

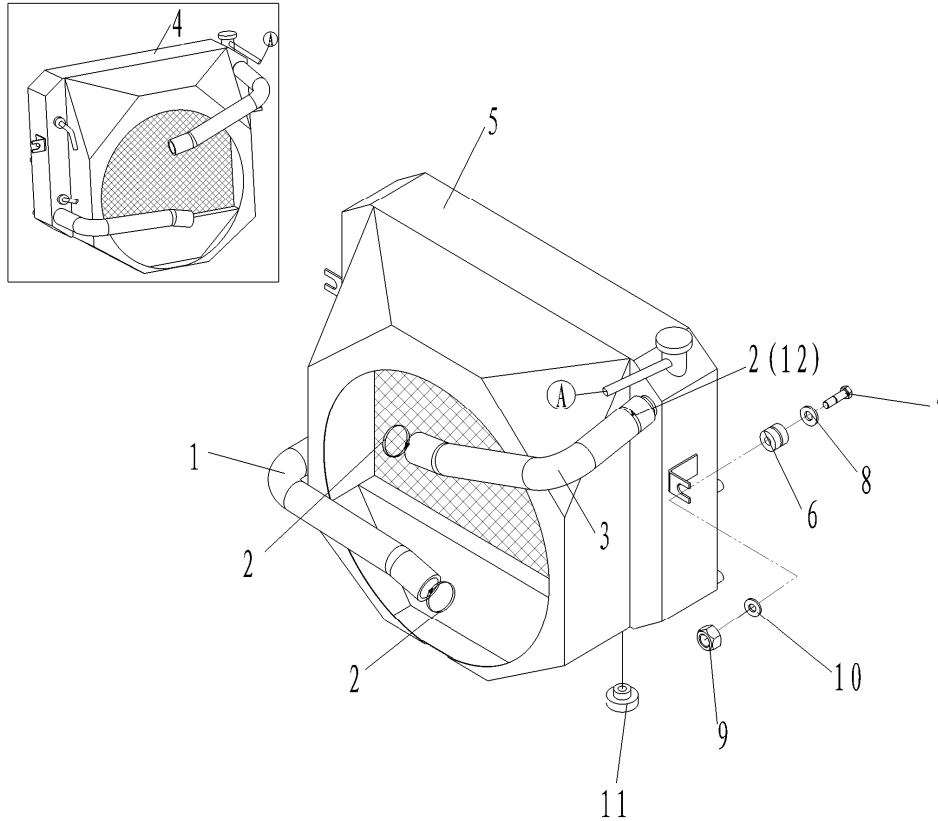
图9/FIG9.

