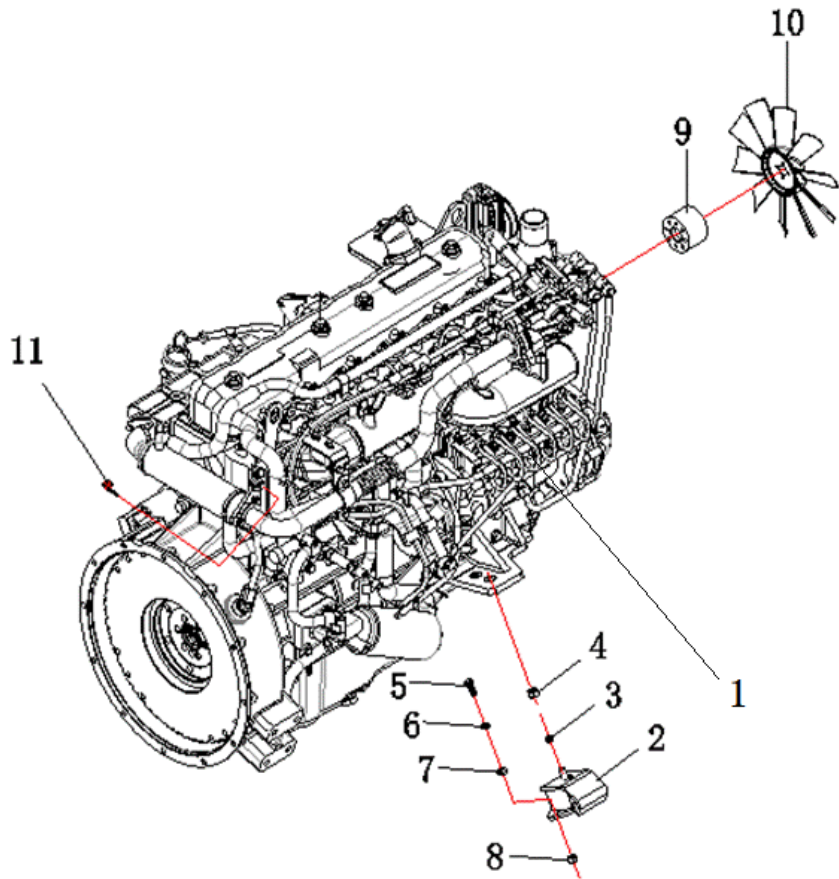


图1-1/Fig. 1-1

发动机及安装/ENGINE ASS'Y

FD50-100T-MG(4)2/MG(4)3、FD120T-MG(11)3

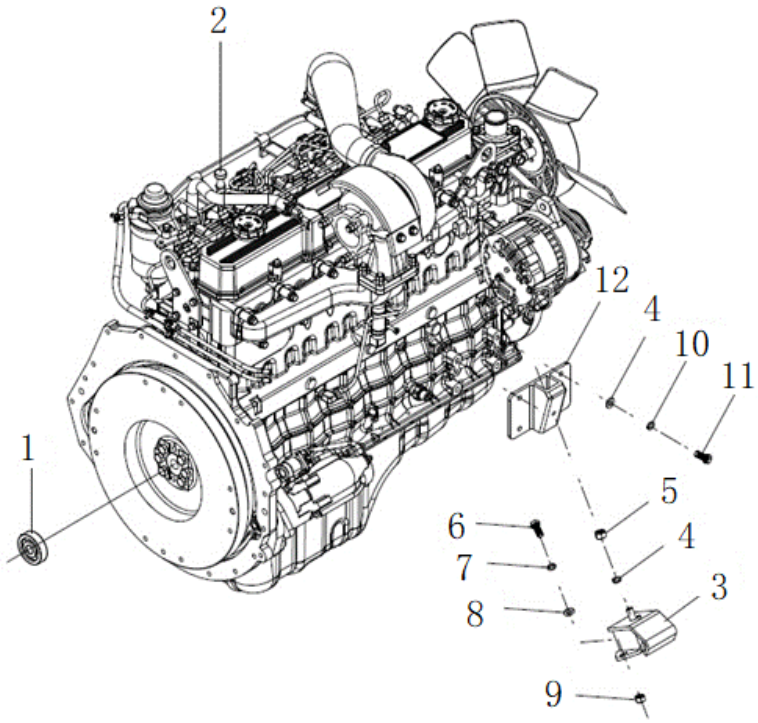


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69076629	M60436CT-01000	Chaochai CY6BG332 Engine	1	5-10T
-	69077858	12A36XCT-02000	Chaochai CY6BG132 Engine	1	x12T
2	69141174	M60436CT-01000-1	Rubber damper	2	5-10T 发动机自带
-	69141175	12A36XCT-02000-1	Rubber damper	2	x12T 发动机自带
3	69000054	GB/T93-12	Washer 12	2	
4	69000314	GB/T6171-M12*1.25-8J	Nut M12x1.25	2	
5	69017603	GB/T5782-M10*45-8.8J	Bolt M10x45	4	
6	69000053	GB/T93-10	Washer 10	4	
7	69000250	GB/T97.1-10	Washer 10	4	
8	69000290	GB/T889.1-M10-8J	Nut M10	4	
9	69080754	M60436CT-00001	Plate	1	5-7T 2016.08.20使用
-	69083009	10A36CT-00001B	Fan bolk	1	8-10T
10	69141176	M60436CT-01000-2	Fan assebmly	1	5-7T 发动机自带
-	69079588	10A36CT-01000	Fan assebmly(Multi-Wing)	1	8-10T
-	69141177	12A36XCT-02000-2	Fan assebmly	1	x12T 发动机自带
11	69048060	A30455-00001	pipe	2	5-7T

图1-2/ Fig. 1-2

发动机及安装/ENGINE ASS'Y

FD50-70T-MWJ2/MWJ3

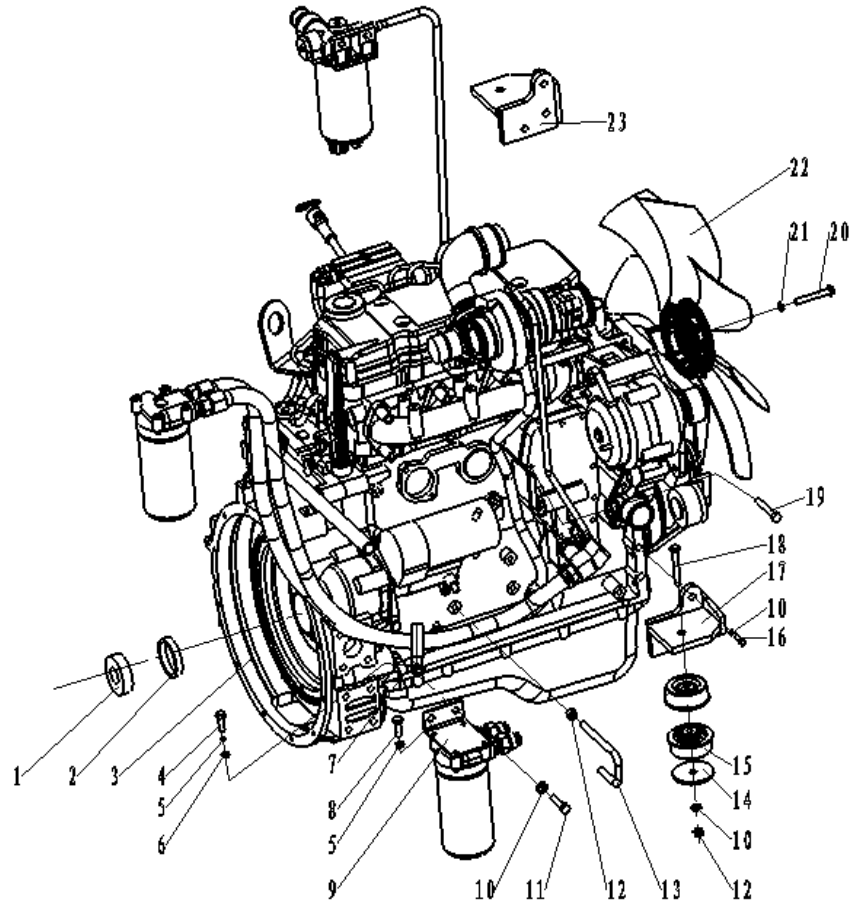


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69010274	GB/T276-6204RS	Deep groove ball bearing 6204	1	发动机自带
2	69020810	60436S-02000	mitsubishi S6S-T Engine	1	
3	69020784	M60436C00001	Rubber damper	2	
4	69000054	GB/T93-12	Washer 12	10	
5	69000314	GB/T6171-M12*1.25-8J	Nut M12x1.25	2	
6	69017603	GB/T5782-M10*45-8.8J	Bolt M10x45	4	
7	69000053	GB/T93-10	Washer 10	4	
8	69000250	GB/T97.1-10	Washer 10	4	
9	69000290	GB/T889.1-M10-8J	Nut M10	4	
10	69000251	GB/T97.1-12	Washer 12	8	
11	69000002	GB/T5783-M12*25-8.8J	Bolt M12x25	8	
12	69012342	60436S-01000	Engine bracket	2	

图1-3/ Fig. 1-3

发动机及安装/ENGINE ASS'Y

FD50-100T-MWL2/MWL3、FD120T-MXWQ3

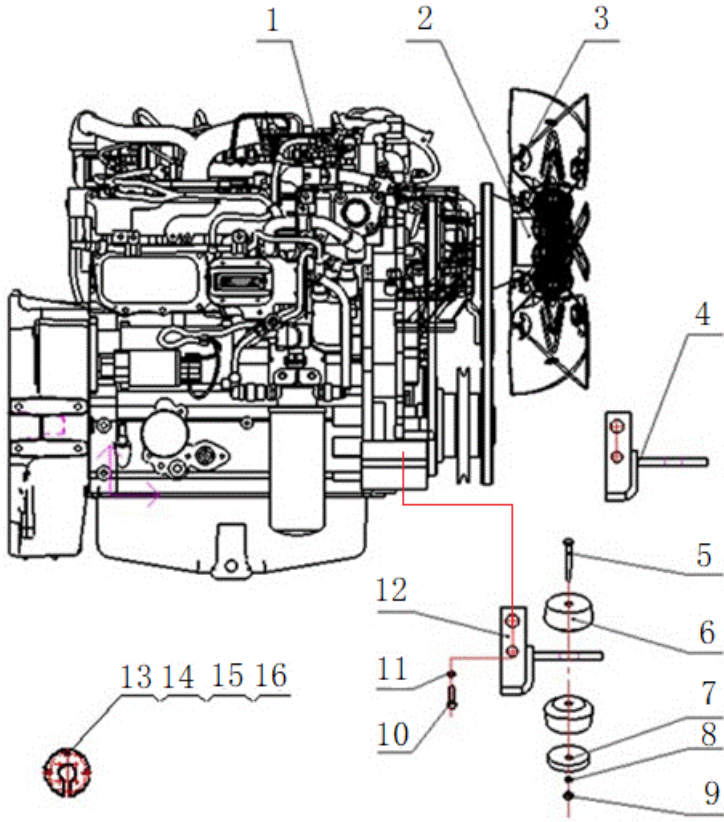


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69009983	GB/T296-1994	Deep groove ball bearing 6306-2Z	1	
2	69026239	10A36Q-00007	Bushing	1	
3	69020742	10A36Q-01000	Cummins QSB4.5-C110 Engine	1	5-10T
-	69038361	12A36X-01000	Cummins QSB4.5-C130 Engine	1	x12T
4	69000200	GB/T5783-M8*25-8.8J	Bolt M8x25	1	
5	69000062	GB/T93-8	Washer 8	5	
6	69000259	GB/T97.1-8	Washer 8	1	
7	69036938	10A36Q-00002	Clip	1	
8	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	4	
9	69024550	10A36Q-00001	Oil filter bracket	1	
10	69000054	GB/T93-12	Washer 12	16	
11	69000002	GB/T5783-M12*25-8.8J	Bolt M12x25	4	
12	69010313	GB/T889.1-M12-8J	Nut M12	4	
13	69026240	10A36Q-00006	Bar	1	
14	69011257	M45416P00001	Washer	2	
15	69016295	M45416P00003	Rubber damper	4	07Y-03-10000A-00
16	69000151	GB/T5783-M12*35-8.8J	Bolt M12x35	2	
17	69024545	10A36Q-03000	Engine bracket(left)	1	
18	69039746	GB/T5782-M12*120-8.8J	Bolt M12x120	2	
19	69025179	10A36Q-00005	Connector	1	
20	69005931	GB/T5782-M10*110-8.8J	Bolt M10x110	4	
21	69000053	GB/T93-10	Washer 10	4	
22	69024632	10A36Q-02000	Fan assembly(Multi-Wing)	1	550/10-40° PAG
23	69024546	10A36Q-04000	Engine bracket(right)	1	

图1-4/ Fig. 1-4

发动机及安装/ENGINE ASS'Y

FD50-70T-MW(3)3

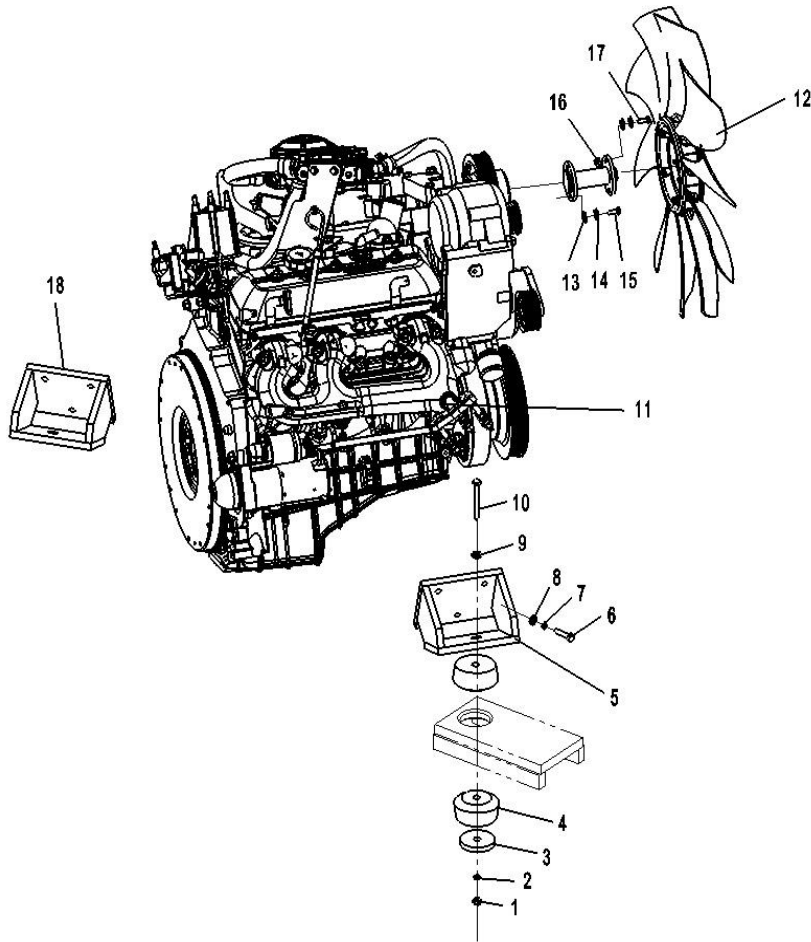


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69083027	M60436DF-02000	DEUTZ TCD3.6L4 Engine	1	
2	69076555	M60436DF-00001	Fan Plate	1	
3	69076554	M60436DF-03000	Fan assembly	1	
4	69076557	M60436DF-05000	Engine bracket(right)	1	
5	69039746	GB/T5782-M12*120-8.8J	Bolt M12x120	2	
6	69016295	M45416P00003	Rubber damper	4	07Y-03-10000A-00
7	69011257	M45416P00001	Washer	2	
8	69000054	GB/T93-12	Washer 12	16	
9	69010313	GB/T889.1-M12-8J	Nut M12	4	
10	69000169	GB/T5783-M16*35-8.8J	Bolt M16x35	4	
11	69000056	GB/T93-16	Washer 16	4	
12	69076556	M60436DF-04000	Engine bracket(left)	1	
13	69086454	M60436DF-00002	Engine diagnostic port mou plate	1	
14	69000325	GB/T818-M5*16-4.8J	Screw M5X16	4	
15	69000257	GB/T97.1-5	Washer 5	4	
16	69000059	GB/T93-5	Washer 5	4	

图1-5/ Fig. 1-5

发动机及安装/ENGINE ASS'Y

FL50-70T-MWE3

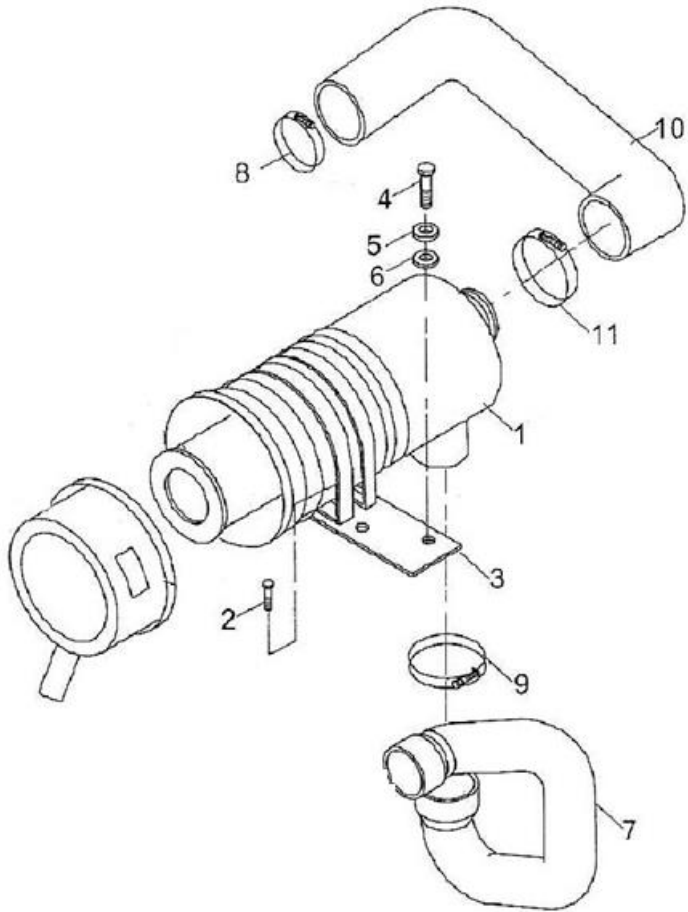


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69010313	GB/T889.1-M12-8J	Nut M12	2	
2	69000084	GB/T96.1-12	Washer 12	2	
3	69011257	M45416P00001	Washer I	2	
4	69016295	M45416P00003	Rubber damper	4	
5	69022753	45D16G-01000	Engine bracket (left)	1	
6	69000128	GB/T5783-M10*30-8.8J	Bolt M10x30	6	
7	69000053	GB/T93-10	Washer 10	6	
8	69006706	GB/T96.1-10	Washer 10	6	
9	69000054	GB/T93-12	Washer 12	2	
10	69039746	GB/T5782-M12*120-8.8J	Bolt M12x120	2	
11	69020946	45D16G-04000	Engine (GM4.3)	1	
12	69052496	M60D36G-02000	Fan assembly	1	
13	69000259	GB/T97.1-8	Washer 8	8	
14	69000062	GB/T93-8	Washer 8	8	
15	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	4	
16	69000112	GB/T6170-M8-8J	Nut M8	4	
17	69000200	GB/T5783-M8*25-8.8J	Bolt M8x25	4	
18	69022754	45D16G-06000	Engine bracket (right)	1	

图2-1/Fig. 2-1

空滤器及安装/AIR CLEANER ASS'Y

FD50-70T-MWJ2/MWJ3

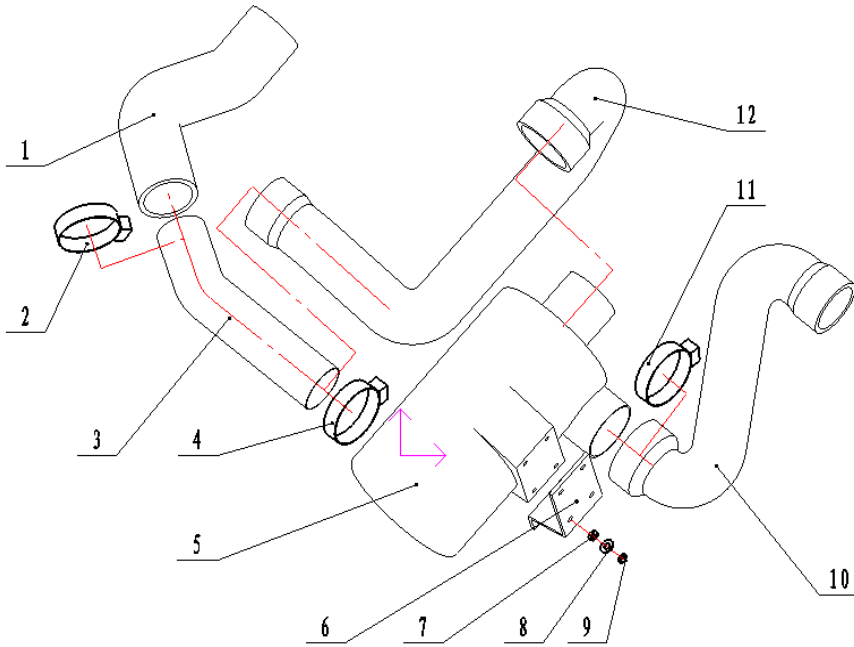


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69006091	M6041201000	Air cleaner KW1634	1	
2	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	4	
3	69044568	60412S-00002	Air cleaner bracket	1	
4	69000144	GB/T5783-M12*20-8.8J	Bolt M12x20	2	
5	69000054	GB/T93-12	Washer 12	2	
6	69000251	GB/T97.1-12	Washer 12	2	
7	69006499	M6041200002	Air cleaner hose (Inlet)	1	
8	69047168	JB/T8870-60-80	Hoop d80	2	
9	69025393	JB/T8870-100-120	Hoop d120	2	
10	69012335	60412S-00001	Air cleaner hose (Inlet) B	1	
11	69036890	JB/T8870-80-100	Hoop d100	1	

图2-2/Fig. 2-2

空滤器及安装/AIR CLEANER ASS'Y

FD50-100T-MG(4)2/MG(4)3、FD120T-MG(11)3、FD50-70T-MW(3)3

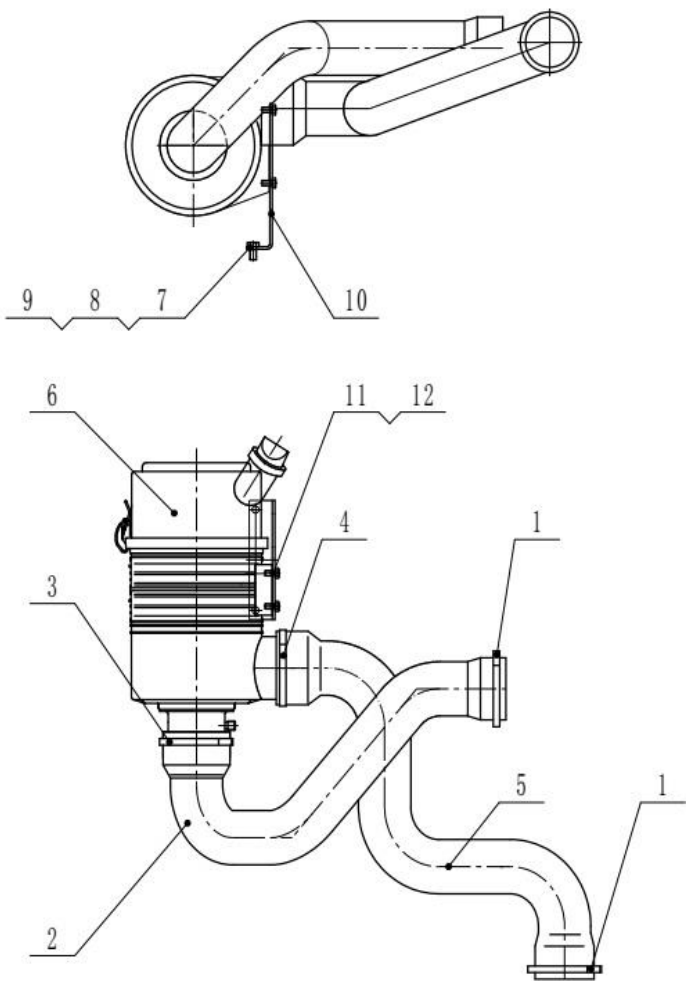


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69076896	M60412CT-00001	Air cleaner hose I (Outlet)	1	5-10T
-	69077825	12A12XCT-00001	Engine intake manifold I	1	FD120T-MG(11)3
-	69079475	M60412DF-00001A	Air cleaner hose I (Outlet)	1	FD50-70-MWY3
2	69047169	JB/T8870-50-70	Hoop d70	1	FD50-70-MWY3
3	69079313	M60412CT-01000A	Hose	1	
-	69077832	12A12XCT-01000	Hose	1	FD120T-MG(11)3
4	69036890	JB/T8870-80-100	Hoop d100	4	
5	69006091	M6041201000	Air cleaner KW1634	1	
6	69079314	M60412CT-00004A	Air cleaner bracket	1	
7	69000259	GB/T97.1-8	Washer 8	6	
8	69000062	GB/T93-8	Washer 8	6	
9	69000112	GB/T6170-M8-8J	Nut M8	6	
10	69079291	M60412CT-00002A	Air cleaner hose (Inlet)	1	
11	69025393	JB/T8870-100-120	Hoop d120	2	
12	69079292	M60412CT-00003A	Air cleaner hose II (Outlet)	1	
-	69079297	12A12XCT-00006	Engine intake manifold II	1	FD120T-MG(11)3

图2-3/Fig. 2-3

空滤器及安装/AIR CLEANER ASS'Y

FD50-100T-MWL2/MWL3、FD120T-MXWQ3

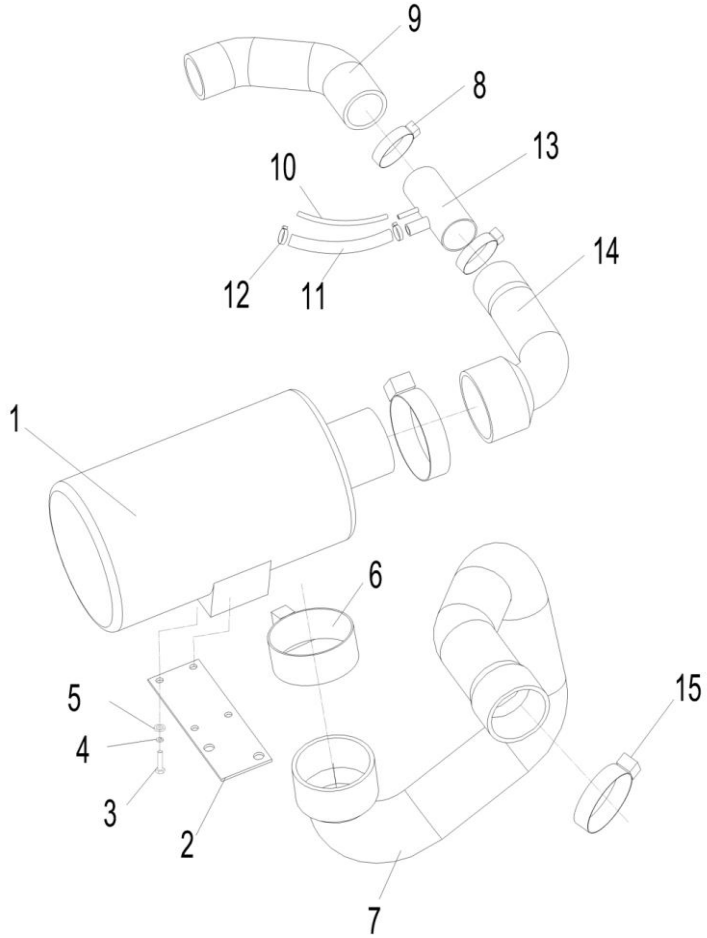


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69036890	JB/T8870-80-100	Hoop d100	2	
2	69024536	10A12Q-00003	Air cleaner hose (Outlet)	1	
3	69047170	JB/T8870-90-110	Hoop d110	1	
4	69025393	JB/T8870-100-120	Hoop d120	1	
5	69024535	10A12Q-00002	Air cleaner hose (Inlet)	1	
6	69006091	M6041201000	Air cleaner KW1634	1	
7	69000123	GB/T5783-M10*20-8.8J	Bolt M10x20	2	
8	69000053	GB/T93-10	Washer 10	2	
9	69000250	GB/T97.1-10	Washer 10	2	
10	69024534	10A12Q-00001	Air filter bracket	1	
11	69000062	GB/T93-8	Washer 8	4	
12	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	4	

图2-4/Fig. 2-4

空滤器及安装/AIR CLEANER ASS'Y

FL50-70T-MWE3



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69006091	M6041201000	Air cleaner KW1634	1	
2	69007412	M6041200001	Air filter bracket	1	
3	69000144	GB/T5783-M12*20-8.8J	Bolt M12x20	2	
4	69000054	GB/T93-12	Washer 12	2	
5	69000251	GB/T97.1-12	Washer 12	2	
6	69025393	JB/T8870-100-120	Hoop d100-d120	1	
7	69006499	M6041200002	Air cleaner hose (Inlet)	1	
8	69047169	JB/T8870-50-70	Hoop d50- d70	3	
9	69052501	M60D12G-00001	Air cleaner hose (Inlet) I	1	
10	69023430	45D12G-00002	Rubber pipe Φ8x600	1	
11		45D12G-00003	Rubber pipe Φ16x800	1	
12	69036894	JB/T8870-16-25	Hoop d16- d25	2	
13	69023429	45D12G-01000	Hose	1	
14	69052502	M60D12G-00002	Air cleaner hose (Inlet) II	1	
15	69036890	JB/T8870-80-100	Hoop d80-d100	2	

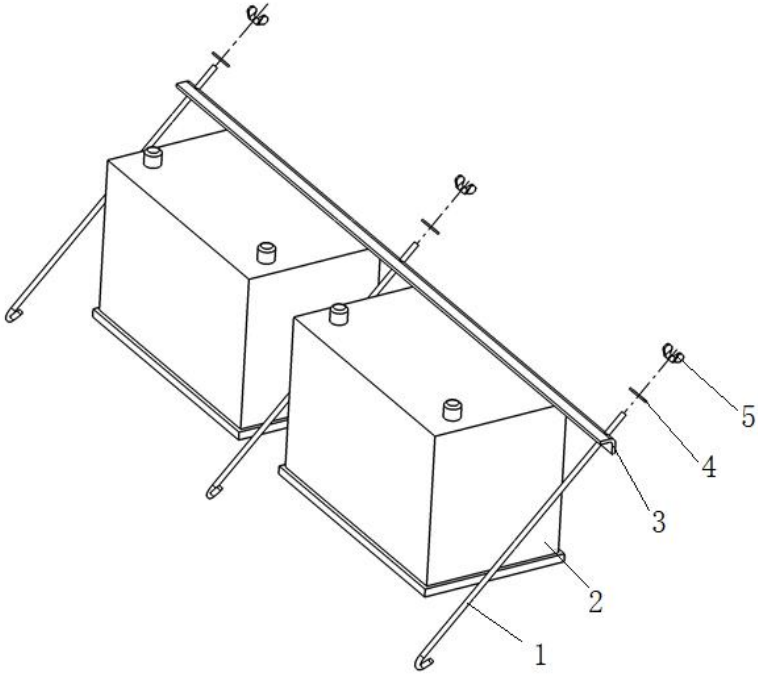
图3-1/Fig. 3-1

蓄电池及安装/BATTERY AND INSTALLATION

FD50-70T-MWJ2/MWJ3

FD50-100T-MG(4)2/MG(4)3、FL50-70T-MWE3

FD50-100T-MWL3、FD120T-MXWQ3、FD120T-MG(11)3

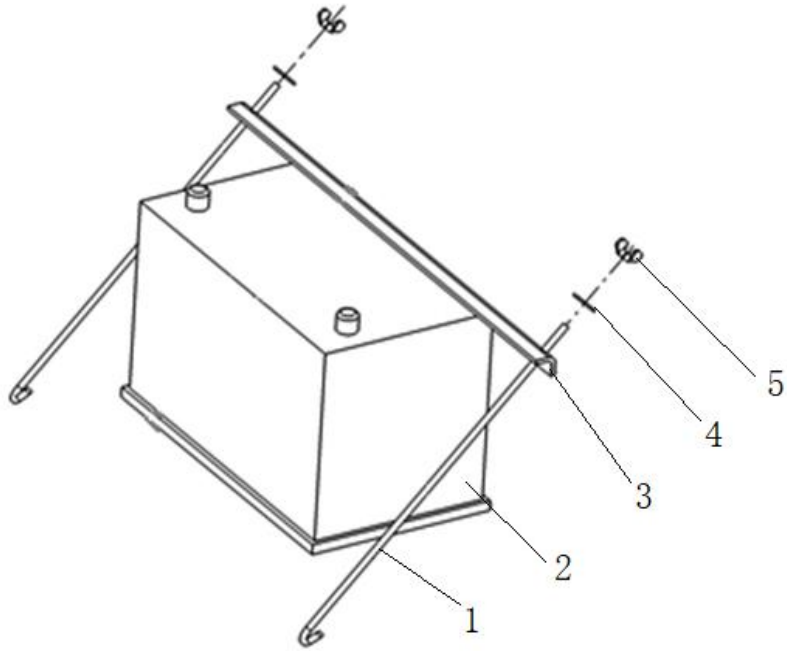


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69047947	M6041400002	Support rod	3	
2	69002947	M3031402000	Start battery 6-QW-90	2	
3	69007398	M6041400001	Plate	1	5-7T
-	69016002	10A61-14001	Plate	1	8-x12T
4	69018955	GB/T5287-6	Washer 6	3	
5	69000077	GB62-M6	Nut A M6	3	

图3-2/Fig. 3-2

蓄电池及安装/BATTERY AND INSTALLATION

FL50-70T-MWE3

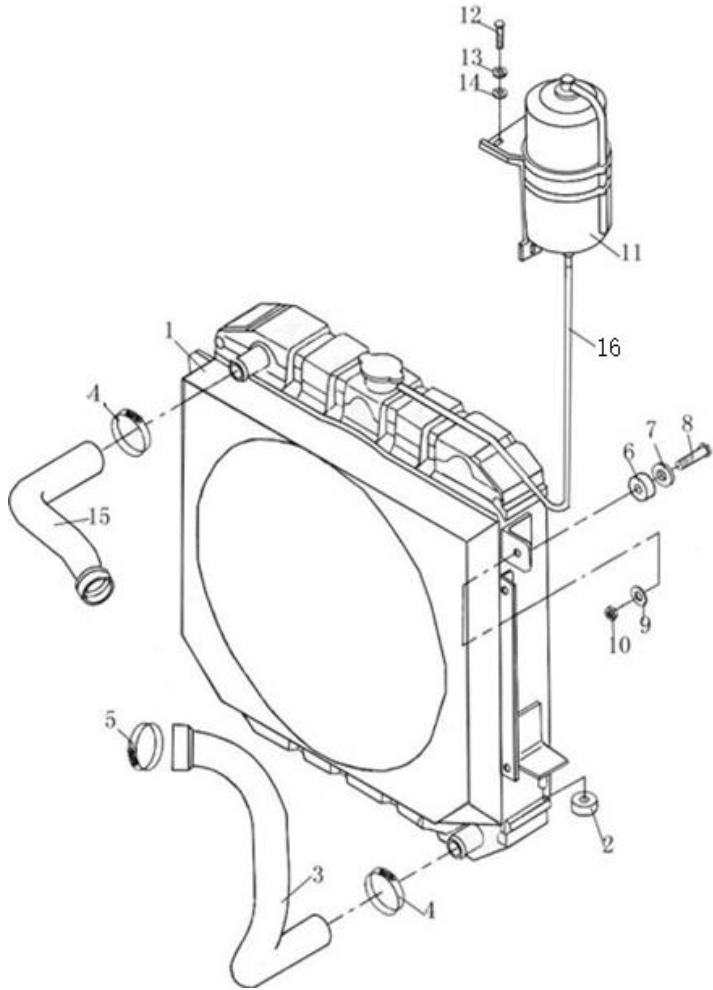


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69047947	M6041400002	Support rod	2	
2	69007247	M30214N02000	Start battery 6-QW-60	1	
3	69052503	M60D14G-00001	Plate	1	
4	69018955	GB/T5287-6	Washer 6	2	
5	69000077	GB62-M6	Nut A M6	2	

图4-1/ Fig. 4-1

冷却装置及安装 / COOLING SYSTEM

FL50-70T-MWE3

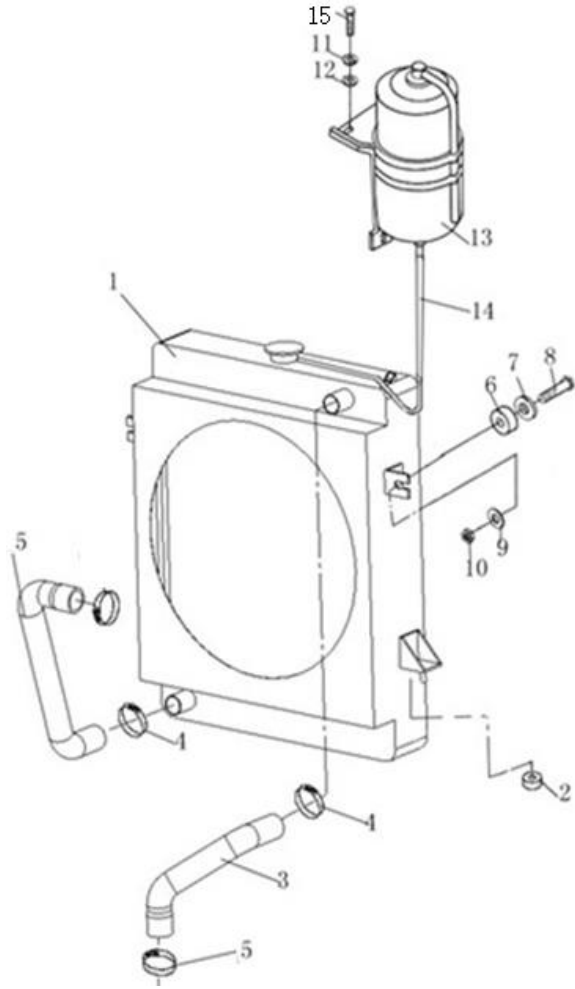


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69092821	M60D21G-01000(B)	Radiator ass'y	1	
2	69001850	M3032100009	Rubber damper A	2	
3	69052505	M60D21G-00002	Lower hose	1	
4	69036889	JB/T8870-32-50	Hoop d50	3	
5	69036891	JB/T8870-40-60	Hoop d60	1	
6	69001849	M3032100010	Rubber damper B	2	
7	69000084	GB/T96.1-12	Washer 12	2	
8	69000289	M3032100012	Radiator bolt	2	
9	69000085	GB/T96.1-8	Washer 8	2	
10	69000292	GB/T889.1-M8-8J	Nut M8	2	
11	69006013	M6042102000	Radiator reserve tank	1	
12	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	3	
13	69000062	GB/T93-8	Washer 8	3	
14	69000259	GB/T97.1-8	Washer 8	3	
15	69052504	M60D21G-00001	Upper hose	1	
16	69067535	M6042100003	Rubber pipe $\Phi 8 \times 3-1850$	1	

图4-2/Fig. 4-2

冷却装置及安装/COOLING SYSTEM

FD50-70T-MWJ2/MWJ3

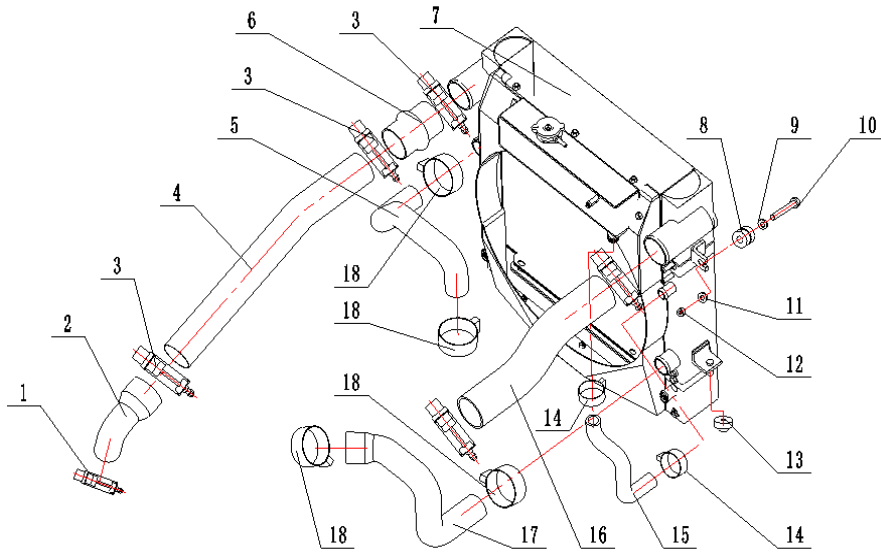


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69043532	60421S-01000	Radiator ass'y	1	
2	69001850	M3032100009	Rubber damper A	2	
3	69012337	60421S-00002	Upper hose	1	
4	69036891	JB/T8870-40-60	Hoop d60	4	
5	69012336	60421S-00001	Lower hose	1	
6	69001849	M3032100010	Rubber damper B	2	
7	69000084	GB/T96.1-12	Washer 12	2	
8	69000289	M3032100012	Radiator bolt	2	
9	69000085	GB/T96.1-8	Washer 8	2	
10	69000292	GB/T889.1-M8-8J	Nut M8	2	
11	69000062	GB/T93-8	Washer 8	3	
12	69000259	GB/T97.1-8	Washer 8	3	
13	69006013	M6042102000	Radiator reserve tank	1	
14	69067535	M6042100003	Rubber pipe $\Phi 8 \times 3-1850$	1	
15	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	3	

图4-3/Fig. 4-3

冷却装置及安装/COOLING SYSTEM

FD50-100T-MG(4)2/MG(4)3

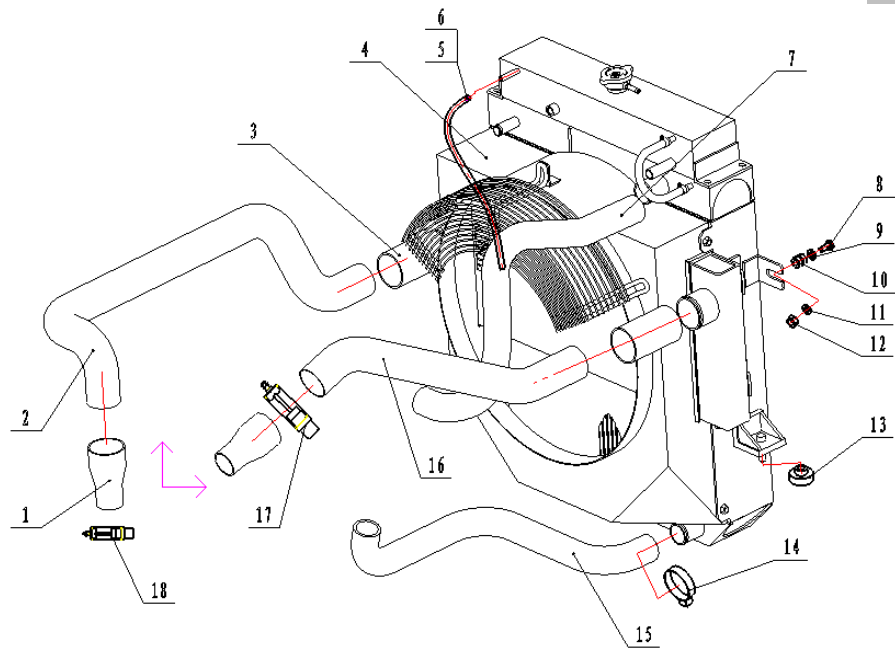


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69076910	M60421CT-00008	T Spring clamp Φ57-64	1	
2	69078630	M60421CT-00001A	Silicone hose I	1	
3	69071749	S60421-00005	T Spring clamp Φ83-91	5	
4	69078631	M60421CT-00002A	Cold tube	1	
5	69079473	M60421CT-00008A	Upper hose	1	
-	69078634	M60421CT-00005A	Upper hose	1	空调车用
6	69080751	S60421-00004A	Rubber pipe	1	
7	69078635	M60421CT-01000A	Radiator ass'y	1	
8	69001849	M3032100010	Rubber damper B	2	
9	69000084	GB/T96.1-12	Washer 12	2	
10	69000289	M3032100012	Radiator bolt	2	
11	69000085	GB/T96.1-8	Washer 8	2	
12	69000292	GB/T889.1-M8-8J	Nut M8	2	
13	69001850	M3032100009	Rubber damper A	2	
14	69036889	JB/T8870-32-50	Hoop d32- d50	2	
15	69076906	M60421CT-00006	hoseΦ25x5	1	2016.5.5停用
-	69079312	M60421CT-00007A	hoseΦ25x5	1	2016.5.30使用
16	69080750	M60421CT-00003B	Silicone hose II	1	5-7T
-	69087614	10A421CT-00003B	Silicone hose II	1	8-10T
17	69080752	M60421CT-00004B	Lower hose	1	
18	69047168	JB/T8870-60-80	Hoop d60- d80	4	

图4-4/Fig.4-4

冷却装置及安装/COOLING SYSTEM

FD50-70T-MW(3)3

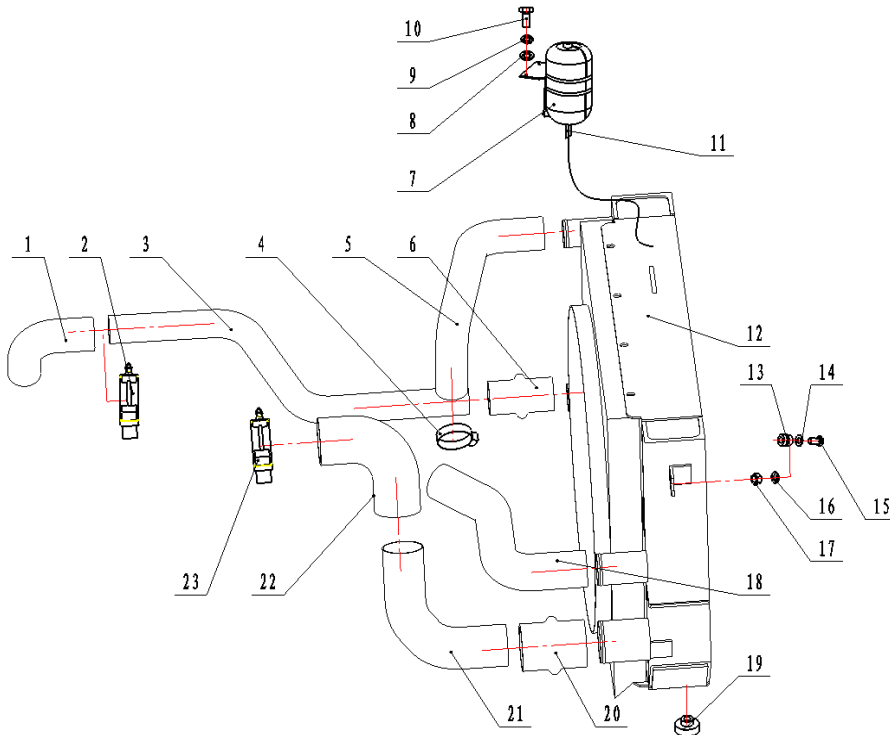


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69076537	M60421DF-00003	Silicone hose I	2	
2	69076539	M60421DF-00007	Intercooler tube II	1	
3	69076538	M60421DF-00006	Silicone hose II	2	
4	69076534	M60421DF-01000	Radiator ass'y	1	
5		10A21Q-00006	Rubbe house Φ10x800	1	
6	69000052	JB/T8870-10-16	Hoop d10-d16	1	
7	69076535	M60421DF-00001	Upper hose	1	
8	69000289	M3032100012	Radiator bolt	2	
9	69000085	GB/T96.1-8	Washer 8	2	
10	69001849	M3032100010	Rubber damper B	2	
11	69000084	GB/T96.1-12	Washer 12	2	
12	69000292	GB/T889.1-M8-8J	Nut M8	2	
13	69001850	M3032100009	Rubber damper A	2	
14	69036891	JB/T8870-40-60	Hoop d60	4	
15	69076540	M60421DF-00008	Lower hose	1	
16	69076536	M60421DF-00002	Cold tube I	1	
17	69084669	LS84669	T Spring clamp Φ50-58	2	
18	69084670	LS84670	T Spring clamp Φ72-80	6	

图4-5/Fig.4-5

冷却装置及安装/COOLING SYSTEM

FD120T-MG(11)3

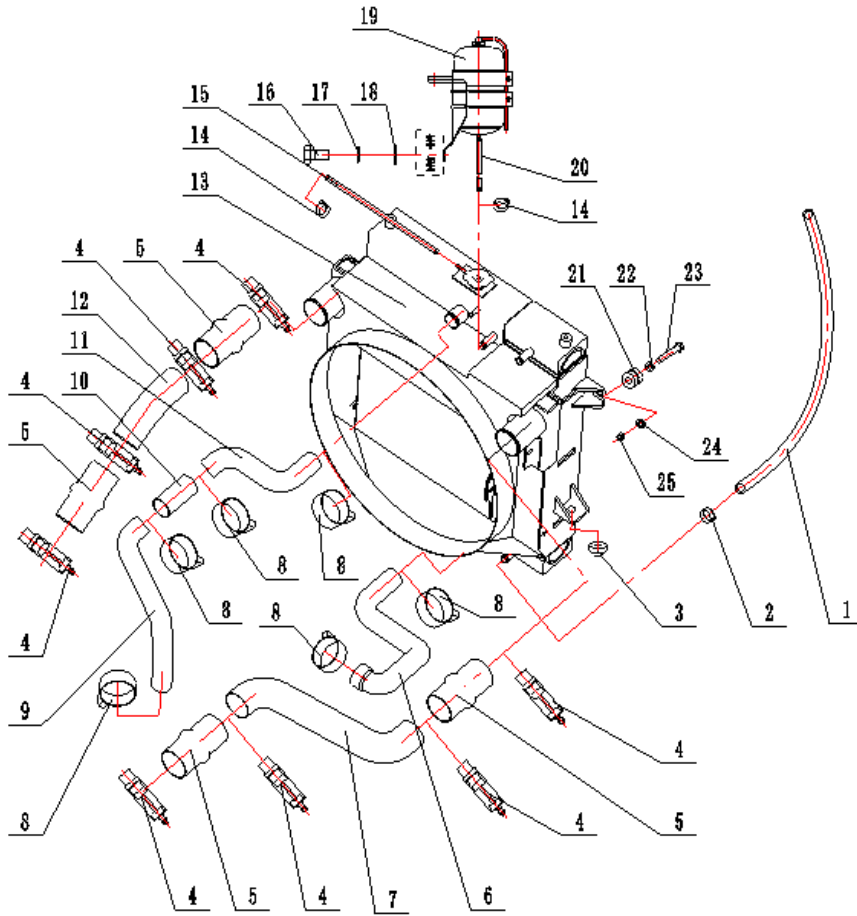


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69077834	12A21XCT-00001	Rubber pipe I	1	
2	69076910	M60421CT-00008	T Spring clamp Φ57-64	4	
3	69077835	12A21XCT-00002	Intercooler tube I	1	
4	69047169	JB/T8870-50-70	Hoop d70	4	
5	69077840	12A21XCT-00004	Upper hose	1	
6	69077842	12A21XCT-00006	Silicone hose III	1	
7	69006013	M6042102000	Radiator reserve tank	1	
8	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	3	
9	69000062	GB/T93-8	Washer 8	3	
10	69000259	GB/T97.1-8	Washer 8	3	
11	69067535	M6042100003	Rubber pipe Φ8×3-1850	1	
12	69077846	12A21XCT-01000	Radiator ass'y	1	
13	69001849	M3032100010	Rubber damper B	2	
14	69000084	GB/T96.1-12	Washer 12	2	
15	69000289	M3032100012	Radiator bolt	2	
16	69000085	GB/T96.1-8	Washer 8	2	
17	69000292	GB/T889.1-M8-8J	Nut M8	2	
18	69077841	12A21XCT-00005	Lower hose	1	
19	69001850	M3032100009	Rubber damper A	2	
20	69080751	S60421-00004A	Silicone hose	1	
21	69077844	12A21XCT-00007	Intercooler tube II	1	
22	69077836	12A21XCT-00003	Silicone hose II	1	
23	69066773	LS66773	T Spring clamp Φ83-91	4	

图4-6/ Fig. 4-6

散热器及安装 / COOLING SYSTEM

FD50-100T-MWL2/MWL3、FD120T-MXWQ3



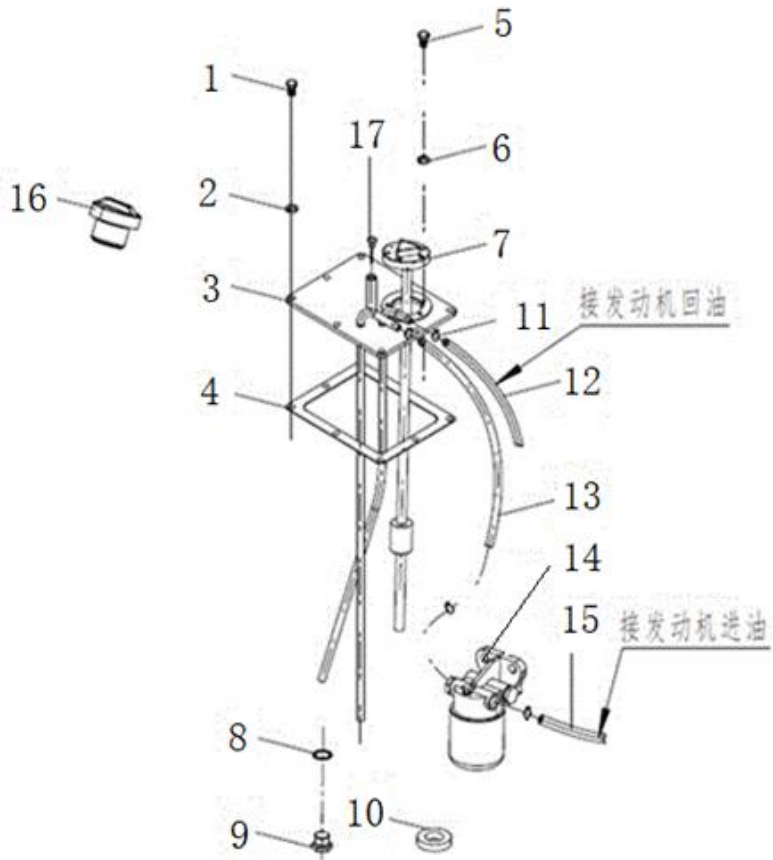
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69006668	LS6668	Hose $\Phi 18 \times \Phi 28 \times 1100$	1	
2	69022337	JB/T8870-20-32	Hoop d20-d32	2	
3	69001850	M3032100009	Rubber damper I	2	
4	69012020	LS12020	T Spring clamp $\Phi 84-90$	8	发动机自带
5	69030964	10A21Q-00000-1	Silicone hose	4	发动机自带
6	69024538	10A21Q-00002	Lower hose	1	
7	69024541	10A21Q-00003	Intercooler tube ,Inlet	1	
8	69047169	JB/T8870-50-70	Hoop d50- d70	6	
9	69085782	M60421QF-00005	Upper hose2	1	
10	69085783	M60421QF-00006	Transition pipe	1	
11	69085781	M60421QF-00004	Upper hose1	1	
12	69024540	10A21Q-00004	Intercooler tube ,Outlet	1	
13	69043535	10A21Q-01000	Radiator ass'y	1	
14	69000052	JB/T8870-10-16	Hoop d10-d16	4	
15		10A21Q-00006	Rubber house $\Phi 10 \times 800$	1	
16	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	3	
17	69000062	GB/T93-8	Washer 8	3	
18	69000259	GB/T97.1-8	Washer 8	3	
19	69006013	M6042102000	Radiator reserve tank	1	
20	69067535	M6042100003	Rubber pipe $\Phi 8 \times 3-1850$	1	
21	69001849	M3032100010	Rubber damper II	2	
22	69000084	GB/T96.1-12	Washer 12	2	
23	69000289	M3032100012	Radiator bolt	2	
24	69000085	GB/T96.1-8	Washer 8	2	
25	69000292	GB/T889.1-M8-8J	Nut M8	2	

图5-1/Fig. 5-1

燃油装置及安装/FUEL SYSTEM

FD50-100T-MG(4)2/MG(4)3

FD50-70T-MWJ2/MWJ3、FD120T-MG(11)3

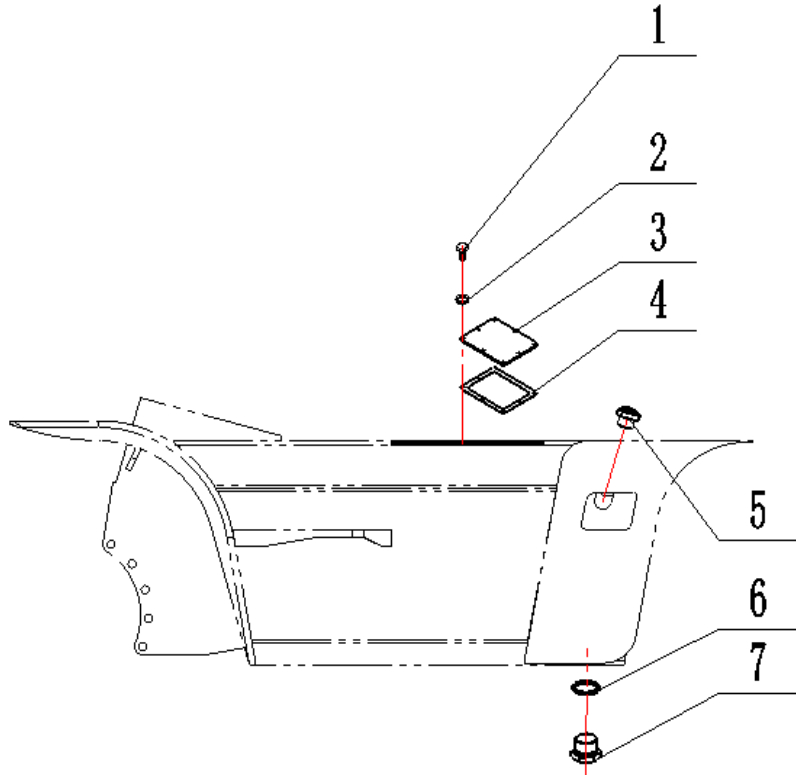


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000325	GB/T818-M5*16-4.8J	Screw M5x16	5	
2	69000059	GB/T93-5	Washer 5	5	
3	69006922	M6042201000	Cover plate ass'y	1	
4	69006126	M6042200001	Gasket	1	
5	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	10	
6	69000062	GB/T93-8	Washer 8	12	
7	69012131	M6042203000	Fuel quantity sensor TBRG4114	1	
8	69006727	JB982-30	Combination seal gasket 30	1	
9	69007407	M6047500001	Drain plug	1	
10	69035702	M3032200003	Magnet $\Phi 60 \times 32 \times 10$	3	
11	69042429	JB/T8870-12-20	Hoop d12-d20	8	
12		M6042200005	Fuel house $\Phi 7 \times \Phi 13 \times 800$	1	
13		M6042200006	Fuel house $\Phi 7 \times \Phi 13 \times 1000$	1	
14	69006395	M6042205000	Fuel filter CX0708T	1	PYL00165
15	69044544	M6042200002	Fuel house $\Phi 7 \times \Phi 13 \times 340$	1	
16	69001925	M3032200001	Rubber cushion ass'y	1	
17	69012268	M6042202000	Breather plug Z1/8"	1	

图5-2/Fig. 5-2

燃油装置及安装/FUEL SYSTEM

FL50-70T-MWE3

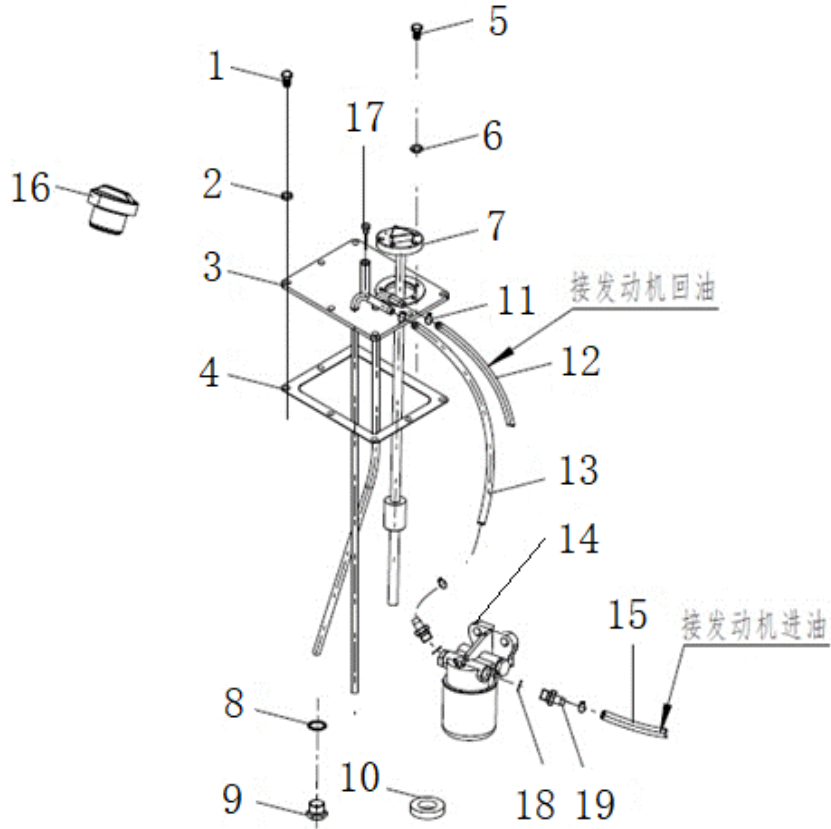


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000325	GB/T818-M5*16-4.8J	Screw M5x16	5	
2	69000059	GB/T93-5	Washer 5	5	
3	69006922	M6042201000	Cover plate ass'y	1	
4	69006126	M6042200001	Gasket	1	
5	69001925	M3032200001	Rubber cushion ass'y	1	
6	69006727	JB982-30	Combination seal gasket 30	1	
7	69007407	M6047500001	Drain plug	1	

图5-3/Fig. 5-3

燃油装置及安装/FUEL SYSTEM

FD50-100T-MWL2/MWL3、FD120T-MXWQ3

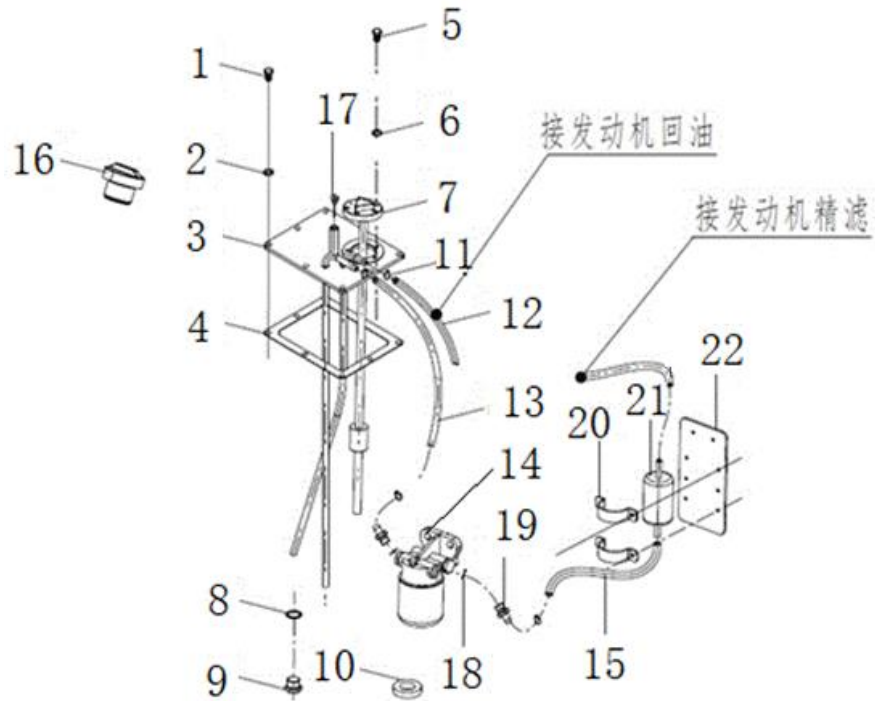


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000325	GB/T818-M5*16-4.8J	Screw M5x16	5	
2	69000059	GB/T93-5	Washer 5	5	
3	69006922	M6042201000	Cover plate ass'y	1	
4	69006126	M6042200001	Gasket	1	
5	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	10	
6	69000062	GB/T93-8	Washer 8	12	
7	69012131	M6042203000	Fuel quantity sensor TBRG4114	1	
8	69006727	JB982-30	Combination seal gasket 30	1	
9	69007407	M6047500001	Drain plug	1	
10	69035702	M3032200003	Magnet $\Phi 60 \times 32 \times 10$	3	
11	69000052	JB/T8870-10-16	Hoop d16	6	
12		M6042200005	Fuel house $\Phi 7 \times \Phi 13 \times 800$	1	
13		M6042200006	Fuel house $\Phi 7 \times \Phi 13 \times 1000$	1	
14	69141178	FS 9920	Oil-water separator	1	发动机自带
15	69044544	M6042200002	Fuel house $\Phi 7 \times \Phi 13 \times 340$	1	
16	69001925	M3032200001	Rubber cushion ass'y	1	
17	69012268	M6042202000	Breather plug Z1/8"	1	
18	69000353	JB/T982-12	Combination seal gasket 12	1	
19	69024542	10A22Q-00001	Oil-water separator connector	1	

图5-4/ Fig. 5-4

燃油装置及安装/FUEL SYSTEM

FD50-70T-MW(3)3

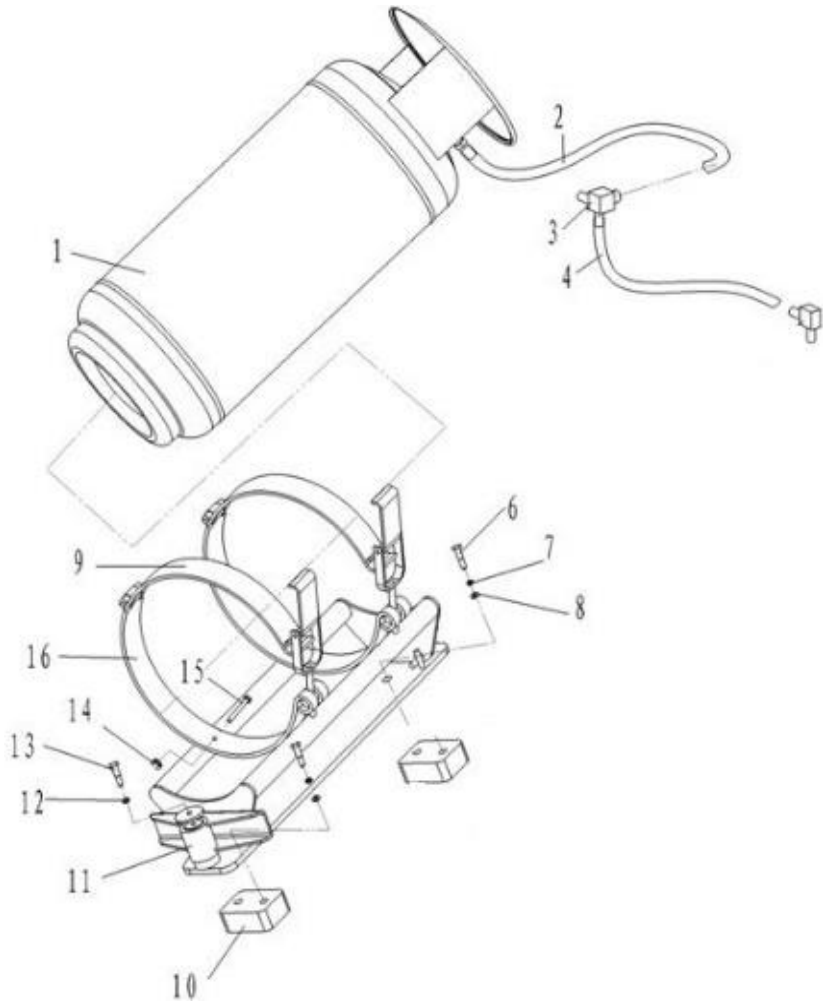


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000325	GB/T818-M5*16-4.8J	Screw M5×16	5	
2	69000059	GB/T93-5	Washer 5	5	
3	69006922	M6042201000	Cover plate ass'y	1	
4	69006126	M6042200001	Gasket	1	
5	69000198	GB/T5783-M8*20-8.8J	Bolt M8×20	10	
6	69000062	GB/T93-8	Washer 8	12	
7	69012131	M6042203000	Fuel quantity sensor TBRG4114	1	
8	69006727	JB982-30	Combination seal gasket 30	1	
9	69007407	M6047500001	Drain plug	1	
10	69035702	M3032200003	Magnet Φ60×32×10	3	
11	69000052	JB/T8870-10-16	Hoop d16	6	
12		M6042200005	Fuel house Φ7XΦ13X800	1	
13		M6042200006	Fuel house Φ7XΦ13X1000	1	
14	69141179	BS31020306	Oil-water separator	1	发动机自带
15	69044544	M6042200002	Fuel house Φ7XΦ13X340	1	
16	69001925	M3032200001	Rubber cushion ass'y	1	
17	69012268	M6042202000	Breather plug Z1/8"	1	
18	69000353	JB/T982-12	Combination seal gasket 12	1	
19	69024542	10A22Q-00001	Oil-water separator connector	1	
20	69141180	M60422DF-00000-4	Fuel lift pump clamp	2	发动机自带
21	69141181	BS31020498	Fuel lift pump	1	发动机自带
22	69080073	M60422DF-00001	Fuel lift pump bracket	1	

图5-5/Fig. 5-5

气瓶及安装/GAS TANK MOUN

FL50-70T-MWE3

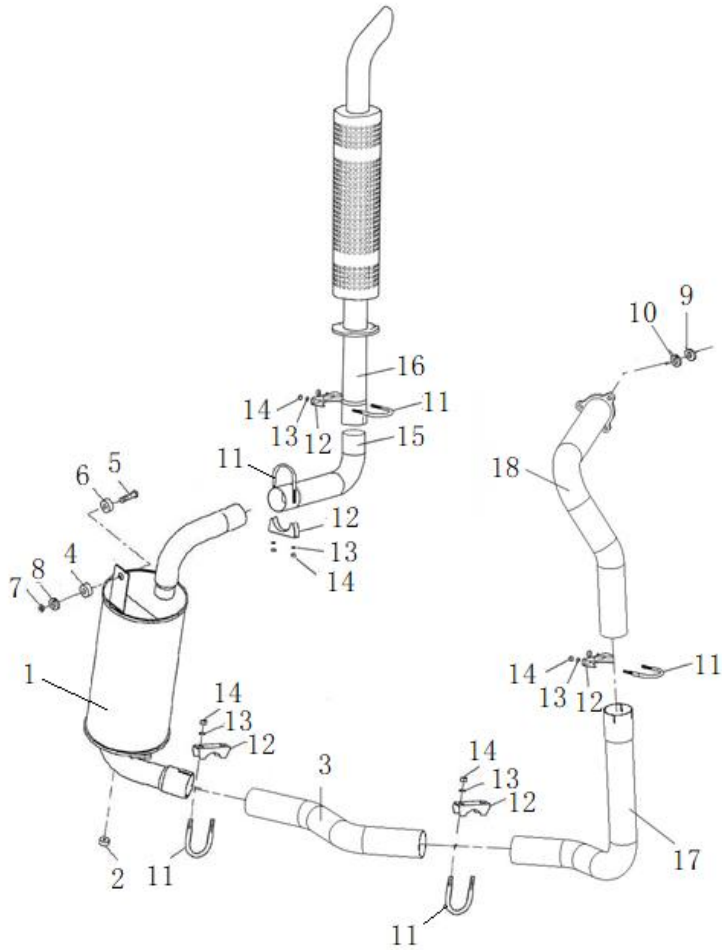


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69001520	M30670N03000	LPG tank	1	
2	69100636	M30672N06000	H.P. hose	1	
3	69067346	M30672N03000	Tee connector	1	
4	69123799	M30672N05000	Hose	1	
6	69023413	GB/T5782-M12*65-8.8J	Bolt M12x65	3	
7	69000054	GB/T93-12	Washer 12	3	
8	69000251	GB/T97.1-12	Washer 12	3	
9	69136715	M30670N00002	Sleeve(up)	2	
10	69007098	M30670N00001	Rubber pad	2	
11	69003153	M30670N01000	Gas tank bracket ass'y	1	
12	69000053	GB/T93-10	Washer 10	3	
13	69000125	GB/T5783-M10*25-8.8J	Bolt M10x25	1	
14	69000103	GB/T6170-M10-8J	Nut M10	4	
15		GB/T819.2-M10*50-8.8J	Bolt M10x50	4	
16	69136714	M30670N00003	Sleeve(down)	2	

图6-1/Fig. 6-1

排气装置及安装/EXHAUST SYSTEM

FD50-70T-MWJ2/MWJ3

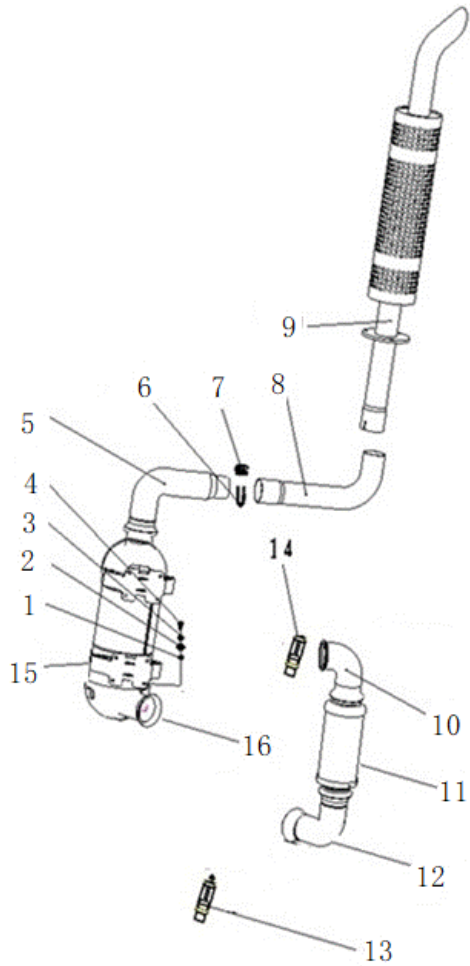


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69012476	60423S-01000	Muffler ass'y	1	
-	69040407	60423S-01000/K	Muffler ass'y	1	选配 颗粒净化
2	69055751	M60D23G-00004	Rubber pad	1	
3	69012479	60423S-04000	Exhaust pipe C	1	
4	69001992	M3032300002	Rubber pad	1	
5	69011861	GB/T5782-M10*55	Bolt M10x55	1	
6	69000250	GB/T97.1-10	Washer 10	1	
7	69000290	GB/T889.1-M10-8J	Nut M10	1	
8	69006706	GB/T96.1-10	Washer 10	1	
9	69000103	GB/T6170-M10-8J	Nut M10	3	
10	69000053	GB/T93-10	Washer 10	3	
11	69015905	M6042300001	U-bolt	5	
12	69015907	M6042300002	Stopper	5	
13	69000062	GB/T93-8	Washer 8	10	
14	69000112	GB/T6170-M8-8J	Nut M8	10	
15	69012671	M6042303000	Connecting pipe	1	
16	69005713	M6042304000	Vertical exhaust pipe ass'y	1	
17	69012478	60423S-03000	Exhaust pipe B	1	
18	69012477	60423S-02000	Exhaust pipe A	1	

图6-2/ Fig. 6-2

排气装置及安装/EXHAUST SYSTEM

FD50-70T-MW(3)3

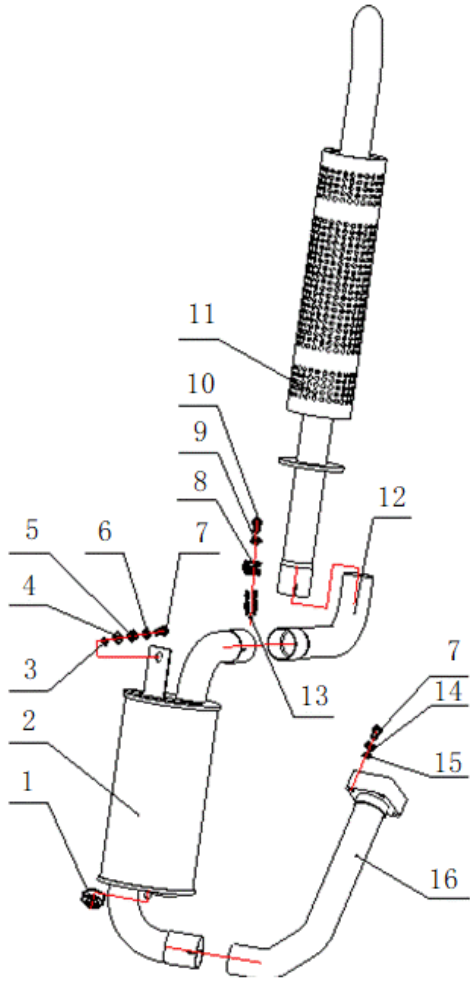


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000112	GB/T6170-M8-8J	Nut M8	12	
2	69000259	GB/T97.1-8	Washer 8	8	
3	69000062	GB/T93-8	Washer 8	12	
4	69000206	GB/T5783-M8*40-8.8J	Bolt M8x40	8	
5	69107771	M60423DF-03000A	Exhaust pipe III	1	
6	69015905	M6042300001	U-Bolt	2	
7	69015907	M6042300002	Stopper	2	
8	69012671	M6042303000	Connecting pipe	1	
9	69005713	M6042304000	Vertical exhaust pipe ass'y	1	
10	69076548	M60423DF-01000	Exhaust pipe I	1	
11	69141182	M60423DF-00000-1	Compensator	1	发动机自带
12	69076549	M60423DF-02000	Exhaust pipe II	1	
13	69141183	M60423DF-00000-2	Clamp 1	1	发动机自带
14	69141184	M60423DF-00000-3	Clamp 2	5	发动机自带
15	69141185	M60423DF-00000-4	DOC (Diesel Oxidation Catalyst)	1	发动机自带
16	69141186	M60423DF-00000-5	DOC Holder	2	发动机自带

图6-3/ Fig. 6-3

排气装置及安装/EXHAUST SYSTEM

FD50-100T-MG(4)2/MG(4)3、FD120T-MG(11)3

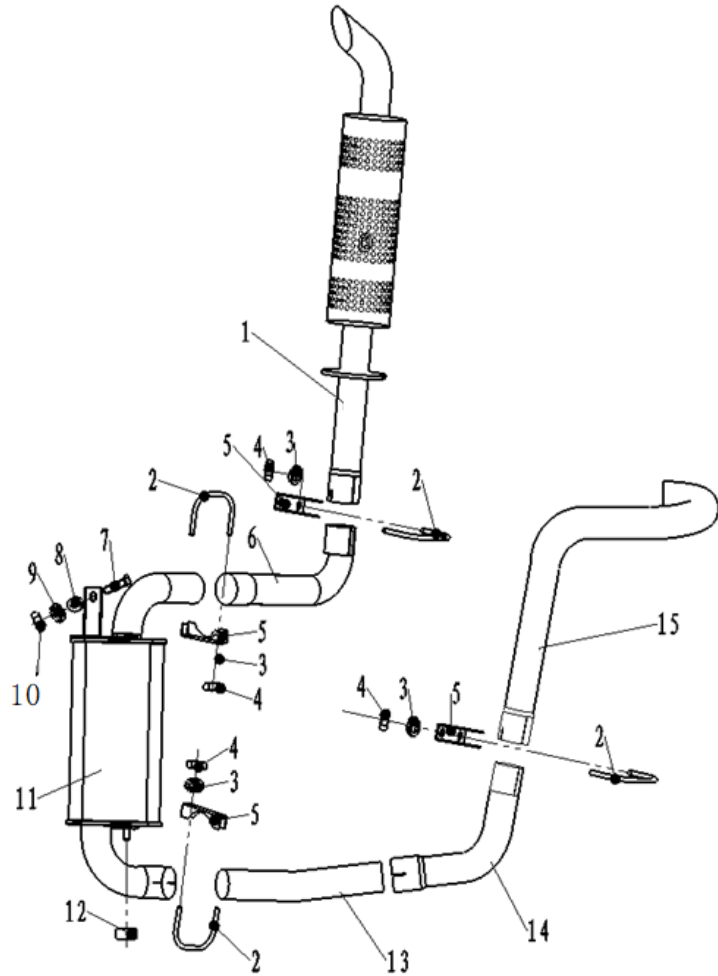


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69001850	M3032100009	Rubber pad A	1	
2	69057207	M6042301000A	Muffler ass'y	1	
-	69141187	M6042301000A/K	Muffler ass'y	1	选配 颗粒净化
3	69000290	GB/T889.1-M10-8J	Nut M10	1	
4	69006706	GB/T96.1-10	Washer 10	1	
5	69001992	M3032300002	Rubber pad	1	
6	69000250	GB/T97.1-10	Washer 10	1	
7	69011861	GB/T5782-M10*55	Bolt M10x55	5	
8	69015907	M6042300002	Stopper	3	
9	69000062	GB/T93-8	Washer 8	8	
10	69000112	GB/T6170-M8-8J	Nut M8	6	
11	69005713	M6042304000	Vertical exhaust pipe ass'y	1	
12	69012671	M6042303000	Connecting pipe	1	
13	69015905	M6042300001	U-Bolt	3	
14	69000053	GB/T93-10	Washer 10	4	
15	69000103	GB/T6170-M10-8J	Nut M10	4	
16	69076938	M60423CT-00001	Exhaust pipe	1	5-7T
-	69077839	10A23CT-01000	Exhaust pipe	1	8-10T
-	69077851	12A23XCT-01000	Exhaust pipe	1	x12T

图6-4/Fig. 6-4

排气装置及安装/EXHAUST SYSTEM

FD50-100T-MWL3、FD120T-MXWQ3

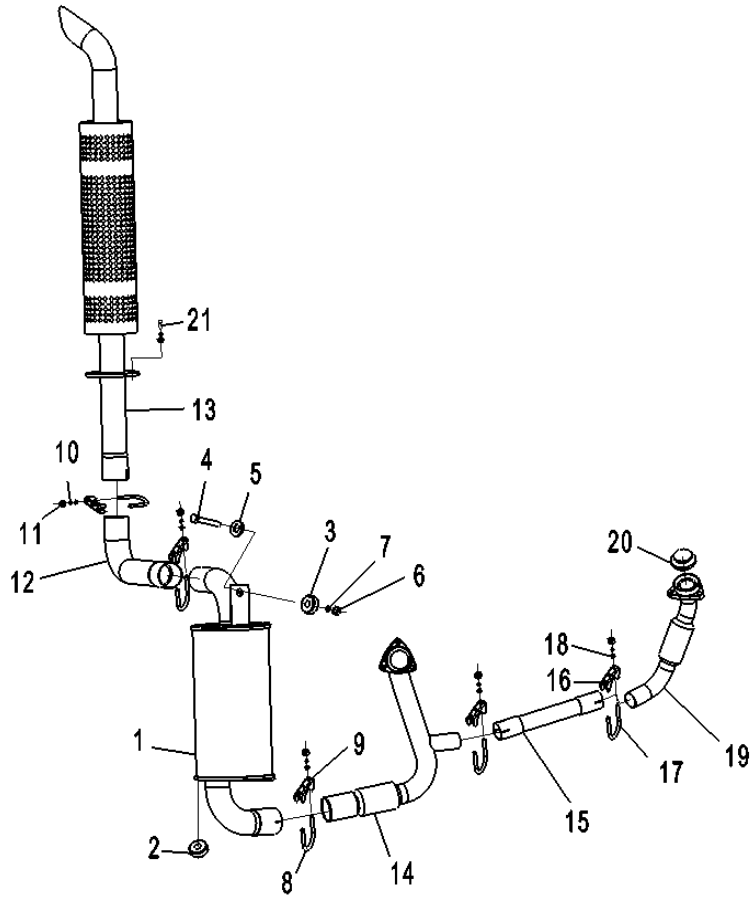


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69005713	M6042304000	Vertical exhaust pipe ass'y	1	
2	69015905	M6042300001	U-Bolt	5	
3	69000062	GB/T93-8	Washer 8	10	
4	69000112	GB/T6170-M8-8J	Nut M8	10	
5	69015907	M6042300002	Stopper	5	
6	69012671	M6042303000	Connecting pipe	1	
7	69011861	GB/T5782-M10*55	Bolt M10x55	1	
8	69001992	M3032300002	Rubber pad	1	
9	69000250	GB/T97.1-10	Washer 10	1	
10	69000290	GB/T889.1-M10-8J	Nut M10	1	
11	69057207	M6042301000A	Muffler ass'y	1	
	69141187	M6042301000A/K	Muffler ass'y	1	选配 颗粒净化
12	69055751	M60D23G-00004	Rubber pad	1	
13	69046270	10A23Q-04000	Exhaust pipe C	1	
14	69046268	10A23Q-03000	Exhaust pipe B	1	
15	69024543	10A23Q-01000	Exhaust pipe A	1	

图6-5/ Fig. 6-5

排气装置及安装/EXHAUST SYSTEM

FL50-70T-MWE3

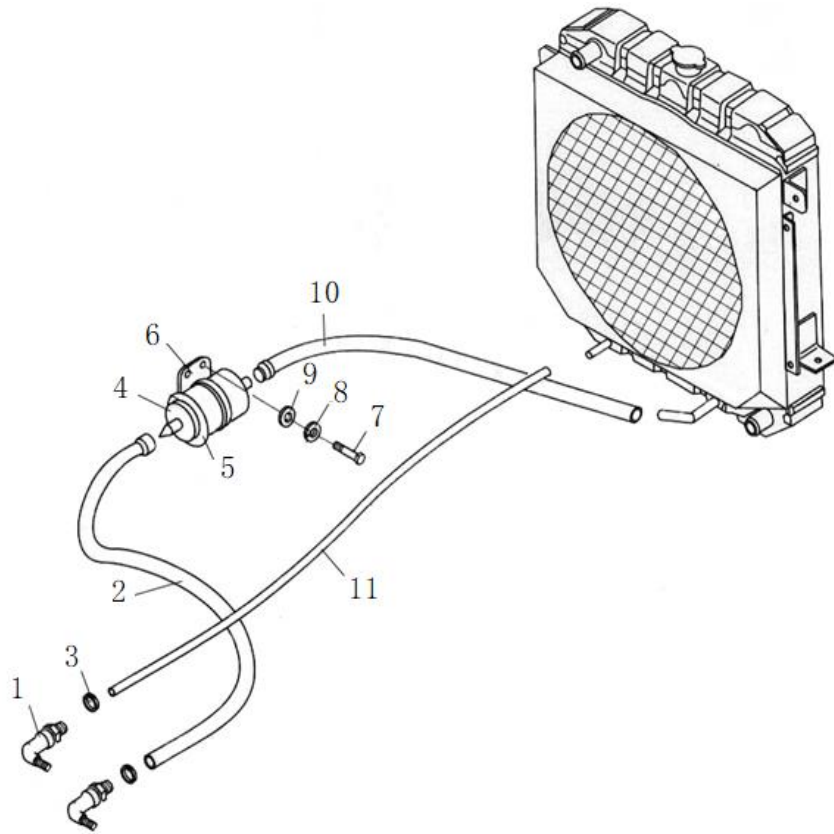


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69057207	M6042301000A	Muffler ass'y	1	
2	69055751	M60D23G-00004	Rubber pad	1	
3	69001992	M3032300002	Rubber pad	1	
4	69011861	GB/T5782-M10*55	Bolt M10x55	1	
5	69000250	GB/T97.1-10	Washer 10	1	
6	69000290	GB/T889.1-M10-8J	Nut M10	1	
7	69006706	GB/T96.1-10	Washer 10	1	
8	69015905	M6042300001	U-Bolt II	3	
9	69015907	M6042300002	Stopper	3	
10	69000062	GB/T93-8	Washer 8	10	
11	69000112	GB/T6170-M8-8J	Nut M8	10	
12	69012671	M6042303000	Connecting pipe	1	
13	69005713	M6042304000	Vertical exhaust pipe ass'y	1	
14	69052498	M60D23G-00001	Exhaust pipe I	1	
15	69052499	M60D23G-00002	Exhaust pipe II	1	
16	69015167	M3032300003	Stopper	2	
17	69069037	30S23-00001	U-Bolt	2	
18	69000259	GB/T97.1-8	washer 8	7	
19	69052500	M60D23G-00003	Exhaust pipe III	1	
20	69138294	45D23G-00001	Seal ring	2	发动机自带
21	69000200	GB/T5783-M8*25-8.8J	Bolt M8x25	3	

图7-1/Fig. 7-1

变矩器油冷却系统/TOR-CON OIL COOLING SYSTEM

FD50-100T

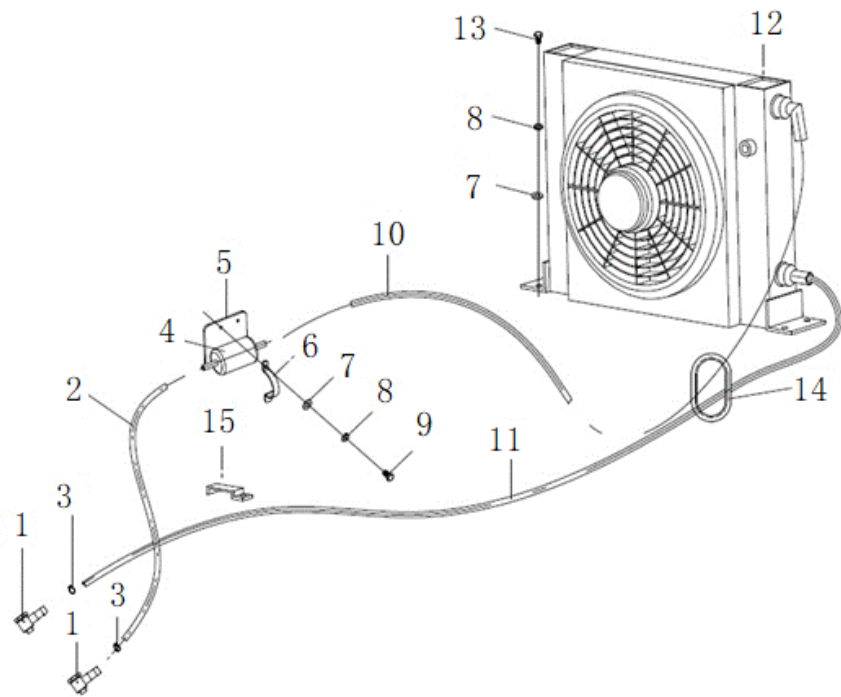


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69022190	M6044701000	Link bolt	2	
2		M6044700003	Hose Φ19x4.5-1050	1	
3	69022337	JB/T8870-20-32	Hoop d32	6	
4	69006688	M6044700002	Hydraulic filter YK0812A	1	
5	69036890	JB/T8870-80-100	Hoop d100	1	
6	69007414	M6044700006	Bracket	1	
7	69039751	GB/T819.1-M8*12-8.8J	Screw M8x12	2	
8	69000062	GB/T93-8	Washer 8	2	
9	69000259	GB/T97.1-8	Washer 8	2	
10		M6044700004	Hose Φ19x4.5-1250	1	
11		M6044700005	Hose Φ19x4.5-1400	1	

图7-2/Fig. 7-2

变压器油冷却系统/TOR-CON OIL COOLING SYSTEM

FD120T

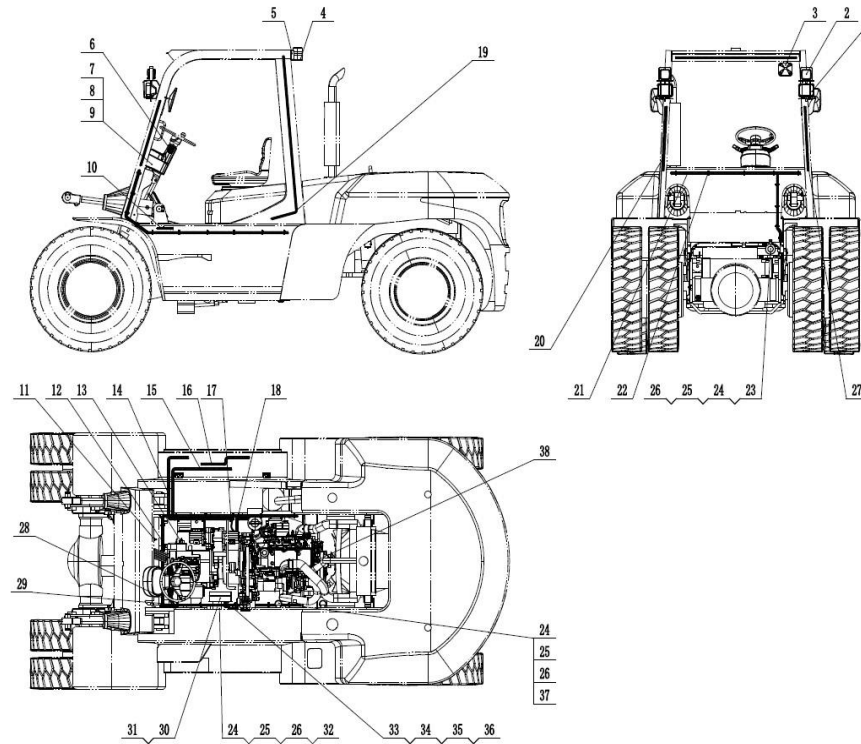


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69022190	M6044701000	Link bolt	2	
2		M6044700003	Hose $\Phi 19 \times 4.5-1050$	1	
3	69022337	JB/T8870-20-32	Hoop d32	6	
4	69006688	M6044700002	Hydraulic filter YK0812A	1	
5	69007414	M6044700006	Bracket	1	
6	69036890	JB/T8870-80-100	Hoop d100	1	
7	69000062	GB/T93-8	Washer 8	9	
8	69000259	GB/T97.1-8	Washer 8	6	
9	69039751	GB/T819.1-M8*12-8.8J	Screw M8x12	2	
10		12A47X-00002	Hose $\Phi 19 \times 4.5-2000$	1	
11		12A47X-00003	Hose $\Phi 19 \times 4.5-2500$	1	
12	69045605	12A47X-01000	Oil cooler	1	
13	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	4	
14	69045965	12A47X-00001	Rubber ring	1	
15	69036938	10A36Q-00002	Pipe clamp	3	

图8-1/ Fig. 8-1

电气系统/ELECTRIC SYSTEM

FD50-70T-MWJ2/MWJ3

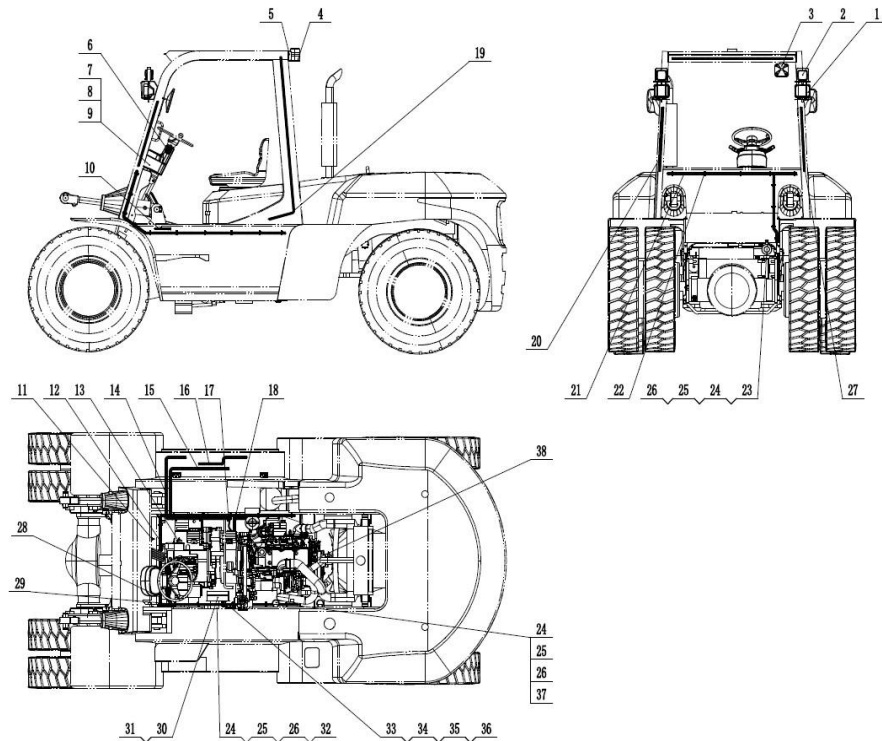


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	NA	60424SA-00000	Electrical system	1	原60424S-00000
1	69000488	60424-00018	Head lamp WD107x84-1B	2	原60324-00018
2	69005942	60424-00019	Double side yellow square lamp Z-QX85x85	2	原60324-00019
3	69016212	60424-00021	Tail lamp WD100x90	1	原60324-00021
4	69009359	A25724-02004	Caution light LTD152	1	
5	69006222	60424-00020	Rear combination lamp XH8-6	2	原60324-00020
6	69032586	30324-00016	Lamp switch TBZHK40	1	原30424-00016
-	69021669	30424-00016	Combination switch TBZHK25	1	原30424-00017
7	69041551	30324-55000-EZ	Combination gauge HZB909YN-MKS	1	原60424-50000
8	69000324	GB/T818-M6*35-4.8J	Bolt M6x35	4	
9	69000083	GB/T96.1-6	Washer 6	4	
10	69000497	A25724-02010	Brake switchJK205	1	原30424-00034
11	69015137	30324-00024	Toggle switch T012D	1	
12	69066974	45424-00036	Oil temperature sensor WG470	1	原60324-00036
13	69004860	60424A-00050	Speed sense organ ZG405	1	原60424-00050
14	69040328	60424PA-06000A	Cable (+)	1	
15	69006346	60424-07000A	Cable (-)	1	
16	69006347	60424-08000A	Battery connect cable	1	
17	69012271	30324-01001	Fuse 50A	1	
18	69041292	U3042401500	Ground cable	1	
19	69020022	60424-05000	Rear light wiring harness	1	
20	69019048	30324-03000	Headlight wiring harness, Left	1	
21	69040327	60424C-02000	Instrument stand wiring harness	1	
22	69000663	U3042400001	Belt clip	按需	
23	69000386	60424-00030	Horn DL-224	1	原60324-00030

图8-1/Fig. 8-1

电气系统/ELECTRIC SYSTEM

FD50-70T-MWJ2/MWJ3

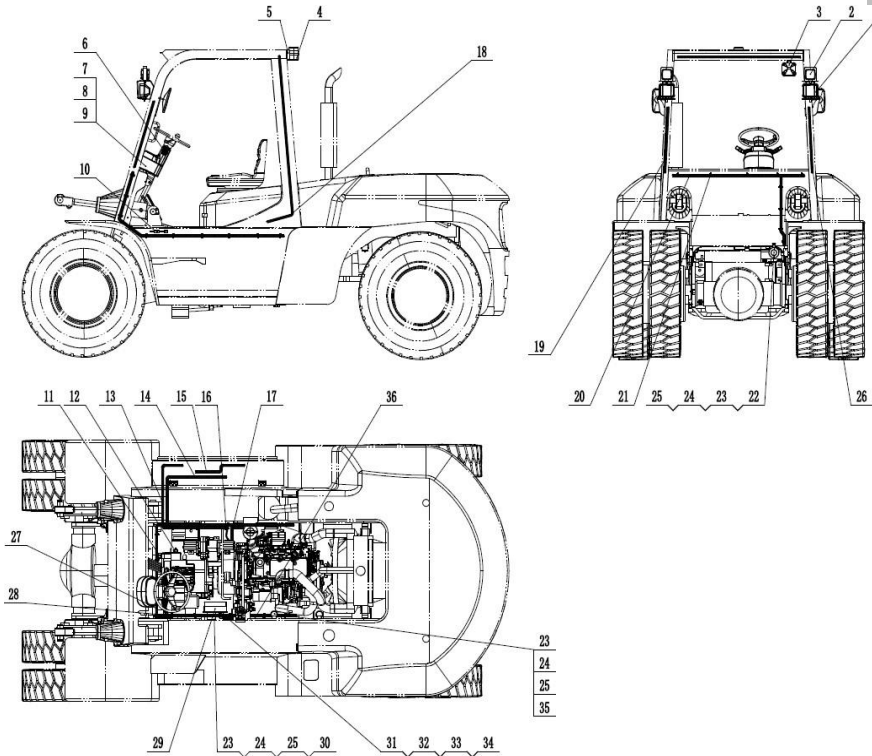


序号 Item No.	物料号 ID.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
24	69000309	GB/T5783-M8*16-8.8J	Bolt M8×16	4	
25	69000259	GB/T97.1-8	Washer 8	4	
26	69000062	GB/T93-8	Washer 8	4	
27	69021907	30324-04000	Headlight wiring harness, Right	1	原60324-04000
28	69014326	60424SA-01000	Engine wiring harness	1	原60424S-01000
29	69095506	30355M-00002	Belt clip	按需	
30	69008022	60424C-09000	Electric box	1	原60324-09000
31	69006021	GB/T818-M6*25-4.8J	Bolt M6×25	4	
32	69008505	M60424Z02003	Electric box bracket	1	
33	69014672	60424A-00051	Shift control box SD298B-MKS	1	
34	69039911	GB/T41-M6	Nut M6	2	
35	69000258	GB/T97.1-6	Washer 6	2	
36	69000060	GB/T93-6	Washer 6	2	
37	69006389	60424-00035	Reversing buzzer DJB-24B	1	
38	69001847	U30424LS02002	Water temperature sensor WG430	1	

图8-2/ Fig. 8-2

电气系统 / ELECTRIC SYSTEM

FD50-70T-MW (3) 3

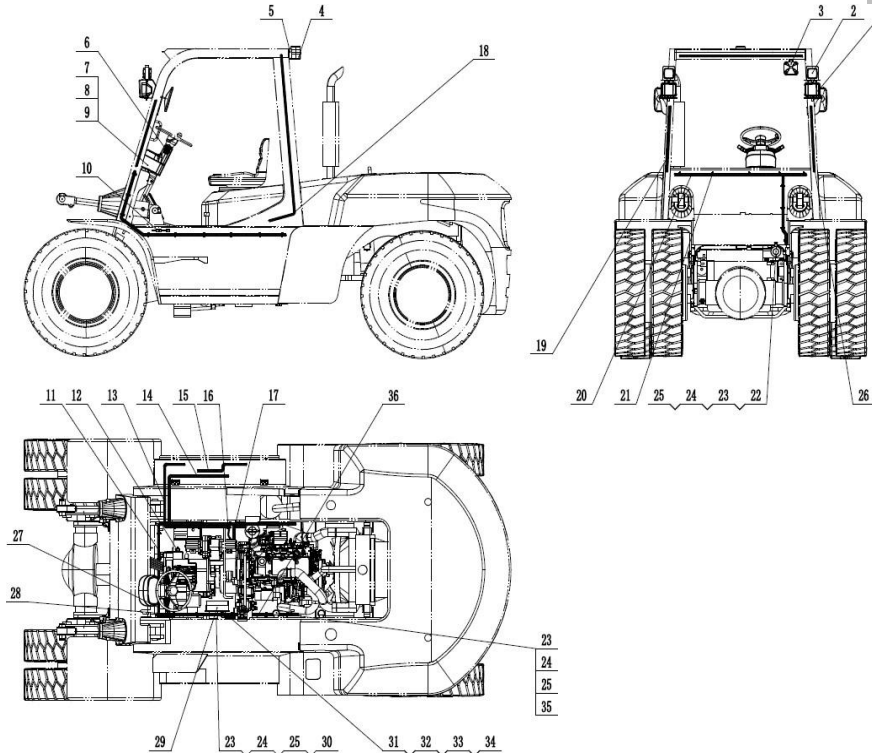


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	NA	M60424DF-00000	Electrical system		
1	69000488	60424-00018	Head lamp WD107x84-1B	2	
2	69005942	60424-00019	Double side yellow square lamp Z-QX85x85 24V	2	
3	69016212	60424-00021	Real work lamp WD100x90	1	
4	69009359	A25724-02004	Caution light LTD152	1	
5	69006222	60424-00020	Rear combination lamp XH8-66 24V	2	
6	69021669	30424-00016	Combination switch TBZHK25	1	
7	69057582	M60424QF-50000	Display HZB908CAN-MKS	1	
8	69000324	GB/T818-M6*35-4.8J	Bolt M6x35	4	
9	69000083	GB/T96.1-6	Washer 6	4	
10	69000497	A25724-02010	Brake switch JK205	1	
11	69010630	60424-00036	Oil temperation sensor WG411	1	
12	69004860	60424A-00050	Speed sensor ZG405	1	
13	69040328	60424PA-06000A	Battery cable(+)	1	
14	69006346	60424-07000A	Battery cable(-)	1	
15	69006347	60424-08000A	Battery connect cable	1	
16	69012271	30324-01001	Fuse 50A	1	
17	69041292	U3042401500	Grounding wire	1	
18	69020022	60424-05000	Rear light wiring harness	1	
19	69021907	30324-04000	Headlight wiring harness, Right	1	
20	69077195	M60424DF-02000	Display wiring harness	1	
21	69095506	30355M-00002	Cable tie	按需	
22	69000386	60424-00030	Horn DL-224	1	
23	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	4	
24	69000259	GB/T97.1-8	Washer 8	4	

