

PARTS MANUAL

Starke EcoMaxx Series

ECO-FD100

Rev 11-2016



STARKE MATERIAL HANDLING GROUP

402 Allanburg Road • Thorold, ON L2V 1A4 • Canada

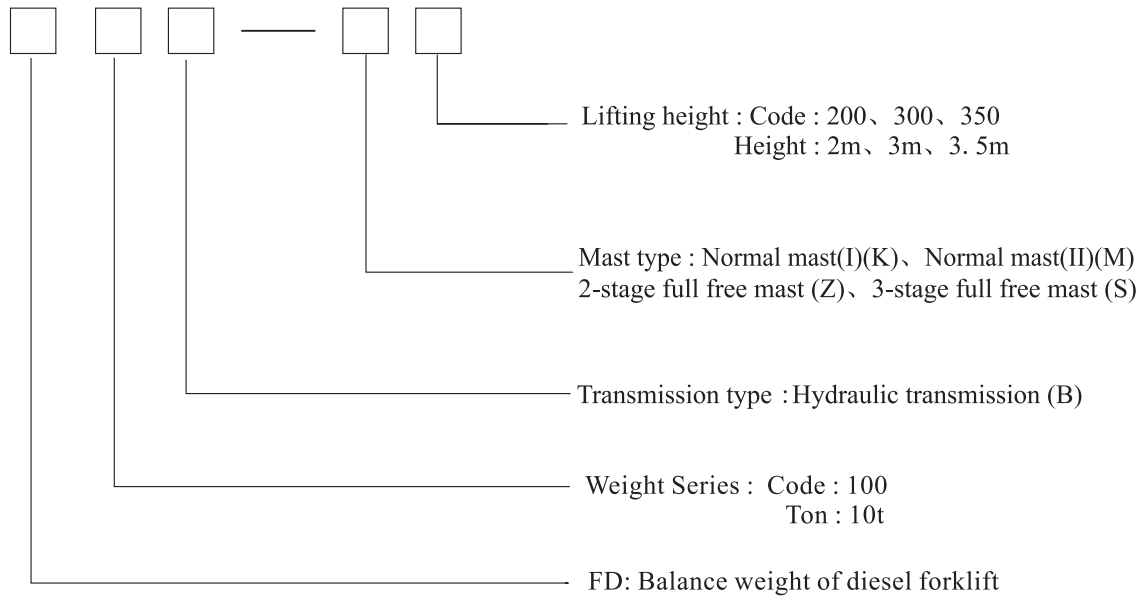
TOLL FREE 877-435-4352

www.starkeforklift.com • info@starkeforklift.com

STARKE
ECOMAXX

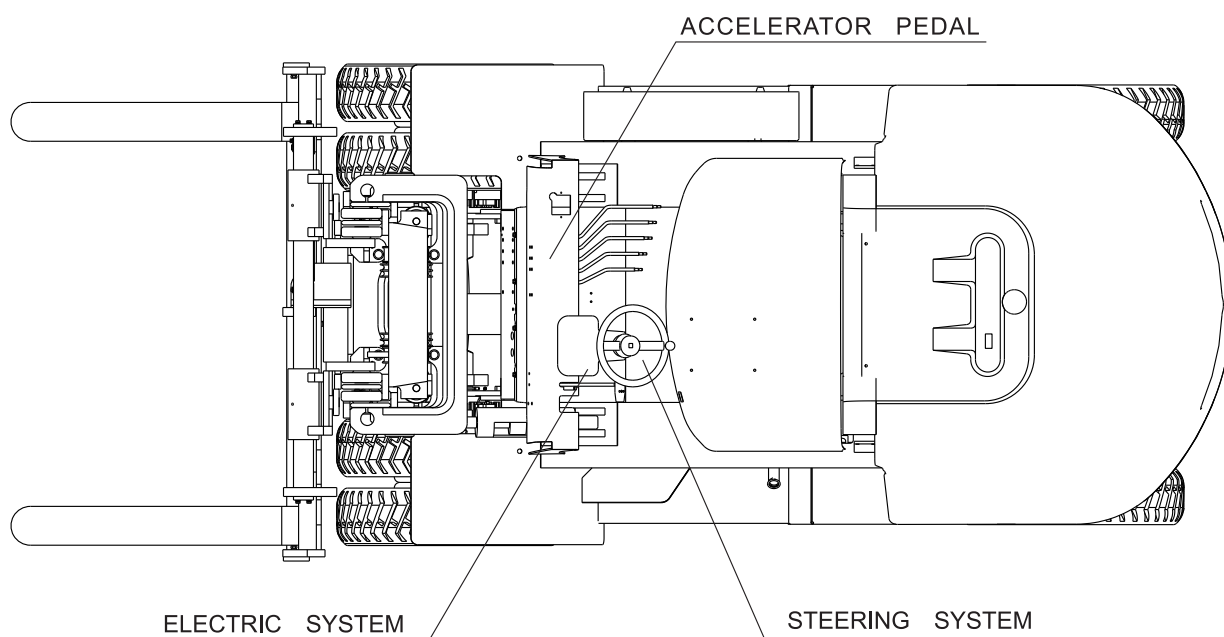
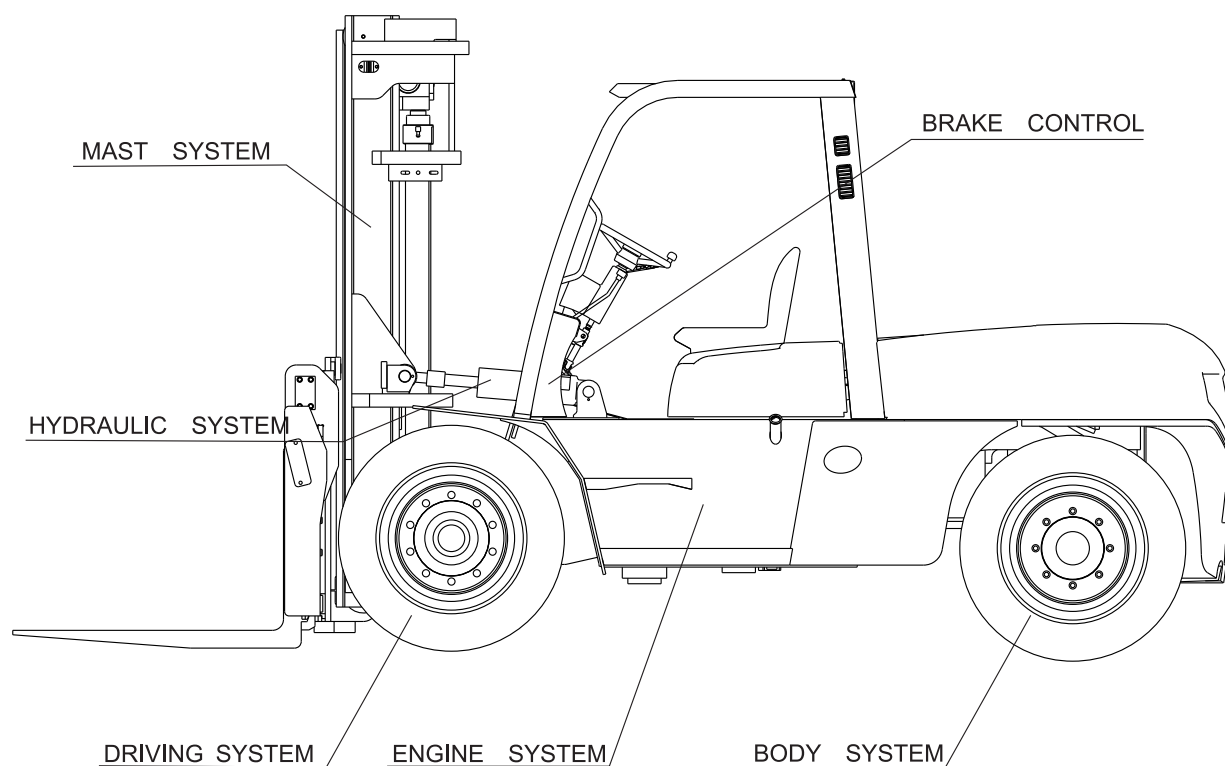
FOREWORD

1. This parts list is applied to the Starke Material Handling Group Fd100 forklift truck. It is intended for users to identify the name, number and quantity of the parts replaced or repaired and to order them from the suppliers works.
2. When ordering parts, it is necessary to state the model of the forklift truck, its date of manufacture and according to this Part List, to state the whole number, the whole name and quantity.
3. Among the models of the forklifts truck :



4. If there is any change, we will not notify.
5. Model application: Engine model and maximum capacity.
6. The following trucks are provided with corresponding engine.
FD100B-XC1/6110 engine FD100B-W3/6BG1 engine

GROUP INDEX



INDEX

1 Engine system

Engine mount	1-01
Air intake system	1-03
Coolling system	1-05
Fuel system	1-07
Exhaust system	1-09
Tor-con oil cooling system	1-13

2 Driving system

Reduction&Differential	2-01
Drive unit mount	2-05
Drive unit	2-07
Torque-converter (1/2)	2-09
Torque-converter (2/2)	2-11
Transmission (1/2)	2-13
Transmission (2/2)	2-17
Control valve ass'y	2-19
Charging pump	2-23
Hydraulic clutch I	2-25
Hydraulic clutch II	2-27
Parking brake ass'y	2-29
Drive axle	2-31
Drive wheel assembly	2-35
Wheel brake	2-37
Transmission control linkage	2-39

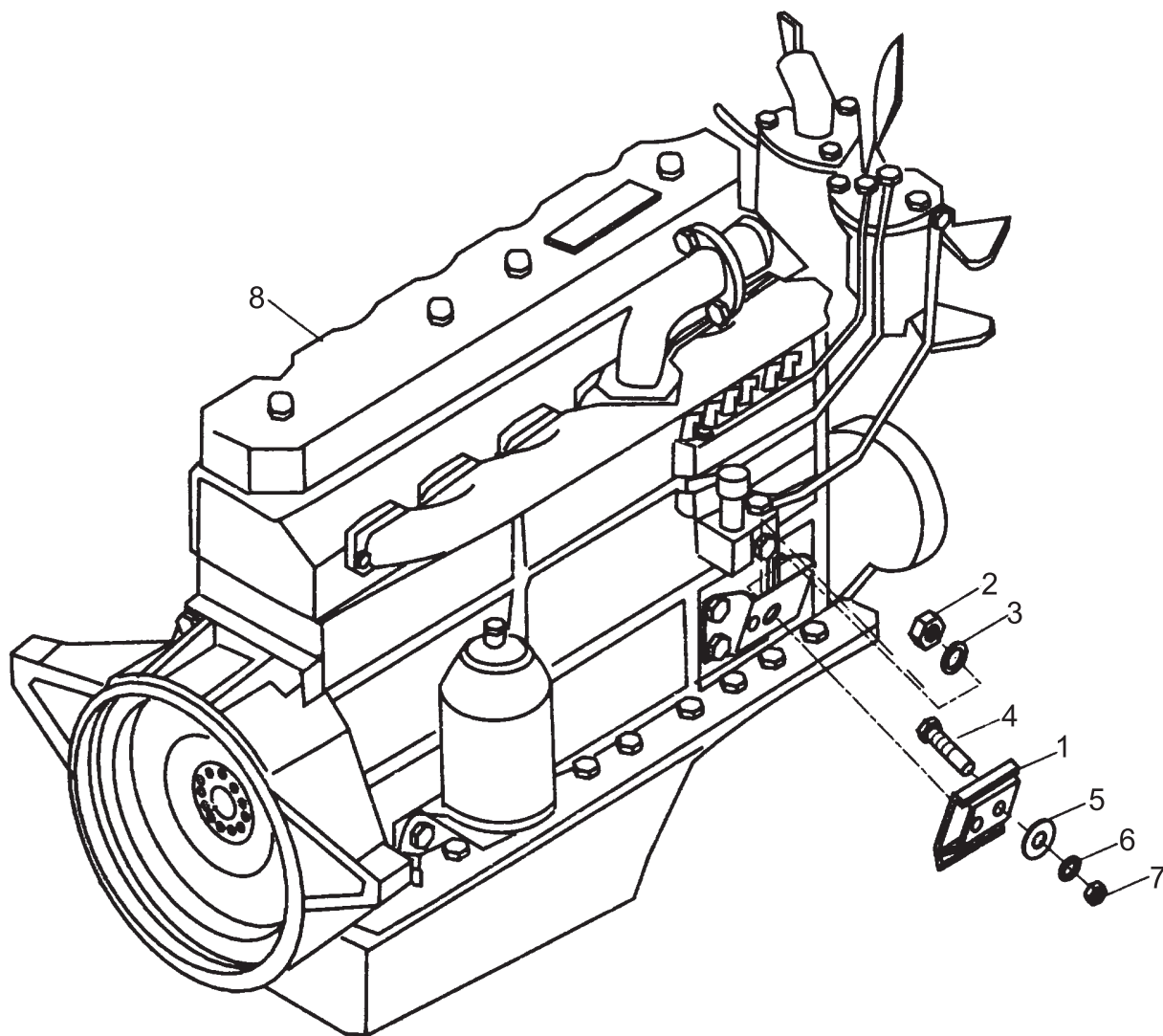
3 Steering system

Steering control	3-01
Steering axle	3-05
Steering wheel	3-09

Steering cylinder	3-11
4 Accelerator pedal	
Accelerator pedal	4-01
5 Brake system	
Brake & inching control	5-01
Brake Piping System	5-05
Brake lever	5-09
6 Body system	
Frame & balance	6-01
Hood Floor Board & Seat	6-03
Head guard	6-07
7 Hydraulic system	
Oil tank	7-01
Valve control linkage (two-throw)	7-03
Valve control linkage (three-throw)	7-05
Valve control linkage (four-throw)	7-07
Hydraulic pipeline	7-09
8 Lifting system	
Hydraulic system mast	8-01
Fork & Lift Bracket	8-04
Mast	8-06
Lift cylinder	8-08
Tilt cylinder	8-12
9 Electric system	
Electric system	9-01
10 Scutcheon	
Scutcheon	10-01

ENGINE SYSTEM

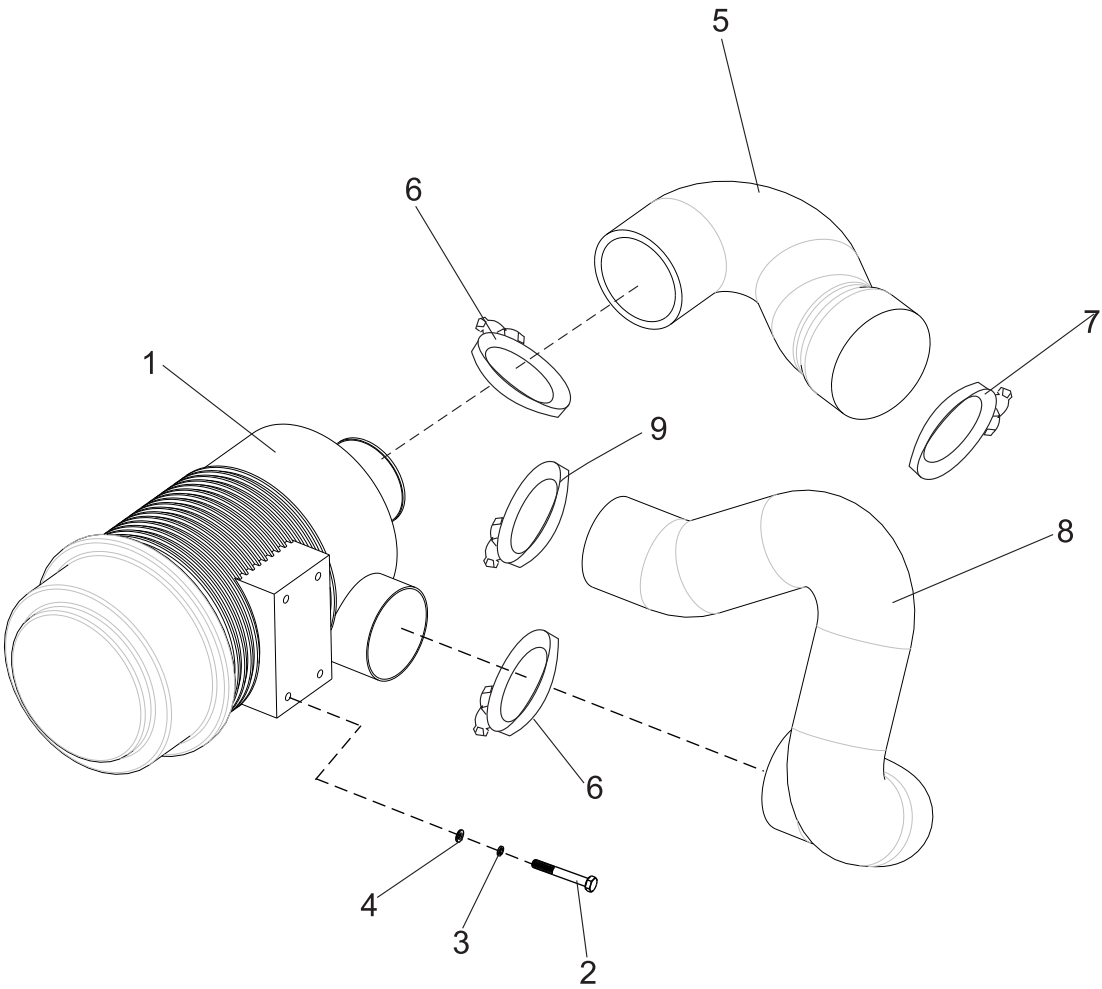
Engine mount



Engine mount

Item	Part No	Description	Q'ty	Remark
1	A50B5-10300	Rubber	2	FD100B-W3
2	GB/T6171-2000	M12 X 1.25 Nut	2	FD100B-W3
3	GB/T93-1987	12 Washer, Lock	2	FD100B-W3
4	GB/T5783-2000	M10 X 35 Bolt	4	
5	GB/T97.1-1985	10 Washer	4	
6	GB/T93-1987	10 Washer, Lock	4	
7	GB/T6170-2000	M10 Nut	4	
8	A90C5-10100	6110 Engine	1	FD100B-XC1
	A50B5-10200	6BG1 Engine	1	FD100B-W3

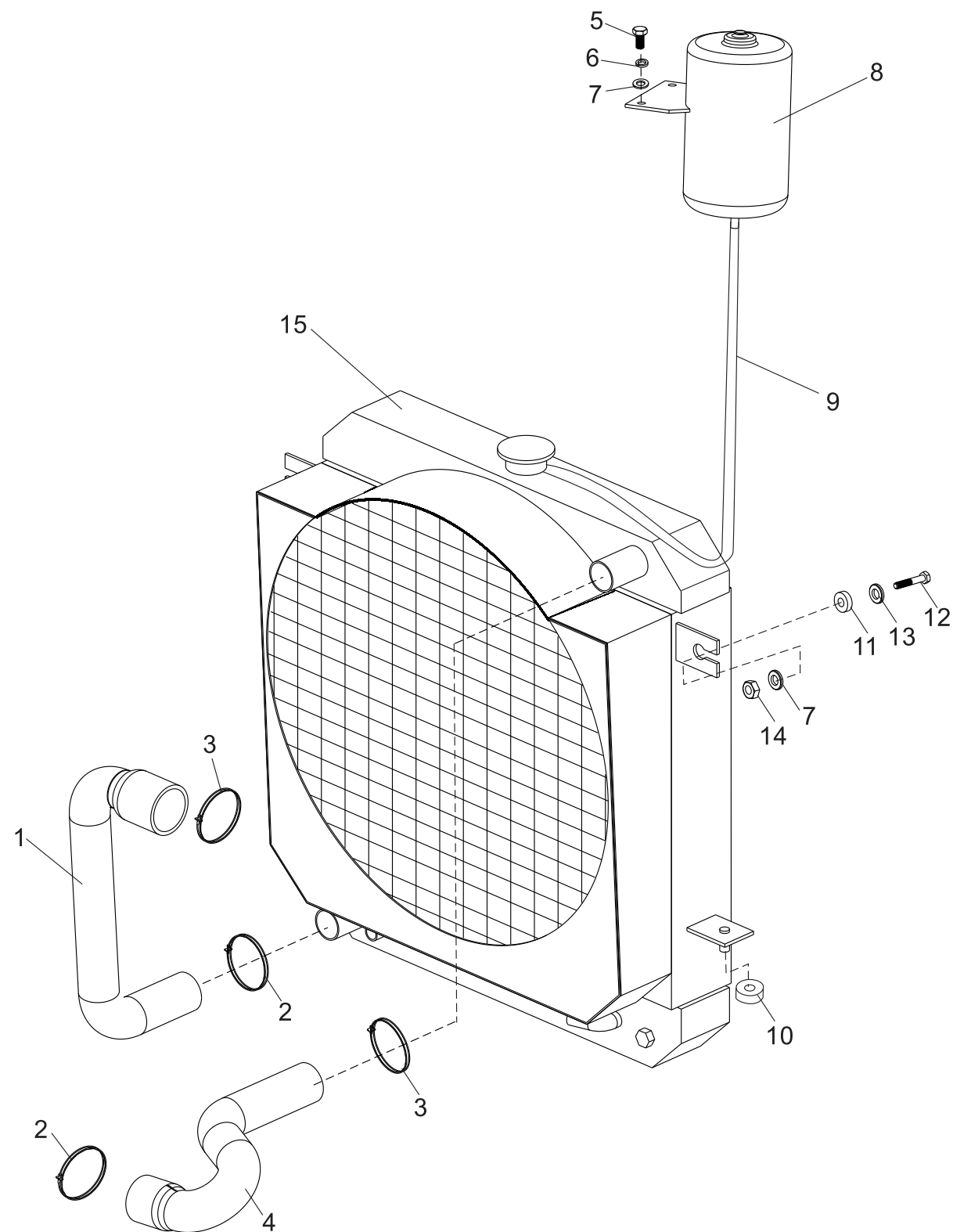
Air intake system



Air intake system

Item	Part No	Description	Q'ty	Remark
1	A50A5-10200	Air cleaner	1	
2	GB/T5782-2000	M8×20 Bolt	2	
3	GB/T93-1987	8 Washer	2	
4	GB/T97.1-1985	8 Washer	2	
5	A90C5-10002	B Hose, intake air	1	FD100B-XC1
	A50A5-10001	B Hose, intake air	1	FD100B-W3
6	TK000-110120	φ 110-120 Clip	2	FD100B-XC1
	TK000-80100	φ 80-100 Clip	2	FD100B-W3
7	TK000-90110	φ 90-110 Clip	1	
8	A90C5-10001	A Hose, intake air	1	FD100B-XC1
	A50A5-10002	A Hose, intake air	1	FD100B-W3
9	TK000-80100	φ 80-100 Clip	1	FD100B-XC1
	TK000-50070	φ 50-70 Clip	1	FD100B-W3

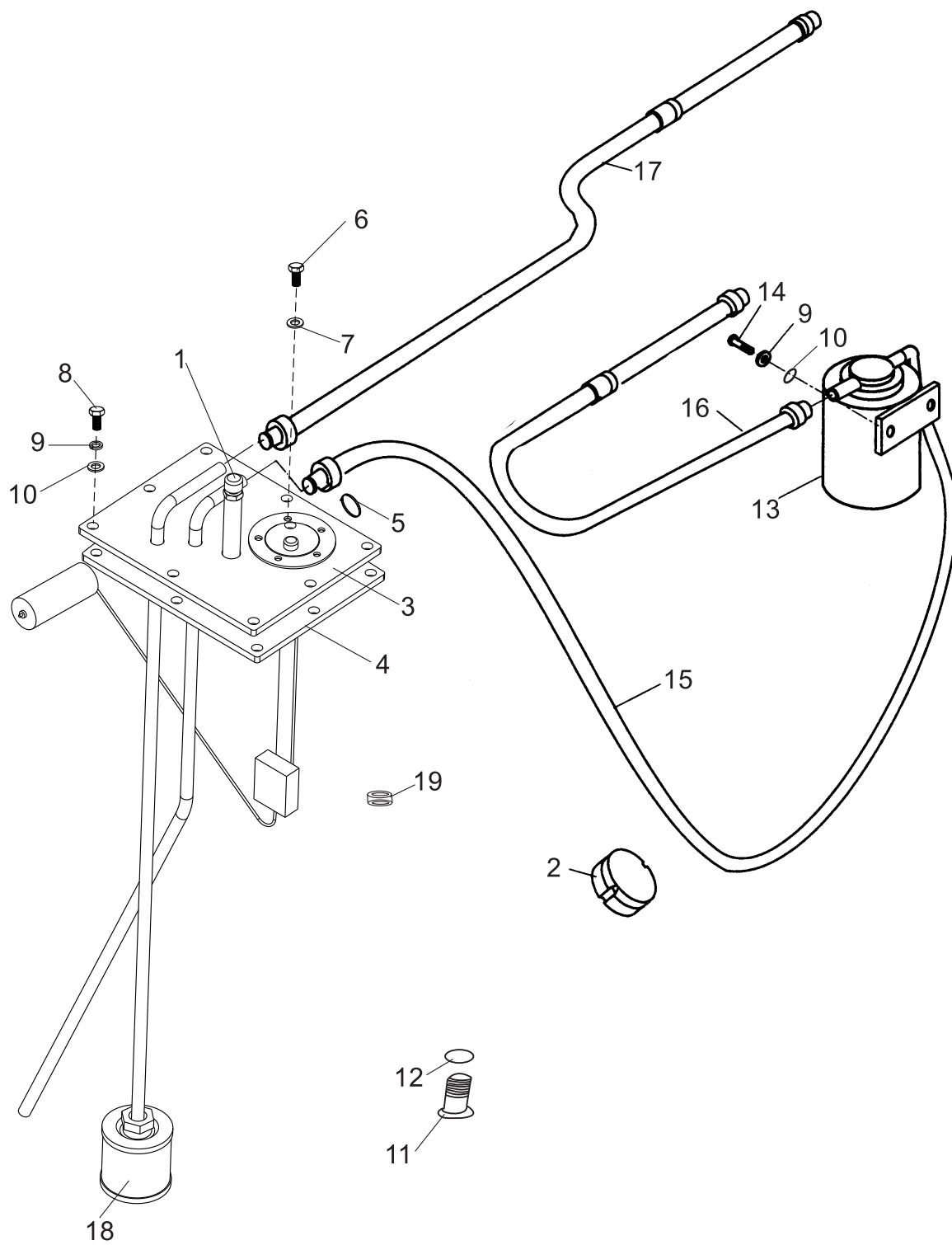
Cooling system



Cooling system

Item	Part No	Description	Q'ty	Remark
1	A90C5-40001	Hose rubber	1	FD100B-XC1
	A50A5-40001	Hose rubber	1	FD100B-W3
2	TK000-44064	Φ 44~64 Clip	2	
3	TK000-38057	Φ 38~57 Clip	2	
4	A90C5-40002	Hose rubber	1	FD100B-XC1
	A50A5-40002	Hose rubber	1	FD100B-W3
5	GB/T5783-2000	M8×20 Bolt	3	
6	GB/T93-1987	8 Washer,lock	3	
7	GB/T97.1-2000	8 Washer	5	
8	A50A5-40100	Tank reserve ass'y	1	
9	TG000-08185	Φ 8×1850 Hose	1	
10	A30A5-40003	I Rubber	2	
11	A30A5-40004	II Rubber	2	
12	A30A5-40005	Bolt	2	
13	A30A5-20003	Plate	2	
14	GB/T889.1-2000	M8 Nut	2	
15	A90C5-40100	Radiator ass'y	1	FD100B-XC1
	A50A5-40200	Radiator ass'y	1	FD100B-W3

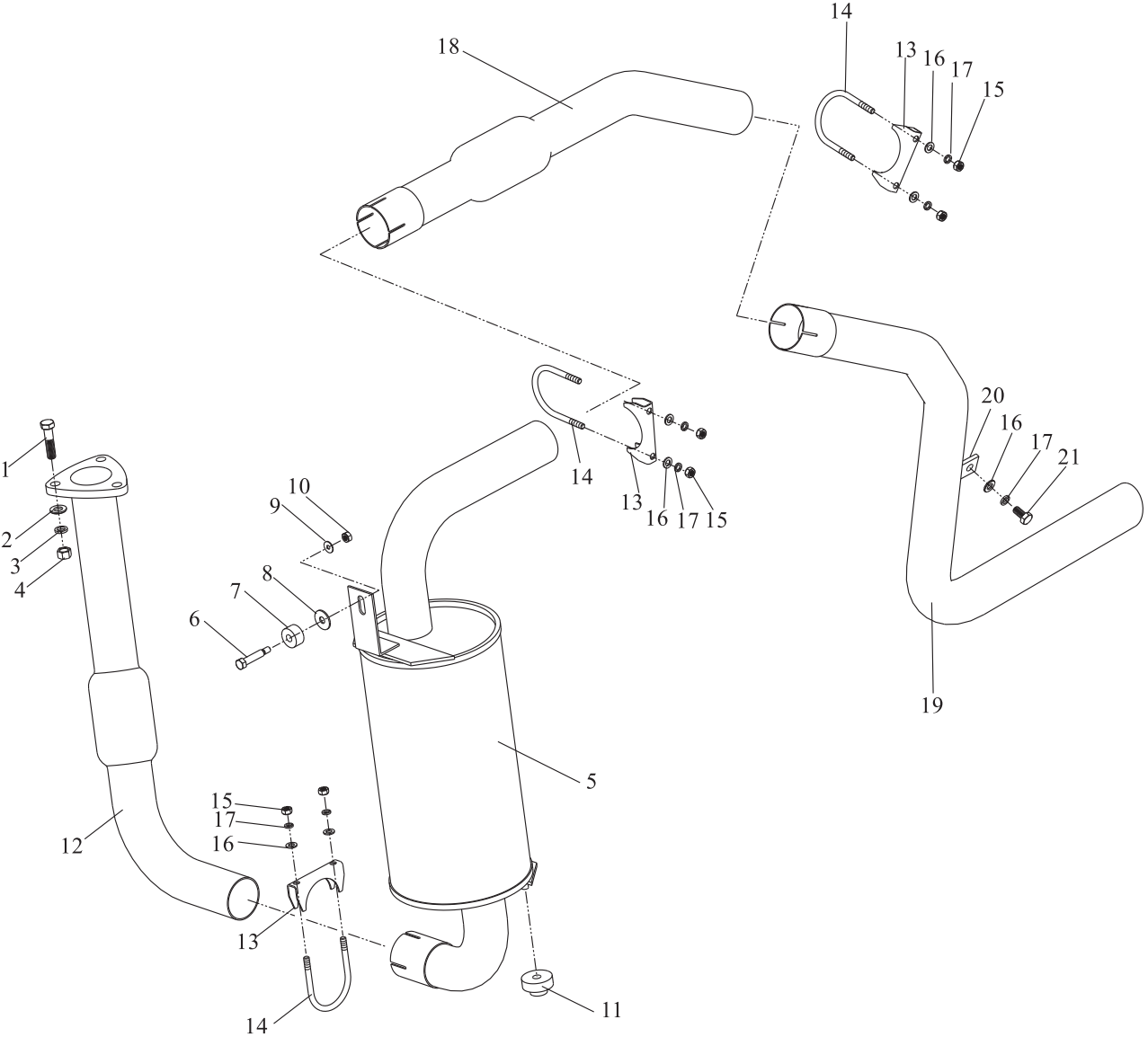
Fuel system



Fuel system

Item	Part No	Description	Q'ty	Remark
1	A45A5-30001	Z 1/8 " Cypriot ventilation	1	FD100B-XC1 FD100B-W3
2	A30A5-30100	Cap	1	
3	A90C5-30100	Plate	1	
	A50A5-30300	Plate	1	
4	A50A5-30001	Packing	1	
5	TK000-13019	φ 13- φ 19 Clip	6	
6	GB/T818-2000	M5×12 Bolt	5	
7	GB/T93-1987	5 Washer,Lock	5	
8	GB/T5783-2000	M8×20 Bolt	8	
9	GB/T93-1987	8 Washer,Lock	10	
10	GB/T97.2-1985	8 Washer	10	
11	A30A4-50002	Plug,drain	1	
12	JB982-77	30 Washer	1	
13	A30A5-30300	Sedimenter	1	
14	GB/T5783-2000	M8×25 Bolt	2	
15	TG000-10100	φ 10×1000 Tube	1	
	TG000-10100	φ 10×1000 Tube	2	
16	TG000-10060	φ 10×600Tube	1	
17	TG000-10130	φ 10×1300 Tube	1	
18	A30A5-30400	Sedimenter	1	
19	A30A4-50003	Magnet	2	

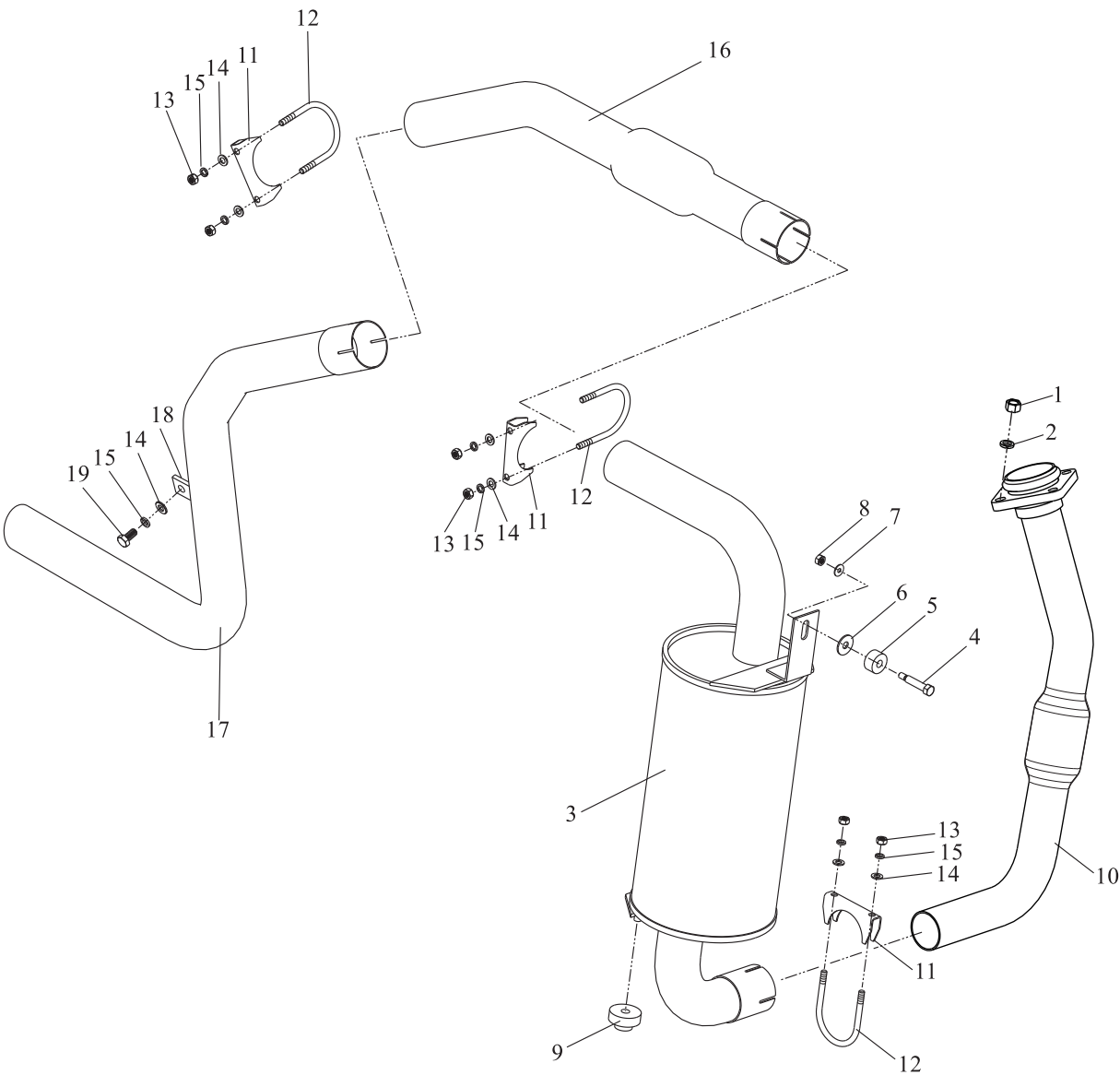
Exhaust system FD100B-XC1



Exhaust system FD100B-XC1

Item	Part No	Description	Q'ty	Remark
1	GB/T5783-2000	12×50 Bolt	3	
2	GB/T93-1987	12 Washer,lock	3	
3	GB/T97.2-2000	12 Washer	3	
4	GB/T6170-2000	M12 Nut	3	
5	A90C5-20100	Muffler	1	
6	A30A5-20002	Bolt	1	
7	A30A5-20001	Rubber	2	
8	A30A5-20003	Washer	1	
9	GB/T97.1-1985	8 Washer	1	
10	GB/T889.1-2000	M8 Nut	1	
11	A30A5-40003	I Rubber	1	
12	A90C5-20200	FrontPipe ass'y	1	
13	A90C5-20501	Plate	3	
14	A90C5-20502	U-Bolt	3	
15	GB/T6170-2000	M10 Nut	6	
16	GB/T97.1-1985	10 Washer	7	
17	GB/T93-1987	10 Washer,lock	7	
18	A90C5-20300	I Back pipe ass'y	1	
19	A90C5-20400	II Back pipe ass'y	1	
20	A90C5-20001	Clip	1	
21	GB/T5783-2000	M10×20 Bolt	1	

