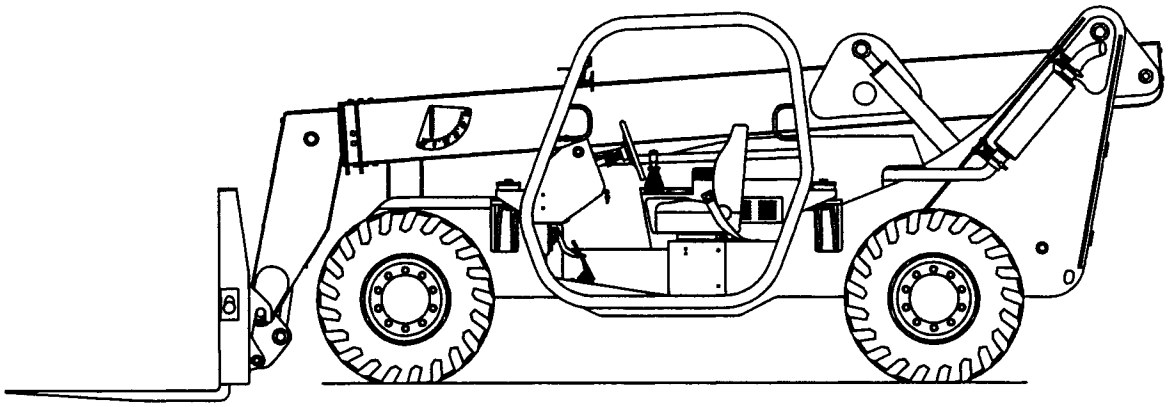
235751

https://truckmanualshub.com/

PARTS BOOK
TH528C



DATE: 05-16-03

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

Serial Number:_____

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

https://truckmanualshub.com/

INDEX / STANDARD EQUIPMENT

TH528C

PAGE	DESCRIPTION	DRAWING
1	SEAL KITS / TH528C	P1-1624
2	LUBE CHART / TH528C	P1-1623
3	FILTER GUIDE	P1-1625
4	DECALS	P1-1764
5	GENERAL ASSEMBLY	P1-1732
6	OPERATOR'S COMPARTMENT ASSEMBLY	P1-1691
7	POWER TRAIN ASSY	P1-1628
8	ENGINE & PUMP ASSY / CUMMINS B3.3-85	P1-1635
9	BOOM ASSEMBLY	P1-1359
10	FOOT BRAKE ASSEMBLY	P1-1533
11	ACCELERATOR ASSY / CUMMINS B3.3-85	P1-1629
12	ACCELERATOR ASSEMBLY / PEDAL END	P1-1683
13	ENGINE ENCLOSURE ASSEMBLY	P1-1363
14	EXHAUST ASSEMBLY / CUMMINS B3.3-85	P1-1630
15	AIR CLEANER ASSEMBLY	P1-1631
16	DRIVESHAFT ASSEMBLY / FRONT	P1-1614
17	DRIVESHAFT ASSEMBLY / REAR	P1-1655
18	TIRE & WHEEL ASSEMBLY	P1-1669
19	ELECTRIC SCHEMATIC	P1-1632
20	WIRING DIAGRAM	P1-1633
21	INSTRUMENT PANEL ASSEMBLY	P1-1688
22	HYDRAULIC SCHEMATIC	P1-1634
23	CIRCUIT / PUMP / OIL RESERVOIR	P1-1647
24	CIRCUIT / LIFT	P1-1333
25	CIRCUIT / BOOM	P1-1334
26	CIRCUIT / TILT-SLAVE	P1-1339
27	CIRCUIT / 4-WAY CONTROLLER	P1-1648
28	CIRCUIT / STEERING	P1-1650
29	CIRCUIT / SWAY	P1-1337
30	CIRCUIT / PARKING BRAKE	P1-1008
31	CIRCUIT / BRAKE	P1-1651
32	CIRCUIT / OIL COOLER	P1-1652
33	CIRCUIT / FUEL / CUMMINS B3.3-85	P1-1653
34	STARTER RELAY / SENDER ASSY / B3.3-85	P1-1654
35	AIR CLEANER / FUEL TANK / BATTERY BOX ASSY	P1-1341
36	LIFT CYLINDER / 7-316-332	P1-1352
37	TILT CYLINDER / 7-316-329	P1-1353
38	BOOM CYLINDER / 7-316-328	P1-1354
39	SWAY CYLINDER / 7-316-331	P1-1355
40	SLAVE CYLINDER / 7-316-330	P1-1356
41	ORBITRAL ASSEMBLY / 7-147-01	P1-1554
42	SELECTOR VALVE / STEERING / 7-359-02	P4-2009
43	RETURN FILTER ASSEMBLY / 7-118-01	P1-1513

https://truckmanualshub.com/

INDEX / STANDARD EQUIPMENT
TH528C

PAGE	DESCRIPTION	DRAWING
44	CONTROL BLOCK ASSEMBLY / 7-234-94	P1-1350
45	4-WAY CONTROLLER ASSEMBLY / 7-358-03	P1-1280
46	MAIN VALVE ASSEMBLY / 7-358-15	P1-1364
47	HYDRAULIC PUMP ASSEMBLY / 7-345-113	P4-2059
48	ELECTRIC 4-WAY VALVE / 7-367-09	P1-1447
49	ELECTRIC 4-WAY VALVE / 7-244-31	P3-1140
50	CONTROLLER RELIEF VALVE / 7-367-01	P1-1446

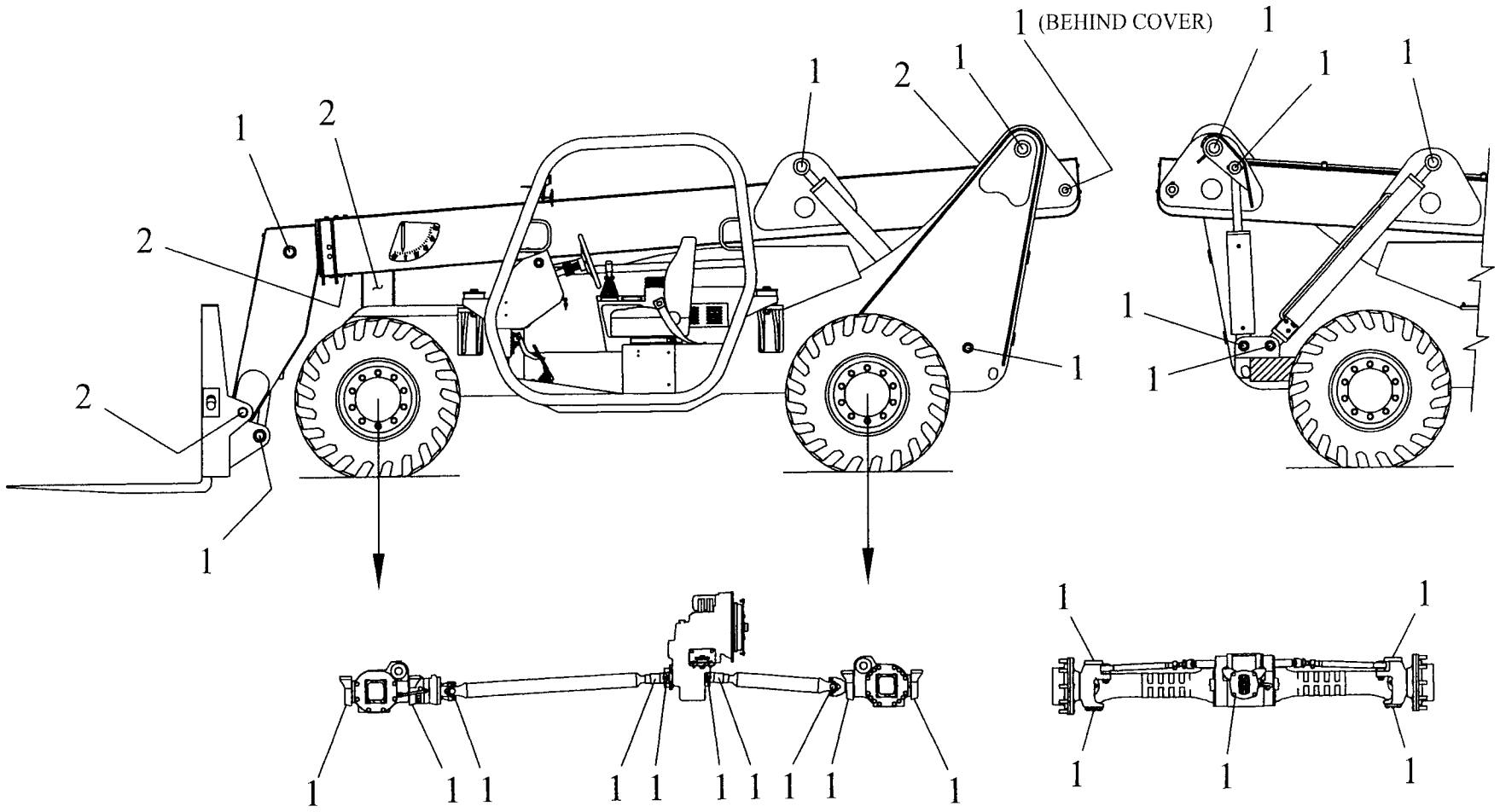
INDEX / OPTIONAL EQUIPMENT
TH528C

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

https://truckmanualshub.com/

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

https://truckmanualshub.com/


1 (BEHIND COVER)
1
2
1
2
1
2
1
2
1
1
1

https://truckmanualshub.com/

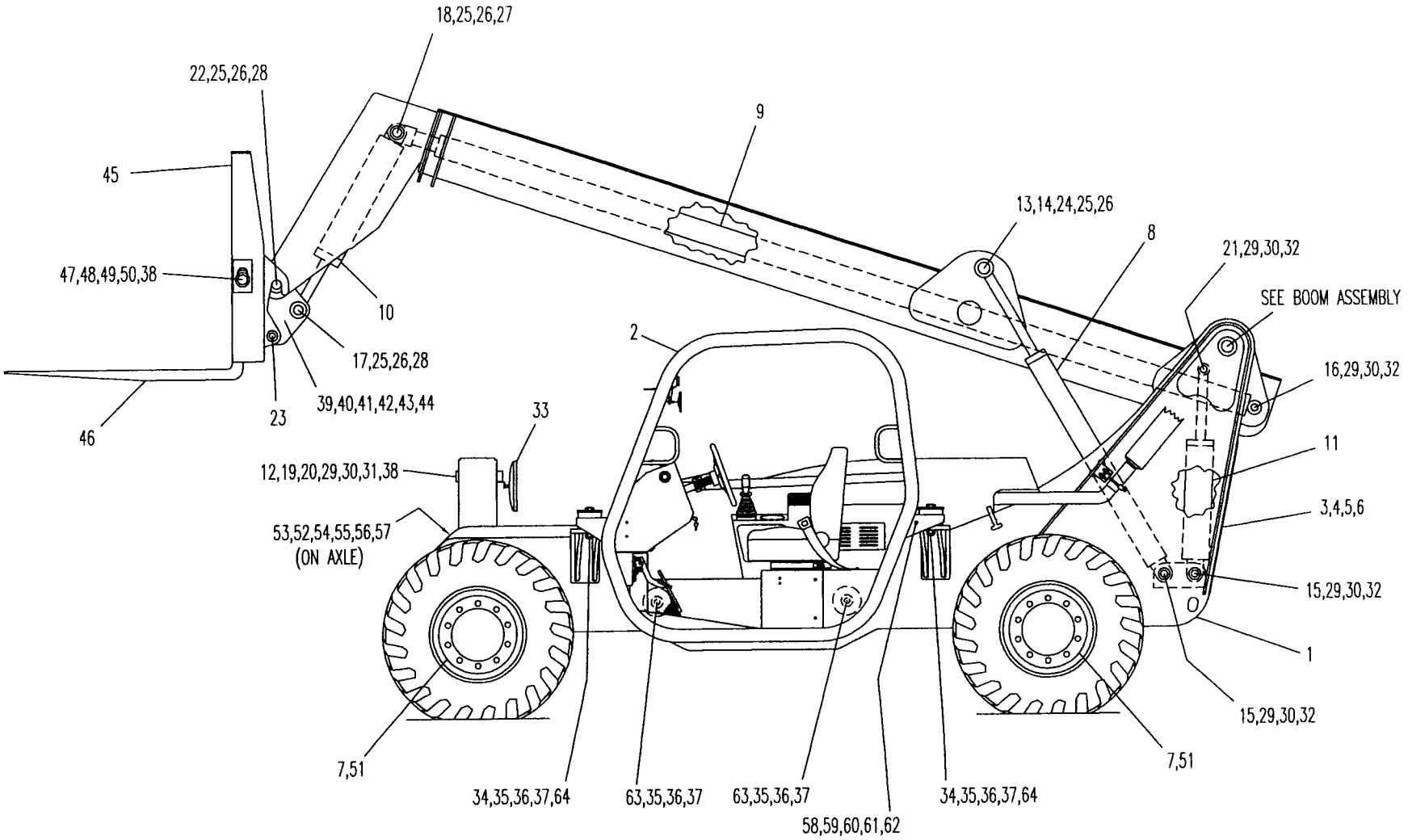
TH528C FILTER GUIDE

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

https://truckmanualshub.com/

ITEM	NUMBER	DESCRIPTION	REQD
1	2-1275	DECAL / LOAD CHART / TH528C	1
2	4-2282-6	DECAL / TH528C TURBO	2
3	4-1401-1	DECAL / STEERING SELECTOR	1
4	4-1401-2	DECAL / DIESEL FUEL	1
5	4-1401-3	DECAL / HYDRAULIC OIL LEVEL	1
6	4-1401-8	DECAL / TRANSMISSION OIL	1
7	4-1401-10	DECAL / TRANSMISSION CONTROL	1
8	2-1280	DECAL / 4-WAY CONTROLLER	1
9	4-1880-1	DECAL / BOOM ANGLE / WHITE LETTER	1
10	4-1880-11	DECAL / A / WHITE LETTER	1
11	4-1880-12	DECAL / B / WHITE LETTER	1
12	4-1880-13	DECAL / C / WHITE LETTER	1
13	4-1880-14	DECAL / D / WHITE LETTER	1
14	4-1105-16	DECAL / MADE IN USA	4
15	3-1257-1	DECAL / HYDRAULIC OIL ONLY	1
16	2-1290	DECAL / FALLING OBJECT HAZARD	1
17	2-1291	DECAL / ALWAYS USE THE SEAT BELT	1
18	2-1292	DECAL / READ THE OPERATORS MANUAL	1
19	2-1293	DECAL / BURN HAZARD	3
20	2-1294	DECAL / CRUSH HAZARD-PINCH POINT	11
21	2-1295	DECAL / OVERTURNING HAZARD	1
22	2-1296	DECAL / OVERTURNING HAZARD-SWAY	1
23	2-1298	DECAL / OVERHEAD CRUSH HAZARD	1
24	2-1299	DECAL / CRUSH HAZARD-PARKING BRAKE	1
25	2-1300	DECAL / CRUSH HAZARD-NO RIDERS	1
26	2-1301	DECAL / ELECTRICAL HAZARD	1
27	2-1302	DECAL / NOT A MAN-LIFT	2
28	2-1303	DECAL / EXPLOSION-BURN HAZARD-FLUIDS	2
29	2-1304	DECAL / EXPLOSION-BURN HAZARD-ACID	1
30	4-1579-15	DECAL / PARKING BRAKE CAUTION	1
31	7-349-01	DECAL / TEREX CROWN / SMALL	2
32	7-349-02	DECAL / TEREX CROWN / MEDIUM	2
33	7-349-03	DECAL / TEREX CROWN / LARGE	2
34	3-1228-2	DECAL / BRAKE ON	1
35	3-1228-7	DECAL / BRAKE OFF	1
36	4-2111-2	DECAL / TEREX / MEDIUM	2
37	1-1285	DECAL / CHEVRON TRANSMISSION OIL	1
38	1-1286	DECAL / CHEVRON HYDRAULIC OIL	1
39	1-1287	DECAL / DAILY CHECK LIST	1
40	2-1223-1	DECAL / TECHNICAL SUPPORT	1
41	2-1268-1	DECAL / DASH GANG SWITCHES	1
42	2-1269-1	DECAL / SWAY CONTROL / DASH	1
43	2-1270-1	DECAL / PUMP OFF / DASH	1
44	2-1271-1	DECAL / BRAKE ON / DASH	1
45	7-900-144	DECAL KIT (ITEMS 1 THRU 44)	REF

https://truckmanualshub.com/



https://truckmanualshub.com/

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

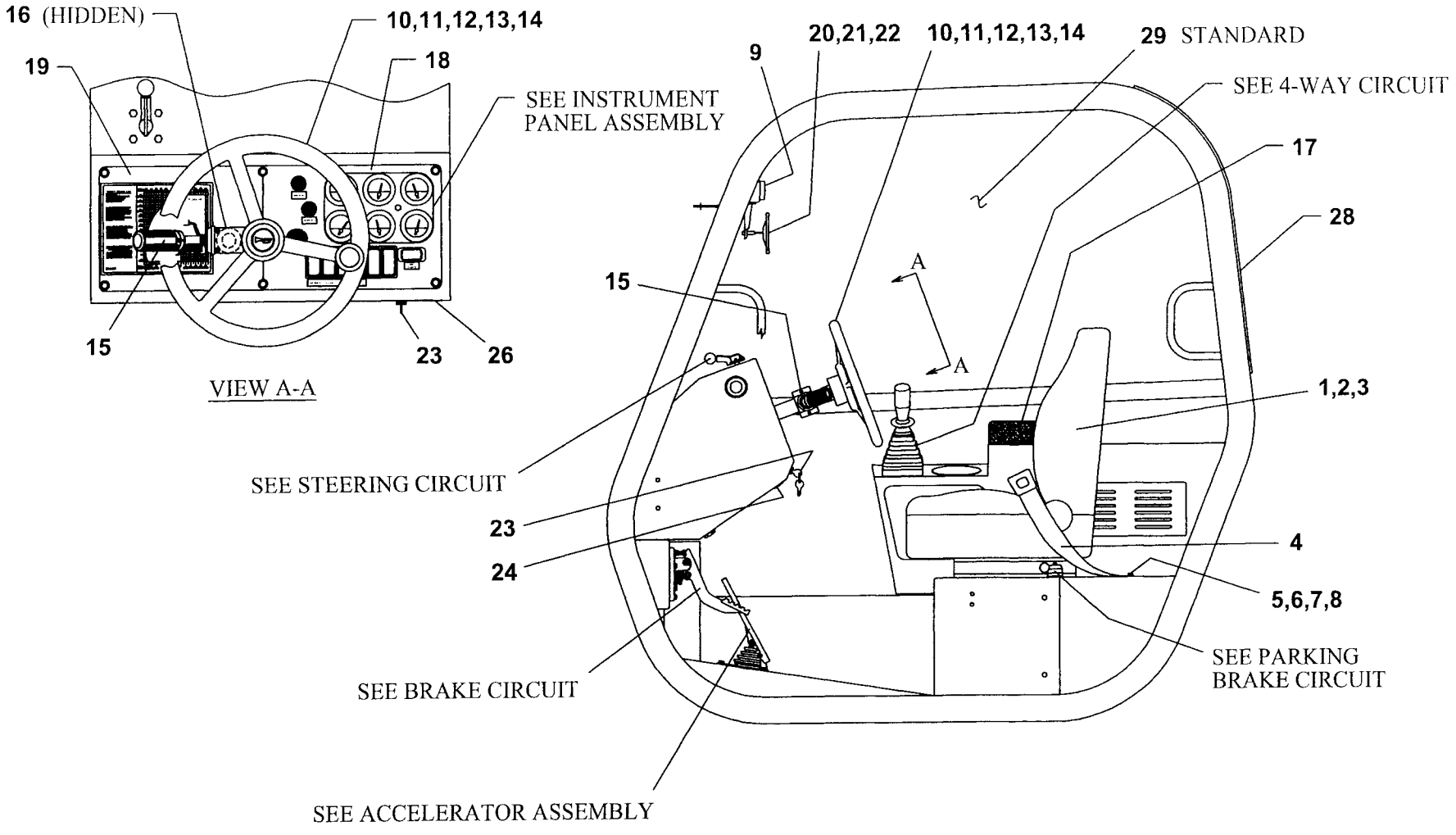
https://truckmanualshub.com/

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

https://truckmanualshub.com/

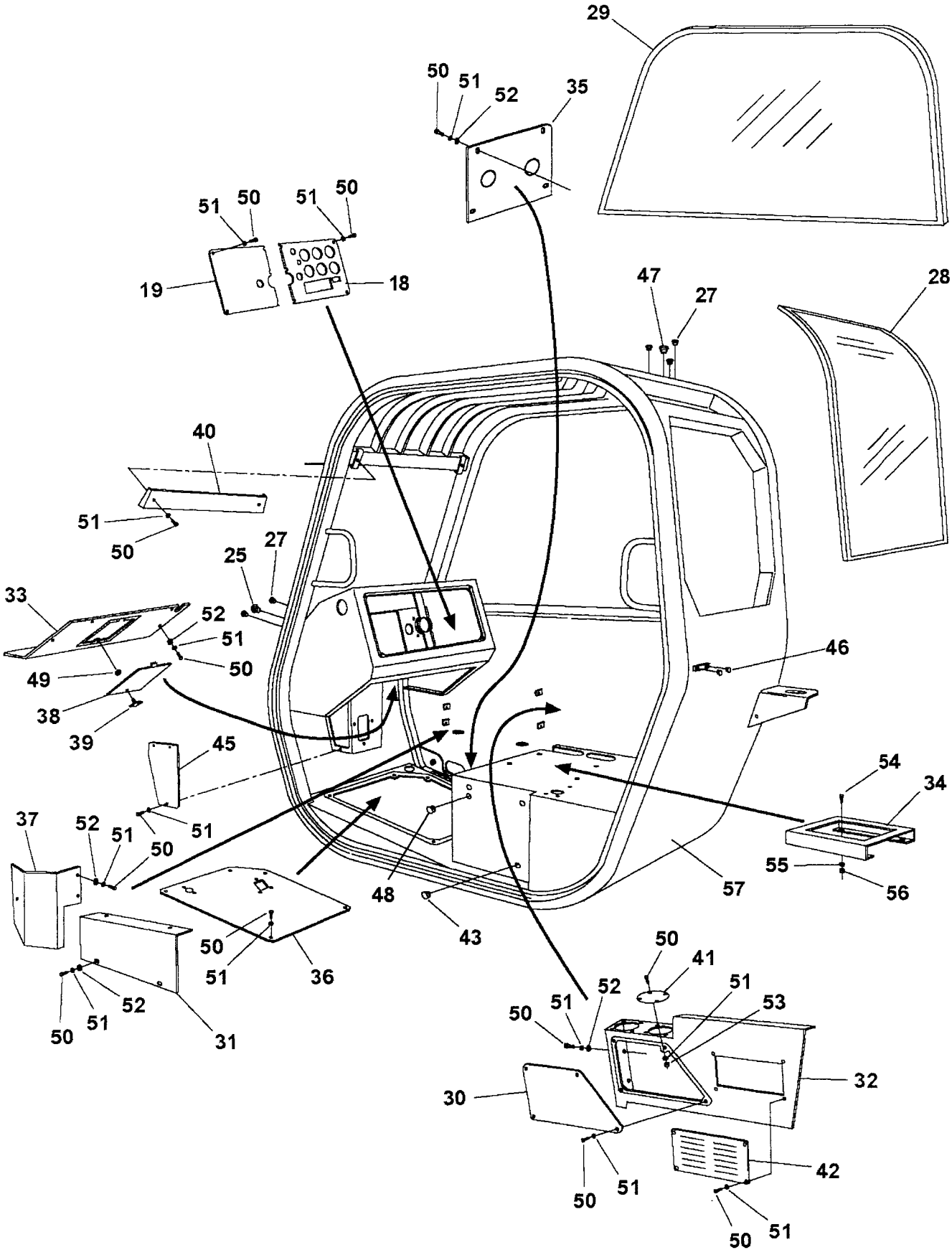
NOTES

https://truckmanualshub.com/



FOR ADDITIONAL CAB INFORMATION SEE OPTIONS SECTION

https://truckmanualshub.com/



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

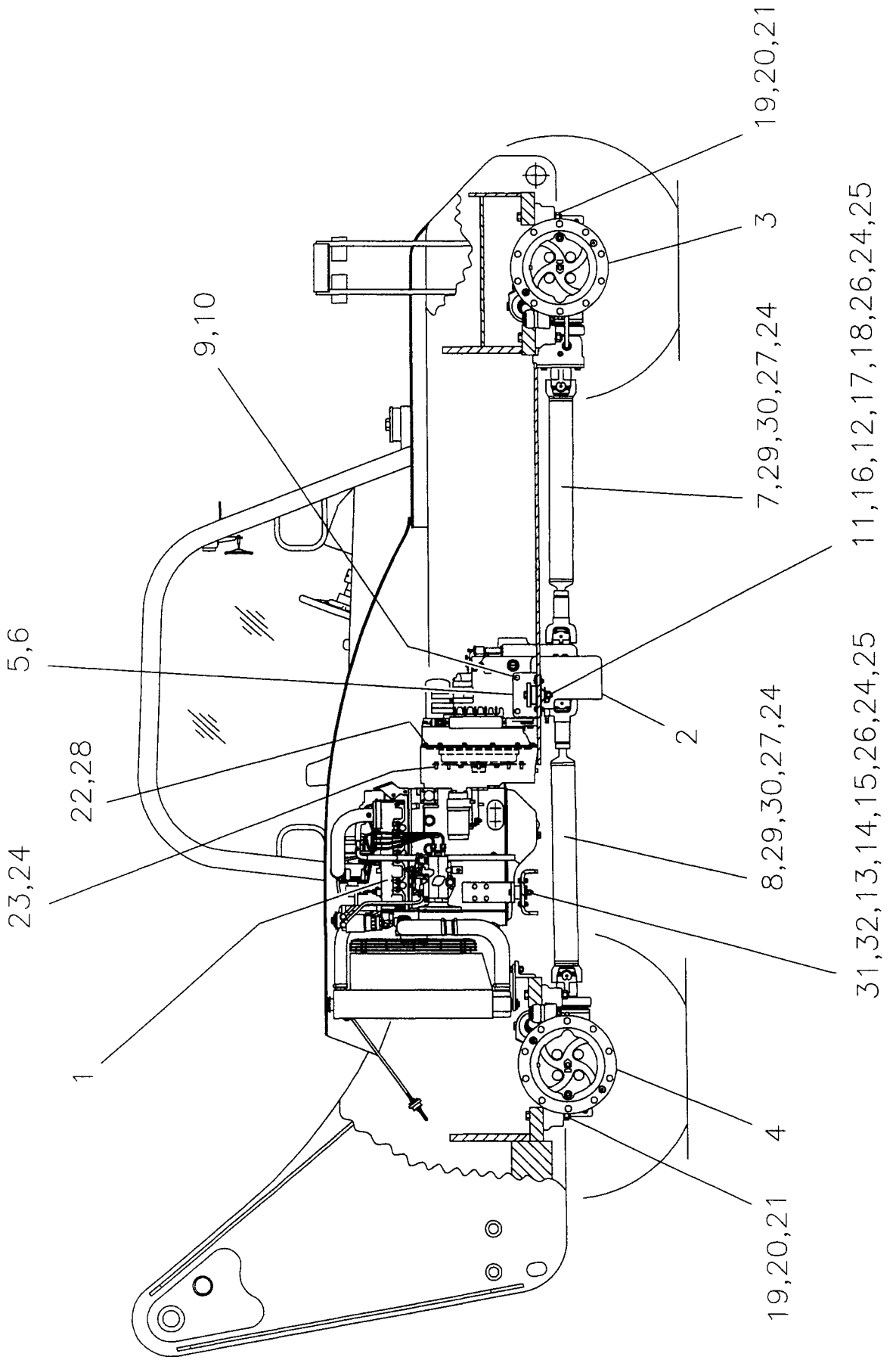
https://truckmanualshub.com/

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

https://truckmanualshub.com/

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

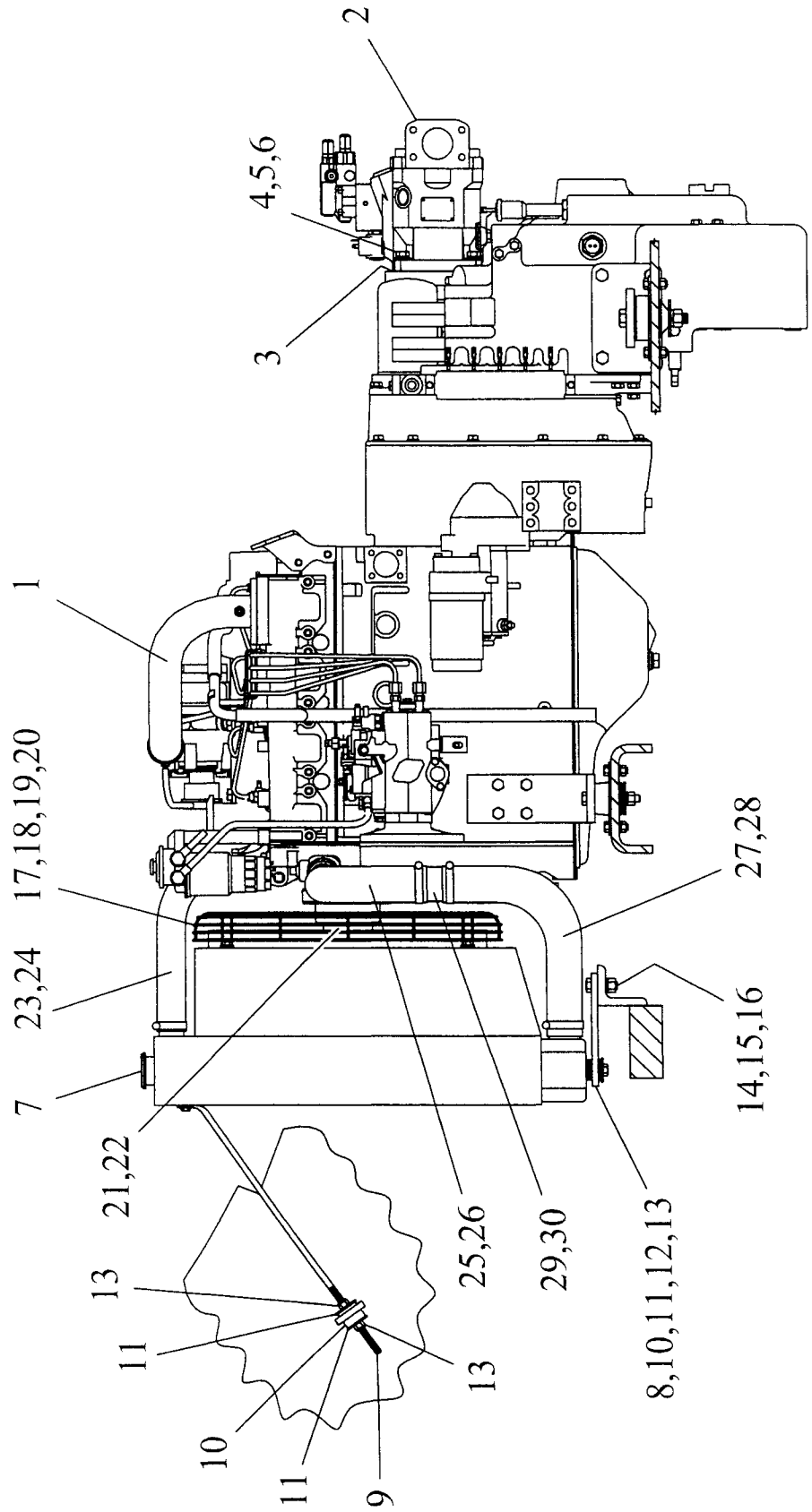
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/



