



Underground L.H.D loader DRWJ-2
Parts Manual

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Preface

DRWJ-2 internal combustion underground scooptram is the internal combustion underground scooptram of independent development and superior performance that our Company absorbs foreign advanced technology based on domestic and foreign mature parts.

Spare Parts Manual of DRWJ-2 Internal Combustion Underground scooptram is compiled according to the product design of DRWJ-2 internal combustion underground scooptram, and used for users in parts maintenance and procurement, and it can also help users to understand the structure of scooptram and parts assembly relationship. The Atlas does not compile the parts of auxiliary engine and drive axle in details, and relevant contents are shown in the operation instruction.

With the continuous development of science and technology and actual use requirement, the internal combustion underground scooptram is constantly improved and perfected, the spare parts manual may be different from the material product, please be subject to the current material product of internal combustion underground scooptram, and please consult with our Company or local dealer in case of any doubt. Users cannot regard the parts list and parts illustration in the spare parts manual as basis to provide any improper requirements. The changes after the product improvement will not be noticed.

Due to many contents involved in the spare parts manual, it is hard to avoid deficiencies, we hope users can timely feed opinions on product quality, performance and structure and experience and suggestion in use aspect back to us when cooperation with us, in order to further improve the product and perfect the use technology.

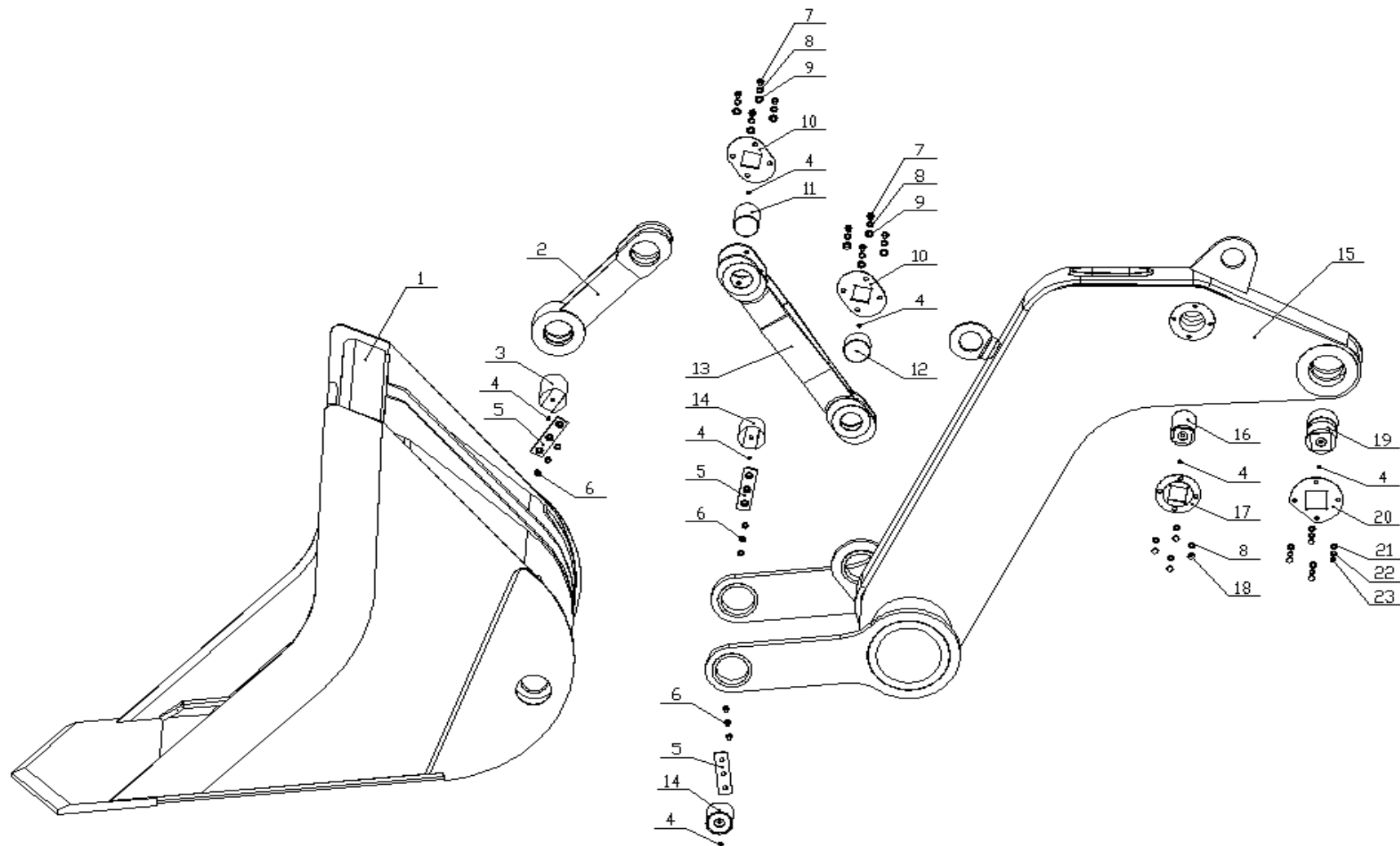
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Catalogue				
Serial No.	Code	Name		Page
NO.	Code	Description		Page
1		Assembly of working mechanism		4
2		Assembly of big arm		6
3		Link assembly		9
4		Assembly of front rack		11
5		Center upper hinge		14
6		Center lower hinge		16
7		Steering front hinge		18
8		Assembly of operating mechanism		20
9		Assembly of steering control mechanism		22
10		Assembly of working control mechanism		24
11		Cab assembly		26
12		Assembly of cockpit		28
13		Rear vehicle assembly		30
14		Assembly of rear rack		36
15		Bogie components		38
16		Bogie part		40
17		Diesel tank assembly		43
18		Hydraulic tank assembly		45
19		Engine device		48
20		Engine body cover plate assembly		51
21	WJ2050100	Hydraulic system of working device		53
22	WJ205010900	Cylinder		57
23	WJ205011000	Lifting oil cylinder		59
24	WJ2050200	Hydraulic steering system		61
25	WJ205020100	Steering oil cylinder		64
26	WJ2050300	Brake hydraulic system		66

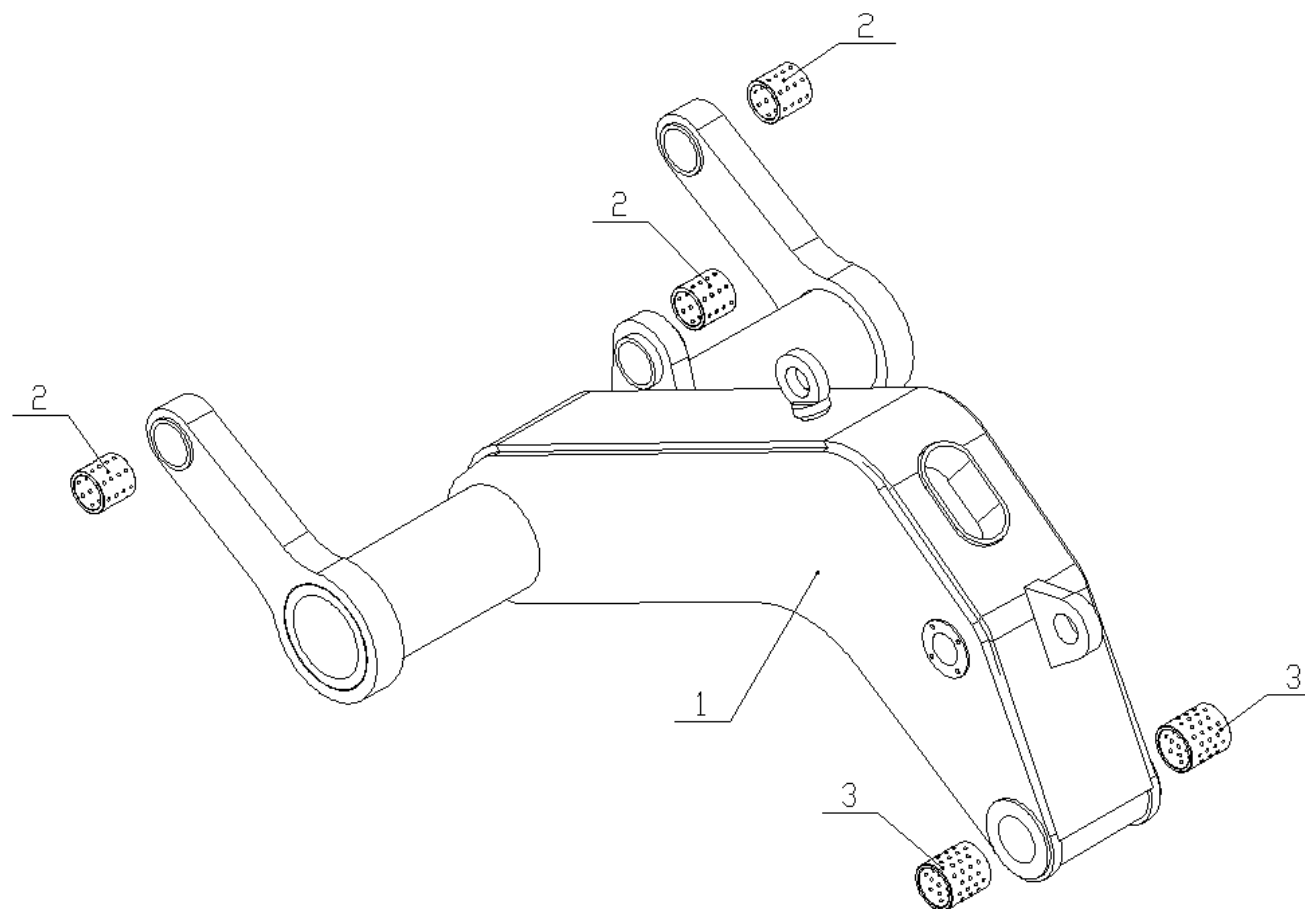
27	WJ2050400	Variable speed oil replenishing system		72
28	WJ20600	Driving system		74
29	WJ20700	Electric element		76

Assembly of working mechanism



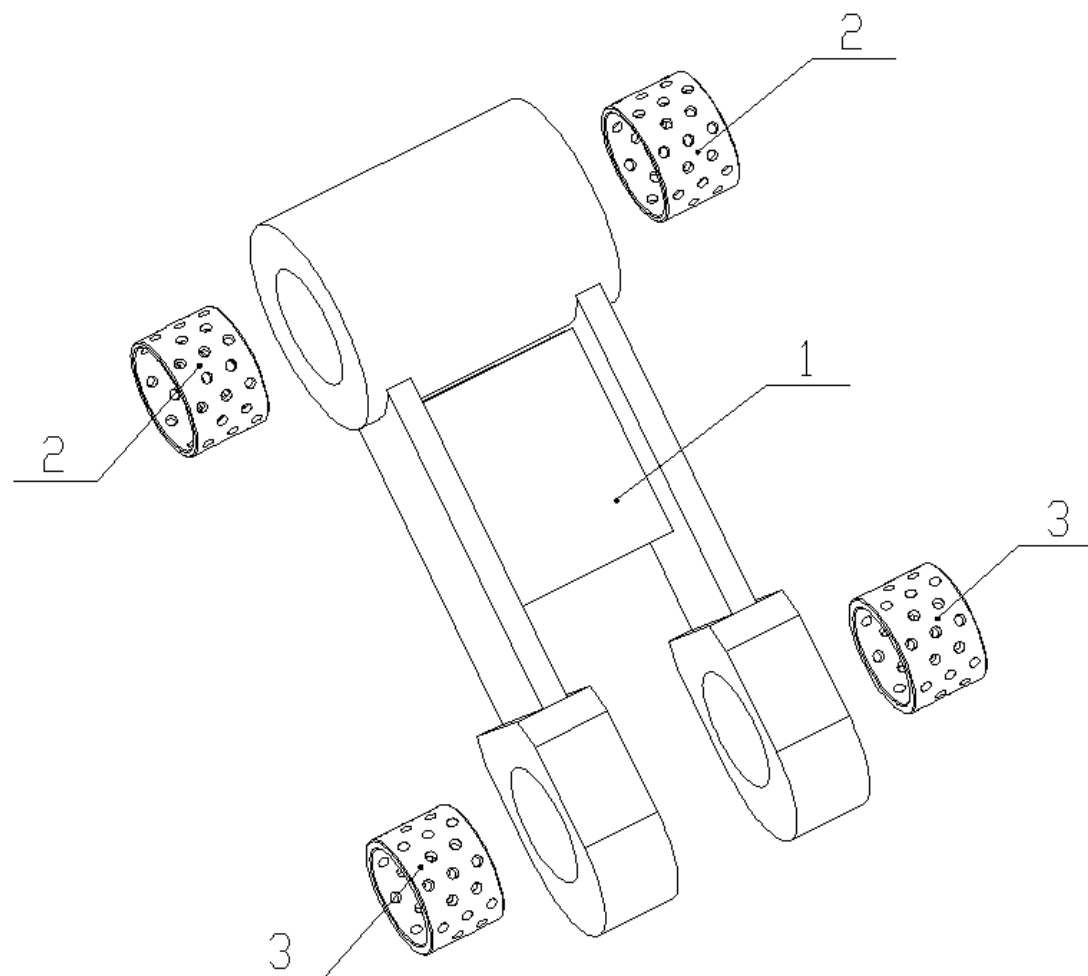
Serial No.	Code	Name		Quantity	Remark
1	WJ2030100	Bucket	Bucket	1	
2	WJ2030300	Connecting rod	Link	1	
3	WJ20307A	Connecting rod front pin shaft	Link front pin shaft	1	
4	5.020.00.000.3	Oil cup		7	
5	WJ20315	Locking block		3	
6	5.007.12.030.1	Screw		9	
7	5.001.12.050.1	Bolt		8	
8	5.010.00.012.0	Washer		12	
9	5.018.00.012.0	Washer		8	
10	WJ20304A	Locking flange		2	
11	WJ20305A	Connecting rod rear pin shaft		1	
12	WJ20310A	Swing arm rear pin		1	
13	WJ2030400	Rocker arm		1	
14	WJ20308A	Front pin shaft of big arm		2	
15	WJ2030200	Main arm		1	
16	WJ20302A	Lifting pin shaft		1	
17	WJ20303A	Lifting the rear locking plate		1	
18	5.001.12.030.1	Bolt		4	
19	WJ20709A	Big arm pin shaft		1	
20	WJ20702A	Baffle		1	
21	5.017.00.010.0	Washer		4	
22	5.010.00.010.0	Washer		4	
23	5.001.10.025.1	Bolt		4	

Assembly of big arm



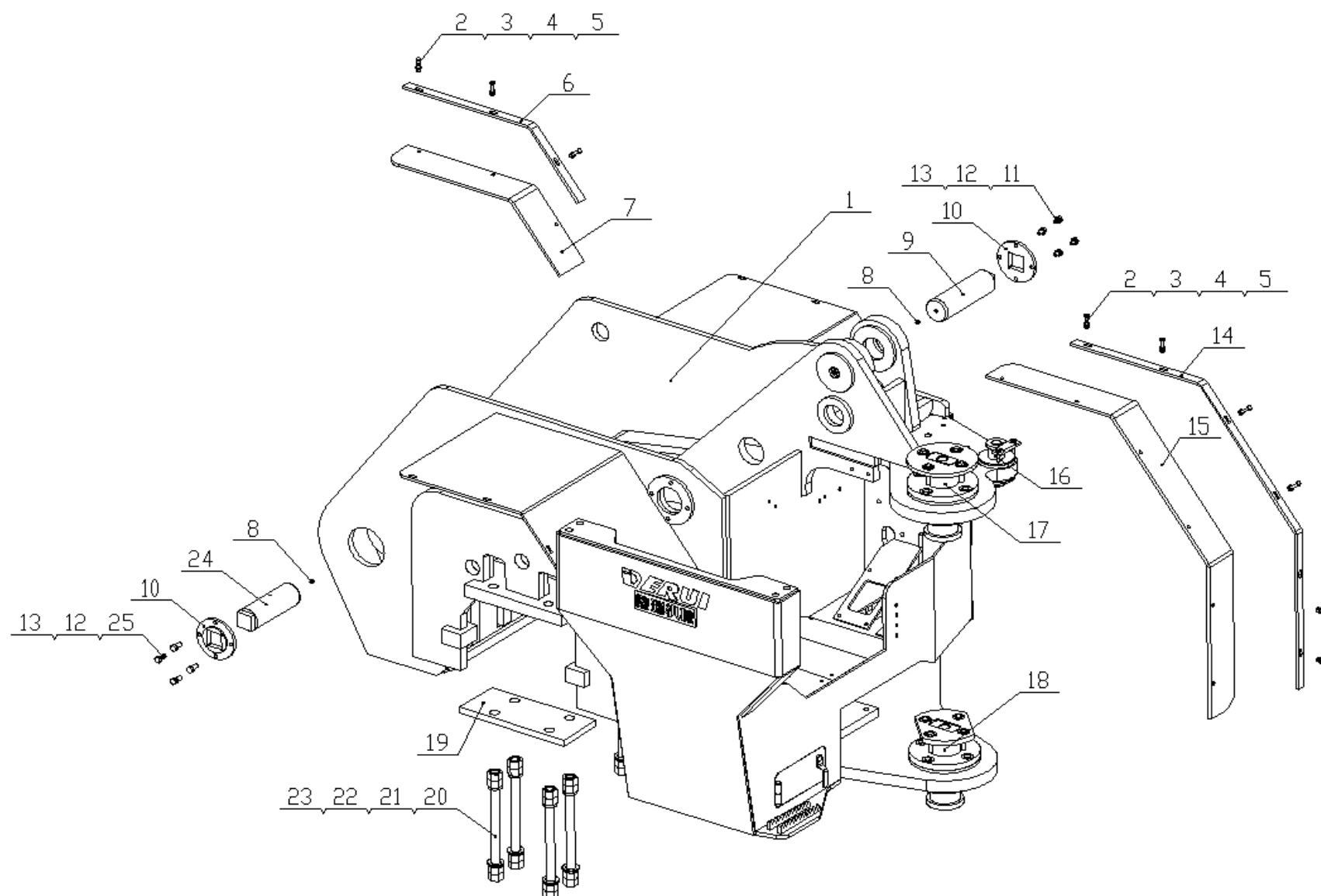
Serial No.	Code	Name		Quantity	Remark
1	WJ2030200	Main arm		1	
2	WJ20312	Swing arm front shaft copper sleeve		3	
3	WJ20314	Big arm rear shaft copper sleeve		2	

