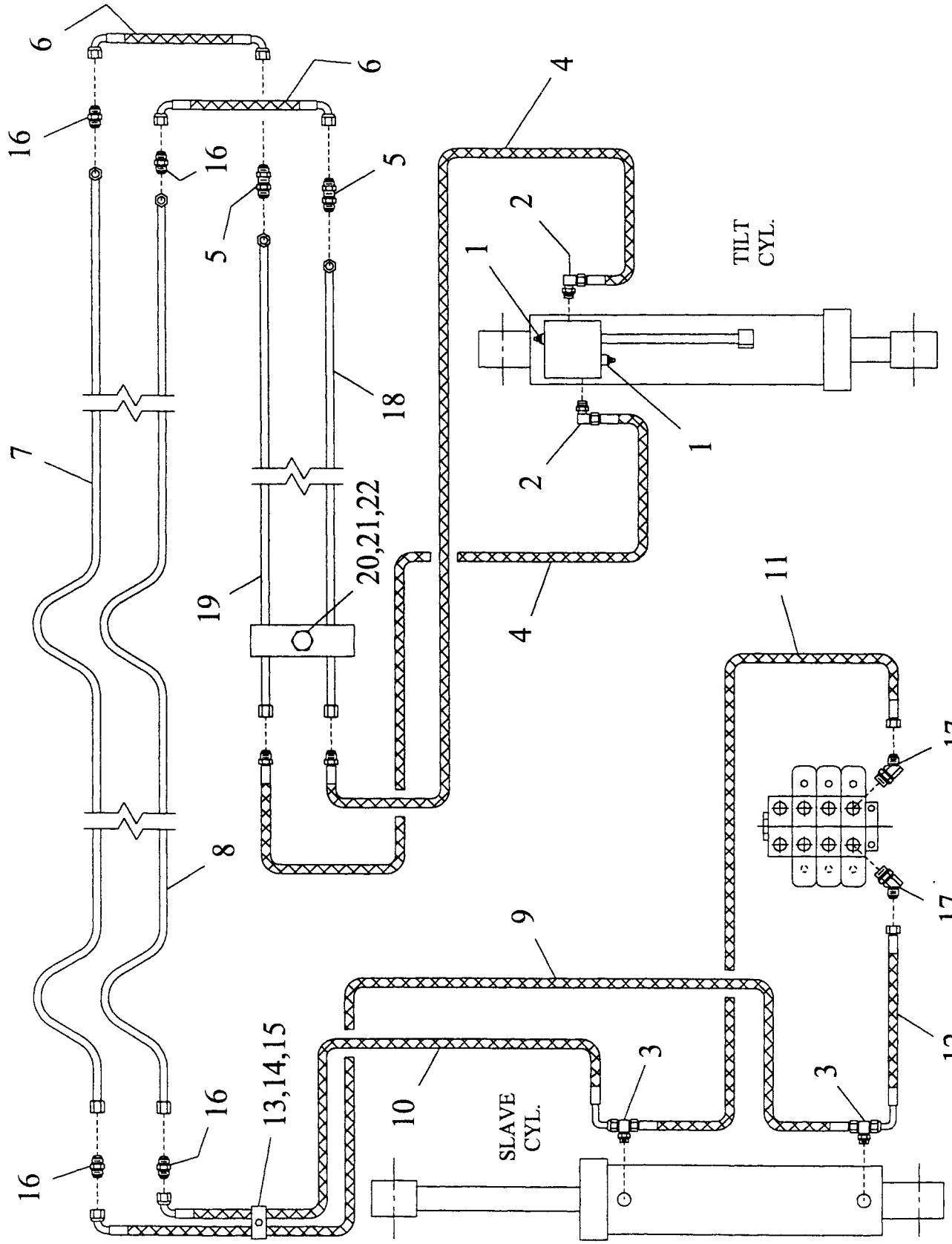
DRAWING NUMBER P4-1854



ITEM	NUMBER	DESCRIPTION	REQD
1	7-316-194	CYLINDER / SWAY	REF
2	6-6453-06	FITTING / 06 OR x 06 JIC 90	2
3	6-6450-08	FITTING / 06 OR x 06 JIC STR.	2
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	6-6481-05	FITTING / 06 JIC SW-RN-TEE	1
9	6-7024-164	HOSE / 08 x 08-90 x 82 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	6-6212-04	FLATWASHER 1/4	2
16	7-244-27	DIN CONNECTOR	2

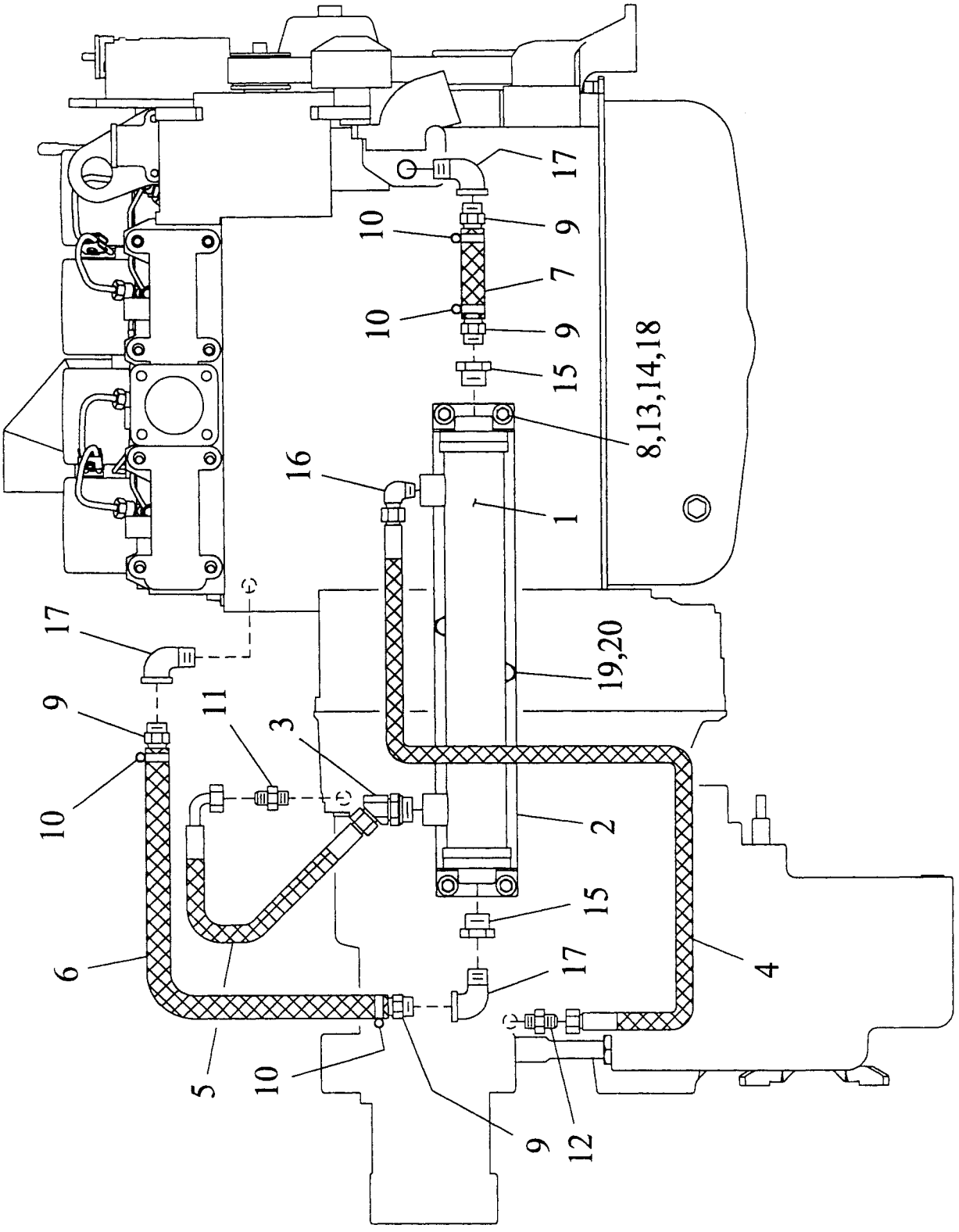

16
16
11
3
6
7
14,15
10
PRESSURE FROM MANIFOLD BLOCK
8
P
A
T
18
5
13
12
REAR AXLE
FRONT AXLE
17
1
1
17
9
4
9
2
9
1
17
1
17

ITEM	NUMBER	DESCRIPTION	REQD
1	6-7242-34	HOSE / 06 x 04-90 x 17 LG.	4
2	6-7003-130	HOSE / 06 x 06 x 65 LG.	1
3	6-7002-100	HOSE / 04 x 04 x 50 LG.	1
4	6-7003-150	HOSE / 06 x 06 x 75 LG.	1
5	6-7022-154	HOSE / 04 x 04-90 x 77 LG.	1
6	6-6425-03	FITTING / 02 NPT x 04 JIC STR.	1
7	1-2014	FITTING / 20 OR x 02 NPT REDUCER	1
8	6-7022-160	HOSE / 04 x 04-90 x 80 LG.	1
9	6-6482-05	FITTING / 06 JIC TEE	3
10	7-256-25	ACCUMULATOR / BRAKE	1
11	6-6450-06	FITTING / 08 OR x 04 JIC STR.	1
12	6-6482-03	FITTING / 04 JIC TEE	1
13	6-7013-120	HOSE / 06 x 08 x 60 LG.	1
14	6-5308-08	CAPSCREW 1/2 NF x 1 LG.	3
15	6-6211-08	LOCKWASHER 1/2	3
16	6-6450-09	FITTING / 08 OR x 06 JIC STR.	2
17	6-6450-03	FITTING / 04 OR x 04 JIC STR.	4
18	6-7003-100	HOSE / 06 x 06 x 50 LG.	1



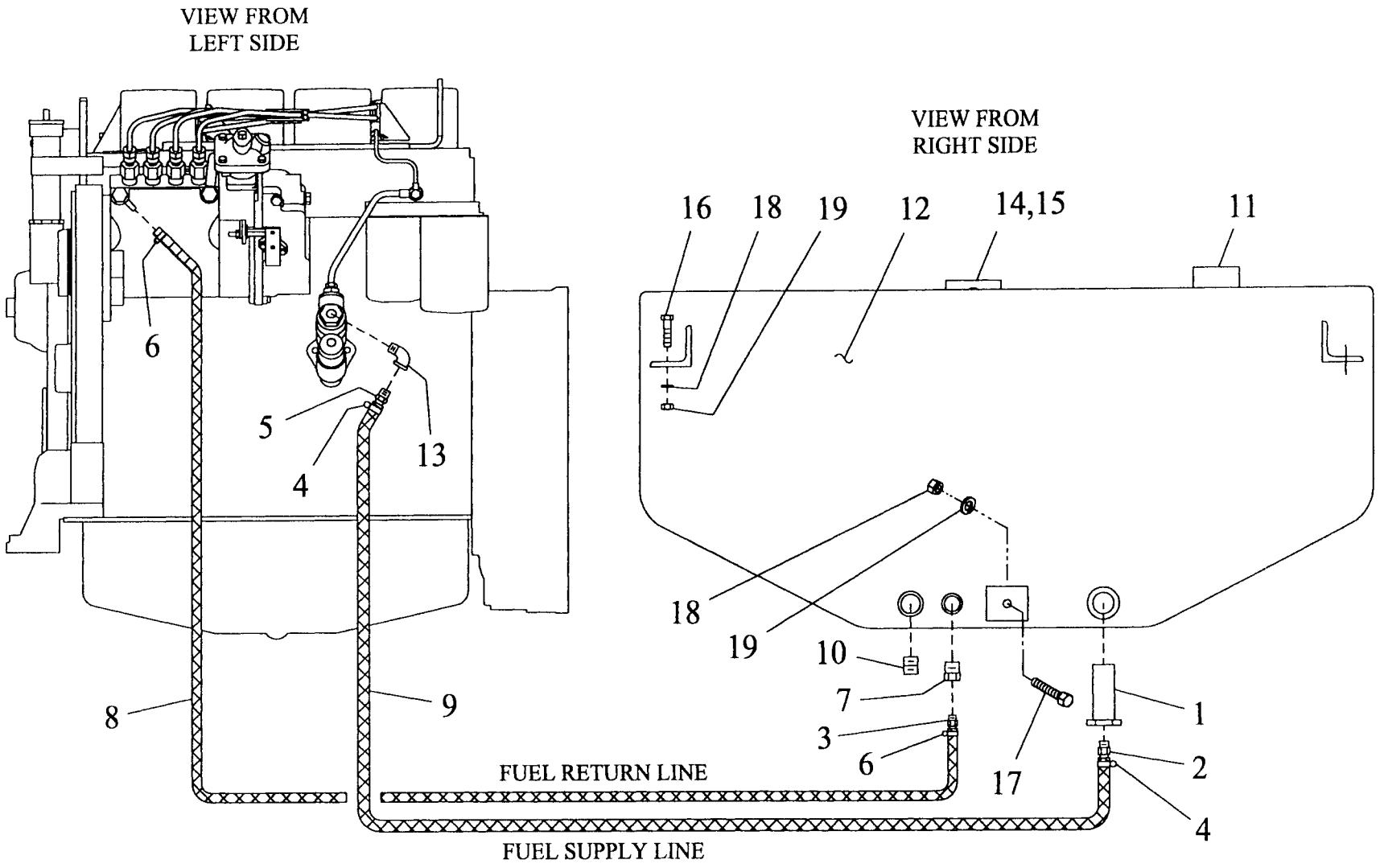
29	PAGE NUMBER	CIRCUIT / TILT-SLAVE TH528	DRAWING NUMBER	P4-1865

ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-53	CARTRIDGE / COUNTERBALANCE	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	7-256-34	BONDED HOSE / 08 x 10 x 318 LG.	1
5	6-6475-07	FITTING / 10 JIC BH UNION	2
6	6-7060-28	HOSE / 10-90 x 10-90 x 14 LG.	2
7	4-1826-2	FORMED TUBING	1
8	4-1826-4	FORMED TUBING	1
9	6-7034-150	HOSE / 08 x 10-90 x 75 LG.	1
10	6-7064-116	HOSE / 08-90 x 10-90 x 58 LG.	1
11	6-7014-208	HOSE / 08 x 10 x 104 LG.	1
12	6-7044-160	HOSE / 10 x 08-90 x 80 LG.	1
13	7-273-25	CLAMP HALF SET / 1/2 TWIN HOSE	1
14	7-273-26	COVER PLATE / 1/2 HOSE CLAMP	1
15	6-5205-14	CAPSCREW 5/16 NC x 1 3/4 LG.	1
16	7-299-09	FITTING / 10 x 10 TUBE UNION	4
17	6-6452-17	FITTING / 12 OR x 10 JIC 45	2
18	4-1885-1	FORMED TUBE / SHORT	1
19	4-1885-2	FORMED TUBE / LONG	1
20	7-273-27	CLAMP HALF SET / 3/8 TWIN HOSE	1
21	6-5606-14	CAPSREW SH 3/8 NC x 1 3/4 LG.	1
22	6-6205-06	SELF LOCKING NUT 3/8 NC	1

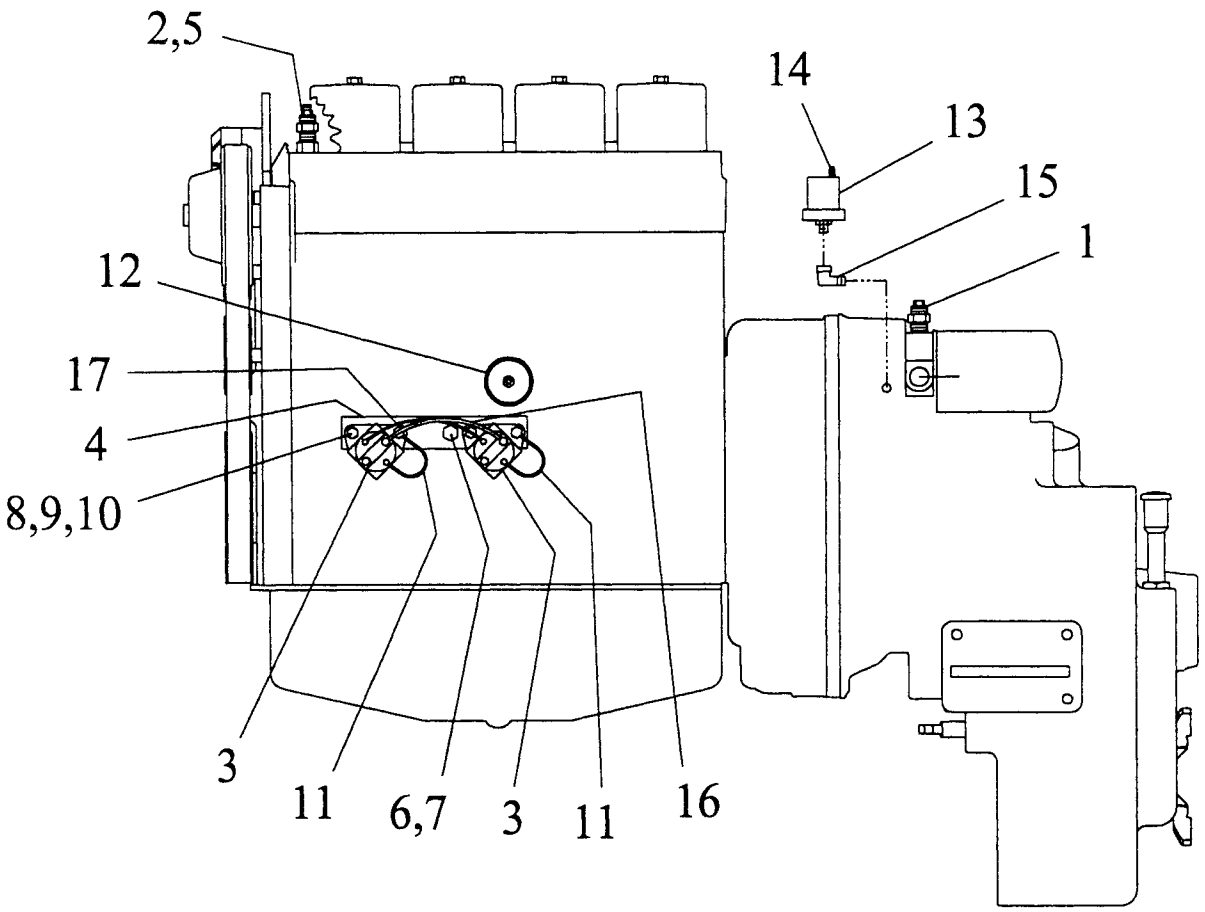


30	PAGE NUMBER	CIRCUIT / OIL COOLER TH528	DRAWING NUMBER	P4-1857

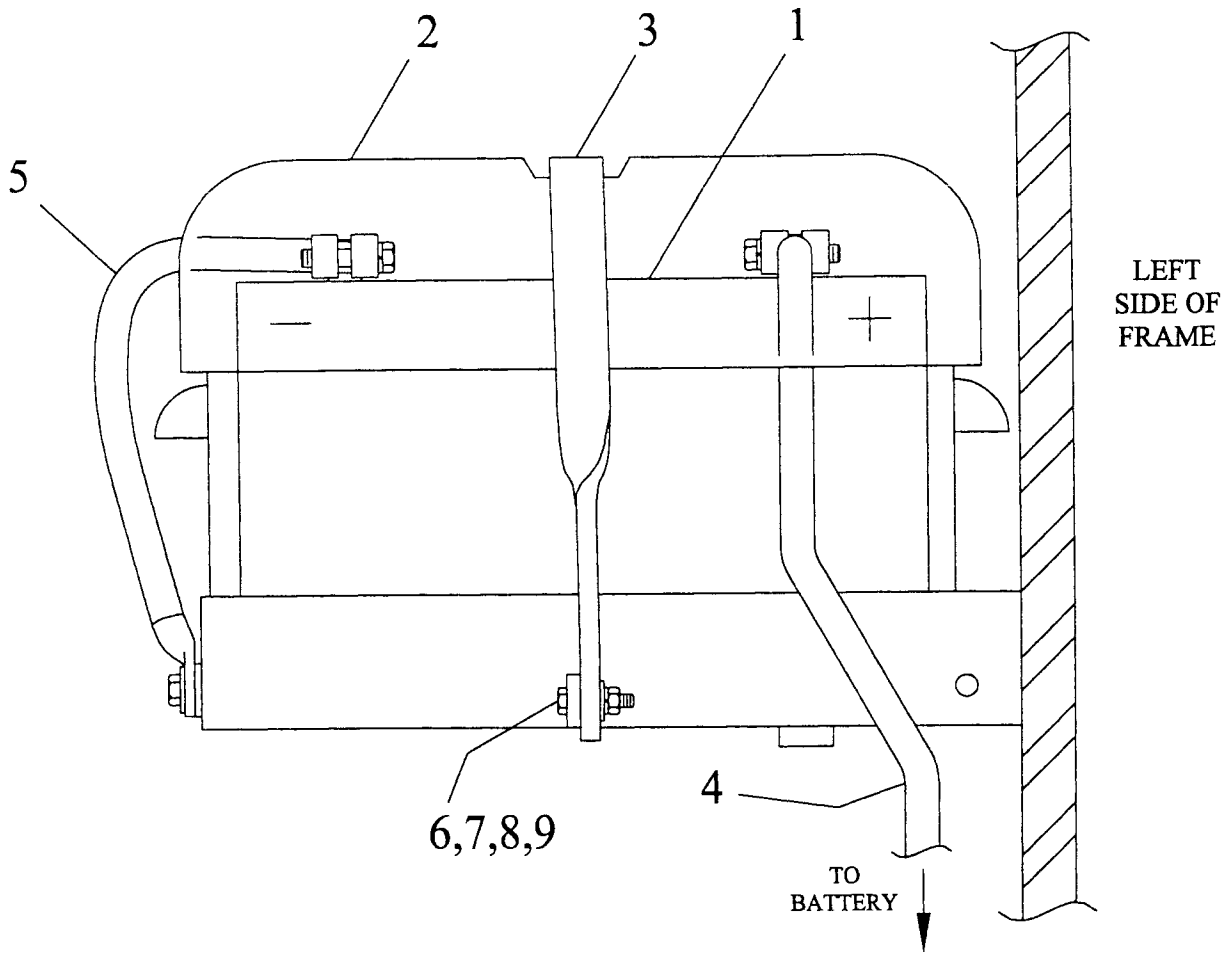
ITEM	NUMBER	DESCRIPTION	REQD
1	7-103-01	OIL COOLER	1
2	3-1365	MOUNT / OIL COOLER	1
3	6-6426-25	FITTING / 12 NPT x 10 JIC 45	1
4	6-7006-64	HOSE / 12 x 12 x 32 LG.	1
5	6-7025-82	HOSE / 10 x 10-90 x 41 LG.	1
6	6-9611-400	HOSE-HEATER 3/4 x 50 LG.	1
7	6-9611-72	HOSE-HEATER 3/4 x 9 LG.	1
8	6-6211-05	LOCKWASHER 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


VIEW FROM
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VIEW FROM
RIGHT SIDE
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FUEL RETURN LINE
FUEL SUPPLY LINE

ITEM	NUMBER	DESCRIPTION	REQD
1	7-272-05	FUEL STRAINER	1
2	6-6423-10	FITTING / 08 x 06 BRASS HOSE END	1
3	6-6423-04	FITTING / 02 x 05 BRASS HOSE END	1
4	6-6252-20	HOSE CLAMP / NO. 2	2
5	6-6423-08	FITTING / 04 x 06 BRASS HOSE END	1
6	6-6252-20	HOSE CLAMP / NO. 2	2
7	6-6406-06	FITTING / 08 NPT x 02 NPT REDUCER	1
8	6-9621-512	HOSE-FUEL 5/16 x 64 LG.	1
9	6-9605-320	HOSE-FUEL 3/8 x 40 LG.	1
10	6-6408-06	FITTING / NPT FLUSH PLUG / 3/4	1
11	7-264-01	FILLER CAP / FUEL	1
12	4-1824	FUEL TANK	1
13	6-6422-03	FITTING / 04 NPT 90 ST. ELB. BRASS	1
14	7-172-03	FUEL SENDER	1
15	6-6284-07	MACHINE SCREW #10-32 x 1/2 LG.	5
16	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	2
17	6-5206-16	CAPSCREW 3/8 NC x 2 LG.	1
18	6-6211-06	LOCKWASHER 3/8	3
19	6-6201-06	HEX NUT 3/8 NC	3