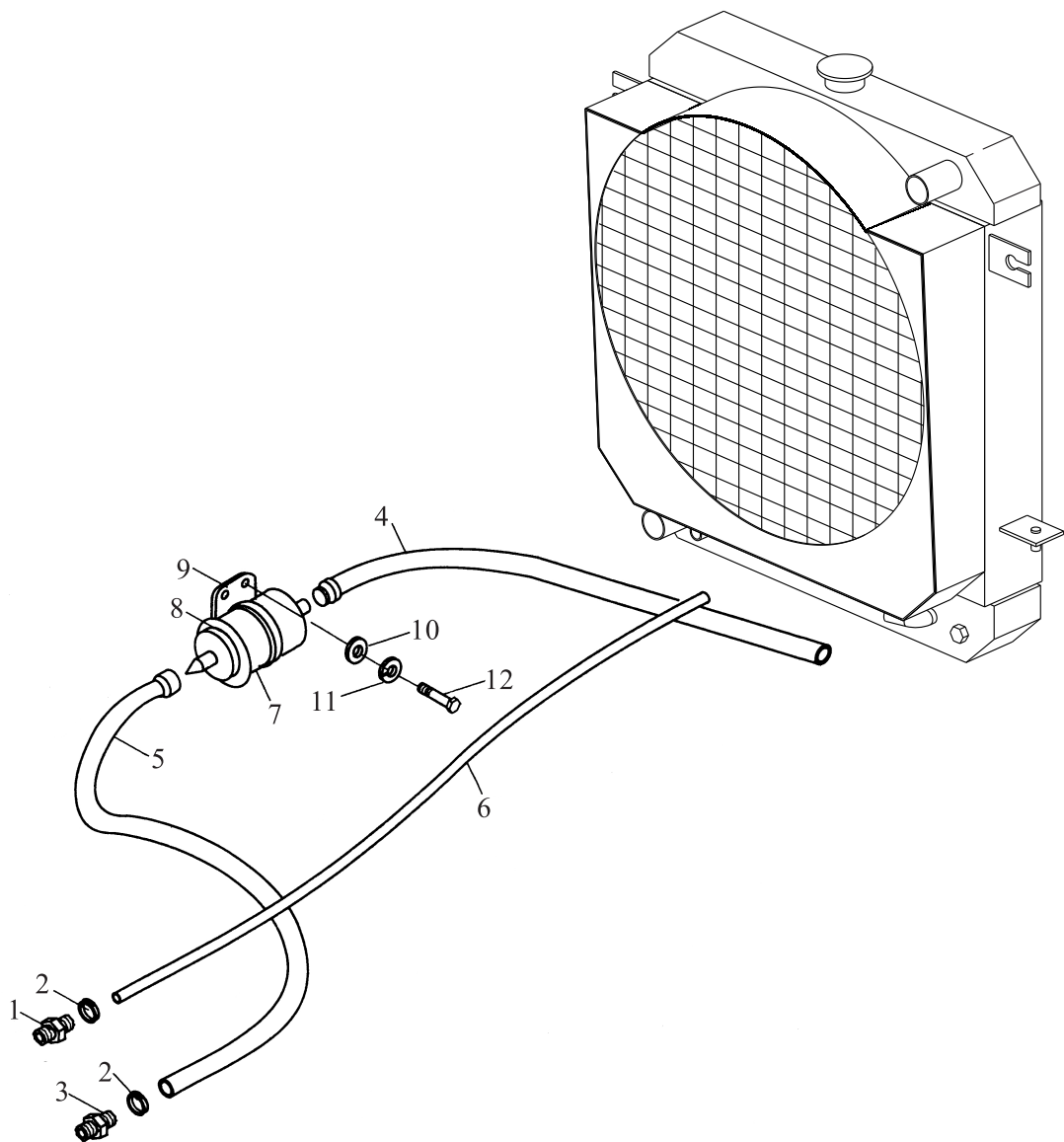
Exhaust system FD100B-W3



Exhaust system FD100B-W3

Item	Part No	Description	Q'ty	Remark
1	GB/T6170-2000	M10 Nut	4	
2	GB/T93-1987	10 Washer,lock	4	
3	A90A5-20200	Muffler	1	
4	A30A5-20002	Bolt	1	
5	A30A5-20001	Rubber	2	
6	A30A5-20003	Washer	1	
7	GB/T97.1-1985	8 Washer	1	
8	GB/T889.1-2000	M8 Nut	1	
9	A30A5-40003	I Rubber	1	
10	A90A5-20100	FrontPipe ass'y	1	
11	A90C5-20501	Plate	3	
12	A90C5-20502	U-Bolt	3	
13	GB/T6170-2000	M10 Nut	6	
14	GB/T97.1-1985	10 Washer	7	
15	GB/T93-1987	10 Washer,lock	7	
16	A90C5-20300	I Back pipe ass'y	1	
17	A90A5-20300	II Back pipe ass'y	1	
18	A90C5-20001	Clip	1	
19	GB/T5783-2000	M10×20 Bolt	1	

Tor-con oil cooling system

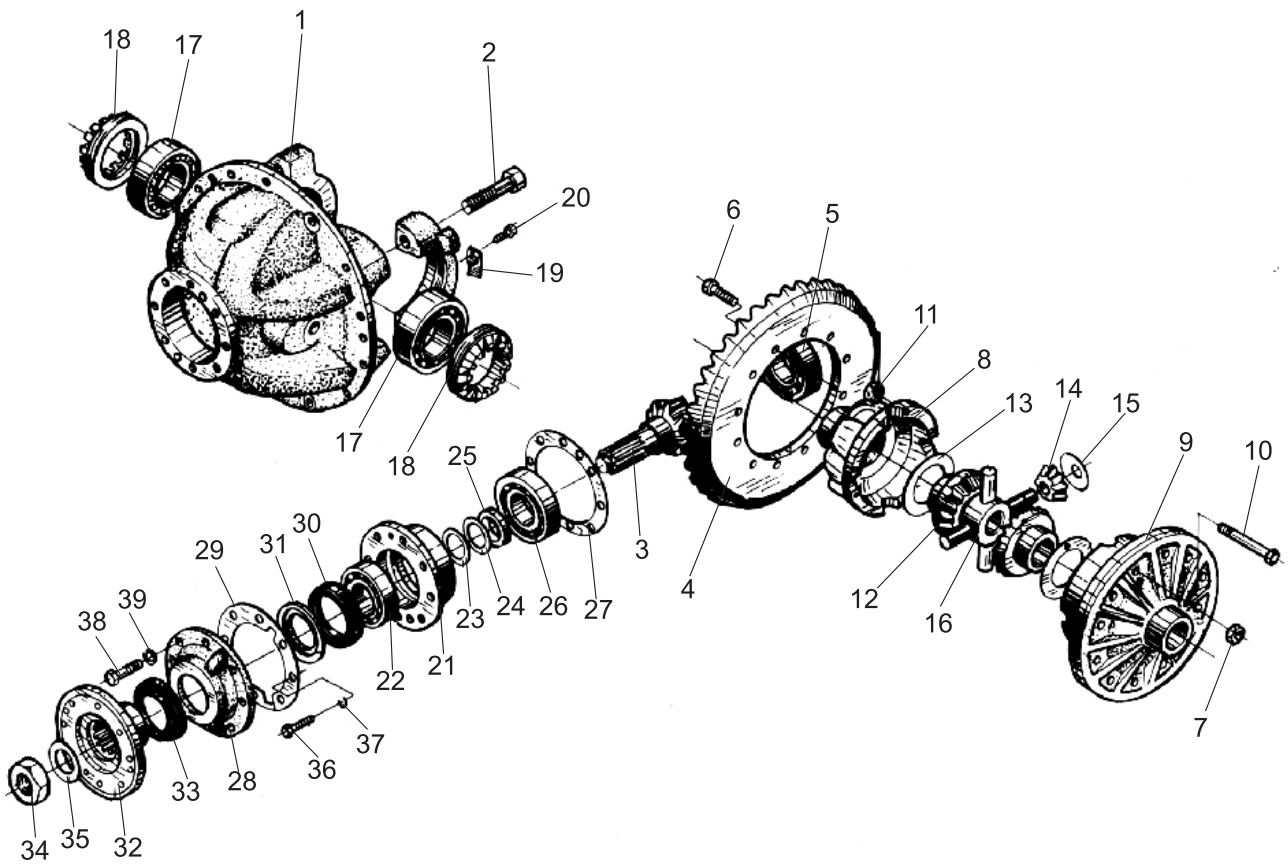


Tor-con oil cooling system

Item	Part No	Description	Q'ty	Remark
1	GJT-111-00	Nipple	1	
2	TK000-22032	Φ22-32 Clip	6	
3	GJT-139-00	Nipple	1	
4	TG000-19100	Φ19×1000 Hose	1	FD100B-XC1
	TG000-19060	Φ19×600 Hose	1	FD100B-W3
5	TG000-19090	Φ19×900 Hose	1	
6	TG000-19220	Φ19×2200 Hose	1	FD100B-XC1
	TG000-19190	Φ19×1900 Hose	1	FD100B-W3
7	A50A5-00600	Strainer	1	
8	TK000-90110	Φ90-110 Clip	1	
9	A50A5-00004	Bracket	1	
10	GB/T97.1-1985	8 Washer	2	
11	GB/T93-1987	8 Washer, lock	2	
12	GB/T5781-2000	M8×15 Bolt	2	

DRIVING SYSTEM

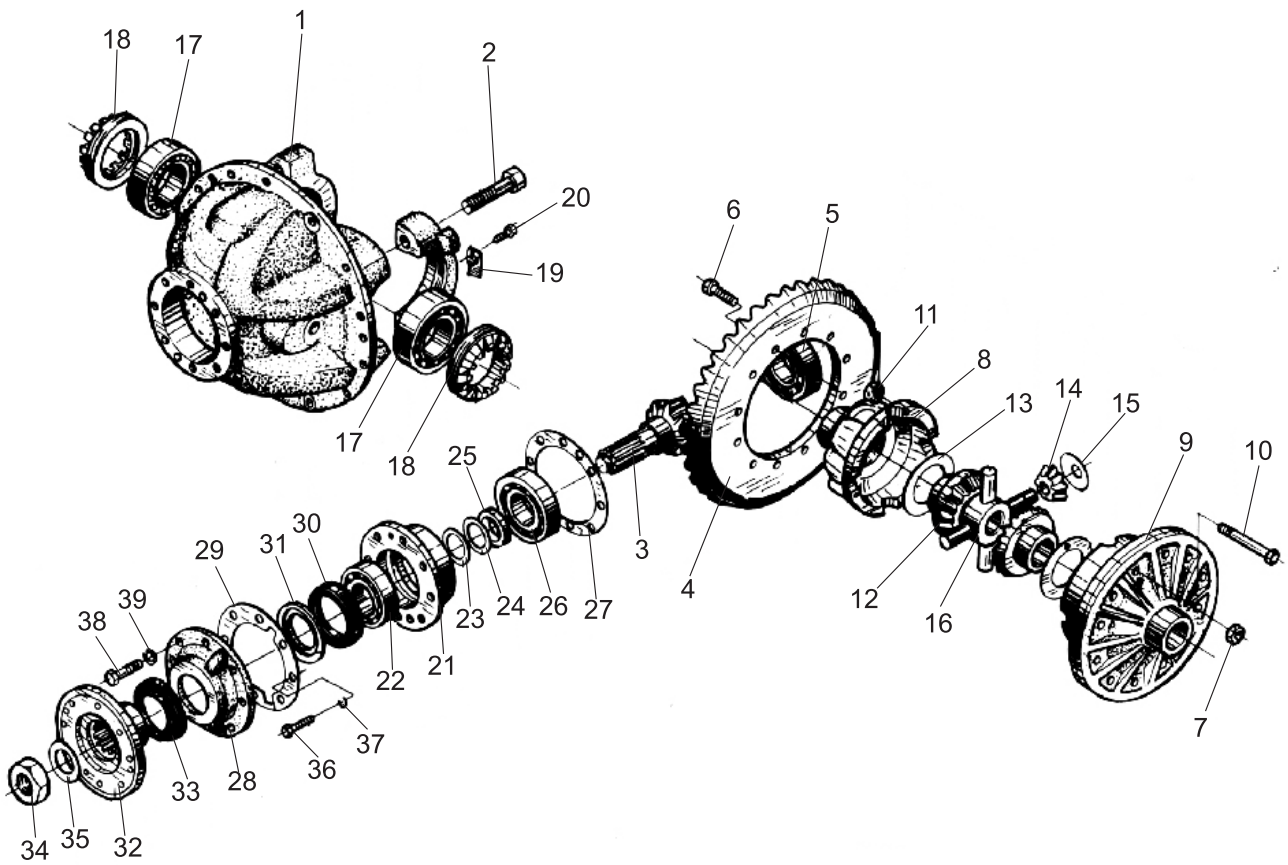
Reduction&Differential



Reduction&Differential

Item	Part No	Description	Q'ty	Remark
1	A90A5-00301	Case, differential	1	
2	A90A5-00302	Bolt	4	
3	A90A5-00303	Gear, output	1	
4	A90A5-00304	Gear, spiral vevel	1	
5	A90A5-00305	Bearing	1	
6	A90A5-00403	Bolt	2	
7	A90A5-00404	Nut	2	
8	A90A5-00401(L)	Case, cross L. H	1	
9	A90A5-00401(R)	Case, cross R. H	1	
10	A90A5-00405	Bolt	8	
11	A90A5-00406	Nut	8	
12	A90A5-00407	Gear, side	2	
13	A90A5-00408	Washer	2	
14	A90A5-00409	Gear, Pinion	4	
15	A90A5-00410	Washer	4	
16	A90A5-00411	Shaft, cross	1	
17	A90A5-00412	Bearing	2	
18	A90A5-00413	Nut	2	
19	A90A5-00306	Plate, lock	2	
20	A90A5-00307	Bolt	2	
21	A90A5-00308	Seat, bearing	1	
22	A90A5-00309	Bearing	1	

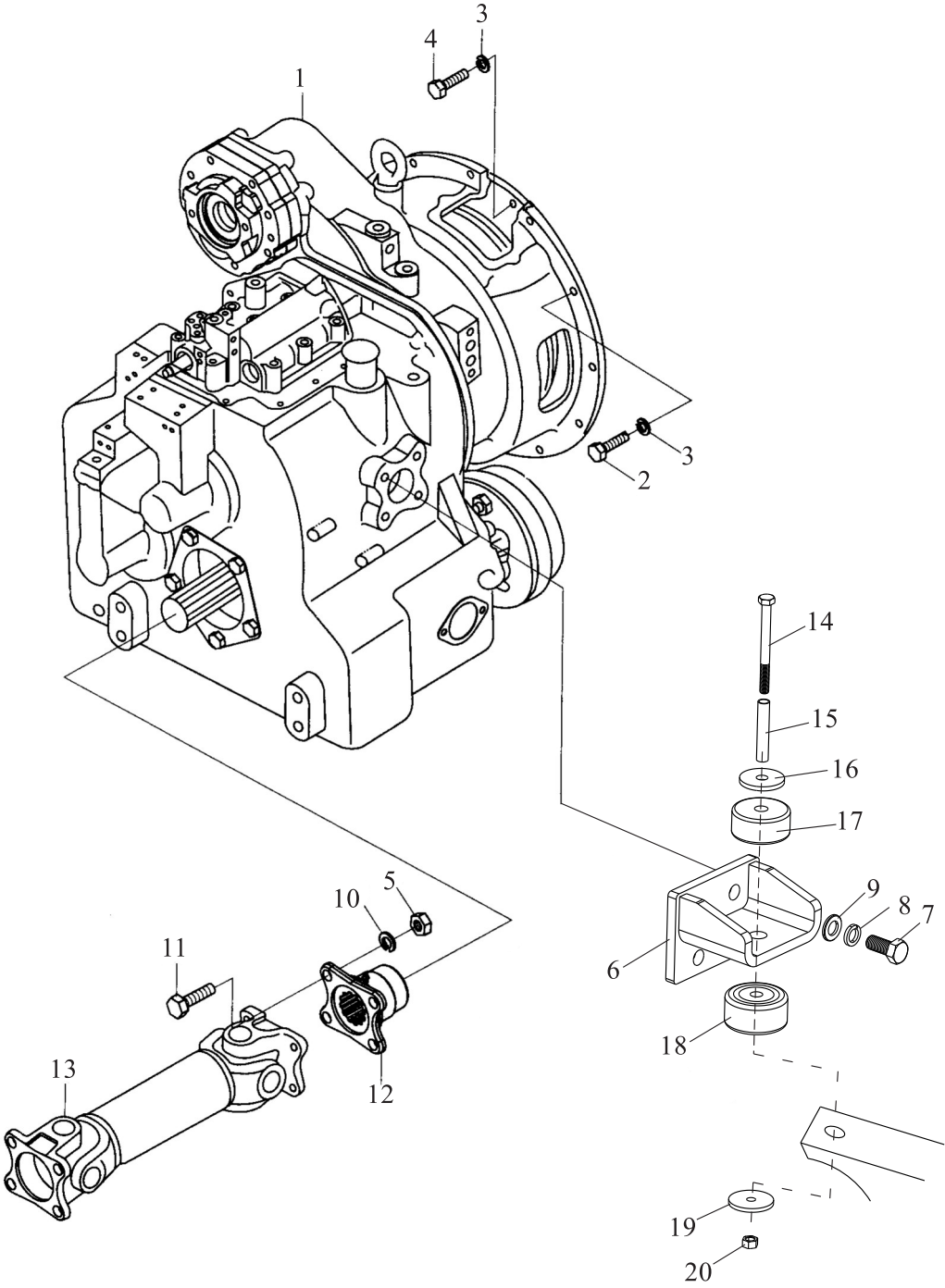
Reduction&Differential



Reduction&Differential

Item	Part No	Description	Q'ty	Remark
23	A90A5-00310	Plate	1	
24	A90A5-00311	Plate	1	
25	A90A5-00312	Plate	1	
26	A90A5-00313	Bearing	1	
27	A90A5-00314	Shim	1	
28	A90A5-00315	Bracket	1	
29	A90A5-00316	Shim	1	
30	A90A5-00317	Seal,oil	1	
31	A90A5-00318	Seal,oil	1	
32	A90A5-00319	Flange	1	
33	A90A5-00320	Dust cover	1	
34	A90A5-00321	Locknut	1	
35	A90A5-00322	Shim	1	
36	A90A5-00323	Bolt	1	
37	A90A5-00324	Washer	1	
38	A90A5-00325	Bolt	1	
39	A90A5-00326	Washer	1	

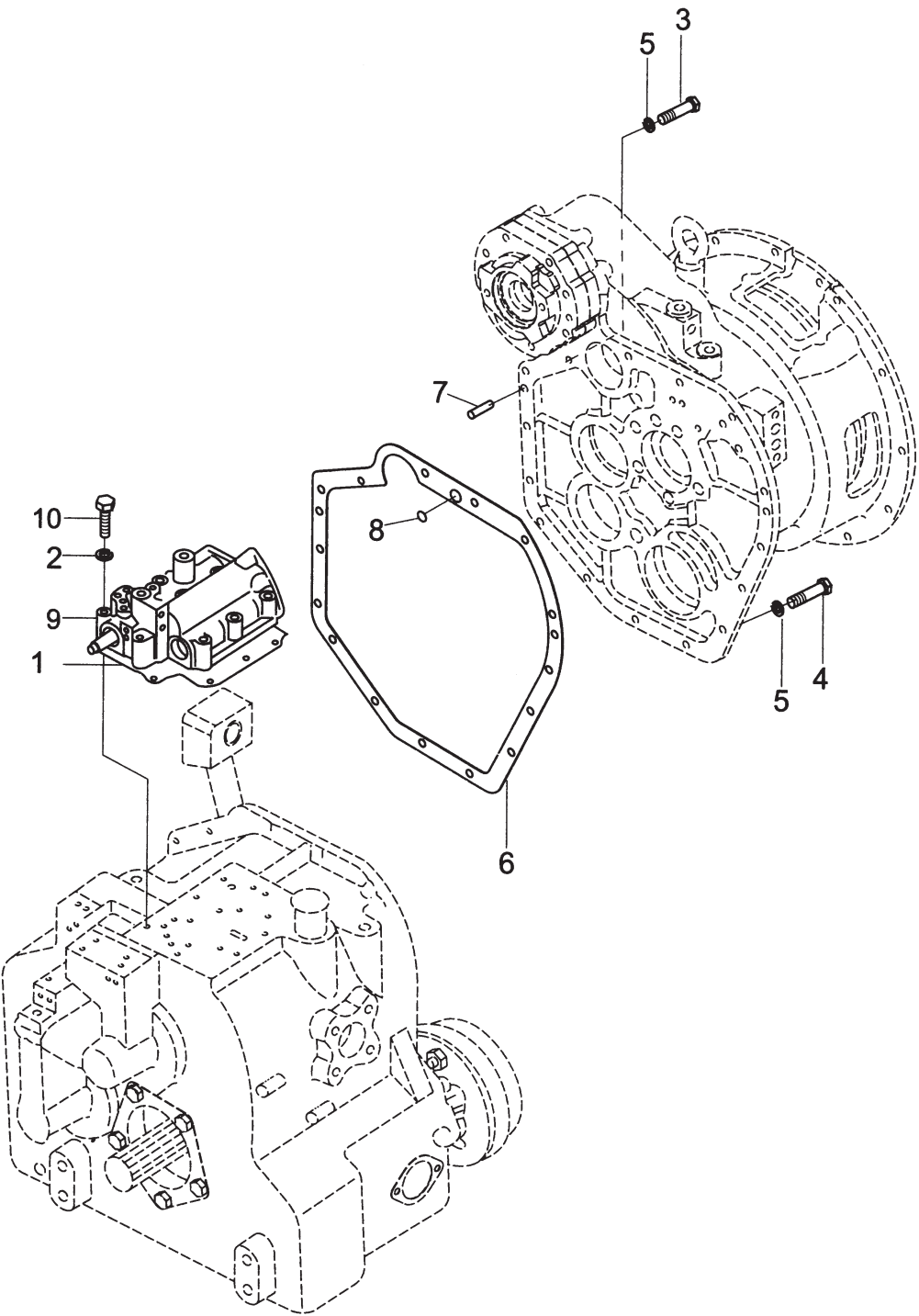
Drive unit mount



Drive unit mount

Item	Part No	Description	Q'ty	Remark
1	A90C5-00400	Drive unit	1	FD100B-XC1
	A90C5-00200	Drive unit	1	FD100B-XC1
	A50B5-00100	Drive unit	1	FD100B-W3
	A50B5-00300	Drive unit	1	FD100B-W3
2	GB/T5783-2000	M10×30 Bolt	12	
3	GB/T93-1987	10 Washer, lock	22	
4	GB/T5783-2000	M10×25 Bolt	10	
5	GB/T6171-2000	M14×1.5 Nut	8	
6	A50A5-00500	Bracket, drive	2	
7	GB/T5786-2000	M16×1.5×35 Bolt	8	
8	GB/T93-1987	16 Washer, lock	8	
9	GB/T97.2-1985	16 Washer	8	
10	GB/T93-1987	14 Washer, lock	8	
11	A50A5-00001	Bolt	8	
12	A50A5-00401	Joint bushing	1	
13	A90C5-00100	Propeller shaft ass'y	1	FD100B-XC1
	A90B5-00100	Propeller shaft ass'y	1	FD100B-W3
14	GB/T5782-2000	M10×110×35 Bolt	2	
15	A30A5-10002	Plastic pipe	2	
16	A30A5-10001	Shim	2	
17	A50A5-00002	Cushion, rubber	2	
18	A30A5-10003	Cushion, rubber	2	
19	A30A5-10005	Washer	2	
20	GB/T889.1-2000	M10 Nut	2	

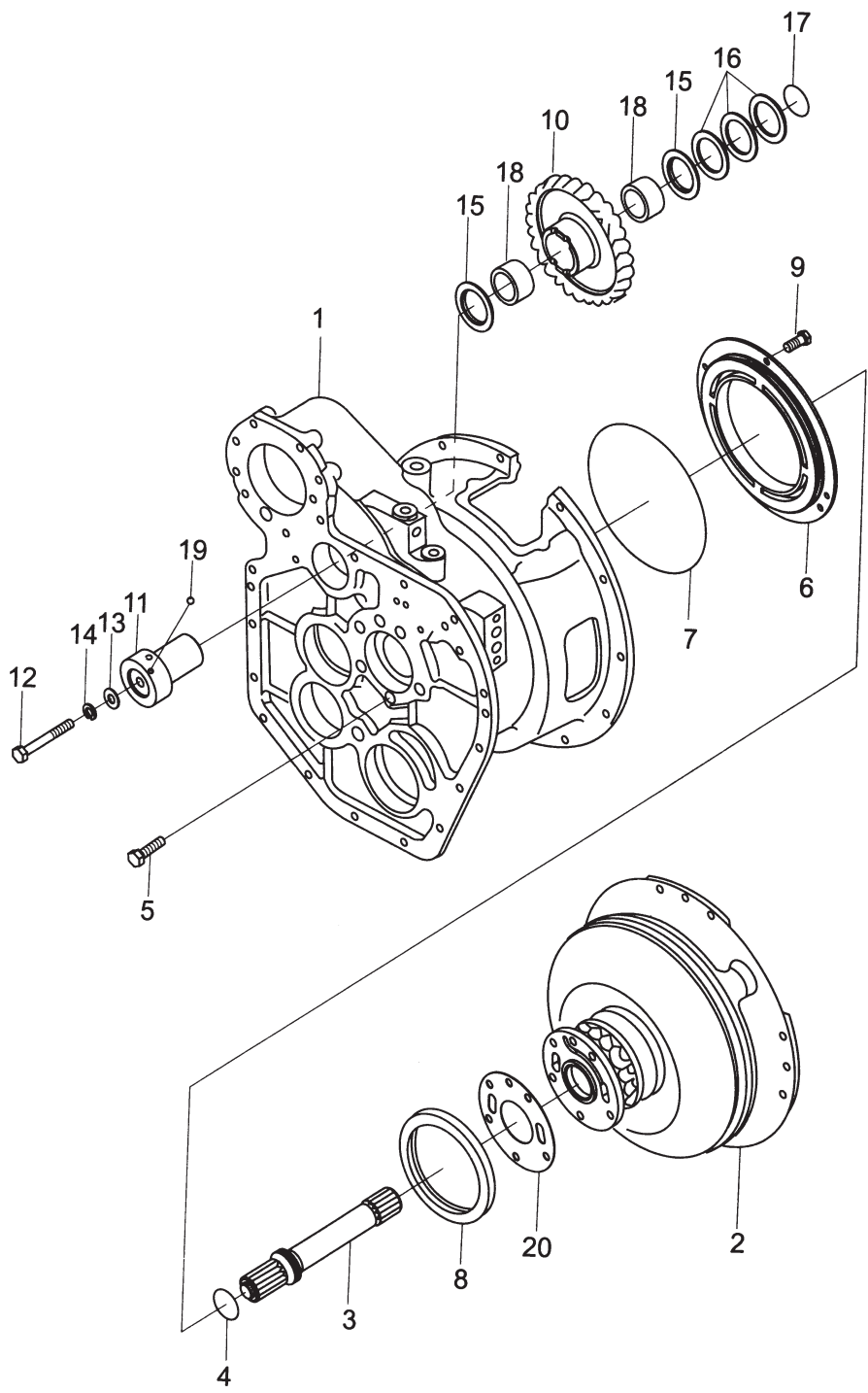
Drive unit



Drive unit

Item	Part No	Description	Q'ty	Remark
1	A50A5-00402	Gasket	1	
2	GB/T93-1987	8 Washer, lock	9	
3	GB/T5785-2000	M10×1.25×65 Bolt	1	
4	GB/T5785-2000	M10×1.25×30 Bolt	11	
5	GB/T93-1987	10 Washer, lock	12	
6	A50A5-00403	Gasket	1	
7	GB/T119-2000	B10×20 Pin	2	
8	GB/T1235-76	15×2.4 O-ring	1	
9	A50A5-00600	Control valve ass'y	1	
10	GB/T5782-2000	M8×55 Bolt	9	

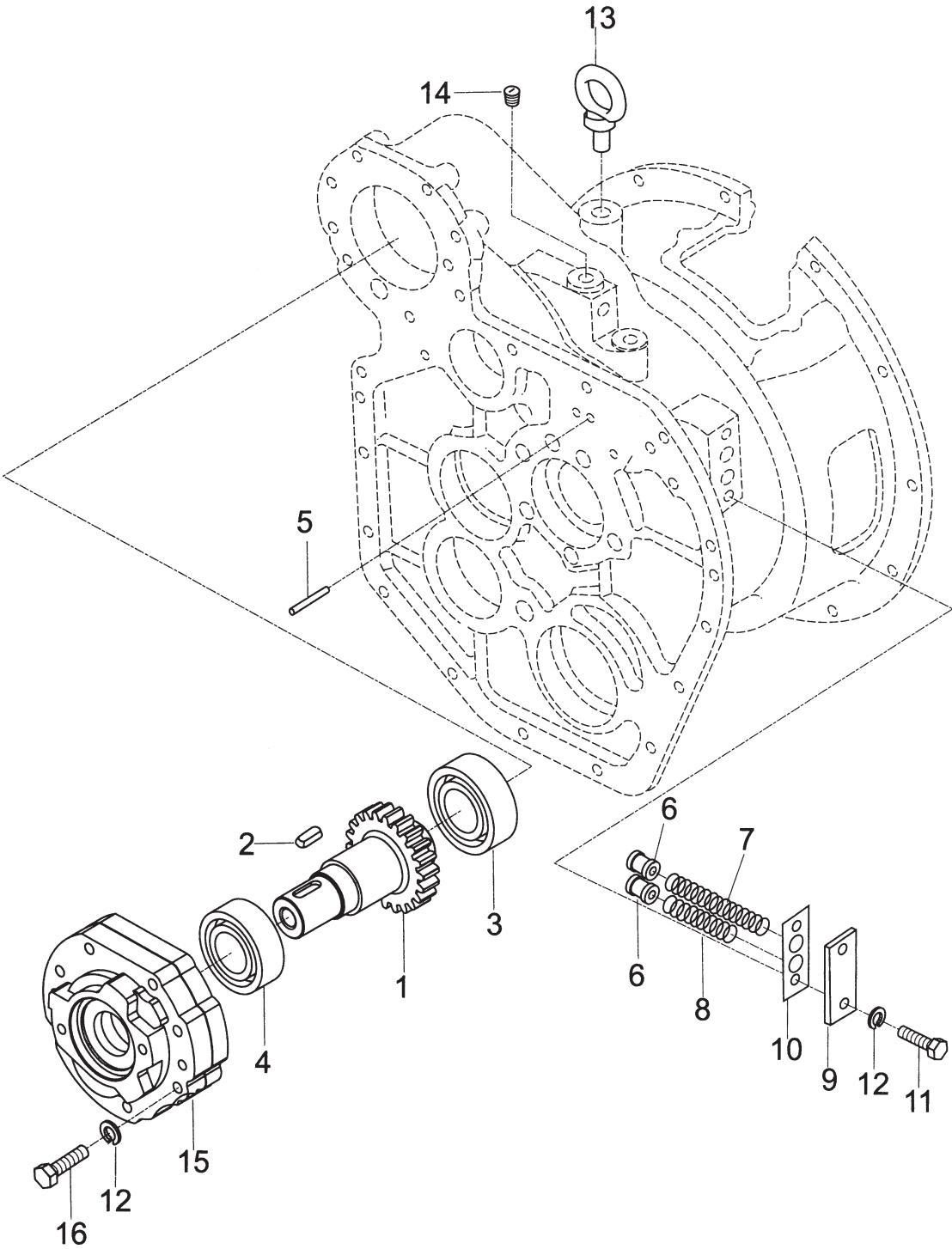
Torque-converter (1/2)



Torque-converter (1/2)

Item	Part No	Description	Q'ty	Remark
1	A90C5-00501	Case, tor-con	1	FD100B-XC1
	A50B5-03001	Case, tor-con	1	FD100B-W3
2	A90C5-00500	Tor-con ass't	1	FD100B-XC1
	A50B5-03000	Tor-con ass't	1	FD100B-W3
3	A50A5-03002	Shaft, turbin	1	
4	A50A5-03003	Ring, sed	1	
5	GB/T70-1985	M10×50 Screw	6	
6	A50A5-03004	Back cover	1	
7	GB/T1235-2000	220×5.7 O-ring	1	
8	A50A5-03005	SG130×60×15 Oil seal	1	
9	GB/T5785-2000	M8×1×15 Bolt	3	
10	A50A5-03006	Gear	1	
11	A50A5-03007	Supper	1	
12	A50A5-03008	Bolt	1	
13	GB/T97.1-1985	10 Washer	1	
14	GB/T93-1987	10 Washer, lock	1	
15	A50A5-03009	Bearing	2	
16	A50A5-03010	Washer	3	
17	A50A5-03011	Shim	2	
18	A50A5-03012	Bearing	2	
19	GB308-77	1/4" Ball, steel	1	
20	A50A5-03013	Gasket	1	

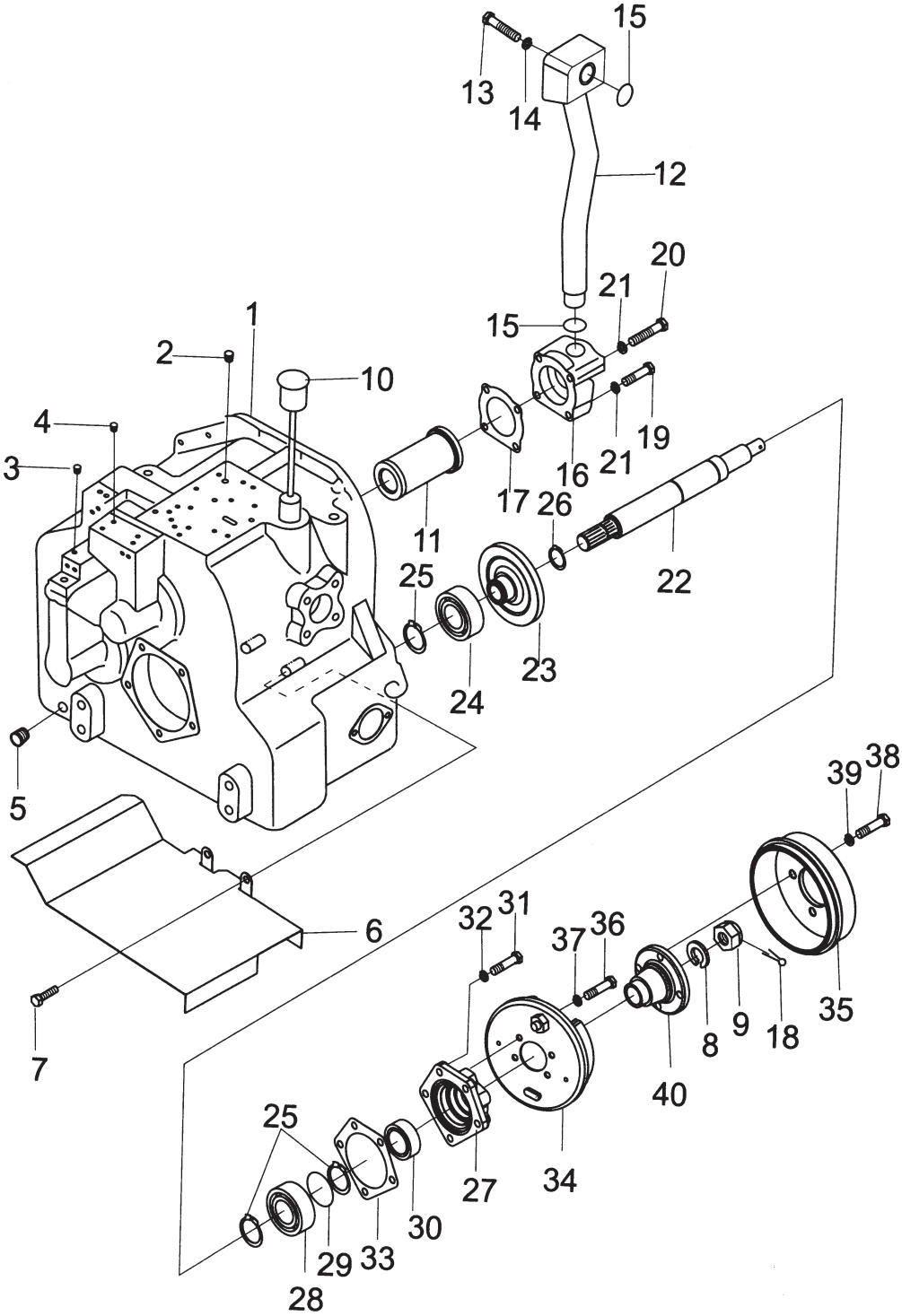
Torque-converter (2/2)



Torque-converter (2/2)

Item	Part No	Description	Q'ty	Remark
1	A50A5-03014	Gear, drive	1	
2	A50A5-03015	Key	1	
3	A50A5-03016	Bearing	1	
4	GB276-82	209 Bearing	1	
5	A50A5-03017	Pin, paraller	2	
6	A50A5-03018	Piston	2	
7	A50A5-03019	Spring	1	
8	A50A5-03020	Sping	1	
9	A50A5-03021	Cover	1	
10	A50A5-03022	Gasket	1	
11	GB/T5785-2000	M10×1.25×35 Bolt	2	
12	GB/T93-1987	10 Washer, lock	9	
13	GB/T825-88	M16 Eye screw	3	
14	A50A5-03023	(3/8") Plug	2	
15	A50A5-03100	Charging pump	1	
16	GB/T5785-2000	M10×1.25×60 Bolt	7	

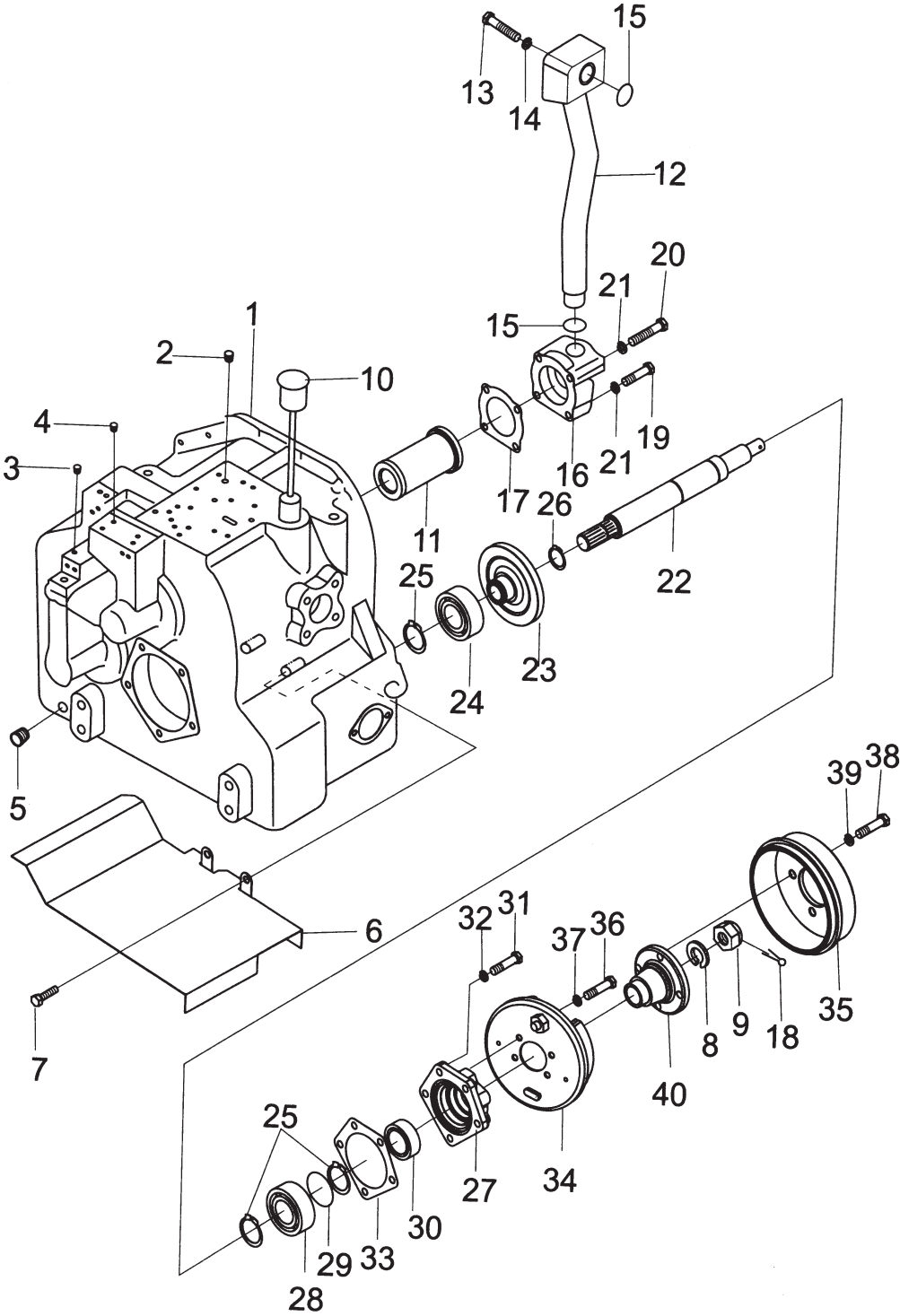
Transmission (1/2)



Transmission (1/2)