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

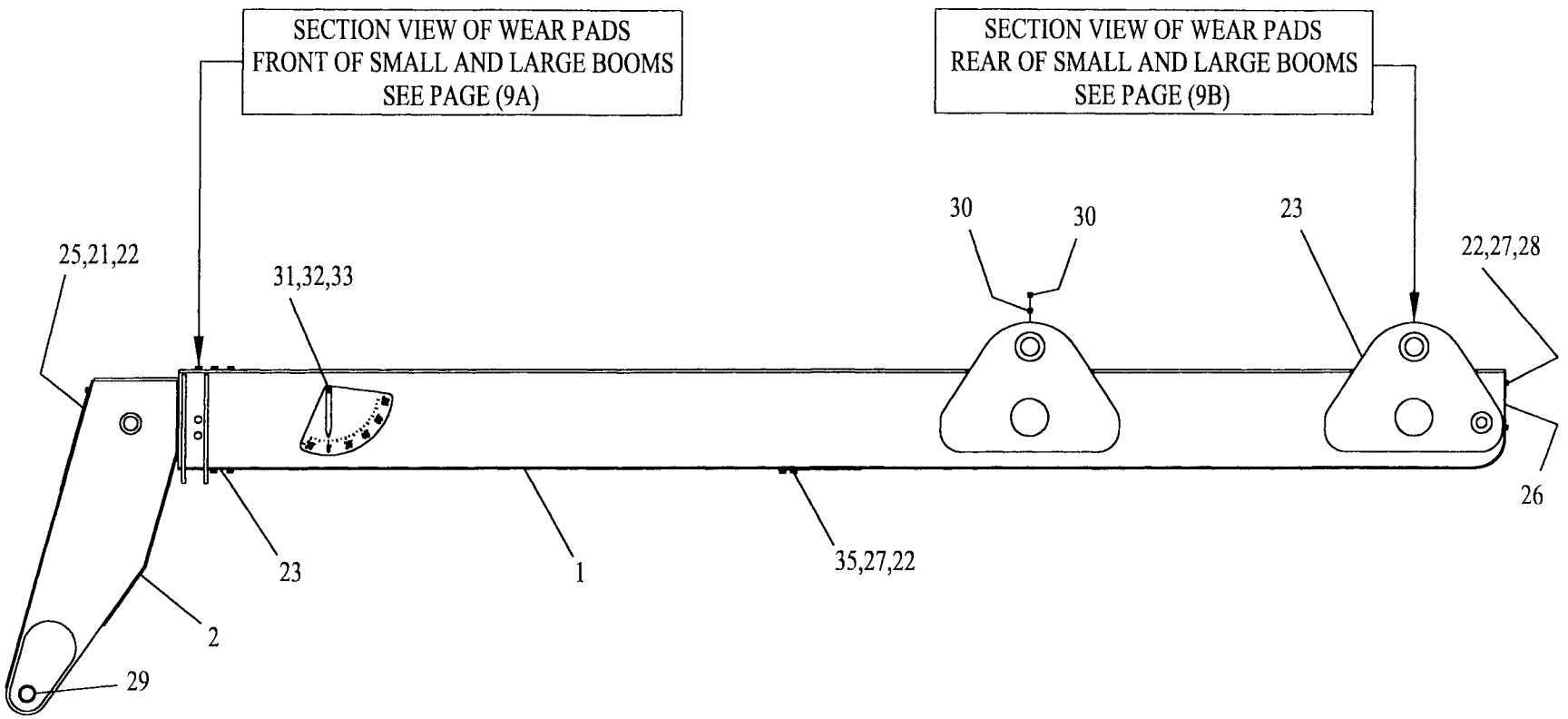
https://truckmanualshub.com/

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

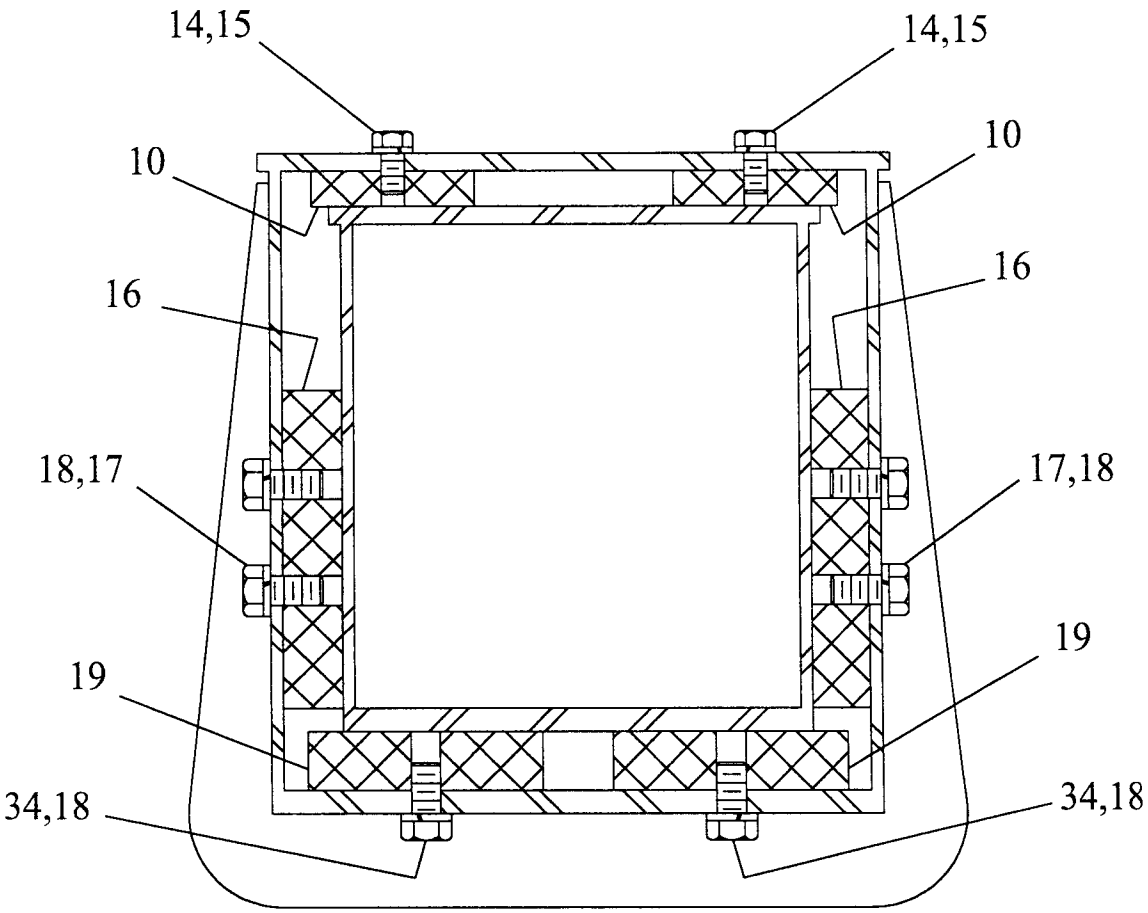
https://truckmanualshub.com/

BOOM ASSEMBLY
TH528C

DRAWING NUMBER P1-1359

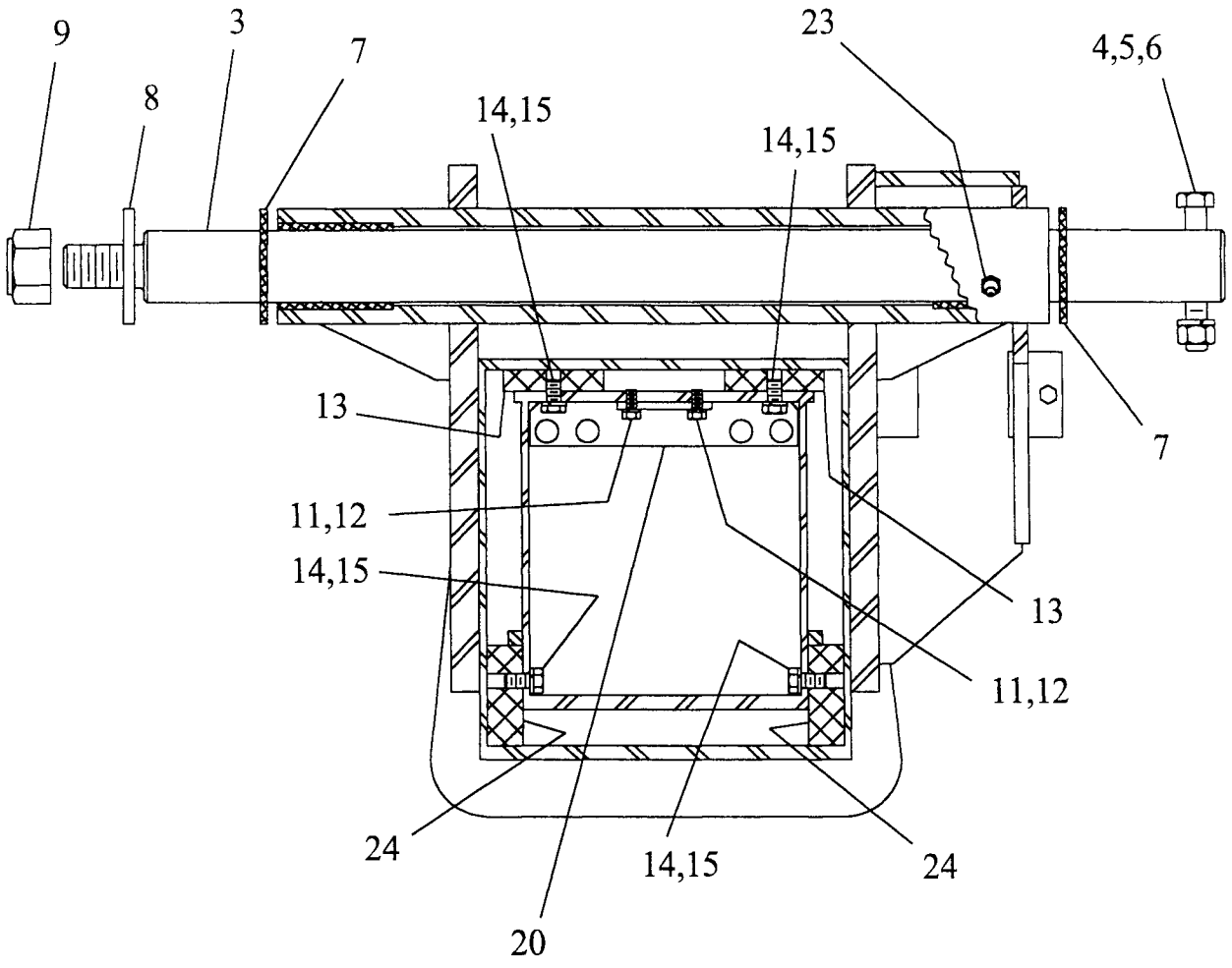


https://truckmanualshub.com/



SECTION VIEW OF WEAR PADS FRONT OF SMALL AND LARGE BOOMS

https://truckmanualshub.com/

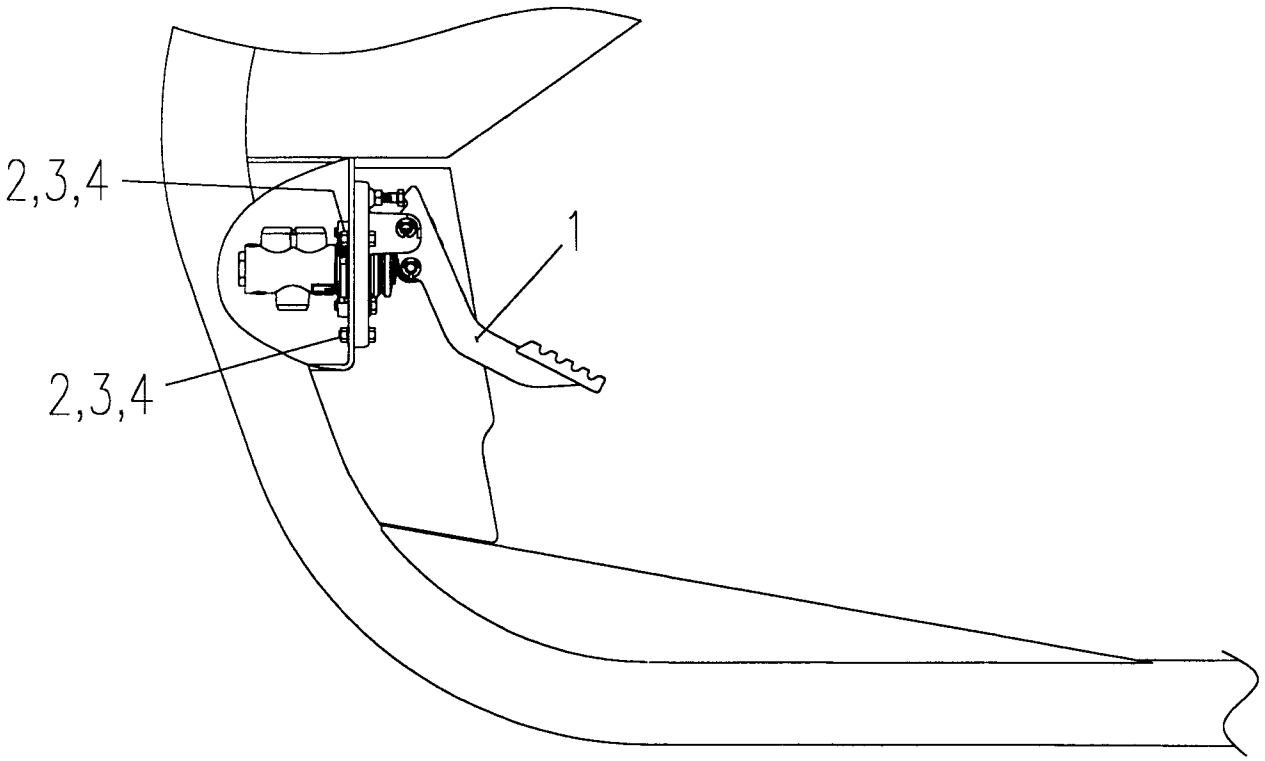


SECTION VIEW OF WEAR PADS AND PIVOT PIN REAR OF SMALL AND LARGE BOOMS

https://truckmanualshub.com/

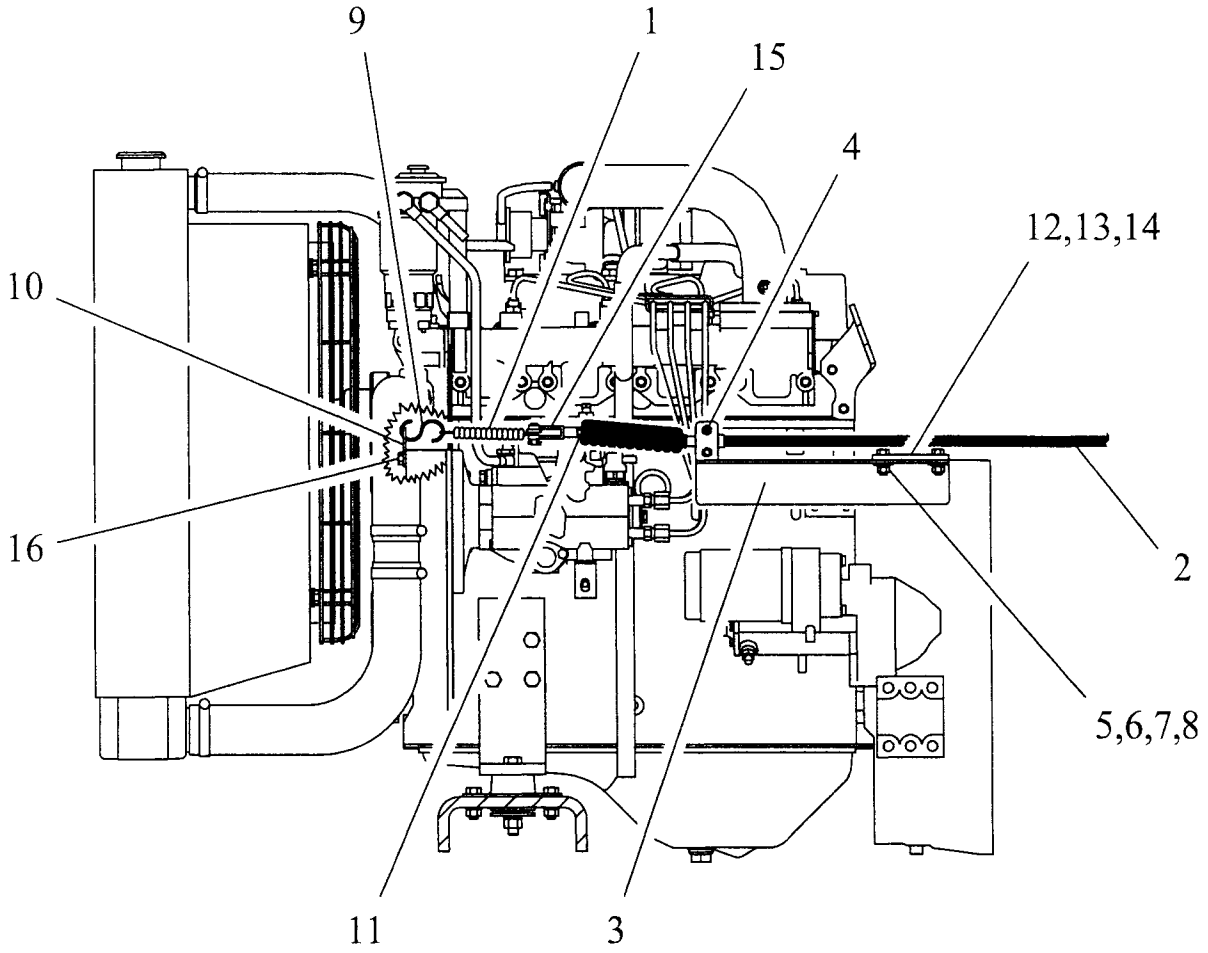
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2160	LARGE BOOM	1
2	4-2159	SMALL BOOM	1
3	3-1154-6	CROSS SHAFT / MAIN PIVOT	1
4	6-5312-40	CAPSCREW 3/4 NF x 5 LG.	1
5	6-6202-12	HEX NUT 3/4 NF	1
6	6-6211-12	LOCKWASHER 3/4	1
7	6-6600-13	THRUSTWASHER 4.00 x 2.50 x .250	2
8	1-1306	WASHER / STEEL	1
9	6-6206-24	SELF LOCKING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

https://truckmanualshub.com/



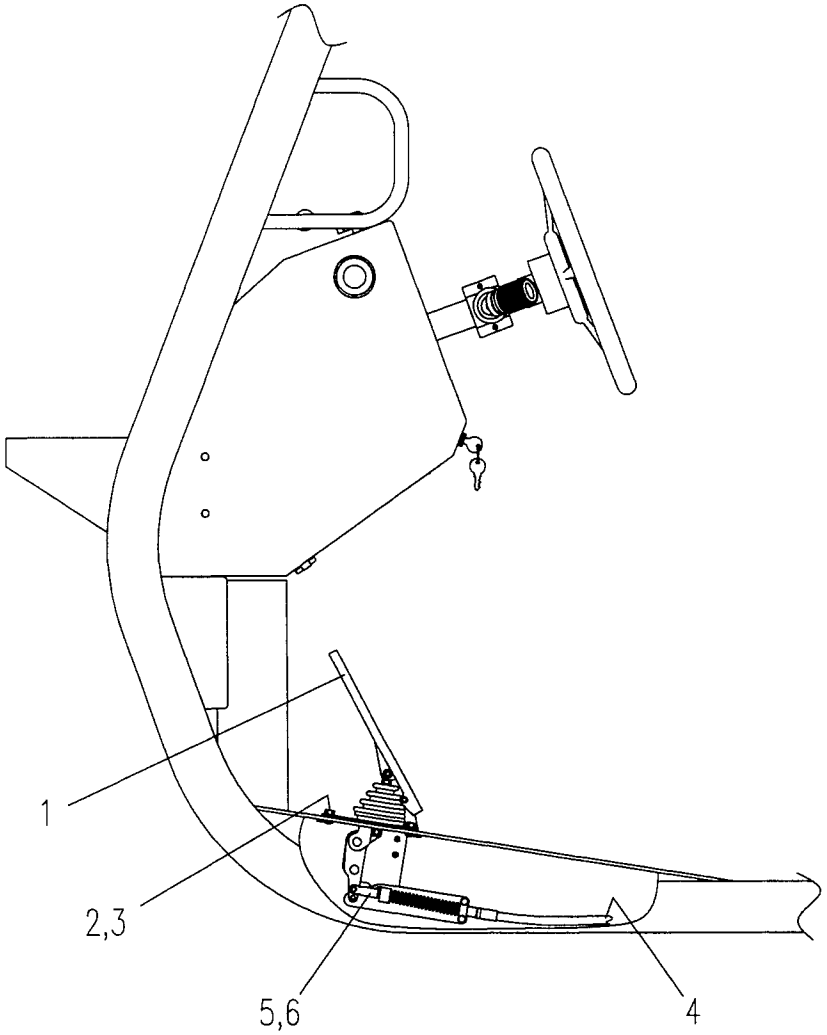
ITEM	NUMBER	DESCRIPTION	REQD
1	7-198-48	BRAKE PEDAL / HANGING	REF
2	6-5206-10	CAPSCREW 3/8 NC x 1 1/4 LG.	3
3	6-6211-06	LOCKWASHER 3/8	3
4	6-6201-06	HEX NUT 3/8 NC	3
5	7-198-49	SEAL KIT (FOR ITEM 1)	REF

https://truckmanualshub.com/



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

https://truckmanualshub.com/

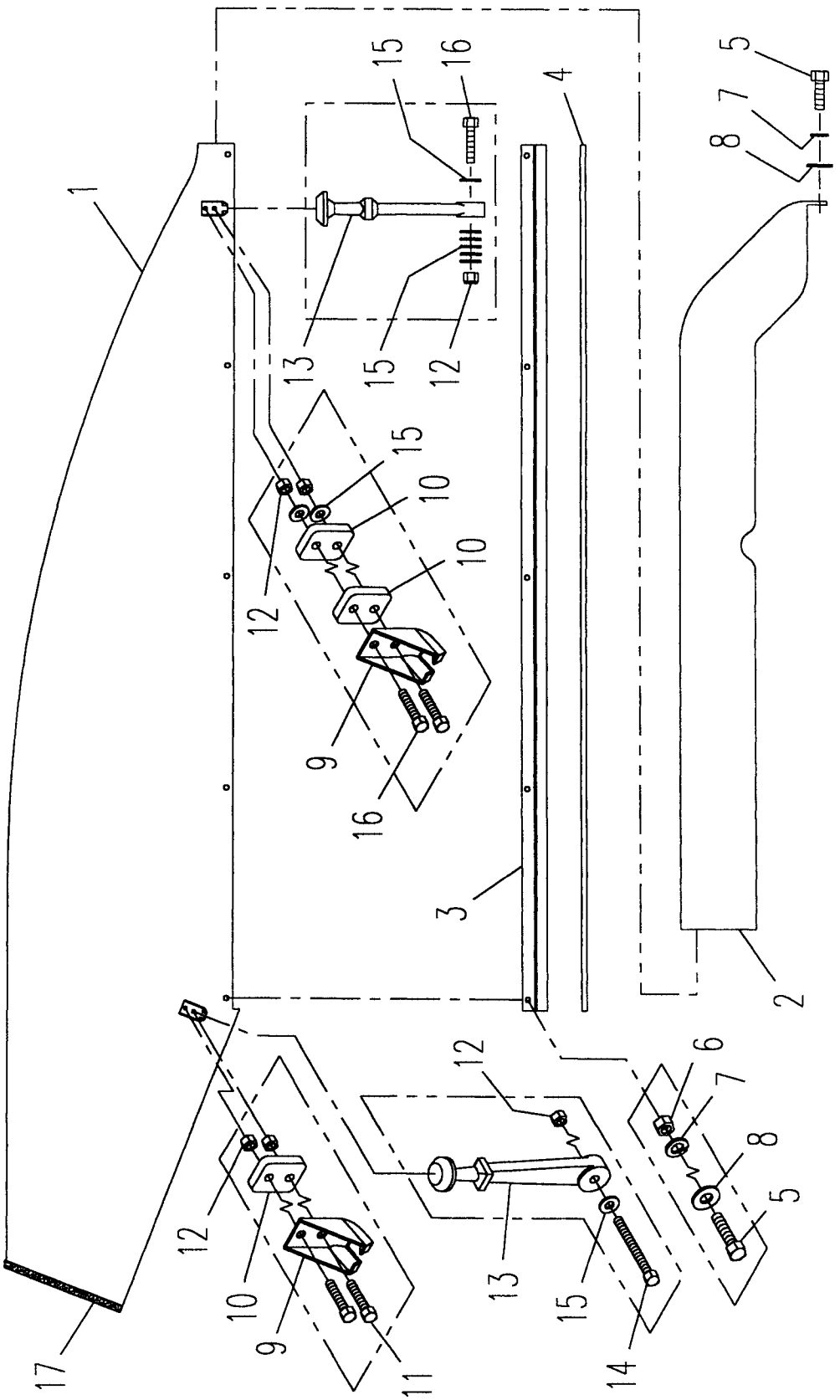


ITEM	NUMBER	DESCRIPTION	REQD
1	7-120-11	PEDAL / ACCELERATOR	1
2	6-5204-04	CAPSCREW 1/4 NC x 1/2 LG.	3
3	6-6211-04	LOCKWASHER 1/4	3
4	7-266-02	CABLE / ACCELERATOR	1
5	7-194-05	YOKE w/ CLEVIS PIN & COTTER PIN	1
6	6-6208-04	JAM NUT 1/4-28 (w/ CABLE)	REF

https://truckmanualshub.com/

NOTES

https://truckmanualshub.com/

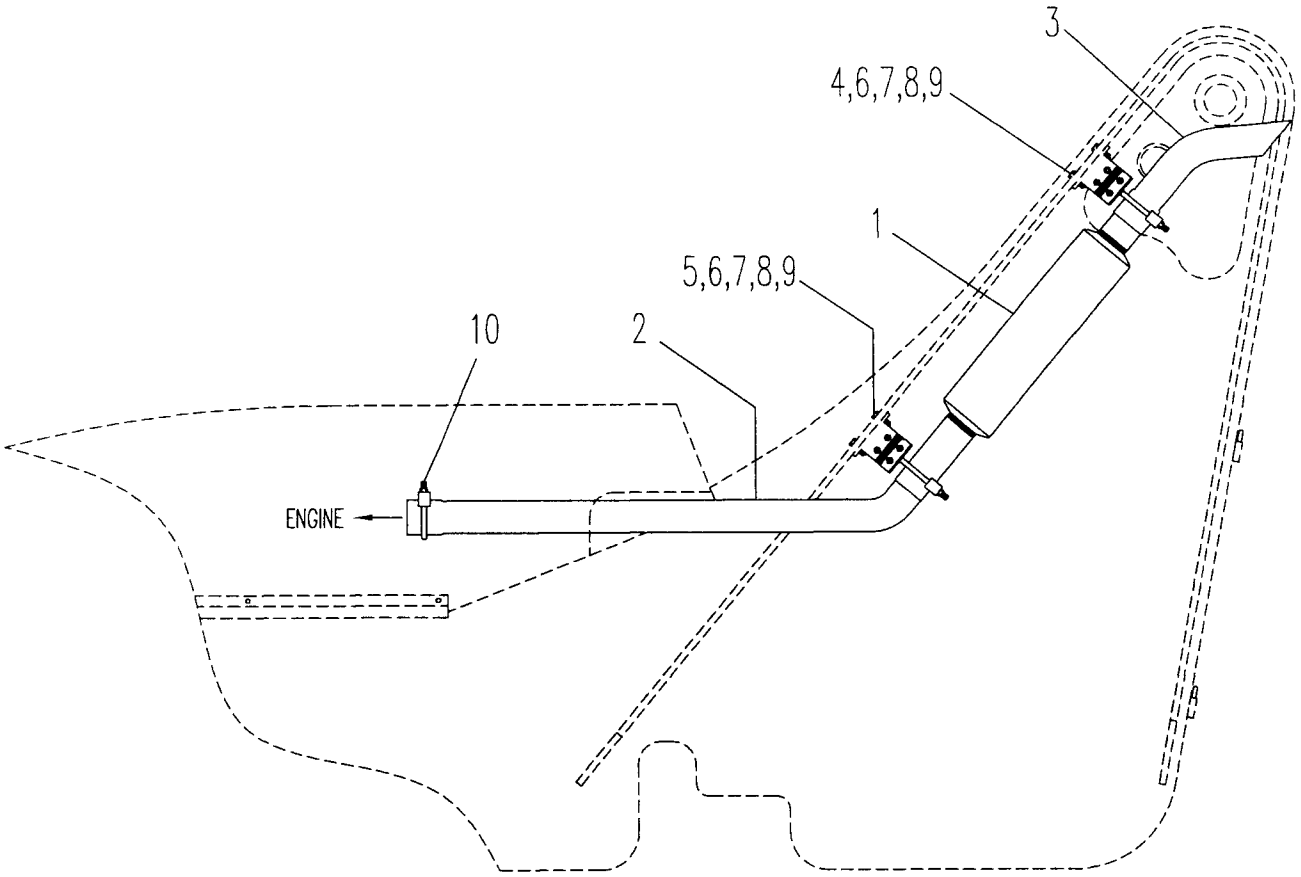


13 PAGE NUMBER	ENGINE ENCLOSURE ASSEMBLY TH528C	DRAWING NUMBER	P1-1363

https://truckmanualshub.com/

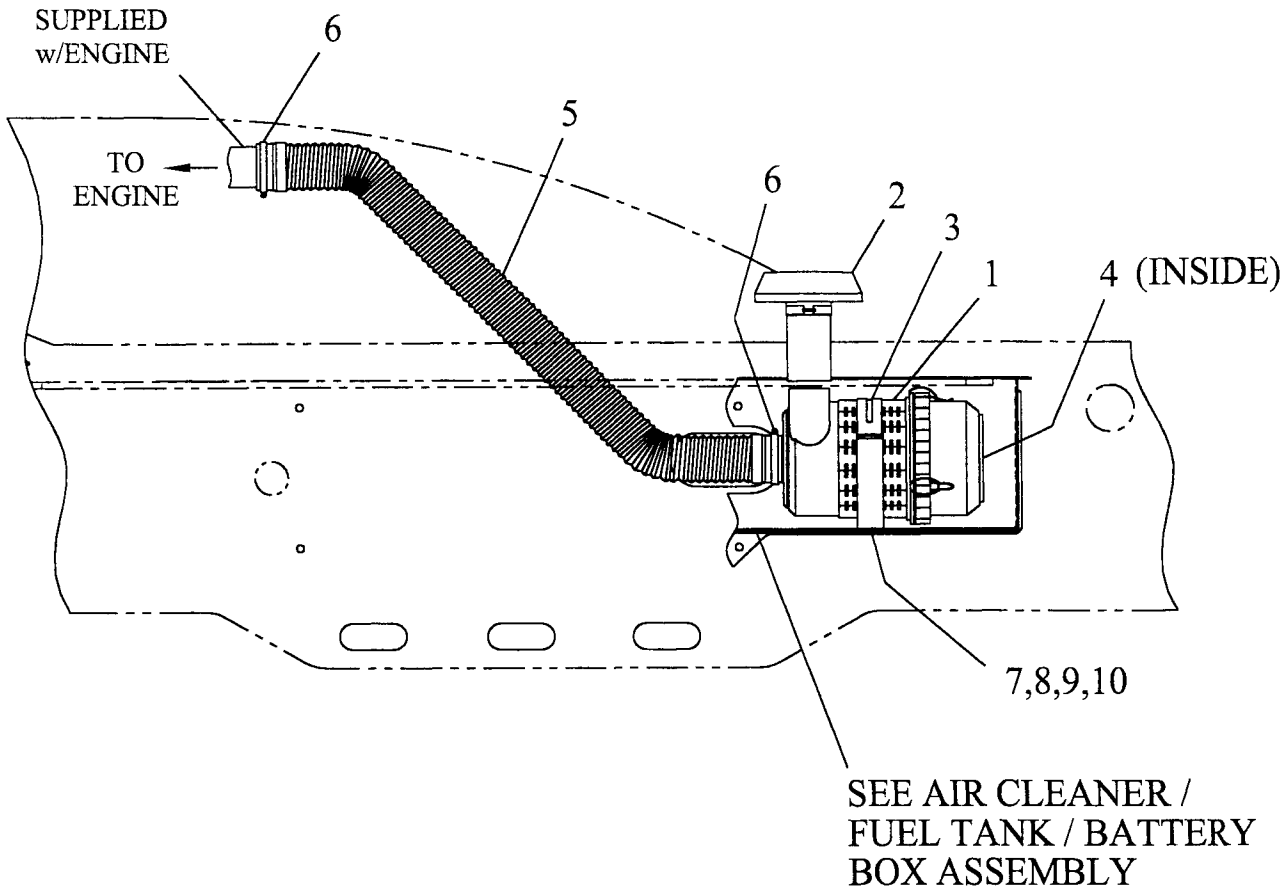
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2194	ENGINE ENCLOSURE / REAR	1
2	4-1827	ENGINE ENCLOSURE / FRONT	1
3	2-1194	SLIDE / REAR HOUSING	2
4	7-194-59	WEAR STRIP	2
5	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	13
6	6-6201-05	HEX NUT 5/16 NC	10
7	6-6211-05	LOCKWASHER 5/16	13
8	6-6212-05	FLATWASHER 5/16	13
9	7-360-01	PLASTIC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

https://truckmanualshub.com/



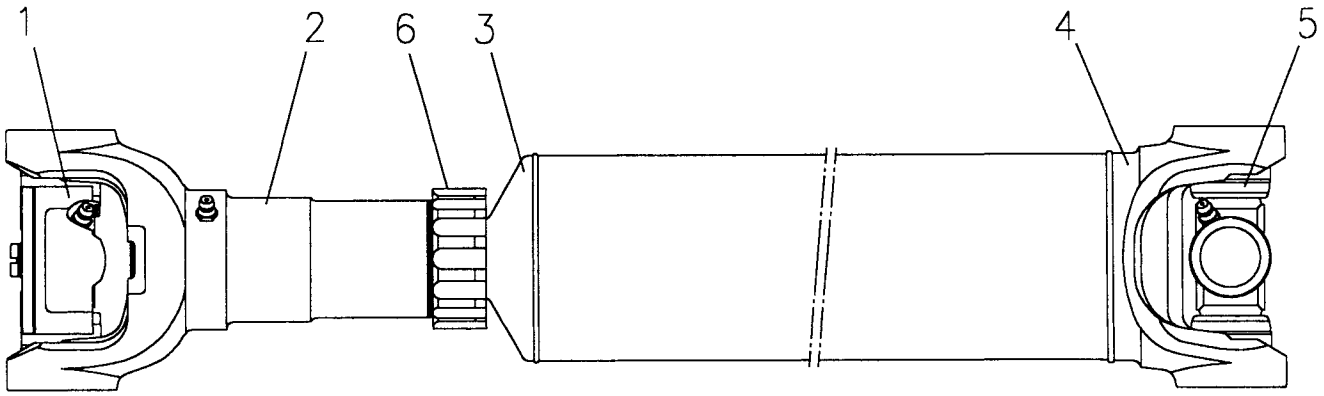
ITEM	NUMBER	DESCRIPTION	REQD
1	7-204-11	MUFFLER	1
2	4-2288	EXHAUST PIPE	1
3	2-1243	TAILPIPE	1
4	3-1447	EXHAUST BRACKET ASSY / 2 3/4 IN.	1
5	3-1432	EXHAUST BRACKET ASSY / 2 1/2 IN.	1
6	6-5206-12	CAPSCREW 3/8 NC x 1 1/2 LG.	4
7	6-6212-06	FLATWASHER 3/8	4
8	6-6211-06	LOCKWASHER 3/8	4
9	6-6201-06	HEX NUT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

https://truckmanualshub.com/



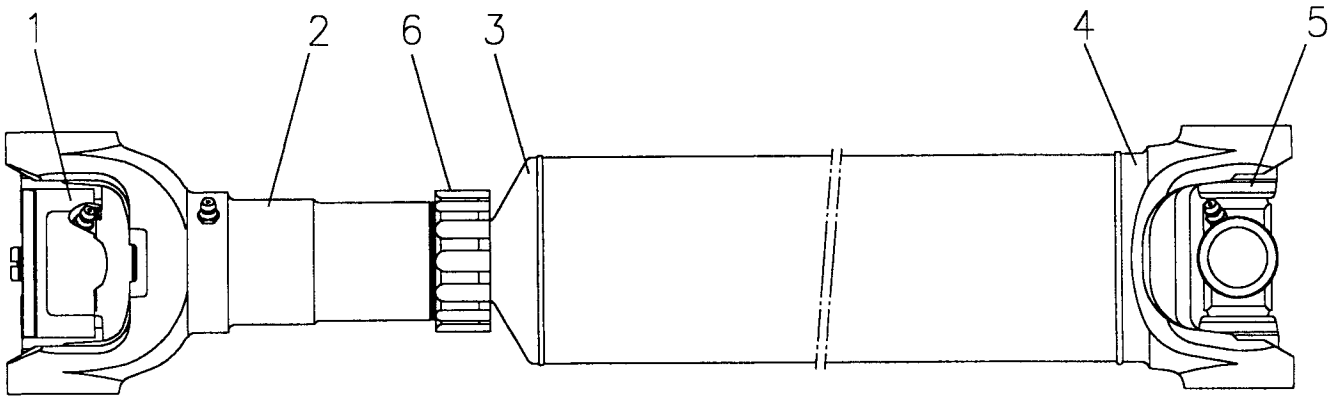
ITEM	NUMBER	DESCRIPTION	REQD
1	7-109-01	AIR CLEANER ASSEMBLY	1
2	7-109-02	HOOD / AIR CLEANER	1
3	7-109-03	MOUNTING BAND / AIR CLEANER	1
4	7-109-04	FILTER / PRIMARY	REF
5	7-109-06	ACCORDION HOSE / LONG	2
6	6-6252-13	CLAMP / WORM	2
7	6-5205-12	CAPSCREW 5/16 NC x 1 1/2 LG.	2
8	6-6212-05	FLATWASHER 5/16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

https://truckmanualshub.com/



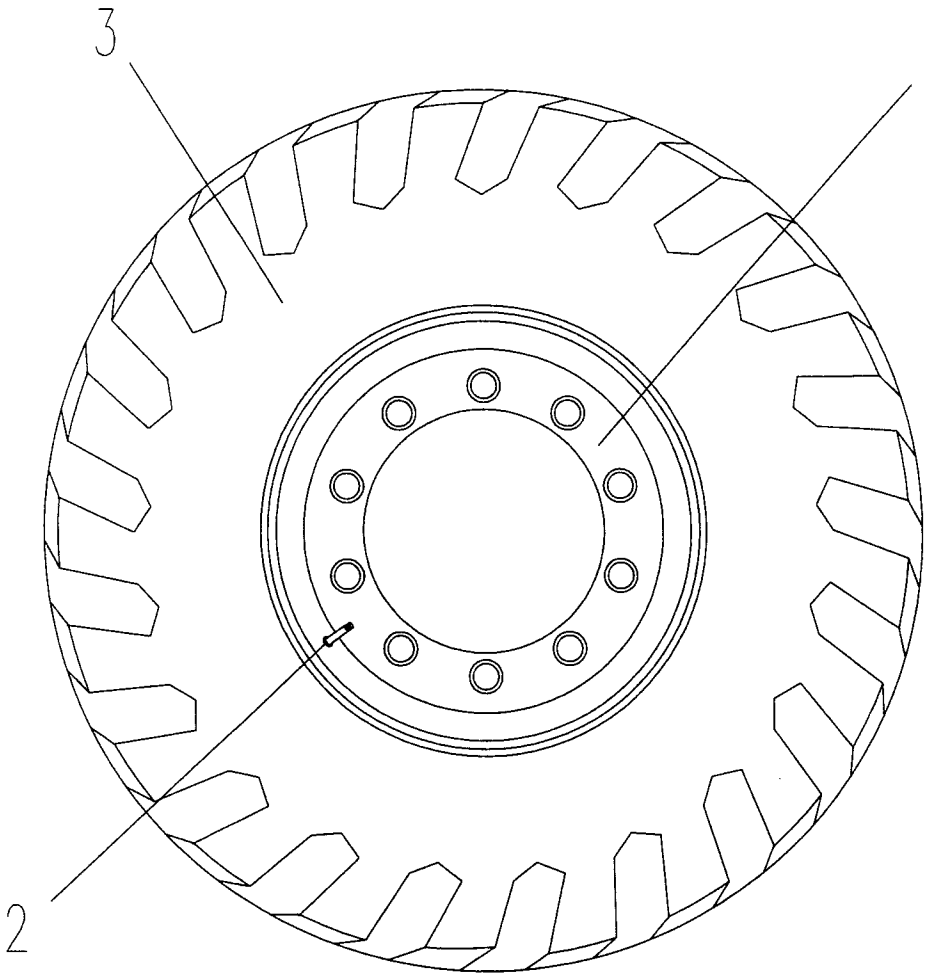
ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-897	CROSS & BEARING ASSEMBLY	1
2	7-229-898	SLIP YOKE	1
3	7-229-899	SLIP STUB	1
4	7-229-900	WELD YOKE	1
5	7-229-901	CROSS & BEARING ASSEMBLY	1
6	7-229-902	DUST CAP & SEAL KIT	1
7	7-229-892	DRIVESHAFT ASSY (INCL. ITEMS 1-6)	REF

https://truckmanualshub.com/



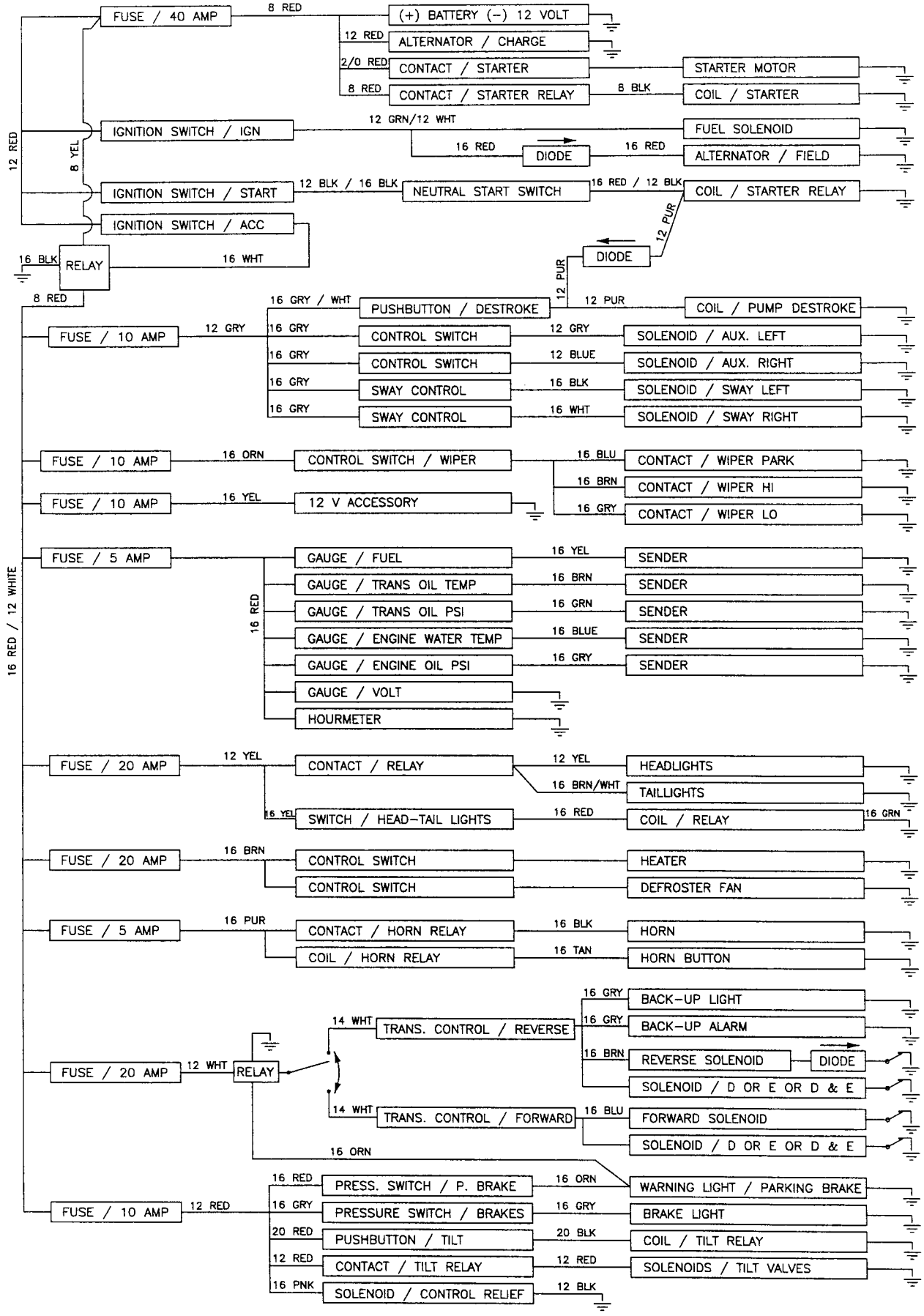
ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-897	CROSS & BEARING ASSEMBLY	1
2	7-229-898	SLIP YOKE	1
3	7-229-899	SLIP STUB	1
4	7-229-900	WELD YOKE	1
5	7-229-901	CROSS & BEARING ASSEMBLY	1
6	7-229-902	DUST CAP & SEAL KIT	1
7	7-229-894	DRIVESHAFT ASSY (INCL. ITEMS 1-6)	REF