散热器及安装/RADIATOR ASS'Y

FD10, 15, 18 (T) -M2GI

FG(L) 10, 15, 18 (T) -M2WB

FG(L) 10, 15, 18 (T) -M2GA

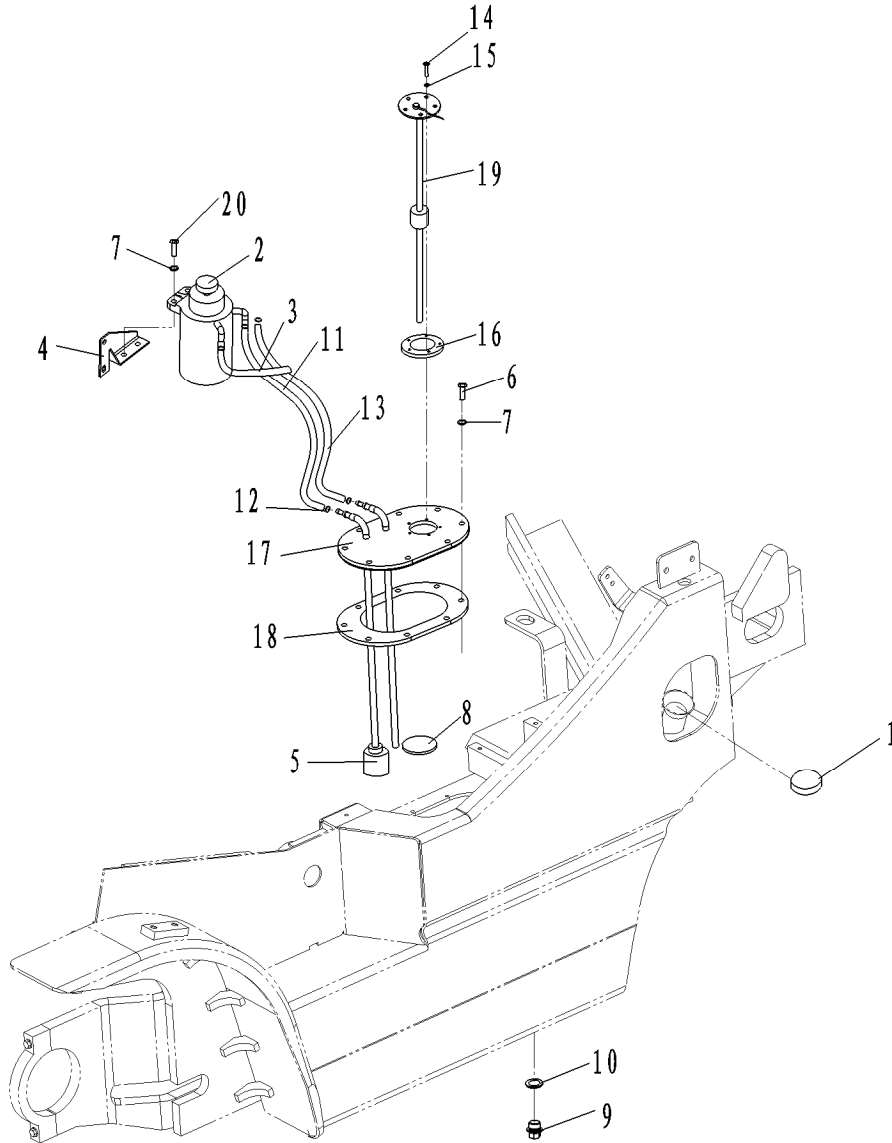


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark	
A	-	Cooling system	冷却系统	1	
01	M1532100003	Lower hose	下水管	1	485
-	M15221NN00001	Lower hose	下水管	1	K21
	15221F-00002	Lower hose	下水管	1	WF491
02	QC/T390-1999	Hoop Φ45	双钢丝环箍Φ45	2	485
-	QC/T390-1999	Hoop Φ45	双钢丝环箍Φ45	4	K21
03	M1532100002	Upper hose	上水管	1	485
-	M30221N00001	Upper hose	上水管	1	K21
	15221F-00002	Upper hose	上水管		WF491
04	M15421-01000	Radiator ass'y	散热器总成	1	485液力 (Hvd.)
-	M15221NN-01000	Radiator ass'y	散热器总成	1	K21液力 (Hvd.)
-	M15261F-01000	Radiator ass'y	散热器总成		491液力 (Hvd.)
05	M1532104000	Radiator ass'y	散热器总成	1	485机械 (Mech.)
-	M15121NN01000	Radiator ass'y	散热器总成	1	K21机械 (Mech.)
	M15121F-01000	Radiator ass'y	散热器总成		491机械 (Mech.)
06	M3032100010	Rubber damper B	橡胶垫B	2	
07	M3032100012	Radiator bolt	水箱螺栓	2	
08	GB/T96.2-2002	Washer 12	垫圈12	2	
09	GB/T889.1-2000	Nut M8	螺母M8	2	
10	GB/T97.1-2002	Washer 8	垫圈8	2	
11	M3032100009	Rubber damper A	橡胶垫A	2	
12	QC/T390-1999	Hoop Φ48	双钢丝环箍Φ48	2	485

图10/FIG10.