Item	Part No	Description	Q'ty	Remark
1	A90C5-00201	Case, transmission	1	
2	A50A5-00405	Plug	1	
3	A50A5-00406	(1/8") Plug	14	
4	A50A5-00407	(3/8") Plug	2	
5	A50A5-00408	(3/4") Plug	2	
6	A50A5-00409	Plate, boffle	1	
7	GB/T5782-2000	M8×20 Bolt	2	
8	GB/T93-1987	Washer, lock	1	
9	GB9457-88	M20×1.5 Nut	1	
10	A50A5-00410	Rod, lever	1	
11	A50A5-00411	Strainer	1	
12	A50A5-00412	Pipe oil fill	1	
13	GB/T5785-2000	M10×12.5×70 Bolt	2	
14	GB/T93-1987	10 Washer, lock	2	
15	GB1235-76	35×3.1 O-ring	2	
16	A50A5-00413	Cover, filter	1	
17	A50A5-00414	Gasket	1	
18	GB/T91-2000	4×36 Pin	1	
19	GB/T5785-2000	M10×12.5×50 Bolt	2	
20	GB/T5785-2000	M10×12.5×80 Bolt	2	
21	GB/T93-1987	10 Washer, lock	4	
22	A50A5-00415	Shaft, Parking	1	
23	A50A5-00416	Gear	1	

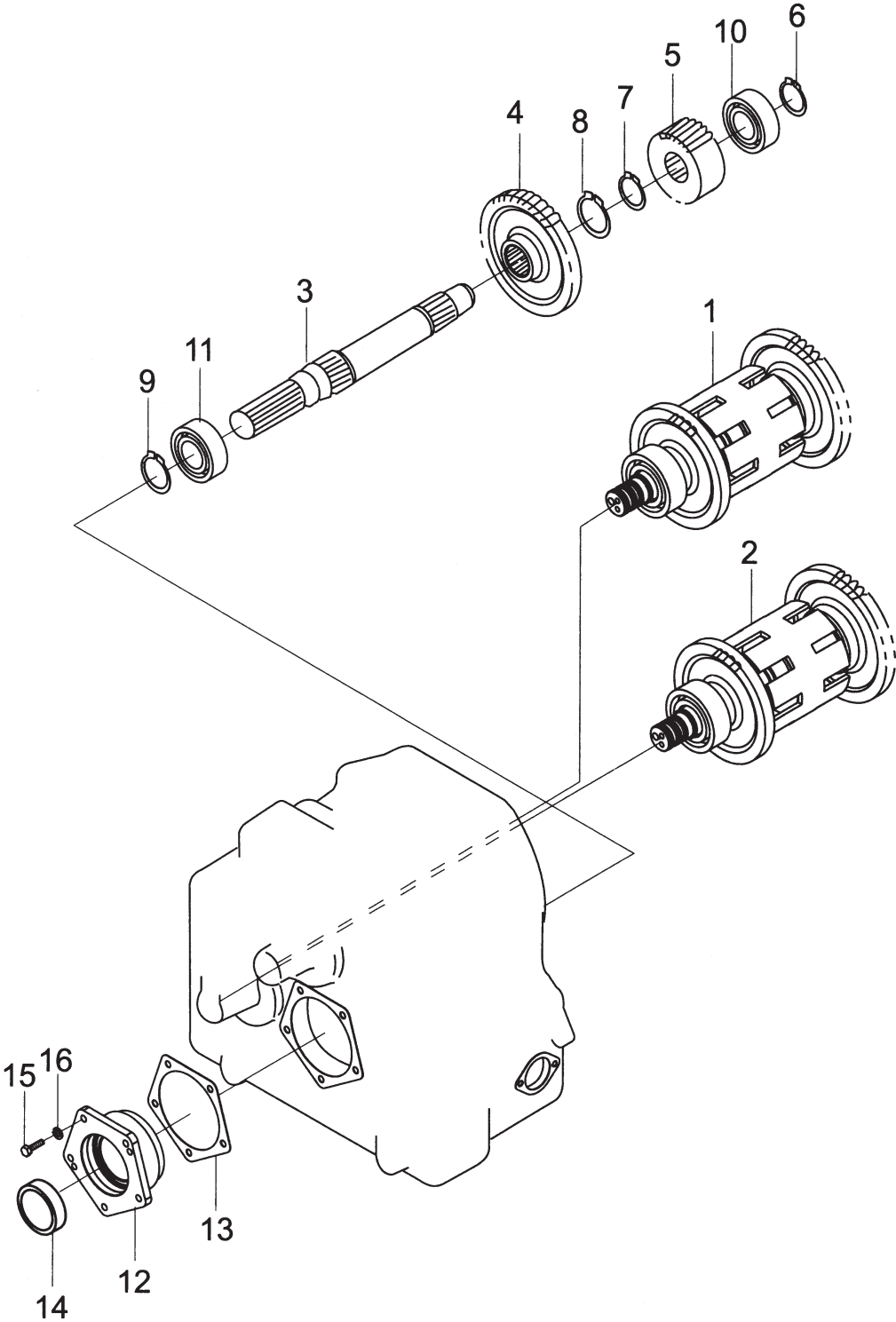
Transmission (1/2)



Transmission (1/2)

Item	Part No	Description	Q'ty	Remark
24	GB276-82	208 Bearing	1	
25	GB/T894.1-2000	40 Snap ring	3	
26	GB/T894.1-2000	30 Snap ring	1	
27	A50A5-00417	Cap	1	
28	GB277-82	50208 Bearing	1	
29	GB305-82	80/86.6 Ring, thrust	1	
30	A50A5-00418	SG40×62×12 Oil seal	1	
31	GB5785-86	M10×1.25×30 Bolt	5	
32	GB/T93-1987	10 Washer, lock	5	
33	A50A5-00419	Gasket	1	
34	A50A5-00900	Brake ass'y	1	
35	A50A5-00420	Drum	1	
36	GB/T5785-2000	M10×1.25×20 Bolt	4	
37	GB/T93-1987	10 Washer, lock	4	
38	GB/T5785-2000	M12×1.25×25 Bolt	4	
39	GB/T93-1987	12 Washer, lock	4	
40	A50A5-00421	Flange	1	

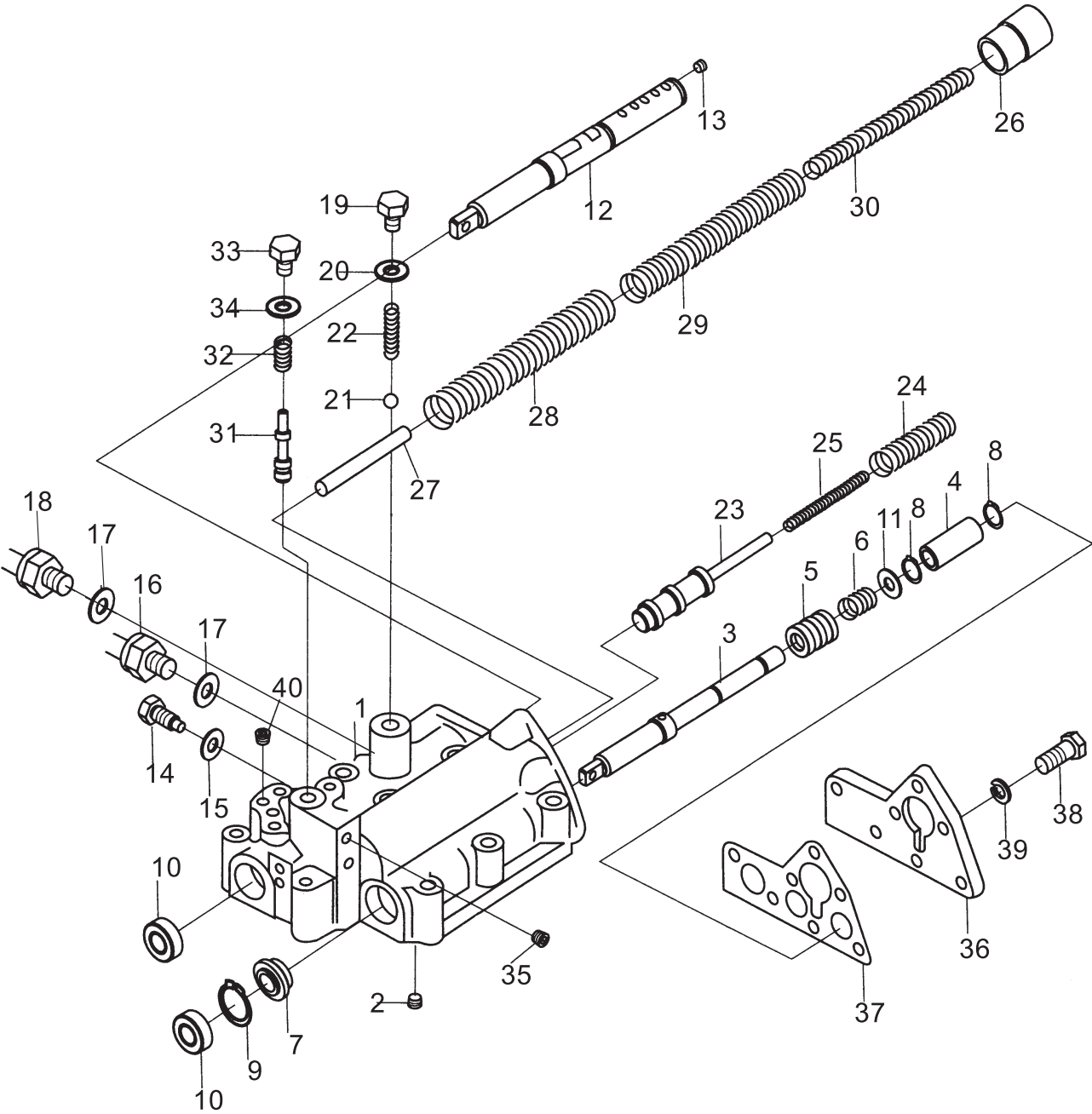
Transmission (2/2)



Transmission (2/2)

Item	Part No	Description	Q'ty	Remark
1	A50A5-01000	I Clutch	1	
2	A50A5-02000	II Clutch	1	
3	A50A5-00422	Shaft, output	1	
4	A50A5-00423	Gear	1	
5	A50A5-00424	Gear	1	
6	GB894. 1-86	45 Snap ring	1	
7	GB894. 1-86	50 Snap ring	1	
8	GB894. 1-86	60 Snap ring	1	
9	GB894. 1-86	55 Snap ring	1	
10	GB276-82	309 Bearing	1	
11	A50A5-00425	Bearing	1	
12	A50A5-00426	Cap	1	
13	A50A5-00427	Gasket	1	
14	A50A5-00428	52×72×12 Oil seal	5	
15	GB/T5785-2000	M10×1.25×30 Bolt	5	
16	GB/T93-1987	10 Washer, lock	1	

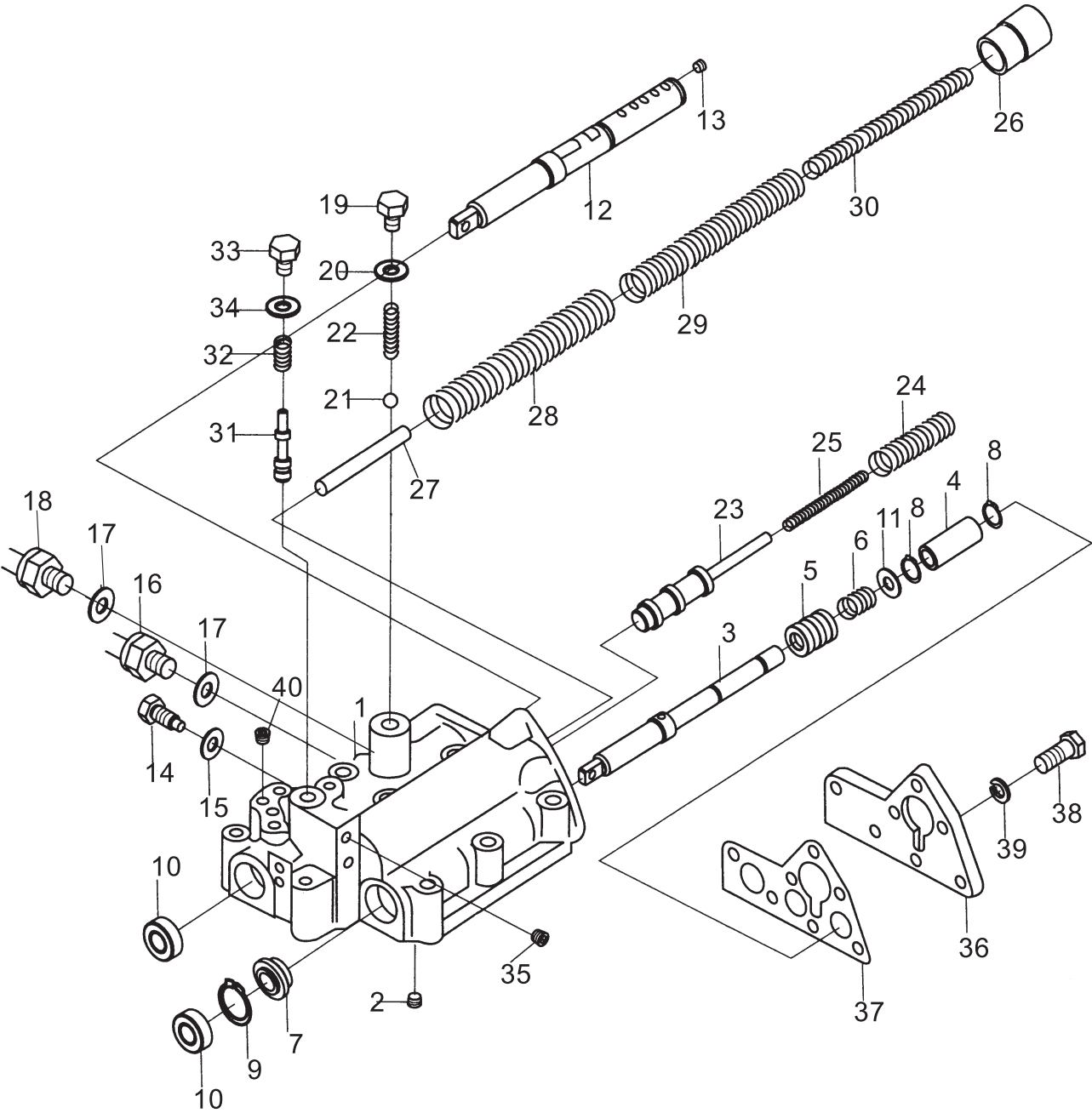
Control valve ass'y



Control valve ass'y

Item	Part No	Description	Q'ty	Remark
	A50A5-00600	Control valve ass'y	1	
1	A50A5-00601	Body, valve	1	
2	A50A5-00602	Plug	1	
3	A50A5-00603	Valve, inching	1	
4	A50A5-00604	Plunger	1	
5	A50A5-00605	Piston	1	
6	A50A5-00606	Spring	1	
7	A50A5-00607	Collar	1	
8	GB/T894.1-2000	12 Snap ring	2	
9	GB/T893.1-2000	30 Snap ring	1	
10	A50A5-00608	Oil seal	2	FD100B-W3
	A50A5-00614	14×30×10 Oil seal	2	FD100B-XC1
11	A50A5-00609	Spacer	1	
12	A50A5-00610	Valve lever	1	
13	A50A5-00611	Plug	1	
14	A50A5-00612	Bolt	1	
15	A50A5-00613	Washer	1	
16	DZ05G-J208	Switch	1	
17	DZ05G-J209	Switch	1	
18	A50A5-00615	Packing	2	
19	A50A5-00616	Plug	1	
20	A50A5-00617	Washer	1	
21	GB308-89	Φ10 Ball	1	
22	A50A5-00618	Spring	1	

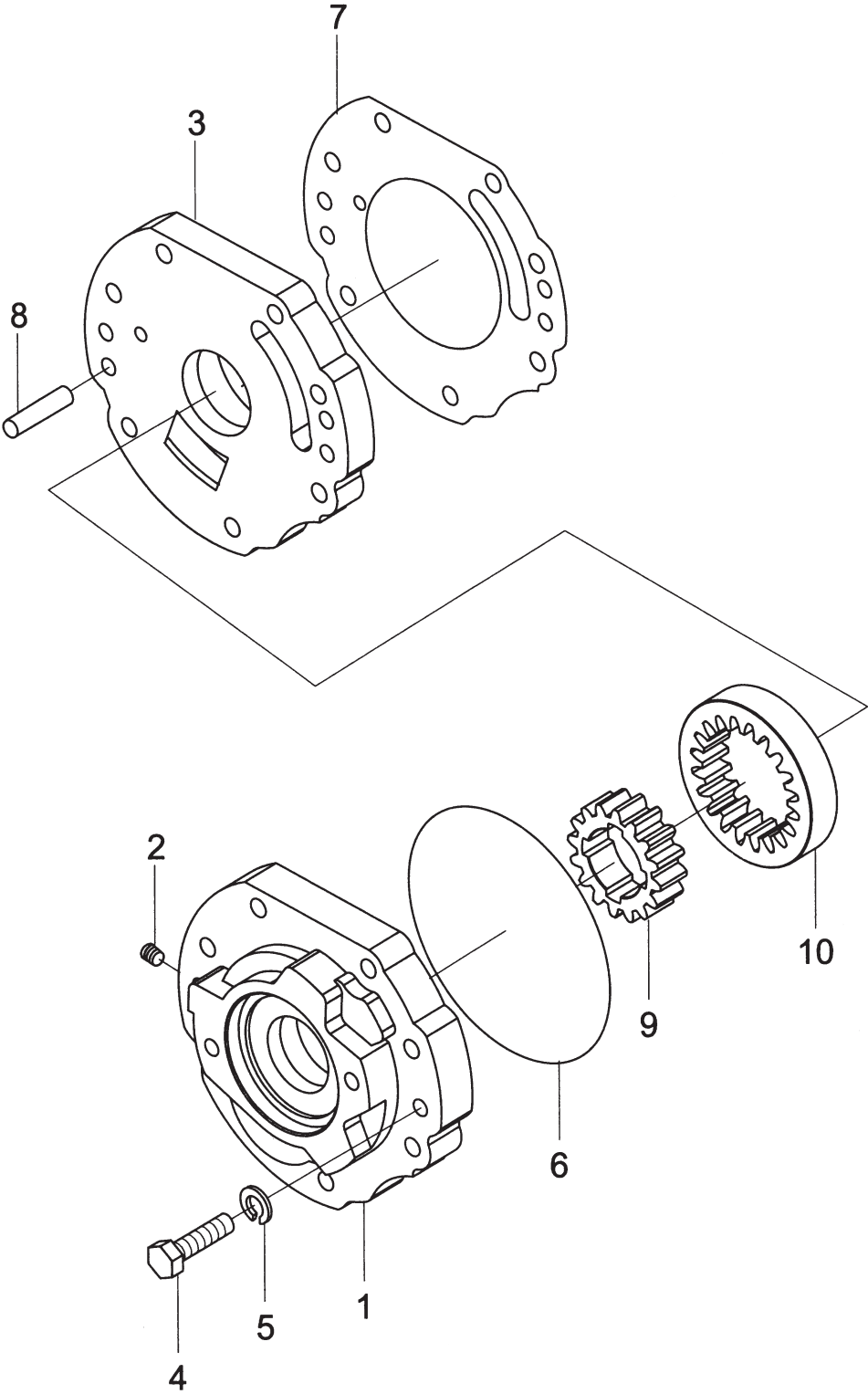
Control valve ass'y



Control valve ass'y

Item	Part No	Description	Q'ty	Remark
23	A50A5-00619	Valve lever, modulate	1	
24	A50A5-00620	Spring	1	
25	A50A5-00621	Spring	1	
26	A50A5-00622	Piston	1	
27	A50A5-00623	Stopper	1	
28	A50A5-00624	Spring	1	
29	A50A5-00625	Spring	1	
30	A50A5-00626	Spring	1	
31	A50A5-00627	Valve lever	1	
32	A50A5-00628	Spring	1	
33	A50A5-00629	Plug	1	
34	A50A5-00630	Washer	1	
35	A50A5-00631	Plug	4	
36	A50A5-00632	Cover	1	
37	A50A5-00633	Gasket	1	
38	GB/T5783-2000	M8×25 Bolt	7	
39	GB/T93-1987	8 Washer, lock	7	
40	A50A5-00634	Plug	5	

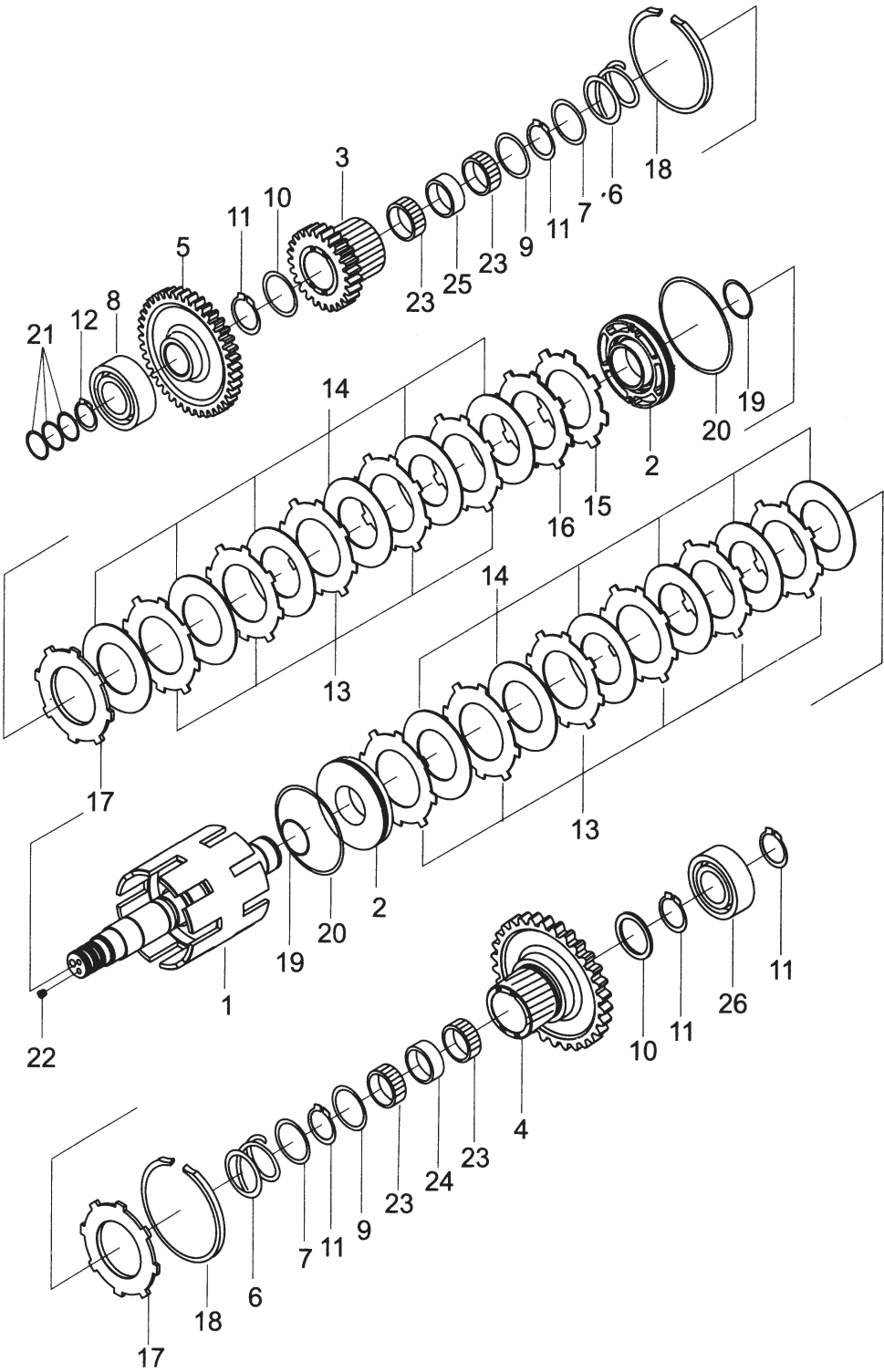
Charging pump



Charging pump

Item	Part No	Description	Q'ty	Remark
	A50A5-03100	Charging Pump ass'y	1	
1	A50A5-03101	Case, Pump	1	
2	A50A5-03102	ZG1/8 " Plug	1	
3	A50A5-03103	Cover	1	
4	GB/T5785-2000	M10×1.25×40 Bolt	2	
5	GB/T93-1987	10 Washer, lock	2	
6	GB/T1235-76	145×3.1 O-ring	1	
7	A50A5-03104	Shim	1	
8	GB119-86	B10×26 Pin	2	
9	A50A5-03105	Gear	1	
10	A50A5-03106	Gear, ring	1	

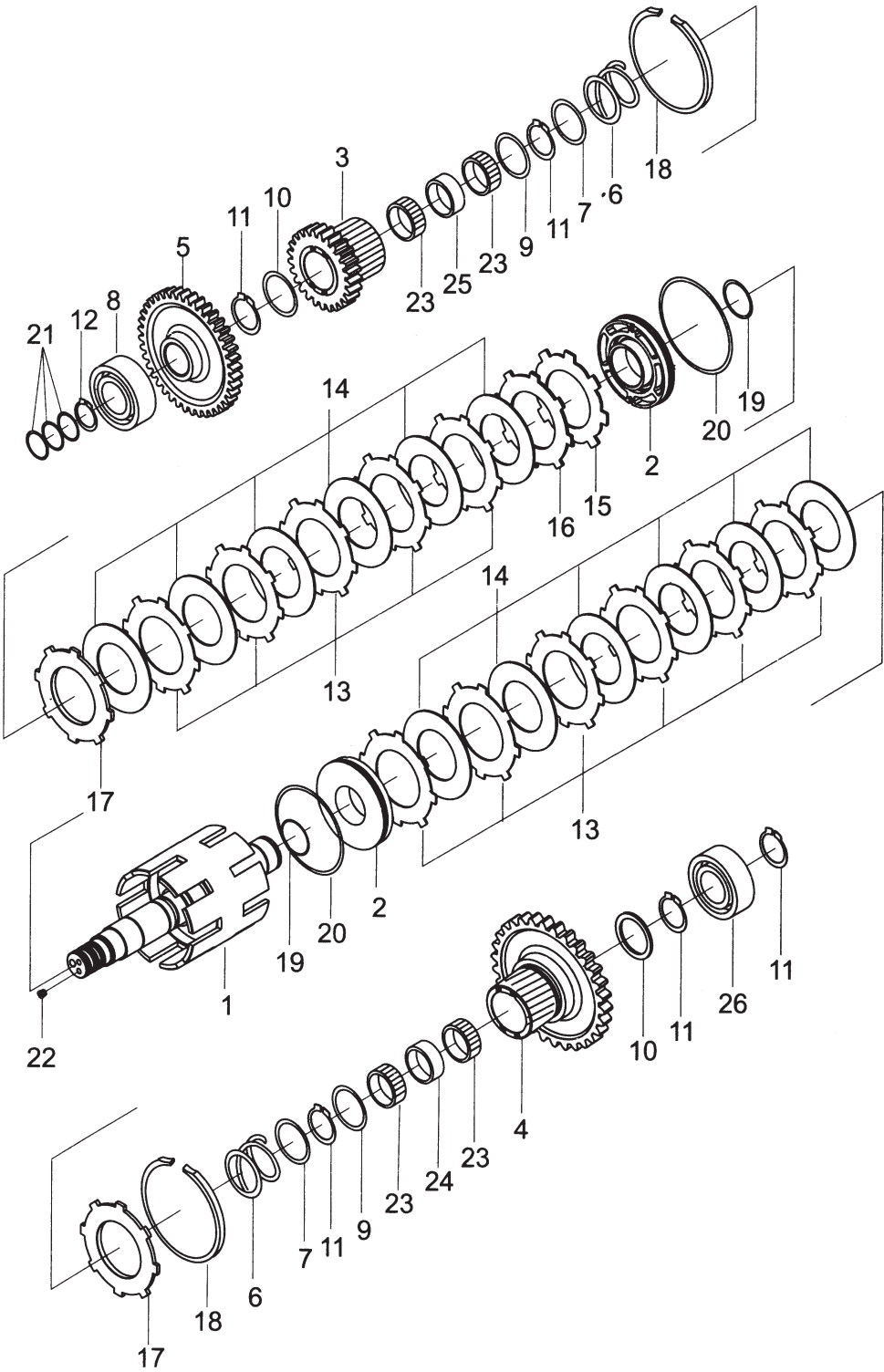
Hydraulic clutch I



Hydraulic clutch I

Item	Part No	Description	Q'ty	Remark
A	A50A5-01000	I Clutch	1	
1	A50A5-01100	Shaft ass'y	1	
2	A50A5-01200	Piston ass'y	2	
3	A50A5-01001	II Gear	1	
4	A50A5-01002	I Gear	1	
5	A50A5-01003	III Gear	1	
6	A50A5-01004	Spring	2	
7	A50A5-01005	Seat, spring	2	
8	GB/T276-94	6309 Bearing	1	
9	A50A5-01006	Ring, thrust	2	
10	A50A5-01007	Ring, thrust	2	
11	GB/T894. 1-2000	50 Snap ring	5	
12	GB/T894. 1-2000	45 Snap ring	1	
13	A50A5-01008	Plate, separator	13	
14	A50A5-01300	Plate, friction ass'y	14	
15	A50A5-01009	Plate	1	
16	A50A5-01010	Plate	1	
17	A50A5-01011	Plate, end	2	
18	A50A5-01012	Snap ring	2	
19	A50A5-01013	Ring	2	
20	A50A5-01014	Ring	2	
21	A50A5-01015	Ring	3	
22	A50A5-01016	Plug	2	
23	A50A5-01017	Bearing	4	
24	A50A5-01018	Spacer	1	
25	A50A5-01019	Spacer	1	
26	GB/T276-94	6210 Bearing	1	

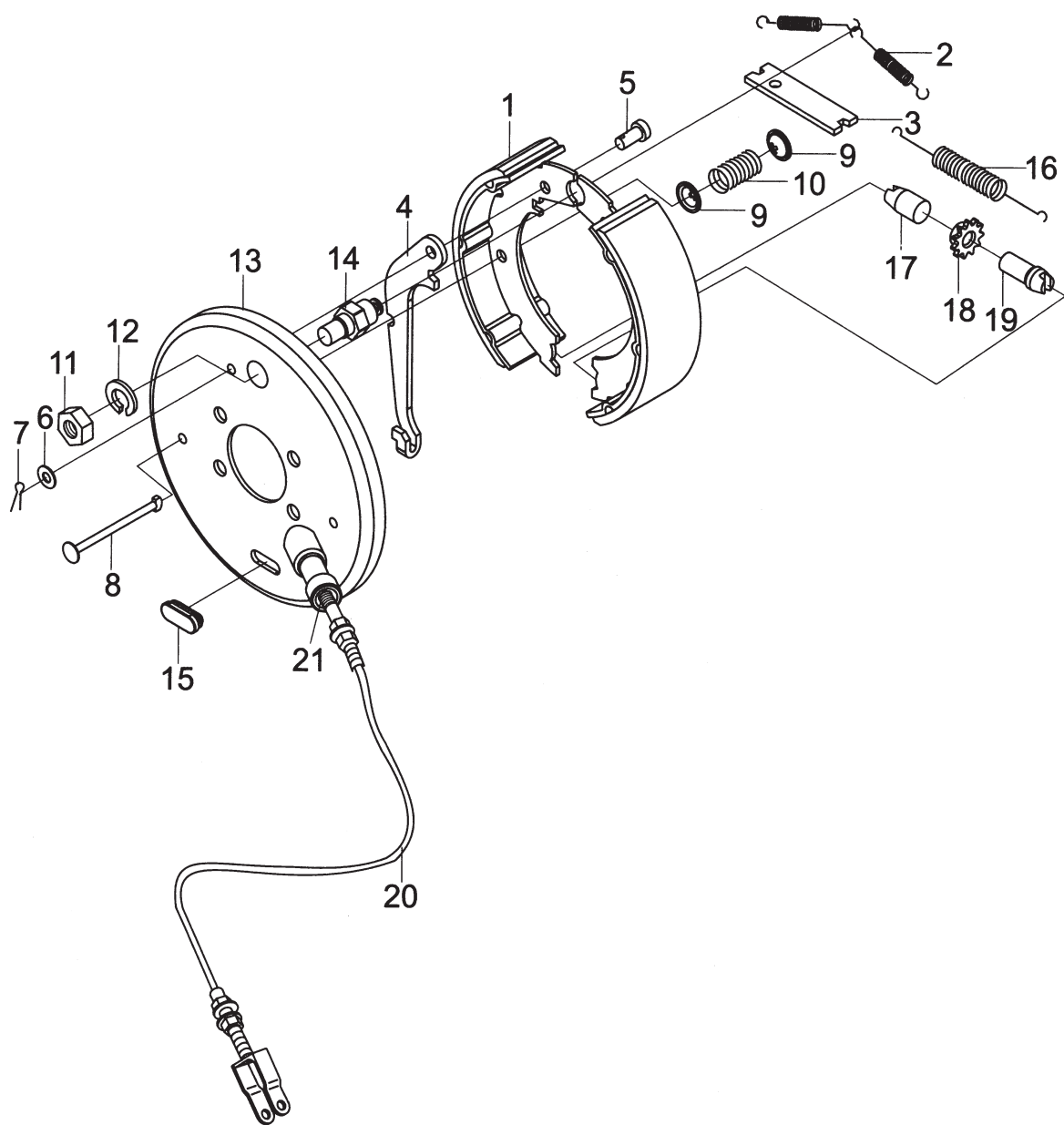
Hydraulic clutch II



Hydraulic clutch II

Item	Part No	Description	Q'ty	Remark
A	A50A5-02000	II Clutch	1	
1	A50A5-01100	Shaft ass'y	1	
2	A50A5-01200	Piston ass'y	2	
3	A50A5-01001	II Gear	1	
4	A50A5-02001	IV Gear	1	
5	A50A5-01003	III Gear	1	
6	A50A5-01004	Spring	2	
7	A50A5-01005	Seat, spring	2	
8	GB/T276-94	6309 Bearing	1	
9	A50A5-01006	Ring, thrust	2	
10	A50A5-01007	Ring, thrust	2	
11	GB894. 1-86	50 Snap ring	5	
12	GB894. 1-86	45 Snap ring	1	
13	A50A5-01008	Plate, separator	13	
14	A50A5-01300	Plate, friction ass'y'	14	
15	A50A5-01009	Plate	1	
16	A50A5-01010	Plate	1	
17	A50A5-01011	Plate, end	2	
18	A50A5-01012	Snap ring	2	
19	A50A5-01013	Ring	2	
20	A50A5-01014	Ring	2	
21	A50A5-01015	Ring	2	
22	A50A5-01016	Plug	2	
23	A50A5-01017	Bearing	4	
24	A50A5-01018	Spacer	1	
25	A50A5-01019	Spacer	1	
26	GB/T276-94	6210 Bearing	1	

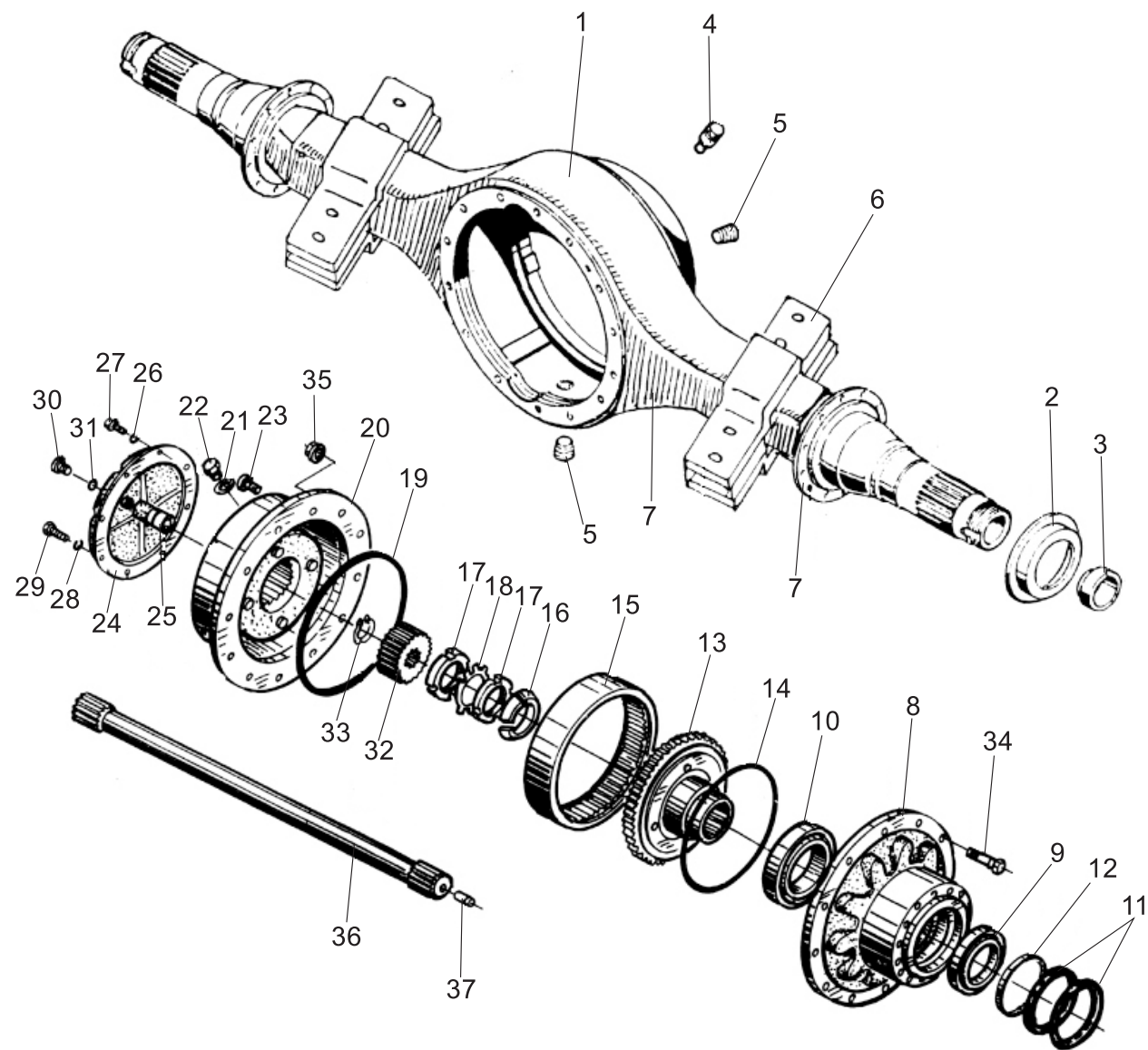
Parking brake ass'y



Parking brake ass'y

Item	Part No	Description	Q'ty	Remark
A	A50A5-00900	Parking brake ass'y	1	
1	A50A5-00901	Brake shoe & lining	2	
2	A50A5-00902	Sping	2	
3	A50A5-00903	Board	1	
4	A50A5-00904	Lever brake	1	
5	GB882-86	B8×16 Pin	1	
6	GB/T97.1-1985	Washer	1	
7	GB/T91-2000	3×20 Pin	1	
8	A50A5-00905	Pin	1	
9	A50A5-00906	Cup, shoe hold down	1	
10	A50A5-00907	Spring	1	
11	GB/T6171-2000	M8 Nut	1	
12	GB/T93-1987	8 Washer, lock	1	
13	A50A5-00908	Back plate ass'y	1	
14	A50A5-00909	Pin	1	
15	A50A5-00910	Plug	1	
16	A50A5-00911	Sping	1	
17	A50A5-00912	Adjuster cover	1	
18	A50A5-00913	Adjuster wheel	1	
19	A50A5-00914	Adjuster screw	1	
20	A50A5-00915	Cable ass'y	1	
21	A50A5-00916	Spring	1	