图8-2/ Fig. 8-2

电气系统 / ELECTRIC SYSTEM

FD50-70T-MW (3) 3

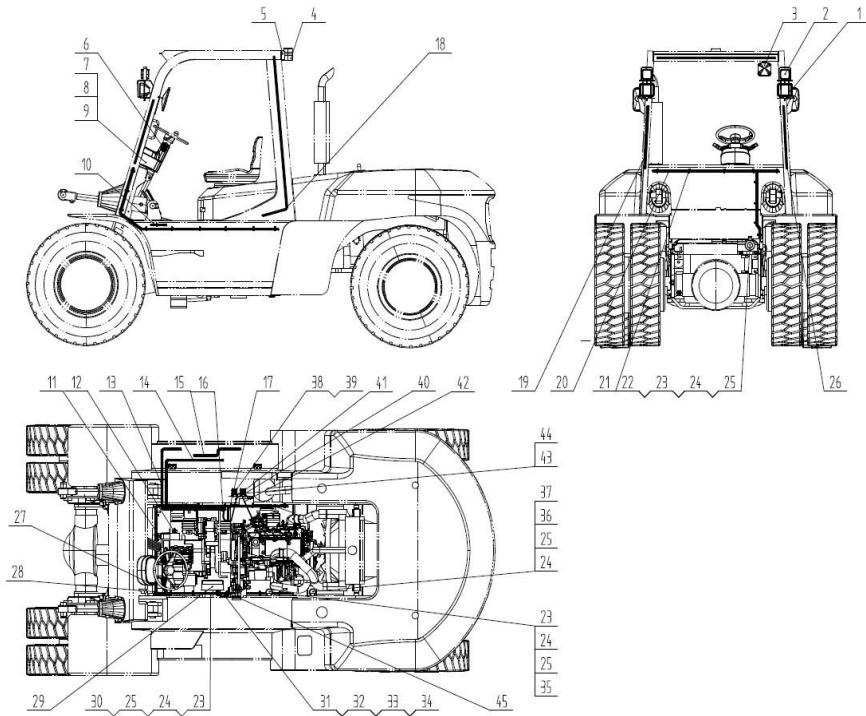


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69000062	GB/T93-8	Washer 8	4	
26	69019048	30324-03000	Headlight wiring harness, Left	1	
27	69077196	M60424DF-01000	Main wiring harness	1	
28	69000663	U3042400001	Cable tie	按需	
29	69077194	M60424DF-09000A	Electrical box	1	
30	69008505	M60424Z02003	Electric box bracket	1	
31	69014672	60424A-00051	Speed control box SD298B-MKS	1	
32	69039911	GB/T41-M6	Nut M6	2	
33	69000258	GB/T97.1-6	Washer 6	2	
34	69000060	GB/T93-6	Washer 6	2	
35	69006389	60424-00035	Reversing buzzer DJB-24B	1	
36		M60424DF-00001	ECU (TCD3.6)	1	发动机自带

图8-3/ Fig. 8-3

电气系统 / ELECTRIC SYSTEM

FD50-100T-MG(4)2/MG(4)3、FD120T-MG(11)3

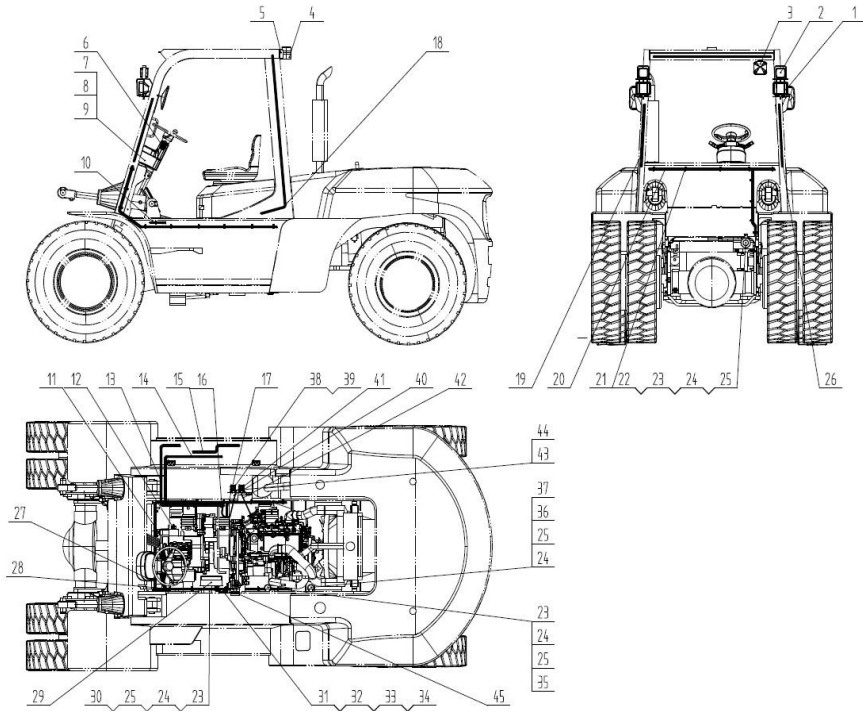


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69077203	M60424CT-00000	Electrical system		
1	69000488	60424-00018	Head lamp	2	
2	69005942	60424-00019	Double side yellow square lamp Z-QX85x85 24V	2	
3	69016212	60424-00021	Work lamp	1	
4	69009359	A25724-02004	Caution light	1	
5	69006222	60424-00020	Rear combination lamp	2	
6	69021669	30424-00016	Combination switch	1	
7	69079850	M60424CT-50000-Z	Display HZB908CCCAN1-MKS	1	
8	69000324	GB/T818-M6*35-4.8J	Bolt M6x35	4	
9	69000083	GB/T96.1-6	Washer 6	4	
10	69000497	A25724-02010	Brake switch K205	1	
11	69010630	60424-00036	Oil temperation sensor WG411	1	
12	69004860	60424A-00050	Speed sensor ZG405	1	
13	69006344	60424-06000A	Battery cable(+)	1	
14	69006346	60424-07000A	Battery cable(-)	1	
15	69006347	60424-08000A	Battery connect cable	1	
16	69012271	30324-01001	Fuse	1	
17	69041292	U3042401500	Grounding wire	1	
18	69020022	60424-05000	Rear light wiring harness	1	
19	69021907	30324-04000	Headlight wiring harness, Right	1	
20	69077197	M60424CT-02000	Display wiring harness	1	
21	69095506	30355M-00002	Cable tie	按需	
22	69000386	60424-00030	Horn	1	
23	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
24	69000259	GB/T97.1-8	Washer 8	3	

图8-3/ Fig. 8-3

电气系统 / ELECTRIC SYSTEM

FD50-100T-MG(4)2/MG(4)3、FD120T-MG(11)3

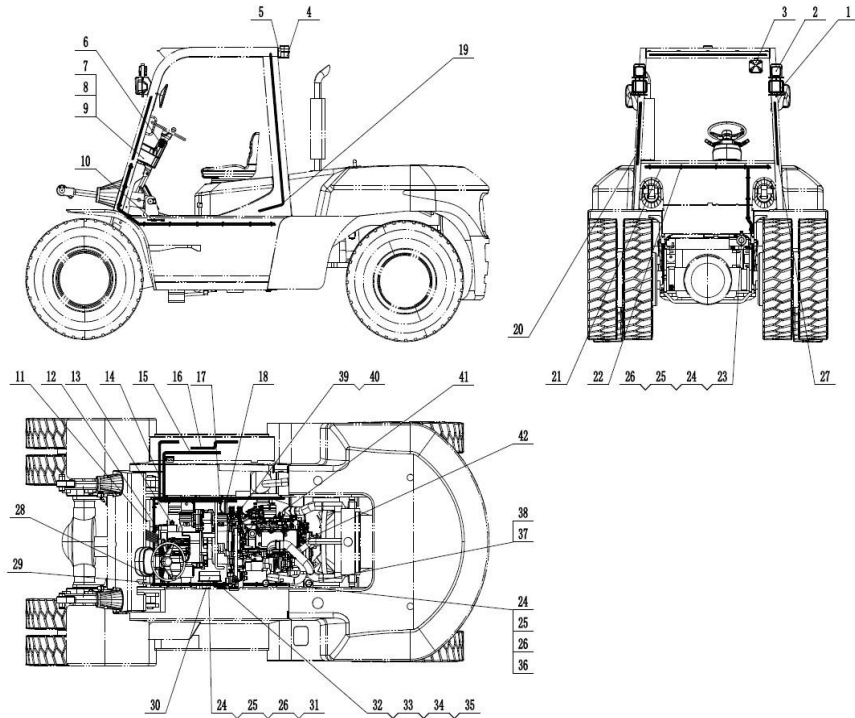


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69000062	GB/T93-8	Washer8	3	
26	69019048	30324-03000	Headlight wiring harness. Left	1	
27	69077198	M60424CT-01000	Main wiring harness	1	
28	69000663	U3042400001	Cable tie	按需	
29	69077199	M60424CT-09000	Electrical box	1	
30	69023732	M6042401007	Electric box bracket	1	
31	69014672	60424A-00051	Speed control box	1	
32	69039911	GB/T41-M6	Nut M6	2	
33	69000258	GB/T97.1-6	Washer 6	2	
34	69000060	GB/T93-6	Washer 6	2	
35	69006390	60424-00041	Vacuum alarm JG012	1	8T-10T
36	69006389	60424-00035	Reverse Relay	1	
37	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	1	
38	69043506	16A24-00001	Contact holder	1	
39	69023252	16A24-00005	Contact	2	
40	69057580	M60424QF-01700	Preheat wire	1	
41	69078118	M60424CT-01600	Preheat wire	1	
42	69078119	M60424CT-01800	Preheat wire	1	
43	69018726	16A24-00006	Preheat fuse	1	
44	69025284	16A24-00007	Fuse holder	1	
45	69141147	6BG132.43.03	ECU	1	

图8-4/ Fig. 8-4

电气系统 / ELECTRIC SYSTEM

FD50-120T-MXWQ3

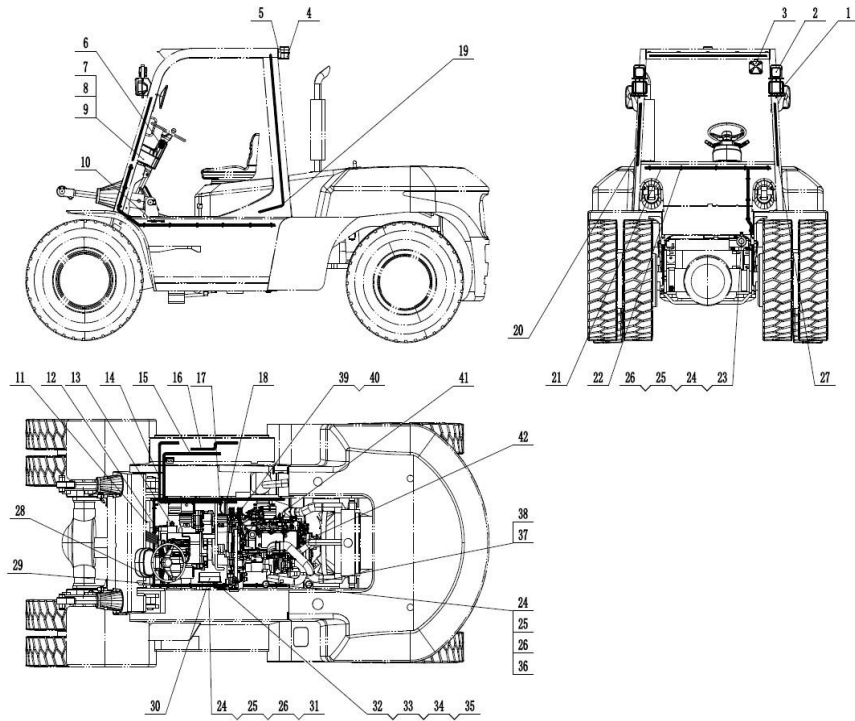


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	NA	M60424Q-00000	Electrical system		
B	69041287	12A24X-00000-1	Electrical system		8T-12T
1	69000488	60424-00018	Head lamp	2	
2	69005942	60424-00019	Double side yellow square lamp Z-QX85x85 24V	2	
3	69016212	60424-00021	Work lamp	1	
4	69009359	A25724-02004	Caution light	1	
5	69006222	60424-00020	Rear combination lamp	2	
6	69021669	30424-00016	Combination switch	1	
7	69025318	10A24Q-50000-E	Display HZB908W8-MKS	1	
8	69000324	GB/T818-M6*35-4.8J	Bolt M6x35	4	
9	69000083	GB/T96.1-6	Washer 6	4	
10	69000497	A25724-02010	Brake switch K205	1	
11	69015137	30324-00024	Mode switch	1	
12	69010630	60424-00036	Oil temperature sensor WG411	1	
13	69004860	60424A-00050	Speed sensor ZG405	1	
14	69006344	60424-06000A	Battery cable(+)	1	
15	69006346	60424-07000A	Battery cable(-)	1	
16	69006347	60424-08000A	Battery connect cable	1	
17	69012271	30324-01001	Fuse	1	
18	69041292	U3042401500	Grounding wire	1	
19	69020022	60424-05000	Rear light wiring harness	1	
20	69021907	30324-04000	Headlight wiring harness, Right	1	
21	69041291	12A24X-01200	Display wiring harness	1	
22	69095506	30355M-00002	Cable tie	按需	
23	69000386	60424-00030	Horn	1	

图8-4/ Fig. 8-4

电气系统 / ELECTRIC SYSTEM

FD50-120T-MXWQ3

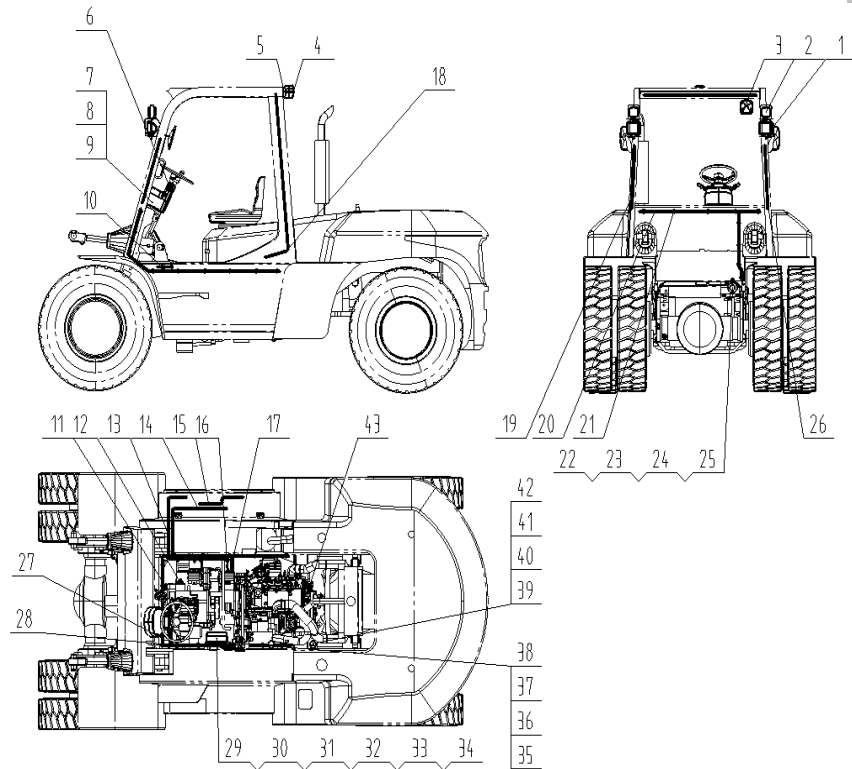


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
25	69000259	GB/T97.1-8	Washer 8	3	
26	69000062	GB/T93-8	Washer8	3	
27	69019048	30324-03000	Headlight wiring harness, Left	1	
28	69041289	12A24X-01100	Main wiring harness	1	
29	69000663	U3042400001	Cable tie	按需	
30	69041299	12A24X-09100	Electrical box	1	
31	69008505	M60424Z02003	Electric box bracket	1	
32	69014672	60424A-00051	Speed control box	1	
33	69039911	GB/T41-M6	Nut M6	2	
34	69000258	GB/T97.1-6	Washer 6	2	
35	69000060	GB/T93-6	Washer 6	2	
36	69006390	60424-00041	Vacuum alarm JG012	1	8T-12T
37	69006389	60424-00035	Reverse Relay	1	
38	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	1	
39	69043506	16A24-00001	Contactora holder	1	
40	69023252	16A24-00005	Contactora	2	
41	69008395	60424C-00037	Oil pressure switch YG411	1	
42	69045273	12A24X-03001	temperation sensor WG420	1	8T-12T

图8-5/ Fig. 8-5

电气系统 / ELECTRIC SYSTEM

FL50-70T-MWE3

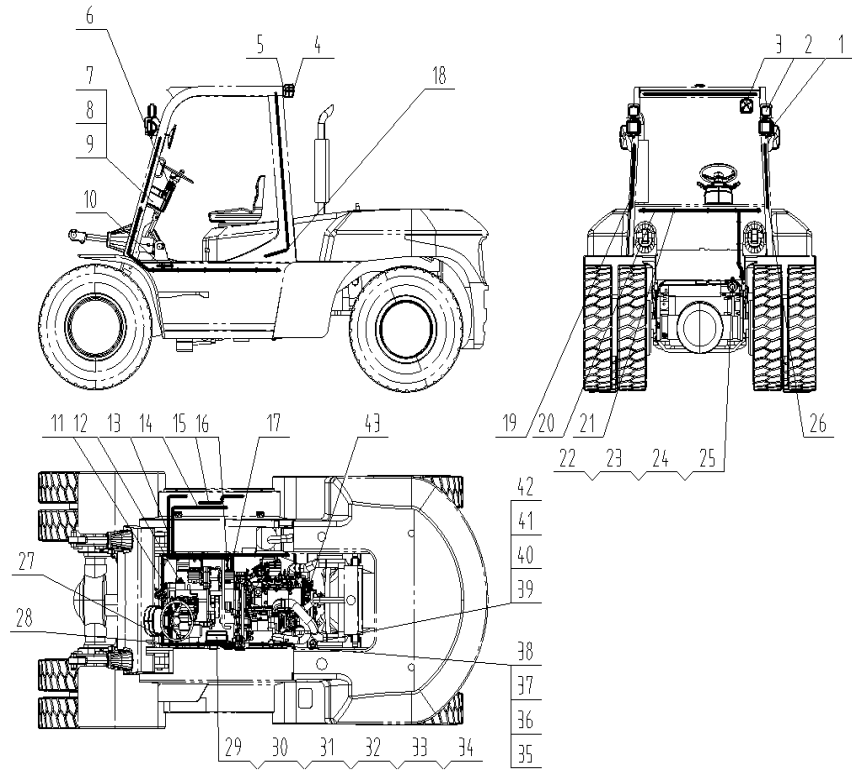


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	NA	M60D24G-00000	Electrical system	1	
1	69000489	30324-00018	Head lamp WD107x84-1B	2	
2	69000504	30324-00019	Double side yellow square lamp Z-QX85x85 24V	2	
3	69000451	30324-00021	Tail lamp WD100x90	1	
4	69009359	A25724-02004	Caution light LTD152	1	
5	69052665	M60D24G-00020	Rear combination lamp Z-HXF220x55	2	
6	69032586	30324-00016	Lamp switch TBZHK40	1	原图号30424-00016
-	69021669	30424-00016	Combination switch TBZHK25	1	原图号30424-00017
7	69002954	60424-51000	Display HZB908B-MKS	1	原图号60424-50000
8	69000324	GB/T818-M6*35-4.8J	Bolt M6x35	4	
9	69000083	GB/T96.1-6	Washer 6	4	
10	69000497	A25724-02010	Brake switch JK205	1	原图号30424-00034
11	69015137	30324-00024	Toggle switch T012D	1	
12	69010630	60424-00036	Oil temperature sensor WG411	1	原图号60324-00036
13	69004860	60424A-00050	Speed sense ZG405	1	原图号60424-00050
14	69040328	60424PA-06000A	Cable (+)	1	
15	69006346	60424-07000A	Cable (-)	1	
16	69012271	30324-01001	Fuse 50A	1	
17	69041292	U3042401500	Ground cable	1	
18	69020022	60424-05000	Reallight wiring harness	1	原图号60324-05000
19	69021907	30324-04000	Headlight wiring harness, Right	1	原图号60324-04000
20	69040327	60424C-02000	Wiring	1	原图号60324-02000
21	69000663	U3042400001	Belt clip	按需	
22	69006074	A25724-02005	Horn DL-124	1	
23	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	1	

图8-5/ Fig. 8-5

电气系统 / ELECTRIC SYSTEM

FL50-70T-MWE3



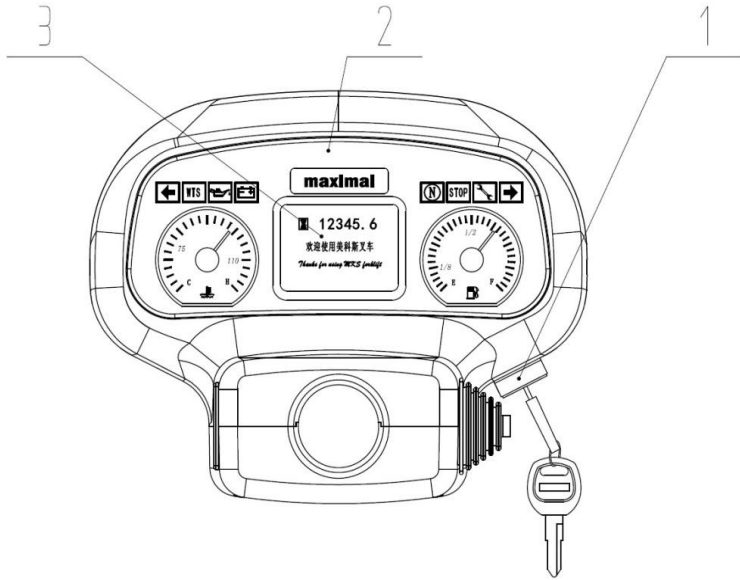
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69000259	GB/T97.1-8	Washer 8	1	
25	69000062	GB/T93-8	Washer 8	1	
26	69019048	30324-03000	Headlight wiring harness, Left	1	原图号60324-03000
27	69052664	M60D24G-01000	Engine wiring harness	1	
28	69095506	30355M-00002	Belt clip	按需	
29	69000388	30324-09000	Electric box	1	
30	69006021	GB/T818-M6*25-4.8J	Bolt M6x25	4	
31	69008505	M60424Z02003	Electric box bracket	1	
32	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
33	69000259	GB/T97.1-8	Washer 8	2	
34	69000062	GB/T93-8	Washer 8	2	
35	69031063	A30424-07200	Shift control boxDH1986-MKS	1	
36	69039911	GB/T41-M6	Nut M6	2	
37	69000258	GB/T97.1-6	Washer 6	2	
38	69000060	GB/T93-6	Washer 6	2	
39	69000379	A25724-02006	Reversing buzzer DJB-24B	1	
40	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	1	
41	69000259	GB/T97.1-8	Washer 8	1	
42	69000062	GB/T93-8	Washer 8	1	
43	69085012	30424-00036	Water temperature sensor WG408	1	

图8-6/ Fig. 8-6

HZB908-MKS型组合仪表 / COMBINATION METER HZB908-MKS TYPE

FD50-70T-MWJ2/MWJ3、FD50/60/70(T)-MW(3)3

FD50-100T-MG(4)2/MG(4)3、FL50/60/70T-MWE3、FD120T-MG(11)3

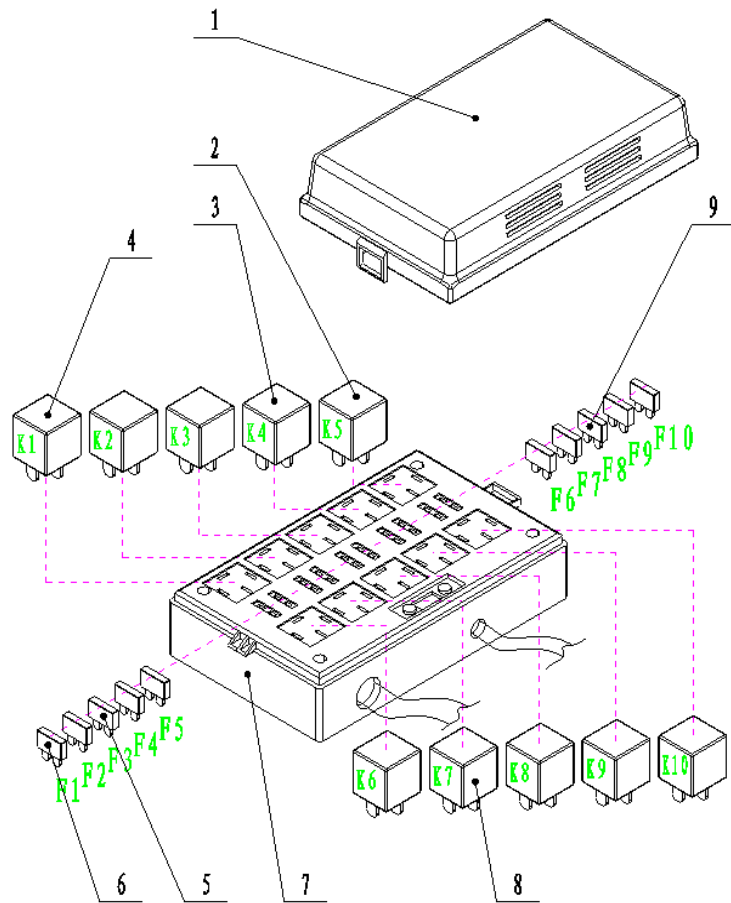


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69036620	60424-50000	Combination gauge HZB908A-MKS	1	
-	69002954	60424-51000	Combination gauge HZB908B-MKS	1	
-	69025318	10A24Q-50000-E	Combination gauge HZB908CAN-MKS	1	
-	69079366	M60424CT-50000	Combination gauge HZB908CT-MKS	1	
-	69057582	M60424QF-50000	Combination gauge HZB908DF-MKS	1	
1	69004244	JK406C	Key switch	1	
2		30324-55200	Gauge shell	1	
3	NA	60424-50100	Gauge core	1	NSS
-	NA	60424-51100	Gauge core	1	NSS
-	NA	10A24Q-50100	Gauge core	1	NSS
-	NA	M60424CT-50100	Gauge core	1	NSS
-	NA	M60424DF-50100	Gauge core	1	NSS

图8-7/Fig8-7.

电器盒 / ELECTRIC BOX

FD50-70T-MWJ2/MWJ3

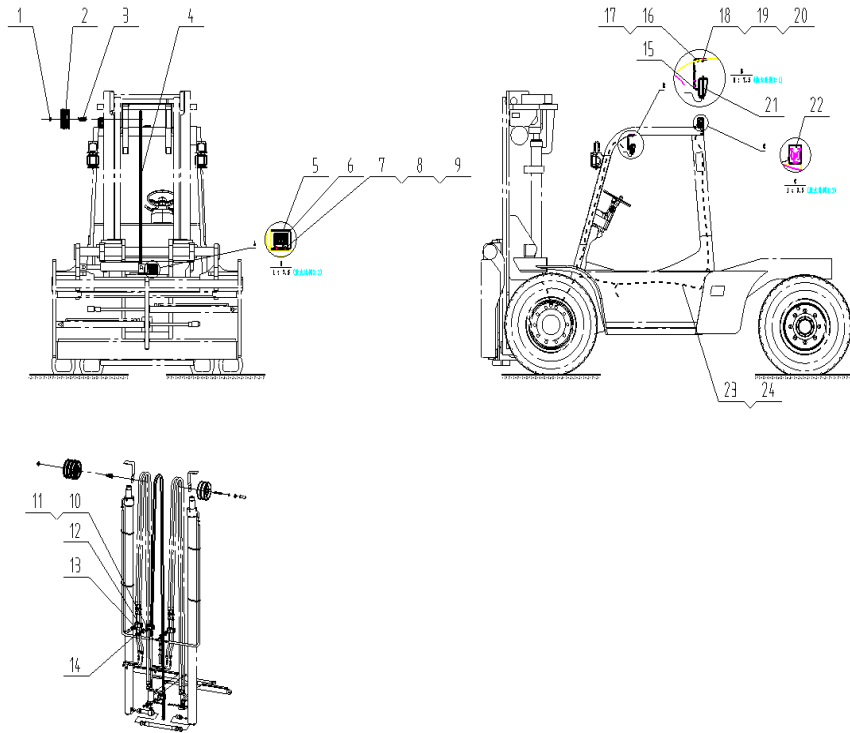


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69008022	60424C-09000	Electric box	1	原60324-09000
1	69119798	30324-09001	Electric box cover	1	
2		60424-09400	Flasher SGQ-254	1	
3	69136486	60324-09004	Timer	1	
4	69004309	NVF4-3A-Z50a/24V	Relay	5-8	
5		30324-09700	15A Fuse	4	
6		30324-09800	30A Fuse	2	
7	69119799	30324-09100	Electric box seat	1	
8	69004309	NVF4-3A-Z50a/24V	Caution light relay	1	
9		30324-09600	10A Fuse	2-4	

图8-8/Fig. 8-8

双路视频系统 / ELECTRIC SYSTEM

FD120T-MXWQ3

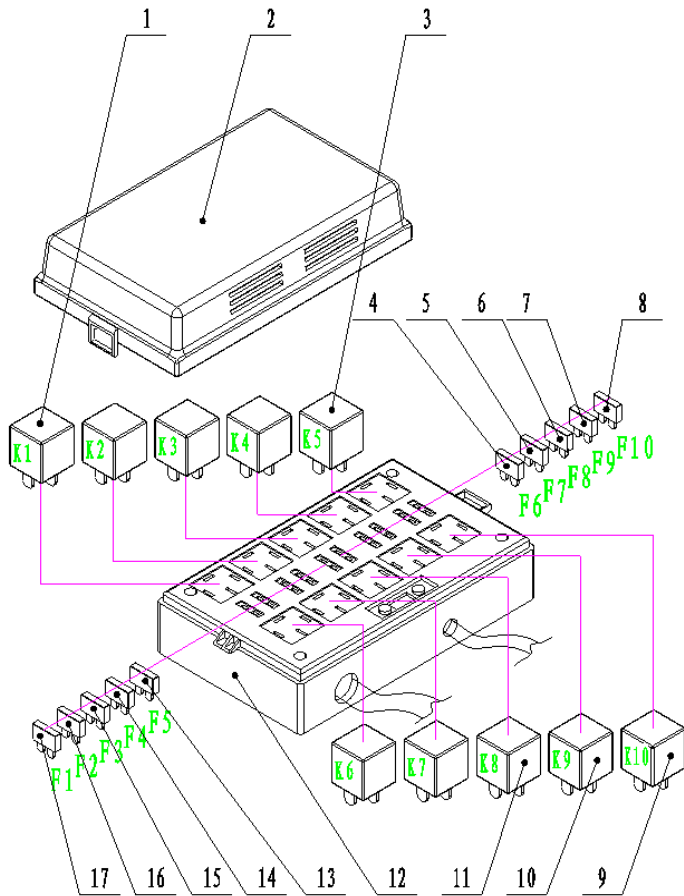


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000579	30386S-00004(8)	Sleeve	1	
2	69043576	12A28X-00001	Pulley	1	
3	69016660	30386S-00003	Step bolt	1	
4	69028663	LS28663	Grounding wire	1	
5	69043586	12A28X-02001	Camera bracket	1	
6	69038065	16A28-02000	Camera	2	
7	69041297	GB/T70.1-M5*8	Bolt M5*8	9	
8	69000257	GB/T97.1-5	Washer 5	9	
9	69000059	GB/T93-5	Washer 5	9	
10	69008599	60486S-00001/B	Clip	2	
11	69129506	30728 II -01001	Φ12×4 Rubber gasket	2	
12	69000259	GB/T97.1-8	Washer 8	4	
13	69000062	GB/T93-8	Washer 8	4	
14	69000217	GB/T5783-M8*55-8.8J	Bolt M8*55	4	
15	69038064	16A28-03000	Display seat	1	
16	69043588	12A28X-01001	Display bracket	1	
17	69015911	LS15911	3mm Rubber gasket	1	
18	69000189	GB/T5783-M6*12-8.8J	Bolt M6*12	2	
19	69000258	GB/T97.1-6	Washer 6	2	
20	69000060	GB/T93-6	Washer 6	2	
21	69024026	16A28-01000	Display ass'y	1	
22	69043602	12A28X-02002	Camera bracket	1	
23	69040879	16A28-04000	Data cable	1	
24	69000663	U3042400001	Cable tie	按需	

图8-9/ Fig. 8-9

电器盒 / ELECTRIC BOX

FD50-100T-MG(4)2/MG(4)3、FD120T-MG(11)3

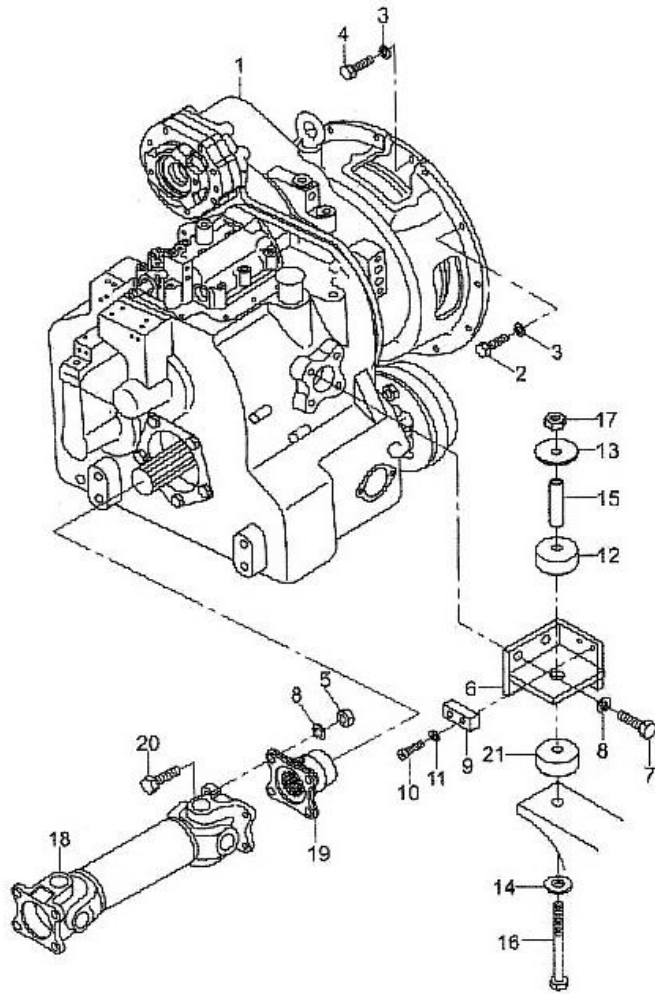


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69077199	M60424CT-09000	Electric box	1	
B	69077801	12A24XCT-09000	Electric box	1	
1	69004309	NVF4-3A-Z50A/24V	Ignite relay	1	
2	NA	12A24X-09102	Electrical box cover	1	NSS
3		60424-09400	Flasher SGQ-254	1	
4		30324-09700	Directional control box fuse 15A	1	
5		30324-09600	Flasher fuse 10A	1	
6		30324-09600	Key switch fuse	1	
7		30324-09900	ECU power Fuse 5A	1	
8		30324-09800	ECU powe Fuse 30A	1	
9	69004309	NVF4-3A-Z50A/24V	Horn Relay	1	
10	69004309	NVF4-3A-Z50a/24V	Reverse Relay	1	
11	69004309	NVF4-3A-Z50a/24V	Work light Relay	1	
12	NA	12A24X-09103	Electrical box seat	1	NSS
13		30324-09700	Horn Fuse 15A	1	
14		30324-09700	Display Fuse 15A	1	
15		30324-09700	Caution light Fuse 15A	1	
16		30324-09800	Cabin power Fuse 30A	1	
17		30324-09800	Work light Fuse 30A	1	

图9-1/Fig. 9-1

传动装置安装/DRIVE UNIT MOUNT (TOR-CON TYPE)

FD50-120T

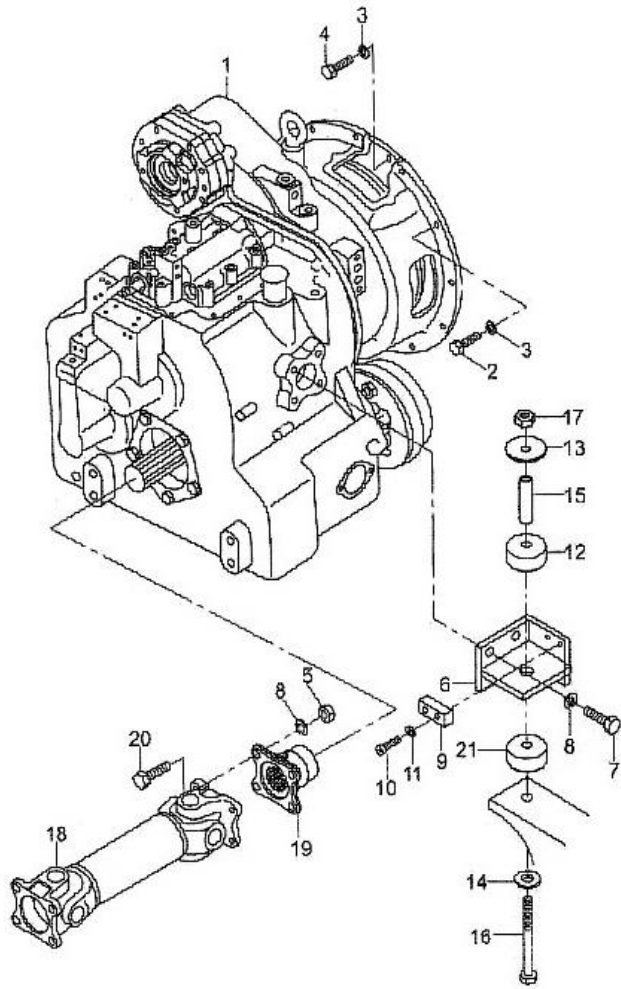


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69004595	M60436A01000	Transmission(Electro-hydraulic)	1	MG(4)3
-	69006301	M6043601000	Transmission(Mechanical-hydraulic)	1	MG(4)2
-	69012184	60436SA-01000	Transmission(Electro-hydraulic)	1	MWJ3
-	69021085	10A36Q-06000	Transmission(Electro-hydraulic)	1	MWL3
-	69040795	12A36X-02000	Transmission(Electro-hydraulic)	1	MXWQ3
-	69076552	M60436DF-01000	Transmission(Electro-hydraulic)	1	MW(3)3
-	69052495	M60D36G-01000	Transmission(Electro-hydraulic)	1	MWE3
-	69066259	12A36XCT-01000	Transmission(Electro-hydraulic)	1	MG(11)3
2	69000128	GB/T5783-M10*30-8.8J	Bolt M10x30	12	
3	69000053	GB/T93-10	Washer 10	22	
4	69000125	GB/T5783-M10*25-8.8J	Bolt M10x25	10	
5	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	8	
6	69007386	M6043603000	Transmission bracket	2	
7	69000184	GB/T5786-M16*1.5*35	Bolt M16x1.5x35	8	
8	69000056	GB/T93-16	Washer 16	16	
9	69007035	M6043600002	Rubber cushion	2	
10	69000102	GB/T818-M6*12-4.8J	Screw M6x12	4	
11	69000258	GB/T97.1-6	Washer 6	4	
12	69141188	M6043604002	Rubber pad	2	
13	69141189	M6043604004	Washer	2	
14	69141190	M6043600001	Washer	2	
15	69141191	M6043604003	Collar	2	
16	69005931	GB/T5782-M10*110-8.8J	Bolt M10x110	2	
17	69000290	GB/T889.1-M10-8J	Nut M10	2	
18	69011375	M6043201000	Transmission shaft ass'y	1	5-7T

图9-1/ Fig. 9-1

传动装置安装/DRIVE UNIT MOUNT (TOR-CON TYPE)

FD50-120T



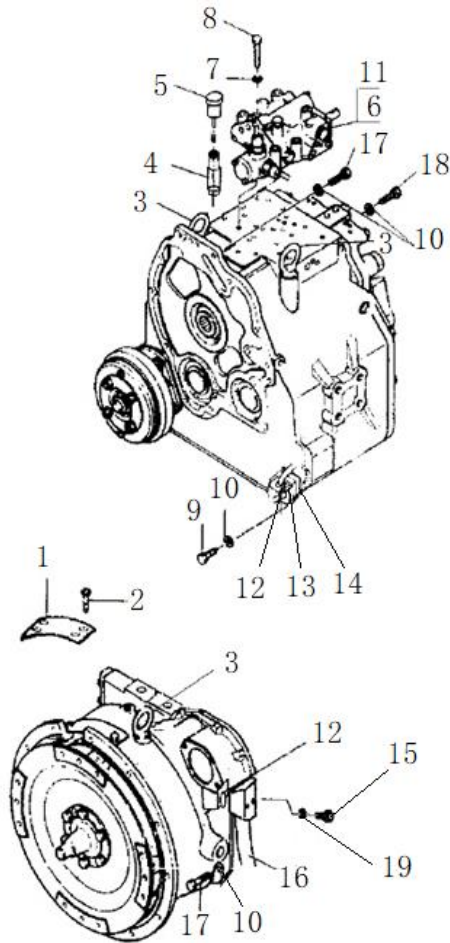
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69011698	10A32-01000	Transmission shaft ass'y	1	8-x12T
19	69141192	M60436A01000-1	Joint bushing	1	变速箱自带
20	69006308	M6043200001	Hinge Bolt	8	
21	69141193	M6043604001	Rubber pad	2	

图9-2/ Fig. 9-2

液力传动变速箱 (1) /HYDRAULIC TRANSMISSION (1)

FD50-100T-MG(4)2/MG(4)3

FD50-70T-MWJ2/MWJ3, FD50-100T-MWL2/MWL3

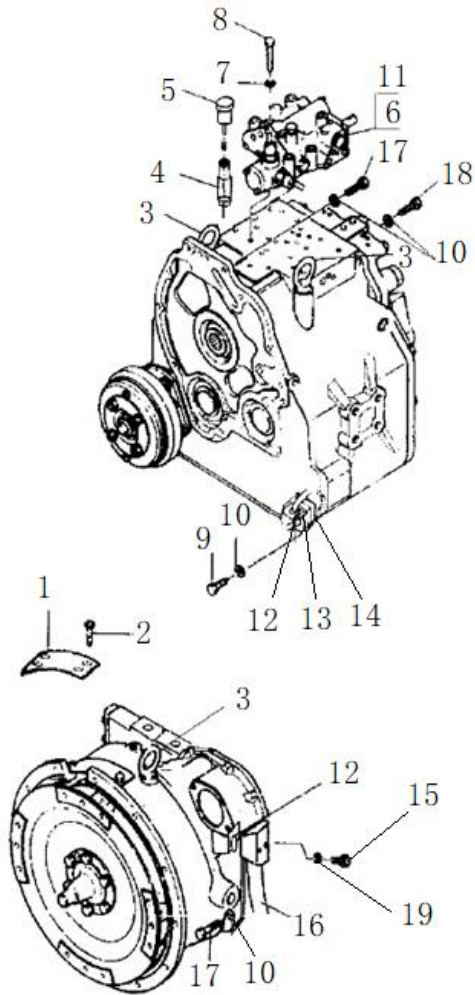


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141194	A847.5-56	Cup	2	
2	69041306	GB/T67-M6*12-4.8J	Screw M6x12	8	
3	69002089	GB/T825-M16	Rings screw M16	2	
4	69141195	YQX100.040	Hole	1	
5	69141196	YQX100.904S	Cap	1	
6	69025023	YQX100.905	Operating valve	1	
-	69141197	YQX100.906B	Electro-hydraulic control valve	1	
7		GB/T7244-8	Washer 8	9	
8	69084649	GB/T5782-M8*65-8.8J	Bolt M8x65	9	
9	69138311	GB/T5785-M10*1.25*50	Bolt M10x1.25x50	4	
10		GB/T7244-10	Washer 10	19	
11	69107882	YQX100.010	Paper pad	1	
12		GB/T3452.1-47.5*1.80	O-ring 47.5x1.80	2	
13	69138313	YQX100.102	Filter cover	1	
14	69012277	LS12277	Gasket	1	
15	69138312	YQX100.101	Oil plug	2	
16	69138314	YQX100.804S	Suction tubing ass'y	1	
17	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	14	
18		GB/T5786-M10*1.25*70	Bolt M10x1.25x70	1	
19	69006727	JB982-30	Combination seal gasket 30	4	

图9-3/ Fig. 9-3

液力传动变速箱 (1) HYDRAULIC TRANSMISSION (1)

FL50-70T-MWE3

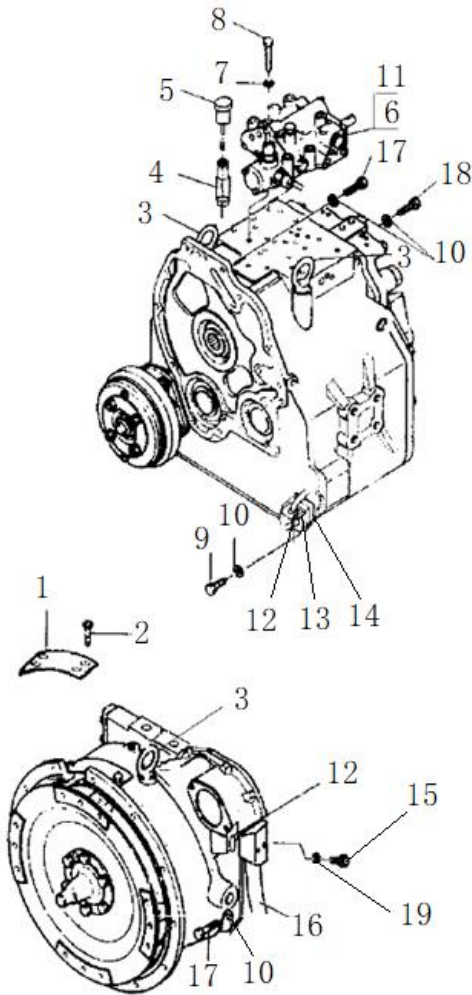


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141194	A847.5-56	Cup	2	
2	69041306	GB/T67-M6*12-4.8J	Screw M6x12	8	
3	69002089	GB/T825-M16	Rings screw M16	2	
4	69141195	YQX100.040	Hole	1	
5	69141196	YQX100.904S	Cap	1	
6	69141198	YQX100.906B-2	Electro-hydraulic control valve	1	YQXD100H4-1(MKS)
7		GB/T7244-8	Washer 8	9	
8	69084649	GB/T5782-M8*65-8.8J	Bolt M8x65	9	
9	69138311	GB/T5785-M10*1.25*50	Bolt M10x1.25x50	4	
10		GB/T7244-10	Washer 10	19	
11	69107882	YQX100.010	Paper pad	1	
12		GB/T3452.1-47.5*1.80	O-ring 47.5x1.80	2	
13	69138313	YQX100.102	Filter cover	1	
14	69012277	LS12277	Gasket	1	
15	69138312	YQX100.101	Oil plug	2	
16	69138314	YQX100.804S	Suction tubing ass'y	1	
17	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	14	
18		GB/T5786-M10*1.25*70	Bolt M10x1.25x70	1	
19	69006727	JB982-30	Combination seal gasket 30	4	

图9-4/ Fig. 9-4

液力传动变速箱 (1) / HYDRAULIC TRANSMISSION (1)

FD50-70T-MW(3)3

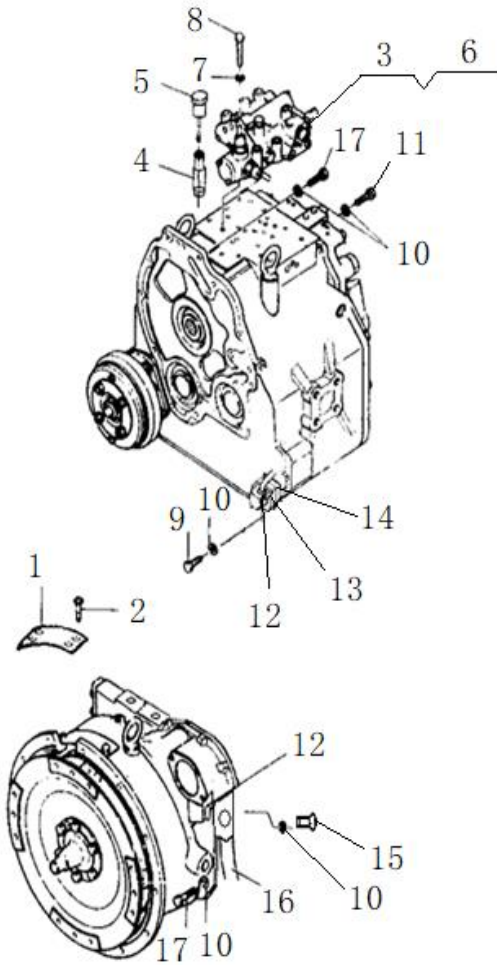


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141194	A847.5-56	Cup	2	
2	69041306	GB/T67-M6*12-4.8J	Screw M6x12	8	
3	69002089	GB/T825-M16	Rings screw M16	2	
4	69141195	YQX100.040	Hole	1	
5	69141196	YQX100.904S	Cap	1	
6	69141197	YQX100.906B	Electro-hydraulic control valve	1	YQXD100HD(MKS)
7		GB/T7244-8	Washer 8	9	
8	69084649	GB/T5782-M8*65-8.8J	Bolt M8x65	9	
9	69138311	GB/T5785-M10*1.25*50	Bolt M10x1.25x50	4	
10		GB/T7244-10	Washer 10	19	
11	69107882	YQX100.010	Paper pad	1	
12		GB/T3452.1-47.5*1.80	O-ring 47.5x1.80	2	
13	69138313	YQX100.102	Filter cover	1	
14	69012277	LS12277	Gasket	1	
15	69138312	YQX100.101	Oil plug	2	
16	69138314	YQX100.804S	Suction tubing ass'y	1	
17	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	14	
18		GB/T5786-M10*1.25*70	Bolt M10x1.25x70	1	
19	69006727	JB982-30	Combination seal gasket 30	4	

图9-5/ Fig. 9-5

液力传动变速箱 (1) /HYDRAULIC TRANSMISSION (1)

FD120T-MXWQ3、FD120T-MG(11)3

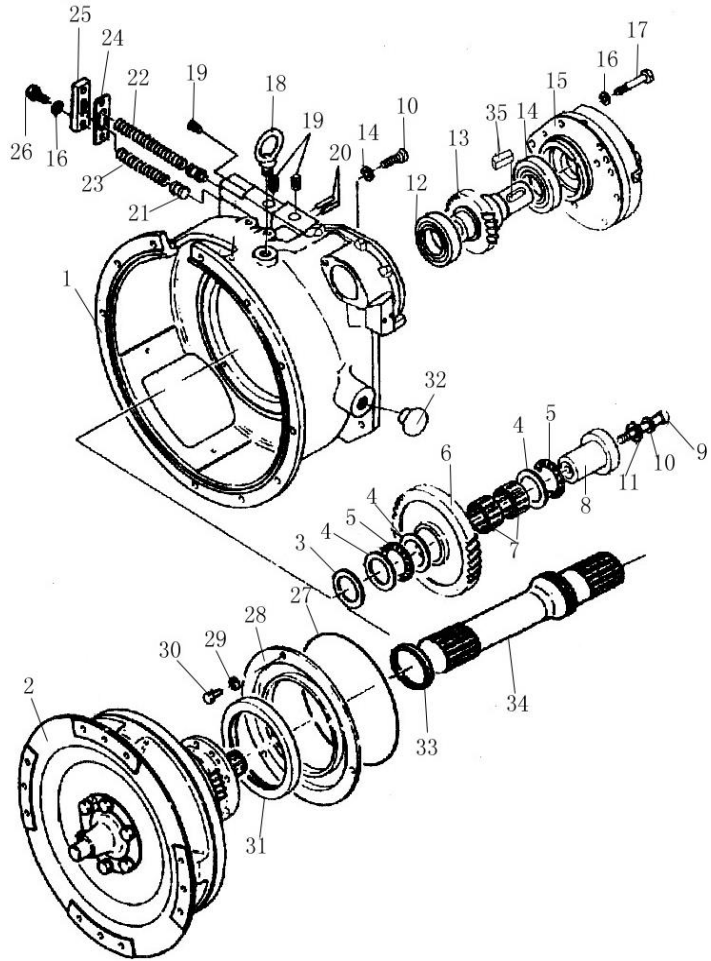


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141194	A847.5-56	Cup	2	
2	69041306	GB/T67-M6*12-4.8J	Screw M6x12	4	
3	69141199	YQX100.114	Paper pad	1	
4	69141195	YQX100.040	Hole	1	
5	69141196	YQX100.904S	Cap	1	
6	69141197	YQX100.906B	Control valve (tor-con type)	1	
7		GB/T7244-8	Washer 8	8	
8	69084649	GB/T5782-M8*65-8.8J	Bolt M8x65	8	
9	69138311	GB/T5785-M10*1.25*50	Bolt M10x1.25x50	4	
10		GB/T7244-10	Washer 10	21	
11		GB/T5786-M10*1.25*70	Bolt M10x1.25x70	1	
12	69006727	JB982-30	Combination seal gasket 30	4	
13	69138313	YQX100.102	Filter cover	1	
14	69012277	LS12277	Gasket	1	
15	69138312	YQX100.101	Bolt	2	
16	69138314	YQX100.804S	Oil fill pipe	1	
17	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	14	

图9-6/ Fig. 9-6

液力传动变速箱 (2) / HYDRAULIC TRANSMISSION (2)

FD50-100T-MG(4)2/MG(4)3、FD50-70T-MW(3)3

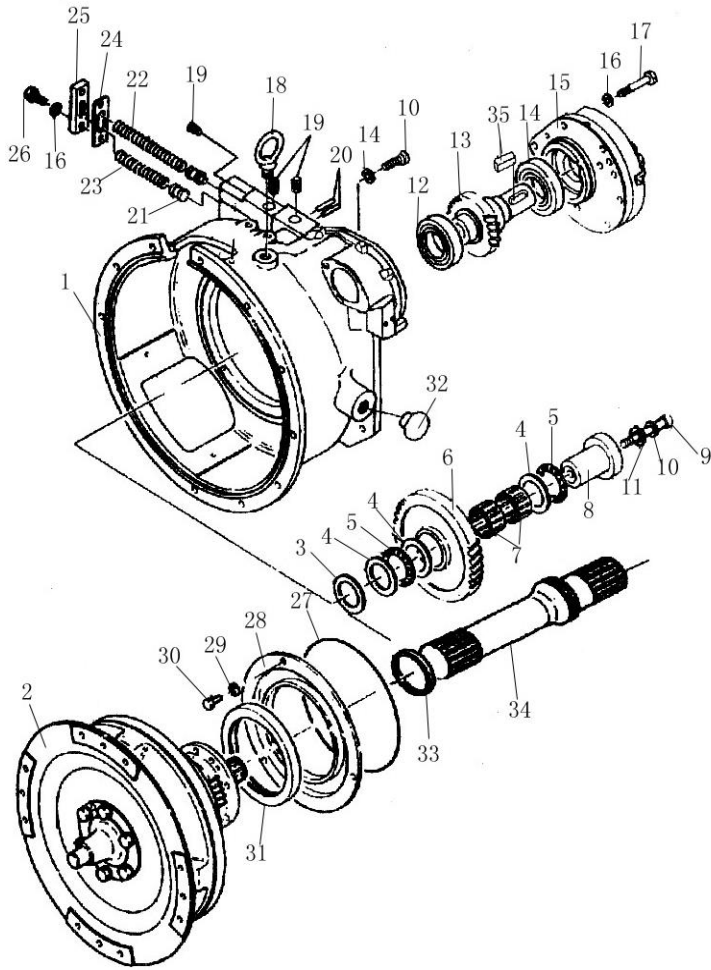


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141200	YQX100.802	Tor-con housing	1	
2	69063090	LS63090	Tor-con	1	YQXD100H4(MKS)
-	69141201	YJH315H-24	Tor-con	1	YQXD100HD(MKS)
3		YQX100.018-1	Adjusting pad	3	($\delta=0.1$)
-		YQX100.018-2	Adjusting pad	3	($\delta=0.2$)
-		YQX100.018-3	Adjusting pad	3	($\delta=0.5$)
4	69069522	AS 4565 GB4605-84	Washer AS4565	3	
5	69138303	GB/T4605-AXK4565	Needle bearing AXK4565	2	
6	69091740	YQX100.016	Idler gear	1	
7	69070321	HK455325	Needle bearing K455325	2	
8	69069297	YQX100.017	Idler gearShaft	1	
9	69138304	GB/T5785-M10*1.25*105	Bolt M10x1.25x105	1	
10	69000053	GB/T93-10	Washer 10	1	
11	69000250	GB/T97.1-10	Washer 10	1	
12	69005918	GB/T276-6209	Bearing 6209	1	
13	69091741	YQX100.015	Drive gear	1	
14	69000345	GB/T276-1994	Bearing 6209-RS	1	LS44490
15	69023849	YQX100.903	Oil pump ass'y	1	
16		GB/T7244-10	Washer 10	9	
17		GB/T5785-M16*1.25*60	Bolt M16x1.25x60	7	
18	69002089	GB/T825-M16	Screw M16	1	
19	69091742	YQX100.044	Screw plug 24329-45541	3	
20		GB/T119.1-6(m6)*50	Pin 6(m6)x50	2	
21	69087079	YQX100.033	Safety valve	2	
22	69069919	YQX100.034	Spring	1	

图9-6/ Fig. 9-6

液力传动变速箱 (2) / HYDRAULIC TRANSMISSION (2)

FD50-100T-MG(4)2/MG(4)3、FD50-70T-MW(3)3

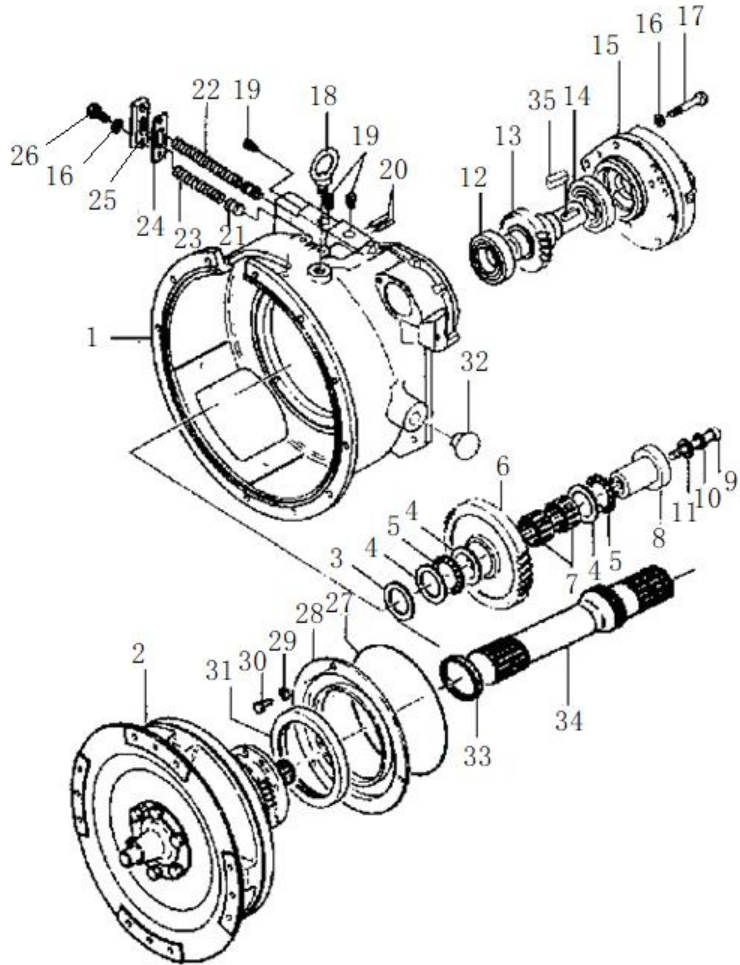


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
23	69069920	YQX100.035	Spring	1	
24	69090845	YQX100.037	Gasket	1	
25	69079303	YQX100.036	Cap	1	
26	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	2	
27	69040833	LS40833	O-ring 220x5.7	1	LS40833
28	69069524	YQX100.021	Plate	1	
29		GB/T7244-8	Washer 8	3	
30	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	3	
31	69031098	LS31098	Ring (F)B130x160x12	1	LS31098
32	69087655	YDS45.082	Plastic plug	2	
33	69040859	YQX100.020	Seal ring	1	
34	69061141	YQX100.019	Turbine shaft	1	
35	69087656	YQX100.042	Key	1	

图9-7/ Fig. 9-7

液力传动变速箱 (2) /HYDRAULIC TRANSMISSION (2)

FD50-70T-MWJ2/MWJ3

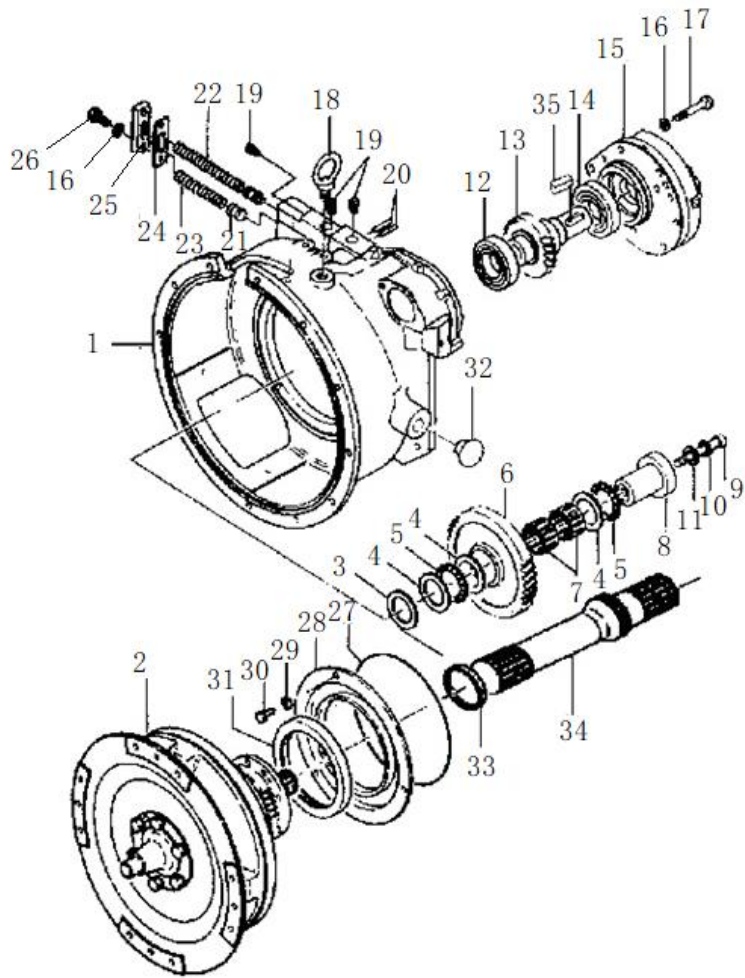


序号 Item No.	物料号 ID.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
1	69141200	YQX100.802	Tor-con housing	1	
2	69141202	YJH315H-11	Tor-con	1	
3	69007467	YQX100.018	Adjusting pad	3	($\delta=0.1$)
-	69007467	YQX100.018	Adjusting pad	3	($\delta=0.2$)
-	69007467	YQX100.018	Adjusting pad	3	($\delta=0.5$)
4	69069522	AS 4565 GB4605-84	Washer AS4565	3	
5	69138303	GB/T4605-AXK4565	Needle bearing AXK4565	2	
6	69091740	YQX100.016	Idler gear	1	
7	69070321	HK455325	Needle bearing K455325	2	
8	69069297	YQX100.017	Idler gear shaft	1	
9	69138304	GB/T5785-M10*1.25*105	Bolt M10*1.25*105	1	
10	69000053	GB/T93-10	Washer 10	1	
11	69000250	GB/T97.1-10	Washer 10	1	
12	69005918	GB/T276-6209	Bearing 6209	1	
13	69091741	YQX100.015	Drive gear	1	
14	69044490	LS44490	Bearing 6209-RS	1	LS44490
15	69023849	YQX100.903	Oil pump ass'y	1	
16		GB/T7244-10	Washer 10	9	
17		GB/T5785-M16*1.25*60	Bolt M16*1.25*60	7	
18	69002089	GB/T825-M16	Rings screw M16	1	
19	69091742	YQX100.044	Screw plug 24329-45541	3	
20		GB/T119.1-6(m6)*50	Pin 6(m6)*50	2	
21	69087079	YQX100.033	Safety valve	2	
22	69069919	YQX100.034	Spring	1	
23	69069920	YQX100.035	Spring	1	

图9-7/ Fig. 9-7

液力传动变速箱 (2) /HYDRAULIC TRANSMISSION (2)

FD50-70T-MWJ2/MWJ3

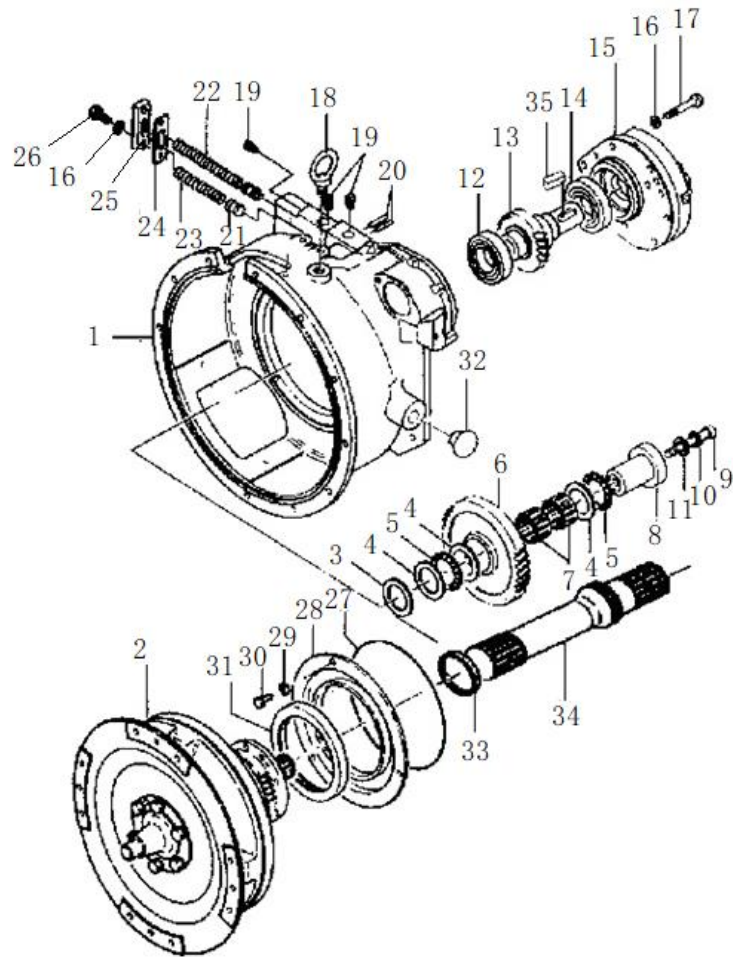


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69090845	YQX100.037	Gasket	1	
25	69079303	YQX100.036	Cap	1	
26	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10×1.25×30	2	
27	69040833	LS40833	O-ring 220×5.7	1	LS40833
28	69069524	YQX100.021	Plate	1	
29	GB/T7244-8		Washer 8	3	
30	69000198	GB/T5783-M8*20-8.8J	Bolt M8×20	3	
31	69031098	LS31098	Ring (F)B130×160×12	1	LS31098
32	69087655	YDS45.082	Plastic plug	2	
33	69040859	YQX100.020	Seal ring	1	
34	69061141	YQX100.019	Turbine shaft	1	
35	69087656	YQX100.042	Key	1	

图9-8/ Fig. 9-8

液力传动变速箱 (2) / HYDRAULIC TRANSMISSION (2)

FL50-70T-MWE3

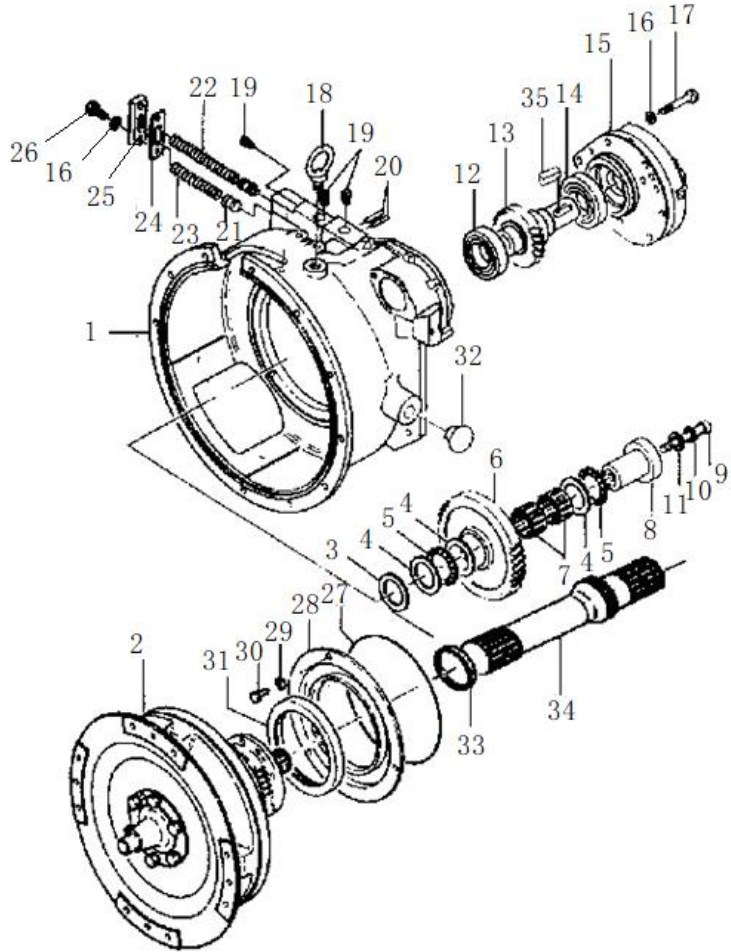


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141203	YQX100H3.802	Tor-con housing	1	
2	69141204	YJH315H-14	Tor-con	1	
3	69007467	YQX100.018	Adjusting pad	3	($\delta=0.1$)
-	69007467	YQX100.018	Adjusting pad	3	($\delta=0.2$)
-	69007467	YQX100.018	Adjusting pad	3	($\delta=0.5$)
4	69069522	AS 4565 GB4605-84	Washer AS4565	3	
5	69138303	GB/T4605-AXK4565	Needle bearing AXK4565	2	
6	69091740	YQX100.016	Idler gear	1	
7	69070321	HK455325	Needle bearing K455325	2	
8	69069297	YQX100.017	Idler gearShaft	1	
9	69138304	GB/T5785-M10*1.25*105	Bolt M10x1.25x105	1	
10	69000053	GB/T93-10	Washer 10	1	
11	69000250	GB/T97.1-10	Washer 10	1	
12	69005918	GB/T276-6209	Bearing 6209	1	
13	69091741	YQX100.015	Drive gear	1	
14	69044490	LS44490	Bearing 6209-RS	1	LS44490
15	69023849	YQX100.903	Oil pump ass'y	1	
16		GB/T7244-10	Washer 10	9	
17		GB/T5785-M16*1.25*60	Bolt M16x1.25x60	7	
18	69002089	GB/T825-M16	Screw M16	1	
19	69091742	YQX100.044	Screw plug 24329-45541	3	
20		GB/T119.1-6(m6)*50	Pin 6(m6)x50	2	
21	69087079	YQX100.033	Safety valve	2	
22	69069919	YQX100.034	Spring	1	
23	69069920	YQX100.035	Spring	1	

图9-8/ Fig. 9-8

液力传动变速箱 (2) / HYDRAULIC TRANSMISSION (2)

FL50-70T-MWE3

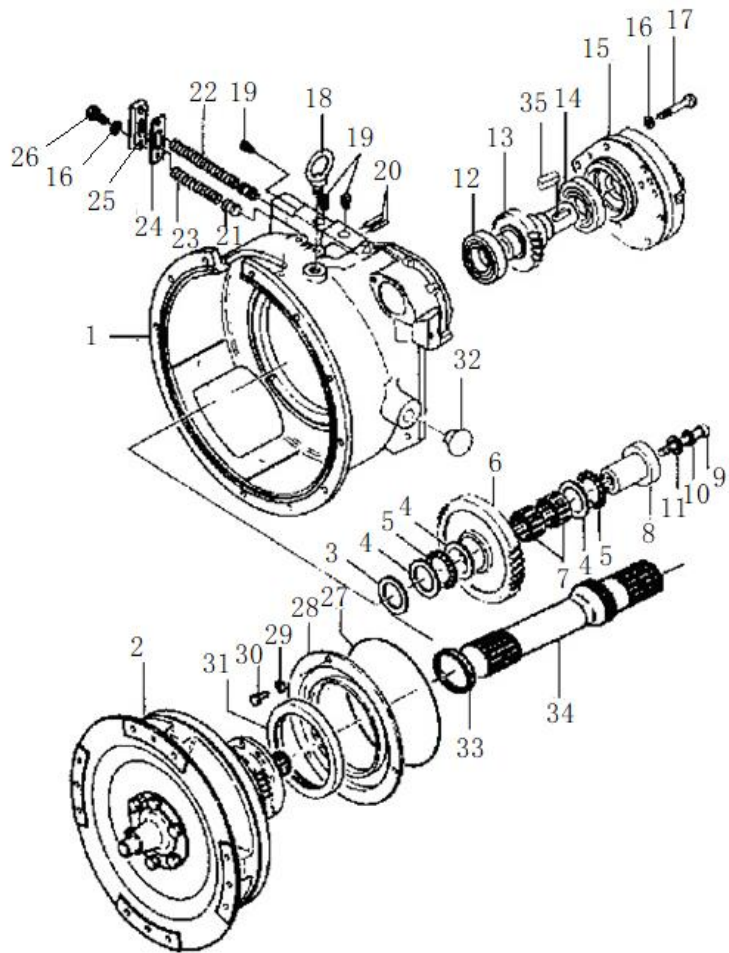


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69090845	YQX100.037	Gasket	1	
25	69079303	YQX100.036	Cap	1	
26	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10×1.25×30	2	
27	69040833	LS40833	O-ring 220×5.7	1	LS40833
28	69069524	YQX100.021	Plate	1	
29	GB/T7244-8		Washer 8	3	
30	69000198	GB/T5783-M8*20-8.8J	Bolt M8×20	3	
31	69031098	LS31098	Ring (F)B130×160×12	1	LS31098
32	69087655	YDS45.082	Plastic plug	2	
33	69040859	YQX100.020	Seal ring	1	
34	69061141	YQX100.019	Turbine shaft	1	
35	69087656	YQX100.042	Key	1	

图9-9/ Fig. 9-9

液力传动变速箱 (2) /HYDRAULIC TRANSMISSION (2)

FD50-100T-MWL2/MWL3

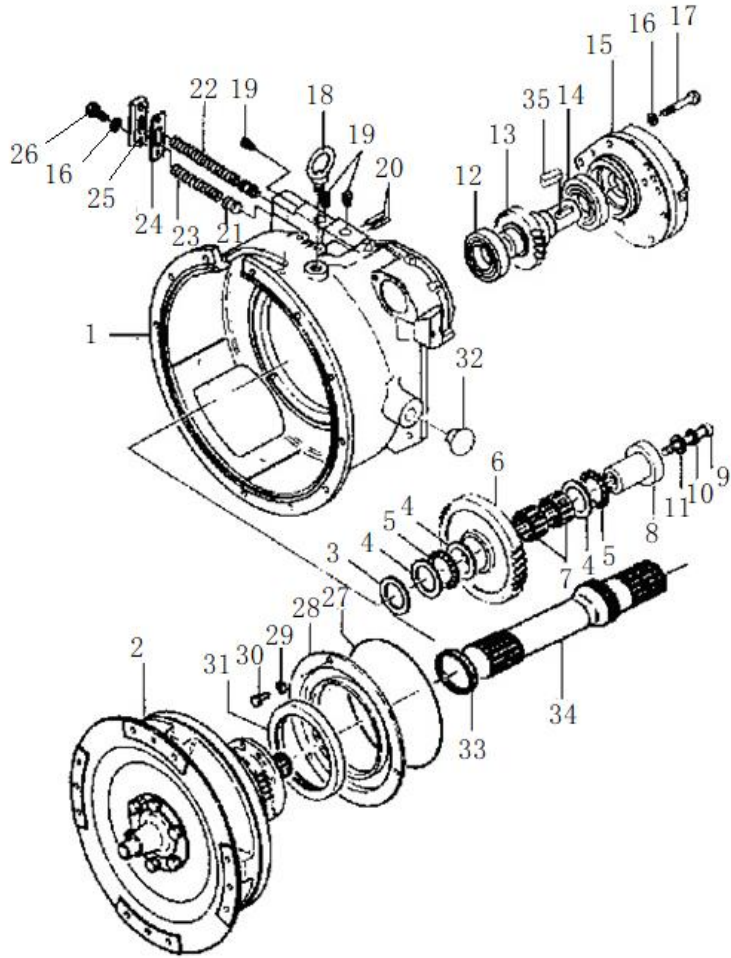


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141203	YQX100H3.802	Tor-con housing	1	
2	69136497	YJH315H-13	Tor-con	1	
3	69007467	YQX100.018	Adjusting pad	3	($\delta=0.1$)
-	69007467	YQX100.018	Adjusting pad	3	($\delta=0.2$)
-	69007467	YQX100.018	Adjusting pad	3	($\delta=0.5$)
4	69069522	AS 4565 GB4605-84	Washer AS4565	3	
5	69138303	GB/T4605-AXK4565	Needle bearing AXK4565	2	
6	69091740	YQX100.016	Idler gear	1	
7	69070321	HK455325	Needle bearing K455325	2	
8	69069297	YQX100.017	Idler gearShaft	1	
9	69138304	GB/T5785-M10*1.25*105	Bolt M10x1.25x105	1	
10	69000053	GB/T93-10	Washer 10	1	
11	69000250	GB/T97.1-10	Washer 10	1	
12	69005918	GB/T276-6209	Bearing 6209	1	
13	69091741	YQX100.015	Drive gear	1	
14	69044490	LS44490	Bearing 6209-RS	1	LS44490
15	69023849	YQX100.903	Oil pump ass'y	1	
16		GB/T7244-10	Washer 10	9	
17		GB/T5785-M16*1.25*60	Bolt M16x1.25x60	7	
18	69002089	GB/T825-M16	Screw M16	1	
19	69091742	YQX100.044	Screw plug 24329-45541	3	
20		GB/T119.1-6(m6)*50	Pin 6(m6)x50	2	
21	69087079	YQX100.033	Safety valve	2	
22	69069919	YQX100.034	Spring	1	
23	69069920	YQX100.035	Spring	1	

图9-9/Fig. 9-9

液力传动变速箱 (2) /HYDRAULIC TRANSMISSION (2)

FD50-100T-MWL2/MWL3

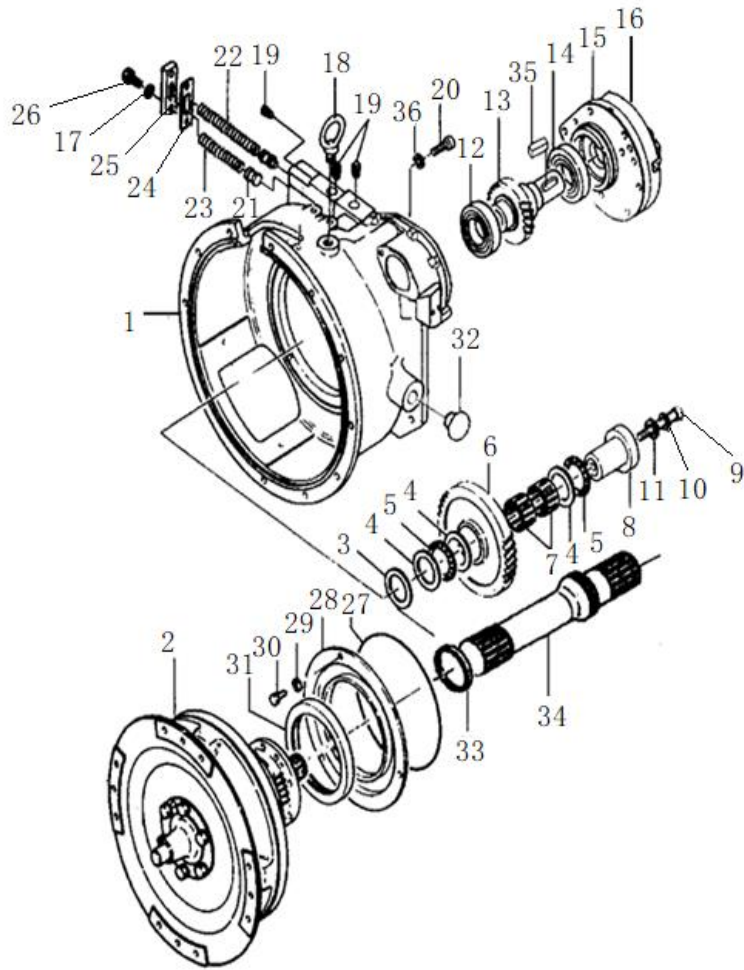


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69090845	YQX100.037	Gasket	1	
25	69079303	YQX100.036	Cap	1	
26	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	2	
27	69040833	LS40833	O-ring 220x5.7	1	LS40833
28	69069524	YQX100.021	Plate	1	
29		GB/T7244-8	Washer 8	3	
30	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	3	
31	69031098	LS31098	Ring (F)B130x160x12	1	LS31098
32	69087655	YDS45.082	Plastic plug	2	
33	69040859	YQX100.020	Seal ring	1	
34	69061141	YQX100.019	Turbine shaft	1	
35	69087656	YQX100.042	Key	1	

图9-10/Fig9-10

液力传动变速箱 (2) /HYDRAULIC TRANSMISSION (2)

FD120T-MXWQ3

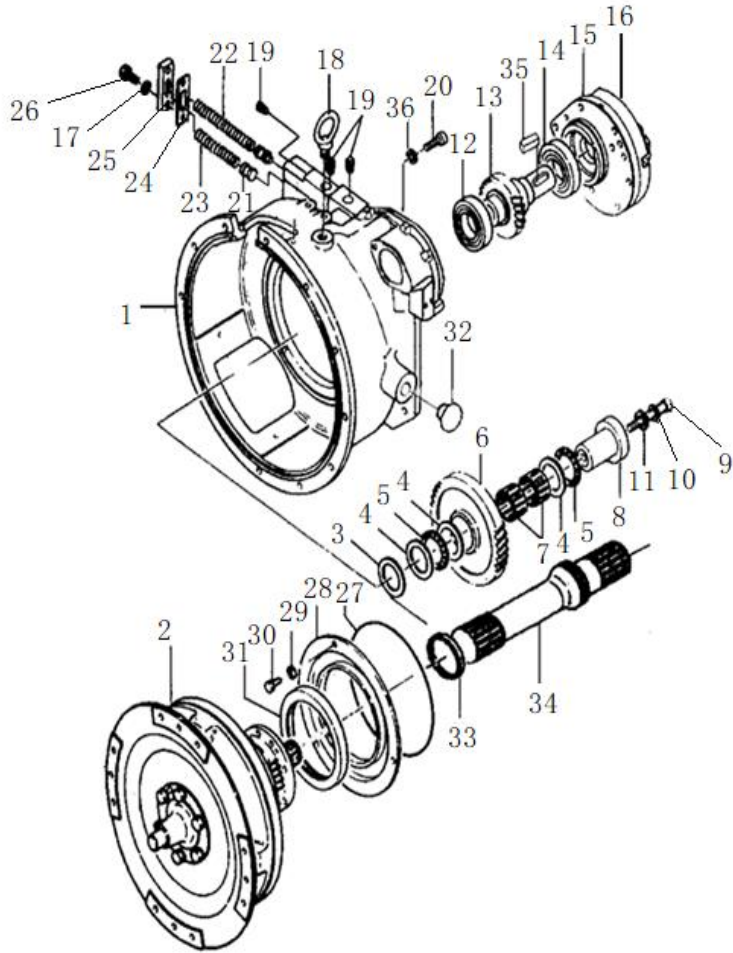


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141205	YQX120.001	Tor-con housing	1	YQXD120
2	69076255	YBQ2323K	Tor-con	1	YQXD120
3	69007467	YQX100.018	Adjusting pad	3	
4	69069522	AS 4565 GB4605-84	Washer AS4565	3	
5	69138303	GB/T4605-AXK4565	Needle bearing AXK4565	2	
6	69141206	YYX80.003	Idler gear	1	
7	69070321	HK455325	Needle bearing K455325	2	
8	69069297	YQX100.017	Idler gearShaft	1	
9	69138304	GB/T5785-M10*1.25*105	Bolt M10x1.25x105	1	
10	69000053	GB/T93-10	Washer 10	1	
11	69000250	GB/T97.1-10	Washer 10	1	
12	69044490	LS44490	Bearing6209-RS	1	LS44490
13	69141207	YQX100 II. 004	Drive gear	1	
14	69005918	GB/T276-6209	Bearing 6209	1	
15	69023849	YQX100.903	Oil pump ass'y	1	
16	69141208	YQX100.012	Cover	2	
17		GB/T7244-10	Washer 10	6	
18	69002089	GB/T825-M16	Screw M16	1	
19	69091742	YQX100.044	Plug	3	
20	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	4	
21	69087079	YQX100.033	Safety valve	2	
22	69069919	YQX100.034	Spring	1	
23	69069920	YQX100.035	Spring	1	
24	69090845	YQX100.037	Gasket	1	
25	69079303	YQX100.036	Cap	1	

图9-10/Fig9-10

液力传动变速箱 (2) /HYDRAULIC TRANSMISSION (2)

FD120T-MXWQ3

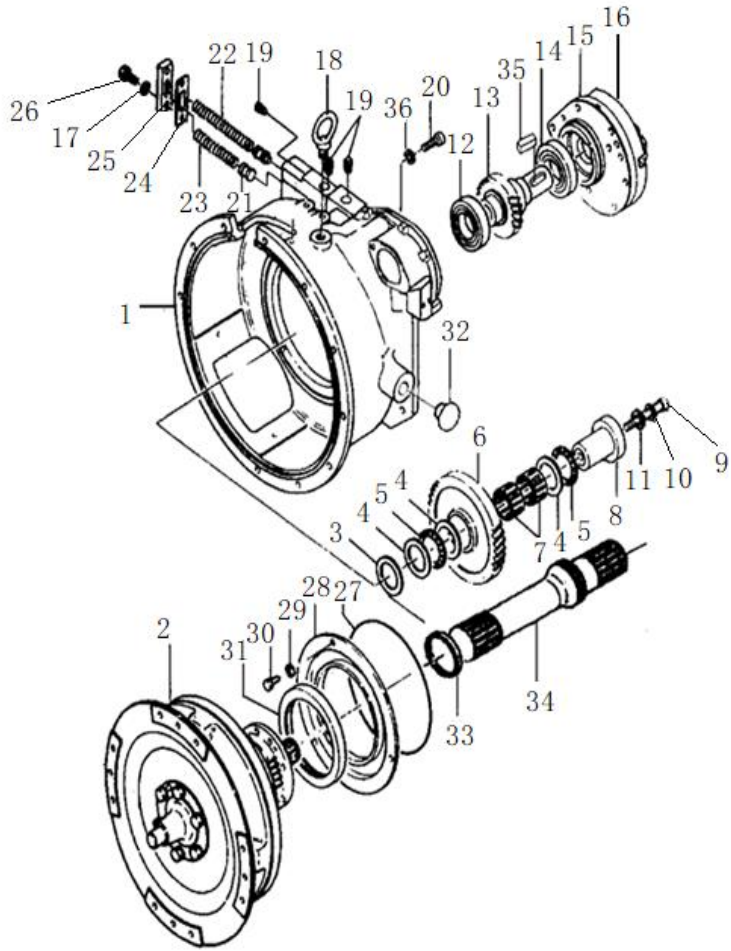


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	2	
27	69040833	LS40833	O-ring 220x5.7	1	LS40833
28	69069524	YQX100.021	Plate	1	
29		GB/T7244-8	Washer 8	3	
30	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	3	
31	69031098	LS31098	Ring FB130x160x12	1	
32	69087655	YDS45.082	Plastic plug	2	
33	69040859	YQX100.020	Seal ring	1	
34	69141209	YYX80.002	Turbine shaft	1	
35	69087656	YQX100.042	Kye	1	

图9-11/ Fig. 9-11

液力传动变速箱 (2) / HYDRAULIC TRANSMISSION (2)

FD120T-MG(11)3

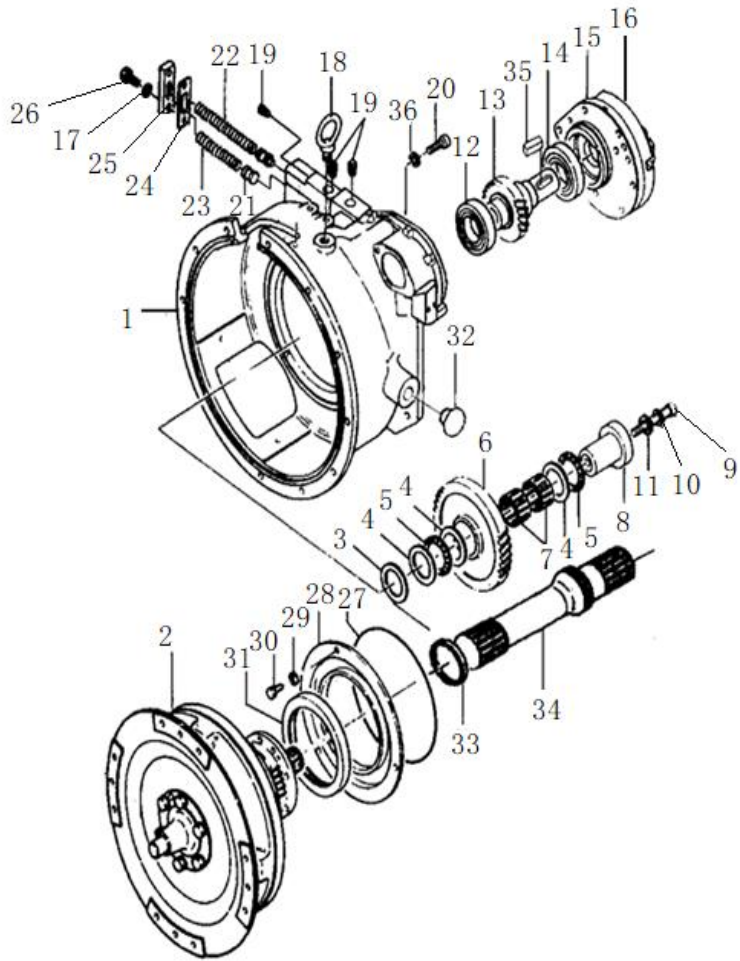


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141210	YYX80.801	Tor-con housing	1	YQXD120H4
2	69076255	YBQ2323K	Tor-con	1	YQXD120H4
3	69007467	YQX100.018	Adjusting pad	3	
4	69069522	AS 4565 GB4605-84	Washer AS4565	3	
5	69138303	GB/T4605-AXK4565	Needle bearing AXK4565	2	
6	69141206	YYX80.003	Idler gear	1	
7	69070321	HK455325	Needle bearing K455325	2	
8	69069297	YQX100.017	Idler gearShaft	1	
9	69138304	GB/T5785-M10*1.25*105	Bolt M10x1.25x105	1	
10	69000053	GB/T93-10	Washer 10	1	
11	69000250	GB/T97.1-10	Washer 10	1	
12	69044490	LS44490	Bearing6209-RS	1	LS44490
13	69141207	YQX100 II.004	Drive gear	1	
14	69005918	GB/T276-6209	Bearing 6209	1	
15	69023849	YQX100.903	Oil pump ass'y	1	
16	69141208	YQX100.012	Cover	2	
17		GB/T7244-10	Washer 10	6	
18	69002089	GB/T825-M16	Screw M16	1	
19	69091742	YQX100.044	Plug	3	
20	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	4	
21	69087079	YQX100.033	Safety valve	2	
22	69069919	YQX100.034	Spring	1	
23	69069920	YQX100.035	Spring	1	
24	69090845	YQX100.037	Gasket	1	
25	69079303	YQX100.036	Cap	1	

图9-11/ Fig. 9-11

液力传动变速箱 (2) HYDRAULIC TRANSMISSION (2)

FD120T-MG(11)3

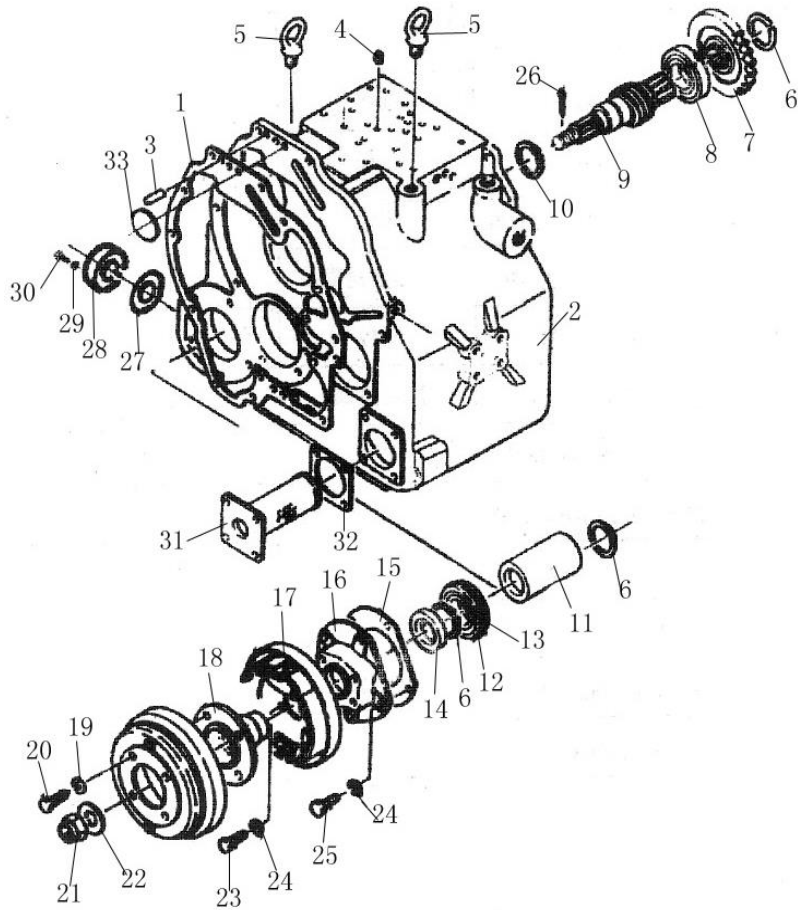


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	2	
27	69040833	LS40833	O-ring 220x5.7	1	LS40833
28	69069524	YQX100.021	Plate	1	
29		GB/T7244-8	Washer 8	3	
30	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	3	
31	69031098	LS31098	Ring FB130x160x12	1	
32	69087655	YDS45.082	Plastic plug	2	
33	69040859	YQX100.020	Seal ring	1	
34	69141209	YYX80.002	Turbine shaft	1	
35	69087656	YQX100.042	Kye	1	

图9-12/ Fig. 9-12

变速箱 (1) / TRANSMISSION (1)

FD50-100T

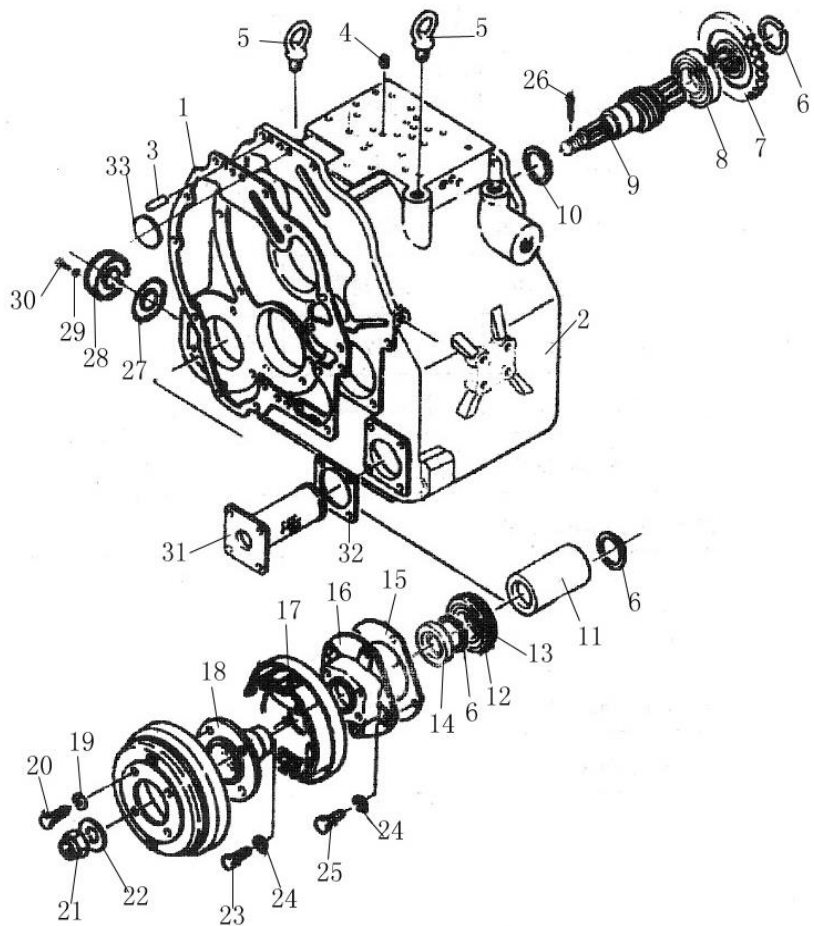


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69061144	YQX100.022	Paper pad	1	
2	69141211	YQX100.801	Transmission housing	1	
3		GB/T119.1-10 (h8) *22	Pin 10 (h8) x22	2	
4	69141212	YQX100.092	Screw plug	1	
5	69002089	GB/T825-M16	Rings screw M16	2	
6	69135187	GB/T 894.1-1986-40	Axis Circlip 40	3	
7	69141213	YQX100C.008	Parking brake gear	1	
8	69005920	GB/T276-6208	Bearing 6208	1	
9	69079088	YQX100.005	Parking brake shaft	1	
10		GB/T894.1-29	Axis Circlip 29	1	
11		LS9542	O ring 16x2.4	1	LS9542
12	69087567	GB/T276-94	Bearing 6208N	1	
13	69069299	80/86.6	Thrust ring 80/86.6	1	
14		GB/T9877.1-FB40x62x8	Ring (F)B 40x62x8	1	
15	69061143	YQX100.024	Paper pad	1	
16	69061142	YQX100.026	Wheel brake seat	1	
17	69141214	ZY3507-01000	Gear	1	
18	69079274	YQX100.041A	Flange	1	
19	69024359	GB/T7244-M12	Washer 12	4	
20	69000137	GB/T5786-M12*1.25*25-8.8J	Bolt M12x1.25x25	4	
21	69031116	GB/T6171-M20*1.5-10J	Nut M20x1.5	1	
22	69141215	YQX100.028	Washer	1	
23	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	4	
24		GB/T7244-10	Washer 10	9	
25	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	5	

图9-12/ Fig. 9-12

变速箱 (1) / TRANSMISSION (1)

FD50-100T

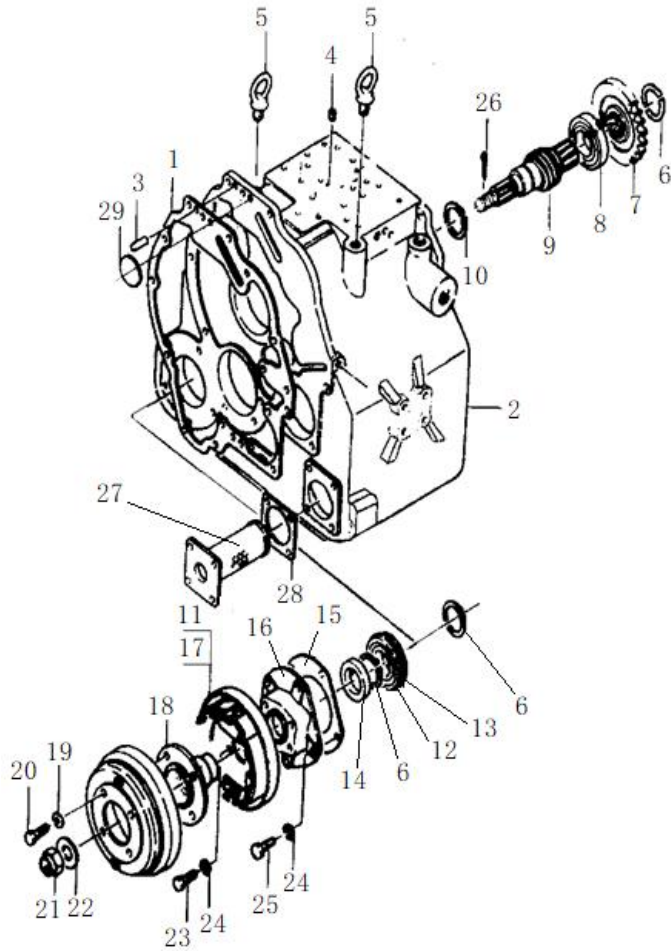


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69000094	GB/T91-4*35	Cotter pin 4x35	1	
27	69073262	YQX100.908	Hydraulic filter	1	
28	69012277	LS12277	Gasket	1	

图9-13/ Fig. 9-13

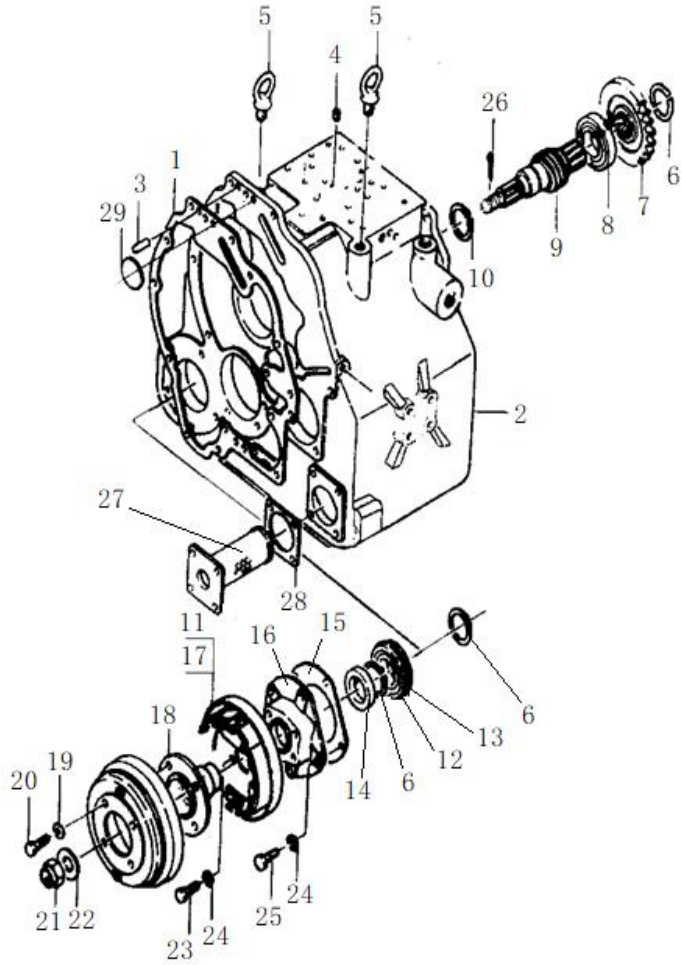
变速箱 (1) / TRANSMISSION (1)

FD120T-MXWQ3、FD120T-MG(11)3



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69061144	YQX100.022	Gasket	1	
2		YQX100.001	Transmission housing	1	
3		GB/T119.1-10 (h8) *22	Pin 10(h8)x22	2	
4	69138319	YQX100.011	Screw plug	1	
5	69002089	GB/T825-M16	Screw M16	2	
6	69135187	GB/T 894.1-1986-40	Axis Circlip 40	3	
7	69141216	YQX120.004	Parking brake gear	1	
8	69005920	GB/T276-6208	Bearing 6208	1	
9	69079088	YQX100.005	Parking brake shaft	1	
10		GB/T894.1-29	Axis Circlip 29	1	
11	69024655	ZY350702A000	Brake cable	1	
12	69087567	GB/T276-94	Bearing 6208N	1	
13	69069299	80/86.6	Thrust ring 80/86.6	1	
14		GB/T9877.1-FB40x62x8	Ring FB40x62x8	1	
15	69061143	YQX100.024	Gasket	1	
16	69061142	YQX100.026	Wheel brake seat	1	
17	69141214	ZY3507-01000	Parking brake ass'y	1	
18	69079274	YQX100.041A	Flange	1	
19	69024359	GB/T7244-M12	Washer 12	4	
20	69000137	GB/T5786-M12*1.25*25-8.8J	Bolt M12x1.25x25	4	
21	69031116	GB/T6171-M20*1.5-10J	Nut M20x1.5	1	
22	69141215	YQX100.028	Washer	1	
23	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	4	
24		GB/T7244-10	Washer 10	9	
25	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	5	

FD120T-MXWQ3、FD120T-MG(11)3

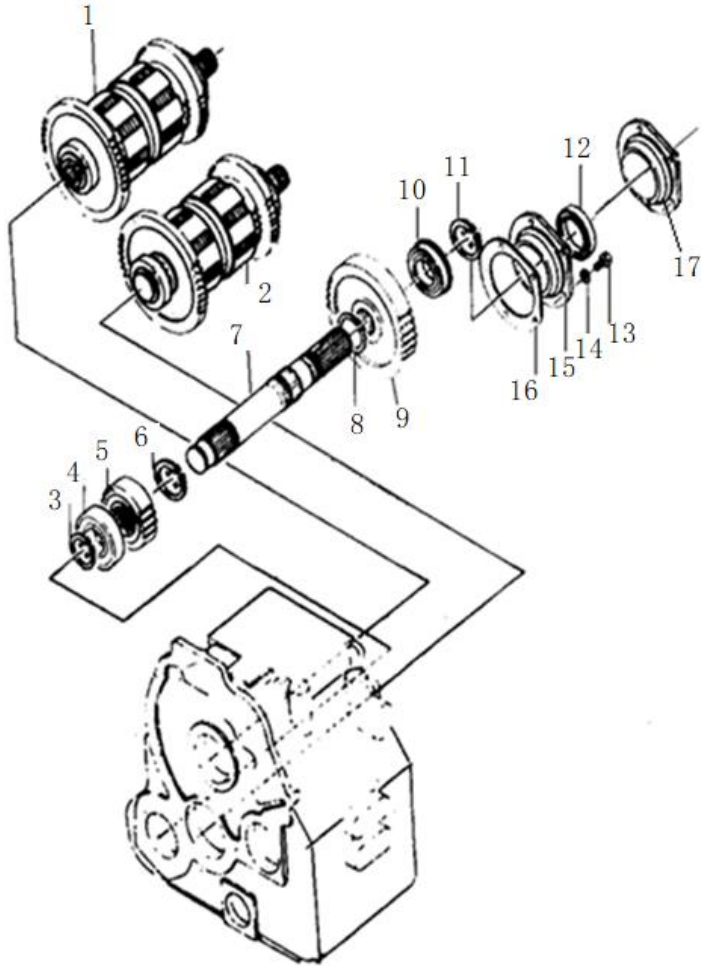


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69000094	GB/T91-4*35	Cotter pin 4x35	1	
27	69073262	YQX100.908	Strainer	1	
28	69012277	LS12277	Gasket	1	
29		LS9542	O ring 16x2.4	1	LS9542

图9-14/ Fig. 9-14

变速箱 (2) / TRANSMISSION (2)

FD50-100T

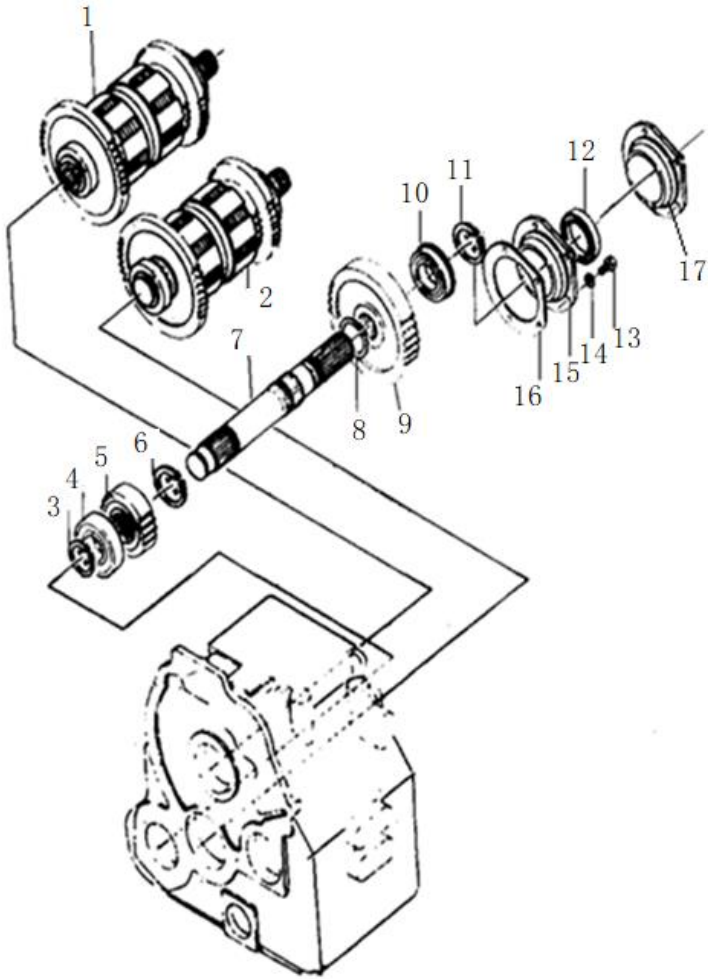


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141217	YQX100C.901	Clutch I	1	
2	69141218	YQX100C.902	Clutch II	1	
3	69000071	GB/T894.1-Φ45	Axis Circlip 45	1	
4	69138370	GB/T276-6309	Bearing 6309	1	
5	69141219	YQX100C.006	Gear	1	
6	69005096	GB/T894.1-Φ50	Clip spring 50	1	
7	69062157	YQX100.007	Output shaft	1	
8	69005632	GB/T894.1-Φ60	Axis Circlip 60	1	
9	69141220	YQX100C.005	Gear	1	
10	69039557	LS39557	Bearing 6211	1	
11	69000073	GB/T894.1-Φ55	Axis Circlip 55	1	
12		GB/T9877.1-FB52x78x5	Seal ring (F)B52x78x5	1	
13	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	5	
14		GB/T7244-10	Washer 10	5	
15	69141221	YQX100.008	Output bearing seat	1	
16	69083823	YQX100.009	Paper pad	1	
17	69141222	YQX100H1.801	Input flange	1	

图9-15/ Fig. 9-15

变速箱 (2) / TRANSMISSION (2)

FD120T-MXWQ3、FD120T-MG(11)3

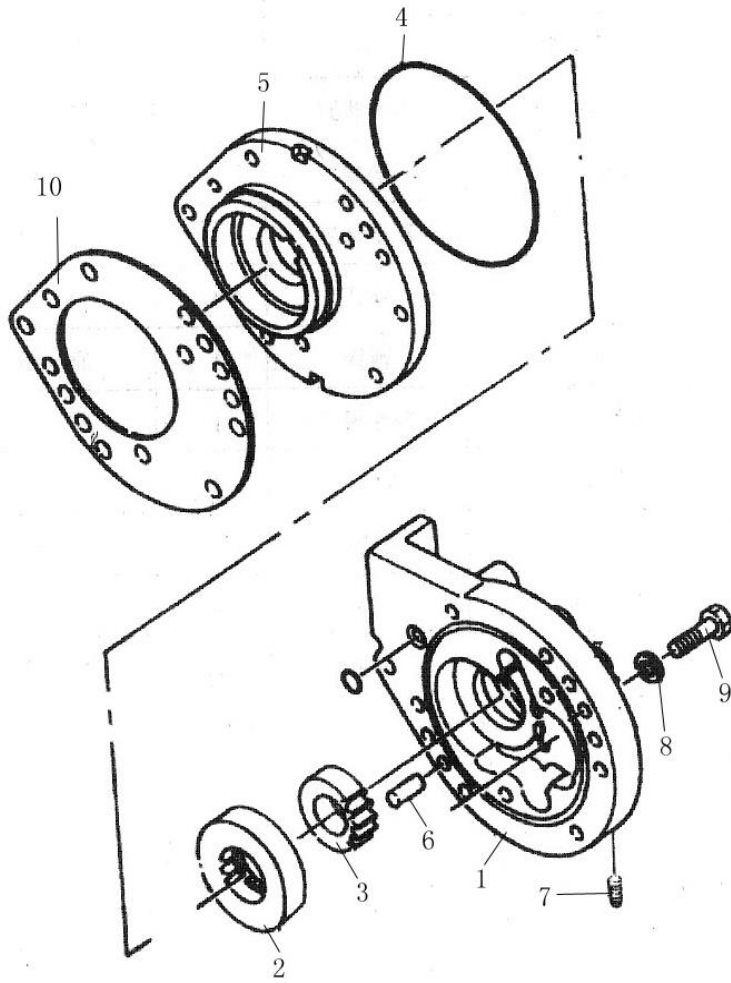


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69142310	YQX120.901	Clutch I	1	
2	69142311	YQX120.902	Clutch II	1	
3	69000071	GB/T894.1-Φ45	Axis Circlip 45	1	
4	69138370	GB/T276-6309	Bearing 6309	1	
5	69141219	YQX100C.006	Gear	1	
6	69005096	GB/T894.1-Φ50	Axis Circlip 50	1	
7	69062157	YQX100.007	Output shaft	1	
8	69005632	GB/T894.1-Φ60	Clip spring 60	1	
9	69141223	YQX120.005	Gear	1	
10	69016773	GB/T276-6211	Bearing 6211	1	
11	69000073	GB/T894.1-Φ55	Axis Circlip 55	1	
12		GB/T9877.1-FB52x78x5	Seal ring FB52x78x5	1	
13	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	5	
14		GB/T7244-10	Washer 10	5	
15	69141221	YQX100.008	Output bearing seat	1	
16	69083823	YQX100.009	Paper pad	1	
17	69141224	YQX100C.001	Flange	1	

图9-16/Fig. 9-16

供油泵/CHARGING PUMP

FD50-120T

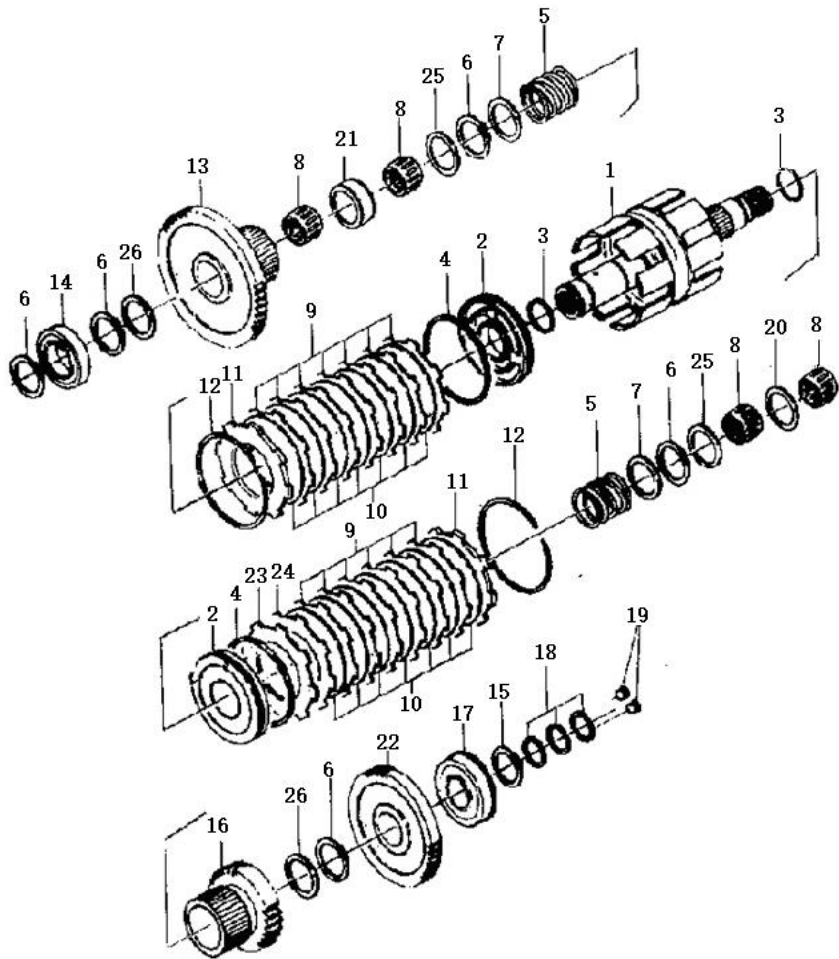


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141225	YQX100.079	Pump body	1	
2	69141226	YQX100.076	Pump gear (Inner)	1	
3	69087720	YQX100.077	Pump drive gear	1	
4	69136507	GB1235-76-145*3.1	O-ring 145x3.1	1	
5	69087719	YQX100.078	Charging pump cover	1	
6	69142228	GB/T119.1-10h8*28	Pin10(h8)x28	2	
7	69106341	YDS30.102	Screw plug	1	
8		GB/T7244-10	Washer 10	2	
9	69025383	GB/T5786-M10*1.25*40-8.8级	Bolt M10x1.25x40	2	
10	69138309	YQX100.014	Paper pad	1	

图9-17/ Fig. 9-17.