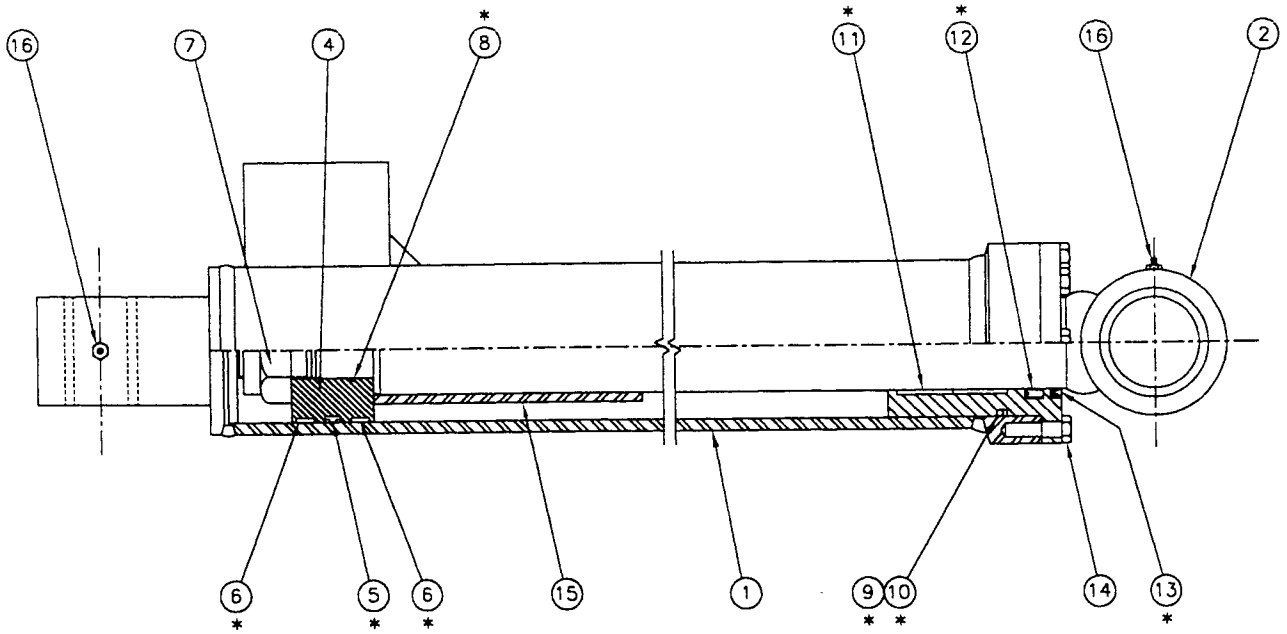


ITEM	NUMBER	DESCRIPTION	REQD
1	7-172-17	SENDER / TRANS. OIL TEMP.	1
2	7-172-09	SENDER / ENGINE WATER TEMP.	1
3	7-183-18	RELAY / STARTER	2
4	2-1220	MOUNT / STARTER RELAY	1
5	6-6406-04	FITTING / NPT REDUCER 1/2 x 3/8	1
6	6-8508-25	CAPSCREW 8mm x 1.25 x 25mm LG.	1
7	6-9111-08	LOCKWASHER 8mm	1
8	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	4
9	6-6211-04	LOCKWASHER 1/4	4
10	6-6212-04	FLATWASHER 1/4	4
11	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

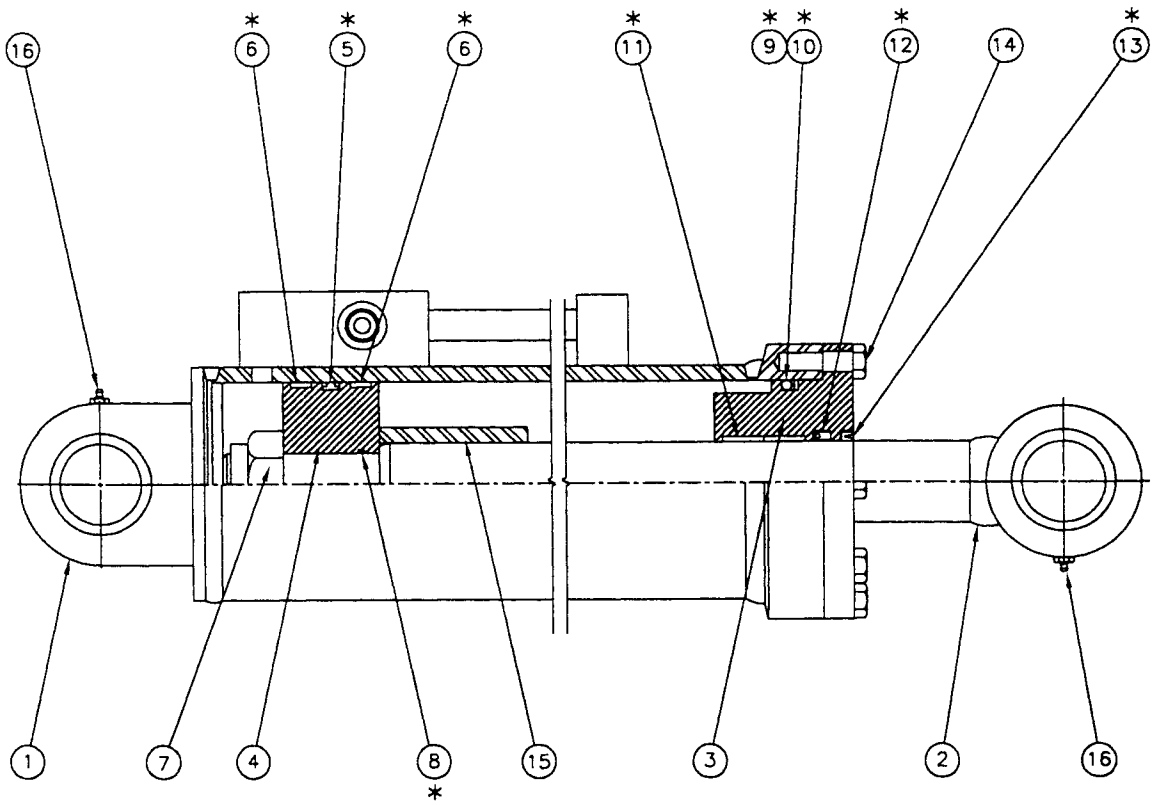


FACING REAR OF MACHINE

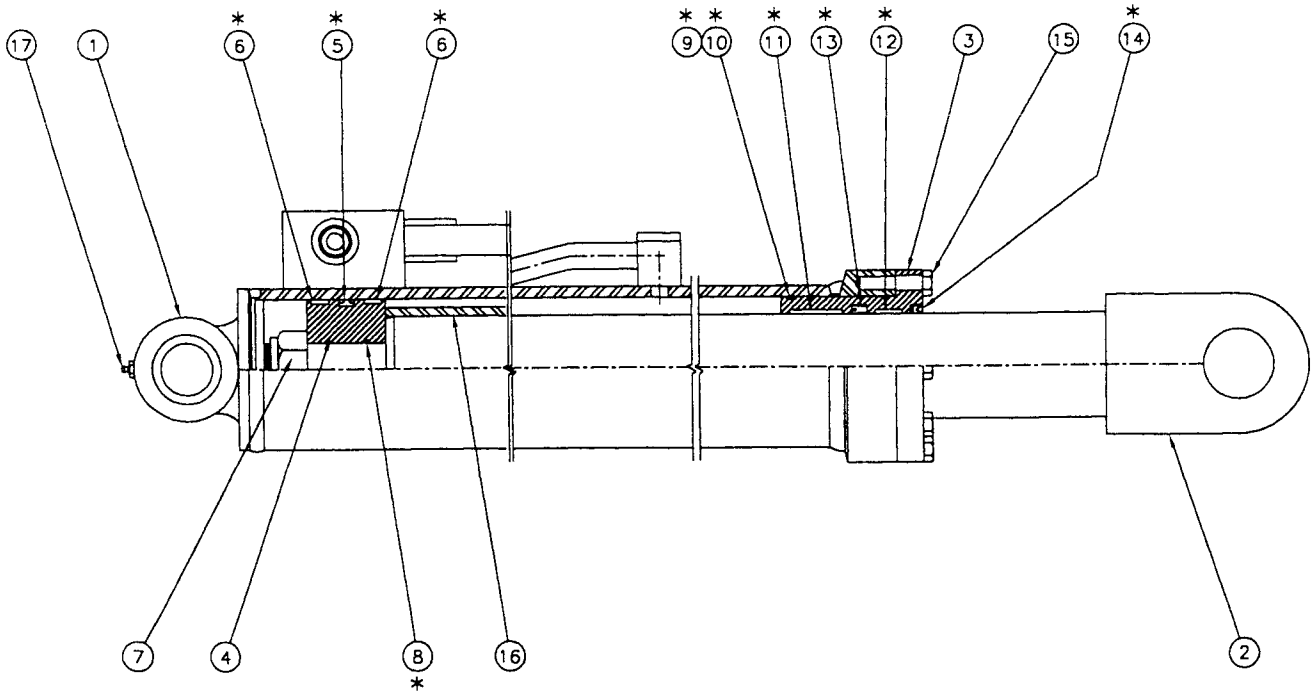
ITEM	NUMBER	DESCRIPTION	REQD
1	7-355-01	BATTERY	1
2	7-194-60	BATTERY BOX	1
3	7-330-03	TIE DOWN / 24 LG.	1
4	6-7801-180B	BATTERY CABLE / RED (POSITIVE)	1
5	6-7806-32B	BATTERY CABLE / BLACK (NEGATIVE)	1
6	6-5204-10	CAPSCREW 1/4 NC x 1 1/4 LG.	1
7	6-6212-04	FLATWASHER 1/4	1
8	6-6211-04	LOCKWASHER 1/4	1
9	6-6201-04	HEX NUT 1/4 NC.	1



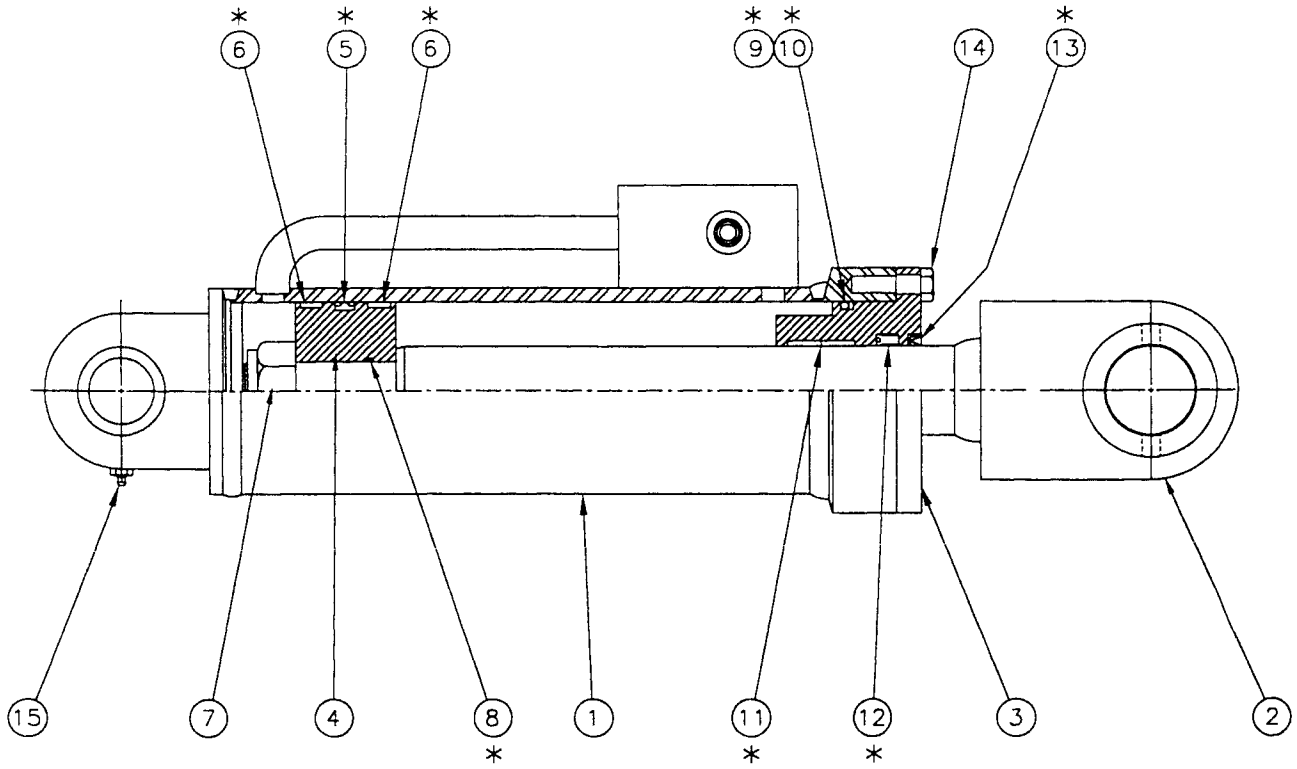
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-281	BARREL ASSEMBLY		1
2	7-316-202	ROD ASSEMBLY		1
3	7-316-284	HEAD		1
4	7-316-283	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-213	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP RING / HEAD	(*)	1
11	7-316-215	WEAR RING / HEAD	(*)	2
12	7-316-29	ROD SEAL	(*)	1
13	7-316-35	WIPER / SHAFT	(*)	1
14	7-316-95	HEX HEAD CAPSCREW		8
15	7-316-282	STROKE LIMITER		1
16	7-316-150	LUBE FITTING		3
17				
18	7-900-72	SEAL KIT / ITEMS MARKED	(*)	REF



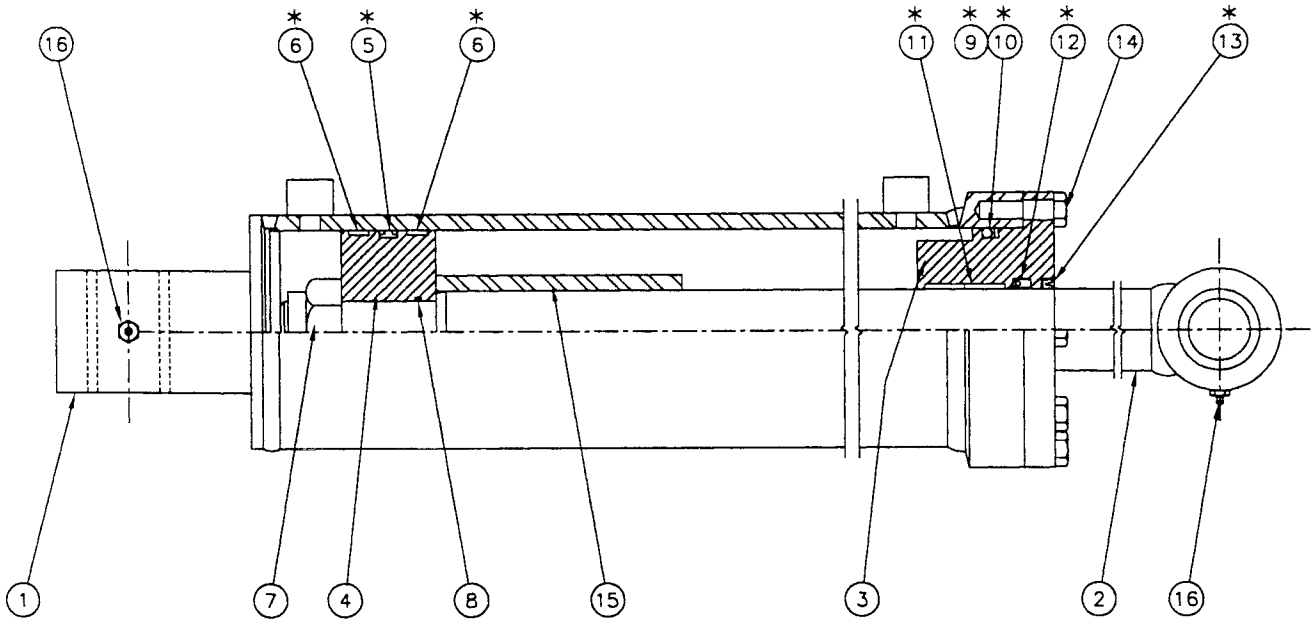
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-279	BARREL ASSEMBLY		1
2	7-316-280	ROD ASSEMBLY		1
3	7-316-277	HEAD		1
4	7-316-278	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-219	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP RING / HEAD	(*)	1
11	7-316-212	WEAR RING / HEAD	(*)	2
12	7-316-19	ROD SEAL	(*)	1
13	7-316-216	WIPER / SHAFT	(*)	1
14	7-316-97	HEX HEAD CAPSCREW		8
15	7-316-276	STROKE LIMITER		1
16	7-316-150	LUBE FITTING		2
17				
18	7-900-74	SEAL KIT / ITEMS MARKED	(*)	REF



ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-269	BARREL ASSEMBLY		1
2	7-316-270	ROD ASSEMBLY		1
3	7-316-273	HEAD		1
4	7-316-108	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-213	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	7-316-50	WEAR RING / HEAD	(*)	2
12	7-316-214	WEAR RING / HEAD	(*)	1
13	7-316-30	ROD SEAL	(*)	1
14	7-316-36	WIPER / SHAFT	(*)	1
15	7-316-272	HEX HEAD CAPSCREW		8
16	7-316-271	STROKE LIMITER		1
17	7-316-150	LUBE FITTING		1
18				
19	7-900-73	SEAL KIT / ITEMS MARKED	(*)	REF

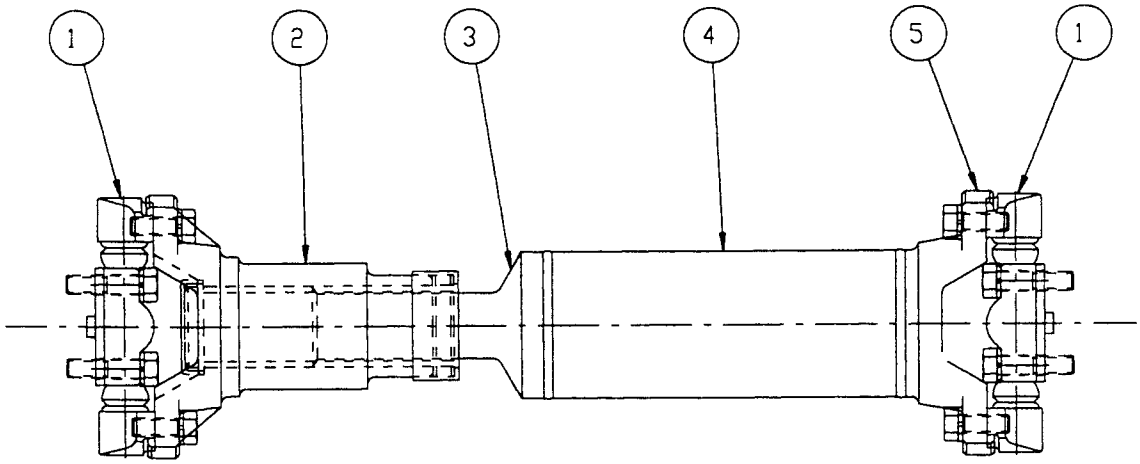


ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-285	BARREL ASSEMBLY		1
2	7-316-286	ROD ASSEMBLY		1
3	7-316-287	HEAD		1
4	7-316-108	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-213	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP RING / HEAD	(*)	1
11	7-316-43	WEAR RING / HEAD	(*)	2
12	7-316-19	ROD SEAL	(*)	1
13	7-316-216	WIPER / SHAFT	(*)	1
14	7-316-95	HEX HEAD CAPSCREW		8
15	7-316-150	LUBE FITTING		1
16				
17	7-900-76	SEAL KIT / ITEMS MARKED	(*)	REF

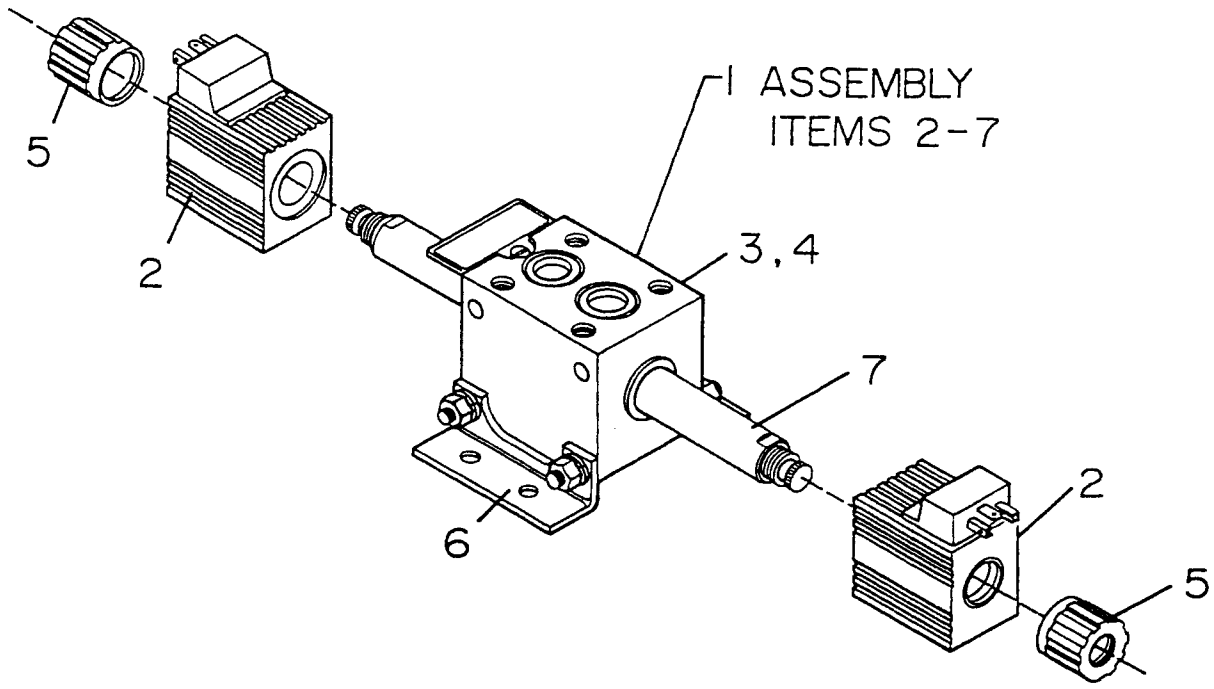


ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-274	BARREL ASSEMBLY		1
2	7-316-275	ROD ASSEMBLY		1
3	7-316-277	HEAD		1
4	7-316-278	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-219	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP RING / HEAD	(*)	1
11	7-316-212	WEAR RING / HEAD	(*)	2
12	7-316-19	ROD SEAL	(*)	1
13	7-316-216	WIPER / SHAFT	(*)	1
14	7-316-97	HEX HEAD CAPSCREW		8
15	7-316-276	STROKE LIMITER		1
16	7-316-150	LUBE FITTING		2
17				
18	7-900-72	SEAL KIT / ITEMS MARKED	(*)	REF

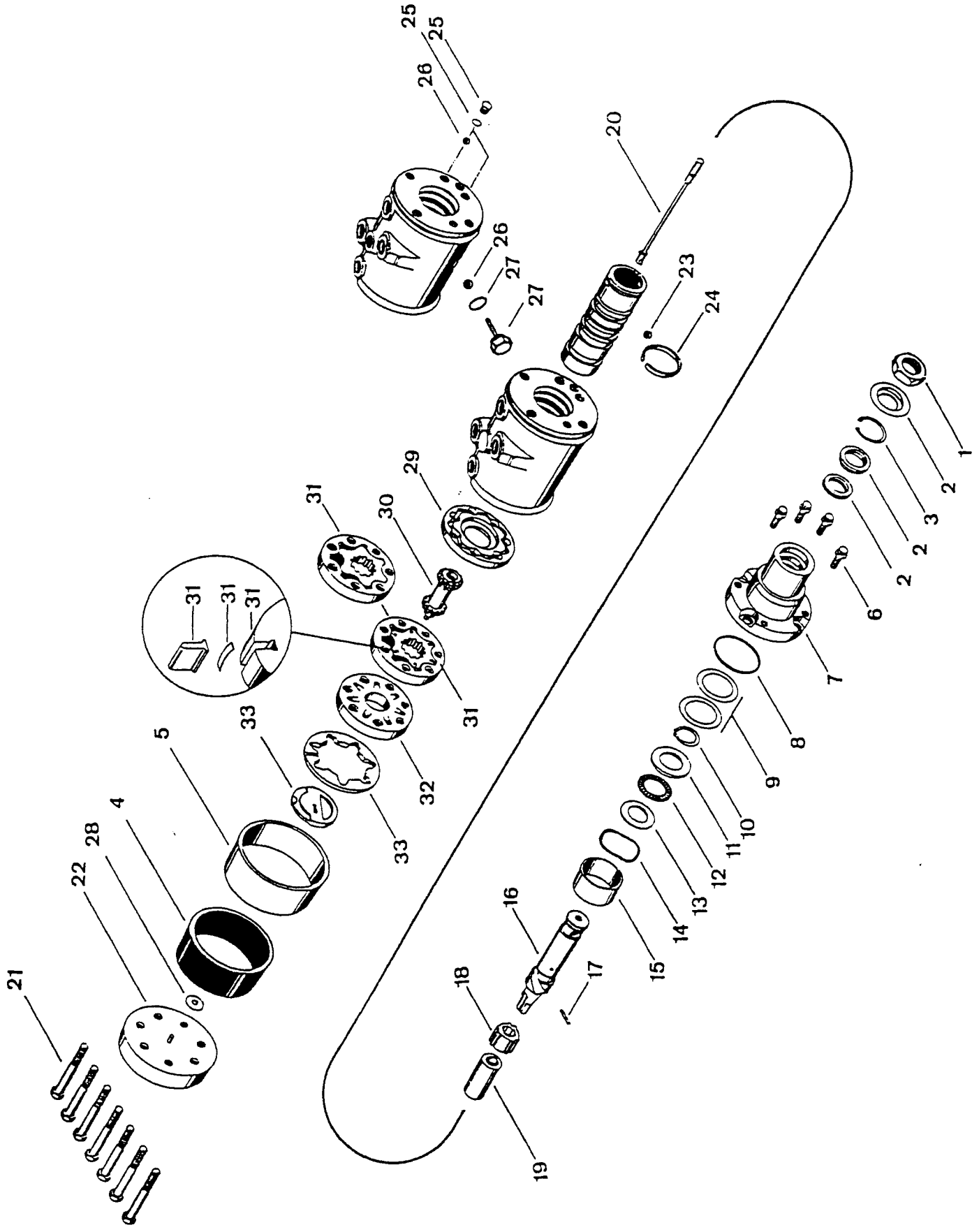
NOTES



ITEM	NUMBER	DESCRIPTION	REQD
1	7-196-42	CROSS & BEARING ASSEMBLY	2
2	7-196-63	SLIP YOKE	1
3	7-196-64	STUB YOKE	1
4	7-196-65	TUBE WELDMENT	1
5	7-196-66	WELD YOKE	1
6	7-196-44	DRIVESHAFT ASSY (ITEMS 1-5)	REF