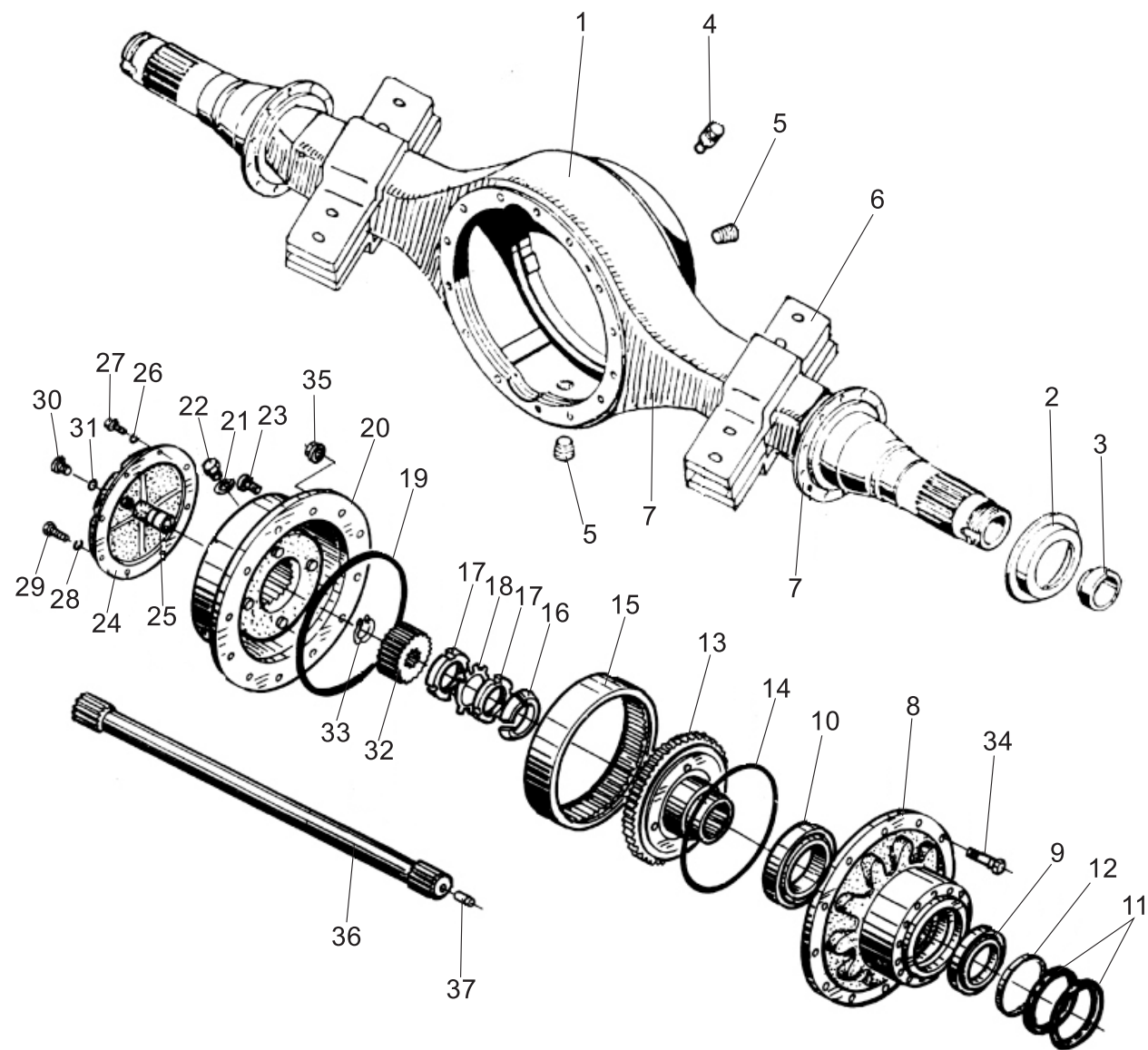
Drive axle



Drive axle

Item	Part No	Description	Q'ty	Remark
1	A90A5-00101	Housing axle	1	
2	A90A5-00102	Seal, oil	2	
3	A90A5-00103	Spacer bush	2	
4	A90A5-00104	Breather	1	
5	A90A5-00105	Plug	2	
6	A90A5-00106	Support plate	2	
7	A90A5-00107	Bracket	2	
8	A90A5-00108	Hub	1	
9	A90A5-00109	Bearing	1	
10	A90A5-00110	Bearing	1	
11	A90A5-00111	Seal, oil	1	
12	A90A5-00112	Seal, oil	1	
13	A90A5-00113	Gear	1	
14	A90A5-00114	Snap ring	1	
15	A90A5-00115	Support	1	
16	A90A5-00116	Tapersleeve	1	
17	A90A5-00117	Nut	2	
18	A90A5-00118	Washer, thrust	1	
19	A90A5-00119	Ring	1	
20	A90A5-00120	Carrier, planet	1	
21	A90A5-00121	Screw	3	
22	A90A5-00122	Washer	1	

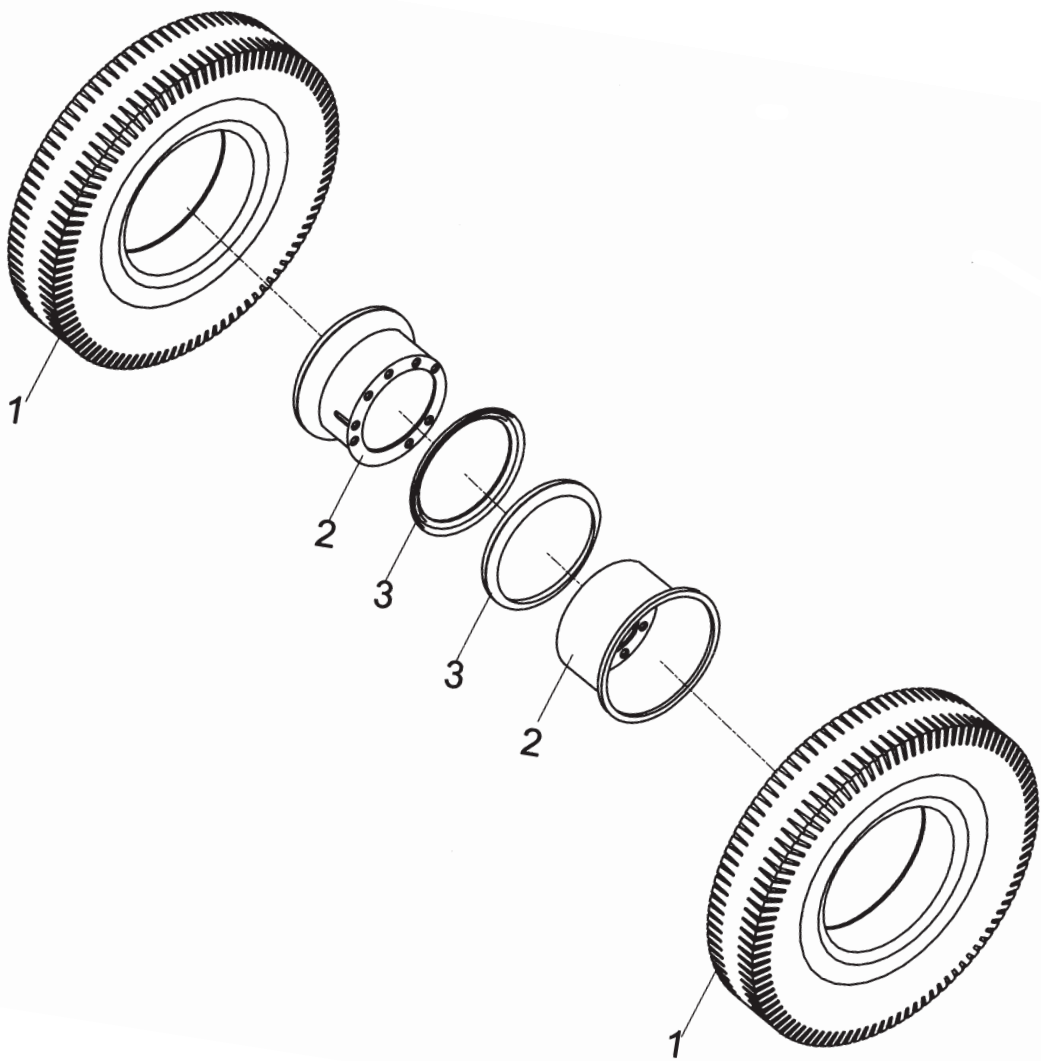
Drive axle



Drive axle

Item	Part No	Description	Q'ty	Remark
23	A90A5-00123	Plug	1	
24	A90A5-00124	Cover	1	
25	A90A5-00125	Baffleplate	1	
26	A90A5-00126	Washer	1	
27	A90A5-00127	Plug	1	
28	A90A5-00128	Washer	7	
29	A90A5-00129	Bolt	7	
30	A90A5-00130	Washer	1	
31	A90A5-00131	Bolt	1	
32	A90A5-00132	Sun gear	1	
33	A90A5-00133	Ring	1	
34	A90A5-00134	Bolt	20	
35	A90A5-00135	Nut	20	
36	A90A5-00136	Axle shaft	1	
37	A90A5-00137	Strut	1	

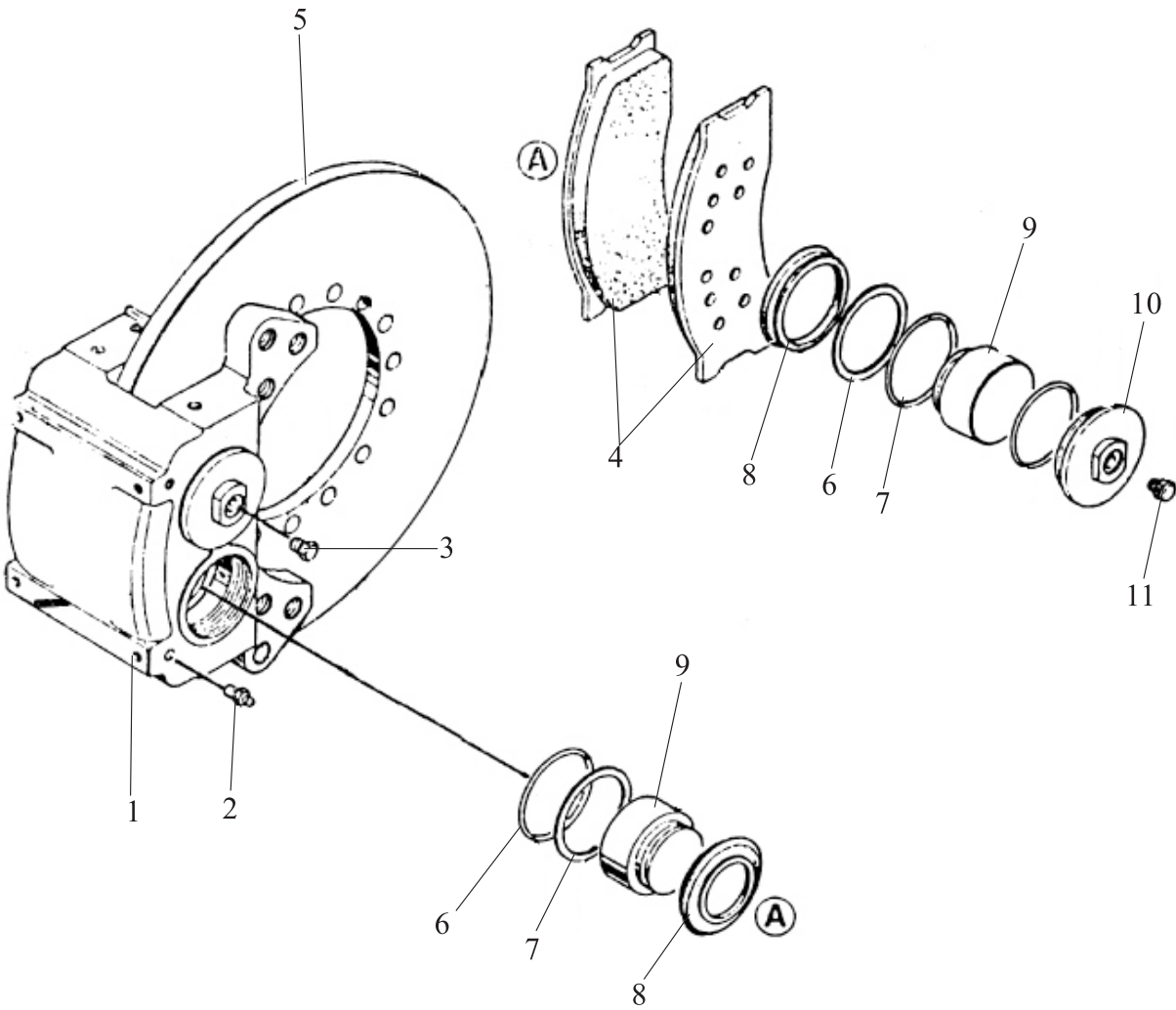
Driving wheel assembly



Driving wheel assembly

Item	Part No	Description	Q'ty	Remark
A	A90A5-00200	Rim ass'y (Inc.2,3)	4	
1	GB2982-2001	9.00-20-14PR Tyre	4	
2	A90A5-00201	Rim	4	
3	A90A5-00202	Snap,ring	4	

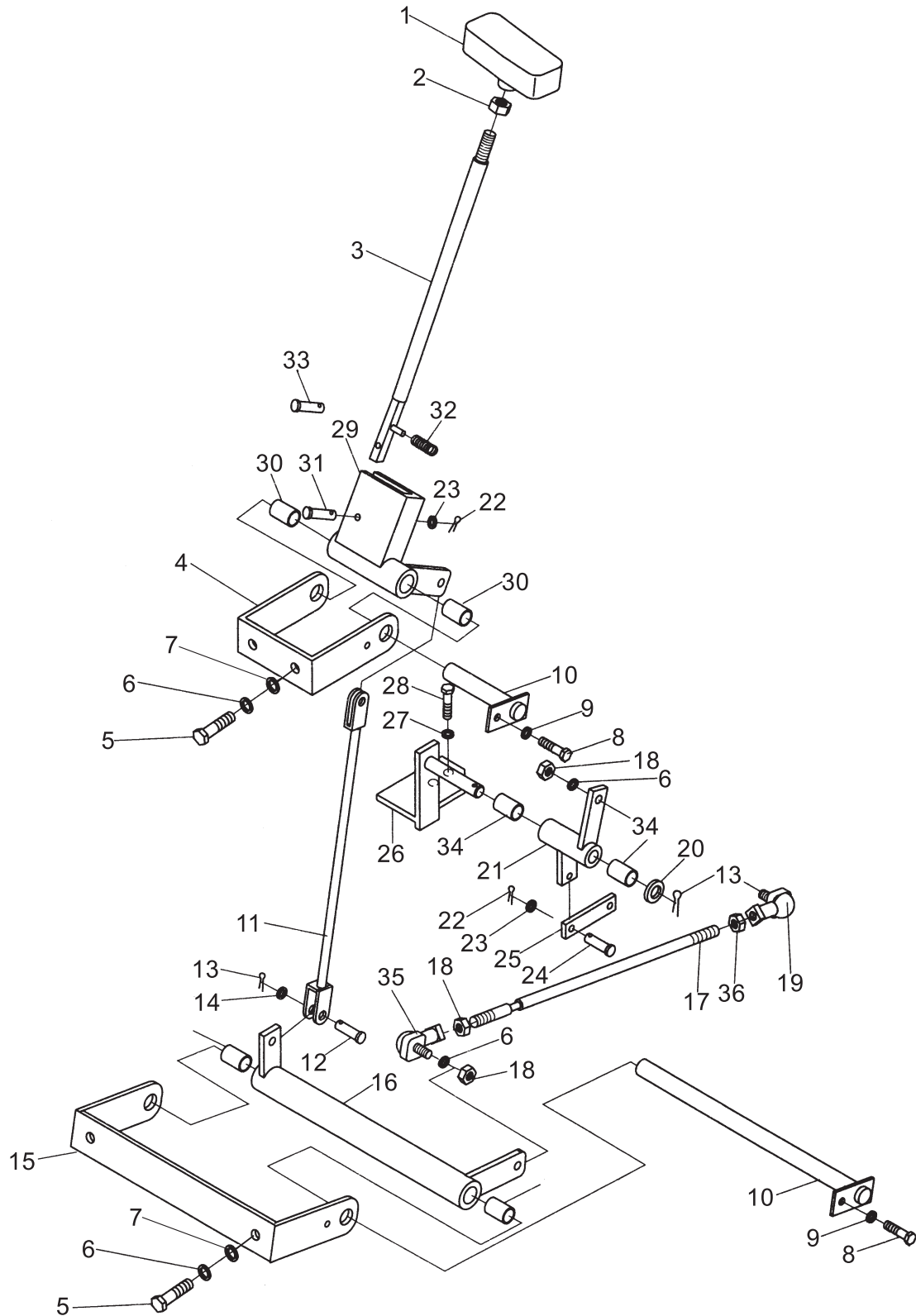
Wheel brake



Wheel brake

Item	Part No	Description	Q'ty	Remark
1	A90A5-00500	Wheel brake	1	
2	A90A5-00501	Bleed nipple	1	
3	A90A5-00502	Screw	2	
4	A90A5-00503	Friction plate ass'y	2	
5	A90A5-00504	Brake disc	2	
6	A90A5-00505	O-ring	4	
7	A90A5-00506	Sealing ring	4	
8	A90A5-00507	Dust ring	4	
9	A90A5-00508	Piston	4	
10	A90A5-00509	Pump cover	1	
11	A90A5-00510	Grommet plug	1	

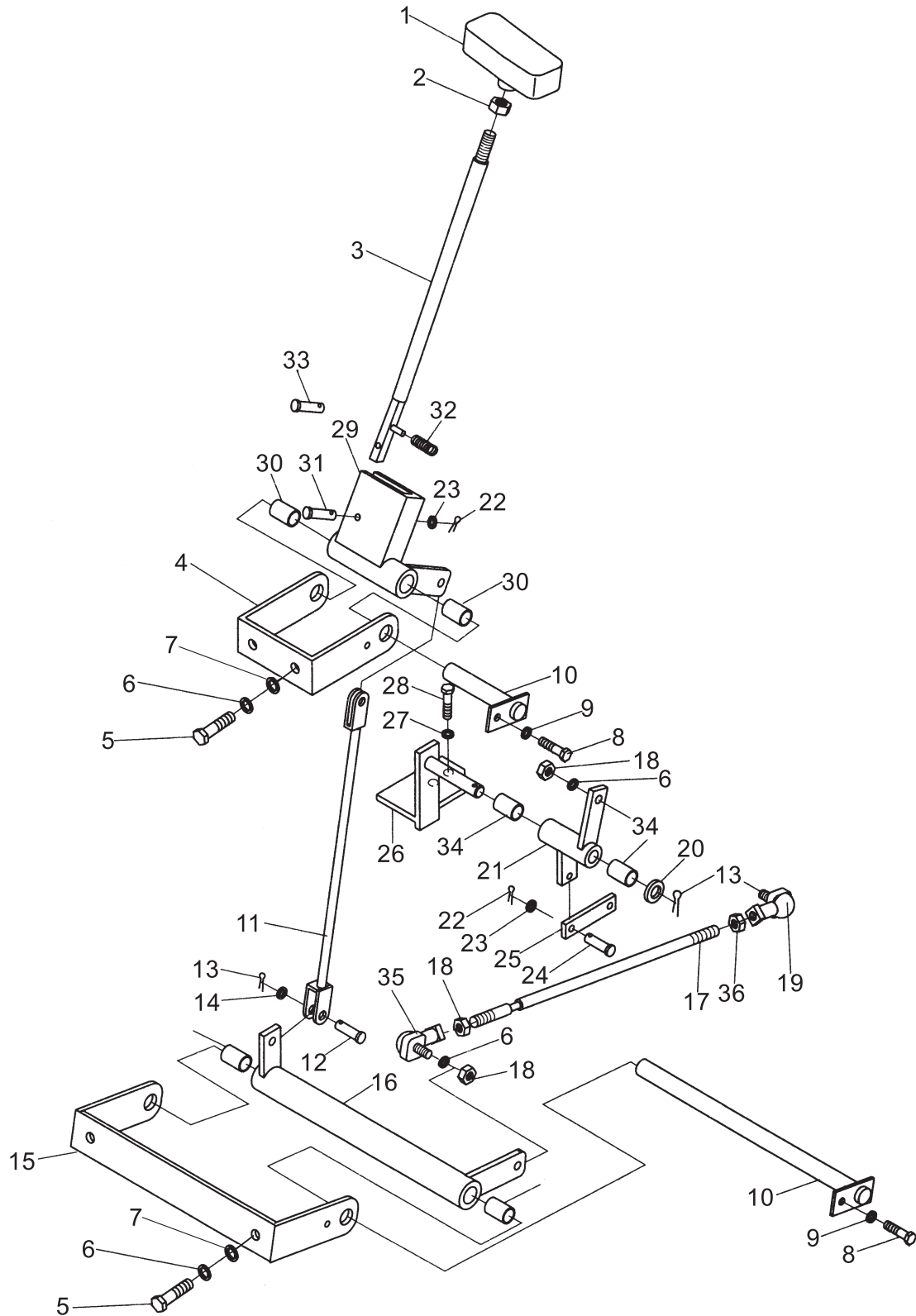
Transmission control linkage



Transmission control linkage

Item	Part No	Description	Q'ty	Remark
A	A90C5-00300	Transmission control linkage	1	FD100B-XC1
	A90B5-00200	Transmission control linkage	1	FD100B-W1
1	A50A5-06001	Knob	1	
2	GB/T6172-2000	M10 Nut	1	
3	A50A5-06002	Lever	1	
4	A50A5-06003	Bracket(upper)	1	
5	GB/T5783-2000	M8×35 Bolt	4	
6	GB/T93-1987	8 Washer,lock	6	
7	GB/T97.1-1985	8 Washer	4	
8	GB/T5783-2000	M6×12 Bolt	2	
9	GB/T93-1987	6 Washer,lock	2	
10	A50A5-06004	Shaft	1	
11	A50A5-06005	Link	1	
12	GB882-86	B8×18 Pin,clevis	2	
13	GB/T91-2000	3.2×26 Pin,cotter	3	
14	GB/T97.1-1985	8 Washer	3	
15	A50A5-06006	Bracket(lower)	1	
16	A50A5-06007	Boss	1	
17	A50A5-06008	Link	1	FD100B-W1
	A90C5-00301	Link	1	FD100B-XC1
18	GB/T6172-2000	M8 Nut	3	
19	A50A5-06009	Bearing	1	
20	GB/T97.1-1985	10 Washer	1	

Transmission control linkage

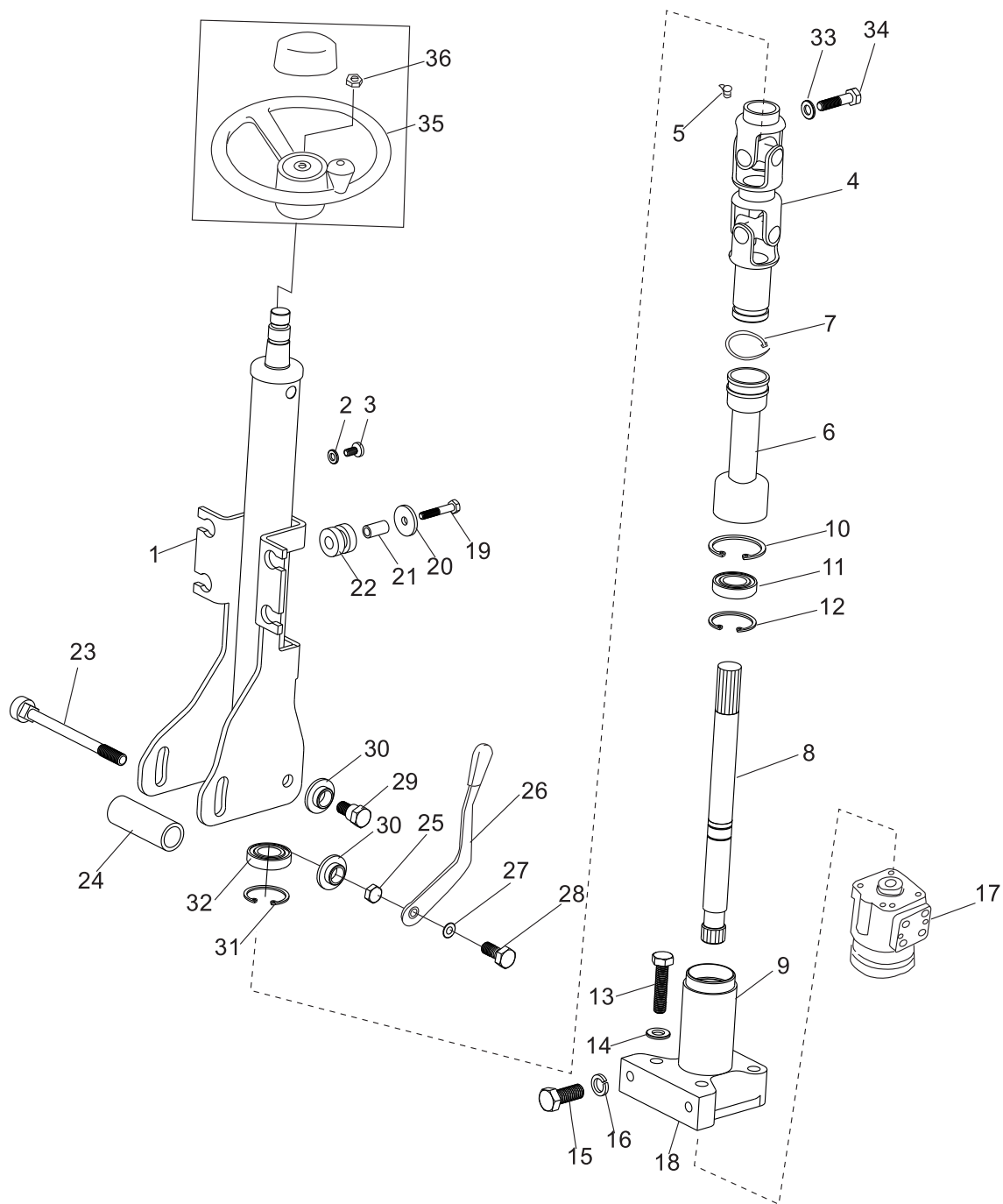


Transmission control linkage

Item	Part No	Description	Q'ty	Remark
21	A50A5-06010	Boss	1	
22	GB/T91-2000	1.6×10 Pin,cotter	3	
23	GB/T97.1-1985	6 Washer	2	
24	GB/T882-2000	B6×26 Pin	1	
25	A50A5-06011	Link	2	
26	A50A5-06012	Bracket	1	
27	GB/T93-1987	10 Washer,lock	5	
28	GB/T5786-2000	M10×1.25×20 Bolt	2	
29	A50A5-06013	Boss	1	
30	A50A5-06014	16×25 Bushing	4	
31	GB/T882-2000	B6×35 Pin,clevis	1	
32	A50A5-06015	Spring	1	
33	A50A5-06016	Pin,clevis	1	
34	A50A5-06017	1215 Bushing	2	
35	A50A5-06018	Bearing	1	
36	GB/T6170-2000	M8 Nut	1	

STEERING SYSTEM

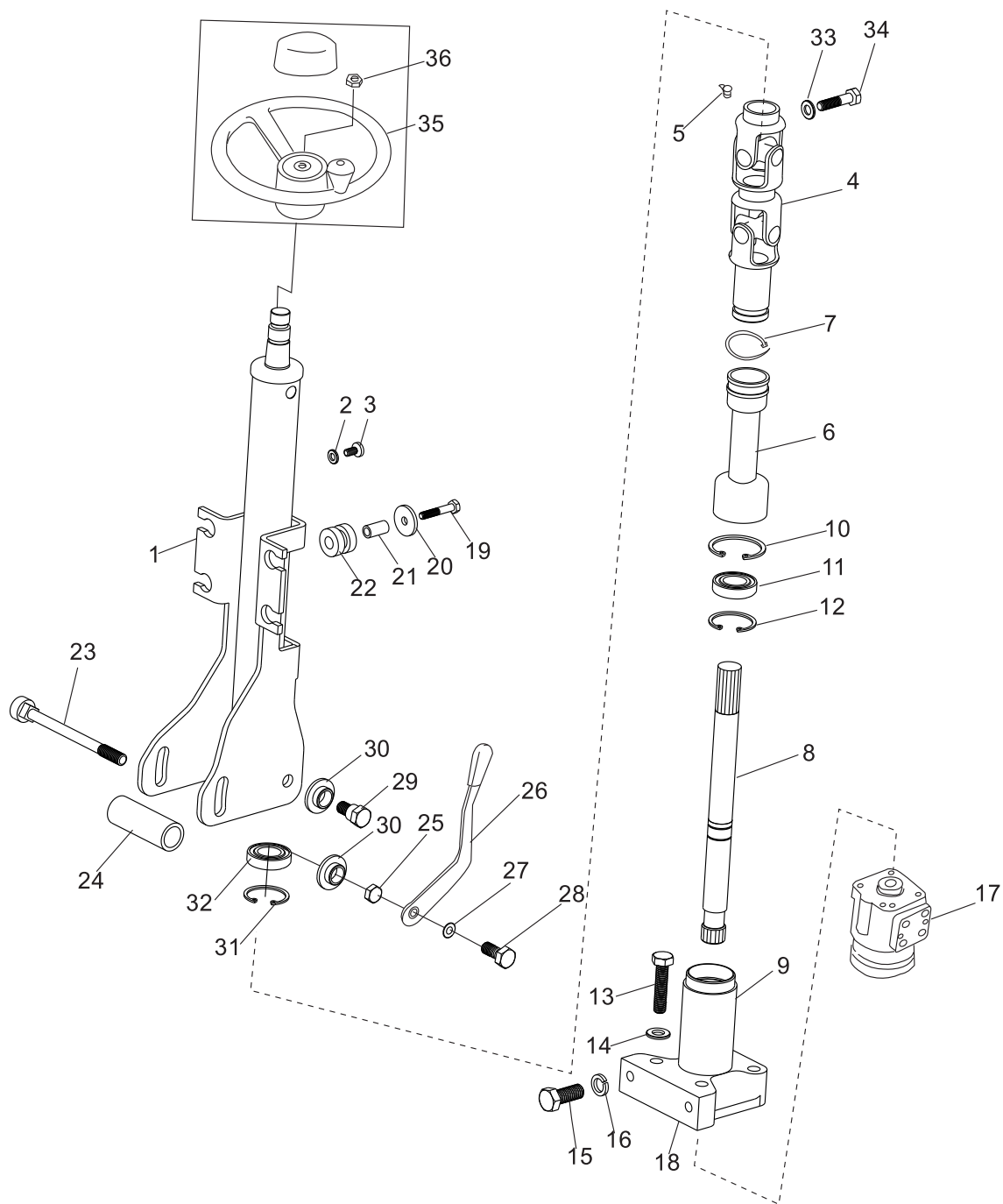
Steering control



Steering control

Item	Part No	Description	Q'ty	Remark
1	A50A6-00100	Steering column	1	
2	GB/T97.1-1985	6 Washer	4	
3	GB/T65-2000	M6×12 Bolt	4	
4	A50A6-00200	Joint	1	
5	GB1152-82	M10×1 Cup,grease	1	
6	A30C6-00003	Boot	1	
7	DZ-04015	ZD4×150 Band	1	
8	A30C6-00301	Link	1	
9	A30C6-00302	Flange	1	
10	GB/T893.1-1986	37 Snap ring	1	
11	GB/T276-94	61904-2Z Bearing	1	
12	GB/T894.1-1986	20 Snap ring	2	
13	GB/T5782-2000	M10×45 Bolt	4	
14	GB/T93-1987	10 Washer, Lock	4	
15	GB/T5786-2000	M12×1.25×20 Bolt	2	
16	GB/T93-1987	12 Washer, Lock	2	
17	A50A4-40000	280ml/Redirector	1	
18	A30A6-00006	Shim	1	

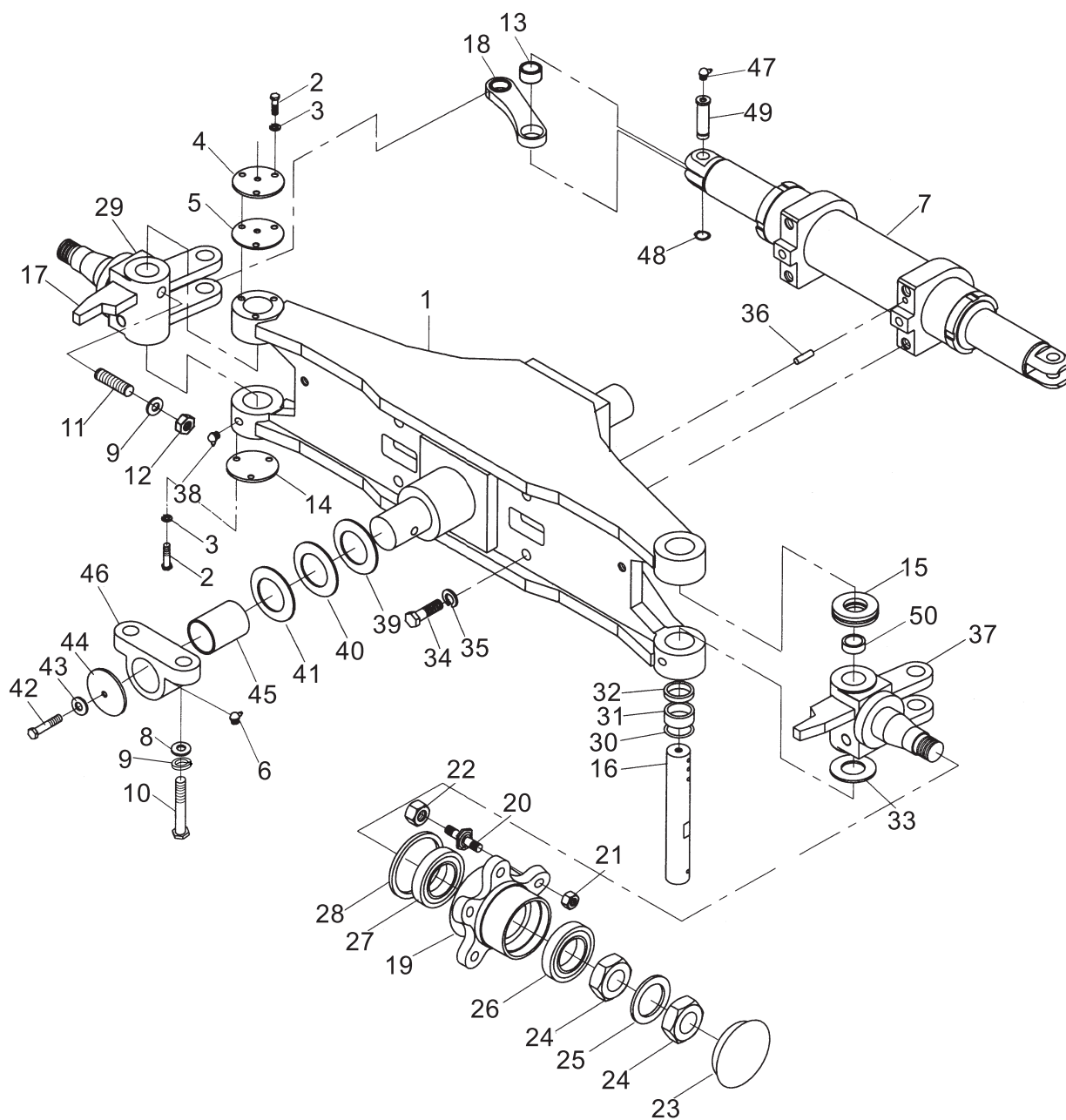
Steering control



Steering control

Item	Part No	Description	Q'ty	Remark
19	GB/T5782-2000	M6×35 Bolt	4	
20	A30A6-00007	Washer	4	
21	A30A6-00008	Spacer	4	
22	A30A6-00009	Rubber	4	
23	A30B6-00001	Bolt	1	
24	A30C6-00002	I Spacer	1	
25	A30B6-00002	Nut	1	
26	A30B6-00100	Lever	1	
27	A30B6-00003	Washer	1	
28	A30B6-00004	Bolt	1	
29	A30A6-00005	Bolt	2	
30	A30A6-00004	Washer	4	
31	GB/T894.1-1986	20 Snap ring	1	
32	GB/T276-94	61904-Z Bearing	1	
33	GB/T93-1987	8 Washer, Lock	1	
34	GB/T5782-2000	M8×35 Bolt	1	
35	A50A6-00300	φ 360 Wheel,Steering ass'y	1	
36	GB/T6173-2000	M16×1.5 Nut	1	

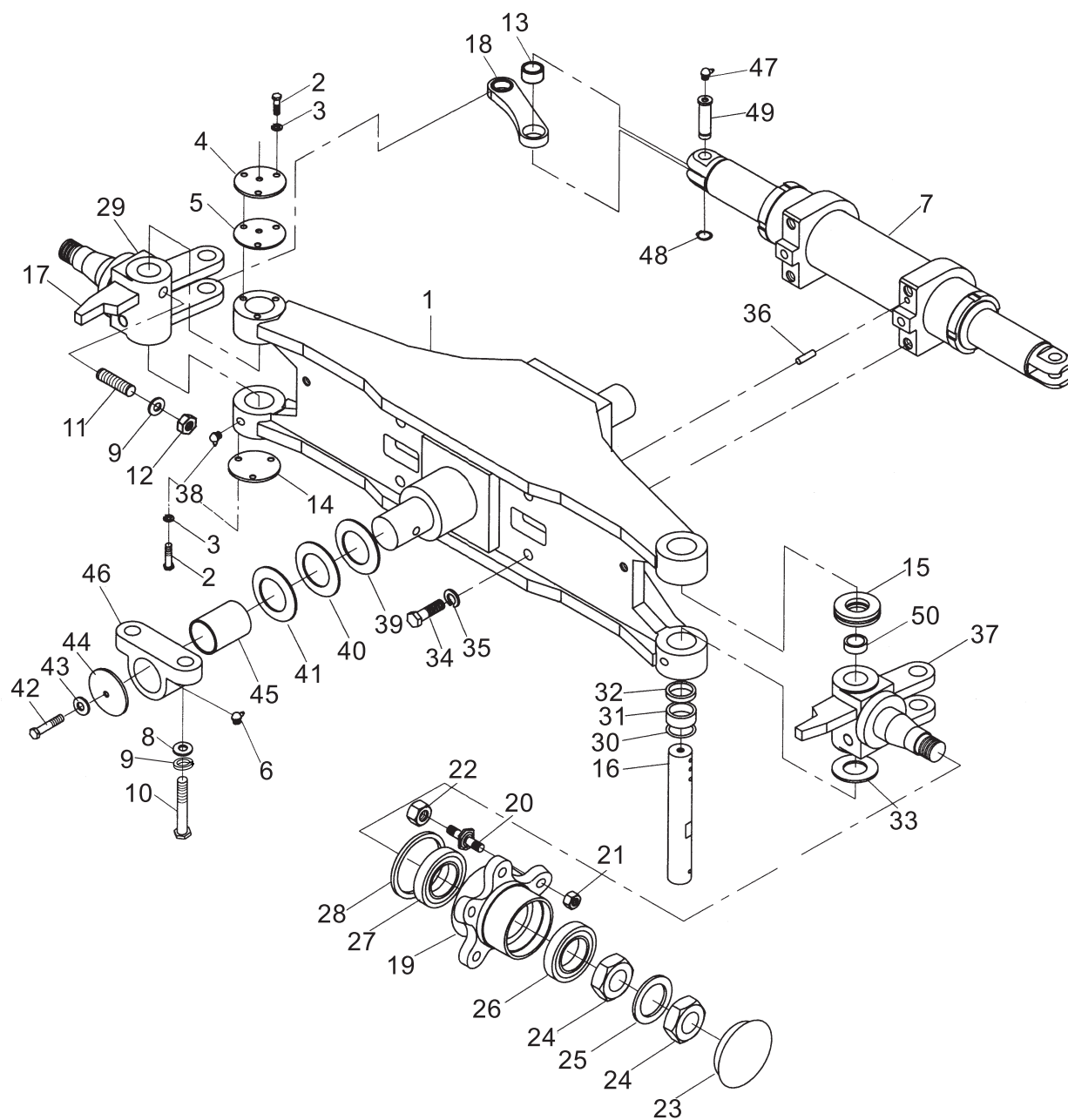
Steering axle



Steering axle

Item	Part No	Description	Q'ty	Remark
1	A90A6-10100	Axle ass'y	1	
2	GB/T5783-2000	M8×16 Bolt	12	
3	GB/T93-1987	8 Washer,lock	12	
4	A50A6-10201	Cap,hub	2	
5	A50A6-10202	Washer	2	
6	ZBT33001.2-88	Fitting,grease	2	
7	A90A6-10300	Power cylinder ass'y	1	
8	GB/T97.1-1985	16 Washer,lock	8	
9	GB/T93-1987	16 Washer,lock	10	
10	GB/T5783-2000	M16×1.5×65 Bolt	8	
11	GB/T78-1985	M16×50 Screw	2	
12	GB/T6170-2000	M16 Nut	2	
13	GB9163-90	GE30ES Bearing	4	
14	A50A6-10203	Nut	2	
15	GB301-89	8212 Bearing	2	
16	A50A6-10205	Pin,king	2	
17	A50A6-10206	Board	2	
18	A50A6-10207	Link	2	
19	A90A6-10101	Hub	2	
20	A50A6-10209	Bolt,hub	12	
21	A50A6-10210	Nut,hub	12	
22	GB/T6171-2000	M20×1.5 Nut	12	
23	A50A6-10211	Cap, hub	2	
24	GB812-88	M55×2 Nut	4	
25	GB858-88	55 Washer	2	