Link assembly



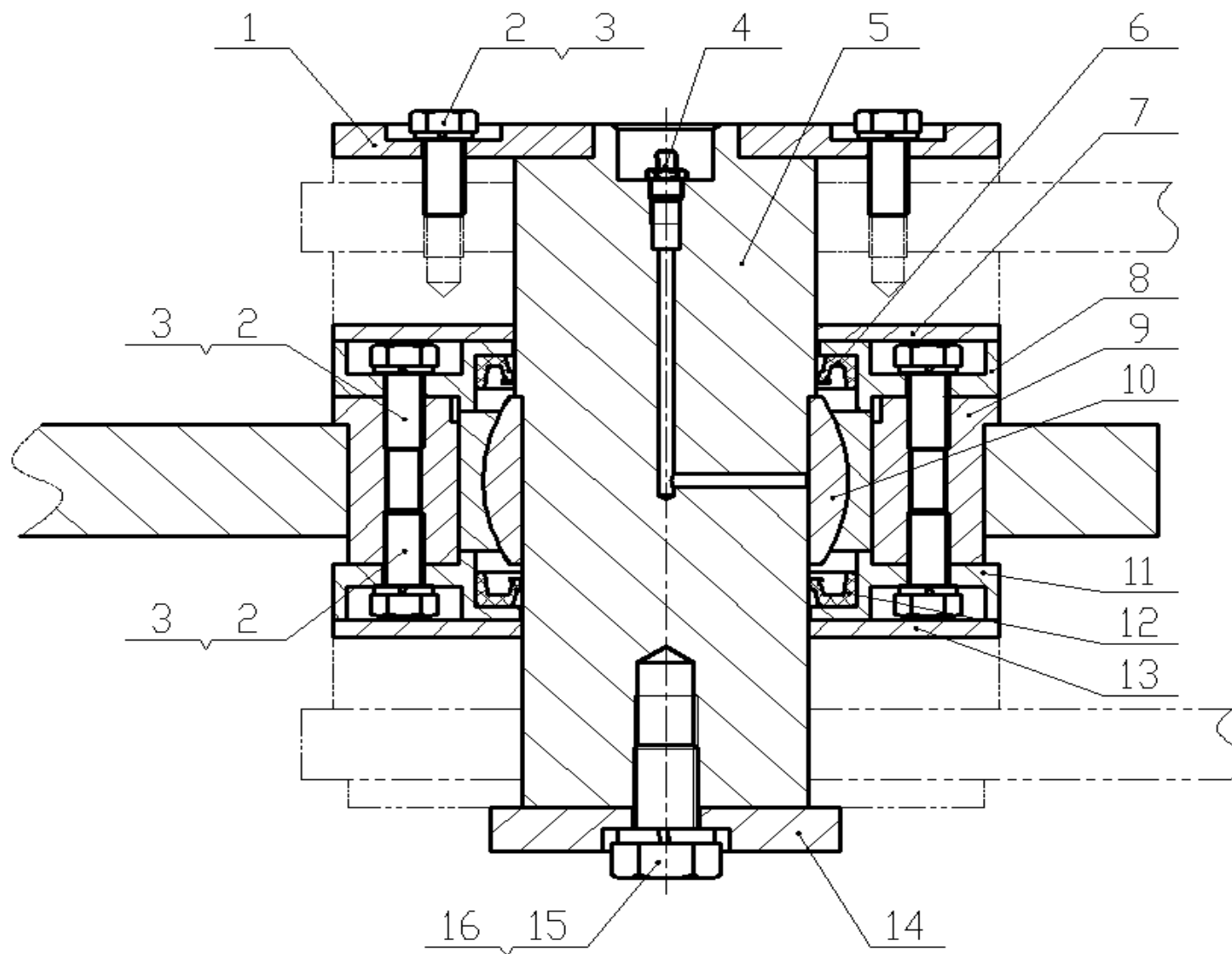
Serial No.	Code	Name		Quantity	Remark
1	WJ2030300	Connecting rod		1	
2	WJ20313	Connecting rod front axle copper sleeve		2	
3	WJ20316	Swing arm front shaft copper sleeve		2	

Front rack assembly



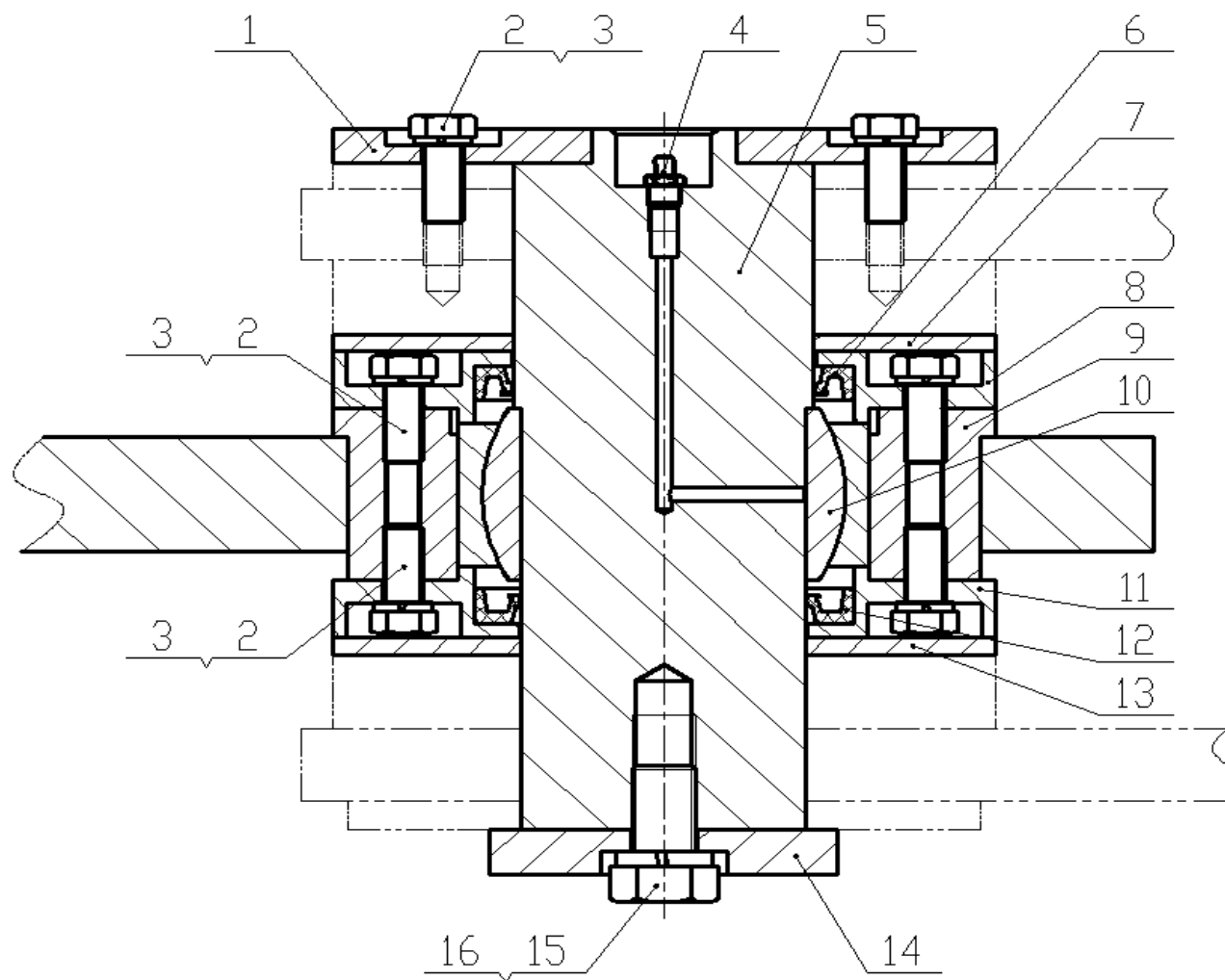
Serial No.	Code	Name	Quantity	Remark
1	WJ2070100A	Front rack	1	
2	5.001.08.040.1	Bolt	9	
3	5.010.00.008.0	Washer	9	
4	5.018.00.008.0	Washer	9	
5	5.005.08.000.1	Nut	9	
6	WJ210101A	Front left mud pressing plate	1	
7	WJ210102A	Front left mud rubber plate	1	
8	5.020.00.000.3	Oil cup	2	
9	WJ20707A	Skip pin shaft	1	
10	WJ20708A	Baffle	2	
11	5.001.10.020.1	Bolt	4	
12	5.010.00.010.0	Washer	8	
13	5.018.00.010.0	Washer	8	
14	WJ210103A	Front right mud pressing plate	1	
15	WJ210104A	Front right mud rubber plate	1	
16		Steering front hinge	1	
17		Center upper hinge	1	
18		Center lower hinge	1	
19	WJ20701	Axle bottom connecting plate	2	
20	GB/T 900-88	Stud M27x2x370-12.9-Zn.D	8	
21	5.006.27.002.3	Nut	32	
22	5.010.00.027.0	Washer	16	
23	5.018.00.027.0	Washer	16	
24	WJ20710A	Pin	1	
25	5.001.10.030.1	Bolt	4	

Center upper hinge



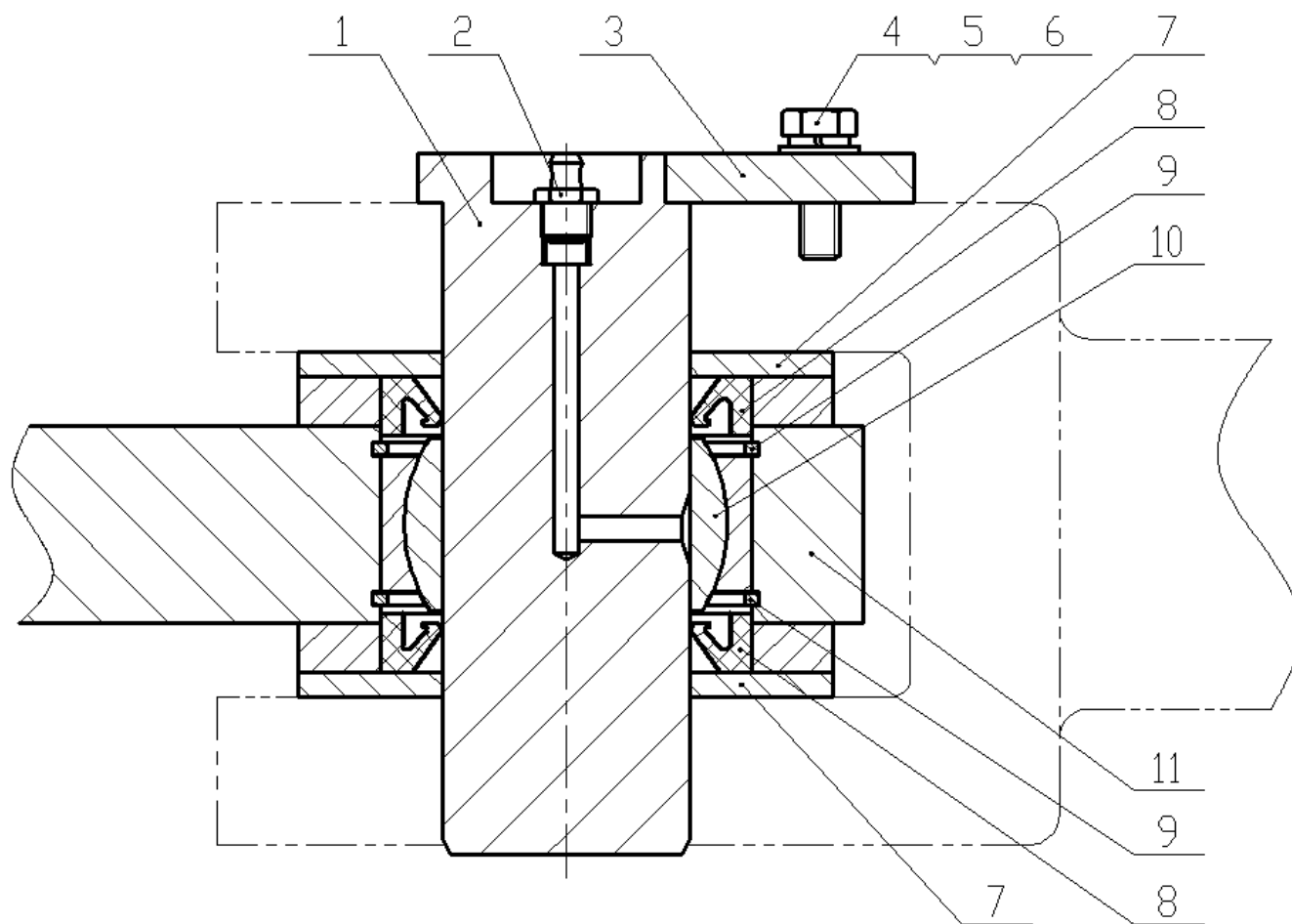
Serial No.	Code	Name	Quantity	Remark
1	WJ20208	Upper clamping plate	1	
2	5.001.12.030.1	Bolt	12	
3	5.010.00.008.0	Washer	12	
4	5.020.00.000.3	Oil cup	1	
5	WJ20207A	Hinge pin	1	
6	5.014.12.095.0	Oil seal	1	
7	WJ20227A	Adjusting pad	1	
8	WJ20206A	Upper oil seal cover	1	
9	WJ2070100A	Front rack	1	
10	GE90ES	Radial spherical plain bearing	1	
11	WJ20203A	Lower oil seal cover	1	
12	5.014.12.090.0	Oil seal	1	
13	WJ20228A	Adjusting pad	1	
14	WJ202015A	Hinge pin shaft pressing plate	1	
15	5.001.20.040.1	Head bolt	1	
16	5.010.00.020.0	Washer	1	

Center lower hinge



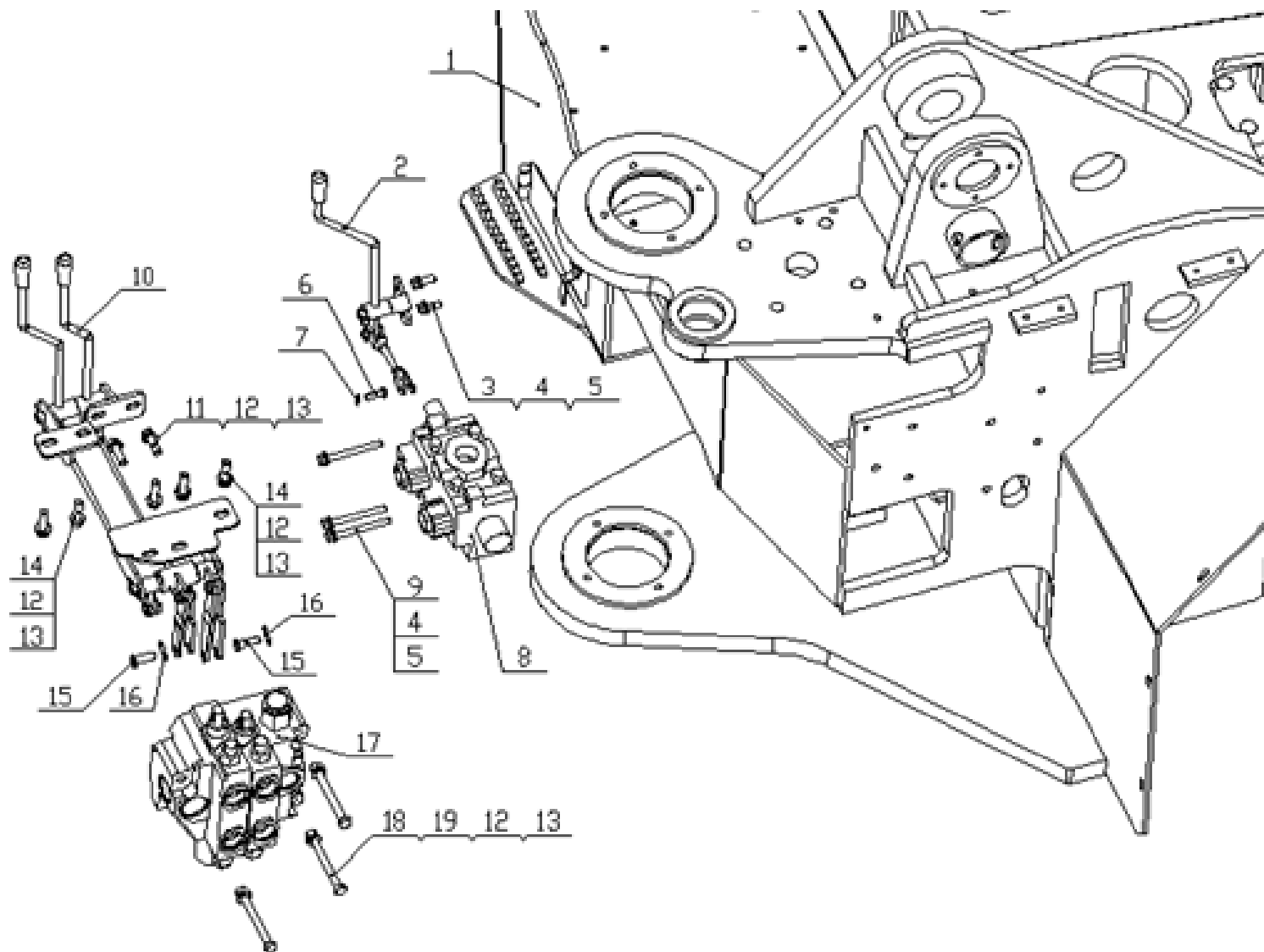
Serial No.	Code	Name	Quantity	Remark
1	WJ20232A	Lower clamping plate	1	
2	5.001.12.030.1	Bolt	12	
3	5.010.00.008.0	Washer	12	
4	5.020.00.000.3	Oil cup	1	
5	WJ20207A	Hinge pin	1	
6	5.014.12.095.0	Oil seal	1	
7	WJ20227A	Adjusting pad	1	
8	WJ20206A	Upper oil seal cover	1	
9	WJ2070100A	Front rack	1	
10	GB/T 304.1-2002	Radial spherical plain bearing GE90ES-2RS	1	
11	WJ20203A	Lower oil seal cover	1	
12	5.014.12.090.0	Oil seal	1	
13	WJ20228A	Adjusting pad	1	
14	WJ202015A	Hinge pin shaft pressing plate	1	
15	5.001.20.040.1	Bolt	1	
16	5.010.00.020.0	Washer	1	

Steering front hinge



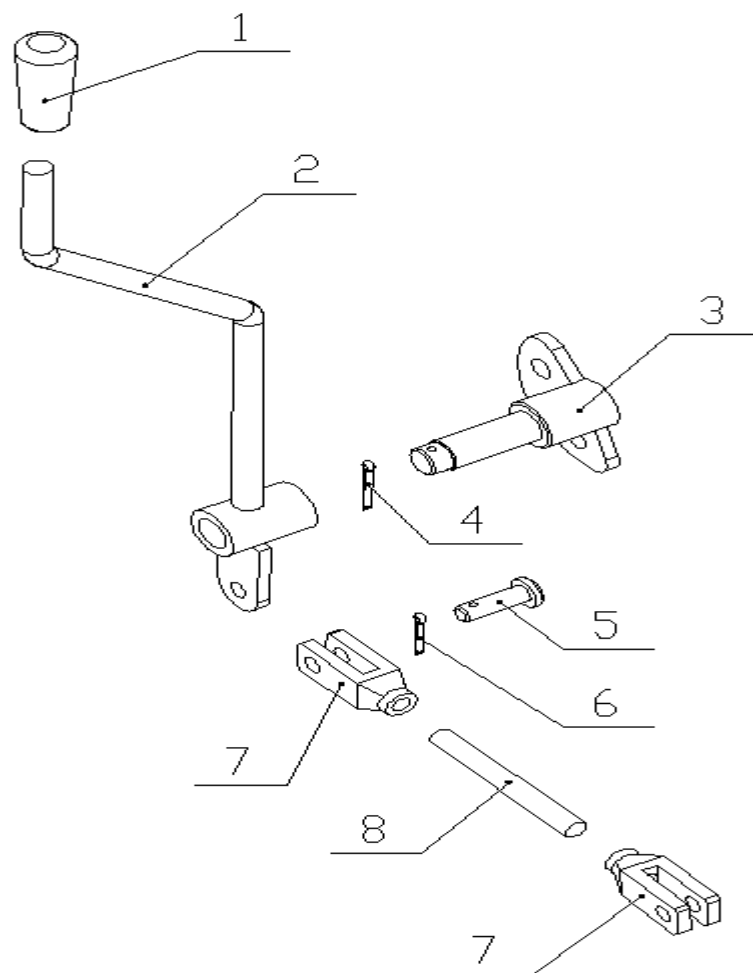
Serial No.	Code	Name	Quantity	Remark
1	WJ20705A	Steering pin shaft	1	
2	5.020.00.000.3	Oil cup	1	
3	WJ20704A	Baffle	1	
4	5.001.08.025.1	Bolt	2	
5	5.010.00.008.0	Washer	2	
6	5.017.00.008.0	Washer	2	
7	WJ20706	Oil-bearing copper pad	2	
8	5.014.12.050.0	Oil seal	2	
9	5.012.00.075.0	Retainer ring	2	
10	GB/T 304.1-2002	Radial spherical plain bearing GE50ES-2RS	1	
11	WJ2070100A	Front rack	1	