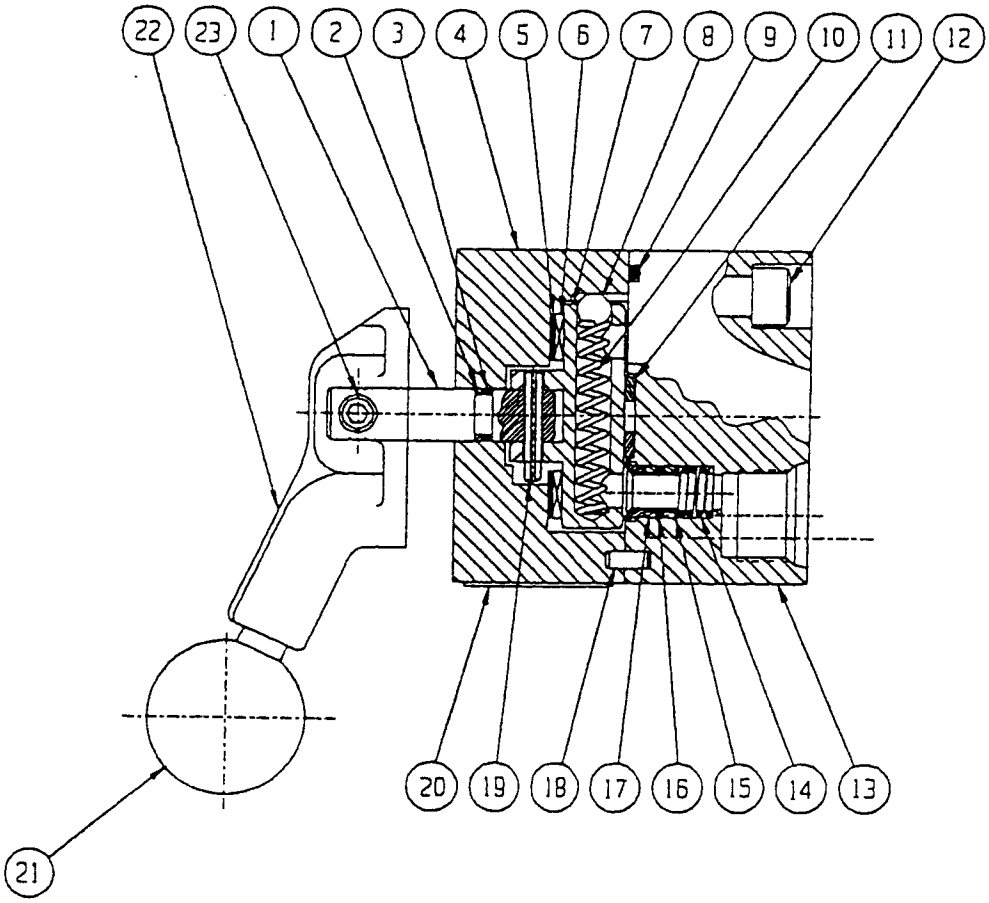


ITEM	NUMBER	DESCRIPTION	REQD
1	7-244-31	ELECTRIC VALVE ASSY / 4-WAY	1
2	7-244-40	COIL / DIN	2
3	7-244-17	SPOOL	1
4	7-244-18	VALVE BODY	1
5	7-244-19	END CAP	2
6	7-244-44	BRACKET ASSEMBLY	1
7	7-244-24	TUBES & PIN / SPOOL ACTUATING	1

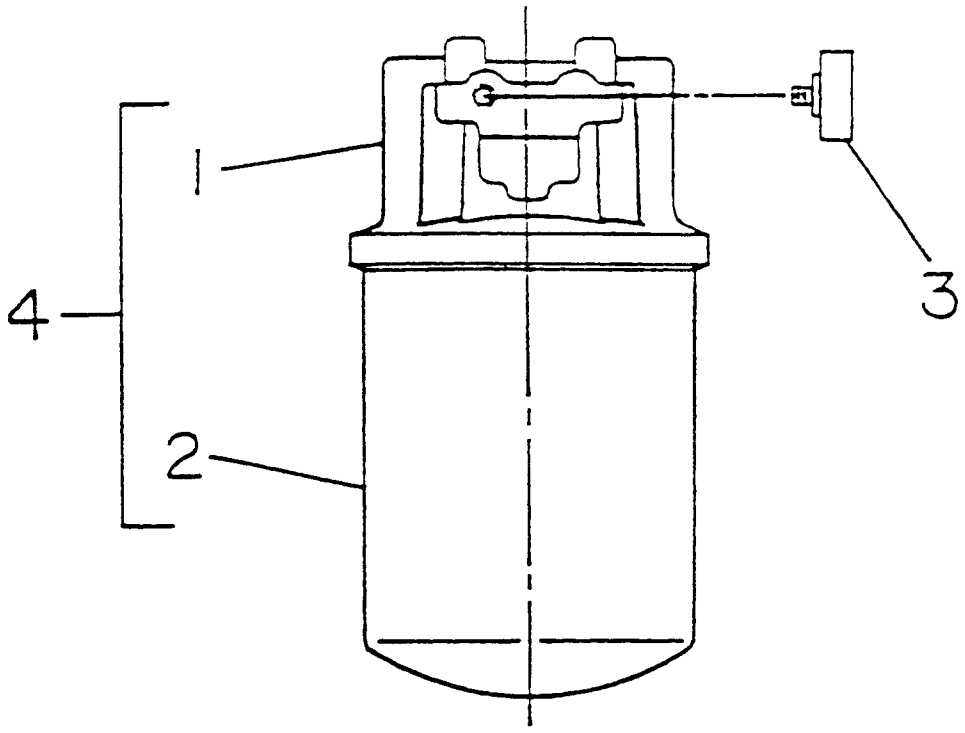


41	PAGE NUMBER	ORBITRAL ASSEMBLY / 7-256-30 TH528		DRAWING NUMBER	P1-1263

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	7-256-39	SEAL	1
5	7-256-40	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	7-256-70	INPUT SHAFT	1
17	7-256-52	NEEDLE ROLLER	1
18	7-256-53	DRIVE RING	1
19	7-256-54	SPACER	1
20	7-256-69	TORSION BAR	1
21	7-256-56	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	7-256-65	DRIVE LINK	1
31	7-256-66	ROTOR SET	1
32	7-256-67	MANIFOLD	1
33	7-256-68	COMMUTATOR ASSEMBLY	1

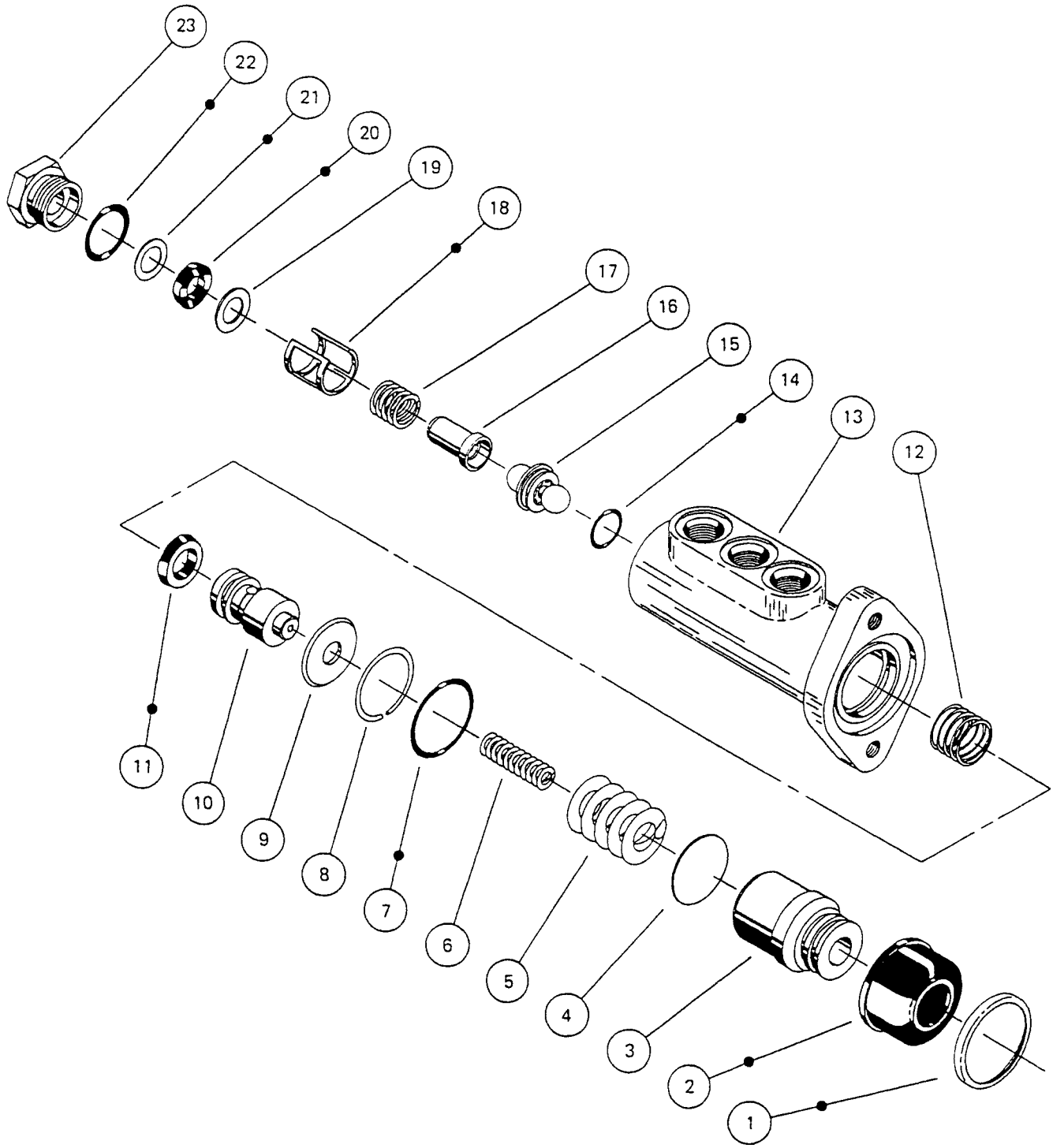

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ITEM	NUMBER	DESCRIPTION	REQD
1		SHAFT	1
2	7-359-06	BACK UP RING - SHAFT	1
3	7-359-07	O-RING - SHAFT	1
4		HOUSING	1
5		THRUST WASHER	1
6	7-359-08	THRUST BEARING	1
7	7-359-09	ROTOR	1
8	7-359-10	BALL - DETENT	1
9	7-359-11	O-RING - HOUSING	1
10	7-359-12	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



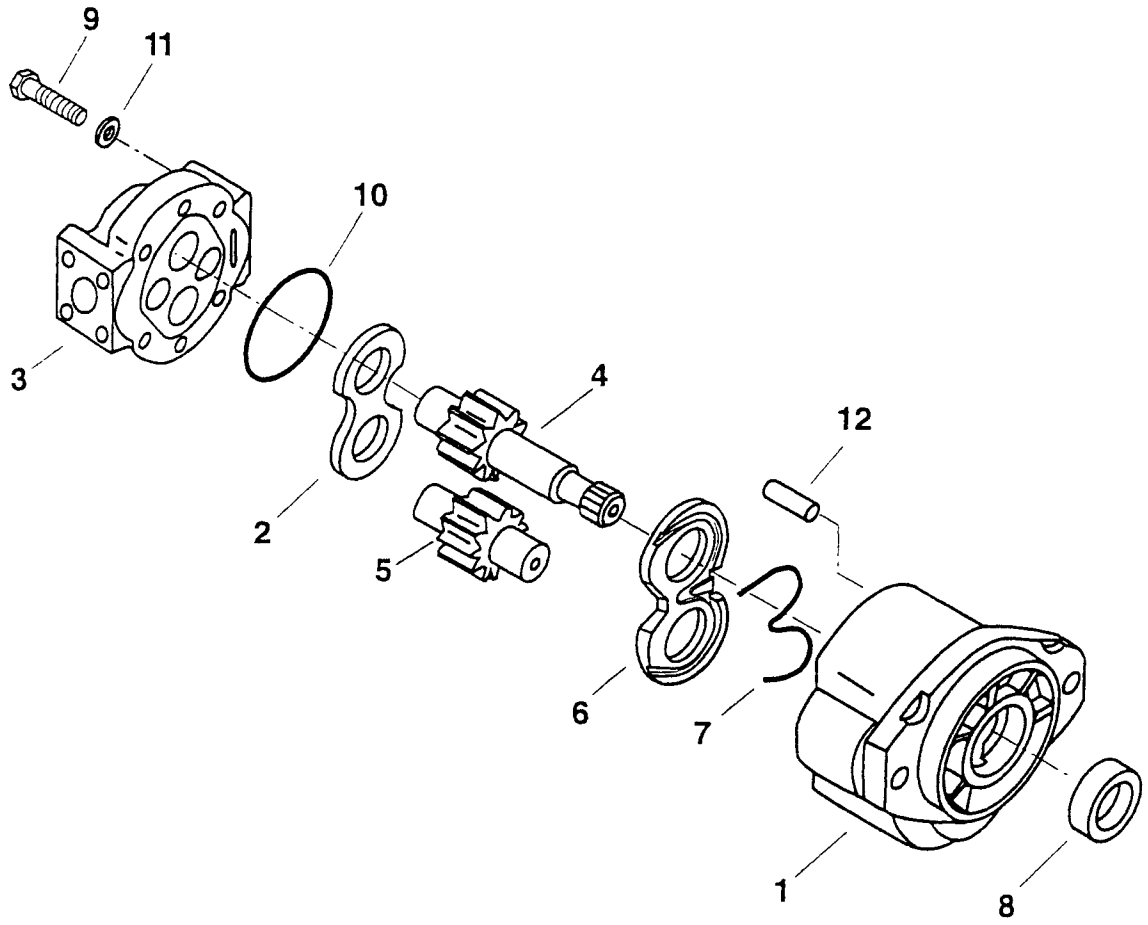
ITEM	NUMBER	DESCRIPTION	REQD
1	7-256-24	HEAD	1
2	7-256-05	ELEMENT & O-RING	1
3	7-272-10	GAGE	1
4	7-256-23	FILTER ASSEMBLY	1

NOTES

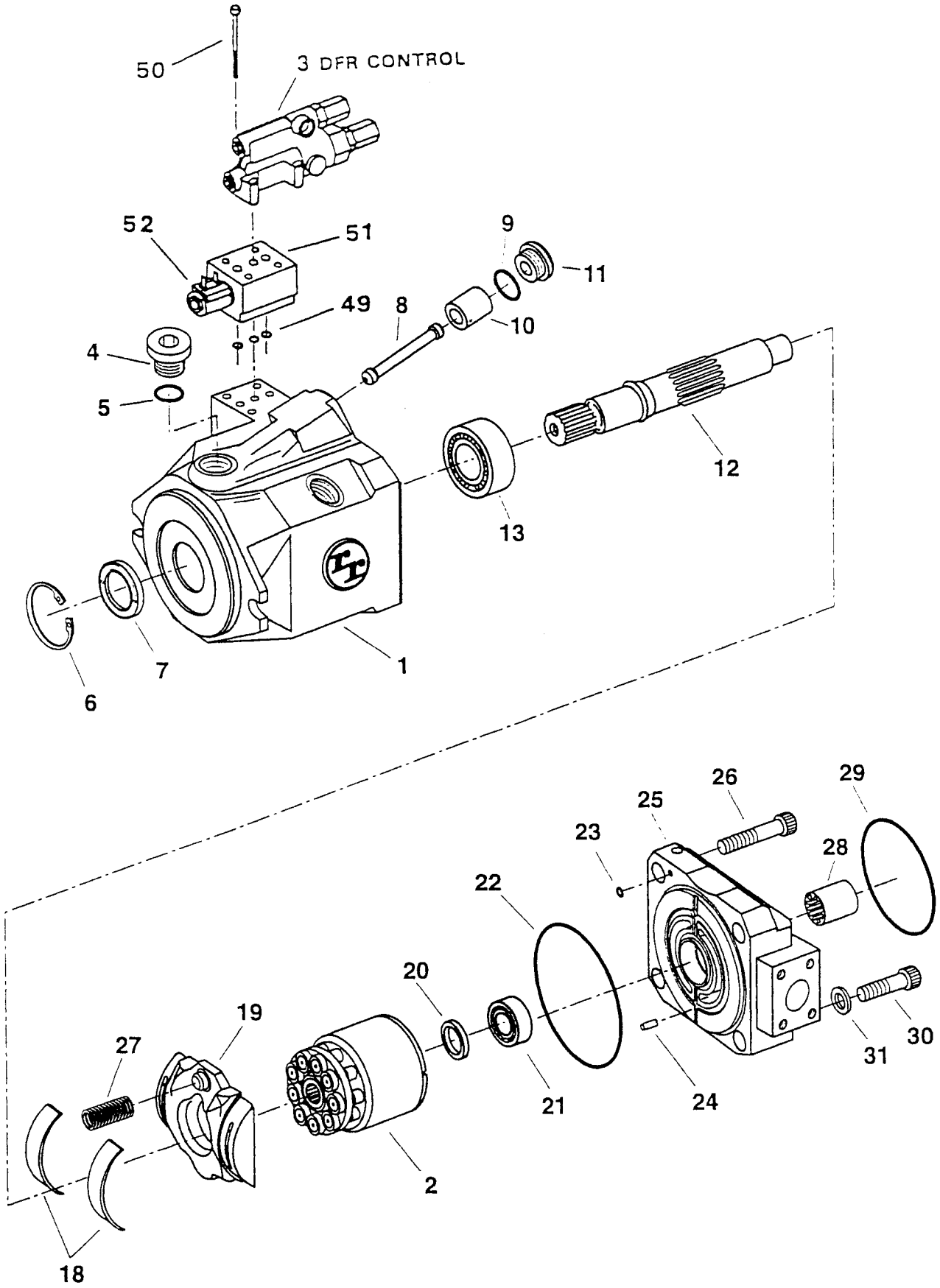


44	PAGE NUMBER	BRAKE VALVE ASSEMBLY / 7-198-39 TH528	DRAWING NUMBER	P1-1069

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

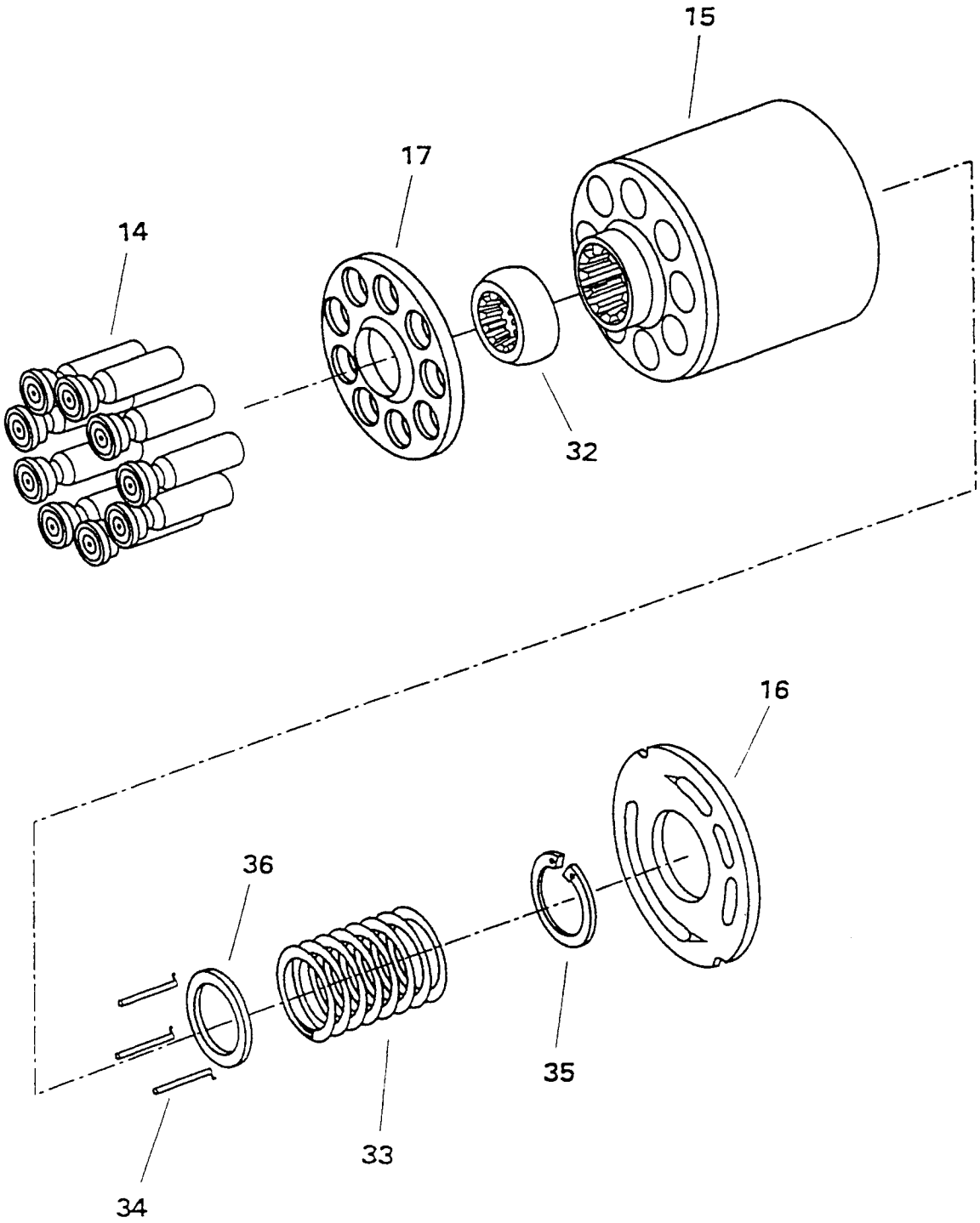

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-345-116	FRONT BODY	1
2	7-345-117	THRUST PLATE	1
3	7-345-118	REAR COVER	1
4	7-345-119	DRIVE GEAR	1
5	7-345-120	DRIVEN GEAR	1
6	7-345-121	WEAR PLATE	1
7	7-345-122	LOAD SEAL	1
8	7-345-123	SHAFT SEAL	1
9	7-345-124	CAPSCREW	4
10	7-345-125	STATIC SEAL	1
11	7-345-126	WASHER	4
12	7-345-127	DOWEL PIN	2
13	7-345-128	SEAL KIT (INCL. ITEMS 7, 8, & 10)	REF