https://truckmanualshub.com/



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

https://truckmanualshub.com/

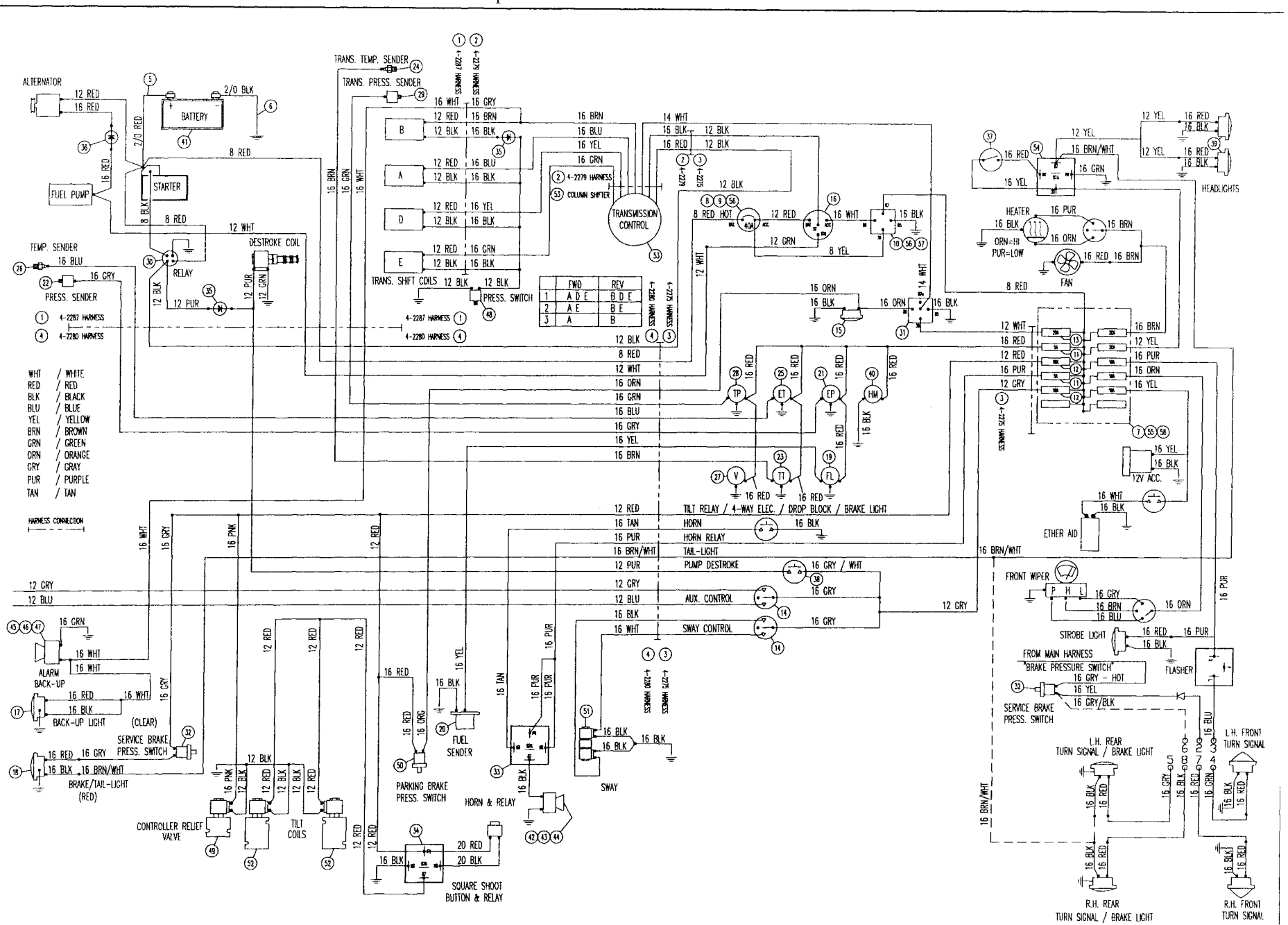


DRAWING NUMBER P1-1632	ELECTRIC SCHEMATIC TH528C	PAGE NUMBER 19

https://truckmanualshub.com/

WIRING DIAGRAM TH528C

DRAWING NUMBER P1-1633



https://truckmanualshub.com/

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

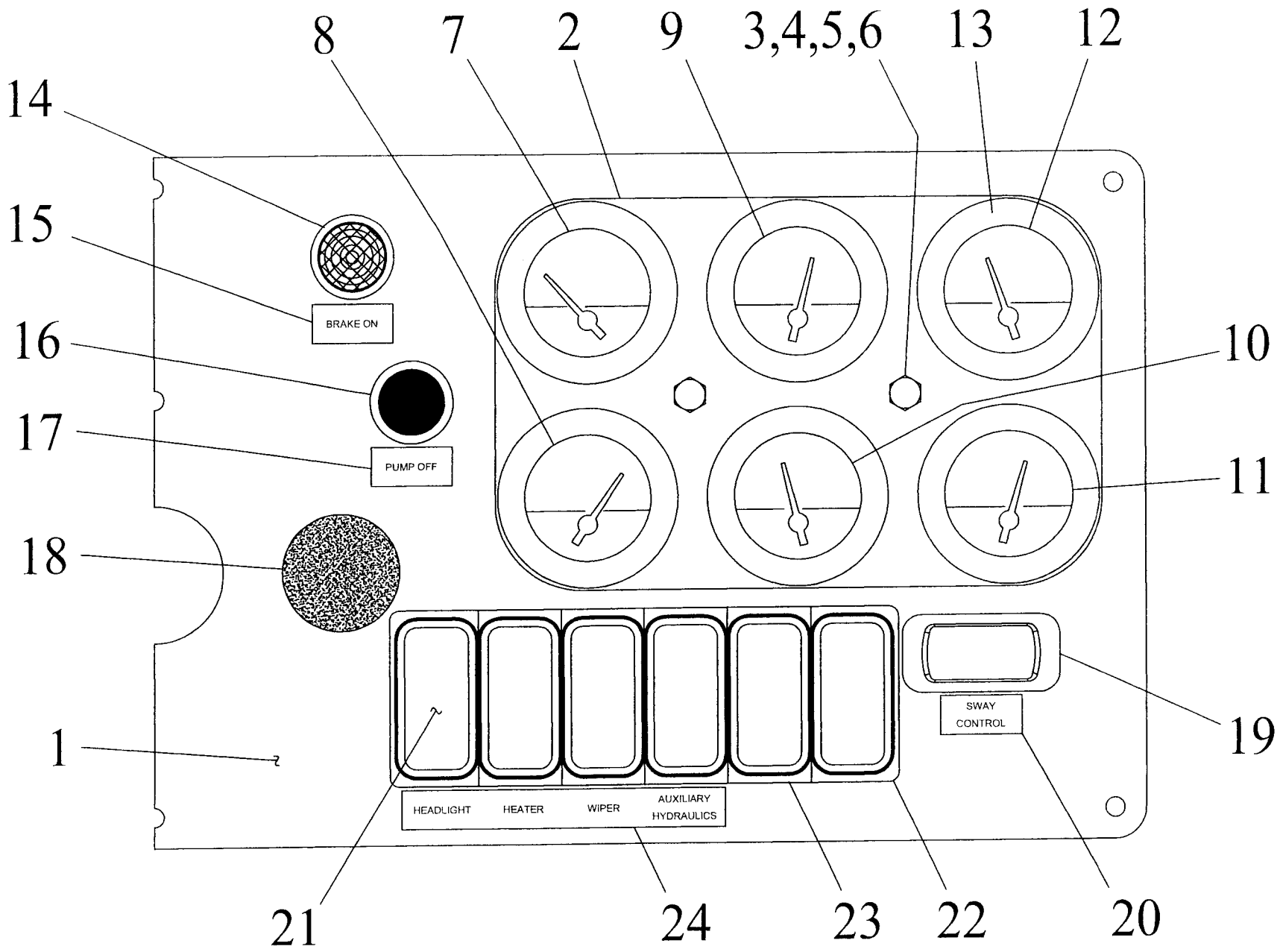
https://truckmanualshub.com/

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

https://truckmanualshub.com/

NOTES

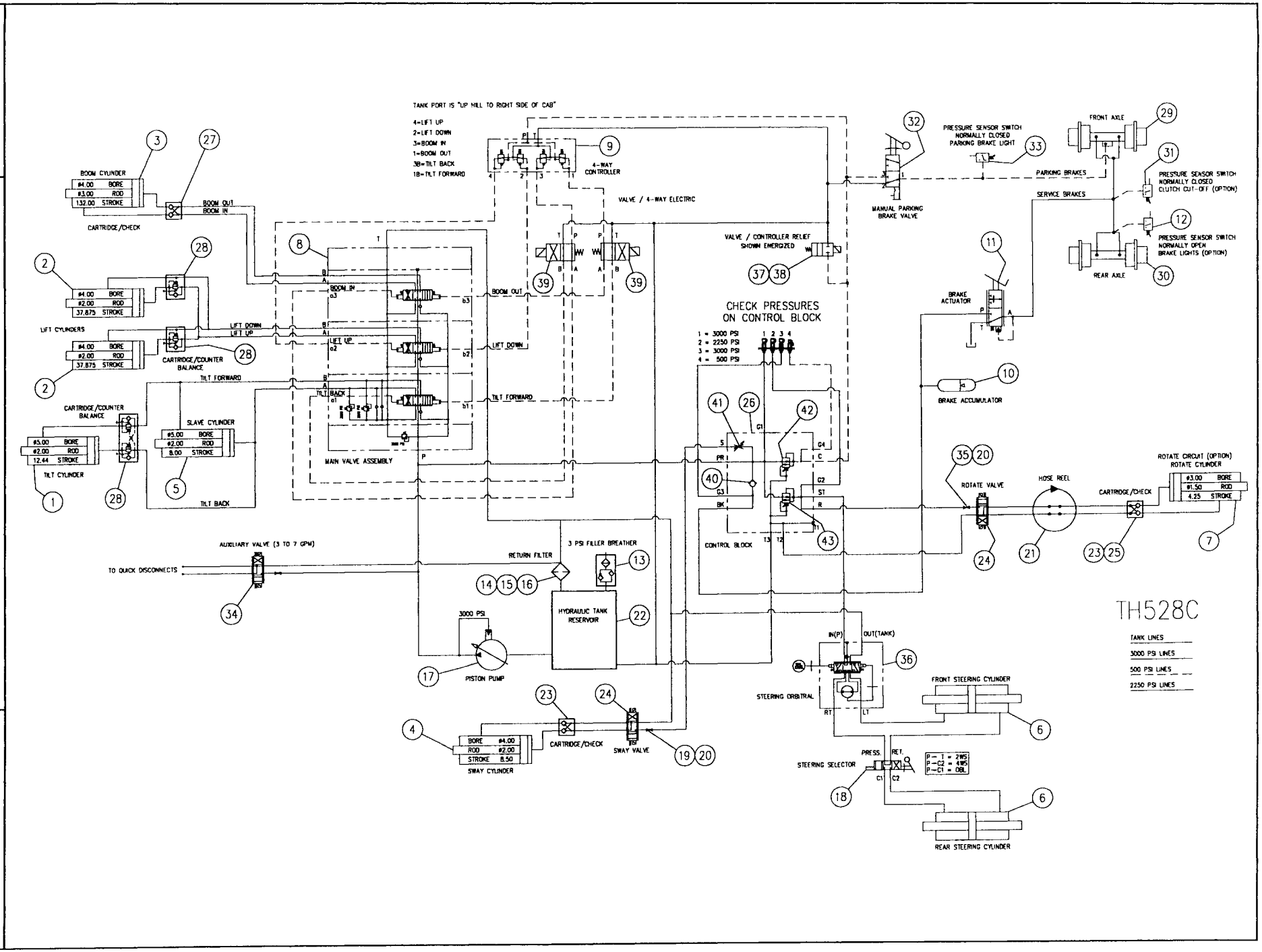
https://truckmanualshub.com/



https://truckmanualshub.com/

ITEM	NUMBER	DESCRIPTION	REQD
1	7-114-28	DASH PANEL / RH SIDE	REF
2	2-1062	GAGE COVER	1
3	6-5204-06	CAPSCREW 1/4 NC x 3/4 LG.	2
4	6-6212-04	FLATWASHER 1/4	2
5	6-6211-04	LOCKWASHER 1/4	2
6	6-6201-04	HEX NUT 1/4 NC	2
7	7-172-02	GAGE / FUEL	1
8	7-172-04	GAGE / ENGINE OIL PRESSURE	1
9	7-172-06	GAGE / TRANS. OIL TEMP.	1
10	7-172-08	GAGE / ENGINE WATER TEMP.	1
11	7-172-10	GAGE / VOLTMETER	1
12	7-172-11	GAGE / TRANS. OIL PRESSURE	1
13	1-2006	SEAL RING / GAGE	6
14	7-127-05	LIGHT / WARNING	1
15	2-1271-1	DECAL / BRAKE ON	REF
16	7-319-03	SWITCH / PUSHBUTTON	1
17	2-1270-1	DECAL / PUMP OFF	REF
18	7-144-11	HOLE PLUG / 1 3/8 DIA. / TURN SIGNAL	1
19	7-164-04	SWITCH / SWAY	1
20	2-1269-1	DECAL / SWAY CONTROL	REF
21	7-164-05	PANEL PLUG	6
22	7-164-06	END BEZEL	2
23	7-164-07	CENTER BEZEL	4
24	2-1268-1	DECAL / DASH GANG SWITCHES	REF

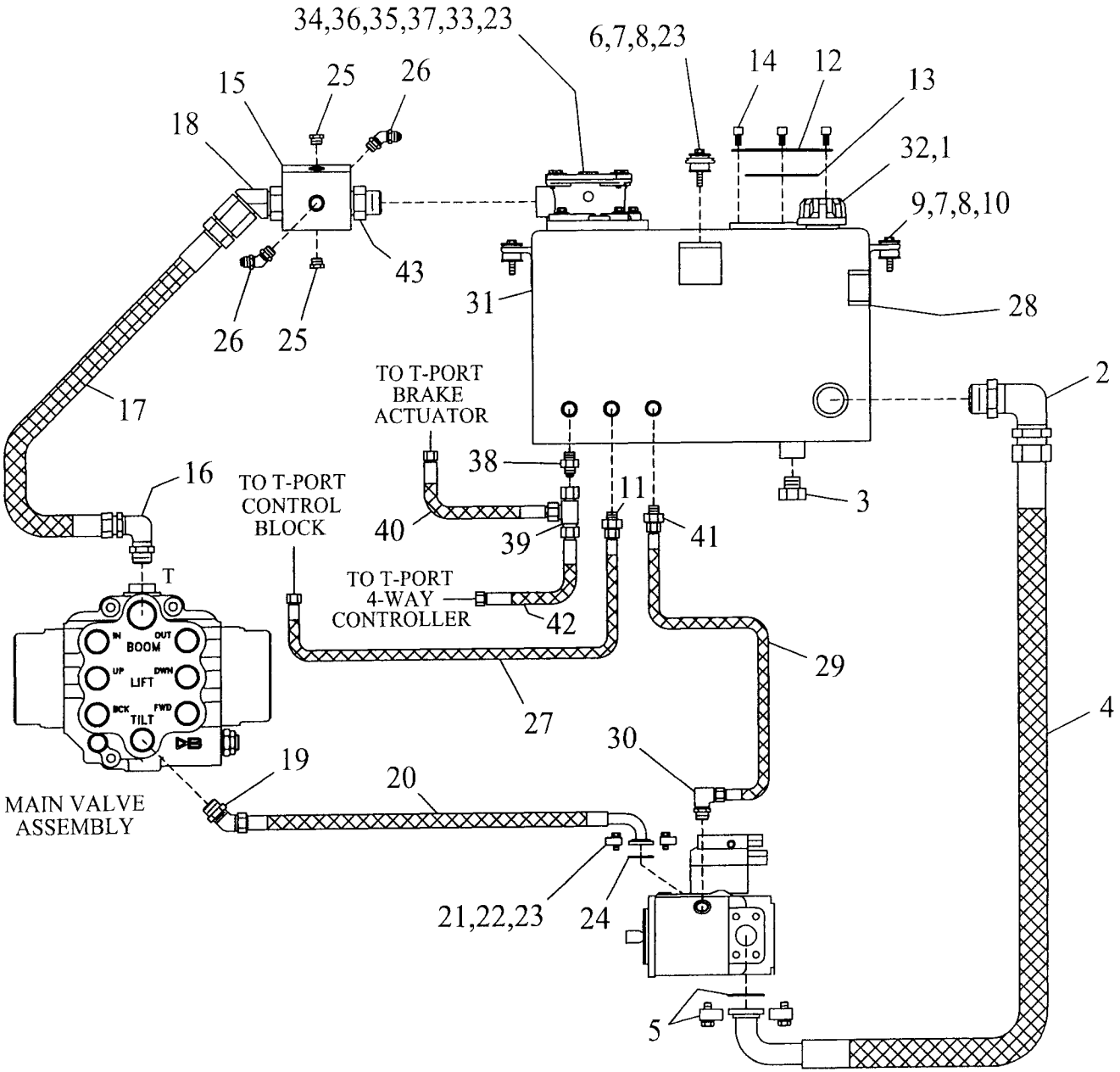
https://truckmanualshub.com/



https://truckmanualshub.com/

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

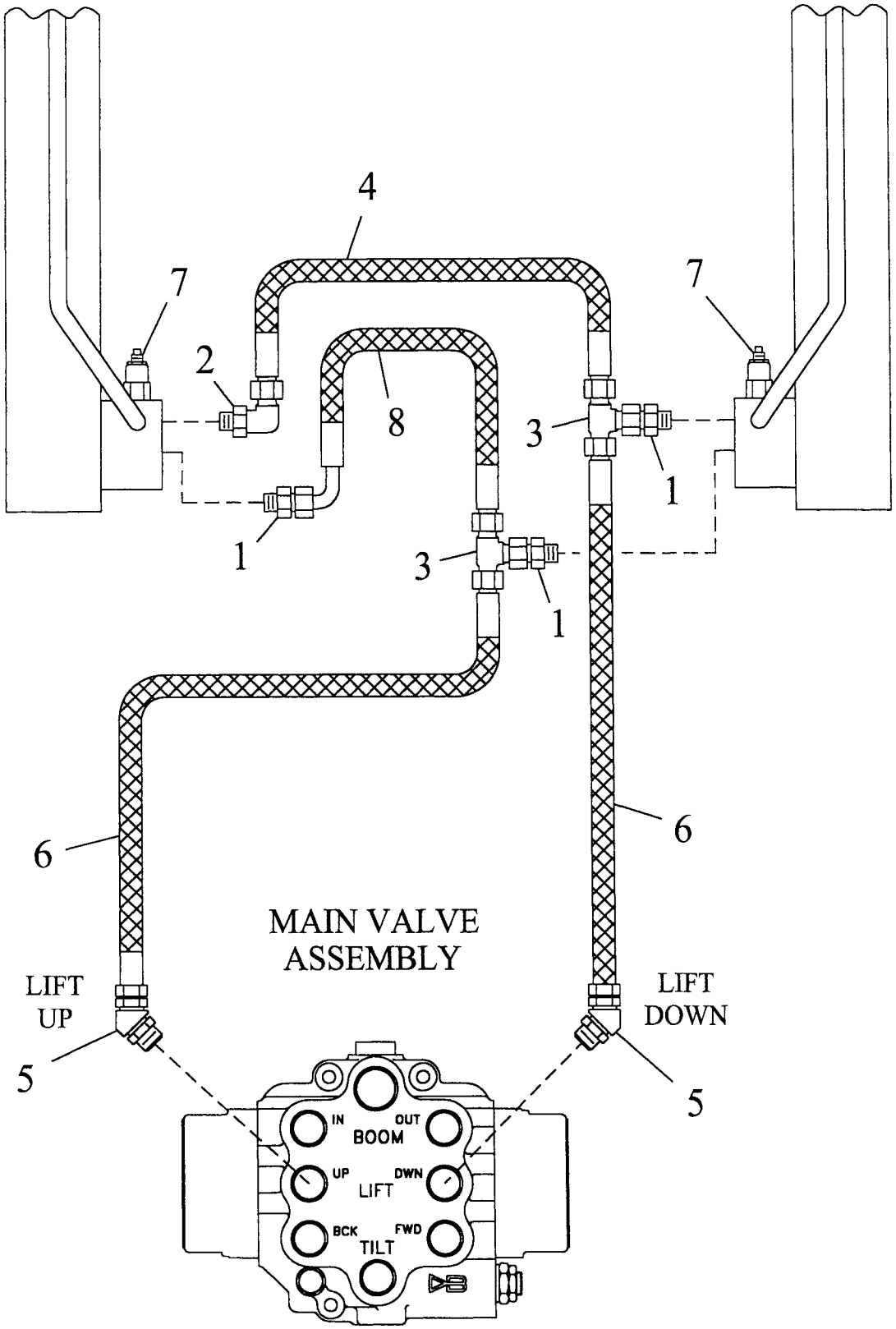
https://truckmanualshub.com/



https://truckmanualshub.com/

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

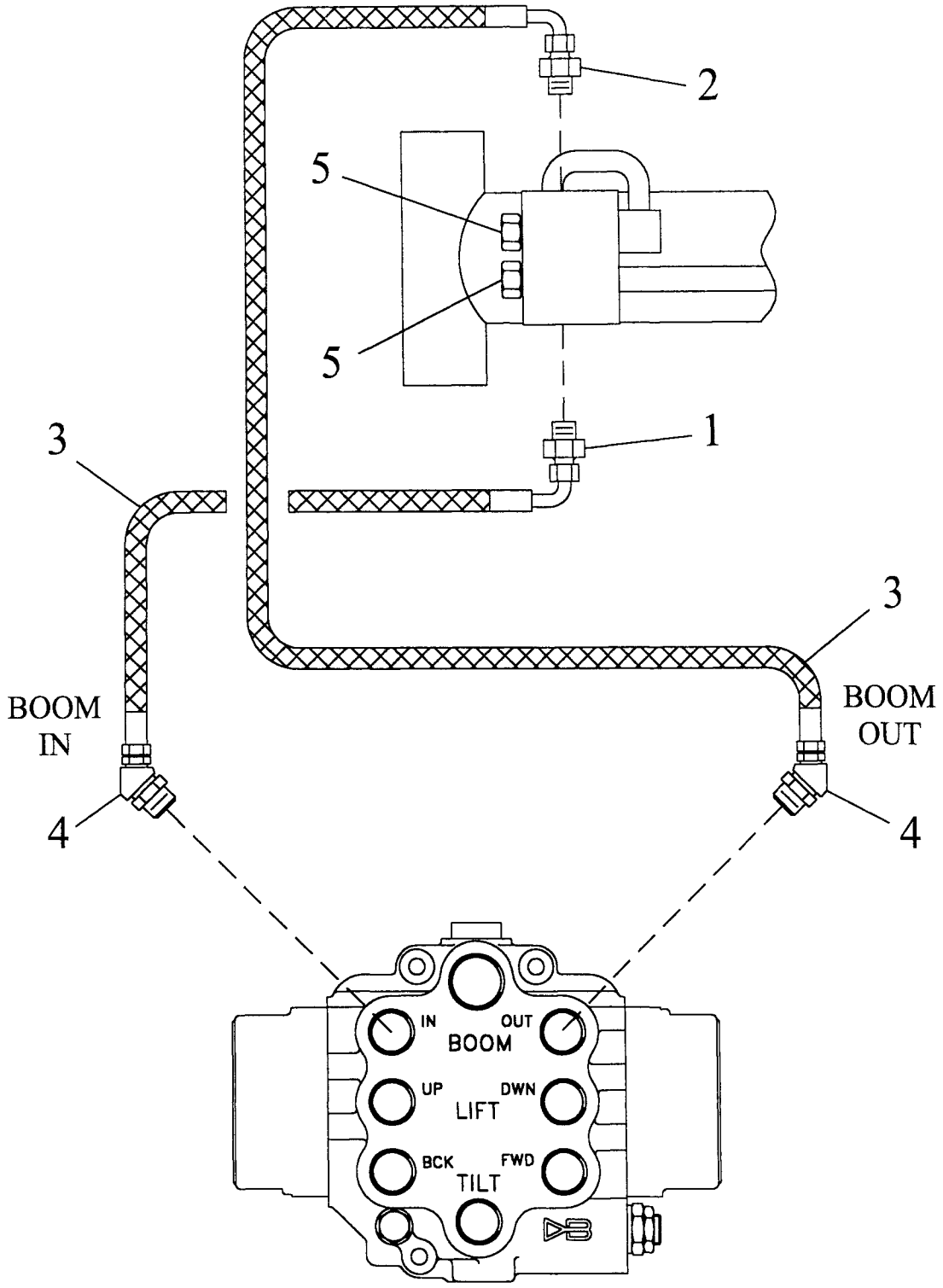
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