Assembly of operating mechanism



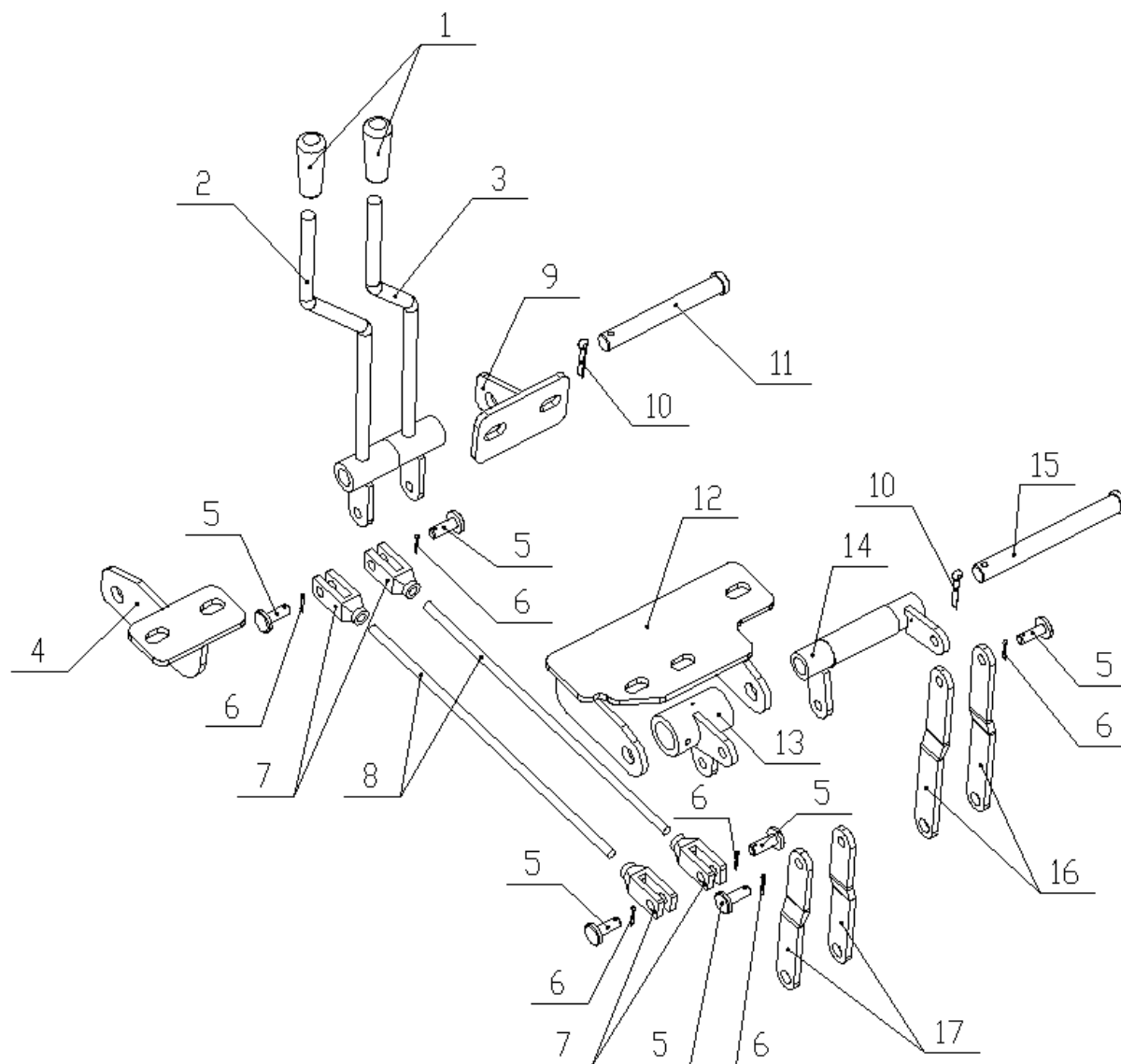
Serial No.	Code	Name	Quantity	Remark
1	WJ2070100A	Front rack	1	
2	WJ2090100A	Steering control mechanism	1	
3	5.001.10.030.1	Bolt	2	
4	5.010.00.010.0	Washer	5	
5	5.017.00.010.0	Washer	5	
6	WJ2090104A	Pin	2	
7	5.013.32.025.0	Split pin	1	
8		Diversion valve	1	
9	5.002.10.100.1	Bolt	3	
10	WJ2090200A	Work operating mechanism	1	
11	5.001.12.040.1	Bolt	2	
12	5.010.00.012.0	Washer	10	
13	5.017.00.012.0	Washer	10	
14	5.001.12.050.1	Bolt	5	
15	WJ2090209A	Connecting pin shaft of working valve	2	
16	5.013.04.028.0	Split pin	2	
17		Working valve	1	
18	5.001.012.120.1	Bolt	3	
19	5.005.12.000.1	Nut	3	

Assembly of steering control mechanism



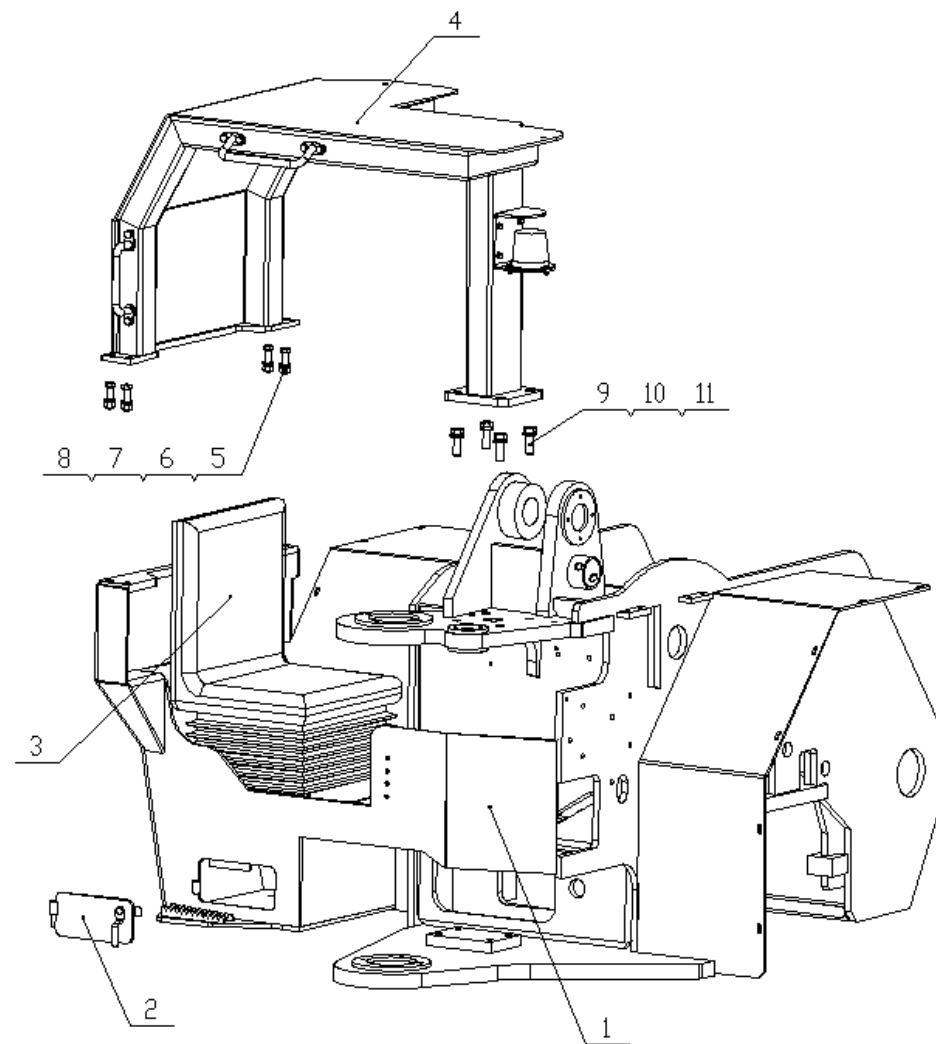
Serial No.	Code	Name	Quantity	Remark
1	JB/T7271.1-94	Handle ball BM12×40	1	
2	WJ209010100A	Control lever	1	
3	WJ2090102A	Cylindrical seat	1	
4	5.013.32.032.0	Split pin	1	
5	WJ2090104A	Pin	1	
6	5.013.32.025.0	Split pin	1	
7	WJ2090105A	U-shaped clip	2	
8	WJ2090103A	Connecting rod	1	

Assembly of working control mechanism



Serial No.	Code	Name	Quantity	Remark
1	JB/T7271.1-94	Handle ball BM12×40	2	
2	WJ209020200A	Control lever II	1	
3	WJ209020100A	Control lever I	1	
4	WJ2090201A	Support I	1	
5	WJ2090104A	Pin	6	
6	5.013.32.025.0	Split pin	6	
7	WJ2090209A	U-shaped clip	4	
8	WJ2090205A	Connecting rod	2	
9	WJ2090203A	Support II	1	
10	5.013.05.036.0	Split pin	2	
11	WJ2090202A	Pin I	1	
12	WJ2090206A	Support III	1	
13	WJ209020300A	Articulated fork I	1	
14	WJ209020400A	Articulated fork II	1	
15	WJ2090204A	Pin shaft II	1	
16	WJ2090207A	Connecting plate 1	2	
17	WJ2090210A	Connecting plate 2	2	

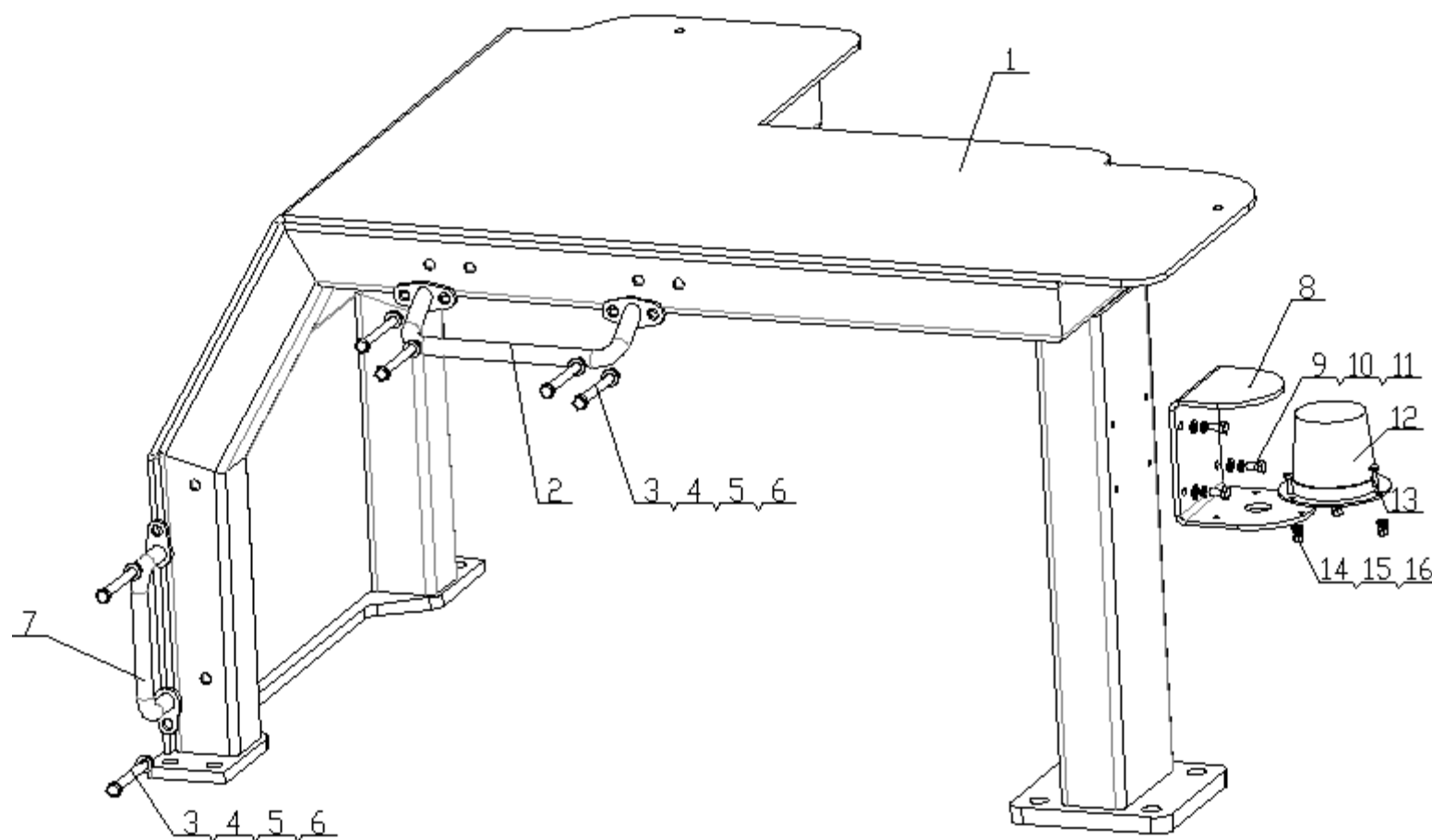
Cab assembly



Cab assembly

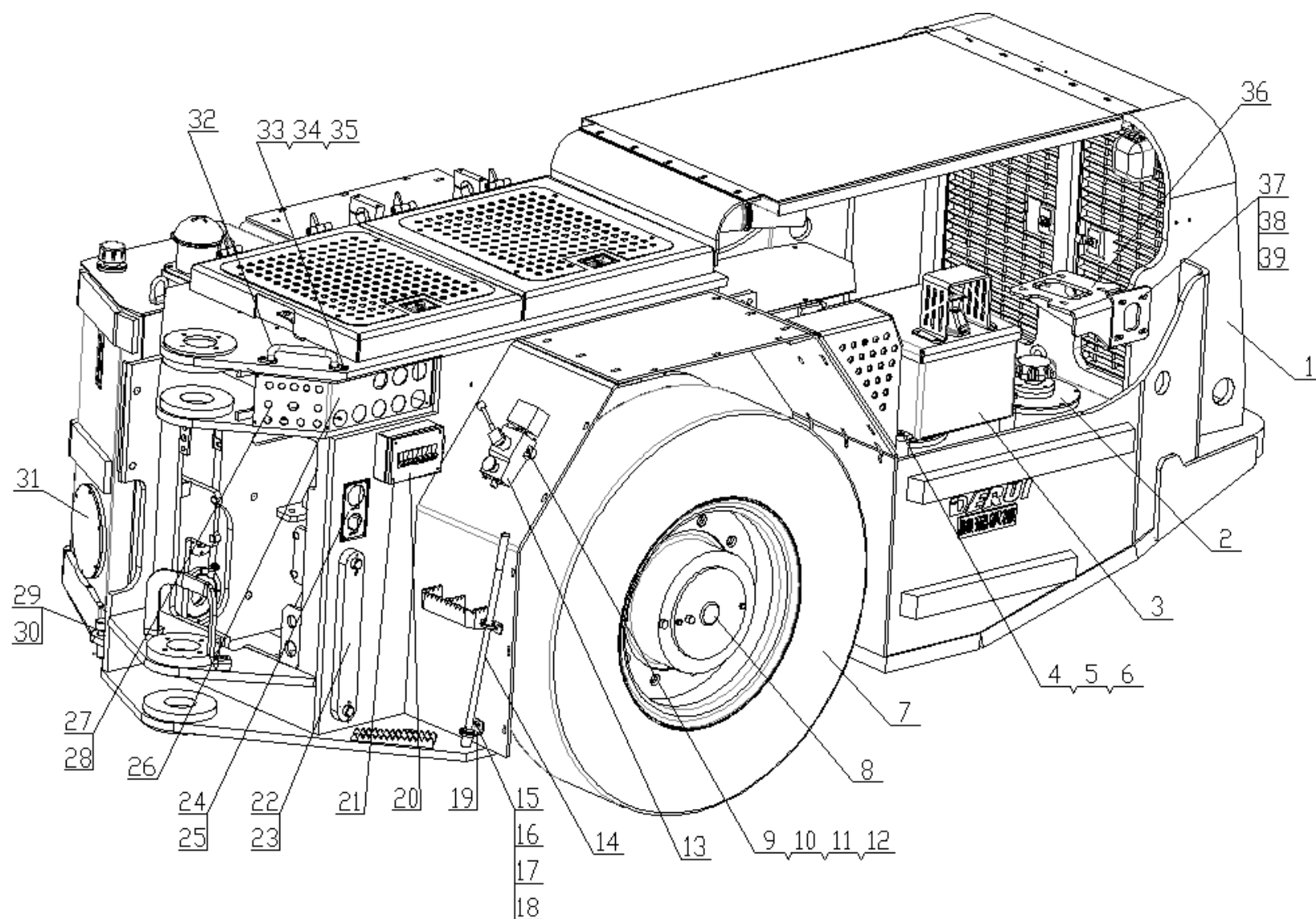
Serial No.	Code	Name	Quantity	Remark
1	WJ2070100A	Front rack	1	
2	WJ2070100A	Cab door panel	1	
3		Cab seat	1	
4		Assembly of cockpit	1	
5	5.001.16.060.1	Bolt	4	
6	5.010.00.016.0	Washer	4	
7	5.017.00.016.0	Washer	4	
8	5.005.16.000.1	Nut	4	
9	5.001.20.060.1	Bolt	4	
10	5.010.00.020.0	Washer	4	
11	5.017.00.020.0	Washer	4	

Assembly of cockpit

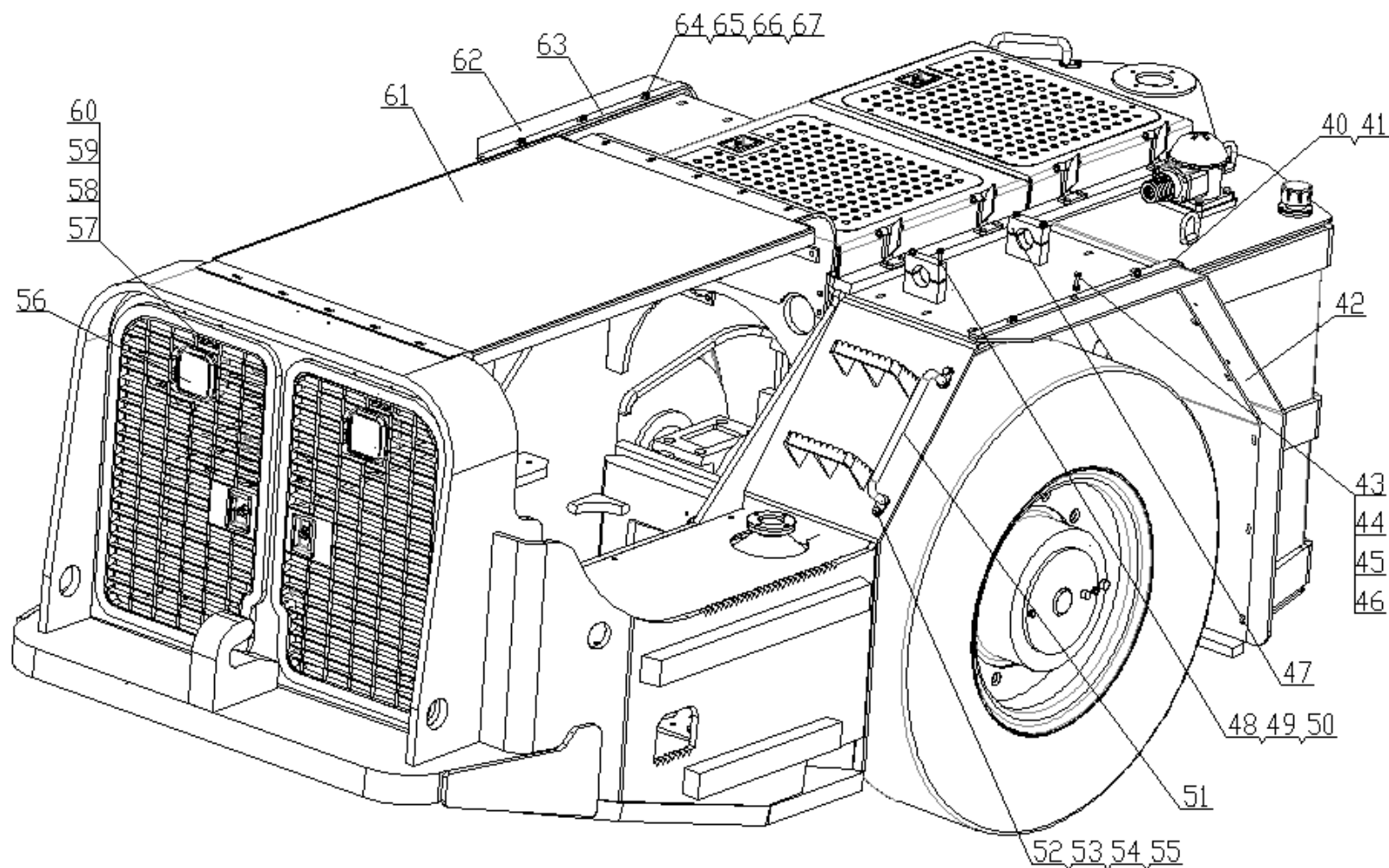


Serial No.	Code	Name Description	Quantity	Remark
1	WJ20702000A	Driving shed	1	
2	WJ20702007A	Handle II	1	
3	5.002.10.100.1	Bolt	6	
4	5.010.00.010.0	Washer	6	
5	5.017.00.010.0	Washer	6	
6	5.005.10.000.1	Nut	6	
7	WJ20702006A	Handle I	1	
8	WJ20702004A	Warning light Mounting seat	1	
9	5.001.08.016.1	Bolt	4	
10	5.010.00.008.0	Washer	4	
11	5.017.00.008.0	Washer	4	
12		Warning light 3318	1	
13	5.001.06.020.1	Bolt	3	
14	5.010.00.006.0	Washer	3	
15	5.017.00.006.0	Washer	3	
16	5.005.06.000.1	Nut	3	