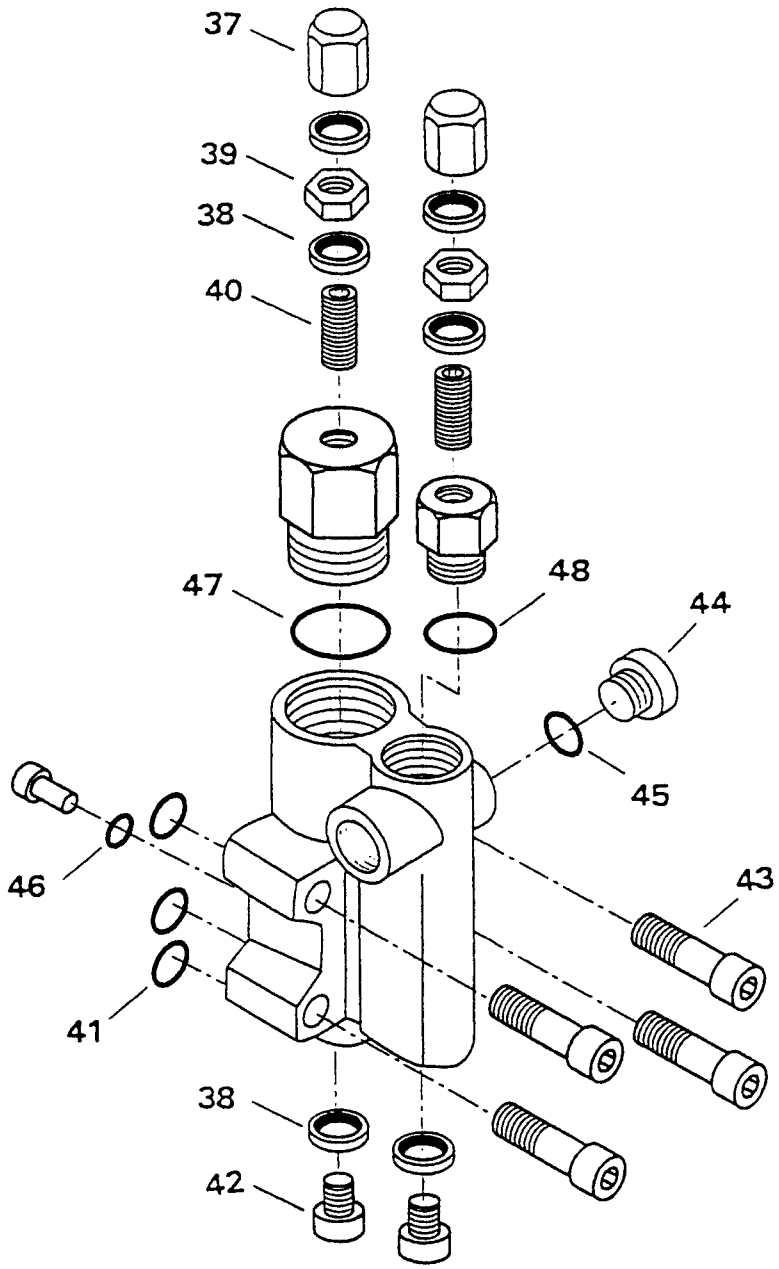


46	PAGE NUMBER	HYRAULIC PISTON PUMP / 7-345-56 TH528		DRAWING NUMBER	P4-2028

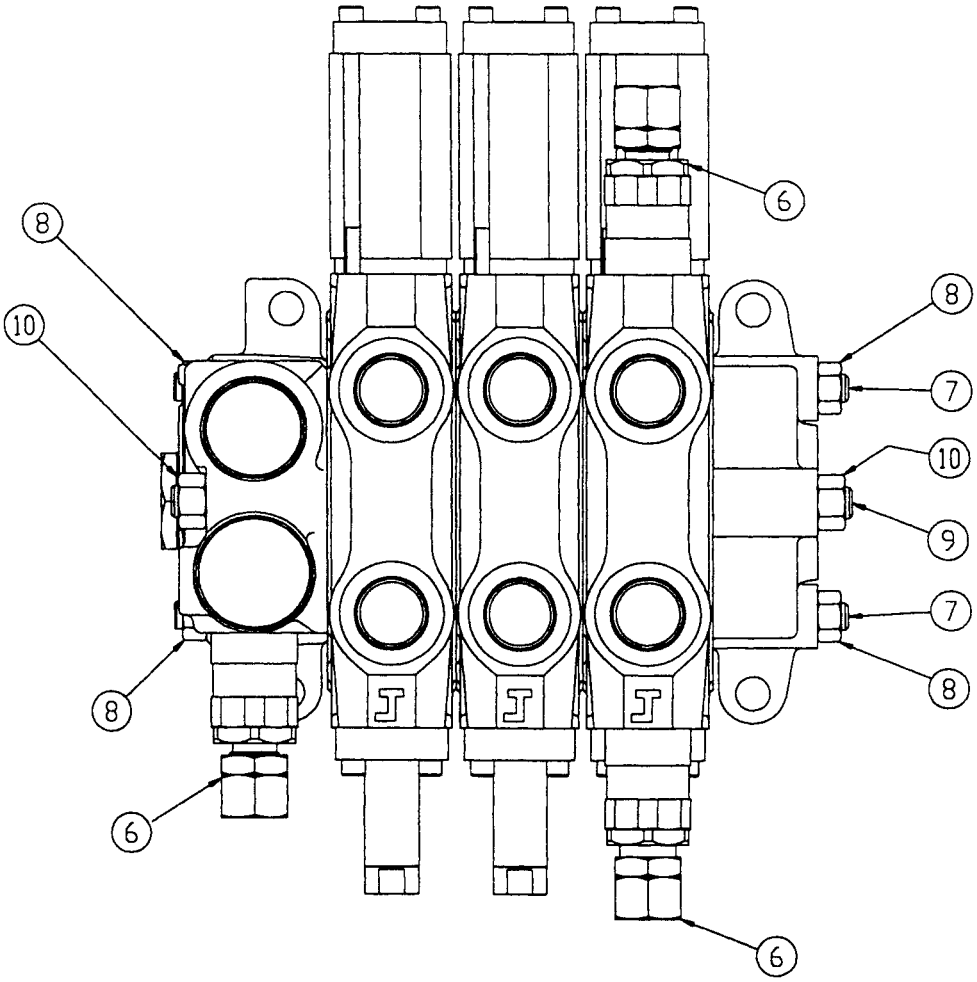
ITEM 2
ROTARY GROUP CW
PARTS BREAKDOWN

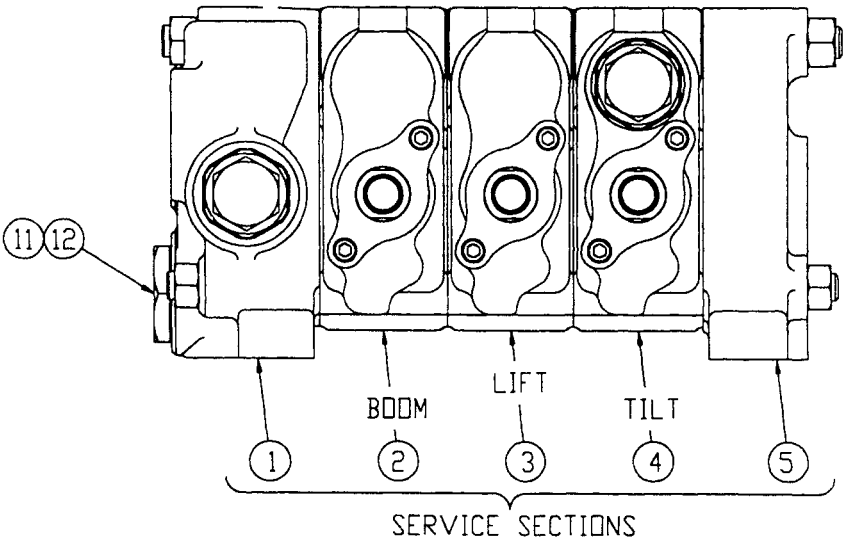


ITEM 3
DFR CONTROL
PARTS BREAKDOWN

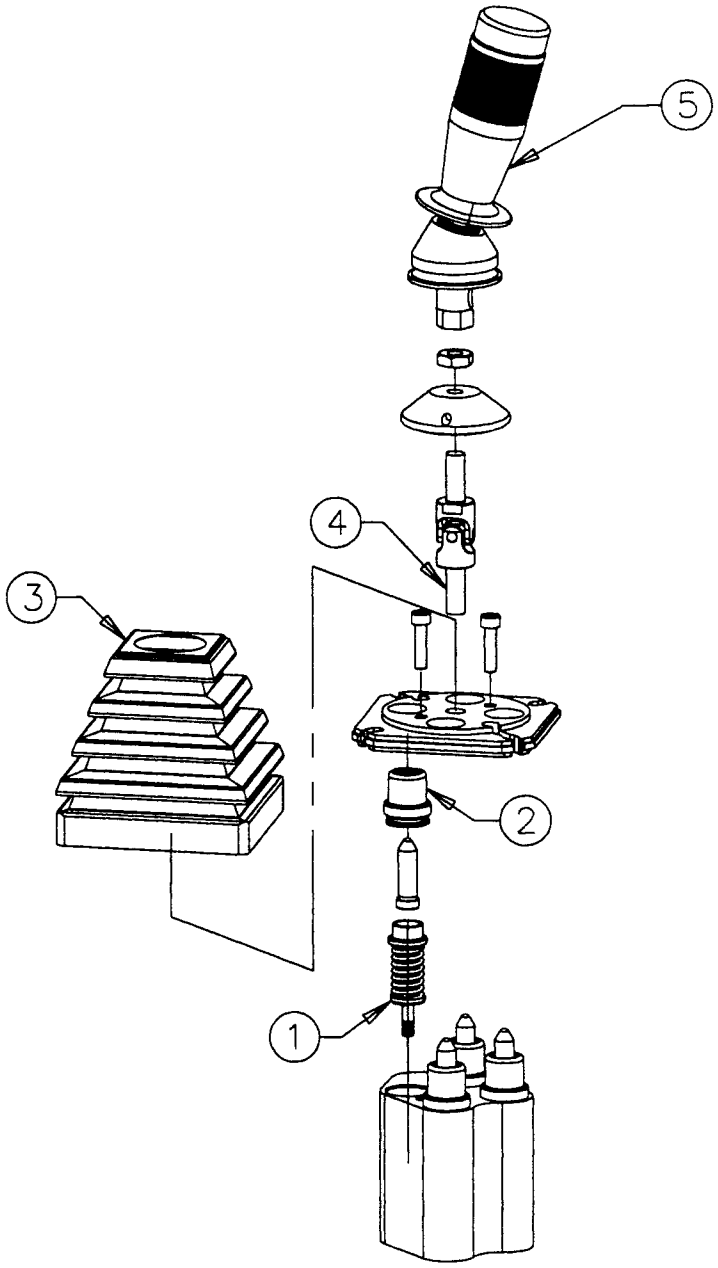


ITEM	NUMBER	DESCRIPTION		REQD
1	7-345-138	HOUSING		1
2	7-345-139	ROTARY GROUP CW		1
3	7-345-140	DFR CONTROL		1
4	7-345-05	PLUG		1
5	7-345-06	O-RING (INCLUDED WITH ITEM 4)	(*)	1
6	7-345-141	SEEGER-V-RING		1
7	7-345-142	SHAFT SEAL	(*)	1
8	7-345-10	ROD		1
9	7-345-11	O-RING	(*)	1
10	7-345-143	PISTON		1
11	7-345-144	PLUG		1
12	7-345-145	SHAFT		1
13	7-345-15	TAPERED ROLLER BEARING		1
14	7-345-129	PISTON		9
15	7-345-130	BARREL		1
16	7-345-131	LENS PLATE		1
17	7-345-132	RETAINING PLATE		1
18	7-345-146	SWASH PLATE BEARING	(**)	2
19	7-345-147	SWASH PLATE		1
20	7-345-148	PRELOAD SHIM		1
21	7-345-19	TAPERED ROLLER BEARING	(**)	1
22	7-345-149	O-RING	(*)	1
23	7-345-150	QUAD RING	(*)	1
24	7-345-22	DOWEL PIN		1
25	7-345-151	BLOCK PORT ASSEMBLY		1
26	7-345-152	CAPSCREW		4
27	7-345-153	SPRING		1
28	7-345-91	COUPLING		1
29	7-345-88	O-RING	(*)	1
30	7-345-154	CAPSCREW		2
31	7-345-155	WASHER		2
32	7-345-133	RETAINING BALL		1
33	7-345-134	SPRING		1
34	7-345-135	PRESSURE PIN		3
35	7-345-136	SNAP RING		1
36	7-345-137	DISC RETAINING CLIP		1
37	7-345-36	ACORN NUT		2
38	7-345-37	USIT RING	(*)	6
39	7-345-38	JAM NUT		2
40	7-345-39	ADJUSTING SCREW		2
41	7-345-40	O-RING	(*)	3
42	7-345-41	PLUG		2
43	7-345-42	CAPSCREW		4
44	7-345-43	PLUG		1
45	7-345-45	O-RING (INCLUDED WITH ITEM 44)	(*)	1
46	7-345-46	O-RING	(*)	1
47	7-345-06	O-RING	(*)	1
48	7-345-47	O-RING	(*)	1
49	7-345-52	O-RING		3
50	7-345-53	BOLT		4
51	7-345-49	BLOCK		1
52	7-345-50	CARTRIDGE / 3-WAY		1
53	7-345-51	SEAL KIT (FOR ITEM #52)		REF
54	7-345-114	SEAL KIT / ITEMS MARKED (*)		REF
55	7-345-156	BEARING KIT / ITEMS MARKED (**)		REF


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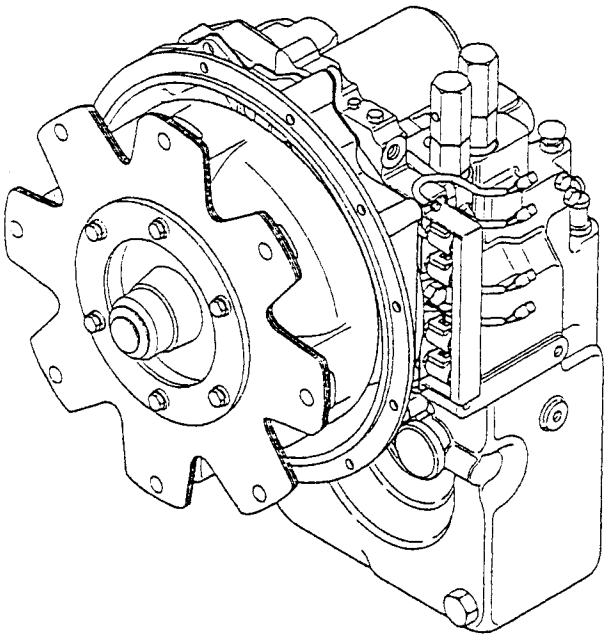

11
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BOOM
LIFT
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SERVICE SECTIONS

ITEM	NUMBER	DESCRIPTION	REQD
1	7-370-03	INLET SECTION ASSEMBLY	1
2	7-370-04	SPOOL SECTION ASSEMBLY	1
3	7-370-05	SPOOL SECTION ASSEMBLY	1
4	7-370-06	SPOOL SECTION ASSEMBLY	1
5	7-370-07	OUTLET SECTION ASSEMBLY	1
6	7-370-08	RELIEF VALVE ASSEMBLY	3
7	7-370-09	TIE ROD	2
8	7-370-10	NUT	4
9	7-370-11	TIE ROD	1
10	7-370-12	NUT	2
11	7-370-13	PLUG	1
12	7-370-14	O-RING	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

TRANSMISSION PARTS BOOK TH528



DATE: 7-9-99

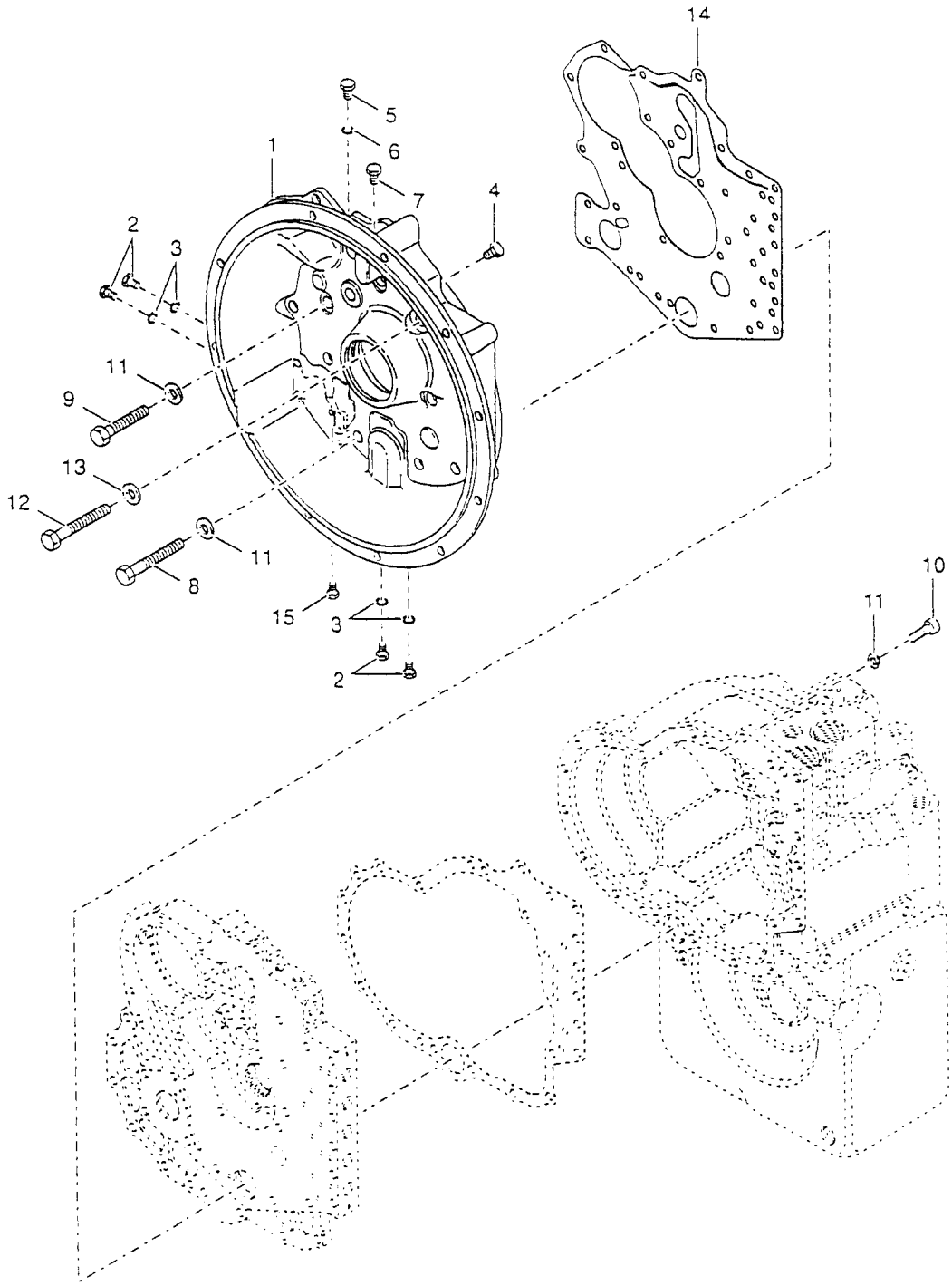
CLARK T12000 SERIES

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

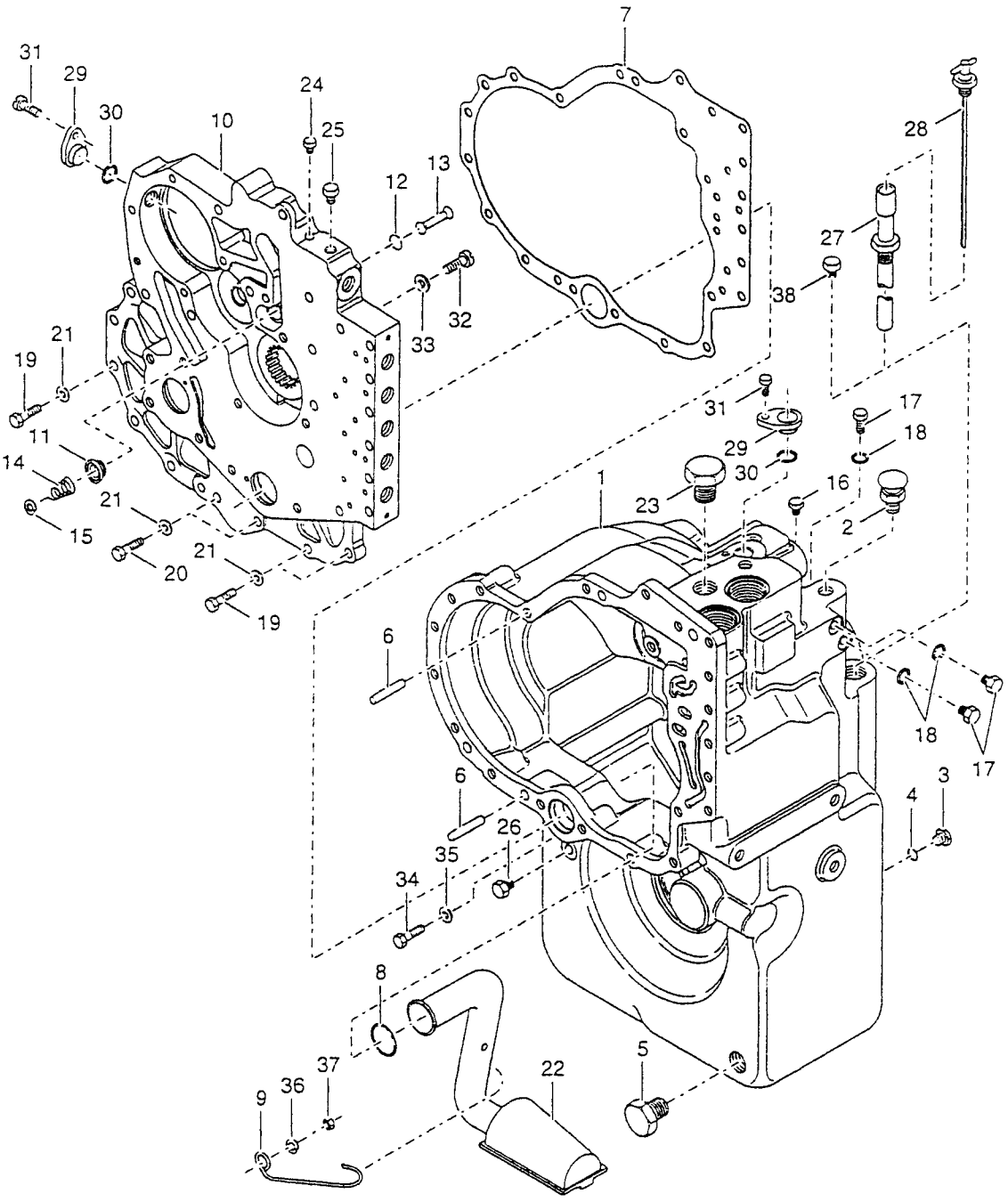
INDEX

PAGE	DESCRIPTION	DRAWING
1	CONVERTER HOUSING GROUP	P1-1244
2	TRANSMISSION CASE AND PLATE GROUP	P1-1245
3	TORQUE CONVERTER GROUP	P1-1246
4	GEAR GROUP	P1-1247
5	PUMP DRIVE GROUP	P1-1248
6	CHARGING PUMP GROUP	P1-1249
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

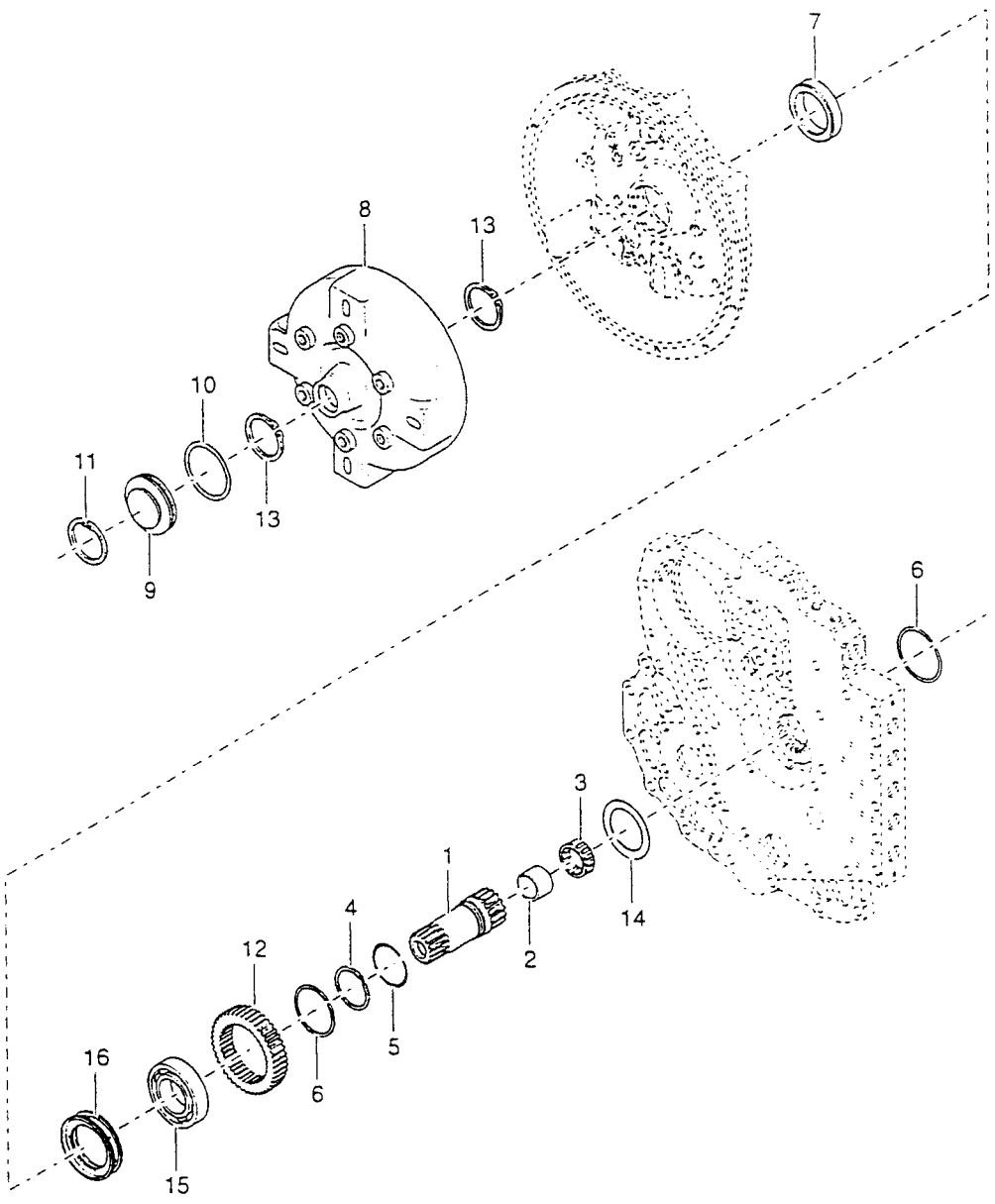


1	PAGE NUMBER	CONVERTER HOUSING GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER	P1-1244

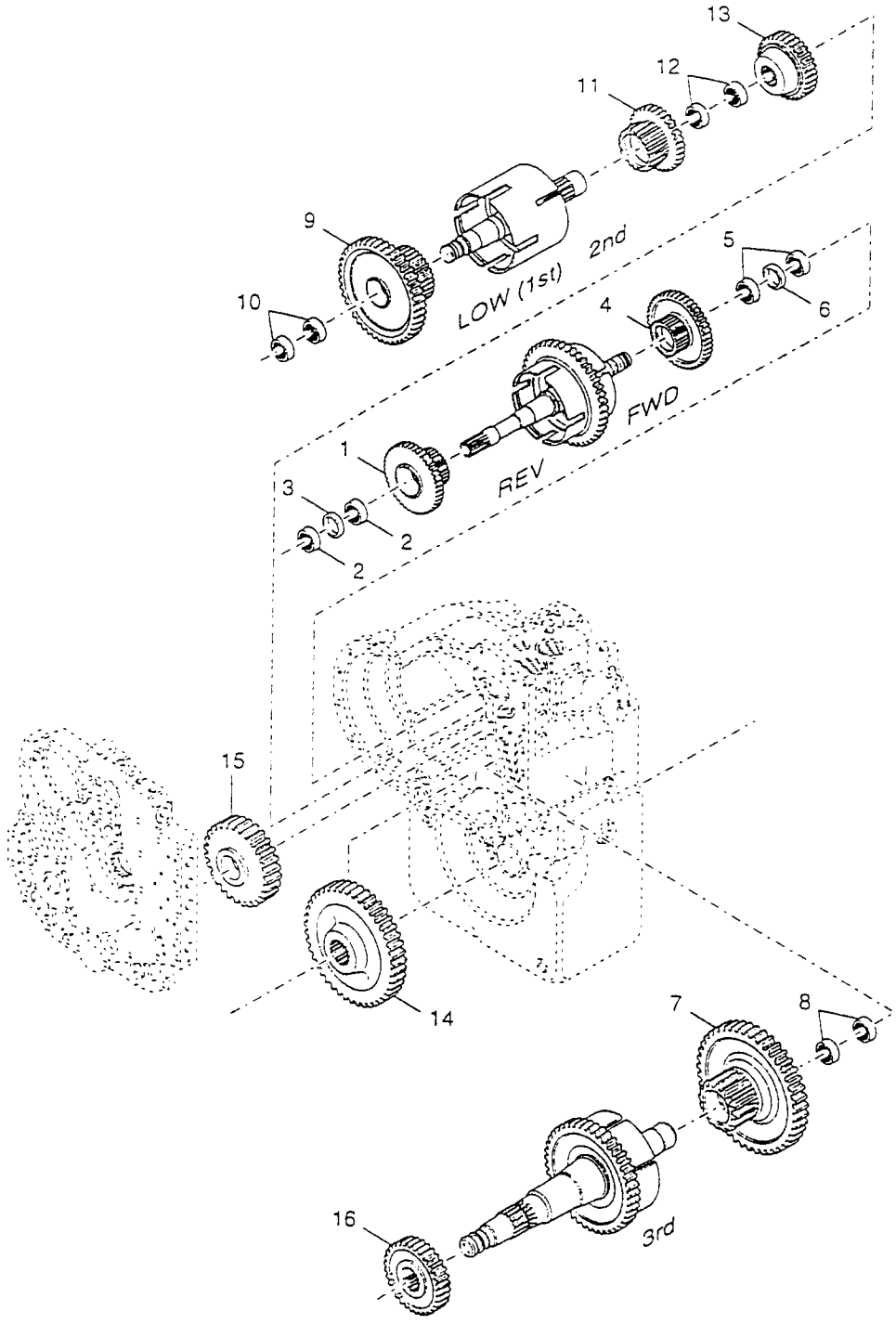
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-384	CONVERTER HOUSING	1
2	7-126-385	PLUG (INCLUDES ITEM 3)	4
3	7-126-386	O-RING	4
4	7-126-387	PLUG	1
5	7-126-385	PLUG (INCLUDES ITEM 6)	1
6	7-126-386	O-RING	1
7	7-126-04	PLUG	1
8	7-126-388	SCREW	6
9	7-126-389	SCREW	3
10	7-126-390	SCREW	1
11	7-126-391	LOCKWASHER	10
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	7-126-394	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