离合器/ HYDRAULIC CLUTCH (TOR-CON TYPE)

FD50-100T

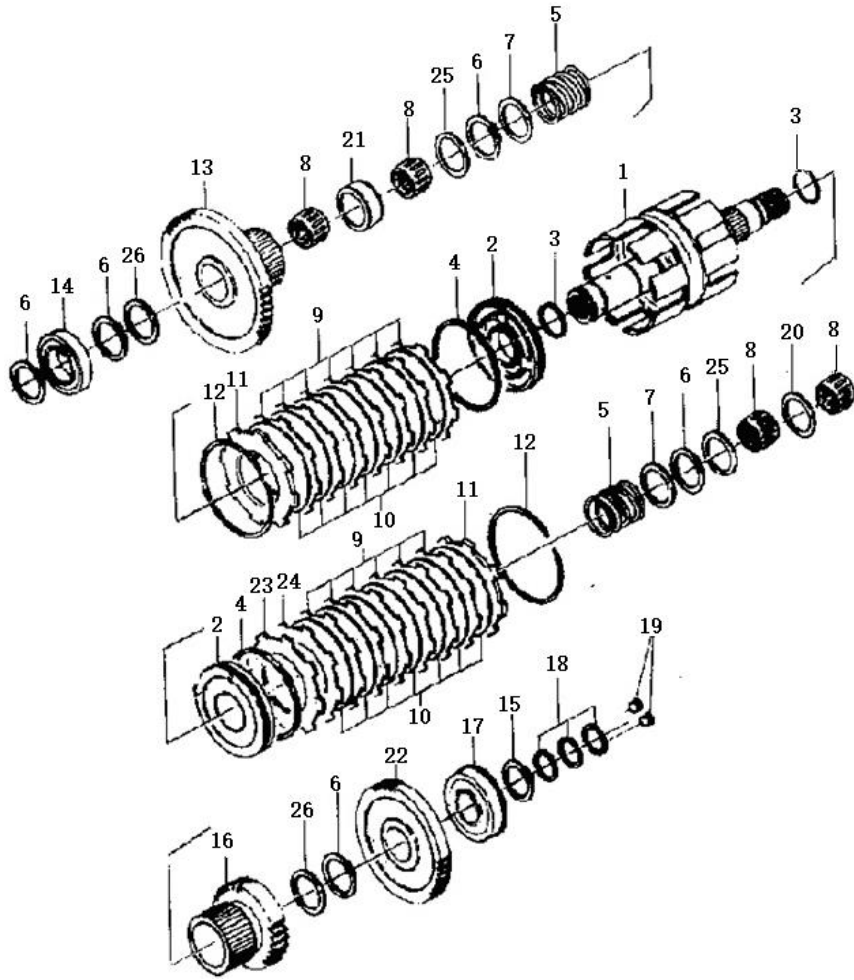


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69039850	YQX100.805	Shaft ass'y	1	YQX100C.901
-	69141227	YQX100.807	Shaft ass'y	1	YQX100C.902
2	69141228	15793-80231	Piston	2	
3	69040830	YQX100.068	Seal ring	2	
4	69040831	YQX100.073	Seal ring	2	
5	69069298	YQX100.064	Spring	2	
6	69005096	GB/T894.1-Φ50	Axis Circlip 50	5	
7	69067926	YQX100.063	Spring seat	2	
8	69031932	LS31932	Needle bearing K505820	4	
9		YQX100.066	Plate friction (Out)	13	
10	69011474	YQX100.065	Plate friction (Inner)	14	
11	69061244	YQX100.067	End plate	2	
12	69067913	YQX100.070	Snap ring	2	
13	69031931	LS31931	Gear I	1	
-	69141229	YQX100C.004	Gear IV	1	YQX100C.901
14	69058028	LS58028	Bearing 6210	1	YQX100C.902
15	69000071	GB/T894.1-Φ45	Axis Circlip 45	1	
16	69039849	LS39849	Gear II	1	
17	69038650	LS38650	Bearing 6309	1	
18	69040832	YQX100.057	Seal ring	3	
19	69106341	YDS30.102	Screw plug	2	
20	69087658	YQX100.061	Space ring	1	
21	69087659	YQX100.069	Space ring	1	
22	69040829	YQX100.058	Gear III	1	
23	69044954	YQX100.074	Plate	1	

图9-17/ Fig. 9-17

离合器/ HYDRAULIC CLUTCH (TOR-CON TYPE)

FD50-100T



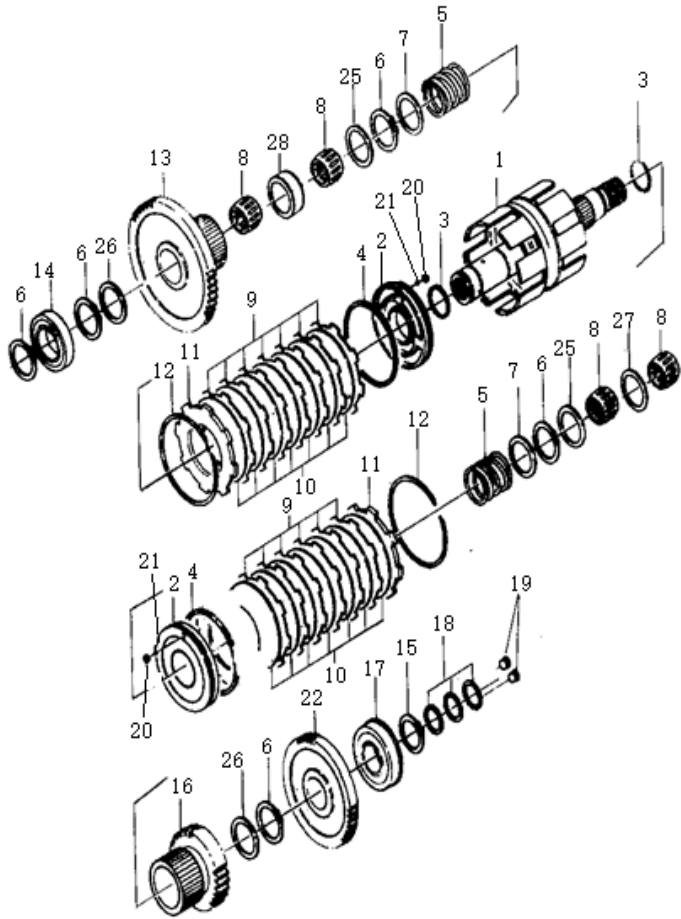
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69044955	YQX100.075	Plate	1	
25	69044957	YQX100.062	Thrust ring	2	
26	69044956	YQX100.059	Thrust ring	2	

图9-18/ Fig. 9-18

离合器/ HYDRAULIC CLUTCH (TOR-CON TYPE)

FD120T-MXWQ3

FD120T-MG(11)3



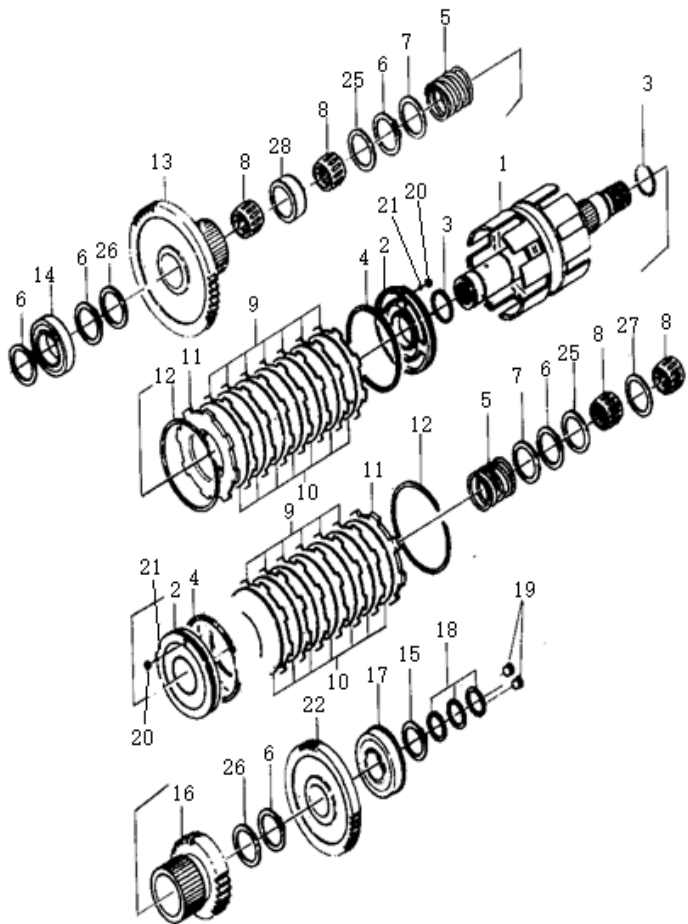
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69039850	YQX100.805	Shaft ass'y	1	YQX120.901
-	69141227	YQX100.807	Shaft ass'y	1	YQX120.902
2	69142312	15793-82031	Piston	2	
3	69040830	YQX100.068	Seal ring	2	
4	69040831	YQX100.073	Seal ring	2	
5	69069298	YQX100.064	Spring	2	
6	69005096	GB/T894.1-Φ50	Clip spring 50	5	
7	69067926	YQX100.063	Spring seat	2	
8	69031932	LS31932	Needle bearing K505820	4	
9		YQX100.066	Plate friction (Out)	16	
10	69011474	YQX100.065	Plate friction (Inner)	15	
11	69061244	YQX100.067	End plate	1/11 x2	
12	69067913	YQX100.070	Snap ring	2	
13	69031931	LS31931	Gear I	1	YQX120.901
-	69141229	YQX100C.004	Gear IV	1	YQX120.902
14	69058028	LS58028	Bearing 6210	1	
15	69000071	GB/T894.1-Φ45	Axis Circlip 45	1	
16	69141230	YQX120.002	Gear II	1	
17	69138370	GB/T276-6309	Bearing 6309	1	
18	69040832	YQX100.057	Seal ring	3	
19	69106341	YDS30.102	Screw plug	2	
20	69141231	YDS30.006	Plug	2	
21	69138382	GB/T308-2002	Ball 3.175G200b	2	
22	69040829	YQX100.058	Gear III	1	
24	69044955	YQX100.075	Plate	1	

图9-18/ Fig. 9-18

离合器/HYDRAULIC CLUTCH (TOR-CON TYPE)

FD120T-MXWQ3

FD120T-MG(11)3

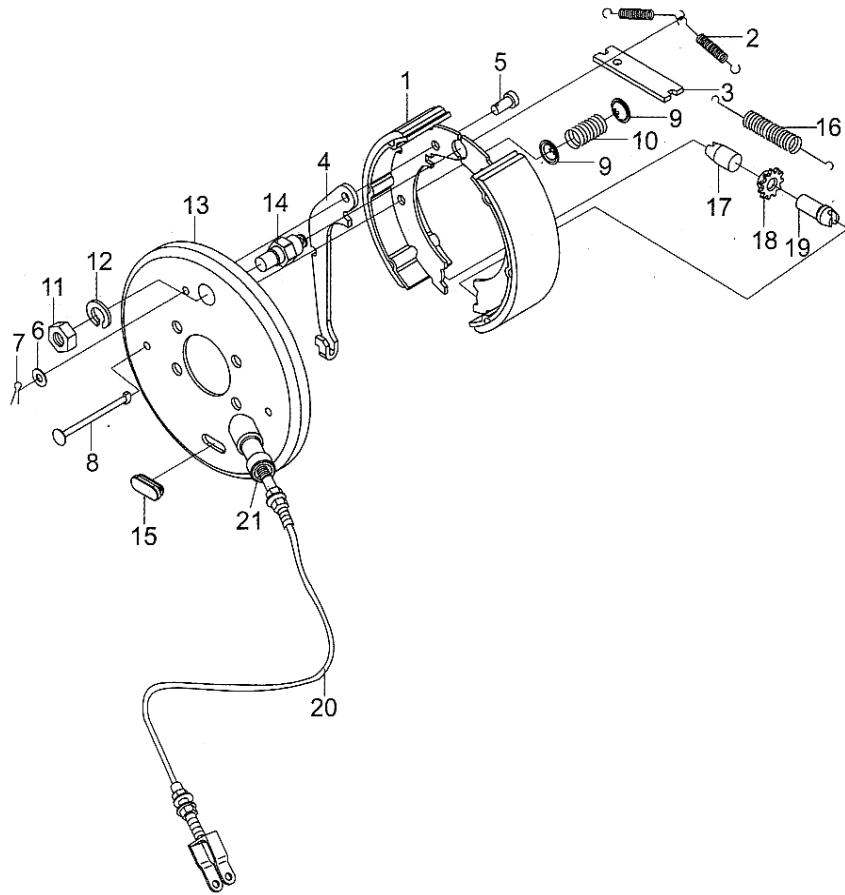


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69044957	YQX100.062	Thrust ring	2	
26	69044956	YQX100.059	Thrust ring	2	
27	69087658	YQX100.061	Separate plate	1	
28	69087659	YQX100.069	Separate plate	1	

图9-19/Fig9-19.

停车制动总成/PRAKING BRAKE ASSEMBLY

FD50-120T

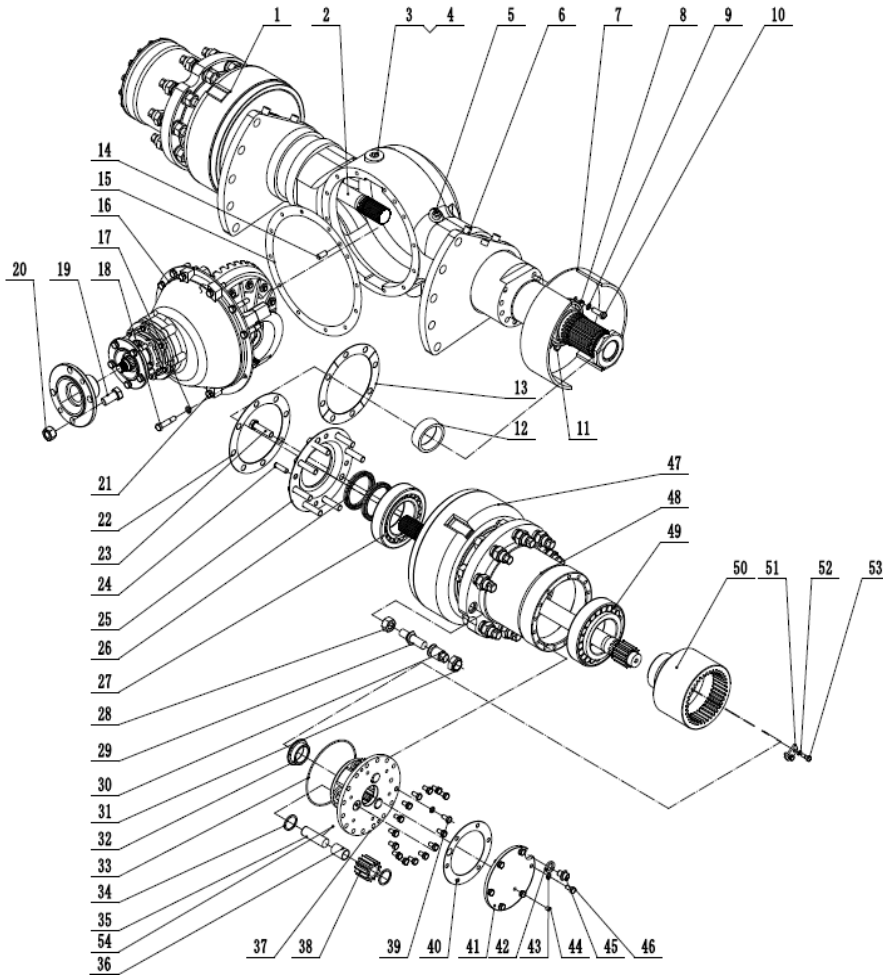


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69030617	ZY3507-01100	Parking brake shoe ass'y	2	
2	69040965	ZY3507-01001	Spring	2	
3	69141232	ZY3507-01002	Plate	1	
4	69141233	ZY3507-01003	Lever	1	
5	69008070	GB/T882-Φ8*18	Pin B8×18	1	
6	69033314	GB/T95-M8	Washer 8	1	
7	69006485	GB/T91-3*20	Pin 3×20	1	
8	69141234	ZY3507-01004	Positioning pin	1	
9	69141235	ZY3507-01005	Positioning spring seat	1	
10	69141236	ZY3507-01006	Positioning spring	1	
11	69080732	GB/T6171-M8*1-8J	Nut M8	1	
12	69000062	GB/T93-8	Washer 8	1	
13	69141237	ZY350701200	Parking brake plate ass'y	1	
14	69141238	ZY350701007	Pin	1	
15	69141239	ZY350701008	Plug	1	
16	69141240	ZY350701009	Spring	1	
17	69141241	ZY350701010	Adjuster cover	1	
18	69141242	ZY350701011	Adjuster wheel	1	
19	69141243	ZY350701012	Adjuster screw	1	
20	69024655	ZY350702A000	Parking brake cable ass'y	1	
21	69141244	ZY350702A001	Spring	1	

图10-1/ Fig. 10-1

驱动桥/DRIVE AXLE

FD50-70T

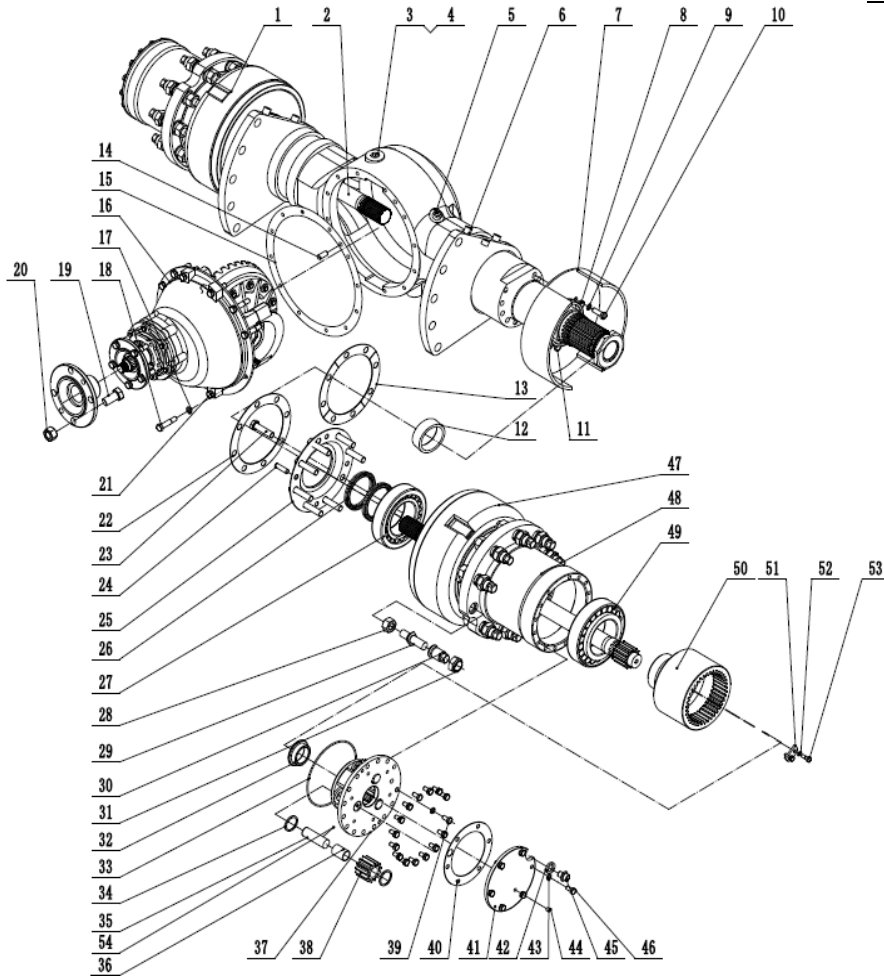


序号	物料号	代号	名称	数量	备注
n No.	ID.	Part No.	Description	Q'ty	Remark
A	69044284	M6043001000	Drive Axle ass'y	1	安庆
1	69141245	REF000649L	Wheel Brake ass'y (L.H.)	1	
2	69087607	25783-30-104	Half axle	1	
3		25783-60-101	Screw plug M24x2x21.5	3	
4		Z6700-02427	Combination washer 24	3	
5	69070030	90106-65690	Breather plug	1	
6	69141246	25783-10-00	Housing ass'y	1	
7	69141247	REF000649R	Wheel Brake ass'y (R.H.)	1	
8	69088938	25783-72542	Bolt	12	
9		B5313-00016	Washer 16	4	
10	69088940	25783-72552	Bolt	4	
11	69088939	25783-72562	Bolt	4	
12	69141248	Q07A1-10500	Retainer	2	
13	69088937	25783-30-121	Lock plate	8	
14		B3130-12026	Pin 12x26	1	
15	69141249	25783-30-114	Washer	1	
16	69141250	25783-40-00	Differential ass'y	1	
17	69137312	B5050-00012B	Washer 12	47	
18	69136332	B0330-12035B	Bolt M12x35	8	
19	69141251	25783-40-02B	Bolt	4	
20		B7720-00014	Nut M14	4	
21		B0330-12060	Bolt M12x60	4	
22	69074324	25783-30-116	Gasket	4	
23		B0430-16060	Bolt M16x1.5x60	16	
24		B3130-12045	Pin 12x45	4	

图10-1/ Fig. 10-1

驱动桥/DRIVE AXLE

FD50-70T

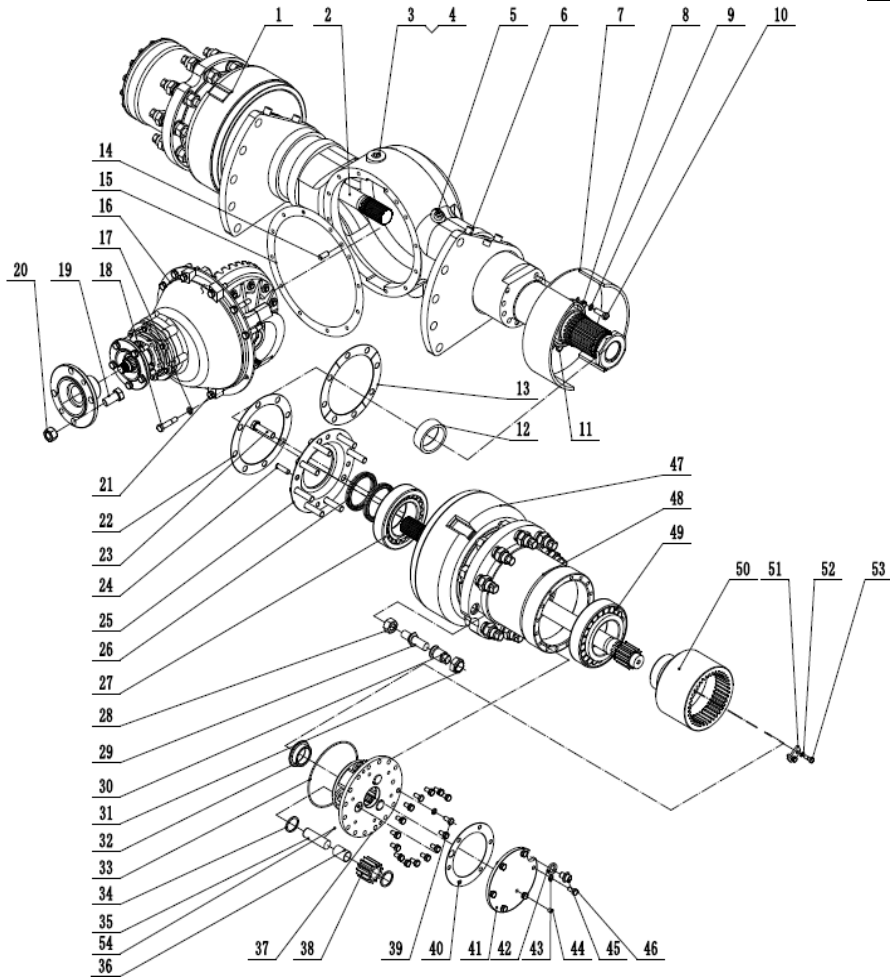


序号	物料号	代号	名称	数量	备注
m No.	ID.	Part No.	Description	Q'ty	Remark
25	69074322	25783-30-102	Oil baffle disc	2	
26		TB12015514	Oil seal 120x155x14	4	
27	69074332	Z-33020	Bearing33020	2	
28		B4233-00022	Nut M22x1.5	20	
29	69079641	25783-30-113	Hub bolt	20	
30	69092022	24463-00060G2/24463-00050G2/Q12A2-10308/B4233-0002	Nut	20	
31		24463-00060G2	Nut	20	
32	69074326	25783-30-108	Half axle sleeve	2	
33	69054241	Z6053-19003	O-ring 190x3.55	2	
34	69084131	25783-30-117	Washer $\Phi 25.5 \times \Phi 42 \times 2.1$	12	
35	69084130	25783-30-110	Gear shaft	6	
36	69095677	Z-K253222	Needle bearing K253222	12	
37	69088514	25783-30-109	Gear carrier	2	
38	69084129	25783-30-111/1	Planet gear	6	
39		B0530C-12035	Bolt M12x1.5x35	30	
40	69141252	25783-30-115	Gasket	2	
41	69085460	25783-30-112	Half axle end cap	2	
42	69085461	25783-60-104	Washer $\Phi 14.7 \times \Phi 20 \times 2$	2	
43		B5050-00010	Washer 10	12	
44	69083116	25783-60-102	Screw plug RC1/8	2	
45	69083117	25783-60-103	Screw plug M14x1.5	2	
46		B0530-10020	Bolt M10x1.25x20	12	
47	69079987	25783-30-101	Brake drum	2	
48	69085795	25783-30-103	Hub	2	
49	69047390	32221	Bearing32221	2	

图10-1/ Fig. 10-1

驱动桥/DRIVE AXLE

FD50-70T

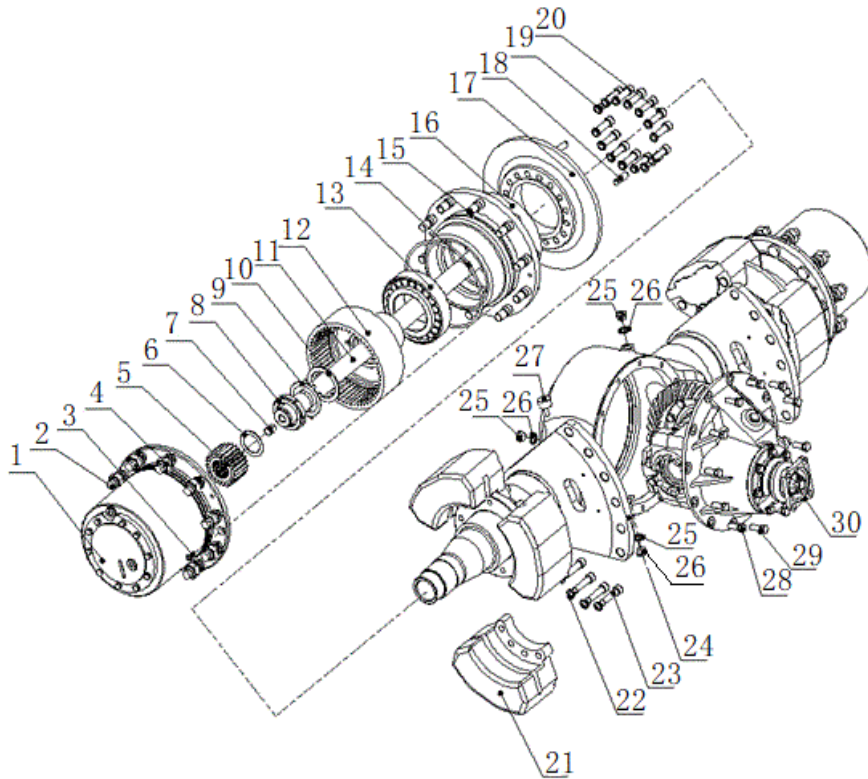


序号	物料号	代号	名称	数量	备注
m No.	ID.	Part No.	Description	Q'ty	Remark
50	69141253	25783-30-105	Inner gear ring	2	
51	69084132	25783-30-106	Block	2	
52	69088946	B5050-00008	Washer 8	4	
53		B0330-08020	Bolt M8x20	4	
54	69084133	Z1510-G0060	Ball Φ6	6	

图10-2/ Fig. 10-2

驱动桥/DRIVE AXLE

FD80-100T

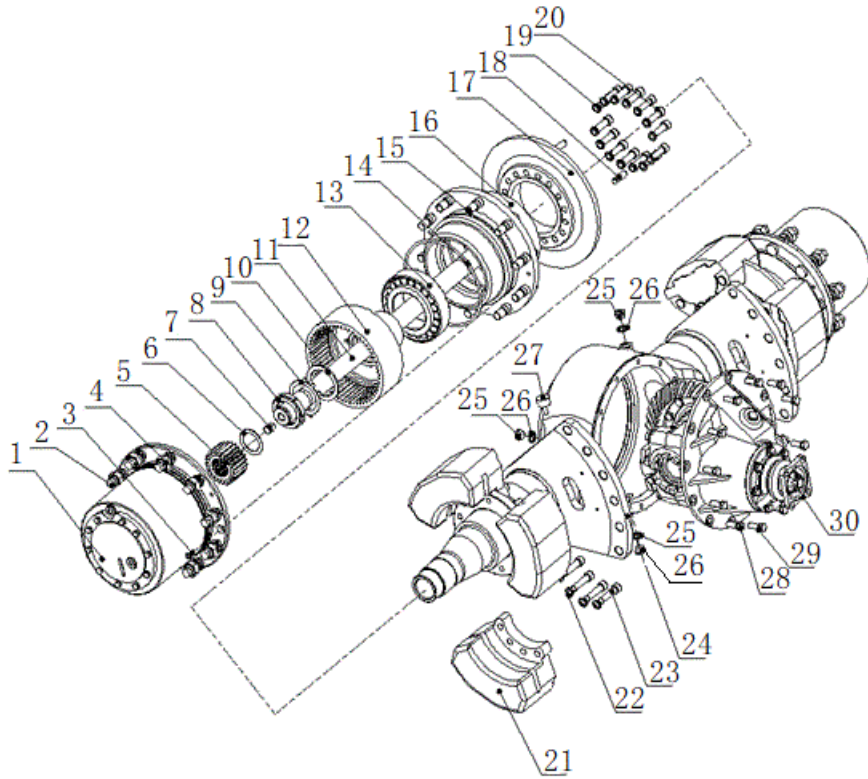


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141254	80100HC00-02-06	Planetary frame assembly	2	
2	69093338	XQP070.2-8	Rim barrel	20	
3		GB/T819.1-M10*25	Screw M10X25	4	
4	69093339	XQP070.2-9	Ball nut	20	
5		8103203	Sun gear	2	
6		8103225	Sun gear pad	2	
7		8103044	Adjustment pillar	2	
8		8103218	Nut	2	
9	69032131	GB/T858-1988-80	Washer 80	2	
10		80103217	Pad	2	
1-1		810003	Half shaft (right)	1	
1-2		810004	Half shaft (left)	1	
12		8103216	Tooth ring support component	2	
13		GB/T297-32222	Bearing 32222	2	
14		GB/T3452.1-250*7	O ring 250x7	2	
15	69141263	8010LGQT-10-02	Bolt	20	
16	69141264	8010LGQT-10-01	Hub	2	
17	69141265	AS110-111201-G00	Brake disc	2	
18	69023333	GB/T119.2-Φ16*50	Pin 16x50	4	
19	69000056	GB/T93-16	Washer 16	28	
20		DIN912-M16*1.5*65	Bolt M16x1.5x65	28	
21	69141266	DY-JQ-15S(H)-00	Disc brake	2	
22	69000056	GB/T93-16	Washer 16	24	
23		DIN912-M16*1.5*65	Bolt M16x1.5x65	24	
24	69141267	8010LGQT-20-00	Drive axle housing	1	

图10-2/Fig. 10-2

驱动桥/DRIVE AXLE

FD80-100T

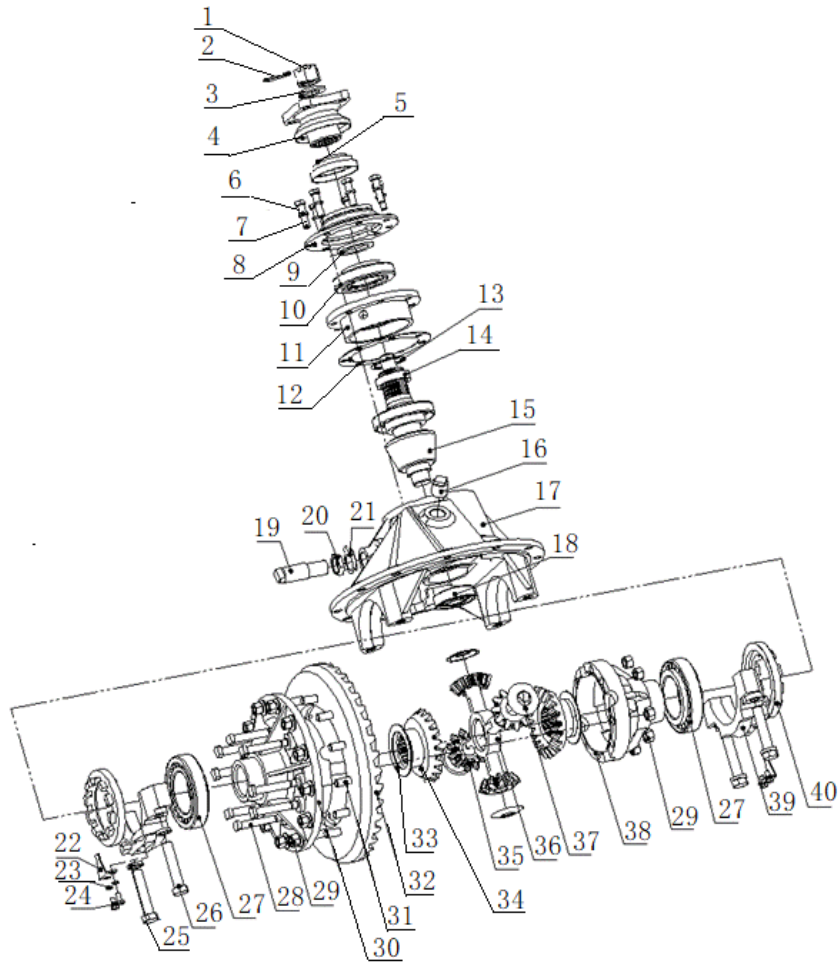


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69138444	JB1001-77-M22*1.5	Screw plug M22x1.5	3	
26	69138442	JB982-77-22	Combination washer 22	3	
27	69141268	IF300-117007-000	Vent plug	1	
28	69008456	GB/T5786-M14*1.5*40	Bolt M14x1.5x40	12	
29	69005111	GB/T93-14	Washer 14	12	
30	69141269	8010LG-03-00	Main reductor assembly	1	

图10-3/Fig10-3.

主减速器/ REDUCER ASS'Y

FD80-100T

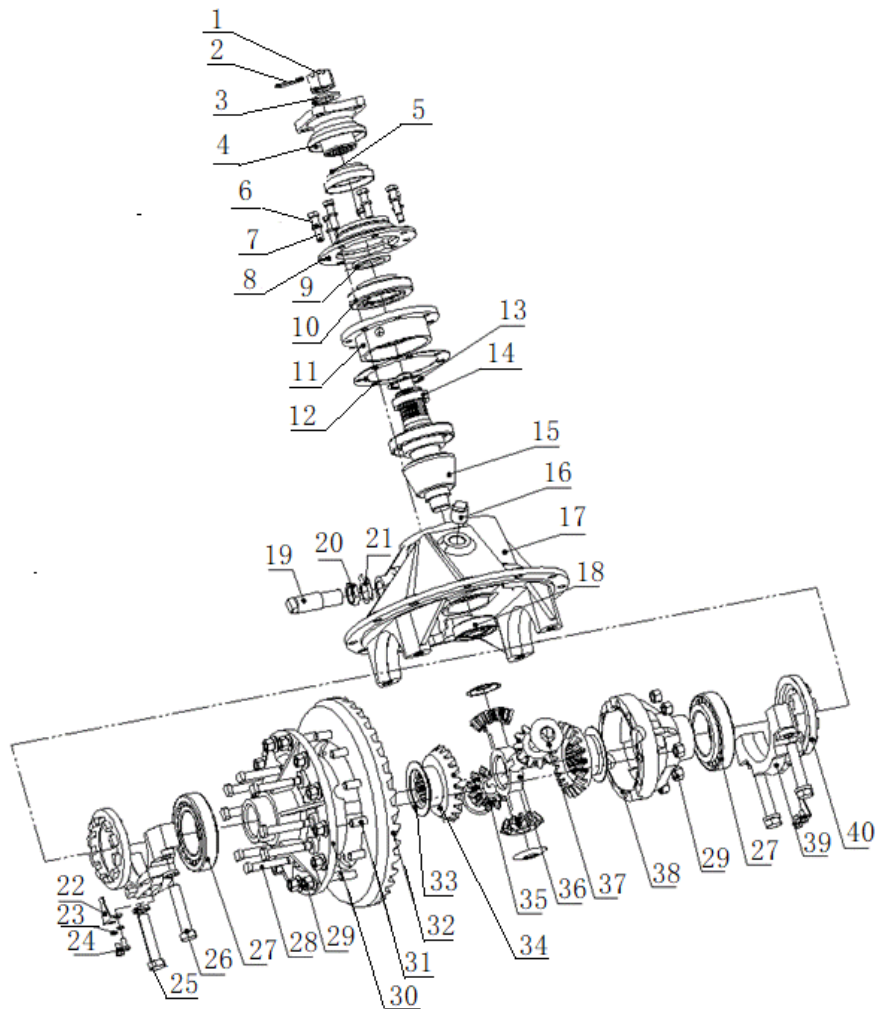


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1		8102027	Slotted nut	1	
2		GB/T91-d5*55	Cottler pin 5x55	1	
3		8102026	Slotted nut washer	1	
4		8102025	Connecting flange welding	1	
5		8102024	Oil sealing	1	
6	69000054	GB/T93-12	Washer 12	7	
7	69000156	GB/T5783-M12*45-8.8J	Bolt M12x45	7	
8		8102022	Oil sealing seat	1	
9		8102023	Flange washer	1	
10	69138338	GB/T297-31311	Taper roller bearing 31311	2	
11		8102021	Bearing seat	1	
12		8102029	Adjusting washer	1组	
13		8102020	Bearing adjusting washer	1组	
14		8102019	Bearing sleeve	1	
15		8102028	Drive bevel gear	1	
16		8102030	Four corners plug	1	
17		8102015	Reductor housing	1	
18		GB/T283-NJ307E	Cylindrical roller bearing NJ307E	1	
19		8102018	Copper head bolt	1	
20		8102016	Thin nut	1	
21		8102017	Copper head bolt	1	
22		8102010	Safety piece	2	
23		8102011	Safety washer	4	
24		8102012	Nut	4	
25		GB/T7244-18	Washer 18	4	

图10-3/ Fig10-3.

主减速器/ REDUCER ASS'Y

FD80-100T

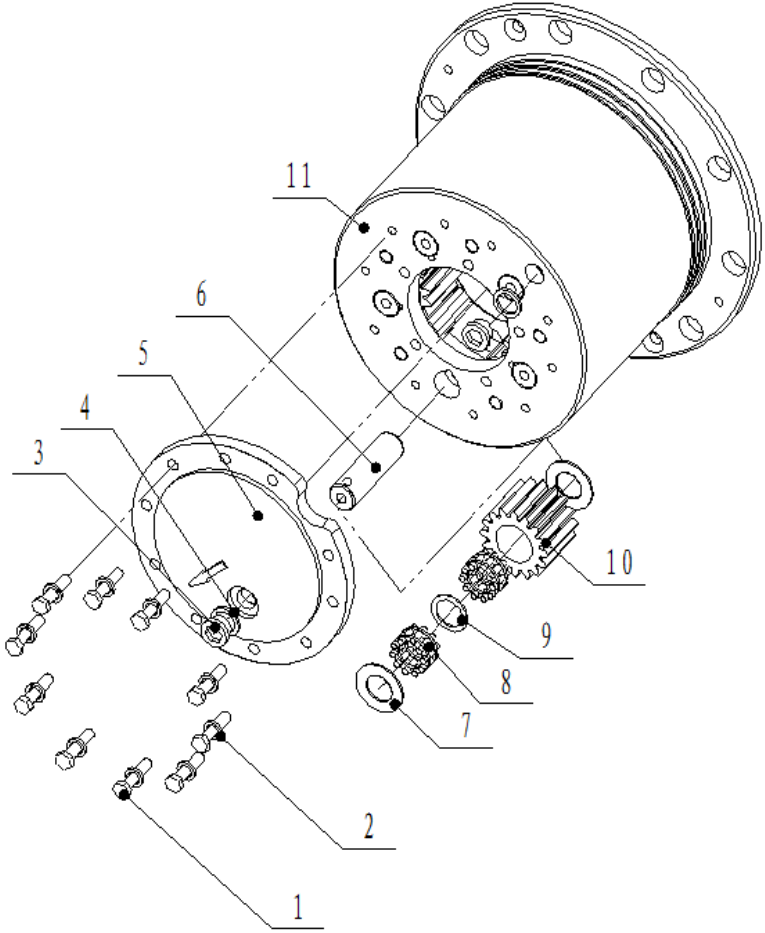


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26		GB/T5782-M18*90	Bolt M18x90	4	
27	69032132	LS32132	Taper roller bearing 32216	2	
28		8102003	Flat wire bolt	8	
29	69000316	GB/T6171-M14*1.5-8J	Nut M14x1.5	20	
30		8102008	Differential, Right	1	
31		8102007	Bolt	12	
32		8102006	Driven bevel gear	1	
33		8102013	Half shaft gear	2	
34		8102002	Half shaft gear washer	2	
35		8102014	Planetary gear	4	
36		8102005	Cross shaft	1	
37		8102004	Planetary gear washer	4	
38		8102001	Differential, Left	1	
39		8102009	Bearing cap	2	
40		8102012	Nut	2	

图10-4/ Fig10-4.

行星架总成/ PLANETARY FRAME ASS'Y

FD80-100T

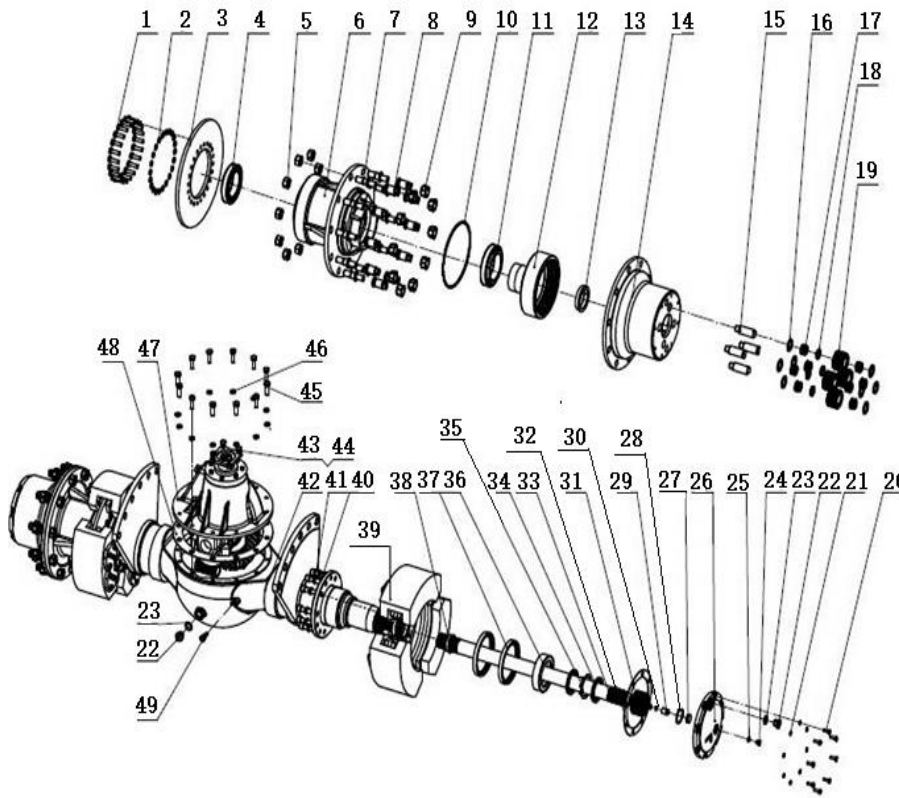


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000125	GB/T5783-M10*25-8.8J	Bolt M10x25	10	
2	69000053	GB/T93-10	Washer 10	10	
3		JB/T1001-77	Screw plug M22x1.5	2	
4	69000358	JB/T982-22	Combination washer 22	2	
5		8103202	End plate	1	
6		8103207	Planetary axle	5	
7		8103204	Planetary wheel pad	10	
8		8103229	Bearing K28x40x27	10	
9		8103206	Sleeve	5	
10		8103205	Planetary gear	5	
11		8103230	Planetary wheel shell	1	

图10-5/Fig. 10-5

驱动桥/DRIVE AXLE

FD120T

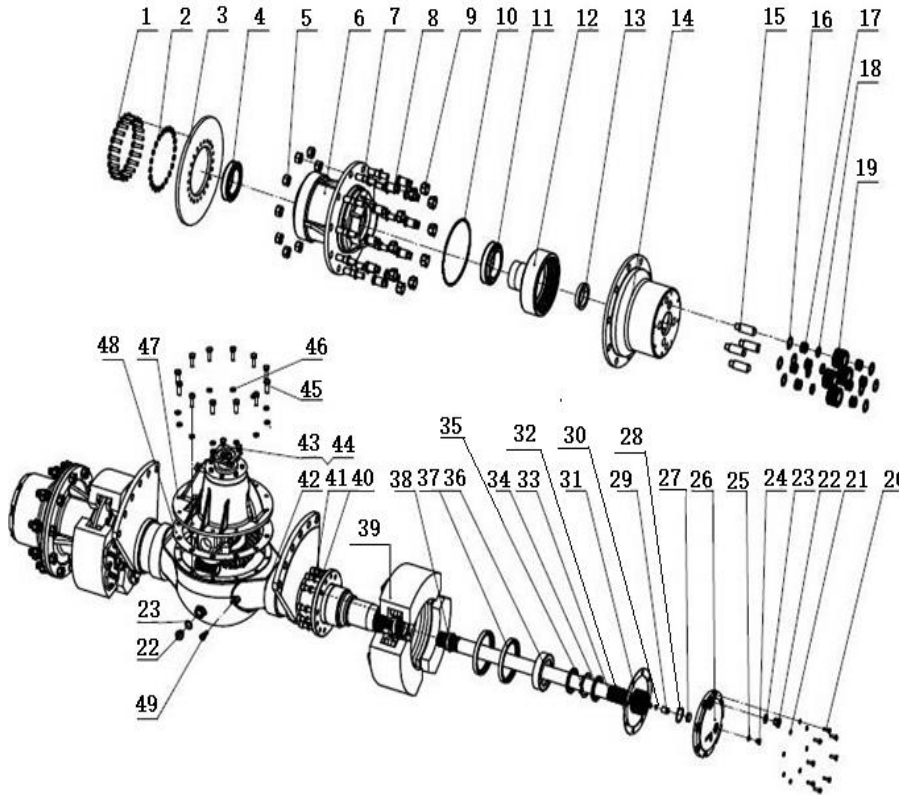


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1		B0530-12040B	Bolt M12x1.25x40	44	
2	69137312	B5050-00012B	Washer 12	44	
3		Q12A2-10306	Brake dsic QT450-10	2	
4		GB/T297-Z-32020	Tapered roller bearing Z-32020	2	
5		B4233-00022	Nut M22x1.5	20	
6	69141306	Q12A2-10307	Hub	2	
7		Q12A2-10308	Hub bolt	20	
8	69092022	24463-00060G2/24463-00050G2/Q12A2-10308/B4233-0002	Column nut	20	
9		24463-00060G2	Ball nut M30x1.5	20	
10		Z6003-25505	O ring 255x5.3	2	
11	69079630	LS79630	Tapered roller bearing Z-32021	2	
12	69141307	10T11-00024	Ring gear	2	
13	69141308	10T11-02027	Taper sleeve	2	
14	69141309	Q12A2-10305	Planetary gear carrier	2	
15	69141310	10T11-02010	Planetary gear shaft	8	
16		10T11-02011	Washer 30	16	
17	69083156	K30*37*20	Bearing K30x37x20	16	
18	69141311	10T11-02012	Bushing	8	
19	69141312	10T11-02009	Planetary gear	8	
20	69000200	GB/T5783-M8*25-8.8J	Bolt M8x25	16	
21	69135310	B5050-00008B	Washer 8	16	
22		25783-60-101	Screw plug M24x2x21.5	5	
23		Z6700-02427	Combination seal gasket 24	5	
24	69141313	10T11-02025	Oil lever screw plug	2	
25	69000353	JB/T982-12	Combination seal gasket 12	2	

图10-5/ Fig. 10-5

驱动桥/DRIVE AXLE

FD120T

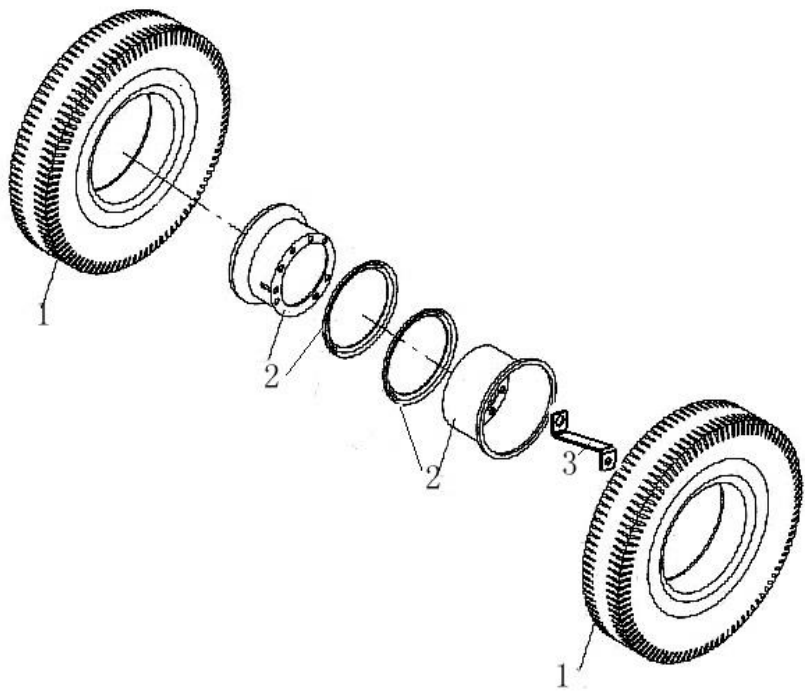


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69141314	10T11-02013	End plate	2	
27	69141315	10T11-02020	Wear resistant block	2	
28		B6150-00050	Retainer ring 50	2	
29	69141316	10T11-02019	Adjusting pillar	2	
30		B5323-00008	Washer 8	4	
31	69141318	10T11-02021	Sun gear	2	
32	69141317	Q12A2-10311	Sealing washer	2	
33	69141319	Q12A2-10309	Half axle	2	
34		10T11-02030	Round nut M75x2	4	
35	69141320	B5512-00075	Lock washer	2	
36	69141321	10T11-02006	Oil seal retainer ring	2	
37	69141763	Z6351-14016	Oil sealing 140x170x16	4	
38		10T11-02007	Bearing GS-2	2	
39	69093335	Q12A2-10202	Brake caliper assembly	6	
40	69136495	Q12A2-10312	Brake caliper bolt	34	
41	69139500	B5050-00016B	Washer 16	24	
42	69141322	Q12A2-10200	Drive axle housing	1	
43	69141251	25783-40-02B	Main differential bolt	4	
44		B7720-00014	Nut M14x1.5	4	
45		B05300B-14035B	Bolt M14x1.5x35	12	
46	69135292	B5050-00014B	Washer 14	12	
47	69141323	10T11-00025	Main differential assembly	1	
48	69141324	10T11-00040	Gasket	1	
49	69070030	90106-65690	Breather plug	1	

图10-6/Fig10-6.

前轮总成/FRONT WHEEL ASS'Y

FD50-100T



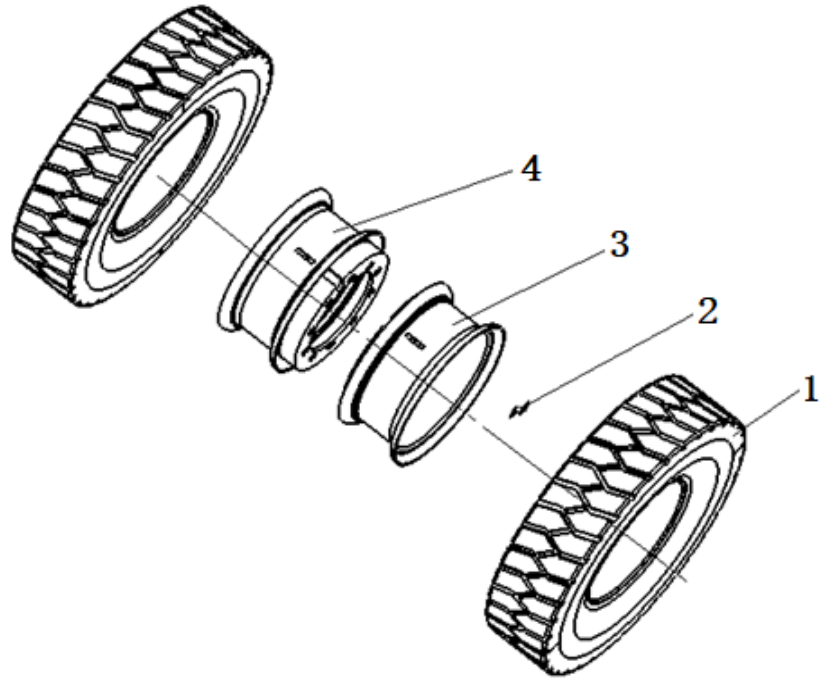
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	NA	-	Front wheel assembly	2	
1	69007904	M6043302000-1-C	Rim 8.25-15-14PR	4	5-7T
-	69011727	10A33-01000-B	Rim 9.00-20-14PR	4	8-10T
2	69011398	M6043301000-B	Tyre 6.5-15	4	5-7T
-	69011825	10A33-03000-1-C	Tyre 7.00T-20	4	8-10T
3	69007546	M6043300001	Air cock bracket	2	5-7T
-	69022834	10A33-00001	Air cock bracket	2	8-10T

图10-7/ Fig10-7.

前轮总成/Front Wheel Ass'y

FD120T-MXWQ3

FD120T-MG(11)3

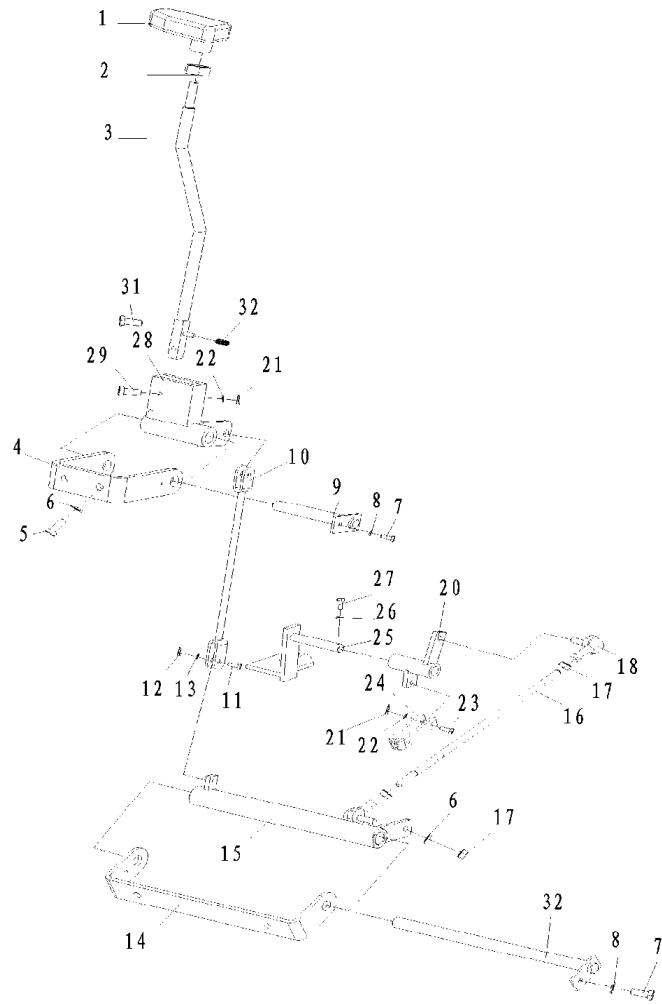


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	NA	-	Front wheel assembly	2	
1	69040899	12A33X-03000-1-C	Tyre 10.00-20-18PR	4	
2	69044354	12A33X-00001	Air cock bracket	2	
3	69040897	12A33X-01000	Rim I (front) 7.50V-20	2	
4	69040898	12A33X-02000	Rim II (front) 7.50V-20	2	

图11-1/Fig. 11-1

变速箱操纵/TRANSMISSION CONTROL LINKAGE

FD50-100T-MG(4)2、FD50-100T-MWL2、FD50-70T-MWJ2

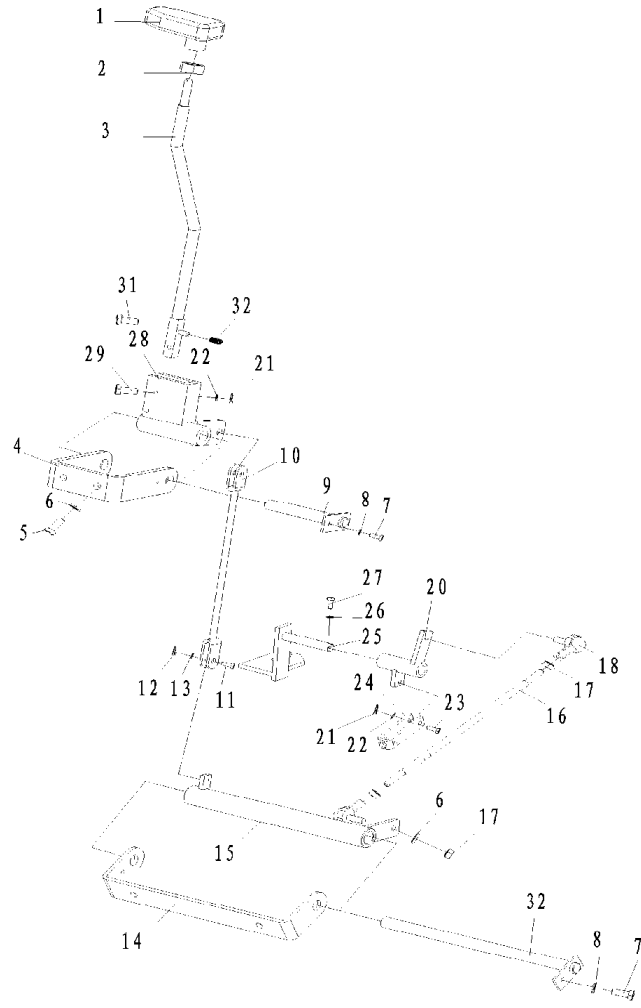


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69029736	M604390000□	Transmission control	1	
1	69141325	M6043911000	Knob	1	
2	69017617	GB/T6172.1-M10-8J	Nut M10	1	
3	69006550	M6043901000	Lever	1	
4	69141326	M6043902000	Bracket(up)	1	
5	69000200	GB/T5783-M8*25-8.8J	Bolt M8x25	4	
6	69000062	GB/T93-8	Washer 8	7	
7	69000189	GB/T5783-M6*12-8.8J	Bolt M6x12	2	
8	69000060	GB/T93-6	Washer 6	2	
9	69141327	M6043903000	Pin shaft ass'y	1	
10		M6043905000	Lever	1	
11	69008070	GB/T882-Φ8*18	Pin B8x18	2	
12	69009082	GB/T91-3.2*25	Pin 3.2x25	3	
13	69000259	GB/T97.1-8	Washer 8	3	
14	69141328	M6043906000	Bracket(down)	1	
15	69036085	M6043907000 备件	Lever ass'y	1	
16	69022080	M6043900003	Link	1	
17	69134579	GB/T6172.1-M8-8J	Nut M8	4	
18	69021314	M6043912000右	Oscillating bearing	2	
19	69000250	GB/T97.1-10	Washer 10	1	
20	69067633	M6043908000	Lever ass'y	1	
21	69042673	GB/T91-1.6*20	Cotter pin 1.6x20	2	
22	69000258	GB/T97.1-6	Washer 6	2	
23	69000319	GB/T882-Φ6*25	Pin B6x25	1	
24	69008042	M6043900002	Lever	2	

图11-1/Fig. 11-1

变速箱操纵/TRANSMISSION CONTROL LINKAGE

FD50-100T-MG(4)2, FD50-100T-MWL2, FD50-70T-MWJ2,

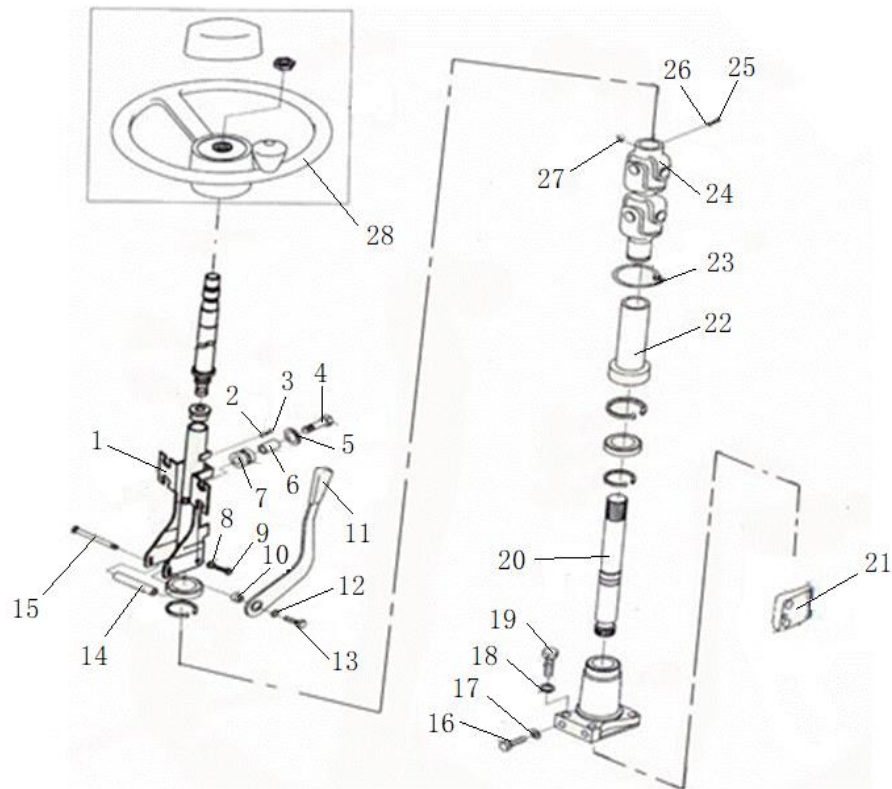


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69141329	M6043910000	Bracket	1	
26	69000053	GB/T93-10	Washer 10	6	
27	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	2	
28	69141330	M6043904000	Lever ass'y	1	
29	69005855	GB/T91-6*50	Cotter pin 6x50	2	
30	69000319	GB/T882-Φ6*25	Pin 6x25	1	
31	69141331	M6043900001	Spring	1	
32	69141332	M6043909000	Pin shaft ass'y	1	

图12-1/ Fig. 12-1

转向装置及安装/STEERING SYSTEM

FD50-120T

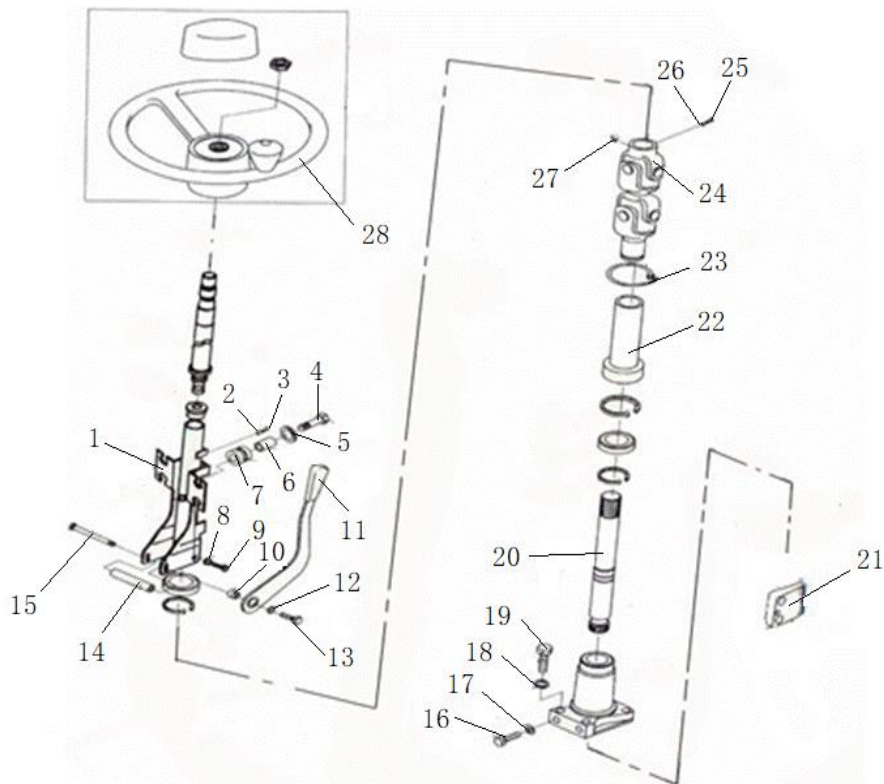


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69006512	M6044201000	Column ass'y	1	
2	69000258	GB/T97.1-6	Washer 6	4	
3	69041306	GB/T67-M6*12-4.8J	Screw M6x12	4	
4	69011770	GB/T5782-M6*35-8.8J	Bolt M6x35	4	
5	69141333	M6044200003	Washer	4	
6	69141334	M6044200004	Collar	4	
7	69141335	M6044200005	Rubber collar	4	
8	69006999	M6044200010	Washer	2	
9	69141336	M6044200011	Bolt	2	
10	69058951	M3034200004	Nut (L.H.)	1	
11	69001858	M3034204000	Lock handle	1	
12	69006706	GB/T96.1-10	Washer 10	1	
13	69058950	M3034200005	Bolt M10x16(L.H.)	1	
14	69141337	M3034200003	Collar	1	
15	69001857	M3034200002	Connecting shaft	1	
16	69000002	GB/T5783-M12*25-8.8J	Bolt M12x25	2	
17	69000054	GB/T93-12	Washer 12	2	
18	69000053	GB/T93-10	Washer 10	4	
19	69017603	GB/T5782-M10*45-8.8J	Bolt M10x45	4	
20	69006513	M6044203000	Connecting shaft ass'y	1	
21	69141338	M6044200014	Adjusting shim	1	
22	69141339	M6044200001	Dustproof cover	1	
23	69000661	A25724-02020	Cable tie ZD4x200	1	
24	69052527	M6044202000	Cardan joint	1	
25	69000311	GB/T5783-M8*35-8.8J	Bolt M8x35	1	

图12-1/ Fig. 12-1

转向装置及安装/STEERING SYSTEM

FD50-120T

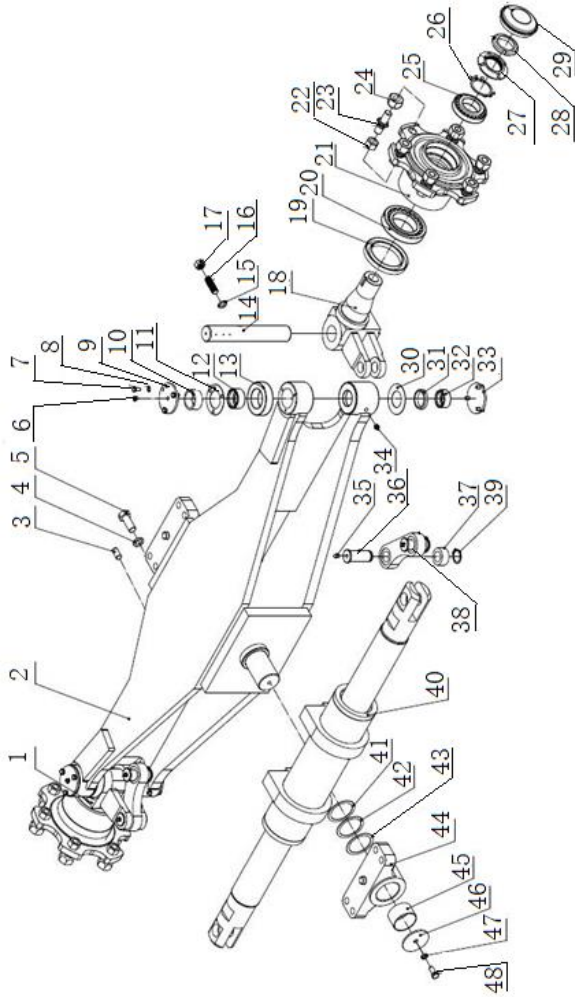


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69000062	GB/T93-8	Washer 8	1	
27	69136417	GB1152-79	Nipple M10x1	1	
28	69001648	M3034201000	Steering wheel ass'y φ360	1	

图12-2/ Fig. 12-2

转向桥及安装/STEERING AXLE

FD50-70T

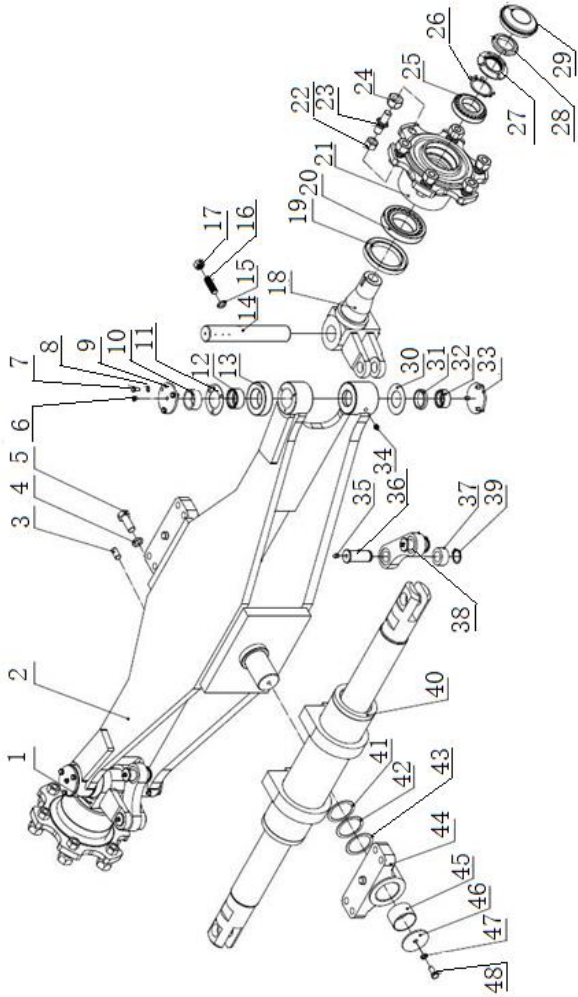


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69006217	M6044301000	Steering axle	1	A43E4-30001B
1	69141340	A43E-30211	Knuckle ass'y(left)	1	
2	69141341	A43E-30201	Steering axle body	1	
3		B3130-16032	Pin B 16x32	2	
4	69139503	B5050-00020B	Washer 20	4	
5		B0530-20050B	Bolt M20x1.5x50	4	
6	69135303	Q701B90	Nipple Q701B90	2	
7	69135311	B0330-08016B	Bolt M8x16	12	
8	69135310	B5050-00008B	Washer 20	6	
9	69141342	25784-3211B	King pin cap	2	
10	69060060	HK455524	Needle bearing 942/45	8	
11	69044771	25784-32421	Gasket washer	2	
12	69039326	25904-32041	Bushing	2	
13		Z-198911K	Thrust bearing Z-198911K	2	
14	69141343	A43E-30251	King pin	2	
15	69139500	B5050-00016B	Washer 16	2	
16		B8050-16045B	Screw M16x45	2	
17		B4133-00016B	Nut M16	2	
18	69141344	A43E-30221	Knuckle ass'y(Right)	1	
19		Z6301-09534	Oil sea B95x130x12D	2	
20	69023985	LS23985	Bearing 32215	2	LS23985
21	69046267	25784-32291	Hub	2	
22		B4223-00020B	Nut M20x1.5	12	
23	69141345	24354-42301B	Hub bolt	12	
24	69141346	25784-42121B	Hub nut	12	

图12-2/ Fig. 12-2

转向桥及安装/STEERING AXLE

FD50-70T

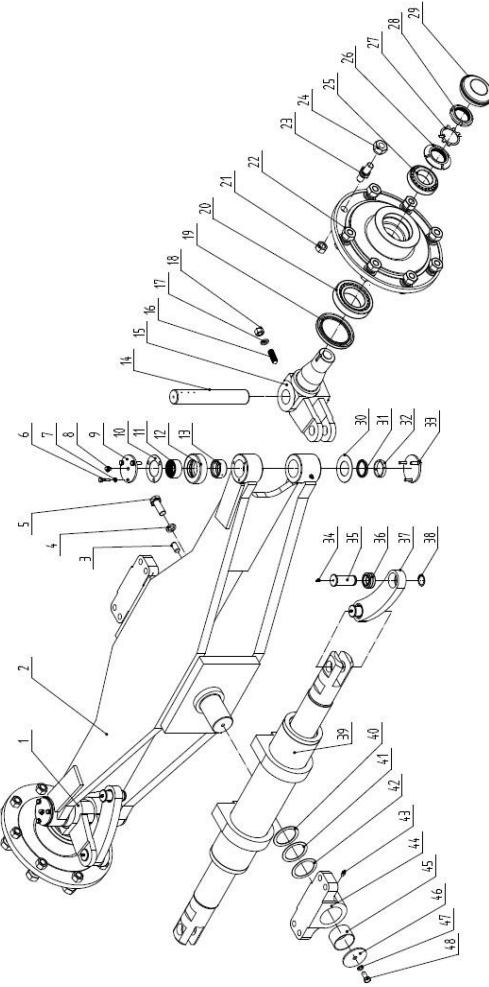


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69020397	LS20397	Bearing 32211	2	LS20397
26		B5512-00025	Washer 55	2	
27	69141347	A02Z4-32171	More round nut	2	
28		B4832-00055	Round nut M55x2	2	
29	69011481	22654-32281	Hub cap	2	
30	69008329	25784-32161	Adjusting washer 85x45.5x20	2	
31	69038643	E01D4-12151	Oil sealing	2	
32	69039320	25784-32151	Spacer bush	2	
33	69056283	25784-32141B	King pin cap, Below	2	
34	69135313	Q700B06	Nipple Z1/8	4	
35		Q700B67	Nipple M6	4	
36	69141348	A43E4-30241B	Link pin	4	
37		Z-GE30ES	Bearing GE30ES	4	
38	69040732	A43E4-30231	Link pin	4	
39		B6150-000030	Retainer ring 30	4	
40	69141349	A43E4-50201CQ	Steering cyliner assembly	1	
41	69086877	25784-32371	Adjusting washer 85x66x2.3	2	
42	69086878	25784-32381	Adjusting washer 85x66x1.0	2	
43	69086879	25784-32391	Adjusting washer 85x66x0.5	2	
44	69040772	25786-13132	Steering axle seat	2	
45	69040773	25786-13141	Bushing	2	
46	69141350	22654-32271B	Axle baffle	2	
47	69137312	B5050-00012B	Washer 12	2	
48		B5030-12025B	Bolt M12x1.25x25	8	

图12-3/ Fig. 12-3

转向桥及安装/STEERING AXLE

FD80-100T

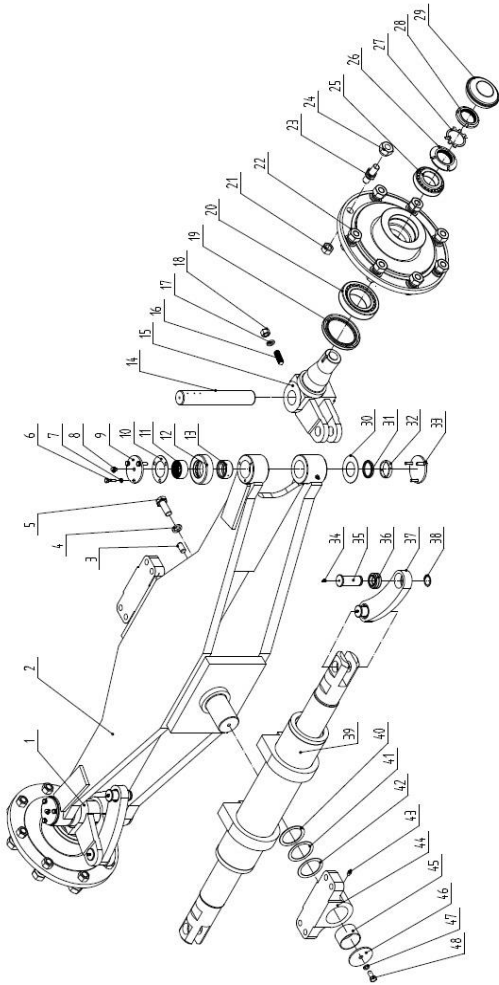


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69011730	10A43-01000	Steering axle	1	A00J4-10001B
1	69095007	A00J4-30602	Steering axle body	1	
2	69141351	55902-40101	Steering cylinder ass'y	1	
3		B3130-16032	Pin B 16x32	2	
4	69135310	B5050-00008B	Washer 20	4	
5		B0530-20050B	Bolt M20x1.5x50	4	
6	69135311	B0330-08016B	Bolt M8x16	12	
7	69135310	B5050-00008B	Washer 20	6	
8	69135303	Q701B90	Nipple Q701B90	2	
9	69141342	25784-3211B	King pin cap	2	
10	69044771	25784-32421	Gasket washer	2	
11		Z942/45	Needle bearing FYx45x55x24	8	
12		Z-198911K	Thrust bearing Z-198911K	2	
13	69039326	25904-32041	Bushing	2	
14	69141343	A43E-30251	King pin	2	
15	69095006	A00J4-30502	Knuckle ass'y(Right)	1	
16		B8050-16045B	Screw M16x45	2	
17	69139500	B5050-00016B	Washer 16	2	
18		B4133-00016B	Nut M16	2	
19		Z6301-09534	Oil seal PD95x130x12	2	
20	69023985	LS23985	Bearing 32215	2	LS23985
21		B4223-00020B	Nut M20x1.5	12	
22	69046267	25784-32291	Hub	2	
23	69141345	24354-42301B	Hub bolt	12	
24	69141346	25784-42121B	Hub nut	12	

图12-3/ Fig. 12-3

转向桥及安装/STEERING AXLE

FD80-100T

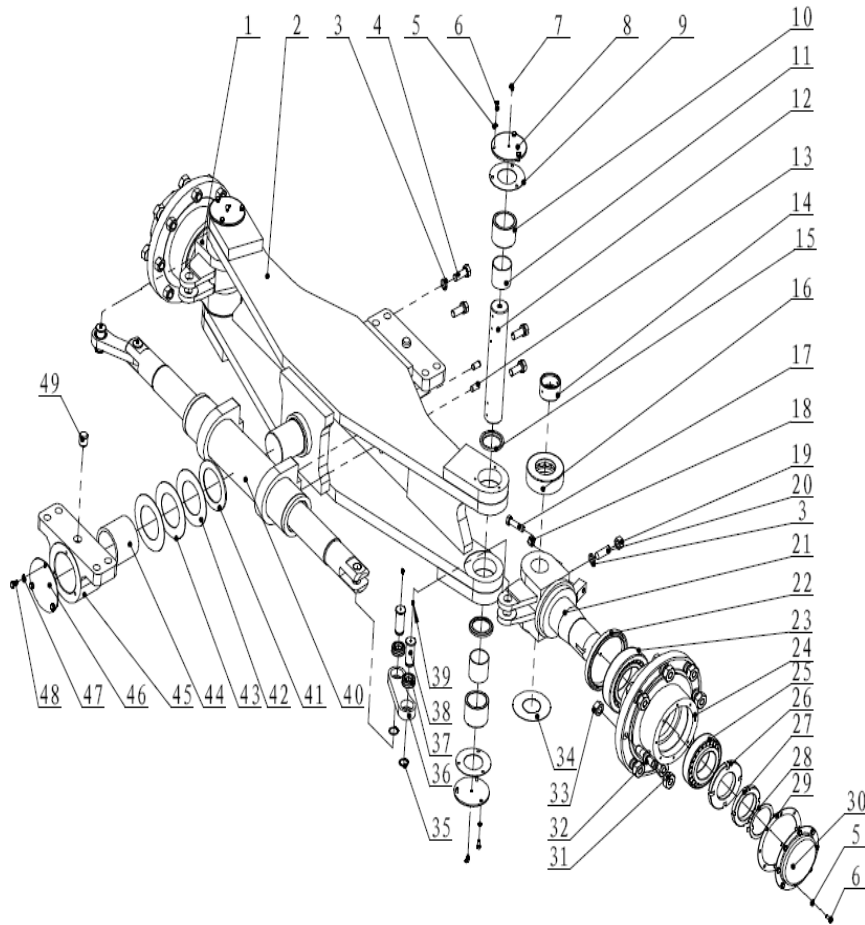


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69020397	LS20397	Bearing 32211	2	LS20397
26	69141347	A02Z4-32171	More round nut	2	
27		B5512-00025	Washer 55	2	
28		B4832-00055	Round nut M55x2	2	
29	69011481	22654-32281	Hub cap	2	
30	69008329	25784-32161	Adjusting washer 85x45.5x20	2	
31	69038643	E01D4-12151	Oil sealing	2	
32	69039320	25784-32151	Spacer bush	2	
33	69056283	25784-32141B	King pin cap. Below	2	
34		Q700B67	Nipple M6	4	
35	69141348	A43E4-30241B	Link pin	4	
36		Z-GE30ES	Bearing GE30ES	4	
37	69047448	A00J4-32101	Link pin	4	
38		B6150-000030	Retainer ring 30	4	
39	69141352	A00J4-50201CQ	Steering cylinder assembly	1	
40	69093427	25904-32141	Adjusting washer 100x71x0.5	2	
41	69093428	25904-32151	Adjusting washer 100x71x1.0	2	
42	69073074	25904-32161	Adjusting washer 100x71x6.0	2	
43	69139491	Q701B06	Nipple Z1/8	4	
44	69093429	25906-12571	Steering axle seat	2	
45	69093430	25906-12581	Bushing	2	
46	69141350	22654-32271B	Axle baffle	2	
47	69137312	B5050-00012B	Washer 12	2	
48		B5030-12025B	Bolt M12x1.25x25	8	

图12-4/ Fig. 12-4

转向桥及安装/STEERING AXLE

FD120T-MXWQ3 ; FD120T-MG(11)3

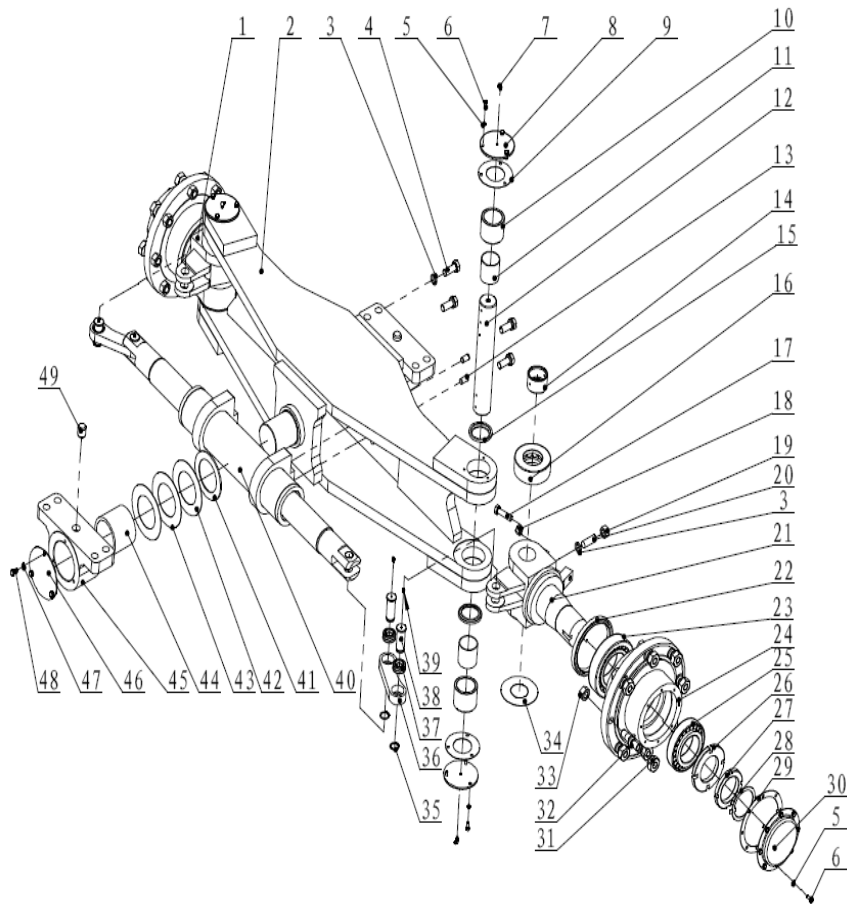


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141353	MKS12-30201	Knuckle L.H.ass'y	1	
2	69141354	MKS12-30101	Steering axle body	1	
3	69139503	B5050-00020B	Washer 20	6	
4		B0532-20050	Bolt M20x1.5x50	4	
5	69088946	B5050-00008	Washer 8	28	
6		B0332-08020	Bolt M8x20	28	
7	69135303	Q701B90	Fitting grease	4	
8	69141355	A50N4-32001	Pin cap	4	
9	69141356	A50N4-32011	Gasket washer	4	
10	69039320	25784-32151	Bearing cover	4	
11	69141357	DF-800-6565	King pin bushing	4	
12	69141358	G01L4-32161	King Pin	2	
13		B3130-16032	PinB16x32	2	
14		A50N4-32381	Bushing75x65x44	2	
15		Z6311-06510	Ring65x87x10	4	
16		A50N4-32201	Bearing 51315	2	
17		B0330-16060B	Bolt M16x60	2	
18		B4135-00016B	Nut M16	2	
19		B4135-00020B	Nut M20	2	
20		B8052-20065	Screw M20x65	2	
21	69141359	MKS12-30301	Knuckle R.H.ass'y	1	
22		Z6301-16015	Oil seal B160x190x15D	2	
23		Z-32221	Bearing32221	2	
24	69141360	MKS12-30401	Hub	2	
25		Z-32218	Bearing32218	2	

图12-4/ Fig. 12-4

转向桥及安装/STEERING AXLE

FD120T-MXWQ3 ; FD120T-MG(11)3

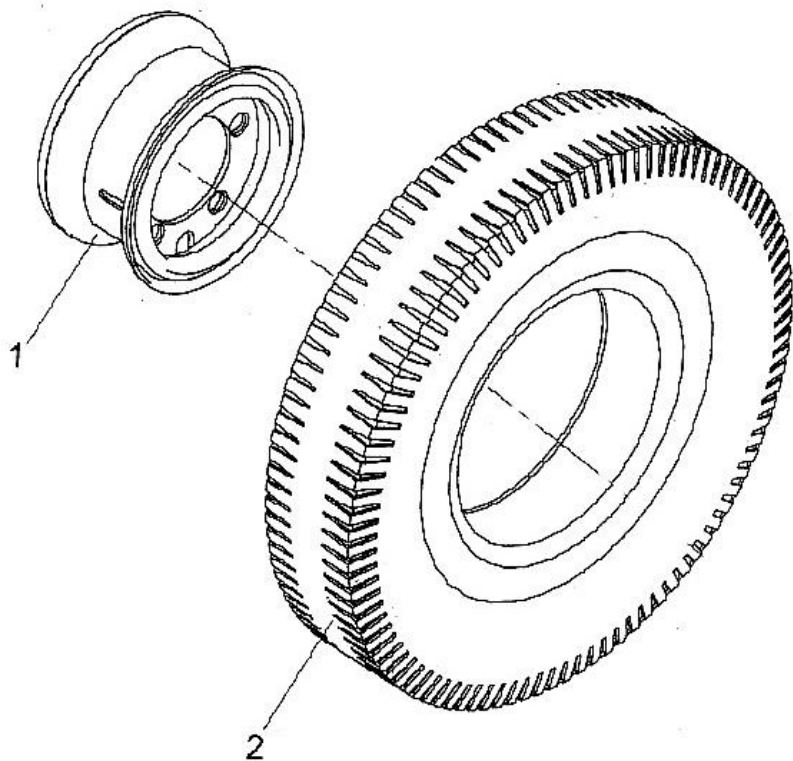


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26		G01L4-32191	Nut M90x2	2	
27		B4832-00090	Nut M90x2	2	
28		B5512-00090	Washer 90	2	
29		G01L4-32201	Washer $\delta 0.5 \times 205 \times 165$	2	
30	69059003	A50N4-32211	Cover, hub	2	
31	69079640	23913-02041(12T)	Hiub Nut	16	
32	69079641	25783-30-113	Hiub Bolt	16	
33	69079642	B4235-00022	Nut M22x1.5	16	
34	69141361	A50N4-32251	Washer	10	
35		B6150-00030	Retainer ring 30	4	
36	69025090	A02Z4-30501	Link	2	
37		Z-GE30ES	Bearing GE30ES	4	
38	69047447	A43E4-30241	Pin	4	
39		Q700B45	45° Nipple M6	4	
40	69084929	G03L4-50201	Steering cylinder	1	
41		G50W4-32341	Washer $\delta 5 \times 150 \times 102$	2	
42		G50W4-32231C	Washer $\delta 1 \times 170 \times 102$	2	
43		G50W4-32231A	Washer $\delta 0.5 \times 170 \times 102$	4	
44		Z2131-10020	Bearing 100x120x100	2	
45	69141362	G50W4-32081	Axle seat	2	
46	69141363	G50W4-32091	Axle baffle	2	
47		B5050-00010B	Washer 10	6	
48		B0330-10020	Bolt M10x20	6	
49		G50W4-32301	Pin B30x35	2	