Rear vehicle assembly



Rear vehicle assembly

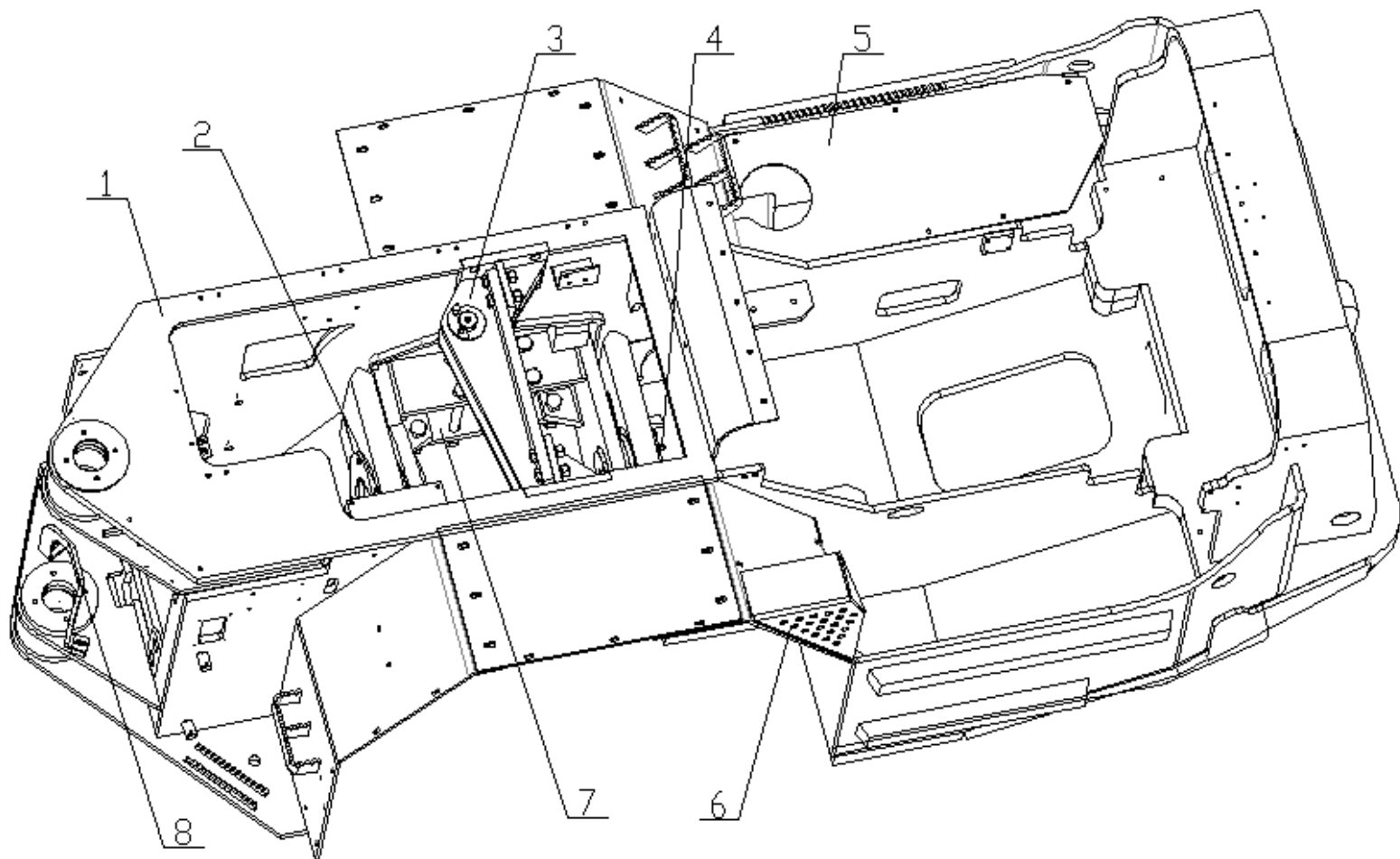


Serial No.	Code	Name	Quantity	Remark
1	WJ20800A	Assembly of rear rack	1	
2		Diesel tank assembly	1	
3	WJ20600A	Assembly of battery box	1	
4	5.001.16.045.1	Bolt	4	
5	5.010.00.016.0	Washer	4	
6	5.017.00.016.0	Washer	4	
7		Tire assembly	2	
8		MEITONG axle	1	
9	5.001.10.045.1	Bolt	2	
10	5.010.00.010.0	Washer	2	
11	5.017.00.010.0	Washer	2	
12	5.005.10.000.1	Nut	2	
13		Hand oil pump	1	
14		Hand oil pump rod	1	
15	5.001.10.045.1	Bolt	2	
16	5.010.00.010.0	Washer	2	
17	5.017.00.010.0	Washer	2	
18	5.005.10.000.1	Nut	2	
19	WJ2009A	Hand oil pump rod permanent seat	2	
20	WJ20200A	Circuit breaker box components	1	
21	GB/T 823-85	Cross pan head screw M5×10	4	
22	WJ20234A	Lock plate	1	
23	5.013.04.065.0	Split pin	2	
24	WJ2090501A	Pressure gauge panel	1	
25	GB/T 823-85	Cross pan head screw M5×10	4	
26		Instrument panel 2	1	
27		Instrument panel 1	1	

28	GB/T 823-85	Cross pan head screw M5×10		8	
29	WJ20235A	Fixed pin shaft for locking		1	
30	5.013.04.065.0	Split pin		1	
31	WJ2070100A	Hydraulic oil tank assembly		1	
32	WJ20201A	Handle 1		1	
33	5.001.12.030.1	Bolt		2	
34	5.010.00.012.0	Washer		2	
35	5.017.00.012.0	Washer		2	
36	WJ20200300A	Air filter support assembly		1	
37	5.001.10.040.1	Hexagon Bolt		4	
38	5.010.00.010.0	Washer		4	
39	5.017.00.010.0	Washer		4	
40	WJ210107A	Rear right mud pressing plate 1		1	
41	WJ210108	Rear right mud pressing plate 2		1	
42	WJ210109A	Rear right mud rubber plate		1	
43	5.001.08.040.1	Bolt		8	
44	5.010.00.008.0	Washer		8	
45	5.017.00.008.0	Washer		8	
46	5.005.08.000.1	Nut		8	
47	WJ2050151A-2	Hydraulic oil return pipe clamp		2	
48	5.001.08.060.1	Bolt		4	
49	5.010.00.008.0	Washer		4	
50	5.017.00.008.0	Washer		4	
51	WJ20202A	Handle 2		1	
52	5.001.12.030.1	Bolt		2	
53	5.010.00.012.0	Washer		2	
54	5.017.00.012.0	Washer		2	
55	5.005.12.000.1	Nut		2	

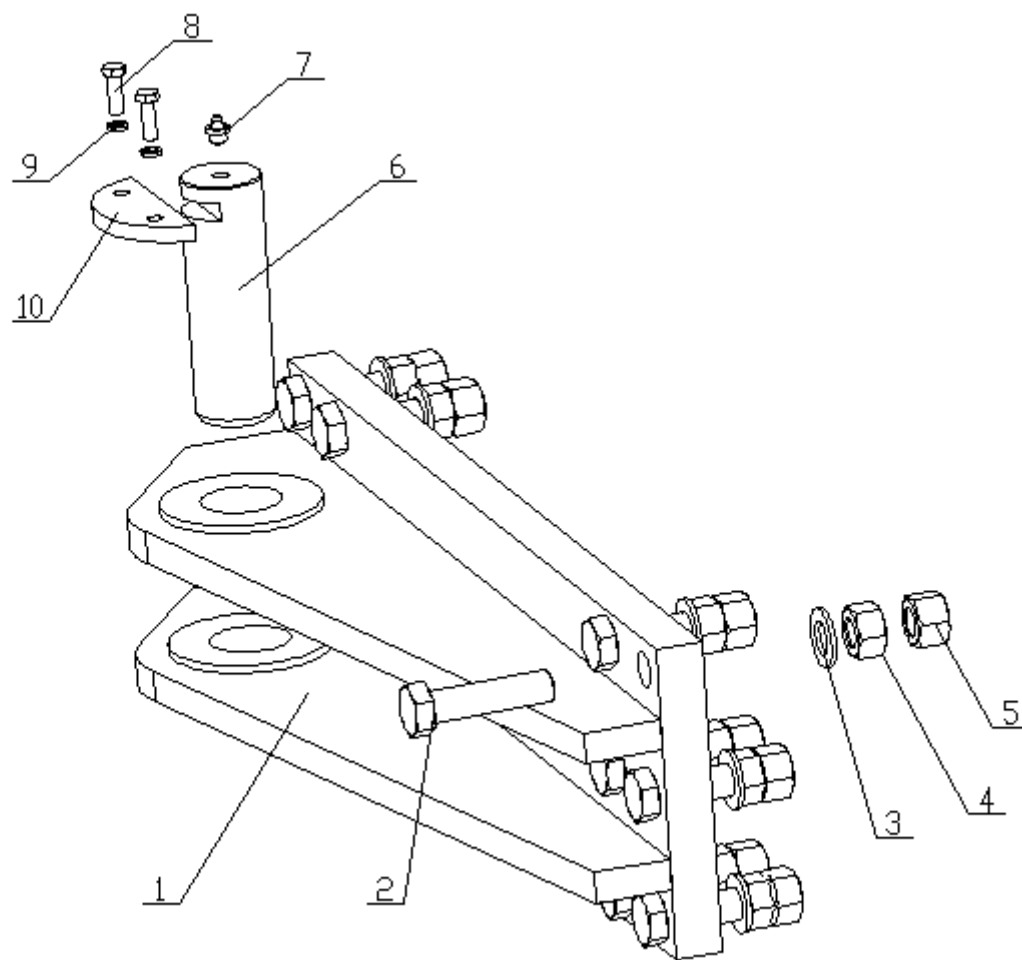
56		Tail light assembly		2	
57	WJ2008A	Tail light mounting seat		2	
58	5.001.08.030.1	Bolt		4	
59	5.017.00.008.0	Washer		4	
60	5.010.00.008.0	Washer		4	
61	WJ2020200A	Engine body cover plate assembly		1	
62	WJ210106A	Rear left mud rubber plate		1	
63	WJ210105	Rear left mud pressing plate		1	
64	5.001.08.040.1	Bolt		8	
65	5.010.00.008.0	Washer		8	
66	5.017.00.008.0	Washer		8	
67	5.005.08.000.1	Nut		8	

Assembly of rear rack



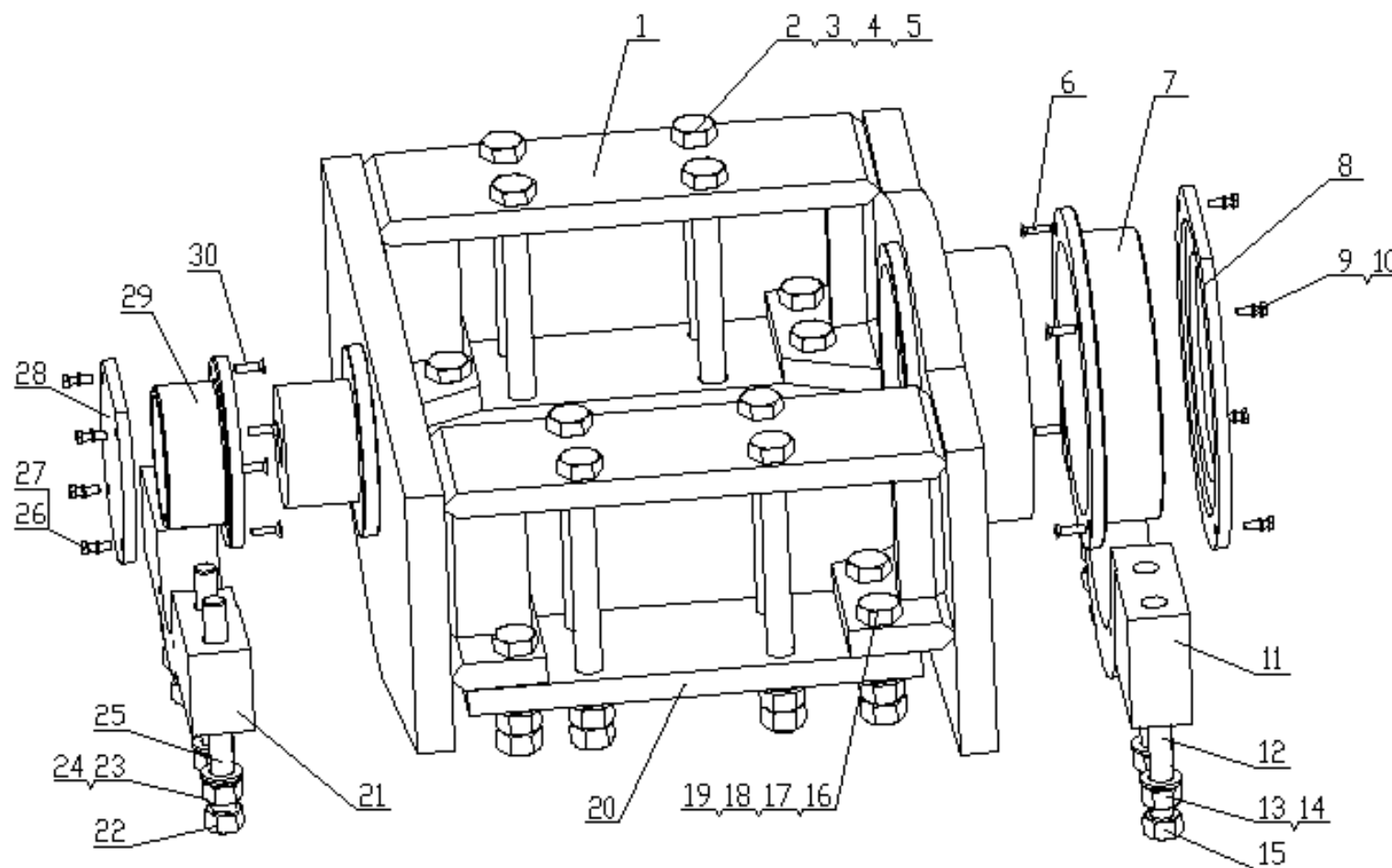
Serial No.	Code	Name	Quantity	Remark
1	WJ2020100A	Rear rack	1	
2	WJ20229A	Pipe joint	1	
3		Bogie components	1	
4	WJ20229A	Pipe joint	1	
5	WJ2006A	Exhaust cover plate	1	
6	WJ2020500A	Double-variable filter fender	1	
7		Swing frame components	1	
8	WJ2020146A	Hinged drive shaft fender	1	

Bogie components



Serial No.	Code	Name	Quantity	Remark
1	WJ2020300A	Bogie welding	1	
2	5.002.20.090.3	Bolt	12	
3	5.017.00.020.0	Washer	12	
4	5.005.20.000.2	Nut	6	
5	5.016.20.000.3	Nut	6	Grade 10
6	WJ20204A	Pin	1	
7	5.020.00.000.3	Oil cup	1	
8	5.001.08.025.1	Bolt	2	
9	5.010.00.008.0	Washer	2	
10	WJ20209A	Clamp plate	1	

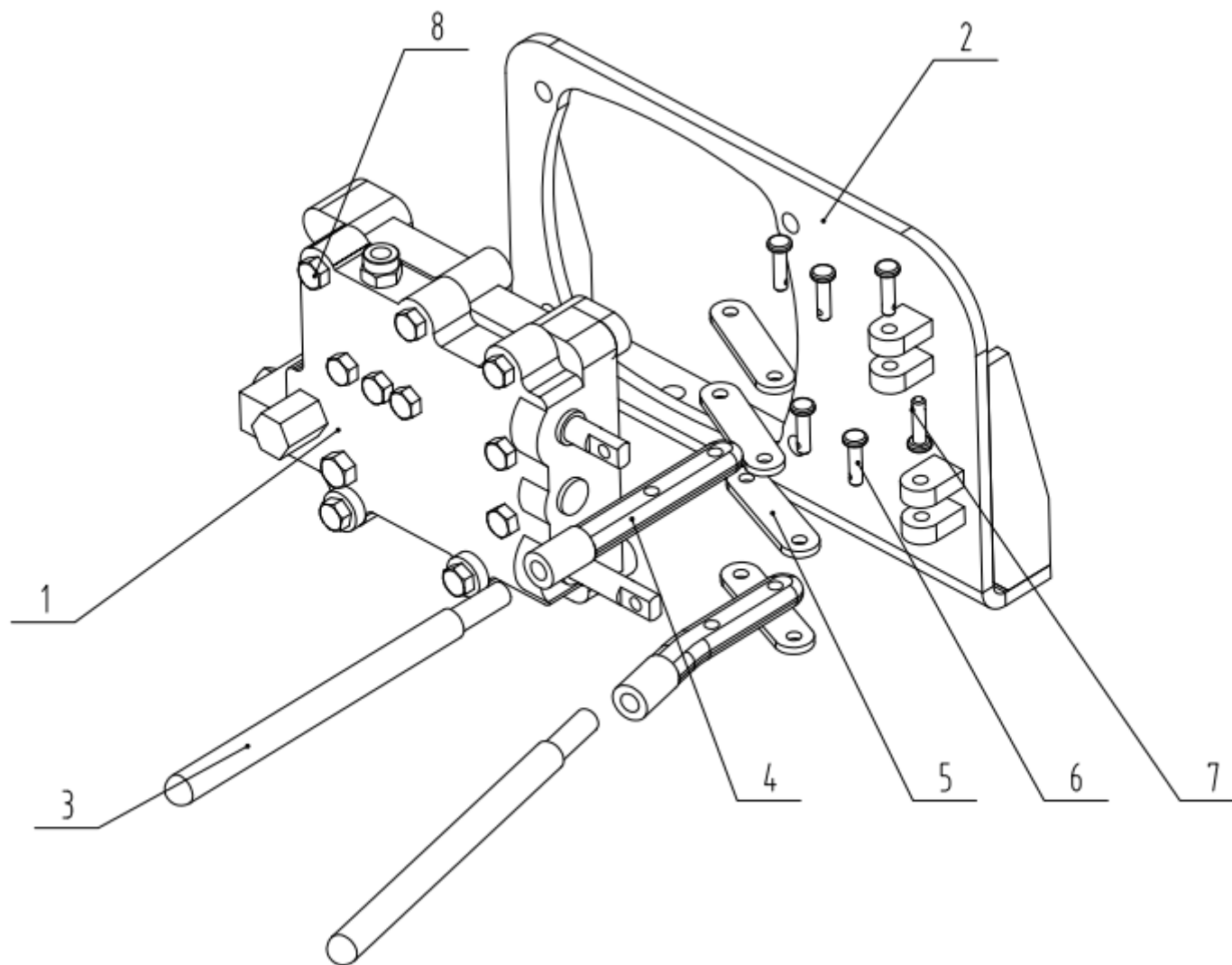
Swing frame part



Serial No.	Code	Name	Quantity	Remark
1	WJ2020400A	Swing frame welding	1	
2	5.003.27.320.3	Bolt	8	
3	5.017.00.030.0	Washer	8	
4	5.006.27.002.2	Nut	8	
5	5.016.27.002.3	Nut	8	
6	GB/T 68-2000	Slotted countersunk flat head screw M8×30	4	
7	WJ20218A	Semi-open oil-bearing copper sleeve (I)	1	One divided into two
8	WJ20216A	Rear end cover	1	
9	5.001.08.025.1	Bolt	4	
10	5.010.00.008.0	Washer	4	
11	WJ20215A	Rear bearing cap	1	
12	WJ20233A	Swing frame bolt 2	4	
13	5.017.00.024.0	Washer	4	
14	5.005.24.000.2	Nut	4	Grade 10
15	5.016.24.000.3	Nut	4	Grade 10
16	5.002.27.110.3	Bolt	8	Grade 12.9