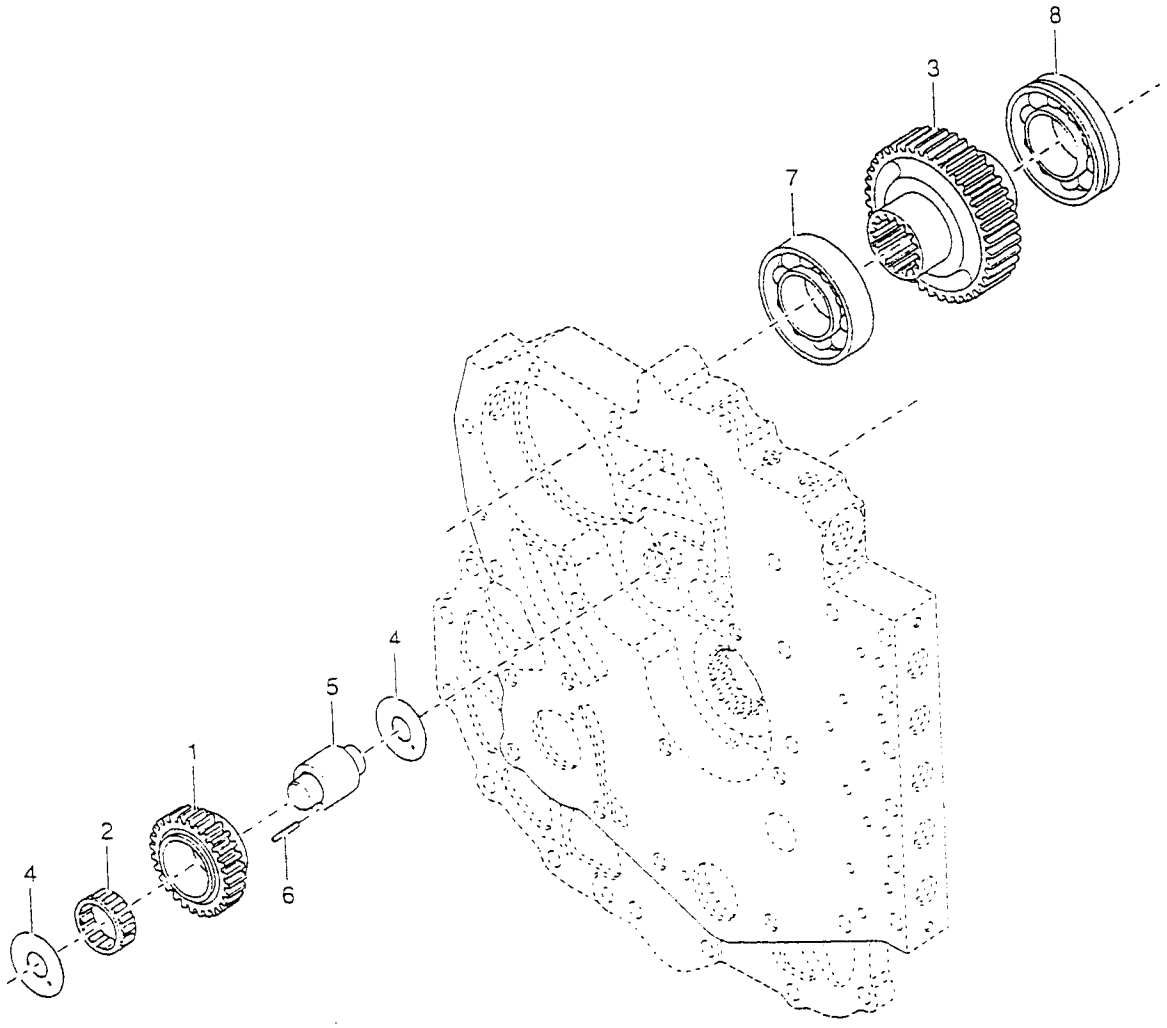

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ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-411	STATOR SUPPORT ASSY (INCL. ITEMS 2-3)	1
2	7-126-412	BUSHING	1
3	7-126-413	BEARING	1
4	7-126-414	STATOR SUPPORT PISTON RING	1
5	7-126-415	EXPANDER	1
6	7-126-416	SNAP RING	2
7	7-126-360	SEAL	1
8	7-126-353	TORQUE 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



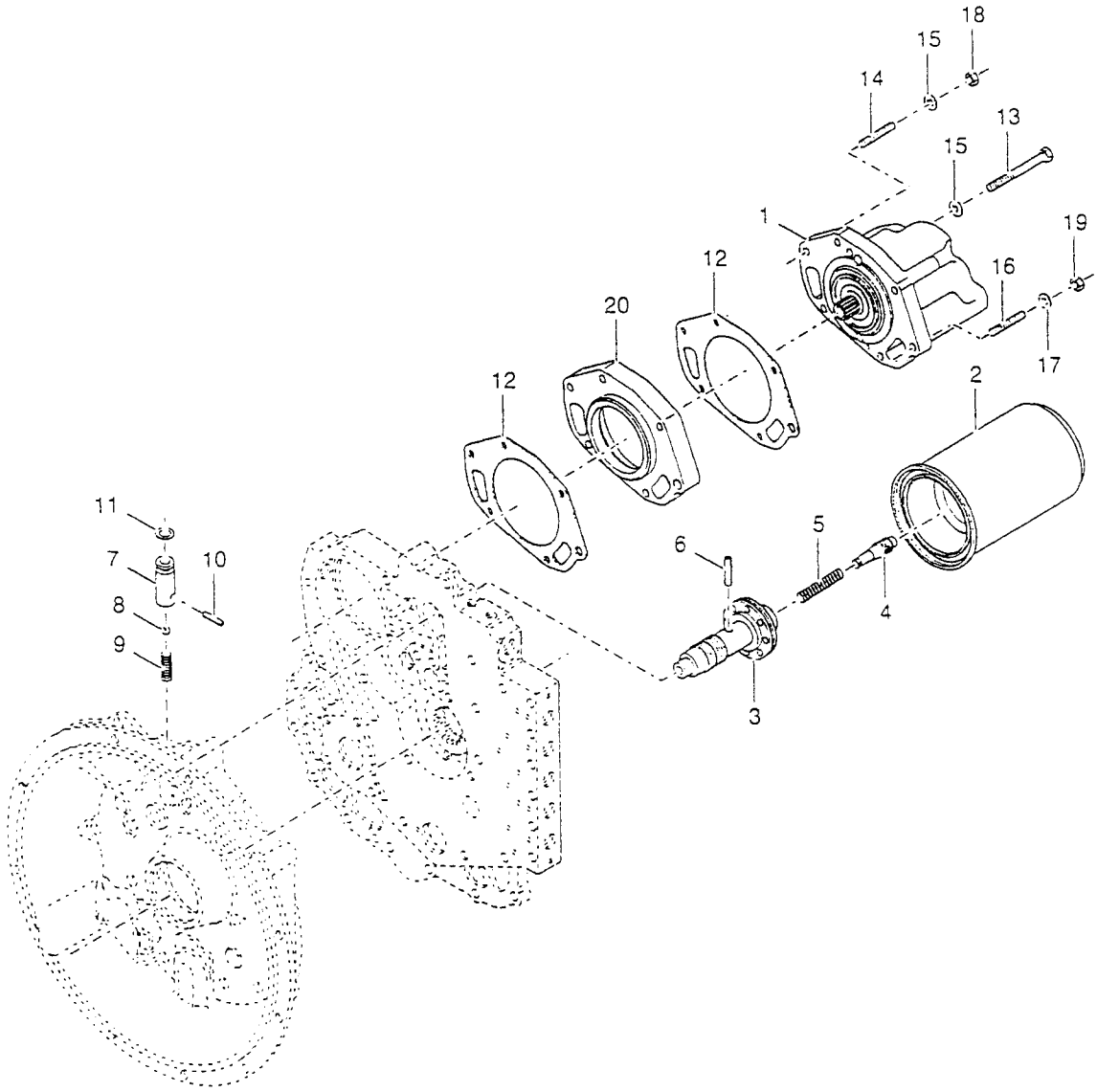
4	PAGE NUMBER	GEAR GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER	P1-1247

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



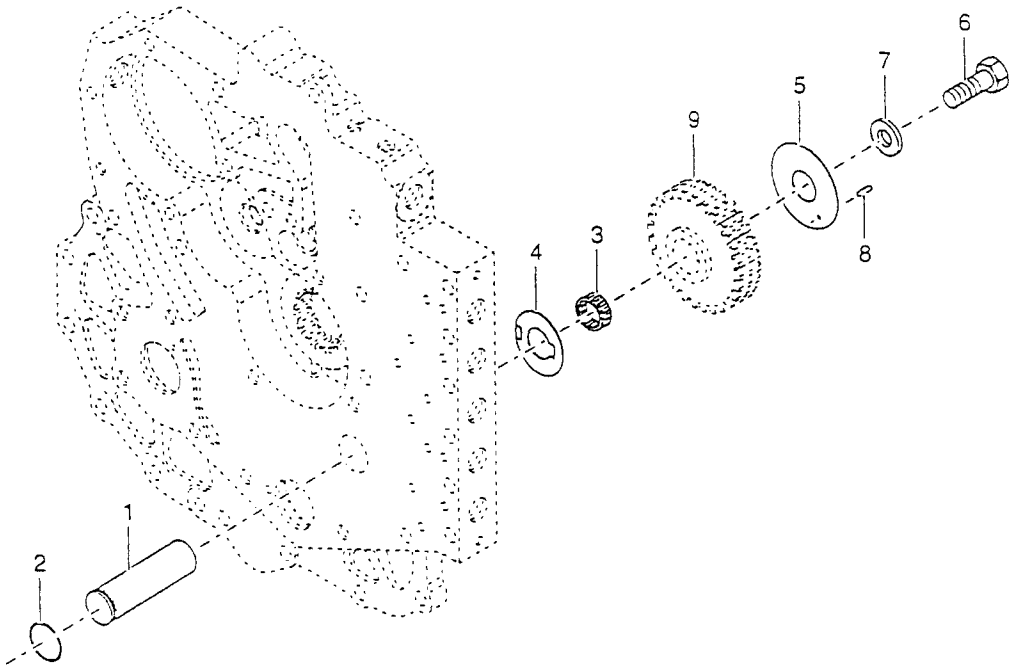
5	PAGE NUMBER	PUMP DRIVE GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER	P1-1248

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



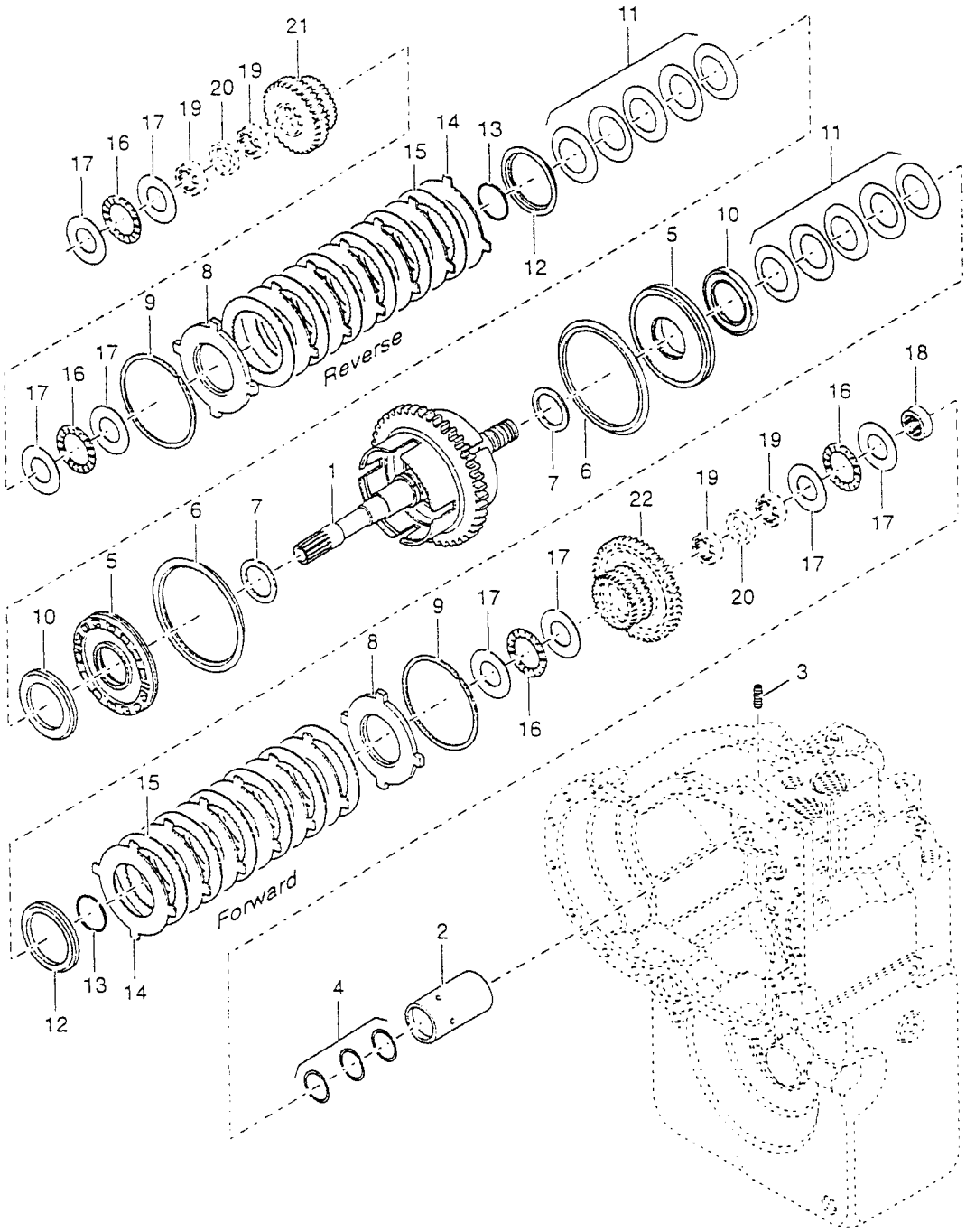
6 PAGE NUMBER	CHARGING PUMP GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER	P1-1249

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	7-126-455	PUMP ADAPTOR	1
21	7-126-456	REGULATOR VALVE ASSY (INCL. ITEMS 3-6)	1



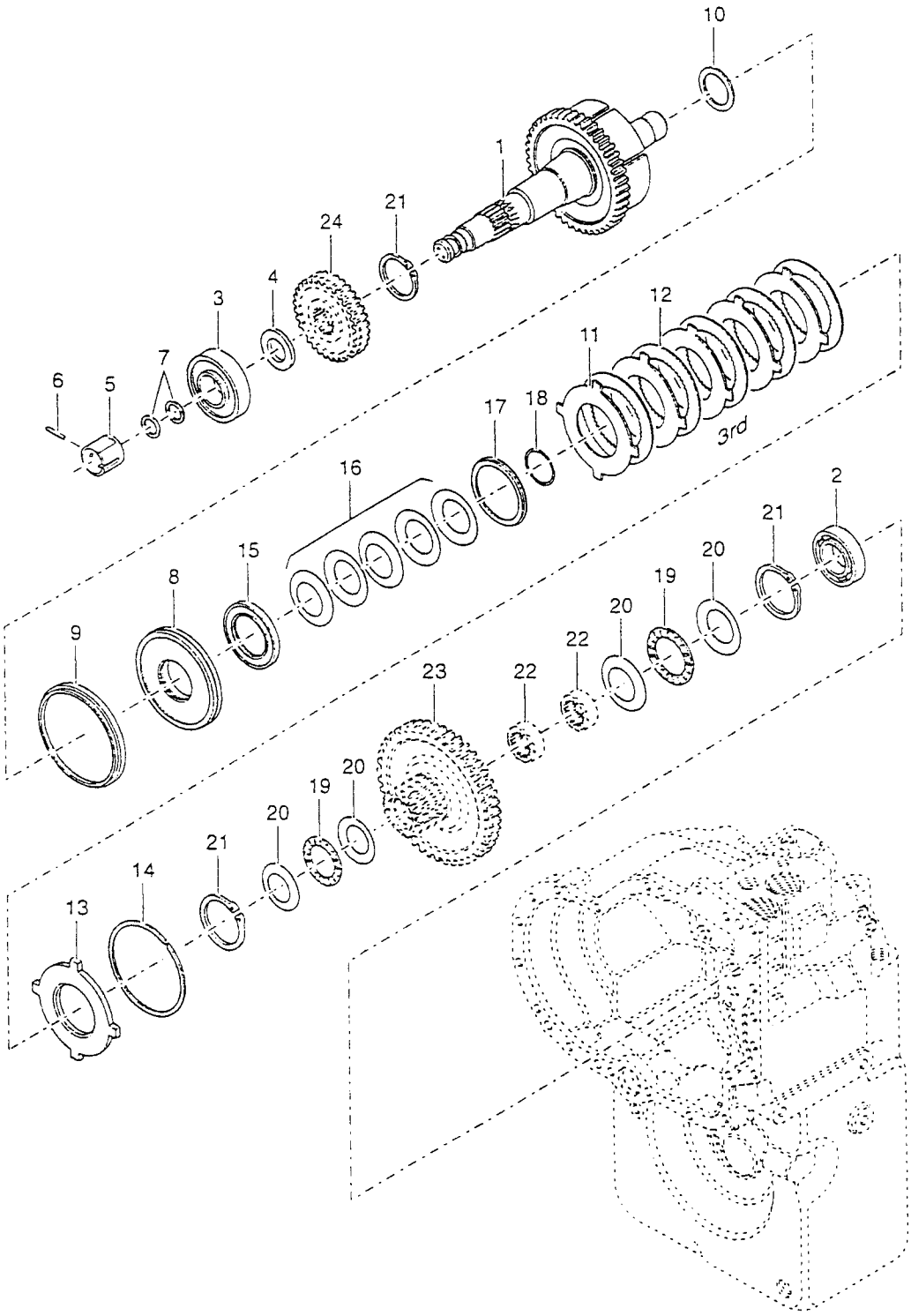
ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-457	IDLER & PILOT SHAFT	1
2	7-126-458	IDLER SHAFT SNAP RING	1
3	7-126-459	REVERSE IDLER GEAR BEARING	1
4	7-126-460	THRUST WASHER	1
5	7-126-461	END PLATE	1
6	7-126-462	CAPSCREW	1
7	7-126-463	WASHER	1
8	7-126-464	ROLL PIN	1
9	7-126-431	REVERSE IDLER GEAR	1

NOTES



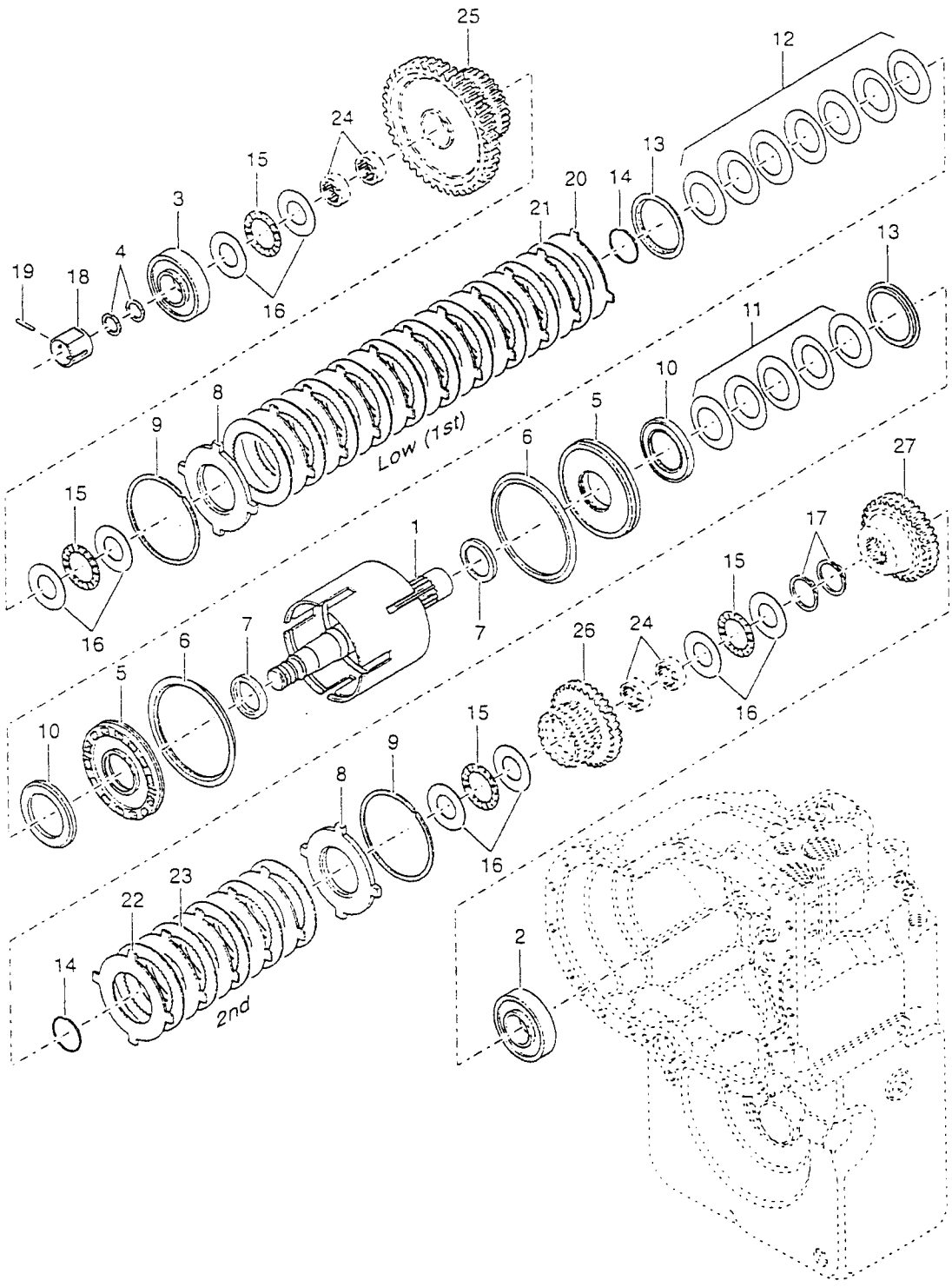
8	PAGE NUMBER	FORWARD & REVERSE SHAFT GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER	P1-1251