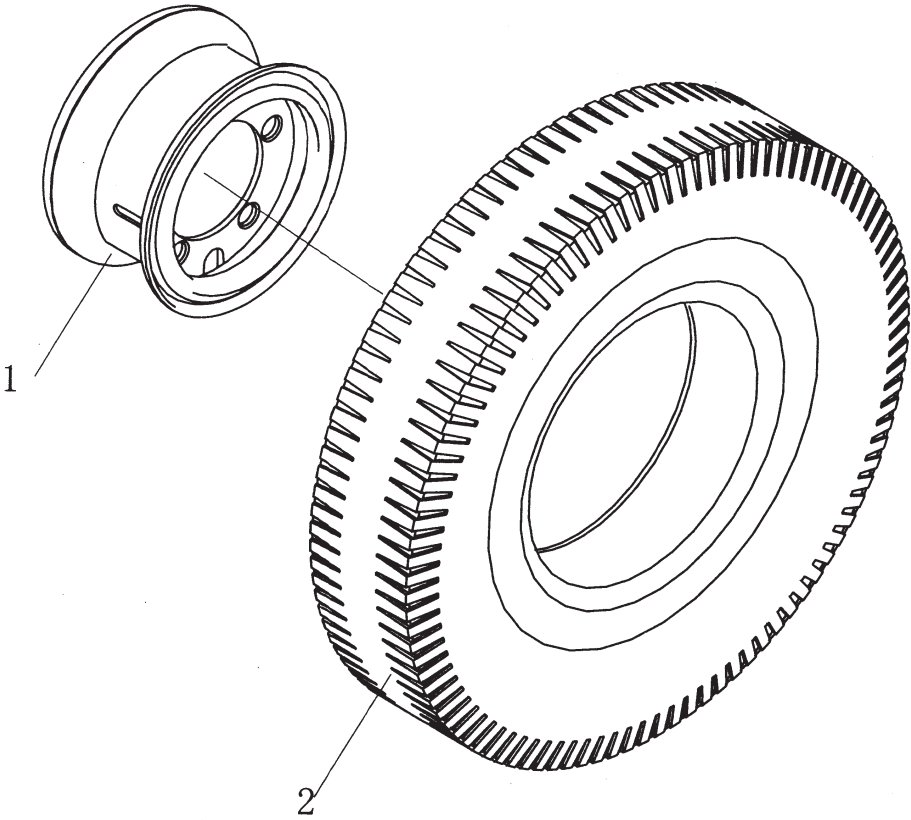
Steering axle



Steering axle

Item	Part No	Description	Q'ty	Remark
26	GB/T297-94	32211 Bearing	2	
27	GB/T297-94	32215 Bearing	2	
28	GB9877.1-88	B95×130×12D U-ring	2	
29	A90A6-10400(R)	Knuckle,R.H. ass'y	1	
30	A50A6-10212	Seal, oil	4	
31	A50A6-10213	Bearing,needle	8	
32	A50A6-10214	Spacer	2	
33	A50A6-10215	Shim	2	
34	GB/T5786-2000	M20×1. 5×55 Bolt	4	
35	GB/T93-1987	20 Washer,lock	4	
36	GB/T119-2000	B16×32 Pin	2	
37	A90A6-10400(L)	Knuckle,L.H. assy	1	
38	ZBT33001.1-88	Fitting,grease	2	
39	A90A6-10102	Shim	2	
40	A90A6-10103	Shim	2	
41	A90A6-10104	Shim	2	
42	GB/T5786-2000	M12×1. 5×25 Bolt	2	
43	GB/T93-1987	12 Washer,lock	2	
44	A50A6-10220	Plate	2	
45	A90A6-10105	Bushing	4	
46	A90A6-10106	Bracket	2	
47	GB1153-89	M6 Fitting,grease	4	
48	GB/T894.1-2000	30 Snap ring	4	
49	A50A6-10223	Pin	4	
50	A90A6-10107	Bushing	2	

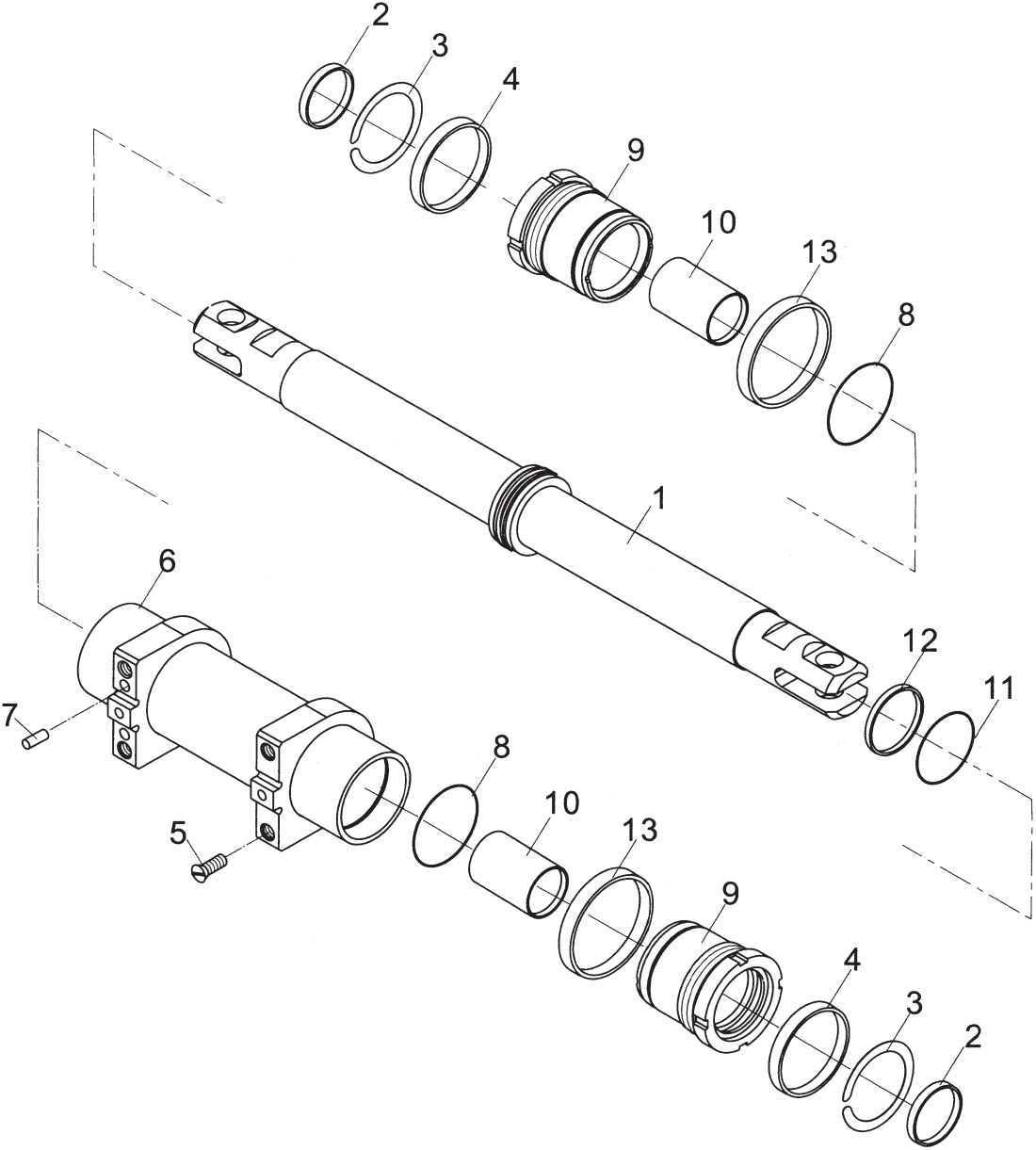
Steering wheel



Steering wheel

Item	Part No	Description	Q'ty	Remark
1	A90A6-10200	7.00T-20 Rim ass'y	2	
2	GB2982-2001	9.00-20-14PR Tire	2	

Steering cylinder



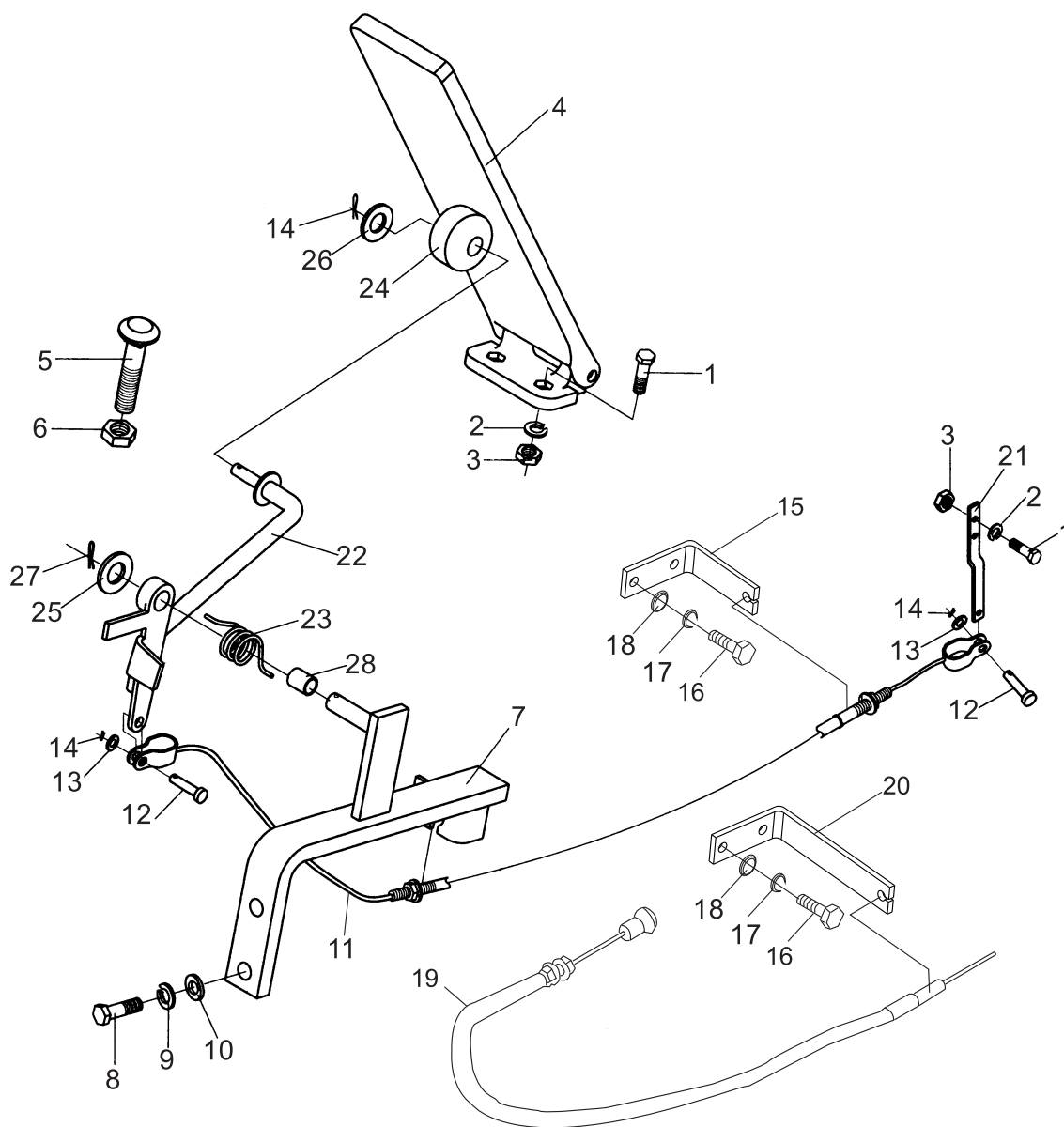
Steering cylinder

Item	Part No	Description	Q'ty	Remark
A	A90A6-10300	Power cylinder	1	
1	A90A6-10500	Piston rod ass'y	1	
2	A50A6-10401	d85 Dust ring	2	
3	A50A6-10402	85×100×3 Ring, snap	2	
4	A50A6-10403	d85 U-ring	2	
5	GB/T5786-2000	M16×1.5×35 Blot	2	
6	A90A6-10301	Body, power steering	1	
7	A50A6-10406	Pin	2	
8	GB/T1235-76	115×3.1 O-ring	2	
9	A90A6-10302	Guide	2	
10	A50A6-10408	8580 Bushing	2	
11	GB/T1235-76	110×5.7 O-ring	1	
12	A50A6-10409	Seal, slipper	1	
13	A50A6-10410	Sear, slipper	2	

ACCELERATOR PEDAL

Accelerator pedal

FD100B-XC1



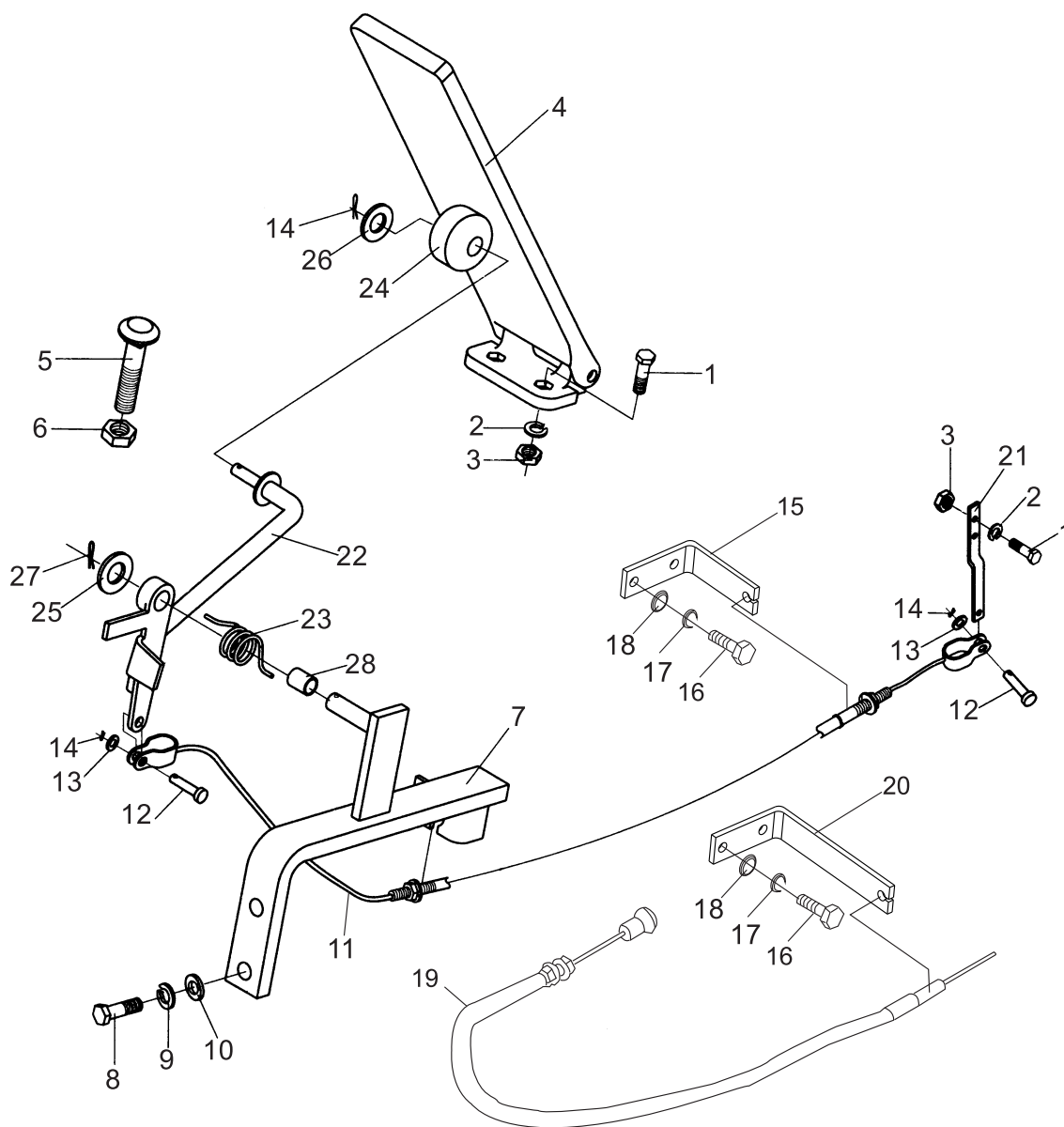
Accelerator pedal

FD100B-XC1

Item	Part No	Description	Q'ty	Remark
1	GB/T5783-2000	M6×20 Bolt	2	
2	GB/T93-1987	6 Washer,lock	2	
3	GB/T6170-2000	M6 Nut	2	
4	A30A7-30100	Accelerator pedal ass'y	1	
5	A30A7-30002	Bolt	1	
6	GB/T6170-2002	M12 Nut	1	
7	A50A7-30100	Bracket ass'y	1	
8	GB/T5783-2000	M10×35 Bolt	2	
9	GB/T93-1987	10 Washer,lock	2	
10	GB/T97.1-2002	10 Washer	2	
11	A90C7-30100	Soft shaft ass'y	1	
12	GB/T882-1986	6×16 Pin	2	
13	GB/T97.1-2002	6 Washer	2	
14	GB/T91-2000	1.6×20 Pin	3	
15	A90C7-30002	Bracket	1	
16	GB/T5783-2000	M8×20 Bolt	4	
17	GB/T93-1987	8 Washer,lock	4	
18	GB/T97.1-2002	8 Washer	4	
19	A90C7-30200	Pedal	1	
20	A90C7-30001	Bracket	1	
21	A50A7-30002	Link	1	
22	A50A7-30300	Link ass'y	1	

Accelerator pedal

FD100B-XC1



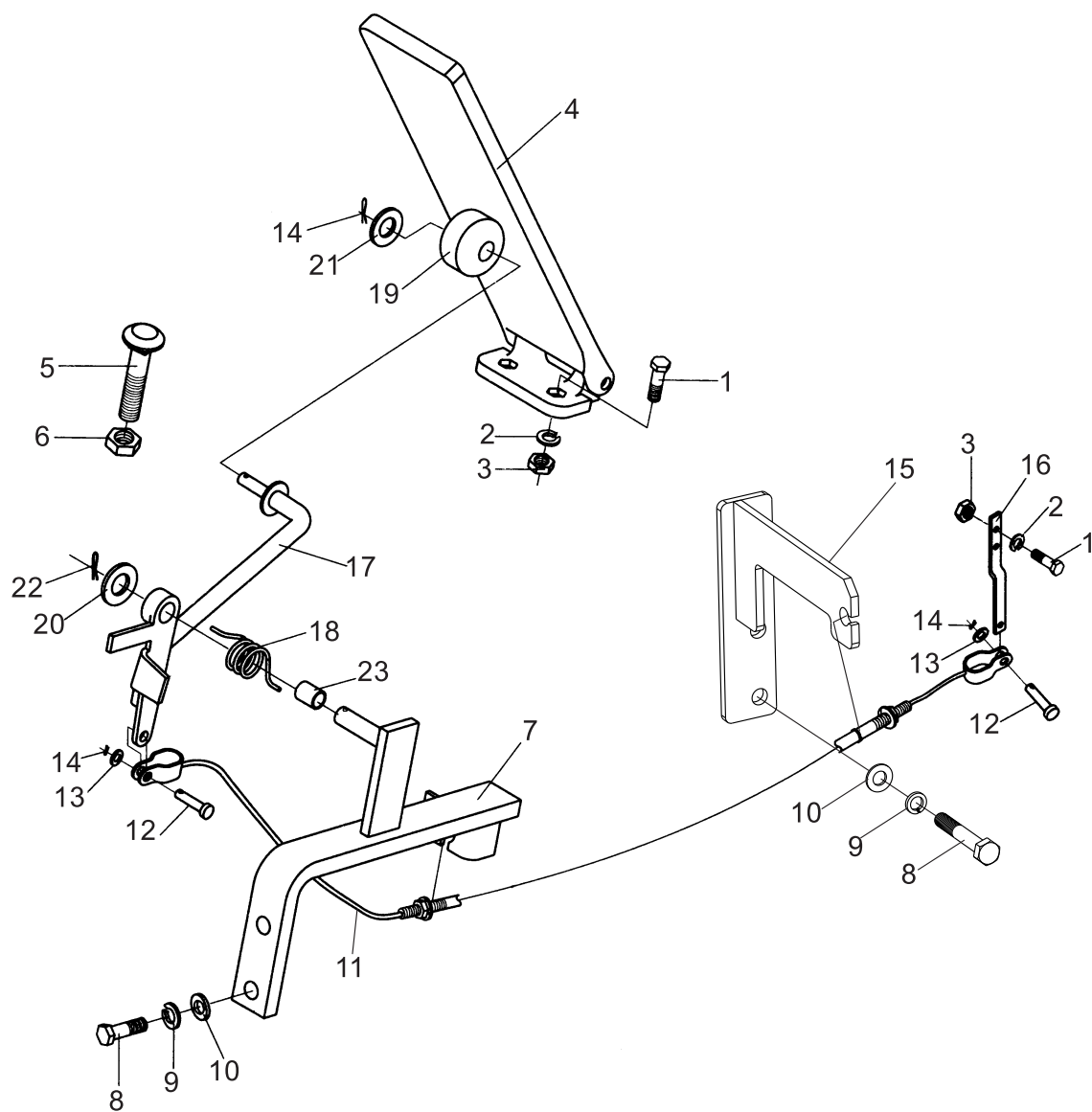
Accelerator pedal

FD100B-XC1

Item	Part No	Description	Q'ty	Remark
23	A50A7-30301	Spring	1	
24	A30A7-30001	Sheave	1	
25	GB/T97.1-1985	10 Washer	1	
26	GB/T97.1-1985	6 Washer	1	
27	GB/T91-2000	3.2×26 Pin	1	
28	Z2131-01015	1015 Bushing	1	

Accelerator pedal

FD100B-W3



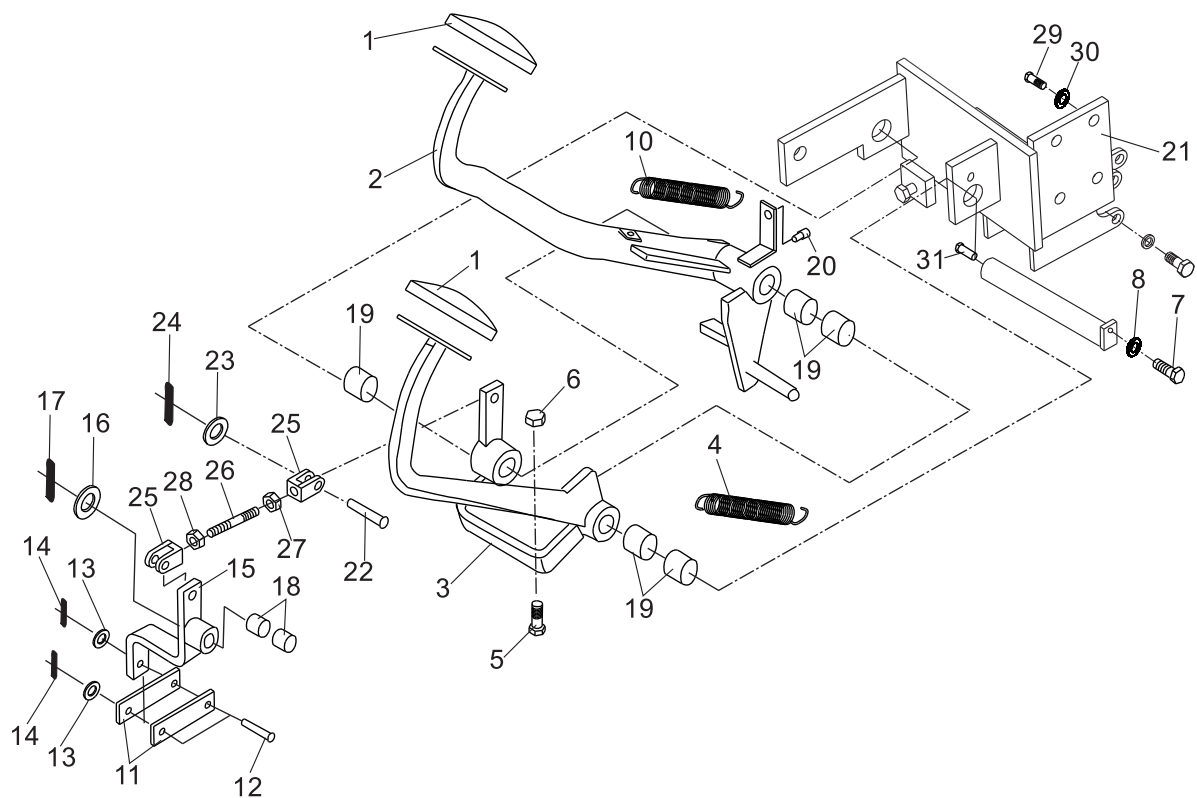
Accelerator pedal

FD100B-W3

Item	Part No	Description	Q'ty	Remark
1	GB/T5783-2000	M6×20 Bolt	4	
2	GB/T93-1987	6 Washer,lock	4	
3	GB/T6170-2000	M6 Nut	4	
4	A30A7-30100	Accelerator pedal ass'y	1	
5	A30A7-30002	Bolt	1	
6	GB/T6170-2002	M12 Nut	1	
7	A50A7-30100	Bracket ass'y	1	
8	GB/T5783-2000	M10×35 Bolt	4	
9	GB/T93-1987	10 Washer,lock	4	
10	GB/T97.1-2002	10 Washer	4	
11	A90B7-30100	Soft shaft ass'y	1	
12	GB/T882-1986	6×16 Pin	2	
13	GB/T97.1-2002	6 Washer	2	
14	GB/T91-2000	1.6×20 Pin	3	
15	A50B7-30100	Bracket	1	
16	A50A7-30002	Link	1	
17	A50A7-30300	Link, ass'y	1	
18	A50A7-30301	Spring	1	
19	A30A7-30001	Sheave	1	
20	GB/T97.1-1985	10 Washer	1	
21	GB/T97.1-1985	6 Washer	1	
22	GB/T91-2000	3.2×26 Pin	1	
23	Z2131-01015	1015 Bushing	1	

BRAKE SYSTEM

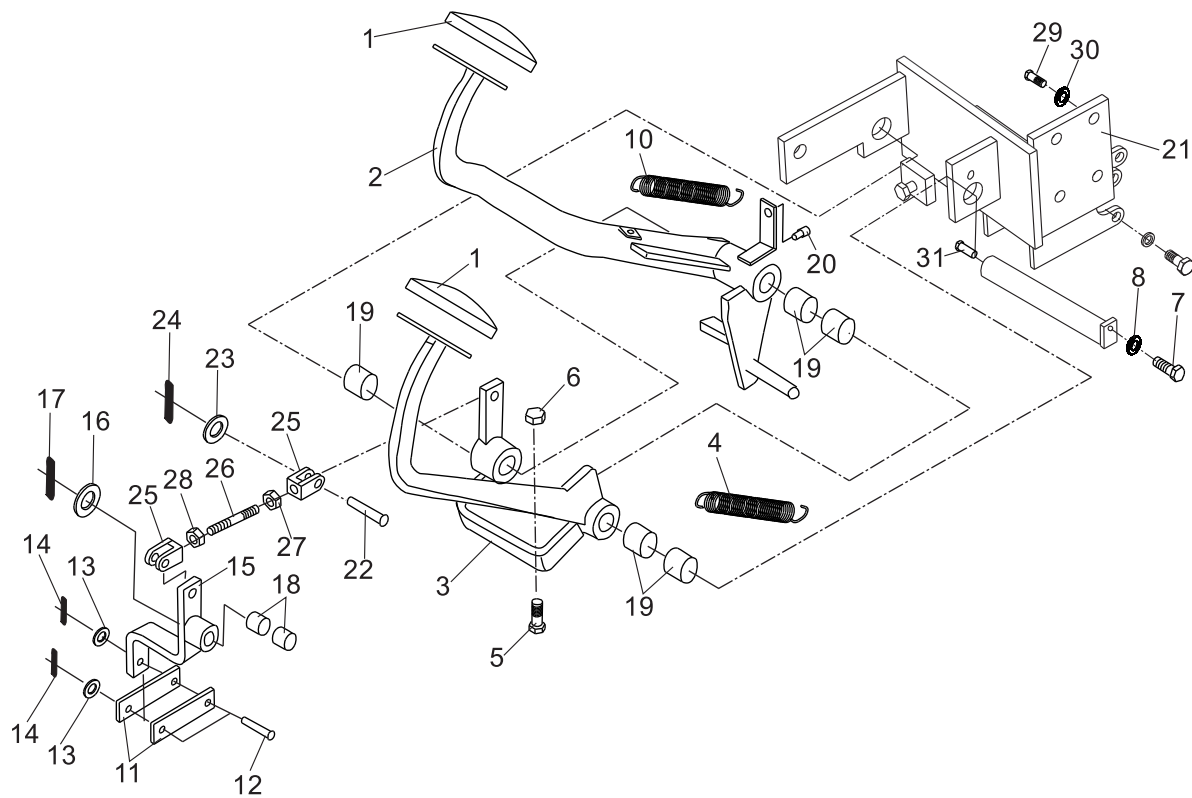
Brake & inching control



Brake & inching control

Item	Part No	Description	Q'ty	Remark
1	A50A7-12001	Cover, pedal	2	
2	A50A7-12100	Pedal, brake	1	
3	A50A7-12200	Pedal, inching	1	
4	A50A7-12002	Spring	1	
5	GB/T6170-2000	M10 Nut	3	
6	GB/T5781-2000	M10×40 Bolt	3	
7	GB/T5783-2000	M8×16 Bolt	1	
8	GB/T97.1-1985	Washer	1	
9	A50A7-12300	Shaft, oil	1	
10	A50A7-12003	Spring	1	
11	A90B7-11001	Link	2	
12	GB/T882-2000	B6×25 Pin	2	
13	GB/T97.1-1985	6 Washer	2	
14	GB/T91-2000	1.6×16 Pin	2	
15	A50A7-12400	Link	1	
16	GB/T97.1-1985	16 Washer	1	
17	GB/T91-2000	3. 2×26 Pin	1	
18	A50A7-12005	1612 Bushing	2	
19	A50A7-12006	2525 Bushing	5	
20	A50A7-12007	Rubber	1	
21	A90B7-11100	Bracket	1	

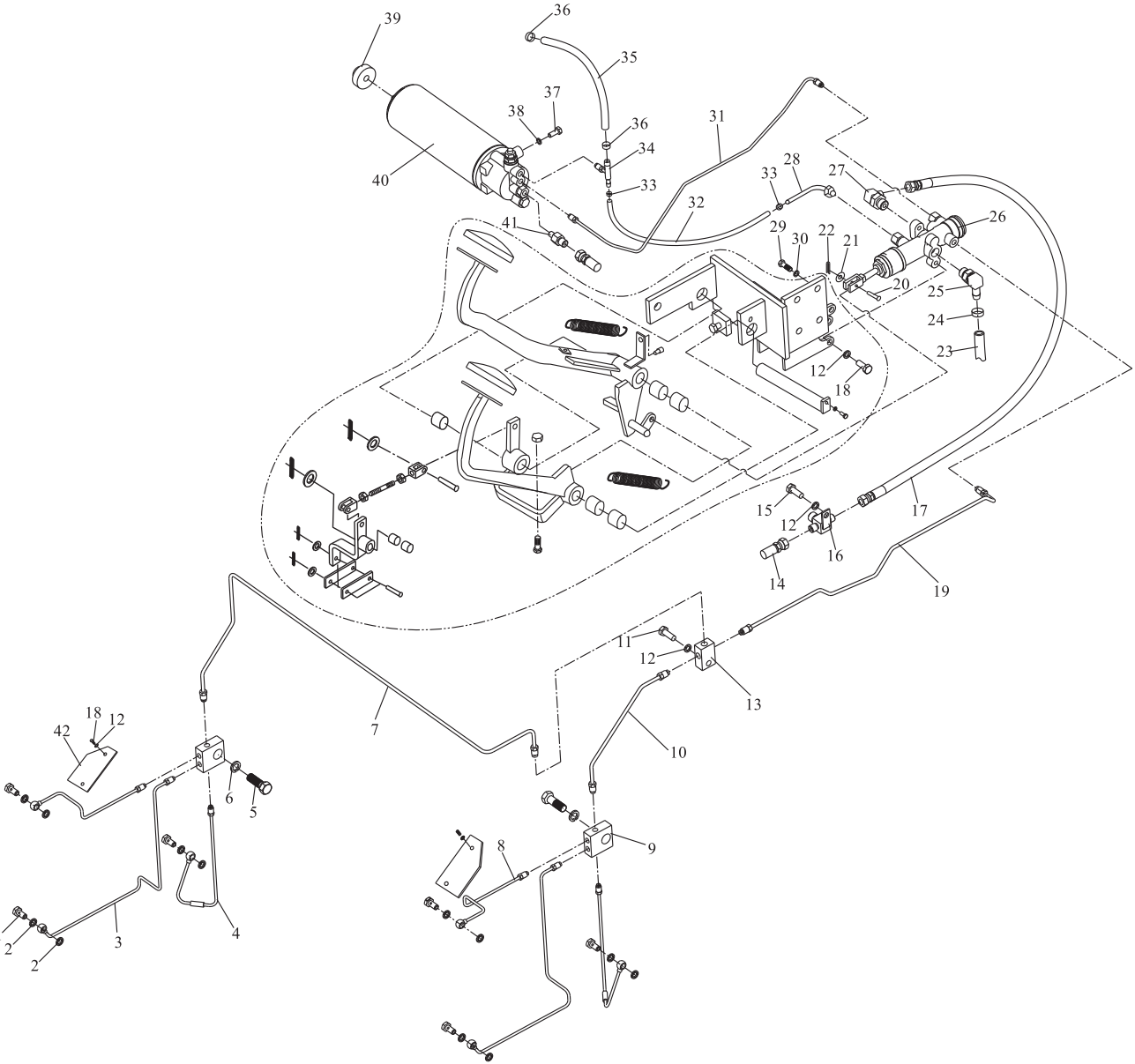
Brake & inching control



Brake & inching control

Item	Part No	Description	Q'ty	Remark
22	GB/T882-2000	B10×25 Pin	2	
23	GB/T97.1-1985	10 Washer	2	
24	GB/T91-2000	3. 2×20 Pin	2	
25	A50A7-12008	clevis	1	
26	A50A7-12009	Rod	1	
27	GB/T6170-2000	M8 Nut	1	
28	GB/T6170-2000	M8 Nut (L. H)	1	
29	GB/T5783-2000	M12×20 Bolt	4	
30	GB/T93-1987	12 Washer, lock	4	
31	ZBT33001.1-88	Z1/8 " Fitting,grease	1	

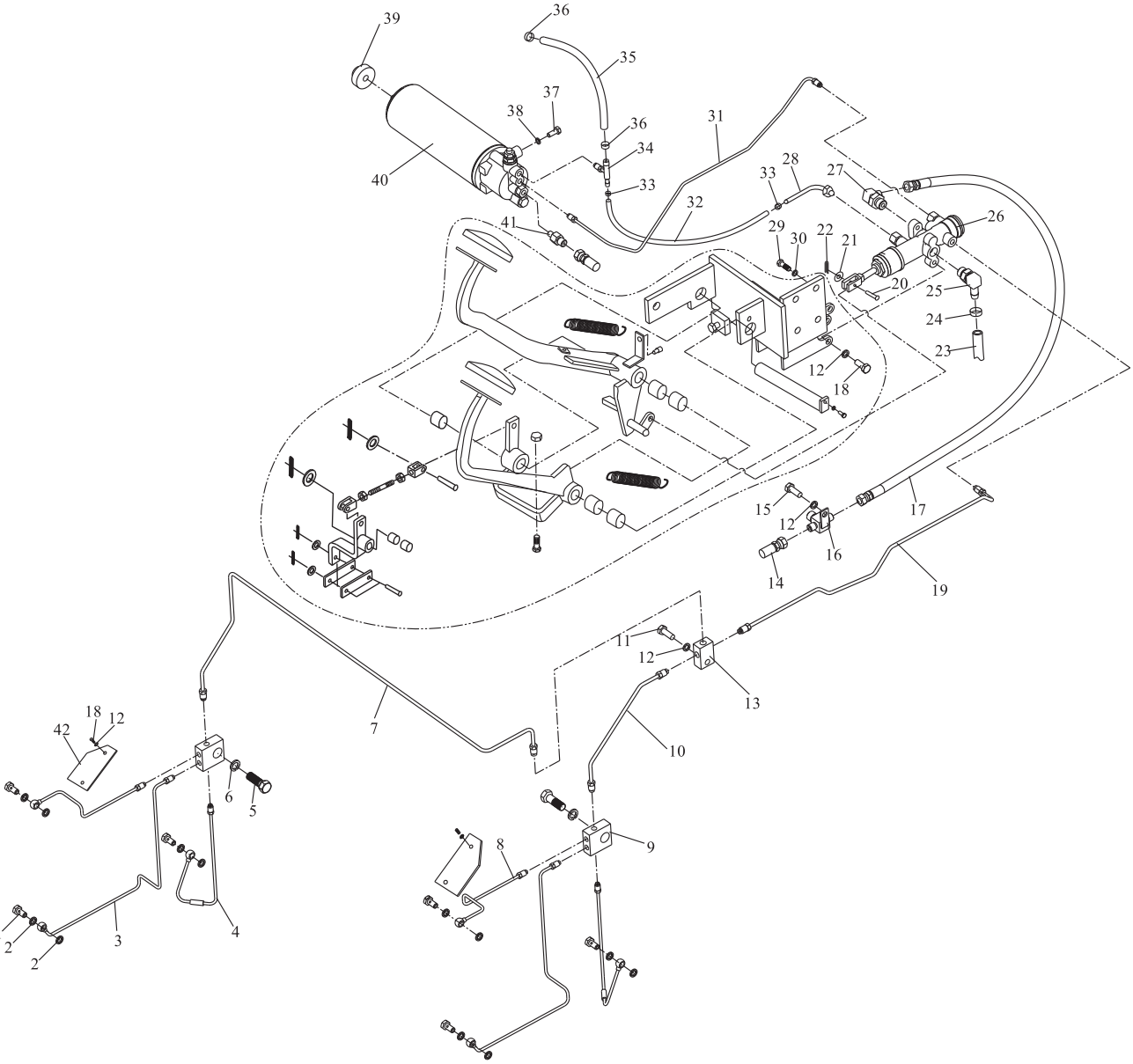
Brake Piping System



Brake Piping System

Item	Part No	Description	Q'ty	Remark
1	A16A7-10001	Bolt	6	
2	JB982-77	10 Washer	12	
3	A90C7-10100L	A Brake pipe	1	
	A90C7-10100R	A Brake pipe	1	
4	A90C7-10200L	B Brake pipe	1	
	A90C7-10200R	B Brake pipe	1	
5	GB/T5783-2000	M20×45 Bolt	2	
6	GB/T93-1987	20 Washer, lock	2	
7	A90B7-10300	C Brake pipe	1	
8	A90C7-10300L	C Brake pipe	1	
	A90C7-10300R	C Brake pipe	1	
9	GJT-157-00	Four way	1	
10	A90B7-10500	E Brake pipe	1	
11	GB/T5783-2000	M10×30 Bolt	1	
12	GB/T93-1987	10 Washer, lock	10	
13	GJT-46-00	Three way	1	
14	TGIBI-08031*G	8I×310 Hose H.P.	1	
15	GB/T5783-2000	M10×15 Bolt	1	
16	GJT-149-00	Three way	1	
17	TGIBI-08043*J	8I×430 Hose H.P.	1	FD100B-XC1
	TGIBI-08037*G	8I×370 Hose H.P.	1	FD100B-W3
18	GB/T5786-2000	M10×1.25×20 Bolt	8	
19	A90B7-10600	F Brake pipe	1	