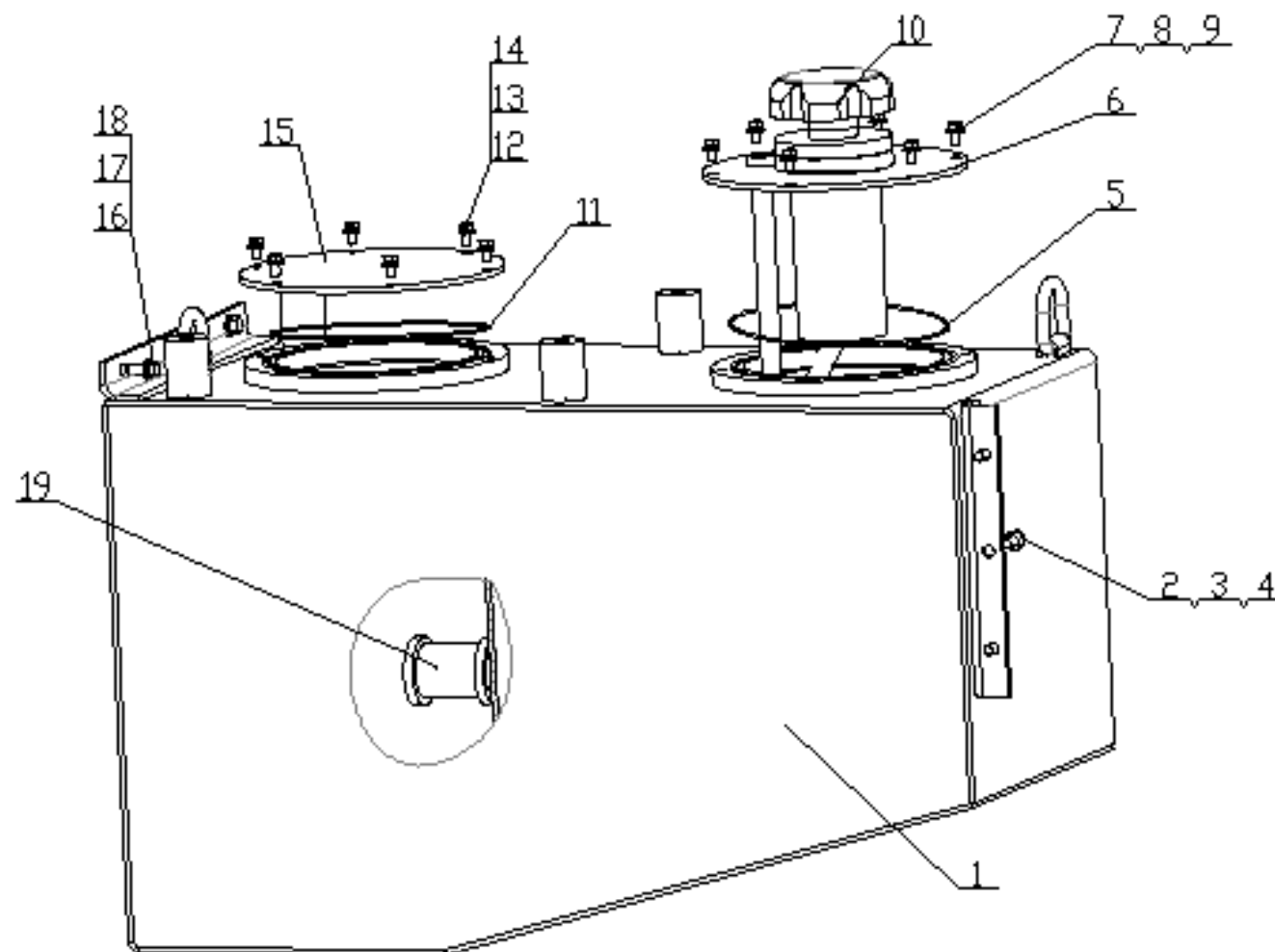
Serial No.	Code	Name Description	Quantity	Remark
17	5.017.00.030.0	Washer	8	
18	GB/T 6170-2000	Nut	4	
19	GB/T 889.1-2000	Nut	4	
20	WJ2020410	Fixed plate under axle	2	
21	WJ20214A	Front bearing cap	1	
22	5.016.24.000.3	Nut	4	
23	5.005.24.000.2	Nut	4	
24	5.017.00.024.0	Washer	4	
25	WJ20232A	Swing frame bolt 1	4	
26	5.001.08.025.1	Bolt	4	
27	5.010.00.008.0	Washer	4	
28	WJ20217A	Front end cover	1	
29	WJ20219A	Semi-open oil-bearing copper sleeve (II)	1	One divided into two
30	GB/T 68-2000	Slotted countersunk flat head screw M8×30	4	

Split shift part



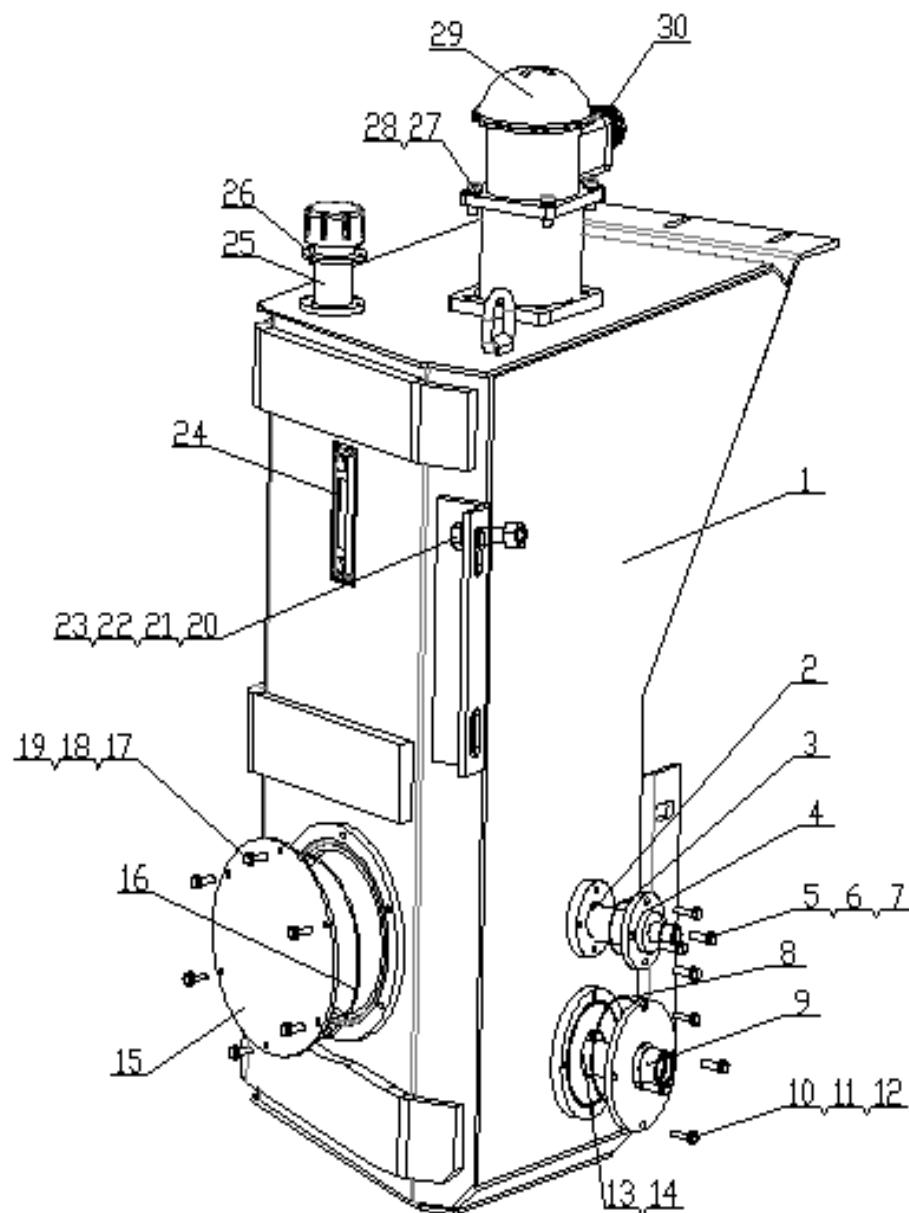
Serial No.	Code	Name		Quantity	Remark
1		Gear-shift valve		1	
2	WJ209030200E	Gear-shift valve mounting plate		1	
3	WJ2090301E	Shift lever		2	
4	WJ209030300E	Shift lever		2	
5	WJ2090303E	Shift connecting plate		4	
6	WJ2090302E	Shift pin shaft		6	
7	5.013.04.065.0	Split pin		6	
8	5.038.38.016.1	Bolt		4	

Diesel tank assembly



Serial No.	Code	Name	Quantity	Remark
1	WJ203050100A	Welding of diesel tank	1	
2	5.001.10.030.1	Bolt	3	
3	5.010.00.010.0	Washer	3	
4	5.017.00.010.0	Washer	3	
5	5.015.53.218.0	Sealing ring	1	
6	WJ203050200A	Welding of diesel tank Cover plate 1	1	
7	5.001.08.016.1	Bolt	6	
8	5.010.00.008.0	Washer	6	
9	5.017.00.008.0	Washer	6	
10	EF5-65	Filter	1	
11	5.015.53.218.0	Sealing ring	1	
12	5.001.08.016.1	Bolt	6	
13	5.010.00.008.0	Washer	6	
14	5.017.00.008.0	Washer	6	
15	WJ2030501A	Diesel tank Cover plate 2	1	
16	5.001.10.030.1	Bolt	3	
17	5.010.00.010.0	Washer	3	
18	5.017.00.010.0	Washer	3	
19	WU63-80	Filter	1	

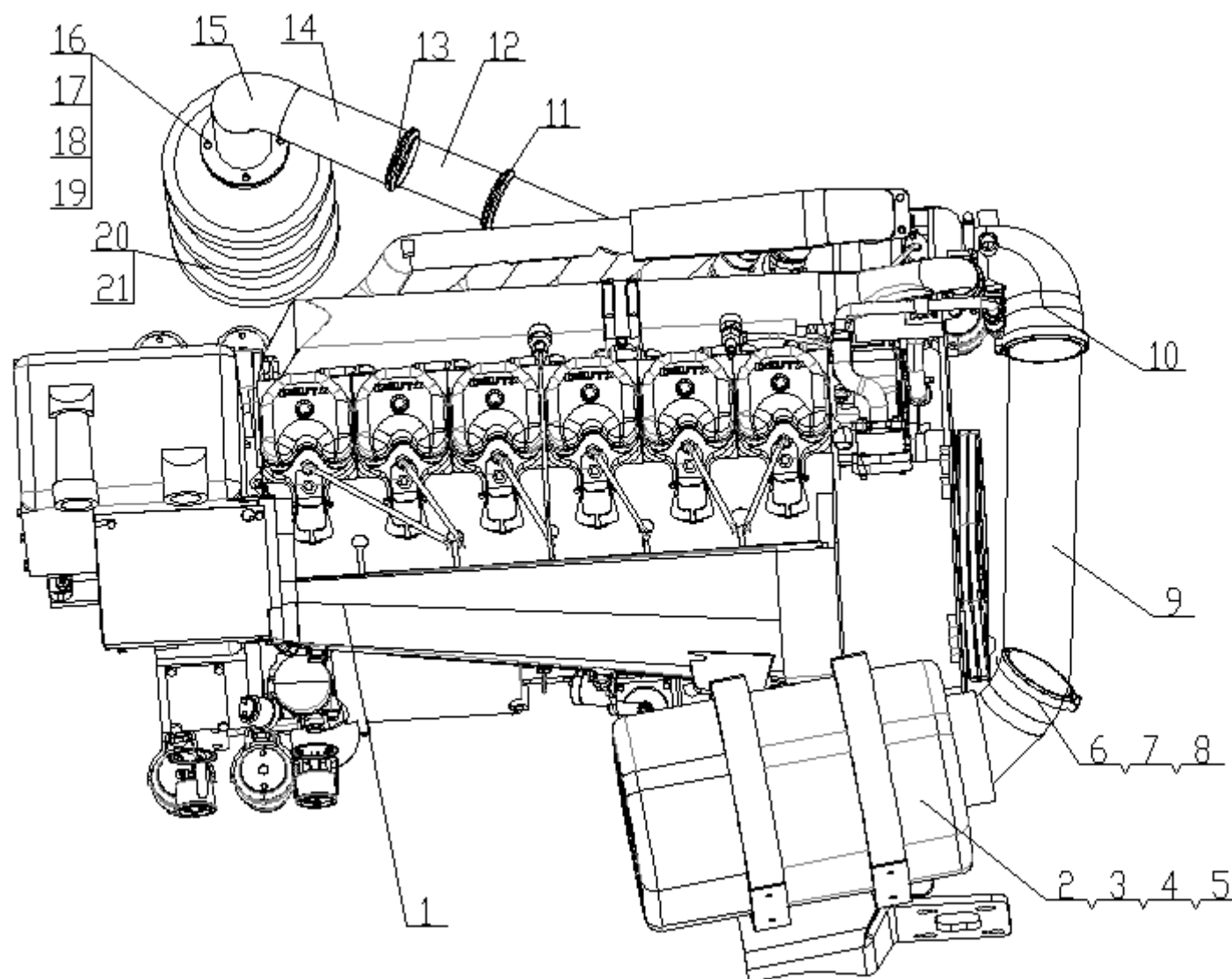
Hydraulic oil tank assembly



Serial No.	Code	Name	Quantity	Remark
1	WJ205050100A	Hydraulic oil tank welding	1	
2	WU-100×80J	Oil absorption filter	1	
3	5.015.27.056.0	Sealing ring	1	
4	WJ205050200A	Braking oil absorption joint welding	1	
5	5.001.08.030.1	Hexagon Bolt	4	
6	5.010.00.008.0	Washer	4	
7	5.017.00.008.0	Washer	4	
8	5.015.27.128.0	Sealing ring	1	
9	WJ205050300A	Working oil absorption joint welding	1	
10	5.001.08.030.1	Hexagon Bolt	4	
11	5.010.00.008.0	Washer	4	
12	5.017.00.008.0	Washer	4	
13	WU-400×80F-J	Oil absorption filter	1	
14	WJ2050502A	Filter element mounting flange	1	
15	WJ2050501A	Flange cover plate	1	
16	5.015.53.218.0	Sealing ring	1	
17	5.001.08.025.1	Bolt	6	
18	5.010.00.008.0	Washer	6	
19	5.017.00.008.0	Washer	6	
20	5.001.20.060.1	Bolt	4	
21	5.010.00.020.0	Washer	4	
22	5.017.00.020.0	Washer	4	
23	5.005.20.000.1	Nut	4	
24	YWZ-127T	Liquid level gauge	1	
25	QUQ2-10×1.0	Air filter	1	
26	GB/T818	Cross pan head screw M4×8	6	
27	5.001.12.030.1	Bolt	4	

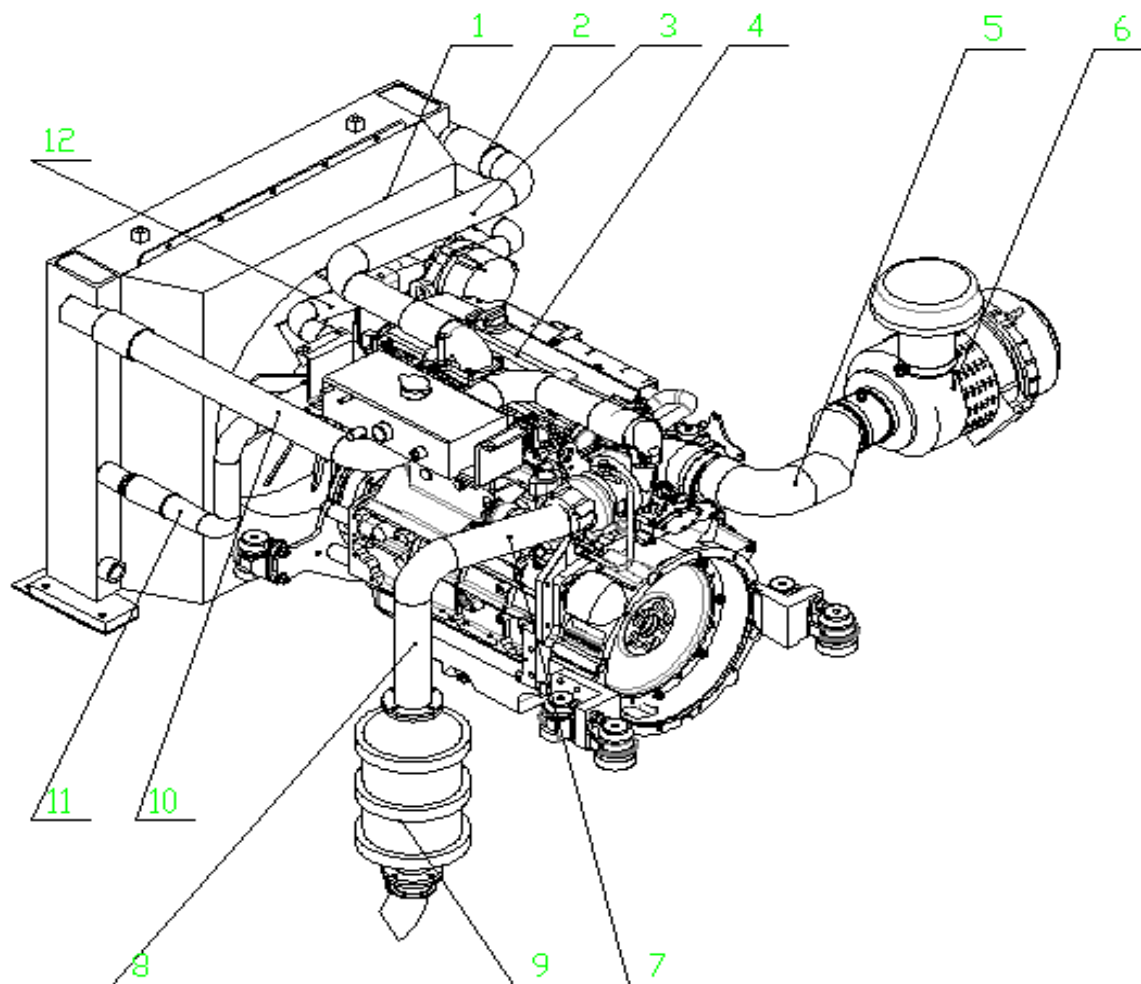
28	5.010.00.012.0	Washer		4	
29	RFA-400×30F-Y	Oil-return filter		1	
30	WJ205050400A	Tower type joint welding		1	