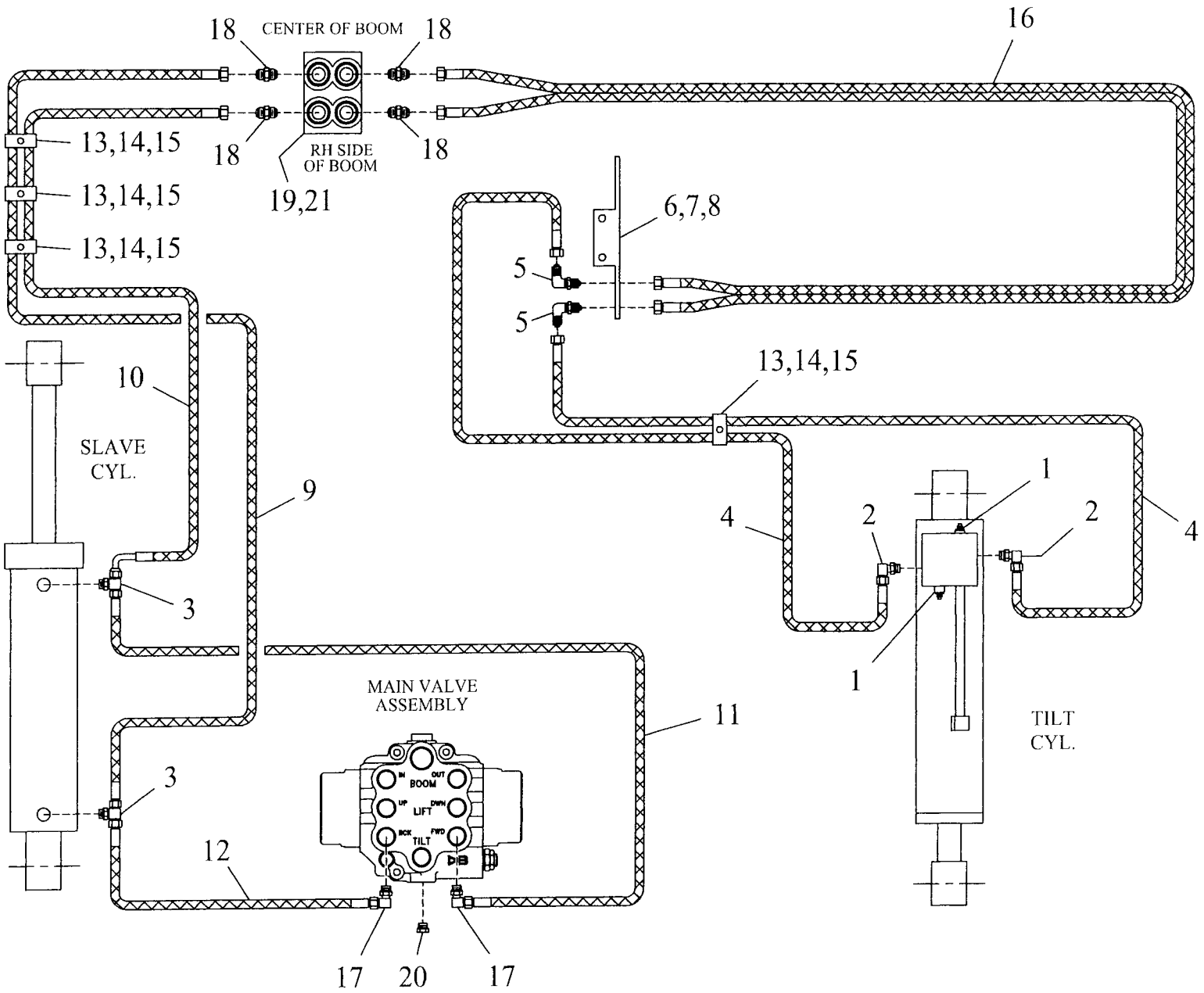


MAIN VALVE ASSEMBLY

https://truckmanualshub.com/

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

https://truckmanualshub.com/

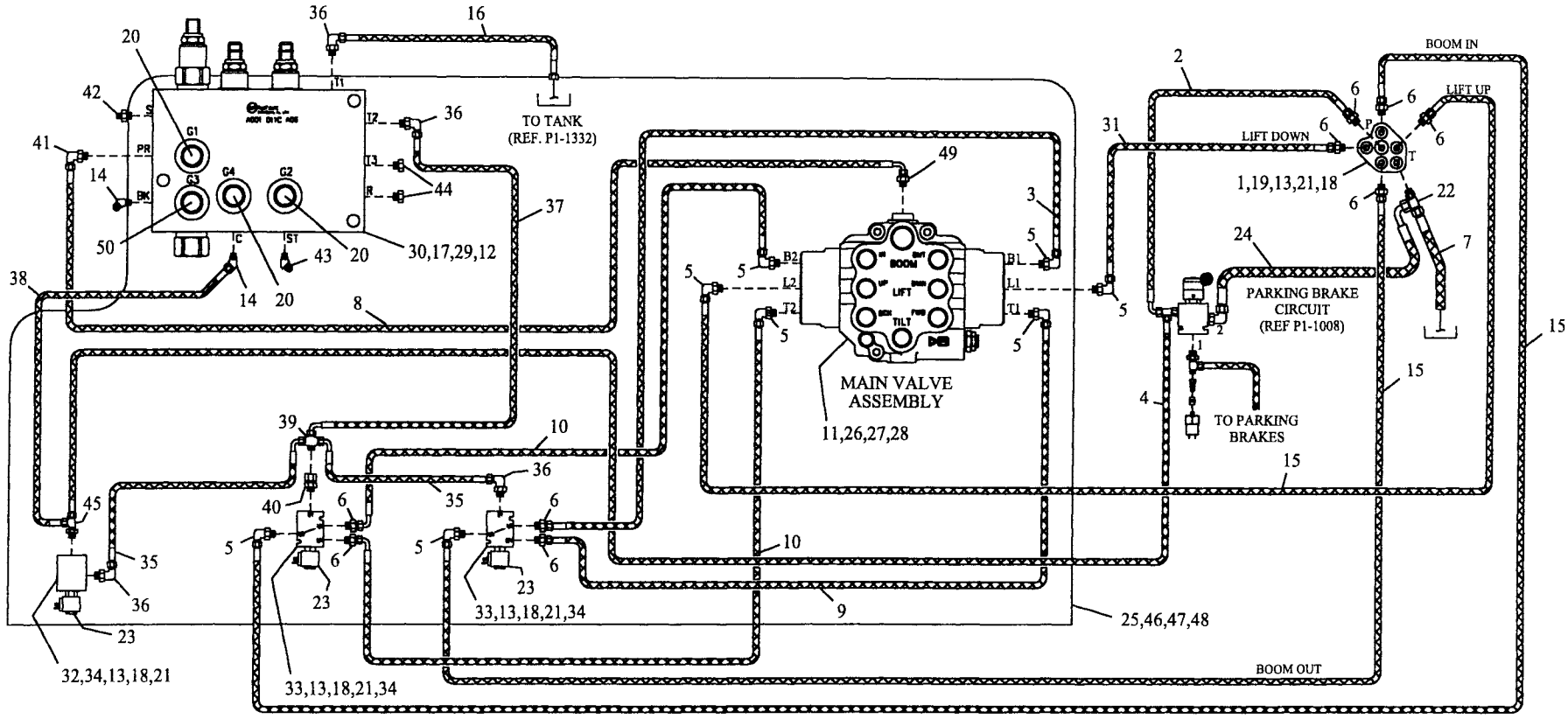


https://truckmanualshub.com/

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

https://truckmanualshub.com/

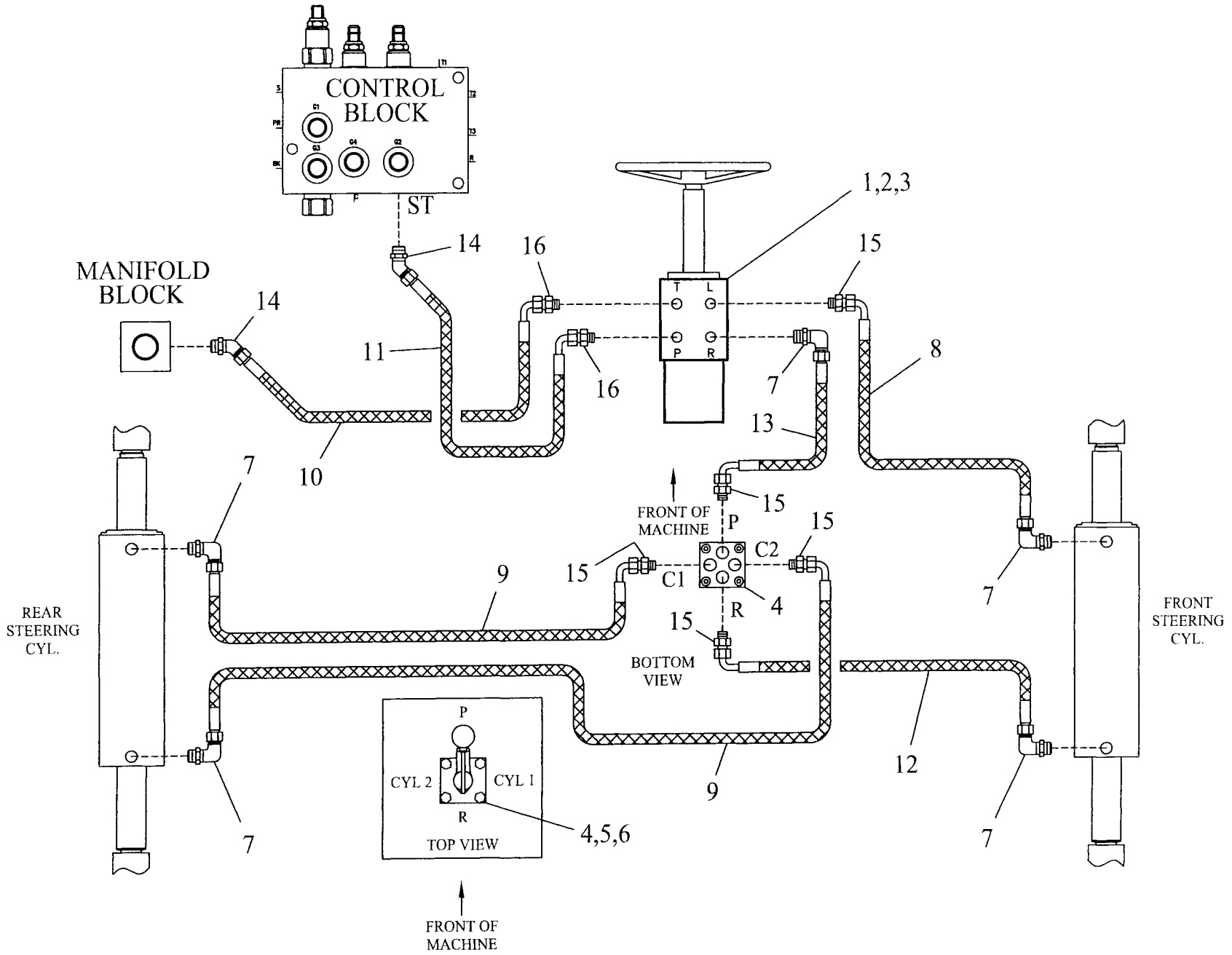
CIRCUIT / 4-WAY CONTROLLER
TH528C



https://truckmanualshub.com/

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

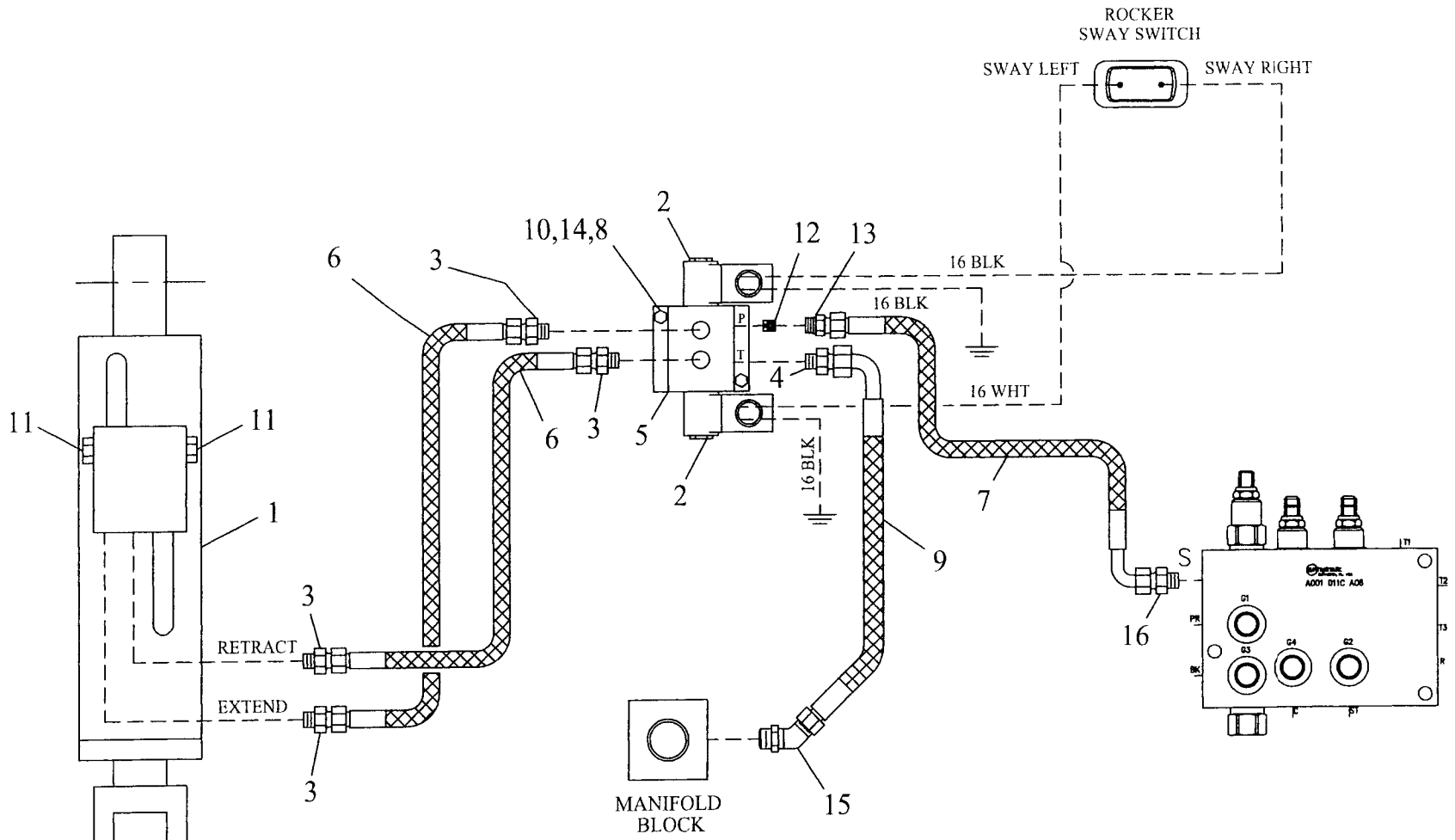
https://truckmanualshub.com/



https://truckmanualshub.com/

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

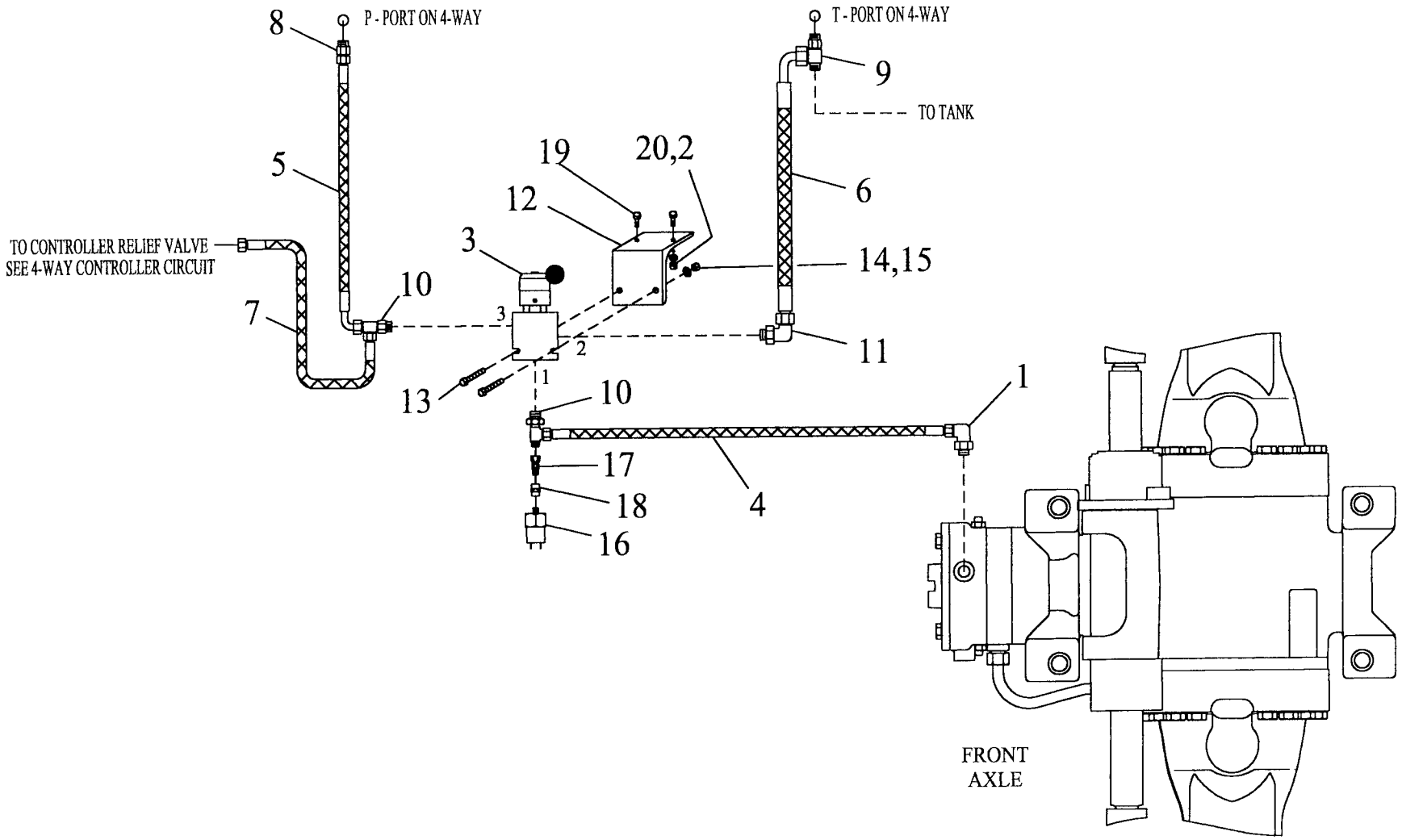
https://truckmanualshub.com/



https://truckmanualshub.com/

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

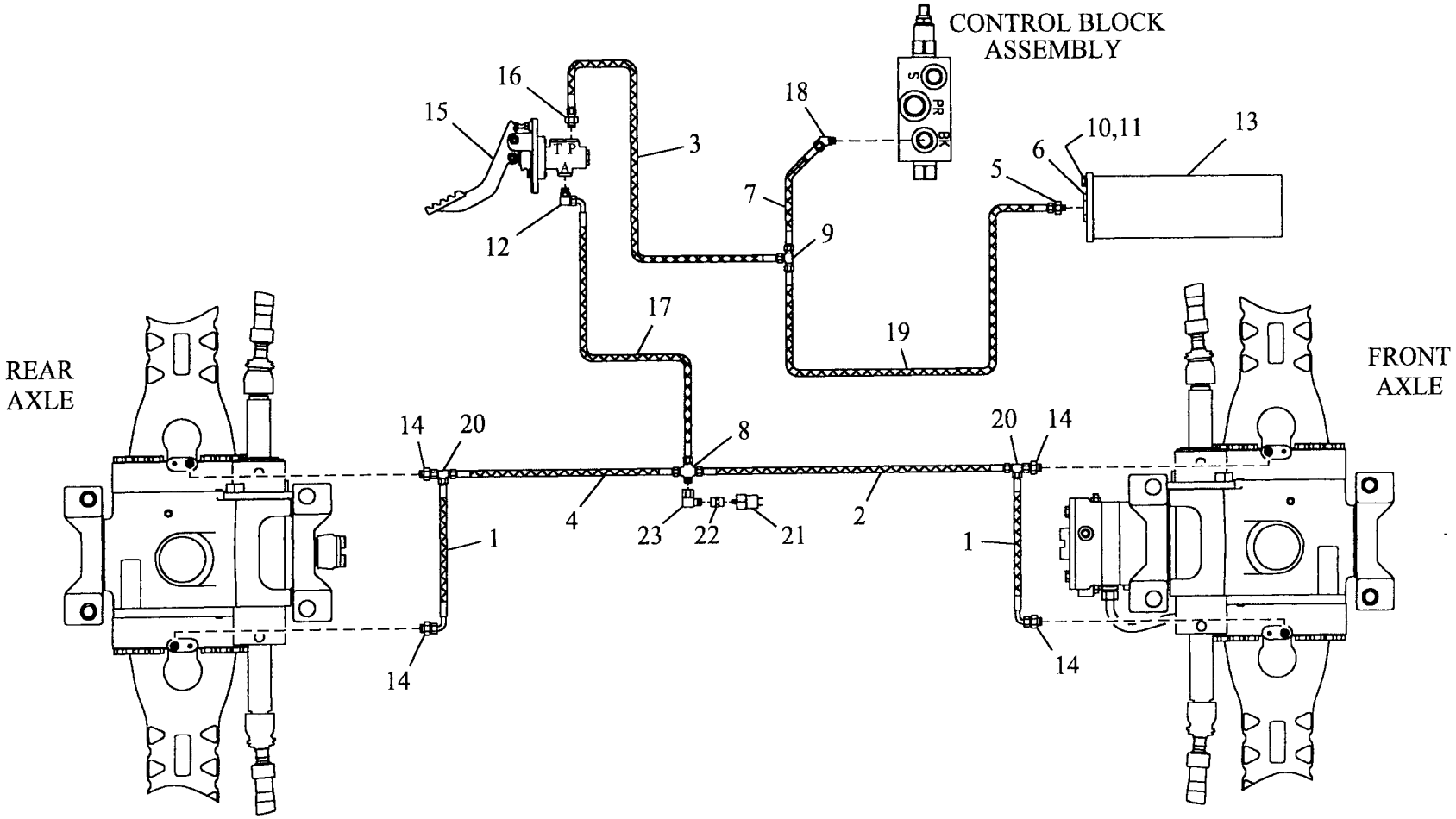
https://truckmanualshub.com/



https://truckmanualshub.com/

ITEM	NUMBER	DESCRIPTION	REQD
1	7-371-05	FITTING / 14mm x 06 JIC 90	1
2	6-6211-05	LOCKWASHER 5/16	2
3	7-358-08	VALVE / PARKING BRAKE	1
4	6-7012-240	HOSE / 06 x 04 x 120 LG.	1
5	6-7022-100	HOSE / 04 x 04-90 x 50 LG.	1
6	6-7023-100	HOSE / 06 x 06-90 x 50 LG.	1
7	6-7002-182	HOSE / 04 x 04 x 91 LG.	1
8	6-6450-05	FITTING / 06 OR x 04 JIC STR.	REF
9	6-6455-05	FITTING / 06 OR x 06 JIC RN. TEE	REF
10	6-6455-15	FITTING / 06 OR x 04 JIC RN. TEE	2
11	6-6453-06	FITTING / 06 OR x 06 JIC 90	1
12	2-1205	MOUNTING BRACKET / BRAKE VALVE	1
13	6-5204-16	CAPSCREW 1/4 NC x 2 LG.	2
14	6-6201-04	HEX NUT 1/4 NC	2
15	6-6211-04	LOCKWASHER 1/4	2
16	7-303-02	PRESSURE SWITCH / PARKING BRAKE	1
17	6-6486-01	FITTING / 02 NPT M. x 04 JIC SW.	1
18	6-6440-02	FITTING / 02 NPT COUPLER	1
19	6-5205-08	CAPSCREW 5/16 NC x 1 LG.	2
20	6-6201-05	HEX NUT 5/16 NC	2

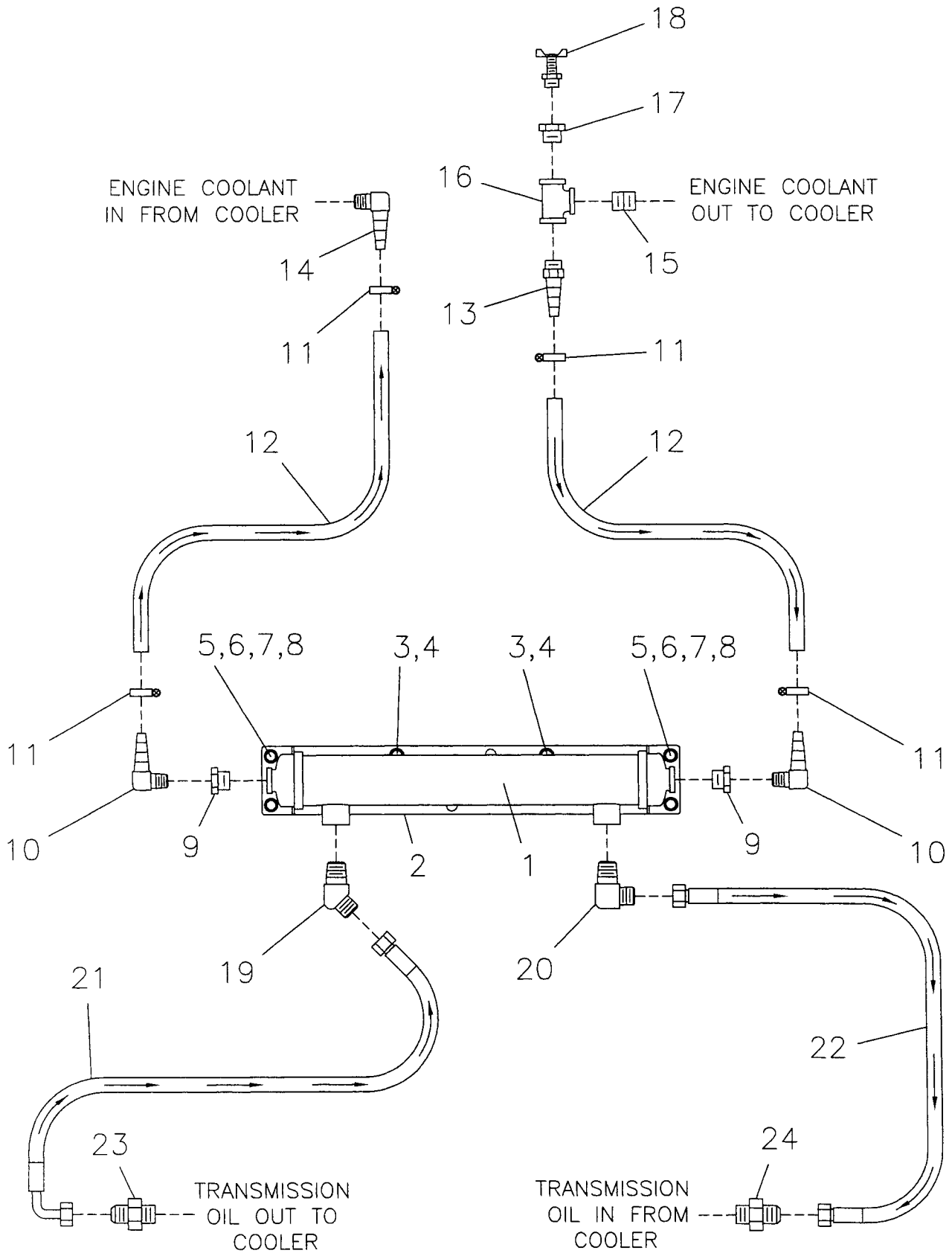
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

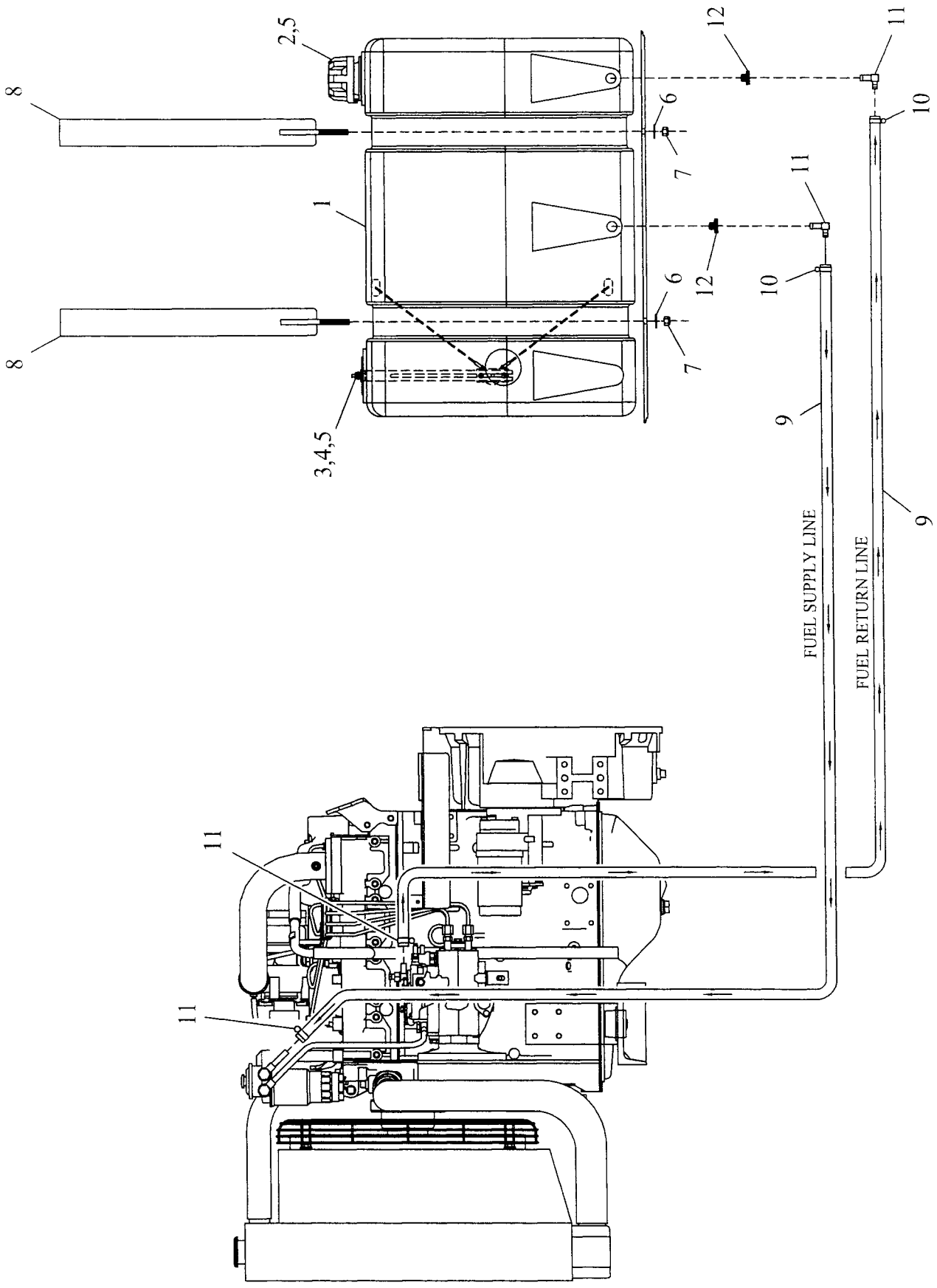


32	PAGE NUMBER	CIRCUIT / OIL COOLER TH528C		DRAWING NUMBER	P1-1652

https://truckmanualshub.com/

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

https://truckmanualshub.com/

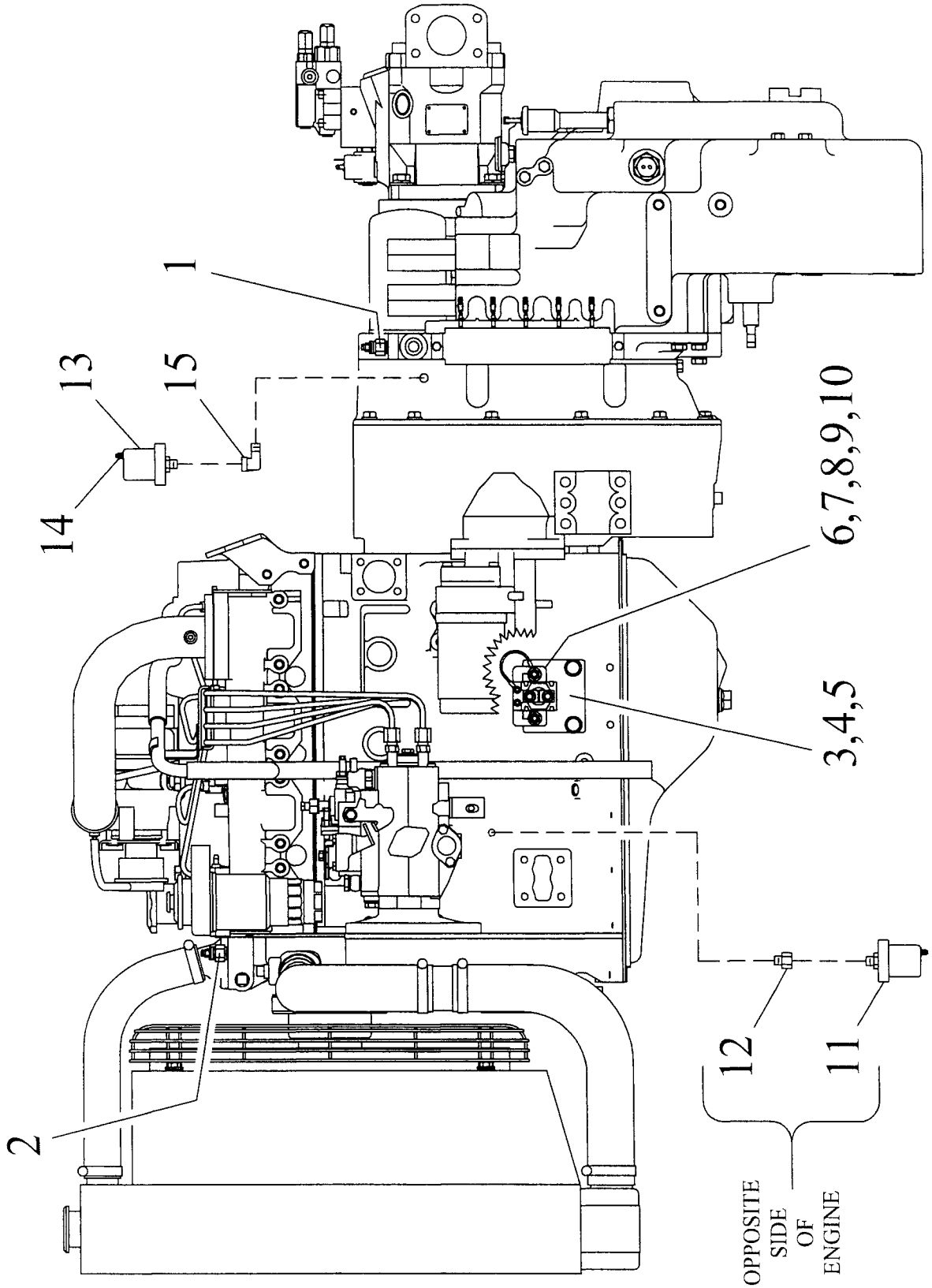


33	PAGE NUMBER	CIRCUIT / FUEL TH528C w/ CUMMINS B3.3 TURBO ENGINE	DRAWING NUMBER	P1-1653

https://truckmanualshub.com/

ITEM	NUMBER	DESCRIPTION	REQD
1	7-373-01	FUEL TANK / PLASTIC	1
2	7-272-09	FILLER CAP / FUEL	1
3	7-172-03	SENDER / FUEL GAUGE	REF
4	7-172-15	GASKET / FUEL SENDER	REF
5	6-6284-13	MACHINE SCREW #10-32 x 1/2 LG.	11
6	6-6212-06	FLATWASHER 3/8	4
7	6-6205-06	SELF LOCKING NUT 3/8 NC	4
8	3-1390	STRAP / FUEL TANK	2
9	6-9605-576	HOSE / FUEL 3/8 x 72 LG.	2
10	6-6252-20	HOSE CLAMP / # 4	4
11	7-121-02	FITTING / 90 / 3/8 HOSE	2
12	7-121-01	RUBBER BUSHING / FUEL TANK	2

https://truckmanualshub.com/

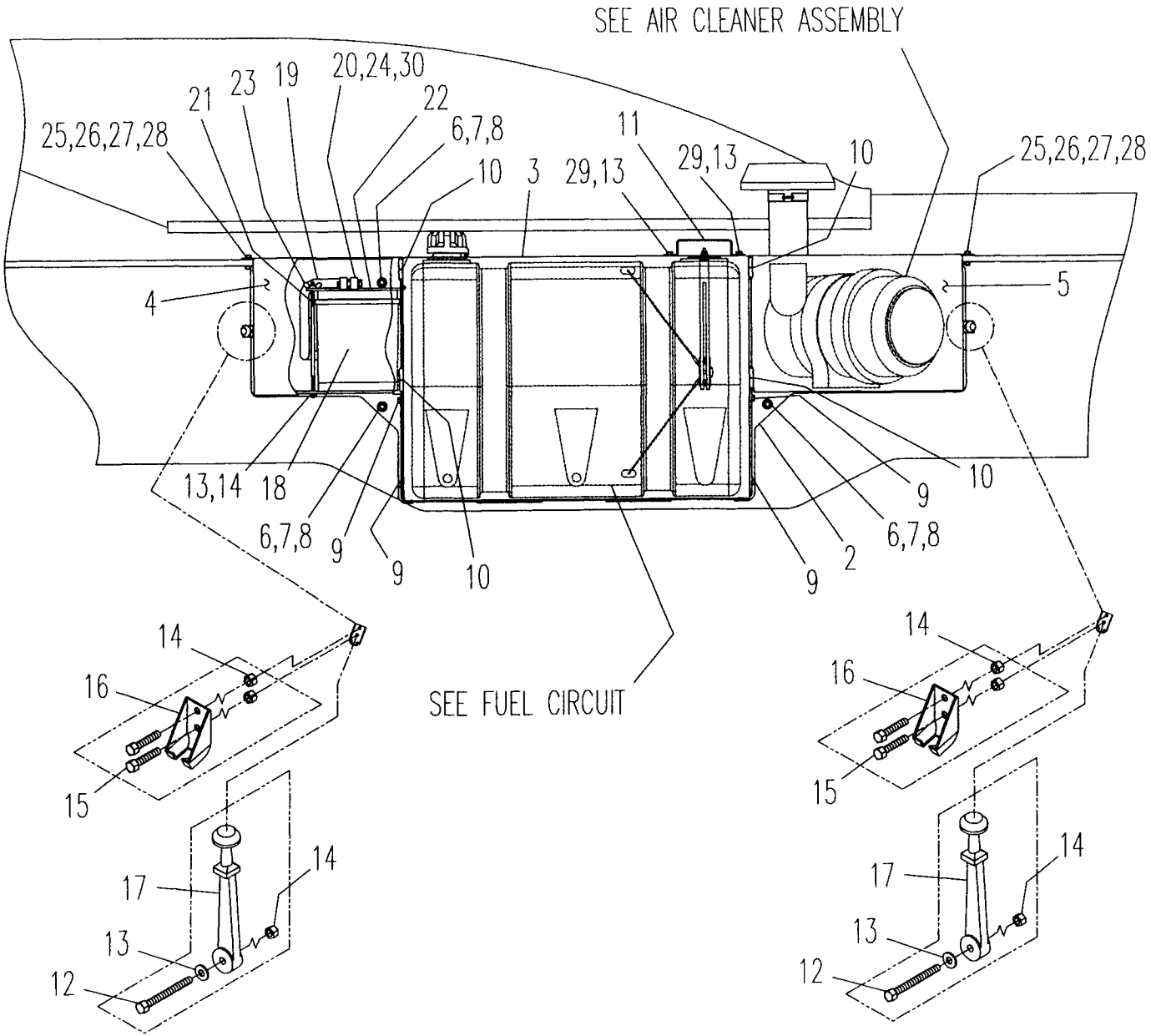


34	PAGE NUMBER	STARTER RELAY / SENDER ASSEMBLY TH528C w/ CUMMINS B3.3 TURBO ENGINE	DRAWING NUMBER	P1-1654

https://truckmanualshub.com/

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

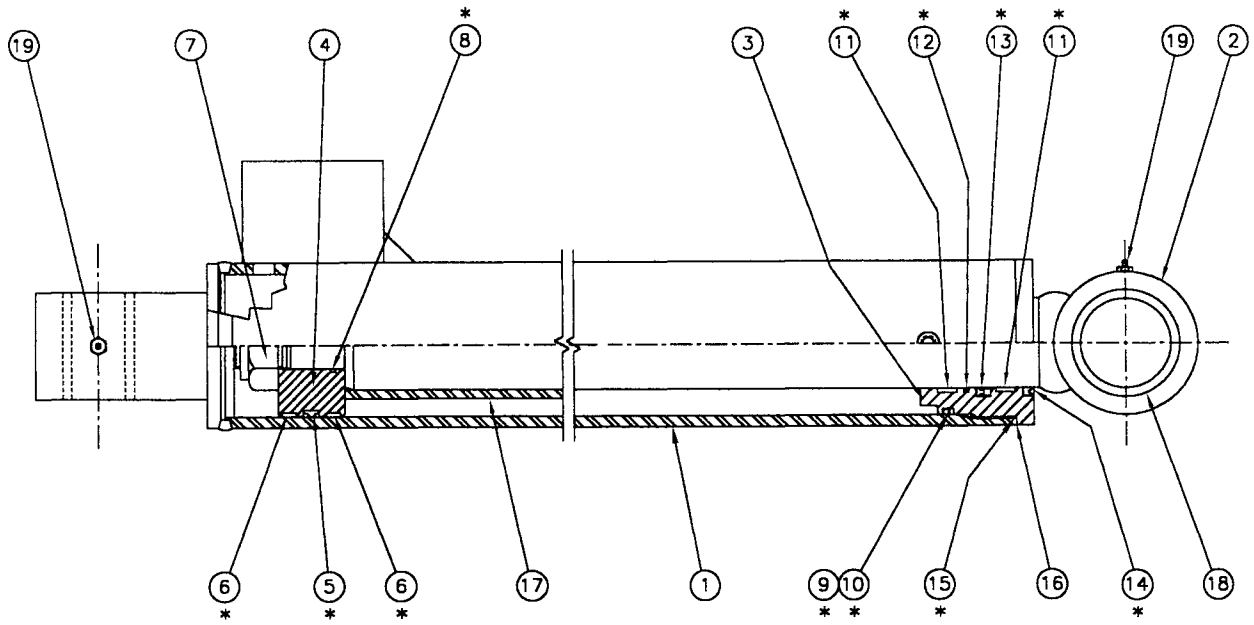
https://truckmanualshub.com/



https://truckmanualshub.com/

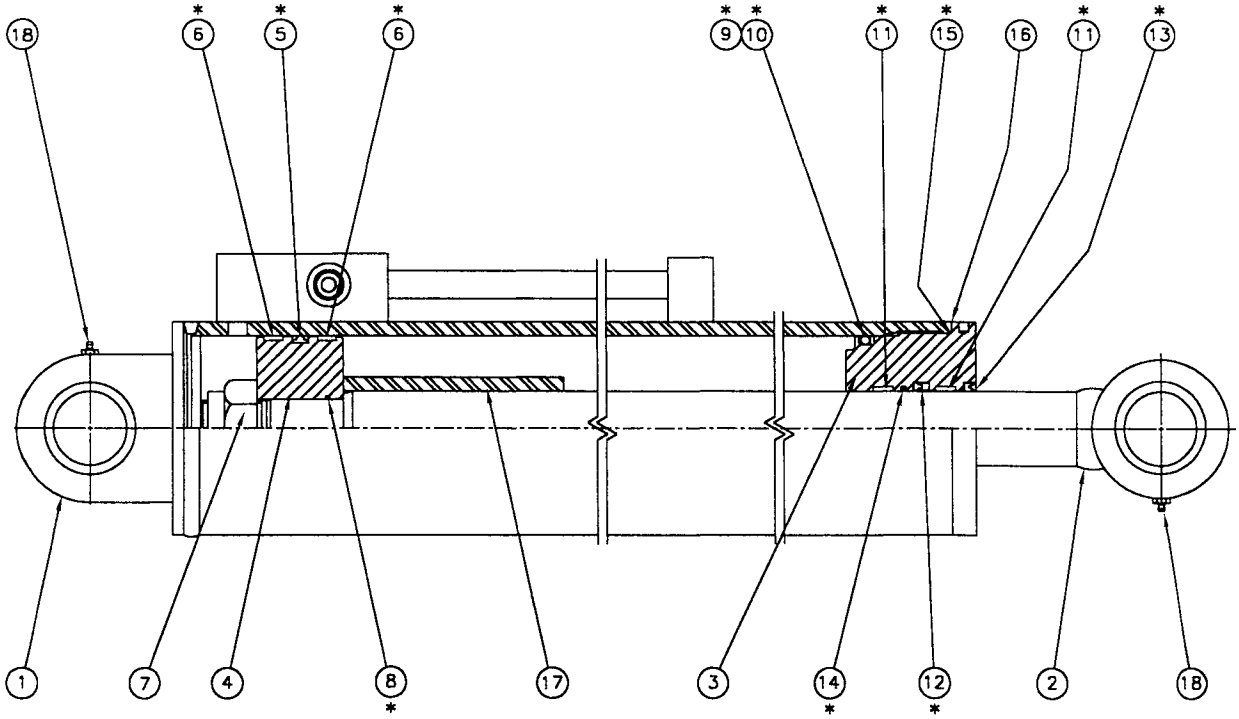
ITEM	NUMBER	DESCRIPTION	REQD
1	4-2189	ENCLOSURE ASSY (ITEMS 2,3,4 & 5)	1
2	4-2189-1	WELDMENT / ENCLOSURE SUPPORT	REF
3	4-2189-9	WELDMENT / FUEL TANK COVER	REF
4	4-2189-10	WELDMENT / BATTERY COVER DOOR	REF
5	4-2189-11	WELDMENT / AIR CLEANER COVER DOOR	REF
6	6-5208-08	CAPSCREW 1/2 NC x 2 LG.	4
7	6-6211-08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

https://truckmanualshub.com/



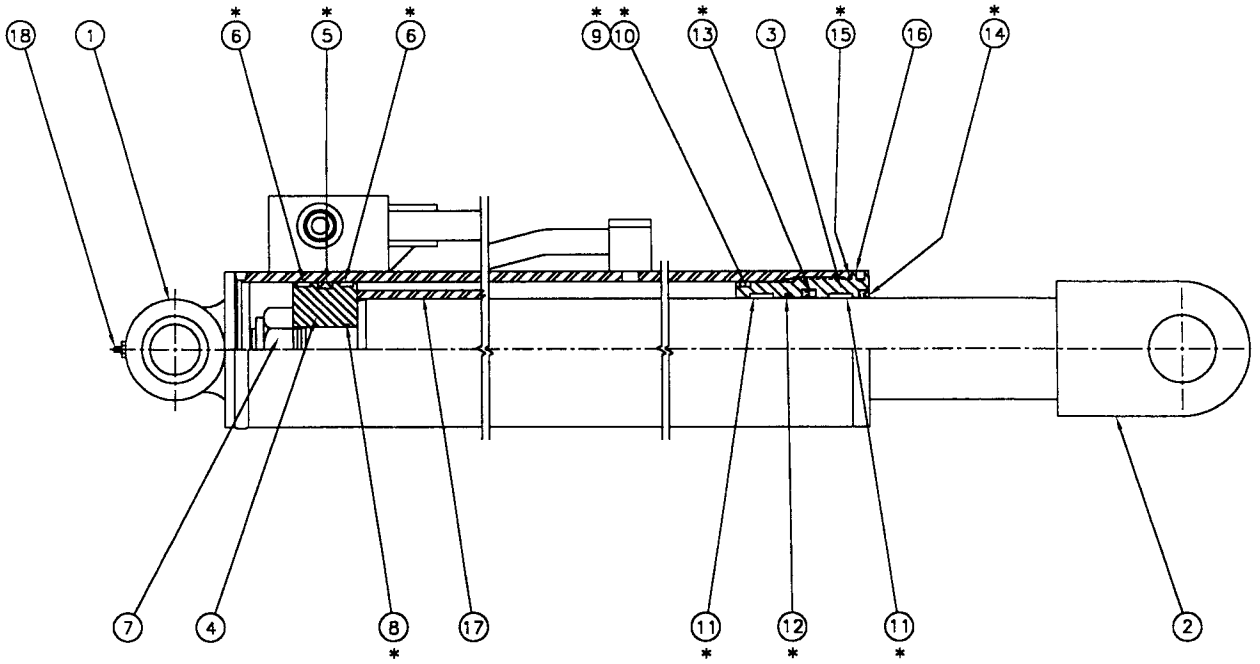
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-364	BARREL ASSEMBLY		1
2	7-316-365	ROD ASSEMBLY		1
3	7-316-368	HEAD		1
4	7-316-359	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP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

https://truckmanualshub.com/



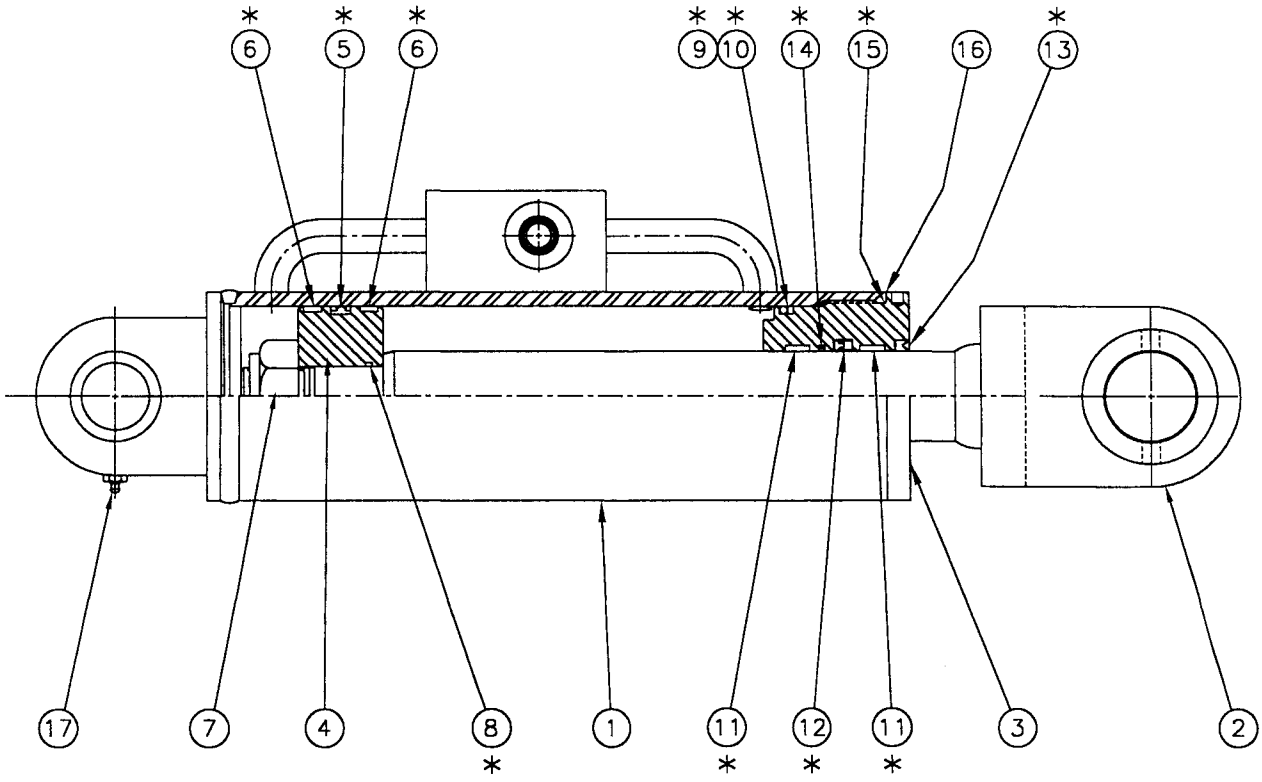
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-371	BARREL ASSEMBLY		1
2	7-316-280	ROD ASSEMBLY		1
3	7-316-372	HEAD		1
4	7-316-373	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-377	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP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

https://truckmanualshub.com/



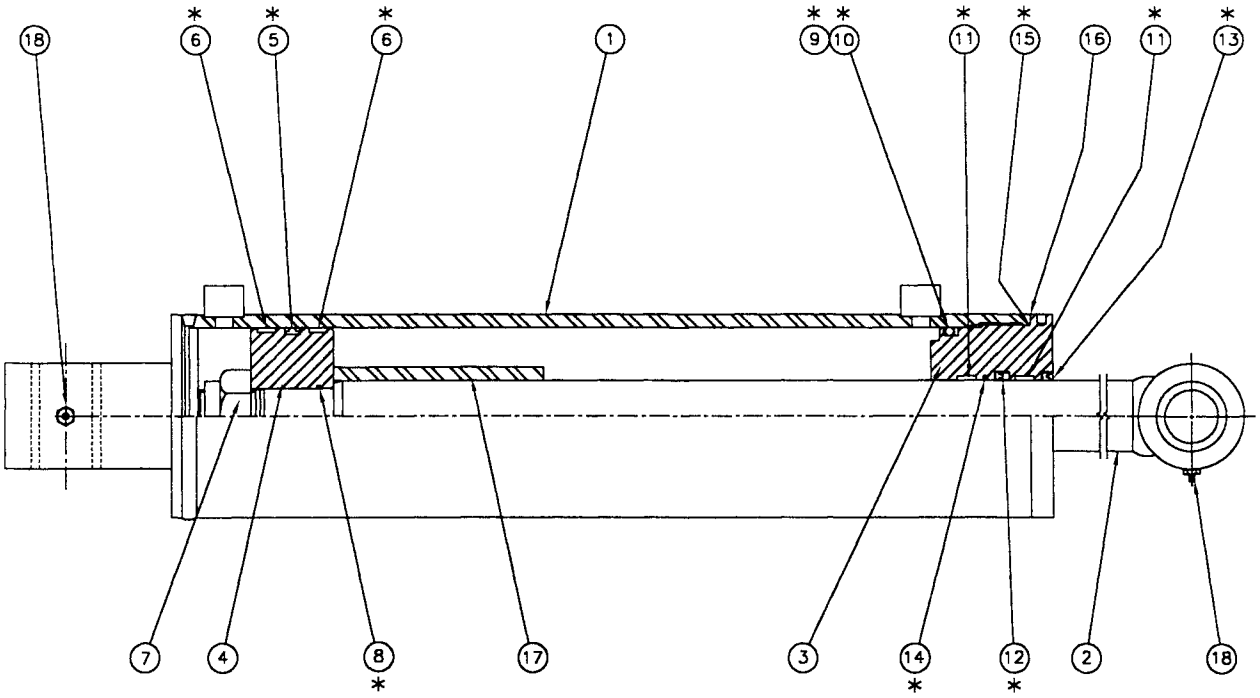
ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-357	BARREL ASSEMBLY		1
2	7-316-358	ROD ASSEMBLY		1
3	7-316-360	HEAD		1
4	7-316-359	PISTON		1
5	7-316-53	SEAL / PISTON	(*)	1
6	7-316-361	WEAR RING / PISTON	(*)	2
7	7-316-74	SELF-LOCKING NUT		1
8	7-316-87	O-RING	(*)	1
9	7-316-85	O-RING / HEAD	(*)	1
10	7-316-86	BACK-UP 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