图12-5/ Fig. 12-5

转向轮总成/STEERING WHEEL

FD50-120T

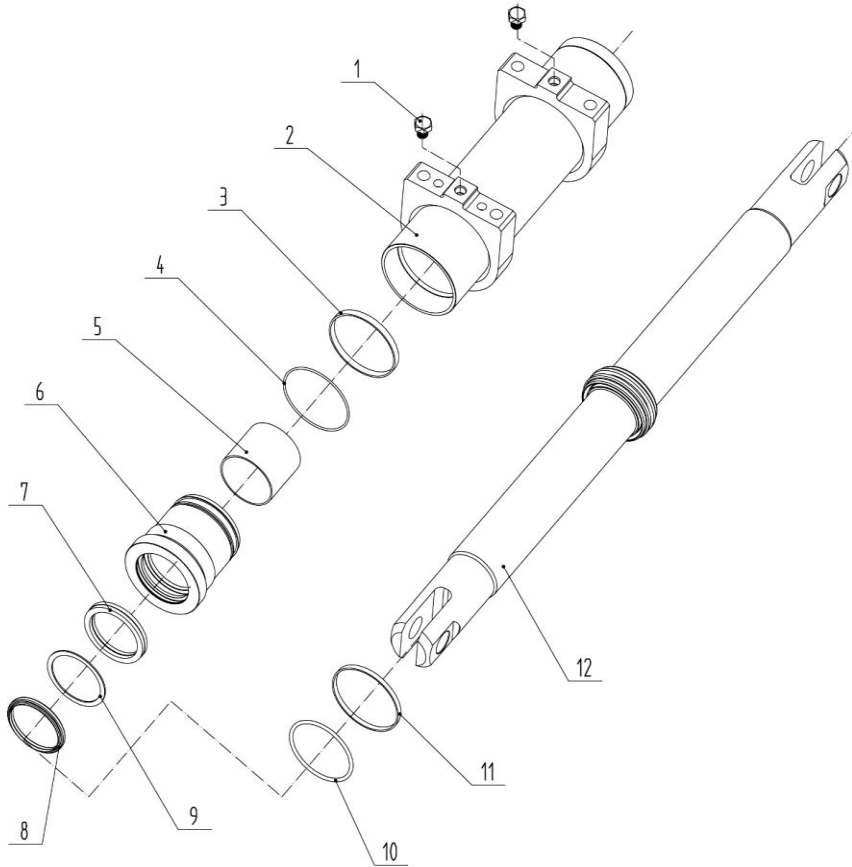


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	NA	-	Steering Wheel	2	
1	69011399	M6044402000-B	Rim 6T (Rear) 6.5-15	2	5-7T
-	69011728	10A44-01000-B	Rim ass'y 7.00T-20	2	8-10T
-	69040901	12A44X-01000	Rim ass'y 7.50V-20	2	x12T
2	69007904	M6043302000-1-C	Tyre 8.25-15-14PR	2	5-7T
-	69011825	10A33-03000-1-C	Tyre 9.00-20-14PR	2	8-10T
-	69040899	12A33X-03000-1-C	Tyre 10.00-20-18PR	2	x12T

图12-6/Fig. 12-6

转向油缸/STEERING CYLINDER

FD50-100T



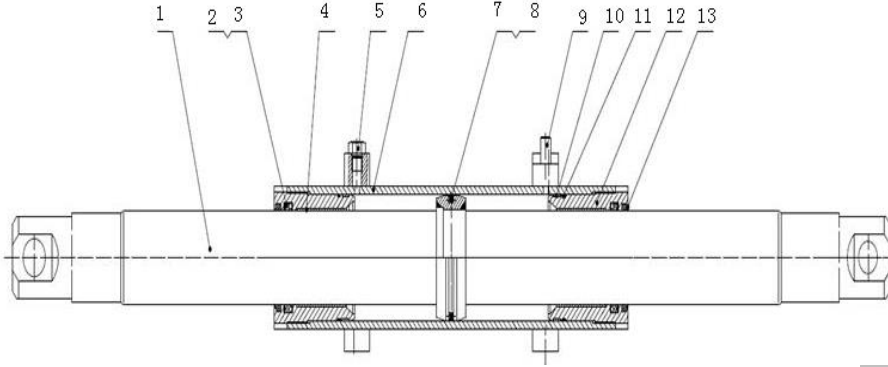
序号	物料号	代号	名称	数量	备注
n No.	ID.	Part No.	Description	Q'ty	Remark
A	69141364	E5784-10211	Steering cylinder	1	5-7T
-	69141365	A00J4--50201	Steering cylinder	1	8-10T
1		CPT3-81-011	Cap M16x1.5	2	
2	69141366	E5784-10221	Steering body ass'y	1	5-7T
-	69141367	E5784-50301	Steering body ass'y	1	8-10T
3	69141368	E5784-12601	Bearing ring	2	
4		CO0217A	O-ring 109.4x3.1	2	
5	69045603	Z2114-08580	Bush bearing 85x90x80	2	
6	69141369	E5784-12561	Cylinder cap	2	
7	69020799	LS20799	Seal ring D85x100x9	2	NOK(ISI)
8		WRM334381	Dust-proof seal D85x97.2x7.1	2	
9		25908-42471	Snap spring D85x100x3	2	
10		GB/T1235-110*5.7	O-ring 110x5.7	1	Z6004-11005
11	69141370	E5784-12571	Bearing ring	1	
12	69141371	E5784-10231	Piston rod ass'y	1	

图12-7/ Fig. 12-7

转向油缸/STEERING CYLINDER

FD120T-MXWQ3

FD120T-MG(11)3

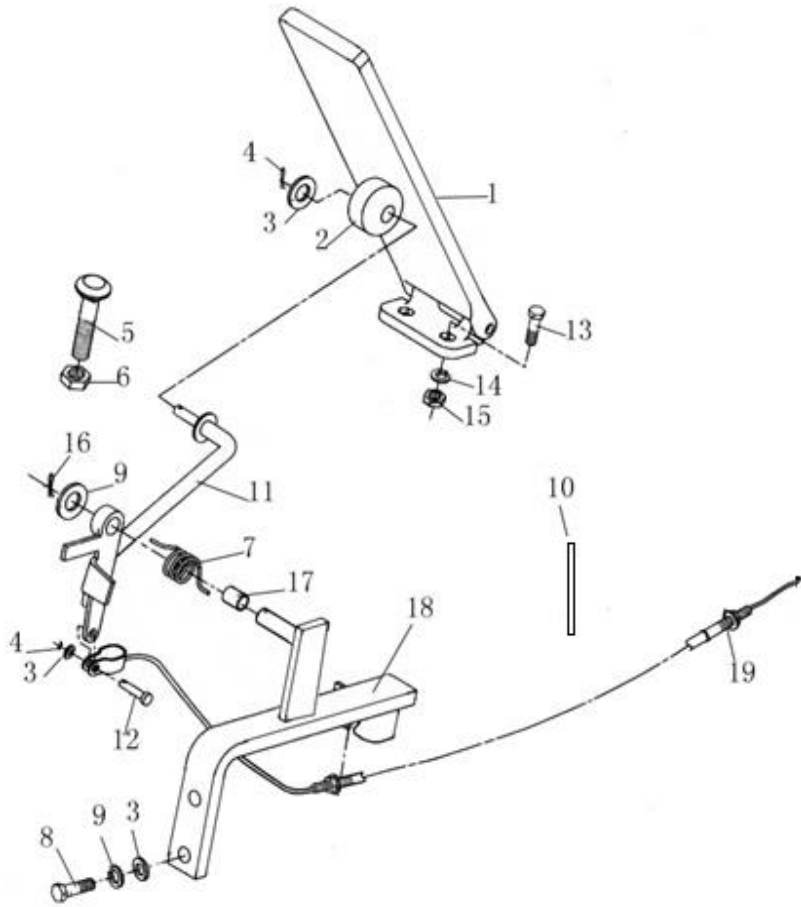


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69141372	G03L4-50401	Piston rod ass'y	1	
2		25908-42471	Snap spring D85x100x3	2	
3	69020799	LS20799	Seal ring D85x100x9	2	
4	69045603	Z2114-08580	Bush bearing 85x90x80	2	
5		CPT3-81-011	Cap M16x1.5x16	2	
6	69141373	G03L4	Steering body ass'y	1	
7		GB/T1235-110*5.7	O-ring 110x5.7	1	
8	69141370	E5784-12571	Bearing ring	1	
9		B3130-16035	Pin 16x35	2	
10	69141368	E5784-12601	Bearing ring	2	
11		03350-01100	O-ring d109.4x3.1	2	
12	69141374	A02Z4-50501B	Cylinder cap	2	
13		WRM334381	Dust-proof seal D85x97.2x7.1	2	

图13-1/Fig. 13-1

油门操纵/ACCELERATOR PEDAL

FD50-70T-MWJ2/MWJ3



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69001946	M3035201000	Accelerator pedal ass'y	1	
2	69136241	M3035203201	Roller	1	
3	69000250	GB/T97.1-10	Washer 10	4	
4	69009082	GB/T91-3.2*25	Cotter pin 3.2x25	2	
5	69000267	M6045200003	Bolt	2	
6	69000314	GB/T6171-M12*1.25-8J	Nut M12x1.25	1	
7	69141375	M6045200004	Spring	1	
8	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	2	
9	69000053	GB/T93-10	Washer 10	4	
10		G0155-20071	Cable tie ZD150x3.5	1	
11	69007379	M6045201100	Connecting shaft ass'y	1	
12	69011898	GB/T882-Φ6*16	Pin shaft 6x16	1	
13	69000192	GB/T5783-M6*20-8.8J	Bolt M6x20	2	
14	69000060	GB/T93-6	Washer 6	5	
15	69000111	GB/T6170-M6-8J	Nut M6	5	
16	69042673	GB/T91-1.6*20	Cotter pin 1.6x20	2	
17		FB 1015	Oills bearing FB 1015	2	
18	69007383	M6045201200	Bracket ass'y	1	
19	69012578	60452S-01000	Accelerator cable	1	

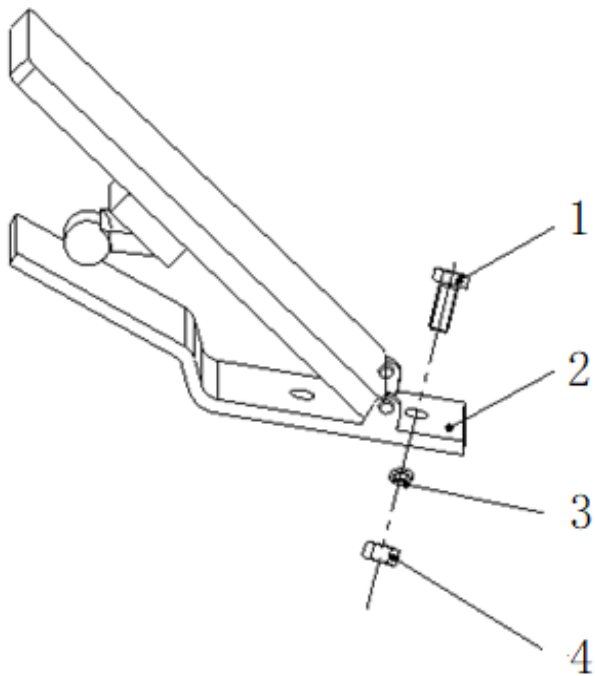
图13-2/Fig13-2

油门操纵/ACCELERATOR PEDAL

FD50-100T-MWL2/MWL3,FD120T-MXWQ3

FD50-100T-MG(4)2/MG(4)3,FD120T-MG(11)3

FD50-70T-MW(3)3

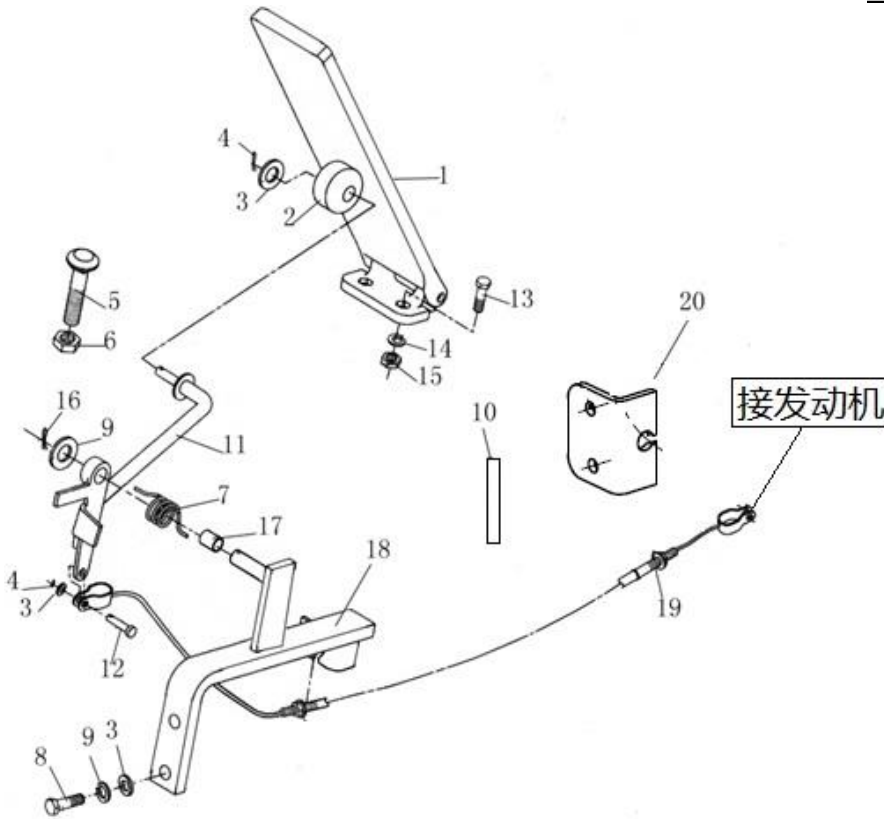


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	3	
2	69073383	10A52Q-01000.	Electronic accelerator pedal 351825	1	配康明斯QSB4.5
-	69141376	M60452CT-01000	Electronic accelerator pedal	1	配朝柴国III
-	69085810	45452DF-00001A	Electronic accelerator pedal WM558	1	配TCD3.6L4
3	69000062	GB/T93-8	Washer 8	3	
4	69000112	GB/T6170-M8-8J	Nut M8	3	

图13-3/Fig13-3

油门操纵/ACCELERATOR PEDAL

FL50-70T-MWE3

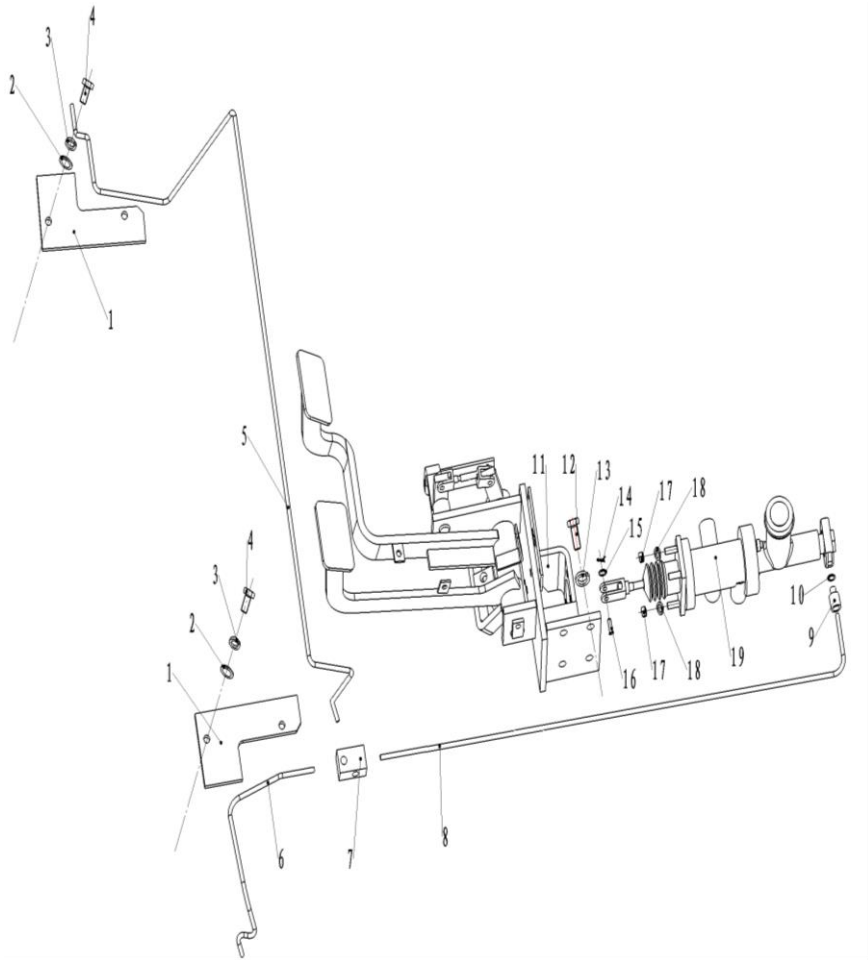


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69001946	M3035201000	Accelerator pedal ass'y	1	
2	69136241	M3035203201	Roller	1	
3	69000250	GB/T97.1-10	Washer 10	4	
4	69009082	GB/T91-3.2*25	Cotter pin 3.2x25	2	
5	69000267	M6045200003	Bolt	2	
6	69000314	GB/T6171-M12*1.25-8J	Nut M12x1.25	1	
7	69141375	M6045200004	Spring	1	
8	69000117	GB/T5786-M10*1.25*35-8.8J	Bolt M10x1.25x35	2	
9	69000053	GB/T93-10	Washer 10	4	
10		G0155-20071	Cable tie ZD150x3.5	1	
11	69007379	M6045201100	Connecting shaft ass'y	1	
12	69011898	GB/T882-Φ6*16	Pin shaft 6x16	1	
13	69000192	GB/T5783-M6*20-8.8J	Bolt M6x20	5	
14	69000060	GB/T93-6	Washer 6	5	
15	69000111	GB/T6170-M6-8J	Nut M6	5	
16	69042673	GB/T91-1.6*20	Cotter pin 1.6x20	2	
17		FB 1015	Oills bearing FB 1015	2	
18	69007383	M6045201200	Bracket ass'y	1	
19	69012578	60452S-01000	Accelerator cable	1	
20	69030091	45D52G-00001	Bracket	1	

图14-1/ Fig. 14-1

液压助力制动/HYDRAULIC POWER BRAKE

FD50-70T

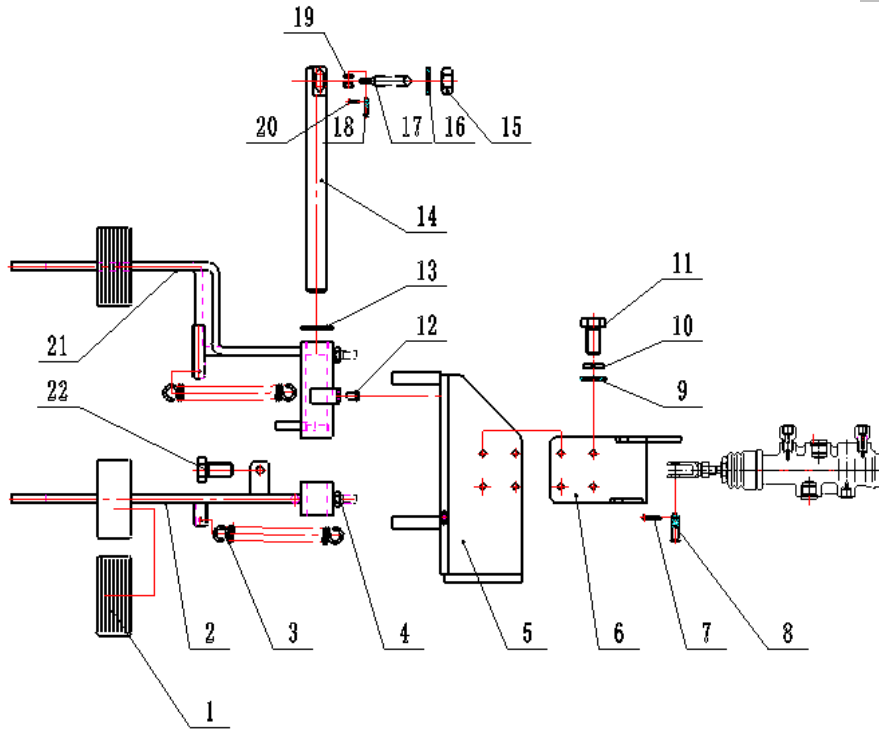


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69007384	M6046000002	Hose hoop	2	
2	69000250	GB/T97.1-10	Washer 10	5	
3	69000053	GB/T93-10	Washer 10	5	
4	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	5	
5	69006115	M6046004000	Brake pipe ass'y(C)	1	
6	69007397	M6046003000	Brake pipe ass'y(A)	1	
7	69006858	M6046000001	Tee connector	1	
8	69029133	60459-02000/L	Brake pipe ass'y(B)	1	
9	69025064	60459-00001	Through connector	1	
10	69003859	JB982-10	Combination washer 10	1	
11	69025404	60459N-01000	Brake & Inching assembly	1	
12	69000144	GB/T5783-M12*20-8.8J	Bolt M12x20	1	
13	69000054	GB/T93-12	Spring washer 12	1	
14	69026496	GB/T91-2.5*30	Cotter pin 2.5x30	1	
15	69000062	GB/T93-8	Washer 8	1	
16	69008457	GB/T882-Φ8*26	Pin shaft 8x26	1	
17	69000112	GB/T6170-M8-8J	Nut M8	2	
18	69000062	GB/T93-8	Washer 8	2	
19	69045889	60476J-03000	Hydraulic booster brake assembly	1	

图14-2/ Fig. 14-2

制动微动总成/BRAKE & INCHING CONTROL

FD50-70T

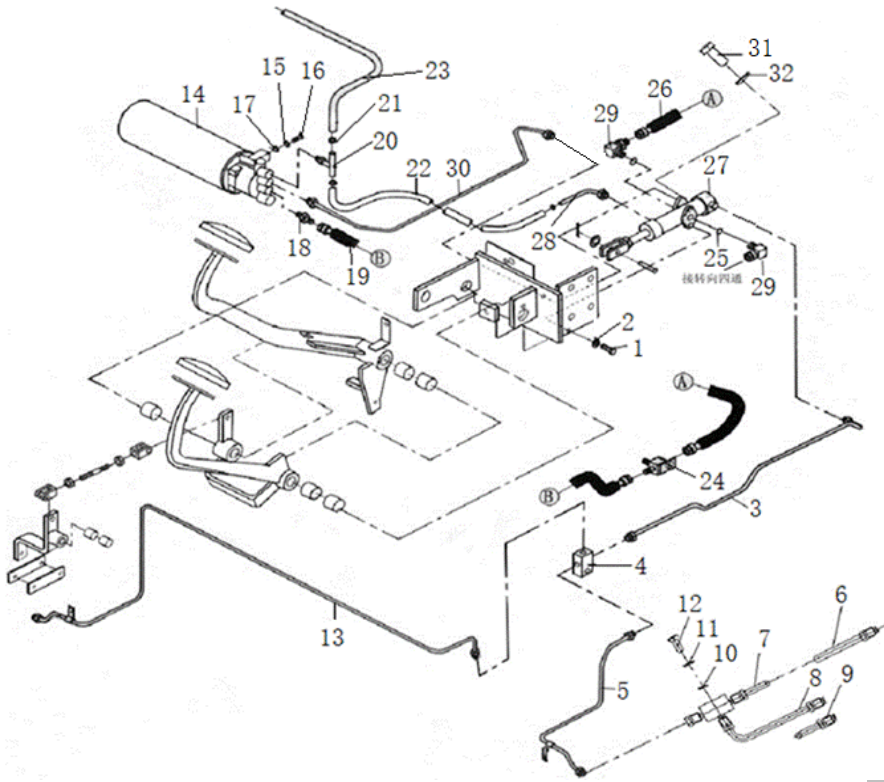


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69025404	60459N-01000	Brake & Inching assembly	1	
1	69021591	M3035402001	Pedal pad	2	
2	69044976	60459N-01100	Inching pedal assembly	1	
3	69022011	GB/T4142-d2.5、D18、n30、H110	Spring d2.5、D18、n30、H110	2	
4	69000132	GB/T5783-M10*40-8.8J	Bolt M10x40	2	
5	69044977	60459N-01200	Bracket	1	
6	69044682	60459N-01001	Support plate	1	
7	69017915	GB/T91-3.2*40	Split pin 3.2x40	1	
8	69041330	GB/T882-Φ8*28	Pin 8x28	1	
9	69000259	GB/T97.1-8	Washer 8	4	
10	69000062	GB/T93-8	Washer 8	4	
11	69000203	GB/T5783-M8*30-8.8J	Bolt M8x30	4	
12	69021756	M3035402003	Rubber -tipped shaft	1	
13	69045536	15Z56C-01003/2mm	Adjusting washer	按需	
14	69042366	60459N-01002	Shaft	1	
15	69000103	GB/T6170-M10-8J	Nut M10	6	
16	69000250	GB/T97.1-10	Washer 10	2	
17	69141377	60459N-01003-1	Fork lever	1	5-7T
18	69000319	GB/T882-Φ6*25	Pin 6x25	1	
19	69044979	60459N-01004	Fork piece	2	
20	69042673	GB/T91-1.6*20	Cotter pin 1.6x20	1	
21	69141378	60459N-01300	Brake pedal assembly	1	
22	69000128	GB/T5783-M10*30-8.8J	Bolt M10x30	1	

图14-3/ Fig. 14-3

动力制动/DYNAMIC BRAKE

FD80-100T

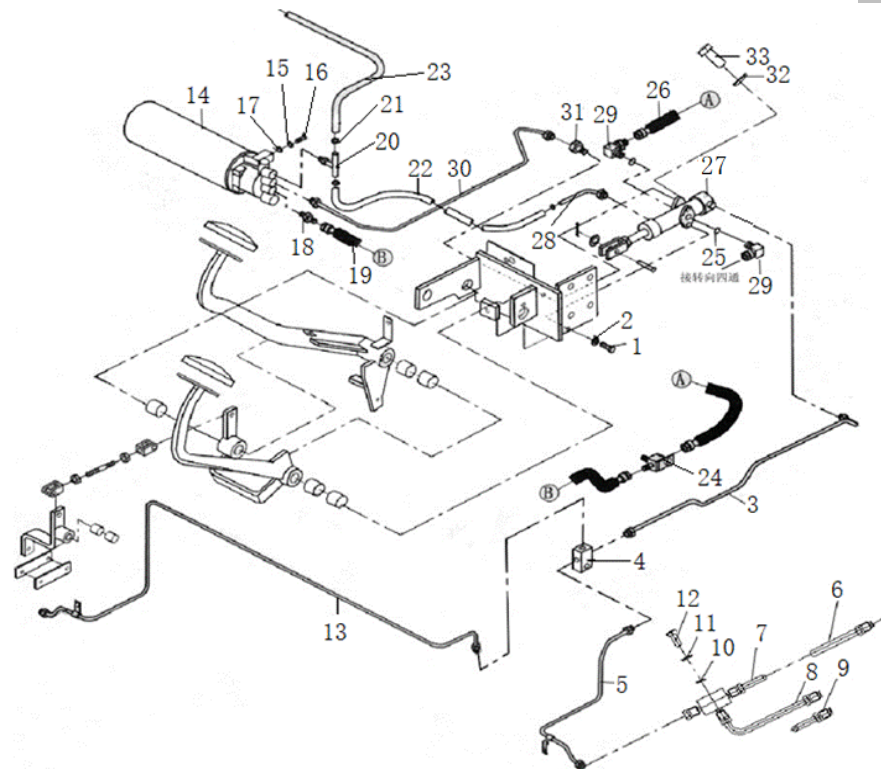


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000144	GB/T5783-M12*20-8.8J	Bolt M12x20	4	
2	69000054	GB/T93-12	Washer 12	4	
3	69006116	M6046002000	Brake pipe ass'y(B)	1	
4	69006858	M6046000001	Tee connector	3	
5	69012197	10A60-01000	Brake pipe ass'y (A)	1	
6	69012199	10A60-03000	Brake pipe ass'y	2	2017.06.30停用
-	69041312	12A60X-01000	Brake pipe ass'y	2	2017.07.01使用
7	69015448	10A60-00001	Filter connector	8	
8	69012200	10A60-04000-L	Brake pipe ass'y	2	2017.06.30停用
-	69041313	12A60X-02000	Brake pipe ass'y	2	2017.07.01使用
9	69012201	10A60-05000	Brake pipe ass'y	2	2017.06.30停用
-	69132427	10A60-01000A	Brake pipe ass'y	2	2017.07.01使用
10	69000250	GB/T97.1-10	Washer 10	3	
11	69000053	GB/T93-10	Washer 10	3	
12	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	3	
13	69012198	10A60-02000	Brake pipe ass'y	1	
14	69016046	10A60-06000	Accumulator HXQg-00a	1	临海海宏
15	69000062	GB/T93-8	Washer 8	2	
16	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
17	69000259	GB/T97.1-8	Washer 8	2	
18	69006247	M6046000003	Angle connector	1	
19	69005000	M6046000004	H.P. hose	1	
20	69006248	M6046006000	Tee connector	1	
21	69036894	JB/T8870-16-25	Hoop d16-d25	4	
22		M6046000005	H.P. hose Φ6×13×400	1	

图14-3/ Fig. 14-3

动力制动/DYNAMIC BRAKE

FD80-100T

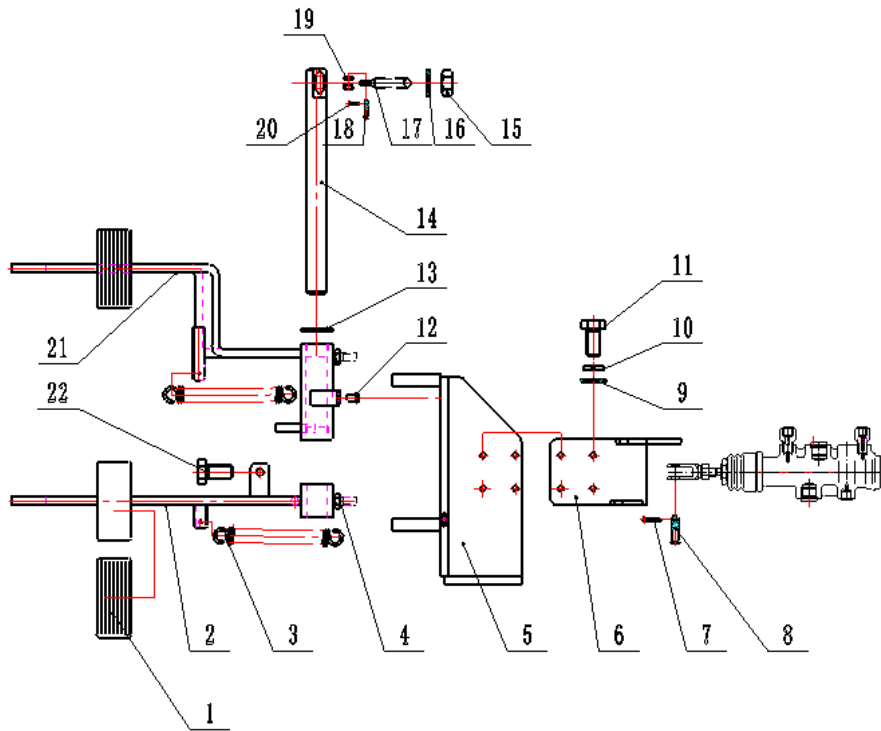


序号 Item No.	物料号 ID.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
23		M6046000006	H.P. hose $\Phi 10 \times 17 \times 1200$	1	
24	69006246	M6046007000	Tee connector	1	
25	69011899	GB1235-15.8*2.4	O-ring 15.8x2.4	2	
26	69004998	M6046000008	H.P. hose	1	
27	69084607	10A60-07000	Brake valve ass'y OBV-L25E-00A	1	临海海宏
28	69006117	M6046008000	Brake pipe ass'y(E)	1	
29	69006249	M6046009000	Connector ass'y	2	
30	69006158	M6046010000	Brake pipe ass'y(D)	1	
31	69000123	GB/T5783-M10*20-8.8J	Bolt M10x20	4	
32	69000053	GB/T93-10	Washer 10	4	

图14-4/ Fig. 14-4

动力制动与微动操纵/DYNAMIC BRAKE & INCHING CONTROL

FD80-100T

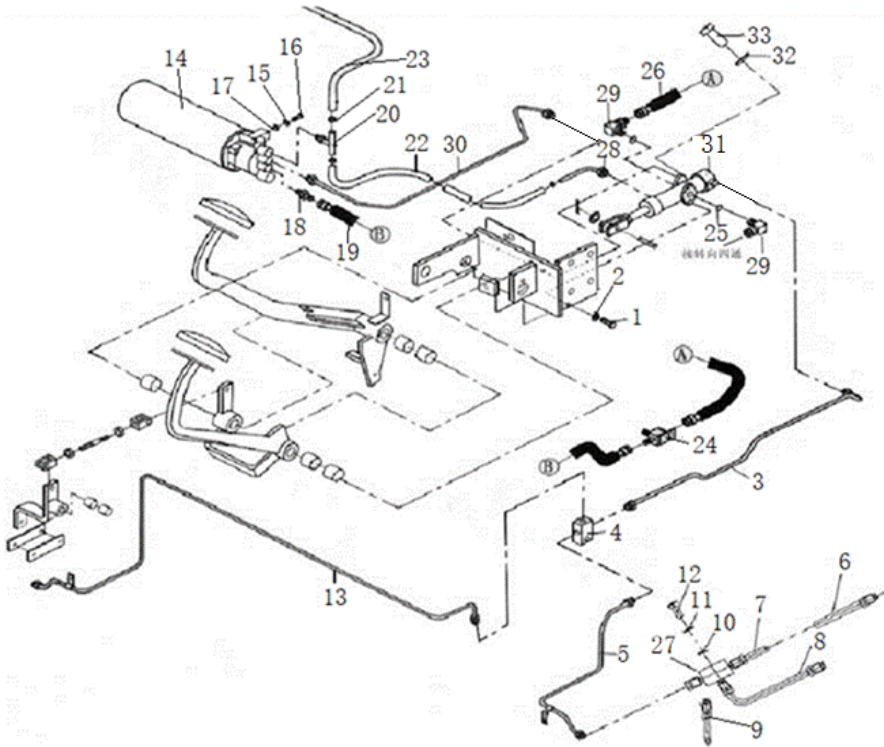


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69006514	M60460-01000	Dynamic brake & Inching assembly	1	
1	69021591	M3035402001	Pedal pad	2	
2	69044976	60459N-01100	Inching pedal assembly	1	
3	69022011	GB/T4142-d2.5、D18、n30、H110	Spring d2.5、D18、n30、H110	2	
4	69000132	GB/T5783-M10*40-8.8J	Bolt M10x40	2	
5	69044977	60459N-01200	Bracket	1	
6	69044997	M60460-01100	Support plate	1	
7	69017915	GB/T91-3.2*40	Split pin 3.2x40	1	
8	69041330	GB/T882-Φ8*28	Pin 8x28	1	
9	69000259	GB/T97.1-8	Spring washer 8	4	
10	69000062	GB/T93-8	Washer 8	4	
11	69000203	GB/T5783-M8*30-8.8J	Bolt M8x30	4	
12	69021756	M3035402003	Rubber -tipped shaft	1	
13	69045536	15Z56C-01003/2mm	Adjusting washer	按需	
14	69042366	60459N-01002	Shaft	1	
15	69000103	GB/T6170-M10-8J	Nut M10	6	
16	69000250	GB/T97.1-10	Washer 10	2	
17	69141379	60459N-01003-2	Fork lever	1	8-10T
18	69000319	GB/T882-Φ6*25	Pin 6x25	1	
19	69044979	60459N-01004	Fork piece	2	
20	69042673	GB/T91-1.6*20	Split pin 1.6x20	1	
21	69141378	60459N-01300	Brake pedal assembly	1	
22	69000128	GB/T5783-M10*30-8.8J	Bolt M10x30	1	

图14-5/ Fig. 14-5

动力制动与微动操纵/DYNAMIC BRAKE & INCHING CONTROL

FD120T

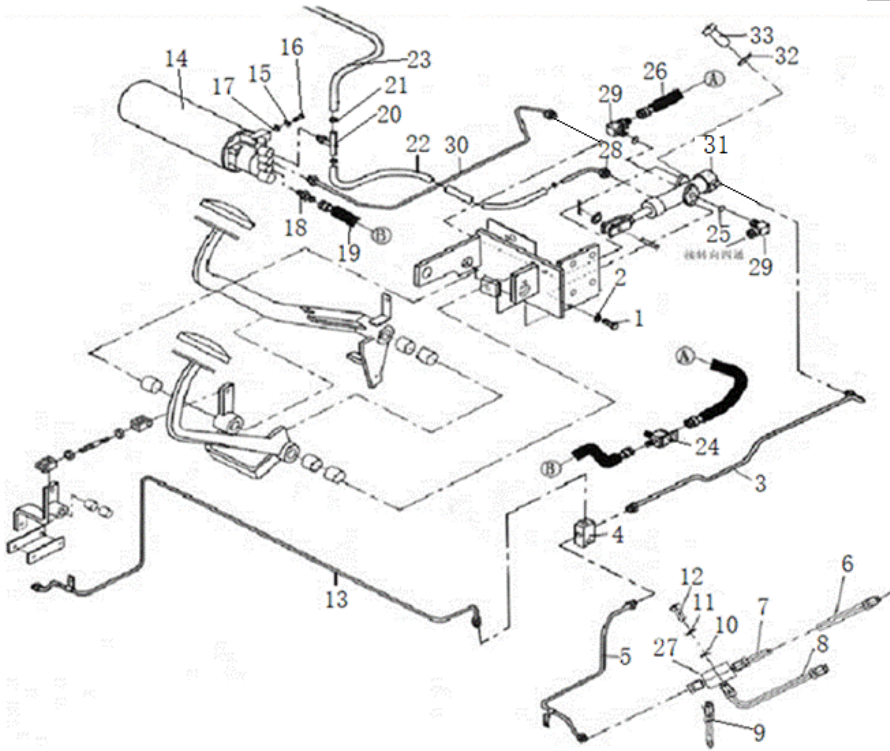


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000144	GB/T5783-M12*20-8.8J	Bolt M12x20	4	
2	69000054	GB/T93-12	Washer 12	4	
3	69006116	M6046002000	Brake pipe ass'y(B)	1	
4	69006858	M6046000001	Tee connector	3	
5	69012197	10A60-01000	Brake pipe ass'y (A)	1	
6	69041312	12A60X-01000	Brake pipe ass'y	2	
7	69015448	10A60-00001	Filter connector	8	
8	69041313	12A60X-02000	Brake pipe ass'y	2	
9	69041314	12A60X-03000	Brake pipe ass'y	2	
10	69000250	GB/T97.1-10	Washer 10	3	
11	69000053	GB/T93-10	Washer 10	3	
12	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10x1.25x30	3	
13	69041315	12A60X-04000	Brake pipe ass'y	1	
14	69016046	10A60-06000	Accumulator HXQg-00a	1	临海海宏
15	69000062	GB/T93-8	Washer 8	2	
16	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
17	69000259	GB/T97.1-8	Washer 8	2	
18	69006247	M6046000003	Angle connector	1	
19	69005000	M6046000004	H.P. hose	1	
20	69006248	M6046006000	Tee connector	1	
21	69036894	JB/T8870-16-25	Hoop d25	4	
22		M6046000005	H.P. hose $\Phi 6 \times \Phi 13 \times 400$	1	
23		M6046000006	H.P. hose $\Phi 10 \times \Phi 17 \times 1200$	1	
24	69041454	12A60X-06000	Tee connector	1	
25	69011899	GB1235-15.8*2.4	O-ring 15.8x2.4	2	

图14-5/ Fig. 14-5

动力制动与微动操纵/DYNAMIC BRAKE & INCHING CONTROL

FD120T

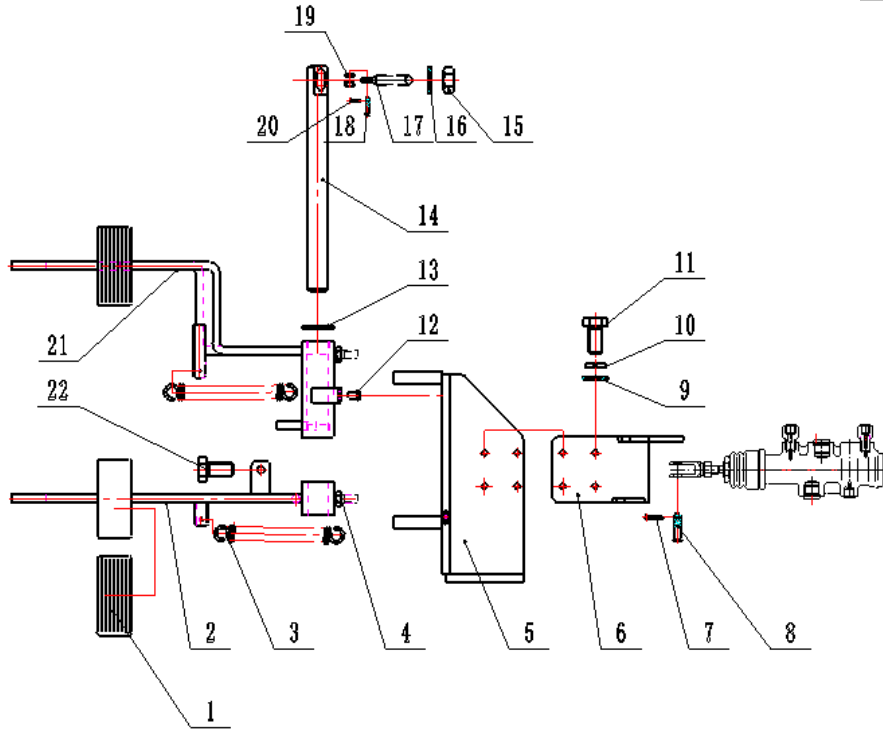


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69004998	M6046000008	H.P. hose	1	
27	69017788	10A60L-00001	Four way connector	2	
28	69006117	M6046008000	Brake pipe ass'y(E)	1	
29	69006249	M6046009000	Connector ass'p	2	
30	69006158	M6046010000	Brake pipe ass'y(D)	1	
31	69041319	12A60X-05000	Brake valve ass'y OBVD-L025E	1	临海海宏
32	69000053	GB/T93-10	Washer 10	4	
33	69000123	GB/T5783-M10*20-8.8J	Bolt M10x20	4	

图14-6/ Fig. 14-6

动力制动与微动操纵/DYNAMIC BRAKE & INCHING CONTROL

FD120T-MXWQ3,FD120T-MG(11)3

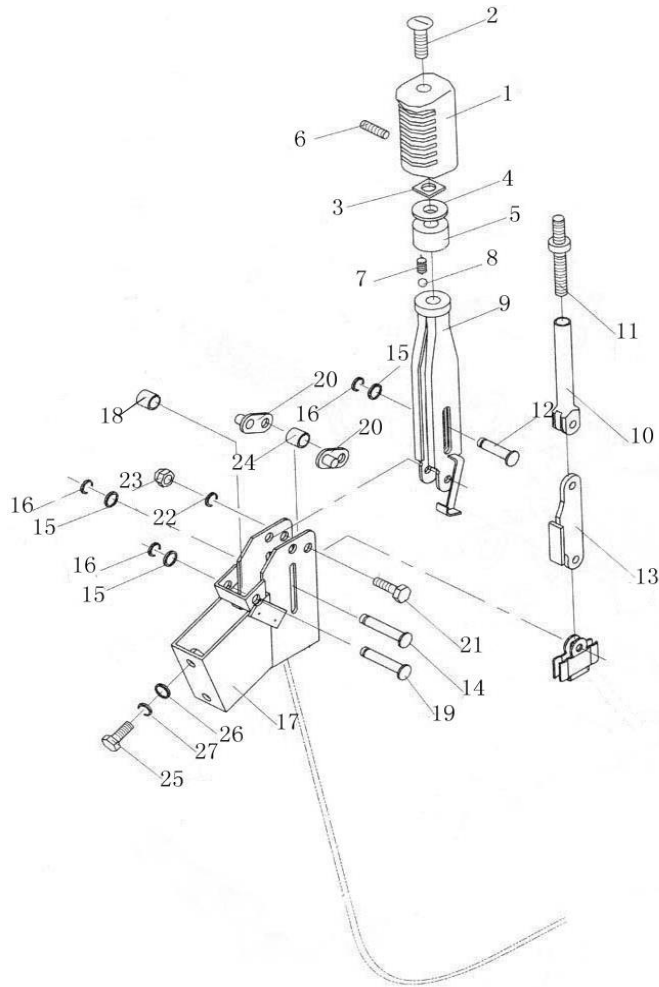


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69045433	12A60X-09000	Dynamic brake & Inching assembly	1	
1	69021591	M3035402001	Pedal pad	2	
2	69044976	60459N-01100	Inching pedal assembly	1	
3	69022011	GB/T4142-d2.5、D18、n30、H110	Spring d2.5、D18、n30、H110	2	
4	69000132	GB/T5783-M10*40-8.8J	Bolt M10x40	2	
5	69044977	60459N-01200	Bracket	1	
6	69044997	M60460-01100	Support plate	1	
7	69017915	GB/T91-3.2*40	Split pin 3.2x40	1	
8	69041330	GB/T882-Φ8*28	Pin 8x28	1	
9	69000259	GB/T97.1-8	Washer 8	4	
10	69000062	GB/T93-8	Washer 8	4	
11	69000203	GB/T5783-M8*30-8.8J	Bolt M8x30	4	
12	69021756	M3035402003	Rubber -tipped shaft	1	
13	69045536	15Z56C-01003/2mm	Adjusting washer	按需	
14	69042366	60459N-01002	Shaft	1	
15	69000103	GB/T6170-M10-8J	Nut M10	6	
16	69000250	GB/T97.1-10	Washer 10	2	
17	69141380	12A60X--09001	Fork lever	1	
18	69000319	GB/T882-Φ6*25	Pin 6x25	1	
19	69044979	60459N-01004	Fork piece	2	
20	69042673	GB/T91-1.6*20	Split pin 1.6x20	1	
21	69141378	60459N-01300	Brake pedal assembly	1	
22	69000128	GB/T5783-M10*30-8.8J	Bolt M10x30	1	

图15-1/ Fig. 15-1

手制动操纵/HAND BRAKE CONTROL

FD50-120T

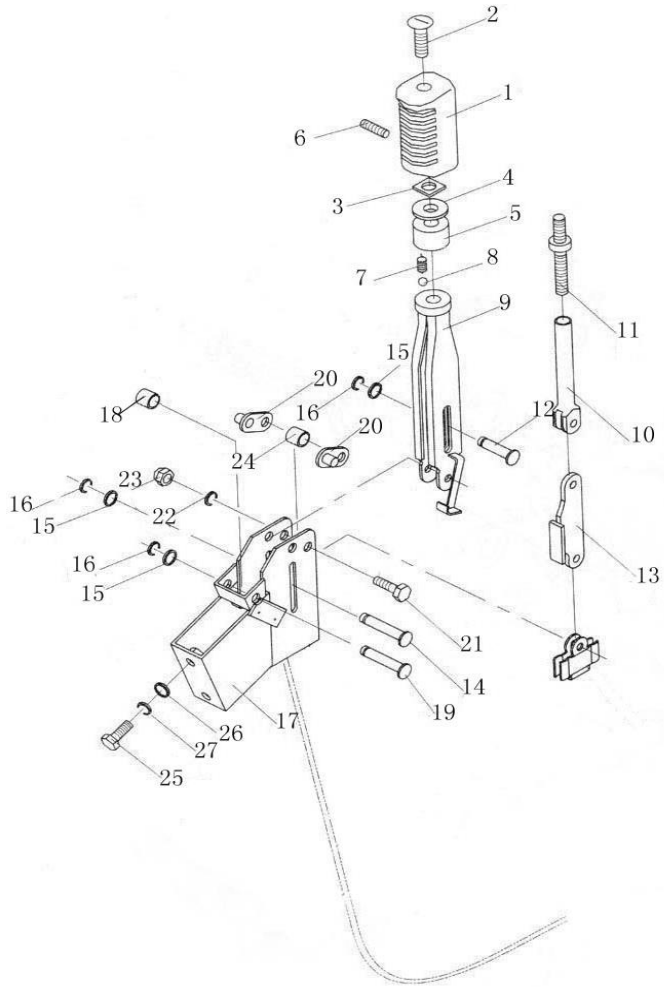


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69029743	M6045500000	Parking brake control	1	
-	69141381	M6045010000A	Parking brake ass'y HRH43E5501	1	包含1-24项
1	69141382	THN-110	Knob	1	
2	69141383	THN-111	Adjust lever	1	
3		GB/T39-M8	Nut M8	1	
4	69000085	GB/T96.1-8	Washer 8	1	
5	69141384	THN-200	Handle seat	1	
6		GB/T80-M4*4	Screw M4x4	1	
7		M6045010000-1	Spring1x6x10.8	1	
8		GB/T308-1989	steel ball Φ6	1	
9	69141385	THN-060	Lever body	1	
10	69141386	THN-600	Rod body	1	
11	69141387	THN-500	Screw rod	1	
12		TNH-070	Pin d8x45	1	
13	69141388	THN-900-00	Link	1	
14		TNH-070	Pin d8x45	1	
15	69000259	GB/T97.1-8	Washer 8	2	
16	69077986	GB/T896-Φ6	Snap spring 6	2	
17	69141389	HC230C5-11100	Bracket ass'y	1	
18	69141390	25785-52241	Rubber cushion	1	
19	69141391	25785-52251	Pin shaft	1	
20	69141392	THN-40-00	Support plate ass'y	2	
21	69017603	GB/T5782-M10*45-8.8J	Bolt M10x45	1	
22	69000053	GB/T93-10	Washer 10	1	
23		GB/T802-M10	Nut M10	1	

图15-1/ Fig. 15-1

手制动操纵/HAND BRAKE CONTROL

FD50-120T

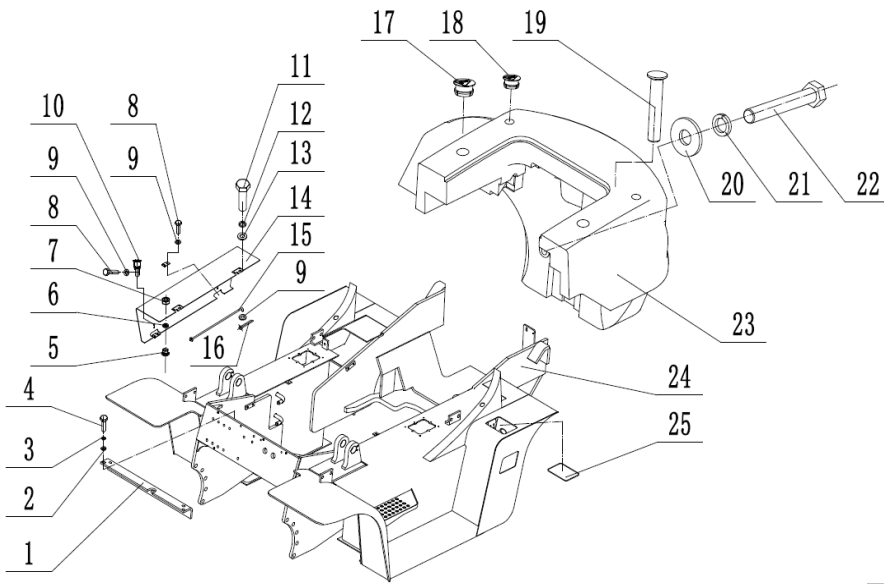


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69141393	25785-52261	Washer II	1	
25	69011886	GB/T5786-M10*1.25*25	Bolt M10x1.25x25	2	
26	69000250	GB/T97.1-10	Washer 10	2	
27	69000053	GB/T93-10	Washer 10	2	

图16-1/ Fig. 16-1

车架与平衡重/FRAME & COUNTER WEIGHT

FD50-70T

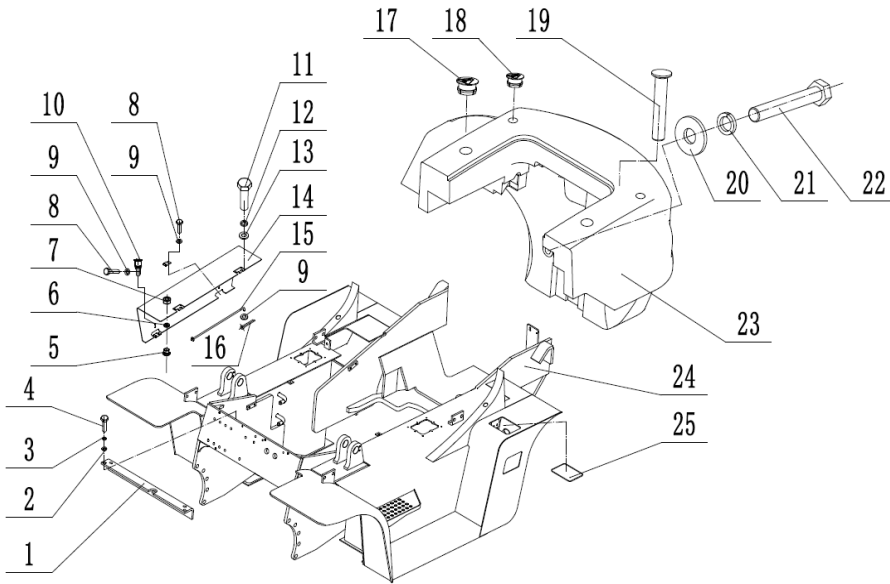


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69007387	M6046111000	Bracket ass'y	1	
2	69000054	GB/T93-12	Washer 12	4	
3	69000251	GB/T97.1-12	Washer 12	4	
4	69000155	GB/T5783-M12*40-8.8J	Bolt M12X40	4	
5		M6046110200	Rubber damper	2	
6	69000062	GB/T93-8	Washer 8	8	
7	69000112	GB/T6170-M8-8J	Nut M8	6	
8	69000309	GB/T5783-M8*16-8.8J	Bolt M8X16	8	
9	69000259	GB/T97.1-8	Washer 8	8	
10	69006856	M6046110300	Clip	2	
11	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10X1.25X20	4	
12	69000053	GB/T93-10	Washer 10	4	
13	69000250	GB/T97.1-10	Washer 10	4	
14	69141394	M6046110100	Battery cover	1	
15	69007388	M6046110400	Rod	1	
16	69005787	GB/T91-2*16	Pin2x16	1	
17	69004272	M3036300003	Cap	1	
18	69008447	M3036300002	Cap	2	
19	69006662	M6046301000	Traction pin	1	
20	69020512	M6046300002-8	Washer	2	
21	69005373	GB/T93-36	Washer 36	2	
22	69011798	GB/T5782-M36*260-8.8J	Bolt M36x260	2	
23	69108538	M5046300001-MGreen	Counter balance weight	1	5T,其余颜色见附表
-	69108535	M7046300001-MGreen	Counter balance weight	1	7T, 其余颜色见附表
24	69107592	60461S-00000-MGreen	Frame	1	配三菱S6ST

图16-1/ Fig. 16-1

车架与平衡重/FRAME & COUNTER WEIGHT

FD50-70T

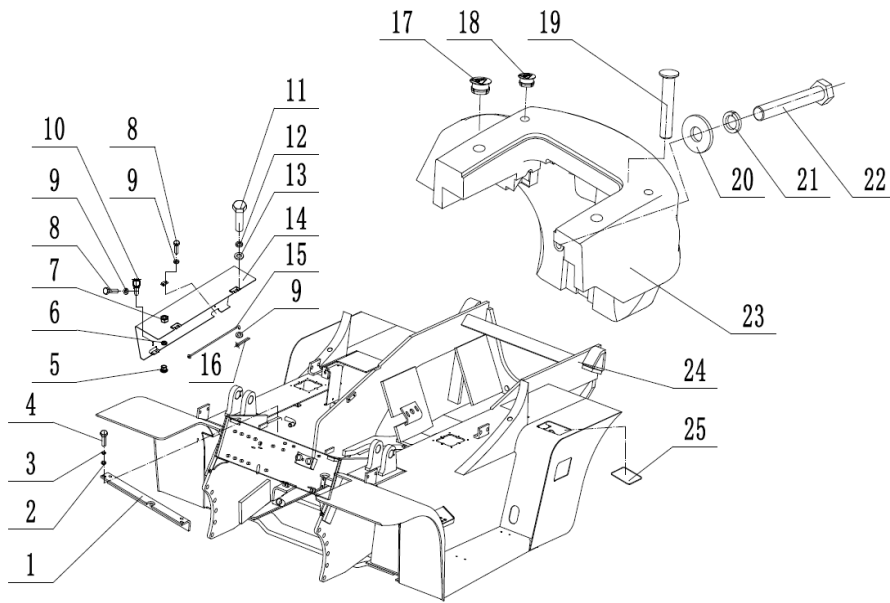


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69107433	M60461Q-00000-MGreen	Frame	1	配QSB4.5-C110
-	69107430	M60461DF-00000-MGreen	Frame	1	配TCD3.6L4
-	69107437	M60D61G-00000-MGreen	Frame	1	配GM4.3
-	69107427	M60461CT-00000-MGreen	Frame	1	配朝柴CY6BG332
25	69006857	M6046102400	Fuel tank cover ass'y8404550-JA	1	

图16-2/ Fig. 16-2

车架与平衡重/FRAME & COUNTER WEIGHT

FD80-100T

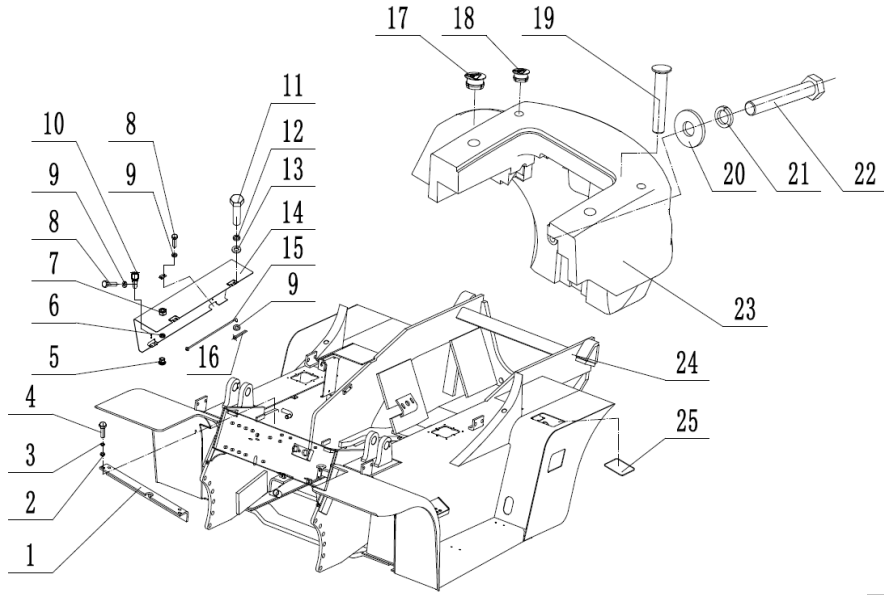


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69017858	10A61-11000	Bracket ass'y	1	
2	69000054	GB/T93-12	Washer 12	4	
3	69000251	GB/T97.1-12	Washer 12	4	
4	69000155	GB/T5783-M12*40-8.8J	Bolt M12X40	4	
5		M6046110200	Rubber damper	2	
6	69000062	GB/T93-8	Washer 8	8	
7	69000112	GB/T6170-M8-8J	Nut M8	6	
8	69000309	GB/T5783-M8*16-8.8J	Bolt M8X16	8	
9	69000259	GB/T97.1-8	Washer 8	8	
10	69006856	M6046110300	Clip	2	
11	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10X1.25X20	4	
12	69000053	GB/T93-10	Washer 10	4	
13	69000250	GB/T97.1-10	Washer 10	4	
14	69016279	10A61-10000	Battery cover	1	
15	69007388	M6046110400	Rod	1	
16	69005787	GB/T91-2*16	Pin 2x16	1	
17	69004272	M3036300003	Cap	2	
18	69008447	M3036300002	Cap	2	
19	69006662	M6046301000	Traction pin	1	
20	69020512	M6046300002-8	Washer	2	
21	69005373	GB/T93-36	Washer 36	2	
22	69011799	GB/T5782-M36*320-8.8J	Bolt M36x320	2	
23	69108544	80463-00001-MGreen	Counter balance weight	1	8t,其余颜色见附表
-	69102300	10A63-00001A-MGreen	Counter balance weight	1	10t,其余颜色见附表
24	69107571	10A61Q-00000-MGreen	Frame	1	配QSB4.5-C110

图16-2/ Fig. 16-2

车架与平衡重/FRAME & COUNTER WEIGHT

FD80-100T

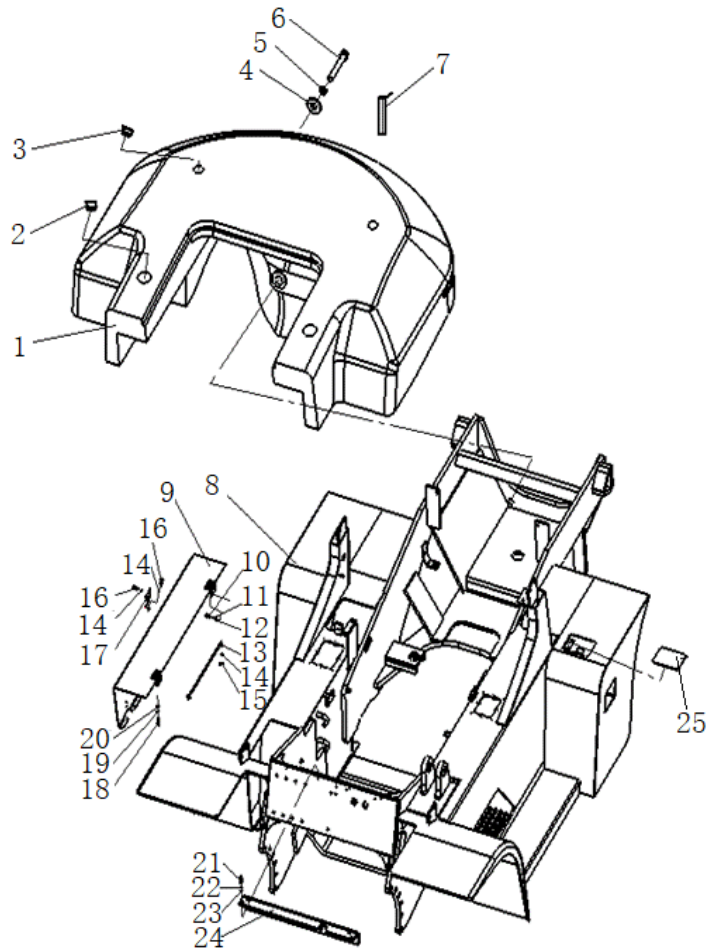


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69107380	10A61CT-00000-MGreen	Frame	1	配朝柴CY6BG332
25	69006857	M6046102400	Fuel tank cover ass'y8404550-JA	1	

图16-3/ Fig. 16-3

车架与平衡重/FRAME & COUNTER WEIGHT

FD120T-MXWQ3, FD120T-MG(11)3

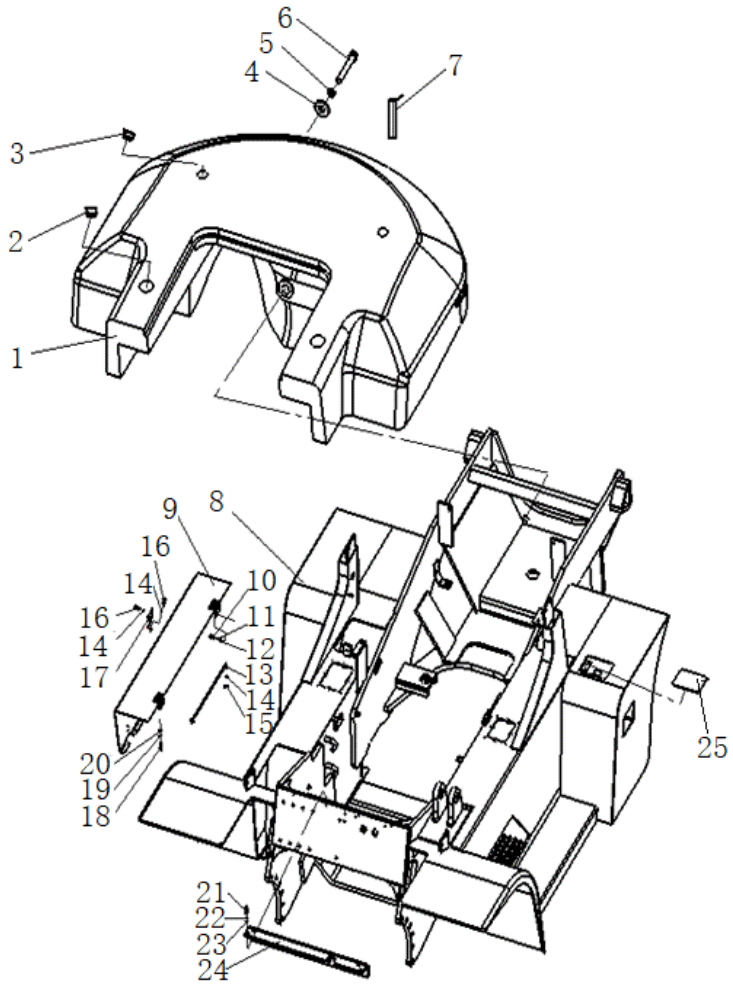


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69108526	12A63X-00001-MGreen	Counter balance weight	1	
2	69004272	M3036300003	Cap	2	
3	69008447	M3036300002	Cap	2	
4	69020512	M6046300002-8	Washer	2	
5	69005373	GB/T93-36	Washer 36	2	
6	69011799	GB/T5782-M36*320-8.8J	Bolt M36x320	2	
7	69006662	M6046301000	Traction pin	2	
8	69107383	12A61X-00000-MGreen	Frame	1	配QSB4.5-C130
-	69107386	12A61XCT-00000-MGreen	Frame	1	配CY6BG132
9	69016279	10A61-10000	Battery cover	1	
10	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10X1.25X20	4	
11	69000053	GB/T93-10	Washer 10	4	
12	69000250	GB/T97.1-10	Washer 10	4	
13	69007388	M6046110400	Rod	1	
14	69000259	GB/T97.1-8	Washer 8	8	
15	69005787	GB/T91-2*16	Pin 2x16	1	
16	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	8	
17	69006856	M6046110300	Clip	2	
18		M6046110200	Rubber damper	2	
19	69000062	GB/T93-8	Washer 8	8	
20	69000112	GB/T6170-M8-8J	Nut M8	6	
21	69000155	GB/T5783-M12*40-8.8J	Bolt M12x40	4	
22	69000054	GB/T93-12	Washer 12	4	
23	69000251	GB/T97.1-12	Washer 12	4	
24	69017858	10A61-11000	Bracket ass'y	1	

图16-3/ Fig. 16-3

车架与平衡重/FRAME & COUNTER WEIGHT

FD120T-MXWQ3,FD120T-MG(11)3



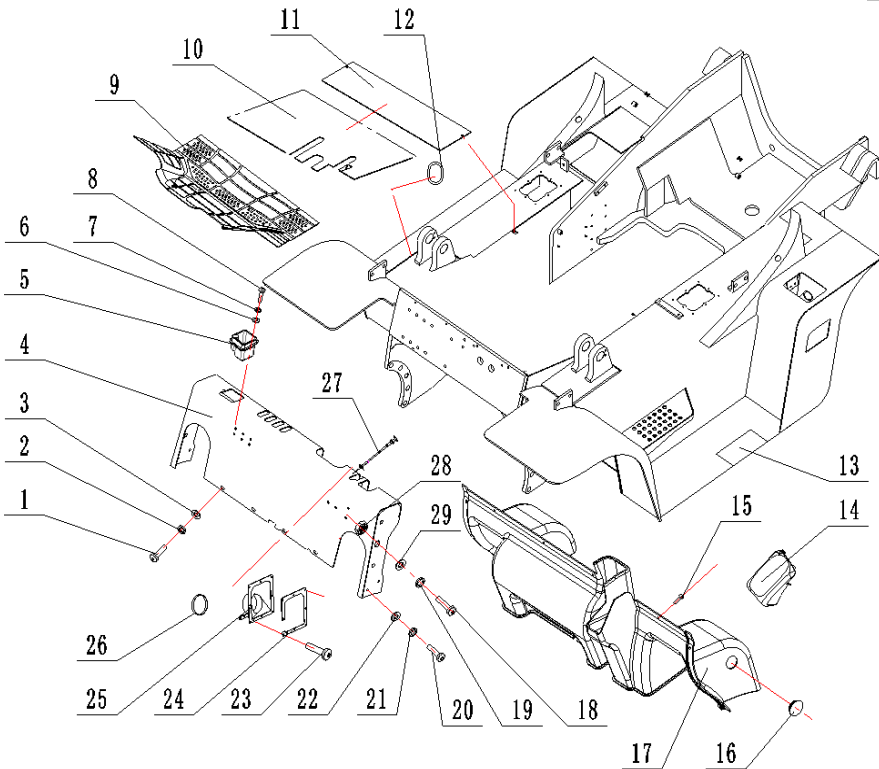
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69006857	M6046102400	Fuel tank cover ass'y8404550-JA	1	

图17-1/ Fig. 17-1

仪表架、地板及覆盖件安装/DASHBOARD、FLOOR & CORER

FD50-100T

FD120T-MXWQ3,FD120T-MG(11)3



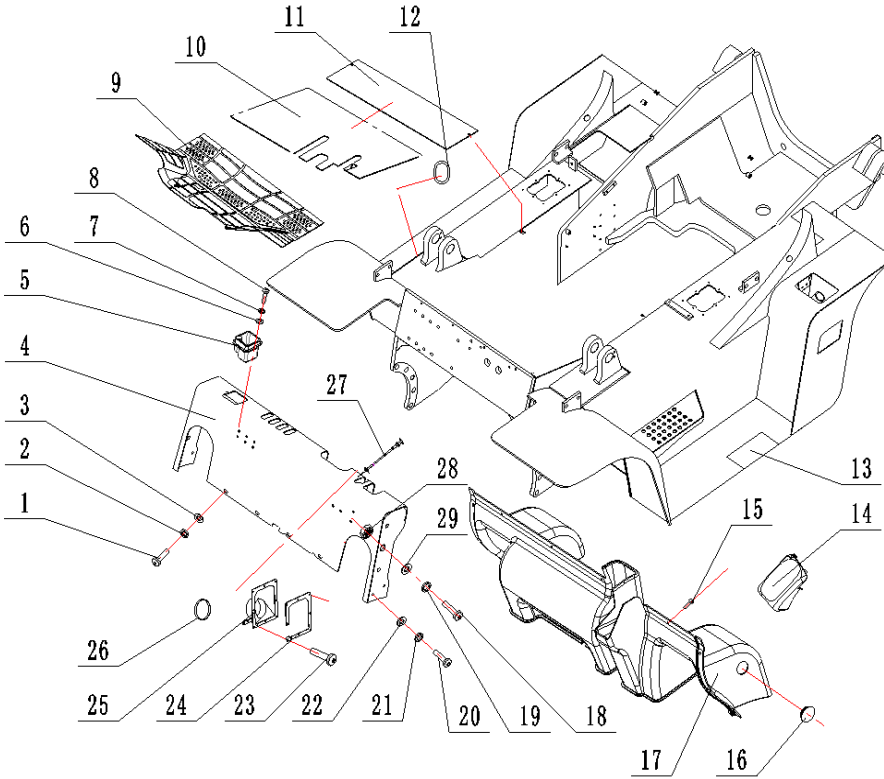
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	4	
2	69000053	GB/T93-10	Washer 10	18	
3	69000250	GB/T97.1-10	Washer 10	18	
4	69133270	M6046401000-black	Display ass'y	1	5-10T机液
-	69141395	M60464A01000	Display ass'y	1	5-10T电液
-	69043038	12A64X-01000	Display ass'y	1	x12t
5	69004375	M3036400004	Cup holder H24C6-42073	1	
6	69000258	GB/T97.1-6	Washer 6	2	
7	69000060	GB/T93-6	Washer 6	2	
8	69011317	GB/T818-M6*16-4.8J	Screw M6x16	2	
9	69008459	M6046409000	Rubber mat	1	
10	69102360	M6046403000-black	Front floor board	1	10t (除QSB4.5、6BG33)
-	69102303	10A64Q-01000-black	Front floor board	1	x12t(QSB4.5、6BG33 2/132)
11		LS2361	Rear floor board	1	
12		M6046411000	Rubber sleeve	1	新增2019.08.30切换
13	69007074	M6046400003	Non-slip pad	2	
14	69007164	M6046408004	Cover ass'y	1	机液
-	69081213	M6046408005	Cover ass'y	1	电液
15	69000102	GB/T818-M6*12-4.8J	Screw M6x12	5	
16	69001764	M3036400007	Rubber plug	2	
17	69007156	M6046408001/2/3	Cover ass'y	1	
18	69020214	GB/T5786-M16*1.5*40-8.8J	Bolt M16x1.5x40	8	
19	69000056	GB/T93-16	Washer 16	8	
20	69011886	GB/T5786-M10*1.25*25	Bolt M10x1.25x25	4	
21	69000054	GB/T93-12	Washer 12	4	

图17-1/ Fig. 17-1

仪表架、地板及覆盖件安装/DASHBOARD、FLOOR & CORER

FD50-100T

FD120T-MXWQ3,FD120T-MG(11)3



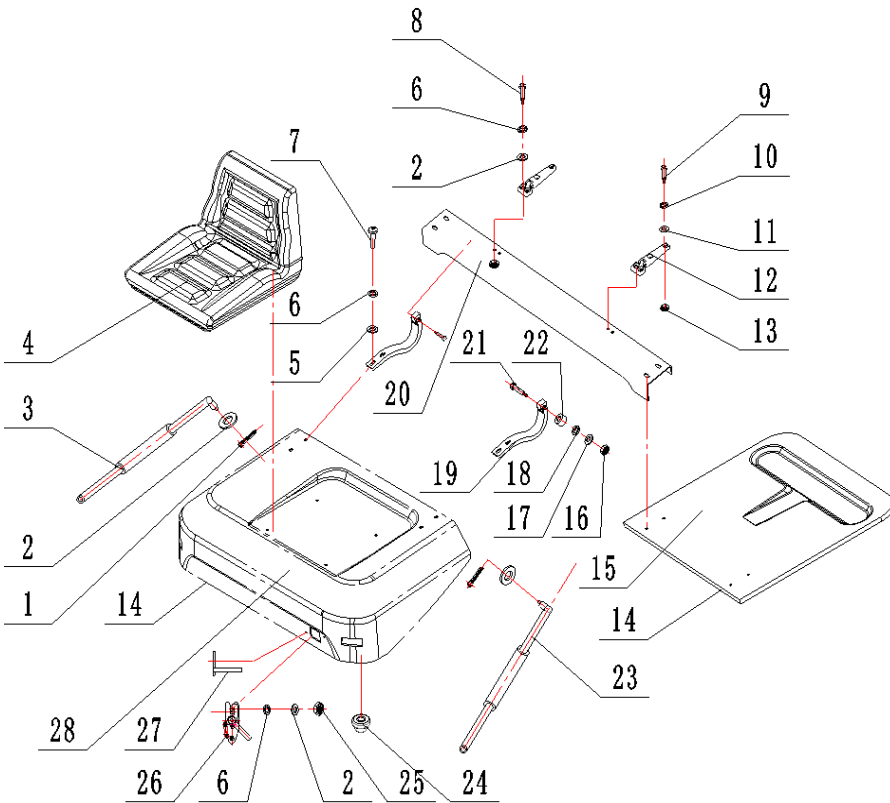
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
22	69000251	GB/T97.1-12	Washer 12	4	
23	69040348	GB/T823-M6*12-4.8J	Screw M6x12	18	
24	69005357	M6046401401	Plate	2	
25	69025002	M6046401402	Jacket	1	
26	69000051	JB/T8870-120-140	Hoop d120-d140	1	
27	69006624	M6046407000	Cable ass'y	1	
28	69000003	GB/T6171-M16*1.5-8J	Nut M16X1.5	4	
29	69000253	GB/T97.1-16	Washer 16	8	

图17-2/ Fig. 17-2

机罩座椅及座椅安装/HOOD & SEAT

FD50-100T

FD120T-MXWQ3,FD120T-MG(11)3



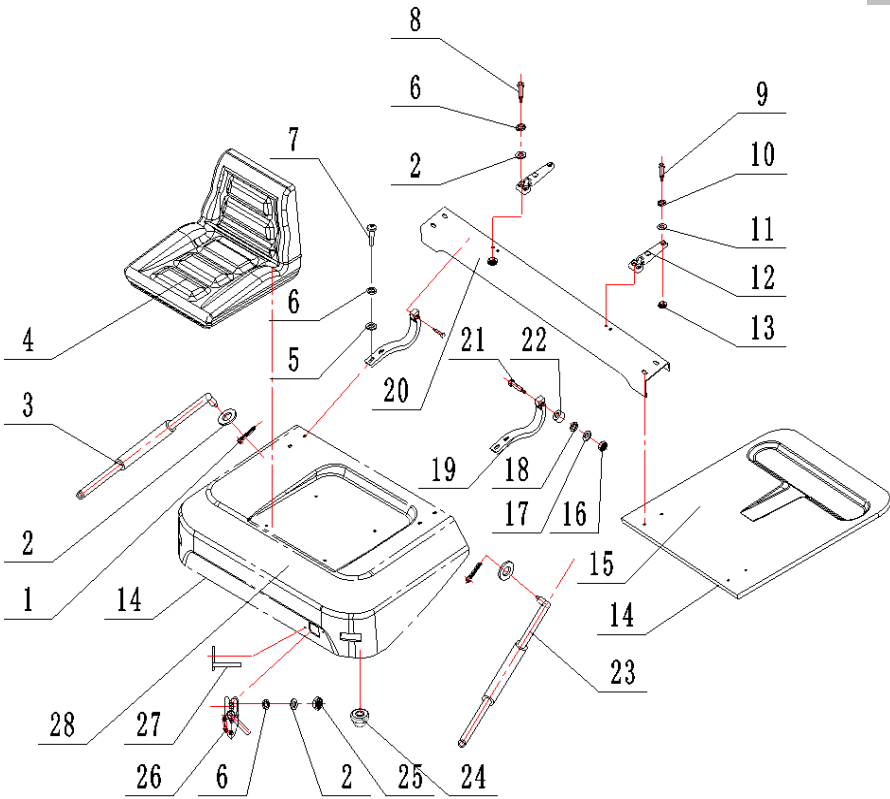
序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000095	GB/T91-3.2*16	Pin 3.2x16	4	
2	69000259	GB/T97.1-8	Washer 8	10	
3	69053580	M6046420000	Gas spring YQ20-250-620/360	1	
4	69006932	M6046801000	Seat	1	
5	69000085	GB/T96.1-8	Washer 8	4	
6	69000062	GB/T93-8	Washer 8	10	
7	69000200	GB/T5783-M8*25-8.8J	Bolt M8x25	4	
8	69000244	GB/T70.1-M8*25-8.8J	Screw M8x25	4	
9	69017614	GB/T70.1-M10*30-8.8J	Screw M10x30	4	
10	69000053	GB/T93-10	Washer 10	18	
11	69000250	GB/T97.1-10	Washer 10	18	
12	69001733	M3036407000	Hinge	2	
13	69000103	GB/T6170-M10-8J	Nut 10	8	
14	69000644	M3036400005	Seal strip L=2030	1	
15	69007402	M6046400001	Radiator cover	1	7t (除TCD3.6、GM4.3)
-	69092597	M60464DF-01000A	Radiator cover	1	配5-7t TCD3.6L4
-	69074497	M60D64G-00001	Radiator cover	1	配5-7t GM4.3
-	69034102	10A64-00001	Radiator cover	1	8-x12t
16	69000111	GB/T6170-M6-8J	Nut M6	2	
17	69000258	GB/T97.1-6	Washer 6	2	
18	69000060	GB/T93-6	Washer 6	2	
19	69007389	M6046406001	Hinge	2	
20	69007385	M6046406100	Bracket ass'y	1	5-10t (除QSB4.5)
-	69025045	10A64Q-02100	Bonnet bracket	1	5-x12t QSB4.5 x12t 6BG132
21	69088394	GB/T27-M6*50-8.8J	Hinge bolt M6X50	2	

图17-2/Fig. 17-2

机罩座椅及座椅安装/HOOD & SEAT

FD50-100T

FD120T-MXWQ3,FD120T-MG(11)3

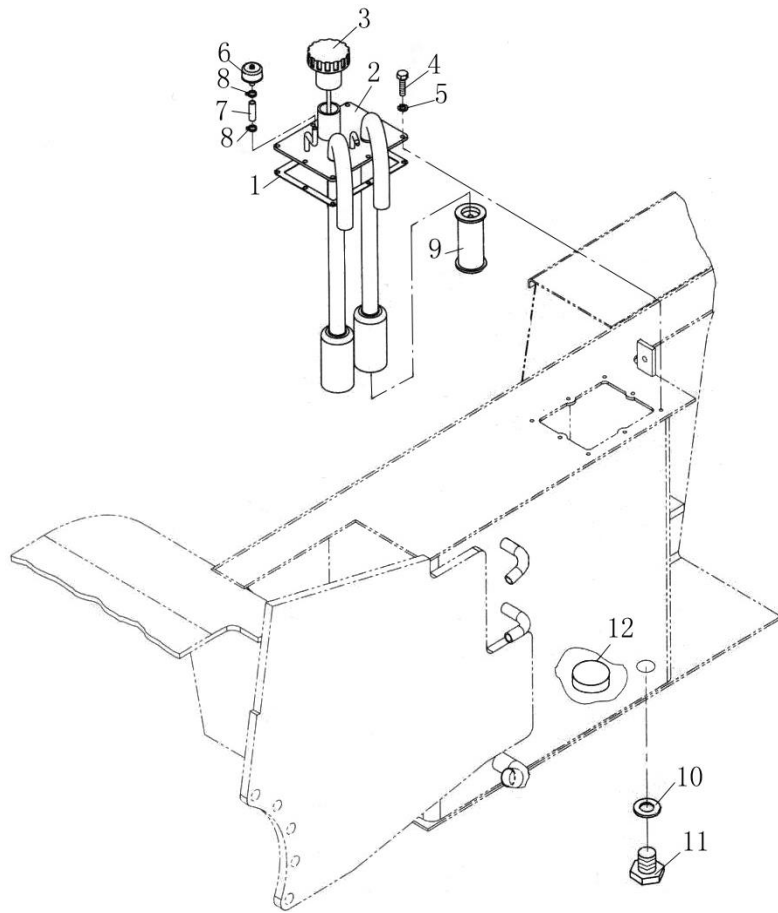


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
22	69008266	M6046406003	Bushing	2	
23	69087702	M6046410000A	Gas spring YQ20-250-620/530	1	带自锁/Self lock
24	69141396	M6046402003	Rubber damper	2	
25	69000112	GB/T6170-M8-8J	Nut M8	2	
26	69009583	M6046405200	Hood lock	1	
27	69007377	M6046405100	Lock ring bracket	1	
28	69059489	M6046402000B	Engine hood ass'y	1	

图18-1/ Fig. 18-1

工作油箱装置及安装/OIL TANK ASS'Y

FD50-120T

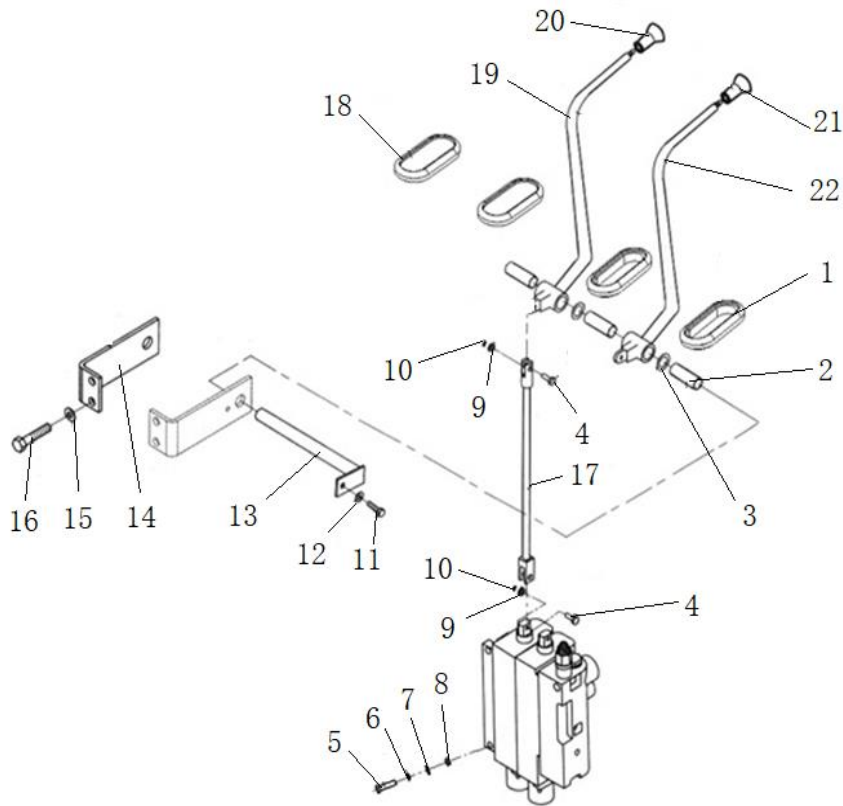


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69006404	M6047500002	Cover gasket	1	
2	69006921	M6047501000A	Cover plate ass'y	1	2020.01.01起停用
-	69006921	M6047501000A	Cover plate ass'y	1	2020.01.01起切换
3	69006877	M6047502000	Oiling cap	1	5-7T
-	69014876	10A75-01000	Oiling cap	1	8-10T
-	69041340	12A75X-01000	Oiling cap	1	x12T
4	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	8	
5	69000062	GB/T93-8	Washer 8	8	
6	69072685	S45475-02000	Breather	1	2020.01.01起停用
-	69140691	S45475-02000A	Breather	1	2020.01.01起切换
7		MJ3037500001	Hose $\phi 11.5 \times 3.5-450$	1	
8	69000052	JB/T8870-10-16	Hoop d16	2	
9	69001923	M3037503000	Hydraulic oil filter Y0809B	2	
10	69006727	JB982-30	Washer 30	1	
11	69007407	M6047500001	Drain plug	1	
12	69035702	M3032200003	Magnet $\phi 60 \times 32 \times 10$	3	

图19-1/ Fig. 19-1

多路换向阀操纵(二联) / VALVE CONTROL LINKAGE (TWO-THROW)

FD50-120T

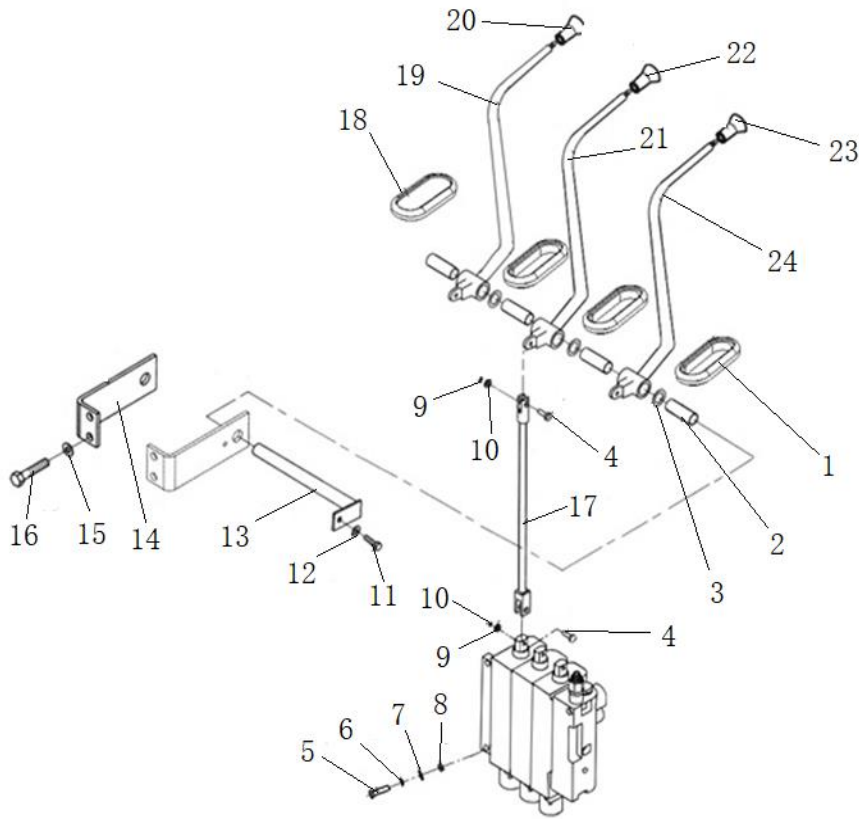


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69001629	M3037400004	Rubber pad A	2	
2	69008748	M6047400002	Bushing bearing	3	
3	69008747	M6047400003	Multi-way valve bushing	4	
4	69008457	GB/T882-Φ8*26	Pin shaft B8×26	4	
5	69041268	GB/T5782-M12*50-8.8J	Bolt M12×50	4	
6	69000251	GB/T97.1-12	Washer 12	4	
7	69000054	GB/T93-12	Washer 12	4	
8	69020188	GB/T6170-M12	Nut M12	4	
9	69000259	GB/T97.1-8	Washer 8	4	
10	69000095	GB/T91-3.2*16	Cotter pin 3.2×16	4	
11	69000189	GB/T5783-M6*12-8.8J	Bolt M6×12	1	
12	69000060	GB/T93-6	Washer 6	1	
13	69001623	M3037408000	Three-way valve pin shaf	1	
14	69007542	M6047405000	Multi-way valve bracket	1	
15	69000053	GB/T93-10	Washer 10	2	
16	69000125	GB/T5783-M10*25-8.8J	Bolt M10×25	2	
17	69006520	M6047407000	Connecting rod	2	
-	69041450	12A74X-01000	Rod	2	
18	69001627	M3037400005	Rubber pad B	2	
19	69138524	M6047402000	Tilt lever	1	2020.01.01起停用
-	69140688	M6047402000A	Tilt lever	1	2020.01.01起切换
20	69089161	M3037400007A	Tilt knob	1	
21	69089160	M3037400006A	Lift knob	1	
22	69138523	M6047401000	Lift lever	1	2020.01.01起停用
-	69140686	M6047401000A	Lift lever	1	2020.01.01起切换

图19-2/ Fig. 19-2

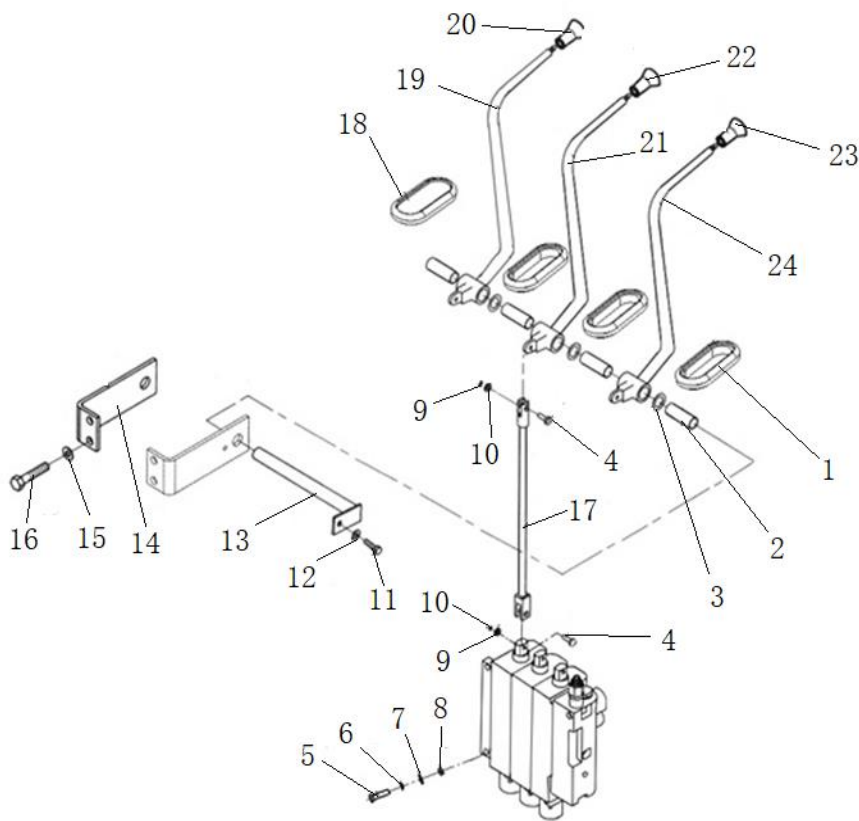
多路换向阀操纵(三联) / VALVE CONTROL LINKAGE (THREE-THROW)

FD50-120T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69001629	M3037400004	Rubber pad A	3	
2	69008748	M6047400002	Bushing bearing	4	
3	69008747	M6047400003	Multi-way valve bushing	5	
4	69008457	GB/T882-Φ8*26	Pin shaft B8×26	6	
5	69041268	GB/T5782-M12*50-8.8J	Bolt M12×50	4	
6	69000251	GB/T97.1-12	Washer 12	4	
7	69000054	GB/T93-12	Washer 12	4	
8	69020188	GB/T6170-M12	Nut M12	4	
9	69000259	GB/T97.1-8	Washer 8	6	
10	69000095	GB/T91-3.2*16	Cotter pin 3.2×16	6	
11	69000189	GB/T5783-M6*12-8.8J	Bolt M6×12	1	
12	69000060	GB/T93-6	Washer 6	1	
13	69005601	M3037410000	Four-way valve pin shaft	1	
14	69007542	M6047405000	Multi-way valve bracket	1	
15	69000053	GB/T93-10	Washer 10	2	
16	69000125	GB/T5783-M10*25-8.8J	Bolt M10×25	2	
17	69006520	M6047407000	Connecting rod	3	
-	69041450	12A74X-01000	Rod	3	
18	69001627	M3037400005	Rubber pad B	1	
19	69089258	M6047403000	Control lever (3)	1	2020.01.01起停用
-	69140689	M6047403000A	Control lever (3)	1	2020.01.01起切换
20	69089162	M3037400008A	Sidewayt knob	1	
21	69138524	M6047402000	Tilt lever	1	2020.01.01起停用
-	69140688	M6047402000A	Tilt lever	1	2020.01.01起切换
22	69089161	M3037400007A	Tilt knob	1	

FD50-120T

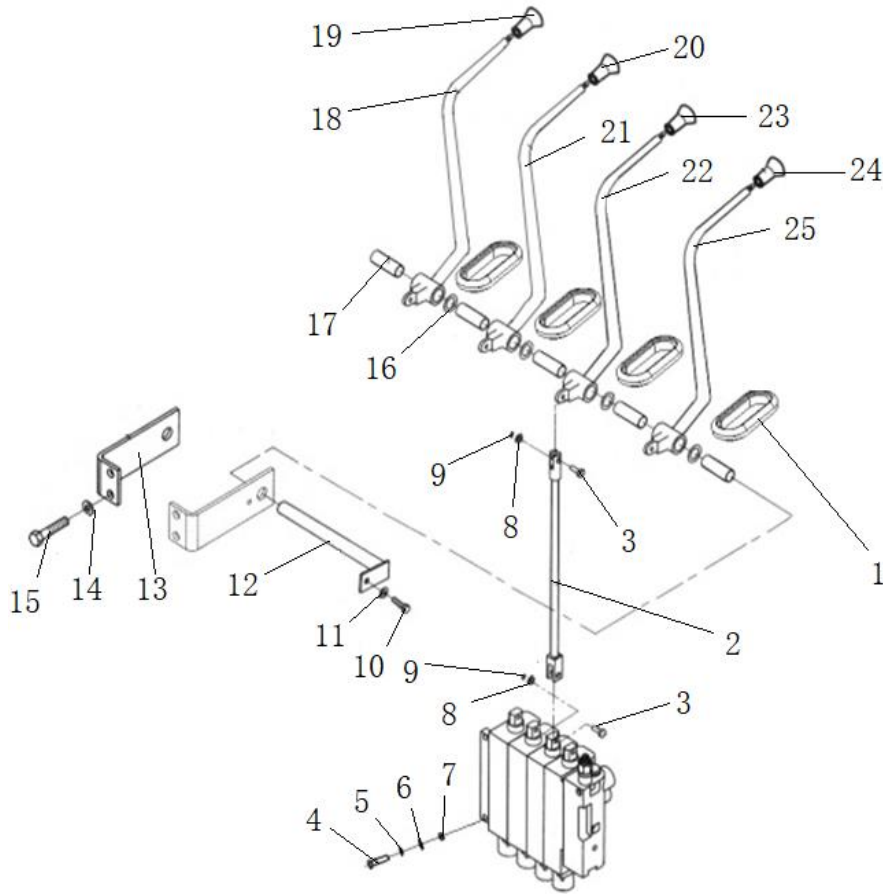


序号 Item No.	物料号 ID.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
23	69089160	M3037400006A	Lift knob	1	
24	69138523	M6047401000	Lift lever	1	2020.01.01起停用
-	69140686	M6047401000A	Lift lever	1	2020.01.01起切换

图19-3/ Fig. 19-3

多路换向阀操纵(四联) / VALVE CONTROL LINKAGE (FOUR-THROW)

FD50-120T

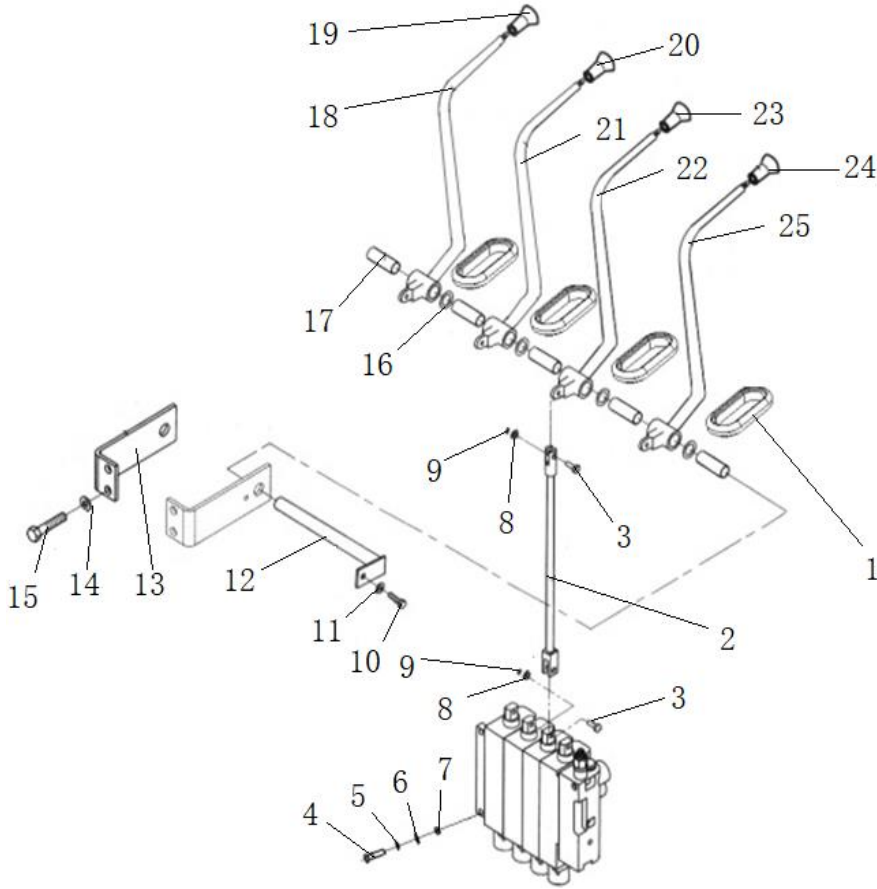


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69001629	M3037400004	Rubber pad A	4	
2	69006520	M6047407000	Connecting rod	4	
-	69041450	12A74X-01000	Rod	4	
3	69008457	GB/T882-Φ8*26	Pin shaft B8x26	8	
4	69041268	GB/T5782-M12*50-8.8J	Bolt M12x50	4	
5	69000251	GB/T97.1-12	Washer 12	4	
6	69000054	GB/T93-12	Washer 12	4	
7	69020188	GB/T6170-M12	Nut M12	4	
8	69000259	GB/T97.1-8	Washer 8	8	
9	69000095	GB/T91-3.2*16	Cotter pin 3.2x16	8	
10	69000189	GB/T5783-M6*12-8.8J	Bolt M6x12	1	
11	69000060	GB/T93-6	Washer 6	1	
12	69001616	M6047406000	Multi-way valve pin shaft	1	
13	69007542	M6047405000	Multi-way valve bracket	1	
14	69000053	GB/T93-10	Washer 10	2	
15	69000125	GB/T5783-M10*25-8.8J	Bolt M10x25	2	
16	69008747	M6047400003	Multi-way valve bushing	6	
17	69008748	M6047400002	Bushing bearing	5	
18	69089259	M6047404000	Control lever (4)	1	2020.01.01起停用
-	69140690	M6047404000A	Control lever (4)	1	2020.01.01起切换
19	69004745	PAZ00393	Knob	1	
20	69089162	M3037400008A	Sidewayt knob	1	
21	69089258	M6047403000	Control lever (3)	1	2020.01.01起停用
-	69140689	M6047403000A	Control lever (3)	1	2020.01.01起切换
22	69138524	M6047402000	Tilt lever	1	2020.01.01起停用

图19-3/ Fig. 19-3

多路换向阀操纵(四联) / VALVE CONTROL LINKAGE (FOUR-THROW)

FD50-120T

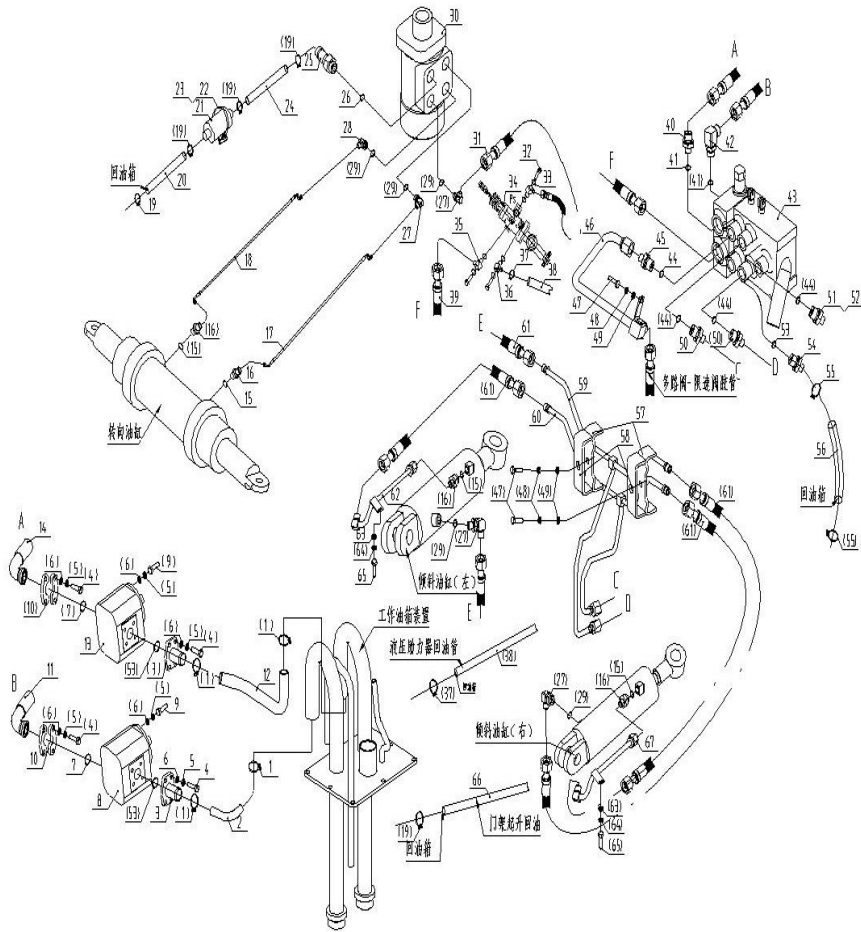


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69140688	M6047402000A	Tilt lever	1	2020.01.01起切换
23	69089161	M3037400007A	Tilt knob	1	
24	69089160	M3037400006A	Lift knob	1	
25	69138523	M6047401000	Lift lever	1	2020.01.01起停用
-	69140686	M6047401000A	Lift lever	1	2020.01.01起切换