Engine device



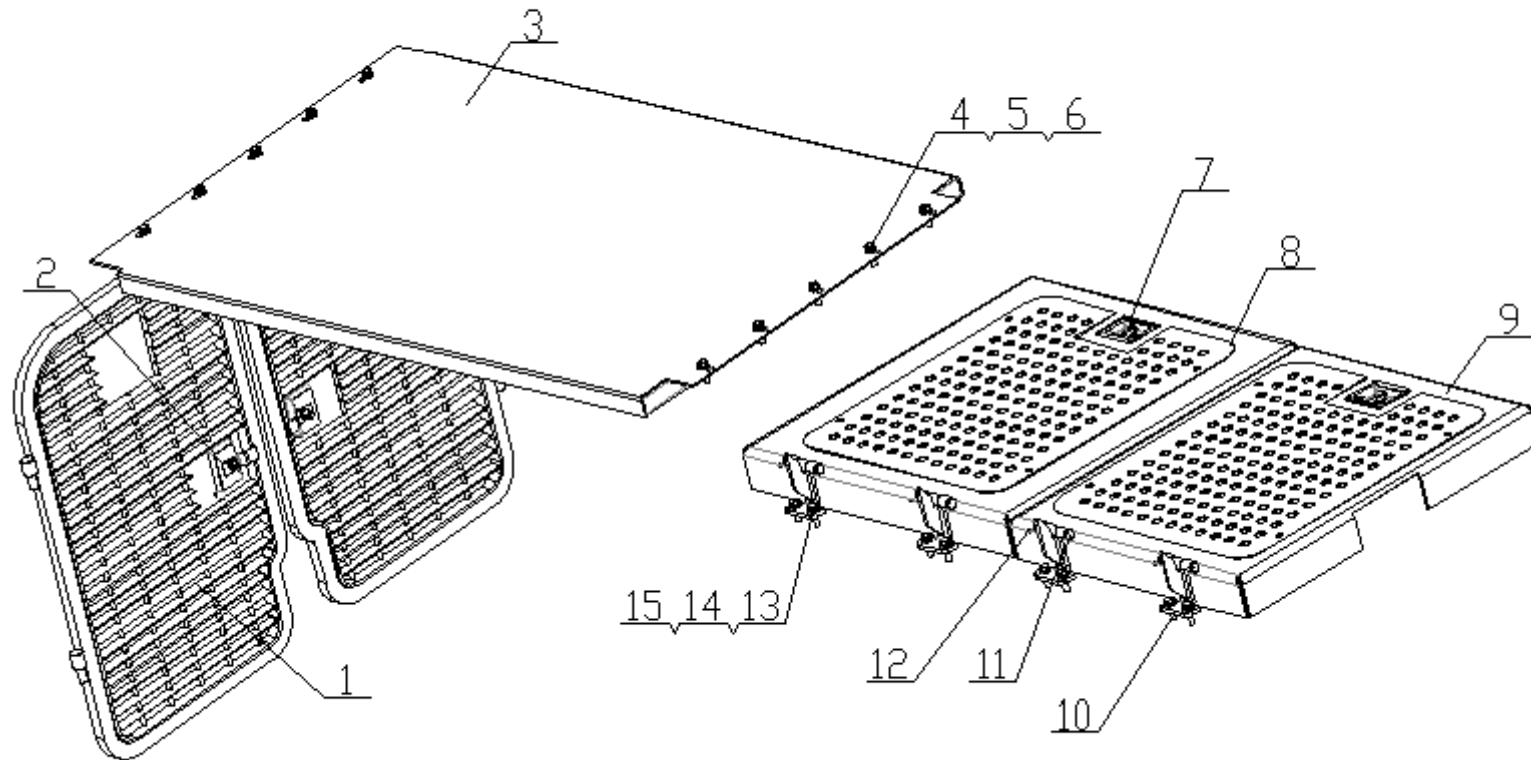
Serial No.	Code	Name	Quantity	Remark
1	F6L914	Engine	1	
2		Air filter	1	
3	5.001.12.030.1	Bolt	4	
4	5.010.00.012.0	Washer	4	
5	5.017.00.012.0	Washer	4	
6		Variable diameter Silicon bent rubber tube	1	
7	JB/T8870-1999	T-shaped clamp 170	1	
8	JB/T8870-1999	T-shaped clamp 109	1	
9	B80-2.5-304-OE	Stainless steel pipe $\phi 80 \times 2.5$	1	
10		Variable diameter Silicon bent rubber tube	1	
11	ISO02852	3#Sanitary stainless steel clamp	2	
12	WJ203020200A	Bellows combination	1	
13		Asbestos washer	1	
14		Exhaust pipe	1	
15		$\Phi 76$ bend	2	
16	5.001.08.030.1	Bolt	8	
17	5.010.00.008.0	Washer	8	
18	5.017.00.008.0	Washer	8	
19	5.005.08.000.1	Nut	8	
20	MF-TR24-DR01	Exhaust purifier	1	
21	WJ2050100A	Exhaust pipe I	1	

BF4M1013 Engine device



Serial No.	Code	Name	Quantity	Remark
1		Radiator	1	
2		Silicone tube	4	
3		Air cooler intake pipe	1	
4	BF4M1013EC	Engine	1	
5		Air filter pipe	1	
6	BF4M1013EC	Air filter	1	
7		Bellows assembly	1	
8	MF-TR24-DR02	Exhaust purifier	1	
9	WJ2050100B	Exhaust pipe	1	
10		Air cooler outlet pipe	1	
11		Water pump inlet pipe	1	
12		Water pump return pipe	1	

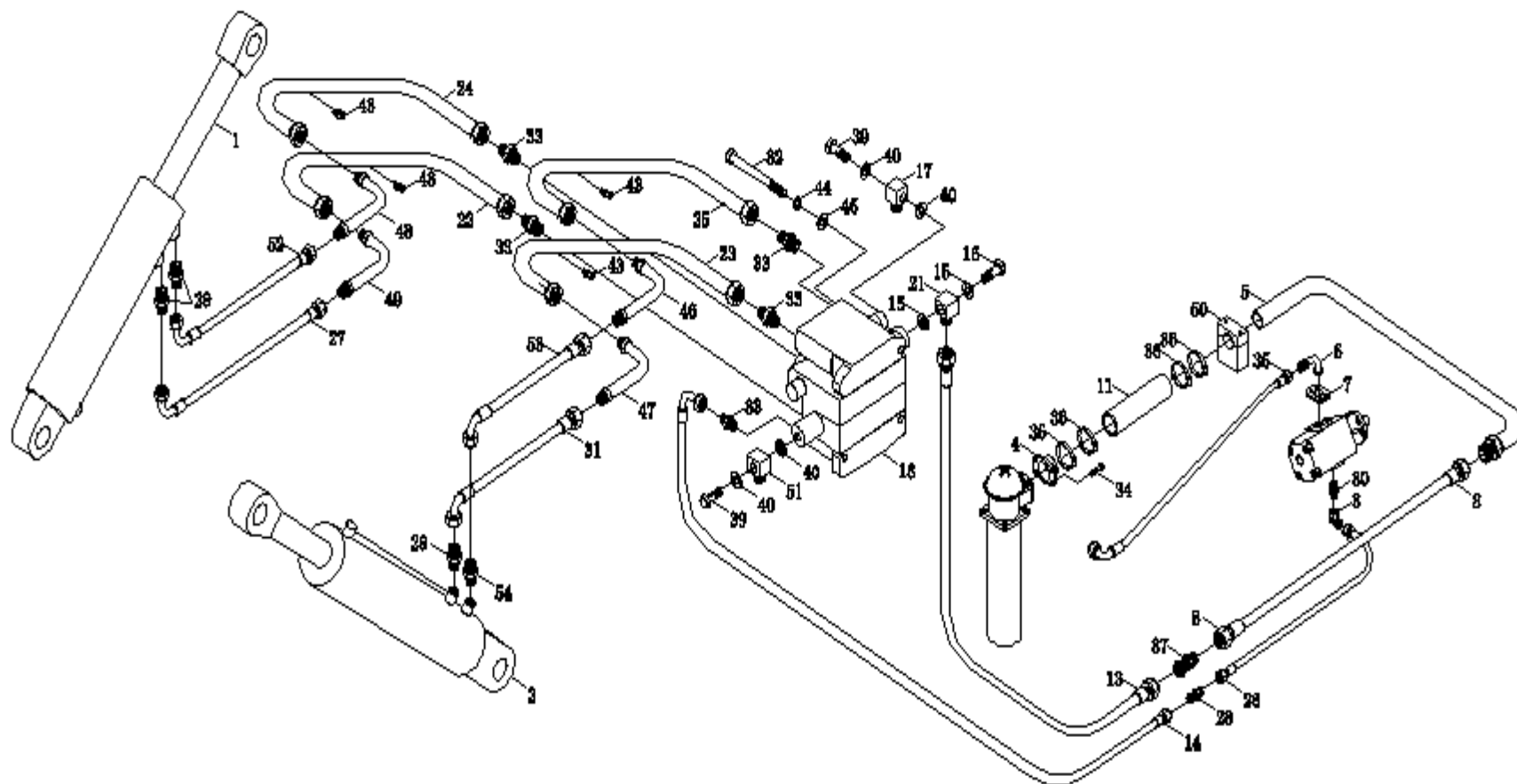
Engine body cover plate assembly



Serial	Code	Name	Quantity	Remark
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No.					
1	WJ200300A	Rear guard door assembly		1	
2		SHS10800M box lock		1	
3	WJ20202006A	Engine cover plate assembly		1	
4	5.001.10.035.1	Bolt		10	
5	5.010.00.010.0	Washer		10	
6	5.017.00.010.0	Washer		10	
7		SHS10800M box lock		2	
8	WJ20202005A	Cover plate 1 component		1	
9	WJ20202001A	Cover plate 2 component		1	
10	WJ2011A	Hinge assembly		4	
11	WJ20202004A	Cover plate hinge		4	
12	5.013.32.025.0	Split pin		4	
13	5.001.10.035.1	Bolt		8	
14	5.010.00.010.0	Washer		8	
15	5.017.00.010.0	Washer		8	

WJ2050100 hydraulic system of working device

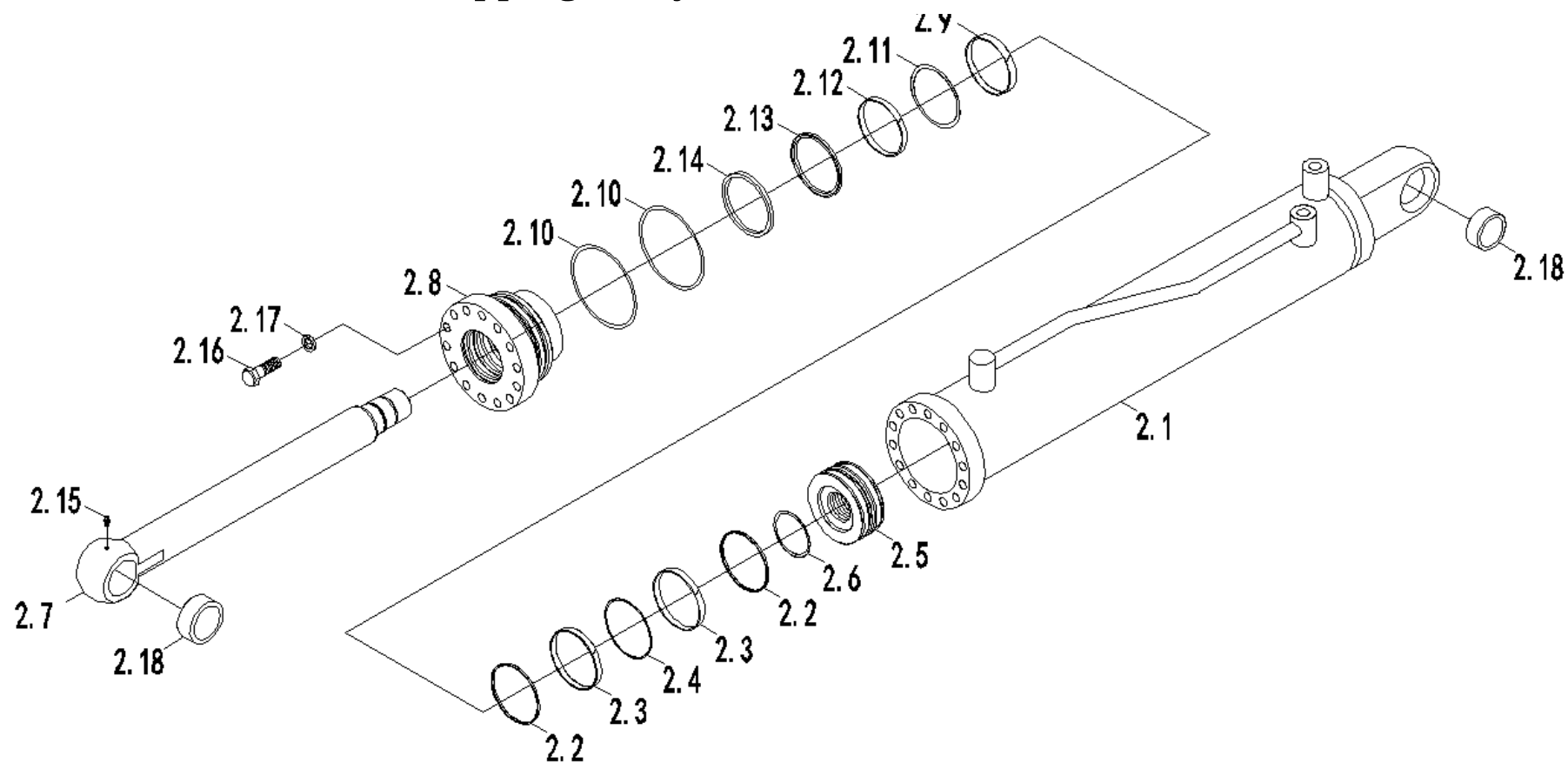


Serial No.	Code	Name	Quantity
1	WJ205011000	Lifting cylinder	1
2	WJ205010900	Cylinder	1
3	WJ2050111	Combination angle joint	1
4	WJ205010100	Joint assembly	1
5	WJ205010200	Oil filter inlet pipe assembly	1
6	WJ2050112	Flanged elbow	1
7	WJ2050113	Flange components	1
8	JB1887-77	Hose assembly 38I-2000C end of 90 degrees	1
11	WJ2050199	Fabric hose $\phi 51 \times 350$	1
12	WJ205010400	Fuel tank	1
13	JB1887-77	Hose assembly 38I-1400C	1
14	JB1887-77	Hose assembly 25 II-1500C end of 90 degrees	1
15	JB982-77	Combined gasket 33	3
16	WJ2050102	Bolt	1
17	WJ2050103	Joint 1	1
18	WJ205011700	Working valve	1
21	WJ2050105B	Joint 3	1
22	WJ205010500	Steel pipe assembly	1

23	WJ205010600	Steel pipe assembly		1
24	WJ205010700	Steel pipe assembly		1
25	WJ205010800	Steel pipe assembly		1
26	JB1887-77	Hose assembly 25 II-1500		1
27	JB1887-77	Hose assembly 25 II-1530C end of 90 degrees		1
28	WJ2050115	Transition Joint		1
29	WJ2050116	Straight joint		3
30	WJ2050110	Straight joint		1
31	JB1887-77	Hose assembly 25 II-1820C end of 90 degrees		1
32	GB5782-86	Bolt M12*120-8.8		3
33	XYWJ2050117	Straight joint		5
34	GB5783-87	Bolt M10*35		4
35	JB1887-77	Hose assembly 38I-1025 end of 90 degrees		1
36	WJ2050198B	Hose clamp		3
37	WJ2050118	Transition Joint		1
39	WJ2050108	Bolt		2
40	JB982-77	Combined gasket 42		4
42	WJ2050197B	Pressure joint PPT-3		4
43	GB6170-86	Nut M12		3
44	GB93-87	Spring washer 12		8

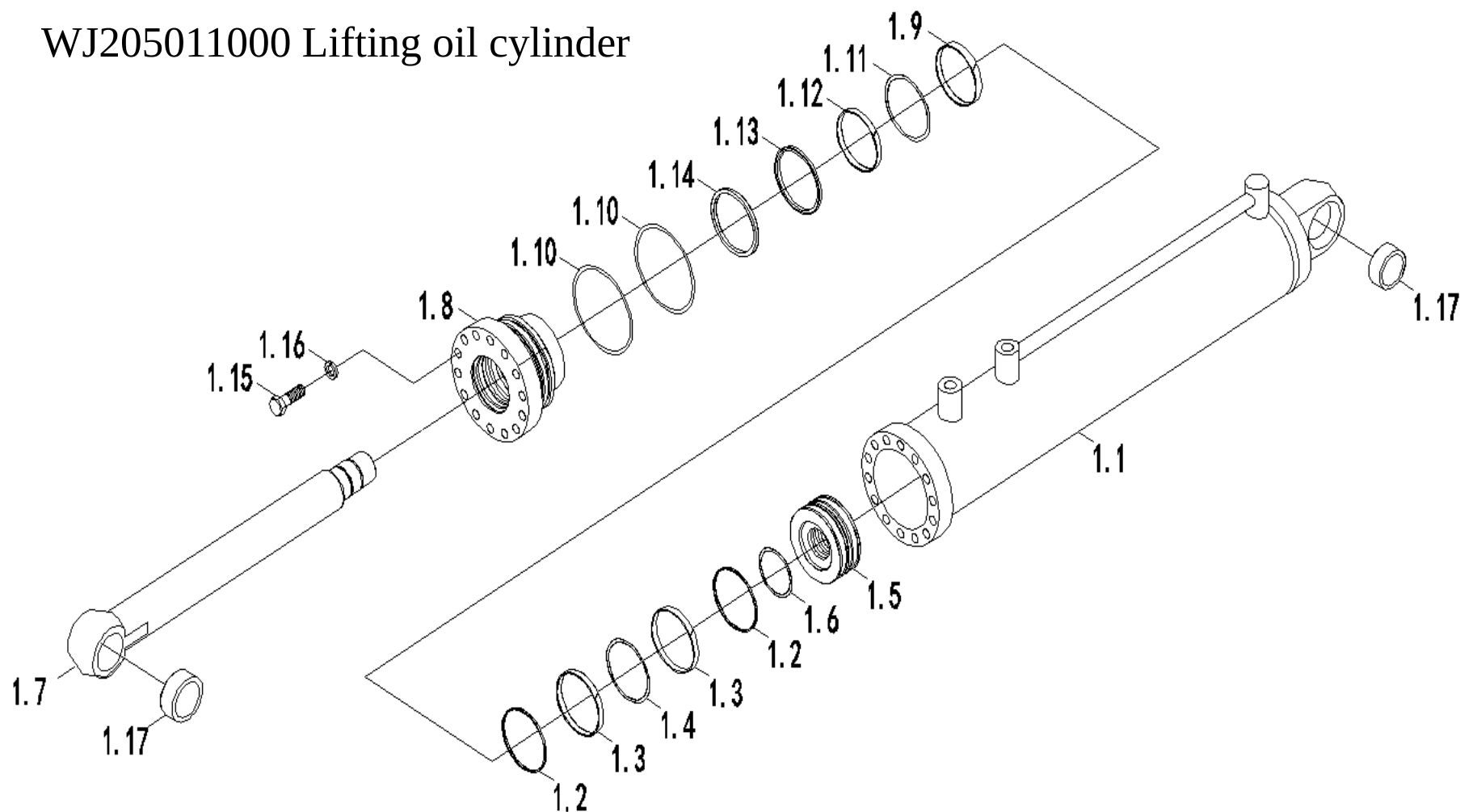
45	GB97.1-85	Washer 12		8
46	WJ205011100	Steel pipe assembly 1		1
47	WJ205011200	Steel pipe assembly 2		1
48	WJ205011300	Steel pipe assembly 3		1
49	WJ205011400	Steel pipe assembly 4		1
50	WJ205011500	Pipe clamp		1
51	WJ2050109	Joint 4		1
52	JB1887-77	Hose assembly 25 II-1450 end of 90 degrees		1
53	JB1887-77	Hose assembly 25 II-1590C		1
54	WJ2050119	Right angle joint		1