https://truckmanualshub.com/



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

https://truckmanualshub.com/

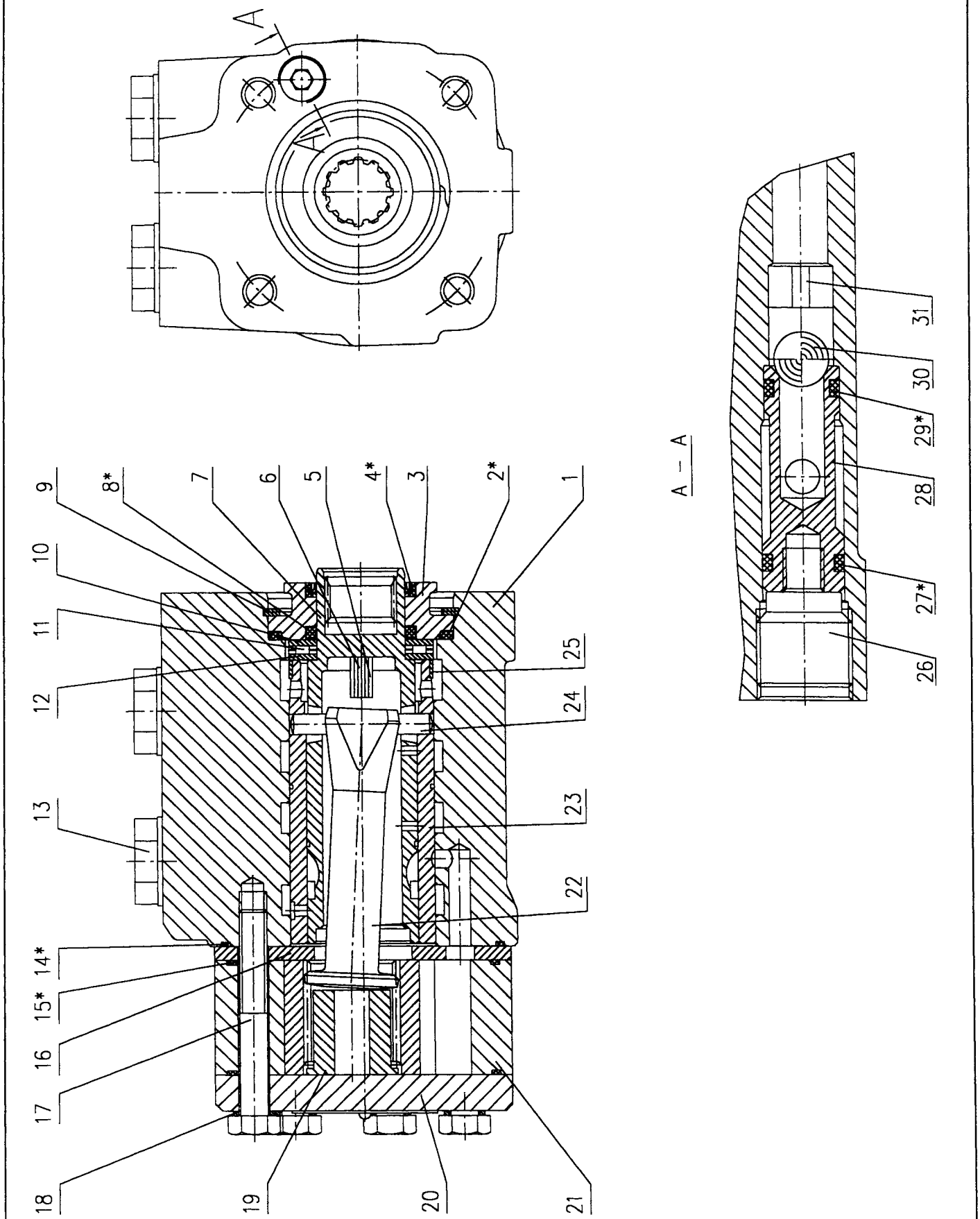


ITEM	NUMBER	DESCRIPTION		REQD
1	7-316-378	BARREL ASSEMBLY		1
2	7-316-275	ROD ASSEMBLY		1
3	7-316-372	HEAD		1
4	7-316-373	PISTON		1
5	7-316-217	SEAL / PISTON	(*)	1
6	7-316-377	WEAR RING / PISTON	(*)	2
7	7-316-73	SELF-LOCKING NUT		1
8	7-316-80	O-RING	(*)	1
9	7-316-218	O-RING / HEAD	(*)	1
10	7-316-220	BACK-UP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

https://truckmanualshub.com/

NOTES

https://truckmanualshub.com/

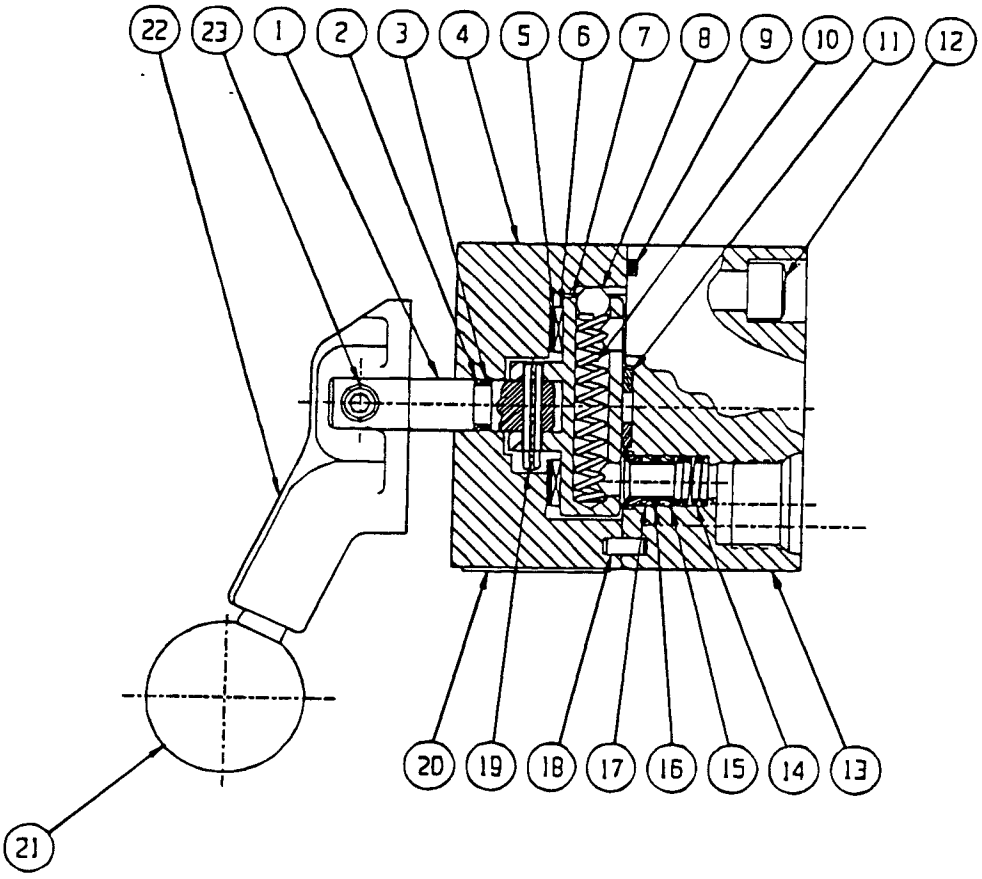


41	PAGE NUMBER	ORBITRAL ASSEMBLY / 7-147-01 TH528C		DRAWING NUMBER	P1-1554

https://truckmanualshub.com/

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

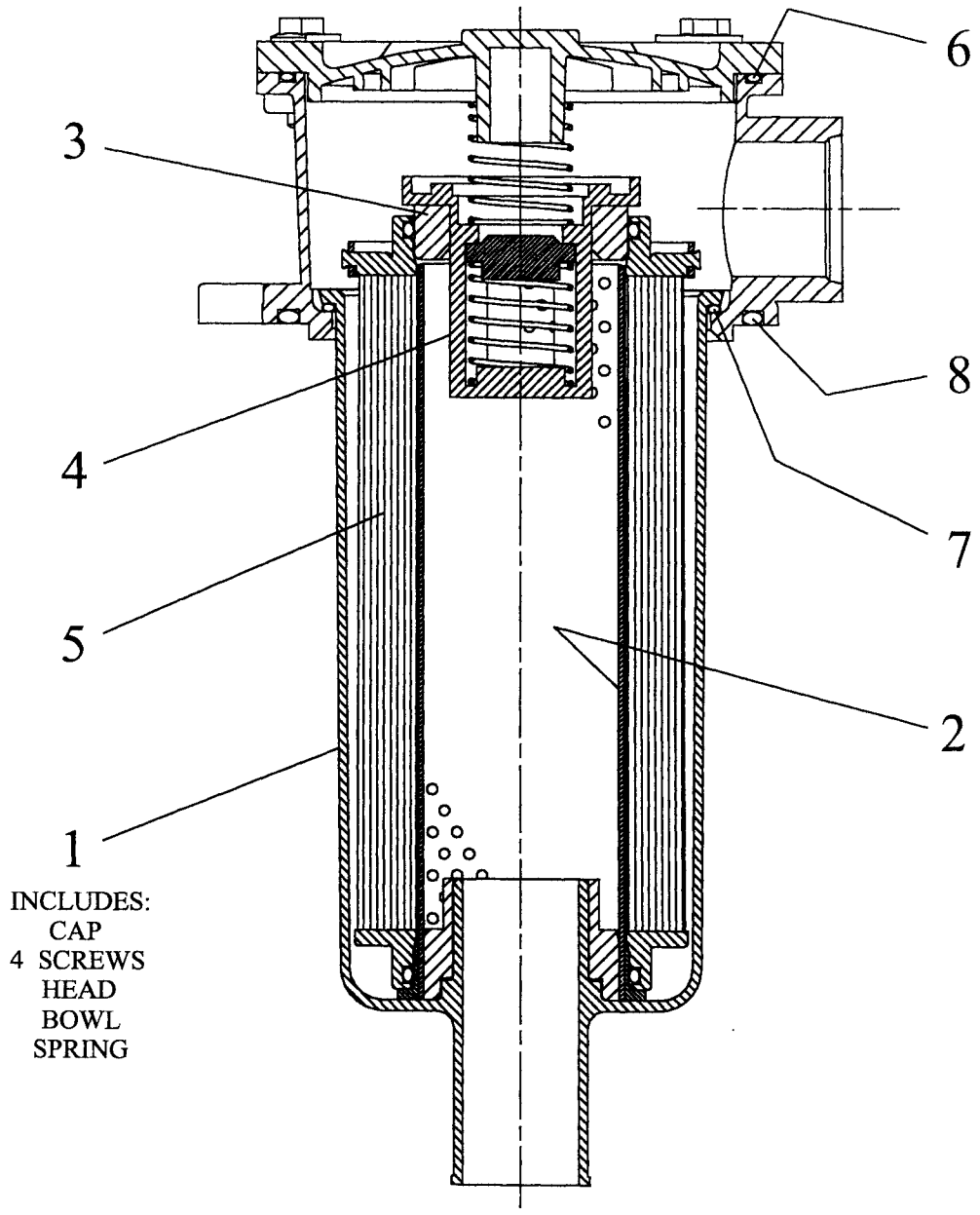
https://truckmanualshub.com/



https://truckmanualshub.com/

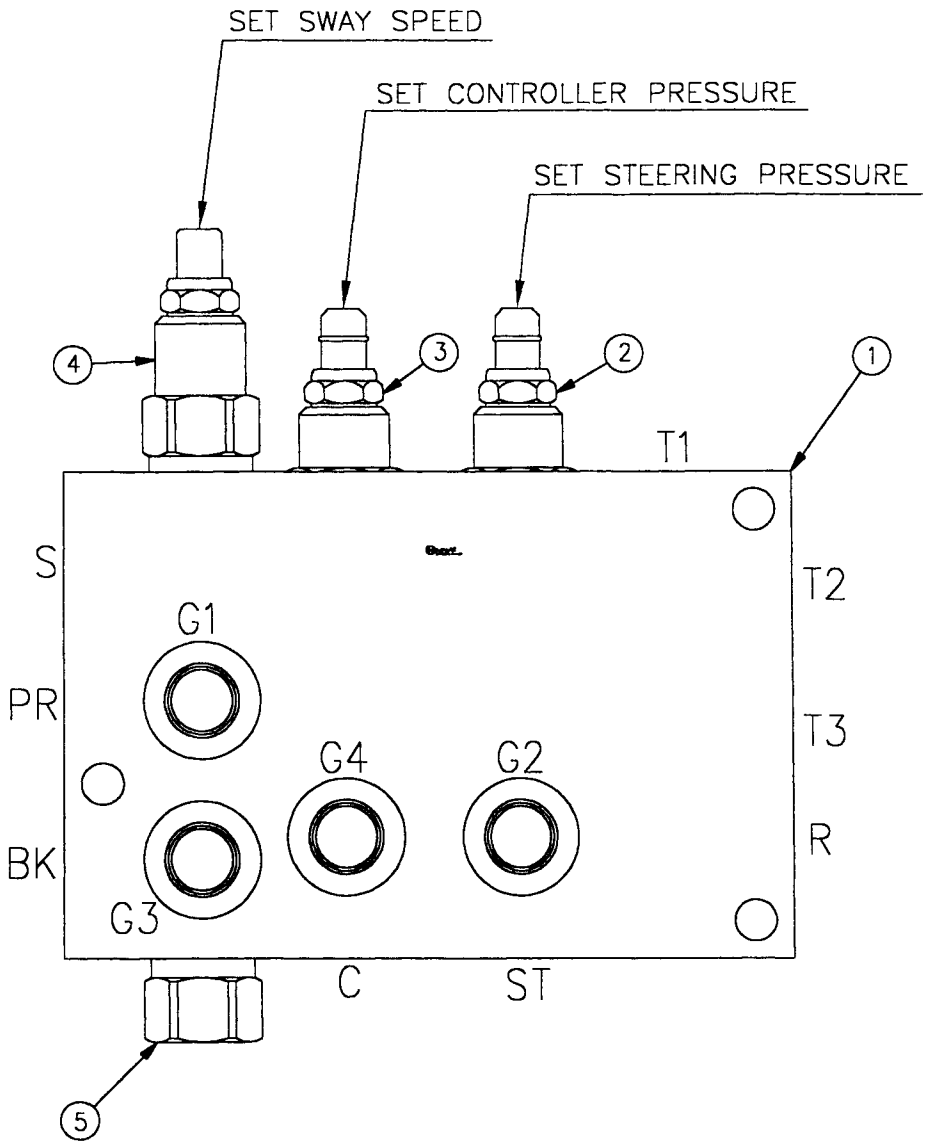
ITEM	NUMBER	DESCRIPTION	REQD
1		SHAFT	1
2	7-359-06	BACK UP RING - SHAFT	1
3	7-359-07	O-RING - SHAFT	1
4		HOUSING	1
5		THRUST WASHER	1
6	7-359-08	THRUST BEARING	1
7	7-359-09	ROTOR	1
8	7-359-10	BALL - DETENT	1
9	7-359-11	O-RING - HOUSING	1
10	7-359-12	SPRING - DETENT	1
11		WASHER - SPACER	1
12		SCREW -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

https://truckmanualshub.com/



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

https://truckmanualshub.com/

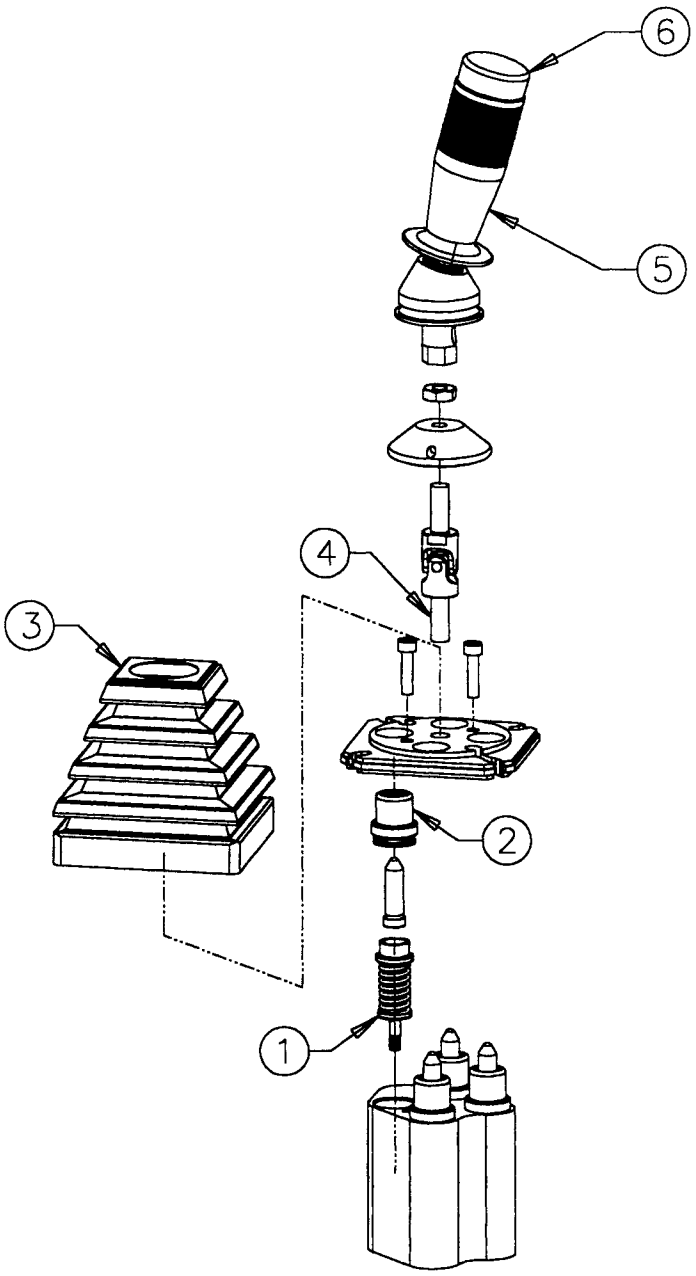


PRESSURE SETTINGS

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

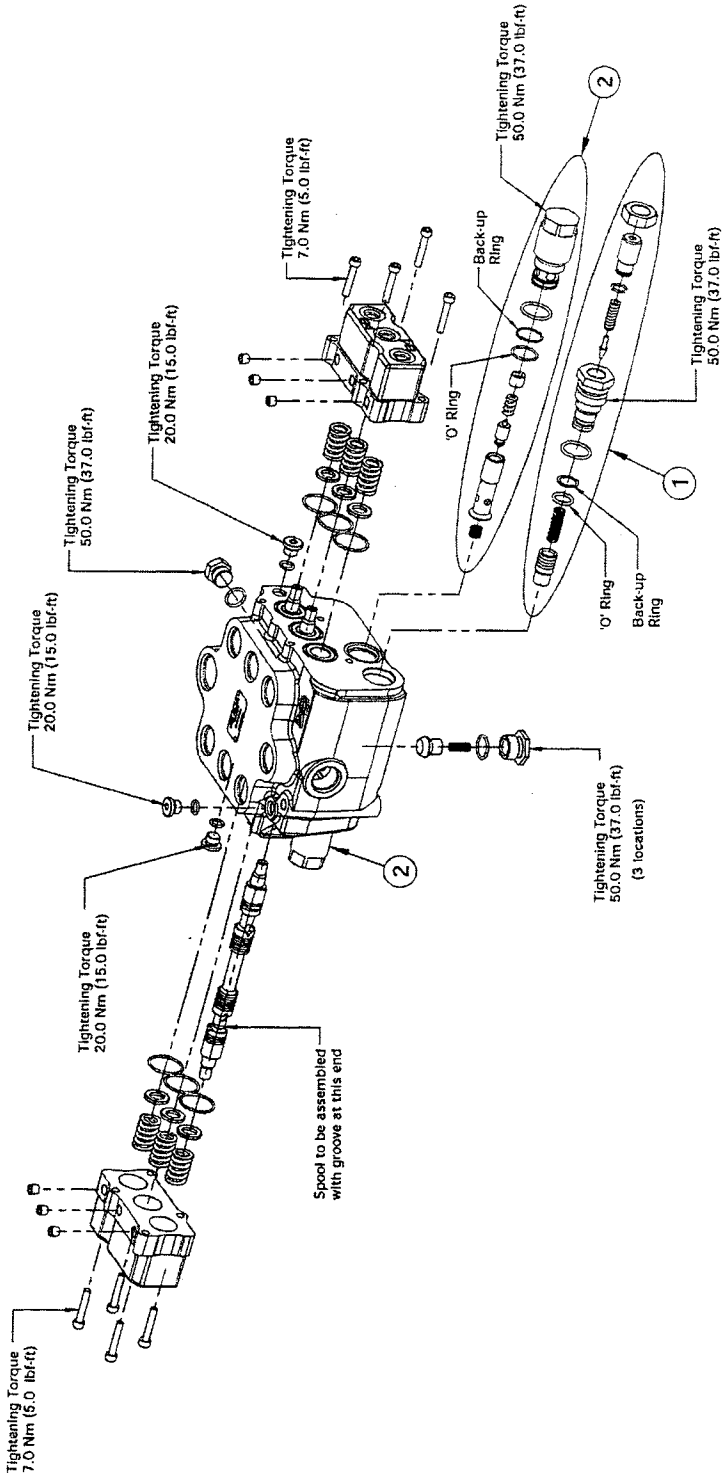
ITEM	NUMBER	DESCRIPTION	REQD
1	7-234-97	BODY	1
2	7-234-28	CARTRIDGE / REDUC.-RELIEVING	1
3	7-234-13	CARTRIDGE / REDUC.-RELIEVING	1
4	7-234-37	CARTRIDGE / NEEDLE	1
5	7-234-80	CARTRIDGE / CHECK	1
6	7-234-94	CONTROL BLOCK ASSEMBLY (ITEMS 1-5)	1

https://truckmanualshub.com/



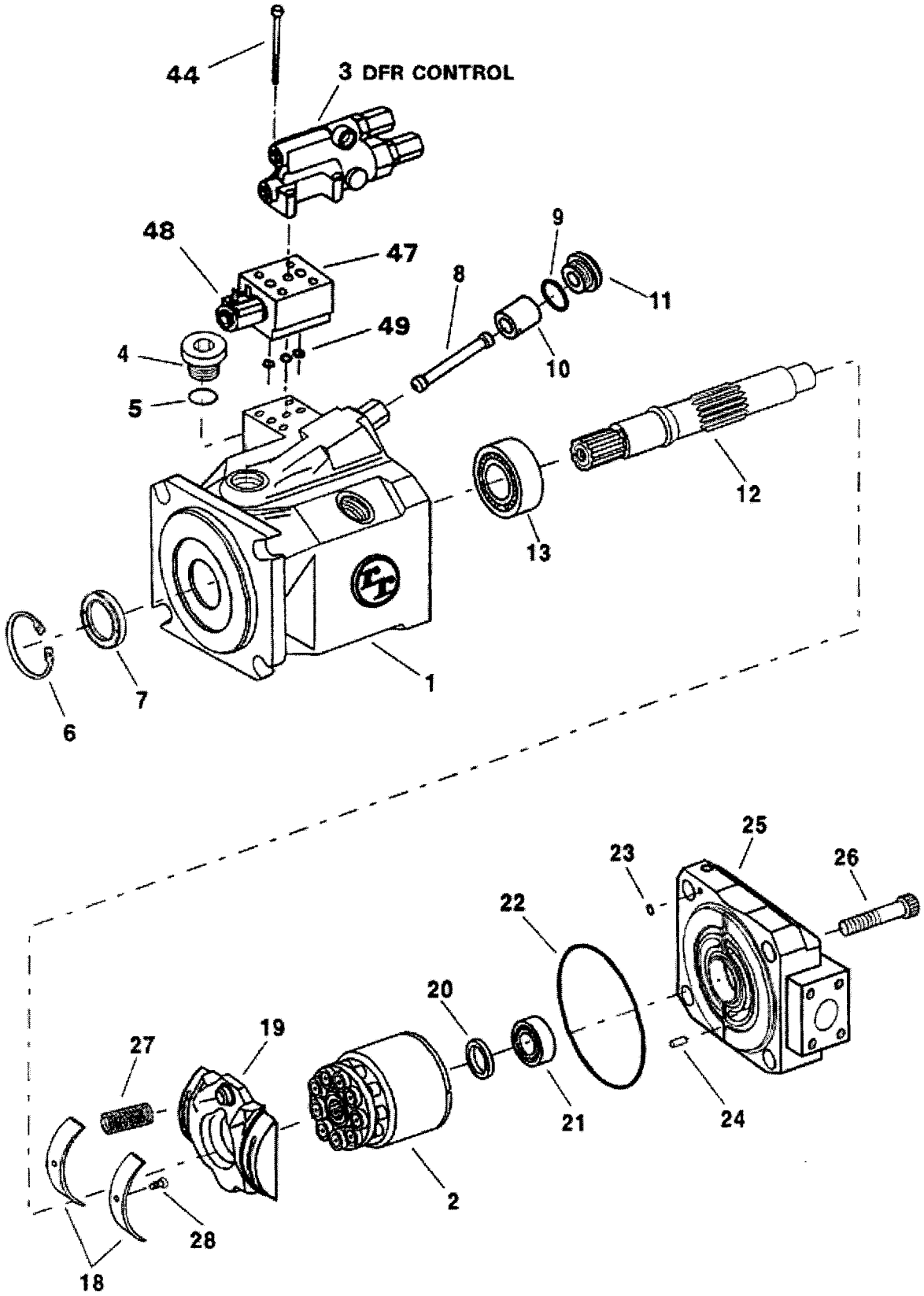
ITEM	NUMBER	DESCRIPTION	REQD
1	7-358-16	SPRING PACK	4
2	7-358-17	GUIDE & SEAL ASSEMBLY	4
3	7-358-18	BOOT	1
4	7-358-19	UNIVERSAL JOINT ASSEMBLY	1
5	7-358-20	COMPLETE HANDLE ASSY (INCL. ITEM 6)	1
6	7-358-28	RUBBER SWITCH COVER	1

https://truckmanualshub.com/



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

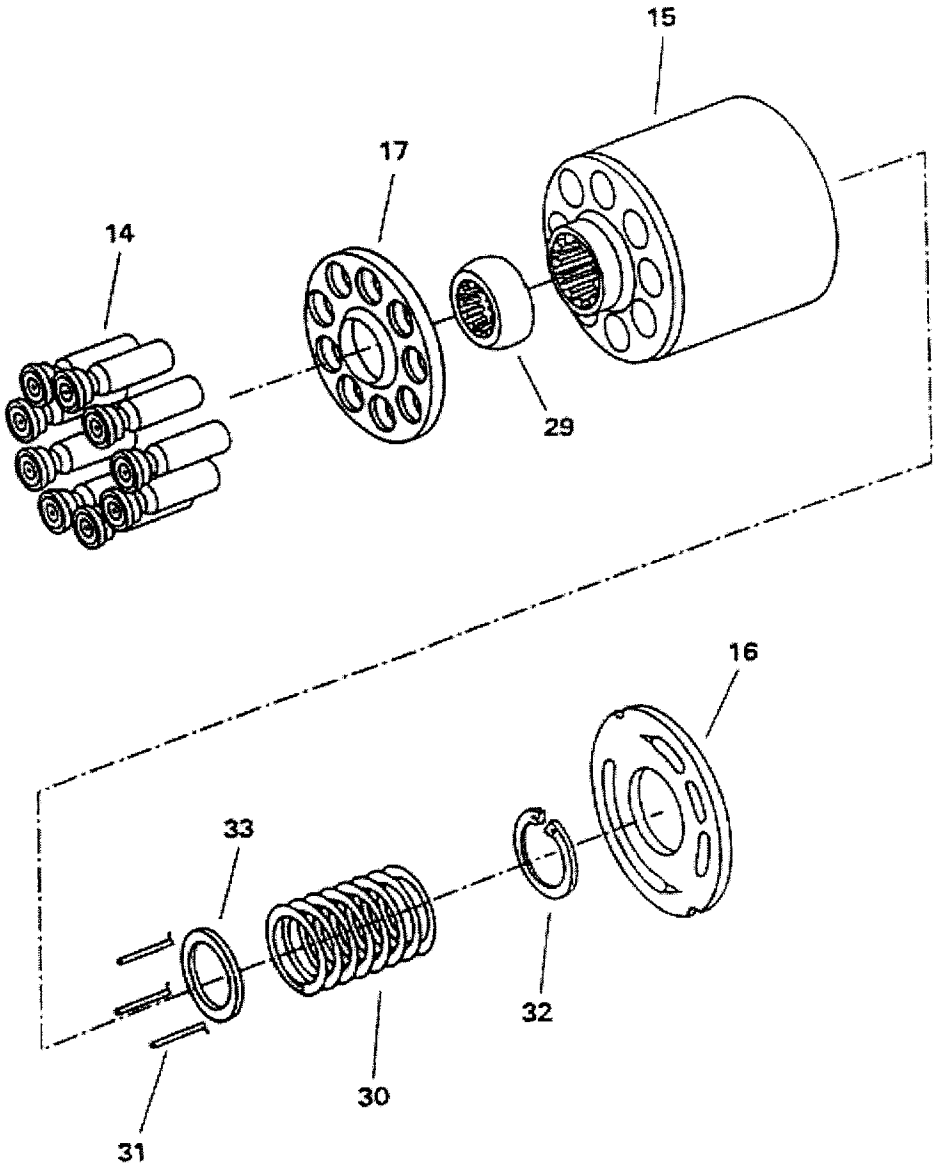
https://truckmanualshub.com/



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

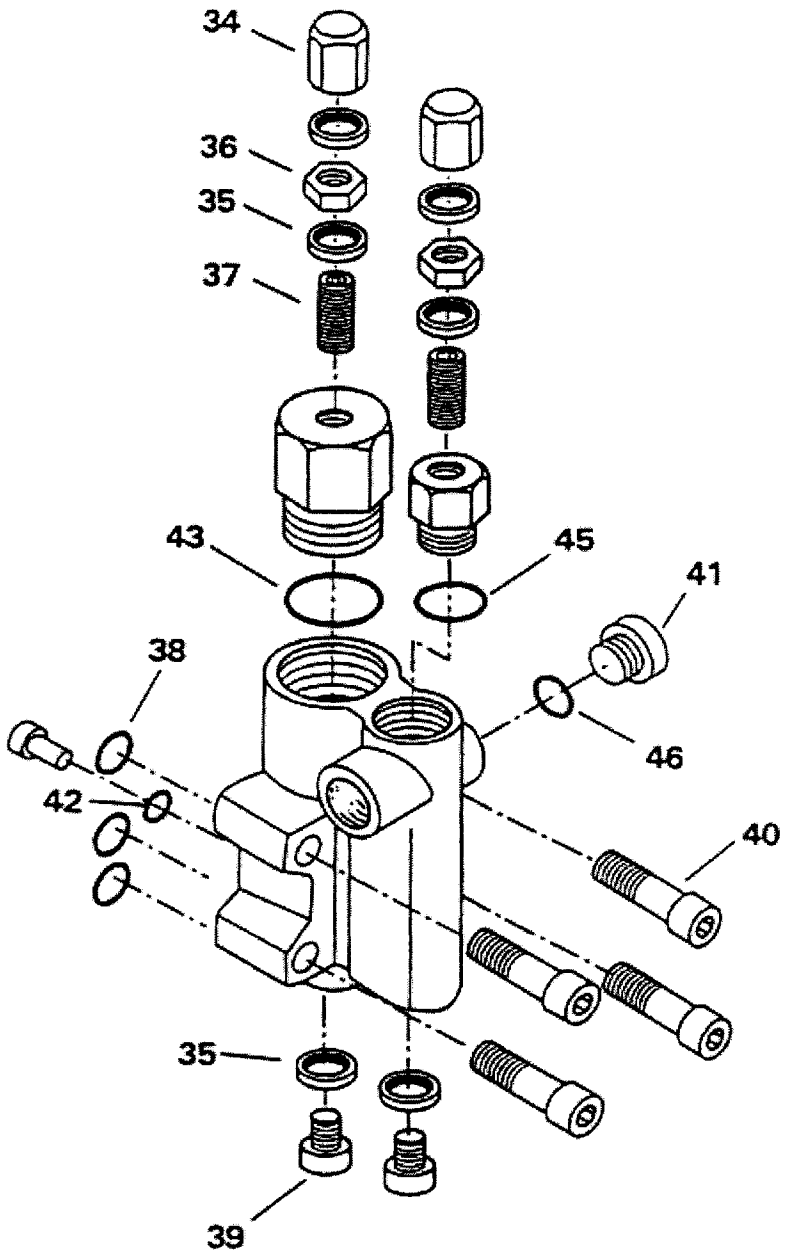
https://truckmanualshub.com/

ITEM 2
ROTARY GROUP CW
PARTS BREAKDOWN



https://truckmanualshub.com/

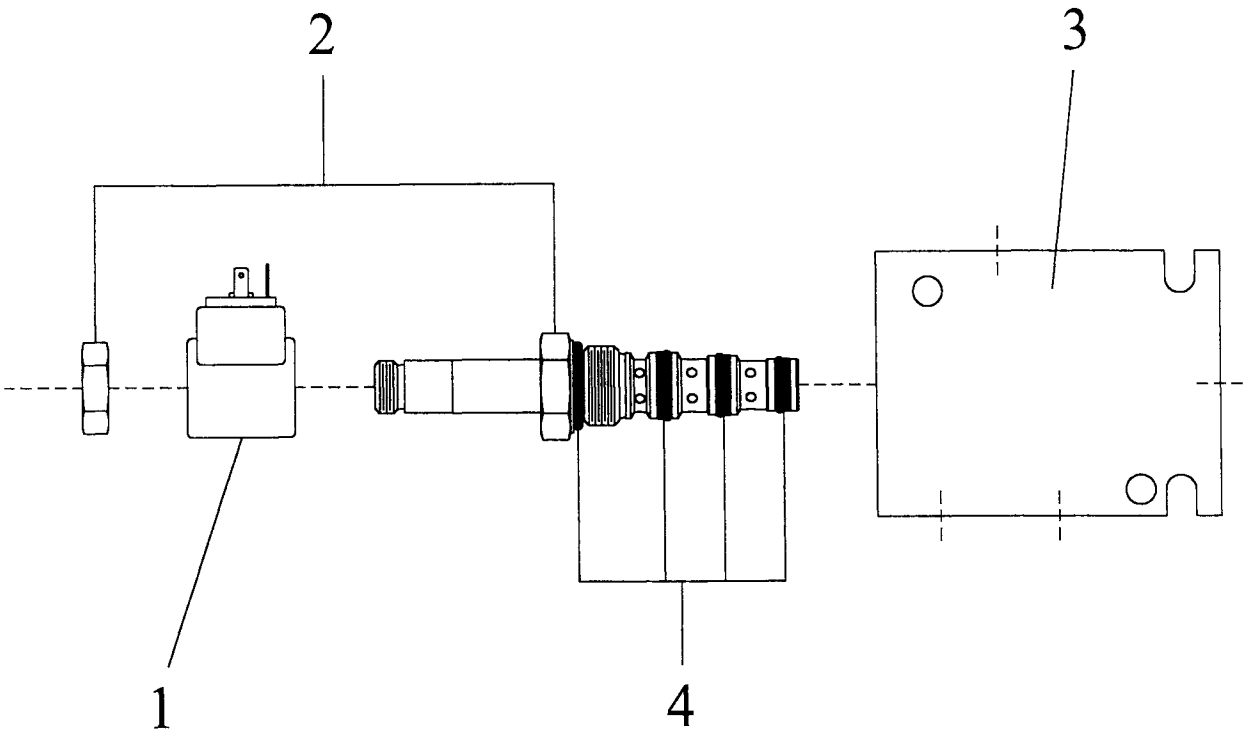
ITEM 3
DFR CONTROL
PARTS BREAKDOWN



https://truckmanualshub.com/

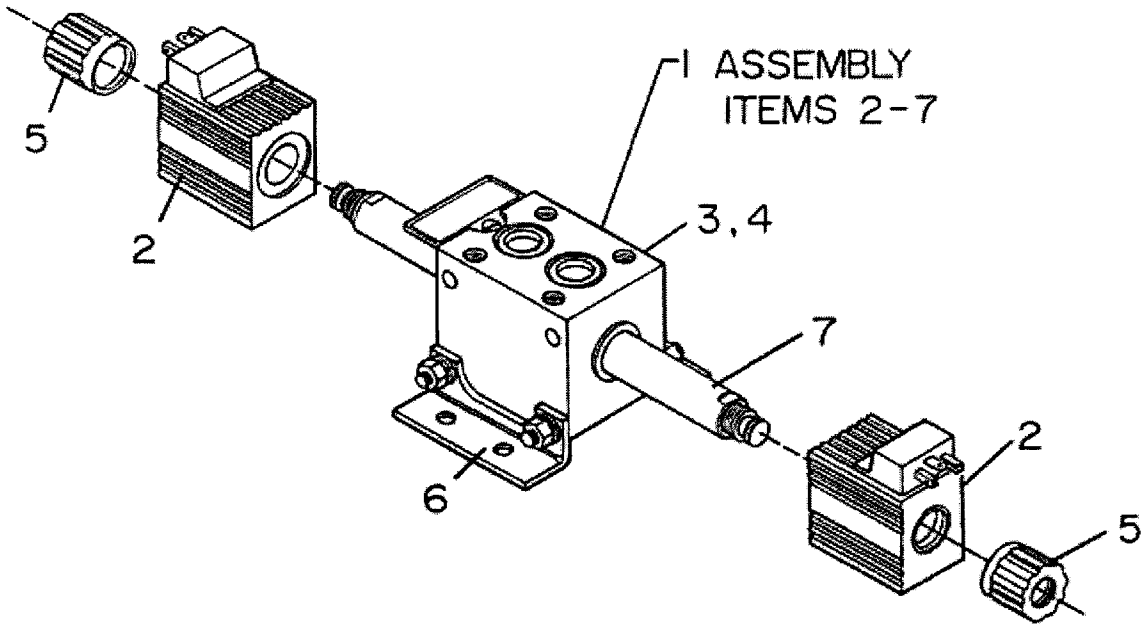
ITEM	NUMBER	DESCRIPTION		REQD
1	7-345-159	HOUSING ASSEMBLY		1
2	7-345-160	ROTARY GROUP CW		1
3	7-345-140	DFR CONTROL		1
4	7-345-05	PLUG		1
5	7-345-06	O-RING	(*)	1
6	7-345-08	SNAP RING		1
7	7-345-09	SHAFT SEAL	(*)	1
8	7-345-10	ROD		1
9	7-345-11	O-RING	(*)	1
10	7-345-12	PISTON		1
11	7-345-161	PLUG		1
12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

https://truckmanualshub.com/



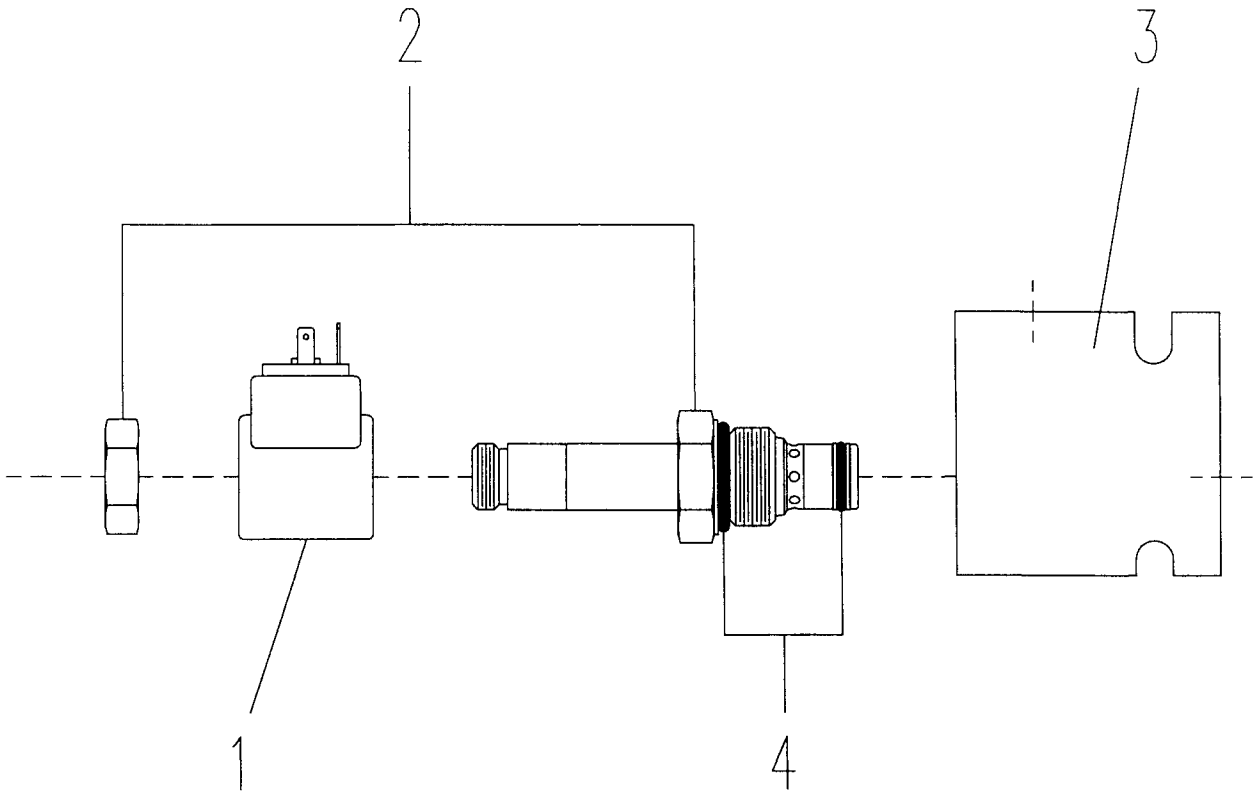
ITEM	NUMBER	DESCRIPTION	REQD
1	7-367-05	COIL / DIN	1
2	7-367-10	CARTRIDGE ASSEMBLY w/ NUT	1
3	7-367-11	BODY	1
4	7-367-19	SEAL KIT	1