图20-1/ Fig. 20-1

液压系统/HYDRAULIC SYSTEM

FD50-70T

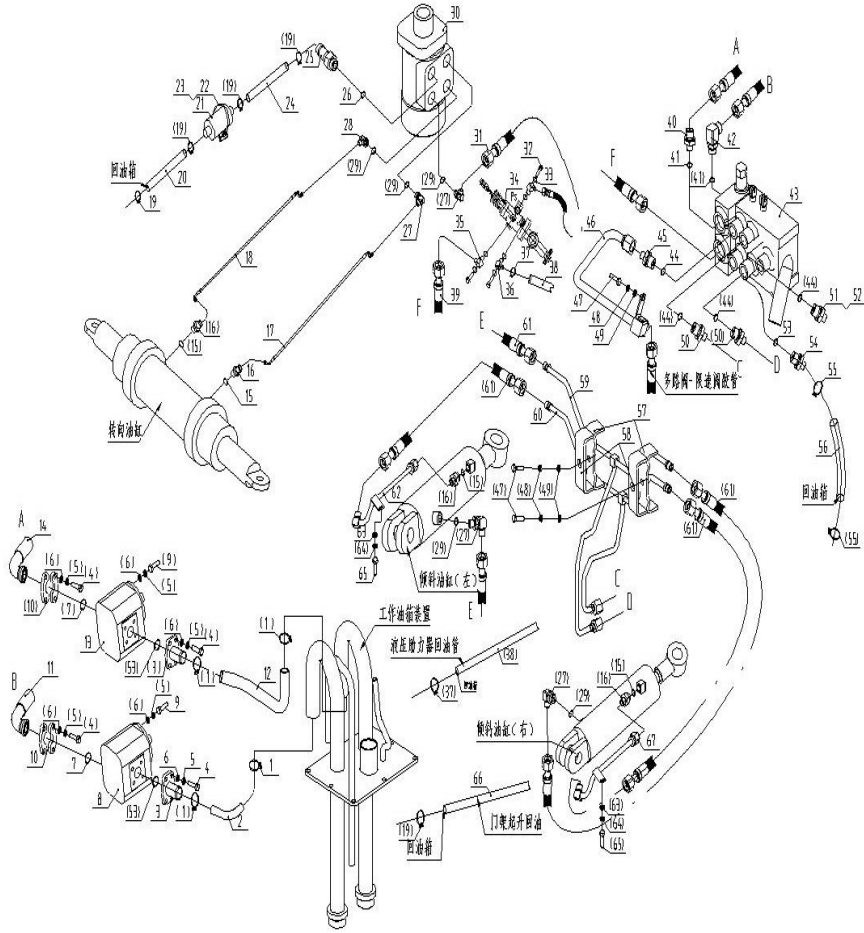


序号	物料号	代号	名称	数量	备注
n No.	ID.	Part No.	Description	Q'ty	Remark
1	69052895	JB/T8870-32-44	Hose clamp ϕ 32-44	4	
2	69006497	M6047600005	Pump suction pipe(Rear)	1	
3	69015231	M6047605200	Pump suction flange I	2	
4	69011886	GB/T5786-M10*1.25*25	Bolt M10*1.25*25	16	
5	69000053	GB/T93-10	Washer 10	20	
6	69000250	GB/T97.1-10	Washer 10	20	
7	69124146	GB/T3452.1-25*3.55-G	O-ring 25*3.55	2	
8	69024942	60476J-01000	Gear pump(Rear)	1	
9	69000128	GB/T5783-M10*30-8.8J	Bolt M10*30	4	
10	69025015	60476J-00001(FL-12)	flange	2	
11	69025016	60476J-00002	H.P. hose	1	
-	69038084	10A76-09000	H.P. hose	1	QSB4.5
12	69006498	M6047600006	Pump suction pipe(Front)	1	
13	69024941	60476J-02000	Gear pump(Front)	1	
14	69025017	60476J-00003	H.P. hose	1	
-	69041164	60476Q-00001	H.P. hose	1	QSB4.5
15	69124124	GB1235-18*2.4-G	O-ring 18*2.4	4	
16	69006251	M6047601000	Through connector	4	
17	69006748	M6047600022	Steering cylinder H.P. hose I	1	
18	69006749	M6047600023	Steering cylinder H.P. hose II	1	
19	69052895	JB/T8870-32-44	Hose clamp ϕ 32-44	4	
20	69006688	LS6688	Orbitrol H.P. hose(Rear)	1	
21	69006688	M6044700002	Hydraulic filter	1	
22	69025393	JB/T8870-100-120	Hose clamp ϕ 100-120	1	
23	69007414	M6044700006	Hydraulic filterBracket	1	

图20-1/ Fig. 20-1

液压系统/HYDRAULIC SYSTEM

FD50-70T

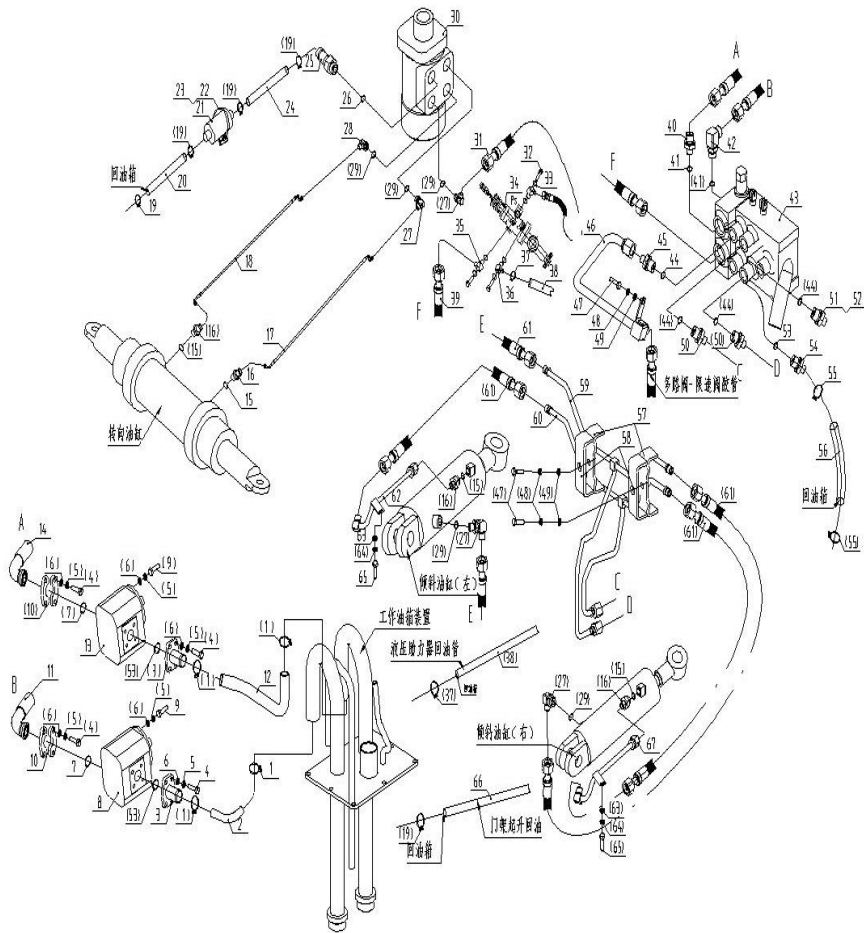


序号 No.	物料号 ID.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
24	N/A	M6047600027	Orbitrol H.P. hose(Front)	1	
25	69006264	M6047615000	Through connector	1	
26	69124131	GB1235-22*2.4-G	O-ring 22*2.4	1	
27	69006263	M6047614000	Angle connector	4	
28	69006262	M6047613000	Angle connector	1	
29	69124142	GB/T3452.1-17*2.65-G	O-ring 17*2.65	5	
30	69093991	M6047624000	Orbitrol	1	
31	69009110	60486SS-00001	Hose I	1	
32	69009779	M4547600026	Bolt	3	
33	69000355	JB/T982-16	Washer,lock16	6	
34	69009673	M4547610000	Master cylinder	1	
35	69009668	M4547600017	Connector	2	
36	69009669	M4547600018	Connector	1	
37	69022337	JB/T8870-20-32	Hose clamp φ20-32	4	
38	69106447	LS106447	Hose	1	
39	69025685	60476J-00004	Hose	1	
40	69006611	M6047617000	Through connector	1	
41	69124132	GB1235-30*3.5-G	O-ring 30*3.5	2	
42	69006253	M6047603000	Angle connector	1	
43	69006522	M6047608100	Multi-way valve	1	二联/Two way
-	69006716	M6047608200	Multi-way valve	1	三联/Threeway
-	69007670	M6047608300	Multi-way valve	1	四联/Four way
44	69124134	GB1235-32*3.1-G	O-ring 32*3.1	3	
45	69006259	M6047610000	Through connector	1	
46	69006237	M6047616000	Steel pipe Ass'y	1	

图20-1/ Fig. 20-1

液压系统/HYDRAULIC SYSTEM

FD50-70T

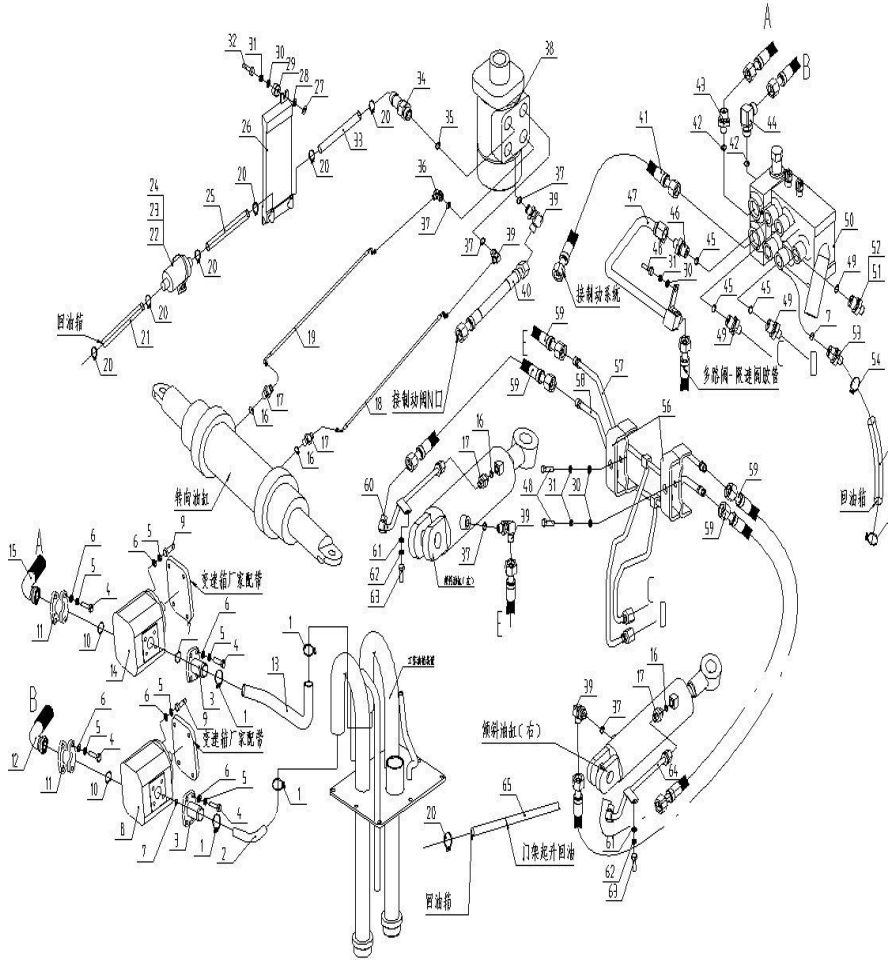


序号	物料号	代号	名称	数量	备注
1 No.	ID.	Part No.	Description	Q'ty	Remark
17	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	3	
18	69000062	GB/T93-8	Washer 8	3	
19	69000259	GB/T97.1-8	Washer 8	3	
20	69006832	M6047621000	Through connector	2	
21	69006840	M6047622000	Through connector	2	三联/Threeway
22	69006840	M6047622000	Through connector	4	四联/Four way
23	69124135	GB1235-35*3.1-G	O-ring 35*3.1	3	
24	69006258	M6047609000	Return oil connector	1	
25	69036889	JB/T8870-32-50	Hose clamp φ32-50	2	
26	69007492	M6047600007	Valve return oil hose	1	
27		M6046401002	Clip	2	
28	69007382	M6046401009	Pipe clip	2	
29	69006746	M6047619000	Tilting cylinder pipe(Front)	1	
30	69006747	M6047620000	Tilting cylinder pipe(Rear)	1	
31	69006833	M6047600021	H.P. hose	4	
32	69006738	M6047618000	Connector ass'p(Left)	1	
33	69000258	GB/T97.1-6	Washer 6	2	
34	69000060	GB/T93-6	Washer 6	2	
35	69000189	GB/T5783-M6*12-8.8J	Bolt M6x12	2	
36	69066786	M6047600028	Return oil hose	1	
37	69006739	M6047627000	Connector ass'p(Right)	1	

图20-2/ Fig. 20-2

液压系统/HYDRAULIC SYSTEM

FD80-100T-MWL2/MWL3

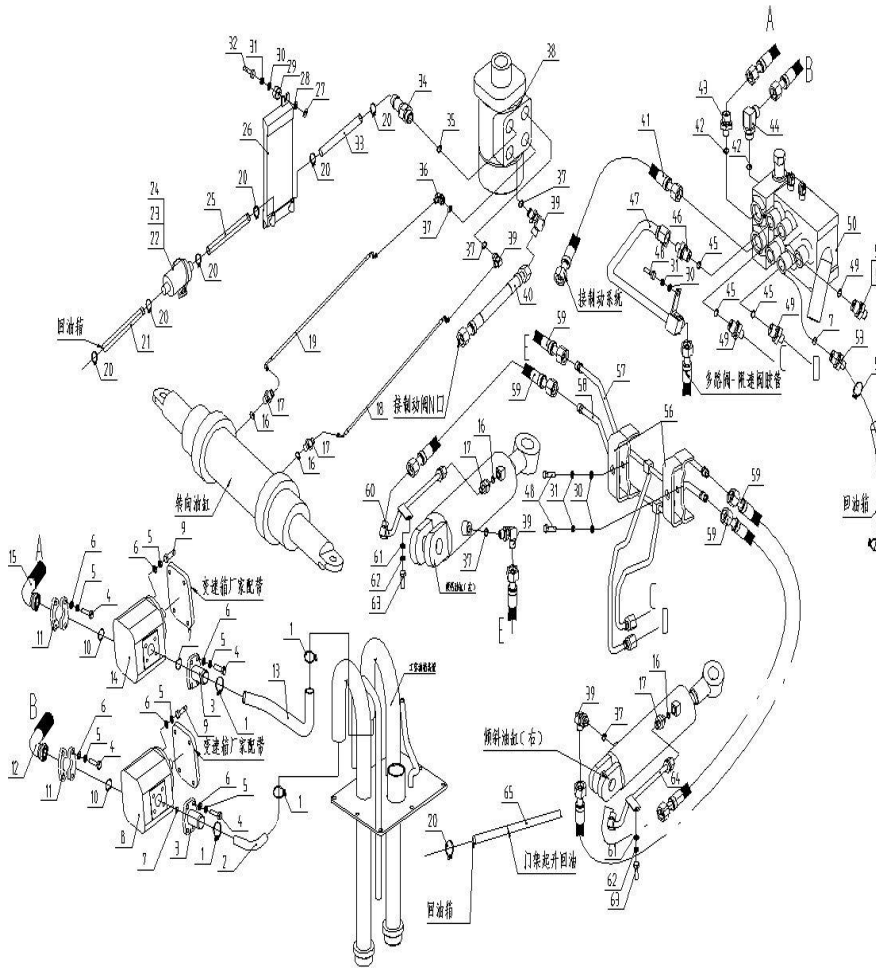


序号	物料号	代号	名称	数量	备注
1 No.	ID.	Part No.	Description	Q'ty	Remark
1	69052895	JB/T8870-32-44	Hose clamp ϕ 32-44	4	
2	69078331	S10A76-00001	Pump suction pipe(Rear)	1	
3	69015231	M6047605200	Pump suction flange II	2	
4	69011886	GB/T5786-M10*1.25*25	Bolt M10x1.25x25	14	
5	69000053	GB/T93-10	Washer 10	20	
6	69000250	GB/T97.1-10	Washer 10	20	
7	69124135	GB1235-35*3.1-G	O-ring 35x3.1	3	
8	69024942	60476J-01000	Gear pump(Rear)	1	
9	69000128	GB/T5783-M10*30-8.8J	Bolt M10x30	4	
10	69124146	GB/T3452.1-25*3.55-G	O-ring 25x3.55	2	
11	69025015	60476J-00001(FL-12)	Flange	2	
12	69038084	10A76-09000	H.P. hose	1	
13	69078332	S10A76-00002	Pump suction pipe(Front)	1	
14	69024941	60476J-02000	Gear pump(Front)	1	
15	69041164	60476Q-00001	H.P. hose	1	
16	69124124	GB1235-18*2.4-G	O-ring 18*2.4	4	
17	69006251	M6047601000	Through connector	4	
18	69011679	10A76-00022	Steering cylinder H.P. hose I	1	
19	69011680	10A76-00023	Steering cylinder H.P. hose II	1	
20	69022337	JB/T8870-20-32	Hose clamp Φ 20-32	8	
21	69006668	LS6668	Orbitrol H.P. hose(Rear)	1	
22	69006688	M6044700002	Hydraulic filter	1	
23	69047170	JB/T8870-90-110	Hose clamp Φ 90-110	1	
24	69007414	M6044700006	Hydraulic filterBracket	1	
25	69006668	LS6668	cooling pipe (Rear)	1	

图20-2/ Fig. 20-2

液压系统/HYDRAULIC SYSTEM

FD80-100T-MWL2/MWL3

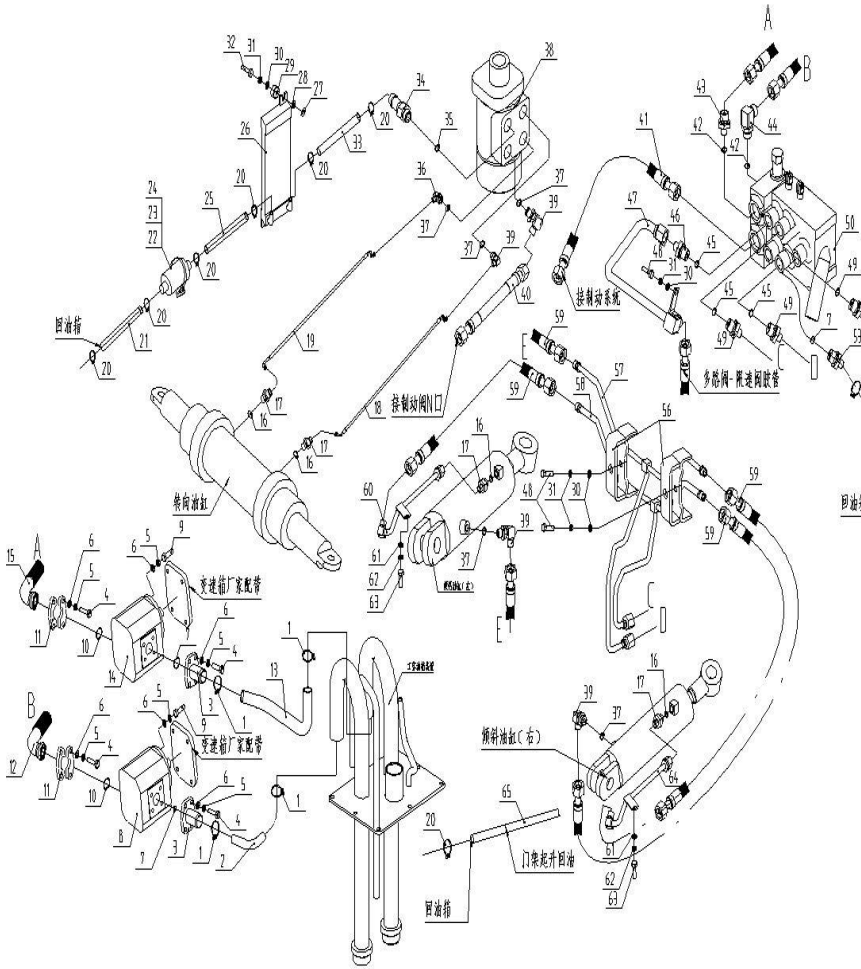


序号	物料号	代号	名称	数量	备注
No.	ID.	Part No.	Description	Q'ty	Remark
6	69037589	10A76Q-01000	oil cooler	1	
7	69000292	GB/T889.1-M8-8J	Nut M8	3	
8	69000084	GB/T96.1-12	Washer 12	3	
9	69001849	M3032100010	Washer B	3	
0	69000259	GB/T97.1-8	Washer 8	6	
1	69000062	GB/T93-8	Washer 8	6	
2	69000289	M3032100012	Water tank bolt	3	
3	69006668	LS6668	cooling pipe (Front)	1	
4	69006264	M6047615000	Through connector	1	
5	69124131	GB1235-22*2.4-G	O-ring 22*2.4	1	
6	69006262	M6047613000	Through connector	1	
7	69124142	GB/T3452.1-17*2.65-G	O-ring 17*2.65	5	
8	69093991	M6047624000	Orbitrol	1	
9	69006263	M6047614000	Through connector	4	
0	69078333	S10A76-00003	Brake valve-Orbitrol pipe	1	
1	69029216	10A76-00024	Valve-Orbitrol pipe	1	
2	69124132	GB1235-30*3.5-G	O-ring 30*3.5	2	
3	69006611	M6047617000	Through connector	1	
4	69006253	M6047603000	Through connector	1	
5	69124134	GB1235-32*3.1-G	O-ring 32*3.1	3	
6	69006259	M6047610000	Through connector	1	
7	69006237	M6047616000	Lift cylinder pipe	1	
8	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	3	
9	69006832	M6047621000	Through connector	2	
0	69011696	10A76-08100	Multi-way valve	1	二联/Two way

图20-2/ Fig. 20-2

液压系统/HYDRAULIC SYSTEM

FD80-100T-MWL2/MWL3

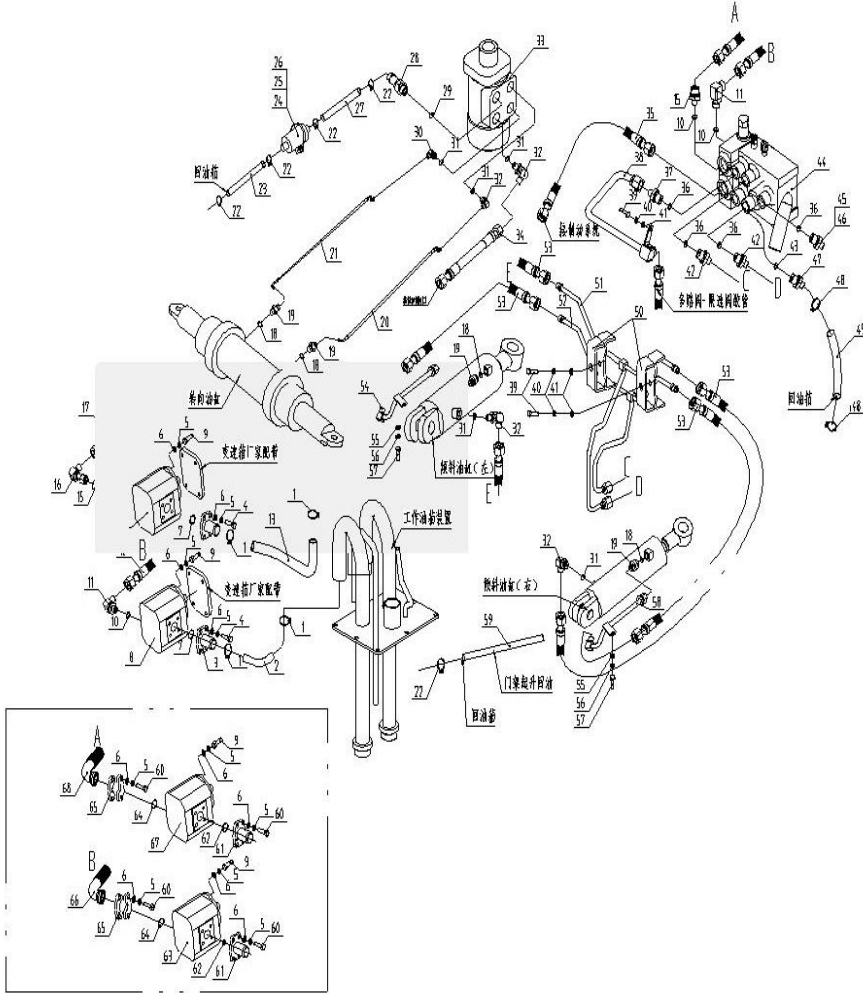


序号	物料号	代号	名称	数量	备注
No.	ID.	Part No.	Description	Q'ty	Remark
-	69020729	10A76-08200	Multi-way valve	1	三联/Threeway
-	69012350	10A76-08300	Multi-way valve	1	四联/Four way
1	69006840	M6047622000	Through connector	2	三联/Threeway
2	69006840	M6047622000	Through connector	4	四联/Four way
3	69006258	M6047609000	Return oil connector	1	
4	69036889	JB/T8870-32-50	Hose clamp Φ 32-50	2	
5	69007492	M6047600007	Valve return oil hose	1	
6	69007382	M6046401009	Pipe clip	2	
7	69006746	M6047619000	Tilting cylinder pipe(Front)	1	
8	69006747	M6047620000	Tilting cylinder pipe(Rear)	1	
9	69006833	M6047600021	H.P. hose	4	
0	69012501	10A76-18000	Connector ass'p(Left)	1	
1	69000258	GB/T97.1-6	Washer 6	2	
2	69000060	GB/T93-6	washer 6	2	
3	69000189	GB/T5783-M6*12-8.8J	Bolt M6*12	2	
4	69041503	10A76-27000	Connector ass'p(right)	1	
5	69006668	LS6668	Return oil hose	1	

图20-3/ Fig. 20-3

液压系统/HYDRAULIC SYSTEM

FD80-100T-MG(4)2/MG(4)3

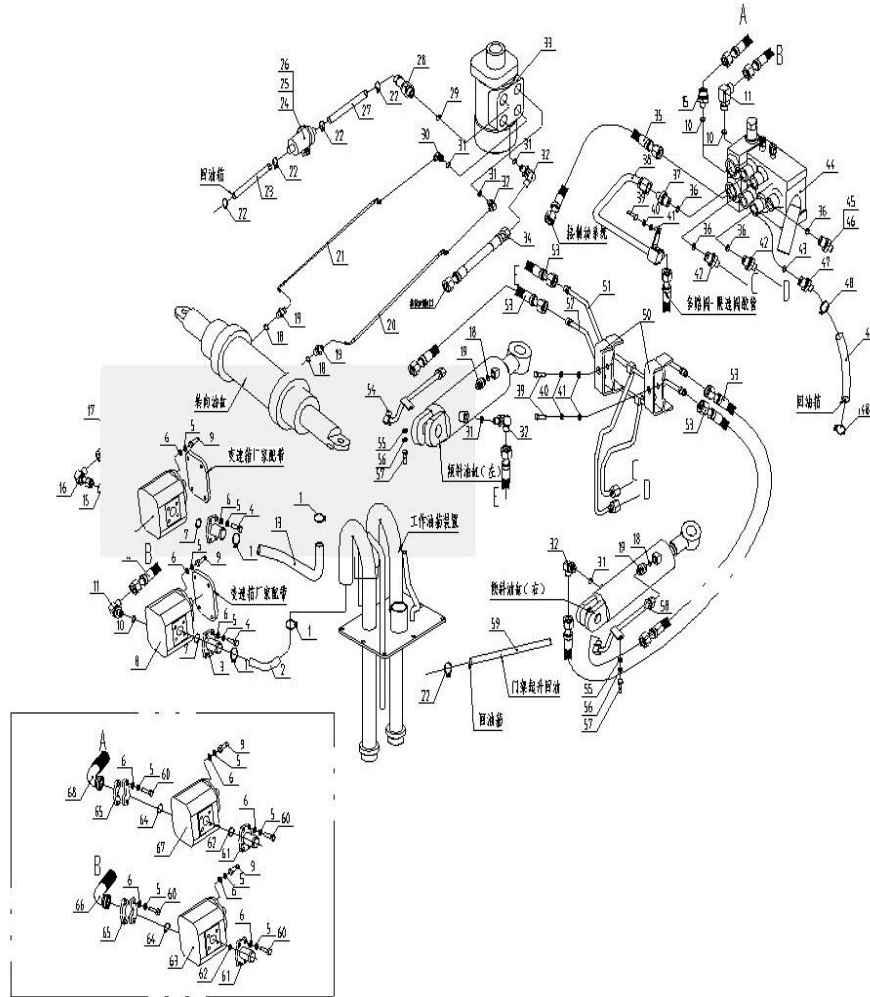


序号	物料号	代号	名称	数量	备注
n No.	ID.	Part No.	Description	Q'ty	Remark
1	69052895	JB/T8870-32-44	Hose clamp ϕ 32-44	4	
2	69078331	S10A76-00001	Pump suction pipe(Rear)	1	
3	69007404	M6047605100	Pump suction flange I	2	6BG1用
4	69000125	GB/T5783-M10*25-8.8J	Bolt M10*25	8	6BG1用
5	69000053	GB/T93-10	Washer 10	8	
6	69000250	GB/T97.1-10	Washer 10	8	
7	69124136	GB1235-45*3.1-G	O-ring 45*3.1	2	6BG1用
8	69005243	M6047607100	Gear pump(Rear)	1	6BG1用
9	69000128	GB/T5783-M10*30-8.8J	Bolt M10*30	4	
10	69124132	GB1235-30*3.5-G	O-ring 30*3.5	4	
11	69006253	M6047603000	Through connector	2	6102、6108用1
12	69006231	M6047600003	H.P. hose	1	6BG1用
13	69078332	S10A76-00002	Pump suction pipe(Front)	1	
14		M60476Z06000备件	Gear pump(Front)	1	6BG1用
15	69006611	M6047617000	Through connector	2	6102、6108用1
16	69020878	M6047626000	Connector	1	6BG1用
17	69080077	S10A76I-00001	H.P. hose	1	6BG1用
18	69124124	GB1235-18*2.4-G	O-ring 18*2.4	4	
19	69006251	M6047601000	Through connector	4	
20	69011679	10A76-00022	Steering cylinder H.P. hose I	1	
21	69011680	10A76-00023	Steering cylinder H.P. hose II	1	
22	69022337	JB/T8870-20-32	Hose clamp Φ 20-32	5	
23	69006668	LS6668	Orbital H.P. hose(Rear)	1	
24	69006688	M6044700002	Hydraulic filter	1	
25	69047170	JB/T8870-90-110	Hoop Φ 90-110	1	

图20-3/ Fig. 20-3

液压系统/HYDRAULIC SYSTEM

FD80-100T-MG(4)2/MG(4)3

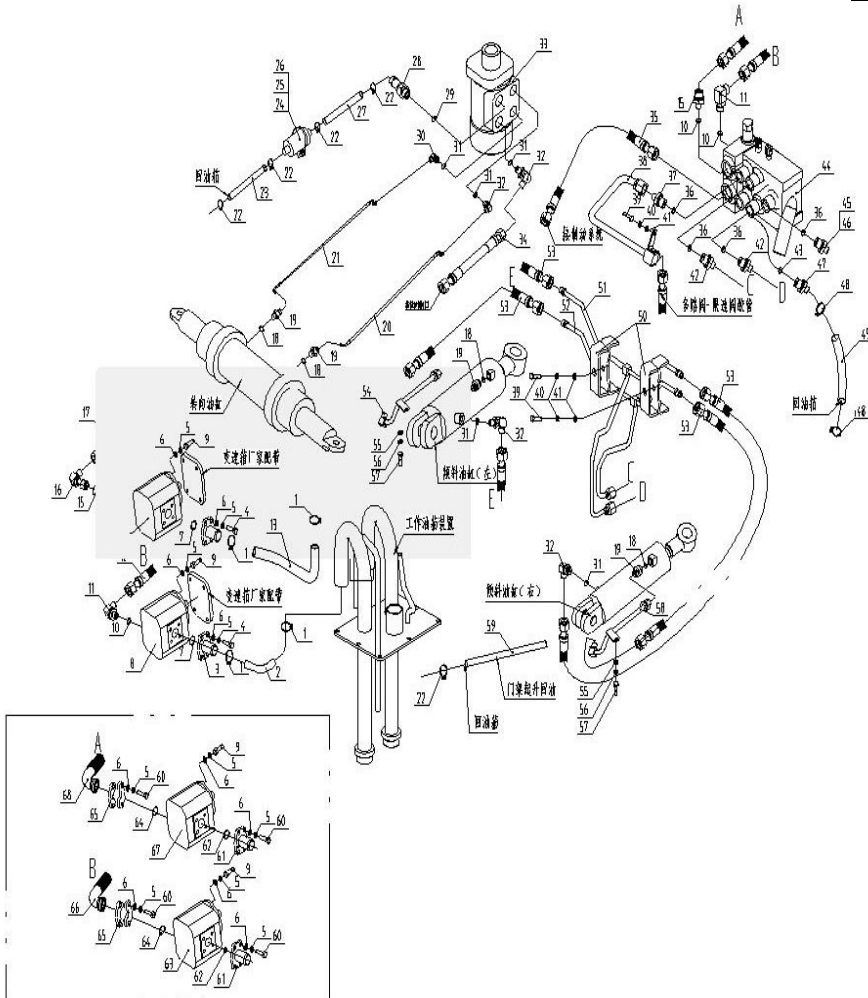


序号	物料号	代号	名称	数量	备注
1 No.	ID.	Part No.	Description	Q'ty	Remark
26	69007414	M6044700006	Hydraulic filterBracket	1	
27	69006668	LS6668	Orbitrol H.P. hose(Front)	1	
28	69006264	M6047615000	Through connector	1	
29	69124131	GB1235-22*2.4-G	O-ring 22*2.4	1	
30	69006262	M6047613000	Through connector	1	
31	69124142	GB/T3452.1-17*2.65-G	O-ring 17*2.65	5	
32	69006263	M6047614000	Through connector	4	
33	69093991	M6047624000	Orbitrol	1	
34	69078333	S10A76-00003	Brake valve-Orbitrol pipe	1	
35	69029216	10A76-00024	Valve-Orbitrol pipe	1	
36	69124134	GB1235-32*3.1-G	O-ring 32*3.1	3	
37	69006259	M6047610000	Through connector	1	
38	69006237	M6047616000	Lift cylinder pipe	1	
39	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	3	
40	69000062	GB/T93-8	Washer 8	3	
41	69000259	GB/T97.1-8	washer 8	3	
42	69006832	M6047621000	Through connector	2	
43	69124135	GB1235-35*3.1-G	O-ring 35*3.1	1	
44	69011696	10A76-08100	Multi-way valve	1	二联/Two way
-	69020729	10A76-08200	Multi-way valve	1	三联/Threeway
-	69012350	10A76-08300	Multi-way valve	1	四联/Four way
45	69006840	M6047622000	Through connector	2	三联/Threeway
46	69006840	M6047622000	Through connector	4	四联/Four way
47	69006258	M6047609000	Return oil connector	1	
48	69036889	JB/T8870-32-50	Hoop Φ32-50	2	

图20-3/ Fig. 20-3

液压系统/HYDRAULIC SYSTEM

FD80-100T-MG(4)2/MG(4)3

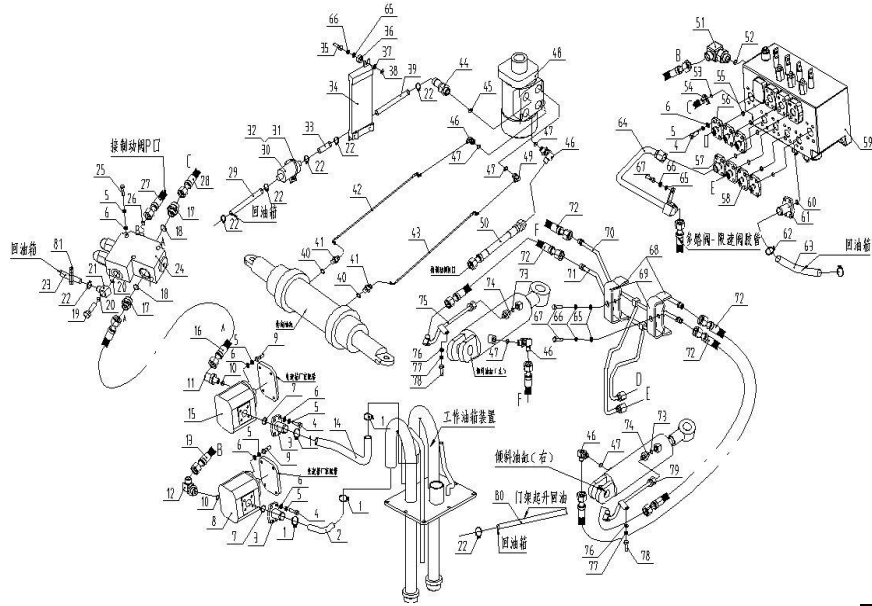


序号	物料号	代号	名称	数量	备注
i No.	ID.	Part No.	Description	Q'ty	Remark
9	69007492	M6047600007	Valve return oil hose	1	
10	69007382	M6046401009	Pipe clip	2	
11	69006746	M6047619000	Tilting cylinder pipe(Front)	1	
12	69006747	M6047620000	Tilting cylinder pipe(Rear)	1	
13	69006833	M6047600021	H.P. hose	4	
14	69012501	10A76-18000	Connector ass'p(Left)	1	
15	69000258	GB/T97.1-6	Washer 6	2	
16	69000060	GB/T93-6	washer 6	2	
17	69000189	GB/T5783-M6*12-8.8J	Bolt M6*12	2	
18	69041503	10A76-27000	Connector ass'p(right)	1	
19	69006668	LS6668	Return oil hose	1	
20	69011886	GB/T5786-M10*1.25*25	Bolt M10*1.25*25	16	6102、6108用
21	69015231	M6047605200	Pump suction flange II	2	6102、6108用
22	69124135	GB1235-35*3.1-G	O-ring 35*3.1	2	6102、6108用
23	69024942	60476J-01000	Gear pump(Rear)	1	6102、6108用
24	69124146	GB/T3452.1-25*3.55-G	O-ring 25*3.55	2	6102、6108用
25	69025015	60476J-00001(FL-12)	Flange	2	6102、6108用
26	69025016	60476J-00002	H.P. hose	1	6102、6108用
27	69024941	60476J-02000	Gear pump(Front)	1	6102、6108用
28	69025017	60476J-00003	H.P. hose	1	6102、6108用

图20-4/ Fig. 20-4

液压系统/HYDRAULIC SYSTEM

FD120T-MXWQ3,FD120T-MG(11)3

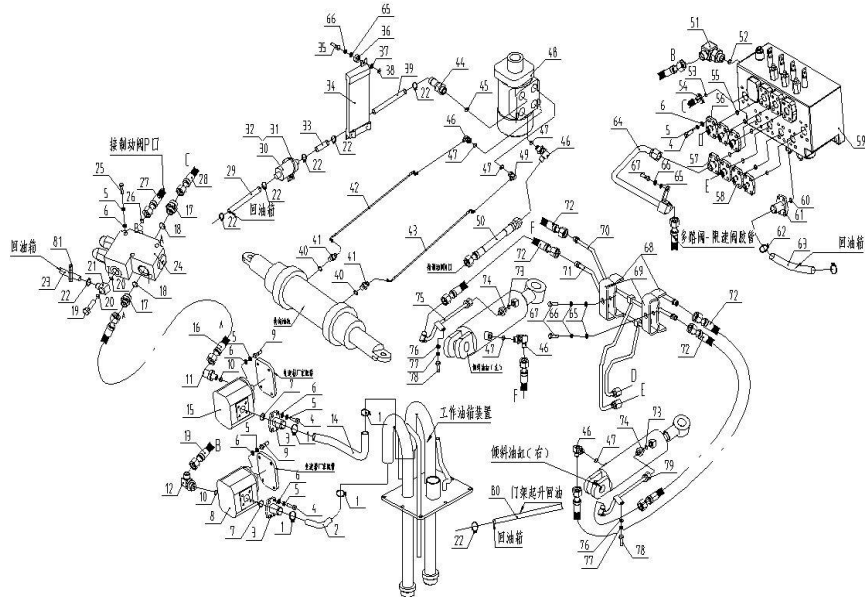


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69052895	JB/T8870-32-44	Hose clamp ϕ 32-44	4	
2	69041452	12A76X-00001	Pump suction pipe(Rear)	1	
3	69007404	M6047605100	Pump suction flange I	2	
4	69000125	GB/T5783-M10*25-8.8J	Bolt M10*25	44	
5	69000053	GB/T93-10	Washer 10	55	
6	69000250	GB/T97.1-10	Washer 10	55	
7	69124136	GB1235-45*3.1-G	O-ring 45*3.1	2	
8	69040798	12A76X-01000	Gear pump(Rear)	1	
9	69000116	GB/T5786-M10*1.25*30-8.8J	Bolt M10*1.25*30	8	
10	69124132	GB1235-30*3.5-G	O-ring 30*3.5	2	
11	69006611	M6047617000	Through connector	2	
12	69006253	M6047603000	Angle connector	1	
13	69006231	M6047600003	H.P. hose I	1	
14	69041458	12A76X-00003	Pump suction pipe(Front)	1	
15	69040799	12A76X-02000	Gear pump(Front)	1	
16	69041459	12A76X-00004	Hose	1	
17	69041460	12A76X-13000	Connector	2	
18	69010616	JB982-33	Washer 33	2	
19	69009667	M4547600016	Bolt	1	
20	69000358	JB/T982-22	Washer 22	2	
21	69041466	12A76X-00006	Connector	1	
22	69052895	JB/T8870-32-44	Hose clamp ϕ 32-44	8	
23	69006668	LS6668	Hose	1	
24	69040801	12A76X-04000	Distribotor valve	1	
25	69018334	GB/T5782-M10*70-8.8J	Bolt M10*70	3	

图20-4/ Fig. 20-4

液压系统/HYDRAULIC SYSTEM

FD120T-MXWQ3,FD120T-MG(11)3

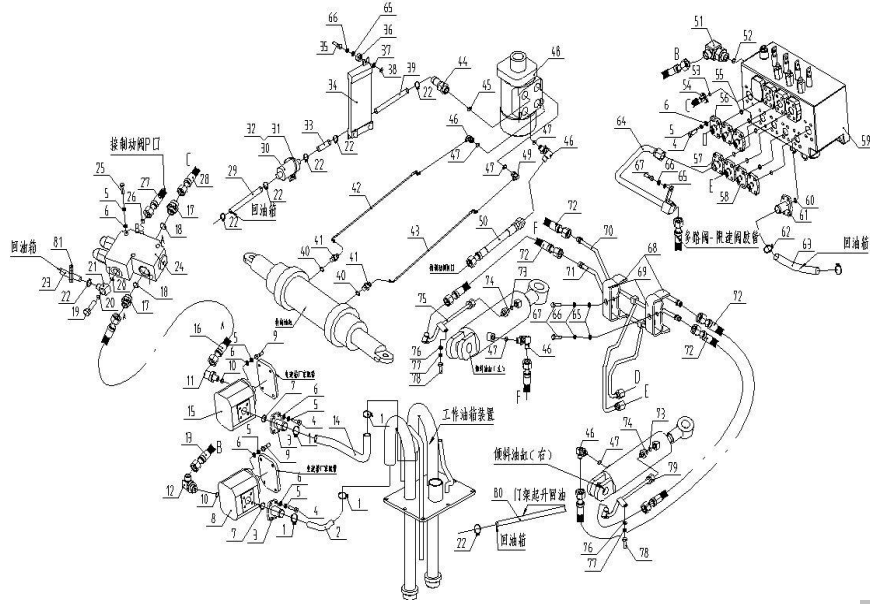


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69134087	GB/T3452.1-8.5*2.65-G	O-ring 8.5*2.65	1	
27	69041469	12A76X-00005	Hose	1	
28	69041470	12A76X-00008	Hose I	1	
29	69006668	LS6668	Orbitrol H.P. hose(Rear)	1	
30	69006688	M6044700002	Hydraulic filter	1	
31	69047170	JB/T8870-90-110	Hose clamp Φ90-110	1	
32	69007414	M6044700006	Hydraulic filterBracket	1	
33	69006668	LS6668	Hose	1	
34	69043566	12A76X-15000	Oil cooler	1	
35	69000289	M3032100012	Radiator Bolt	3	
36	69001849	M3032100010	Washer B	3	
37	69000084	GB/T96.1-12	Washer 12	3	
38	69000292	GB/T889.1-M8-8J	Nut M8	3	
39	69006668	LS6668	Hose	1	
40	69022457	GB/T1235-24*2.4	O-ring 24*2.4	4	
41	69041475	12A76X-05000	Connector	2	
42	69041476	12A76X-00012	Steering cylinder H.P. hose I	1	
43	69018157	60486S-01006	Steering cylinder H.P. hose II	1	
44	69006264	M6047615000	Through connector	1	
45	69124131	GB1235-22*2.4-G	O-ring 22*2.4	1	
46	69006263	M6047614000	Angle connector	4	
47	69124142	GB/T3452.1-17*2.65-G	O-ring 17*2.65	5	
48	69093991	M6047624000	Orbitrol	1	
49	69006262	M6047613000	Angle connector	1	
50	69041479	12A76X-00014	Brake valve-Orbitrol pipe	1	

图20-4/ Fig. 20-4

液压系统/HYDRAULIC SYSTEM

FD120T-MXWQ3,FD120T-MG(11)3

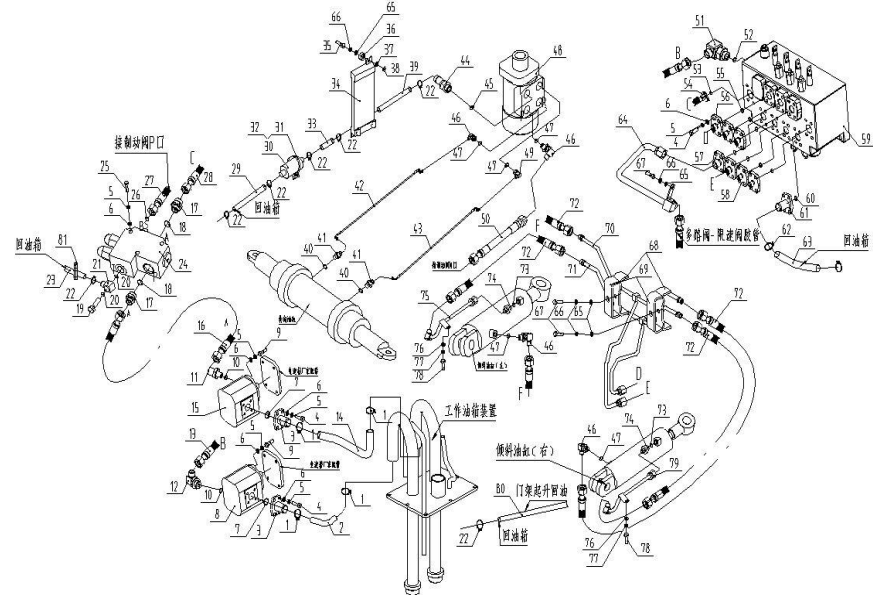


序号 Item No.	物料号 ID.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
51	69043240	12A76X-14000	Connector	1	
52	69006727	JB982-30	Washer 30	1	
53	69017983	GB/T3452.1-37.5*3.55	O-ring 37.5*3.55	1	
54	69044942	60476J-00001/4	Clip	2	
55	69124135	GB1235-35*3.1-G	O-ring 35*3.1	7	
56	69041480	12A76X-06000	Flange I	2	
57	69041483	12A76X-07000	Flange II	1	
58	69041486	12A76X-08000	Flange III	4	
59	69040800	12A76X-03000	Multi-way valve	1	
60	69124136	GB1235-45*3.1-G	O-ring 45*3.1	1	
61	69041489	12A76X-09000	Connector	1	
62	69036889	JB/T8870-32-50	Hose clamp Φ 32-50	2	
63	69041492	12A76X-00015	Valve return oil hose	1	
64	69041493	12A76X-10000	Steel pipe Ass'y	1	
65	69000259	GB/T97.1-8	Washer 8	3	
66	69000062	GB/T93-8	Washer 8	3	
67	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	3	
68		M6046401002	Clip	2	
69	69007382	M6046401009	Pipe clip	2	
70	69041495	12A76X-11000	Tilting cylinder pipe(Front)	1	
71	69041499	12A76X-12000	Tilting cylinder pipe(Rear)	1	
72	69006833	M6047600021	H.P. hose	4	
73	69124124	GB1235-18*2.4-G	O-ring 18*2.4	2	
74	69006251	M6047601000	Through connector	2	
75	69012501	10A76-18000	Connector ass'p(Left)	1	

图20-4/ Fig. 20-4

液压系统/HYDRAULIC SYSTEM

FD120T-MXWQ3, FD120T-MG(11)3

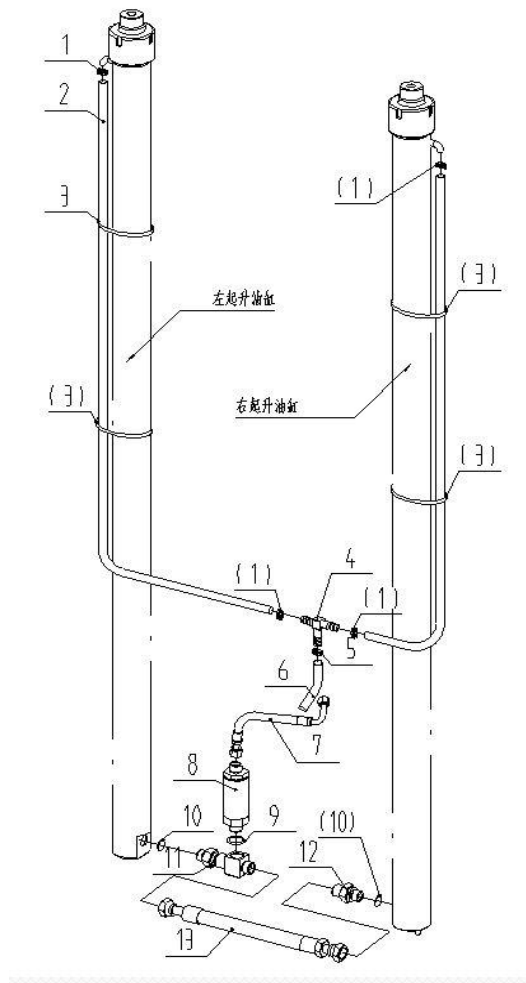


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69073089	12A76X-16000	Connector ass'p(Left)	1	2018.09.01起
76	69000258	GB/T97.1-6	Washer 6	2	
77	69000060	GB/T93-6	Washer 6	2	
78	69000189	GB/T5783-M6*12-8.8J	Bolt M6*12	2	
79	69041503	10A76-27000	Connector ass'p(Right)	1	
-	69073090	12A76X-17000	Connector ass'p(Right)	1	2018.09.01起
80	69006668	LS6668	Return oil hose	1	
81	69036938	10A36Q-00002	Clip	1	

图21-1/ Fig. 21-1

门架管路系统(基本型二联) / HYDRAULIC SYSTEM NORMAL MAST (TWO WAY)

FD50-70T

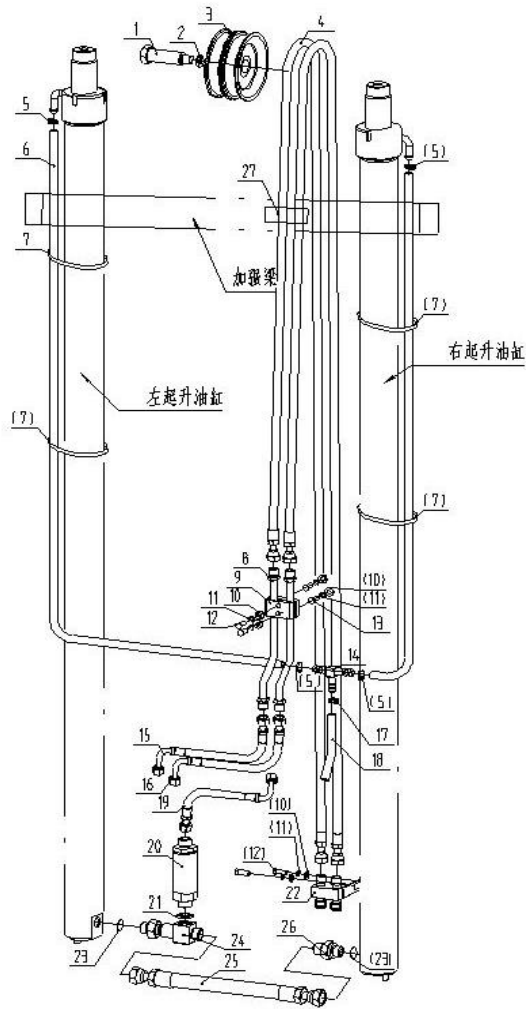


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69036894	JB/T8870-16-25	Hose clamp Φ 16-25	4	
2	69106447	LS106447	Return oil hose I	2	5T, 6T
-	69106447	LS106447	Return oil hose I	2	7T
3	N/A	ST8x350	Cable tie	4	AS NEEDED
4	69006149	60486-00004	Return oil tee connector	1	
5	69036894	JB/T8870-16-25	Hose clamp Φ 16-25	1	
6	69066786	M6047600028	Return oil hose	1	
7	69006233	60486-00001	Flow regulator H.P. hose	1	
8	69006296	60486-01000	Flow regulator	1	
9	69018910	GB/T1235-30*3.1	O-ring 30*3.1	1	
10	69124132	GB1235-30*3.5-G	O-ring 30*3.5	2	
11	69006261	60486-02000	Lift cylinder tee connector	1	
12	69006260	30388-00005	Lift cylinder connector	1	
13	69006234	60486-00002	H.P. hose	1	

图21-2/ Fig. 21-2

门架管路系统(基本型三联) / HYDRAULIC SYSTEM NORMAL MAST (THREE WAY)

FD50-70T

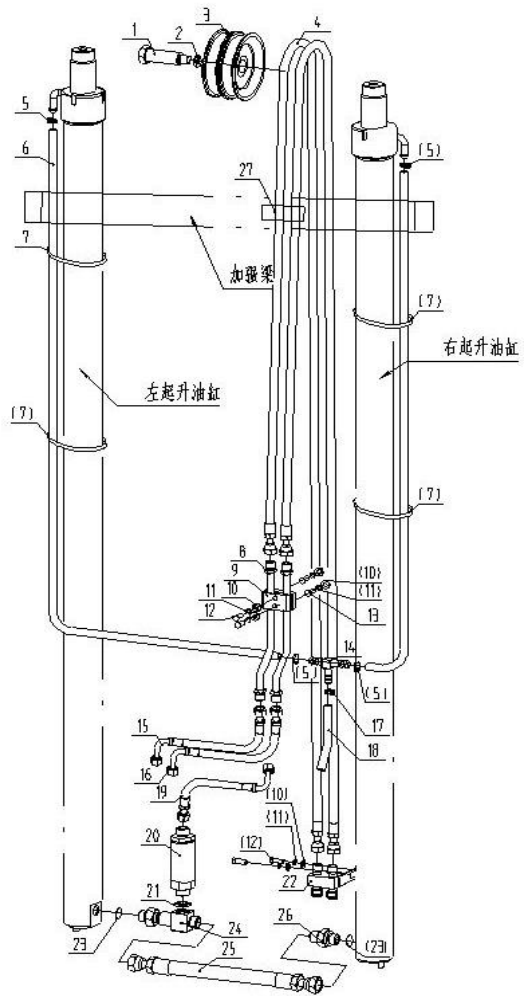


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69016660	30386S-00003	Step bolt	1	
2	69008450	30386S-00004(11.5)	Sleeve	1	
3	69024358	60486S-00004	Double groove pulley	1	
4	N/A	60486S-01000	Pulley H.P. hose	2	5T, 6T AS NEEDED
-	N/A	70486S-01000	Pulley H.P. hose	2	7T AS NEEDED
5	69036894	JB/T8870-16-25	Hose clampΦ16-25	4	
6	69106447	LS106447	Return oil hose I	2	5T, 6T
-	69106447	LS106447	Return oil hose I	2	7T
7	N/A	ST8x350	Cable tie	4	AS NEEDED
8	69006825	60486S-02000	Adjusting pipe	2	
9	69068024	60486S-00001/A	Clip	1	
-	69008599	60486S-00001/B	Clip	1	
10	69000259	GB/T97.1-8	Washer 8	6	
11	69000062	GB/T93-8	Washer 8	6	
12	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	4	
13	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	2	
14	69006149	60486-00004	Return oil tee connector	1	
15	69006829	60486S-00002	Adjusting pipe H.P. hose I	1	
16	69006830	60486S-00003	Adjusting pipe H.P. hose II	1	
17	69036894	JB/T8870-16-25	Hose clampΦ16-25	1	
18	69066786	M6047600028	Return oil hose	1	
19	69006233	60486-00001	Flow regulator H.P. hose	1	
20	69006296	60486-01000	Flow regulator	1	
21	69018910	GB/T1235-30*3.1	O-ring 30*3.1	1	
22	69006831	60486S-03000	Cross connector	1	

图21-2/ Fig. 21-2

门架管路系统 (基本型三联) / HYDRAULIC SYSTEM NORMAL MAST (THREE WAY)

FD50-70T

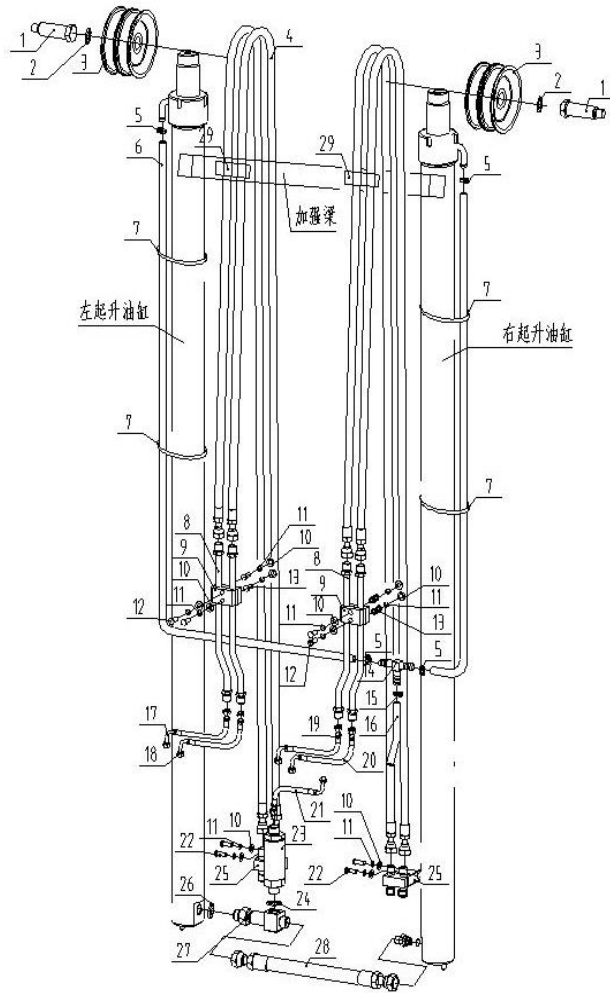


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
23	69124132	GB1235-30*3.5-G	O-ring 30*3.5	2	
24	69006261	60486-02000	Lift cylinder tee connector	1	
25	69006234	60486-00002	H.P. hose	1	
26	69006260	30388-00005	Lift cylinder connector	1	
27	69042550	LS42550	Clip	1/2	≥4m/≥5.5m(13.5)

图21-3/ Fig. 21-3

门架管路系统 (基本型四联) / HYDRAULIC SYSTEM NORMAL MAST (FOUR WAY)

FD50-70T

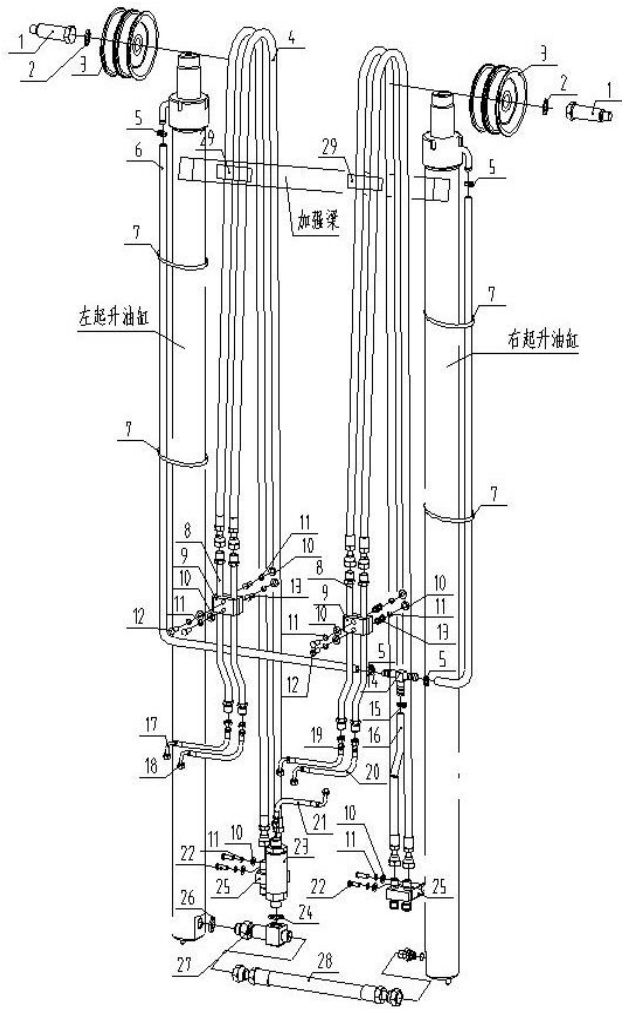


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69016660	30386S-00003	Step bolt	2	
2	69008450	30386S-00004(11.5)	Sleeve	4	
3	69024358	60486S-00004	Double groove pulley	2	
4	N/A	60486S-01000	Pulley H.P. hose	4	5T-6T AS NEEDED
-	N/A	70486S-01000	Pulley H.P. hose	4	7T AS NEEDED
5	69036894	JB/T8870-16-25	Hose clampΦ16-25	4	
6	69106447	LS106447	Return oil hose I	2	5T-6T
-	69106447	LS106447	Return oil hose I	2	7T
7	N/A	ST8x350	Cable tie	4	AS NEEDED
8	69006825	60486S-02000	Adjusting pipe	4	
9	69068024	60486S-00001/A	Clip	2	
-	69008599	60486S-00001/B	Clip	2	
10	69000259	GB/T97.1-8	Washer 8	12	
11	69000062	GB/T93-8	Washer 8	12	
12	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	8	
13	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	4	
14	69006149	60486-00004	Return oil tee connector	1	
15	69036894	JB/T8870-16-25	HoopΦ16-25	1	
16	69066786	M6047600028	Return oil hose	1	
17	69009110	60486SS-00001	Adjusting pipe H.P. hose I	1	
18	69008900	60486SS-00002	Adjusting pipe H.P. hose II	1	
19	69006829	60486S-00002	Adjusting pipe H.P. hose I	1	
20	69006830	60486S-00003	Adjusting pipe H.P. hose II	1	
21	69006233	60486-00001	Flow regulator H.P. hose	1	
22	69135248	GB/T5783-2000-M8*16	Bolt M8*16	4	

图21-3/Fig. 21-3

门架管路系统 (基本型四联) / HYDRAULIC SYSTEM NORMAL MAST (FOUR WAY)

FD50-70T

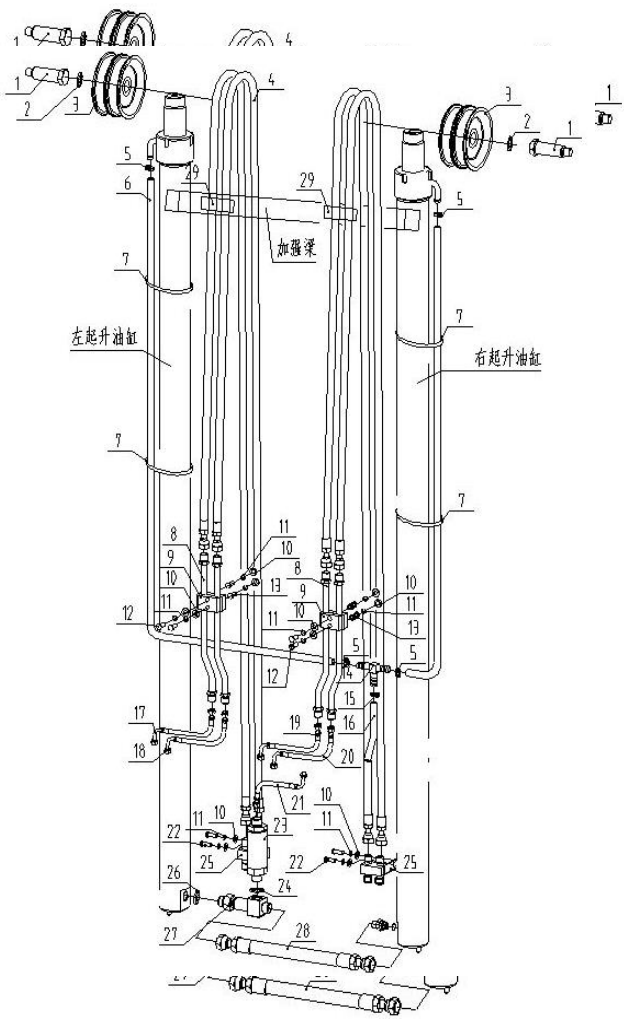


序号 Item No.	物料号 ID.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
23	69006296	60486-01000	Flow regulator	1	
24	69018910	GB/T1235-30*3.1	O-ring 30*3.1	1	
25	69006831	60486S-03000	Cross connector	2	
26	69018827	GB/T1235-30*3.5	O-ring 30*3.5	2	
27	69006261	60486-02000	Lift cylinder tee connector	1	
28	69006234	60486-00002	H.P. hose	1	
29	69042550	LS42550	Clip	2/4	4m/≥5.5m(13.5.6增加)

图21-3/ Fig. 21-3

基本型门架管路选用表 (二--四联) / HYDRAULIC SYSTEM OPTIONAL PARTS

FD50-70T



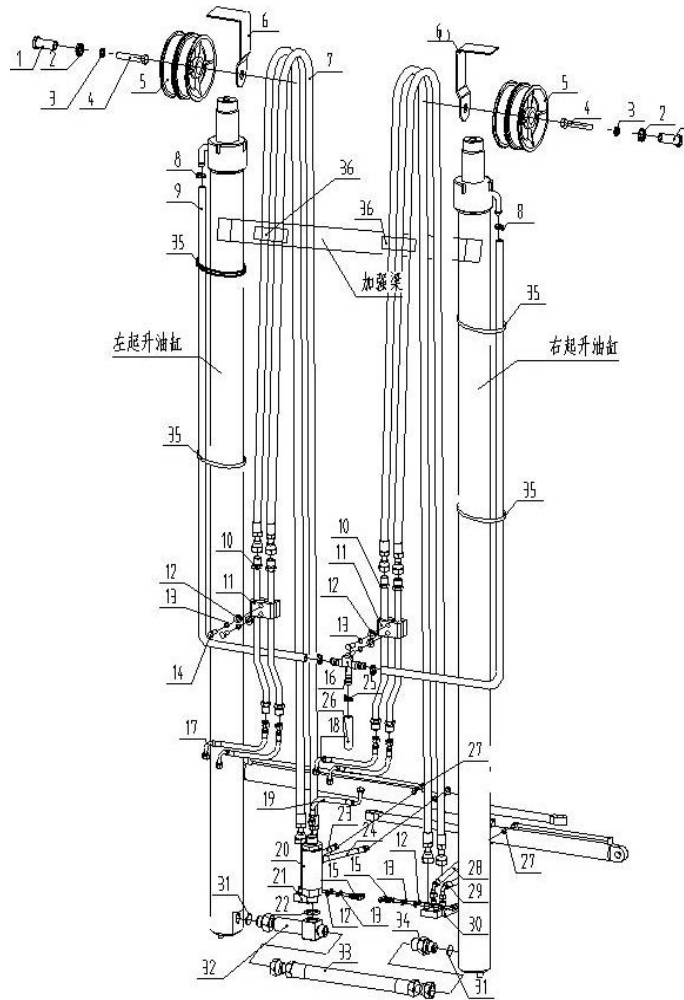
管路系统选用件-滑轮胶管(件4)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	5T-6T		7T	备注 REMARK
	ID.	60486S-01000 PLASTIC HOSE	ID.	
2500	69018152	60486S-01001	69019018	
2700	69018153	60486S-01002	69019114	
2750	69019112	10A87SS-09003	69011679	
3000	69011679	10A76-00022	69018156	
3250	69018156	60486S-01005	69019117	
3300	69018157	60486S-01006	69018172	
3500	69019117	10A87SS-09008	69018159	
3750	69018159	60486S-01008	69018174	
4000	69018160	60486S-01009	69018161	
4250	69018161	60486S-01010	69019022	
4500	69019022	45486S-01010	69018163	
4750	69018163	60486S-01012	69018164	
5000	69018242	45488S-05002	69018179	
5500	69018165	60486S-01014	69018180	
6000	69018166	60486S-01015	69018181	

图21-4/ Fig. 21-4

门架管路系统 (基本型四联) / HYDRAULIC SYSTEM NORMAL MAST (FOUR WAY)

FD80-100T

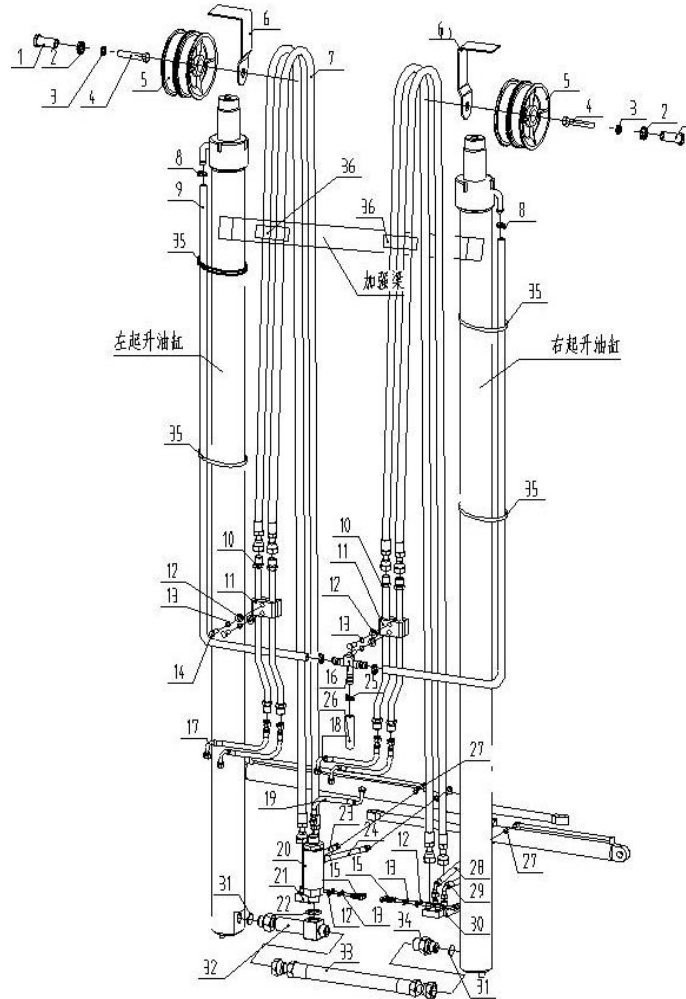


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69015477	10A86SS-00001	Shaft set	2	
2	69008450	30386S-00004(11.5)	Sleeve	2	
3	69000056	GB/T93-16	Washer 16	2	
4	69012304	GB/T5786-M16*1.5*90-8.8J	Bolt M16*1.5*90	2	
5	69015458	10A86SS-00002	Pulley	2	
6		10A86SS-00003	Cap	2	
7	N/A	10A86SS-01000	Pulley H.P. hose	2	AS NEEDED
8	69036894	JB/T8870-16-25	HoopΦ16-25	5	
9	69106447	LS106447	Return oil hose I	2	
10	69006825	60486S-02000	Adjusting pipe	4	
11	69008599	60486S-00001/B	Clip	2	
12	69000259	GB/T97.1-8	Washer 8	8	
13	69000062	GB/T93-8	Washer 8	8	
14	69000217	GB/T5783-M8*55-8.8J	Bolt M8*55	4	
15	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	4	
16	69006149	60486-00004	Return oil tee connector	1	
17	69008758	60488S-00004	Adjusting pipe H.P. hose	2	
18	69008900	60486SS-00002	Adjusting pipe H.P. hose II	2	
19	69011675	10A86SS-00004	Flow regulator H.P. hose	1	
20	69011695	10A86SS-03000	Flow regulator	1	
21	69015478	10A86SS-04000	Cross connector I	1	
22	69124133	GB1235-35*3.5-G	O-ring 35*3.5	1	
23	69017641	10A86SS-00005	Positioning H.P. hose I	1	
24	69015461	10A86SS-00006	Positioning H.P. hose II	1	
25	69022337	JB/T8870-20-32	HoopΦ20-32	1	

图21-4/ Fig. 21-4

门架管路系统 (基本型四联) / HYDRAULIC SYSTEM NORMAL MAST (FOUR WAY)

FD80-100T

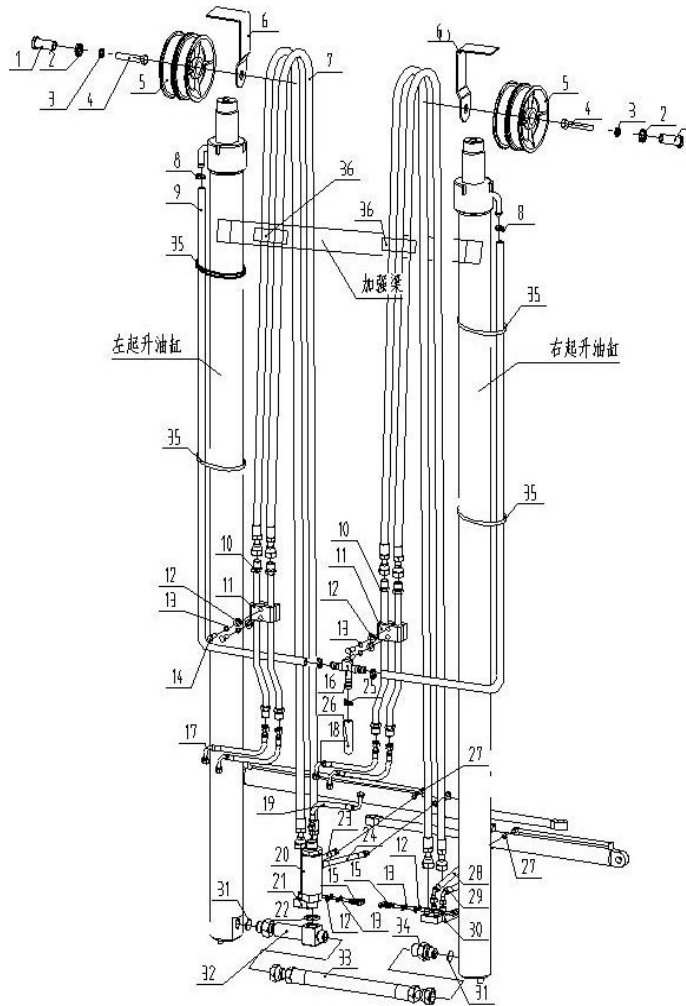


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	N/A	10A76-00028	Return oil hose	1	
27	69024499	GB3452.1-8*2.65	O-ring 8*2.65	4	
28	69017640	10A86SS-00007	Positioning H.P. hose III	1	
29	69017639	10A86SS-00008	Positioning H.P. hose IV	1	
30	69015479	10A86SS-05000	Cross connector II	1	
31	69124132	GB1235-30*3.5-G	O-ring 30*3.5	1	
32	69011672	10A86SS-06000	Lift cylinder tee connector	1	
33	69011676	10A86SS-00009	H.P. hose	1	
34	69011671	10A86SS-00010	Lift cylinder connector	1	
35	N/A	ST8x500	Cable tie	4	
36	69042550	LS42550	Pipe clip	2/4	≥4m/≥5.5m (13.5.6增加)

图21-4/ Fig. 21-4

基本型门架管路选用表 (四联) / HYDRAULIC SYSTEM OPITIONAL PARTS (FOUR WAY)

FD80-100T



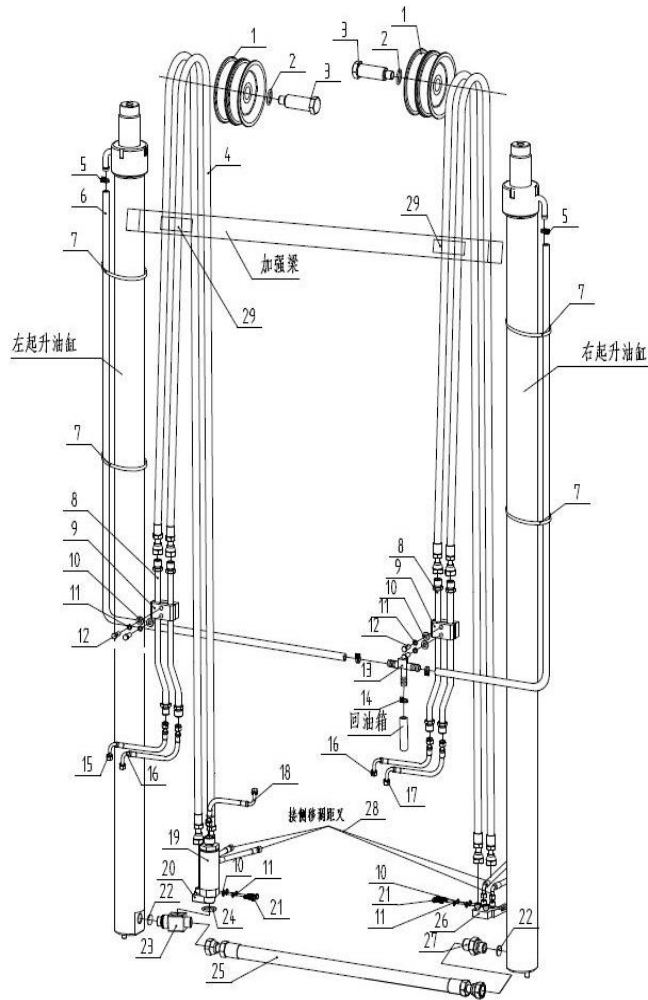
管路系统选用件-滑轮胶管(件7)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-7		备注 REMARK
	ID.	10A86SS-01000 Pulley H.P. hose	
1700	69019097	60487S-01007	
2300	69019112	10A87SS-09003	
2700	69011680	10A76-00023	
3000	69015464	10A86SS-01003	
3250	69015465	10A86SS-01004	
3300	69015466	10A86SS-01005	
3500	69015467	10A86SS-01006	
3750	69015468	10A86SS-01007	
4000	69015469	10A86SS-01008	
4250	69015470	10A86SS-01009	
4500	69015471	10A86SS-01010	
4750	69015472	10A86SS-01011	
5000	69015473	10A86SS-01012	
5500	69018180	70486S-01014	
6000	69018181	70486S-01015	

图21-5/ Fig. 21-5

门架管路系统 (基本型四联) / HYDRAULIC SYSTEM NORMAL MAST (FOUR WAY)

FD120T-MXWQ3,FD120T-MG(11)3

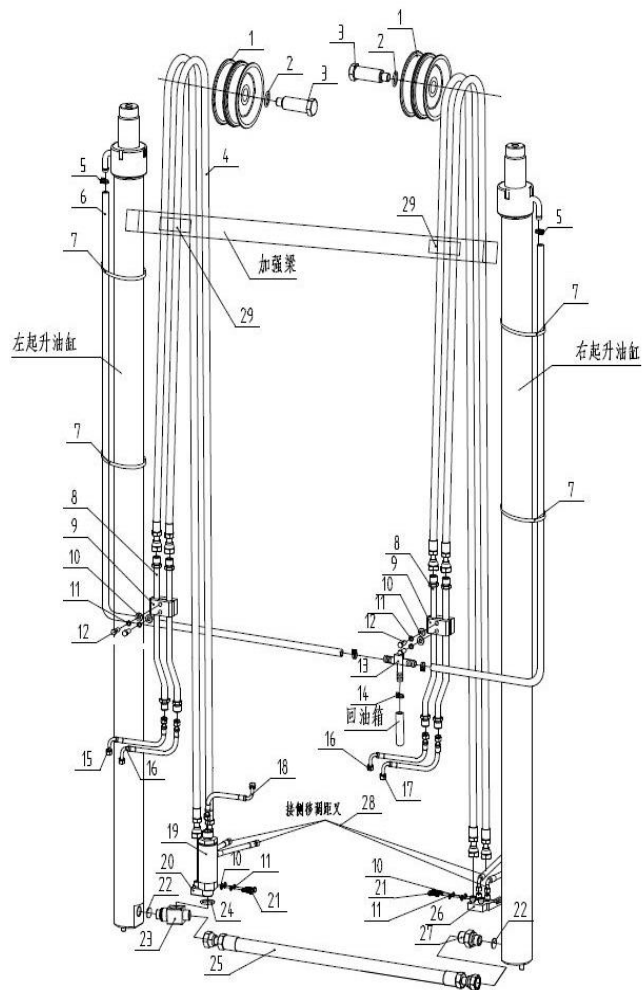


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69015458	10A86SS-00002	Shaft set	2	
2	69000579	30386S-00004(8)	Sleeve	4	
3	69016660	30386S-00003	Step bolt	2	
4	N/A	12A86XSS-01000	Pulley Hose H.P.	4	AS NEEDED
5	69036894	JB/T8870-16-25	HoopΦ16-25	4	
6	69106447	LS106447	Return oil hose I	2	
7	N/A	ST8x500	Cable tie	4	
8	69006825	60486S-02000	Steel pipe	4	
9	69068024	60486S-00001/A	Clip	2	
-	69008599	60486S-00001/B	Clip	2	
10	69000259	GB/T97.1-8	Washer 8	8	
11	69000062	GB/T93-8	Washer 8	8	
12	69000217	GB/T5783-M8*55-8.8J	Bolt M8*55	4	
13	69006149	60486-00004	Return oil tee connector	1	
14	69022337	JB/T8870-20-32	HoopΦ20-32	1	
15	69044386	12A86XSS-00005	Adjusting pipe H.P. hose III	1	
16	69041525	12A86XSS-00001	Adjusting pipe H.P. hose I	2	
17	69041526	12A86XSS-00002	Adjusting pipe H.P. hose II	1	
18		12A86XSS-00003	Flow regulator H.P. hose	1	
19	69041528	12A86XSS-03000	Flow regulator	1	
20	69041529	12A86XSS-04000	Cross connector I	1	
21	69000203	GB/T5783-M8*30-8.8J	Bolt M8*30	4	
22	69124132	GB1235-30*3.5-G	O-ring 30*3.5	1	
23	69011672	10A86SS-06000	Lift cylinder tee connector	1	
24	69124133	GB1235-35*3.5-G	O-ring 35*3.5	1	

图21-5/ Fig. 21-5

门架管路系统 (基本型四联) / HYDRAULIC SYSTEM NORMAL MAST (FOUR WAY)

FD120T-MXWQ3, FD120T-MG(11)3

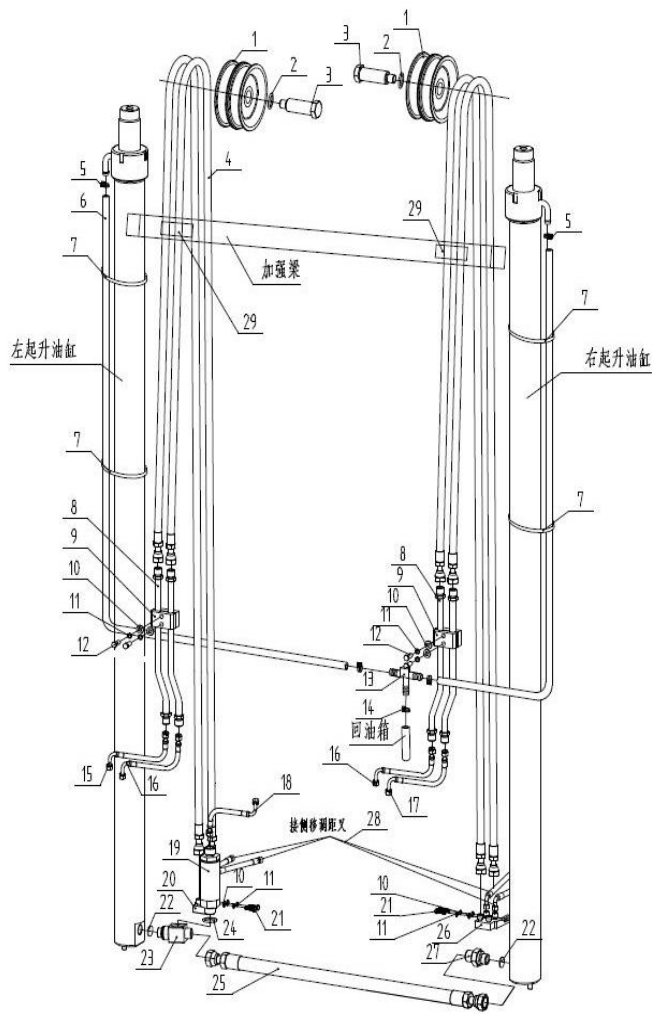


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69041531	12A86XSS-00004	H.P. hose	1	
26	69041532	12A86XSS-05000	Cross connector II	1	
27	69011671	10A86SS-00010	Lift cylinder connector	1	
28	69081920	12AS26-10000A	H.P. hose	1	
29	69042550	LS42550	Pipe clip	2/4	≥4m/≥5.5m (13.5.6增加)

图21-5/ Fig. 21-5

基本型门架管路选用表 (四联) / HYDRAULIC SYSTEM OPITONAL PARTS (FOUR WAY)

FD120T-MXWQ3, FD120T-MG(11)3



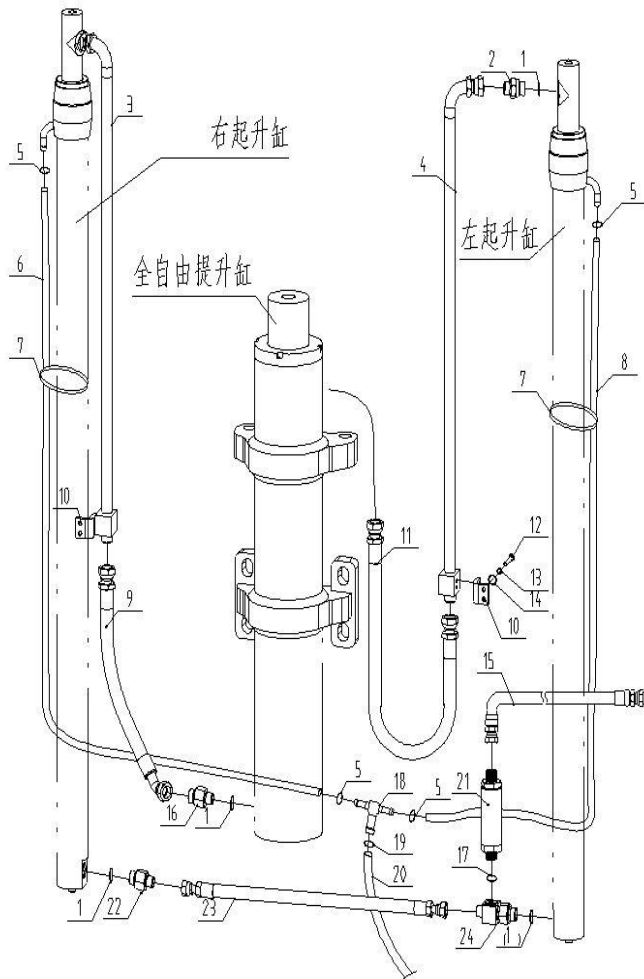
管路系统选用件-滑轮胶管(件4)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-4		备注 REMARK
	ID.	12A86XSS-01000 PLASTIC HOSE	
3000	69018172	70486S-01006	
3250	69050068	45486S-01007	
3300	69015467	10A86SS-01006	
3500	69019021	45486S-01008	
3750	69069096	12A86XSS-01000/3.75	
4000	69022556	25A76-00028	
4250	69018163	60486S-01012	
4500	69033297	60488S-05001	
4750	69018179	70486S-01013	
5000	69033321	45788S-01002	
5500	69018166	60486S-01015	
6000	69041517	12A86XSS-01011	

图21-6/ Fig. 21-6

二级全自由门架管路系统(二联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (TWO WAY)

FD50-70T

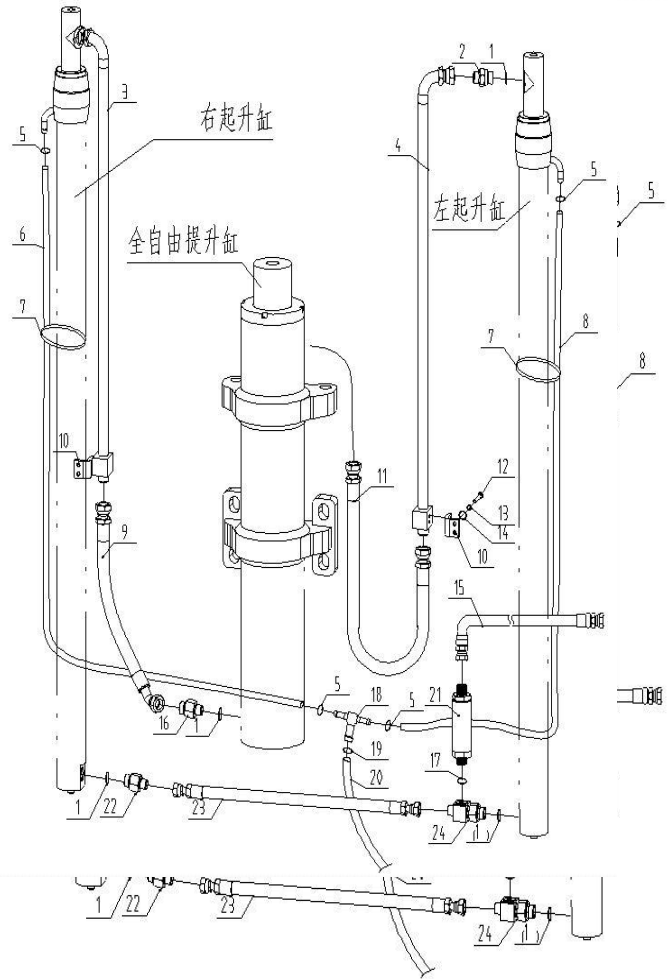


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69018910	GB/T1235-30*3.1	O-ring 30*3.1	3	
2	69007312	60487-00004	Pipe connector	2	
3	N/A	60487-01000	Pipe aas'y	1	AS NEEDED
4	N/A	60487-02000	Return oil pipe aas'y	1	AS NEEDED
5	69036894	JB/T8870-16-25	HoopΦ16-25	4	
6	69106447	LS106447	Return oil hose I	1	
7	N/A	ST8x500	Cable tie	4	
8	69106447	LS106447	Return oil hose II	1	
9	69013044	60487-00002	Middle cylinder H.P. hose	1	
10	69013043	60487-00003	Pipe bracket	2	
11	N/A	60487-03000	Middle cylinder return oil hose	1	AS NEEDED
12	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	4	
13	69000062	GB/T93-8	Washer 8	4	
14	69000259	GB/T97.1-8	Washer 8	4	
15	69006233	60486-00001	Flow regulator H.P. hose	1	
16	69007312	60487-00004	Middle cylinder connector	1	
17	69124132	GB1235-30*3.5-G	O-ring 30*3.5	3	
18	69006149	60486-00004	Return oil tee connector	1	
19	69036894	JB/T8870-16-25	HoopΦ16-25	1	
20	69066786	M6047600028	Return oil hose	1	
21	69006296	60486-01000	Flow regulator	1	
22	69006260	30388-00005	Lift cylinder connector	1	
23	69006234	60486-00002	H.P. hose	1	
24	69006261	60486-02000	Lift cylinder tee connector	1	

图21-6/Fig. 21-6

二级全自由门架管路选用表 (二联) /HYDRAULIC SYSTEM OPITIONAL PARTS (TWO WAY)

FD50-70T

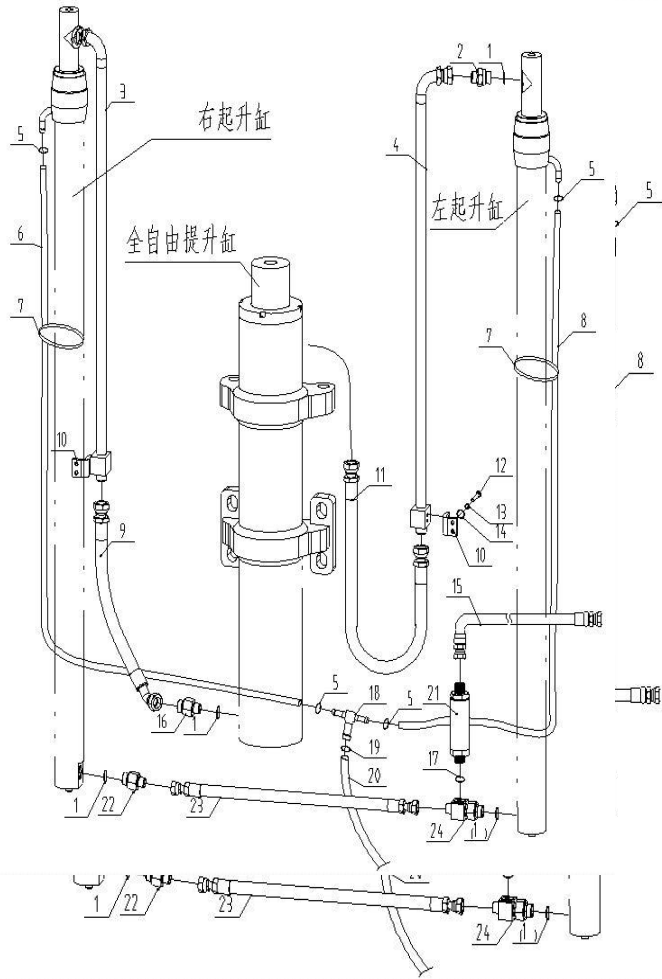
管路系统选用件-起升缸进油硬管、起升缸回油硬管(件3、件4)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-3		PART-4	备注 REMARK
	ID.	60487-01000 Pipe aas'y	ID.	
2500	69013064	60487-01000/2.5	69055528	
3000	69013058	60487-01001	69013047	
3300	69013059	60487-01002	69013048	
3500	69013060	60487-01003	69013049	
3750	69013061	60487-01004	69013050	
4000	69013062	60487-01005	69013051	
4250	69013063	60487-01006	69013052	
4500	69050787	60487-01007	69013053	
4750	69013065	60487-01008	69013054	
5000	69013066	60487-01009	69013055	
5500	69013067	60487-01010	69013056	
6000	69013068	60487-01011	69013057	

图21-6/ Fig. 21-6

二级全自由门架管路选用表 (二联) / HYDRAULIC SYSTEM OPTIONAL PARTS (TWO WAY)

FD50-70T

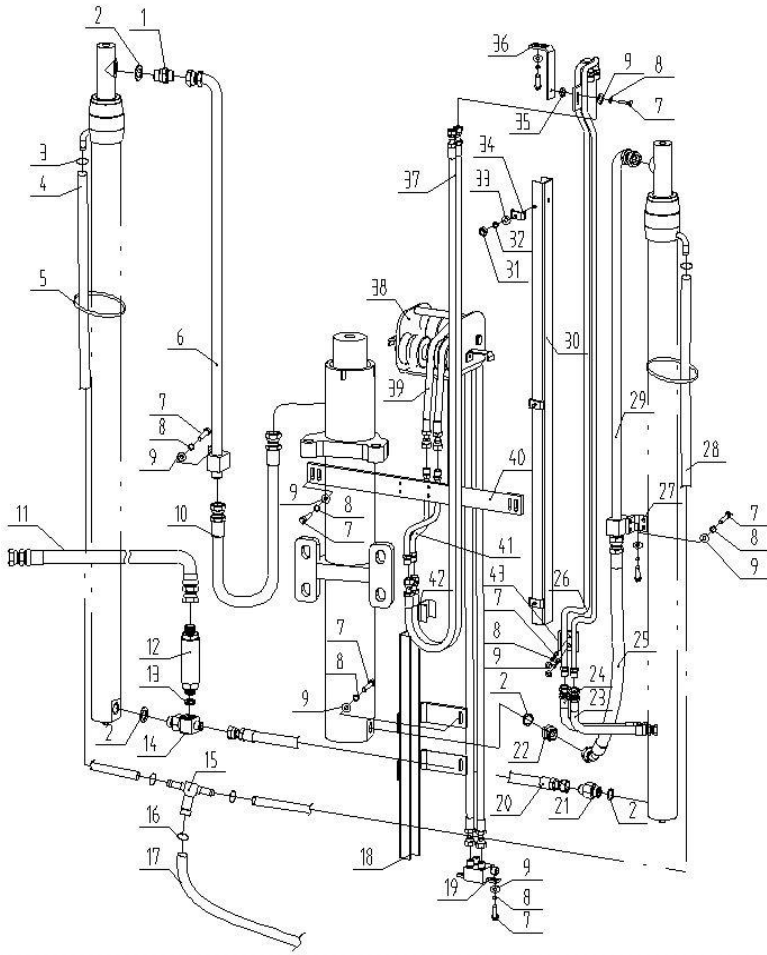
管路系统选用件-中缸回油胶管(件11)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-11		备注 REMARK
	ID.	60487-03000 Middle cylinder return oil	
2500	69033119	45487-03001	
3000	69013045	60487-03001	
3300	69013045	60487-03001	
3500	69013045	60487-03001	
3750	69013045	60487-03001	
4000	69013045	60487-03001	
4250	69013045	60487-03001	
4500	69013045	60487-03001	
4750	69013046	60487-03002	
5000	69013046	60487-03002	
5500	69013046	60487-03002	
6000	69013046	60487-03002	

图21-7/ Fig. 21-7

二级全自由门架管路系统(三联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (THREE WAY)

FD50-70T

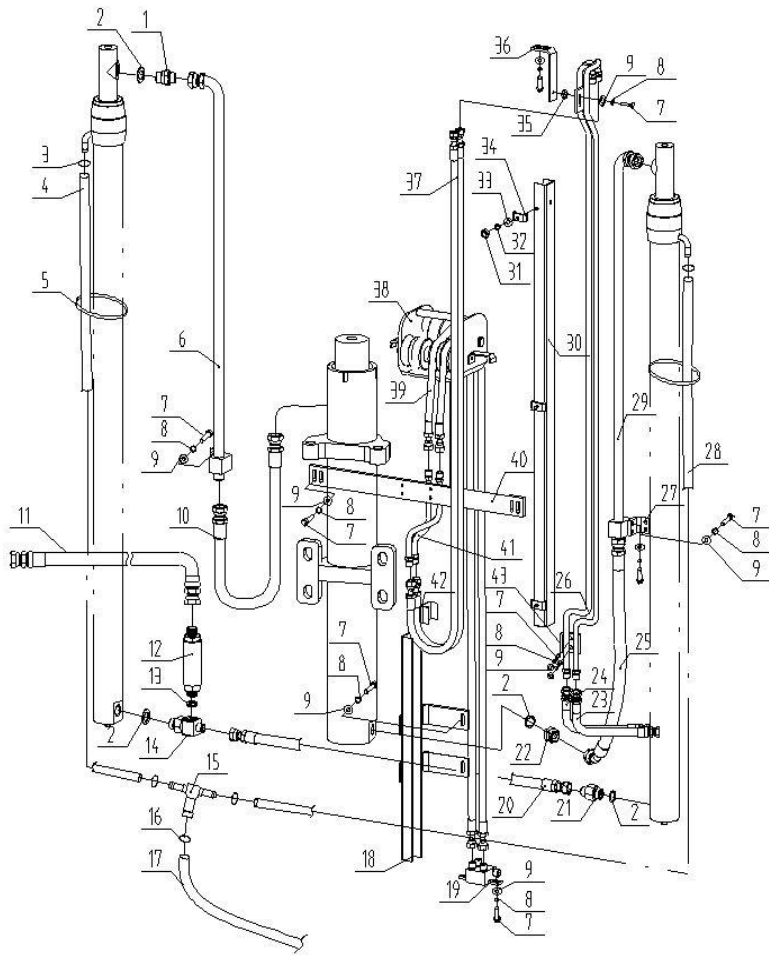


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69007312	60487-00004	Pipe connector	2	
2	69018910	GB/T1235-30*3.1	O-ring 30*3.1	3	
3	69036894	JB/T8870-16-25	HoopΦ16-25	4	
4	69106447	LS106447	Return oil hose II	1	
5	N/A	ST8x500	Cable tie	4	
6	N/A	60487-02000	Return oil pipe aas'y	1	AS NEEDED
7	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	24	
8	69000062	GB/T93-8	Washer 8	24	
9	69000259	GB/T97.1-8	Washer 8	24	
10	N/A	60487-03000	Middle cylinder return oil hose	1	AS NEEDED
11	69006233	60486-00001	Flow regulator H.P. hose	1	
12	69006296	60486-01000	Flow regulator	1	
13	69124132	GB1235-30*3.5-G	O-ring 30*3.5	5	
14	69006261	60486-02000	Lift cylinder tee connector	1	
15	69006149	60486-00004	Return oil tee connector	1	
16	69036894	JB/T8870-16-25	HoopΦ16-25	1	
17	69066786	M6047600028	Return oil hose	1	
18	N/A	60487S-06000	Guider II	1	AS NEEDED
19	69033227	60487S-09000	Cross connector I	1	
20	69006234	60486-00002	H.P. hose	1	
21	69006260	30388-00005	Lift cylinder connector	1	
22	69007312	60487-00004	Middle cylinder connector	1	
23	69006829	60486S-00002	Adjusting pipe H.P. hose I	1	
24	69006830	60486S-00003	Adjusting pipe H.P. hose II	1	
25	69013044	60487-00002	Middle cylinder H.P. hose	1	

图21-7/ Fig. 21-7

二级全自由门架管路系统(三联) /HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (THREE WAY)

FD50-70T

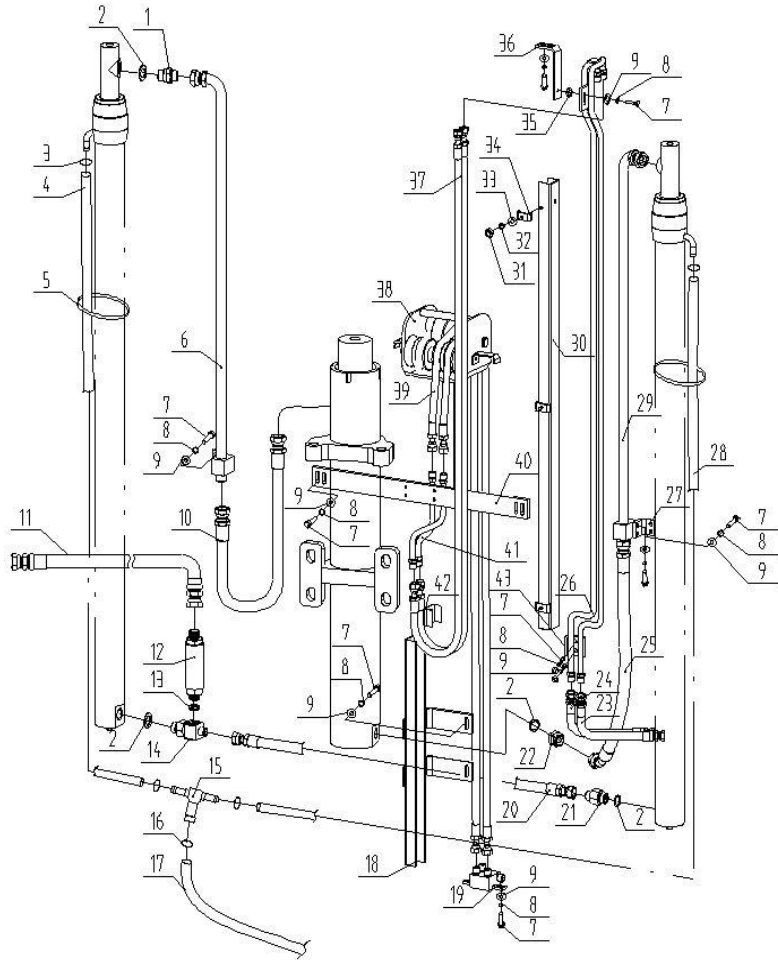


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	N/A	60487S-03000	Guider Pipe ass'y	1	
27	69013043	60487-00003	Pipe bracket	2	
28	69106447	LS106447	Return oil hose I	1	
29	N/A	60487-01000	Pipe aas'y	1	AS NEEDED
30	N/A	60487S-04000	Guider I	1	AS NEEDED
31	69000111	GB/T6170-M6-8J	Nut M6	3	
32	69000060	GB/T93-6	Washer 6	3	
33	69000258	GB/T97.1-6	Washer 6	3	
34	69016708	30387S-00004	Pipe clip II	3	
35	69000112	GB/T6170-M8-8J	Nut M8	1	
36	69016706	30387S-00003	Positioning plate	1	
37	N/A	60487S-01000	Guider H.P. hose	2	AS NEEDED
38	N/A	60487S-07000	Pulley ass'y	1	AS NEEDED
39	N/A	60487S-02000	H.P. hose	2	AS NEEDED
40	69033259	60487S-08000	Fixed plate	1	
41	69033260	60487S-05000	Connecting pipe I	1	
42	69016363	60487S-00001	Pipe clip	1	
43	69033261	60487S-00002	Plate	1	

图21-7/ Fig. 21-7

二级全自由门架管路选用表 (三联) / HYDRAULIC SYSTEM OPITONAL PARTS (THREE WAY)