燃油装置及安装/FUEL SYSTEM

FD10, 15, 18 (T) -MGI

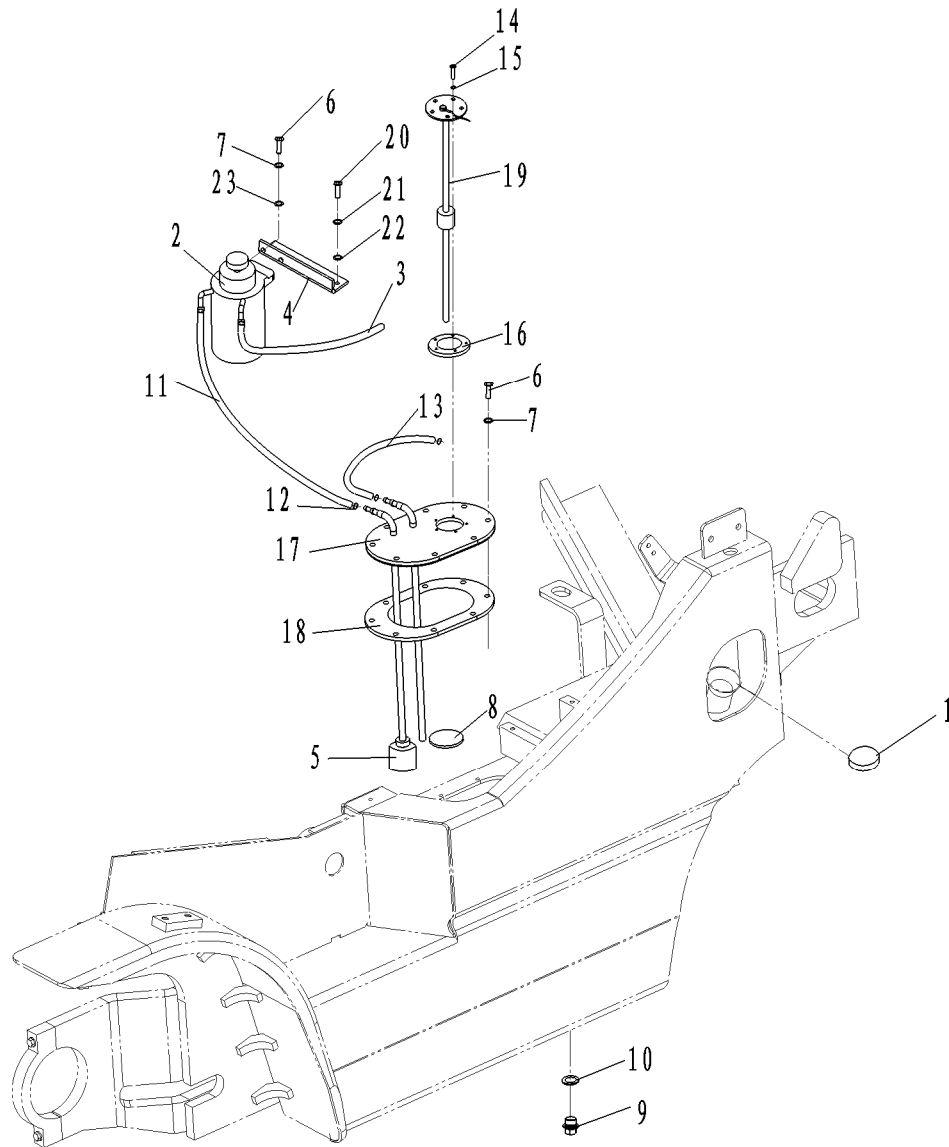


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Fuel system mount	燃油装置及安装	1
01	M3032200001	Oiling cap	加油盖	1
02	M3032203000	Oil-water separator	油水分离器	1
03	M3032200005	Hose $\Phi 6 \times 3$ -(550)	胶管 $\Phi 6 \times 3$ -(550)	1
04	M3032200008	Oil-water separator bracket	油水分离器支架	1
05	M3032202000	Fuel filter	滤油器	1
06	GB/T5783-2000	Bolt M8×20	螺栓M8×20	8
07	GB/T93-1987	Spring washer 8	垫圈8	10
08	M3032200003	Magnet $\phi 50 \times 8$	吸铁石 $\phi 50 \times 8$	1
09	M3032200002	Drain plug	放油塞	1
10	JB982-1977	Washer 20	垫圈20	1
11	M3032200006	Hose $\Phi 6 \times 3$ -(1050)	胶管 $\Phi 6 \times 3$ -(1050)	1
12	QC/T390-1999	Hoop $\Phi 16$	双钢丝环箍 $\Phi 16$	6
13	M3032200004	Hose $\Phi 6 \times 3$ -(1400)	胶管 $\Phi 6 \times 3$ -(1400)	1
14	GB/T818-2000	Screw M5×12	螺钉M5×12	5
15	GB/T93-1987	Spring washer 5	垫圈5	5
16	M3032204001	Gasket	垫	1
17	M3032201000	Cover plate	燃油箱盖板总成	1
18	M3032200007	Gasket	密封垫	1
19	M3032204000	Fuel quantity sensor	油感	1
20	GB/T5783-2000	Bolt M8×30	螺栓M8×30	2

图11/FIG11.

燃油装置及安装/FUEL SYSTEM

FD10, 15, 18 (T) -MWA/B



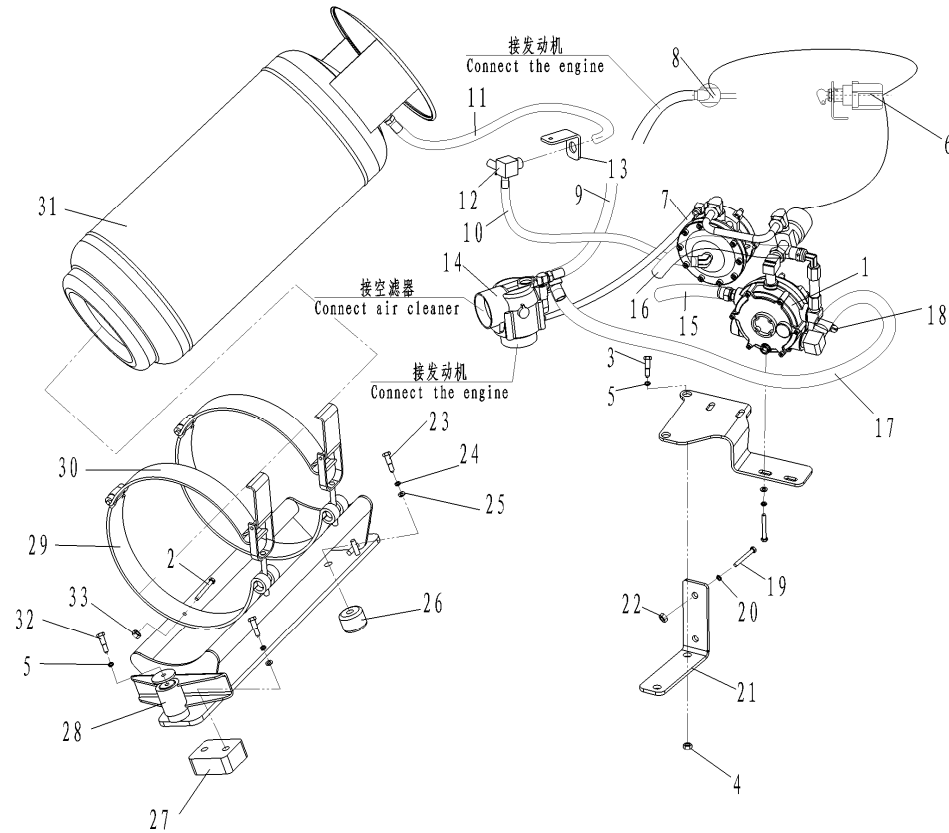
序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Fuel system mount	燃油装置及安装	1
01	M3032200001	Oiling cap	加油盖	1
02	-	Oil-water separator	油水分离器	1
03	M3032200006	Hose $\Phi 6 \times 3$ -(1050)	胶管 $\Phi 6 \times 3$ -(1050)	1
04	M30422100001	Oil-water separator bracket	油水分离器支架	1
05	M3032202000	Fuel filter	滤油器	1
06	GB/T5783-2000	Bolt M8 \times 20	螺栓M8 \times 20	10
07	GB/T93-1987	Spring washer 8	垫圈8	10
08	M3032200003	Magnet $\Phi 50 \times 8$	吸铁石 $\Phi 50 \times 8$	1
09	M3032200002	Drain plug	放油塞	1
10	JB982-1977	Washer 20	垫圈20	1
11	M30422100002	Hose $\Phi 6 \times 3$ -(800)	胶管 $\Phi 6 \times 3$ -(800)	1
12	QC/T390-1999	Hoop $\Phi 16$	双钢丝环箍 $\Phi 16$	6
13	M30422100003	Hose $\Phi 6 \times 3$ -(400)	胶管 $\Phi 6 \times 3$ -(400)	1
14	GB/T818-2000	Screw M5 \times 12	螺钉M5 \times 12	5
15	GB/T93-1987	Spring washer 5	垫圈5	5
16	M3032204001	Gasket	垫	1
17	M3032201000	Cover plate	燃油箱盖板总成	1
18	M3032200007	Gasket	密封垫	1
19	M3032204000	Fuel quantity sensor	油感	1
20	GB/T5783-2000	Bolt M6 \times 20	螺栓M6 \times 20	2
21	GB/T93-1987	Spring washer 6	垫圈6	2
22	GB/T97.1-1987	Washer 6	垫圈6	2
23	GB/T97.1-1987	Washer 6	垫圈8	2