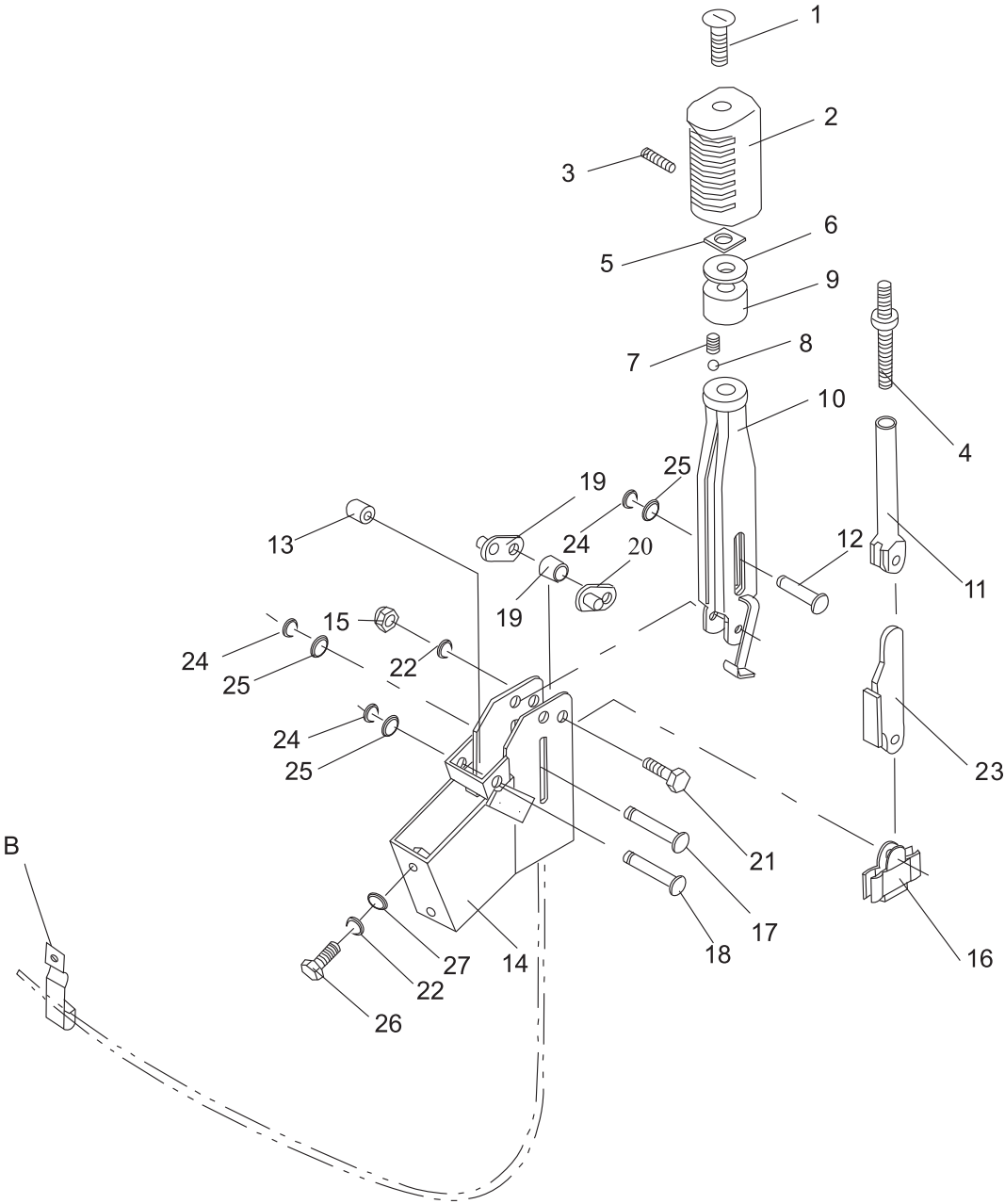
Brake Piping System



Brake Piping System

Item	Part No	Description	Q'ty	Remark
20	GB/T882-88	B10×28 Pin	2	
21	GB/T97.2-1986	10 Washer	2	
22	GB/T91-2000	2.5×28 Pin	2	
23	TG000-13150	φ 13×1500 Hose L.P.	1	
24	TK000-16025	φ 16~ φ 25 Clip	2	
25	GJT-158-00	Elbow	1	
26	A90B7-10700	Brake pump ass'y	1	
27	GJT-156-00	Elbow	1	
28	A90B7-10800	Elbow Pipe	1	
29	GB/T5783-2000	M12×20 Bolt	4	
30	GB/T93-1987	12 Washer, lock	4	
31	A90B7-10900	G Brake pipe	1	
32	TG000-06050	φ 6×500 Hose L.P.	1	
33	TK000-10016	φ 10~ φ 16 Clip	2	
34	A90B7-11100	Three steel	1	
35	TG000-10100	φ 10×1000 Hose L.P.	1	
36	TK000-13019	φ 13~ φ 19 Clip	2	
37	GB/T5783-2000	M8×20 Bolt	2	
38	GB/T93-1987	8 Washer, lock	2	
39	A30A5-40003	I Rubber	1	
40	A90B7-11200	Reserve ass'y	1	
41	GJT-159-00	Elbow	1	
42	A90C7-10001	Board	2	

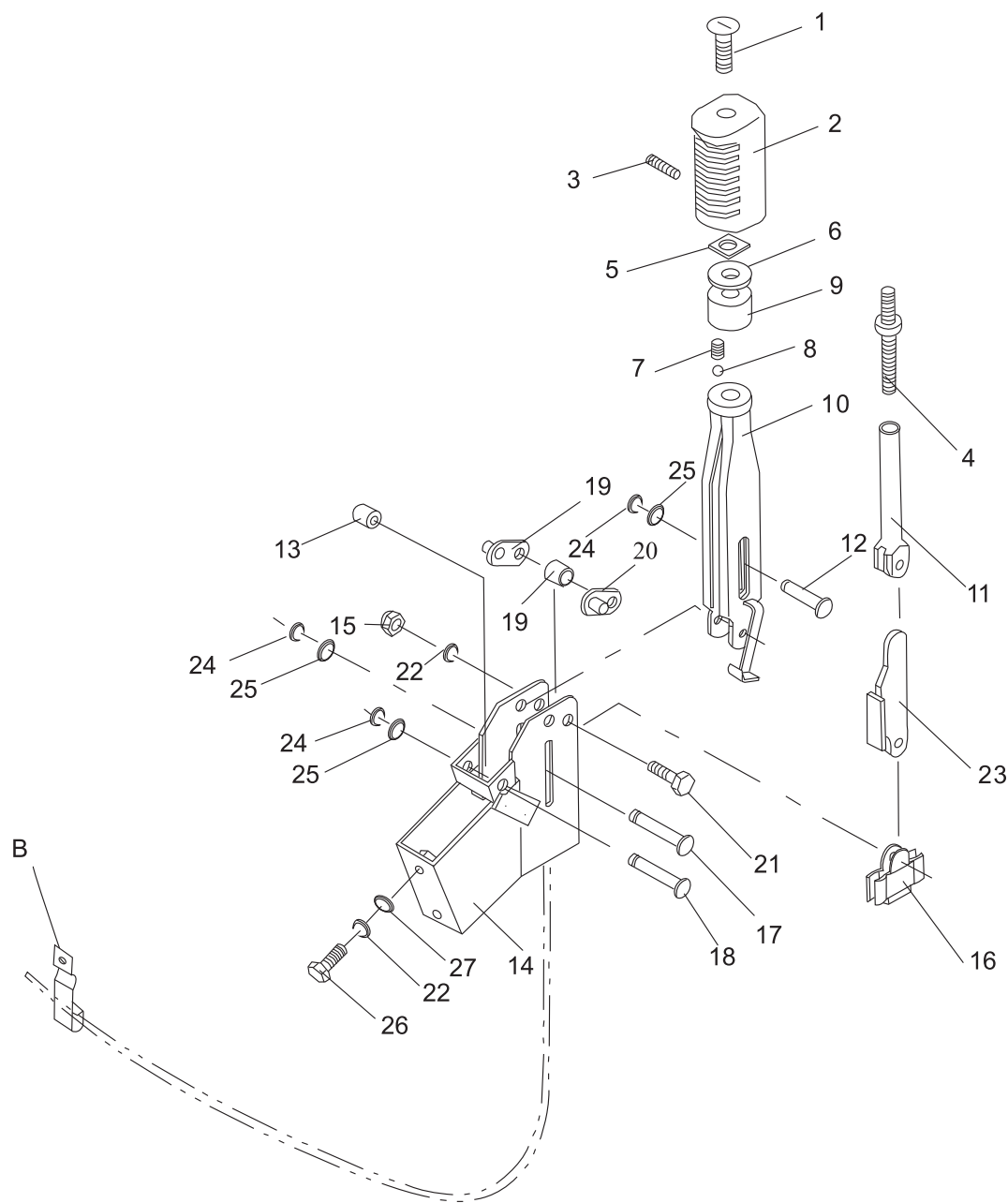
Brake lever



Brake lever

Item	Part No	Description	Q'ty	Remark
A	A50A7-20000	Brake lever	1	
1	A30A7-21002	Over head	1	
2	A30A7-21003	Grip	1	
3	GB/T80-1985	M4×4 Screw	1	
4	A30A7-21004	Screw rod	1	
5	GB/T39-2000	M8 Nut	1	
6	GB/T96-2000	8 Washer	1	
7	A30A7-21005	1×6×10.8 Spring	1	
8	GB308-64	φ 6 Ball	1	
9	A30A7-21006	Seat	1	
10	A30A7-21007	Lever	1	
11	A30A7-21008	Rod	1	
12	A30A7-21009	d8×35 Pin	1	
13	A50A7-20101	Plate	1	
14	A50A7-20102	Bracket	1	
15	GB/T802-2000	M10 Nut	1	
16	A30A7-21012	Bracket	1	
17	A30A7-21013	d8×45 Pin	2	
18	A50A7-20103	Pin	1	
19	A30A7-21014	II Washer	1	
20	A30A7-21015	Plate	2	
21	GB/T5782-2000	M10×45 Bolt	1	

Brake lever

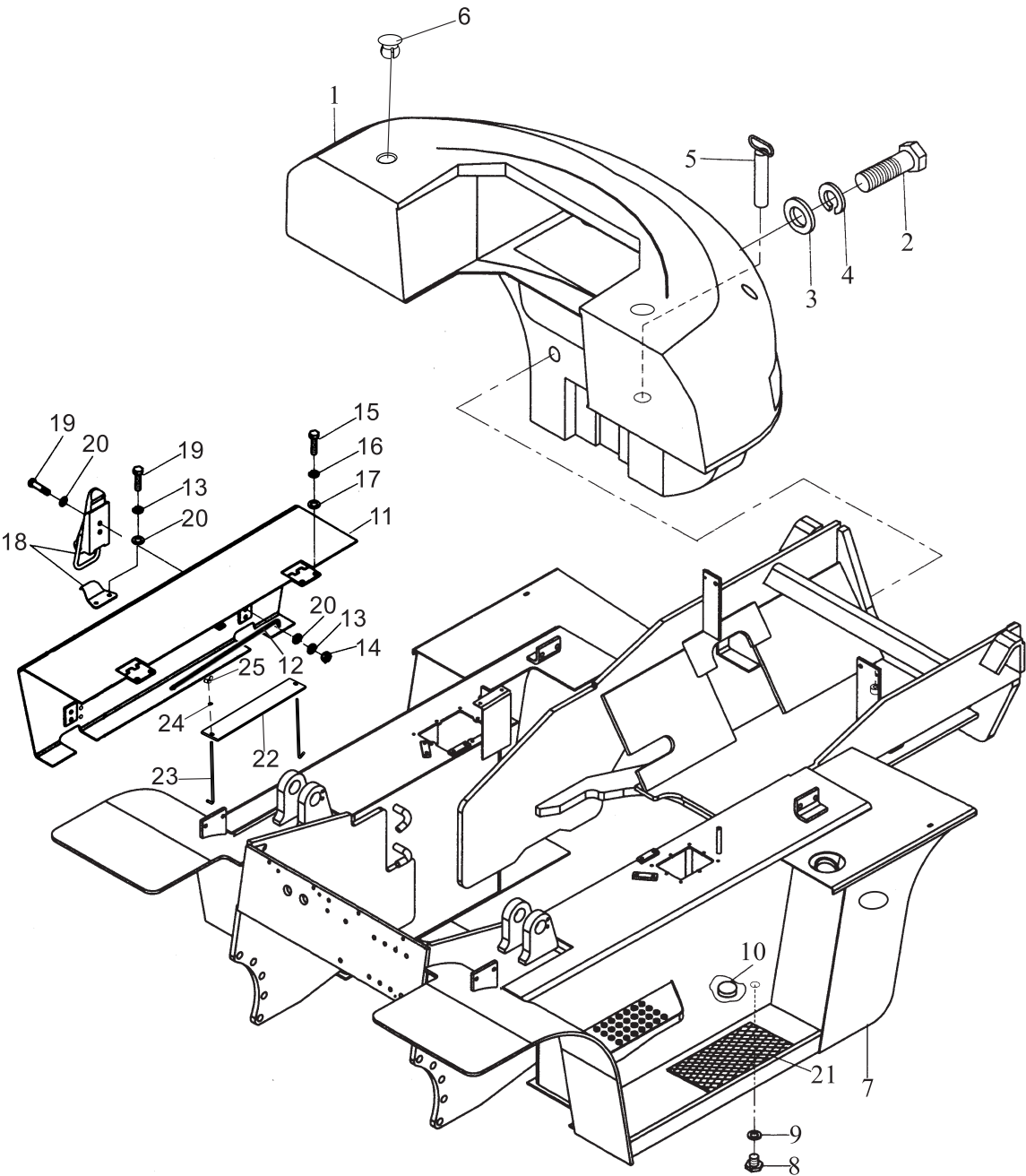


Brake lever

Item	Part No	Description	Q'ty	Remark
22	GB/T93-1987	10 Washer, lock	3	
23	A30A7-20016	Link	1	
24	GB/T896-2000	8 Washer	3	
25	GB/T97. 1-1985	8 Washer	6	
26	GB/T5782-2000	M10×35 Bolt	2	
27	GB/T97. 1-1985	10 Washer	2	
B	A30A7-21001	Pothook	1	

BODY SYSTEM

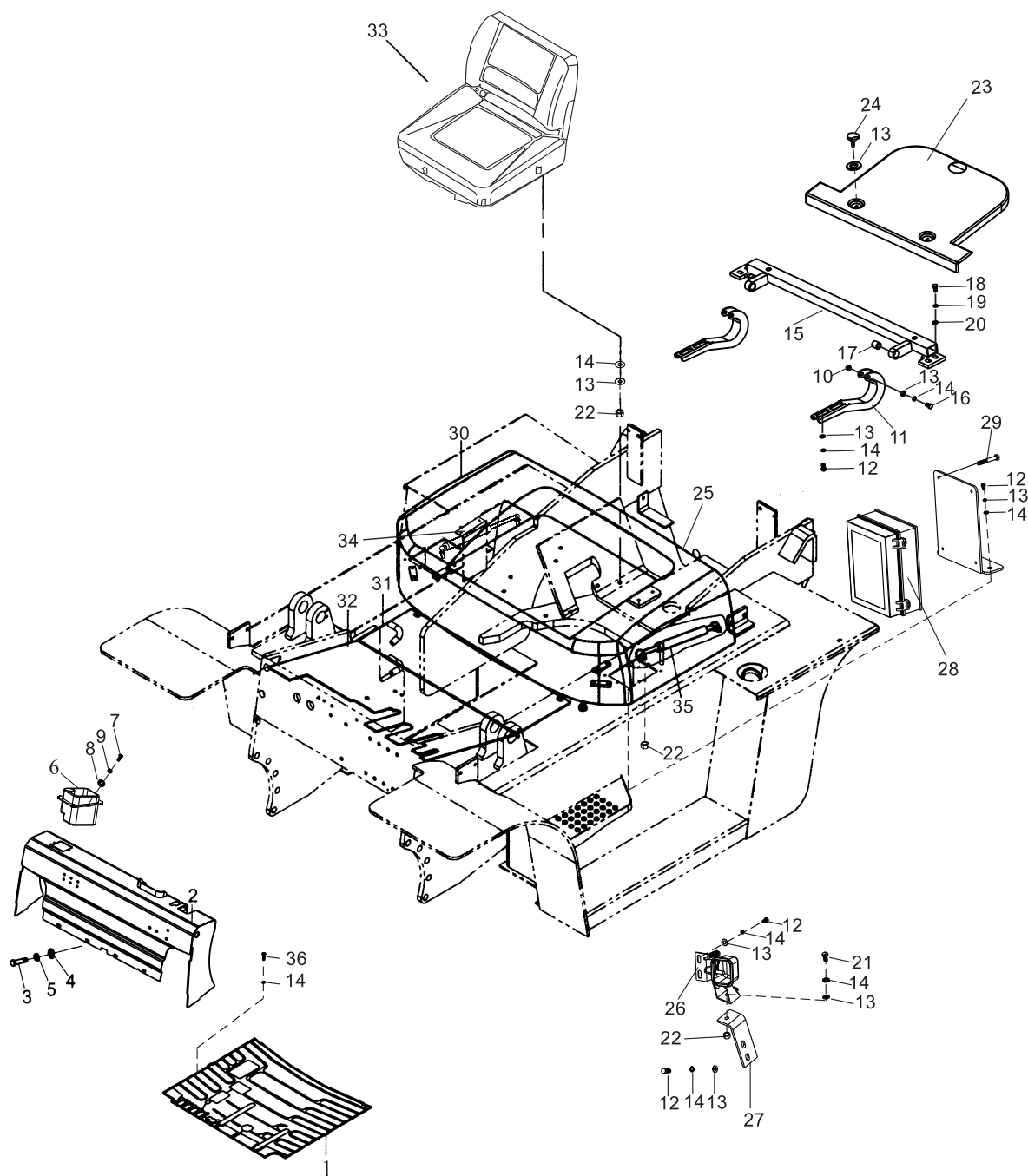
Frame & counter weight



Frame & counter weight

Item	Part No	Description	Q'ty	Remark
1	D90A1-50001	Balance	1	FD100B-XC1 FD100B-W3
2	GB/T5782-2000	M36×200 Bolt	2	
3	D30C1-50004	Washer	2	
4	GB/T93-1987	36 Washer	2	
5	D50A1-50100	Pin	1	
6	D30A1-50002	Weight cover	2	
7	D90C1-10100	Frame	1	
	D90A1-10100	Frame	1	
8	A30A4-50002	Plug,drain	2	
9	GB/T982-77	30 Washer	2	
10	A30A4-50003	Magnet	3	
11	D50A1-11100	Cover ass'y	1	
12	D50A1-10001	Rid	1	
13	GB/T93-1987	8 Washer,lock	8	
14	GB/T6170-2000	M8 Nut	4	
15	GB/T5786-2000	M10×15 Bolt	4	
16	GB/T93-1987	10 Washer,lock	4	
17	GB/T97.1-1985	10 Washer	4	
18	D50A1-11104	Catch	2	
19	GB/T5783-2000	M8×12 Bolt	8	
20	GB/T97.1-1985	8 Washer	12	
21	D50A1-10714	Pedal pad	1	
22	A50B2-00002	Battery plate	2	
23	D30C1-20004	Rod	4	
24	GB/T97.1-1985	6 Washer	4	
25	GB62-80	M6 Nut	2	

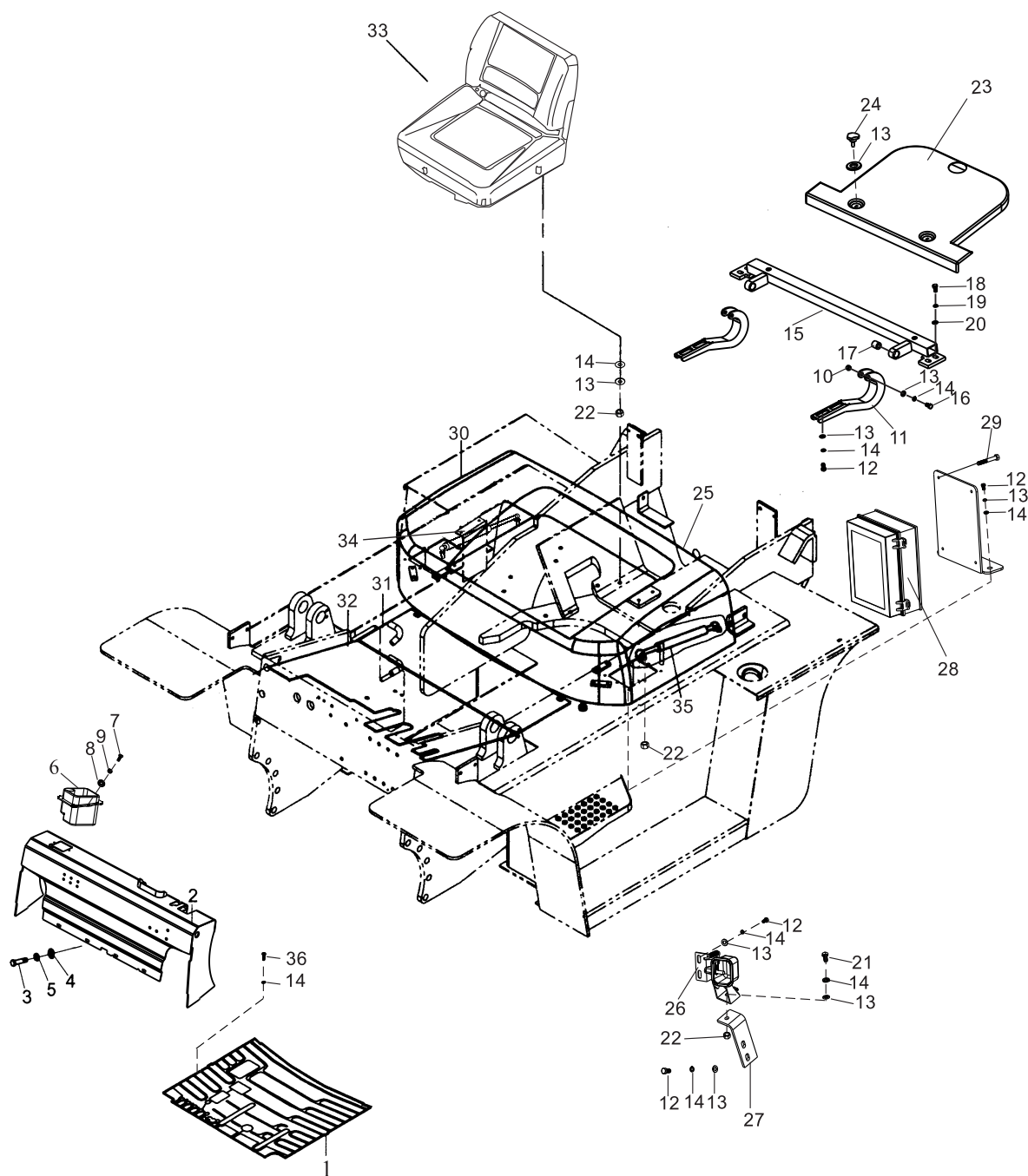
Hood, Floor Board & Seat



Hood、Floor Board & Seat

Item	Part No	Description	Q'ty	Remark
1	D50A1-20006	Gasket	1	
2	D50A1-11200	Cabinet	1	
3	GB/T5783-2000	M10×25 Bolt	4	
4	GB/T97.1-1985	10 Washer	4	
5	GB/T93-1987	10 Washer,lock	4	
6	D30C1-10001	Box	1	
7	GB/T818-85	M6×16 Screw	2	
8	GB/T97.1-1985	6 Washer	2	
9	GB/T93-1987	6 Washer,lock	2	
10	GB/T889.1-2000	M8 Nut	2	
11	D90A1-20002	Hinge	2	
12	GB/T5783-2000	M8×20 Bolt	11	
13	GB/T97.1-1985	8 Washer	20	
14	GB/T93-1987	8 Washer,lock	20	
15	D90A1-20100	Bracket	1	
16	A30A5-40005	Bolt	2	
17	D30A1-20005	Bushing	2	
18	GB/T5786-2000	M12×1.25×25 Bolt	4	
19	GB/T93-1987	12 Washer,lock	4	
20	GB/T97.1-1985	12 Washer	4	
21	GB/T5783-2000	M8×25 Bolt	1	

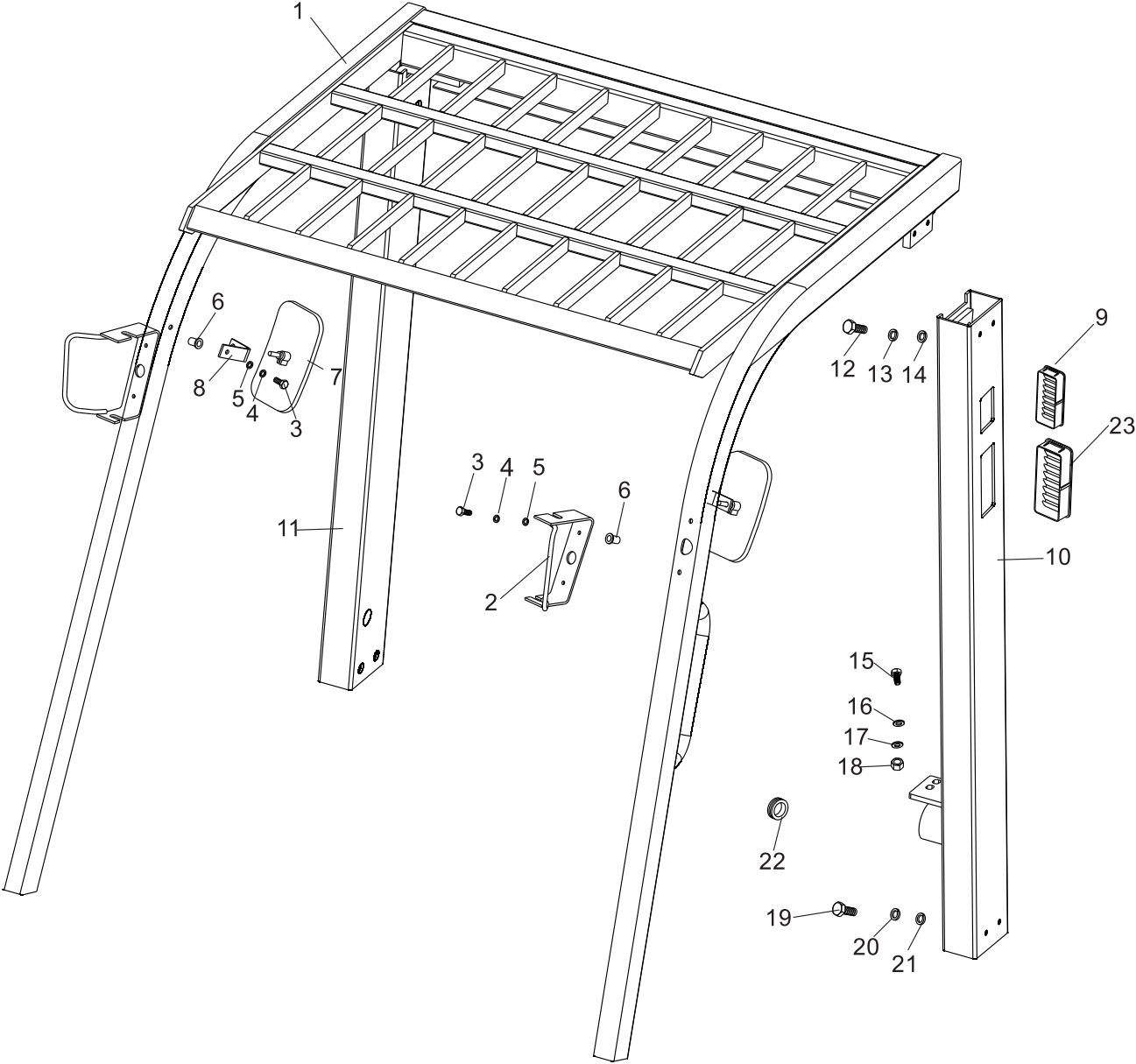
Hood, Floor Board & Seat



Hood、Floor Board & Seat

Item	Part No	Description	Q'ty	Remark
22	GB/T6170-2000	M8 Nut	3	
23	D90A1-20001	Radiator cover	1	
24	D30A1-20009	Screw	2	
25	D30A1-20007×2000	1×2000mm Gasket	1	
26	D30A1-20700	Object	1	
27	D30A1-20016	Locks Support	1	
28	A50B2-01000	Panel	1	
29	GB/T818-2000	M5×25 Screw	4	
30	D90C1-20200	Bonnet ass'y	1	
31	D50A1-20700	Floor,board,rear	1	
32	D50A1-20800	Floor board,front	1	
33	A30A1-00100	Seat	1	
	A30A1-00500	Seat	1	
	A30A1-00200	Seat	1	
	A30A1-00400	Seat	1	
34	D45A1-20006	570×200×800N Shock,absorber	1	
35	D30C1-20008	570×200×800N Shock,absorber	1	
36	GB/T818-85	M8×16 Screw	2	

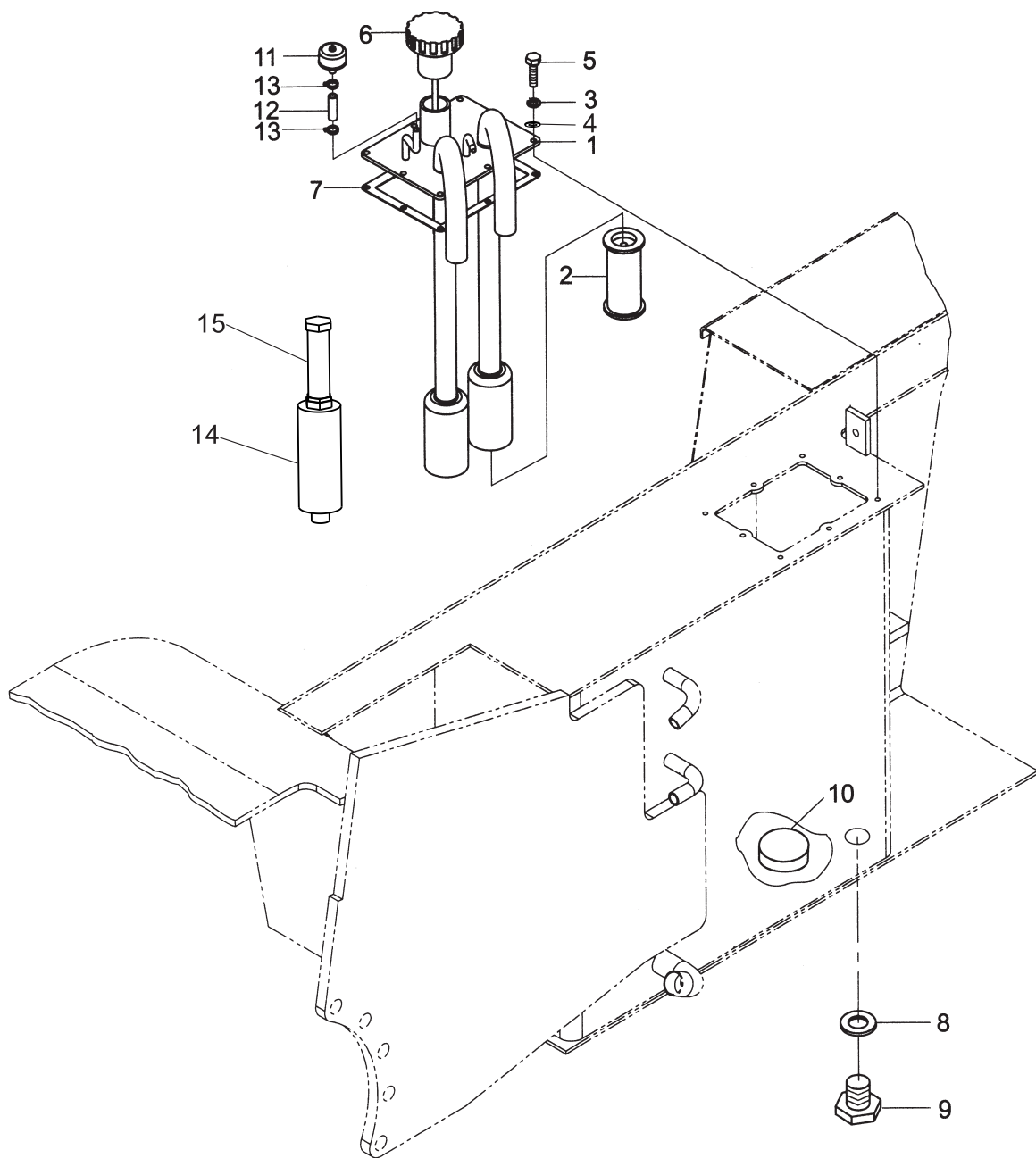
Head guard



Head guard

Item	Part No	Description	Q'ty	Remark
1	D50A1-30200	Overhead guard	1	
2	D30A1-30700	Guard,lamp F	2	
3	GB/T5783-2000	M6×25 Bolt	6	
4	GB/T93-1987	6 Washer,lock	6	
5	GB/T97.2-2000	6 Washer	6	
6	D30C1-30001	M6 Nut	6	
7	D30A1-30800	Back-mirror	2	
8	D30A1-30002	Guard	2	
9	D30A1-30006	Cover	1	
10	D90C1-30100	Rear pipe L.H.	1	FD100B-XC1
	D90B1-30100	Rear pipe L.H.	1	FD100B-W3
11	D90C1-30200	Rear pipe R.H.	1	FD100B-XC1
	D90A1-30200	Rear pipe R.H.	1	FD100B-W3
12	GB/T5783-2000	M12×40 Bolt	4	
13	GB/T97.2-2000	12 Washer	4	
14	GB/T93-2000	12 Washer,lock	4	
15	GB/T5781-2000	M10×35 Bolt	4	
16	GB/T97.2-2000	10 Washer	4	
17	GB/T93-2000	10 Washer,lock	4	
18	GB/T6170-2000	M10 Nut	4	
19	GB//T5783-2000	M16×40 Bolt	6	
20	GB/T95-2000	16 Washer	6	
21	GB/T93-1987	16 Washer,lock	6	
22	D30A1-30005	II	6	
23	D30A1-30003	Cover	1	

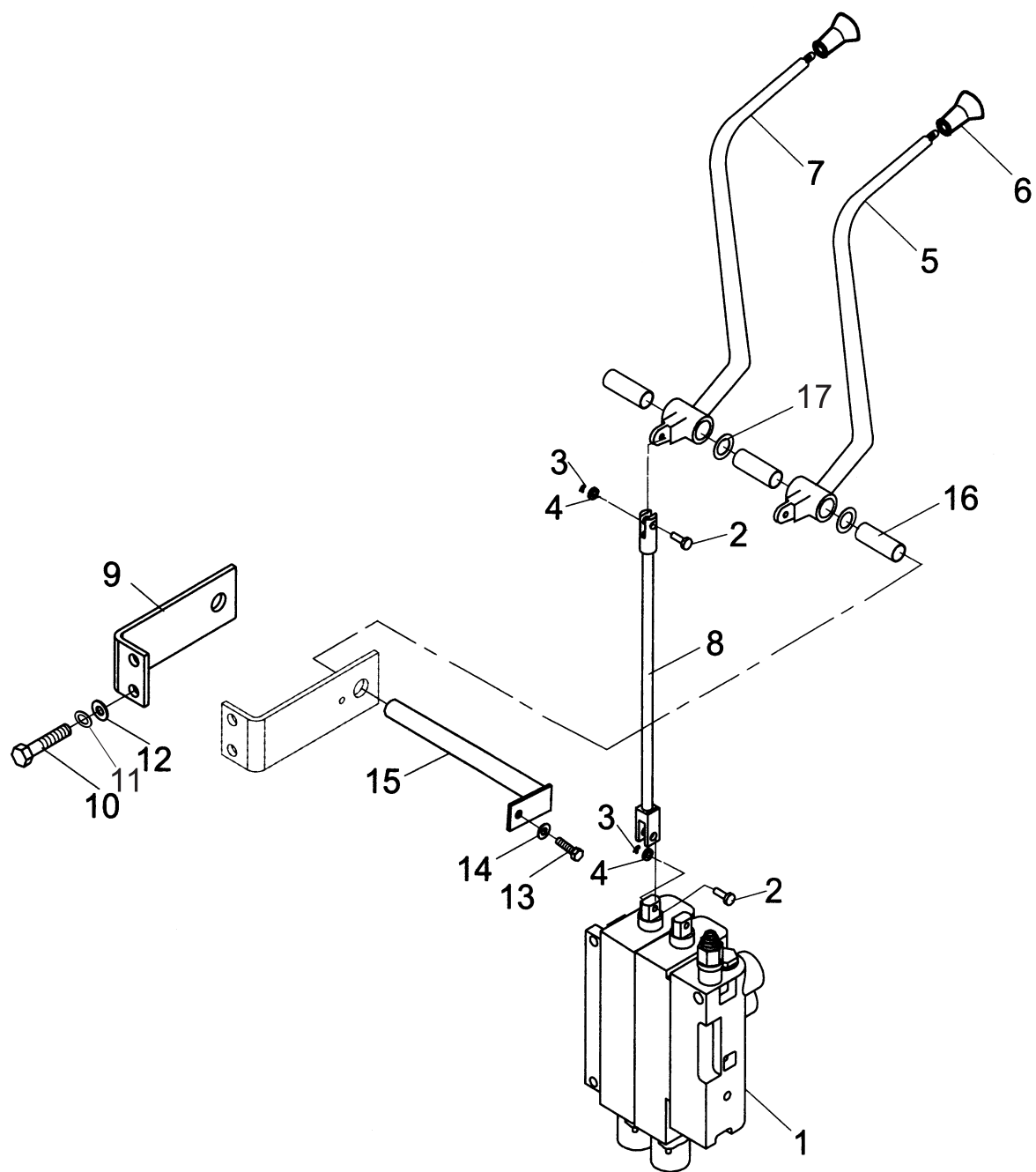
HYDRAULIC SYSTEM



Oil tank

Item	Part No	Description	Q'ty	Remark
1	A90A4-50100	Coverplate ass'y	1	
2	A30A4-50400	Strainer	2	
3	GB/T93-1987	8 Washer,lock	8	
4	GB/T95-2000	8 Washer	8	
5	GB/T5783-2000	M8×20 Bolt	8	
6	A50A4-50100	Oil cap ass'y	1	
7	A50A4-50001	Cover gasket	1	
8	JB982-77	30 Washer	1	
9	A30A4-50002	Plug,drain	1	
10	A30A4-50003	Magnet	2	
11	A30A4-50500	Breath setting	1	
12	TG000-10007	Φ10×70 Hose	1	
13	TK000-13019	Φ13-19 Clip	2	
14	A45A4-50400	Strainer	1	
15	A45A4-50200	Steel pipe	1	