WJ205010900 Tipping oil cylinder



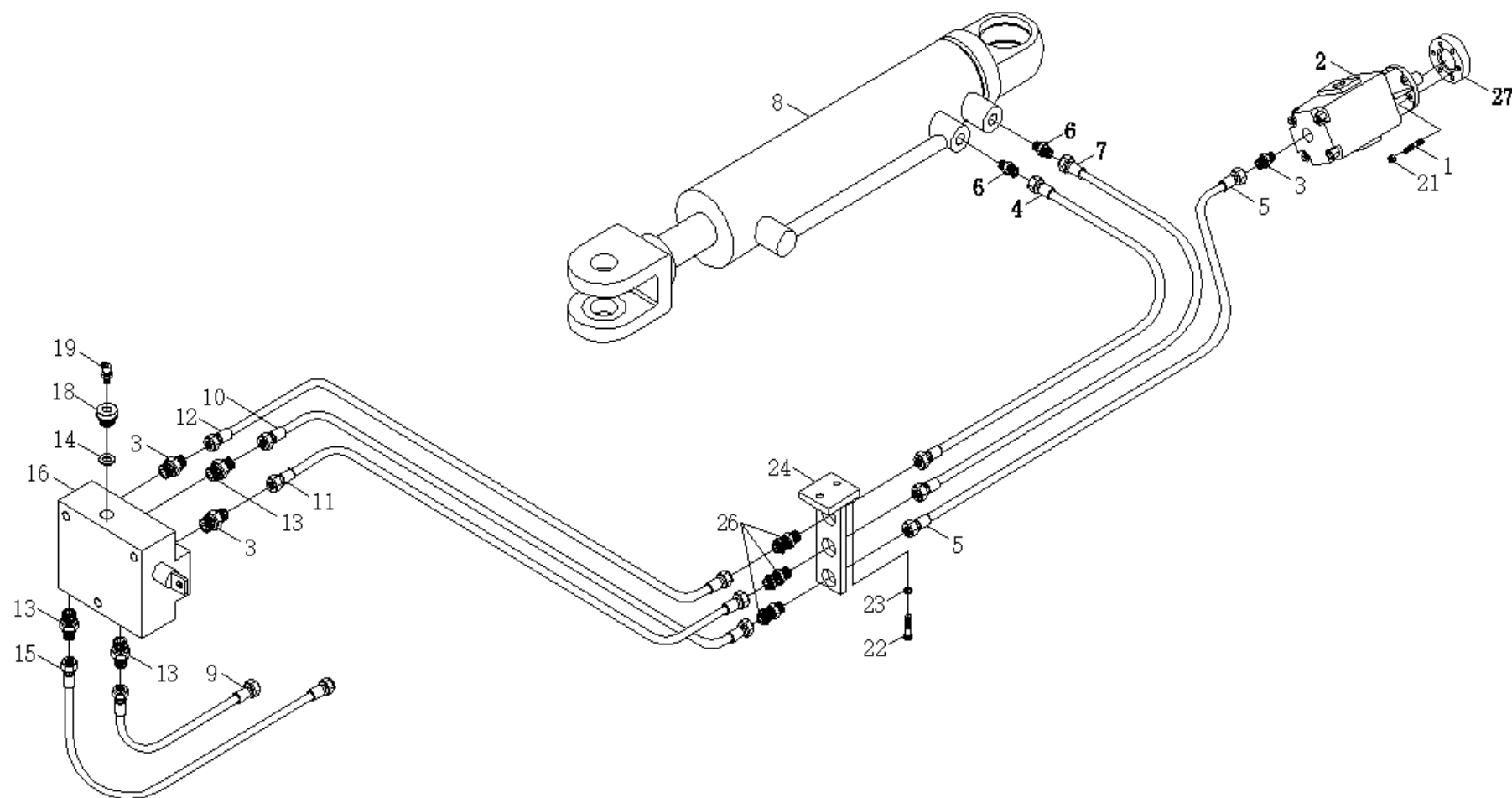
Serial No.	Code	Name	Quantity	Remark
2.1	WJ205010901	Cylinder body	1	
2.2	WJ205010902	Dirt ring 180x172x6.2	2	
2.3	WJ205010903	Support Ring 180x175x15	2	
2.4	WJ205010904	Glyd rin 180x159x8.1	1	
2.5	WJ205010905	Piston	1	
2.6	GB3452.1	O-ring 90x3.55	1	
2.7	WJ205010906	Piston rod	1	
2.8	WJ205010907	Guide sleeve	1	
2.9	WJ205010908	Support Ring 90x95x25	1	
2.10	GB3452.1	O-ring 170x5.3	2	
2.11	WJ205010909	Step seal 90x105x6.3	1	
2.12	WJ205010910	Support Ring 90x95x15	1	
2.13	WJ205010911	U-ring 90x105x12.5	1	
2.14	WJ205010912	Dustproof ring 90x100/95x7	1	
2.15	JB/T 7940.1	Oil cup M10x1	1	
2.16	GB/T 5782	Bolt M16x50	14	
2.17	GB/T93	Washer 16	14	
2.18	WJ205010913	Bush	2	

WJ205011000 Lifting oil cylinder



Serial No.	Code	Name	Quantity	Remark
1.1	WJ205011001	Cylinder body	1	
1.2	WJ205010902	Dirt ring 180x172x6.2	2	
1.3	WJ205010903	Support Ring 180x175x15	2	
1.4	WJ205010904	Glyd rin 180x159x8.1	1	
1.5	WJ205010905	Piston	1	
1.6	GB3452.1	O-ring 90x3.55	1	
1.7	WJ205011002	Piston rod	1	
1.8	WJ205010907	Guide sleeve	1	
1.9	WJ205010908	Support Ring 90x95x25	1	
1.10	GB3452.1	O-ring 170x5.3	2	
1.11	WJ205010909	Step seal 90x105x6.3	1	
1.12	WJ205010910	Support Ring 90x95x15	1	
1.13	WJ205010911	U-ring 90x105x12.5	1	
1.14	WJ205010912	Dustproof ring 90x100/95x7	1	
1.15	GB/T 5782	Bolt M16x50	14	
1.16	GB/T93	Washer 16	14	
1.17	WJ205011003	Bush	2	

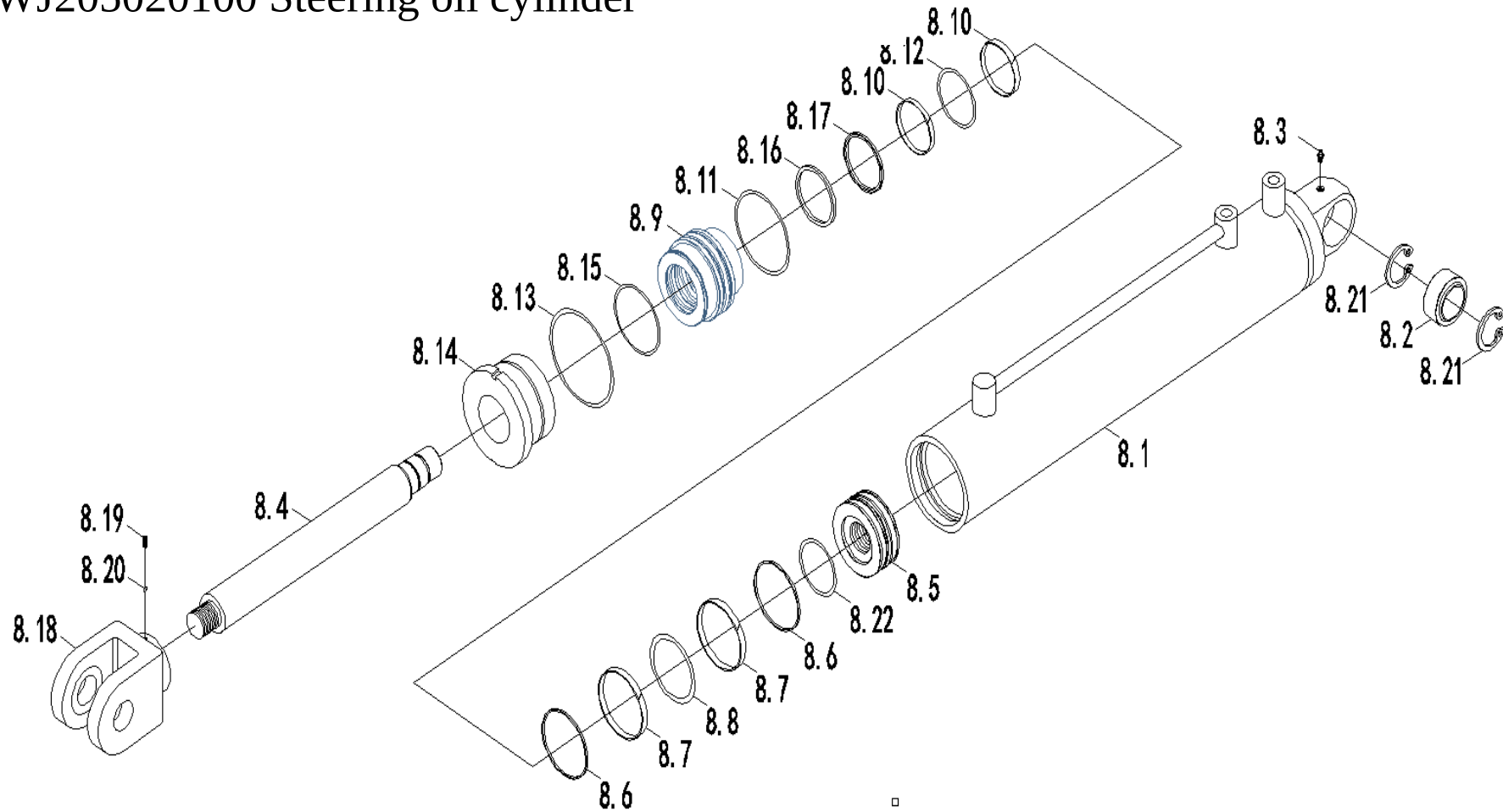
WJ2050200 Hydraulic steering system



Serial No.	Code	Name	Quantity	Remark
1	WJ2050201	Two-head bolts 3/8-16UNF	6	
2	WJ205020300	Working pump	1	
3	WJ2050202	Straight-through joint 1,1/16-12--M27×1.5	3	
4	JB1887-77	Hose assembly 16 II-1600C	1	
5	JB1887-77	Hose assembly 16 II -1350 is 90 DEG	1	
6	WJ2050203	Straight-through joint G3/4--M27×1.5	2	
7	JB1887-77	Hose assembly 16 II-1700C	1	
8	WJ205020100	Steering cylind	1	
9	JB1887-77	Hose assembly 16 1 -450C ends 90 degrees clockwise	1	
10	JB1887-77	Hose assembly 16 II-700C	1	
11	JB1887-77	Hose assembly 16 II-610C	1	
12	JB1887-77	Hose assembly 16 II-710C	1	
13	WJ2050204	Straight-through joint 1,5/16-12--M27×1.5	3	
14	JB982-77	Combination pad 33	1	
15	JB1887-77	Hose assembly 16 II -350C is 90 DEG	1	
16	WJ205020400	Diversion valve	1	
17	WJ2050205	Joint 1,5/16-12	1	
18	WJ205020500	Pressure Measuring joint	1	

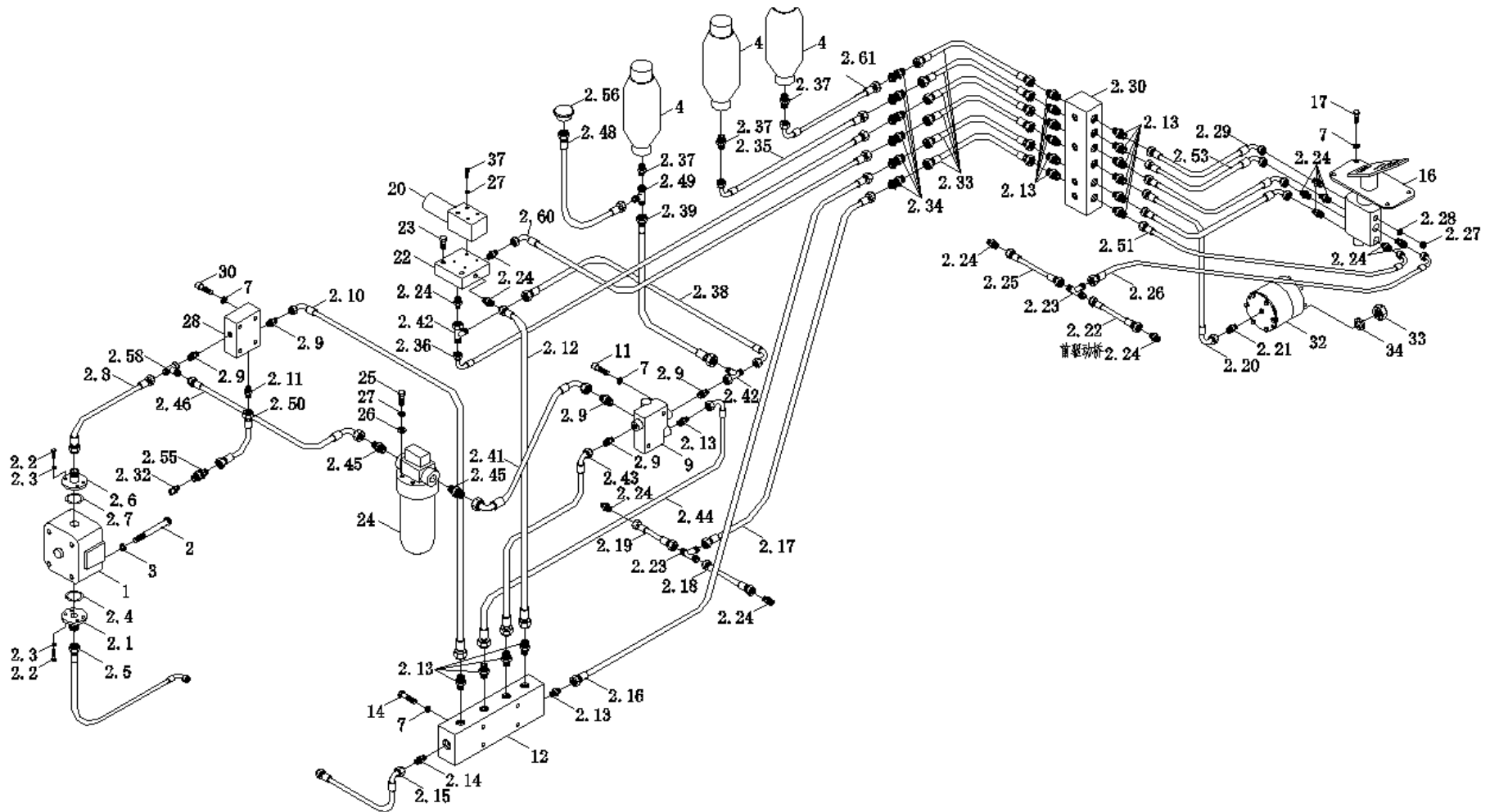
19	GB6176-86	Nut M10*1		6	
20	GB5783-86	Bolt M12*25		2	
21	GB93-86	Washer 12		2	
22	WJ205020200	Transfer board		1	
23	WJ2050206	Baseplate		1	
24	WJ2050207	Joint		3	
25	WJ2050208	Transitional disk		1	

WJ205020100 Steering oil cylinder



Serial No.	Code	Name	Quantity	Remark
8.1	WJ205020101	Cylinder body	1	
8.2	GB/T9163	Joint bearing	1	
8.3	JB/T7940.1	Oil cup M10*1	1	
8.4	WJ205020102	Piston rod	1	
8.5	WJ205020103	Piston	1	
8.6	WJ205020104	Dirt ring 150*142*6.2	2	
8.7	WJ205020105	150*145*15	2	
8.8	WJ205020106	Glyd rin	1	
8.9	WJ205020107	Guide sleeve	1	
8.10	WJ205020108	Support Ring 75*80*15	2	
8.11	GB/T3452.1	O-ring 140*5.3	1	
8.12	WJ205020109	Step seal 75*90.1*6.3	1	
8.13	GB/T3452.1	O-ring 155*3.55	1	
8.14	WJ205020110	Retaining ring	1	
8.15	GB/T3452.1	O-ring 118*3.55	1	
8.16	WJ205020111	Dustproof ring 5*85/80*7	1	
8.17	WJ205020112	U-ring 75*90*10	1	
8.18	WJ205020113	Fork joint	1	
8.19	GB/T77	Screw M12*16	1	
8.20	GB/T308	Steel ball 5	1	
8.21	GB/T893.1	Spring lock ring 75	2	
8.22	GB/T3452.1	O-ring 75*3.55	1	

WJ2050300 Brake hydraulic system



Serial No.	Code	Name		Quantity
1	WJ205030100	Brake pump		1
2	WJ2050399	Bolt M10*100-8.8		2
3	GB93-87	Spring washer 10		4
4	WJ205030200	Accumulator		3
7	GB93-87	Spring washer 8		14
9	WJ205030300	Filling valve		1
10	WJ2050326	Filling valve plate		1
11	GB70-85	Screw M8*70		2
12	WJ2050319	Confluence block		1
14	GB5782-86	Bolt M8*40		4
16	WJ205030400	Foot brake valve		1
17	GB5783-86	Bolt M8*35-8.8		4
18	WJ2050398	Cable ties		10
20	WJ205030500	Electromagnetic valve		1
21	WJ2050321	Baseplate		1
22	WJ2050322	Electromagnetic valve plate		1
23	GB5783-86	Bolt M12*40-8.8		2
24	WJ205030600	High pressure filter		1
25	GB5782-86	Bolt M6×90		2