图14/FIG14.

转换装置及安装 (汽油机) / CONVERSION SYSTEM (GASOLINE)

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA

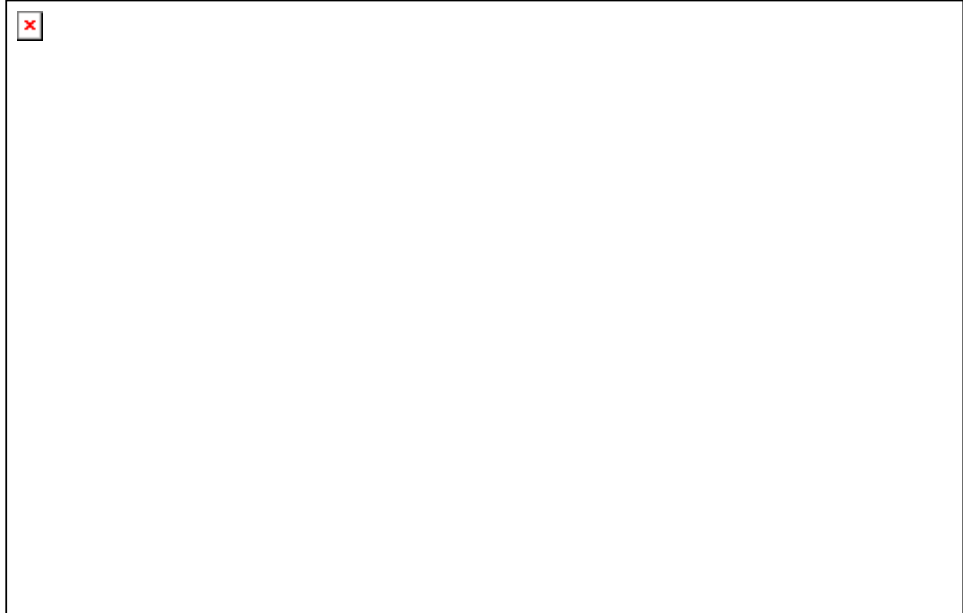


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Conversion system mount	转换装置及安装	1
01	M30672N01000	Carburetor and filter ass'y	调节器与过滤器总成	1
02	GB/T819.2-1997	Bolt M10×40	十字头螺栓M10×40	4
03	GB/T5783-2000	Bolt M10×20	螺栓 M10×20	2
04	GB/T6170-2002	Nut M10	螺母 M10	2
05	GB/T93-1987	Spring washer 10	垫圈 10	3
06	M30672N07000	GAS-LPG switch	GAS-LPG转换开关	1
07	M30672N00006	Vacuum hose	真空管	1
08	M30672N04000	Solenoid valve	电磁阀	1
09	M30672N00005	Hose	胶管	1
10	M30672N05000	Gas hose	气管	1
11	M30672N06000	H.P. hose	高压胶管	1
12	M30672N03000	T-connector	三通接头	1
13	M30672N00002	Valve bracket	释压阀支架	1
14	M30672N02000	Mixer	混合器	1
15	M30672N00004	Water hose	水管	1
16	M30672N00007	Water hose	水管	1
17	M30672N00003	Gas hose	气管	1
18	JB/T8870-1999	Hoop d32	喉箍 d32	6
19	GB/T5783-2000	Bolt M8×20	螺栓 M8×20	2
20	GB/T93-1987	Spring washer 8	垫圈 8	2
21	M30672N00001	Bracket	转换器支架	1
22	GB/T6170-2002	Nut 8	螺母 8	2
23	GB/T5782-2000	Bolt M12×65	螺栓 M12×65	3
24	GB93-1987	Spring washer 12	垫圈 12	3

图16/FIG16.

消音器及安装/MUFFLER ASS'Y

FD10, 15, 18 (T) -MWA/B/C



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Muffler ass'y mount	1	
01	-	Gasket	1	
02	GB/T6170-2000	Nut M10	4	C240
-	GB/T6170-2000	Nut M8	4	YANMAR
03	GB/T93-1987	Spring washer 10	4	C240
-	GB/T93-1987	Spring washer 8	4	YANMAR
04	M15423I02000	Exhaust pipe	1	C240
-	M15423Y01000	Exhaust pipe	1	YANMAR
05	M3032300003	Stopper	1	
06	M3032300002	Rubber pad	2	
07	M3032300001	Muffler bolt	2	
08	GB/T889.1-2000	Nut M8	2	
09	GB/T97.1-2002	Washer 10	2	
10	GB/T97.1-2002	Washer 8	4	
11	M15423I01000	Muffler	1	1.0t, 1.5t
-	M18423I01000	Muffler	1	1.8t
12	GB/T6170-2000	Nut M8	2	
13	GB/T93-1987	Spring washer 8	2	
14	M3032300004	U Bolt	1	