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



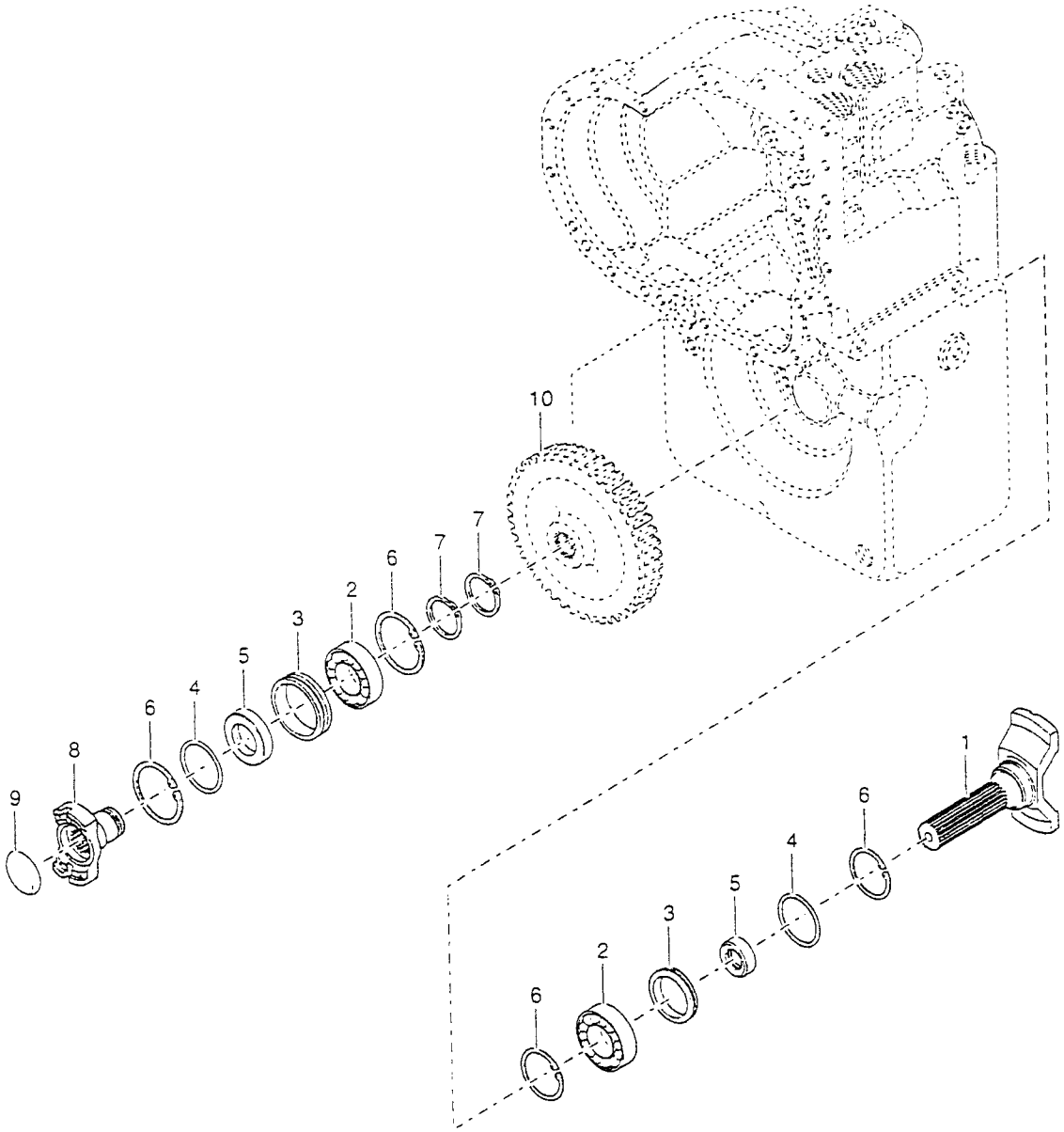
9 PAGE NUMBER	3rd SHAFT GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER P1-1252

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



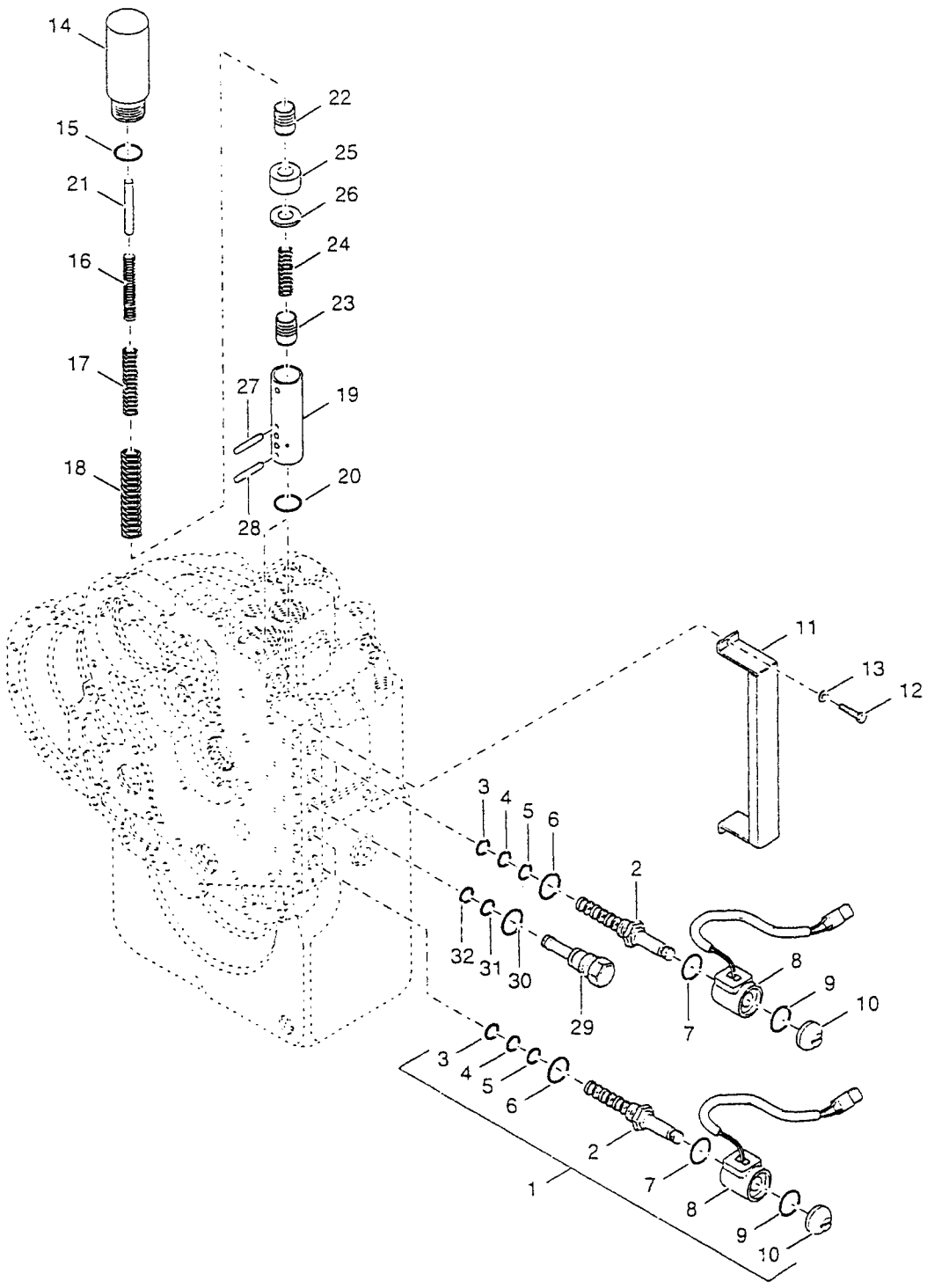
10	PAGE NUMBER	FIRST AND SECOND SHAFT GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER	P1-1253

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



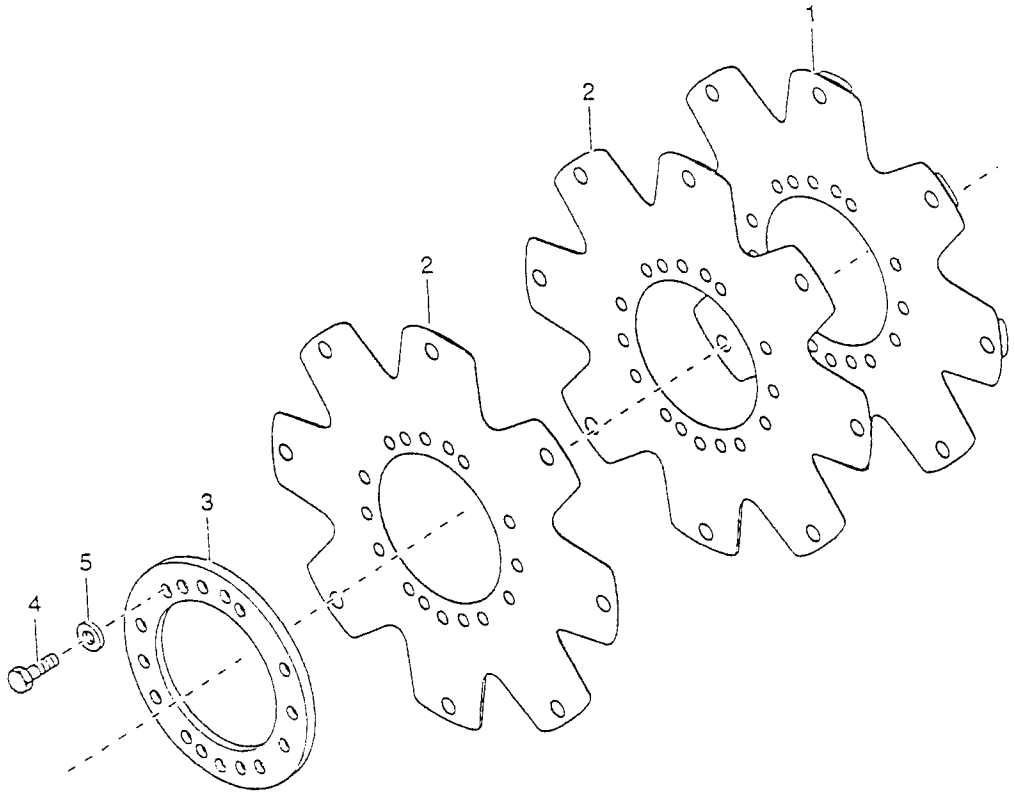
11	PAGE NUMBER	OUTPUT SHAFT GROUP T12000 SERIES TRANSMISSION / TH528		DRAWING NUMBER	P1-1254

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



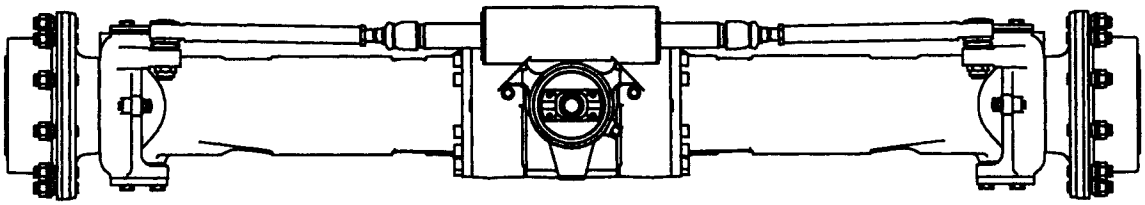
12	PAGE NUMBER	ELECTRIC CONTROL GROUP T12000 SERIES TRANSMISSION / TH528	DRAWING NUMBER	P1-1255

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
TH528



DATE: 8-30-99

CARRARO 26.25M SERIES

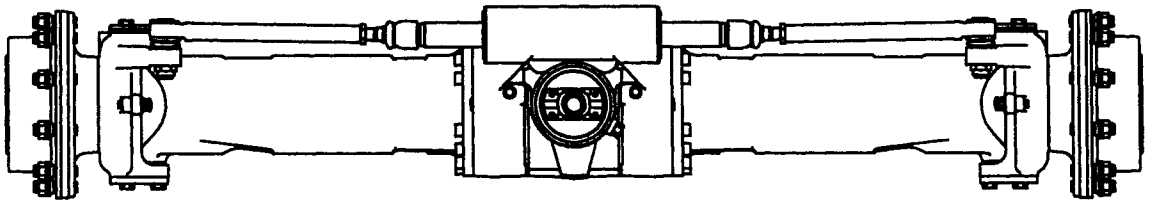
7-368-11 STEERING CYLINDER

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

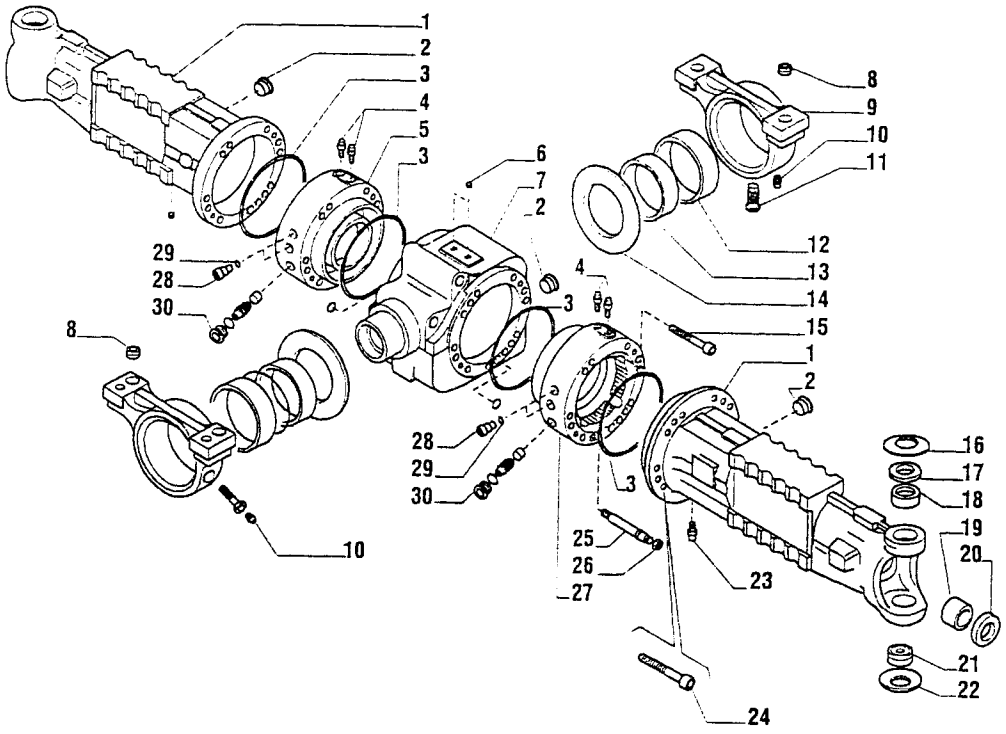
AXLE PARTS ORDERING GUIDE

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

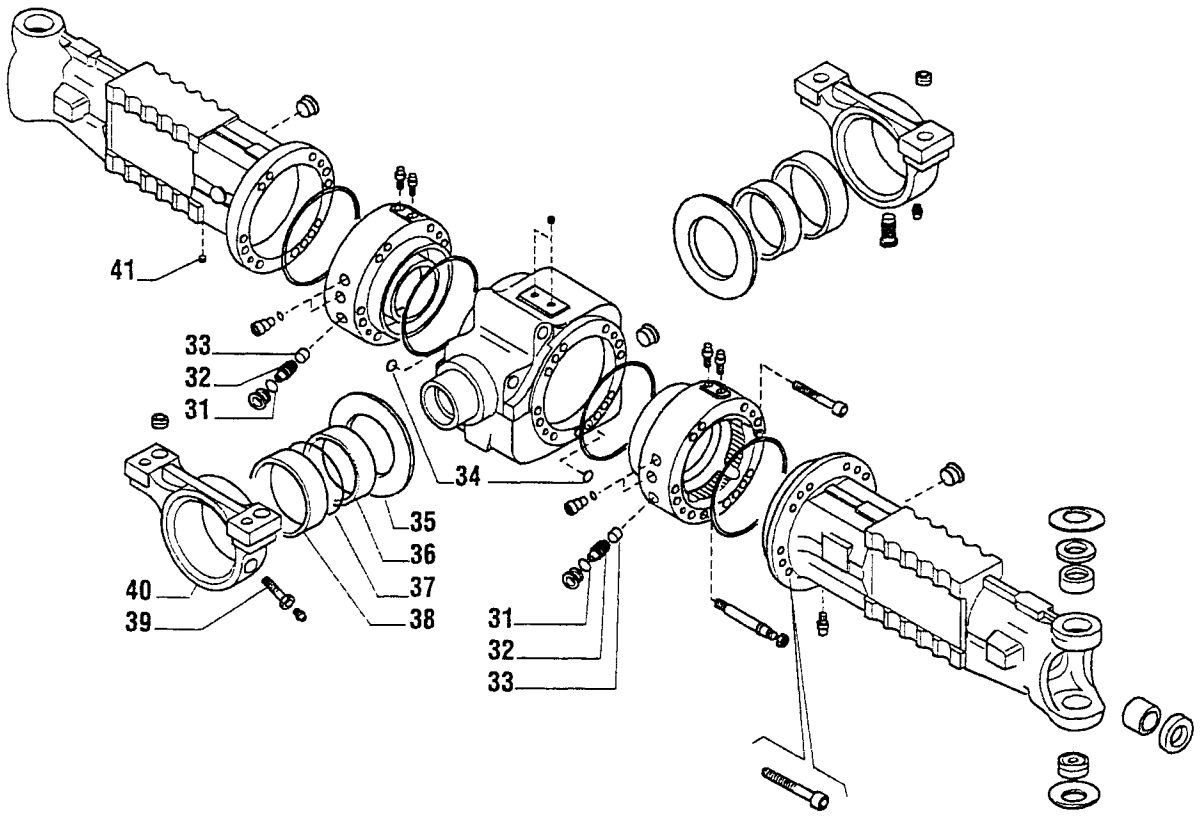
L.H. R.H.



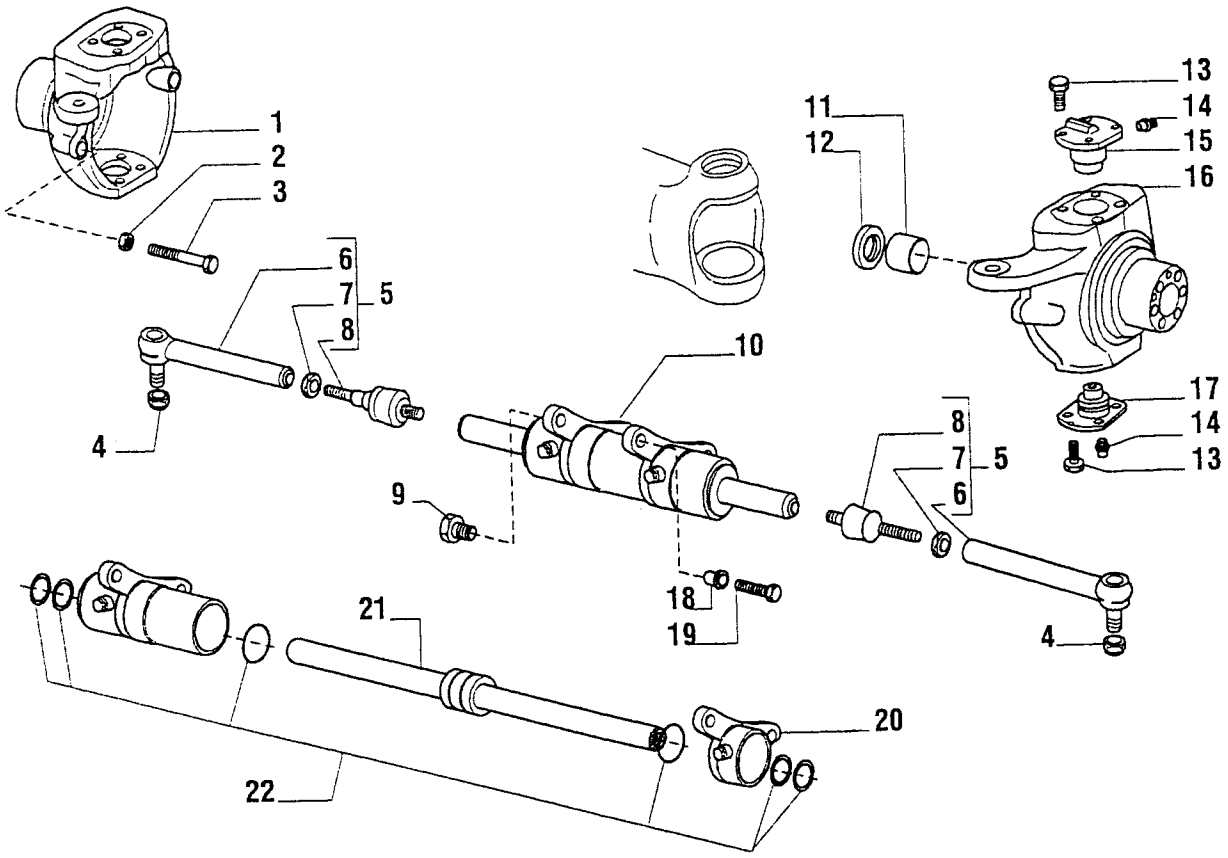
LOOKING STRAIGHT AT AXLE END YOKE



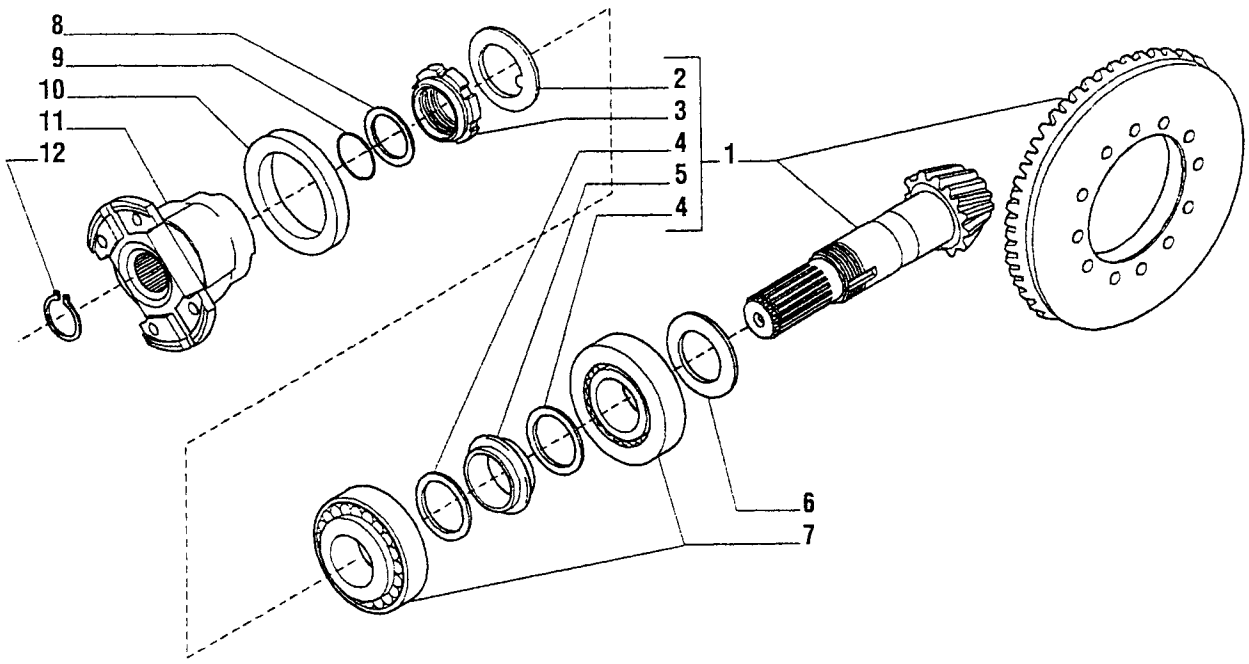
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-13	BEAM TRUMPET	2
2	7-368-14	PLUG	3
3	7-368-15	O-RING	4
4	7-368-16	BREATHER	4
5	7-368-136	BRAKE FLANGE LH	1
6	7-368-18	PLUG	2
7	7-368-19	CENTRAL BODY	1
8	7-368-20	BUSHING	4
9	7-368-21	FRONT SUPPORT	1
10	7-368-22	GREASE FITTING	2
11	7-368-23	BOLT	1
12	7-368-24	BUSHING	1
13	7-368-25	BUSHING	1
14	7-368-26	THRUST WASHER	1
15	7-368-27	BOLT	2
16	7-368-28	BELLEVILLE WASHER	2
17	7-368-29	SHIM	2
18	7-368-30	BUSHING	2
19	7-368-31	BUSHING	2
20	7-368-32	OIL SEAL RING	2
21	7-368-33	SPHERICAL BEARING	2
22	7-368-34	BELLEVILLE WASHER	2
23	7-368-35	BREATHER	1
24	7-368-36	BOLT	22
25	7-368-37	STUD	2
26	7-368-38	NUT	2
27	7-368-137	BRAKE FLANGE RH	1
28	7-368-40	CONNECTION	4
29	7-368-41	O-RING	4
30	7-368-138	RING	6