https://truckmanualshub.com/



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

https://truckmanualshub.com/

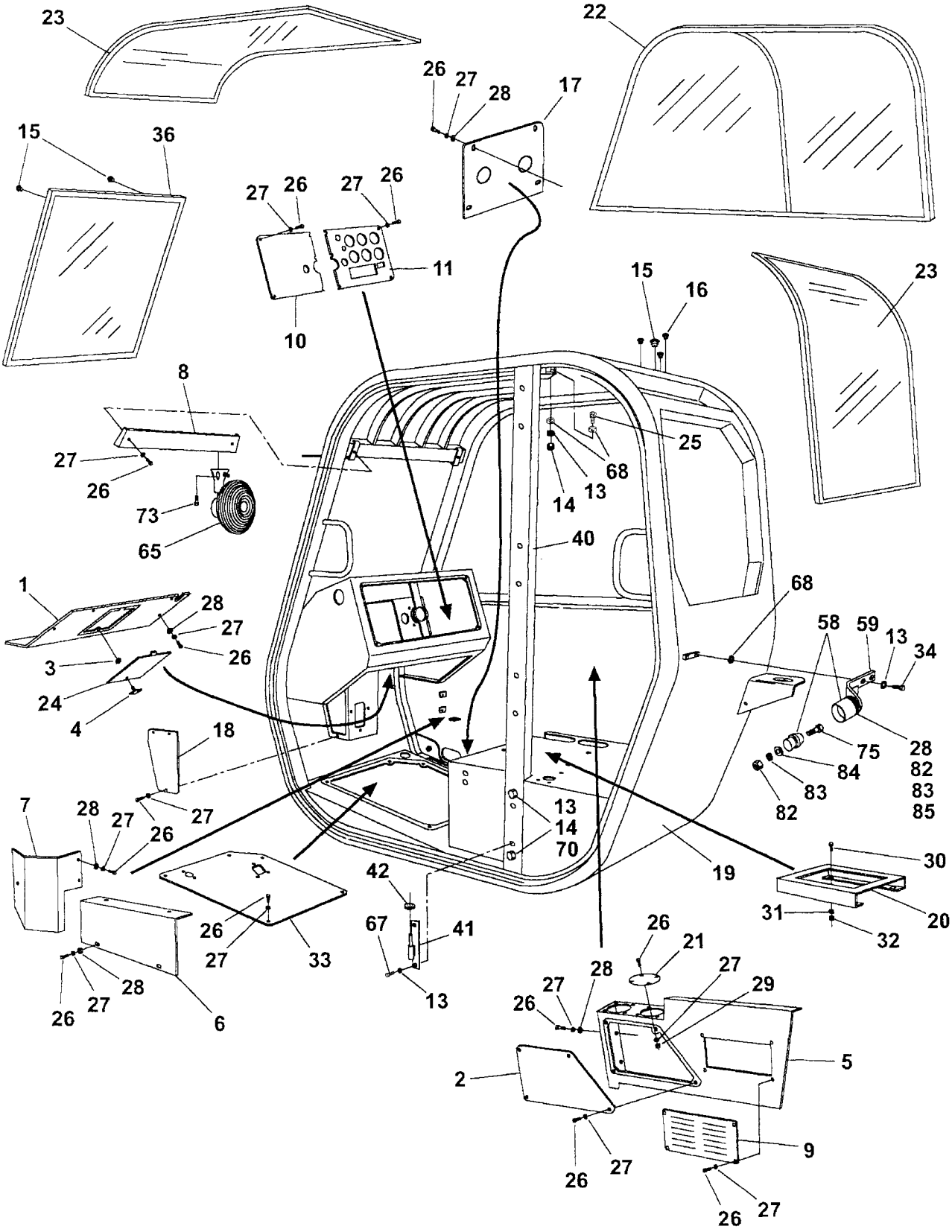


ITEM	NUMBER	DESCRIPTION	REQD
1	7-367-05	COIL / DIN	1
2	7-367-06	CARTRIDGE ASSEMBLY w/ NUT	1
3	7-367-07	BODY	1
4	7-367-17	SEAL KIT / CARTRIDGE	REF

https://truckmanualshub.com/

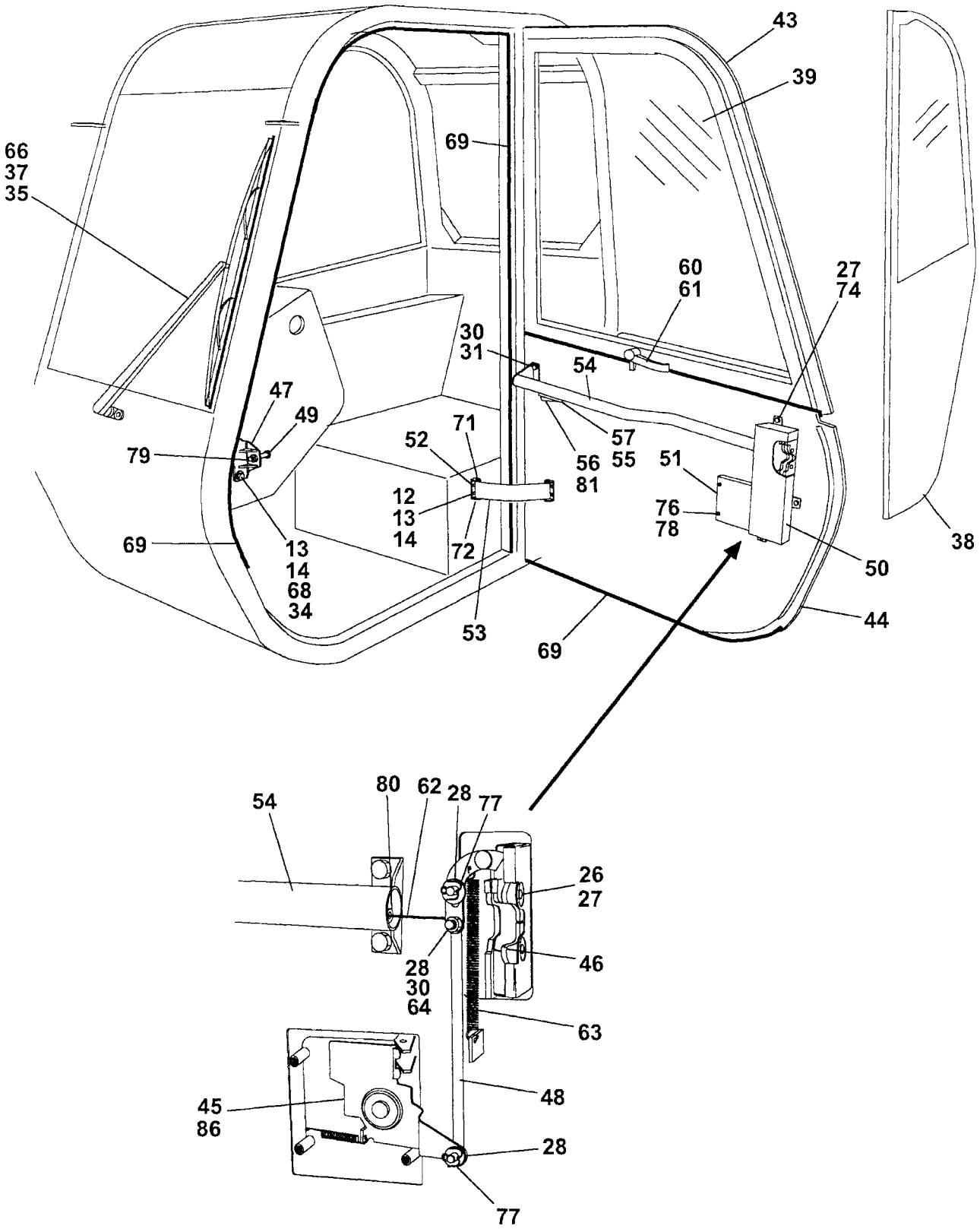
OPTIONAL EQUIPMENT SECTION

https://truckmanualshub.com/



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

https://truckmanualshub.com/



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

https://truckmanualshub.com/

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

https://truckmanualshub.com/

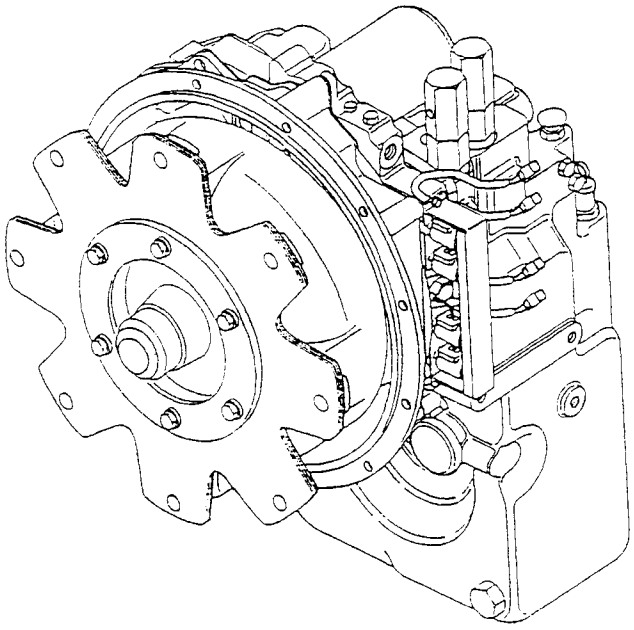
ITEM	NUMBER	DESCRIPTION	REQD
51	7-114-61	COVER / DOOR LATCH	1
52	7-114-62	DOOR STRAP MOUNT	1
53	7-114-63	DOOR STRAP	1
54	7-114-64	INSIDE DOOR HANDLE	1
55	7-114-65	HOUSING / LEVER	1
56	7-114-66	LEVER	1
57	7-114-67	MACHINE SCREW #10-24 x 1/2 LG.	1
58	7-114-68	DOOR HOLDER	1
59	7-114-69	DOOR HOLD-BACK MOUNT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

https://truckmanualshub.com/

https://truckmanualshub.com/

TRANSMISSION PARTS BOOK

TH528C TH528C TURBO
TH636C TH644C TH842C TH844C



DATE: 3-17-03

CLARK T12000 SERIES

INTERMEDIATE DROP

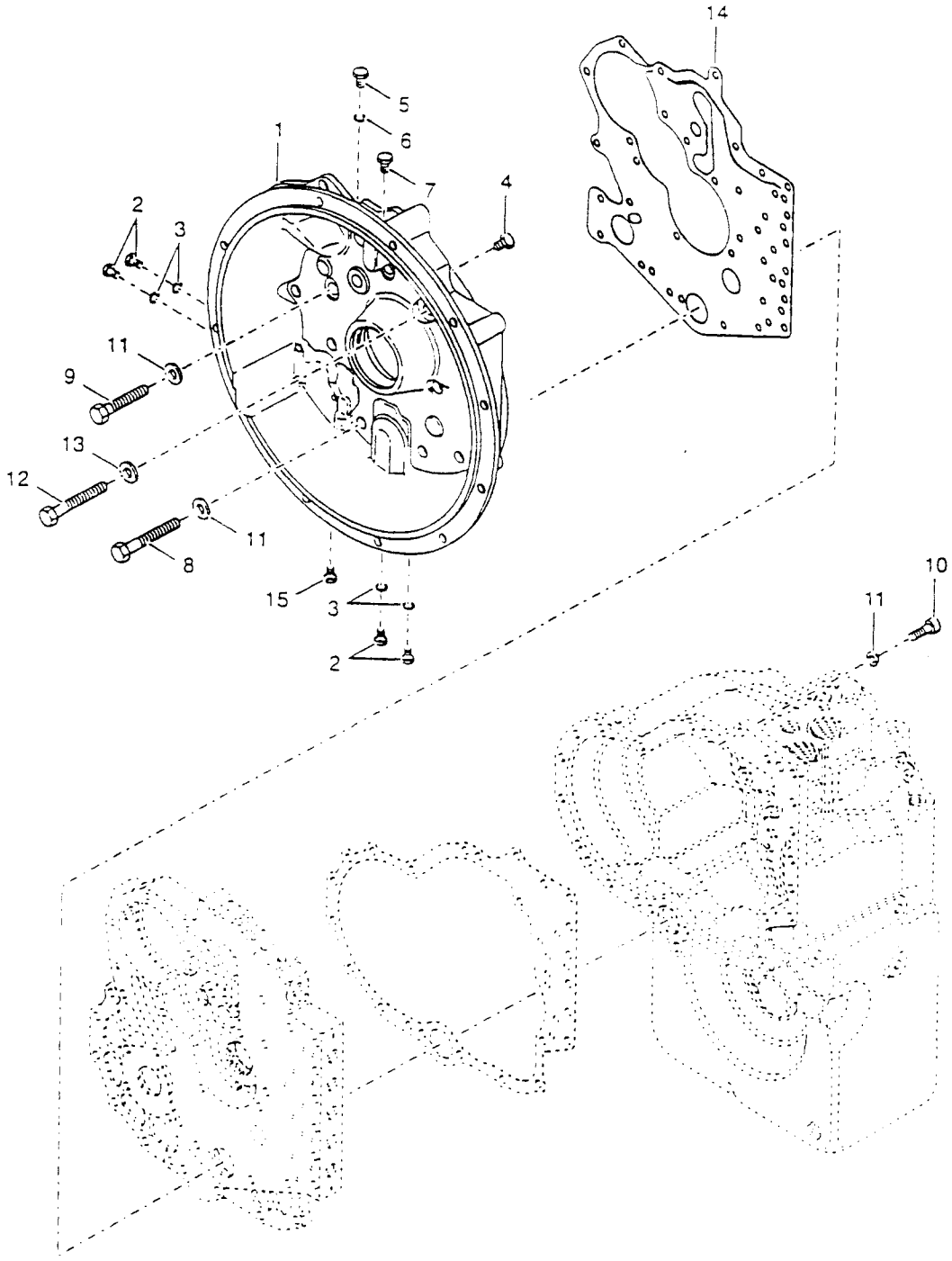
TEREX HANDLERS
455 N. Superior Ave., Baraga, MI 49908-0790
PH: (906) 353-6675; FAX: (906) 353-7543
INTERNET: http://www.sqshooter.com

https://truckmanualshub.com/

INDEX

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

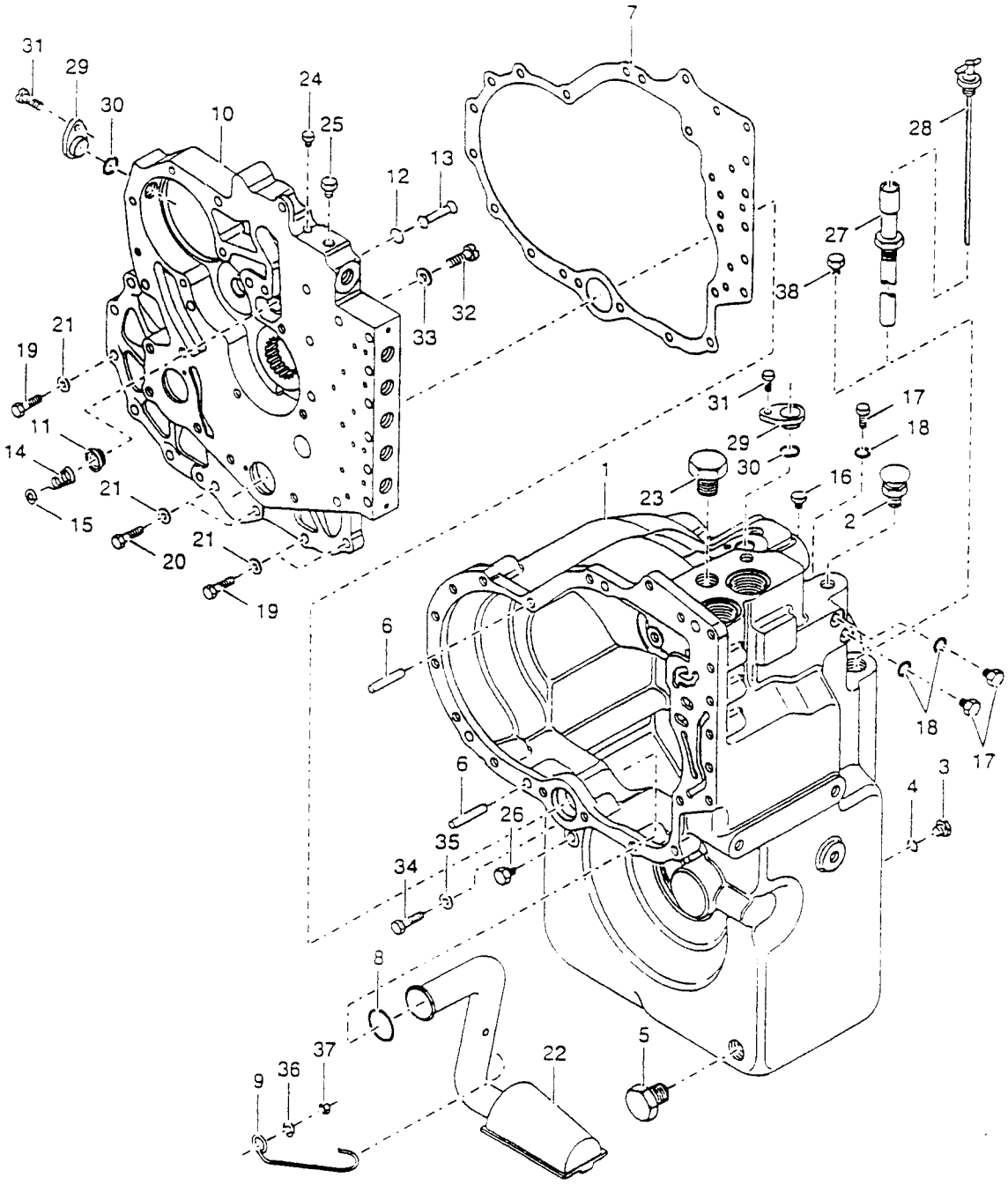
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

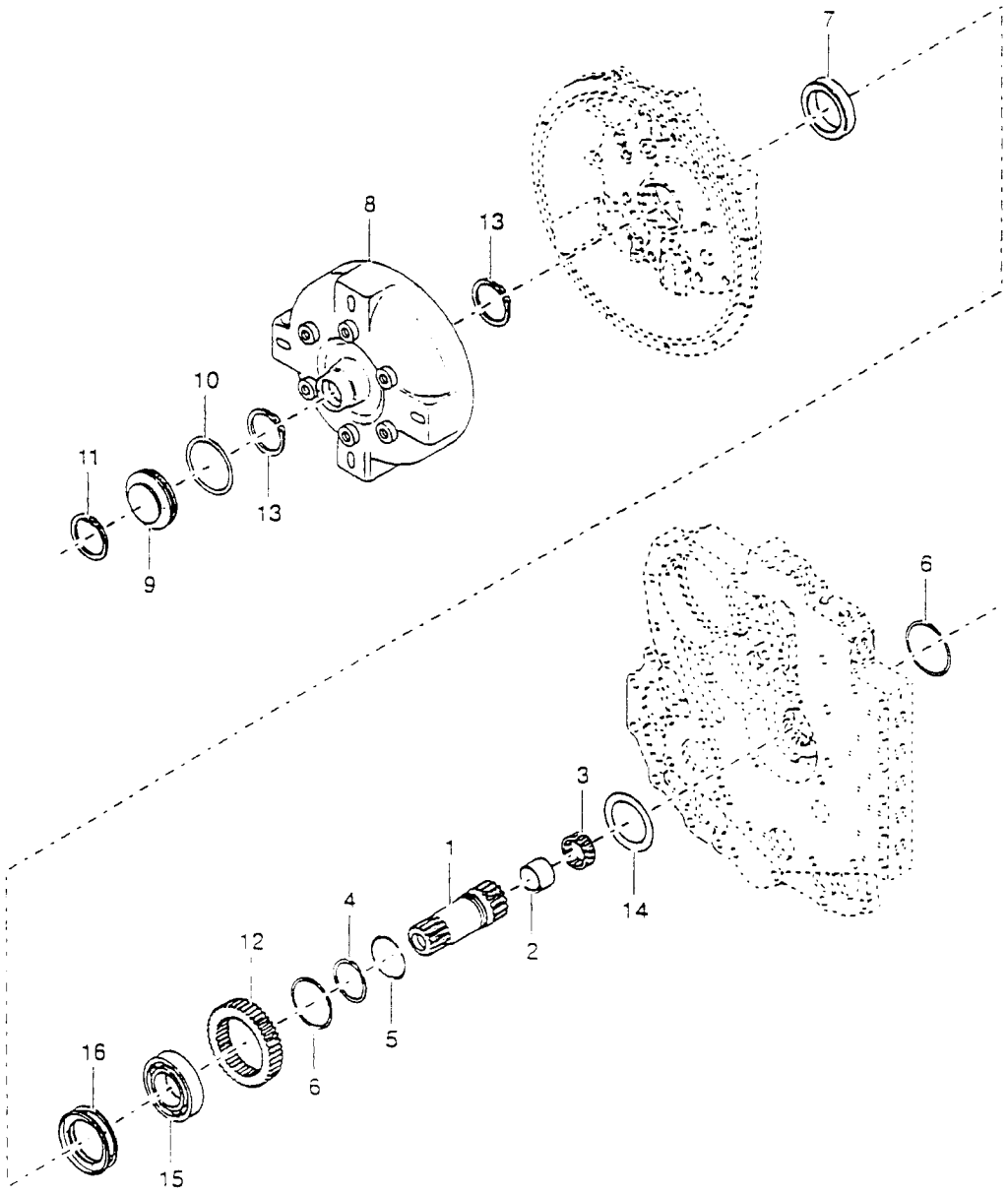


PAGE NUMBER	TRANSMISSION CASE & PLATE GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER
2		P1-1245

https://truckmanualshub.com/

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

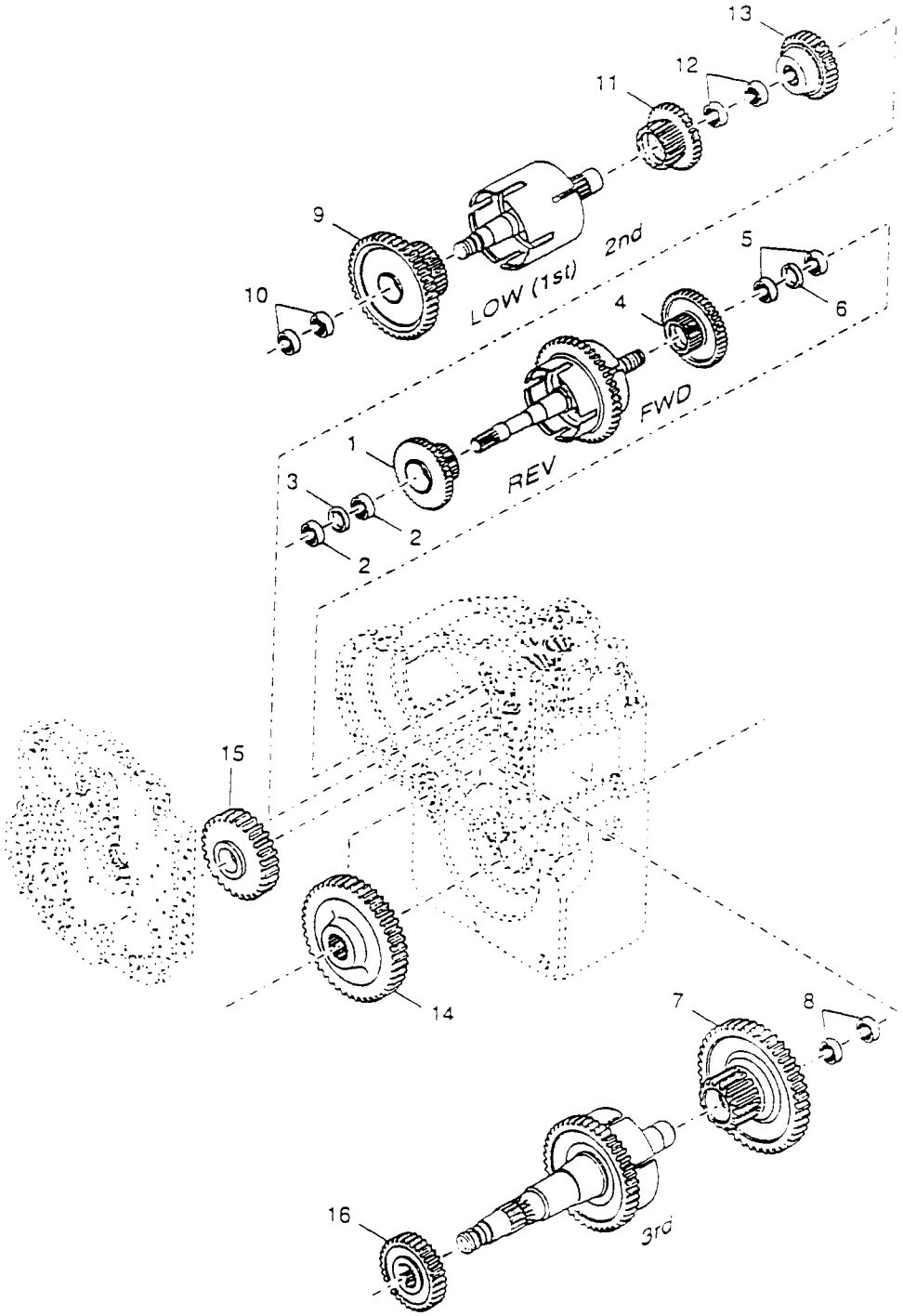
https://truckmanualshub.com/



https://truckmanualshub.com/

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

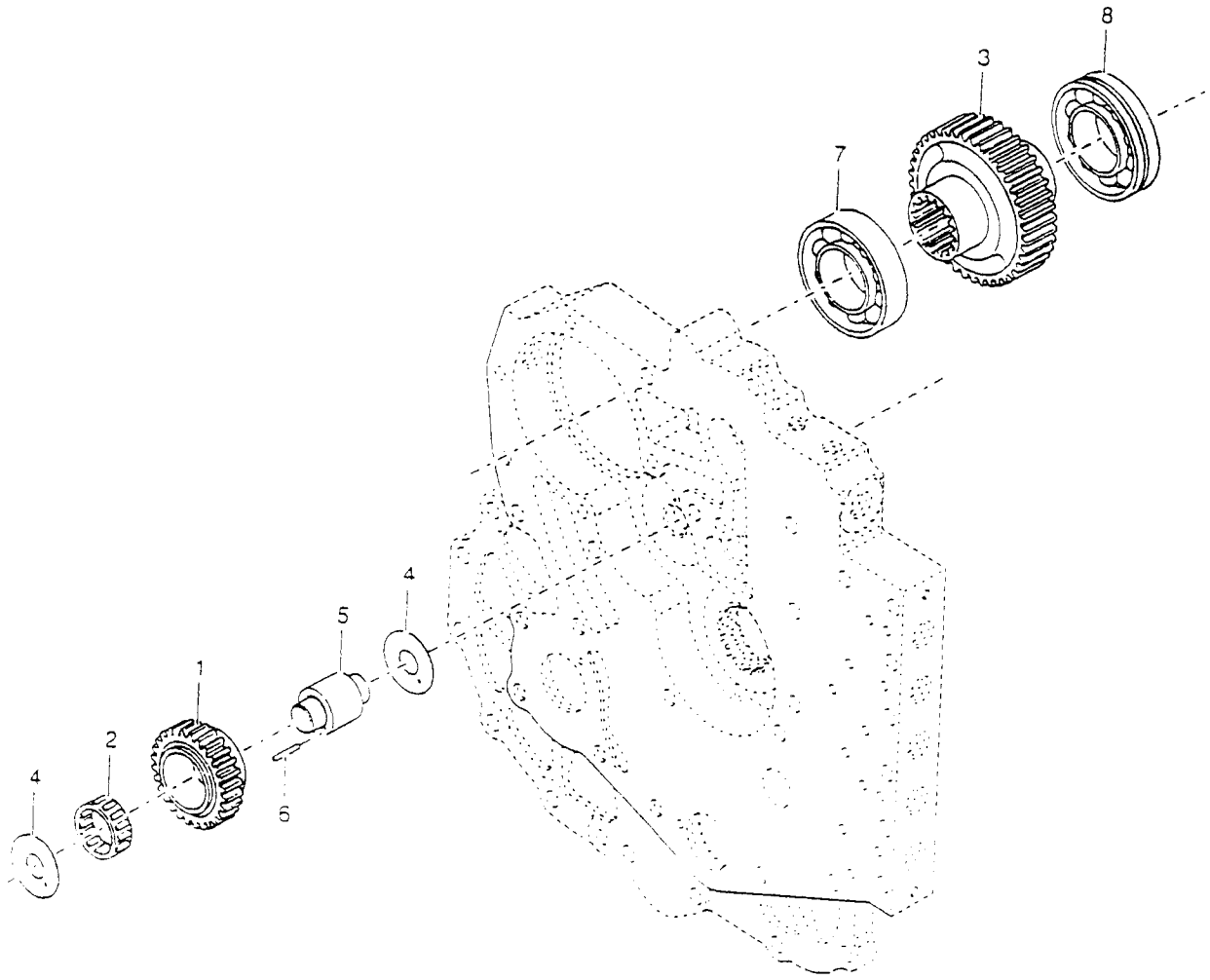
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

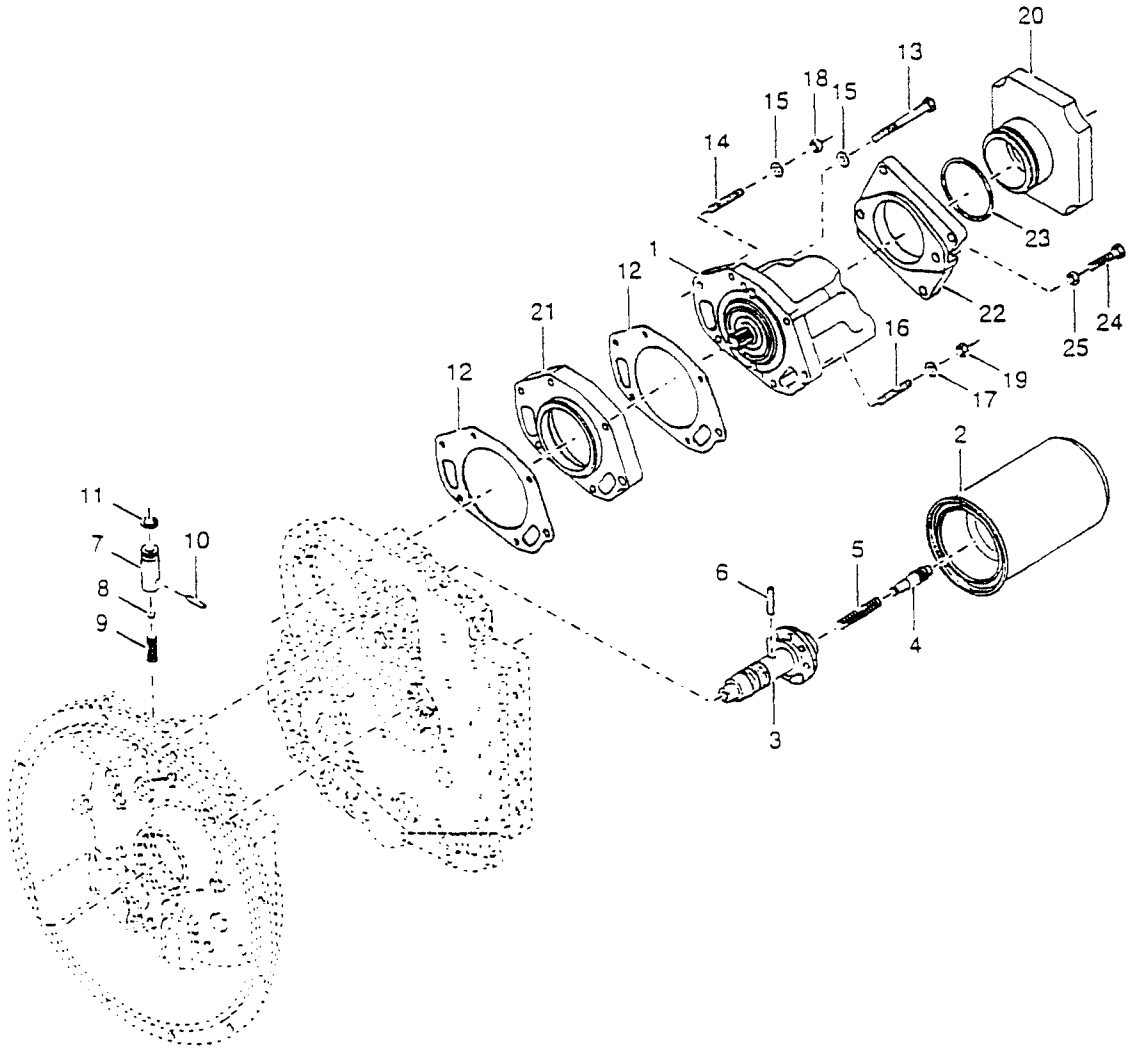


5	PAGE NUMBER	PUMP DRIVE GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1248

https://truckmanualshub.com/

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

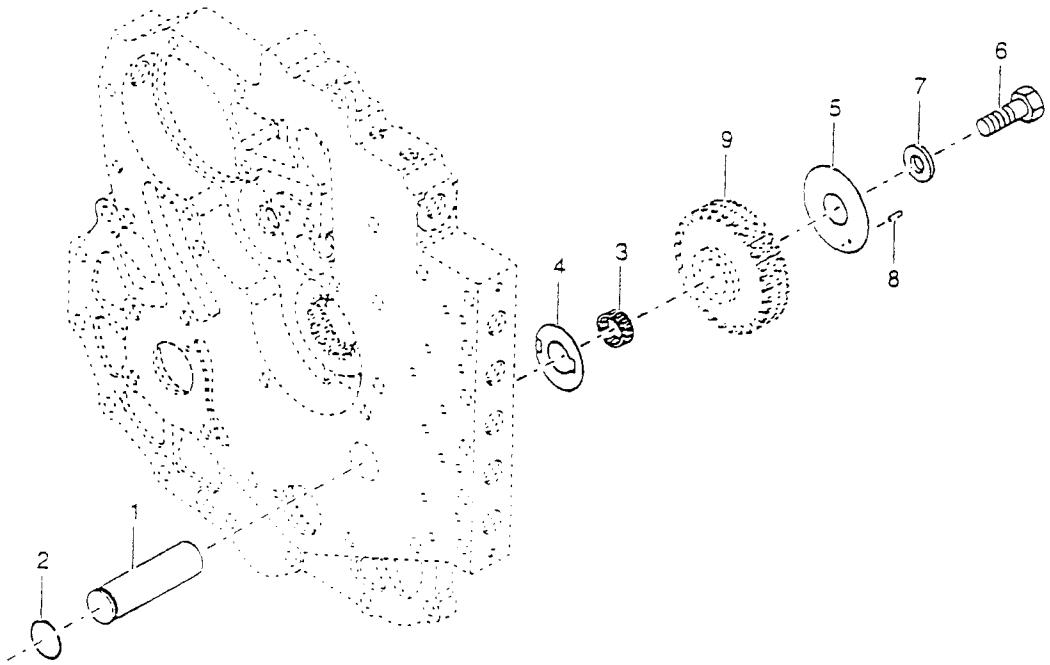
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