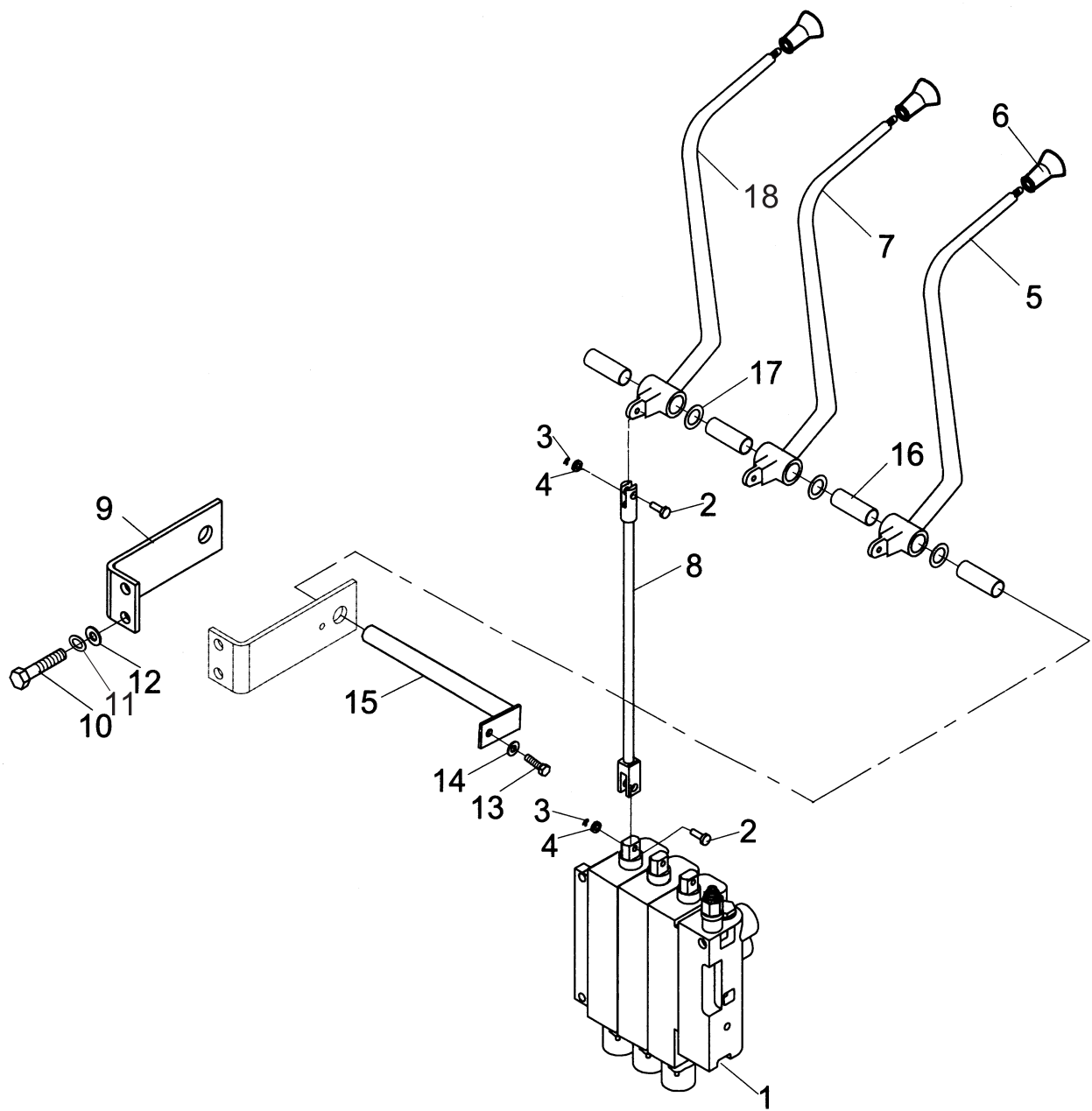
Valve control (two-throw)



Valve control (two-throw)

Item	Part No	Description	Q'ty	Remark
1	A90A4-30000	Control ass'y	1	
2	GB/T882-2000	$\phi 8 \times 26$ Pin	4	
3	GB/T91-2000	$\phi 2.5 \times 20$ Pin, cotter	4	
4	GB/T97.1-1985	8 Washer	4	
5	A50A7-40410	Lever, lift	1	
6	A30A7-40004	Knob, lift	2	
7	A50A7-40420	Lever, tilt	1	
8	A50A7-40300	Joint	2	
9	A50A7-40200	Bracket, valve lever	2	
10	GB/T5782-2000	M10 $\times$ 25 Bolt	4	
11	GB/T95-2000	10 Washer	4	
12	GB/T93-1987	10 Washer ,lock	4	
13	GB/T5783-2000	M6 $\times$ 10 Bolt	1	
14	GB/T93-1987	6 Washer,lock	1	
15	A50A7-40100	Shaft, valve	1	
16	A50A7-40001	Bushing	3	
17	A50A7-40005	Washer	2	

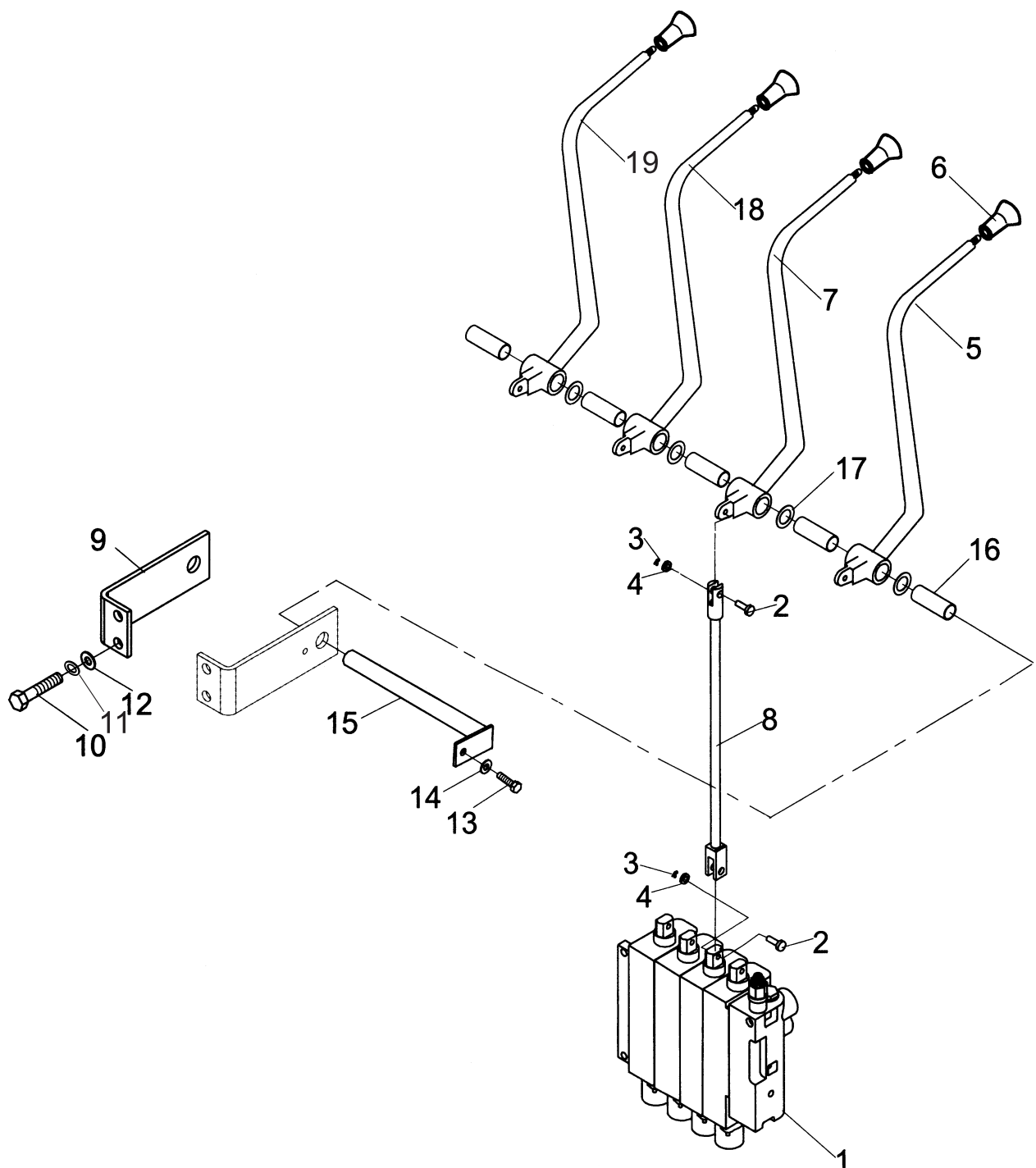
Valve control (three-throw)



Valve control (three-throw)

Item	Part No	Description	Q'ty	Remark
1	A90A4-30000	Control ass'y	1	
2	GB/T882-2000	$\phi 8 \times 26$ Pin	6	
3	GB/T91-2000	$\phi 2.5 \times 20$ Pin, cotter	6	
4	GB/T97.1-1985	8 Washer	6	
5	A50A7-40410	Lever, lift	1	
6	A30A7-40004	Knob, lift	3	
7	A50A7-40420	Lever, tilt	1	
8	A50A7-40300	Joint	3	
9	A50A7-40200	Bracket, valve lever	2	
10	GB/T5782-2000	M10 $\times$ 25 Bolt	4	
11	GB/T95-2000	10 Washer	4	
12	GB/T93-1987	10 Washer ,lock	4	
13	GB/T5783-2000	M6 $\times$ 10 Bolt	1	
14	GB/T93-1987	6 Washer,lock	1	
15	A50A7-40100	Shaft, valve	1	
16	A50A7-40001	Bushing	4	
17	A50A7-40005	Washer	3	
18	A50A7-40430	Lever,third	1	

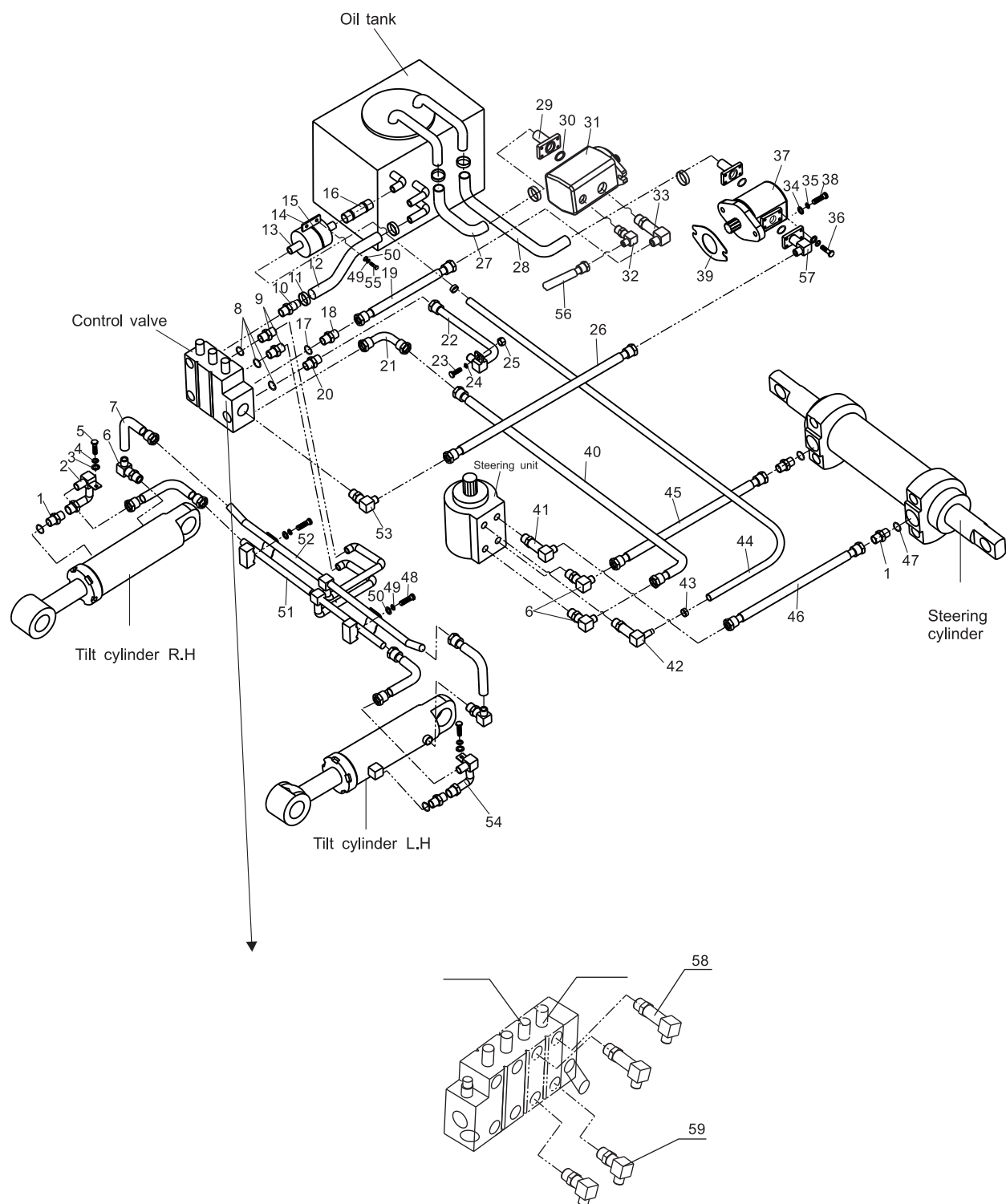
Valve control (four-throw)



Valve control (four-throw)

Item	Part No	Description	Q'ty	Remark
1	A90A4-30000	Control ass'y	1	
2	GB/T882-2000	$\phi 8 \times 26$ Pin	8	
3	GB/T91-2000	$\phi 2.5 \times 20$ Pin, cotter	8	
4	GB/T97.1-1985	8 Washer	8	
5	A50A7-40410	Lever, lift	1	
6	A30A7-40004	Knob, lift	4	
7	A50A7-40420	Lever, tilt	1	
8	A50A7-40300	Joint	4	
9	A50A7-40200	Bracket valve lever	2	
10	GB/T5782-2000	M10 $\times$ 25 Bolt	4	
11	GB/T95-2000	10 Washer	4	
12	GB/T93-1987	10 Washer ,lock	4	
13	GB/T5783-2000	M6 $\times$ 10 Bolt	1	
14	GB/T93-1987	6 Washer,lock	1	
15	A50A7-40100	Shaft, valve	1	
16	A50A7-40001	Bushing	5	
17	A50A7-40005	Washer	4	
18	A50A7-40430	Lever,third	1	
19	A50A7-40440	Lever,fourth	1	

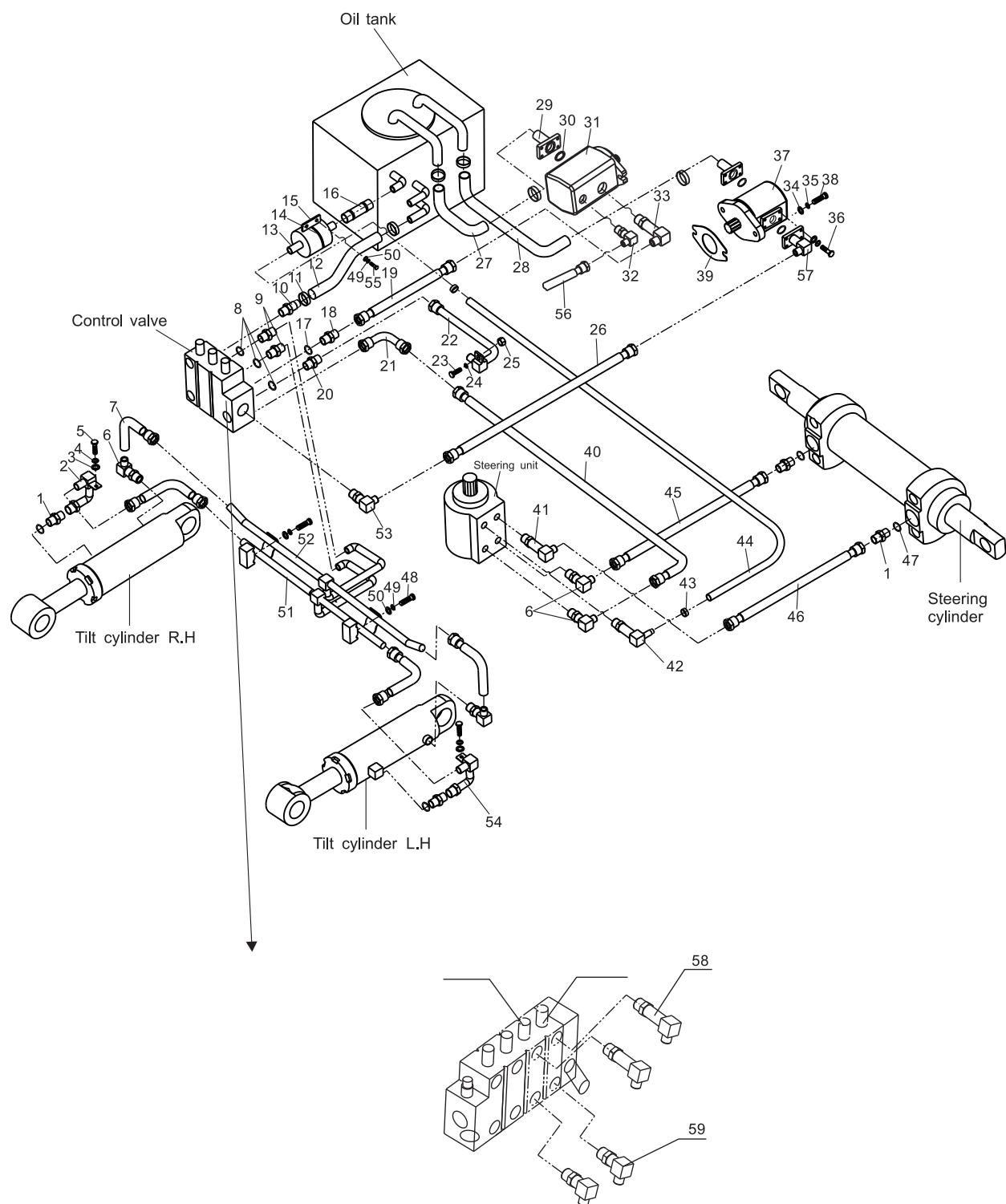
Hydraulic pipeline



Hydraulic pipeline

Item	Part No	Description	Q'ty	Remark
1	GJT-51-00	Nipple	4	
2	A50A4-00400R	Nipple R.H.	1	
3	GB/T95-2000	6 Washer	2	
4	GB/T93-1987	6 Washer,lock	2	
5	GB815-88	M6×16 Bolt	2	
6	GJT-55-00	Elbow	4	
7	TGIBII-10042*G	10II×420 Hose H. P	4	
8	GB/T3452.1	26.5×3 O-ring	3	
9	GJT-50-00	Nipple	2	
10	GJT-48-00	Nipple	1	
11	TK000-35051	35-51 Clip	6	
12	A45A4-00001	Hose	1	Two-throw
	A45A4-00006	Hose	1	Three-throw
	A45A4-00007	Hose	1	Four-throw
13	A50A4-00600	Oil filter	1	
14	A50A4-00004	Oil filter bracket	1	
15	TK000-90110	90-110 Clip	1	
16	TG000-19010	φ 19×100 Hose	1	
17	GB/T3452.1	23.6×3.55G O-ring	3	
18	GJT-49-00	Nipple	1	
19	TGIBII-19038NL*G	19II×380 Hose H. P	1	FD100B-XC1
	TGIBII-19043NL*G	19II×430 Hose H P .	1	FD100B-W3

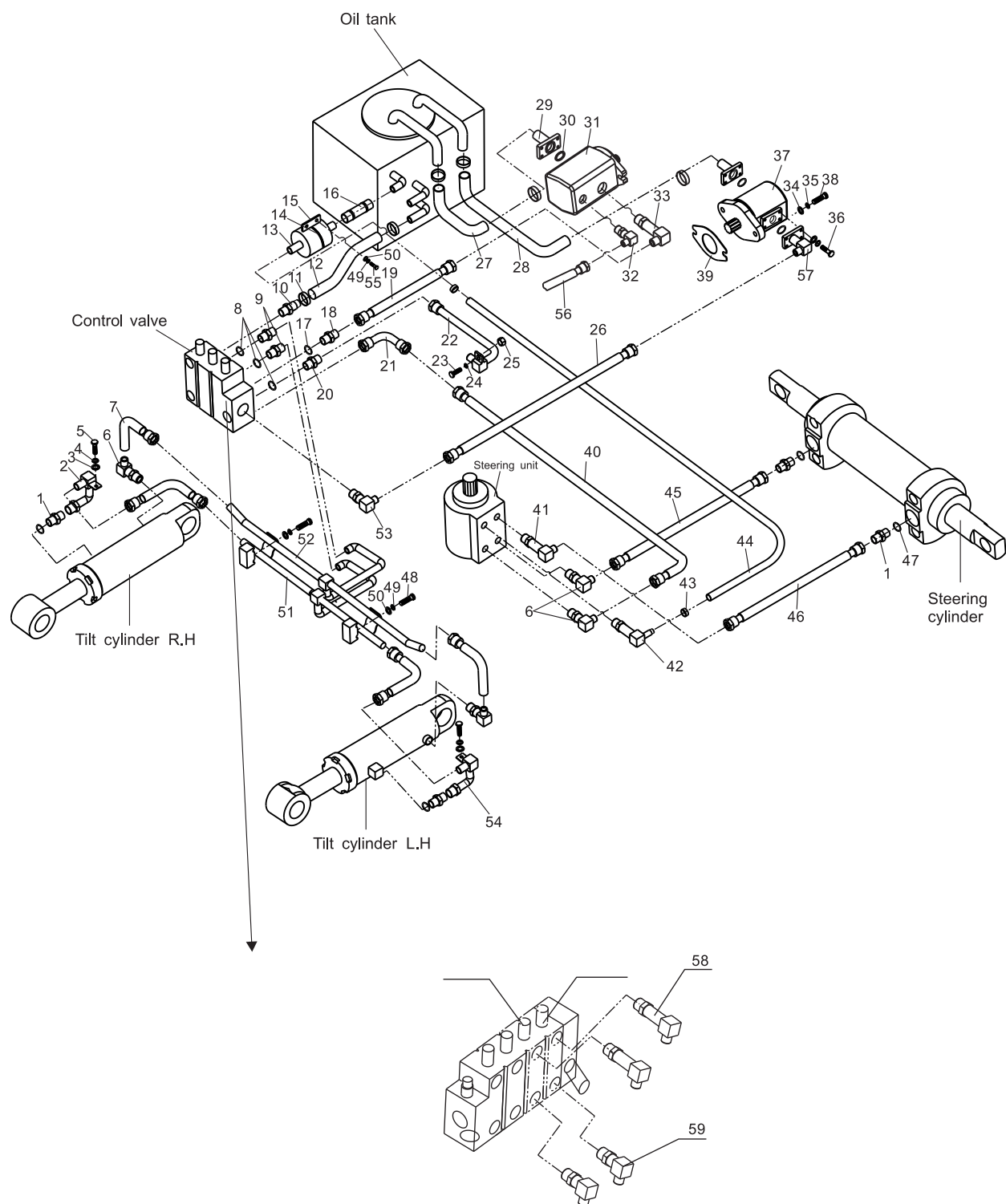
Hydraulic pipeline



Hydraulic pipeline

Item	Part No	Description	Q'ty	Remark
20	GJT-167-00	Nipple	1	
21	GJT-53-00	Joint	1	
22	A90A4-00100	Steel pipe ass'y	1	
23	GB/T5781-2000	M10×30 Bolt	1	
24	GB/T95-2000	10 Washer	1	
25	GB/T889.1-2000	M10 Nut	1	
26	TGIBII-19085NL*G	19II×850 Hose H. P	1	FD100B-XC1
	TGIBII-19090NL*G	19II×900 Hose H. P	1	FD100B-W3
27	A50A4-00002	Hose,suction	1	
28	A50A4-00003	Hose,suction	1	
29	GJT-58-00	Flange	2	FD100B-XC1
	GJT-202-00	Elbow	2	FD100B-W3
30	GB/T3452.1-92	37.5×3 O-ring	2	
31	A90B4-20100	(36R/4R) Pump,front	1	
32	GJT-144-00	Elbow	1	
33	GJT-52-00	Elbow	1	
34	GB/T95-2000	10 Washer	16	
35	GB/T93-1987	10 Washer,lock	16	
36	GB/T5782-2000	M10×30 Bolt	16	
37	A50B4-20200	(36L) Pump,rear	1	
38	GB/T5786-2000	M10×1.25×35 Bolt	4	
39	A50A4-00500	Packing	2	

Hydraulic pipeline

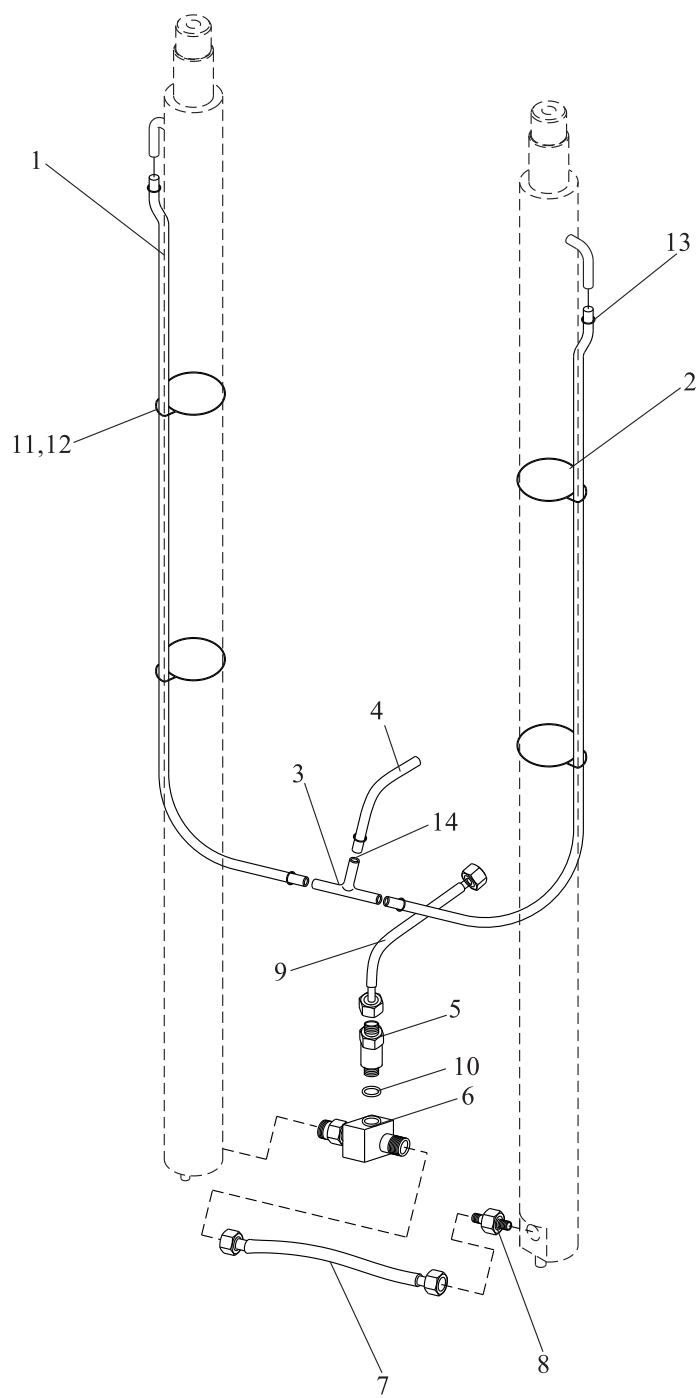


Hydraulic pipeline

Item	Part No	Description	Q'ty	Remark
40	TGIBII-10042*G	10II×420 Hose H. P	1	
41	GJT-54-00	Elbow	1	
42	GJT-111-00	Nipple	1	
43	TK000-22032	22-32 Clip	4	
44	TG000-19085	φ 19×850 Hose	1	
45	TGIBI-10280*G	10I×2800 Hose H. P	1	
46	TGIBI-10295*G	10I×2950 Hose H. P	1	
47	GB/T3452.1-92	14×2.65G O-ring	4	
48	GB/T5781-2000	M8×25 Bolt	2	
49	GB/T93-1987	8 Washer,lock	4	
50	GB/T95-2000	8 Washer	4	
51	A50A4-00100	Steel pipe ass'y	1	
52	A50A4-00200	Steel pipe ass'y	1	
53	GJT-57-00	Elbow	1	
54	A50A4-00400L	Nipple L.H.	1	
55	GB/T5781-2000	M8×15 Bolt	2	
56	TGIBII-10070*G	10II×700 Hose H. P	1	
57	GJT-43-00	Elbow	1	
58	GJT-101-00	Elbow	1	Three-throw
	GJT-101-00	Elbow	2	Four-throw
59	GJT-102-00	Elbow	1	Three-throw
	GJT-102-00	Elbow	2	Four-throw

LIFTING SYSTEM

Hydraulic system mast(Normal mast KM)



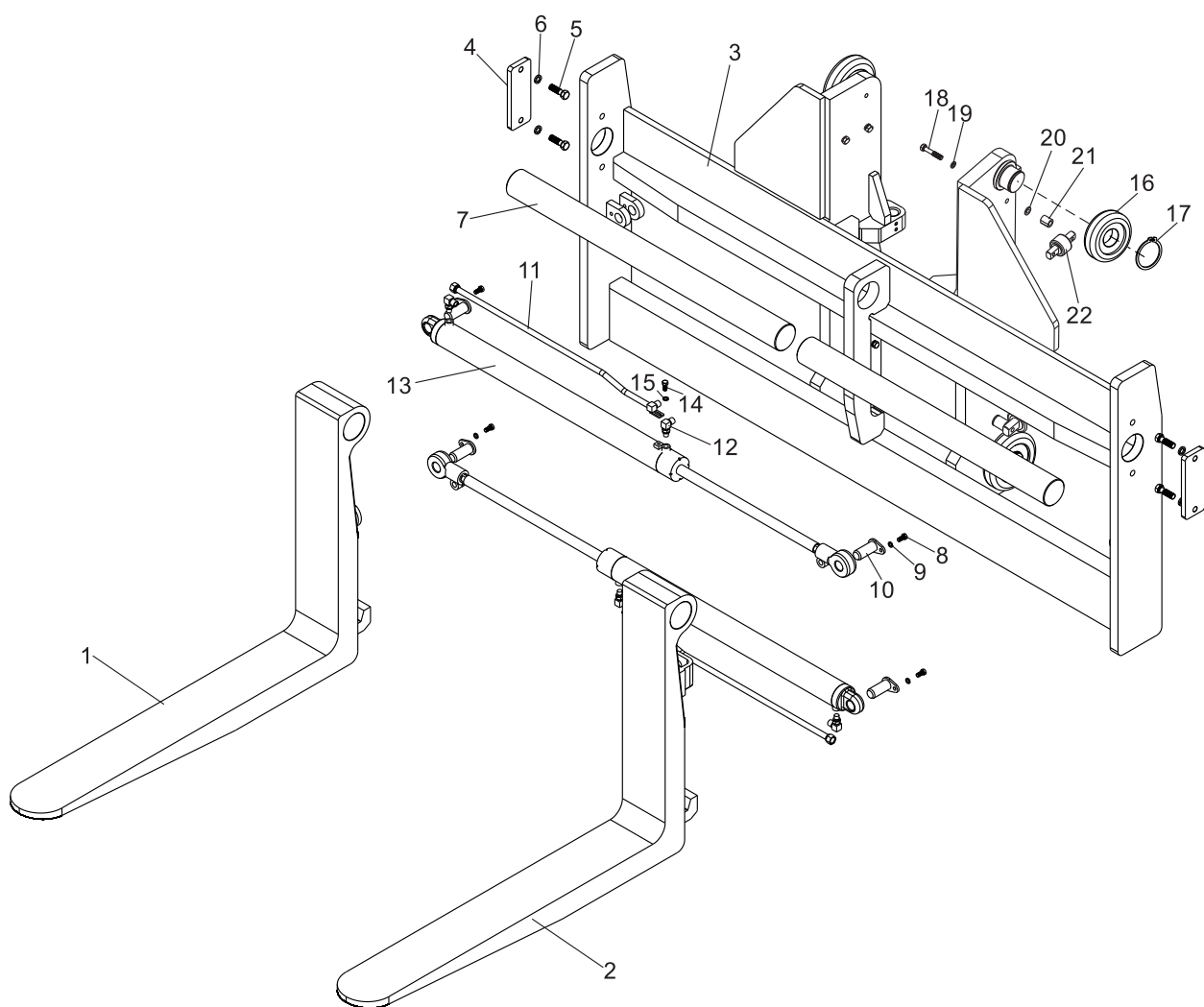
Hydraulic system mast(Normal mast KM)

Item	Part No	Description	Q'ty	Remark
1	TG000-16XXX	d12×L1 Tube vinyl	1	
2	TG000-16XXX	d12×L2 Tube vinyl	1	
3	GJT-162-00	Joint	1	
4	TG000-19150	φ 19×1500 Hose	1	
5	GJT-163-00	Flow regulator	1	
6	GJT-164-00	Three way connector ass'y	1	
7	TGIBII-19056*J	19II×560 Hose H.P.	1	
8	GJT-165-00	Nipple	1	
9	TGLBII-19095-H70GS*J	19II×950 Hose H.P.	1	
10	GB/T3452.1-92	28× φ 3.55 Ring	1	
11	M100A3-70001	Band	4	
12	TQ000-08040	Binding	4	
13	Tk000-16025	Clip	4	
14	Tk000-19029	Clip	1	

Hydraulic system mast

(Mast Piping Optional Parts)			
Lifting Height	Hose(mm)	Hose(mm)	Remark
3000	1750	2000	
3300	1900	2150	
3500	2000	2250	
3700	2100	2350	
4000	2250	2500	
4500	2500	2750	
5000	2750	3000	
5500	3000	3250	
6000	3250	3500	

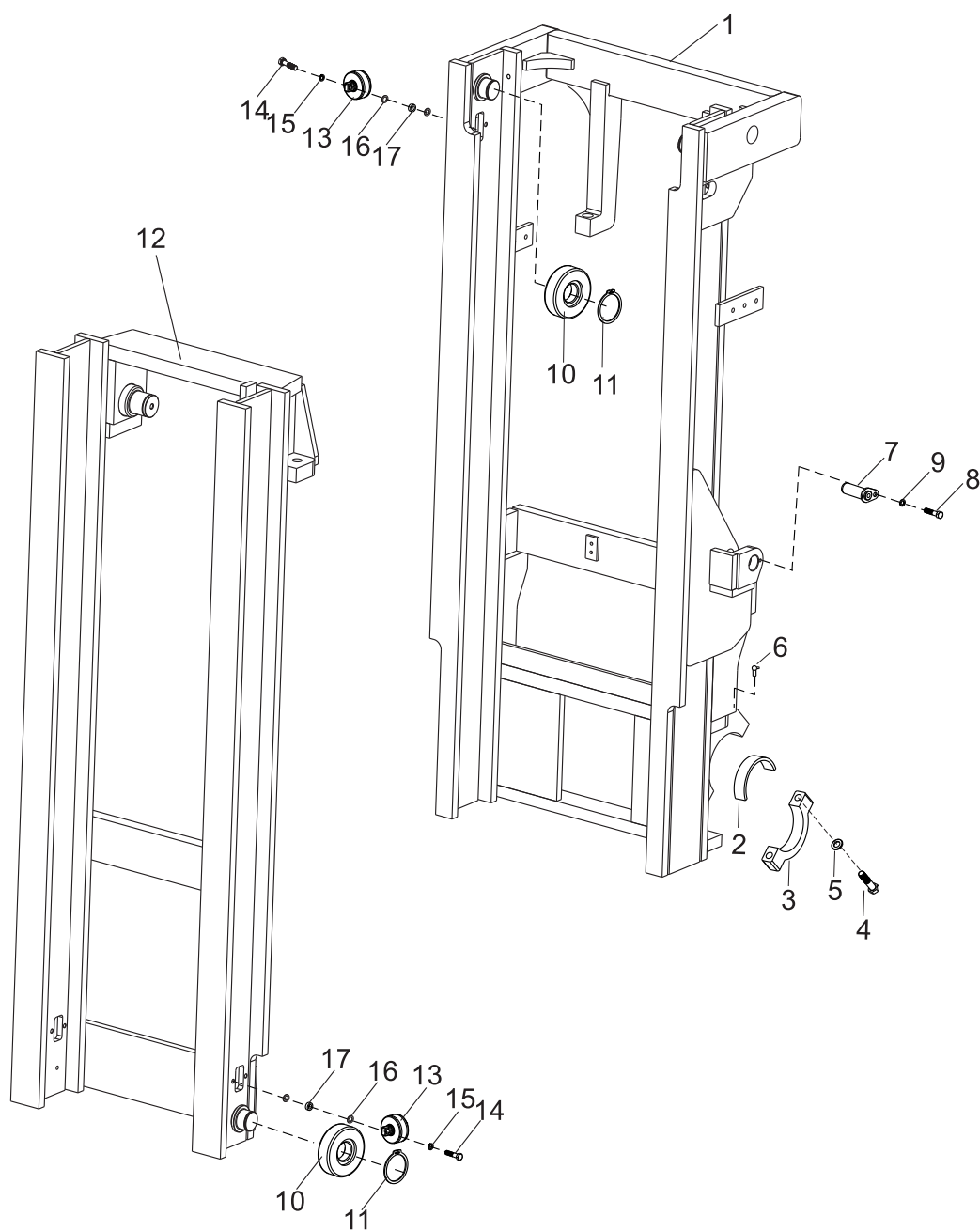
Fork & Lift Bracket



Fork & Lift Bracket

Item	Part No	Description	Q'ty	Remark
1	A100A3-53000L	Lifting fork ass'y	1	
2	A100A3-53000R	Lifting fork ass'y	1	
3	A100A3-51000	Lift bracket ass'y	1	
4	A100A3-50001	Plate,stopper	2	
5	GB/T5785-2000	M16×1.5×50 Bolt	4	
6	GB/T93-1987	16 Washer, lock	4	
7	A100A3-50002	Shaft	2	
8	GB/T5786-2000	M10×1.25×20 Bolt	4	
9	GB/T93-1987	10 Washer, lock	4	
10	M100A3-50100	Pin axle ass'y	4	
11	A100A3-50200	Pipe ass'y	2	
12	GJT-196-00	Elbow	4	
13	A100A3-52000	Pitch cylinder ass'y	2	
14	GB/T5786-2000	M8×20 Bolt	2	
15	GB/T93-1987	8 Washer, lock	2	
16	A100A3-40200	End Roller	4	
17	GB/T894.1-86	65 Snap ring	4	
18	GB/T5785-2000	M14×1.5×90 Bolt	8	
19	GB/T93-1987	14 Washer, lock	8	
20	M100A3-40001	Shim	16	
21	M100A3-40002	Spacer	8	
22	M100A3-40100	Retaining Roller	4	