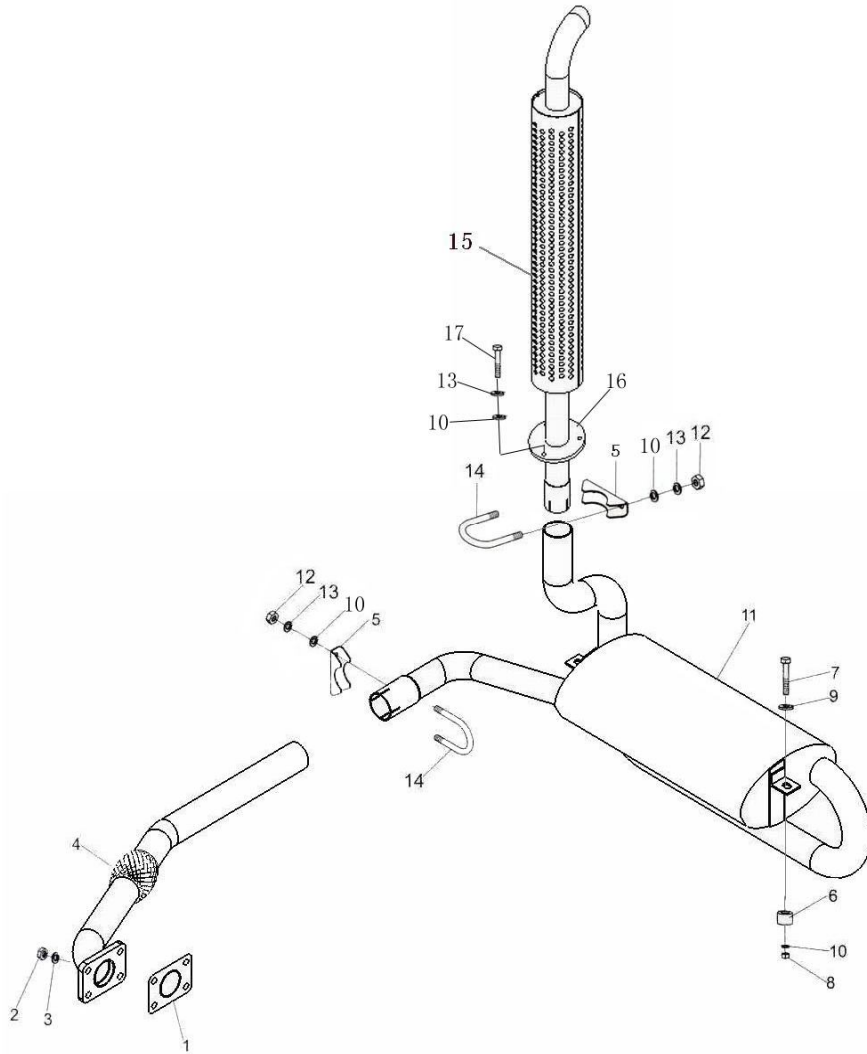
图19/FIG19.