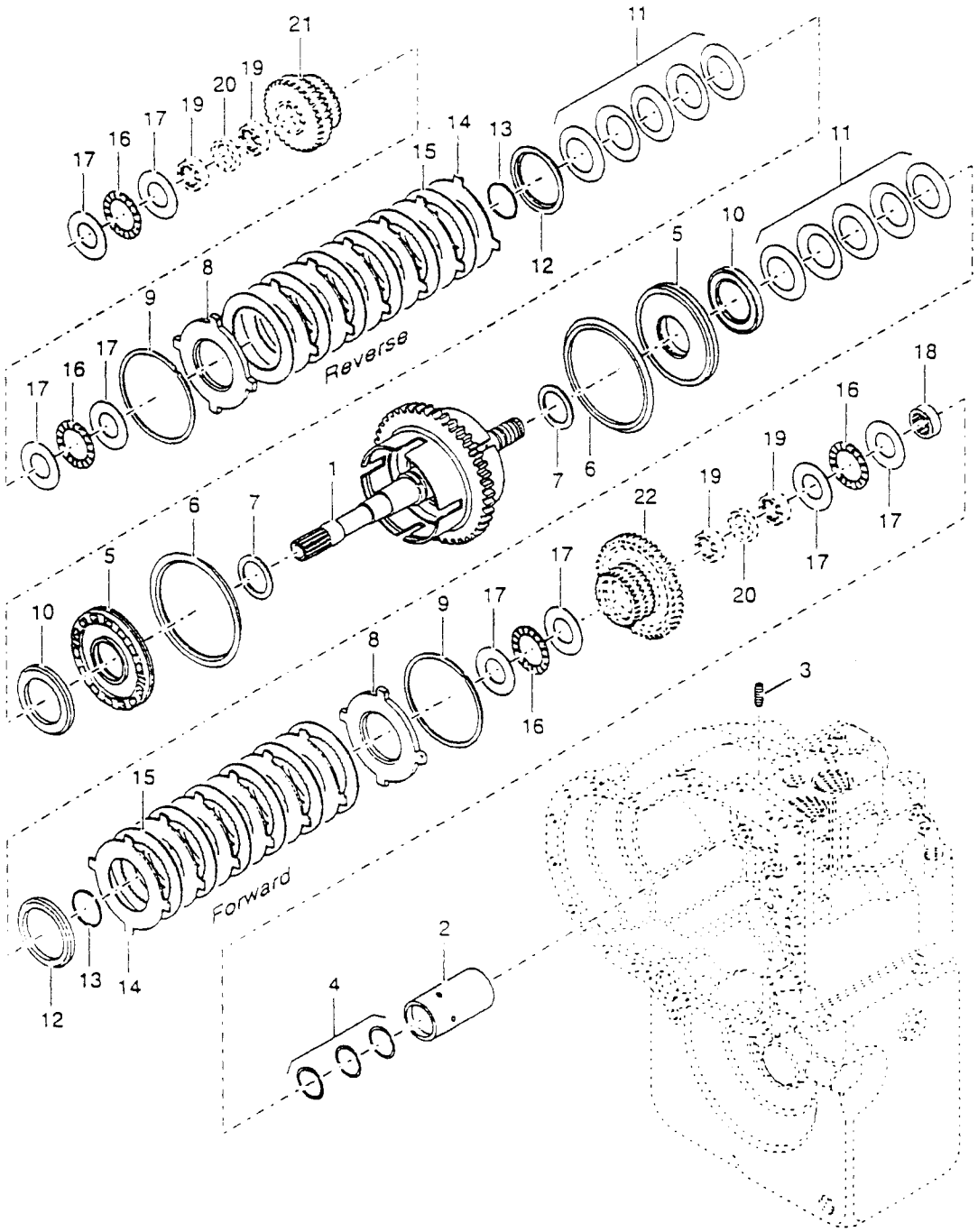


ITEM	NUMBER	DESCRIPTION	REQD
1	7-126-457	IDLER & PILOT SHAFT	1
2	7-126-458	IDLER SHAFT SNAP RING	1
3	7-126-459	REVERSE IDLER GEAR BEARING	1
4	7-126-460	THRUST WASHER	1
5	7-126-461	END PLATE	1
6	7-126-462	CAPSCREW	1
7	7-126-463	WASHER	1
8	7-126-464	ROLL PIN	1
9	7-126-431	REVERSE IDLER GEAR	1

https://truckmanualshub.com/

NOTES

https://truckmanualshub.com/

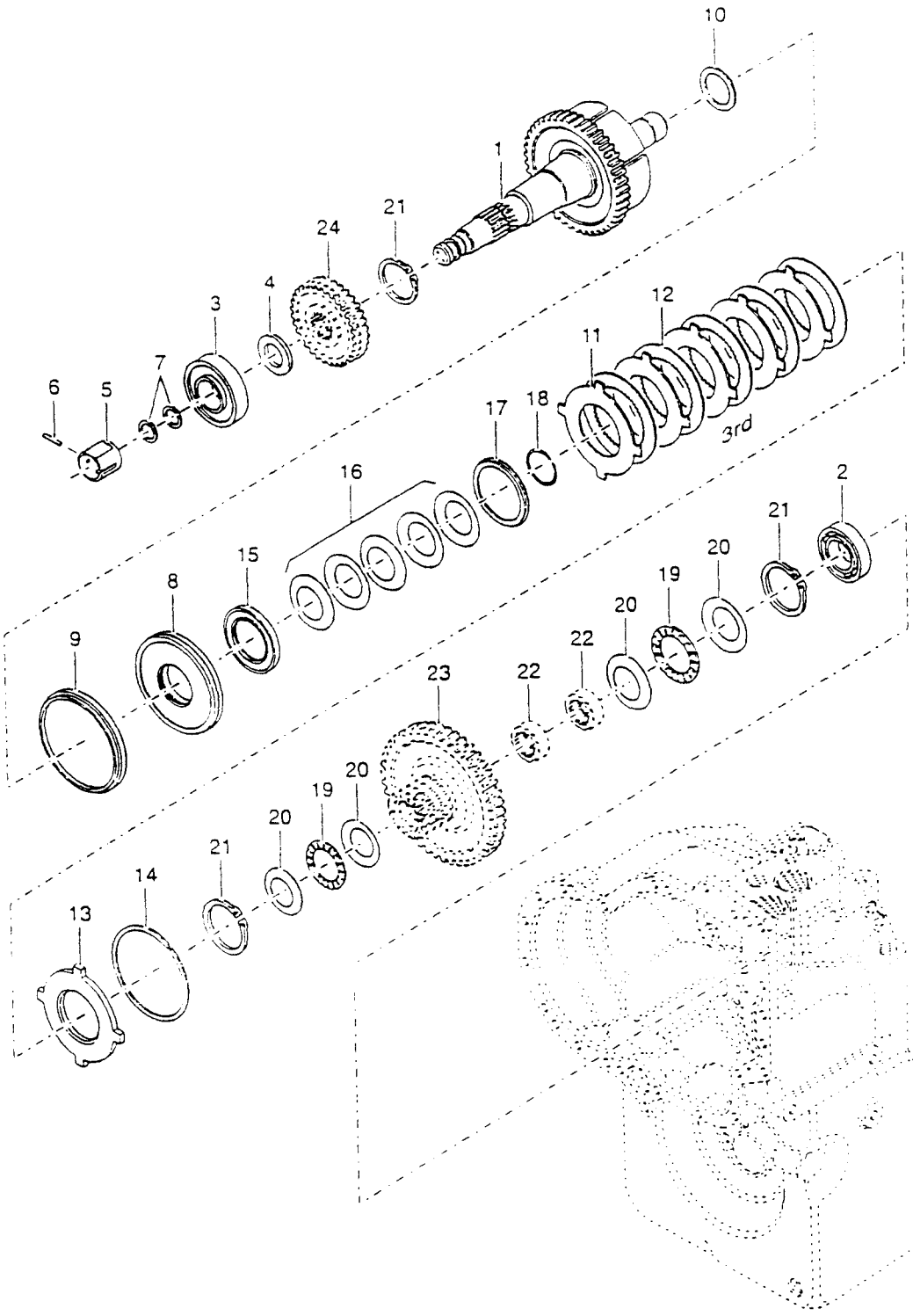


8	PAGE NUMBER	FORWARD & REVERSE SHAFT GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1251

https://truckmanualshub.com/

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

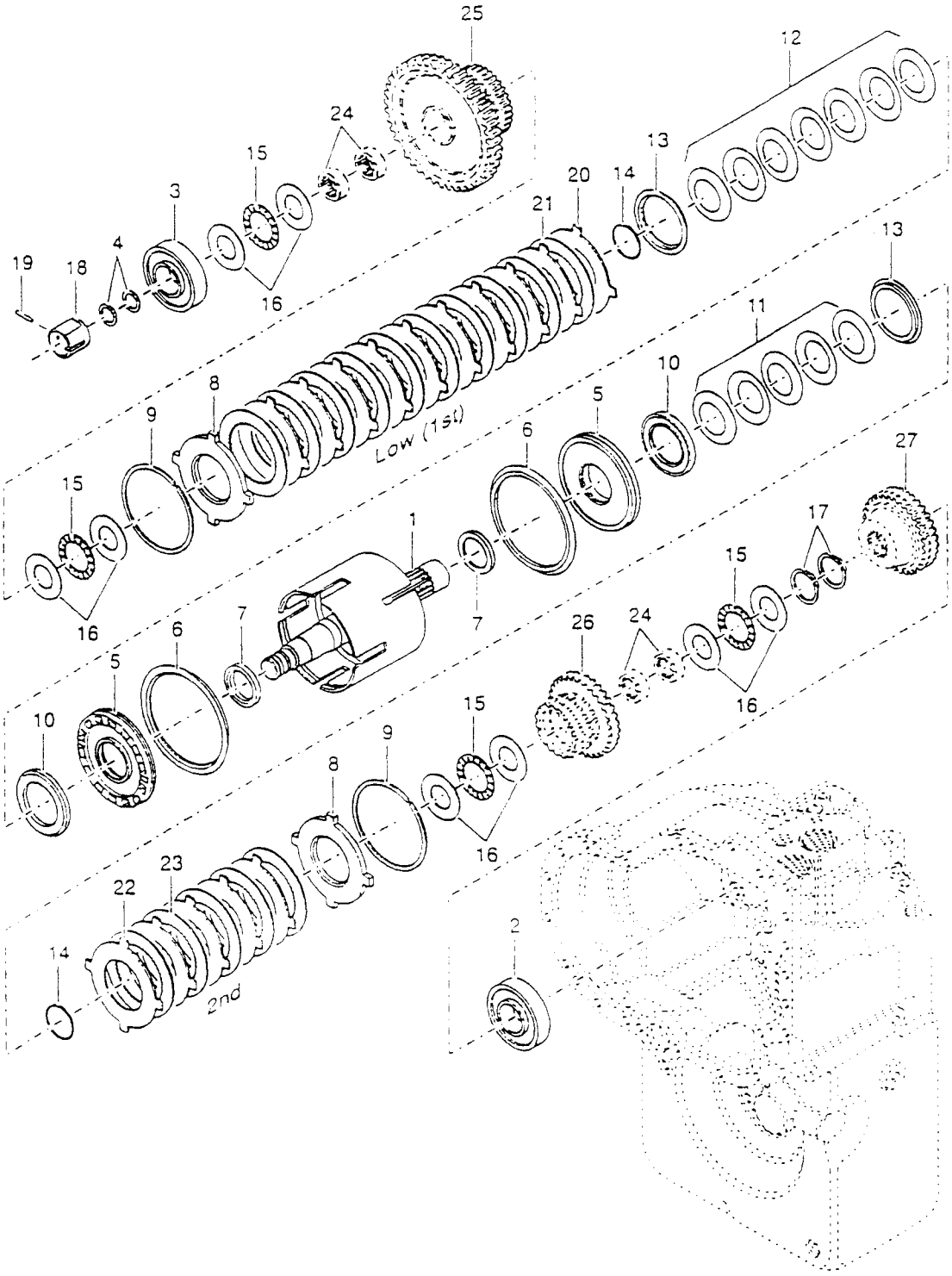
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

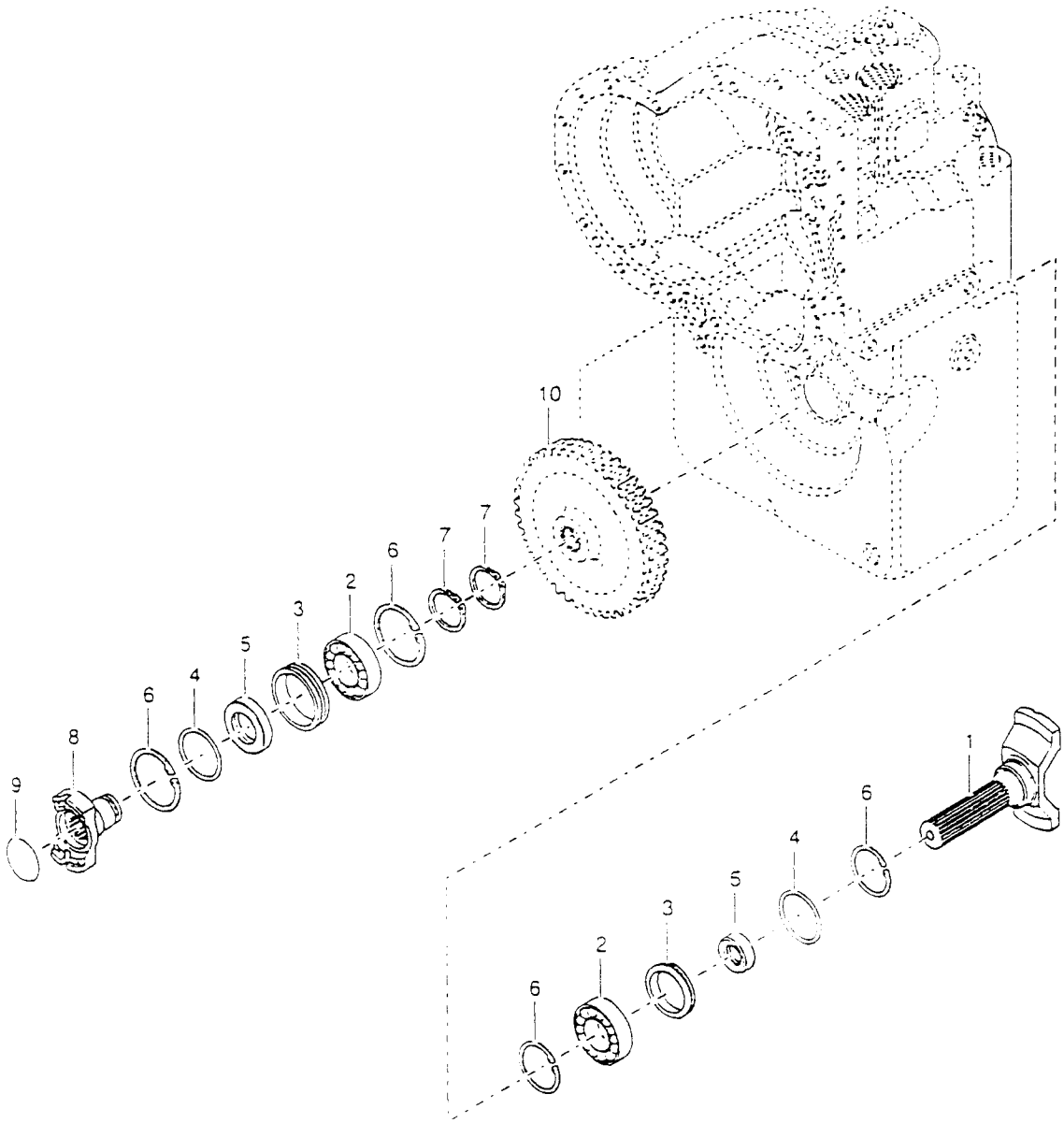


10 PAGE NUMBER	FIRST AND SECOND SHAFT GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER P1-1253

https://truckmanualshub.com/

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

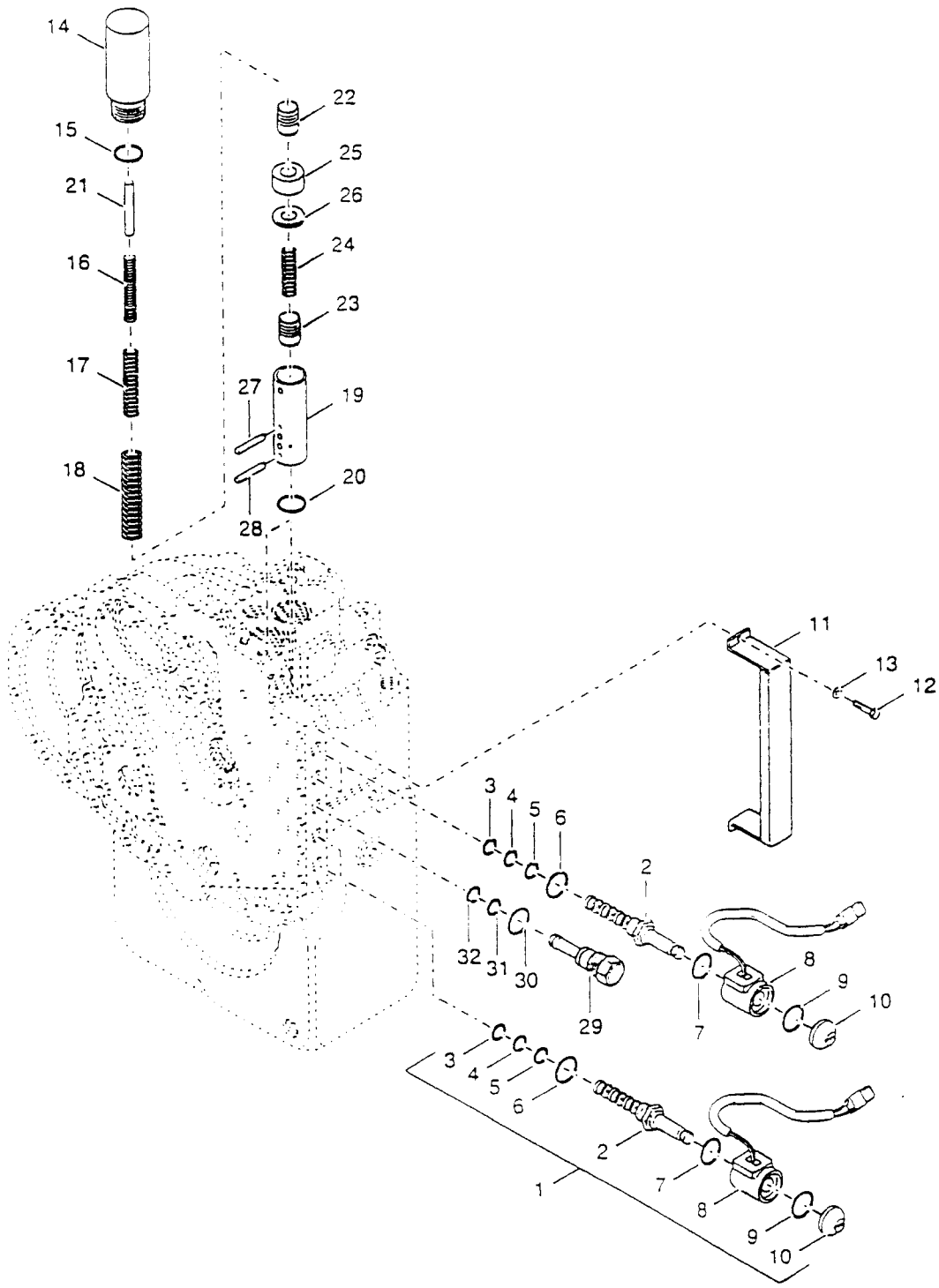
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

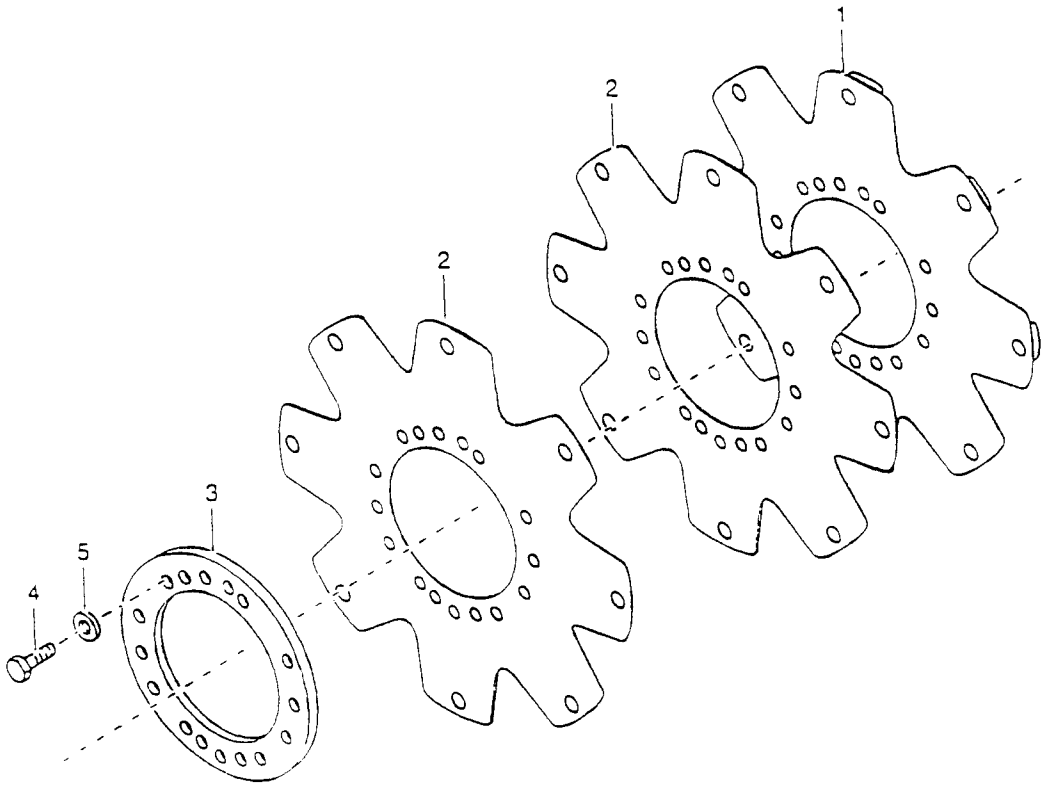


12	PAGE NUMBER	ELECTRIC CONTROL GROUP T12000 SERIES TRANSMISSION	DRAWING NUMBER	P1-1255

https://truckmanualshub.com/

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

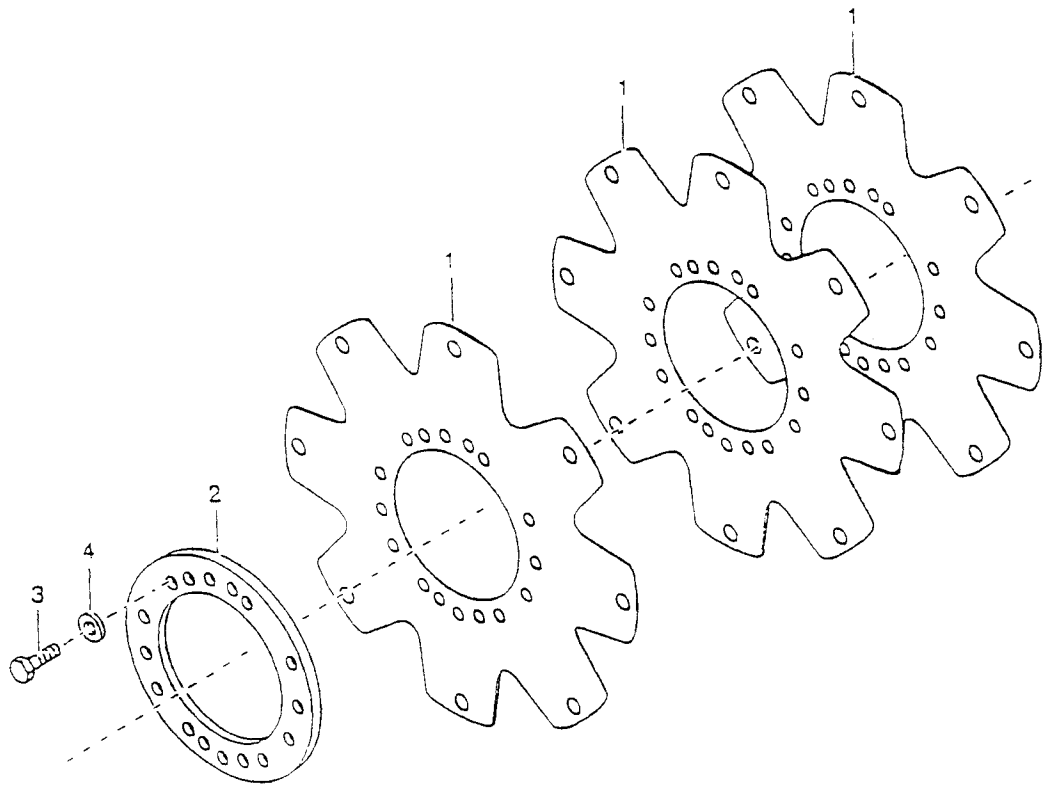
https://truckmanualshub.com/



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

N.S.S. = NOT SOLD SEPARATELY

https://truckmanualshub.com/

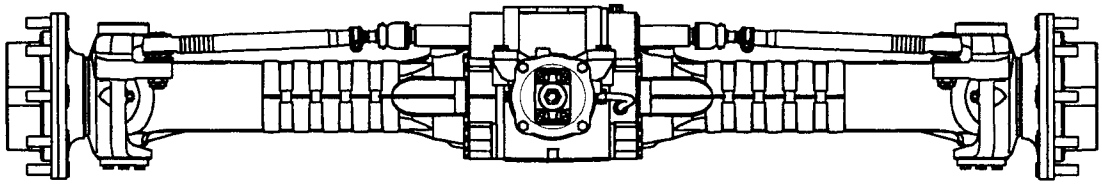


ITEM	NUMBER	DESCRIPTION	REQD
1	N.S.S.	DRIVE PLATE	3
2	7-126-60	DRIVE PLATE BACKING RING	1
3	7-126-516	SCREW	6
4	7-126-54	LOCKWASHER	6
5	7-126-692	DRIVE PLATE KIT (INCLUDES ITEMS 1-4)	1

N.S.S. = NOT SOLD SEPARATELY

https://truckmanualshub.com/

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

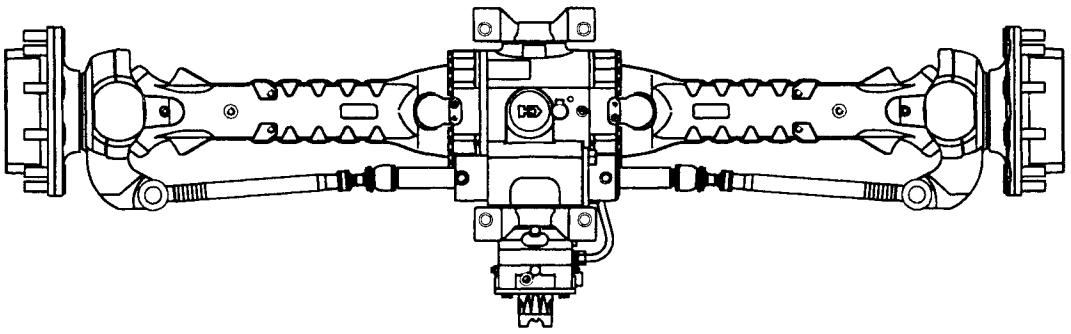
TEREX HANDLERS
455 N. Superior Ave., Baraga, MI 49908-0248
PH: (906) 353-6675; FAX: (906) 353-7543
INTERNET: http://www.sqshooter.com

https://truckmanualshub.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.

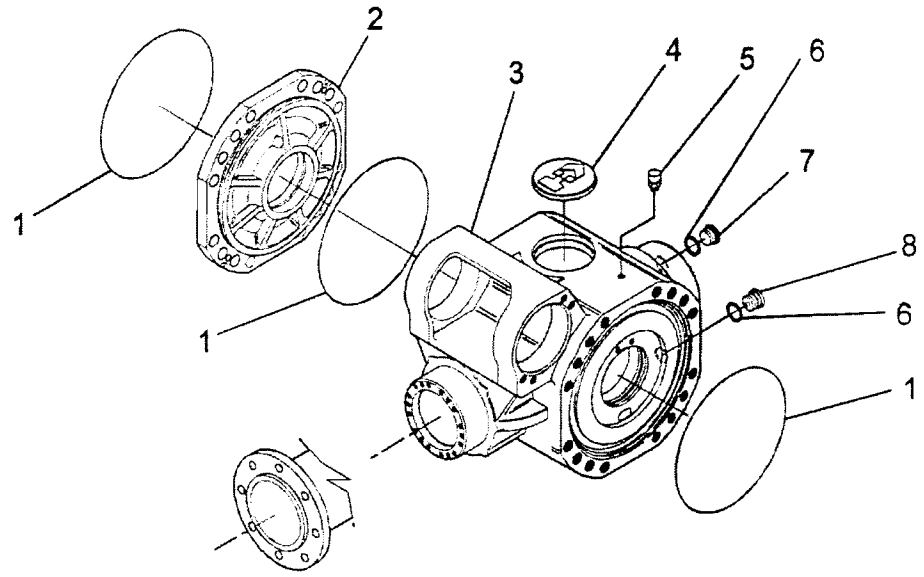


https://truckmanualshub.com/

INDEX

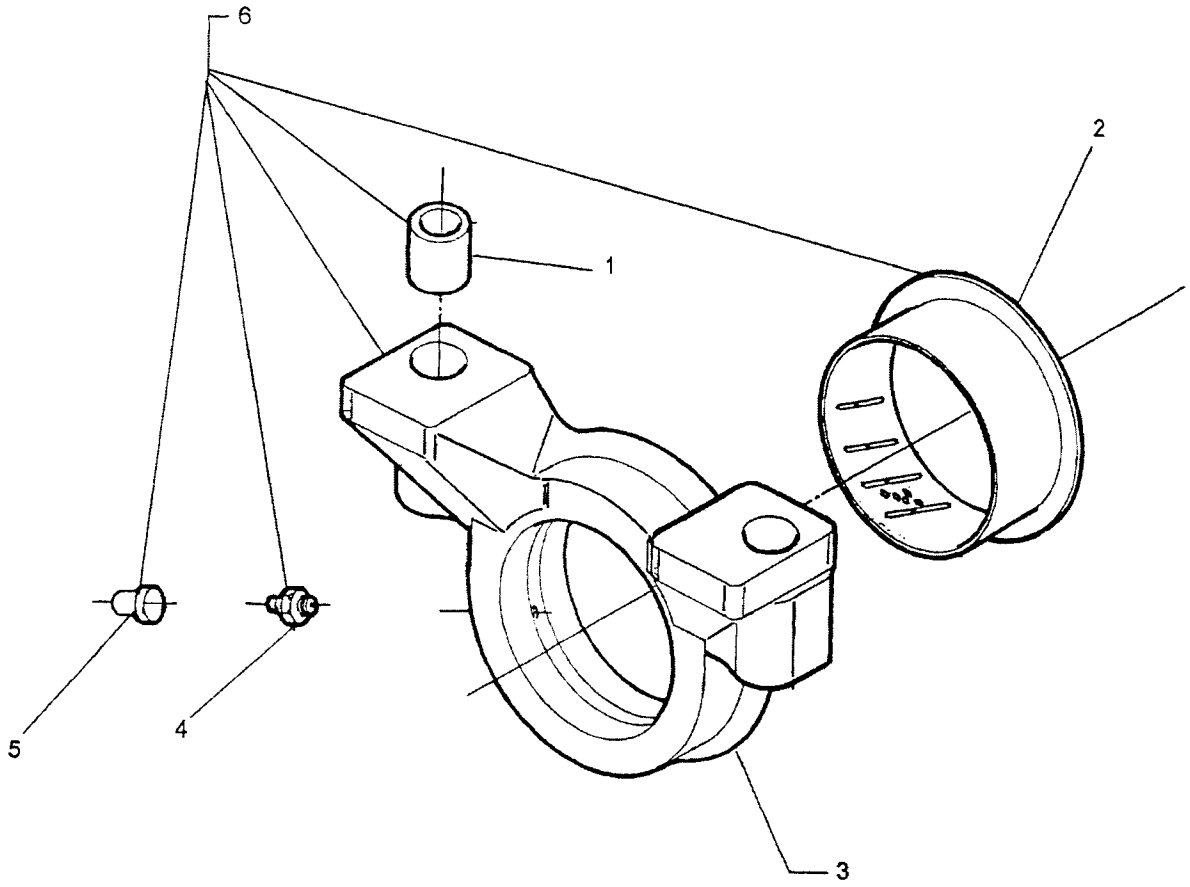
PAGE	DESCRIPTION	DRAWING
1	GEAR BOX & COVERS	P1-1395
2	TRUNNION MOUNT ASSEMBLY	P1-1258
3	DIFFERENTIAL ASSEMBLY	P1-1396
4	STEERING AXLE ASSEMBLY	P1-1297
5	DISC BRAKE ASSEMBLY	P1-1267
6	PARKING BRAKE ASSEMBLY	P1-1298
7	STEERING ARMS ASSEMBLY	P1-1268
8	STEERING CYLINDER ASSEMBLY	P1-1269