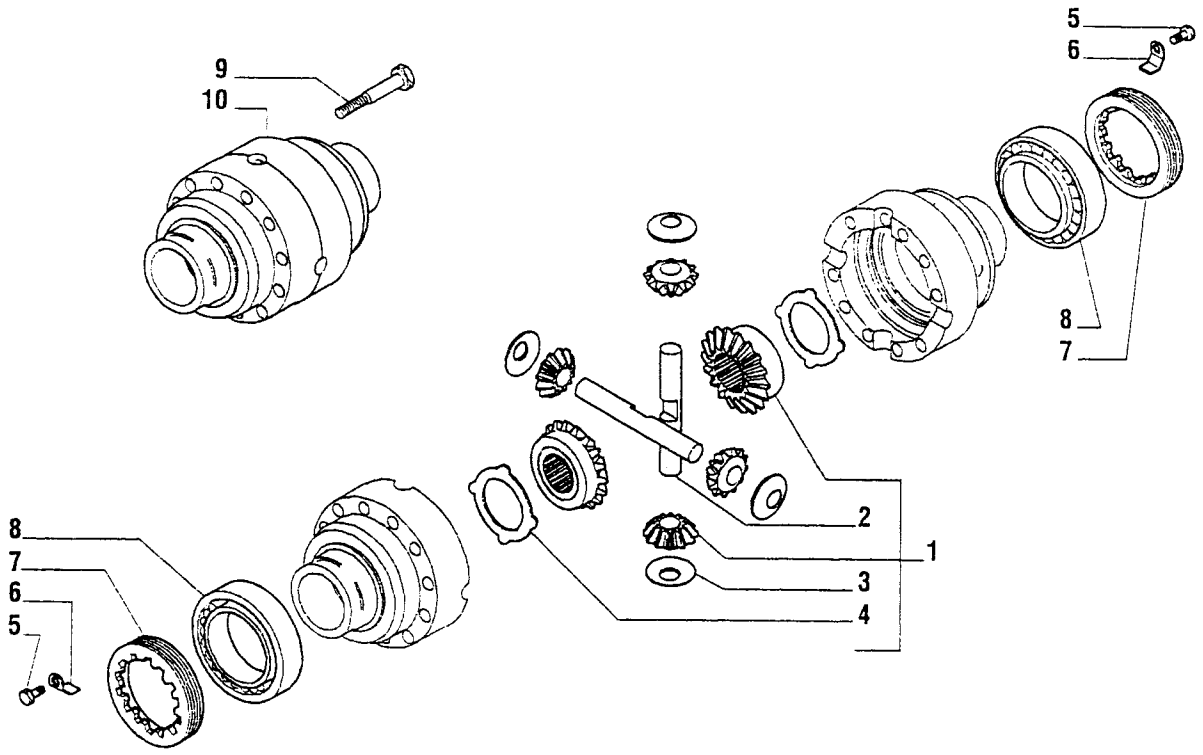
ITEM	NUMBER	DESCRIPTION	REQD
31	7-368-139	O-RING	6
32	7-368-140	BOLT	6
33	7-368-141	PIN	6
34	7-368-42	O-RING	2
35	7-368-43	THRUST WASHER	1
36	7-368-44	BUSHING	1
37	7-368-45	O-RING	1
38	7-368-46	BUSHING	1
39	7-368-47	BOLT	1
40	7-368-48	REAR SUPPORT	1
41	7-368-49	PLUG	1



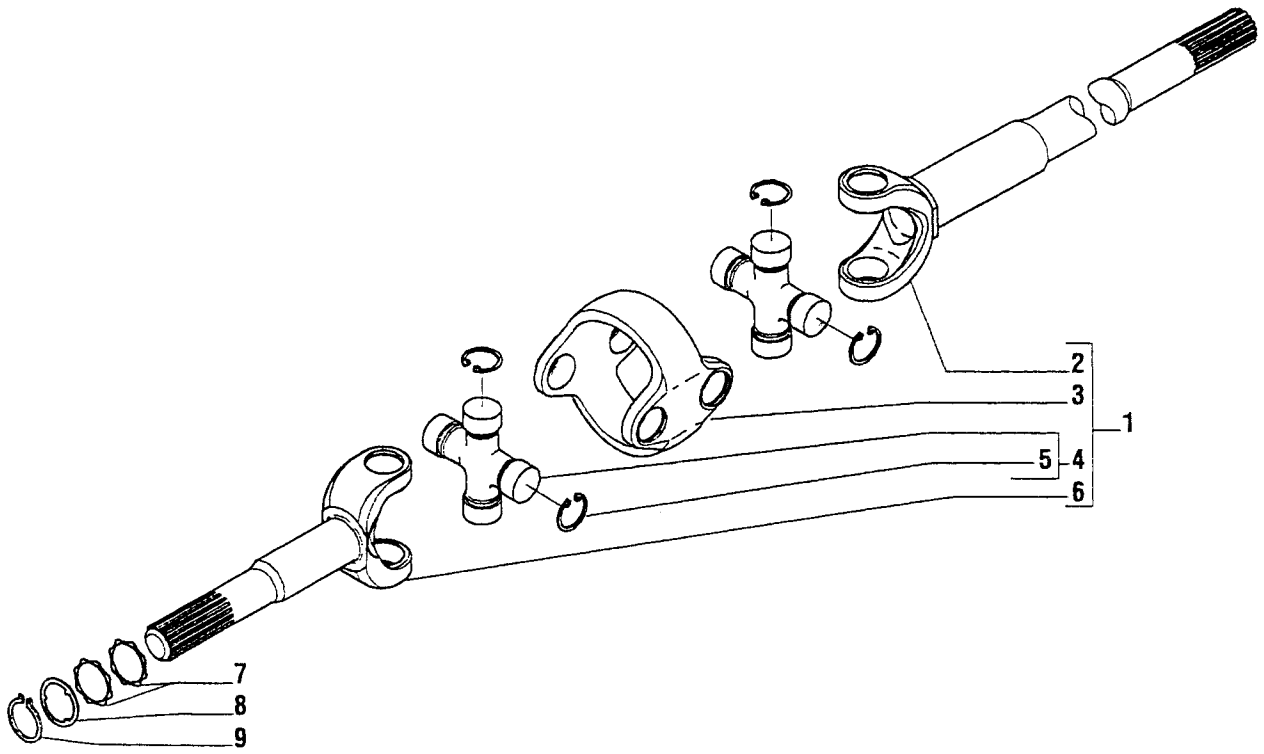
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-50	SWIVEL HOUSING LH	1
2	7-368-51	NUT	4
3	7-368-52	BOLT	4
4	7-368-53	NUT	2
5	7-368-54	STEERING ARM ASSEMBLY	2
6	7-368-08	TIE ROD	1*
7	7-368-10	NUT	1*
8	7-368-09	BALL JOINT	1*
9	7-368-55	BOLT	2
10	7-368-11	STEERING CYLINDER	1
11	7-368-56	BUSHING	2
12	7-368-57	OIL SEAL RING	2
13	7-368-58	BOLT	16
14	7-368-59	GREASE FITTING	4
15	7-368-60	KING PIN	2
16	7-368-61	SWIVEL HOUSING RH	1
17	7-368-62	KING PIN	2
18	7-368-63	BUSHING	2
19	7-368-64	BOLT	2
20	7-368-65	CYLINDER HEAD	2
21	7-368-66	ROD	1
22	7-368-12	OIL SEAL KIT	1
23			
24	*QUANTITY VALID FOR ONLY ONE STEERING ARM ASSEMBLY		



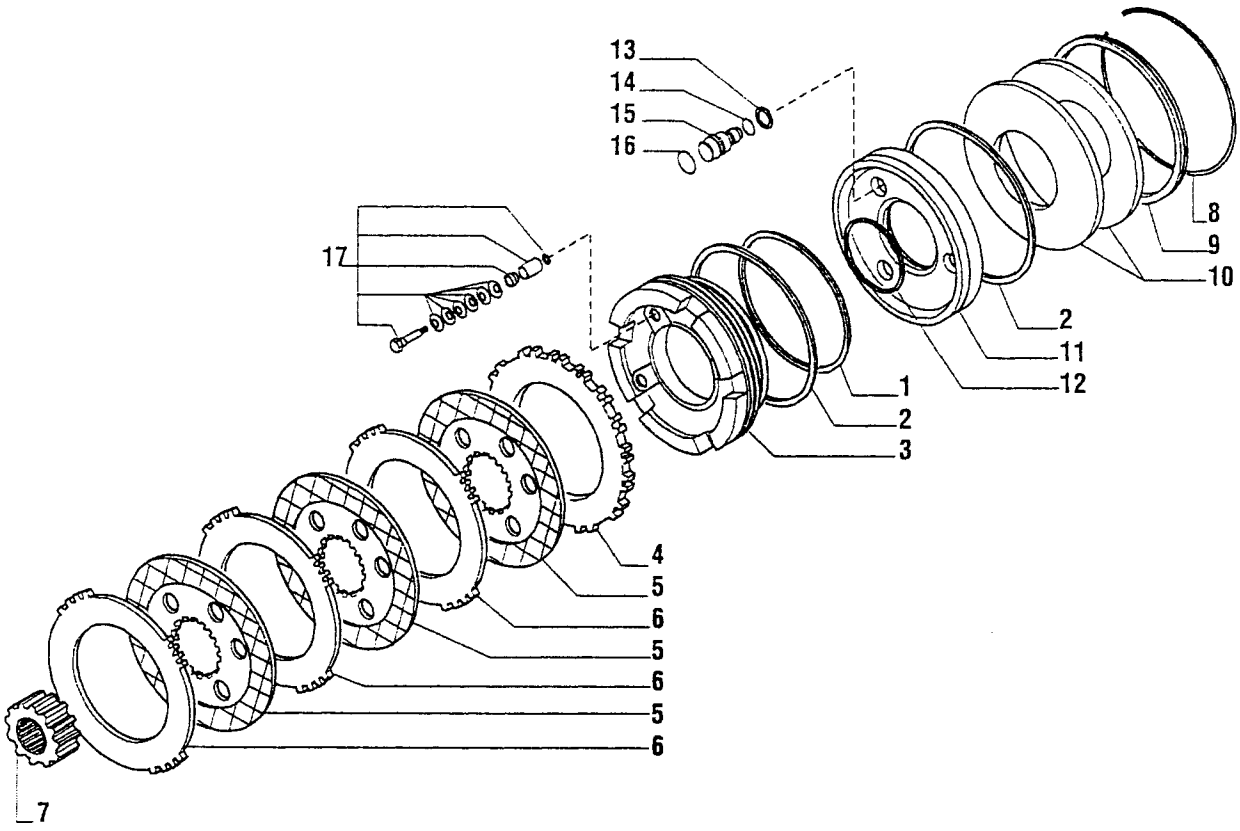
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-142	BEVEL GEAR SET (INCL. ITEMS 2-5)	1
2	7-368-68	LOCKWASHER	1
3	7-368-69	RING NUT	1
4	7-368-70	WASHER	2
5	7-368-71	COLLAPSIBLE SPACER	1
6		SHIM / SEE ITEMS 13 THRU 22	
7	7-368-82	BEARING	2
8	7-368-83	WASHER	1
9	7-368-84	O-RING	1
10	7-368-85	OIL SEAL	1
11	7-368-86	FLANGE	1
12	7-368-87	SNAP RING	1
13	7-368-72	SHIM 2.50mm	
14	7-368-73	SHIM 2.60mm	
15	7-368-74	SHIM 2.70mm	
16	7-368-75	SHIM 2.80mm	
17	7-368-76	SHIM 2.90mm	
18	7-368-77	SHIM 3.00mm	
19	7-368-78	SHIM 3.10mm	
20	7-368-79	SHIM 3.20mm	
21	7-368-80	SHIM 3.30mm	
22	7-368-81	SHIM 3.40mm	



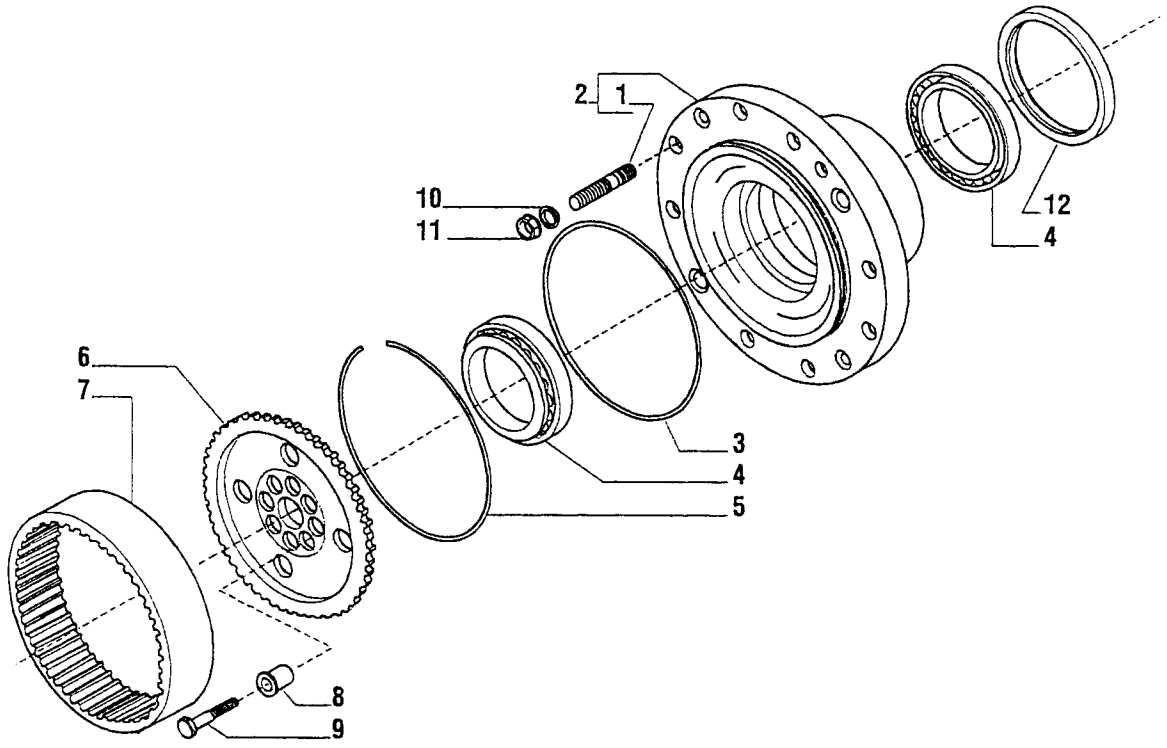
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-88	DIFFERENTIAL KIT (INCL. ITEMS 2-4)	1
2	7-368-89	SHAFT	2
3	7-368-90	THRUST WASHER	4
4	7-368-91	DRIVE PLATE	2
5	7-368-92	BOLT	2
6	7-368-93	LOCKING PLATE	2
7	7-368-94	RING NUT	2
8	7-368-95	BEARING	2
9	7-368-96	BOLT	12
10	7-368-97	DIFFERENTIAL HOUSING	1



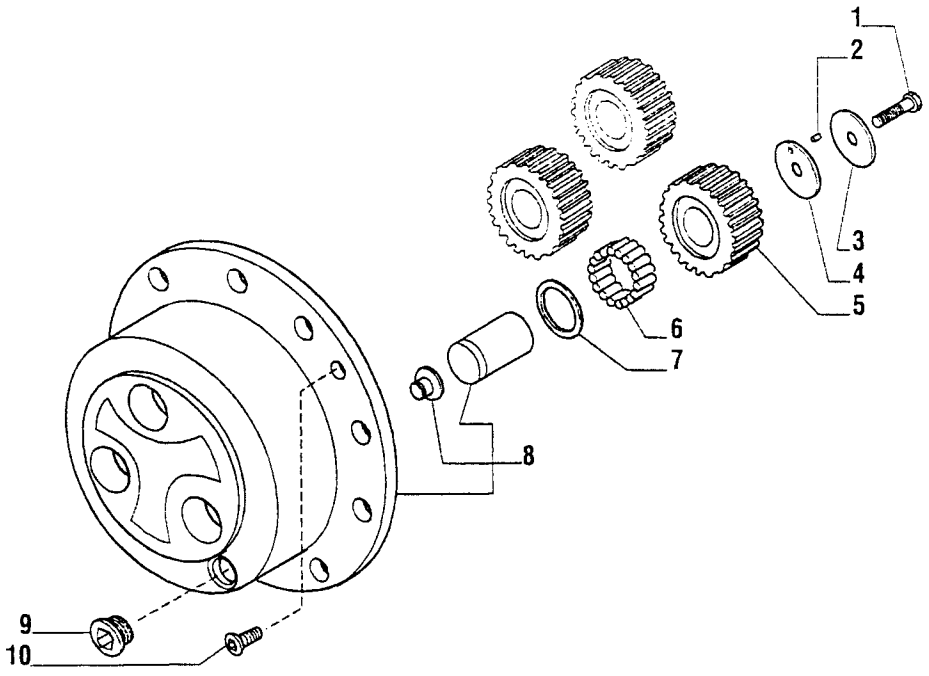
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-98	DRIVE SHAFT	2
2	7-368-99	HALF SHAFT (DIFFERENTIAL SIDE)	1*
3	7-368-100	CENTRAL BODY	1*
4	7-368-101	SPIDER	2*
5	7-368-102	SNAP RING	8*
6	7-368-103	HALF SHAFT (WHEEL SIDE)	1*
7	7-368-104	THRUST WASHER	4
8	7-368-105	WASHER	2
9	7-368-106	SNAP RING	2
10			
11		* QUANTITIES VALID FOR ONLY ONE DOUBLE JOINT	



ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-107	QUADRING	2
2	7-368-108	QUADRING	4
3	7-368-109	BRAKE PISTON (POS.)	2
4	7-368-110	DRIVE PLATE	2
5	7-368-111	BRAKE DISC	6
6	7-368-112	DRIVE PLATE	6
7	7-368-114	SLEEVE	2
8	7-368-143	RING	2
9	7-368-144	SLEEVE	2
10	7-368-145	BELLEVILLE WASHER	4
11	7-368-146	BRAKE PISTON (NEG.)	2
12	7-368-147	QUADRING	2
13	7-368-148	WASHER	6
14	7-368-149	O-RING	6
15	7-368-150	SHAFT	6
16	7-368-42	O-RING	6
17	7-368-115	SELF ADJUST KIT	2

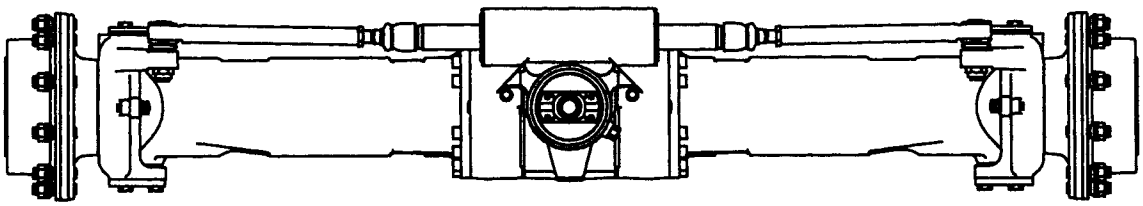


ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-116	STUD	10*
2	7-368-117	WHEEL HUB ASSY (INCL. ITEM 1)	2
3	7-368-118	O-RING	2
4	7-368-119	BEARING	4
5	7-368-120	LOCKRING	2
6	7-368-121	WHEEL CARRIER	2
7	7-368-122	CROWN GEAR	2
8	7-368-123	CENTERING BUSHING	16
9	7-368-64	BOLT	16
10	7-368-124	WASHER	20
11	7-368-125	NUT	20
12	7-368-126	CASSETTE SEAL	2
13			
14		* QUANTITY VALID FOR ONLY ONE WHEEL HUB	



ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-127	BOLT	6
2	7-368-128	PIN	6
3	7-368-129	THRUST WASHER	6
4	7-368-130	THRUST WASHER	6
5	7-368-131	PLANETARY GEAR	6
6	7-368-132	NEEDLE BEARING (BY TENS)	16.8
7	7-368-133	THRUST WASHER	6
8	7-368-134	PLANETARY CARRIER ASSY	2
9	7-368-14	OIL PLUG	2
10	7-368-135	BOLT	4

REAR AXLE
PARTS BOOK
TH528



DATE: 8-30-99

CARRARO 26.25M SERIES

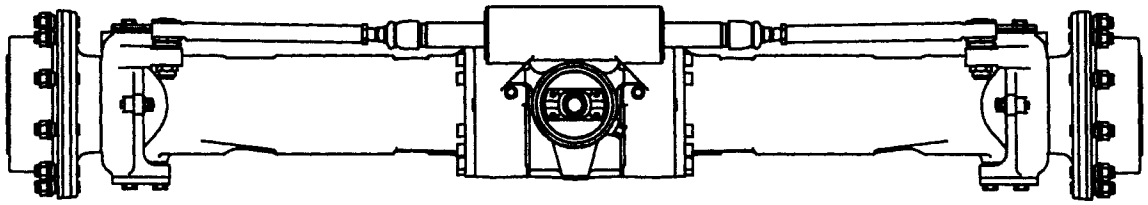
7-368-11 STEERING CYLINDER

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

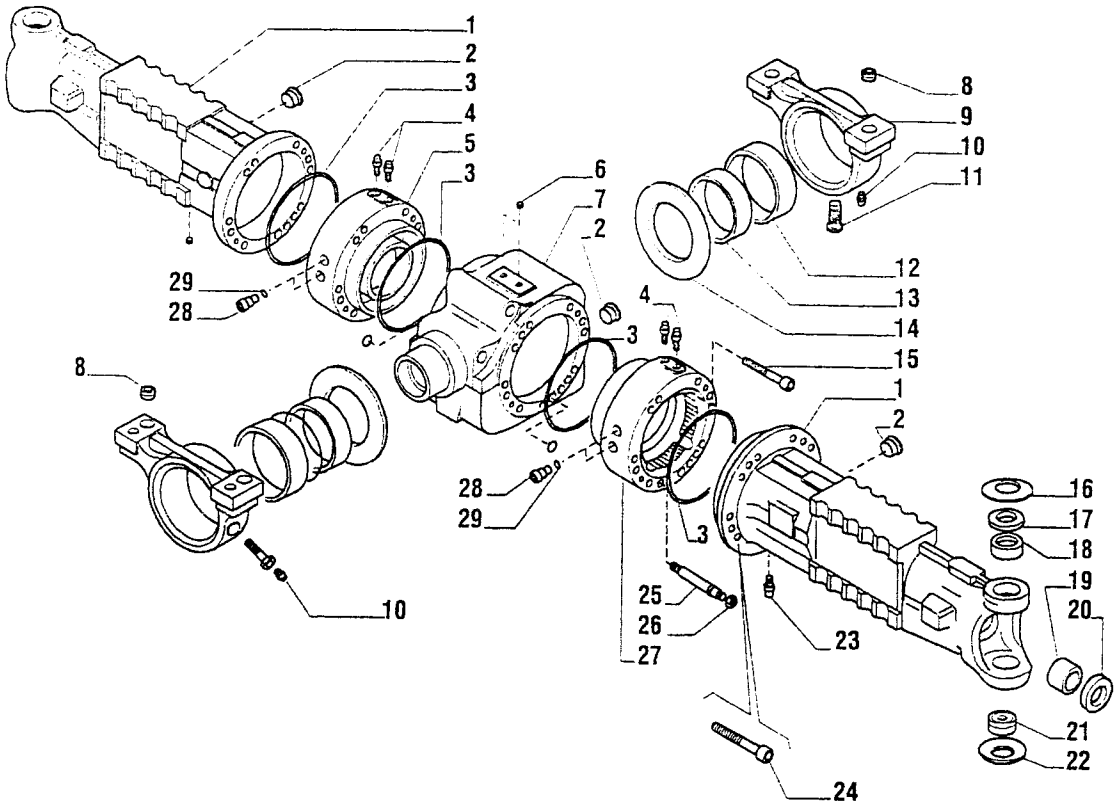
AXLE PARTS ORDERING GUIDE

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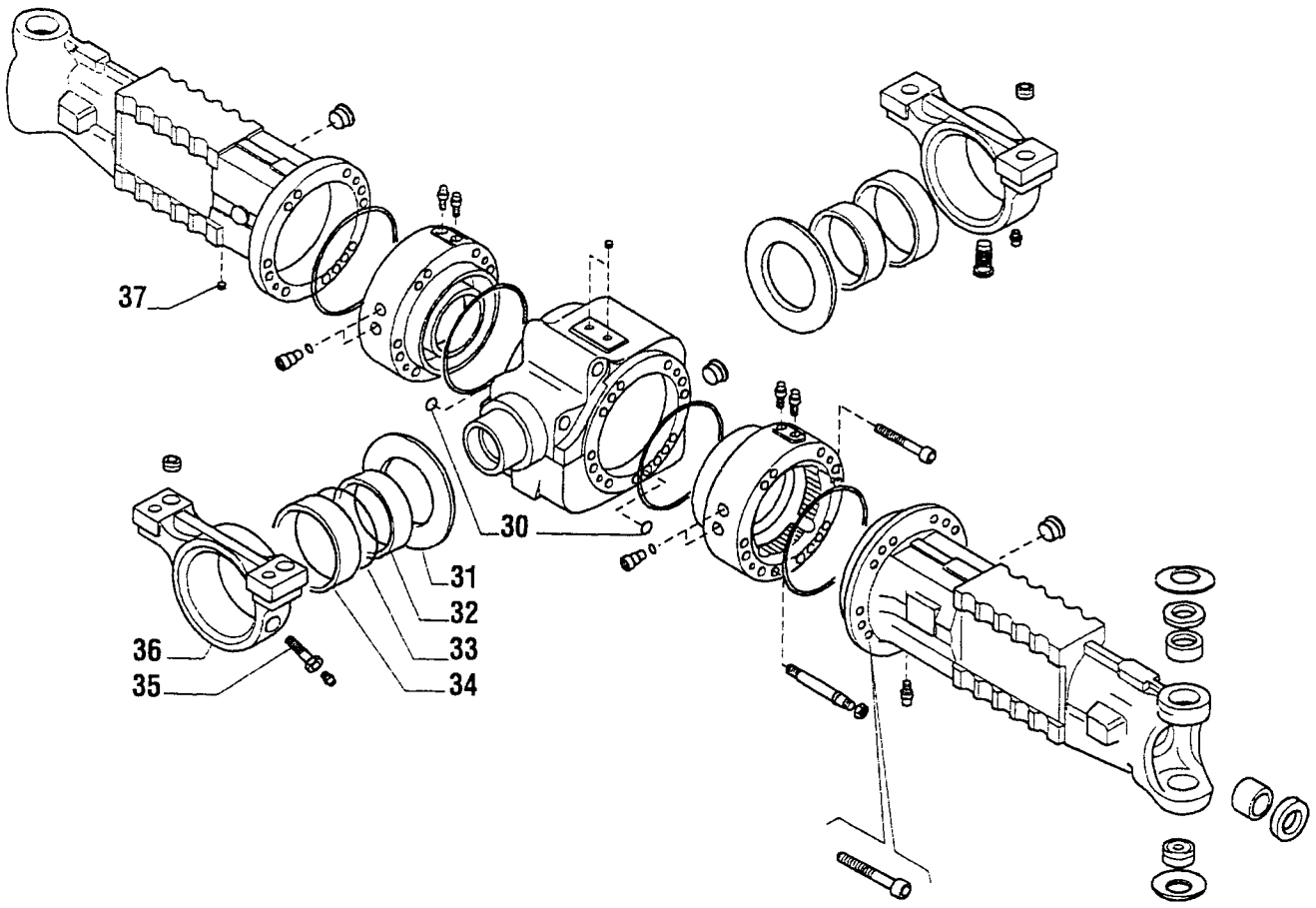
L.H. R.H.