消音器及安装/MUFFLER ASS'Y

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA

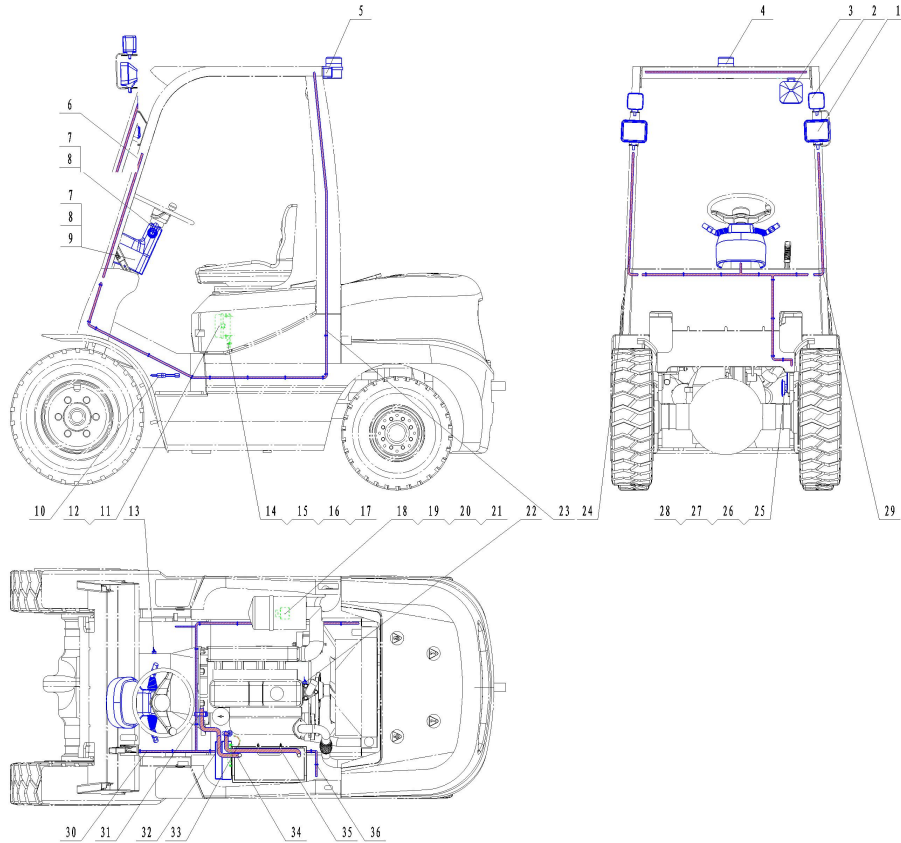


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark	
A	-	Muffler ass'y mount	消音器及安装	1	
01	-	Gasket	垫片	1	
02	GB/T6171-2000	Nut M10×1.25	螺母M10×1.25	4	
03	GB/T93-1987	Spring washer 10	垫圈10	4	
04	M15423I02000	Exhaust pipe	排气管	1	C240
-	M15423Y01000	Exhaust pipe	排气管	1	YANMAR
-	M15423NN01000	Exhaust pipe	排气管	1	NISSAN
-	15223F-01000	Exhaust pipe	排气管	1	WF491
-	15223F-02000	Exhaust pipe	排气管	1	WF491
05	M3032300003	Stopper	卡板	2	
06	M3032300002	Rubber pad	橡胶垫	2	
07	M3032300001	Muffler bolt	消音器螺栓	2	
08	GB/T889.1-2000	Nut M8	螺母M8	2	
09	GB/T97.1-2002	Washer 10	垫圈10	2	
10	GB/T97.1-2002	Washer 8	垫圈8	9	
11	15S23A-01000	Muffler	消音器	1	
12	GB/T6170-2000	Nut M8	螺母M8	4	
13	GB/T93-1987	Spring washer 8	垫圈8	7	
14	M3032300004	U Bolt	U型螺栓	2	
15	30S23-02000	Vertical exhaust	高位排气管	1	
16	30S23-00001	Asbestos cushion	石棉垫	1	
17	GB/T5783-2000	Bolt M8×25	螺栓M8×25	3	

图20/FIG20.

电气系统 / ELECTRIC SYSTEM

FD10, 15, 18(T)-MGI

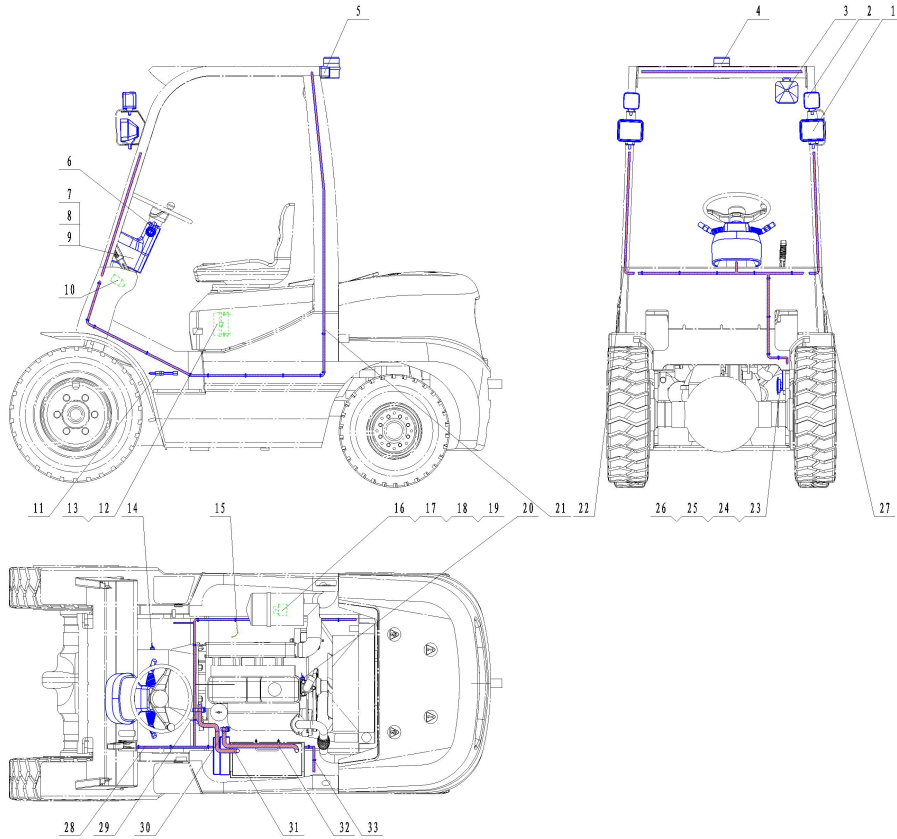


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	30324-00000	Electric system	电气系统	1
1	30324-00018	Head lamp ass'y	大灯WD107×84-1B	2 原图号为 30424-00018
2	30324-00019	Front combination lamp ass'y	双面黄方灯Z-QX85×85	2 原图号为 30424-00019
3	30324-00021	Tail lamp	大灯WD100×90	1
4	30324-00022	Caution light	警示灯LTD152	1
5	30324-00020	Rear combination lamp ass'y	三色尾灯Z-HXF220×55	2 原图号为 30424-00020
6	30324-00016	Lamp switch	灯开关TBZHK40	1 原转向开关 30424-00016
	30424-00016	Combination switch	组合开关TBZHK25	1 原方向开关 30424-00017
7	30324-55000	Display	组合仪表HZB909Y-MKS	1 原英科仪表变更为 协力909仪表
8	GB/T5781-2000	Bolt M6×35	螺栓M6×35	4
9	GB/T96.1-2002	Washer M6	特大垫圈M6	4
10	30324-00034	Brake switch	制动灯开关	1 原图号为 30424-00034
11	30324-09000	Electrical box	电器盒	1 原图号为 30424-09000
12	GB/T5781-2000	Bolt M6×30	螺钉M6×30	1
13	30324-00036	Oil temperature switch WG459	油温开关WG459	1 专配909仪表+液力 变速箱
14	30324-00033	Electronic regulator	电子调节器JFT147-14C	1 原图号为 30424-00033
15	GB/T5783-2000	Blot M6×12	螺栓M6×12	2
16	GB97.1-2002	Washer M6	垫圈M6	2
17	GB93-1987	Washer M6	垫圈M6	2
18	30324-00035	Buzzer	倒车蜂鸣器DJB-12B	1 原图号为 30424-00035
19	GB/T5783-2000	Blot M8×16	螺栓M8×16	1
20	GB97.1-2002	Washer M6	垫圈M6	1
21	GB93-1987	Washer M6	垫圈M6	1
22	30324-00038	Water temperature sensor	水温传感器WG409	1 发动机自带
23	30324-05000	Rear light wiring harness	尾灯线束	1 原图号为 30424-05000