https://truckmanualshub.com/



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

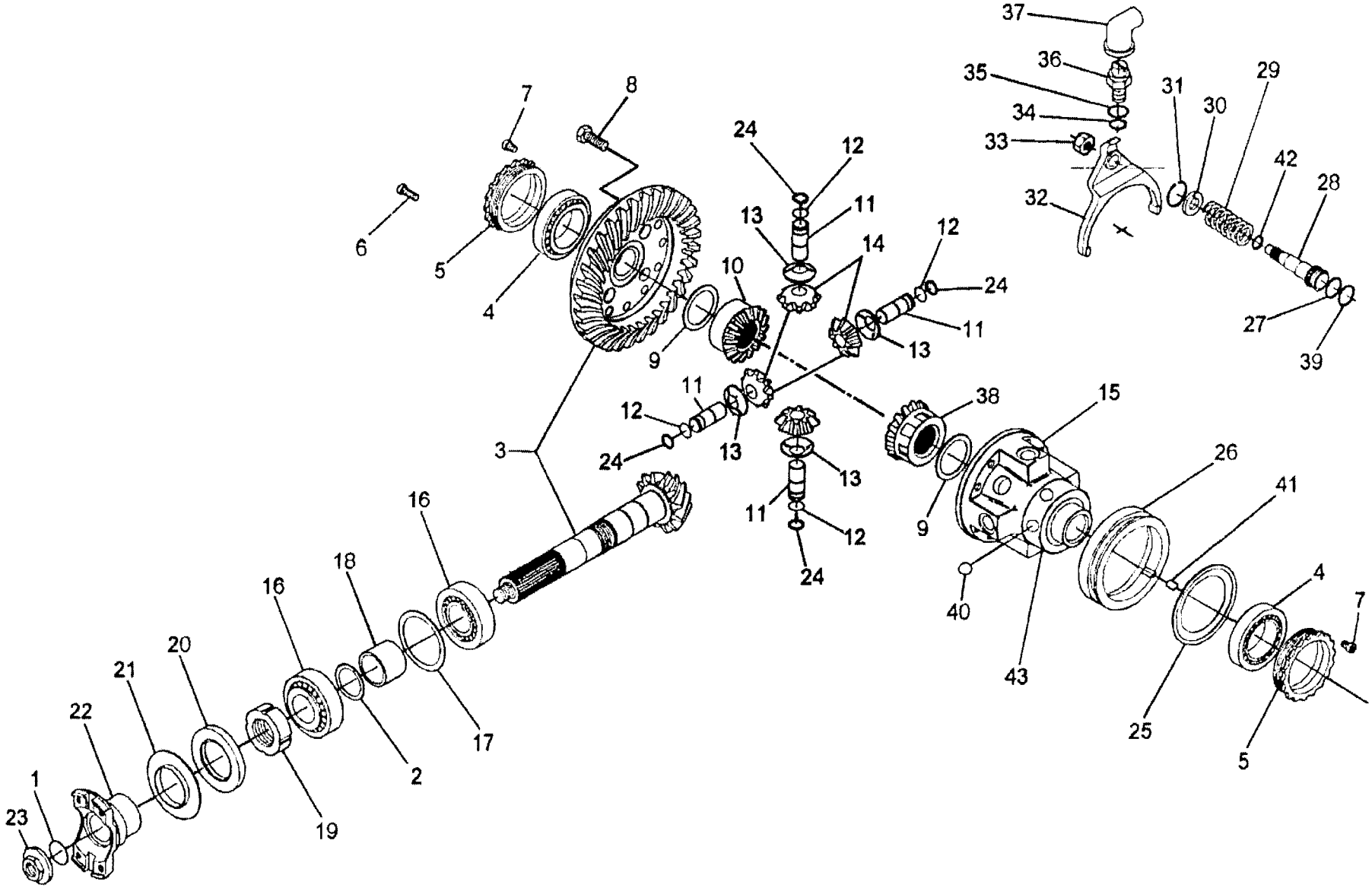
https://truckmanualshub.com/



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

https://truckmanualshub.com/

DIFFERENTIAL ASSEMBLY
TH636C-TH644C-TH842C-TH844C FRONT AXLE

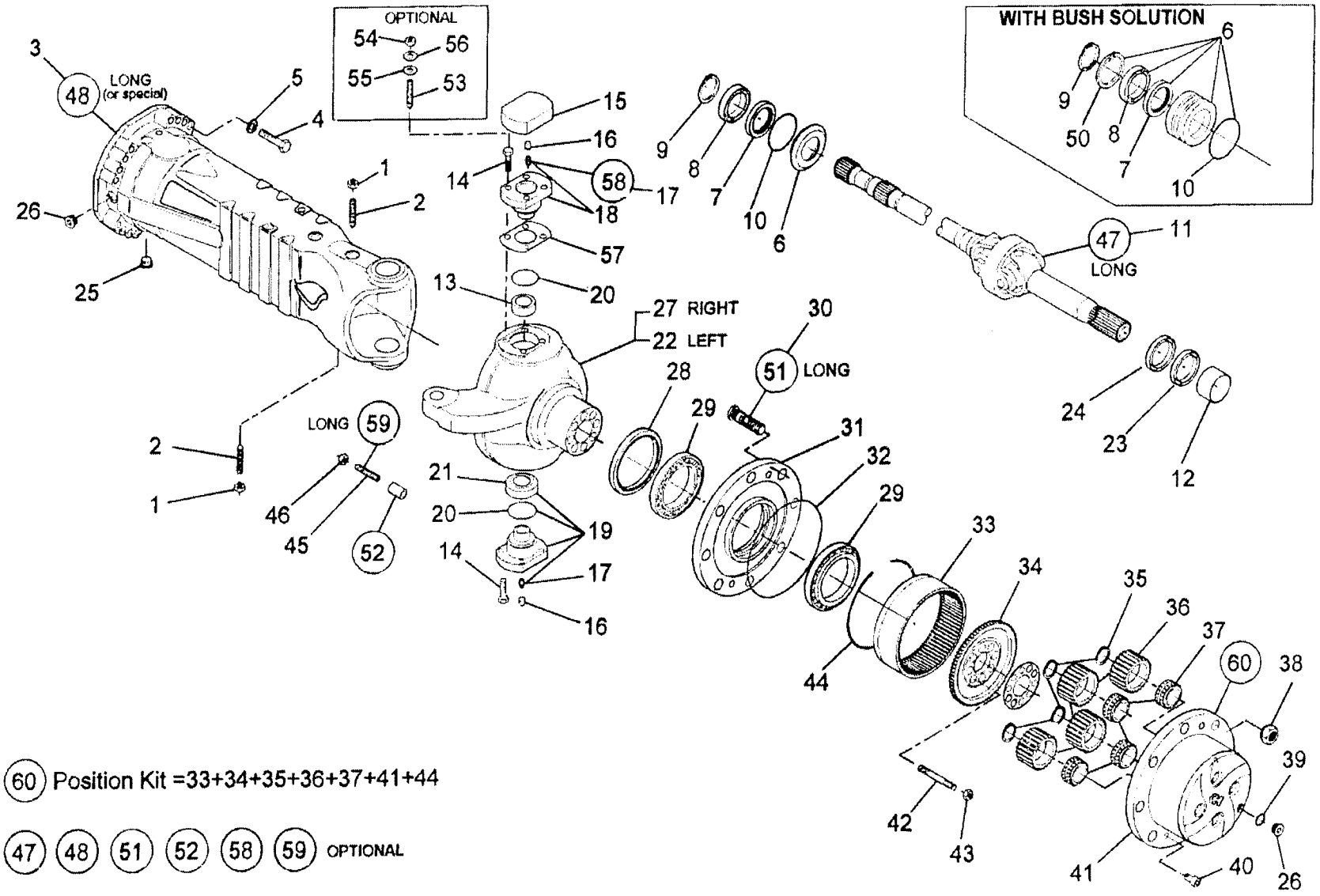


Position Kit N° 43 = 9+10+11+12+13+14+15+24+38

https://truckmanualshub.com/

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

https://truckmanualshub.com/



https://truckmanualshub.com/

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

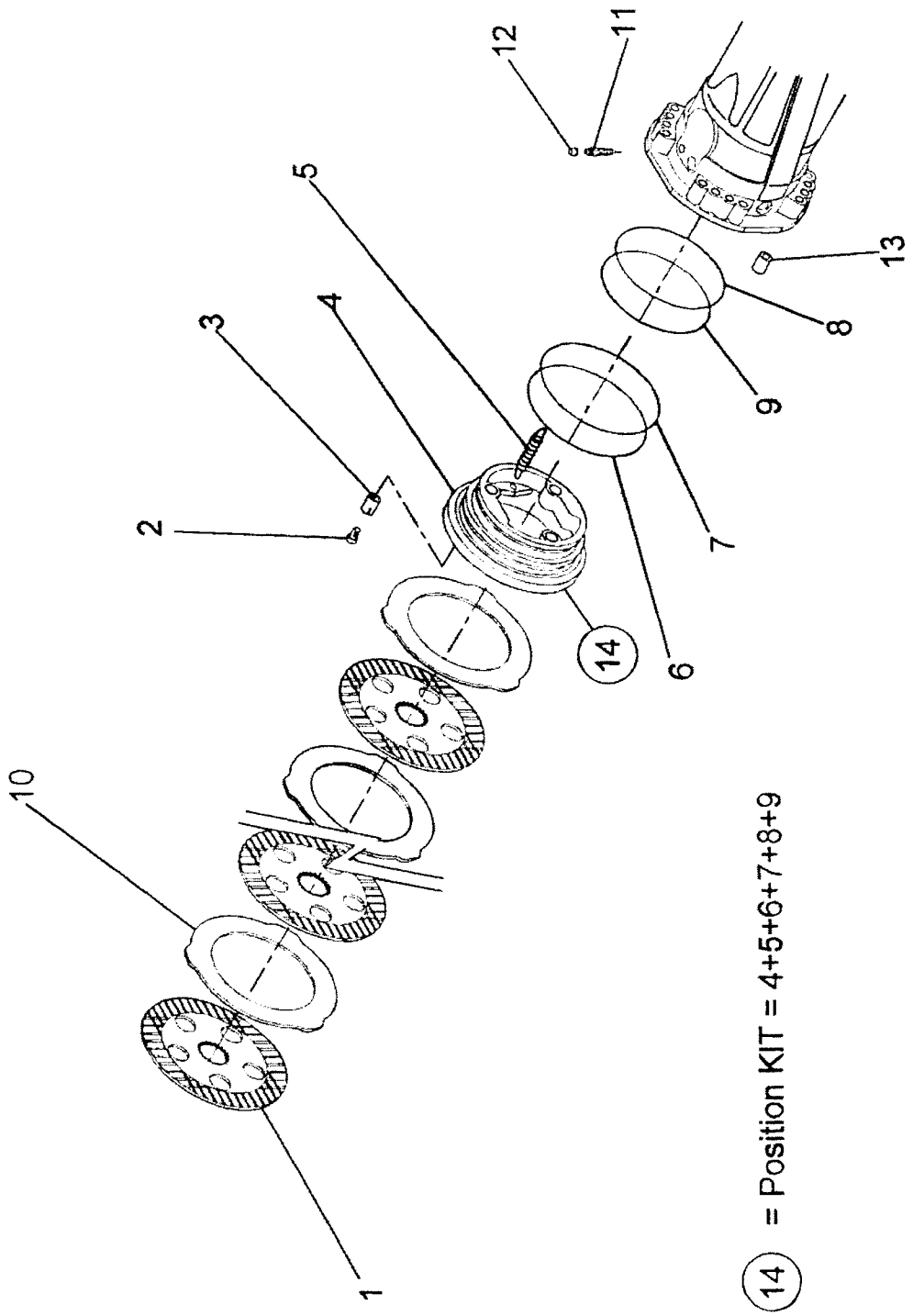
https://truckmanualshub.com/

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

https://truckmanualshub.com/

NOTES

https://truckmanualshub.com/

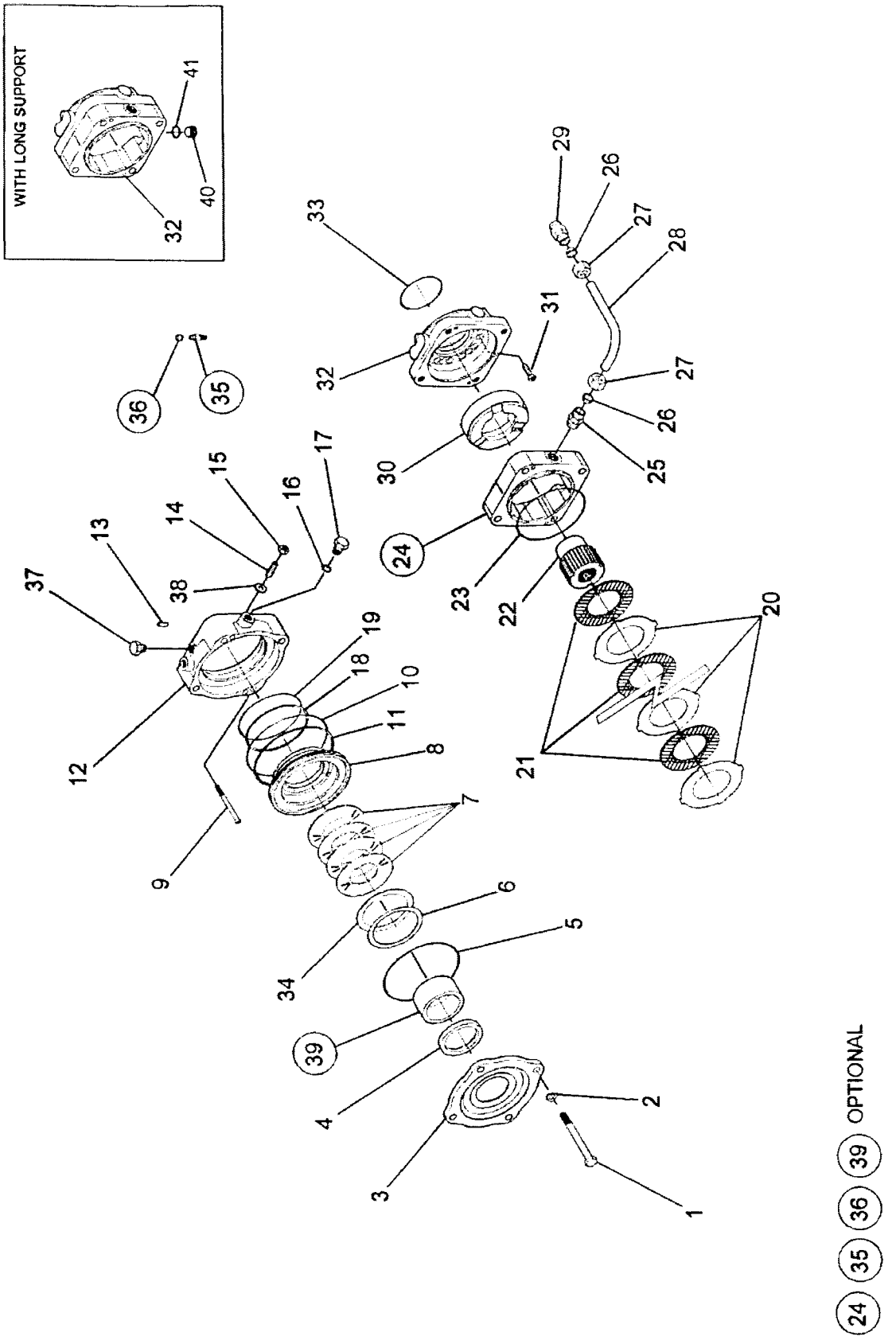


5 PAGE NUMBER	DISC BRAKE ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER P1-1267

https://truckmanualshub.com/

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

https://truckmanualshub.com/

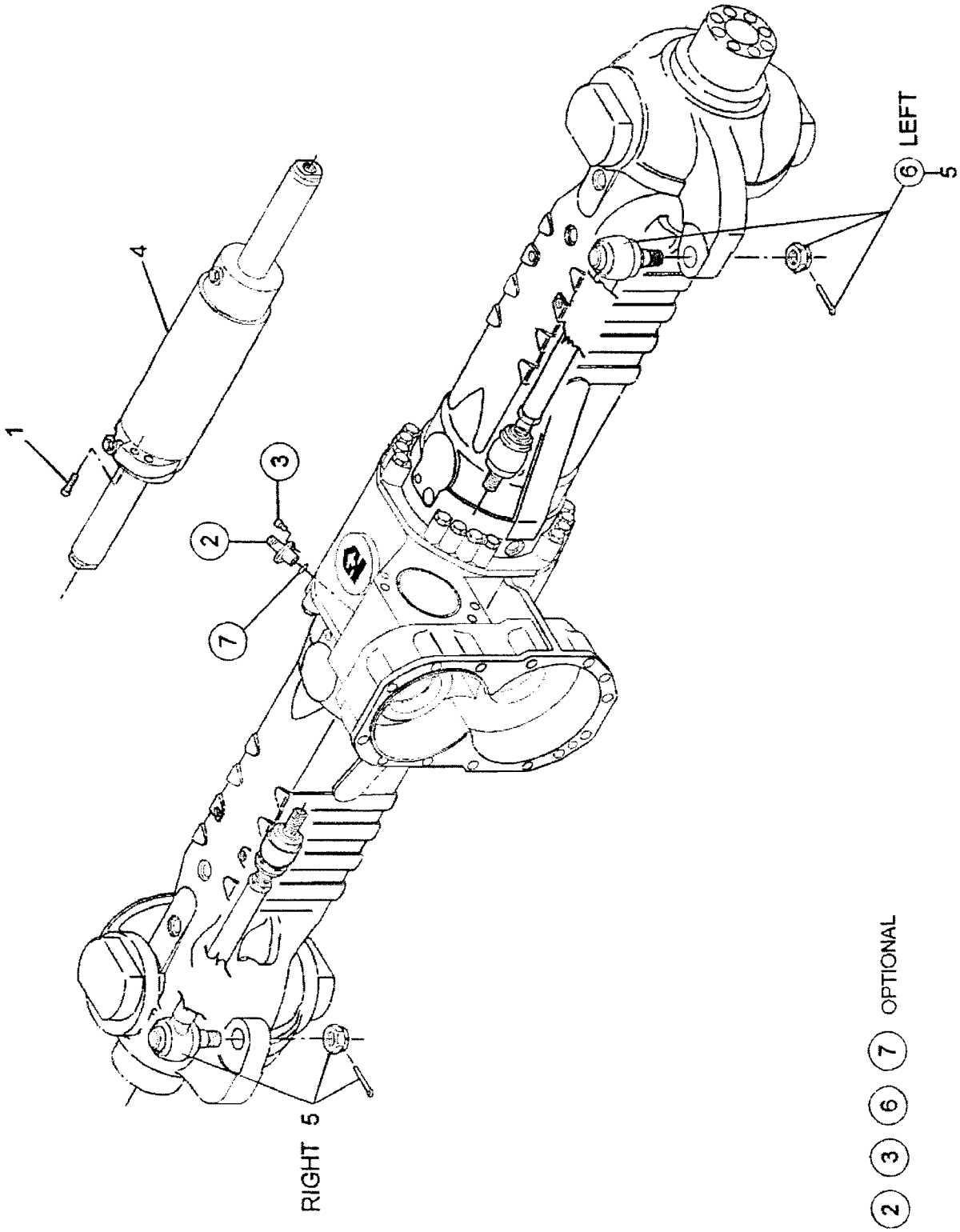


6	PAGE NUMBER	PARKING BRAKE ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER	P1-1298

https://truckmanualshub.com/

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

https://truckmanualshub.com/

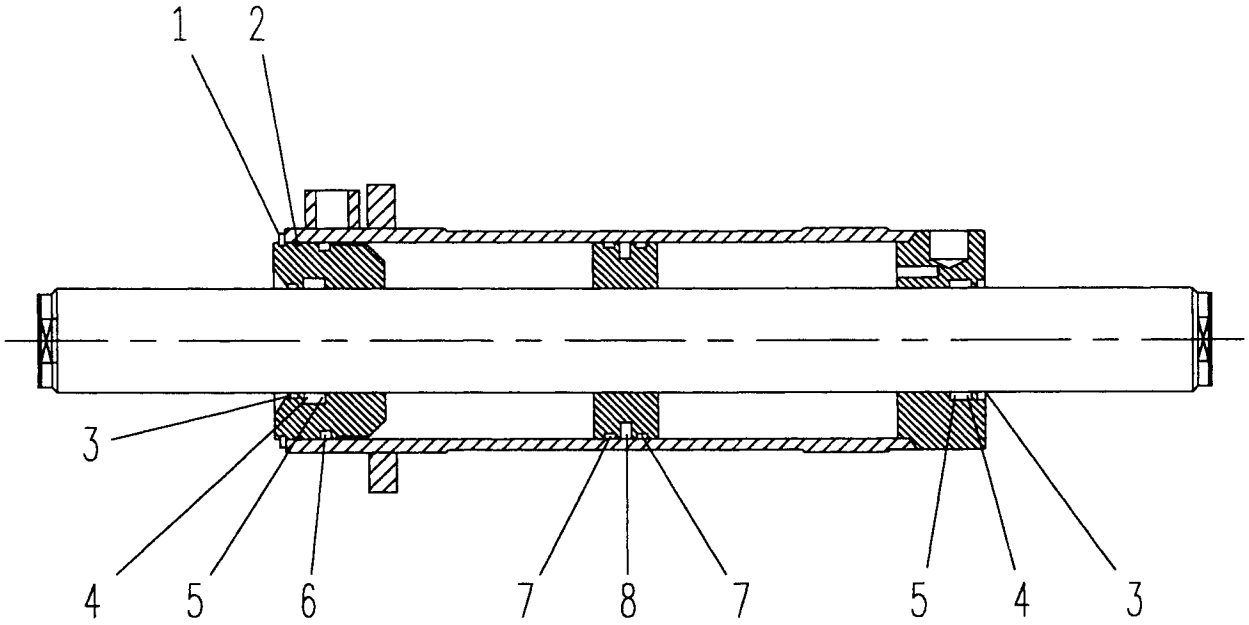


7	PAGE NUMBER	STEERING ARMS ASSEMBLY SS-842C FRONT AXLE	DRAWING NUMBER	P1-1268

https://truckmanualshub.com/

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

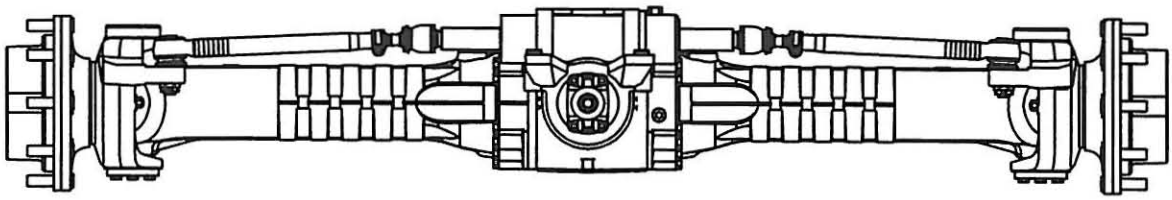
https://truckmanualshub.com/



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

https://truckmanualshub.com/

REAR AXLE
PARTS BOOK
TH636C TH644C TH842C TH844C



DATE: 9-7-99

SPICER CLARK-HURTH 212/184 AXLE

7-229-619 STEERING CYLINDER

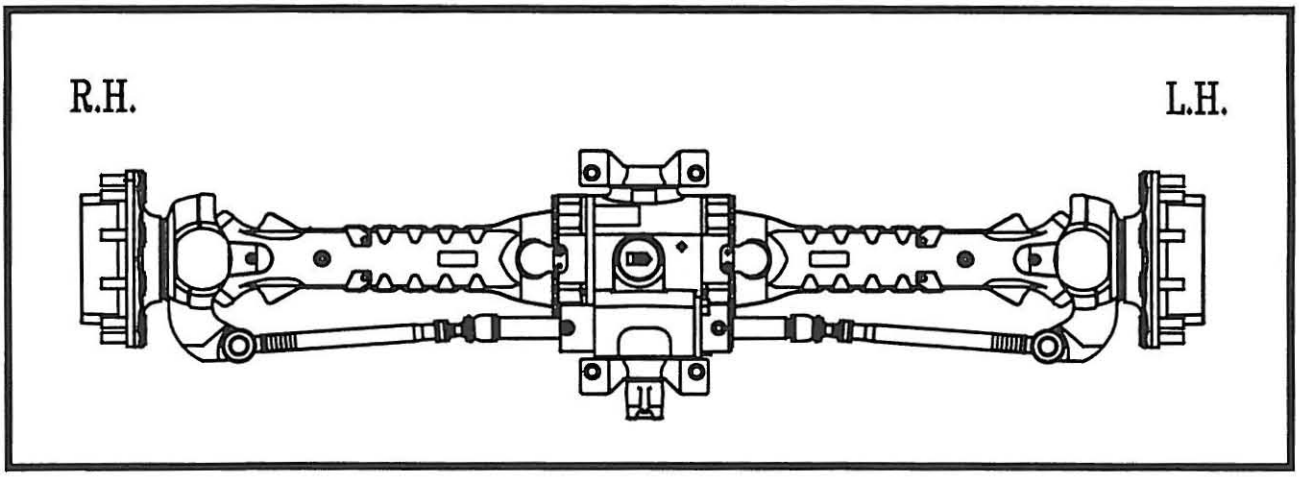
TEREX HANDLERS
455 N. Superior Ave., Baraga, MI 49908-0248
PH: (906) 353-6675; FAX: (906) 353-7543
INTERNET: http://www.sqshooter.com

https://truckmanualshub.com/

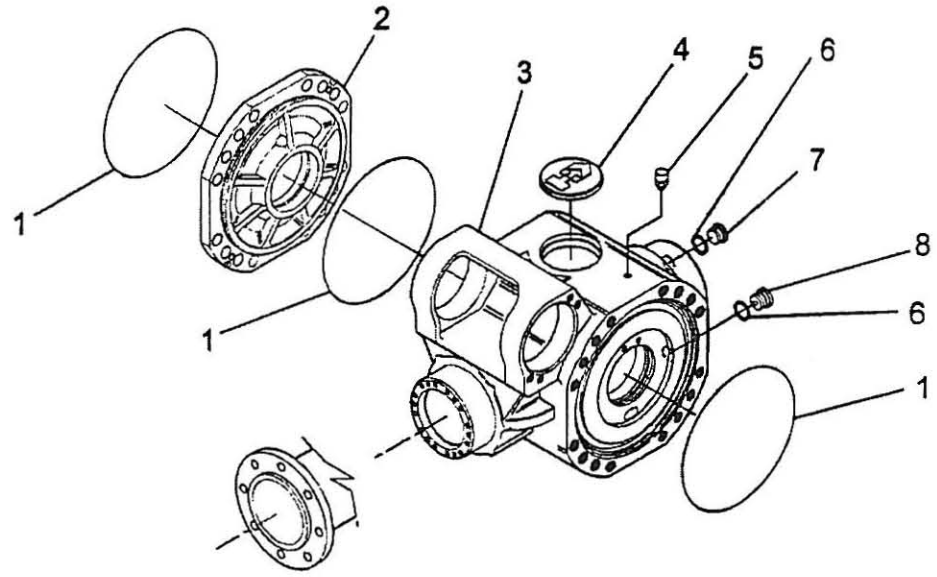
https://truckmanualshub.com/

AXLE PARTS ORDERING GUIDE

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

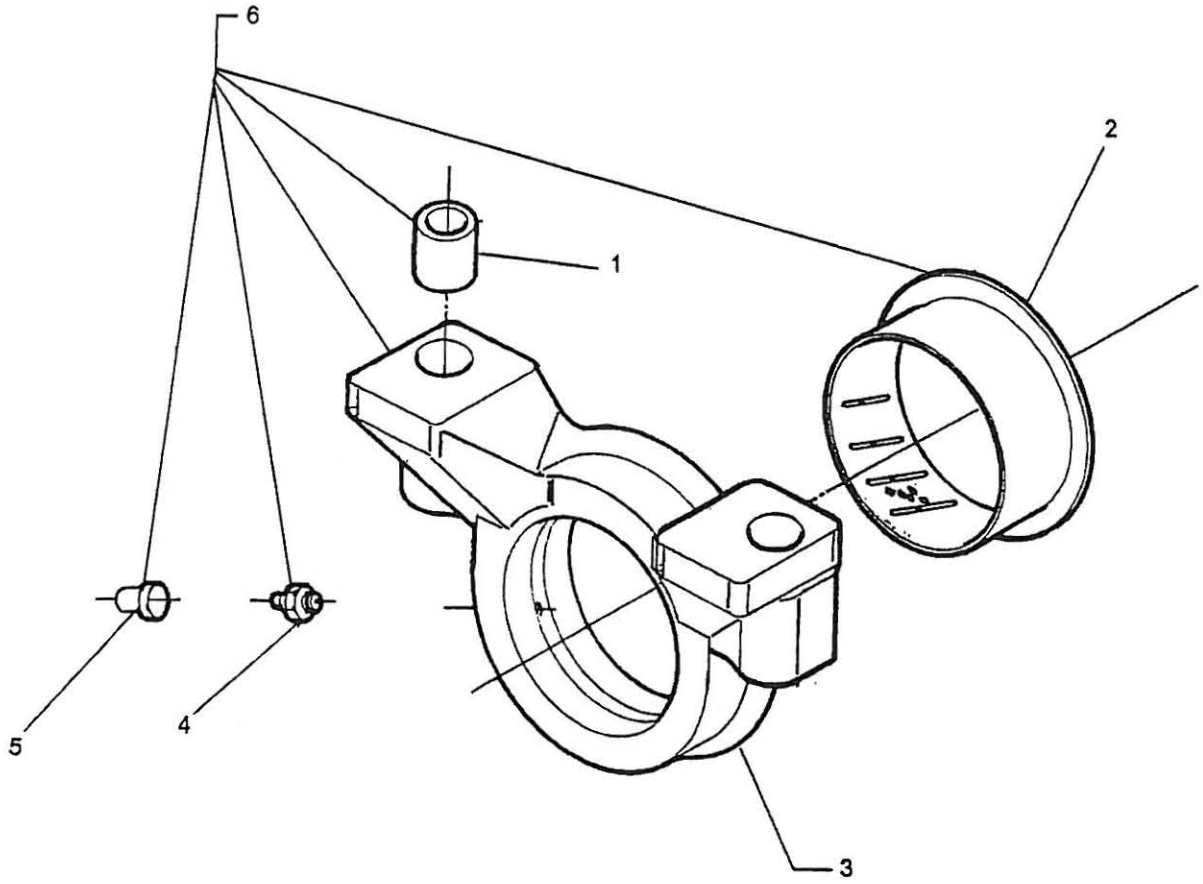


https://truckmanualshub.com/



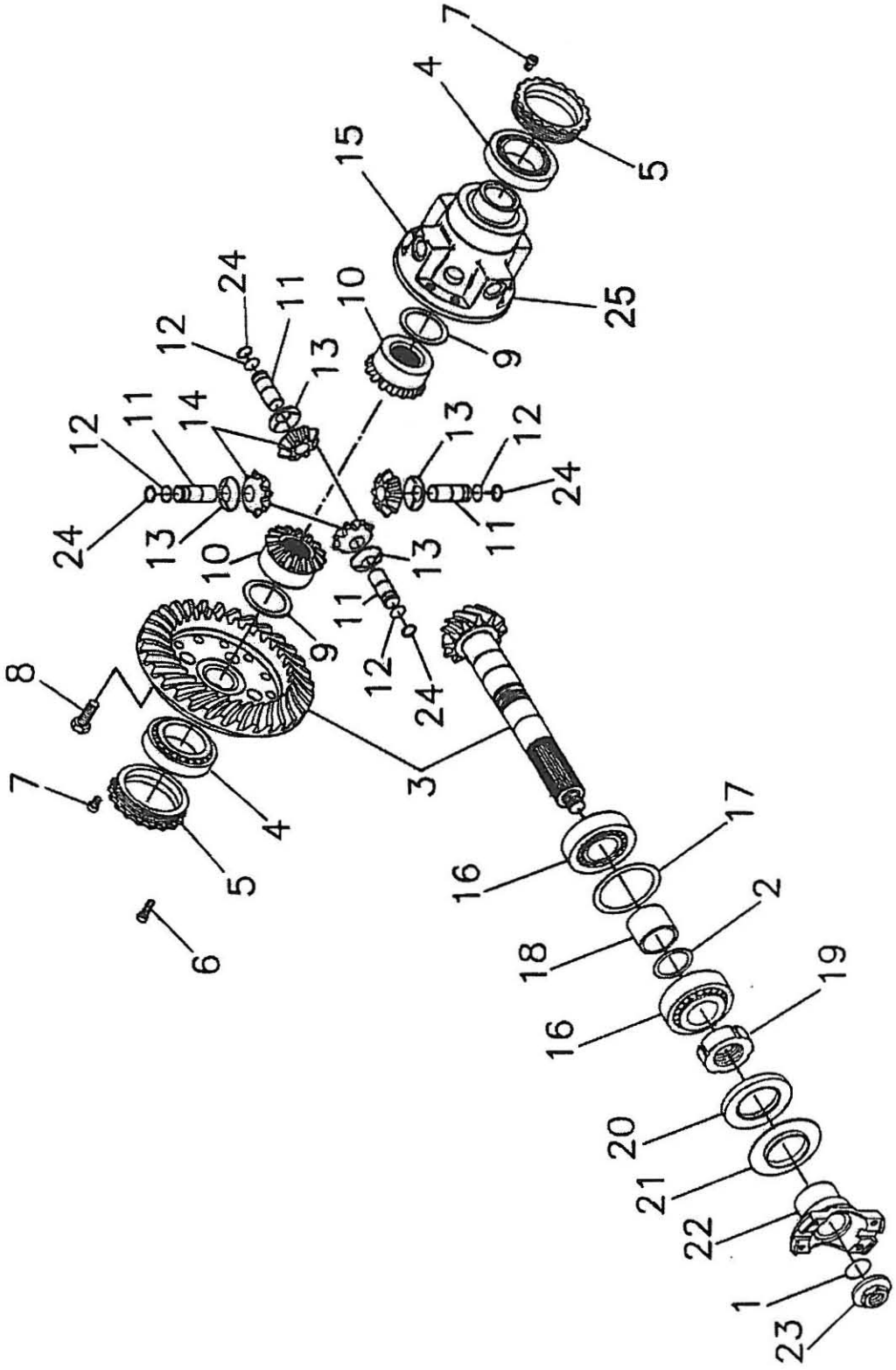
ITEM	NUMBER	DESCRIPTION	REQD
1	7-229-520	O-RING	3
2	7-229-521	INTERMEDIATE COVER	1
3	7-229-522	HOUSING	1
4	7-229-523	PLUG	1
5	7-229-524	VENT	1
6	7-229-525	SEAL WASHER	2
7	7-229-526	PLUG	1
8	7-229-527	MAGNETIC PLUG	1

https://truckmanualshub.com/



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

https://truckmanualshub.com/

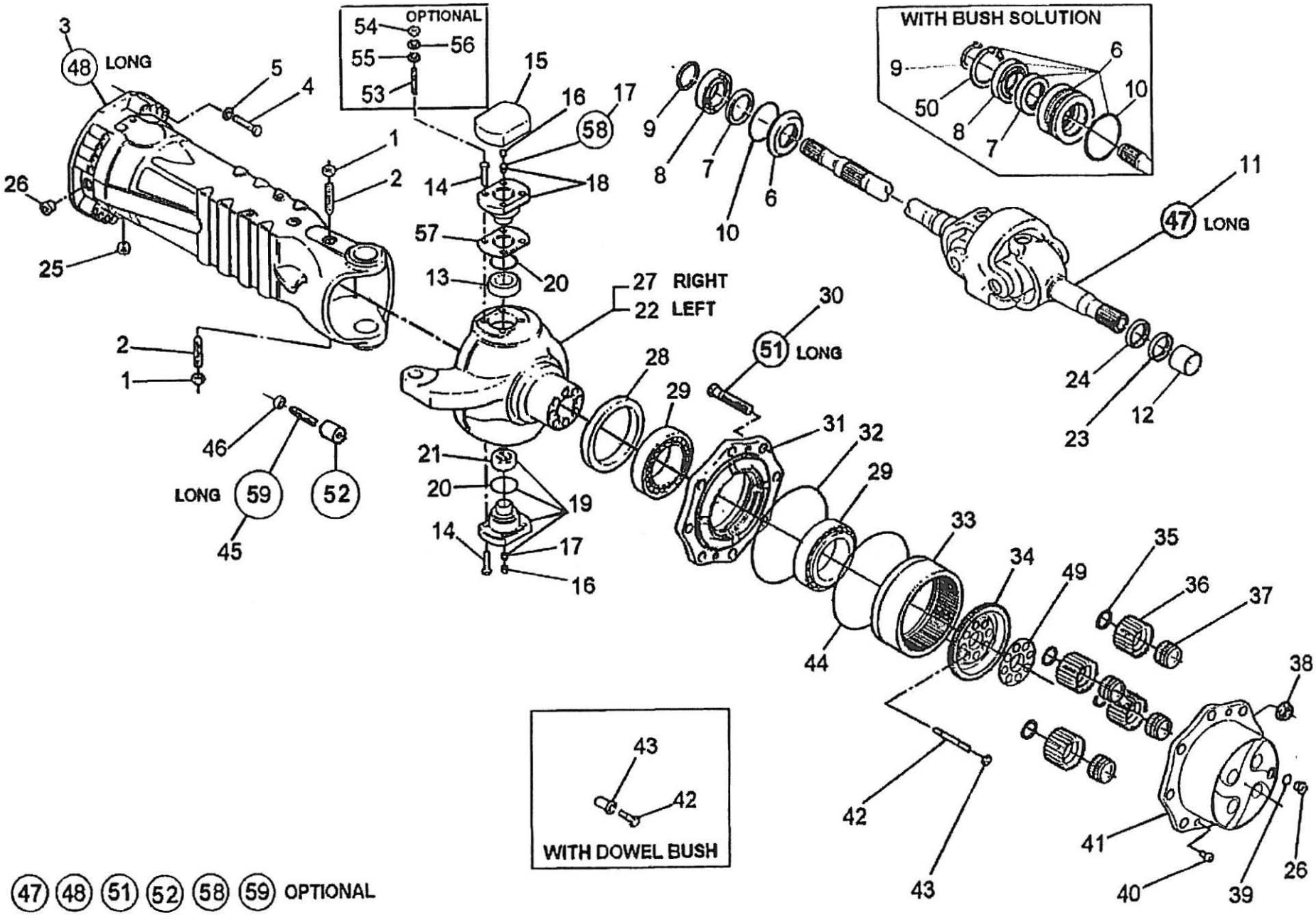


3	PAGE NUMBER	DIFFERENTIAL ASSEMBLY SS-636C, SS-644C, & SS-842C REAR AXLE	DRAWING NUMBER	P1-1259

https://truckmanualshub.com/

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

https://truckmanualshub.com/



https://truckmanualshub.com/

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

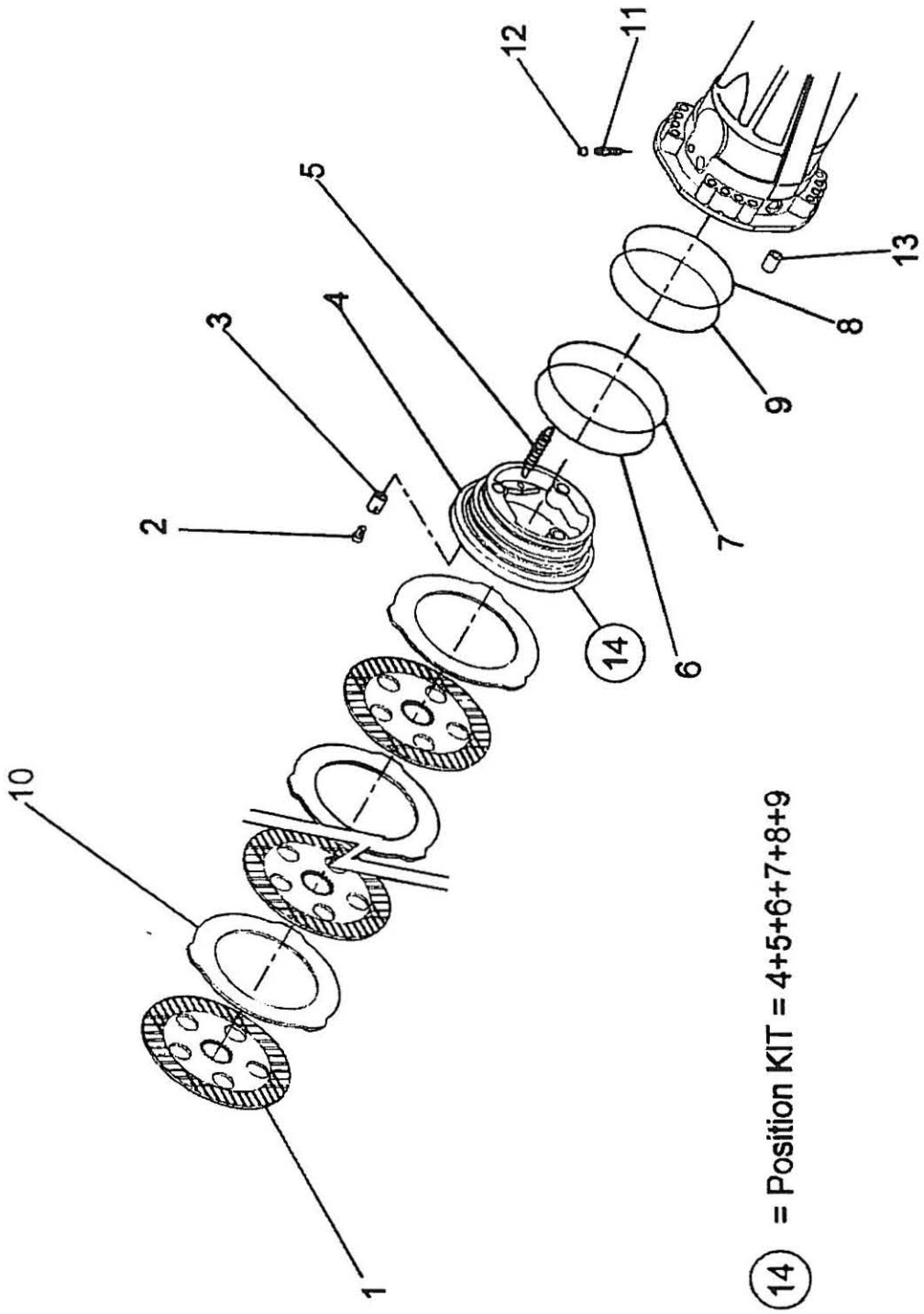
https://truckmanualshub.com/

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

https://truckmanualshub.com/

NOTES

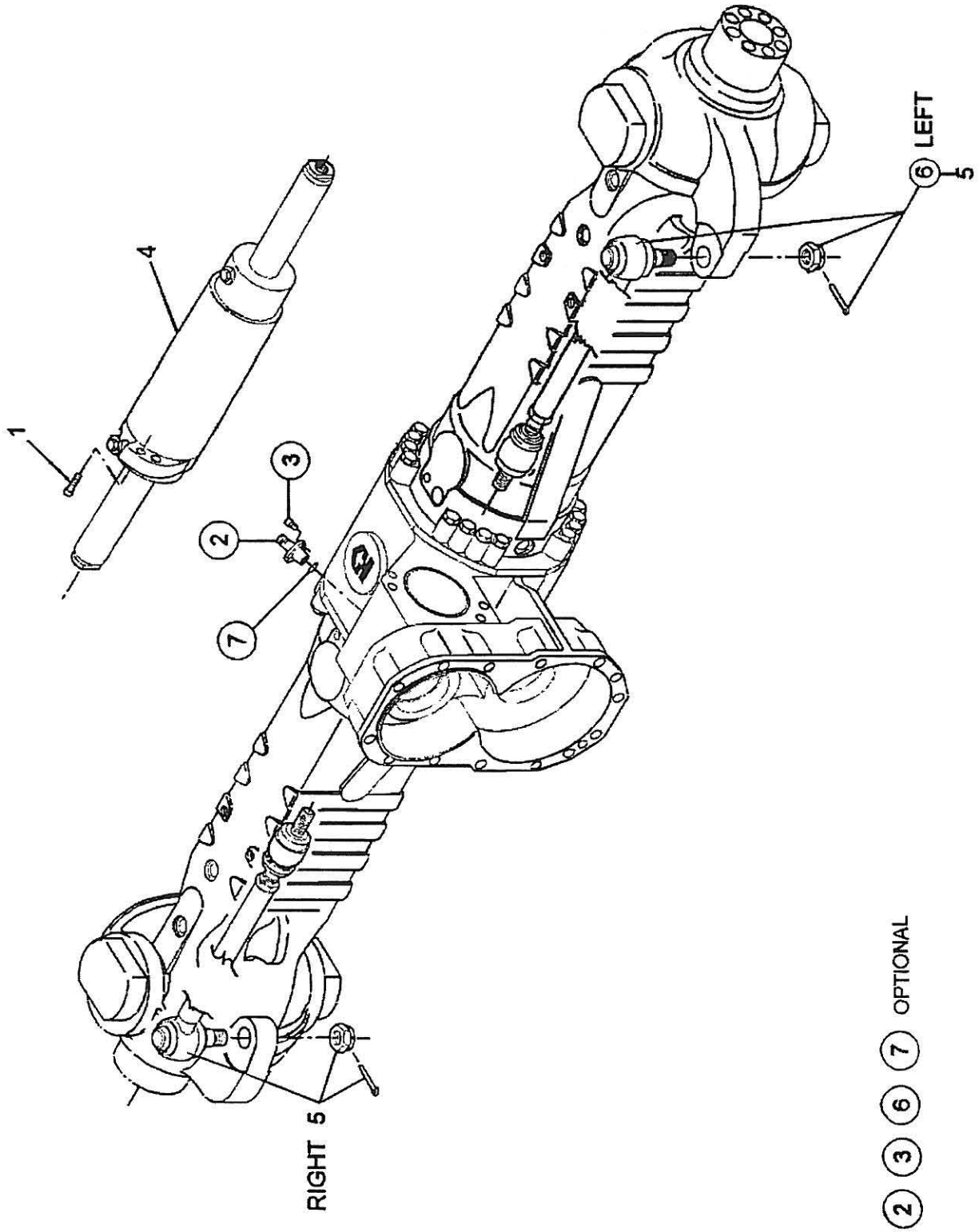
https://truckmanualshub.com/



https://truckmanualshub.com/

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

https://truckmanualshub.com/

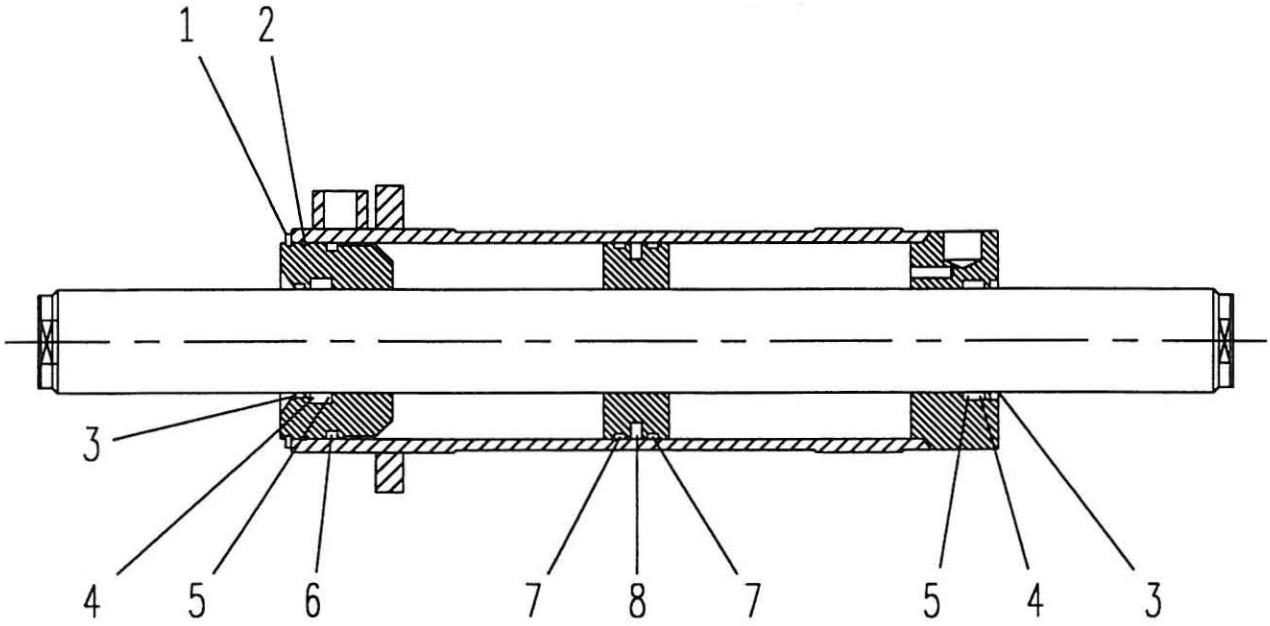


6	PAGE NUMBER	STEERING ARMS ASSEMBLY SS-636C, SS-644C, & SS-842C REAR AXLE	DRAWING NUMBER	P1-1268

https://truckmanualshub.com/

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

https://truckmanualshub.com/



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

https://truckmanualshub.com/

https://truckmanualshub.com/