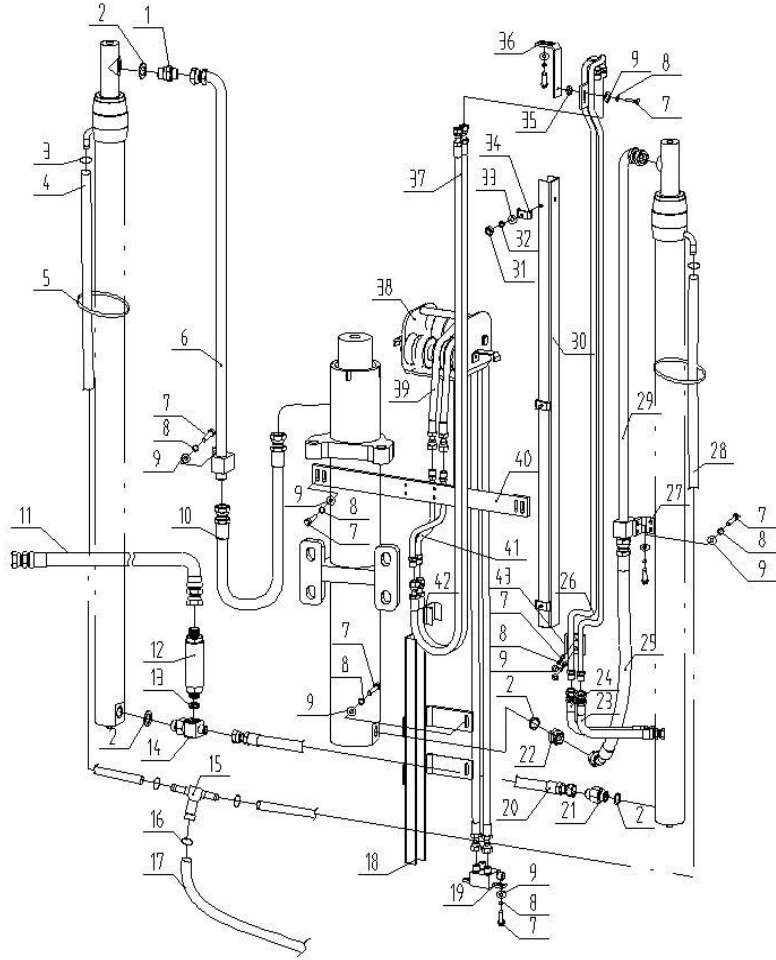
FD50-70T



管路系统选用件-导槽II、导槽硬管总成(件18、件26)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-18		PART-26	备注 REMARK
	ID.	60487S-06000 Guider II	ID.	
2500	69055552	60487S-06000/2.5	69055544	
3000	69033215	60487S-06001	69016366	
3300	69033222	60487S-06002	69033228	
3500	69033217	60487S-06003	69033229	
3750	69033218	60487S-06004	69033230	
4000	69033219	60487S-06005	69033231	
4250	69033220	60487S-06006	69033232	
4500	69050929	60487S-06007	69033233	
4750	69050934	60487S-06008	69033234	
5000	69050937	60487S-06009	69033235	
5500	69050938	60487S-06010	69033236	
6000	69050940	60487S-06011	69033237	

FD50-70T



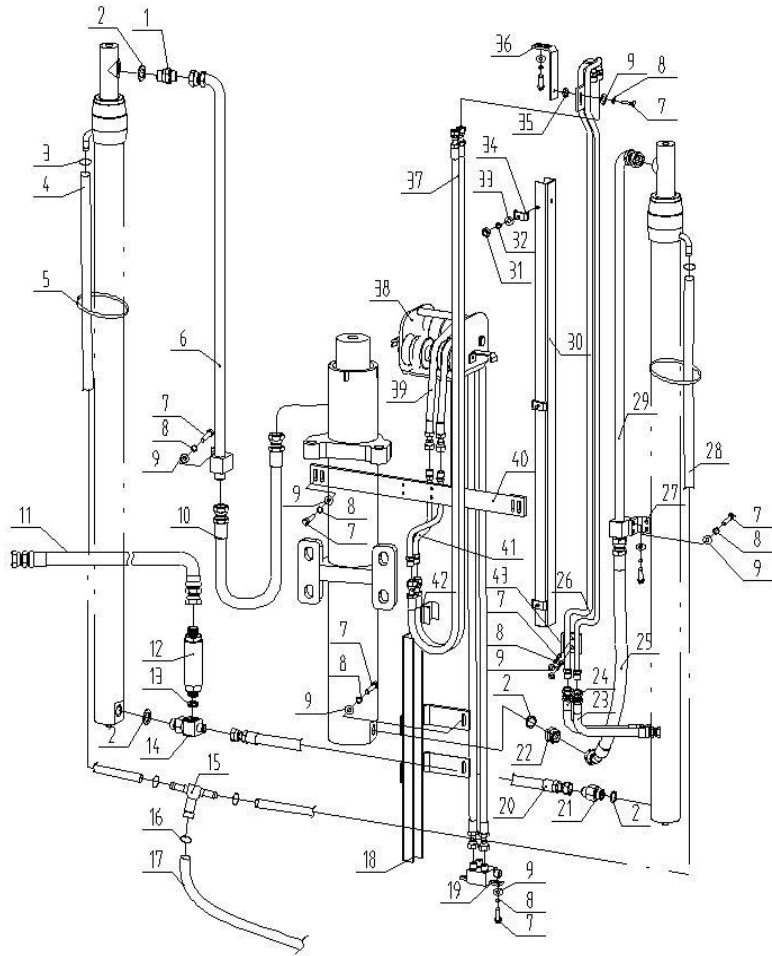
管路系统选用件-导槽 I (件30)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-30		备注 REMARK
	ID.	60487S-04000 Guider I	
2500	69055549	60487S-04000/2.5	
3000	69033238	60487S-04001	
3300	69033239	60487S-04002	
3500	69033240	60487S-04003	
3750	69033241	60487S-04004	
4000	69033242	60487S-04005	
4250	69033243	60487S-04006	
4500	69033244	60487S-04007	
4750	69033245	60487S-04008	
5000	69033247	60487S-04009	
5500	69033246	60487S-04010	
6000	69033248	60487S-04011	

图21-7/ Fig. 21-7

二级全自由门架管路选用表 (三联) / HYDRAULIC SYSTEM OPITONAL PARTS (THREE WAY)

FD50-70T



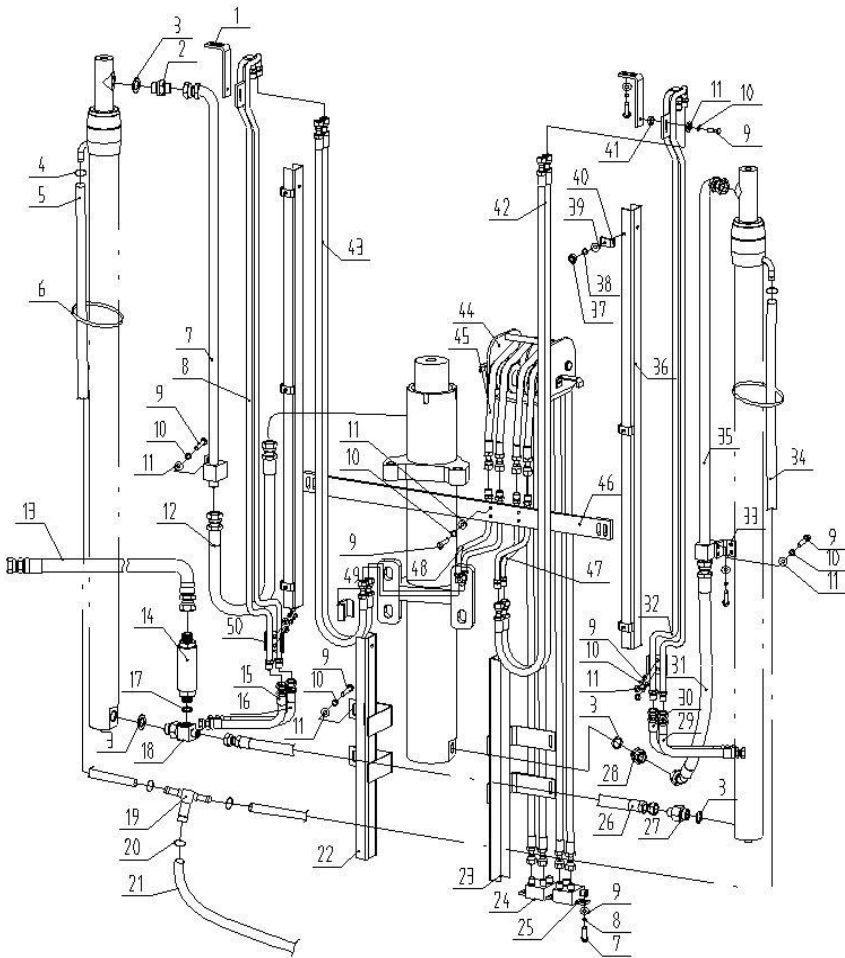
管路系统选用件-自由缸-硬管胶管、自由缸胶管 (件37、件39)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-37		PART-39	备注 REMARK
	ID.	60487S-01000 Guider H.P. hose	ID.	
2500	69019100	60487S-01000/2.5	69019100	
3000	69033249	60487S-01001	69033255	
3300	69024016	60487S-01002	69033256	
3500	69033250	60487S-01003	69033251	
3750	69033251	60487S-01004	69033252	
4000	69033251	60487S-01004	69033252	
4250	69033252	60487S-01005	69050903	
4500	69033253	60487S-01006	69019097	
4750	69019097	60487S-01007	69033254	
5000	69019097	60487S-01007	69033254	
5500	69033254	60487S-01008	69049633	
6000	69019017	60487S-01009	69050902	

图21-8/ Fig. 21-8

二级全自由门架管路系统(四联) /HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD50-70T

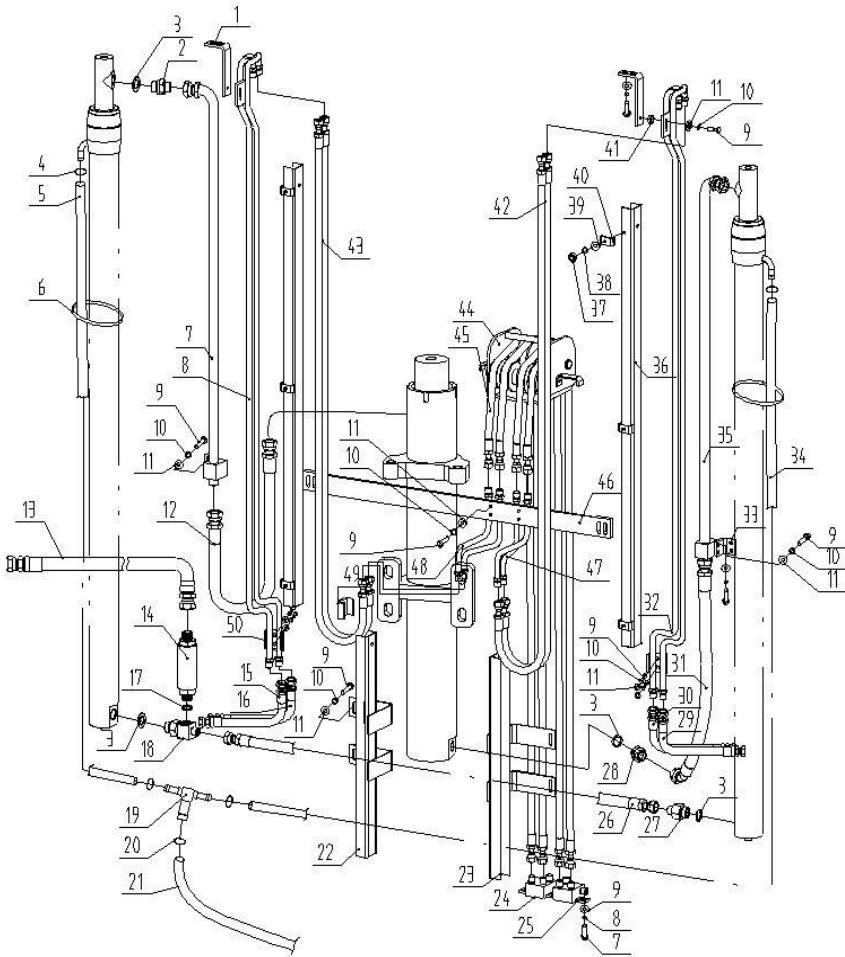


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69016706	30387S-00003	Positioning plate	2	
2	69007312	60487-00004	Lift cylinder pipe connector	2	
3	69018910	GB/T1235-30*3.1	O-ring 30*3.1	3	
4	69036894	JB/T8870-16-25	HoopΦ16-25	4	
5	69106447	LS106447	Return oil hose II	1	
6	N/A	ST8x500	Cable tie	4	
7	N/A	60487-02000	Return oil pipe ass'y	1	AS NEEDED
8	N/A	60487SS-01000	Guider Pipe ass'y	1	AS NEEDED
9	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	32	
10	69000062	GB/T93-8	Washer 8	32	
11	69000259	GB/T97.1-8	Washer 8	32	
12	N/A	60487-03000	Middle cylinder return oil hose	1	AS NEEDED
13	69006233	60486-00001	Flow regulator H.P. hose	1	
14	69006296	60486-01000	Flow regulator	1	
15	69009110	60486SS-00001	Adjusting pipe H.P. hose I	1	
16	69008900	60486SS-00002	Adjusting pipe H.P. hose II	1	
17	69124132	GB1235-30*3.5-G	O-ring 30*3.5	3	
18	69006261	60486-02000	Lift cylinder tee connector	1	
19	69006149	60486-00004	Return oil tee connector	1	
20	69036894	JB/T8870-16-25	HoopΦ16-25	1	
21	69066786	M6047600028	Return oil hose	1	
22	N/A	60487SS-02000	Guider II	1	AS NEEDED
23	N/A	60487S-06000	Guider II	1	AS NEEDED
24	69048630	60487SS-03000	Cross connector II	1	
25	69033227	60487S-09000	Cross connector I	1	

图21-8/ Fig. 21-8

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD50-70T

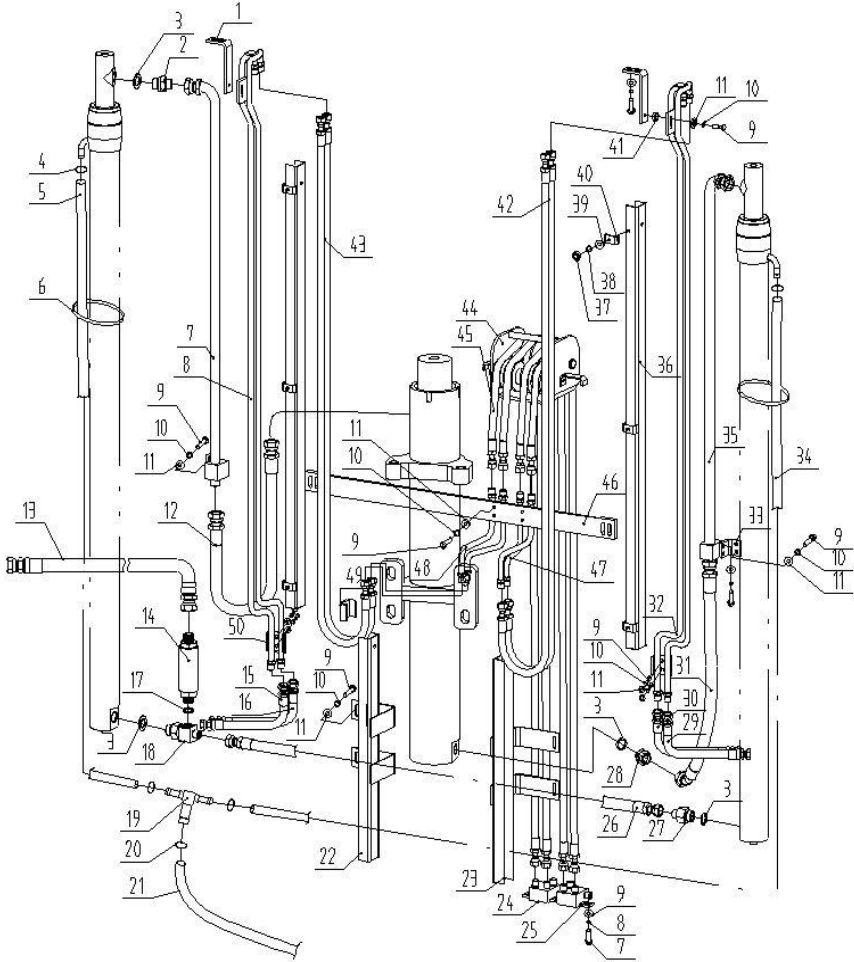


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69006234	60486-00002	H.P. hose	1	
27	69006260	30388-00005	Lift cylinder connector	1	
28	69007312	60487-00004	Middle cylinder connector	1	
29	69006829	60486S-00002	Adjusting pipe H.P. hose I	1	
30	69006830	60486S-00003	Adjusting pipe H.P. hose II	1	
31	69013044	60487-00002	Middle cylinder H.P. hose	1	
32	N/A	60487S-03000	Guider Pipe ass'y	1	AS NEEDED
33	69013043	60487-00003	Pipe bracket	2	
34	69106447	LS106447	Return oil hose I	1	
35	N/A	60487-01000	Pipe ass'y	1	AS NEEDED
36	N/A	60487S-04000	Guider I	1	AS NEEDED
37	69000112	GB/T6170-M8-8J	Nut M6	6	
38	69000060	GB/T93-6	Washer 6	6	
39	69000258	GB/T97.1-6	Washer 6	6	
40	69016708	30387S-00004	Pipe clip II	6	
41	69000112	GB/T6170-M8-8J	Nut M8	2	
42	N/A	60487S-01000	Guider H.P. hose	4	AS NEEDED
43	N/A	60487SS-04000	Guider I	1	AS NEEDED
44	N/A	60487S-07000	Pulley ass'y	1	AS NEEDED
45	N/A	60487S-02000	Middle cylinder H.P. hose	4	AS NEEDED
46	69033259	60487S-08000	Connecting pipefixed plate	1	
47	69033260	60487S-05000	Connecting pipe I	1	
48	69051253	60487SS-05000	Connecting pipe II	1	
49	69016363	60487S-00001	Pipe clip	2	
50	69033261	60487S-00002	Plate	2	

图21-8/ Fig. 21-8

二级全自由门架管路选用表 (四联) / HYDRAULIC SYSTEM OPTIONAL PARTS (FOUR WAY)

FD50-70T



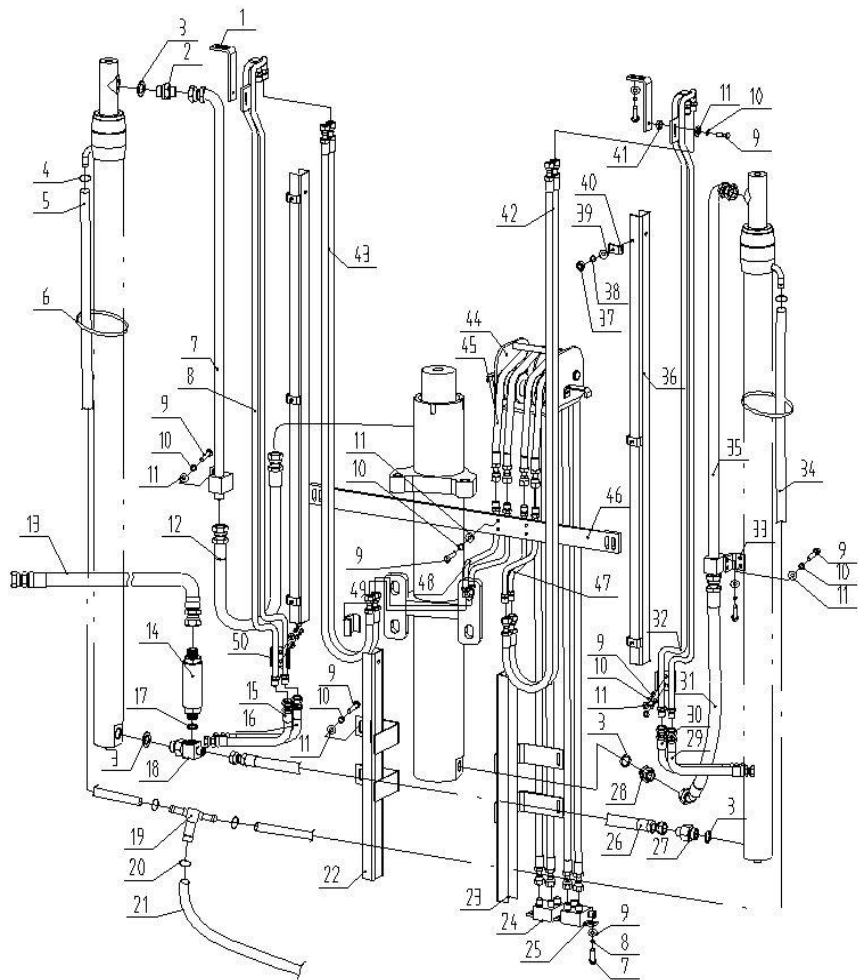
管路系统选用件-导槽硬管总成、导槽II (件8、件22)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-18		PART-22	备注 REMARK
	ID.	60487SS-01000 Guider Pipe ass'y	ID.	
3000	69033262	60487SS-01000/1	69033273	
3300	69033263	60487SS-01000/2	69033274	
3500	69033264	60487SS-01000/3	69033275	
3750	69033265	60487SS-01000/4	69033276	
4000	69033266	60487SS-01000/5	69033277	
4250	69033267	60487SS-01000/6	69033278	
4500	69033268	60487SS-01000/7	69051236	
4750	69033269	60487SS-01000/8	69051237	
5000	69033270	60487SS-01000/9	69051238	
5500	69033271	60487SS-01000/10	69051239	
6000	69033272	60487SS-01000/11	69051240	

图21-8/ Fig. 21-8

二级全自由门架管路选用表 (四联) / HYDRAULIC SYSTEM OPTIONAL PARTS (FOUR WAY)

FD50-70T



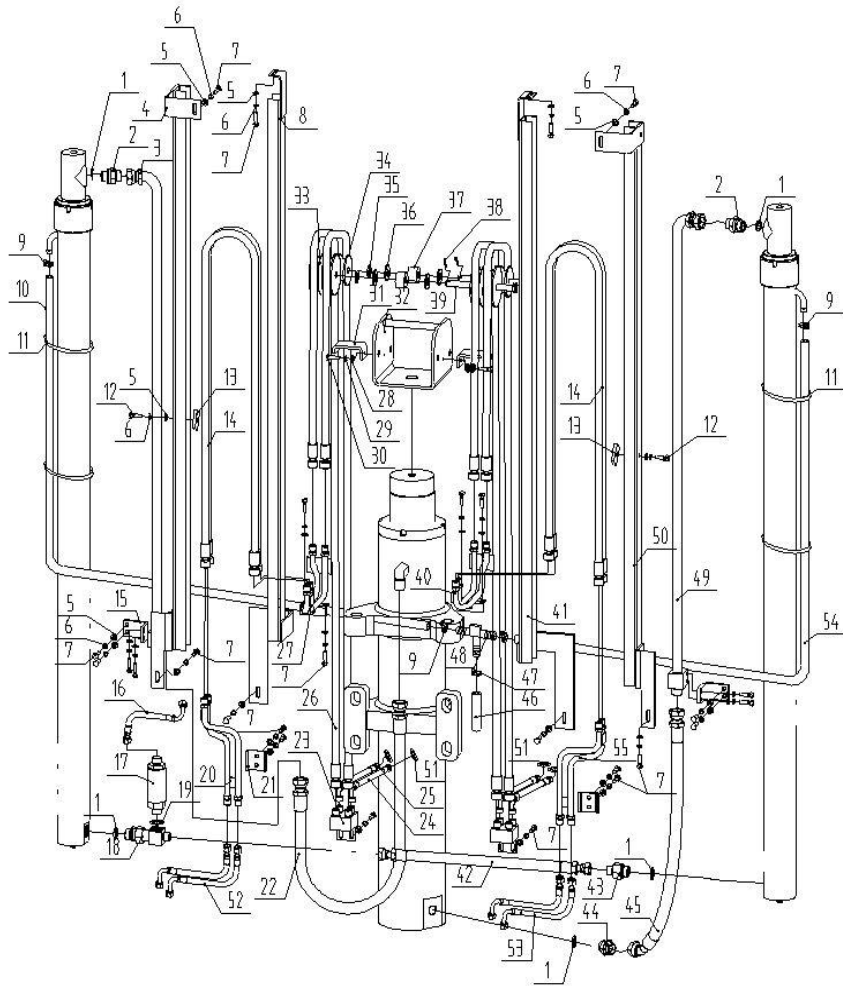
管路系统选用件-导槽 I (件43)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-43		备注 REMARK
	ID.	60487SS-04000 Guider I	
3000	69033279	60487SS-04001	
3300	69033280	60487SS-04002	
3500	69033281	60487SS-04003	
3750	69033288	60487SS-04004	
4000	69033289	60487SS-04005	
4250	69033291	60487SS-04006	
4500	69033290	60487SS-04007	
4750	69033292	60487SS-04008	
5000	69033293	60487SS-04009	
5500	69033294	60487SS-04010	
6000	69033295	60487SS-04011	

图21-9/ Fig. 21-9

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD80-100T

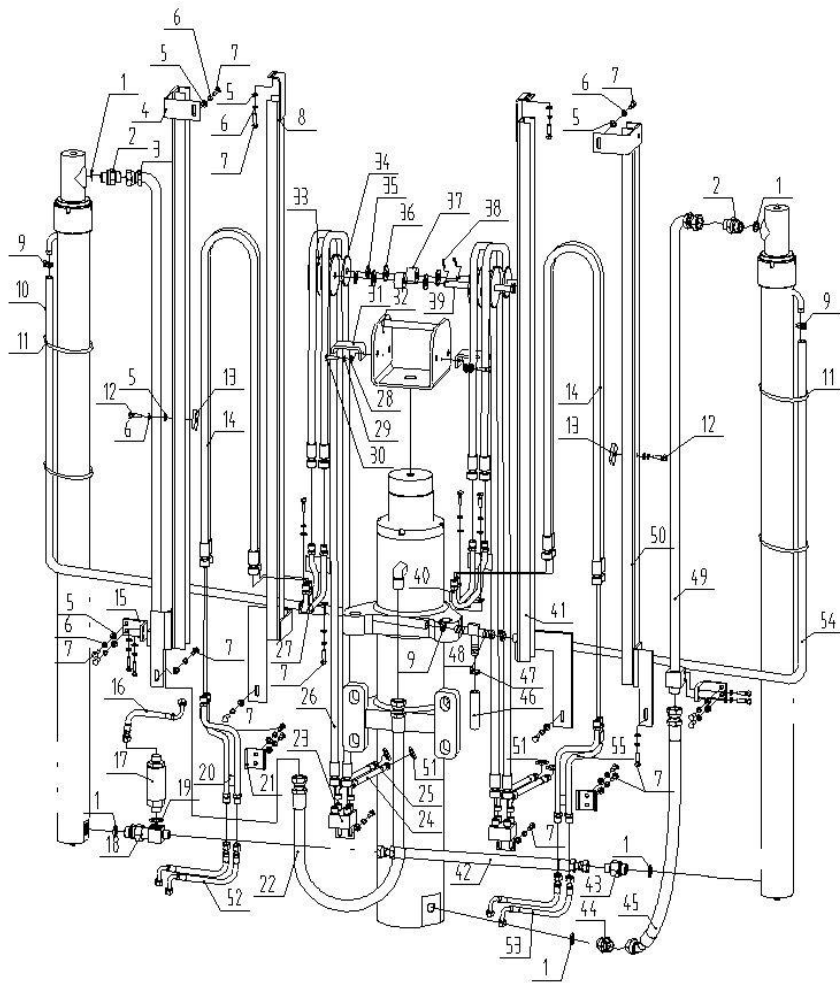


序号	物料号	代号	名称	数量	备注
1 No.	ID.	Part No.	Description	Q'ty	Remark
1	69124133	GB1235-35*3.5-G	O-ring 35*3.5	4	
2	69007312	60487-00004	Pipe connector	2	
3	N/A	60487-02000	Return oil pipe ass'y	1	AS NEEDED
4		10A87SS-05000	Outer mast ass'yGuider II	1	
5	69000259	GB/T97.1-8	Washer 8	30	
6	69000062	GB/T93-8	Washer 8	30	
7	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	28	
8		10A87SS-06000	Inner mast ass'yGuider II	1	
9	69036894	JB/T8870-16-25	HoopΦ16-25	4	
10	69106447	LS106447	Return oil hose II	1	
11	N/A	ST8x500	Cable tie	4	
12	69000190	GB/T5783-M6*16-8.8J	Bolt M8*16	2	
13	69056648	30387S-07001	Plate	2	
14	N/A	10A87SS-02000	Pulley H.P. hose I	4	AS NEEDED
15	69015162	10A87SS-00003	Pipe bracket	2	
16	69011675	10A86SS-00004	Flow regulator H.P. hose	1	
17	69011695	10A86SS-03000	Flow regulator	1	
18	69011672	10A86SS-06000	Lift cylinder tee connector	1	
19	69124135	GB1235-35*3.1-G	O-ring 35*3.1	1	
20	69019126	10A87SS-12000	Pipe ass'y	1	
21	69033261	60487S-00002	Plate	2	
22	N/A	60487-03000	Middle cylinder return oil hose	1	AS NEEDED
23	69024468	10A87SS-13000	Cross connector ass'y	2	
24	69024469	10A87SS-00004	Positioning H.P. hose I	2	
25	69024470	10A87SS-00005	Positioning H.P. hose II	2	

图21-9/ Fig. 21-9

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD80-100T

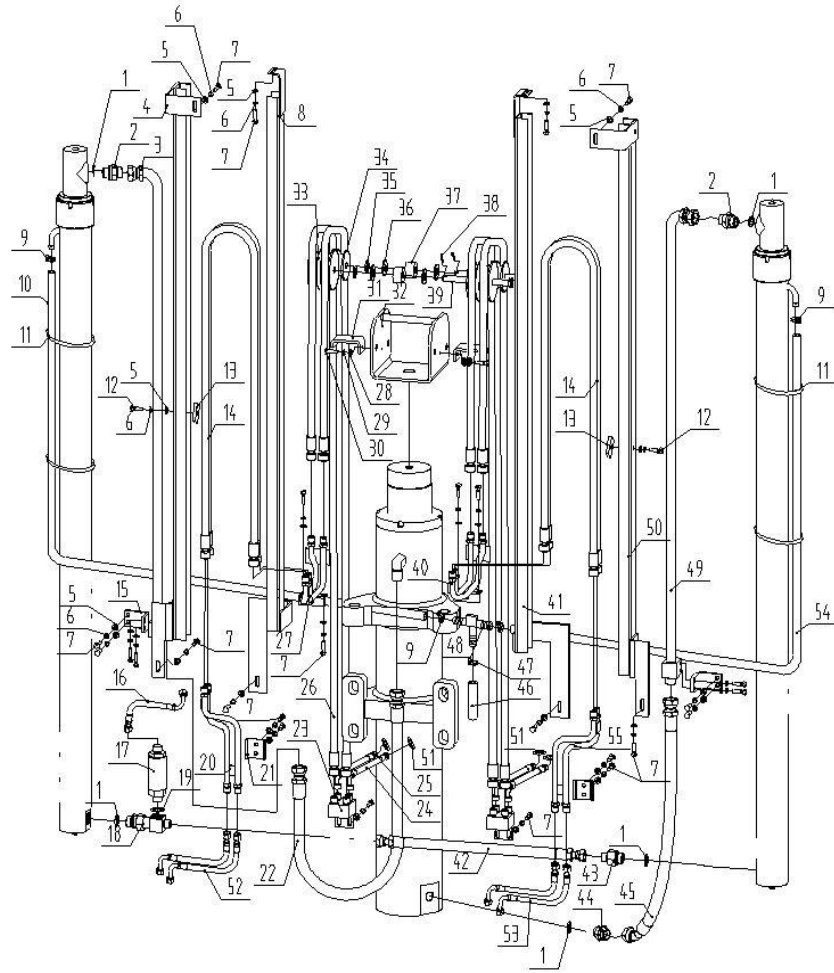


序号	物料号	代号	名称	数量	备注
n No.	ID.	Part No.	Description	Q'ty	Remark
26		10A87SS-09000	Pulley H.P. hose II	4	
27	69019119	10A87SS-11000	Connecting pipe II	1	
28	69000258	GB/T97.1-6	Washer 6	2	
29	69000060	GB/T93-6	Washer 6	2	
30	N/A	GB/T5783-2000	Bolt M6x8	2	
31	69025233	10A87SS-08004	Hose hoop	2	
32	69025056	10A87SS-08100	Bracket	1	
33	69048622	10A87SS-08002	Pulley ass'y	2	
34	69048626	10A87SS-08003	Small pulley ass'y	2	
35	69000253	GB/T97.1-16	Washer 16	2	
36		60487S-07101	Bushing L=3	4	
37	69048624	60487S-07102	Bushing L=24	2	
38	69009082	GB/T91-3.2*25	Cotter pin 3.2*25	2	
39	69025057	10A87SS-08001	Shaft	2	
40	69070199	10A87SS-10000	Connecting pipe I	1	
41		10A87SS-03000	Inner mast ass'y/Guider I	5	
42	69019128	10A87SS-00001	H.P. hose	1	
43	69011671	10A86SS-00010	Lift cylinder connector	1	
44		45487S-01000	Pipe ass'y	1	
45	69007312	60487-00004	Middle cylinder connector	1	
46	69015161	10A87SS-00002	Middle cylinder H.P. hose	1	
47	69022337	JB/T8870-20-32	HoopΦ20-32	1	
48	69006149	60486-00004	Return oil tee connector	1	
49	N/A	60487-01000	Pipe ass'y	1	AS NEEDED
50		10A87SS-04000	Outer mast ass'y/Guider I	1	

图21-9/ Fig. 21-9

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD80-100T

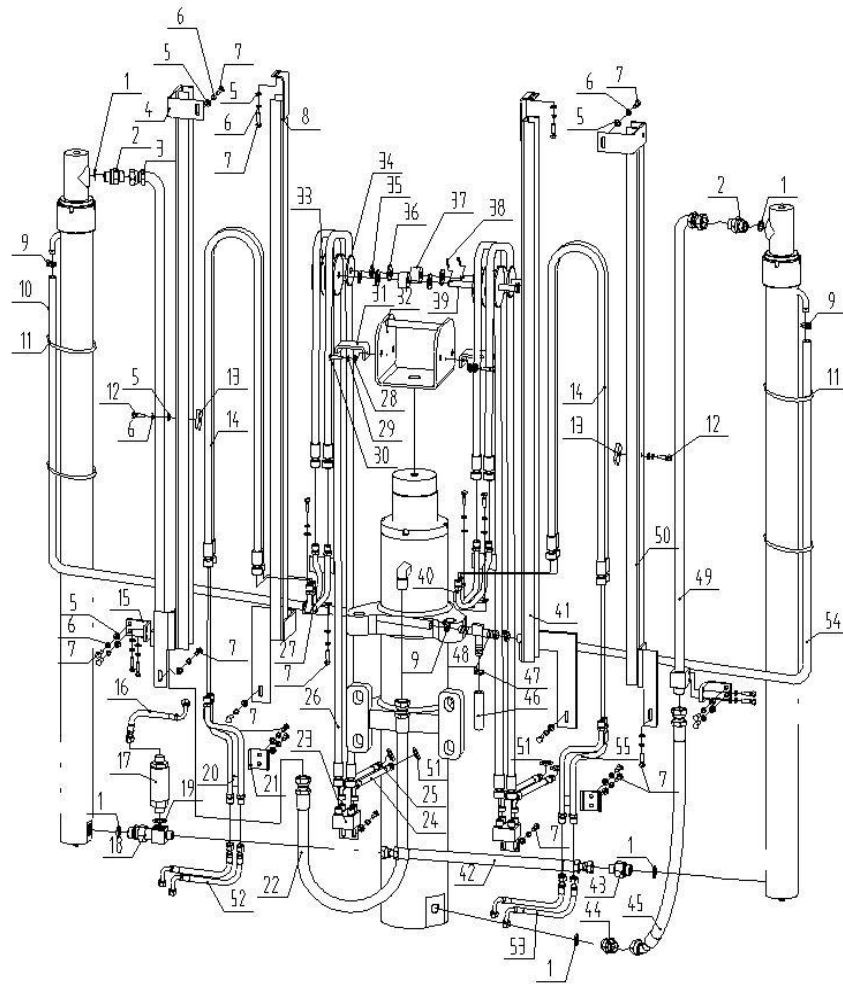


序号	物料号	代号	名称	数量	备注
m No.	ID.	Part No.	Description	Q'ty	Remark
51	69024499	GB3452.1-8*2.65	O-ring 8x2.65	4	
52	69008758	60488S-00004	Adjusting pipe H.P. hose	2	
53	69008900	60486SS-00002	Adjusting pipe H.P. hose II	2	
54	69106447	LS106447	Return oil hose I	1	
55	69070174	10A87SS-14000	Pipe ass'y II	1	

图21-9/ Fig. 21-9

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD80-100T

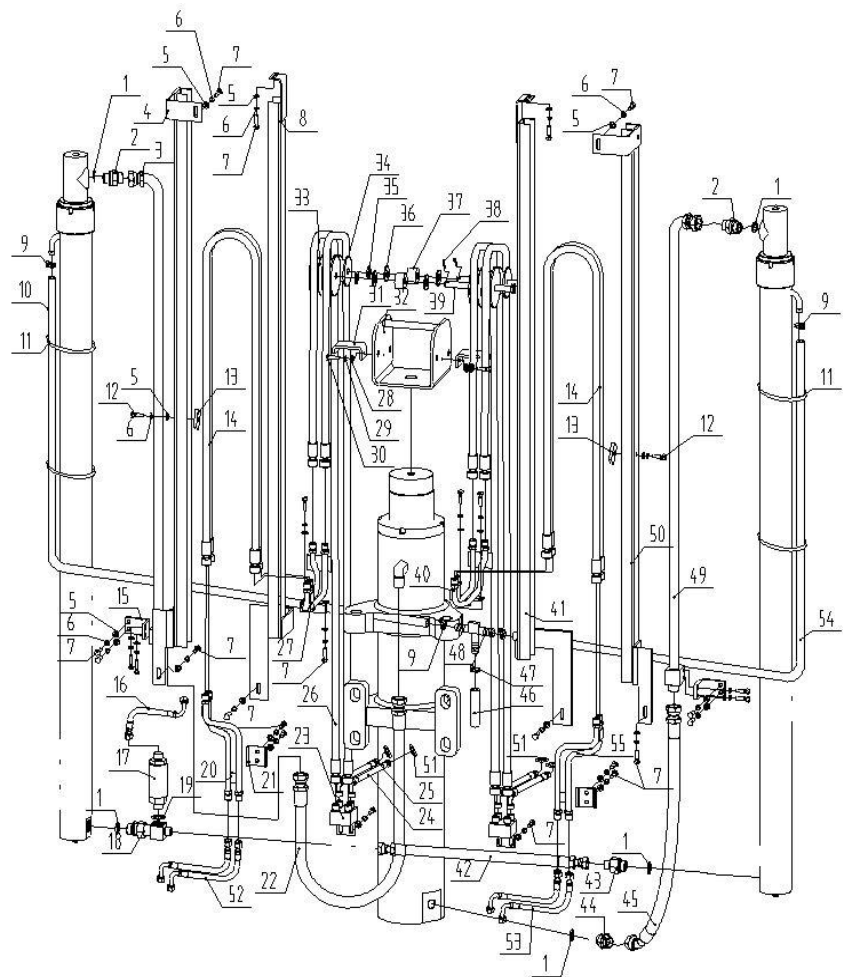
管路系统选用件-起升缸回油硬管、起升缸进油硬管(件3、件49)
Sway hose Optional Parts

高度 TING IGHT	PART-3		PART-49	备注 REMARK
	ID.	60487-02000 Return pipe as's'y	ID.	
500	69055528	60487-02000/2.5	69013064	
700	69013047	60487-02001	69013058	
800	69013048	60487-02002	69013059	
500	69013049	60487-02003	69013060	
750	69013050	60487-02004	69013061	
700	69013051	60487-02005	69013062	
250	69013052	60487-02006	69013063	
500	69013053	60487-02007	69050787	
750	69013054	60487-02008	69013065	
700	69013055	60487-02009	69013066	
500	69013056	60487-02010	69013067	
700	69013057	60487-02011	69013068	

图21-9/ Fig. 21-9

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD80-100T



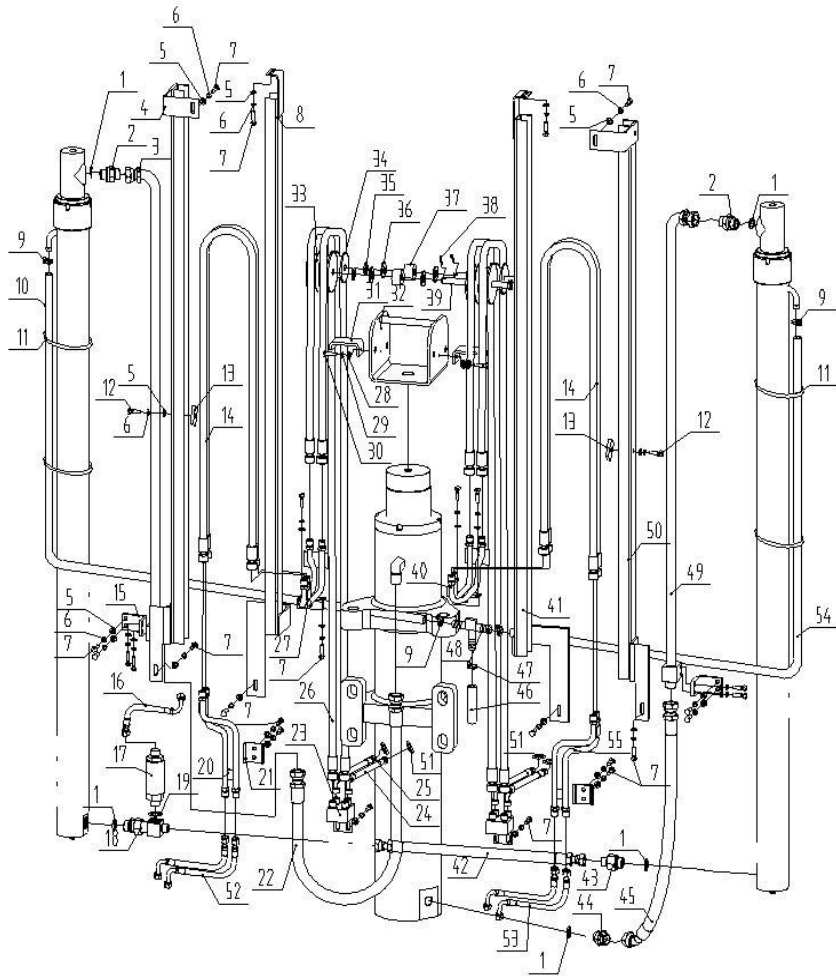
管路系统选用件-滑轮胶管 I、滑轮胶管 II (件14、件26)
Sway hose Optional Parts

升高度 FTING HEIGHT	PART-14		PART-26	备注 REMARK
	ID.	10A87SS-02000 Return pipe as'y	ID.	
500	-	-	-	
1000	69019097	60487S-01007	69019097	
1300	69019098	10A87SS-02001	69033254	
1500	69049633	60487S-02004	69019109	
1750	69019017	60487S-01009	69019110	
1000	69019101	10A87SS-02002	69006749	
1250	69019018	70486S-01001	69019112	
1500	69019103	10A87SS-02003	69019113	
1750	69011679	10A76-00022	69019114	
1000	69011680	10A76-00023	69019115	
1500	69015464	10A86SS-01003	69015464	
1000	69015465	10A86SS-01004	69015465	

图21-9/ Fig. 21-9

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD80-100T



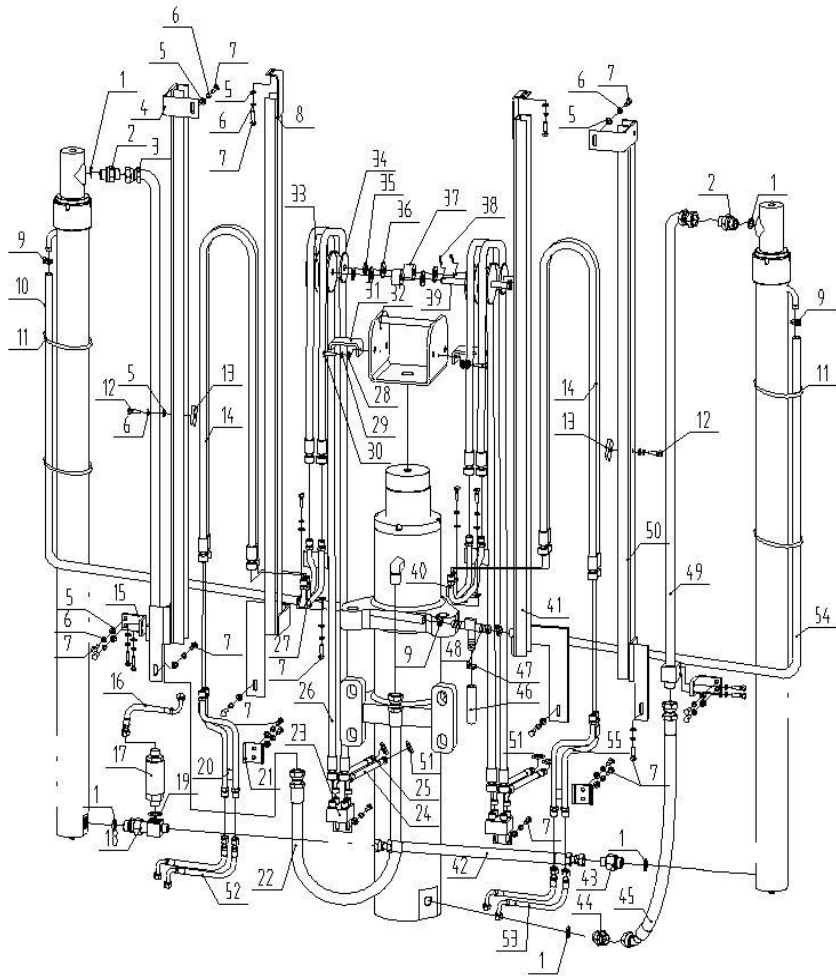
管路系统选用件-外门架导槽 II、外门架导槽 I (件4、件50)
Sway hose Optional Parts

件高度 FITTING HEIGHT	PART-4		PART-50	备注 REMARK
	ID.	10A87SS-05000 Return pipe masts'y	ID.	
1500	-	-	-	
1000	69024506	10A87SS-05001	69019074	
1300	69024507	10A87SS-05002	69019075	
1500	69024508	10A87SS-05003	69019076	
1750	69024509	10A87SS-05004	69019077	
1000	69024510	10A87SS-05005	69019078	
1250	69024511	10A87SS-05006	69019079	
1500	69024512	10A87SS-05007	69019080	
1750	69024513	10A87SS-05008	69019081	
1000	69024514	10A87SS-05009	69019082	
1500	69024515	10A87SS-05010	69019083	
1000	69024516	10A87SS-05011	69019084	

图21-9/ Fig. 21-9

二级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 2-STAGE MAST (FOUR WAY)

FD80-100T



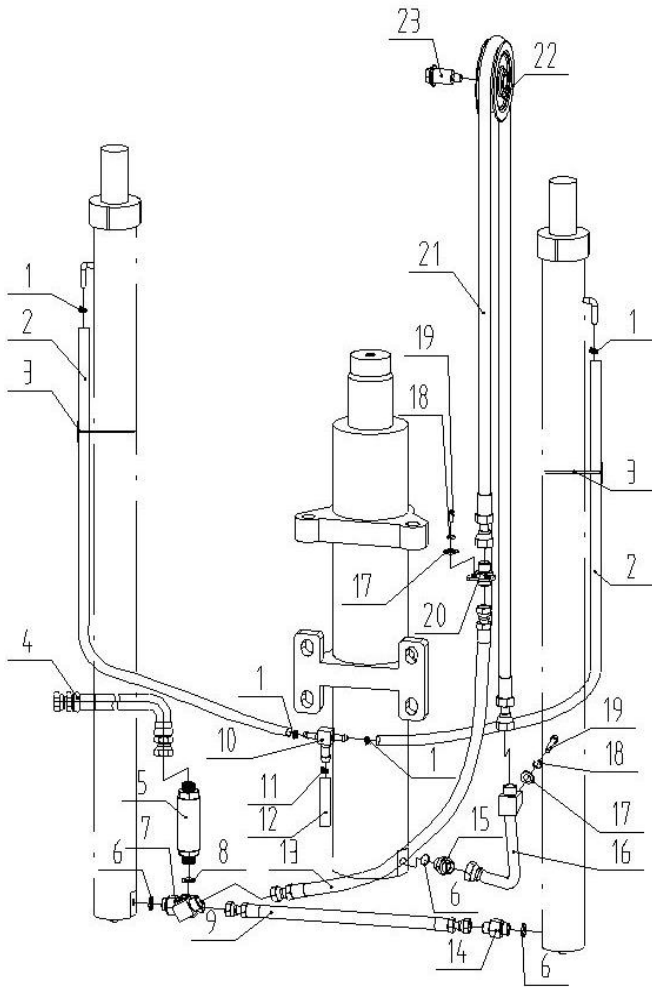
管路系统选用件-内门架导槽II、内门架导槽I (件8、件41)
Sway hose Optional Parts

升高高度 LIFTING HEIGHT	PART-8		PART-41	备注 REMARK
	ID.	10A87SS-06000 Return pipe masts'y	ID.	
2500	-	-	-	
3000	69019086	10A87SS-06001	69019052	
3300	69019087	10A87SS-06002	69019053	
3500	69019088	10A87SS-06003	69019054	
3750	69019089	10A87SS-06004	69019055	
4000	69019090	10A87SS-06005	69019056	
4250	69019091	10A87SS-06006	69019057	
4500	69019092	10A87SS-06007	69019058	
4750	69019093	10A87SS-06008	69019059	
5000	69019096	10A87SS-06009	69019060	
5500	69019094	10A87SS-06010	69019061	
6000	69019095	10A87SS-06011	69019062	

图21-10/ Fig. 21-10

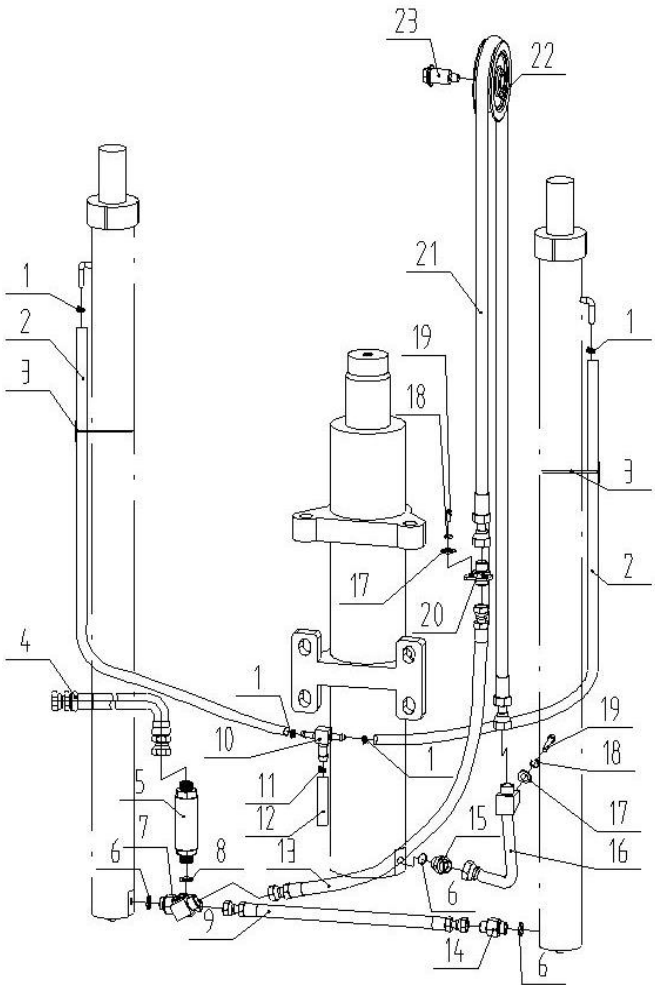
三级全自由门架管路系统(二联) / HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (TWO WAY)

FD50-70T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69036894	JB/T8870-16-25	Hoop Φ 16-25	4	
2	69067842	60488-10000	Tilt return oil hose	2	
3	N/A	ST8x350	Cable tie	4	AS NEEDED
4	69006233	60486-00001	Speed limiting valve hose	1	
5	69006296	60486-01000	Speed limiting valve	1	
6	69124132	GB1235-30*3.5-G	O-ring 30*3.5	3	
7	69007310	60488-04000	Four-way assembly	1	
8	69018910	GB/T1235-30*3.1	O-ring 30*3.1	1	
9	69006234	60486-00002	Tilt cylinder connect hose	1	
10	69006149	60486-00004	Tilt return oil three-way	1	
11	69022337	JB/T8870-20-32	Hoop Φ 20-32	1	
12	69066786	M6047600028	Tilt return oil hose	1	
13	69007320	60488-00001	Inlet oil hose	1	
14	69006260	30388-00005	Tilt cylinder connector	1	
15	69007312	60487-00004	Free cylinder inlet oil connector	1	
16	69007316	60488-05000	Switching harb hose II	1	
17	69000250	GB/T97.1-10	Washer 10	3	
18	69000053	GB/T93-10	Washer 10	3	
19	69000123	GB/T5783-M10*20-8.8J	Bolt M10*20	3	
20	69007311	60488-06000	Inlet oil connector	1	
21		60488-07000	Pulley hose II	1	
22	69007403	60488-00002	Pulley	1	
23	69007405	60488-00003	Step bolt	1	

FD50-70T



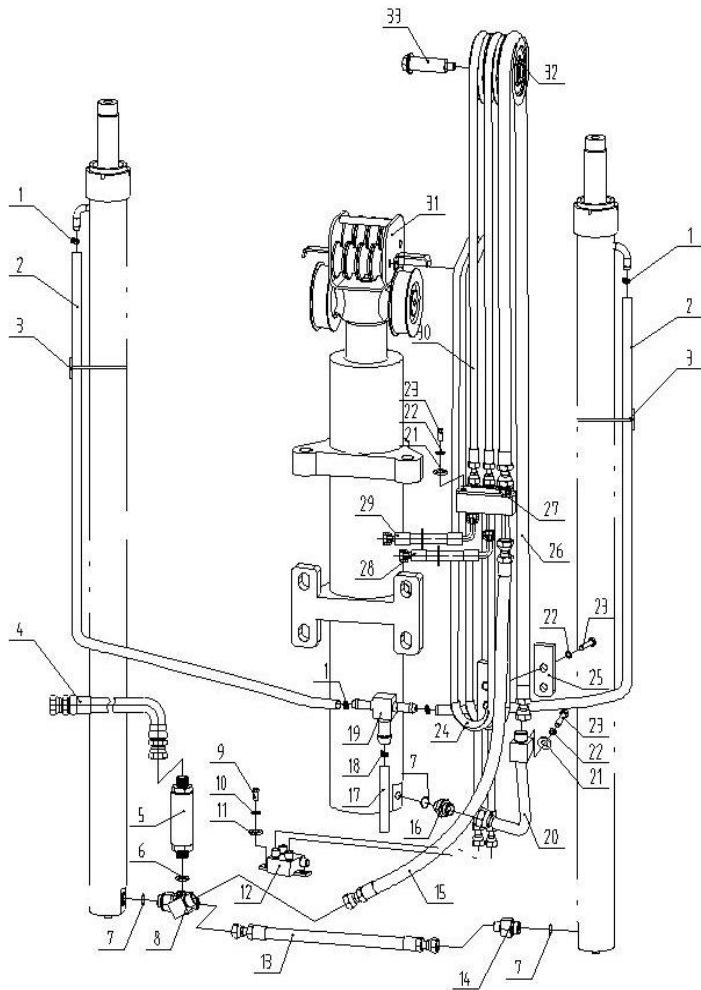
管路系统选用件-滑轮胶管 II (件21)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-21		备注 REMARK
	ID.	60488-07000 Pipe aas'y	
4000	69036624	60488-07001	
4350	69008585	60488-07002	
4500	69007330	60488-07003	
4800	69007337	60488-07004	
5000	69008027	60488-07005	
5400	69021830	60488-07006	
6000	69008771	60488-07007	
6500	69041236	60488-07008	

图21-11/ Fig. 21-11

三级全自由门架管路系统(三联) / HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (THREE WAY)

FD50-70T

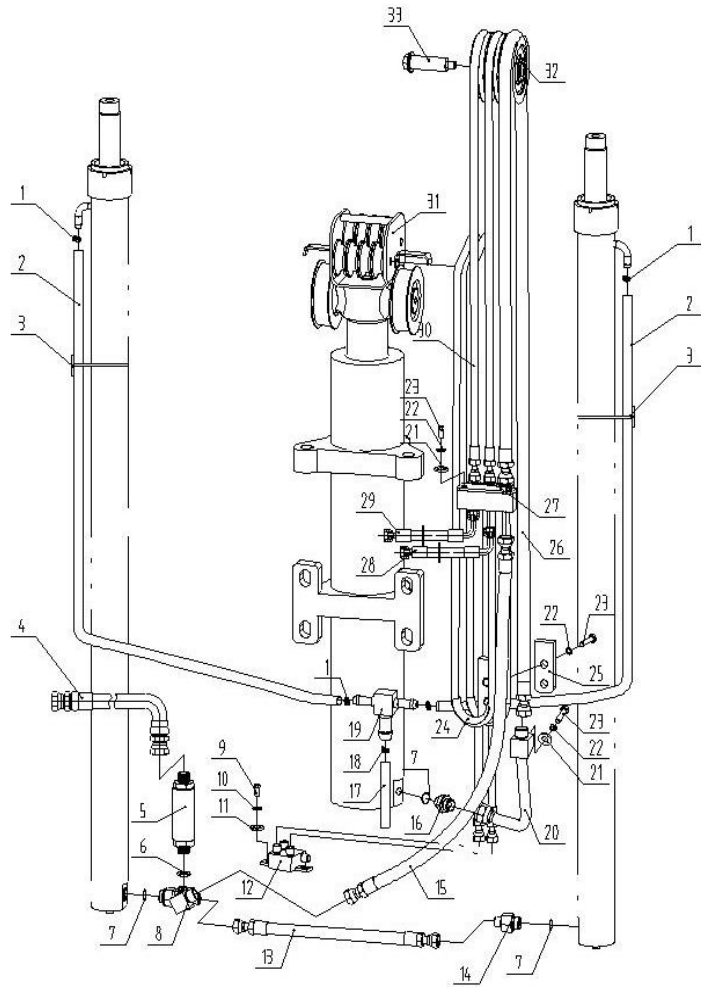


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69036894	JB/T8870-16-25	Hoop Φ16-25	4	
2	69067842	60488-10000	Tilt return oil hose	2	
3	N/A	ST8x350	Cable tie	4	AS NEEDED
4	69006233	60486-00001	Speed limiting valve hose	1	
5	69006296	60486-01000	Speed limiting valve	1	
6	69018910	GB/T1235-30*3.1	O-ring 30*3.1	1	
7	69124132	GB1235-30*3.5-G	O-ring 30*3.5	3	
8	69007310	60488-04000	Four-way assembly	1	
9	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	2	
10	69000062	GB/T93-8	Washer 8	2	
11	69000259	GB/T97.1-8	Washer 8	2	
12	69033227	60487S-09000	Four-way I	1	
13	69006234	60486-00002	Tilt cylinder connect hose	1	
14	69006260	30388-00005	Tilt cylinder connector	1	
15	69007320	60488-00001	Inlet oil hose	1	
16	69007312	60487-00004	Free cylinder inlet oil connector	1	
17	69066786	M6047600028	Tilt return oil hose	1	
18	69022337	JB/T8870-20-32	Hoop Φ20-32	1	
19	69006149	60486-00004	Tilt return oil three-way	1	
20	69007316	60488-05000	switching harb hose II	1	
21	69000250	GB/T97.1-10	Washer 10	3	
22	69000053	GB/T93-10	Washer 10	5	
23	69000123	GB/T5783-M10*20-8.8J	Bolt M10*20	5	
24	69033302	60488SS-04000	Guide barrel assembly II	1	
25	69012504	45488S-00004	Plate(RIGHT)	1	

图21-11/ Fig. 21-11

三级全自由门架管路系统(三联) /HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (THREE WAY)

FD50-70T

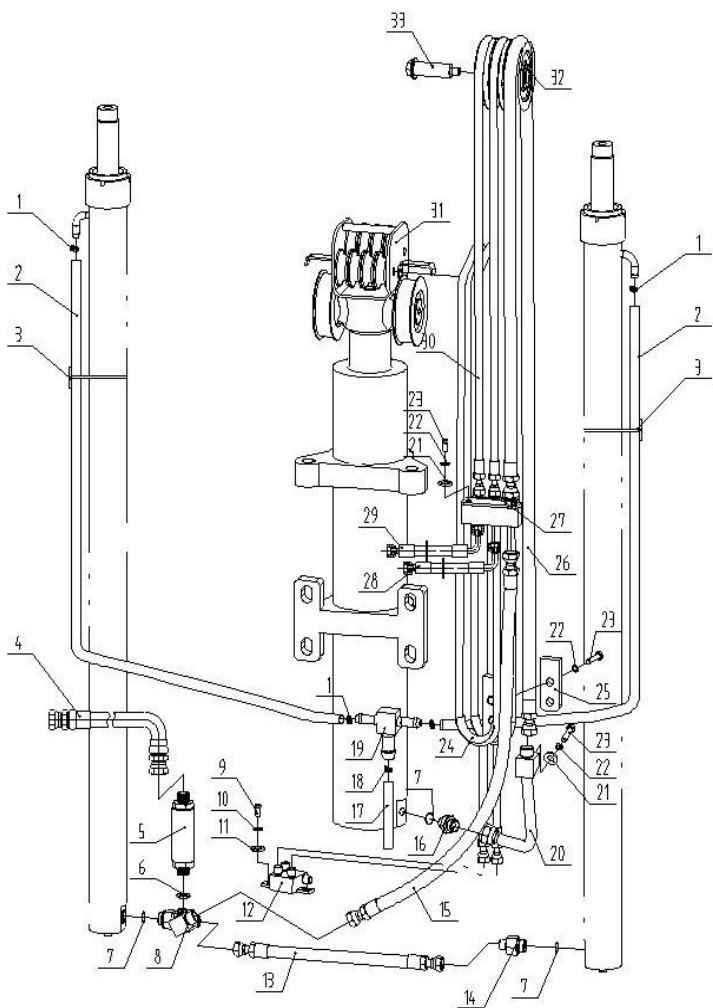


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26		60488-07000	Pulley hose II	1	
27	69010201	60488SS-05000	Inlet oil switching connector	1	
28	69008758	60488S-00004	valve-inlet oil hose	2	
29	69009110	60486SS-00001	valve-adjusting hard hose I	1	
30		60488S-05000	Pulley hose	2	
31	N/A	60488SS-06000	Pulley assembly	1	AS NEEDED
32	69010372	60488SS-00004	Pulley	2	
33	69010309	60488SS-00003	Step bolt	2	

图21-11/ Fig. 21-11

三级全自由门架管路系统(三联) / HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (THREE WAY)

FD50-70T



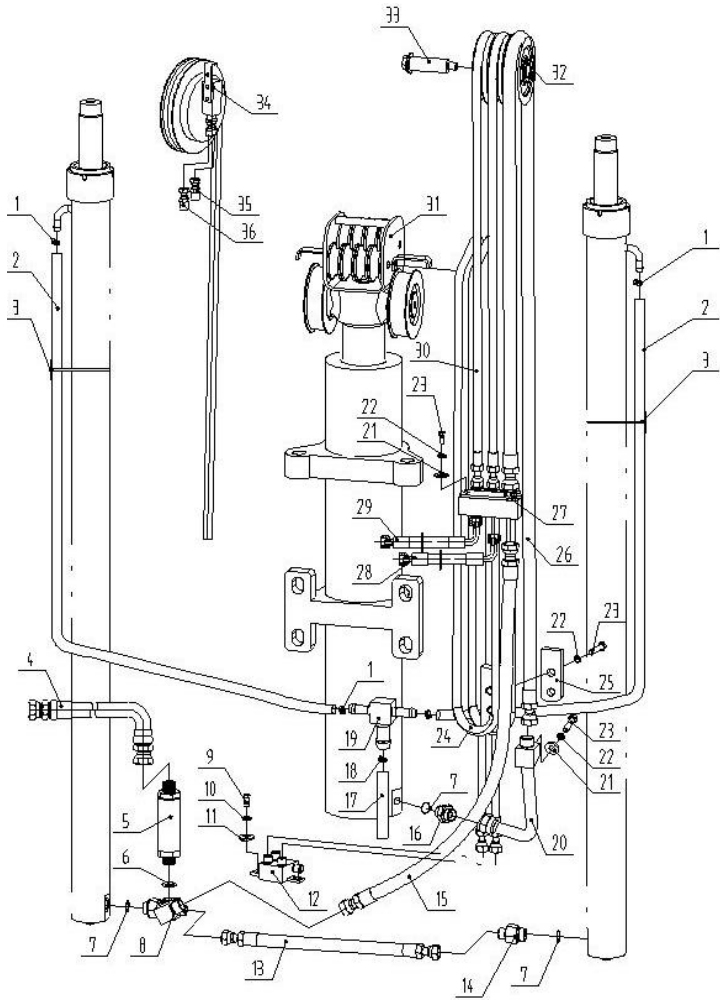
管路系统选用件-滑轮胶管(件30)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-30		备注 REMARK
	ID.	60488S-05000 Return pipe as's'y	
4000	69033297	60488S-05001	
4350	69033298	60488S-05002	
4500	69018165	60486S-01014	
4800	69018180	70486S-01014	
5000	69033299	60488S-05003	
5400	69033300	60488S-05004	
6000	69009303	60488S-05005	
6500	69041242	60488S-05006	

图21-12/ Fig. 21-12

三级全自由门架管路系统(四联) /HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (FOUR WAY)

FD50-70T

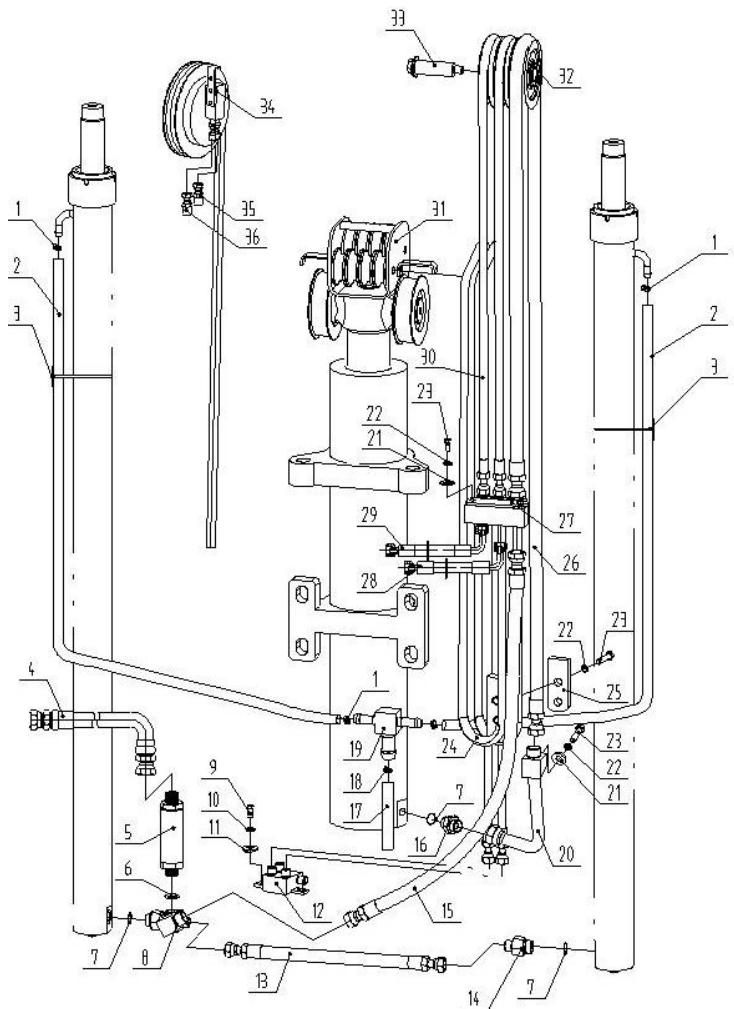


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69036894	JB/T8870-16-25	Hoop Φ 16-25	4	
2	69067842	60488-10000	Tilt return oil hose	2	
3	N/A	ST8x350	Cable tie	4	
4	69006233	60486-00001	Speed limiting valve hose	1	
5	69006296	60486-01000	Speed limiting valve	1	
6	69018910	GB/T1235-30*3.1	O-ring 30*3.1	1	
7	69124132	GB1235-30*3.5-G	O-ring 30*3.5	3	
8	69007310	60488-04000	Four-way assembly	1	
9	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	2	
10	69000062	GB/T93-8	Washer 8	2	
11	69000259	GB/T97.1-8	Washer 8	2	
12	69033227	60487S-09000	Four-way I	1	
13	69006234	60486-00002	Tilt cylinder connect hose	1	
14	69006260	30388-00005	Tilt cylinder connector	1	
15	69007320	60488-00001	Inlet oil hose	1	
16	69007312	60487-00004	Free cylinder inlet oil connector	1	
17	69066786	M6047600028	Tilt return oil hose	1	
18	69022337	JB/T8870-20-32	Hoop Φ 20-32	1	
19	69006149	60486-00004	Tilt return oil three-way	1	
20	69007316	60488-05000	Switching harb hose II	1	
21	69000250	GB/T97.1-10	Washer 10	3	
22	69000053	GB/T93-10	Washer 10	5	
23	69000123	GB/T5783-M10*20-8.8J	Bolt M10*20	5	
24	69033302	60488SS-04000	Guide barrel assembly II	1	
25	69012504	45488S-00004	Plate(RIGHT)	1	

图21-12/ Fig. 21-12

三级全自由门架管路系统(四联) /HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (FOUR WAY)

FD50-70T

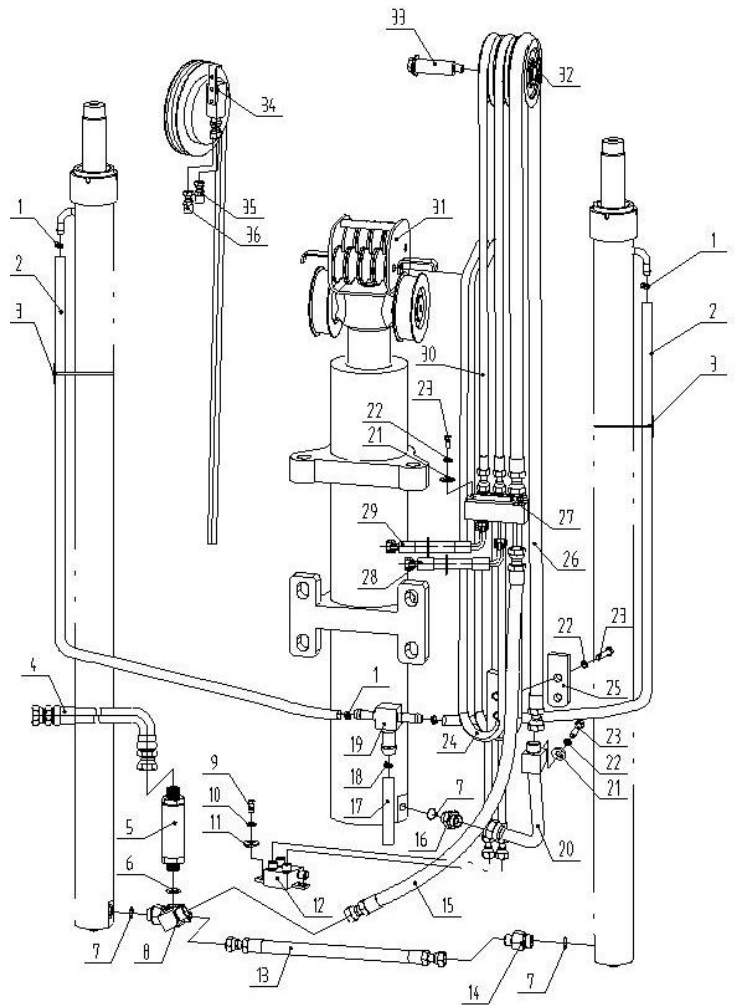


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26		60488-07000	Pulley hose II	1	
27	69010201	60488SS-05000	Inlet oil switching connector	1	
28	69008758	60488S-00004	valve-inlet oil hose	2	
29	69009110	60486SS-00001	valve-adjusting hard hose I	1	
30		60488S-05000	Pulley hose	2	
31	N/A	60488SS-06000	Pulley assembly	1	AS NEEDED
32	69010372	60488SS-00004	Pulley	2	
33	69010309	60488SS-00003	Step bolt	2	
34	69084128	35S24K II -04001	The left rolling machine	1	
35	N/A	S60488SS-01000B	Valve- the rolling machine (hose I)	1	AS NEEDED
36	N/A	S60488SS-01000B	Valve- the rolling machine (hose II)	1	AS NEEDED

图21-12/ Fig. 21-12

三级全自由门架管路选用表 (三—四联) / HYDRAULIC SYSTEM OPTIONAL PARTS

FD50-70T



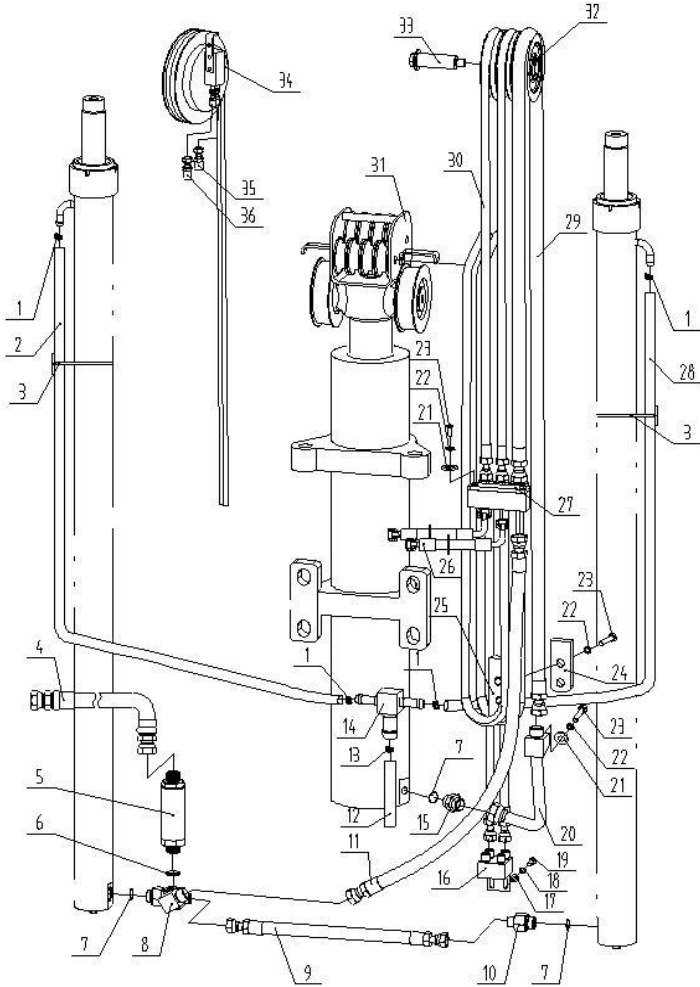
管路系统选用件-多路阀-卷管器胶管 I、多路阀-卷管器胶管 II (35、件36)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-35		PART-36	备注 REMARK
	ID.	S60488SS-01000B IValve- the rolling machine (hose I)	ID.	
4000	69113282	S60488SS-01001B	69113315	
4350	69113283	S60488SS-01002B	69113316	
4500	69113284	S60488SS-01003B	69113317	
4800	69113286	S60488SS-01004B	69113318	
5000	69113290	S60488SS-01005B	69113319	
5400	69113295	S60488SS-01006B	69113320	
6000	69113313	S60488SS-01007B	69113321	
6500	69113314	S60488SS-01008B	69113322	

图21-13/ Fig. 21-13

三级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (FOUR WAY)

FD80-100T

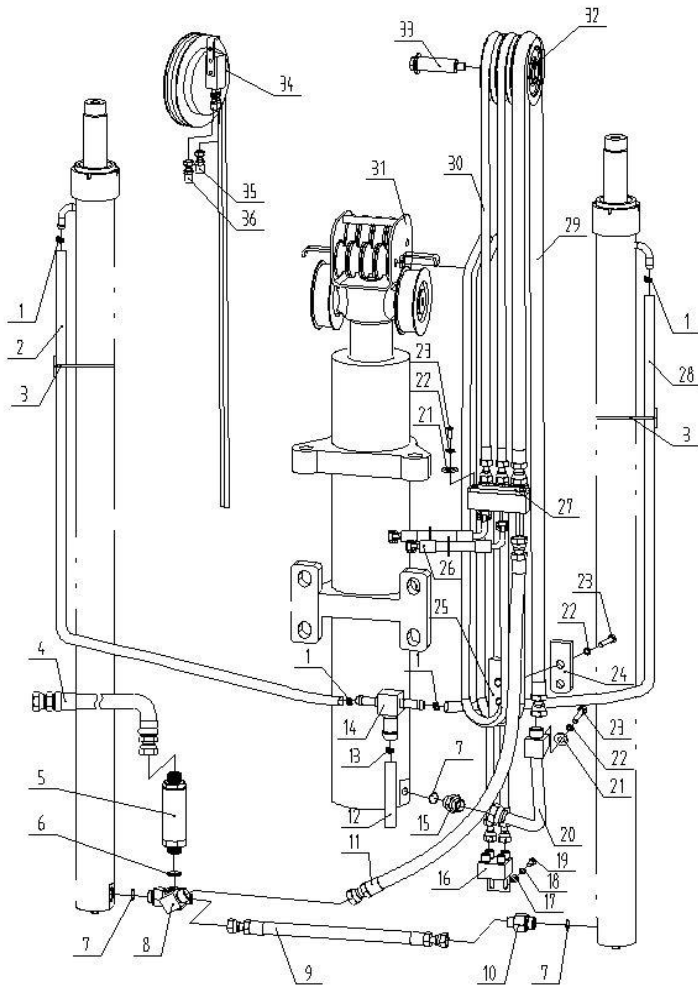


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69036894	JB/T8870-16-25	Hoop Φ16-25	4	
2	69024475	10A88SS-00001	Tilt return oil hose I	1	
3	N/A	ST8x350	Cable tie	4	AS NEEDED
4	69011675	10A86SS-00004	Speed limiting valve hose	1	
5	69011695	10A86SS-03000	Speed limiting valve	1	
6	69124133	GB1235-35*3.5-G	O-ring 35*3.5	1	
7	69124132	GB1235-30*3.5-G	O-ring 30*3.5	3	
8	69024474	10A88SS-05000	Four-way connector	1	
9	69011676	10A86SS-00009	Tilt cylinder connect hose	1	
10	69011671	10A86SS-00010	Tilt cylinder connector	1	
11	69024475	10A88SS-00001	Intermediate cylinder inlet oil hose I	1	
12	69106447	LS106447	Tilt return oil hose	1	
13	69022337	JB/T8870-20-32	Hoop Φ20-32	1	
14	69006149	60486-00004	Tilt return oil three-way	1	
15	69007312	60487-00004	Free cylinder inlet oil connector	1	
16	69024468	10A87SS-13000	Four-way assembly	1	
17	69000259	GB/T97.1-8	Washer 8	2	
18	69000062	GB/T93-8	Washer 8	2	
19	69000200	GB/T5783-M8*25-8.8J	Bolt M8*25	2	
20	69024476	10A88SS-12000	Switching barb hose II	1	
21	69000250	GB/T97.1-10	Washer 10	5	
22	69000053	GB/T93-10	Washer 10	5	
23	69000123	GB/T5783-M10*20-8.8J	Bolt M10*20	5	
24	69012504	45488S-00004	Plate(RIGHT)	1	
25	69033302	60488SS-04000	Guide barrel assembly II	1	

图21-13/ Fig. 21-13

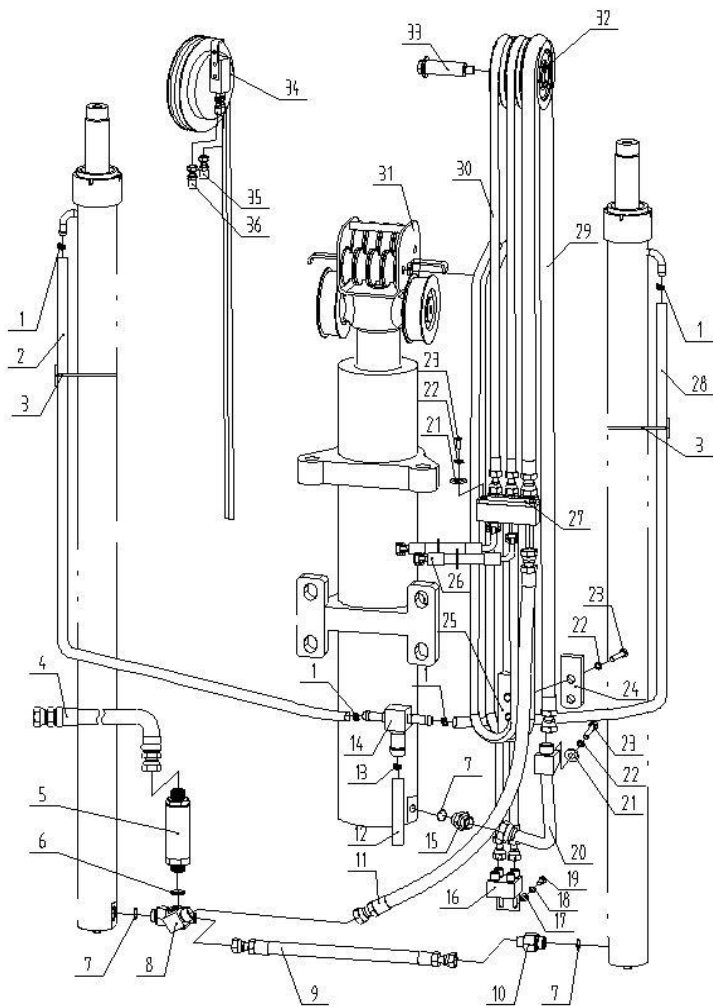
三级全自由门架管路系统(四联) / HYDRAULIC SYSTEM FULL FREE 3-STAGE MAST (FOUR WAY)

FD80-100T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
26	69024484	10A88SS-00002	Valve-return oil hose I	2	
27	69010201	60488SS-05000	Inlet oil switching connector	1	
28	69106447	LS106447	Tilt return oil hose II		
29	N/A	10A88SS-06000	Intermediate cylinder inlet oil hose II	1	AS NEEDED
30	N/A	10A88SS-03000	Pulley hose	2	AS NEEDED
31	69019120	10A87SS-08000	Pulley assembly	1	
32	69010372	60488SS-00004	Pulley	1	
33	69010309	60488SS-00003	Step bolt	1	
34	69084128	35S24K II -04001	The left rolling machine	1	
35	N/A	S10A88SS-01000B	Valve- the rolling machine (hose I)	1	AS NEEDED
36	N/A	S60488SS-01000B	Valve- the rolling machine (hose II)	1	AS NEEDED

FD80-100T



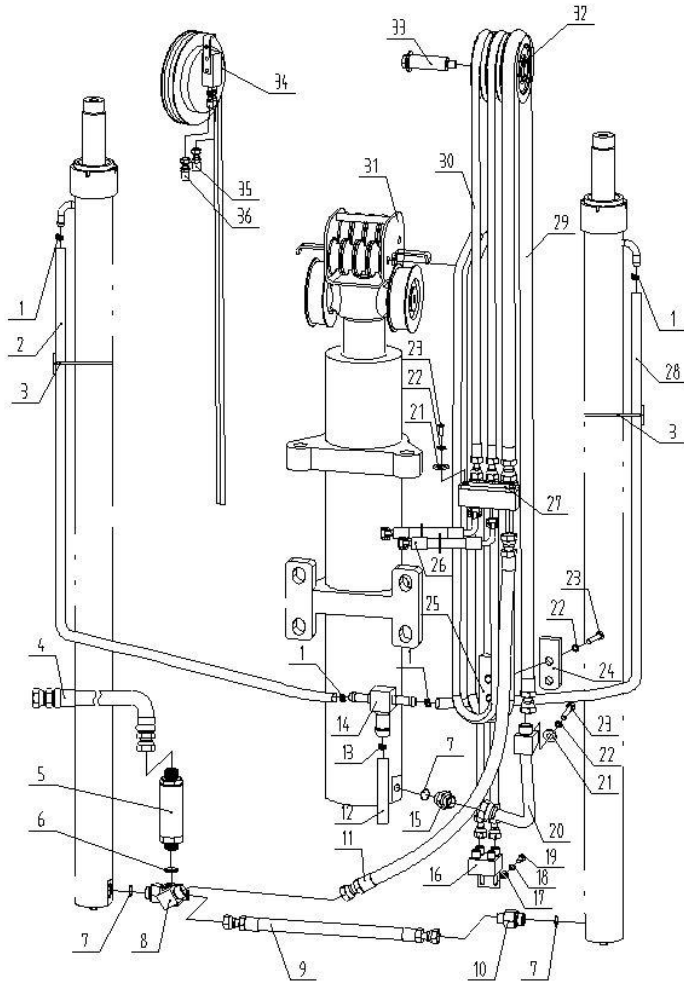
管路系统选用件-中间缸进油管 II、滑轮胶管 (件29、件30)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-29		PART-30	备注 REMARK
	ID.	10A88SS-06000 Intermediate cylinder inlet oil hose II	ID.	
4000	69065189	10A88SS-06002	69024488	
4350	69024479	10A88SS-06003	69015474	
4500	69024480	10A88SS-06004	69024489	
4800	69024481	10A88SS-06005	69024490	
5000	69065190	10A88SS-06006	69024491	
5400	69024482	10A88SS-06007	69024492	
6000	69024483	10A88SS-06008	69024493	
6500	69090320	10A88SS-06009	69090319	

图21-13/ Fig. 21-13

三级全自由门架管路选用表 (四联) / HYDRAULIC SYSTEM OPITIONAL PARTS (FOUR WAY)

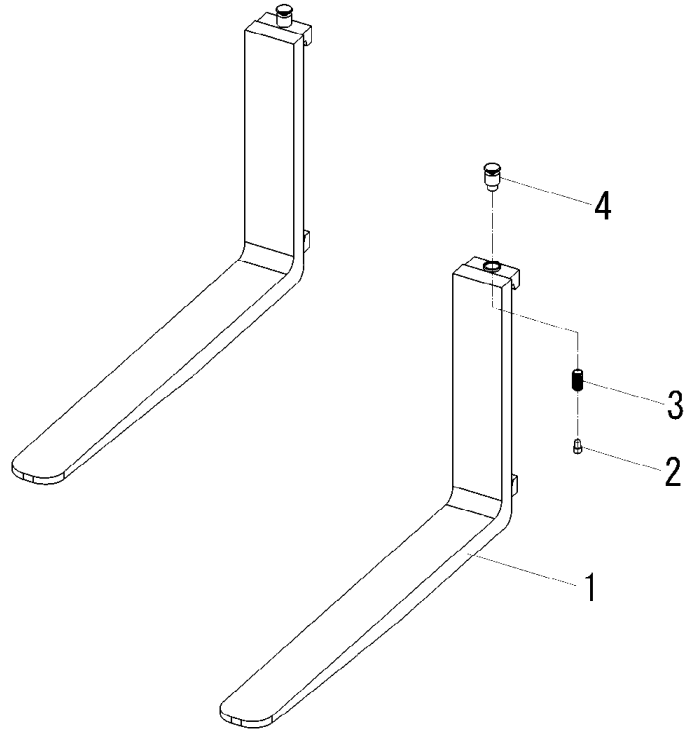
FD80-100T



管路系统选用件-多路阀-卷管器胶管 I (件35)
Sway hose Optional Parts

起升高度 LIFTING HEIGHT	PART-35		备注 REMARK
	ID.	S10A88SS-01000B Valve- the rolling machine (hose I)	
4000	69114275	S10A88SS-01002B	
4350	69114288	S10A88SS-01003B	
4500	69114311	S10A88SS-01004B	
4800	69114321	S10A88SS-01005B	
5000	69114325	S10A88SS-01006B	
5400	69114326	S10A88SS-01007B	
6000	69114327	S10A88SS-01008B	
6500	69114340	S10A88SS-01009B	

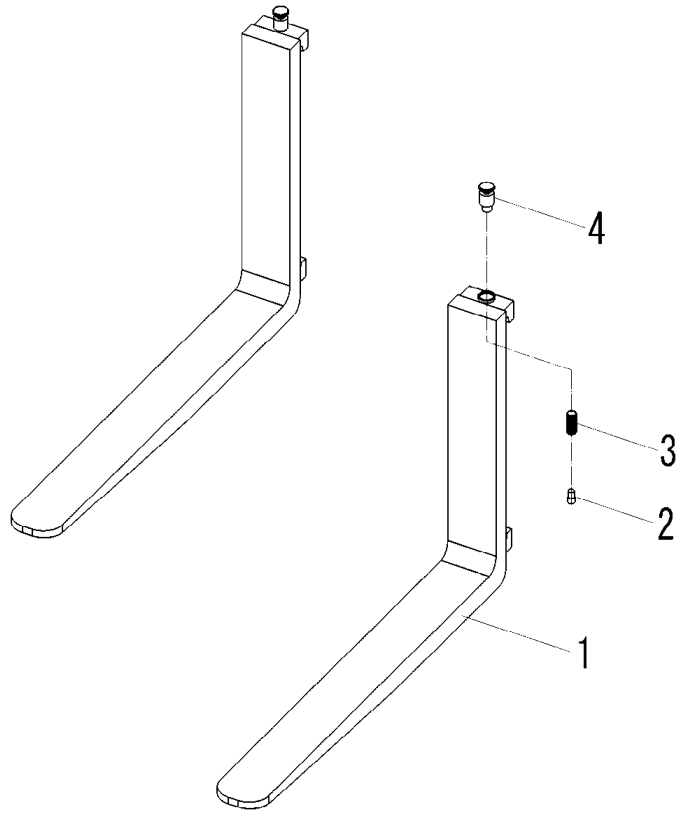
FD50-70T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	N/A	M6048002000	Fork ass'y	2	5t
-	N/A	M7048001000	Fork ass'y	2	7t
2	N/A	M6048002101	Positioning pin	2	5t
-	N/A	M7048001101	Positioning pin	2	7t
3	N/A	M6048002102	Spring	2	5t
-	N/A	M7048001102	Spring	2	7t
4	N/A	M6048002103	Handle	2	5t
-	N/A	M7048001103	Handle	2	7t

图22-1/ Fig. 22-1

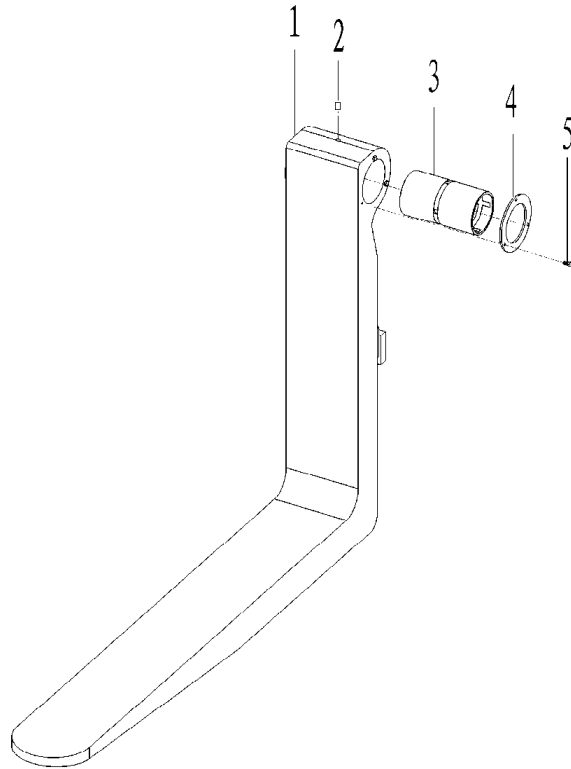
FD50-70T



货叉选用件表/FORK OPITIONAL PARTS

货叉代号PART NO.					备注 Remark
长度 LENGTH	物料	5t	物料		
	ID		ID		
1220	69111075	M60480-HC-55*1220-Black	69111063	Standard/ 标准	
1370	69111074	M60480-HC-55*1370-Black	69111062		
1520	69111073	M60480-HC-55*1520-Black	69111061		
1670	69111072	M60480-HC-55*1670-Black	69111060		
1820	69111071	M60480-HC-55*1820-Black	69111058		
1970	69111070	M60480-HC-55*1970-Black	69111057		
2000	69111069	M60480-HC-60*2000-Black	69111056		
2120	69111068	M60480-HC-60*2120-Black	69111055		
2220	69111067	M60480-HC-60*2220-Black	69111054		
2300	69111066	M60480-HC-60*2300-Black	69111053		
2440	69111065	M60480-HC-60*2440-Black	69111052		
2500	69111064	M60480-HC-60*2500-Black	69111051		

FD80-120T

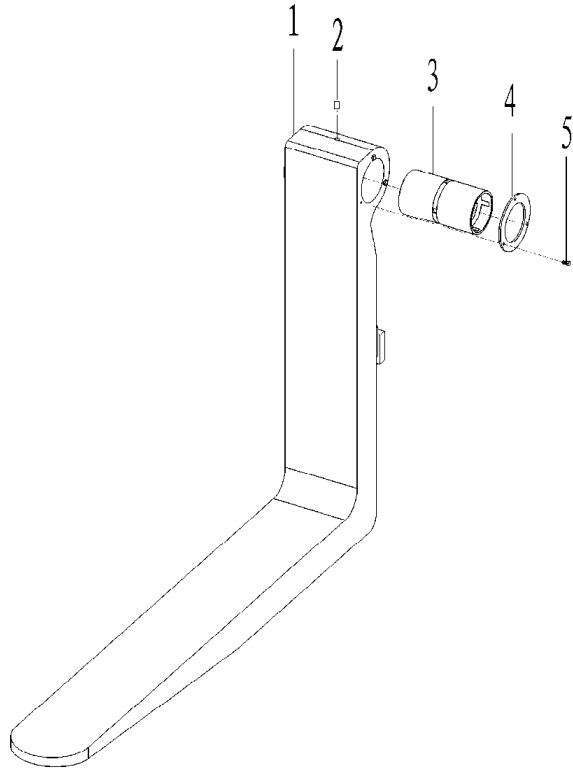


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	N/A	10A80-07000	Fork ass'y(left)	1	8-10T AS NEEDED
-	N/A	10A80-16000	Fork ass'y(right)	1	8-10T AS NEEDED
-	N/A	12A80X-05000	Fork ass'y(left)	1	x12T AS NEEDED
-	N/A	12A80X-11000	Fork ass'y(right)	1	x12T AS NEEDED
2	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
3		10A80-07004	Snap spring	4	
4		10A80-07005	Shaft ass'y	2	
5	69000189	GB/T5783-M6*12-8.8J	Bolt M6x12	12	

图22-2/ Fig. 22-2

FD80-100T

货叉选用件表/FORK OPITIONAL PARTS

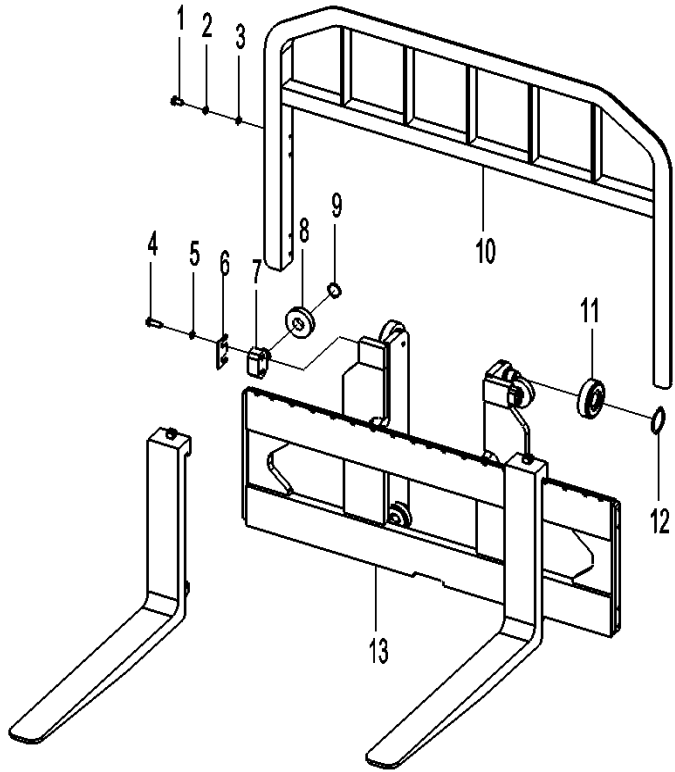


货叉代号PART NO.				
长度 LENGTH	物料号 ID.	货叉总成	物料号 ID.	备注 Remark
1220	69119658	10A80-HC-1220-Black	69111136	Standard/标准
1370	69119657	10A80-HC-1370-Black	69111133	
1520	69119656	10A80-HC-1520-Black	69111132	
1670	69119655	10A80-HC-1670-Black	69111129	
1820	69119654	10A80-HC-1820-Black	69111126	
1970	69119653	10A80-HC-1970-Black	69111123	
2000	69119652	10A80-HC-2000-Black	69111119	
2200	69119649	10A80-HC-2220-Black	69111115	
2440	69119647	10A80-HC-2440-Black	69111113	

图22-3/ Fig. 22-3

货叉架 (基本型) (型钢) / NORMAL MAST LIFT BRACKET (MERCHANT STEEL)

FD50-70T

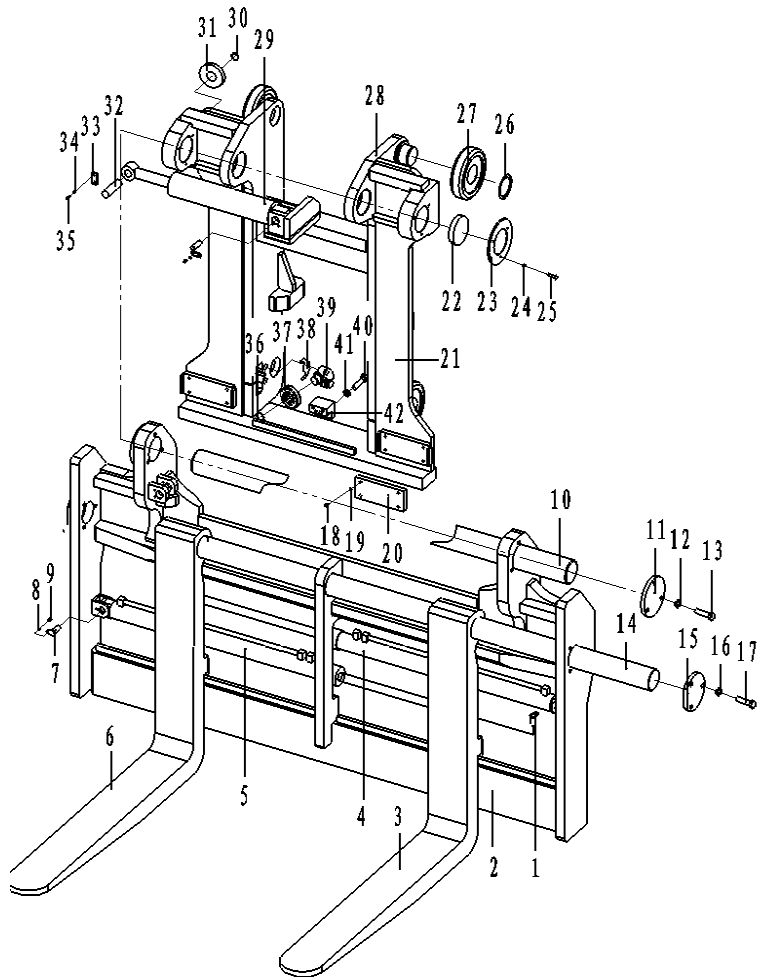


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000159	GB/T5786-M14*1.5*30-8.8J	Bolt M14x1.5x30	8	
2	69000252	GB/T97.1-14	Washer 14	8	
3	69005111	GB/T93-14	Washer 14	8	
4	69008014	GB/T5785-M22*1.5*65-8.8J	Bolt M22x1.5x65	8	
5	69006935	GB/T93-22	Washer 22	8	
6	69007746	M70074000008/1.0	Adjusting shim	4	
-	69007747	M70074000008/3.0	Washer	4	
7	69019016	M6048000017	Side roller shaft	4	
8	69005550	M1538011000	Side roller	4	
-	69005550	M1538011000	Side roller	4	
9	69005095	GB/T894.1-Φ35	Snap spring 35	4	
10	69035185	M6048001000	Backrest	1	
11	69006385	M6048008000(X)	Main roller	4	
12	69000073	GB/T894.1-Φ55	Snap spring 55	4	
13	69102565	60480H-03000-Black	Fork carriage	1	5t
-	69102567	70480H-02000-Black	Fork carriage	1	7T

图22-4/ Fig. 22-4

货叉架（基本型）/ NORMAL MAST LIFT BRACKET

FD80-120T

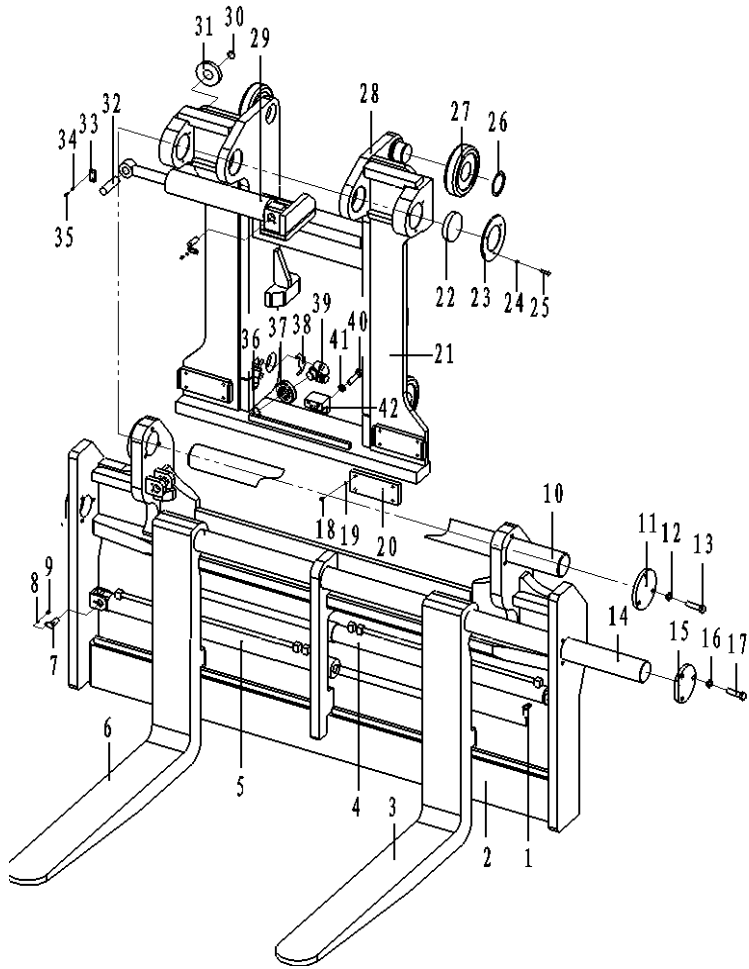


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69012367	10A80-05000	Pin shaft II	2	
2	69103126	12A80X-04000-Black	Transverse frame	2	x12T
-	69120884	10AS26-02000-Black	Transverse frame	2	8-10T
3	N/A	12A80X-05000	Fork ass'y(left)	1	x12T AS NEEDED
-	N/A	10A80-07000	Fork ass'y(left)	1	8-10T AS NEEDED
4	69096216	10A80-14000A	Positioning cylinder (left)	1	
5	69096217	10A80-15000A	Positioning cylinder(right)	1	
6	N/A	12A80X-11000	Fork ass'y(right)	1	x12T AS NEEDED
-	N/A	10A80-16000	Fork ass'y(right)	1	8-10T AS NEEDED
7	69012366	10A80-04000	Pin shaft I	1	
8	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
9	69000062	GB/T93-8	Washer 8	2	
10	69040964	12A80X-00004	Sideshifter shaft	1	x12T
-	69023746	10AS26-00001	Sideshifter shaft	1	8-10T
11	69120035	12A80X-00005-Black	Plate I	2	x12T
-	69120829	10AS26-00003-Black	Plate I	2	8-10T
12	69000056	GB/T93-16	Washer 16	6	
13	69021892	GB/T5786-M16*1.5*60-8.8J	Bolt M16x1.5x60	6	
14	69011996	10A80-00010	Shaft	1	
15	69102439	12A80X-00006-Black	PlateII	2	x12T
-	69120829	10AS26-00003-Black	PlateII	2	8-10T
16	69000056	GB/T93-16	Washer 16	6	
17	69021892	GB/T5786-M16*1.5*60-8.8J	Bolt M16x1.5x60	6	
18	69004525	GB/T70.1-M10*25-8.8J	Screw M10x25	8	
19	69000053	GB/T93-10	Washer 10	8	