图21/FIG21.

电气系统 / ELECTRIC SYSTEM

FD10, 15, 18 (T) -MWA/B

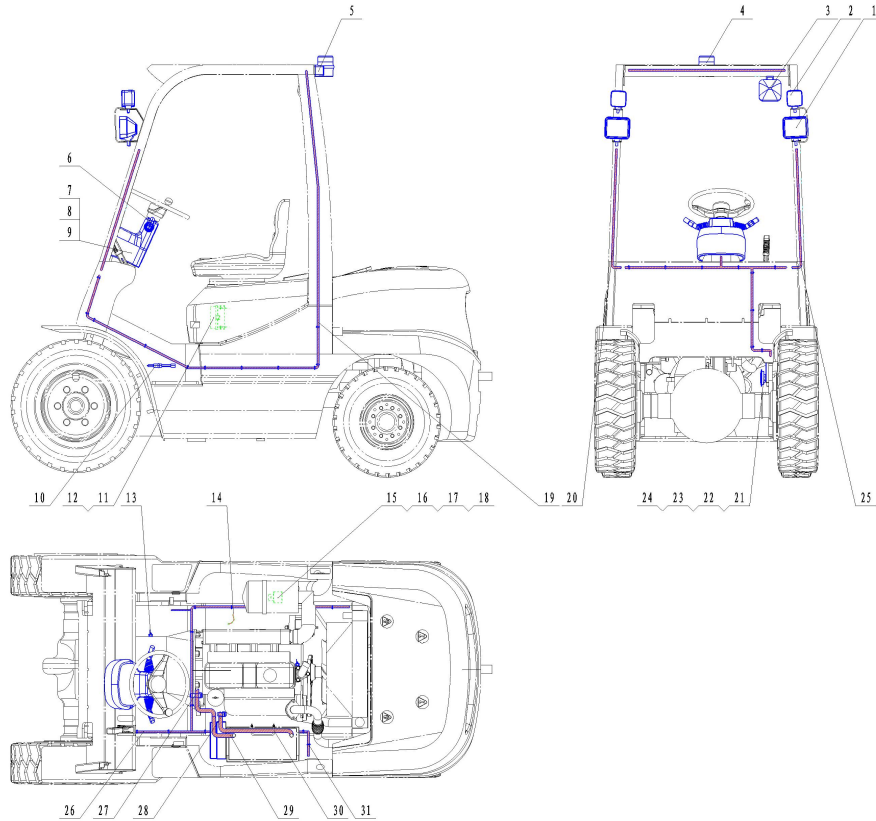


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	30424I-00000	Electric system		电气系统
1	30324-00018	Head lamp ass'y	2	原图号为 30424-00018
2	30324-00019	Front combination lamp ass'y	2	原图号为 30424-00019
3	30324-00021	Tail lamp	1	
4	30324-00022	Caution light	1	
5	30324-00020	Rear combination lamp ass'y	2	原图号为 30424-00020
6	30324-00016	Lamp switch	1	原转向开关 30424-00016
	30424-00016	Combination switch	1	原方向开关 30424-00017
7	30424-51000	Display	1	
8	GB/T5781-2000	Bolt M6×35	4	
9	GB/T96.1-2002	Washer M6	4	
10	-	Calculagraph	1	计时器
11	30324-00034	Brake switch	1	原图号为 30424-00034
12	30324-09000	Electrical box	1	原图号为 30424-09000
13	GB/T5781-2000	Bolt M6×30	1	
14	30424-00036	Oil temperature sensor	1	
15	30324-01001	Fusibl link wire	1	原图号为 30424-01001
16	30324-00035	Buzzer	1	原图号为 30424-00035
17	GB/T5783-2000	Blot M8×16	1	
18	GB97.1-2002	Washer M6	1	
19	GB93-1987	Washer M6	1	
20	30324-00038	Water temperature sensor	1	
21	30324-05000	Rear light wiring harness	1	原图号为 30424-05000
22	30324-04000	Front light(right) wiring harness	1	原图号为 30424-04000
23	30324-00030	Horn	1	

图22/F1G22.