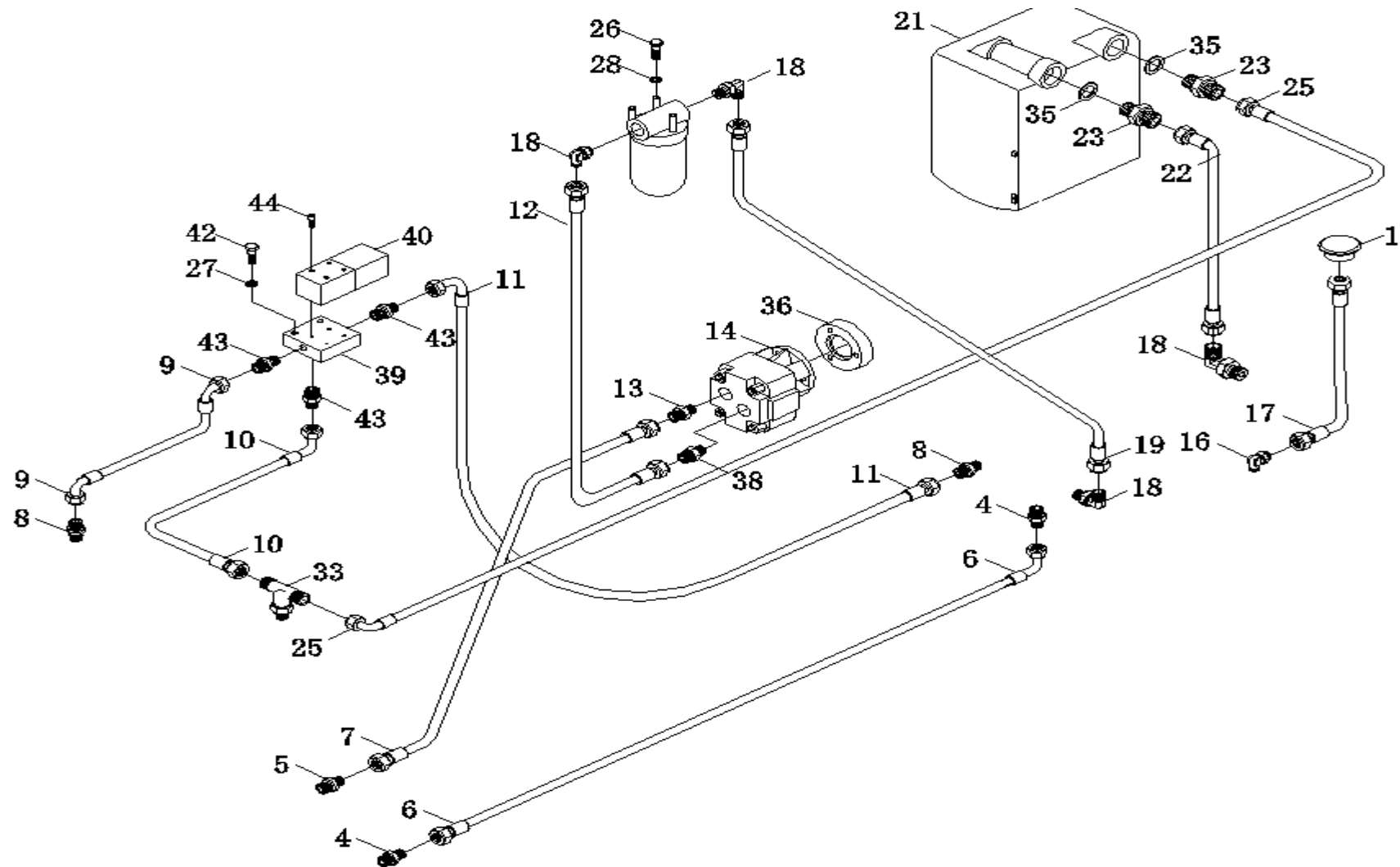
26	WJ2050323	Spacer sleeve		2
27	GB93-87	Spring washer 6		6
28	DBDH	Relief valve		1
30	GB70-85	Screw M8*80-10.9		4
32	WJ205030700	Parking brake		1
33	WJ2050324	Nut 3/4-10		2
34	GB93-87	Spring washer 20		2
35	GB6170-86	Nut M12*1.5		1
36	WJ2050325	Brake pump gear		1
37	GB70-85	Screw M6*60-8.8		4
2.1	WJ2050301	Pump inlet joint		1
2.2	GB5783-85	Bolt M6×20		8
2.3	GB5783-85	Washer 6		8
2.4	GB3452.1-82	O-ring 25*1.8		1
2.5	JB1887-77	Hose assembly 16 I-2400C two ends 90 degrees		1
2.6	WJ2050302	Pump outlet joint		1
2.7	GB3452.1-82	O-ring 22.4*1.8		1
2.8	JB1887-77	Hose assembly 10 I-1050C		1
2.9	WJ2050303	Straight joint		4
2.10	JB1887-77	Hose assembly 10 I-600C end of 90 degrees		1

2.11	WJ2050304	Pressure joint		1
2.12	JB1887-77	Hose assembly 10 I-450C end of 90 degrees		1
2.13	WJ2050305	Straight joint		17
2.14	WJ2050306	Straight joint		1
2.15	JB1887-77	Hose assembly 13 I-500C		1
2.16	JB1887-77	Hose assembly 10 I-1150C		1
2.17	JB1887-77	Hose assembly 10 I-950C		1
2.18	JB1887-77	Hose assembly 10 I-500C end of 90 degrees		1
2.19	JB1887-77	Hose assembly 10 I-430C end of 90 degrees		1
2.20	JB1887-77	Hose assembly 10 I-1200C end of 90 degrees		1
2.21	WJ2050307	Straight joint		1
2.22	JB1887-77	Hose assembly 10 I-200C		1
2.23	WJ2050308	Three pass joint		2
2.24	WJ2050309	Straight joint		14
2.25	JB1887-77	Hose assembly 10 I-650C		1
2.26	JB1887-77	Hose assembly 10 I-1200C end of 90 degrees		1
2.27	JB/ZQ4444-97	Screw plug M10×1		1
2.28	JB982-77	Seal Ring 10		1
2.29	JB1887-77	Hose assembly 10 I-750C end of 90 degrees		1
2.30	WJ2050310	Transfer block		1

2.32	WJ2050397	Pressure joint PPT-3		4
2.33	JB1887-77	Hose assembly 10 I-470C end of 90 degrees		6
2.34	WJ2050312	Bulkhead joint		6
2.35	JB1887-77	Hose assembly 10 I-2500C two ends 90 degrees		1
2.36	JB1887-77	Hose assembly 10 I-1500C two ends 90 degrees		1
2.37	WJ2050313	Accumulator joint		3
2.38	JB1887-77	Hose assembly 10 I-300C two ends 90 degrees		1
2.39	JB1887-77	Hose assembly 10 I-1200C two ends 90 degrees		1
2.41	JB1887-77	Hose assembly 10 I-1200C two ends 90 degrees clockwise		1
2.42	WJ2050314	Three pass joint		2
2.43	JB1887-77	Hose assembly 10 I-370C end of 90 degrees		1
2.44	JB1887-77	Hose assembly 10 I-360C end of 90 degrees		1
2.45	WJ2050315	Straight joint		2
2.46	JB1887-77	Hose assembly 10 I-300C end of 90 degrees		1
2.48	JB1887-77	Hose assembly 6 I-3100C end of 90 degrees		1
2.49	WJ2050317	Three pass joint		1
2.50	JB1887-77	Hose assembly 6 I-500C end of 90 degrees		1
2.51	JB1887-77	Hose assembly 10 I-580C		1
2.52	JB1887-77	Hose assembly 10 I-930C end of 90 degrees		1

2.53	JB1887-77	Hose assembly 10 I-910C end of 90 degrees		1
2.54	JB1887-77	Hose assembly 10 I-910C end of 90 degrees		1
2.55	WJ2050318	Pressure joint Seat		1
2.56	WJ205030800	Brake pressure gauge 0~25Mp		1
2.58	WJ2050328	Three pass joint		1
2.59	WJ2050329	Straight joint		2
2.60	JB1887-77	Hose assembly 10 I-1350C end of 90 degrees		1
2.61	JB1887-77	Hose assembly 10 I-2300C end of 90 degrees		1

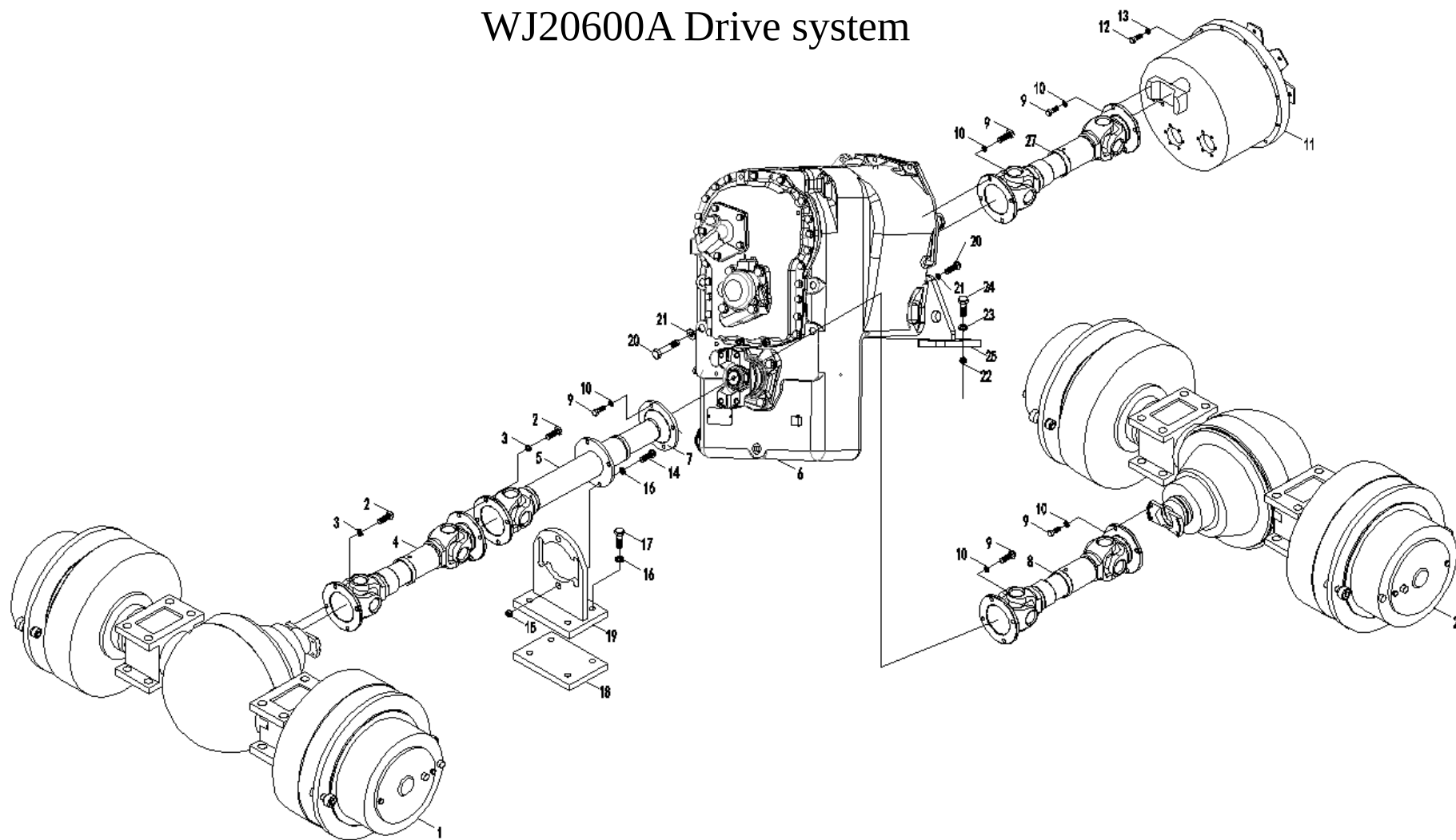
WJ2050400 Variable speed and oil make-up hydraulic system



Serial No.	Code	Name	Quantity	Remark
1	WJ2050114	Pressure gauge	1	
4	WJ2050116	Straight joint	1	
5	WJ2050117	Right angle joint	1	
6	JB1887-77	Hose assembly 25 -1500C end of 90 degrees	2	
7	JB1887-77	Hose assembly 5 I-650C	1	
8	WJ2050403	Straight joint	1	
9	JB1887-77	Hose assembly 13 -280 two terminal 90 degrees	1	
10	JB1887-77	Hose assembly 13 I-750 end of 90 degrees	1	
11	JB1887-77	Hose assembly 13 I-700 end of 90 degrees	1	
12	JB1887-77	Hose assembly 19 I-1200C two ends 90 degrees clockwise	1	
13	WJ2050404	Straight joint	1	
14	WJ205040100	Fill oil pump	1	
16	WJ2010105	Right angle joint	1	
17	JB1887-77	Hose assembly 6I-1650 2-90 DEG clockwise 1-A	1	
18	WJ2050406	Right angle joint	3	
19	JB1887-77	Hose assembly 19 I-600C	1	
21	WJ205040200	Radiator	1	
22	JB1887-77	Hose assembly 19 I-1170C two terminal 90 degrees	1	

23	WJ2050407	Cooler joint		2	
24	WJ205040300	Oil filter		1	
25	JB1887-77	Hose assembly 19 I-2200C two terminal 90 degrees		1	
26	GB5783-86	Bolt M12*30		3	
27	GB93-87	Washer 12		3	
28	GB93-87	Washer 10		3	
33	WJ2050408	Three pass joint		1	
35	JB982-77	Combined gasket 42		2	
36	WJ2050409	Transitional disk		1	
38	WJ2050411	Right angle joint		1	
39	WJ2050412	Electromagnetic valve plate		1	
40	WJ205040400	Electromagnetic valve plate		1	
41	WJ2050321	Baseplate		1	
42	GB5783-86	Bolt M12*40-8.8		2	
43	WJ2050413	Pipe joint		3	
44	GB70-85	Bolt M6*60-8.8		4	

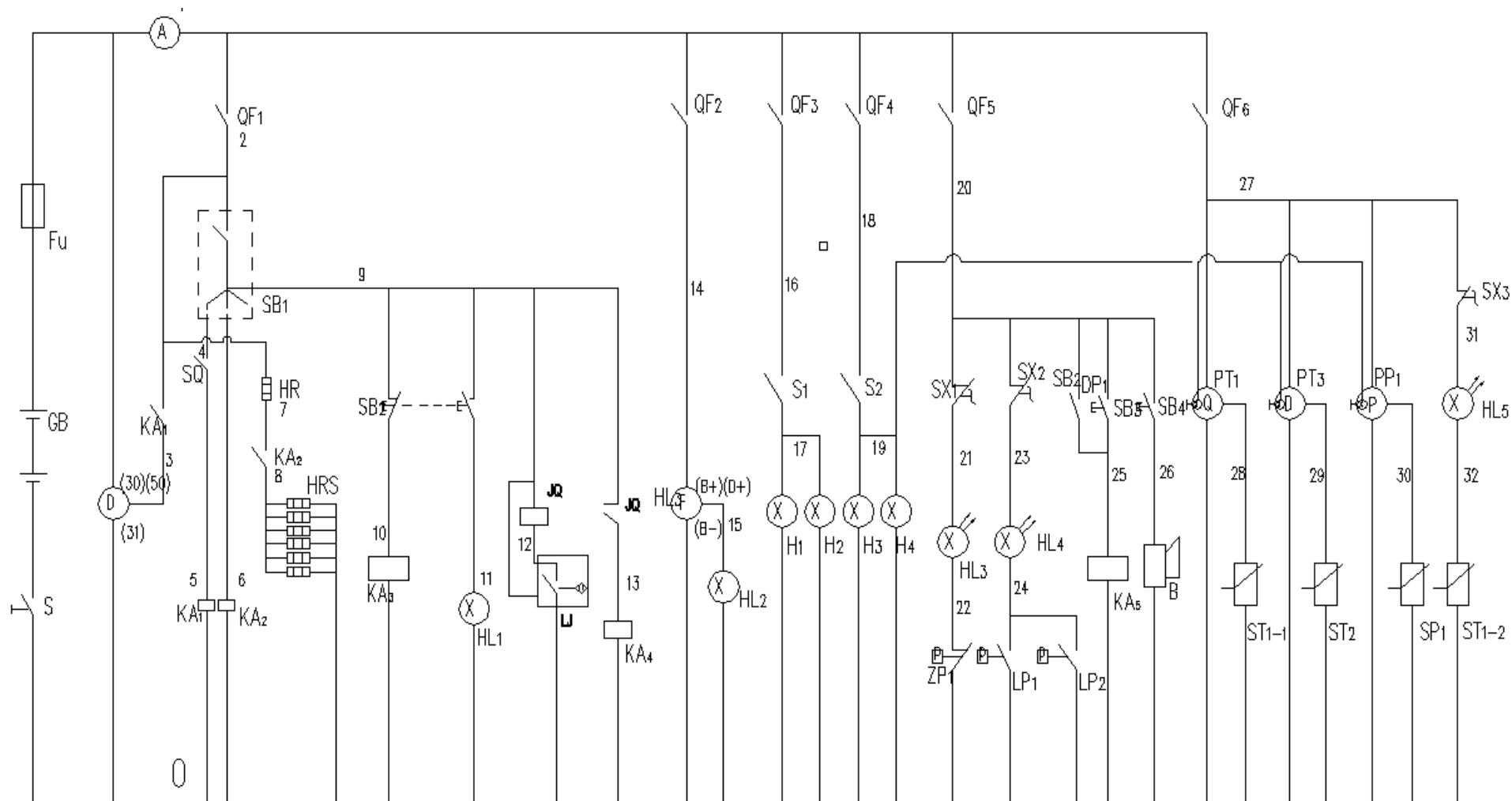
WJ20600A Drive system



Serial No.	Code	Name		Quantity	Remark	
1	TLDCY-2S-F	Front axle		1		
2	GB5785-2000	Bolt M10x1x45		8		
3	GB93-2000	Washer 10		8		
4	WJ20604A	Transmission shaft 1		2		
5	WJ20603A	Transmission shaft 2		1		
6	DANA RT32000	Gearbox		1		
7	WJ20602A	Transmission shaft 3		1		
8	WJ20601A	Transmission shaft		1		
9		Bolt 3/8-24UNFx45		16		
10	GB93-2000	Washer 10		8		
11	DANA C273	Torque converter		1		
12	GB5782-2000	Bolt M10x60		12		
13	GB97.2-2000	Washer 10		12		
14	GB5782-2000	Bolt M16x90		6		
15	GB6170-2000	Nut M16		6		
16	GB93-2000	Washer 16		10		
17	GB5783-2000	Bolt M16*45		4		
18		Plate		1		

19	WJ2060300A	Supporting		1		
20	GB93-2000	Washer 10		8		
21		Bolt 3/4-10NCx45		8		
22	GB5783-2000	Bolt M16x55		4		
23	GB93-2000	Spring washer 16		4		
24	GB6170-2000	Net 16		4		
25	WJ2020200	support		1		
26	TLDCY-2S-R	Rear axle		1		
27	WJ20605B	High-speed drive shaft		1		

WJ20700 Electrical components



Serial No.	Code	Name	Quantity	Remark
1	WJ20601	Preheat starter switch	1	SB1
2	WJ20602	Stop button	1	SB2
3	WJ20603	Flameout button	1	SB3
4	WJ20604	Horn button	1	SB4
5	WJ20605	Horn	1	B
6	WJ20606	Headlight switch	2	S1.S2
7	WJ20607	Miniature circuit breaker	6	QF1.QF2 QF6
8	WJ20608	Solution sound switch	2	SX1.SX2.SX3
9	WJ20609	Battery	2	GB
10	WJ20610	Power switch	1	S
11	WJ20611	Neutral switch.	1	SQ
12	WJ20612	Ammeter	1	A
13	WJ20613	Starting motor	1	D
14	WJ20614	Generator	1	F
15	WJ20615	Safety device	1	FU
16	WJ20616	Accumulator pressure alarm switch	1	ZP1
17	WJ20617	Return oil pressure alarm switch	1	LP1
18	WJ20618	Brake oil pressure alarm switch	1	LP2
19	WJ20619	Broken belt switch	1	DP1
20	WJ20620	Starter relay	1	KA1
21	WJ20621	Preheating relay	1	KA2
22	WJ20622	Brake electromagnet	1	KA3
23	WJ20623	Oil cut-off electromagnet	1	KA4
24	WJ20624	Flameout electromagnet	1	KA5
25	WJ20625	Preheat indicator light	1	HR

26	WJ20626	Preheating plug		1	HRS
27	WJ20627	Lamp assembly		4	H1.H2.H3.H4
28	WJ20628	Power indicator light		1	HL2
29	WJ20629	Buzzer (red)		3	HL3.HL4.HL5
30	WJ20630	Brake light		1	HL1
31	WJ20631	Cylinder head thermometer		1	PT1
32	WJ20632	Torque converter oil temperature gauge		1	PT3
33	WJ20633	Oil pressure gauge		1	PP1
34	WJ20634	Cylinder head temperature sensor		1	ST1-1
35	WJ20635	Cylinder head temperature alarm sensor		1	ST1-2
36	WJ20636	Torque converter oil temperature sensor		1	ST2
37	WJ20637	Oil pressure sensor		1	SP1
38	WJ20638	Miniature relay		1	JQ
39	WJ20639	Proximity switch		1	LJ