图22-4/ Fig. 22-4

货叉架 (基本型) / NORMAL MAST LIFT BRACKET

FD80-120T

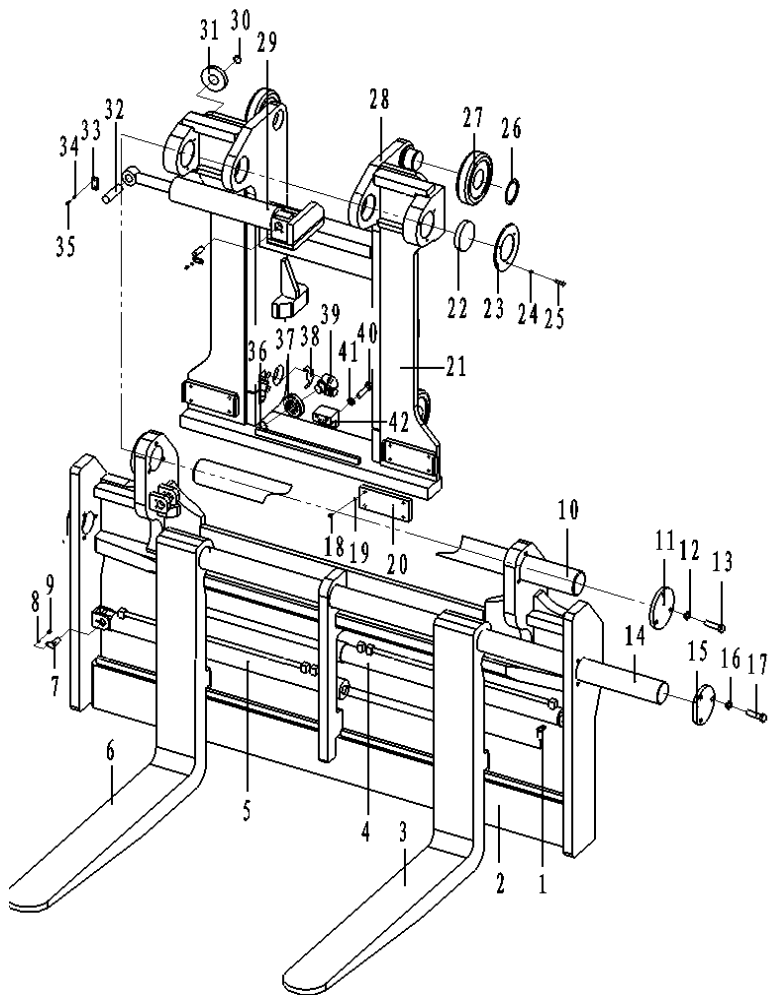


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
20	69120836	10AS26-00007-Black	Slipper	2	
21	69120041	12A80X-03000A-Black	Fixed bracket	1	x12T
-	69120885	10AS26-01000-Black	Fixed bracket	1	8-10T
22	69042633	12A80X-00009	Bushing 9560	2	x12T
-	69023819	10AS26-01009	Bushing 9060	2	8-10T
23	69120037	12A80X-00010-Black	Snap spring	8	x12T
-	69106860	10AS26-01008-Black	Snap spring	8	8-10T
24	69000062	GB/T93-8	Washer 8	24	
25	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	24	
26	69011909	GB/T894.1-Φ75	Snap spring 75	4	x12T
-	69015447	GB/T894.1-Φ65	Snap spring 65	4	8-10T
27	69040972	12A80X-10000	Main roller	4	x12T
-	69039776	10A80-09000X	Main roller	4	8-10T
28	69042634	12A80X-00011	Bushing 9540	2	x12T
-	69023820	10AS26-01011	Bushing 9040	2	8-10T
29	69023754	10AS26-03000	Sideshifter cylinder	1	
30	69000071	GB/T894.1-Φ45	Snap spring 45	2	
31	69040966	12A80X-06000	Side roller I	2	x12T
-	69002362	M3038008000	Roller	2	8-10T
32	69023749	10AS26-00004	Pin shaft	1	
33	69120033	10AS26-00005-Black	Board	2	
34	69000200	GB/T5783-M8*25-8.8J	Bolt M8x25	4	
35	69000062	GB/T93-8	Washer 8	4	
36	69000071	GB/T894.1-Φ45	Snap spring 45	2	
37	69040966	12A80X-06000	Side roller I	2	x12T

图22-4/ Fig. 22-4

货叉架（基本型）/ NORMAL MAST LIFT BRACKET

FD80-120T

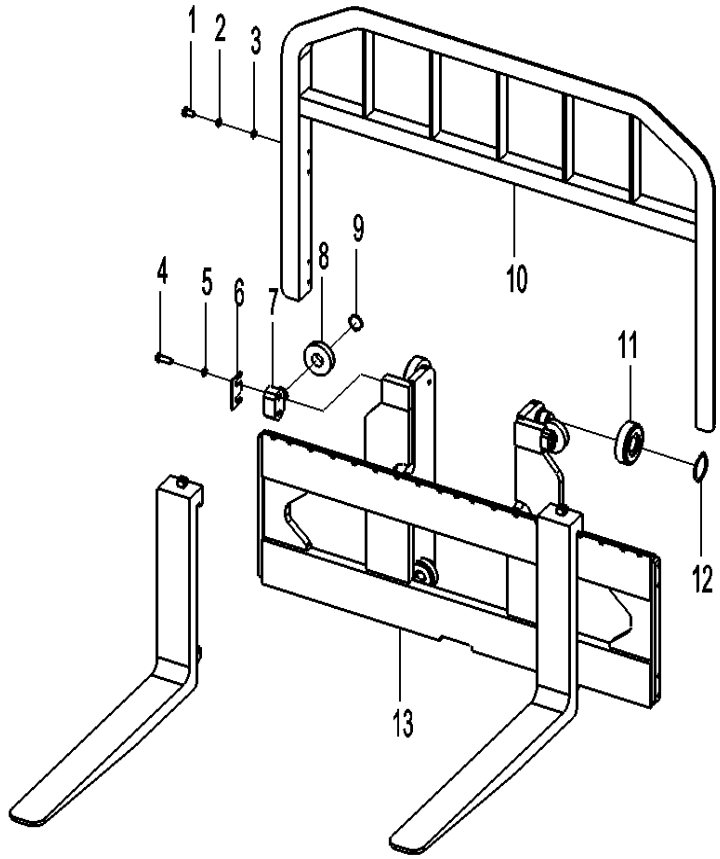


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	69002362	M3038008000	Roller	2	8-10T
38	69016063	10A80-00005/1.0	Adjusting shim	2	
39	69015093	10A80-00004	Side roller shaft	2	
40	69004525	GB/T70.1-M10*25-8.8J	Screw M10x25	4	
41	69000053	GB/T93-10	Washer 10	4	
42	69102550	10AS26-00008-Black	Fixed block	1	

图22-5/ Fig. 22-5

货叉架（二级全自由）/ FULL FREE 2 STAGE MASTLIFT BRACKET

FD50-70T

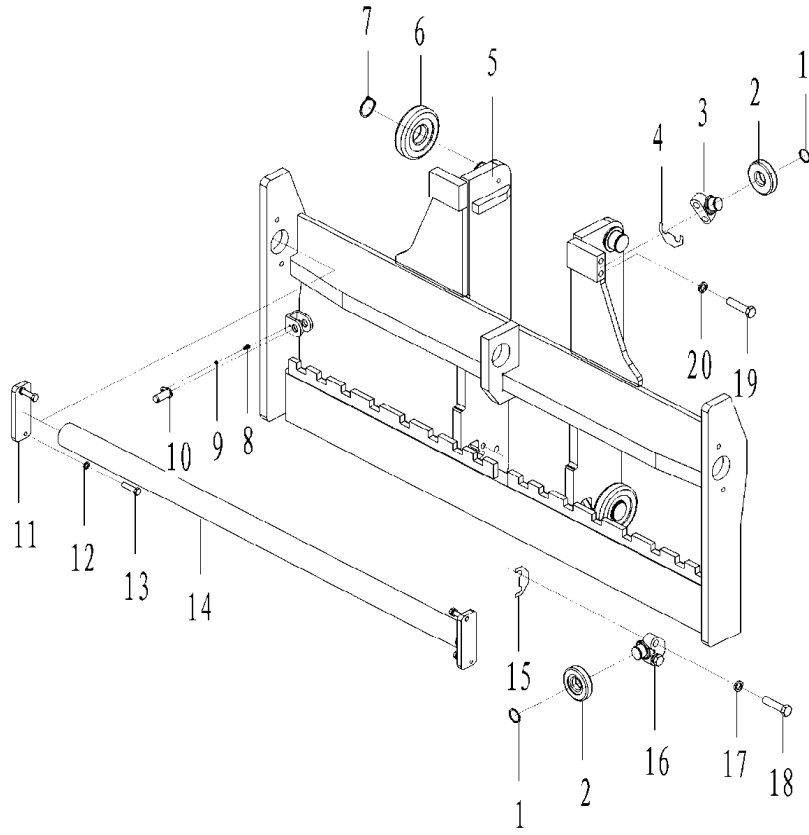


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000159	GB/T5786-M14*1.5*30-8.8J	Bolt M14x1.5x30	8	
2	69000252	GB/T97.1-14	Washer 14	8	
3	69005111	GB/T93-14	Washer 14	8	
4	69008014	GB/T5785-M22*1.5*65-8.8J	Bolt M22x1.5x65	8	
5	69006935	GB/T93-22	Washer 22	8	
6	69007746	M70074000008/1.0	Adjusting shim	4	
-	69007747	M70074000008/3.0	Washer	4	
7	69019016	M6048000017	Side roller shaft	4	
8	69005550	M1538011000	Side roller	4	
	69005550	M1538011000	Side roller	4	
9	69005095	GB/T894.1-Φ35	Snap spring 35	4	
10	69112247	M6048001000-Black	Backrest	1	
11	69006385	M6048008000(X)	Main roller	4	
12	69000073	GB/T894.1-Φ55	Snap spring 55	4	
13	69120341	70482H-04000-Black	Fork carriage	1	

图22-6/ Fig. 22-6

货叉架（二级全自由）/ FULL FREE 2 STAGE MASTLIFT BRACKET

FD80-100T

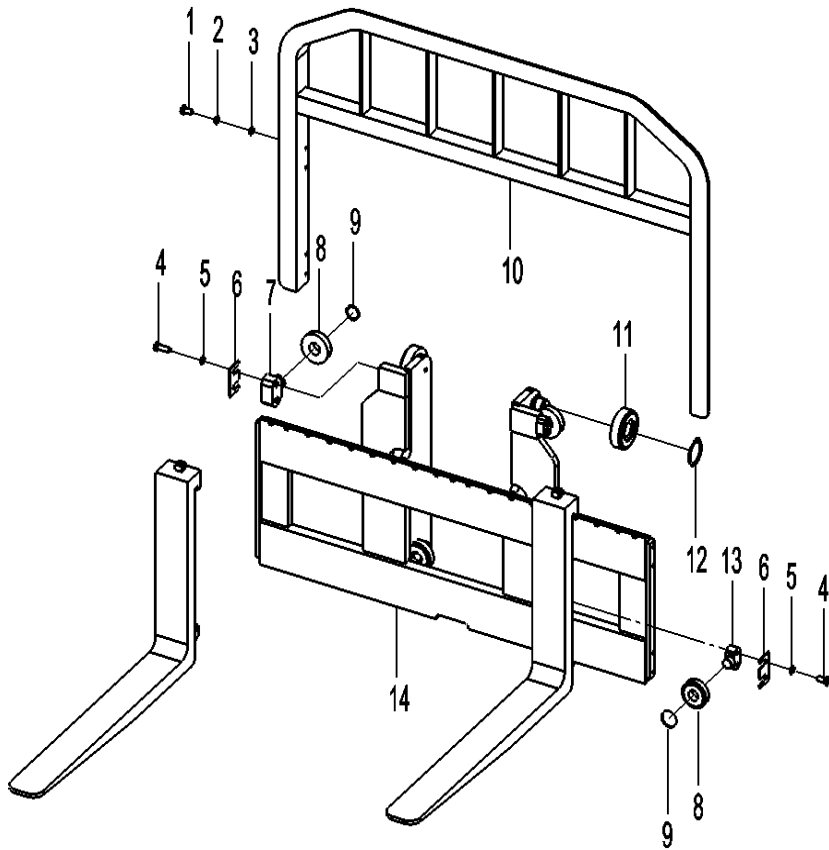


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000071	GB/T894.1-Φ45	Snap spring 45	4	
2		10A80-10000	Side roller	4	
3	69015098	10A82-08001	Side roller shaft	2	
4	69007747	M70074000008/3.0	Washer	2组	
5	69119451	10A82-05000A-Black	Fork carriage	1	
6	69039776	10A80-09000X	Main roller	4	
7	69015447	GB/T894.1-Φ65	Snap spring 65	4	
8	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
9	69000062	GB/T93-8	Washer 8	2	
10	69012366	10A80-04000	Pin shaft I	2	
11	69117055	10A80-00009-Black	Plate	2	
12	69000056	GB/T93-16	Washer 16	4	
13	69000167	GB/T5785-M16*1.5*60-8.8J	Bolt M16x1.5x60	4	
14	69011996	10A80-00010	Shaft	1	
15	69016063	10A80-00005/1.0	Adjusting shim	2组	
16	69015093	10A80-00004	Side roller shaft	2	
17	69006632	GB/T93-24	Washer 24	4	
18	69011767	GB/T5785-M24*2*80-8.8J	Bolt M24x2x80	4	
19	69000098	GB/T5785-M22*1.5*80	Bolt M22X1.5X80	4	
20	69006935	GB/T93-22	Washer 22	4	

图22-7/ Fig. 22-7

货叉架（三级全自由）（型钢）/ FULL FREE 3 STAGE MAST LIFT BRACKET (MERCHANT STEEL)

FD50-70T

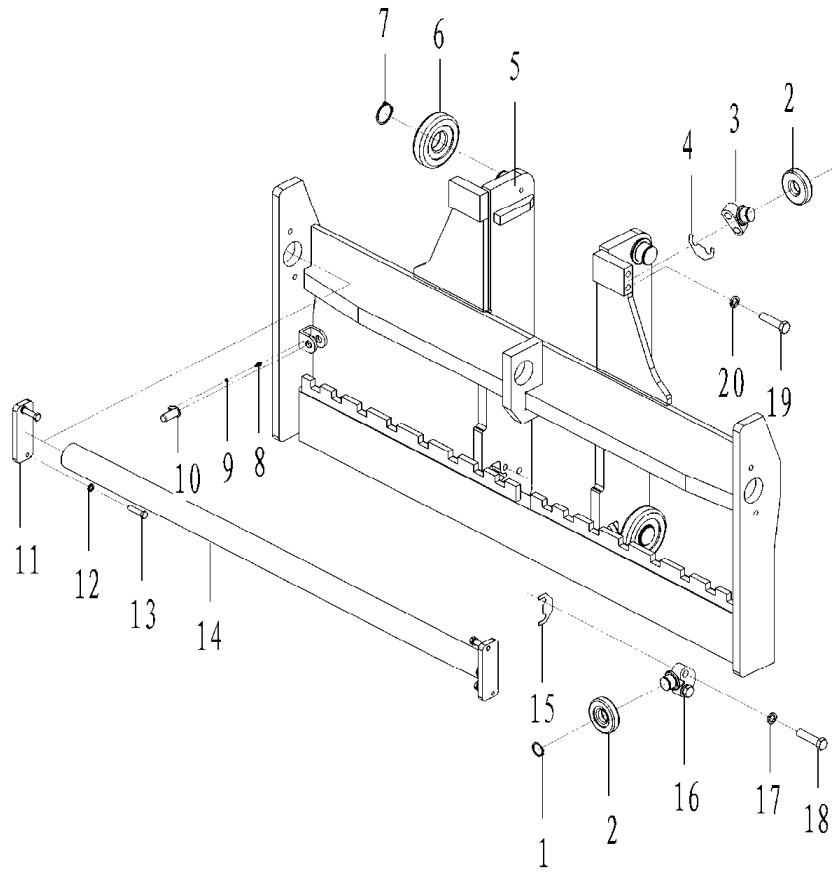


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000159	GB/T5786-M14*1.5*30-8.8J	Bolt M14x1.5x30	8	
2	69000252	GB/T97.1-14	Washer 14	8	
3	69005111	GB/T93-14	Washer 14	8	
4	69008014	GB/T5785-M22*1.5*65-8.8J	Bolt M22x1.5x65	8	
5	69006935	GB/T93-22	Washer 22	8	
6	69007747	M70074000008/3.0	Adjusting shim	4	
7	69016167	M70074004001 (X)	Side roller shaft	2	
8	69005550	M1538011000	Side roller	4	
-	69005550	M1538011000	Side roller	4	
9	69005095	GB/T894.1-Φ35	Snap spring 35	4	
10	69112247	M6048001000-Black	Backrest	1	
11	69006385	M6048008000(X)	Main roller	4	
12	69000073	GB/T894.1-Φ55	Snap spring 55	4	
13	69019016	M6048000017	Side roller seat	2	
14	69102566	700740H-02000-Black	Fork carriage	1	

图22-8/ Fig. 22-8

货叉架 (三级全自由) / FULL FREE 3 STAGE MAST LIFT BRACKET

FD80-100T

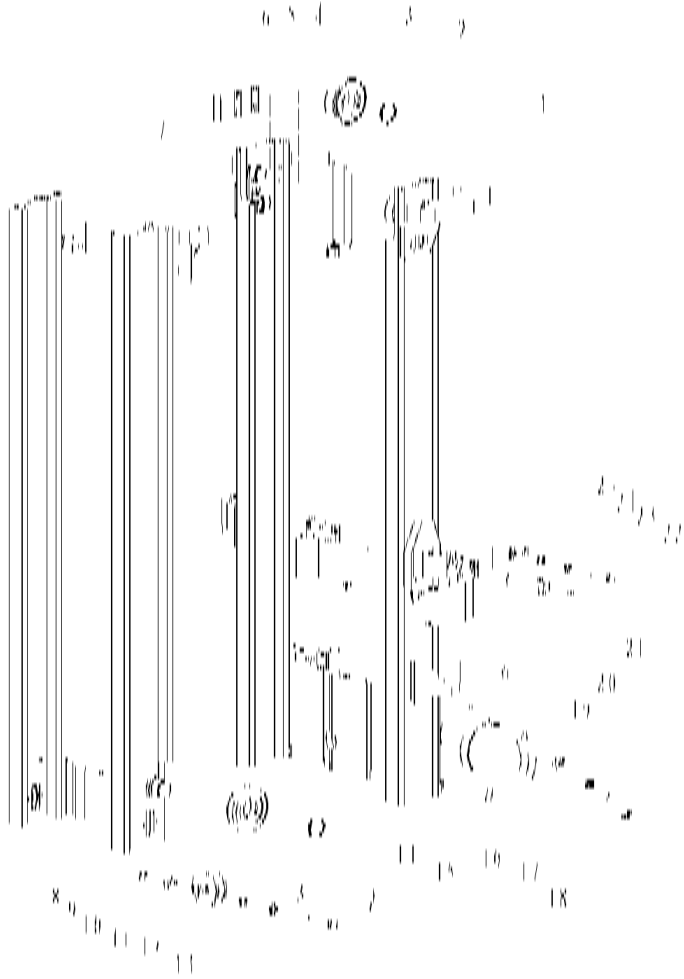


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69000071	GB/T894.1-Φ45	Snap spring 45	4	
2		10A80-10000	Side roller	4	
3	69015098	10A82-08001	Side roller shaft	2	
4	69007747	M70074000008/3.0	Washer	2组	
5	69102573	10A84-05000A-Black	Fork carriage	1	
6	69039776	10A80-09000X	Main roller	4	
7	69015447	GB/T894.1-Φ65	Snap spring 65	4	
8	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	2	
9	69000062	GB/T93-8	Washer 8	2	
10	69012366	10A80-04000	Pin shaft I	2	
11	69117055	10A80-00009-Black	Plate	2	
12	69000056	GB/T93-16	Washer 16	4	
13	69000167	GB/T5785-M16*1.5*60-8.8J	Bolt M16x1.5x60	4	
14	69011996	10A80-00010	Shaft	1	
15	69016063	10A80-00005/1.0	Adjusting shim	2组	
16	69015093	10A80-00004	Side roller shaft	2	
17	69006632	GB/T93-24	Washer 24	4	
18	69011767	GB/T5785-M24*2*80-8.8J	Bolt M24x2x80	4	
19	69000098	GB/T5785-M22*1.5*80	Bolt M22X1.5X80	4	
20	69006935	GB/T93-22	Washer 22	4	

图22-9/ Fig. 22-9

门架(基本型)/MAST(NORMAL MAST)

FD50-70T

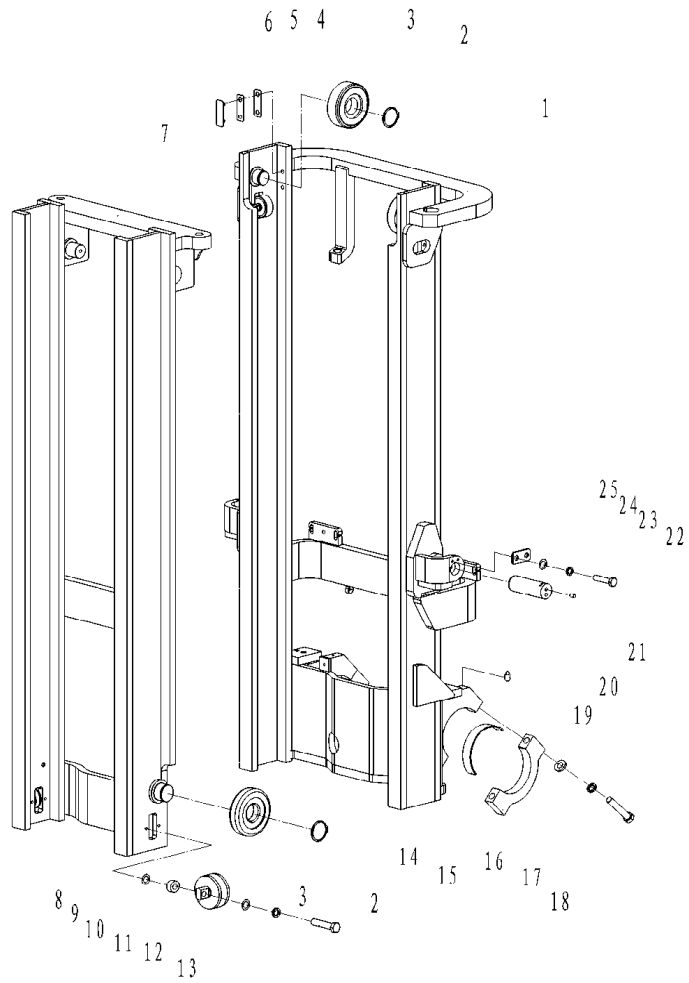


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1		M6048006000(X)	Outer mast ass'y	1	5t
-		M7048005000(X)	Outer mast ass'y	1	7t
2	69000073	GB/T894.1-Φ55	Snap spring 55	4	
3	69006385	M6048008000(X)	Main roller	4	
4	69009498	M3038000004/0.5	Adjusting shim (I)	2	
5	69009497	M3038000004/1.0	Adjusting shim (II)	2	
6	69012571	M70074000007(X)	Slipper	2	
7		M6048005000(X)	Inner mast ass'y	1	5t
-		M7048004000(X)	Inner mast ass'y	1	7t
8	69060859	M3038000005/13	Washer	8	
9	69012066	M3038000006/0.5	Adjusting shim	8	
10	69001546	M6048010000	Side roller set (II)	4	
11	69000054	GB/T93-12	Washer 12	8	
12	69000251	GB/T97.1-12	Washer 12	8	
13	69000140	GB/T5786-M12*1.25*45-8.8J	Bolt M12×1.25×45	8	
14	69007930	M6048000006	Gasket	2	
15	69009486	M6048000007	Bearing cap	2	
16	69006935	GB/T93-22	Washer 22	4	
17	69006552	GB/T97.1-AJ22	Washer 22	4	
18	69006742	GB/T5785-M22*1.5*120	Bolt M22×1.5×120	4	
19	69003941	JB/T7940.1-M10*1	Nipple M10×1	2	
20	69006665	M6048000001	Pin shaft (I)	2	
21	69003941	JB/T7940.1-M10*1	Nipple M10×1	2	
22	69000122	GB/T5783-M10*16-8.8J	Bolt M10×15	4	
23	69000053	GB/T93-10	Washer 10	4	

图22-9/ Fig. 22-9

门架(基本型)/MAST (NORMAL MAST)

FD50-70T

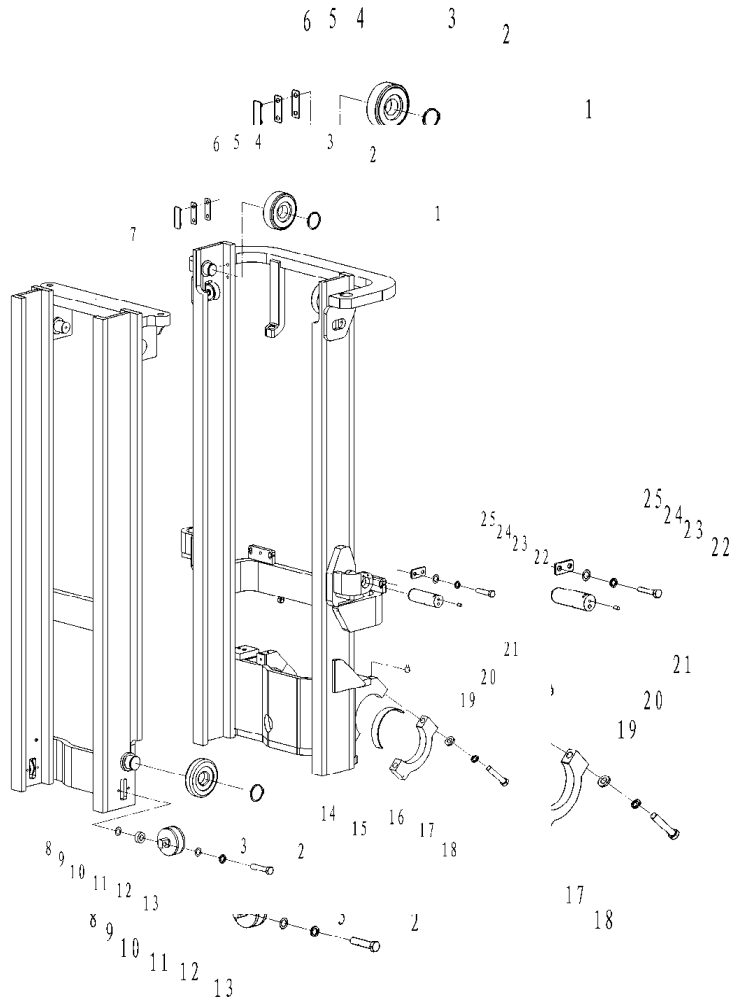


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69000250	GB/T97.1-10	Washer 10	4	
25	69007544	M6048000003	Positioning plate	2	

图22-9/Fig. 22-9

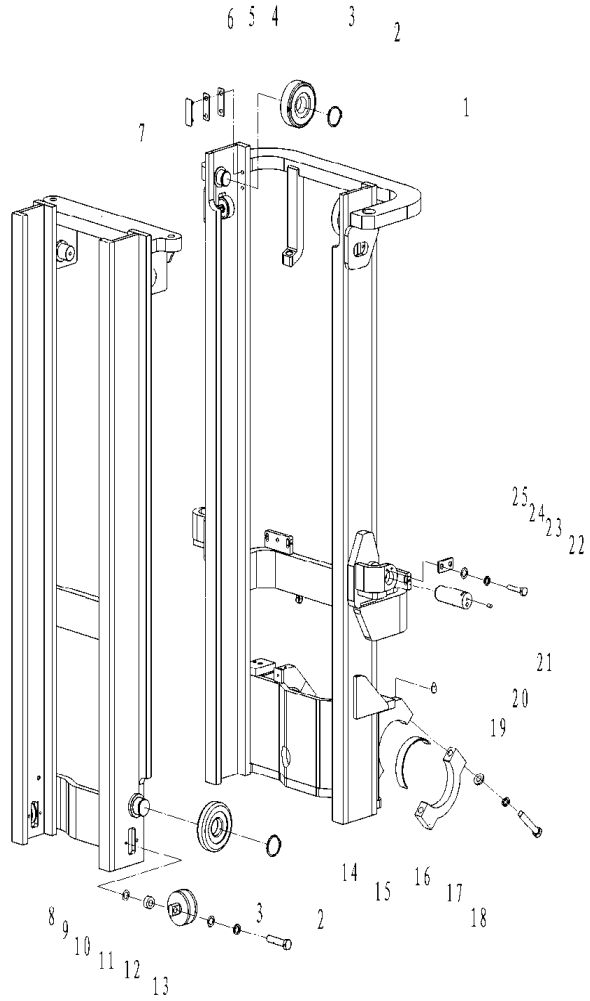
门架(基本型)/MAST (NORMAL MAST)

FD50-70T



内门架总成INNER MAST				备注
起升高度L LIFTING HEIGHT	物料号	5t型	物料号	Remark
	ID.		ID.	
2500	69102814	M6048005000 (X)-2.5M-Black	69102838	
2700	69127417	M6048005000 (X)-2.7M-Black	69102839	
3000	69102816	M6048005000 (X)-3.0M-Black	69102841	Standard/标准
3300	69102818	M6048005000 (X)-3.3M-Black	69102842	
3500	69102819	M6048005000 (X)-3.5M-Black	69102843	
3750	69102820	M6048005000 (X)-3.75M-Black	69130922	
4000	69102821	M6048005000 (X)-4.0M-Black	69102844	
4500	69102823	M6048005000 (X)-4.5M-Black	69102845	
5000	69102825	M6048005000 (X)-5.0M-Black	69102846	
5500	69102826	M6048005000 (X)-5.5M-Black	69102847	
6000	69102827	M6048005000 (X)-6.0M-Black	69102848	

FD50-70T

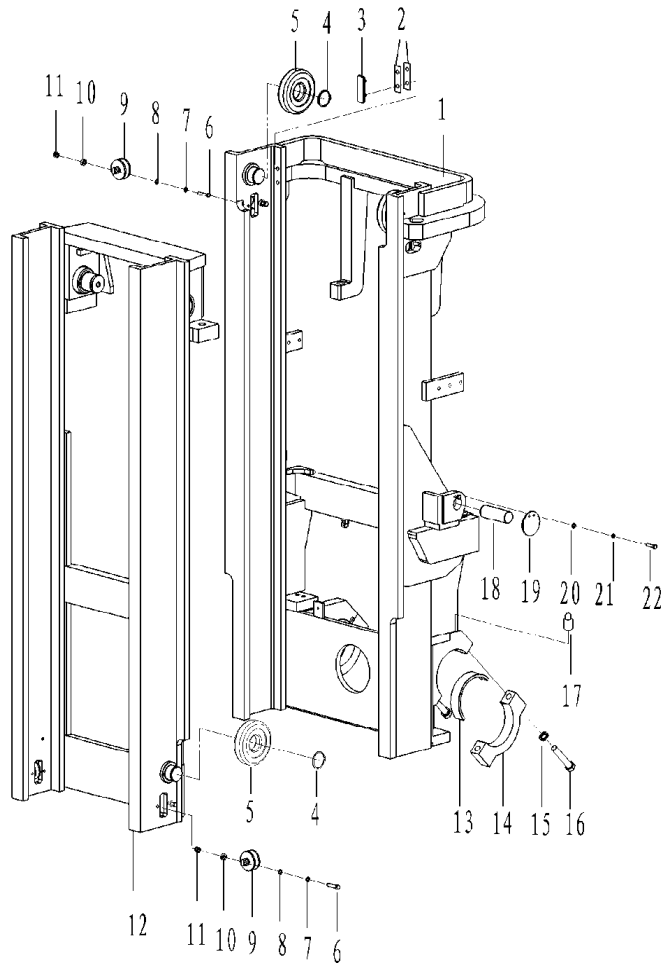


起升高度 LIFTING HEIGHT	外门架总成 OUTER MAST			备注
	物料号 ID.	5t	物料号 ID.	Remark
2500	69103067	M6048006000 (X)-2.5M-Black	69103092	
2700	69127418	M6048006000 (X)-2.7M-Black	69103093	
3000	69103069	M6048006000 (X)-3.0M-Black	69103094	Standard/标准
3300	69103071	M6048006000 (X)-3.3M-Black	69103095	
3500	69103072	M6048006000 (X)-3.5M-Black	69103096	
3750	69103073	M6048006000 (X)-3.75M-Black	69130923	
4000	69103074	M6048006000 (X)-4.0M-Black	69103097	
4500	69103076	M6048006000 (X)-4.5M-Black	69103098	
5000	69103079	M6048006000 (X)-5.0M-Black	69103099	
5500	69103080	M6048006000 (X)-5.5M-Black	69103100	
6000	69103081	M6048006000 (X)-6.0M-Black	69103101	

图22-10/ Fig. 22-10

门架(基本型)/MAST(NORMAL MAST)

FD80-100T

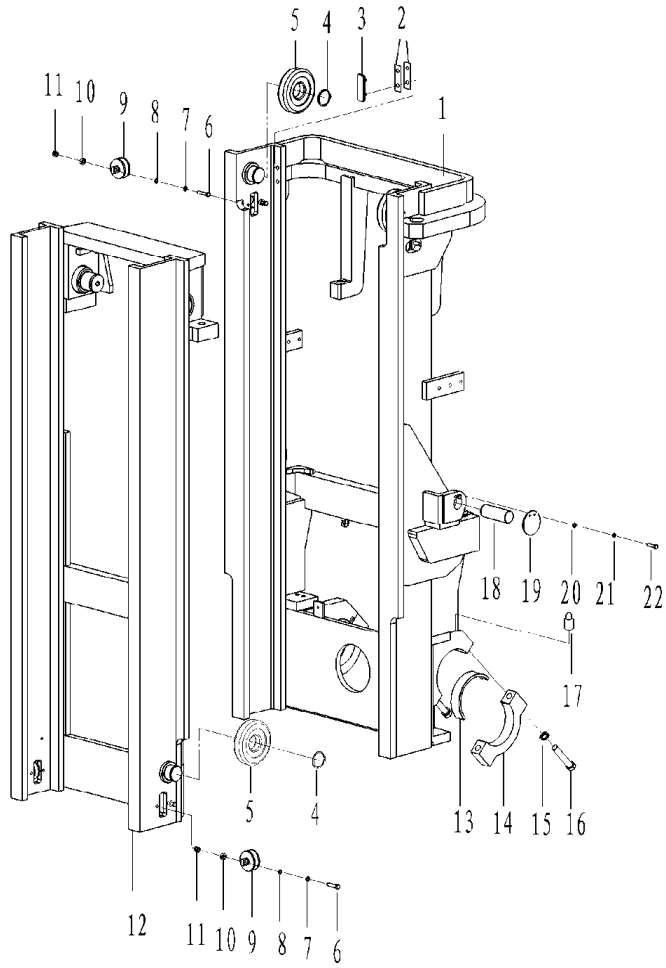


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69035253	10A80-01000	Outer mast ass'y	1	
2	69009498	M3038000004/0.5	Adjusting shim set (II)	AR	
3	69005880	M3038000003	Slipper	2	
4	69015447	GB/T894.1-Φ65	Snap spring 65	4	
5	69039776	10A80-09000X	Main roller	4	
6	69000140	GB/T5786-M12*1.25*45-8.8J	Bolt M12x1.25x45	8	
7	69000054	GB/T93-12	Washer 12	8	
8	69000251	GB/T97.1-12	Washer 12	8	
9	69001546	M6048010000	Side roller set	4组	(C6-10)
10	69060859	M3038000005/13	Washer	8	
11	69012066	M3038000006/0.5	Adjusting shim	8	
12	69035255	10A80-02000	Inner mast ass'y	1	
13	69012119	10A80-00007	Bearing liner	2	
14	69011817	10A80-00006	Bearing cap	2	
15	69006632	GB/T93-24	Washer 24	4	
16	69011768	GB/T5785-M24*2*130-8.8J	Bolt M24x2x130	4	
17	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
18	69006665	M6048000001	Pin shaft (I)	2	
19	69007544	M6048000003	Positioning plate	2	
20	69000053	GB/T93-10	Washer 10	4	
21	69000250	GB/T97.1-10	Washer 10	4	
22	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	4	

图22-10/ Fig. 22-10

门架(基本型)/MAST (NORMAL MAST)

FD80-100T

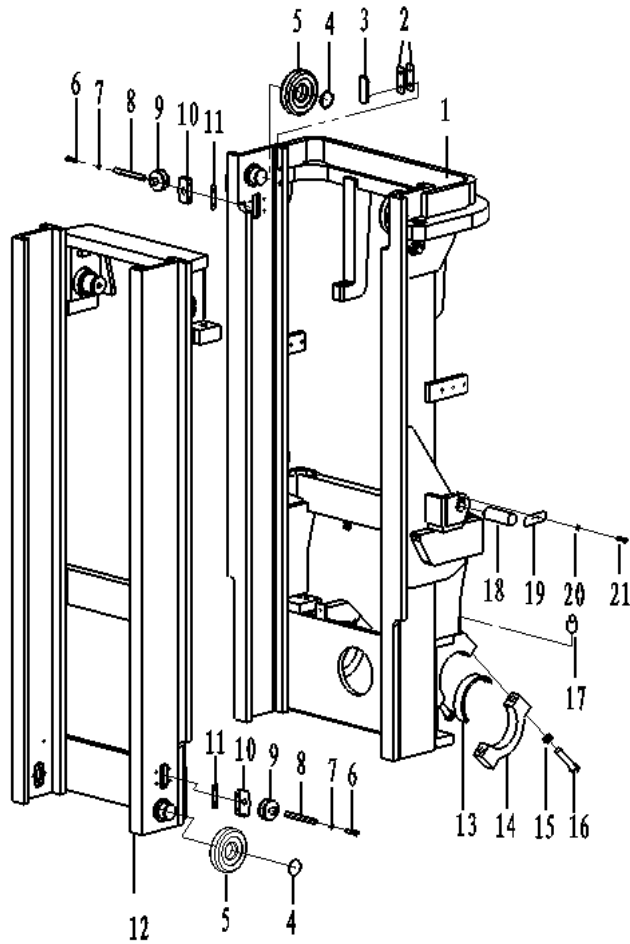


起升高度L LIFTING HEIGHT	门架选用表 Mast Opitonal Parts				备注
	物料号 ID.	外门架总成 OUTER MAST	物料号 ID.	内门架总成 INN	Remark
1700	69102438	10A80-01000-1.7M-Black	69102663	000-1	
2300	69110192	10A80-01000-2.3M-Black	69102664	000-2	
2700	69102927	10A80-01000-2.7M-Black	69102665	000-2	
3000	69102928	10A80-01000-3.0M-Black	69102666	000-3	Standard/标准
3300	69119464	10A80-01000-3.3M-Black	69119469	000-3	
3500	69102929	10A80-01000-3.5M-Black	69102667	000-3	
3750	69102930	10A80-01000-3.75M-Black	69102668	000-3	
4000	69102931	10A80-01000-4.0M-Black	69102669	000-4	
4250	69102932	10A80-01000-4.25M-Black	69102670	000-4	
4500	69102933	10A80-01000-4.5M-Black	69102671	000-4	
4750	69102934	10A80-01000-4.75M-Black	69102672	000-4	
5000	69102935	10A80-01000-5.0M-Black	69102673	000-5	
5500	69102936	10A80-01000-5.5M-Black	69102674	000-5	
6000	69102937	10A80-01000-6.0M-Black	69102675	000-6	

图22-11/Fig. 22-11

门架(基本型)/MAST (NORMAL MAST)

FD120T-MXWQ3,FD120T-MG(11)3

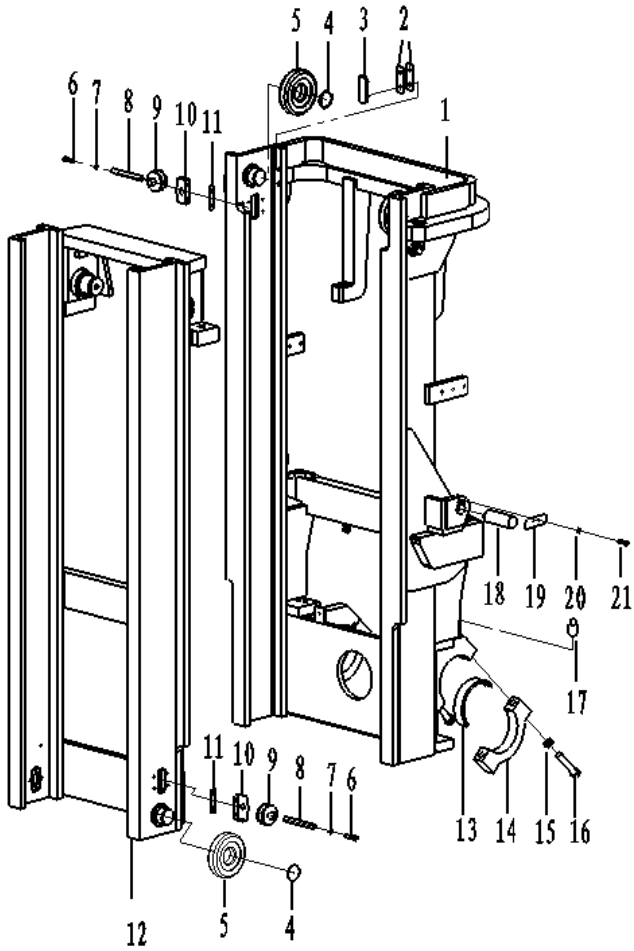


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	N/A	12A80X-01000A	Outer mast ass'y	1	
2	69009498	M3038000004/0.5	Adjusting shim set (II)	AR	
3	69015099	M70074000007	Slipper	2	
4	69011909	GB/T894.1-Φ75	Snap spring 75	4	
5	69041564	12A80X-00008	Main roller	4	
6	69000212	GB/T5785-M10*1.25*55-8.8J	Bolt M10x1.25x55	8	
7	69000053	GB/T93-10	Washer 10	8	
8	69040969	GB/T879.1-Φ10*45	Pin 10x45	4	
9	69040971	12A80X-09000	Side roller	4组	
10	69040970	12A80X-00007	Side roller seat	8	
11	69041564	12A80X-00008	Adjusting shim	8	
12		12A80-02000	Inner mast ass'y	1	
13	69012119	10A80-00007	Bearing liner	2	
14	69011817	10A80-00006	Bearing cap	2	
15	69006632	GB/T93-24	Washer 24	4	
16	69011768	GB/T5785-M24*2*130-8.8J	Bolt M24x2x130	4	
17	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
18	69006665	M6048000001	Pin shaft (I)	2	
19	69007544	M6048000003	Positioning plate	2	
20	69000053	GB/T93-10	Washer 10	4	
21	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	4	

图22-11/ Fig. 22-11

门架(基本型)/MAST (NORMAL MAST)

FD120T-MXWQ3,FD120T-MG(11)3

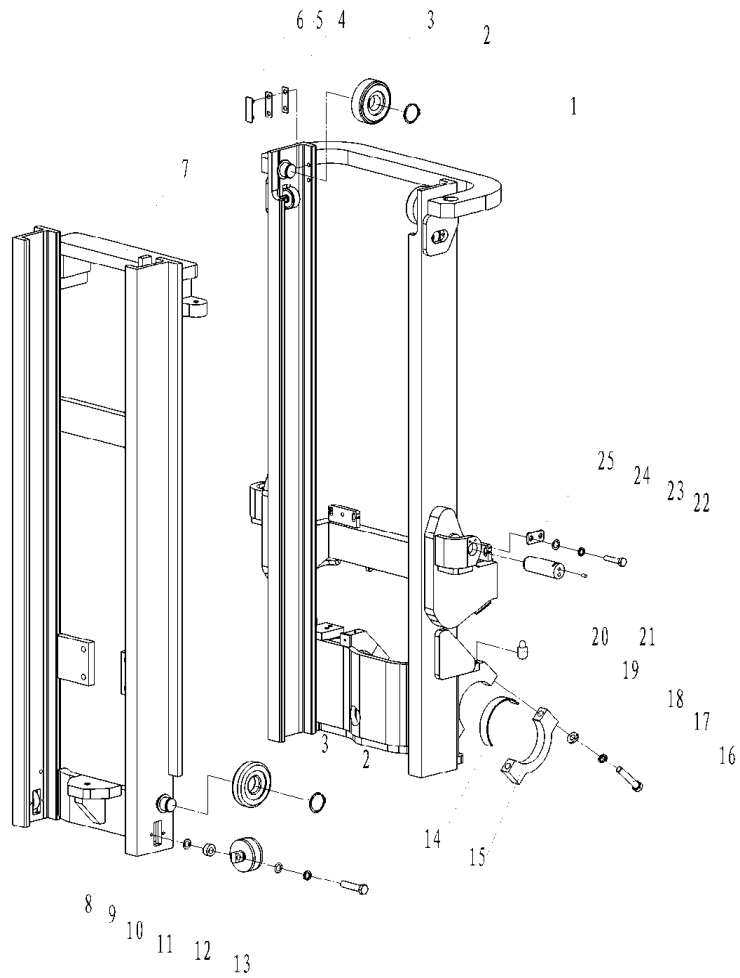


起升高度L LIFTING HEIGHT	门架选用表 Mast Optional Parts			备注
	物料号 ID.	外门架总成 OUTER MAST	物料号 ID.	Remark
3000	69102950	12A80X-01000A-3.0M-Black	69102696	
3300	69102951	12A80X-01000A-3.3M-Black	69102697	
3500	69102952	12A80X-01000A-3.5M-Black	69102698	
3750	69102953	12A80X-01000A-3.75M-Black	69102699	
4000	69102955	12A80X-01000A-4.0M-Black	69102700	Standard/标准
4250	69102956	12A80X-01000A-4.25M-Black	69102701	
4500	69102957	12A80X-01000A-4.5M-Black	69102702	
4750	69110195	12A80X-01000A-4.75M-Black	69102703	
5000	69102959	12A80X-01000A-5.0M-Black	69102704	
5500	69102960	12A80X-01000A-5.5M-Black	69102705	
6000	69102961	12A80X-01000A-6.0M-Black	69102706	

图22-12/ Fig. 22-12

门架(二级全自由)/MAST (FULL FREE 2-STAGE MAST)

FD50-70T

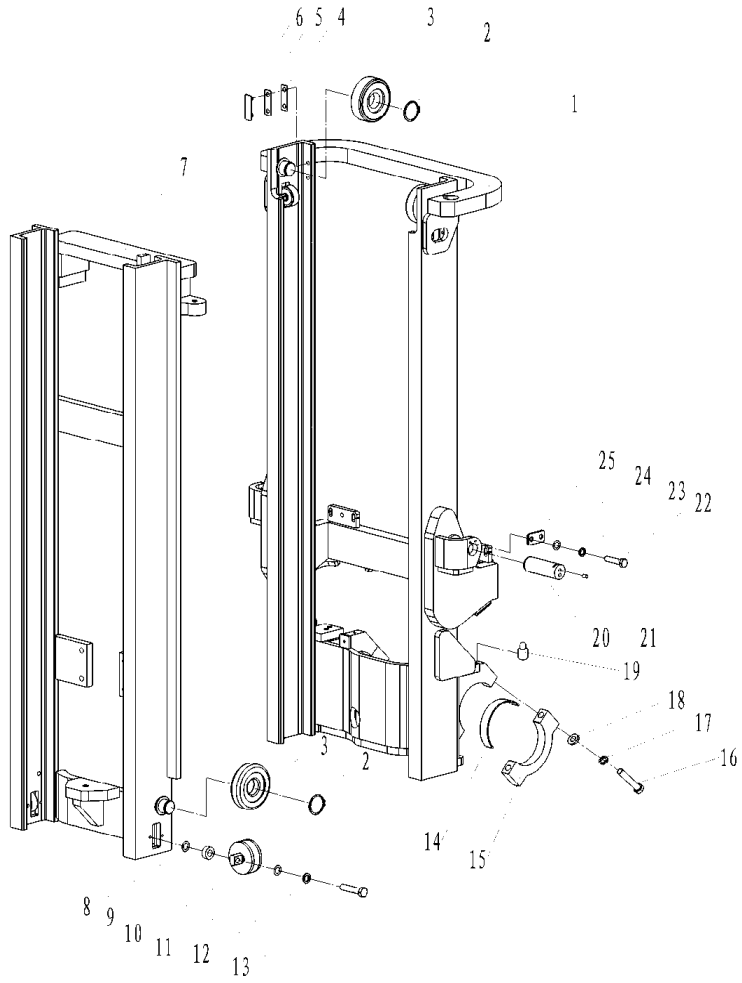


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	N/A	70482-02000	Outer mast ass'y	1	
2	69000073	GB/T894.1-Φ55	Snap spring 55	4	
3	69006385	M6048008000(X)	Main roller	4	
4	69009498	M3038000004/0.5	Adjusting shim (I)	2	
5	69009497	M3038000004/1.0	Adjusting shim (II)	2	
6	69012571	M70074000007(X)	Slipper	2	
7	N/A	70482-01000	Inner mast ass'y	1	AS NEEDED
8	69060859	M3038000005/13	Washer	8	
9	69012066	M3038000006/0.5	Adjusting washer	8	
10	69001546	M6048010000	Side roller set (II)	4	
11	69000054	GB/T93-12	Washer 12	8	
12	69000251	GB/T97.1-12	Washer 12	8	
13	69000140	GB/T5786-M12*1.25*45-8.8J	Bolt M12x1.25x45	8	
14	69007930	M6048000006	Bearing liner	2	
15	69009486	M6048000007	Bearing cap	2	
16	69006935	GB/T93-22	Washer 22	4	
17	69006552	GB/T97.1-AJ22	Washer 22	4	
18	69006742	GB/T5785-M22*1.5*120	Bolt M22x1.5x120	4	
19	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
20	69006665	M6048000001	Pin shaft (I)	2	
21	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
22	69000122	GB/T5783-M10*16-8.8J	Bolt M10x15	4	
23	69000053	GB/T93-10	Washer 10	4	
24	69000250	GB/T97.1-10	Washer 10	4	
25	69007544	M6048000003	Positioning plate	2	

图22-12/ Fig. 22-12

门架(二级全自由)/MAST(FULL FREE 2-STAGE MAST)

FD50-70T

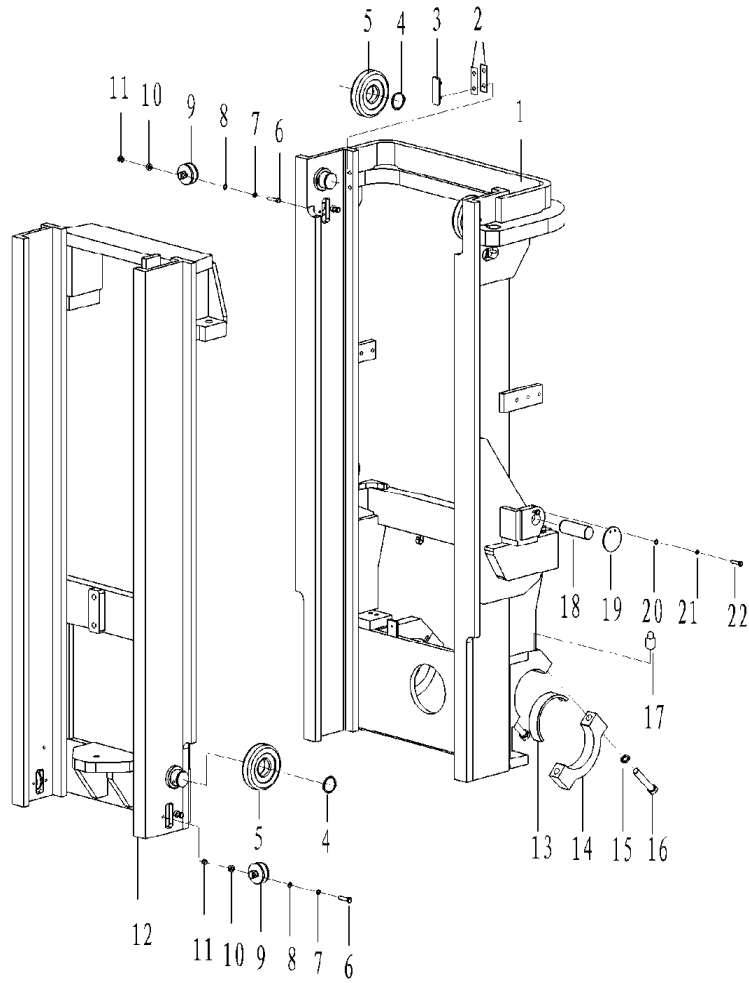


门架选用表 Mast Optional Parts				备注
起升高度LIFTING HEIGHT	物料号 ID.	外门架总成 OUTER MAST	物料号 ID.	Remark
3000	69103055	70482-02000-3.0M-Black	69110161	
3300	69103056	70482-02000-3.3M-Black	69110162	
3500	69103057	70482-02000-3.5M-Black	69110163	
3750	69103058	70482-02000-3.75M-Black	69110164	
4000	69103059	70482-02000-4.0M-Black	69110165	
4250	69103060	70482-02000-4.25M-Black	69110166	
4500	69103061	70482-02000-4.5M-Black	69110167	
4750	69103062	70482-02000-4.75M-Black	69110168	
5000	69103063	70482-02000-5.0M-Black	69110169	
5500	69103064	70482-02000-5.5M-Black	69110170	
6000	69103065	70482-02000-6.0M-Black	69110171	

图22-13/ Fig. 22-13

门架(二级全自由)/MAST (FULL FREE 2-STAGE MAST)

FD80-100T

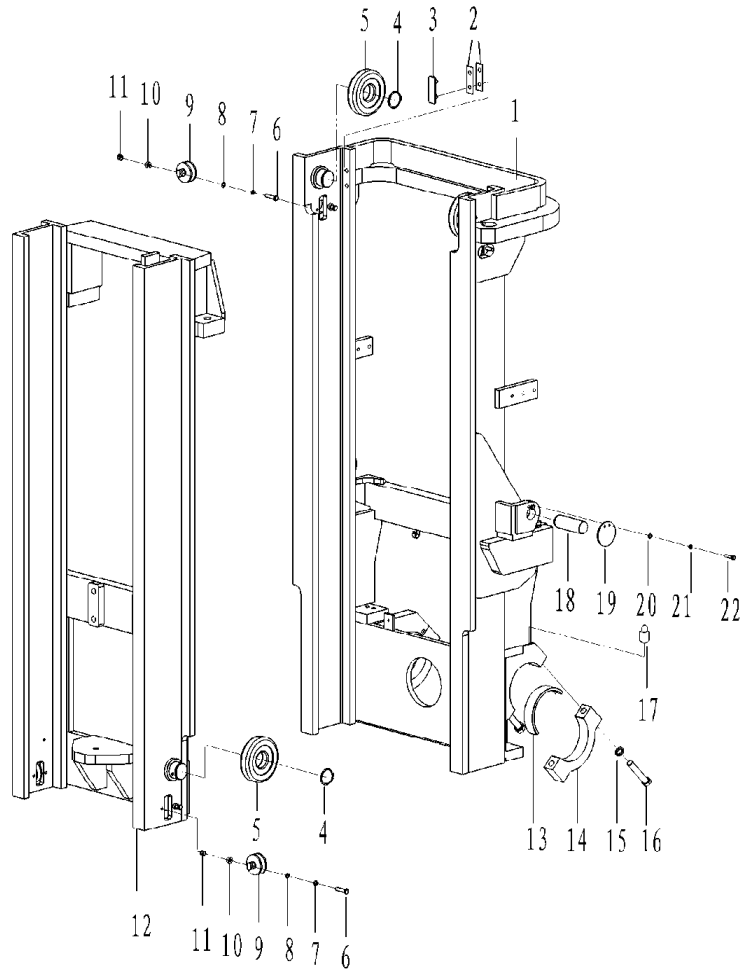


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	N/A	10A82-01000	Outer mast ass'y	1	AS NEEDED
2	69009498	M3038000004/0.5	Adjusting shim (II)	2组	
3	69015099	M70074000007	Slipper	2	
4	69015447	GB/T894.1-Φ65	Snap spring 65	4	
5	69039776	10A80-09000X	Main roller	4	
6	69000140	GB/T5786-M12*1.25*45-8.8J	Bolt M12x1.25x45	8	
7	69000054	GB/T93-12	Washer 12	8	
8	69000251	GB/T97.1-12	Washer 12	8	
9	69001546	M6048010000	Side roller set	4组	(C6-10)
10	69060859	M3038000005/13	Washer	8	
11	69012066	M3038000006/0.5	Adjusting washer	8	
12	N/A	10A82-02000	Inner mast ass'y	1	AS NEEDED
13	69012119	10A80-00007	Bearing liner	2	
14	69011817	10A80-00006	Bearing cap	2	
15	69006632	GB/T93-24	Washer 24	4	
16	69011768	GB/T5785-M24*2*130-8.8J	Bolt M24x2x130	4	
17	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
18	69006665	M6048000001	Pin shaft (I)	2	
19	69007544	M6048000003	Positioning plate	2	
20	69000053	GB/T93-10	Washer 10	4	
21	69000250	GB/T97.1-10	Washer 10	4	
22	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	4	

图22-13/ Fig. 22-13

门架(二级全自由)/MAST (FULL FREE 2-STAGE MAST)

FD80-100T

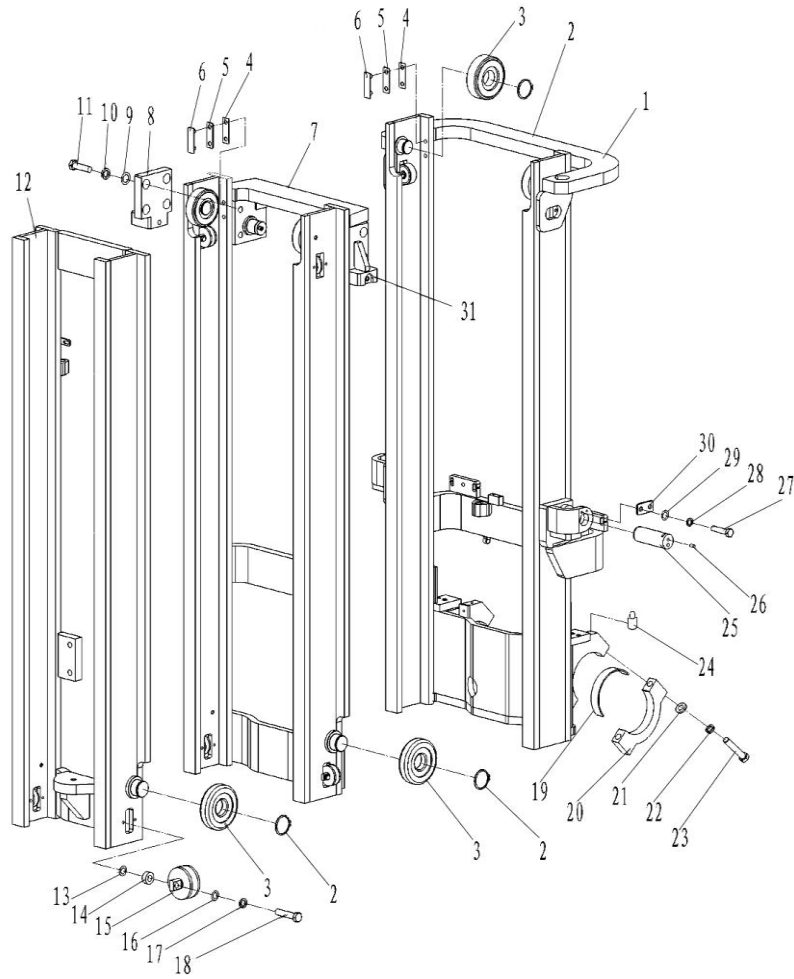


门架选用表 Mast Optional Parts				备注
起升高度L LIFTING HEIGHT	物料号	外门架总成 OUTER MAST	物料号	Remark
	ID.		ID.	
3000	69102938	10A82-01000-3.0M-Black	69102676	
3300	69102939	10A82-01000-3.3M-Black	69102677	
3500	69102940	10A82-01000-3.5M-Black	69102678	
3750	69102942	10A82-01000-3.75M-Black	69102679	
4000	69102943	10A82-01000-4.0M-Black	69102680	
4250	69102944	10A82-01000-4.25M-Black	69102681	
4500	69102945	10A82-01000-4.5M-Black	69102682	
4750	69102946	10A82-01000-4.75M-Black	69102683	
5000	69102947	10A82-01000-5.0M-Black	69102684	
5500	69102948	10A82-01000-5.5M-Black	69102685	
6000	69102949	10A82-01000-6.0M-Black	69102686	

图22-14/ Fig. 22-14

门架(三级全自由)/MAST (FULL FREE 3-STAGE MAST)

FD50-70T

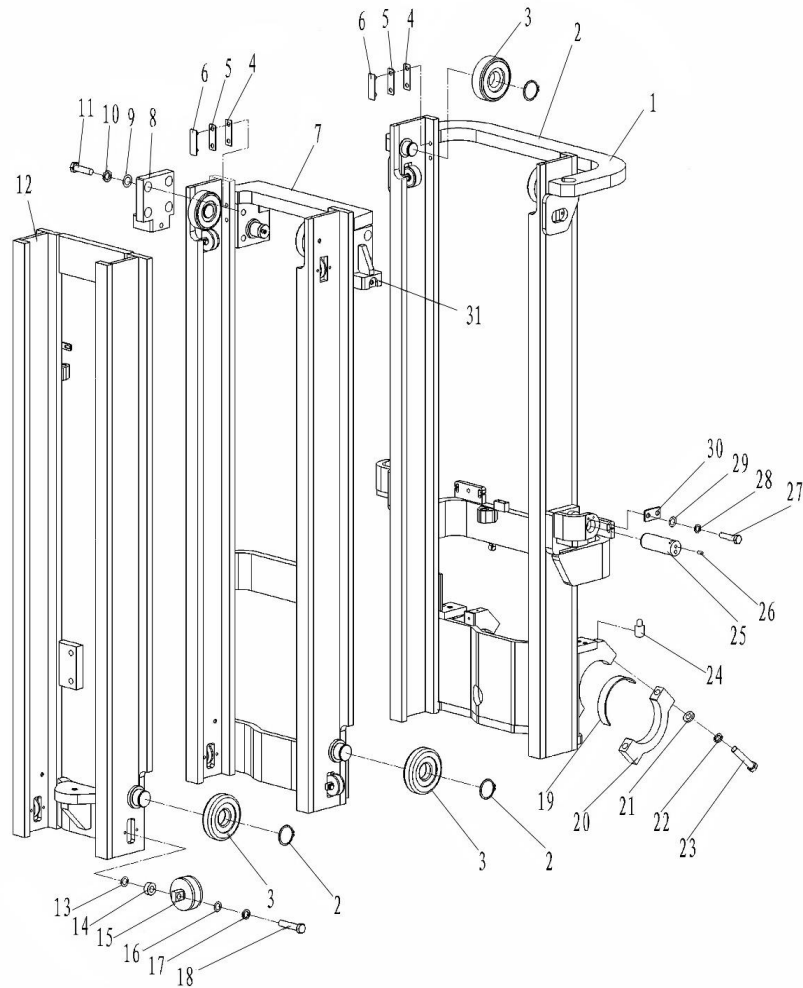


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1		M70074006000(X)	Outer mast ass'y	1	
2	69000073	GB/T894.1-Φ55	Snap spring 55	8	
3	69006385	M6048008000(X)	Main roller	8	
4	69009498	M3038000004/0.5	Adjusting shim (I)	4	
5	69009497	M3038000004/1.0	Adjusting shim (II)	4	
6	69012571	M70074000007(X)	Slipper	4	
7		M70074007000(X)	Middle mast ass'y	1	
8	69116916	M70074005000-Black	Lift cylinder bracket (right)	1	
9	69006632	GB/T93-24	Washer 24	8	
10	69006631	GB/T97.1-AJ24	Washer 24	8	
11	69048588	GB/T5786-M24*2*65	Bolt M24x2x65	8	
12		M70074008000(X)	Inner mast ass'y	1	
13	69012066	M3038000006/0.5	Adjusting washer	16	
14	69008569	M3038000005	Washer	16	
15	69001546	M6048010000	Side roller set (II)	8	
16	69000054	GB/T93-12	Washer 12	16	
17	69000251	GB/T97.1-12	Washer 12	16	
18	69000140	GB/T5786-M12*1.25*45-8.8J	Bolt M12x1.25x45	16	
19	69007930	M6048000006	Bearing liner	2	
20	69009486	M6048000007	Bearing cap	2	
21	69006935	GB/T93-22	Washer 22	4	
22	69006552	GB/T97.1-AJ22	Washer 22	4	
23	69006742	GB/T5785-M22*1.5*120	Bolt M22x1.5x120	4	
24	69136417	GB1152-79	Nipple M10x1	2	
25	69006665	M6048000001	Pin shaft (I)	2	

图22-14/Fig. 22-14

门架(三级全自由)/MAST (FULL FREE 3-STAGE MAST)

FD50-70T

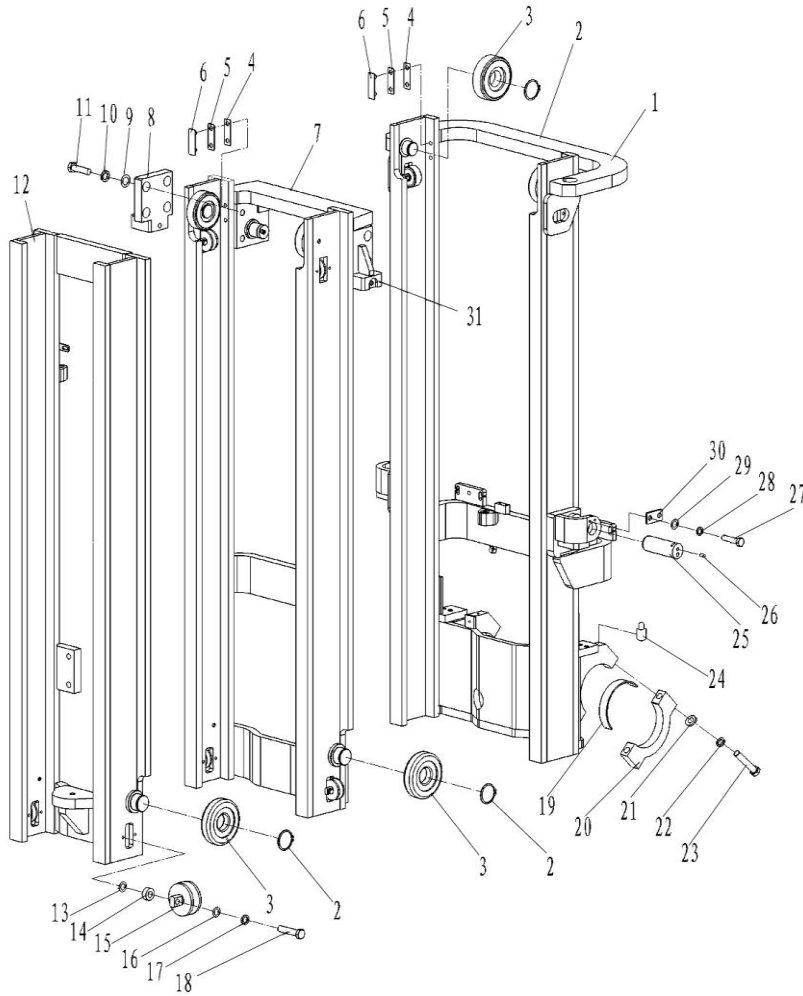


序号	物料号	代号	名称	数量	备注
em No.	ID.	Part No.	Description	Q'ty	Remark
26	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
27	69000122	GB/T5783-M10*16-8.8J	Bolt M10x15	4	
28	69000053	GB/T93-10	Washer 10	4	
29	69000250	GB/T97.1-10	Washer 10	4	
30	69007544	M6048000003	Positioning plate	2	
31	69116917	M70074009000-Black	Lift cylinder bracket (left)	1	

图22-14/ Fig. 22-14

门架(三级全自由)/MAST (FULL FREE 3-STAGE MAST)

FD50-70T

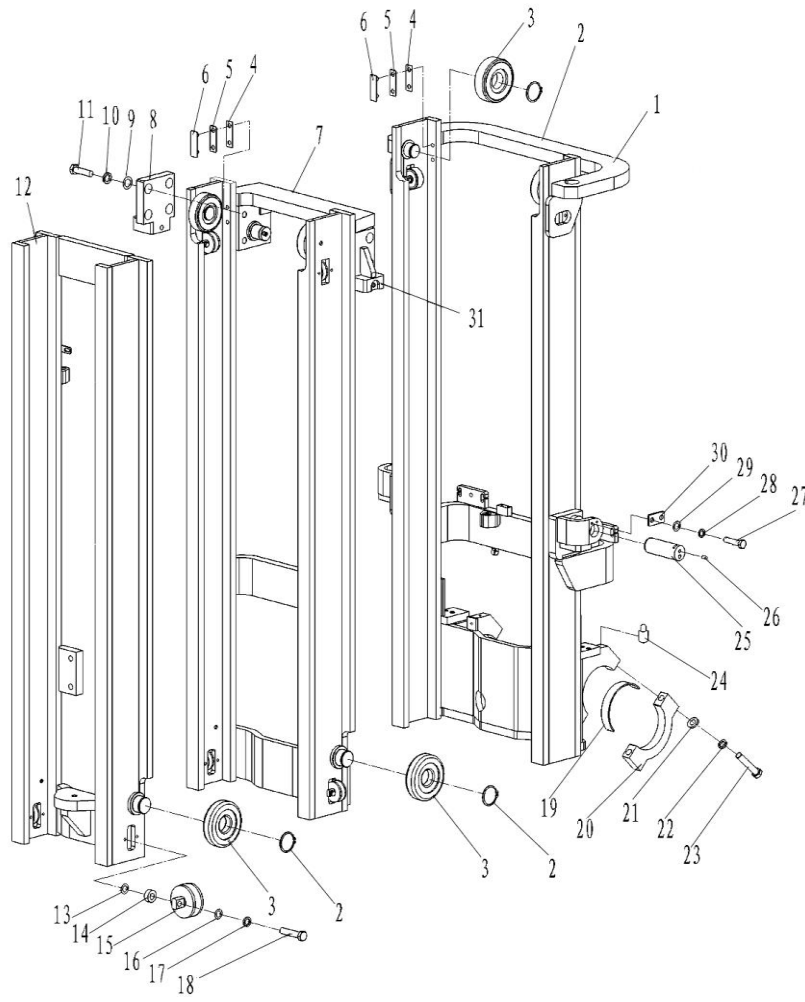


起升高度L IFTING HEIGHT	门架选用表 Mast Optional Parts			备注
	物料号 ID.	外门架总成 OUTER MAST	物料号 ID.	Remark
4000	69103083	M70074006000(X)-4.0M-Black	69103169	
4350	69103084	M70074006000(X)-4.35M-Black	69103170	
4500	69103085	M70074006000(X)-4.5M-Black	69103171	
4800	69103086	M70074006000(X)-4.8M-Black	69103172	
5000	69103087	M70074006000(X)-5.0M-Black	69103173	
5400	69103088	M70074006000(X)-5.4M-Black	69103174	
6000	69103089	M70074006000(X)-6.0M-Black	69103175	

图22-14/Fig. 22-14

门架(三级全自由)/MAST (FULL FREE 3-STAGE MAST)

FD50-70T

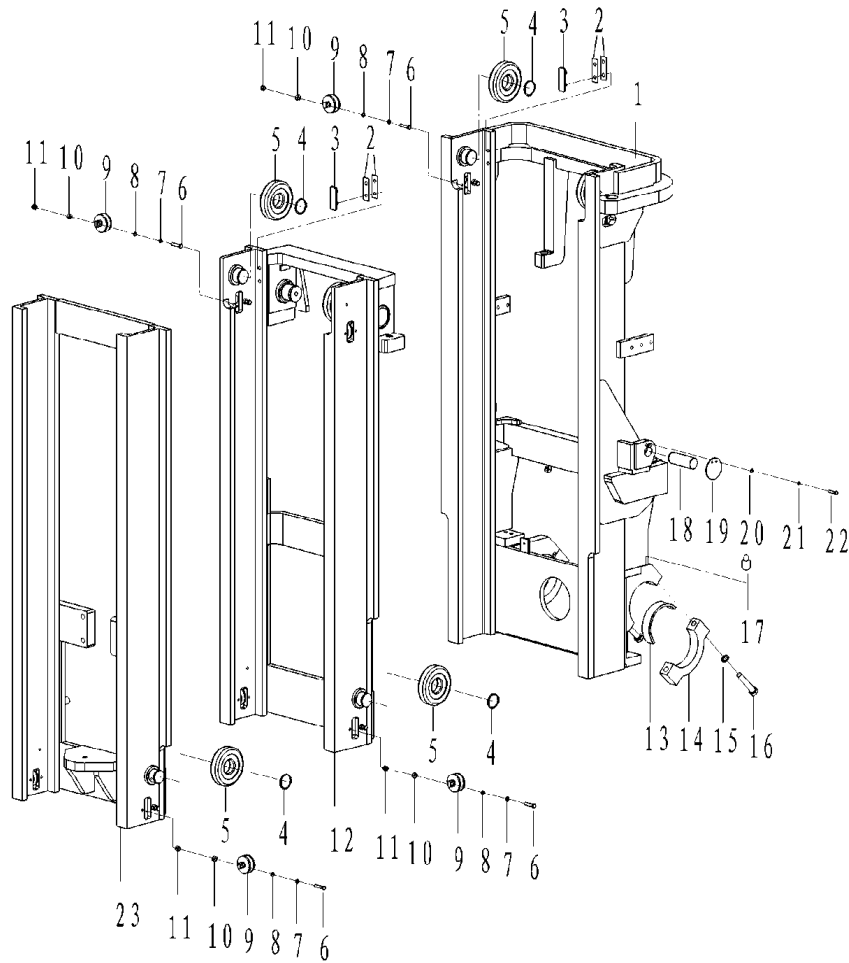


门架选用表 Mast Optional Parts				备注
起升高度L IFTING HEIGHT	物料号	内门架总成		Remark
	ID.	INNER MAST		
4000	69102829	M70074008000(X)-4.0M-Black		
4350	69102830	M70074008000(X)-4.35M-Black		
4500	69102831	M70074008000(X)-4.5M-Black		
4800	69102832	M70074008000(X)-4.8M-Black		
5000	69102833	M70074008000(X)-5.0M-Black		
5400	69102834	M70074008000(X)-5.4M-Black		
6000	69102835	M70074008000(X)-6.0M-Black		

图22-15/ Fig. 22-15

门架(三级全自由)/MAST (FULL FREE 3-STAGE MAST)

FD80-100T

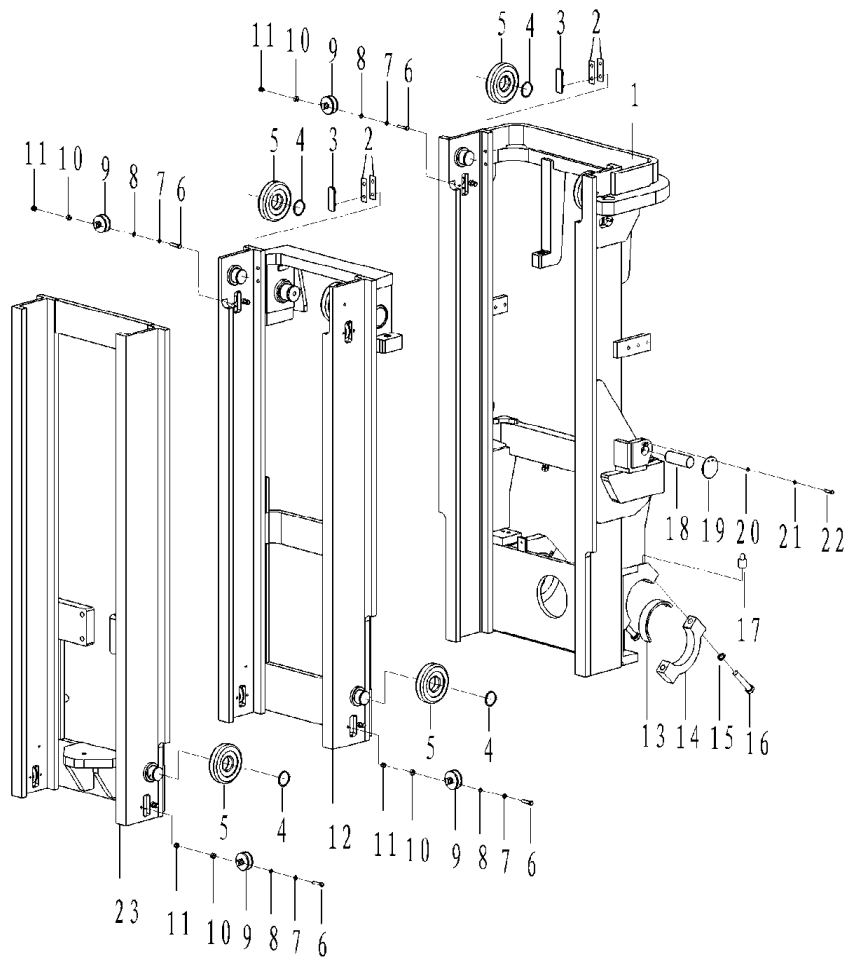


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	N/A	10A84-01000	Outer mast ass'y	1	AS NEEDED
2	69009498	M3038000004/0.5	Adjusting shim	4组	
3	69015099	M70074000007	Slipper	4	
4	69015447	GB/T894.1-Φ65	Snap spring 65	8	
5	69039776	10A80-09000X	Main roller	8	
6	69000140	GB/T5786-M12*1.25*45-8.8J	Bolt M12x1.25x45	16	
7	69000054	GB/T93-12	Washer 12	16	
8	69000251	GB/T97.1-12	Washer 12	16	
9	69001546	M6048010000	Side roller set	8	
10	69060859	M3038000005/13	Washer	16	
11	69012066	M3038000006/0.5	Adjusting washer	16	
12	N/A	10A84-02000	Middle mast ass'y	1	AS NEEDED
13	69012119	10A80-00007	Bearing liner	2	
14	69011817	10A80-00006	Bearing cap	2	
15	69006632	GB/T93-24	Washer 24	4	
16	69011768	GB/T5785-M24*2*130-8.8J	Bolt M24x2x130	4	
17	69136417	GB1152-79	Nipple M10x1	2	
18	69006665	M6048000001	Pin shaft (I)	2	
19	69007544	M6048000003	Positioning plate	2	
20	69000053	GB/T93-10	Washer 10	4	
21	69000250	GB/T97.1-10	Washer 10	4	
22	69032087	GB/T5786-M10*1.25*20-8.8J	Bolt M10x1.25x20	4	
23	N/A	10A84-03000	Inner mast ass'y	1	AS NEEDED

图22-15/ Fig. 22-15

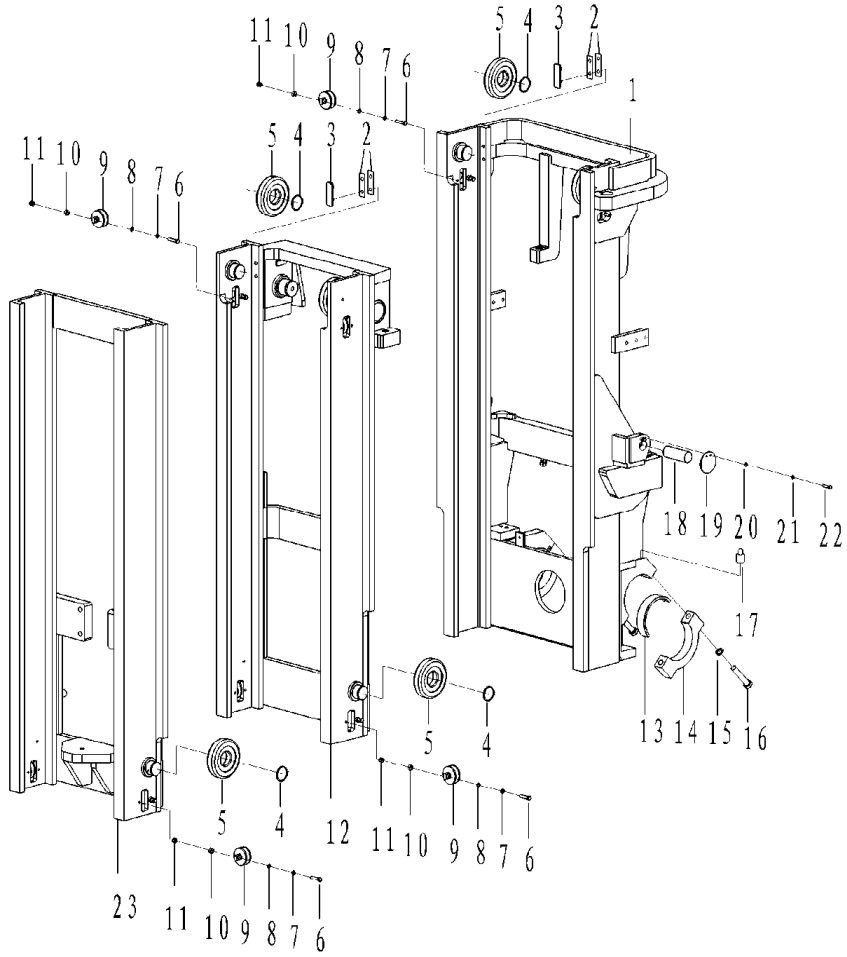
门架(三级全自由)/MAST (FULL FREE 3-STAGE MAST)

FD80-100T



门架选用表 Maxt Opitonal Parts				
门架高度L LIFTING HEIGHT	物料号 ID.	外门架总成 OUTER MAST	物料号 ID.	备注 Remark
3600	69103128	10A84-01000-3.6M-Black	69103137	
4000	69103129	10A84-01000-4.0M-Black	69103138	
4350	69103130	10A84-01000-4.35M-Black	69103139	
4500	69103131	10A84-01000-4.5M-Black	69103140	
4800	69103132	10A84-01000-4.8M-Black	69103141	
5000	69103133	10A84-01000-5.0M-Black	69103142	
5400	69103134	10A84-01000-5.4M-Black	69103143	
6000	69103135	10A84-01000-6.0M-Black	69103144	

FD80-100T

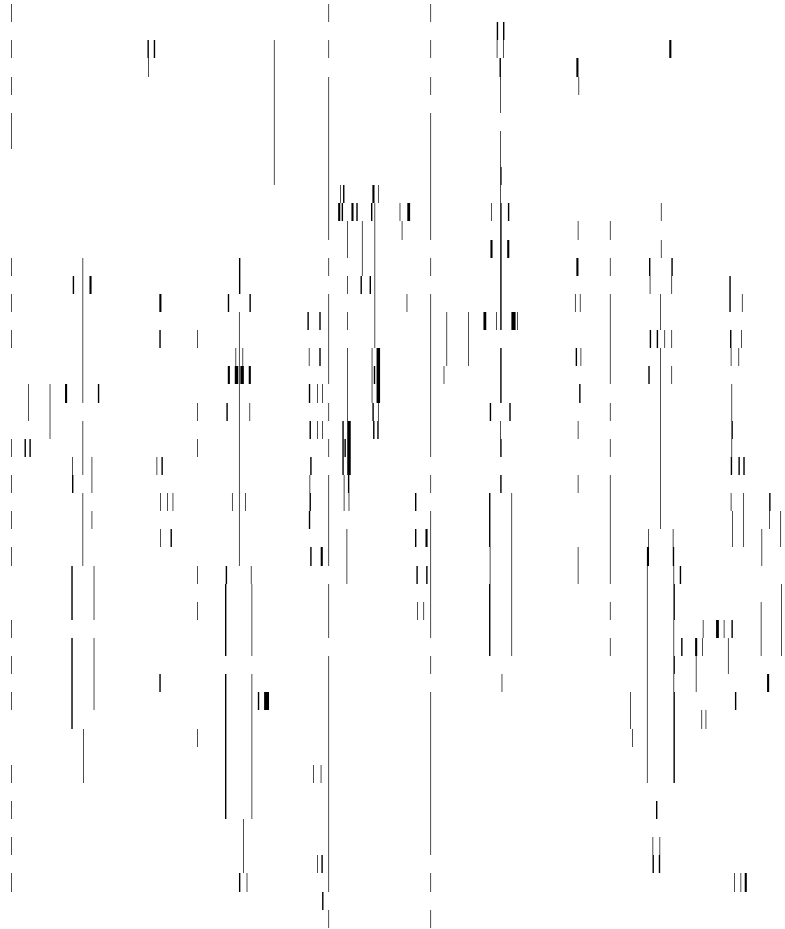


门架选用表 Mast Optional Parts				备注
门架高度LIFTING HEIGHT	物料号 ID.	内门架总成 INNER MAST		Remark
3600	69102687	10A84-03000-3.6M-Black		
4000	69102688	10A84-03000-4.0M-Black		
4350	69102689	10A84-03000-4.35M-Black		
4500	69102690	10A84-03000-4.5M-Black		
4800	69102691	10A84-03000-4.8M-Black		
5000	69102692	10A84-03000-5.0M-Black		
5400	69102693	10A84-03000-5.4M-Black		
6000	69102694	10A84-03000-6.0M-Black		

图23-1/ Fig. 23-1

起升油缸（基本型）/ LIFT CYLINDER (NORMAL MAST)

FD50-70T

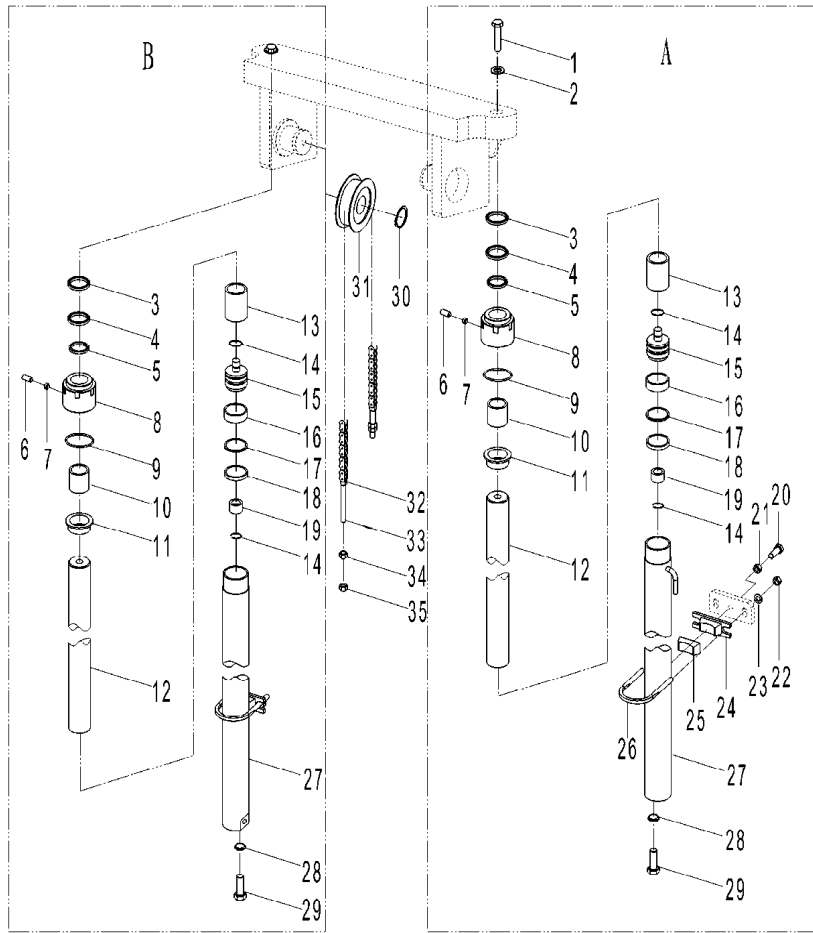


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	M6048014000	Lift cylinder(left)	1	5t
-	N/A	M7048007000	Lift cylinder(left)	1	7t
B	N/A	M6048013000	Lift cylinder(right)	1	5t
-	N/A	M7048006000	Lift cylinder(right)	1	7t
1	69046278	GB/T5785-M30*2*70-8.8J	Bolt M30x2x70	2	
2	69012577	M6048000008	Adjusting pad	2	
3		LS23258	Dust-proof seal 60x68x5/6.5	2	
4	69135662	MJ20384-03006	Snap spring φ70×φ60×3	2	
5	69135664	MJ20384-03008	Packing 60x70x6	2	
6	69137568	GB/T80-M8*10	Screw M8x8	2	
7	69135454	A30480-06014	Nylon pad φ6x3	2	
8	N/A	M502J01A-7A	Cylinder cap	2	
9	69022538	GB/T3452.1-90*3.55	O-ring 90x3.55	2	
10	69135667	MJ20384-03011	Bush bearing 60x65x40	2	
11	N/A	M502J01A-2A	Bushing	2	
12	N/A	M502J01-1	Piston rod	2	5t NSS
-	N/A	M702J01-1	Piston rod	2	7t NSS
13	N/A	M502J01-3	Sleeve	按需	
14	N/A	M502J01-6	Snap spring	4	
15	N/A	M502J01A-4	Piston	2	
16	N/A	M502J01A-001	Bearing ring D80x20x2.5	2	
17	N/A	M502J01A-002	Snap spring φ80×φ70×6	2	
18	69135420	A30480-05011	Packing 80x70x6	2	
19	N/A	M502J01A-5	Sleeve	2	
20	69000165	GB/T5786-M16*1.5*45-8.8J	Bolt M16x1.5x45	2	

图23-1/ Fig. 23-1

起升油缸 (基本型) / LIFT CYLINDER (NORMAL MAST)

FD50-70T

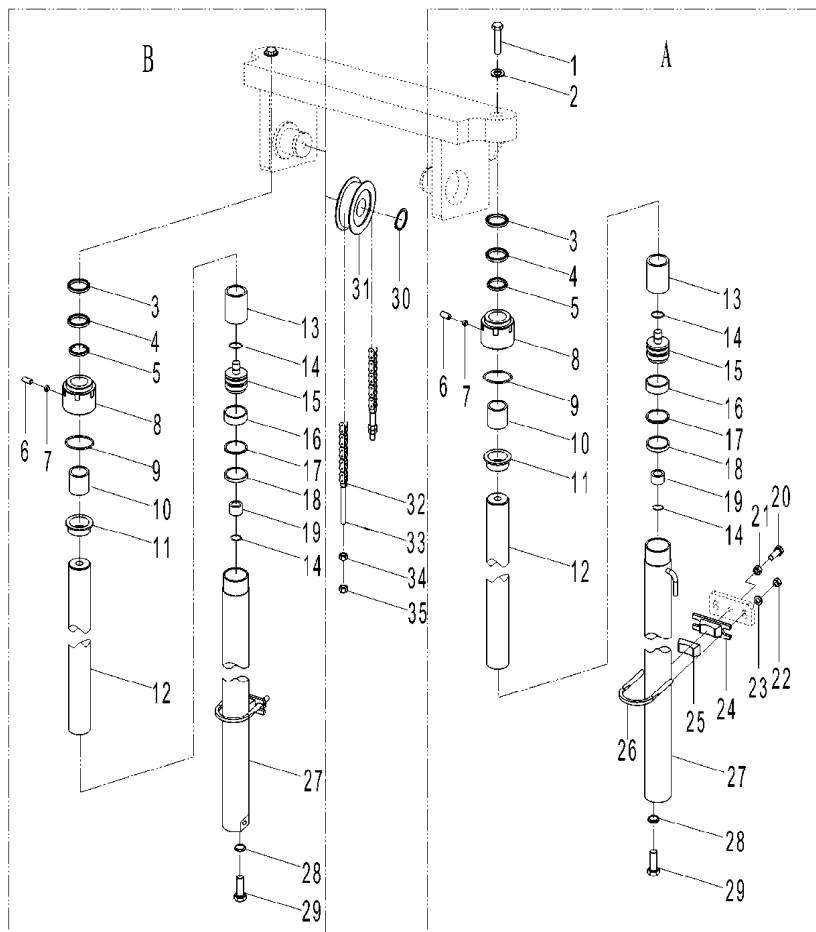


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
21	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	2	
22	69000314	GB/T6171-M12*1.25-8J	Nut M12x1.25	4	
23	69000251	GB/T97.1-12	Washer 12	4	
24	69007501	M6048000016	Hoop seat	2	
25	69020206	M6048000015	Rubber pad	2	
26	69006171	M6048000014	Hoop	2	
27	N/A	M502J01A-100A	Cylinder body	2	5t NSS
-	N/A	M702J01A-100A	Cylinder body	2	7t NSS
28	69000253	GB/T97.1-16	Washer 16	2	
29	69006734	BLX00290	Bolt M16x1.5	2	
30	69000073	GB/T894.1-Φ55	Snap spring 55	2	
31	69006387	M6048009000	Chain roller	2	
32	N/A	M6048004000(X)	Chain	2	5t AS NEEDED
-	N/A	M7048003000(X)	Chain	2	7t AS NEEDED
33	69039970	GB/T91-4*25	Pin 4x26	4	
34	69008763	GB/T6171-M24*2-8J	Nut M24x2	4	
35	N/A	M6048004001	Nut M24x2	4	

图23-1/Fig. 23-1

基本型起升油缸选用表/LIFT CYLINDER OPTION TABLE

FD50-70T

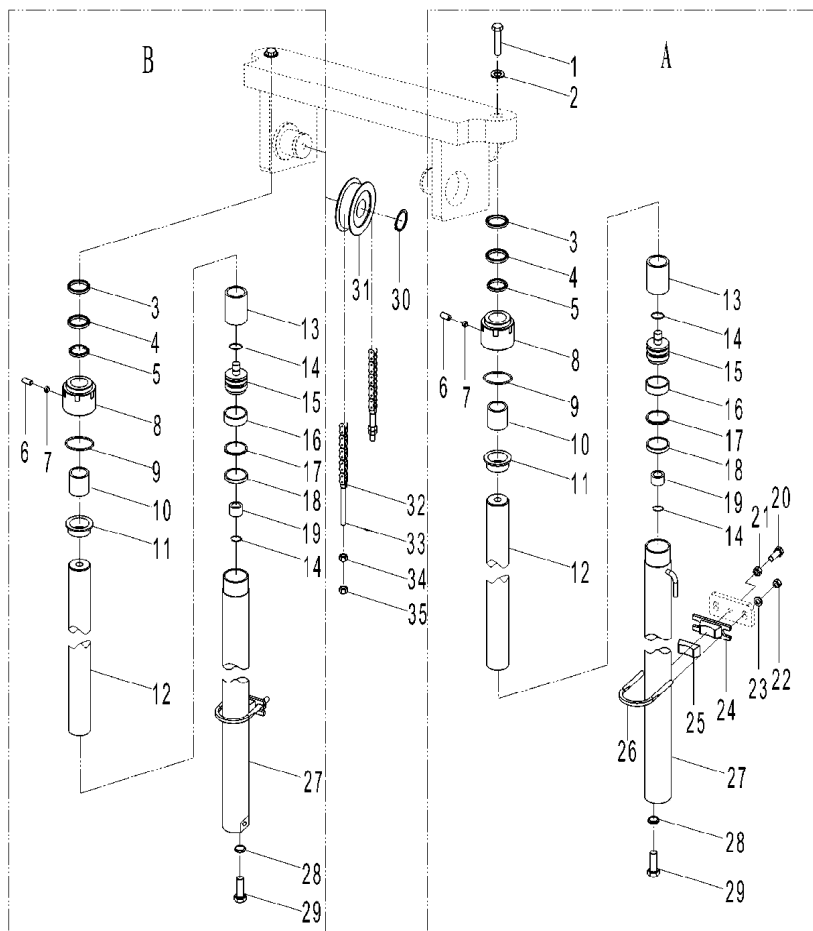


起升油缸选用表 Lift Cylinder Opitonal Parts				备注
起升高度LIFTING HEIGHT	物料号	左起升油缸	物料号	Remark
	ID.	Lift cylinder L. H.	ID.	
2500	69050439	M6048014000-2.5M	69103518	5t
2700	69126889	M6048014000-2.7M	69126888	
3000	69006773	M6048014000-3.0M	69102430	Standard/标准
3300	69010161	M6048014000-3.3M	69102708	
3500	69011723	M6048014000-3.5M	69102877	
4000	69006768	M6048014000-4.0M	69102429	
4500	69006774	M6048014000-4.5M	69102431	
5000	69009374	M6048014000-5.0M	69102501	
5500	69050448	M6048014000-5.5M	69103522	
6000	69050449	M6048014000-6.0M	69103523	

图23-1/Fig. 23-1

基本型起升油缸选用表/LIFT CYLINDER OPTION TABLE

FD50-70T



起升油缸选用表 Lift Cylinder Optional Parts				备注
起升高度L IFTING HEIGHT	物料号 ID.	链条总成 Chain Ass'y		Remark
2500	69120625	M6048004000(X)-2.5		
2700	69127422	M6048004000(X)-2.7		
3000	69120626	M6048004000(X)-3.0		Standard/标准
3300	69120628	M6048004000(X)-3.3		
3500	69120629	M6048004000(X)-3.5		
4000	69120631	M6048004000(X)-4.0		
4500	69120633	M6048004000(X)-4.5		
5000	69120635	M6048004000(X)-5.0		
5500	69120636	M6048004000(X)-5.5		
6000	69120637	M6048004000(X)-6.0		

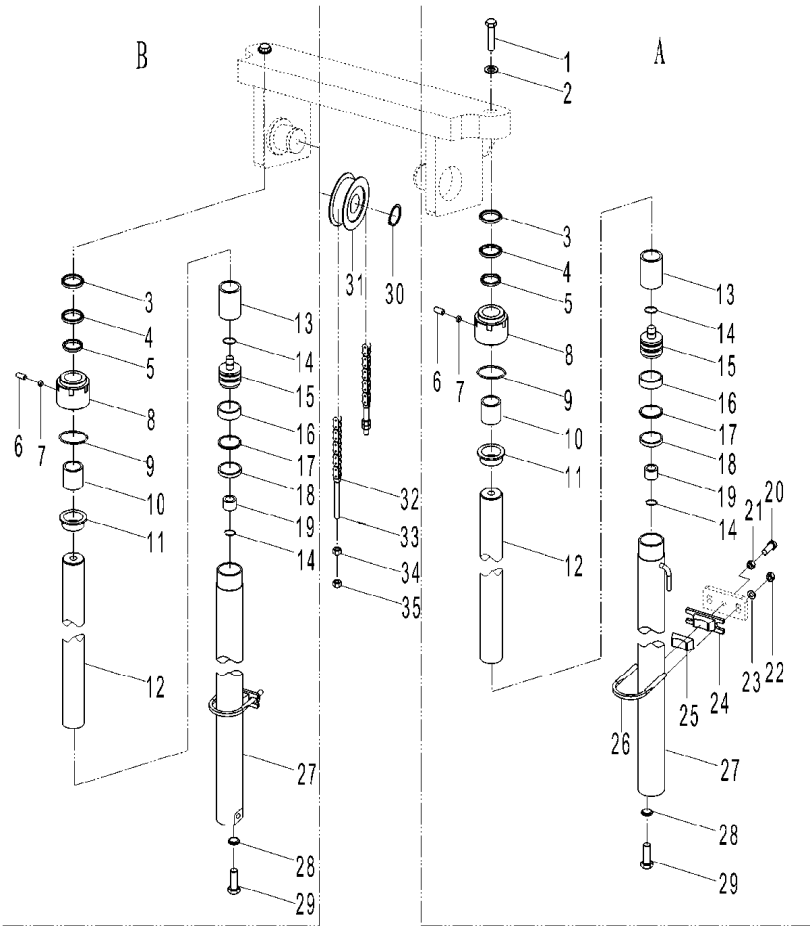
FD50-70T

起升油缸选用表 Lift Cylinder Opitonal Parts				备注
起升高度LIFTING HEIGHT	物料号	左起升油缸	物料号	Remark
	ID.	Lift cylinder L.H.	ID.	
2500	69105154	M7048007000-2.5M	69105152	
2700	69105153	M7048007000-2.7M	69105151	
3000	69006776	M7048007000-3.0M	69102432	Standard/标准
3300	69027037	M7048007000-3.3M	69103562	
3500	69017995	M7048007000-3.5M	69103560	
4000	69007779	M7048007000-4.0M	69102447	
4500	69008654	M7048007000-4.5M	69102449	
5000	69009845	M7048007000-5.0M	69102548	
5500	69011721	M7048007000-5.5M	69102873	
6000	69007272	M7048007000-6.0M	69102435	

图23-1/Fig. 23-1

基本型起升油缸选用表/LIFT CYLINDER OPTION TABLE

FD50-70T

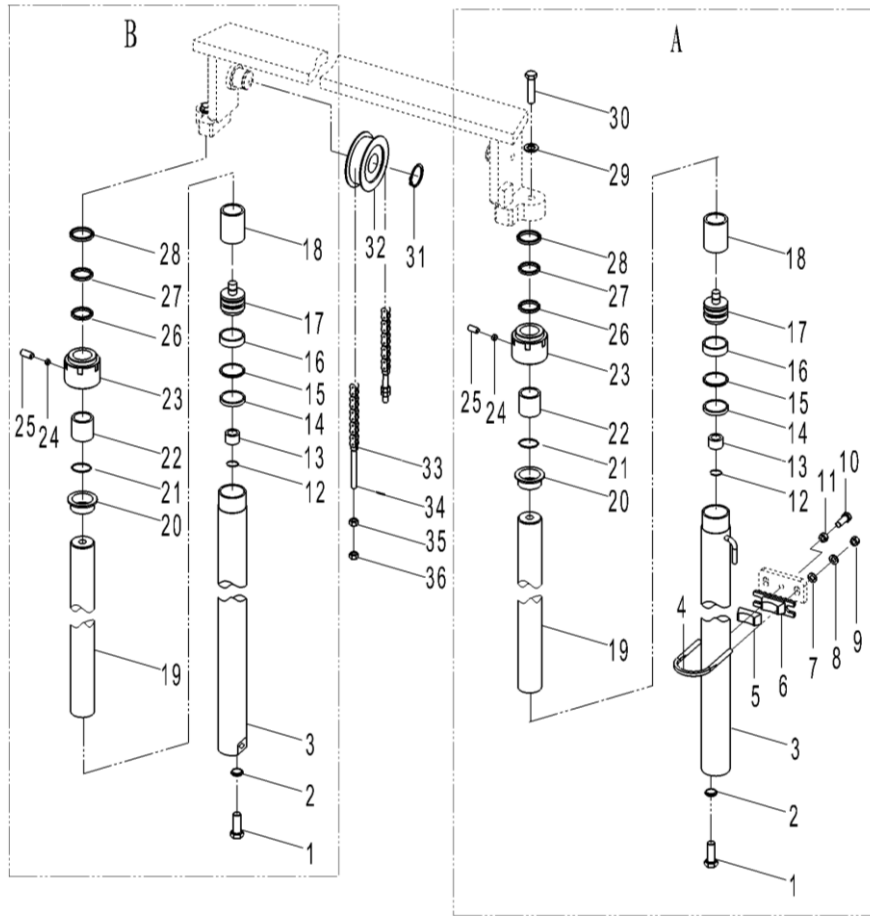


起升油缸选用表 Lift Cylinder Optional Parts				备注
起升高度L IFTING HEIGHT	物料号	链条总成		Remark
	ID.	Chain Ass'y		
2500	69120578	M7048003000(X)-2.5		
2700	69120579	M7048003000(X)-2.7		
3000	69120580	M7048003000(X)-3.0		Standard/标准
3300	69120581	M7048003000(X)-3.3		
3500	69120582	M7048003000(X)-3.5		
4000	69120587	M7048003000(X)-4.0		
4500	69120583	M7048003000(X)-4.5		
5000	69120585	M7048003000(X)-5.0		
5500	69120584	M7048003000(X)-5.5		
6000	69120586	M7048003000(X)-6.0		

图23-2/ Fig. 23-2

起升油缸 (基本型) / LIFT CYLINDER (NORMAL MAST)