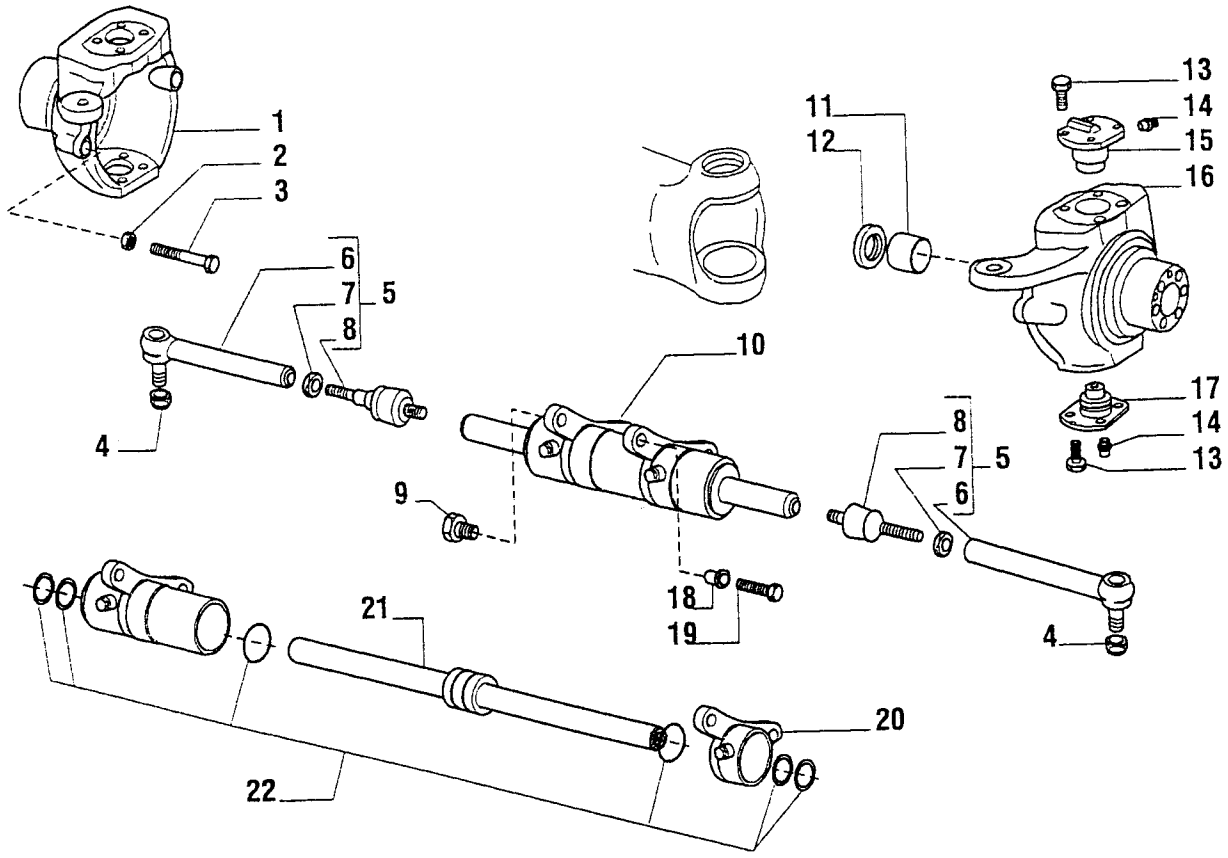
LOOKING STRAIGHT AT AXLE END YOKE



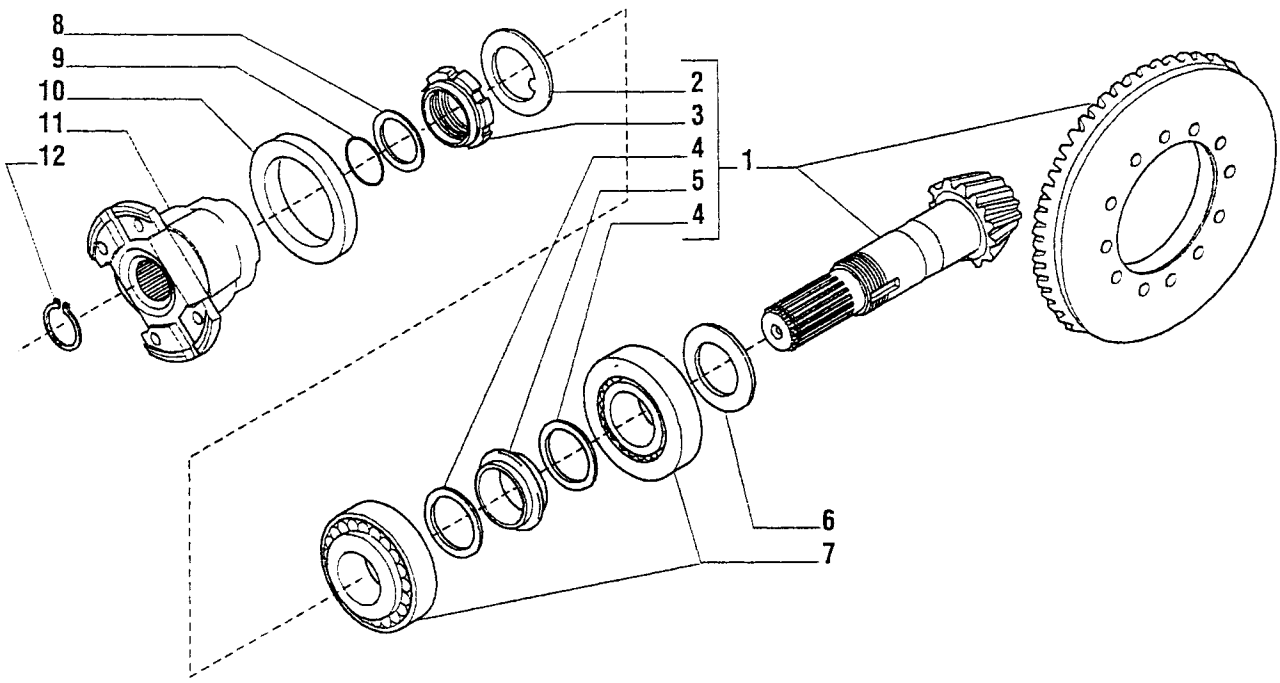
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-13	BEAM TRUMPET	2
2	7-368-14	PLUG	3
3	7-368-15	O-RING	4
4	7-368-16	BREATHER	2
5	7-368-17	BRAKE FLANGE LH	1
6	7-368-18	PLUG	2
7	7-368-19	CENTRAL BODY	1
8	7-368-20	BUSHING	4
9	7-368-21	FRONT SUPPORT	1
10	7-368-22	GREASE FITTING	2
11	7-368-23	BOLT	1
12	7-368-24	BUSHING	1
13	7-368-25	BUSHING	1
14	7-368-26	THRUST WASHER	1
15	7-368-27	BOLT	2
16	7-368-28	BELLEVILLE WASHER	2
17	7-368-29	SHIM	2
18	7-368-30	BUSHING	2
19	7-368-31	BUSHING	2
20	7-368-32	OIL SEAL RING	2
21	7-368-33	SPHERICAL BEARING	2
22	7-368-34	BELLEVILLE WASHER	2
23	7-368-35	BREATHER	1
24	7-368-36	BOLT	22
25	7-368-37	STUD	2
26	7-368-38	NUT	2
27	7-368-39	BRAKE FLANGE RH	1
28	7-368-40	CONNECTION	2
29	7-368-41	O-RING	2



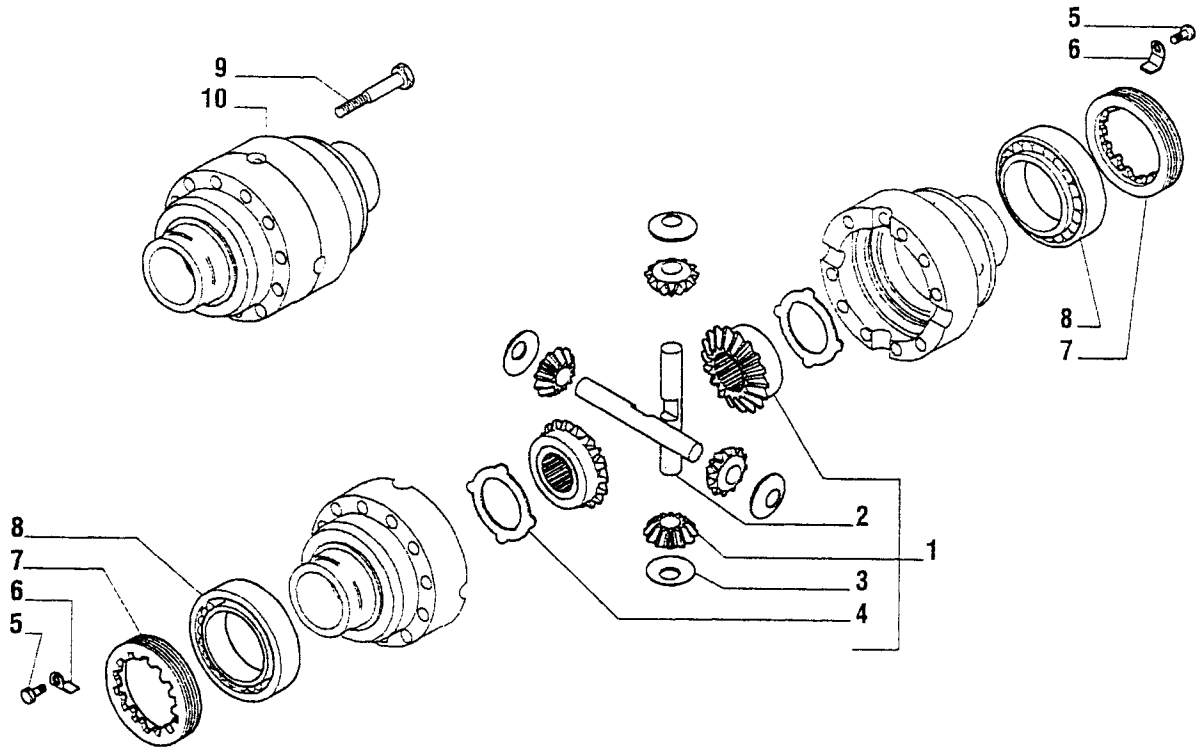
ITEM	NUMBER	DESCRIPTION	REQD
30	7-368-42	O-RING	2
31	7-368-43	THRUST WASHER	1
32	7-368-44	BUSHING	1
33	7-368-45	O-RING	1
34	7-368-46	BUSHING	1
35	7-368-47	BOLT	1
36	7-368-48	REAR SUPPORT	1
37	7-368-49	PLUG	1



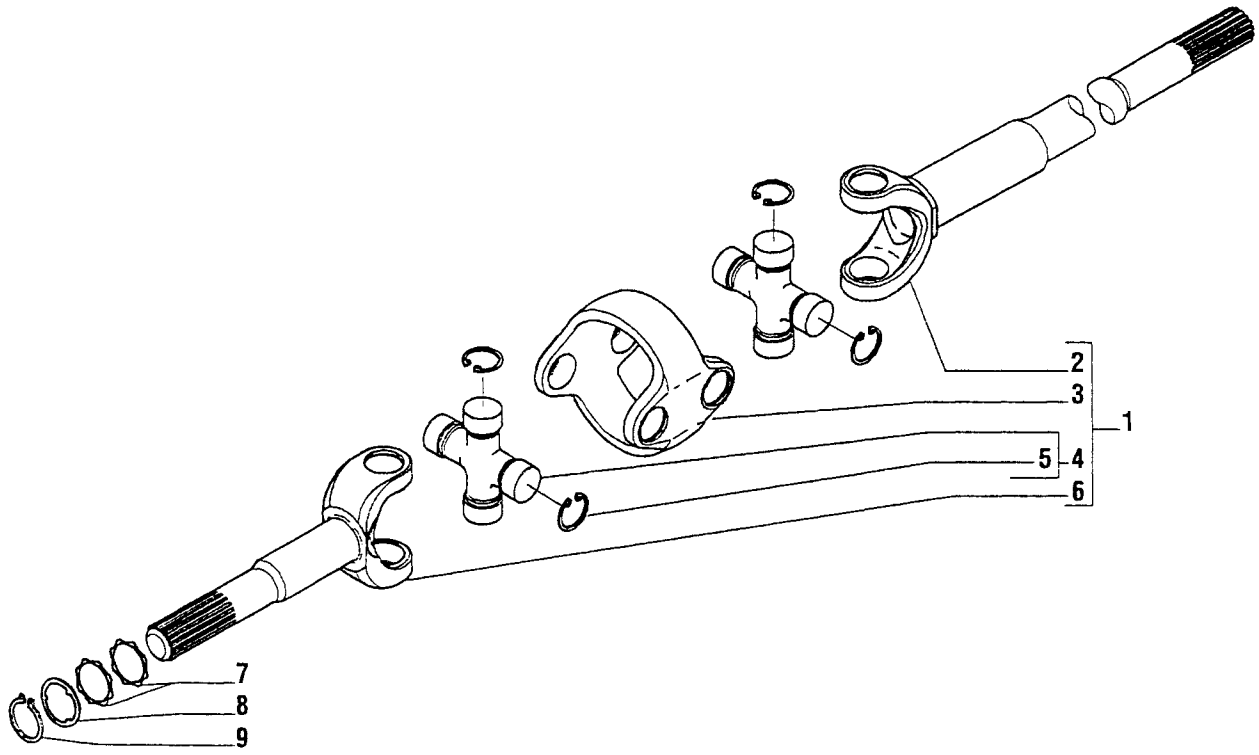
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-50	SWIVEL HOUSING LH	1
2	7-368-51	NUT	4
3	7-368-52	BOLT	4
4	7-368-53	NUT	2
5	7-368-54	STEERING ARM ASSEMBLY	2
6	7-368-08	TIE ROD	1*
7	7-368-10	NUT	1*
8	7-368-09	BALL JOINT	1*
9	7-368-55	BOLT	2
10	7-368-11	STEERING CYLINDER	1
11	7-368-56	BUSHING	2
12	7-368-57	OIL SEAL RING	2
13	7-368-58	BOLT	16
14	7-368-59	GREASE FITTING	4
15	7-368-60	KING PIN	2
16	7-368-61	SWIVEL HOUSING RH	1
17	7-368-62	KING PIN	2
18	7-368-63	BUSHING	2
19	7-368-64	BOLT	2
20	7-368-65	CYLINDER HEAD	2
21	7-368-66	ROD	1
22	7-368-12	OIL SEAL KIT	1
23			
24	*QUANTITY VALID FOR ONLY ONE STEERING ARM ASSEMBLY		



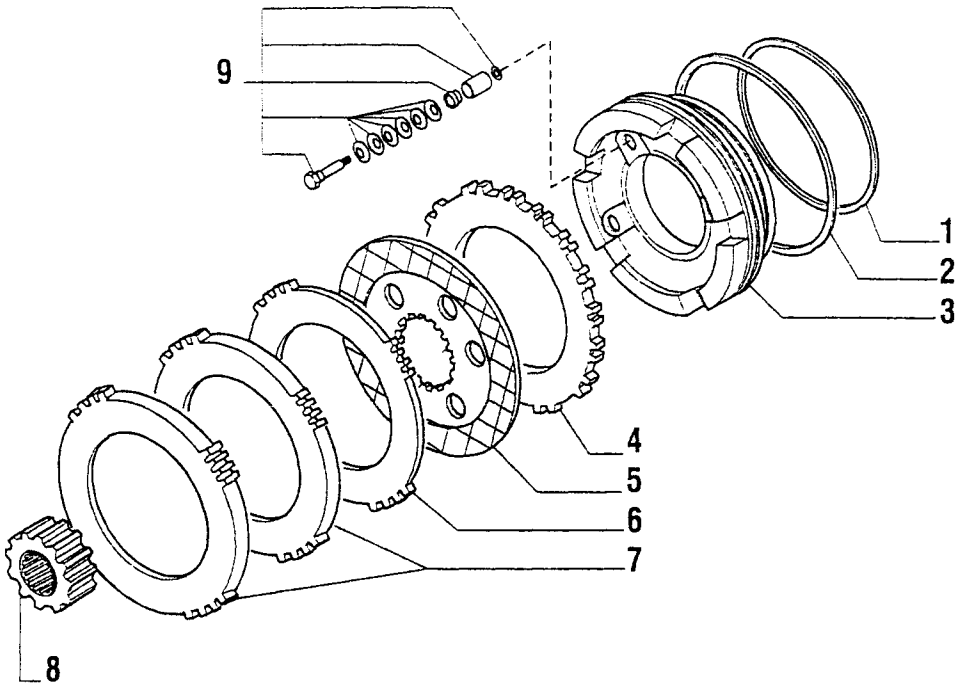
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-67	BEVEL GEAR SET (INCL. ITEMS 2-5)	1
2	7-368-68	LOCKWASHER	1
3	7-368-69	RING NUT	1
4	7-368-70	WASHER	2
5	7-368-71	COLLAPSIBLE SPACER	1
6		SHIM / SEE ITEMS 13 THRU 22	
7	7-368-82	BEARING	2
8	7-368-83	WASHER	1
9	7-368-84	O-RING	1
10	7-368-85	OIL SEAL	1
11	7-368-86	FLANGE	1
12	7-368-87	SNAP RING	1
13	7-368-72	SHIM 2.50mm	
14	7-368-73	SHIM 2.60mm	
15	7-368-74	SHIM 2.70mm	
16	7-368-75	SHIM 2.80mm	
17	7-368-76	SHIM 2.90mm	
18	7-368-77	SHIM 3.00mm	
19	7-368-78	SHIM 3.10mm	
20	7-368-79	SHIM 3.20mm	
21	7-368-80	SHIM 3.30mm	
22	7-368-81	SHIM 3.40mm	



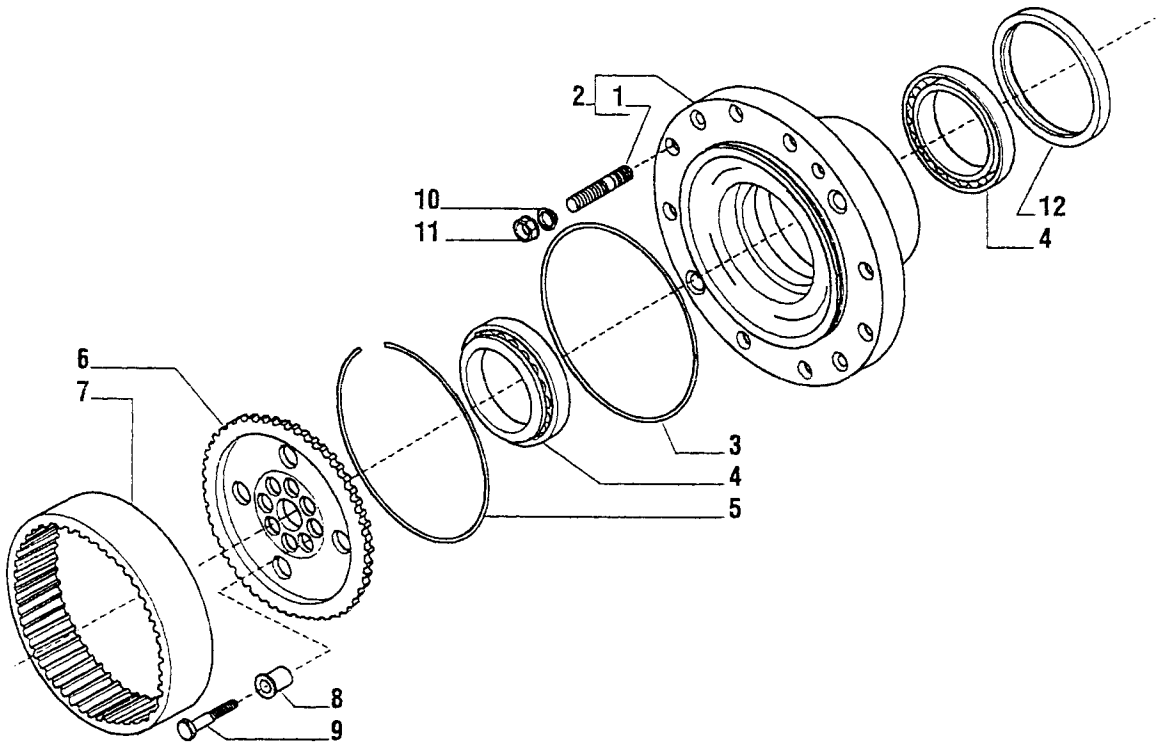
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-88	DIFFERENTIAL KIT (INCL. ITEMS 2-4)	1
2	7-368-89	SHAFT	2
3	7-368-90	THRUST WASHER	4
4	7-368-91	DRIVE PLATE	2
5	7-368-92	BOLT	2
6	7-368-93	LOCKING PLATE	2
7	7-368-94	RING NUT	2
8	7-368-95	BEARING	2
9	7-368-96	BOLT	12
10	7-368-97	DIFFERENTIAL HOUSING	1



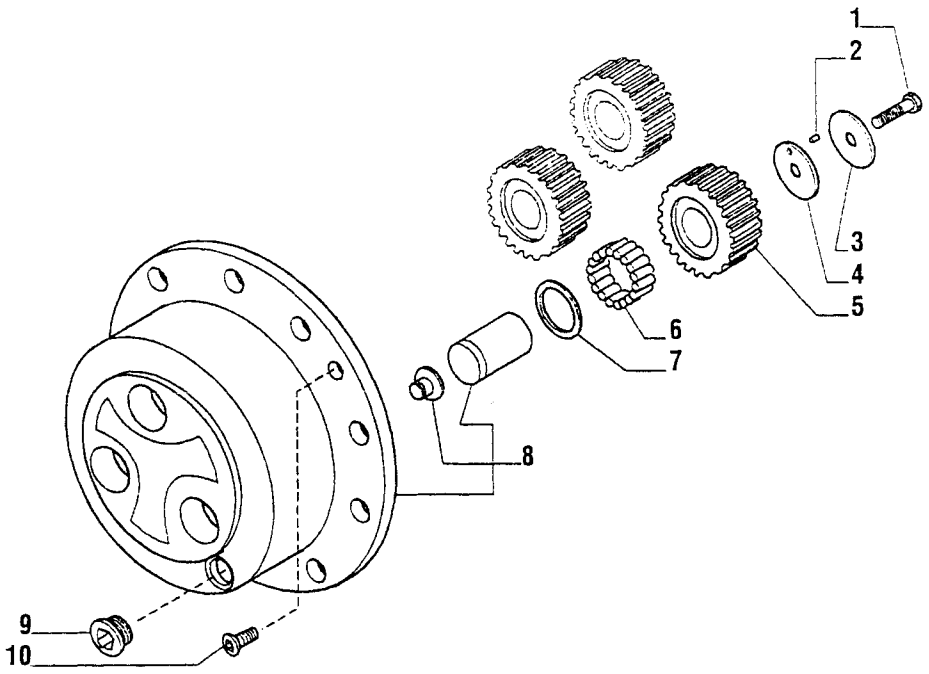
ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-98	DRIVE SHAFT	2
2	7-368-99	HALF SHAFT (DIFFERENTIAL SIDE)	1*
3	7-368-100	CENTRAL BODY	1*
4	7-368-101	SPIDER	2*
5	7-368-102	SNAP RING	8*
6	7-368-103	HALF SHAFT (WHEEL SIDE)	1*
7	7-368-104	THRUST WASHER	4
8	7-368-105	WASHER	2
9	7-368-106	SNAP RING	2
10			
11		* QUANTITIES VALID FOR ONLY ONE DOUBLE JOINT	



ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-107	QUADRING	2
2	7-368-108	QUADRING	4
3	7-368-109	BRAKE PISTON (POS.)	2
4	7-368-110	DRIVE PLATE	2
5	7-368-111	BRAKE DISC	2
6	7-368-112	DRIVE PLATE	6
7	7-368-113	DRIVE PLATE	4
8	7-368-114	SLEEVE	2
9	7-368-115	SELF ADJUST KIT	2



ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-116	STUD	10*
2	7-368-117	WHEEL HUB ASSY (INCL. ITEM 1)	2
3	7-368-118	O-RING	2
4	7-368-119	BEARING	4
5	7-368-120	LOCKRING	2
6	7-368-121	WHEEL CARRIER	2
7	7-368-122	CROWN GEAR	2
8	7-368-123	CENTERING BUSHING	16
9	7-368-64	BOLT	16
10	7-368-124	WASHER	20
11	7-368-125	NUT	20
12	7-368-126	CASSETTE SEAL	2
13			
14		* QUANTITY VALID FOR ONLY ONE WHEEL HUB	



ITEM	NUMBER	DESCRIPTION	REQD
1	7-368-127	BOLT	6
2	7-368-128	PIN	6
3	7-368-129	THRUST WASHER	6
4	7-368-130	THRUST WASHER	6
5	7-368-131	PLANETARY GEAR	6
6	7-368-132	NEEDLE BEARING (BY TENS)	16.8
7	7-368-133	THRUST WASHER	6
8	7-368-134	PLANETARY CARRIER ASSY	2
9	7-368-14	OIL PLUG	2
10	7-368-135	BOLT	4