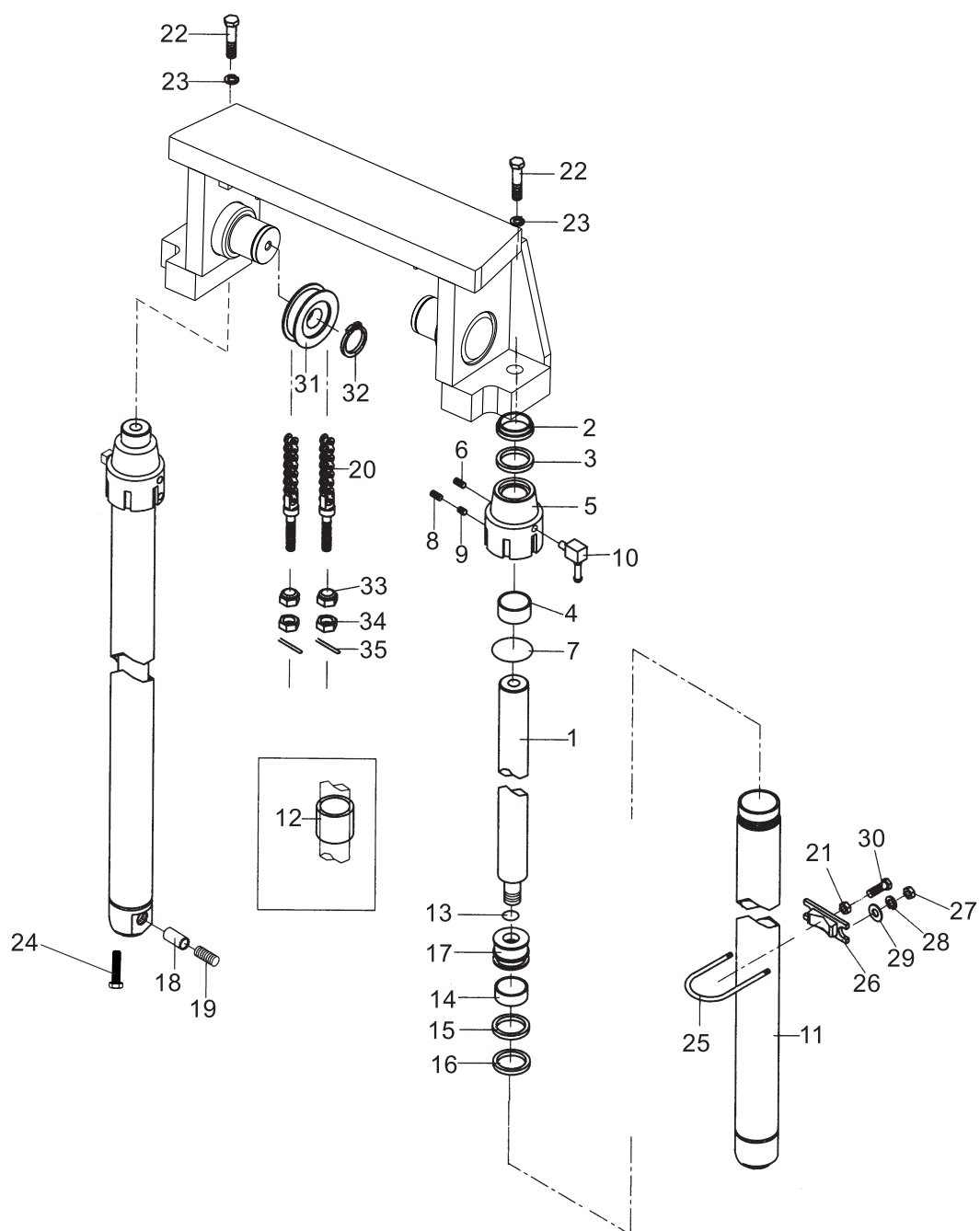
Mast



Mast

Item	Part No	Description	Q'ty	Remark
1	M100A3-10000	Mast,outer	1	
2	M100A3-00002	Bushing	2	
3	M100A3-00001	Cap	2	
4	GB/T5783-2000	M24×2×120 Bolt	4	
5	GB/T93-1987	24 Washer,lock	4	
6	JB/T7940.1-1995	M10×1 Fitting	2	
7	M50A3-00100	Pin axle ass'y	4	
8	GB/T5783-2000	M10×1.25×20 Bolt	4	
9	GB/T93-1987	10 Washer,lock	4	
10	M100A3-40200	End Roller	4	
11	GB/T894.1-86	65 Snap ring	4	
12	M100A3-30000	Mast,inner	1	
13	M50A3-40300	Side roller	4	
14	GB/T5785-2000	M12×1.25×50 Bolt	8	
15	GB/T93-1987	12 Washer,lock	8	
16	M50A3-40003	Shim	16	
17	M50A3-40004	Spacer	8	

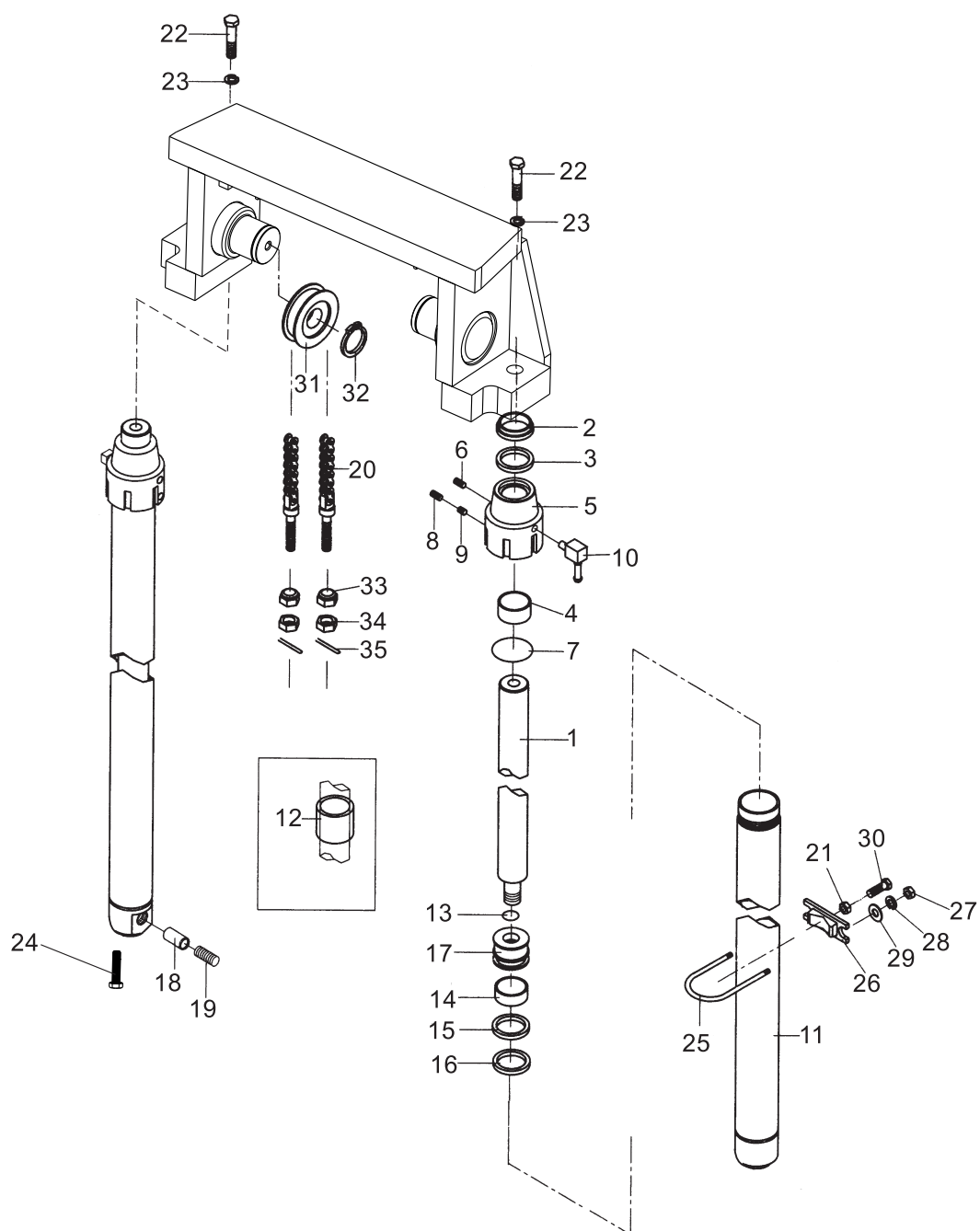
Loft cylinder



Loft cylinder

Item	Part No	Description	Q'ty	Remark
A	A100A4-10100	Lift cylinder ass'y	2	
1	A100A4-10101	Rod	2	
2	A100A4-10102	70×84×8/11 Seal,dust	2	
3	A100A4-10103	70×84×6 Ring	2	
4	A100A4-10104	(7035) Bushing	2	
5	A100A4-10105	Cap	2	
6	A100A4-10106	ZG3/8" Plug	2	
7	GB/T3452-82	106×3.55 O-ring	2	
8	A100A4-10107	Plug	2	
9	GB80-85	M6×8 Screw	4	
10	A100A4-10108	Elbow	2	
11	A100A4-10109	Cylinder	2	
12	A100A4-10110	Spacer		
13	GB1235-76	O-ring	2	
14	A100A4-10111	100×25×3 Wearing	2	
15	A100A4-10112	100×85×3 Ring	2	
16	A100A4-10113	100×85×9 Ring	2	
17	A100A4-10114	Piston	2	
18	A100A4-10115	Piston	2	
19	A100A4-10116	Spring	2	
20	LH2844×N	Chain	2	

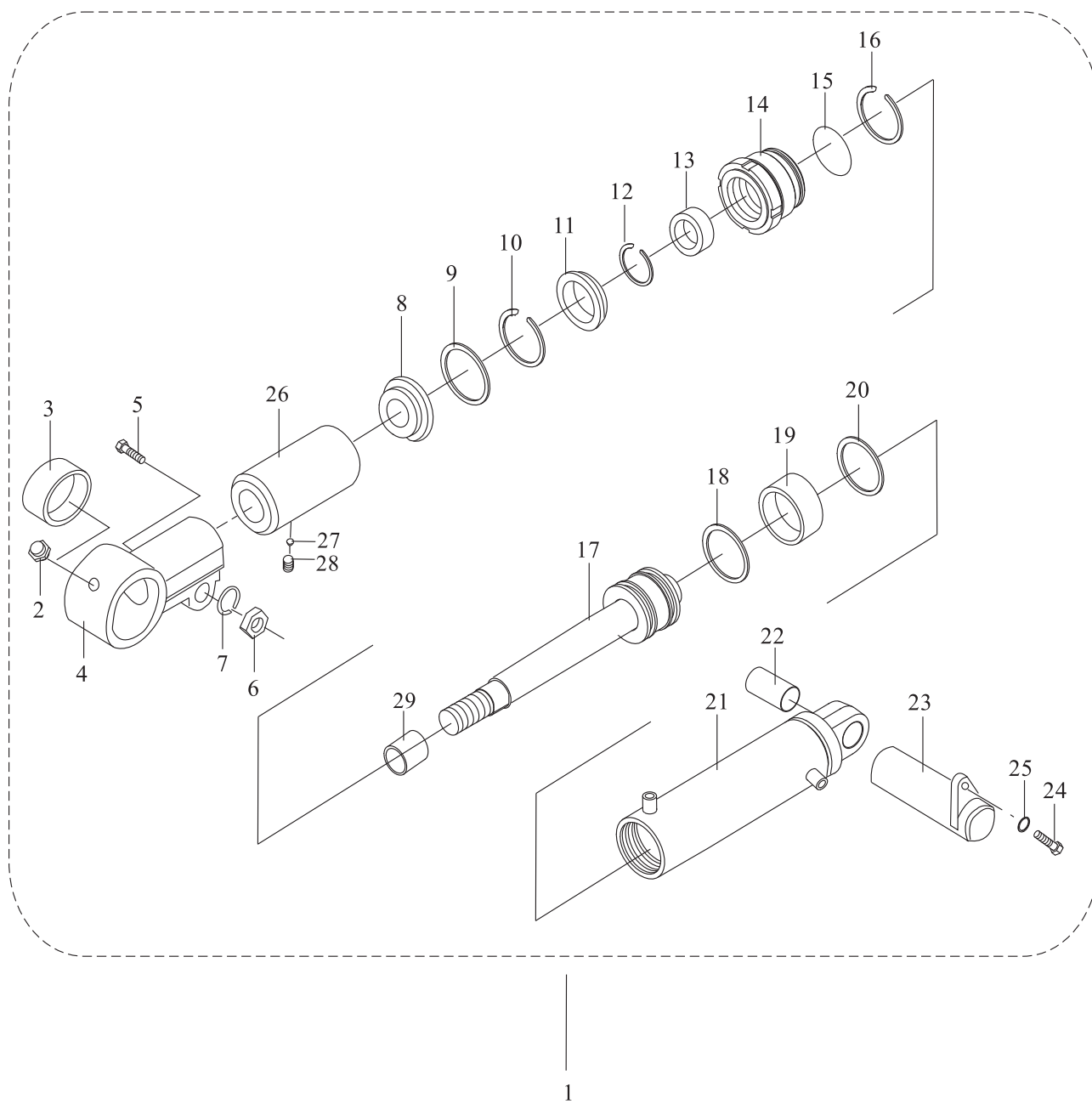
Loft cylinder



Loft cylinder

Item	Part No	Description	Q'ty	Remark
21	GB/T6171-2000	M14×1.5 Nut	2	
22	GB/T5786-2000	M30×2×60 Bolt	2	
23	GB/T93-1987	30 Washer,lock	2	
24	GB/T5786-2000	M16×1.5×65 Bolt	4	
25	M100A3-80001	U-bolt	2	
26	M100A3-80002	Support	2	
27	GB/T6171-2000	M12×1.25 Nut	4	
28	GB/T93-1987	12 Washer,lock	4	
29	GB/T97.1-1985	12 Washer	4	
30	GB/T5786-200	M14×1.5×45 Bolt	2	
31	M100A3-80100	Sheave	2	
32	GB894.1-86	75 Snap ring	2	
33	GB/T6171-2000	M18×1.5 Nut	2	
34	A100A4-10117	Nut	4	
35	GB/T91-2000	4×60 Pin	4	

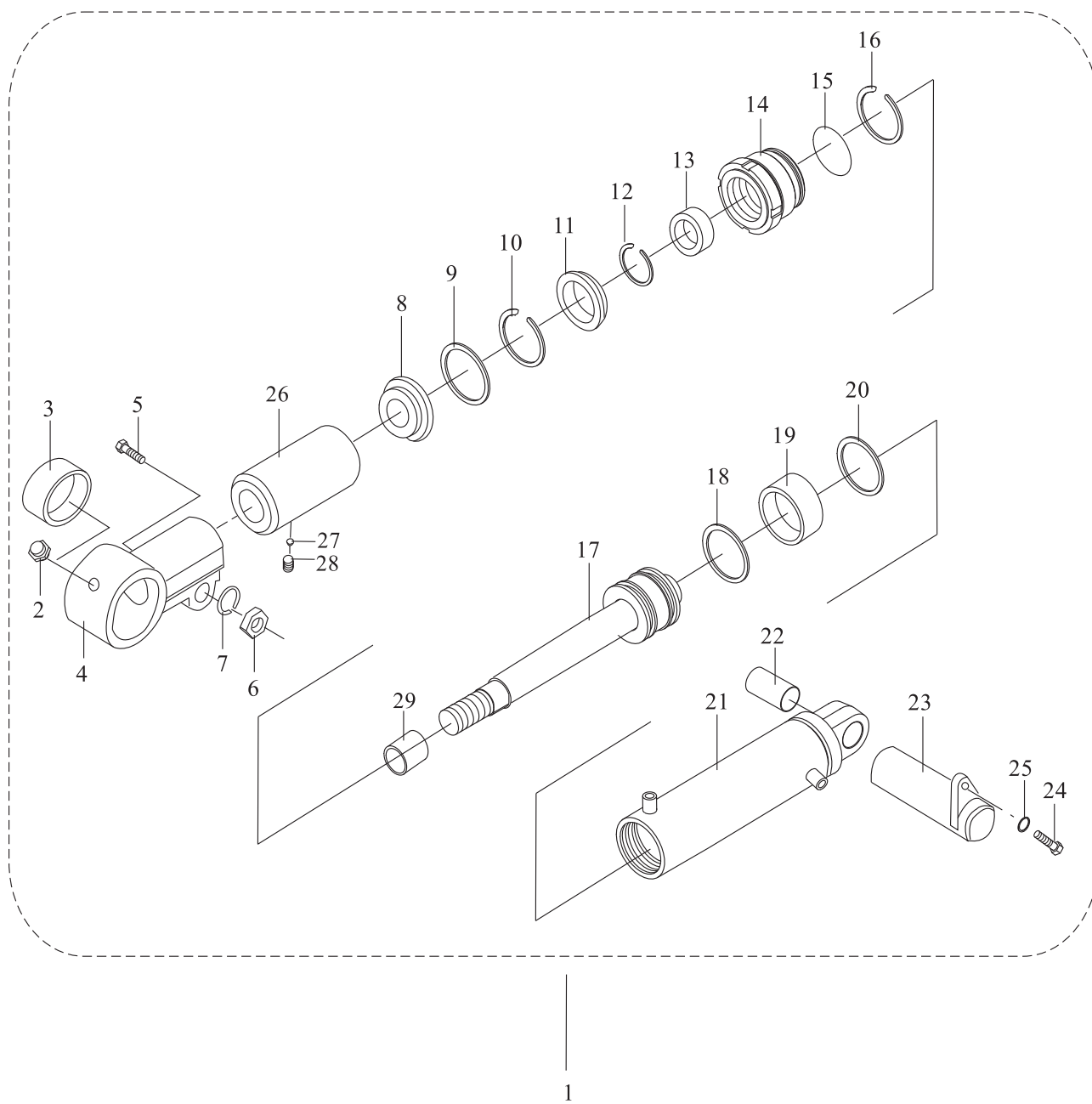
Tilt cylinder



Tilt cylinder

Item	Part No	Description	Q'ty	Remark
1	A100A3-10200	Tilt cylinder assy	2	
2	A50A3-10201	Z1/8 " Nipple grease	2	
3	A50A3-10202	5060 Bushing	2	
4	A50A3-10203	Ear ring	2	
5	GB/T5782-2000	M16×70 Bolt	2	
6	GB/T6710-2000	M16 Nut	2	
7	GB/T93-1987	16 Washer,lock	2	
8	A50A3-10204	72 Seal,dust	2	
9	GB893.1-86	72 Ring,snap	2	
10	A50A3-10205	Ring,snap	2	
11	A50A3-10206	50 U-ring	2	
12	A50A3-10207	Ring,snap	2	
13	A50A3-10208	5030 Bushing	2	
14	A50A3-10209	Guide,sleeve	2	
15	GB/T1235-76	O-ring	2	
16	A50A3-10210	Ring,snap	2	
17	A100A3-10201	piston body	2	
18	A50A3-10212	ring	4	
19	A50A3-10213	Wearing	2	
20	A50A3-10214	Ring,snap	2	
21	A100A3-10202	Tube,cylinder	2	
22	A50A3-10216	5058 Bushing	2	
23	M50A3-00100	Pin axle ass'y	4	

Tilt cylinder

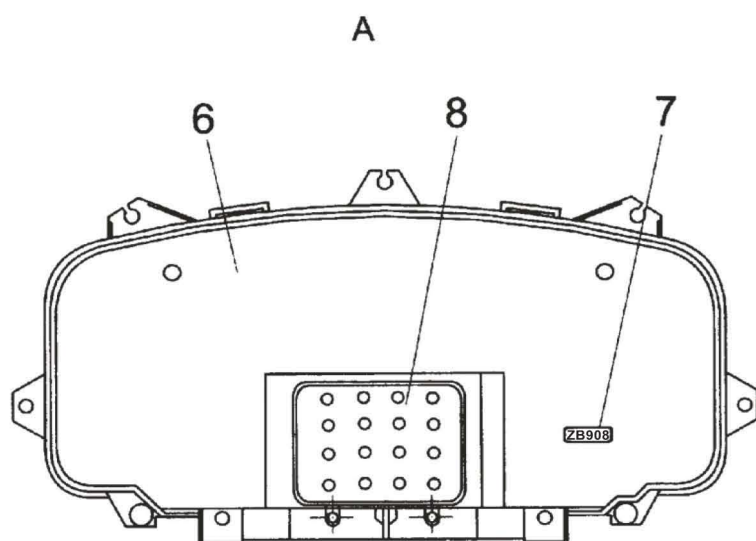
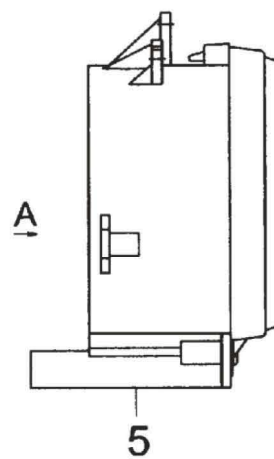
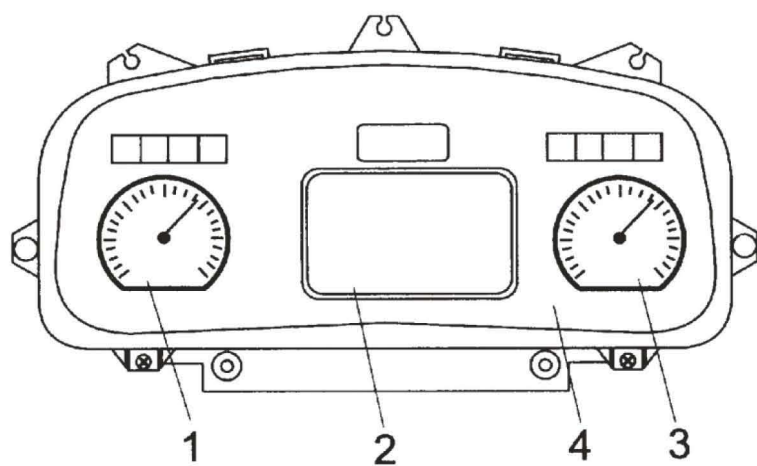


Tilt cylinder

Item	Part No	Description	Q'ty	Remark
24	GB/T5786-2000	M10×1.5×20 Bolt	4	
25	GB/T93-1987	10 Washer,lock	4	
26	A50A3-10217	Spacer	2	
27	A50A3-10218	Plug	2	
28	GB/T73-1985	M10×12 Screw	2	
29	A50A3-10219	Bushing	2	

ELECTRIC SYSTEM

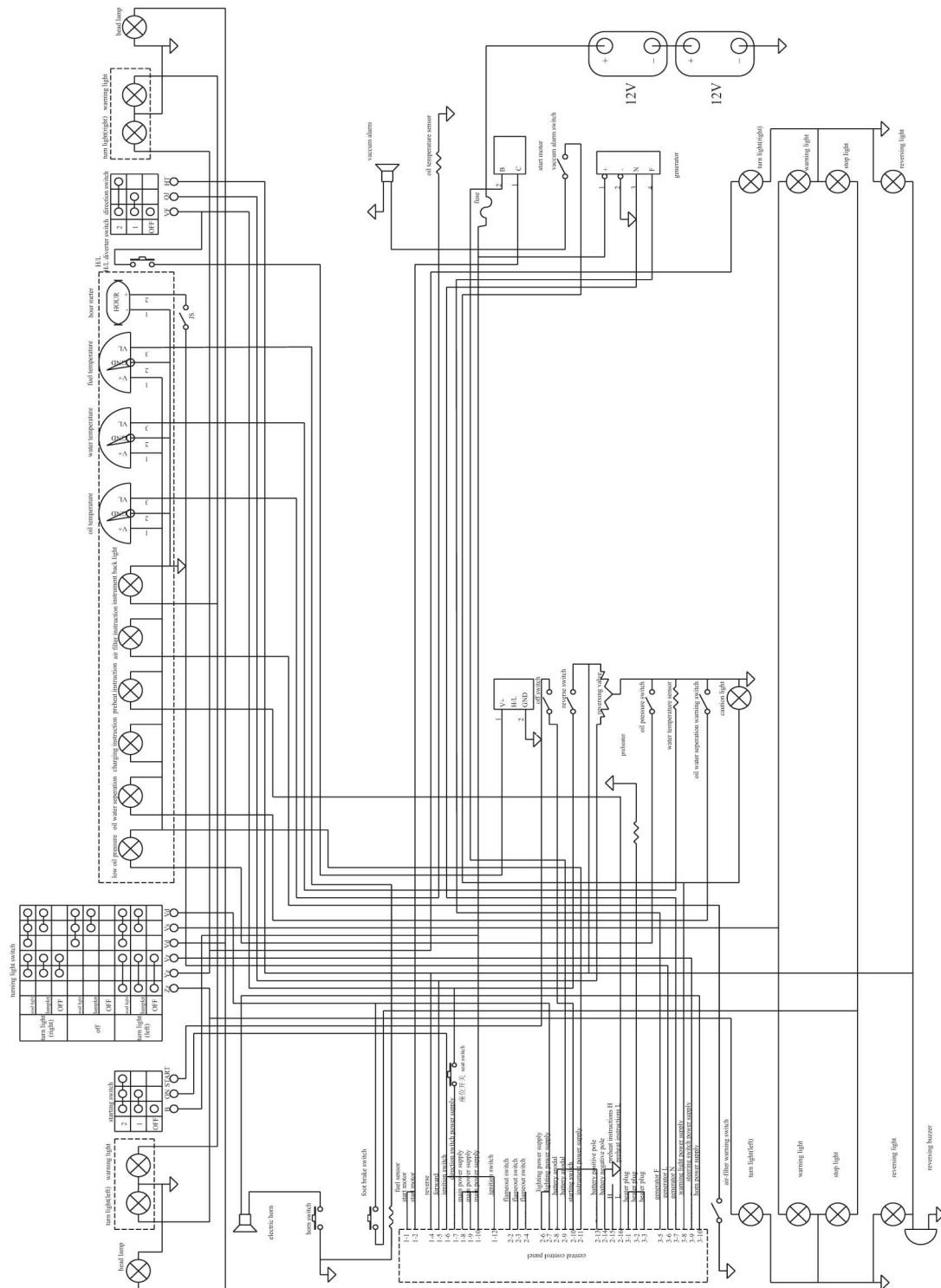
Instrument assembly (Hydraulic transmission)



1	Temperature
2	Circuit board & meter core
3	Fuel meter
4	Cover
5	Shunk
6	Rrar cover
7	Type sign
8	16-wire socket



Electric system



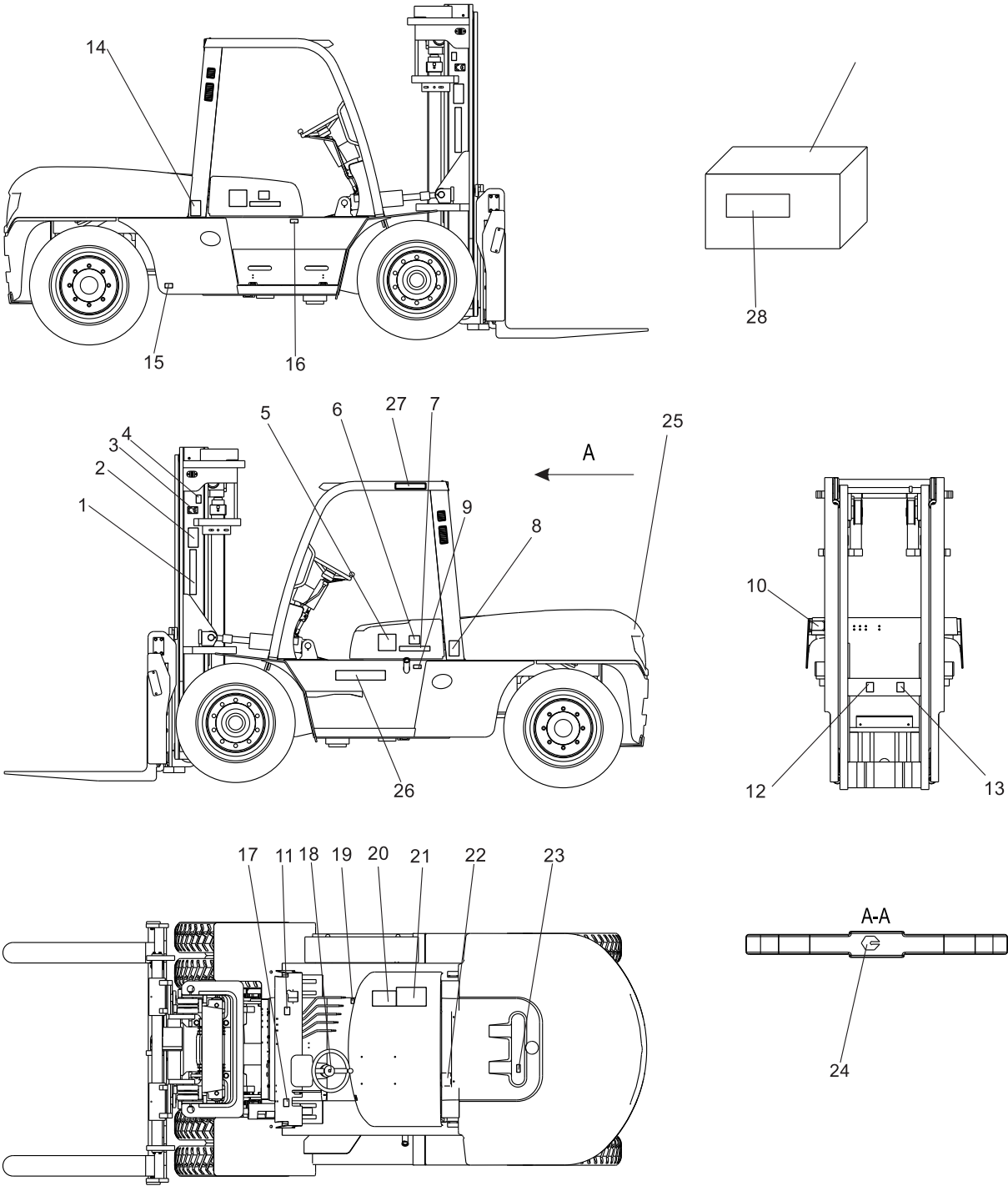
(FD100-KMS2)
Electrical circuit diagram(FD100-KMS2)

Electric system

Item	Part No	Description	Q'ty	Remark
1	A90F2-20100	Battery	2	
2	A50B2-01000	Panel	1	
3	DT04G-24WD2	Head lamp ass'y	2	
4	DT04G-24ZQX	Side lamp ass'y	2	
5	DT04G-XH8-16.3	Rear lights	1	
6	DT04G-LTD152	Caution light	1	
7	DT02G-Jk804-5D	Integral switch	1	
8	DT01G-ZB908W	Combination	1	
9	A30C2-00500	Right head guard harness	1	
10	A30C2-00400	Left head guard harness	1	
11	A50B2-00700	(+) Cable	1	
12	A50B2-01100	Battery cables	1	
13	A50B2-00800	(-) Cable	1	
14	A30B2-00900	Fused link wire	1	
15	A50K2-80100	Vehicle harness	1	
16	180型	Binding	20	
17	DZ03G-RC3/4	Oil temp sending unit	1	
18	DT03G-YG312	Fuel sensor	1	
19	DT05G-JK205A	Brake switch	1	
20	DT09G-DJB24B	Back buzzer	1	
21	DT09G-DL224ED	Horn	1	
22	A90F2-50200	oil pressure warning switch	1	
23	A90F2-50100	Water temp sending unit	1	
24	JD281A-120A	Starter relay	1	
25	A50K2-80200	Fused link wire	1	

SCUTCHEON

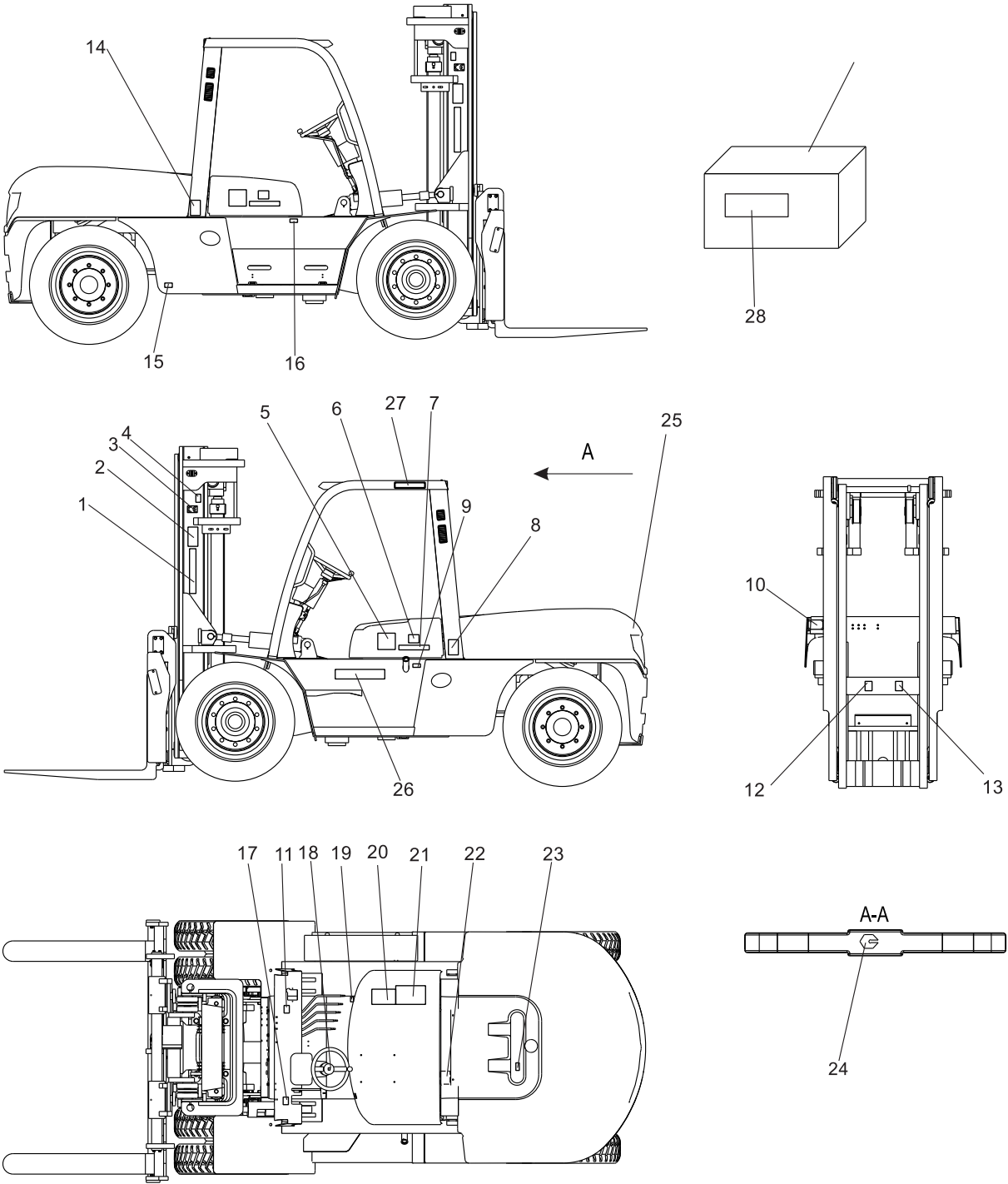
Decal



Decal

Item	Part No	Description	Q'ty	Remark
1	GCI0170	Decal	2	homeland
	GCI0089	"GOODSENSE" Decal	2	go abroad
2	GCI0001	Decal, safety	2	homeland
	GCIY053	Decal, safety	2	go abroad
3	GCI0022	"CE" Decal	2	go abroad
4	GCI0014	Decal,sling	2	homeland
	GCIY066	Decal,sling	2	go abroad
5	GCI0006	Decal,model	2	
6	GCI0038	"100" Decal	2	
7	GCI0041	"GOODSENSE" Decal	2	
8	GCI0005	Decal,caution	1	homeland
	GCIY057	Decal,caution	1	go abroad
9	GCI0008	Decal,fuel	1	homeland
	GCIY060	Decal,fuel	1	go abroad
10	GCI0094	Name plate	1	homeland
	GCIY097	Name plate	1	go abroad
11	GCI0052	10t Decal,lubrication chart	1	homeland
	GCIY084	10t Decal,lubrication chart	1	homeland
12	GCI0016	Decal, padlod mast space	1	homeland
	GCIY068	Decal, padlod mast space	1	go abroad
13	GCI0017	Decal,notice thumb hand	1	homeland
	GCIY069	Decal,notice thumb hand	1	go abroad
14	GCI0013	Decal,tyre safety	1	homeland
	GCIY065	Decal,tyre safety	1	go abroad

Decal



Decal

Item	Part No	Description	Q'ty	Remark
15	GCI0015	Decal,air pressure	1	homeland
	GCIY067	Decal,air pressure	1	go abroad
16	GCI0010	Decal,adding hydraulic oil	1	homeland
	GCIY062	Decal,adding hydraulic oil	1	go abroad
17	GCI0007	Decal,Parking brake adjustment	1	homeland
	GCIY059	Decal,Parking brake adjustment	1	go abroad
18	GCI0099	Logo Decal	1	
19	GCI0011	Decal,capacity	1	homeland
	GCIY063	Decal,capacity	1	go abroad
20	GCI0003	Decal,Iubrication chart	1	homeland
	GCIY055	Decal,Iubrication chart	1	go abroad
21	GCI0004	Decal	1	homeland
	GCIY056	Decal	1	go abroad
22	GCI0012	Decal,fan safety	1	homeland
	GCIY064	Decal,fan safety	1	go abroad
23	GCI0009	Decal,antifreeze liquid	1	homeland
	GCIY061	Decal,antifreeze liquid	1	go abroad
24	GCI0098	Logo Decal	1	
25	GCI0089	“GOODSENSE” Decal	1	
26	GCI0156	Decal	1	homeland
27	GCI0122	Warning Logo	1	homeland
	GCIY124	Warning Logo	1	go abroad
28	GCI0121	Electrical warning logo	1	homeland
	GCIY125	Electrical warning logo	1	go abroad



STARKE MATERIAL HANDLING GROUP

402 Allanburg Road • Thorold, ON L2V 1A4 • Canada

TOLL FREE 877-435-4352

www.starkeforklift.com • info@starkeforklift.com