FD80-100T

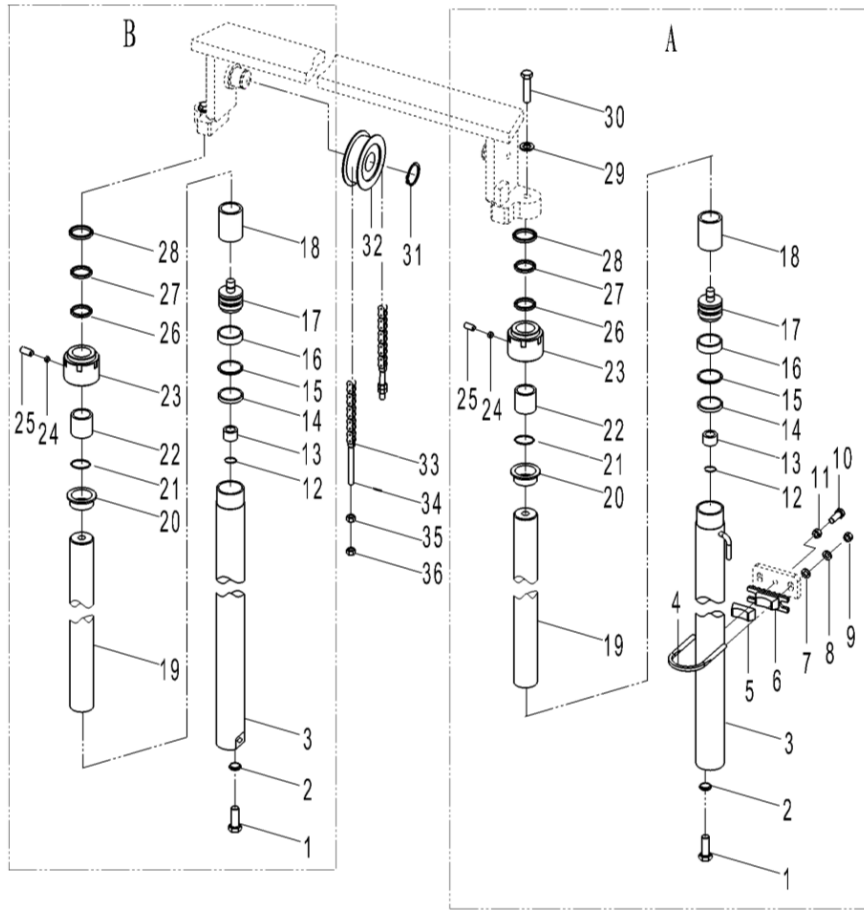


序号	物料号	代号	名称	数量	备注
No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	10A80-13000	Lift cylinder(right)	2	
1	69012259	10A80-00008	Bolt	2	
2	69000056	GB/T93-16	Washer 16	2	
3	N/A	M1002J01-100A	Cylinder body	2	NSS
4	69012365	10A80-00001	U-bolt	2	
5	69012363	10A80-00002	Rubber pad	2	
6	69015093	10A80-00004	Rubber pad	2	
7	69000251	GB/T97.1-12	Washer 12	4	
8	69000054	GB/T93-12	Washer 12	4	
9	69000315	GB/T6171-M12*1.5-8J	Nut M12x1.5	4	
0	69000166	GB/T5786-M16*1.5*50-8.8J	Bolt M16x1.5x50	2	
1	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	2	
2	N/A	M802J01-6	Snap spring	2	
3	N/A	M802J01A-5	Sleeve	2	
4	N/A	Max302J05A-001	Snap spring φ100×φ85×3	2	
5	N/A	OSI 100	Packing 100x85x9	2	
6	N/A	M1002J01-001	Bearing ring D100x20x3	2	
7	N/A	M1002J01-4	Piston	2	
8	N/A	M802J01-3	Sleeve	2	
9	N/A	M1002J01-1	Piston rod	2	NSS
10	69064256	M1002J01-2	Bushing	2	
11	69142230	GB/T1235-115*3.5	O-ring 115x3.1	2	
12	N/A	SF-1 70	Bush bearing 70x75x40	2	
23	N/A	M1002J01-3	Cylinder cap	2	
24	69135454	A30480-06014	Nylon pad φ6×3	2	

图23-2/Fig. 23-2

起升油缸 (基本型) / LIFT CYLINDER (NORMAL MAST)

FD80-100T

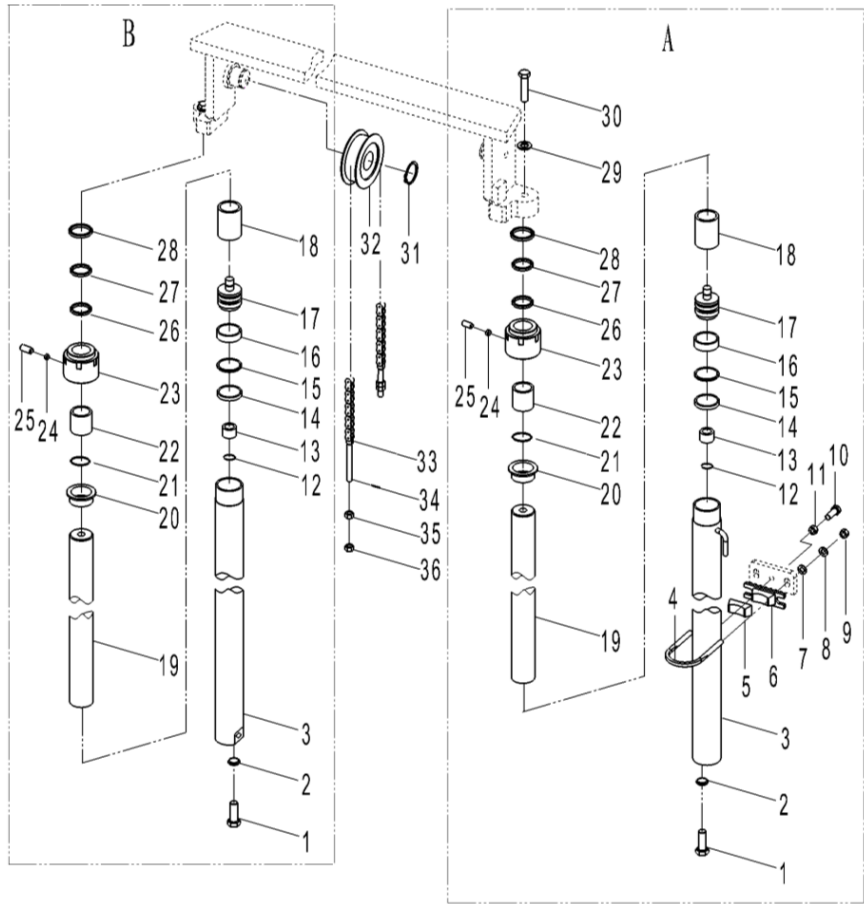


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69137568	GB/T80-M8*10	Screw M8×10	2	
26	69135709	MJ30384-03008	Packing 70×80×6	2	
27	69135707	MJ30384-03006	Snap spring $\phi 70 \times \phi 80 \times 3$	2	
28	69137590	M15043008001	Dust-proof seal 70×80×6/8	2	
29	69000058	GB/T93-30	Washer 30	2	
30	69006242	GB/T5786-M30*2*80-8.8J	Bolt M30×2×80	2	
31	69011909	GB/T894.1- $\Phi 75$	Snap spring 75	2	
32	69011720	10A80-12000	Chain roller	2	
33	69119477	10A80-03000-3.0	Chain LH2844	2	
34	69109605	GB/T91-2000	Pin4×60	2	
35	69109601	GB/T6171-2000	Nut M33×2	2	
36	N/A	10A80-03001	Nut M33×2	2	

图23-2/ Fig. 23-2

基本型起升油缸选用表/LIFT CYLINDER OPTION TABLE

FD80-100T

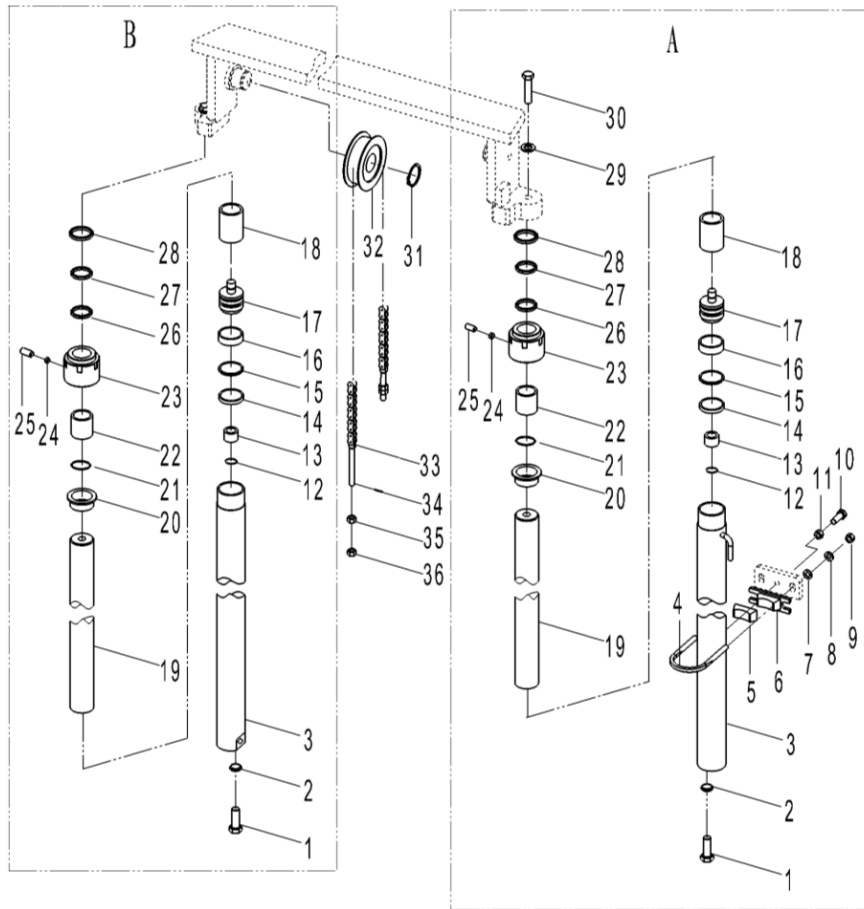


起升油缸选用表 Lift Cylinder Optional Parts				备注
起升高度LIFTING HEIGHT	物料号	起升油缸	物料号	Remark
	ID.	Lift cylinder	ID.	
700	69050128	10A80-13000-1.7M	69119473	
1300	69049495	10A80-13000-2.3M	69119475	
1700	69049497	10A80-13000-2.7M	69119476	
3000	69011789	10A80-13000-3.0M	69119477	Standard/标准
3300	69024944	10A80-13000-3.3M	69119478	
3500	69024754	10A80-13000-3.5M	69119479	
3750	69049505	10A80-13000-3.75M	69119480	
4000	69012710	10A80-13000-4.0M	69119481	
4250	69049509	10A80-13000-4.25M	69119482	
4500	69017634	10A80-13000-4.5M	69119483	
4750	69049514	10A80-13000-4.75M	69119484	
5000	69049515	10A80-13000-5.0M	69119485	
5500	69043279	10A80-13000-5.5M	69119486	
6000	69024271	10A80-13000-6.0M	69119487	

图23-3/ Fig. 23-3

起升油缸（基本型）/ LIFT CYLINDER (NORMAL MAST)

FD120T

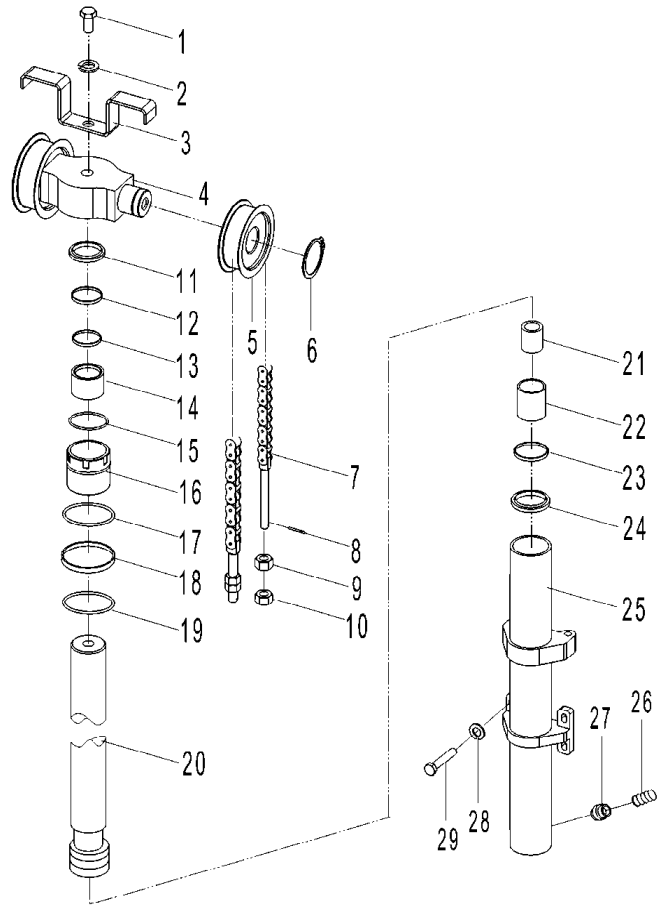


序号	物料号	代号	名称	数量	备注
n No.	ID.	Part No.	Description	Q'ty	Remark
A	69040984	12A80X-08000-3.0M	Lift cylinder(right)	2	
1	69012119	10A80-00007	Bolt	2	
2	69000056	GB/T93-16	Washer 16	2	
3	N/A	M1002J01-100A	Cylinder body	2	NSS
4	69040960	12A80X-00001	U-bolt	2	
5	69040961	12A80X-00002	Rubber pad	2	
6	69040962	12A80X-00003	Rubber pad	2	
7	69000252	GB/T97.1-14	Washer 14	4	
8	69005111	GB/T93-14	Washer 14	4	
9	69000316	GB/T6171-M14*1.5-8J	Nut M14x1.5	4	
10	69000166	GB/T5786-M16*1.5*50-8.8J	Bolt M16x1.5x50	2	
11	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	2	
12	N/A	M802J01-6	Snap spring	2	
13	N/A	M802J01A-5	Sleeve	2	
14	N/A	M452J05-001	Snap spring φ105×φ90×3	2	
15	N/A	OSI 105	Packing 105×90×9	2	
16	N/A	M802J01A-001	Bearing ring D105×15×3	2	
17	N/A	M1202J01-4	Piston	2	
18	N/A	M802J01-3	Sleeve	2	
19	N/A	M1202J01-1	Piston rod	2	NSS
20	N/A	M1202J01-2	Bushing	2	
21	69142365	GB1235-125*3.1	O-ring 125x3.1	2	
22	N/A	SF-1 70	Bush bearing 70x75x40	2	
23	N/A	M1202J01-3	Cylinder cap	2	
24	69135454	A30480-06014	Nylon pad φ6×3	2	

图23-4/ Fig. 23-4

前起升油缸（二级全自由型）/FRONT LIFT CYLINDER (FULL FREE 2-STAGE MAST)

FD50-70T

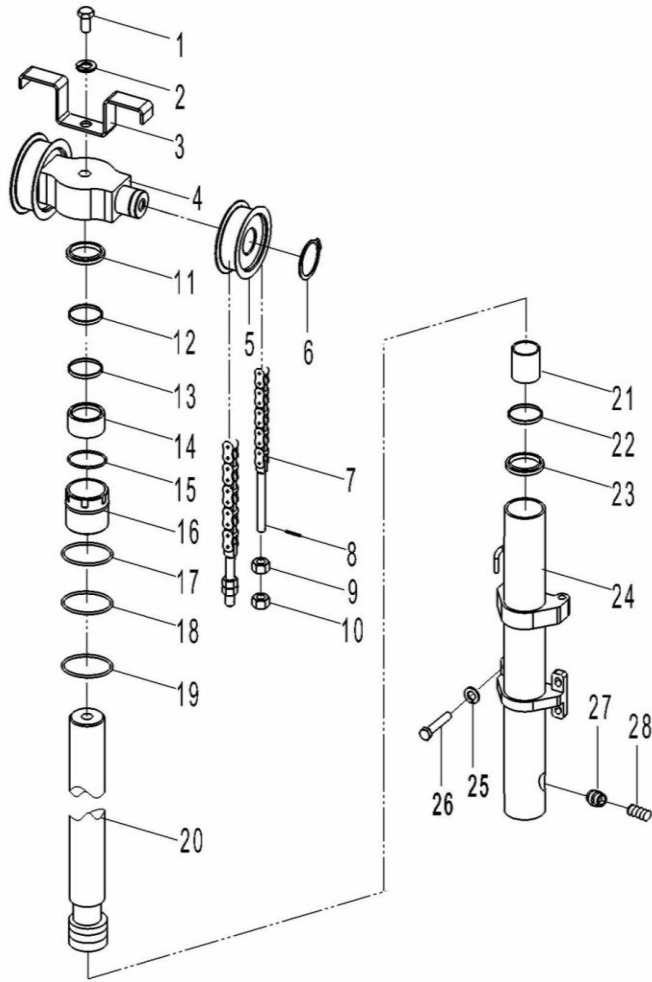


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	70482-07000	Middle cylinder	1	
1	69026733	GB/T5786-M30*2*90	Bolt M30x2x90	1	
2	69000058	GB/T93-30	Washer 30	1	
3	69116913	M70074000001-Black	Chain Hose hoop	1	
4	69116915	M70074000002-Black	Roller seat	1	
5	69006387	M6048009000	Chain roller	2	
6	69000073	GB/T894.1-Φ55	Snap spring 55	2	
7	N/A	70482-03000	Chain	2	AS NEEDED
8	69039970	GB/T91-4*25	Pin 4x26	4	
9	69008763	GB/T6171-M24*2-8J	Nut M24x2	4	
10	N/A	M6048004001	Nut M24x2	4	
11	N/A	LBH 100	Dust-proof seal100x110x6/8	1	
12	N/A	M702J05-001	Snap spring φ100×φ115×3	1	
13	N/A	ISI 100	Packing100x115x9	1	
14	N/A	SF-1 100	Bush bearing 100x105x50	1	
15	N/A	GB/T895.1-86	Snap spring D=105	1	
16	N/A	M703J03-1	Cylinder cap	1	
17	69002384	LS2384	O-ring150x3.1	1	
18	N/A	M702J05-002	Snap spring Φ145×Φ140.5×1.5	1	
19	69136507	GB1235-76-145*3.1	O-ring145x3.1	1	
20	N/A	M702J05-100	Piston rod ass'y	1	NSS
21	N/A	M702J05-01	Sleeve	按需	
22	N/A	M702J05-003	Bearing ring D145x25x5	1	
23	N/A	M702J05-004	Snap spring Φ145×Φ125×3	1	
24	N/A	UPI 125	Packing 125x145x15	1	

图23-5/ Fig. 23-5

前起升油缸 (二级全自由型) / FRONT LIFT CYLINDER (FULL FREE 2-STAGE MAST)

FD80-100T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	10A82-09000	Middle cylinder	1	
1	N/A	GB/T5785-2000	Bolt M30x2x100	1	
2	69000058	GB/T93-30	Washer 30	1	
3	69130834	10A82-00001-Black	Chain Hose hoop	1	
4	69117053	10A82-00002-Black	Roller seat	1	
5	69014901	10A82-03000	Chain roller	2	
6	69011909	GB/T894.1-Φ75	Snap spring 75	2	
7	69119429	10A82-04000-3.0	Chain LH2844	2	
8	69109605	GB/T91-2000	Pin4x60	4	
9	69109601	GB/T6171-2000	Nut M33x2	4	
10	N/A	10A80-03001	Nut M33x2	4	
11	N/A	LBH 120	Dust-proof seal120X133X7/9.5	1	
12	N/A	ISI 120	Packing120x135x9	1	
13	N/A	M1002J05-001	Snap spring φ120×φ135×3	1	
14	N/A	SF-1 120	Bush bearing 120x125x60	1	
15	N/A	GB/T895.1-86	Snap spring	1	
16	N/A	M1002J05-1	Cylinder cap	1	
17	69135118	GB1235-76	O-ring 165x3.1	1	
18	N/A	M1002J05-002	Snap spring φ160×φ155×1.5	1	
19	69135118	GB1235-76	O-ring 160x3.1	1	
20	N/A	M1002J05-100	Piston rod	1	NSS
21	N/A	M1002J05-003	Bearing ring D160x35x5	1	
22	N/A	OSI 160	Packing 160x145x9	1	
23	N/A	M1002J05-004	Snap spring φ160×φ145×3	1	
24	N/A	M1002J05-200	Cylinder body	1	NSS

图23-6/ Fig. 23-6

前起升油缸（二级全自由型）/FRONT LIFT CYLINDER (FULL FREE 2-STAGE MAST)

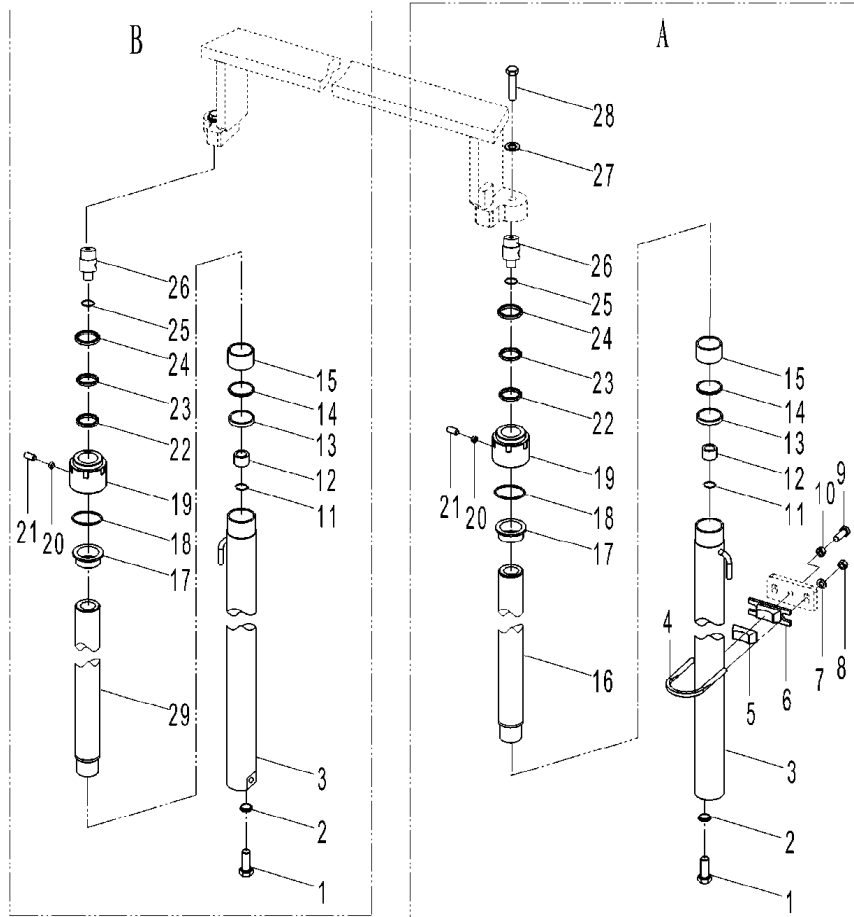
FD50-70T

序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	70482-06000	Lift cylinder(left)	1	
B	N/A	70482-05000	Lift cylinder(right)	1	
1	69025479	70482-00001	Bolt M12x1.25	2	
2	69000251	GB/T97.1-12	Washer 12	2	
3	N/A	M702J03-100	Cylinder body	2	NSS
4	69012573	70482-00002	Hoop	2	
5	69020206	M6048000015	Rubber pad	2	
6	69009529	M4548000005	Hoop seat	2	
7	69000251	GB/T97.1-12	Washer 12	4	
8	69000314	GB/T6171-M12*1.25-8J	Nut M12x1.25	4	
9	69000165	GB/T5786-M16*1.5*45-8.8J	Bolt M16x1.5x45	2	
10	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	2	
11	69133213	M452J01-5	Snap spring $\phi 38 \times 2.5$	2	
12		D5A000-15E01-5	Sleeve	2	
13	69135507	A35480-04011	Packing 63x53x6	2	
14		LS20041	Snap spring $\phi 63 \times \phi 53 \times 6$	2	
15	69135505	A35480-04009	Bearing ring D63x20x2.5	2	
16	N/A	M702J03-02	Sleeve $\phi 50 \times 100$	按需	
17	N/A	M702J03-200	Piston rod(left)	1	NSS
18	69135500	A35480-04004	Bushing	2	
19	69021244	LS21244	Bush bearing 50x55x40	2	
20	69136718	GB1235-76-75x*3.1	O-ring $\phi 75 \times 3.1$	2	
21	69135481	A35480-04001	Cylinder cap	2	
22	69135454	A30480-06014	Nylon pad $\phi 6 \times 3$	2	
23	69094109	GB/T73-1985	Screw M8x6	2	

图23-7/ Fig. 23-7

起升油缸（二级全自由型）/ LIFT CYLINDER (FULL FREE 2-STAGE MAST)

FD80-100T



序号	物料号	代号	名称	数量	备注
m No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	10A82-06000	Lift cylinder(right)	1	
B	N/A	10A82-07000	Lift cylinder(left)	1	
1	69025479	70482-00001	Bolt M12x1.25	2	
2	69000054	GB/T93-12	Washer 12	2	
3	NA	M1002J03-200	Cylinder body	2	
4		10A82-00003	Hoop	2	
5		10A82-00004	Rubber pad	2	
6		10A82-00005	Hoop seat	2	
7	69000314	GB/T6171-M12*1.25-8J	Nut M12x1.25	2	
8	69000251	GB/T97.1-12	Washer 12	4	
9	69038249	GB/T5786-M16*1.5*55-8.8J	Bolt M16x1.5x55	2	
10	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	2	
11	N/A	M502J01-6	Snap spring	2	
12	N/A	M502J01A-5	Sleeve	2	
13	69135348	A20480-04008	Packing 70x60x6	2	
14	69135662	MJ20384-03006	Snap spring φ70×φ60×3	2	
15	N/A	M453J01-001	Bearing ring D70x20x2.5	2	
16	N/A	M1002J04-100	Piston rod ass'y(right)	1	NSS
17	N/A	M1002J03-02	Bushing	2	
18	69023228	LS23228	O-ring φ85×3.1	2	
19	N/A	M1002J03-03	Cylinder cap	2	
20	69135454	A30480-06014	Nylon pad φ6×3	2	
21	69008637	GB/T77-M8*8-12.9J	Screw M8x8	2	
22	N/A	ISI 63	Packing 63x73x6	2	
23	N/A	M1002J03-001	Snap spring φ73×φ63×3	2	

图23-8/ Fig. 23-8

前起升油缸（三级全自由型）/FRONT LIFT CYLINDER (FULL FREE 3-STAGE MAST)

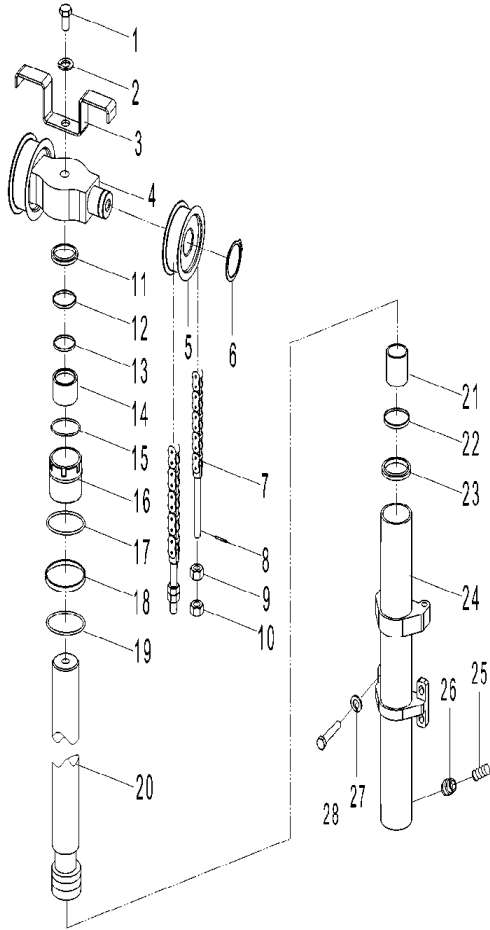
FD50-70T

序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	S60484-01000A	Middle cylinder	1	
1	69026733	GB/T5786-M30*2*90	Bolt M30x2x90	1	
2	69000058	GB/T93-30	Washer 30	1	
3	69116913	M70074000001-Black	Chain Hose hoop	1	
4	69116915	M70074000002-Black	Roller seat	1	
5	69006387	M6048009000	Chain roller	2	
6	69000073	GB/T894.1-Φ55	Snap spring 55	2	
7	N/A	M70074001000	Chain ass'y (I)	2	AS NEEDED
8		GB/T91-3.2*18	Pin 3.2x18	4	
9	N/A	M70074001001	Nut M24x2	4	
10	69008763	GB/T6171-M24*2-8J	Nut M24x2	4	
11	N/A	LBH 100	Dust-proof seal 100x110x6/8	1	
12	N/A	M702J05-001	Snap spring Φ100×Φ115×3	1	
13	N/A	ISI 100	Packing 100x115x9	1	
14	N/A	SF-1 100	Bush bearing 100x105x50	1	
15	N/A	GB/T895.1-86	Snap spring D=105	1	
16	N/A	M503J03-1	Cylinder cap	按需	
17	69135118	GB1235-76	O-ring 135x3.1	1	
18	N/A	M503J03-001	Snap spring Φ130×Φ125.5×1.5	1	
19	69135118	GB1235-76	O-ring 130x3.1	1	
20	N/A	M503J03-100	Piston rod ass'y	1	NSS
21	N/A	M503J03-002	Bearing ring D130x30x5	1	
22	N/A	M503J03-003	Snap spring Φ130×Φ115×3	1	
23	N/A	OSI 130	Packing 130x115x9	1	
24	N/A	M503J03-200	Cylinder body	1	NSS

图23-8/ Fig. 23-8

前起升油缸（三级全自由型）/ FRONT LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD50-70T

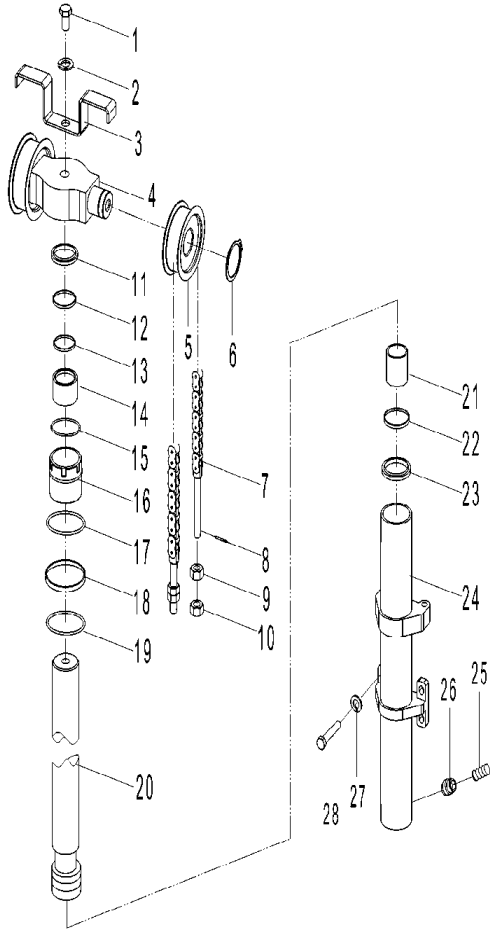


前起升油缸 Front Lift Cylinder Optional Parts				备注
起升高度LIFTING HEIGHT	物料号	5t前起升油缸 Lift cylinder	物料号	Remark
	ID.		ID.	
4000	69082628	S60484-01000A-4.0M	69116918	Standard/标准
4350	69082629	S60484-01000A-4.35M	69116921	
4500	69082630	S60484-01000A-4.5M	69116922	
4800	69082634	S60484-01000A-4.8M	69116925	
5000	69082635	S60484-01000A-5.0M	69116926	
5400	69082636	S60484-01000A-5.4M	69116929	
6000	69082637	S60484-01000A-6.0M	69116930	

图23-8/ Fig. 23-8

前起升油缸 (三级全自由型) / FRONT LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD50-70T

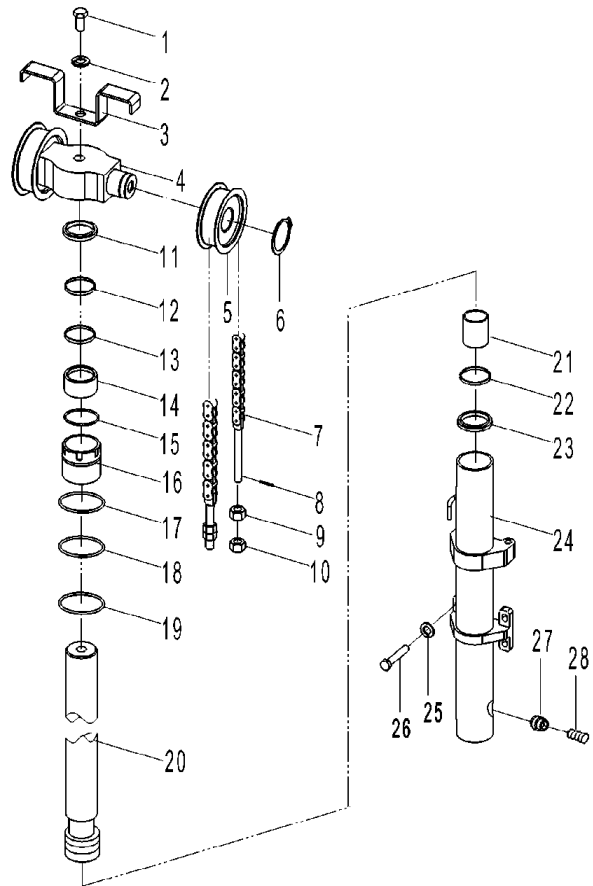


起升高度L IFTING HEIGHT	前起升油缸 Front Lift Cylinder Optional Parts			备注
	物料号 ID.	链条总成 Chain Ass'y		Remark
4000	69116919	M70074001000-4.0-2		Standard/标准
4350	69116920	M70074001000-4.35-2		
4500	69116923	M70074001000-4.5-2		
4800	69116924	M70074001000-4.8-2		
5000	69116927	M70074001000-5.0-2		
5400	69116928	M70074001000-5.4-2		
6000	69116931	M70074001000-6.0-2		

图23-9/ Fig. 23-9

前起升油缸（三级全自由型）/FRONT LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD80-100T

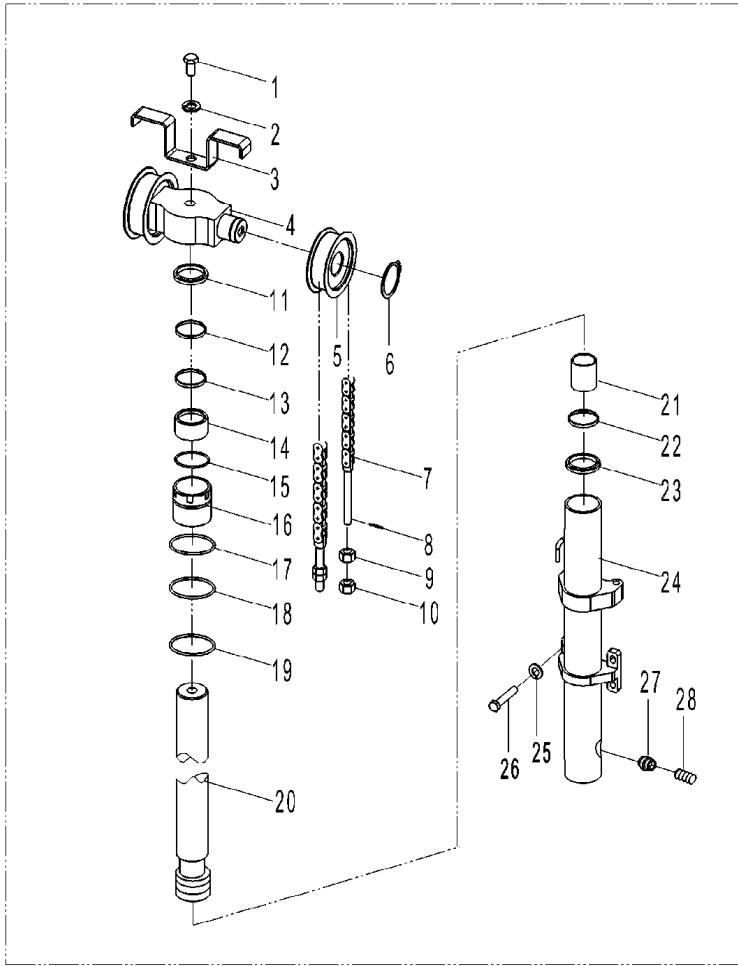


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	S10A84-01000	Middle cylinder	1	
1	69031892	LS31892	Bolt M30x2x100	1	
2	69000058	GB/T93-30	Washer 30	1	
3	69130834	10A82-00001-Black	Chain Hose hoop	1	
4	69117053	10A82-00002-Black	Roller seat	1	
5	69014901	10A82-03000	Chain roller	2	
6	69011909	GB/T894.1-Φ75	Snap spring 75	2	
7	N/A	GB/T6074-2000	Chain LH2844	2	AS NEEDED
8	69109605	GB/T91-2000	Pin4x60	4	
9	69109601	GB/T6171-2000	Nut M33x2	4	
10	N/A	10A80-03001	Nut M33x2	4	
11	N/A	LBH 120	Dust-proof seal120x133x7/9.5	1	
12	N/A	ISI 120	Packing120x135x9	1	
13	N/A	M1002J05-001	Snap spring φ120×φ135×3	1	
14	N/A	SF-1 120	Bush bearing 120x125x60	1	
15	N/A	GB/T895.1-86	Snap spring Do=125	1	
16	N/A	M1002J05-1	Cylinder cap	1	
17	69135118	GB1235-76	O-ring φ165×3.1	1	
18	N/A	M1002J05-002	Snap spring φ160×φ155×1.5	1	
19	69135118	GB1235-76	O-ring φ160×3.1	1	
20	N/A	M1003J03-100	Piston rod ass'y	1	NSS
21	N/A	M1002J05-003	Bearing ring D160×35×5	1	
22	N/A	OSI 160	Packing 160x145x9	1	
23	N/A	M1002J05-004	Snap spring φ160×φ145×3	1	
24	N/A	M1003J03-200	Cylinder body	2	NSS

图23-9/ Fig. 23-9

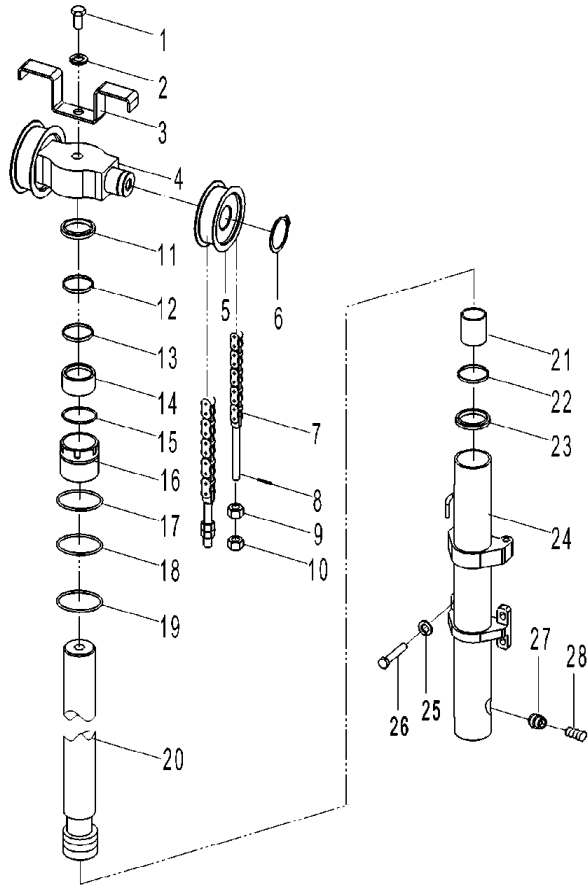
前起升油缸（三级全自由型）/FRONT LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD80-100T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
25	69006632	GB/T93-24	Washer 24	4	
26	69009173	GB/T5786-M24*2*70	Bolt M24x2x70	4	
27	69072587	TLC-30T27	Safety valve	1	
28	69072588	TLC-15T13	Spring	1	

FD80-100T

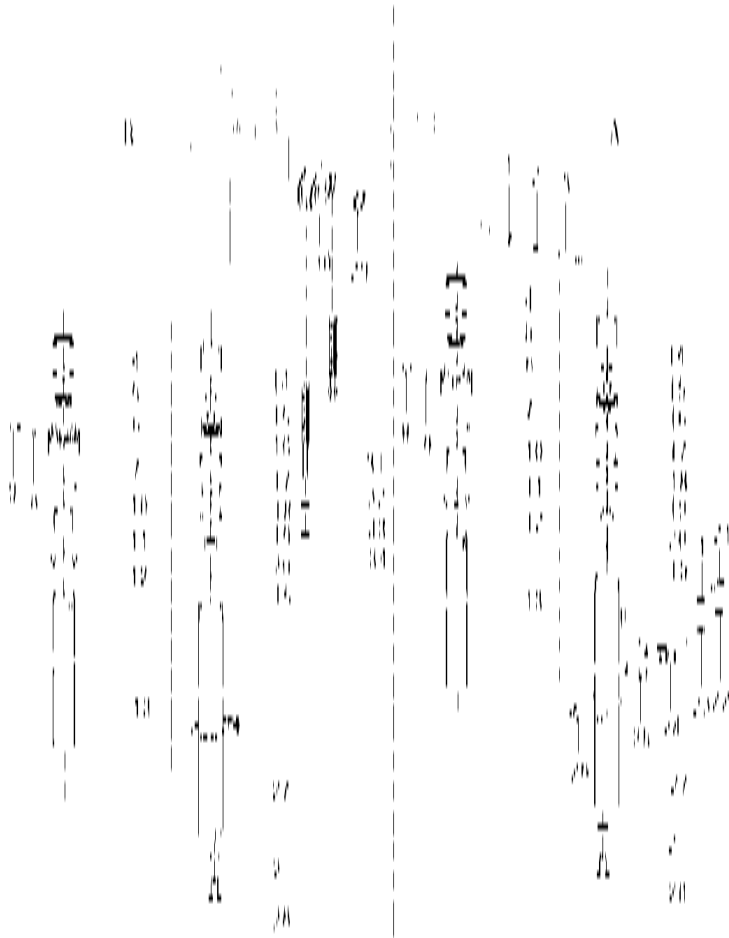


前起升油缸 Front Lift Cylinder Optional Parts				备注
起升高度L IFTING HEIGHT	物料号	前起升油缸 Lift cylinder	物料号	Remark
	ID.		ID.	
3600	69083857	S10A84-01000-3.6M	69117077	
4000	69083858	S10A84-01000-4.0M	69117078	
4350	69083859	S10A84-01000-4.35M	69117079	
4500	69083860	S10A84-01000-4.5M	69117080	
4800	69083861	S10A84-01000-4.8M	69117081	
5000	69083862	S10A84-01000-5.0M	69117082	
5400	69083863	S10A84-01000-5.4M	69117083	
6000	69083864	S10A84-01000-6.0M	69117084	

图23-10/ Fig. 23-10

起升缸（三级全自由型）/ LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD50-70T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	M60074011000	Lift cylinder(left)	1	5-7t(14.1.22起)
B	N/A	M60074012000	Lift cylinder(right)	1	5-7t(14.1.22起)
1	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	4	
2	69000253	GB/T97.1-16	Washer 16	2	
3	69007719	GB/T5785-M16*1.5*130-8.8J	Bolt M16x1.5x130	2	
4		LS23258	Dust-proof seal60x68x5/6.5	2	
5	69135662	MJ20384-03006	Snap spring φ60×φ70×3	2	
6		LS23259	Packing 60x70x6	2	
7	N/A	M502J01A-7A	Cylinder cap	2	
8	69135454	A30480-06014	Nylon pad φ6×3	2	
9	69096319	GB/T5783-M8*10-8.8J	Screw M8x10	2	
10	69022538	GB/T3452.1-90*3.55	O-ring 90x3.55	2	
11	69135667	MJ20384-03011	Bush bearing 60x65x40	2	
12	N/A	M502J01A-2A	Bushing	2	
13	N/A	M503J01-1A	Piston rod	2	NSS
14	N/A	M503J01-2	Sleeve	按需	
15	N/A	M502J01-6	Snap spring	4	
16	N/A	M502J01A-4	Piston	2	
17	N/A	M502J01A-001	Bearing ring D80x20x2.5	2	
18	N/A	Max302J05B-001	Snap spring φ80×φ70×3	2	
19		LS2407	Packing 80x70x6	2	
20	N/A	M502J01A-5	Sleeve	2	
21	69012304	GB/T5786-M16*1.5*90-8.8J	Bolt M16x1.5x90	2	
22	69000315	GB/T6171-M12*1.5-8J	Nut M12x1.5	4	
23	69000251	GB/T97.1-12	Washer 12	4	

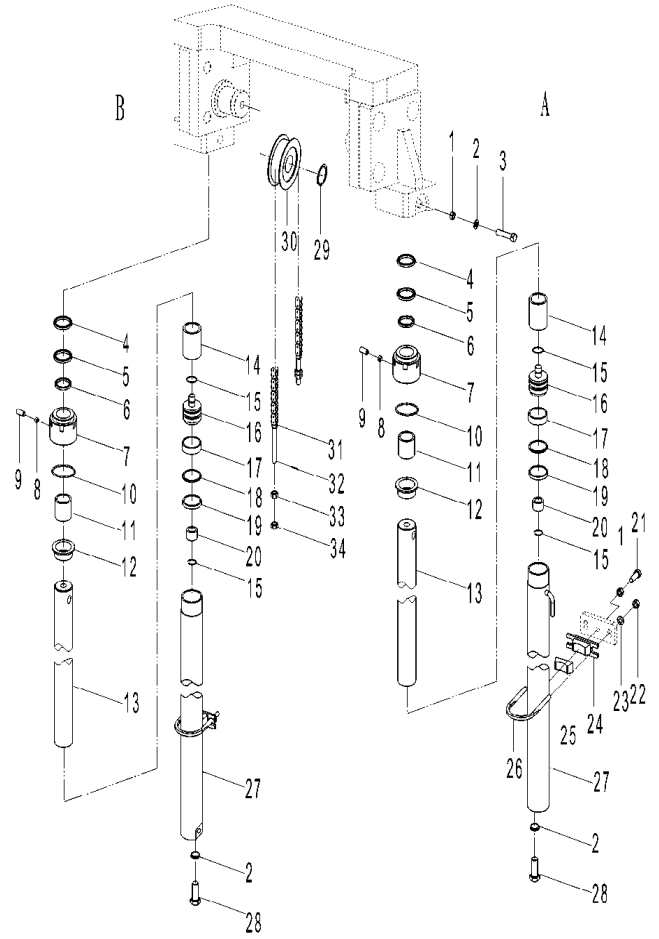
FD50-70T

序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69007501	M6048000016	Hoop seat	2	
25	69020206	M6048000015	Rubber pad	2	
26	69012169	M70074000010	Hoop	2	
27	N/A	M503J01-100	Cylinder body	2	NSS
28	69025478	M70074000009	Bolt M16×1.5	2	
29	69000073	GB/T894.1-Φ55	Snap spring 55	2	
30	69006387	M6048009000	Chain roller	2	
31	N/A	M70074003000	Chain II	2	AS NEEDED
32		GB/T91-3.2*18	Pin 3.2×18	4	
33	N/A	M70074001001	Nut M24×2	4	
34	69008763	GB/T6171-M24*2-8J	Nut M24×2	4	

图23-10/ Fig. 23-10

起升缸（三级全自由型）/ LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD50-70T

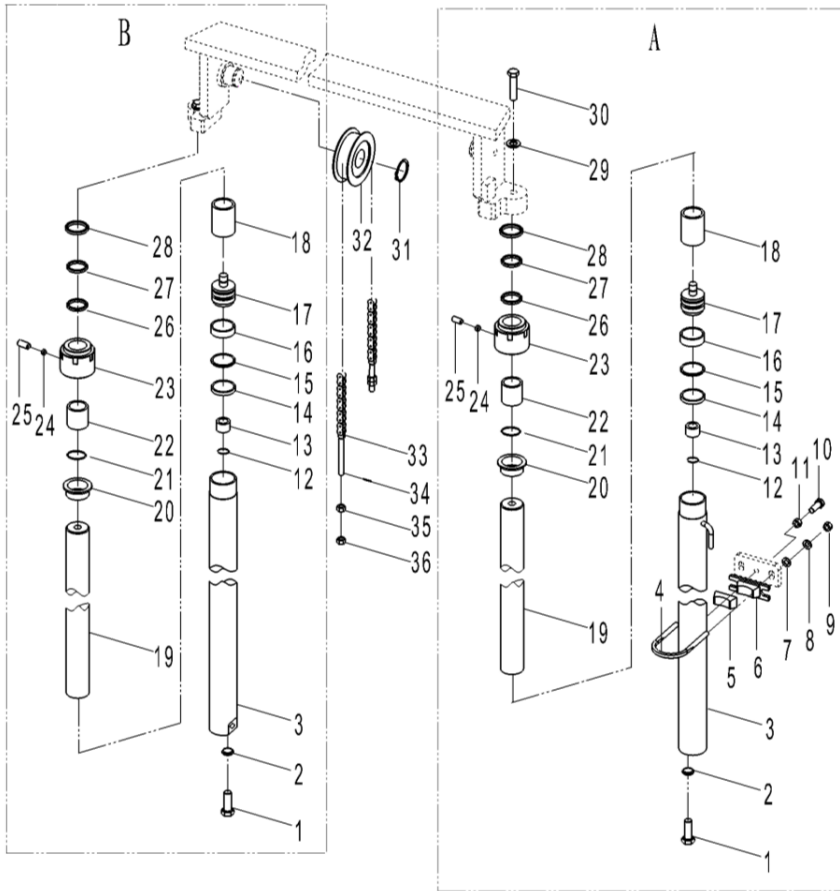


起升油缸选用表 Lift Cylinder Opitional Parts				备注
起升高度LIFTING HEIGHT	物料号	左起升油缸	物料号	Remark
	ID.	Lift cylinder L.H.	ID.	
4000	69050741	M60074011000-4.0M	69103526	Standard/标准
4350	69008367	M60074011000-4.35M	69102453	
4500	69015962	M60074011000-4.5M	69102941	
4800	69036289	M60074011000-4.8M	69103078	
5000	69011001	M60074011000-5.0M	69102840	
5400	69042348	M60074011000-5.4M	69103276	
6000	69009372	M60074011000-6.0M	69102457	

图23-11/ Fig. 23-11

起升缸（三级全自由型）/ LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD80-100T

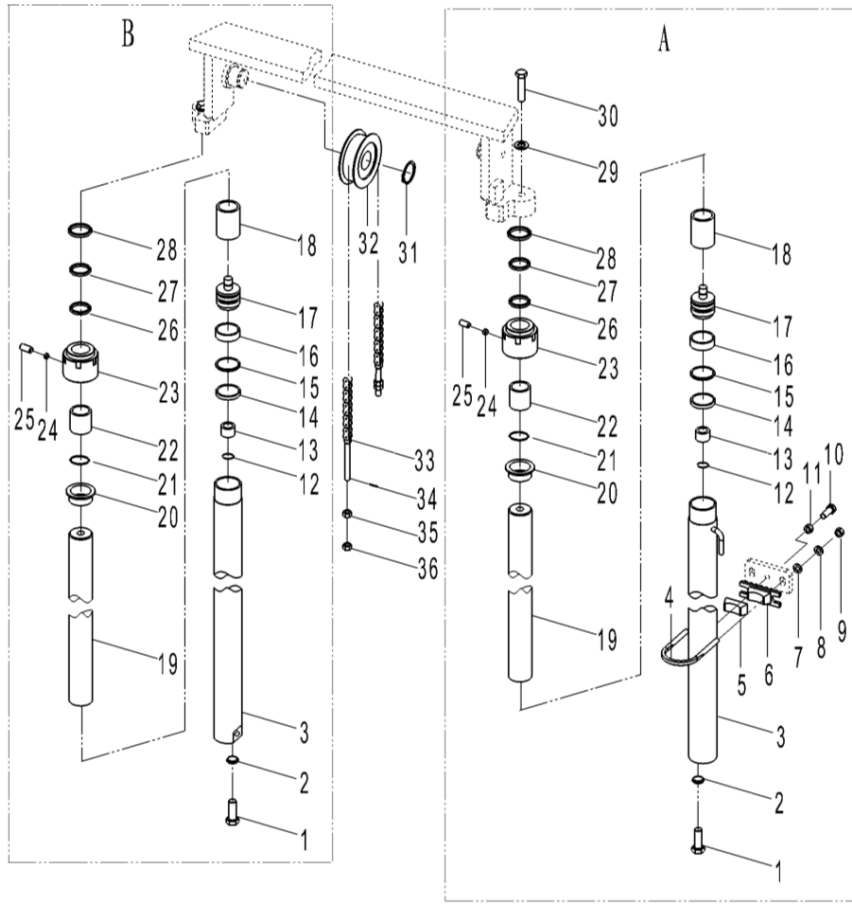


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A		10A84-06000	Lift cylinder(left)	1	
B		10A84-06000	Lift cylinder(right)	1	
1	69012259	10A80-00008	Bolt	2	
2	69000056	GB/T93-16	Washer 16	2	
3	N/A	M1003J01-100	Cylinder body	2	NSS
4	69012365	10A80-00001	U-bolt	2	
5	69012363	10A80-00002	Rubber pad	2	
6	69015093	10A80-00004	Rubber pad	2	
7	69000251	GB/T97.1-12	Washer 12	4	
8	69000054	GB/T93-12	Washer 12	4	
9	69000315	GB/T6171-M12*1.5-8J	Nut M12x1.5	4	
10	69038249	GB/T5786-M16*1.5*55-8.8J	Bolt M16x1.5x55	2	
11	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	2	
12	N/A	M802J01-6	Snap spring	2	
13	N/A	M802J01A-5	Sleeve	2	
14	N/A	Max302J05A-001	Snap spring φ100×φ85×3	2	
15	N/A	OSI 100	Packing 100×85×9	2	
16	N/A	M1002J01-001	Bearing ring D100×20×3	2	
17	N/A	M1002J01-4	Piston	2	
18	N/A	M1003J01-2	Sleeve	2	
19	N/A	M1003J01-1	Piston rod	2	NSS
20	69064256	M1002J01-2	Bushing	2	
21		LS67269	O-ring 115×3.1	2	
22	N/A	SF-1 70	Bush bearing 70×75×40	2	
23	N/A	M1002J01-4	Cylinder cap	2	

图23-11/Fig. 23-11

起升缸（三级全自由型）/LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD80-100T

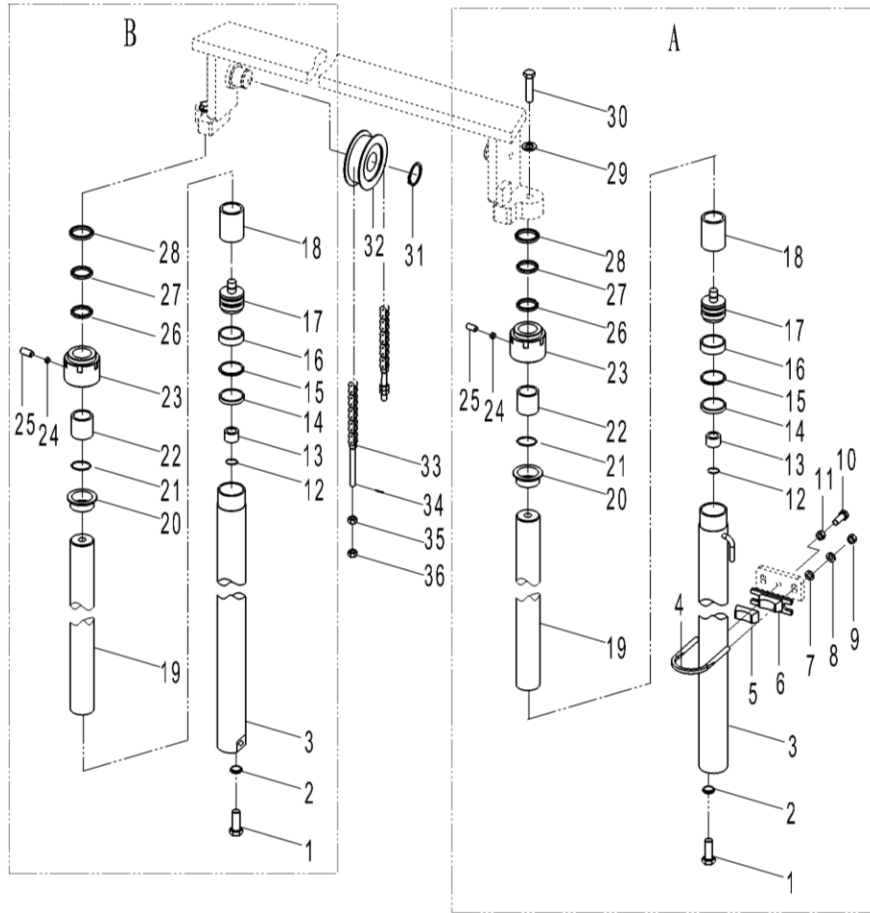


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	69135454	A30480-06014	Nylon pad φ6×3	2	
25	69025777	GB/T70.1-M8*100-8.8J	Screw M8×10	2	
26	69135709	MJ30384-03008	Packing 70×80×6	2	
27	69135707	MJ30384-03006	Snap spring φ70×φ80×3	2	
28	69137590	M15043008001	Dust-proof seal 70×80×6/8	2	
29	69000058	GB/T93-30	Washer 30	2	
30	69006242	GB/T5786-M30*2*80-8.8J	Bolt M30×2×80	2	
31	69011909	GB/T894.1-Φ75	Snap spring 75	2	
32	69014901	10A82-03000	Chain roller	2	
33	N/A	10A84-04000	Chain LH2844	2	AS NEEDED
34	69109605	GB/T91-2000	Pin 4×60	2	
35	69109601	GB/T6171-2000	Nut M33×2	2	
36	N/A	10A80-03001	Nut M33×2	2	

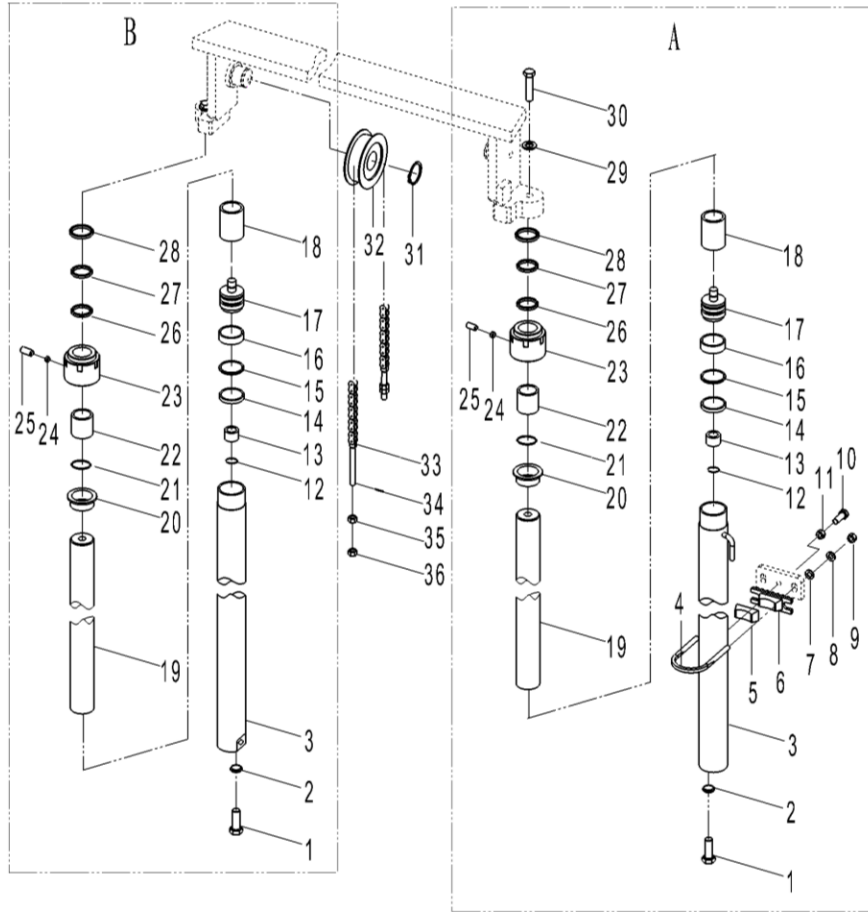
图23-11/ Fig. 23-11

起升缸 (三级全自由型) / LIFT CYLINDER (FULL FREE 3-STAGE MAST)

FD80-100T

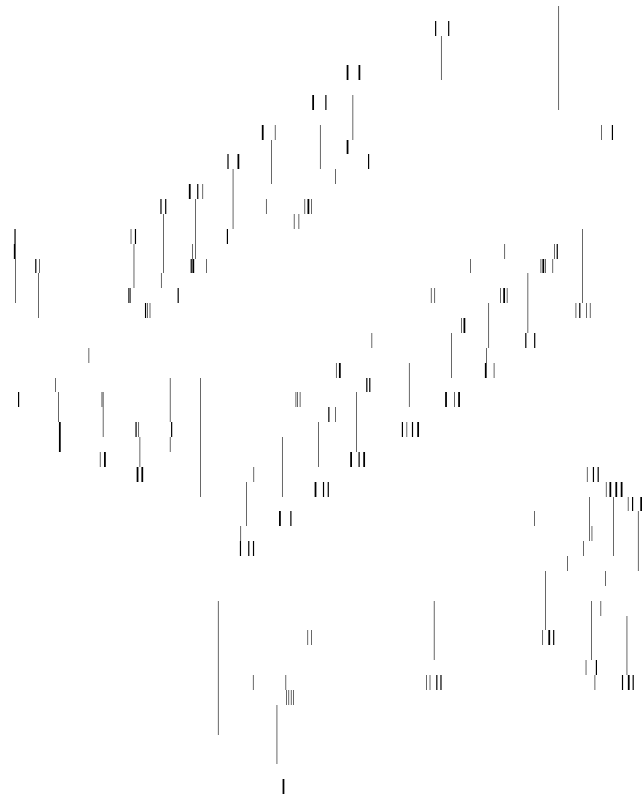


起升油缸选用表 Lift Cylinder Optional Parts				备注
高度L RISING HEIGHT	物料号 ID.	左起升油缸 Lift cylinder L.H.	物料号 ID.	备注 Remark
300	69025545	10A84-06000-3.6M	69025545	
400	69049735	10A84-06000-4.0M	69049735	
350	69034979	10A84-06000-4.35M	69034979	
500	69034979	10A84-06000-4.35M	69024400	
300	69049738	10A84-06000-4.8M	69049738	
400	69039095	10A84-06000-5.0M	69039095	
400	69049739	10A84-06000-5.4M	69049739	
500	69049740	10A84-06000-6.0M	69049740	



起升油缸选用表 Lift Cylinder Optional Parts				备注
高度L RING IGHT	物料号 ID.	(长) 链条总成 Chain Ass'y		Remark
300	69117068	10A84-04000-3.6		
300	69117069	10A84-04000-4.0		
350	69117070	10A84-04000-4.35		
500	69117071	10A84-04000-4.5		
300	69117072	10A84-04000-4.8		
300	69117073	10A84-04000-5.0		
400	69117074	10A84-04000-5.4		
300	69117075	10A84-04000-6.0		

FD50-70T

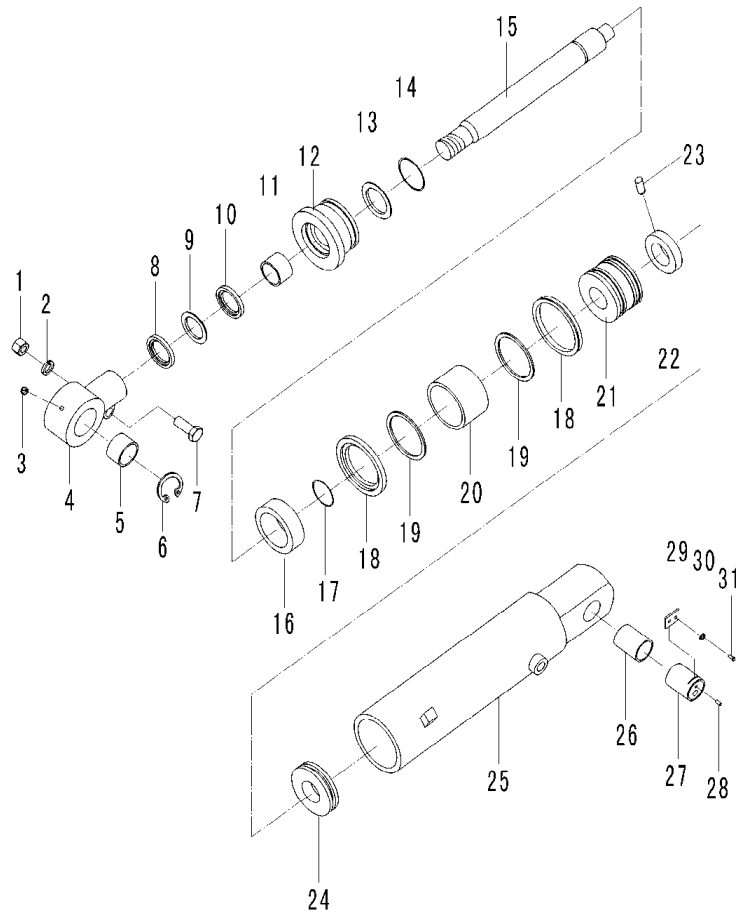


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	M6048011000	Tilt cylinder(left)	1	
B	N/A	M6048012000	Tilt cylinder(right)	1	
1	69000106	GB/T6170-M16-8J	Nut M16	2	
2	69000056	GB/T93-16	Washer 16	2	
3	69003941	JB/T7940.1-M10*1	Nipple M10×1	2	
4	N/A	M050-06-1	Connect ring	2	
5	69000584	LS584	Oscillating bearing	2	
6	69012739	GB/T893.1-Φ75	Snap spring D75	2	
7	69000174	GB/T5782-M16*70-8.8J	Bolt M16×70	2	
8	69148151	LBH 50	Dust-proof seal50×58×5/6.5	2	
9	69026273	LS26273	Snap spring Φ60×Φ50×3	2	
10	69008951	LS8951	Packing 50×60×6	2	
11	N/A	SF-1 50	Bush bearing 50×55×45	2	
12	N/A	M050-06-2	Cylinder cap	2	
13	N/A	M050-06-002	Snap spring Φ110×Φ101.5×2	2	
14		GB/T1235-110*5.7	O-ring110×5.7	2	
15	N/A	M050-06-3A	Piston rod	2	NSS
16	N/A	M050-06-4	Sleeve	按需	
17	69135118	GB1235-76	O-ring56×3.5	2	
18		LS23261	Packing 110×95×9	4	
19	N/A	M453J03-003	Snap spring Φ110×Φ95×3	4	
20	N/A	M050-06-003	Bearing ring D110×25×3	2	
21	N/A	M050-0605A	Piston	2	
22	N/A	M050-06-7	Nut M24×3	2	
23	N/A	GB/T79-85	Screw	2	

图23-12/ Fig. 23-12

倾斜油缸/TILTING CYLINDER

FD50-70T

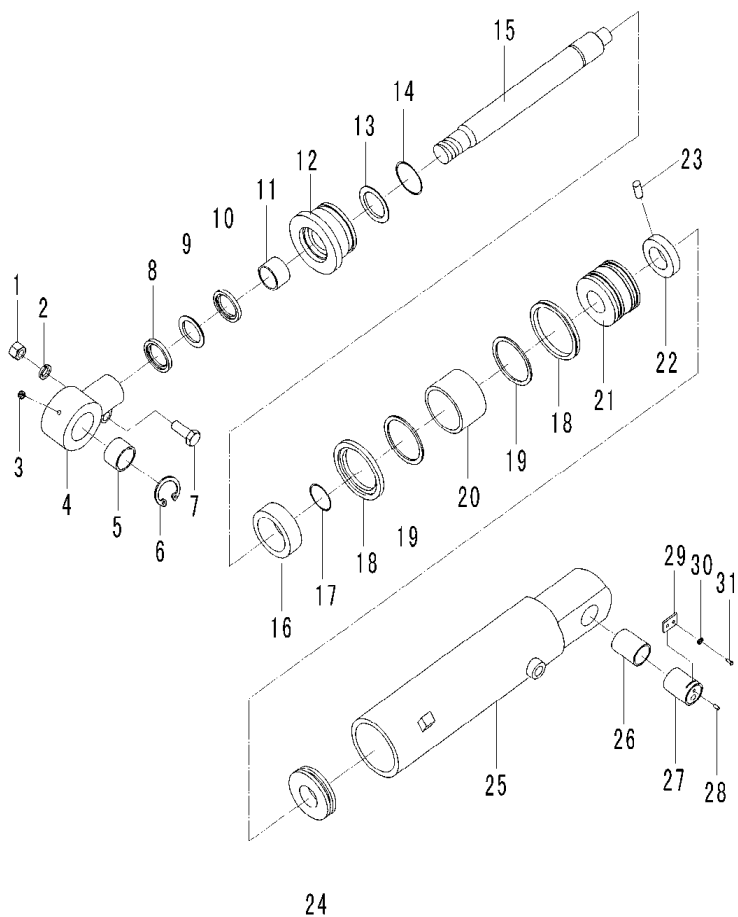


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
24	N/A	M050-06-6	spacer	按需	
25	N/A	M050-06-100	Cylinder body	左右各一	NSS
26	N/A	SF-1 50	Bush bearing 50x55x60	2	
27	69006663	M6048000004	Pin shaft II	2	
28	69003941	JB/T7940.1-M10*1	Nipple M10x1	2	
29	69007544	M6048000003	Positioning plate	2	
30	69000250	GB/T97.1-10	Washer 10	4	
31	69000122	GB/T5783-M10*16-8.8J	Bolt M10x15	4	

图23-12/ Fig. 23-12

倾斜油缸选用表/TILT CYLINDER OPTION TABLE

FD50-70T



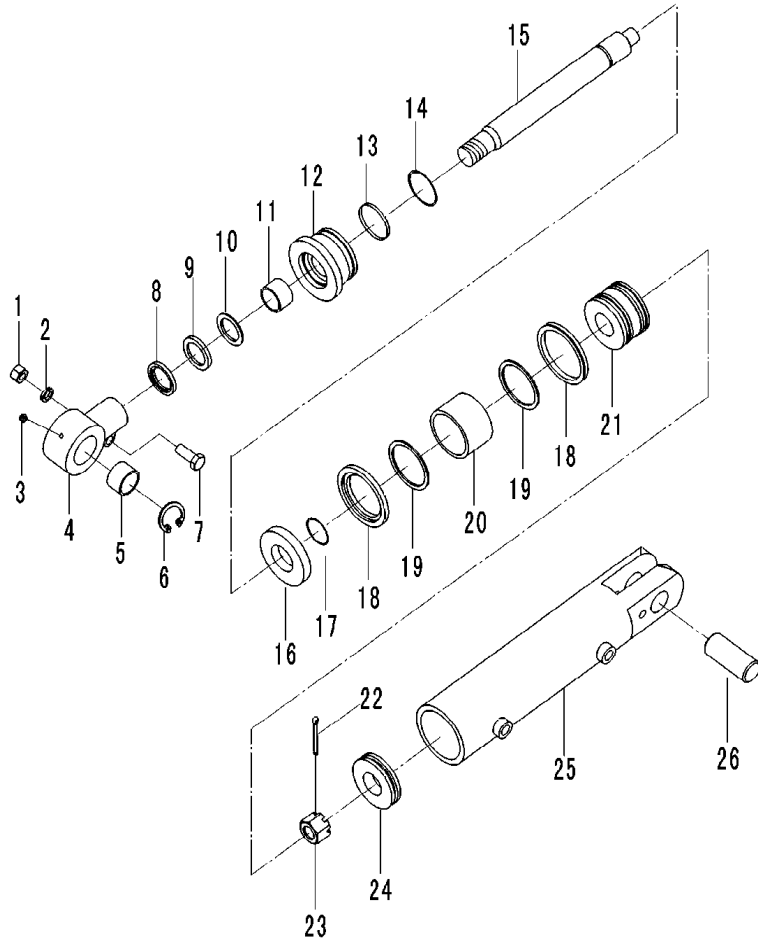
倾斜油缸选用表/Tilt Cylinder Option Table

前/后倾角 Tilt angle	物料号	左倾斜缸	物料号	起升高度 LIFTING HEIGHT
	ID.	Tilt cylinder L. H.	ID.	
6°/12°	69006775	M6048011000-6-12°	69104107	$h < 4\text{m}$
6°/6°	69007826	M6048011000-6-6°	69104071	$4\text{m} \leq h \leq 5\text{m}$
3°/6°	69007309	M6048011000-3-6°	69104066	$h > 5\text{m}$

图23-13/ Fig. 23-13

倾斜油缸/TILTING CYLINDER

FD80-120T

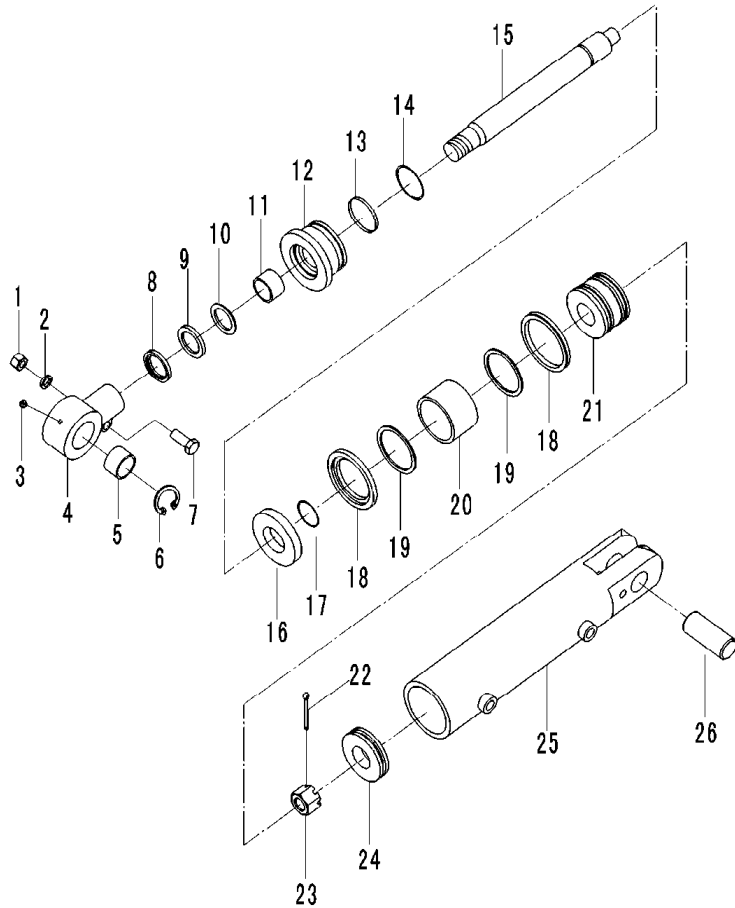


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	N/A	10A80-11000	Tilt cylinder(right)	2	8-10T
B	N/A	12A80X-12000	Tilt cylinder(left)	1	12T (2018.09.01起)
-	N/A	12A80X-13000	Tilt cylinder(right)	1	12T (2018.09.01起)
1	69000106	GB/T6170-M16-8J	Nut M16	1	
2	69000056	GB/T93-16	Washer 16	1	
3	69003941	JB/T7940.1-M10*1	Nipple M10x1	1	
4	N/A	M050-06-1	Connect ring	1	
5	69000584	LS584	Oscillating bearing GE50ES	1	
6	69012739	GB/T893.1-Φ75	Clip spring D75	1	
7	69000174	GB/T5782-M16*70-8.8J	Bolt M16x70	1	
8	69008943	LS8943	Dust-proof seal 50x58x5/6.5	1	8-10T
-	N/A	LBH 63	Dust-proof seal 63x71x5/6.5	1	12T
9	69026273	LS26273	Snap spring φ60×φ50×3	1	8-10T
-	N/A	M1002J03-001	Snap spring φ73×φ63×3	1	12T
10	69008951	LS8951	Packing 50x60x6	1	8-10T
-	N/A	ISI 63	Packing 63x73x6	1	12T
11	N/A	SF-1 50	Bush bearing 50x55x45	1	8-10T
-	N/A	SF-1 63	Bush bearing 63x68x45	1	12T
12	N/A	M100-06A-100	Cylinder cap	1	8-10T
-	N/A	M120-06-100	Cylinder cap	1	12T
13	N/A	M100-06A-001	Snap spring φ115×φ106×2	1	8-10T
-	N/A	M120-06-001	Snap spring φ125.5×φ120.5×1.5	1	12T
14	69135118	GB1235-76	O-ring 115x5.7	1	8-10T
-	N/A	GB3452.1-92	O-ring 118x3.55	1	12T
15	N/A	M050-06-3A	Piston rod	1	8-10T NSS

图23-13/ Fig. 23-13

倾斜油缸/TILTING CYLINDER

FD80-120T

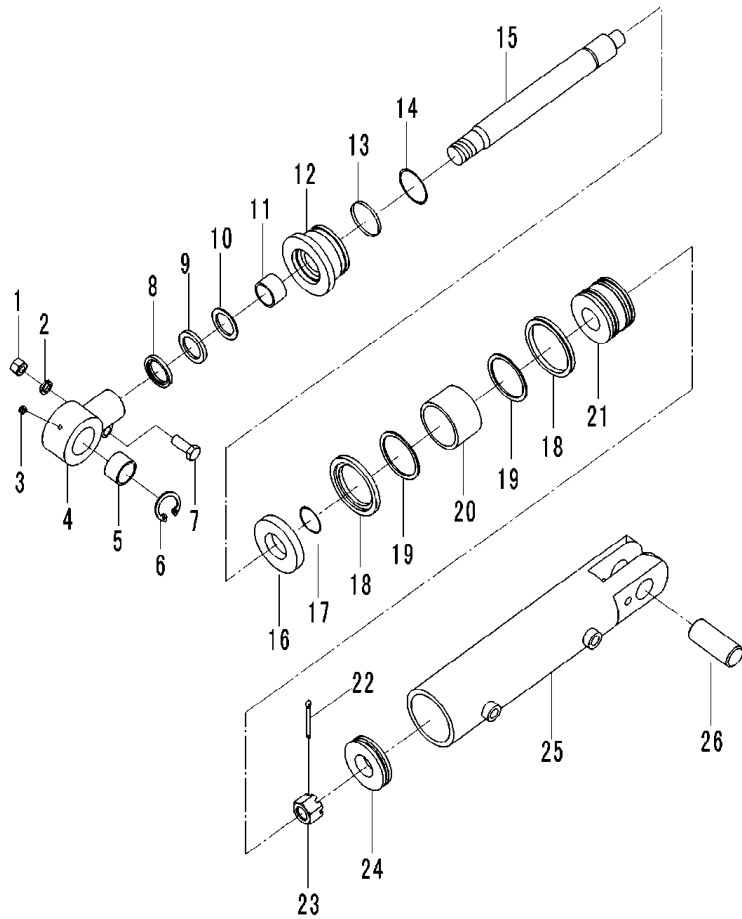


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-	N/A	M120-06-3	Piston rod	1	12T NSS
16	N/A	M100-06-1	Sleeve	1	8-10T
-	N/A	M120-06-1	Sleeve	1	12T
17		LS23232	O-ring 56x3.5	1	8-10T
-	69009541	LS9541	O-ring 68x3.1	1	12T
18	N/A	OSI 115	Packing 115x100x9	2	8-10T
-	N/A	OSI 125	Packing 125x112x9	2	12T
19	N/A	M702J05-001	Snap spring φ115×φ100×3	2	8-10T
-	N/A	M120-06-001	Snap spring φ125×φ112×3	2	12T
20	N/A	M100-06A-002	Bearing ring D115x25x3	1	8-10T
-	N/A	M120-06-002	Bearing ring D125x30x3	1	12T
21	N/A	M100-06A-2	Piston	1	8-10T
-	N/A	M120-06-2	Piston	1	12T
22	N/A	GB/T79-85	Screw	1	
23	N/A	M050-06-7	Nut M42x3634	1	
24	N/A	M100-06A-3	spacer	1	8-10T
-	N/A	M1120-06-3	spacer	1	12T
25	N/A	M100-06A-200	Cylinder body	1	8-10T NSS
-	N/A	M120-06-200	Cylinder body	1	12T NSS
26	69006663	M6048000004	Pin shaft (II)	1	

图23-13/Fig. 23-13

倾斜油缸/TILTING CYLINDER

FD80-100T



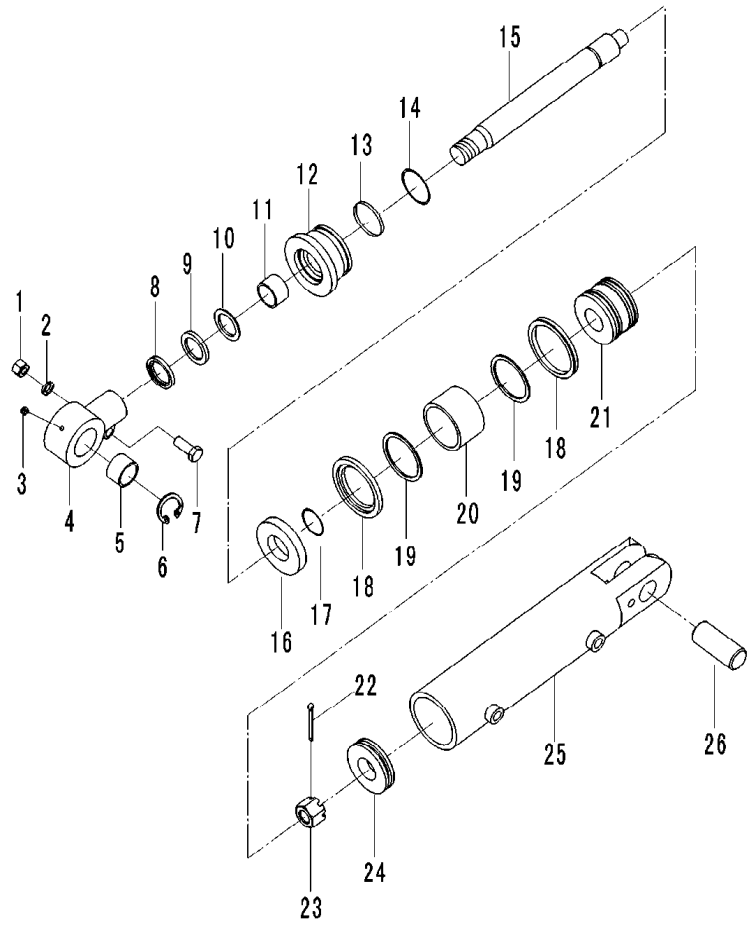
倾斜油缸选用表/Tilt Cylinder Option Table

前/后倾角 Tilt angle	物料号 ID.	倾斜缸总成 Tilt cylinder	起升高度 LIFTING HEIGHT
6°/12°	69012011	10A80-11000-6-12°	$h \leq 4.5m$
6°/6°	69014909	10A80-11000-6-6°	$4.5m < h \leq 5m$
3°/6°	69043503	10A80-11000-3-6°	$h > 5m$

图23-13/Fig. 23-13

倾斜油缸/TILTING CYLINDER

FD120T



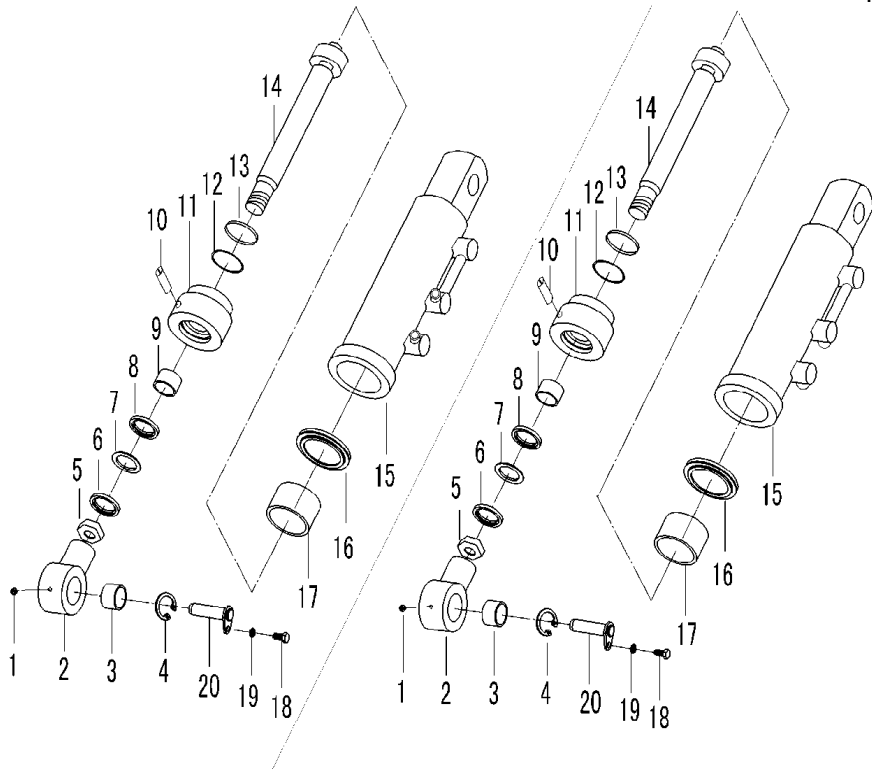
倾斜油缸选用表/Tilt Cylinder Option Table

前/后倾角 Tilt angle	物料号	左倾斜缸总成 Tilt cylinder (left)	物料号	起升高度 LIFTING HEIGHT
	ID.		ID.	
6°/12°	69095301	12A80X-12000-6-12°	69104074	h≤4.5m
6°/6°	69095300	12A80X-12000-6-6°	69105180	4.5m<h≤5m
3°/6°	69095299	12A80X-12000-3-6°	69104101	h>5m

图23-14/ Fig. 23-14

调距缸 / TILTING CYLINDER

FD80-120T

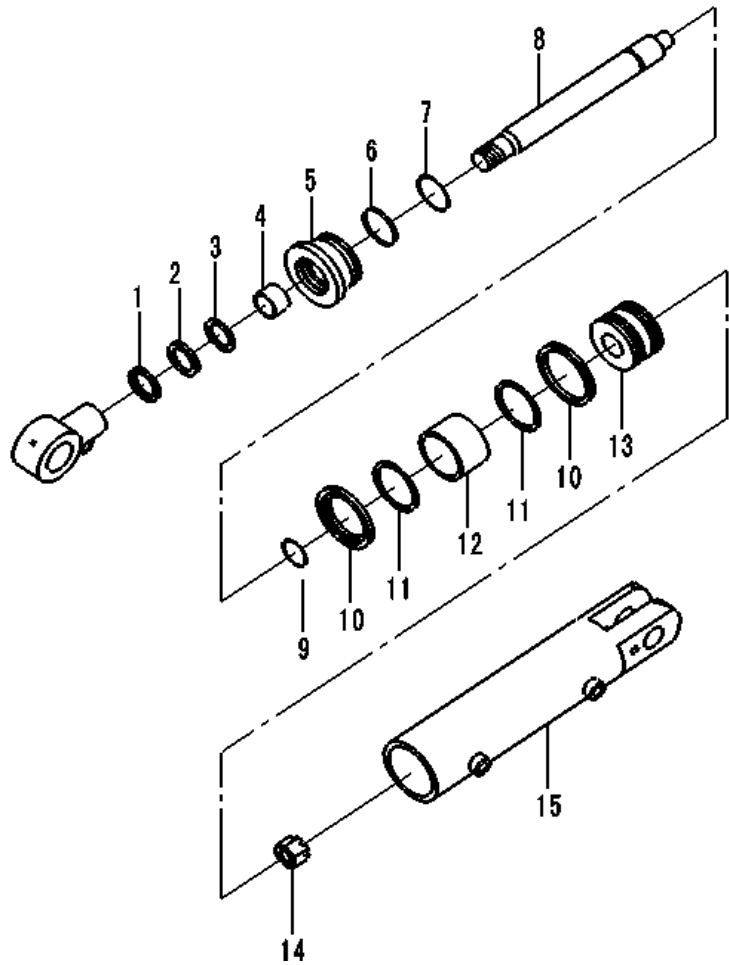


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69096216	10A80-14000A	Positioning cylinder ass'y (L.H.)	1	
B	69096217	10A80-15000A	Positioning cylinder ass'y (R.H.)	1	
1	69136417	GB1152-79	Nipple M6	2	
2	N/A	HLJ6332680-1	Connect ring	2	
3	69062821	LS62821	Oscillating bearing GE17ES	2	
4	69018364	GB/T893.1-Φ30	Clip spring D30	2	
5	N/A	HLJ6332680-7	Nut	2	
6	N/A	DH 32	Dust-proof seal 32x40x5x6.5	2	
7	N/A	MKS-10TJ-001	Snap spring Φ32xΦ42x2	2	
8	69135347	A20480-04007	Packing 32x42x6	2	
9	69136204	SF-1 32	Bush bearing 32x36x25	2	
10	69136178	GB77-85	Screw	2	
11	N/A	MKS-10TJ-2	Cylinder cap	2	
12	69002382	LS2382	O-ring 38x3.5	2	
13	N/A	MKS-10TJ-002	Snap spring Φ51xΦ56x1.5	2	
14	N/A	MKS-10TJ-4	Piston rod ass'y	2	NSS
15	N/A	MKS-10TJ-5A	Cylinder body(left/right)	2	NSS
16	N/A	CKW-56	Gland ring 56	2	
17	69135611	M35043005009	Bearing ring Φ56x20x2.5	2	
18	69012367	10A80-05000	Pin shaft II	2	
19	69000053	GB/T93-10	Washer 8	2	
20	69135248	GB/T5783-2000-M8*16	Bolt M8x16	2	

图23-15/ Fig. 23-15

侧移缸 / SWAY CYLINDER

FD120T

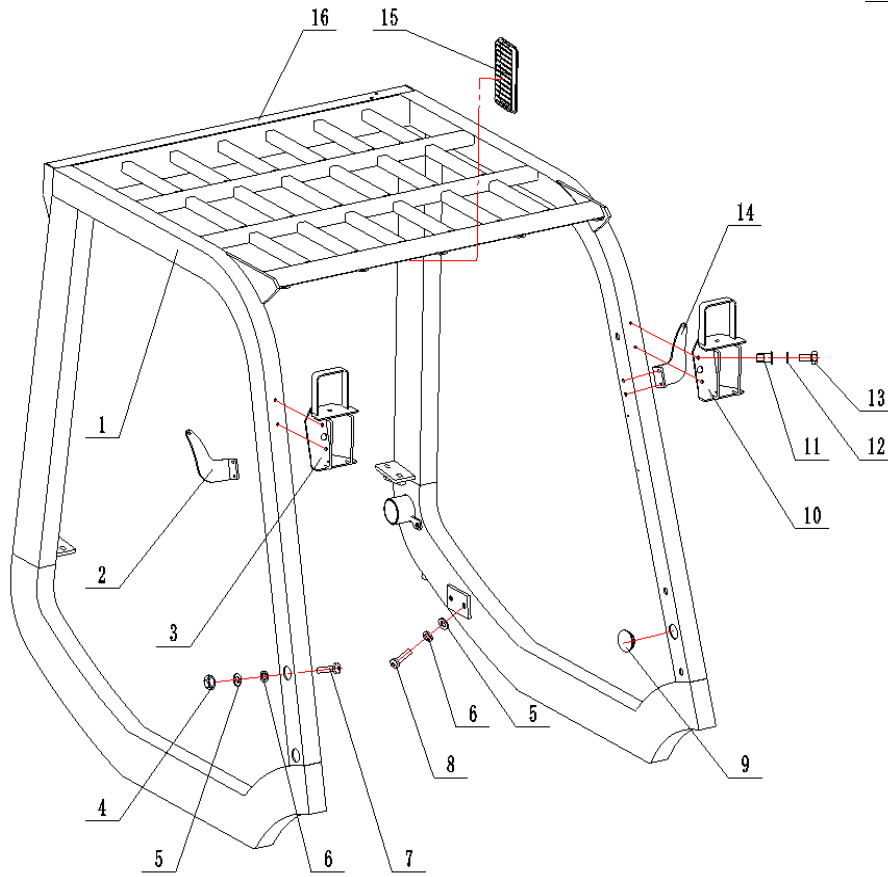


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
A	69023754	10AS26-03000	Tilt cylinder	1	
1	N/A	LBH 35	Dust-proof seal35x43x5/6.5	1	
2	69135416	A30480-05007	Snap spring φ45×φ35×3	1	
3	69135419	A30480-05010	Packing 35x45x6	1	
4	69135423	A30480-05014	Bushing 35x39x35	1	
5	69135412	A30480-05003	Cylinder cap	1	
6	69002387	LS2387	O-ring 80x5.7	1	
7	69135418	A30480-05009	Snap spring φ80.5×φ72×1.5	1	
8	N/A	MKS-10CY-100	Piston rod	1	NSS
9	69002383	LS2383	O-ring 41x3.5		
10	69135417	A30480-05008	Snap spring Φ80×φ70×2.5	1	
11	69136197	OSI 80	Packing 80x70x6		
12	69135415	A30480-05006	Bearing ring D80×16×2.5		
13	69135413	A30480-05004	Piston 80		
14	69094105	GB/T9459-1988	Nut M27×2624		
15	N/A	MKS-10CY-200	Cylinder body		NSS

图24-1/ Fig. 24-1

护顶架/OVERHEAD GUARD

FD50-100T

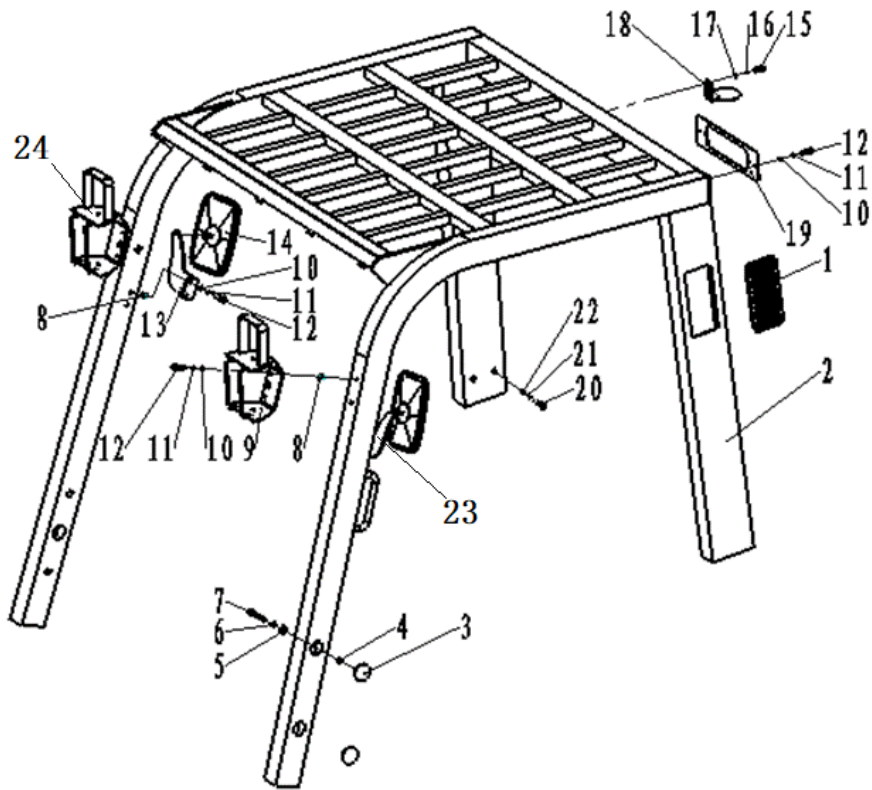


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69117978	M6045100000-black	Overhead guard ass'y	1	
2	69044567	M6045100012	Rearview mirror bracket (Right)	1	
3	69081170	M3036108100A-R	Headlight bracket (Right)	1	
4	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	4	
5	69000253	GB/T97.1-16	Washer 16	12	
6	69000056	GB/T93-16	Washer 16	12	
7	69020214	GB/T5786-M16*1.5*40-8.8J	Bolt M16x1.5x40	4	
8	69000184	GB/T5786-M16*1.5*35	Bolt M16x1.5x35	8	
9	69001764	M3036400007	Rubber plug	4	
10	69081169	M3036108100A-L	Headlight bracket (Left)	1	
11	69000223	GB/T17880.1-M8	Nut M8	6	
12	69000062	GB/T93-8	Washer 8	4	
13	69000309	GB/T5783-M8*16-8.8J	Bolt M8x16	4	
14	69039269	M6045100008	Rearview mirror bracket (Left)	1	
15	69020205	M6045100011	Air inlet	1	
16	69033994	M6045100006	Rear light bracket	1	

图24-2/ Fig. 24-2

护顶架/OVERHEAD GUARD

FD120T-MXWQ3,FD120T-MG(11)3

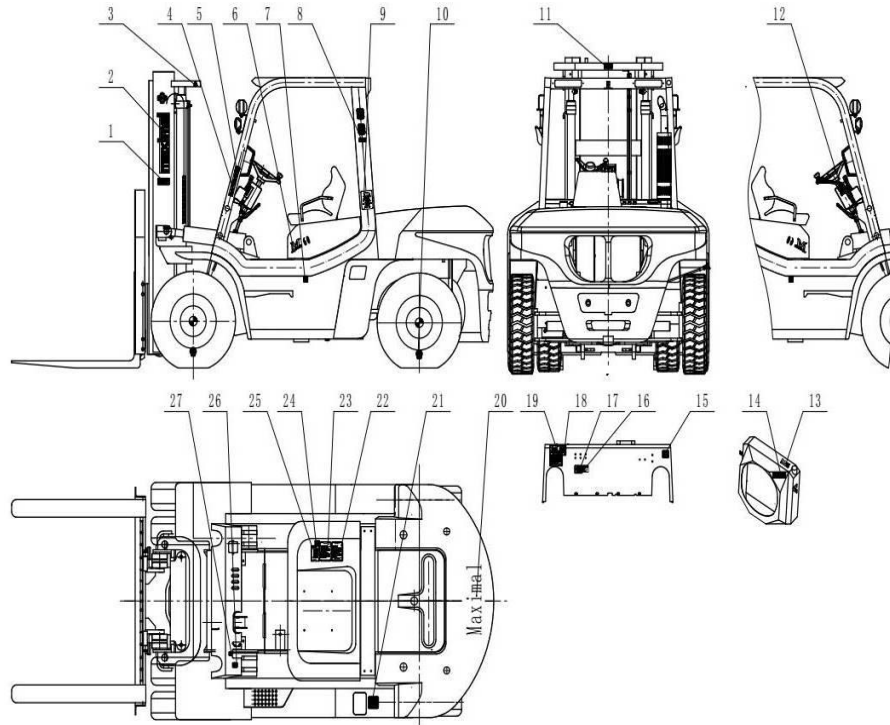


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69020205	M6045100011	Air inlet	2	
2	69102305	12A51X-01000-black	Overhead guard ass'y	1	
3	69001764	M3036400007	Rubber plug	5	
4	69000003	GB/T6171-M16*1.5-8J	Nut M16x1.5	4	
5	69000253	GB/T97.1-16	Washer 16	4	
6	69000056	GB/T93-16	Washer 16	4	
7	69020214	GB/T5786-M16*1.5*40-8.8J	Bolt M16x1.5x40	4	
8	69000223	GB/T17880.1-M8	Nut M8	8	
9	69081169	M3036108100A-L	Headlight bracket (Left)	1	
10	69000259	GB/T97.1-8	Washer 8	12	
11	69000062	GB/T93-8	Washer 8	12	
12	69000198	GB/T5783-M8*20-8.8J	Bolt M8x20	12	
13	69044567	M6045100012	Rearview mirror bracket (Right)	1	
14	69000380	M3036109000	Rearview mirror	2	
15	69000189	GB/T5783-M6*12-8.8J	Bolt M6x12	2	不带警灯为0
16	69000060	GB/T93-6	Washer 6	2	不带警灯为0
17	69023129	30351M-00001	Plug	0	不带警灯为1
18	69086990	30351M-00002A	Caution light seat	1	不带警灯为0
19	69033713	M60451F00001	Baffle	2	
20	69003591	GB/T5783-M14*30-8.8J	Bolt M14x30	4	
21	69005111	GB/T93-14	Washer 14	4	
22	69000252	GB/T97.1-14	Washer 14	4	
23	69039269	M6045100008	Rearview mirror bracket (Left)	1	
24	69081170	M3036108100A-R	Headlight bracket (Right)	1	

图25-1/ Fig. 25-1

标牌/DECAL

FD50-120T

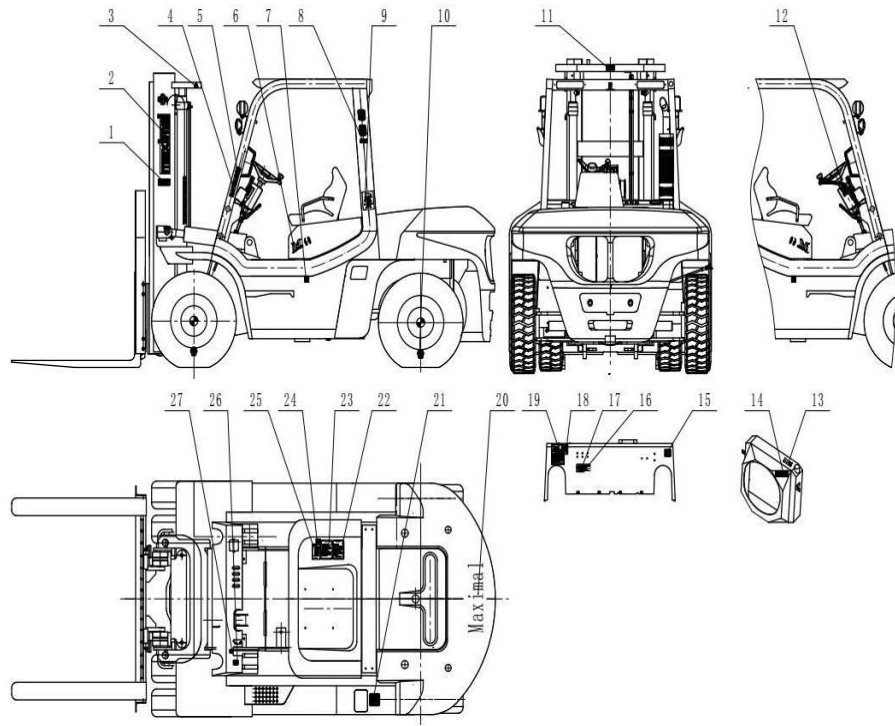


序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
1	69136434	M3039100001	Safety decal	2	
2	69000725	M3039100002-1	Mast decal (maximal)	2	
3	69136439	MJ30491-00004	Engine hood open caution decal	2	
4	69136442	MJ30491-00007	Anti-collapse decal	1	
5	69136441	MJ30491-00006	Fasten seatbelt decal	1	
6	69007815	FQT00157	Model decal	2	
-	69007817	FQT00159	Model decal	2	
-	69027227	LS27227	Model decal	2	
-	69012205	LS12205	Model decal	2	
-	69044046	LS44046	Model decal	2	
7	69136752	MJ30491-00001	Hydraulic oil decal	1	
8		M30391W00001	No flushing decal	1	出口用/For export
-		M3039100008	No flushing decal	1	国内用/For domestic
9		M30391W00004	Lubrication chart decal (English)	1	出口用/For export
-		M3039100024	Lubrication chart decal	1	国内用/For domestic
10	69095814	M30391W00024	Load chart decal	2	出口用/For export
-	69136438	M3039100029	Load chart decal	2	国内用/For domestic
11	69136440	MJ30491-00005	Pinch caution decal	1	
12	69138782	M3039100003	Turning lights decal	1	
13	69089359	M3039100035	Load chart decal	1	
-	69089828	M3039100031	Anti-freeze added decal	1	
14	69136740	MJ30491-00008	Fan caution decal	1	
15		M30391W00016	CE decal	1	
16	69142366	M30391W00002	Noise decal	1	出口用/For export

图25-1/ Fig. 25-1

标牌/DECAL

FD50-120T



序号	物料号	代号	名称	数量	备注
Item No.	ID.	Part No.	Description	Q'ty	Remark
-		M30391W00107	Noise decal	1	国内用/For domestic
17	69136436	M3039100013	Standing forbidden decal	1	
8	69089234	M30391W00015	Name plate (English)	1	出口用/For export
-	69089358	M3039100020	Name plate	1	国内用/For domestic
9	69136744	MJ30491-00009	Environmental information label	1	
20	69009047	M3039100007-1	Brand decal (maximal)	1	
21		MJ30491-00002	Fuel decal(Diesel)	1	
22		M30391W00007	Operation instruction decal (English)	1	出口用/For export
-		M3039100027	Operation instruction decal	1	国内用/For domestic
23		M30391W00008	Operation rules decal (English)	1	出口用/For export
-		M3039100028	Operation rules decal	1	国内用/For domestic
24	69136747	MJ30491-00010	Standing forbidden decal	1	
25	69085940	M5049100001-1	Load chart decal (English)	1	5T国内用/For domestic
-	69085938	M50491W00001-1	Load chart decal (English)	1	5T出口用/For export
-	69085947	M7049100001-1	Load chart decal	1	7T国内用/For domestic
-	69085946	M70491W00001-1	Load chart decal (English)	1	7T出口用/For export
-	69085952	M8049100001-1	Load chart decal	1	8T国内用/For domestic
-	69085951	M80491W00001-1	Load chart decal (English)	1	8T出口用/For export
-	69085964	10A91-00001-1	Load chart decal	1	10T国内用/For domestic
-	69012442	10A91W-00001-1	Load chart decal (English)	1	10T出口用/For export
-	69085970	12A91X-00001-1	Load chart decal	1	x12T国内用/For domestic
-	69085968	12A91WX-00001-1	Load chart decal (English)	1	x12T出口用/For export
26	69136741	MJ30491-00003	Brake fluid decal	1	
27	69136742	A30491-00004	Parking brake decal	1	