电气系统 / ELECTRIC SYSTEM

FD10, 15, 18 (T) -MWC

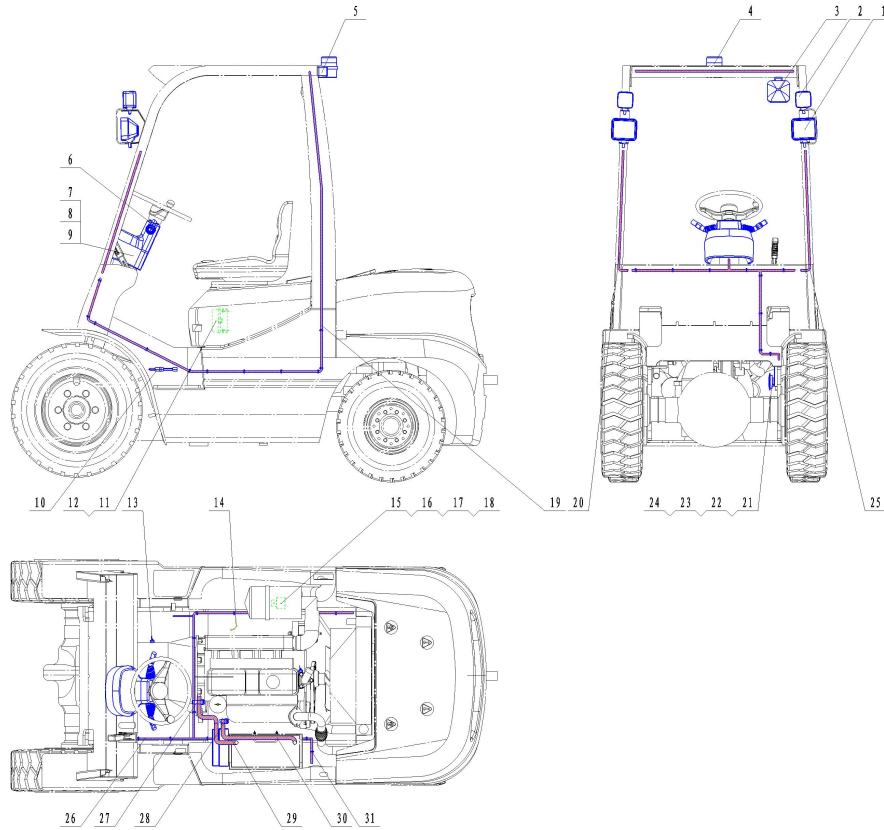


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	30424Y-00000	Electric system		电气系统
1	30324-00018	Head lamp ass'y	2	原图号为 30424-00018
2	30324-00019	Front combination lamp ass'y	2	原图号为 30424-00019
3	30324-00021	Tail lamp	1	
4	30324-00022	Caution light	1	
5	30324-00020	Rear combination lamp ass'y	2	原图号为 30424-00020
6	30324-00016	Lamp switch	1	原转向开关 30424-00016
	30424-00016	Combination switch	1	原方向开关 30424-00017
7	30424Y-50000	Display	1	组合仪表HZB908W2-MKS
8	GB/T5781-2000	Bolt M6×35	4	螺栓M6×35
9	GB/T96.1-2002	Washer M6	4	特大垫圈M6
10	30324-00034	Brake switch	1	原图号为 30424-00034
11	30324-09000	Electrical box	1	原图号为 30424-09000
12	GB/T5781-2000	Bolt M6×30	1	螺钉M6×30
13	30424-00036	Oil temperature sensor	1	油温传感器WG408
14	30324-01001	Fusibl link wire	1	原图号为 30424-01001
15	30324-00035	Buzzer	1	原图号为 30424-00035
16	GB/T5783-2000	Blot M8×16	1	螺栓M8×16
17	GB97.1-2002	Washer M6	1	垫圈M6
18	GB93-1987	Washer M6	1	垫圈M6
19	30324-05000	Rear light wiring harness	1	原图号为 30424-05000
20	30324-04000	Front light(right) wiring harness	1	原图号为 30424-04000
21	30324-00030	Horn	1	喇叭DL-124
22	GB/T5783-2000	Blot M8×16	1	螺栓M8×16
23	GB97.1-2002	Washer M8	1	垫圈M8

图23/FIG23.

电气系统 / ELECTRIC SYSTEM

FG(L) 10, 15, 18 (T) -MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	30224N-00000	Electric system		电气系统
1	30324-00018	Head lamp ass'y	2	原图号为 30424-00018
2	30324-00019	Front combination lamp ass'y	2	原图号为 30424-00019
3	30324-00021	Tail lamp	1	
4	30324-00022	Caution light	1	
5	30324-00020	Rear combination lamp ass'y	2	原图号为 30424-00020
6	30324-00016	Lamp switch	1	原转向开关 30424-00016
	30424-00016	Combination switch	1	原方向开关 30424-00017
7	30224N-50000	Display	1	组合仪表HZB908W4-MKS
8	GB/T5781-2000	Bolt M6×35	4	螺栓M6×35
9	GB/T96.1-2002	Washer M6	4	特大垫圈M6
10	30324-00034	Brake switch	1	原图号为 30424-00034
11	30324-09000	Electrical box	1	原图号为 30424-09000
12	GB/T5781-2000	Bolt M6×30	1	螺钉M6×30
13	30424-00036	Oil temperature sensor	1	油温传感器WG408
14	30324-01001	Fusibl link wire	1	原图号为 30424-01001
15	30324-00035	Buzzer	1	原图号为 30424-00035
16	GB/T5783-2000	Blot M8×16	1	螺栓M8×16
17	GB97.1-2002	Washer M6	1	垫圈M6
18	GB93-1987	Washer M6	1	垫圈M6
19	30324-05000	Rear light wiring harness	1	原图号为 30424-05000
20	30324-04000	Front light(right) wiring harness	1	原图号为 30424-04000
21	30324-00030	Horn	1	喇叭DL-124
22	GB/T5783-2000	Blot M8×16	1	螺栓M8×16
23	GB97.1-2002	Washer M8	1	垫圈M8

图28/FIG28.

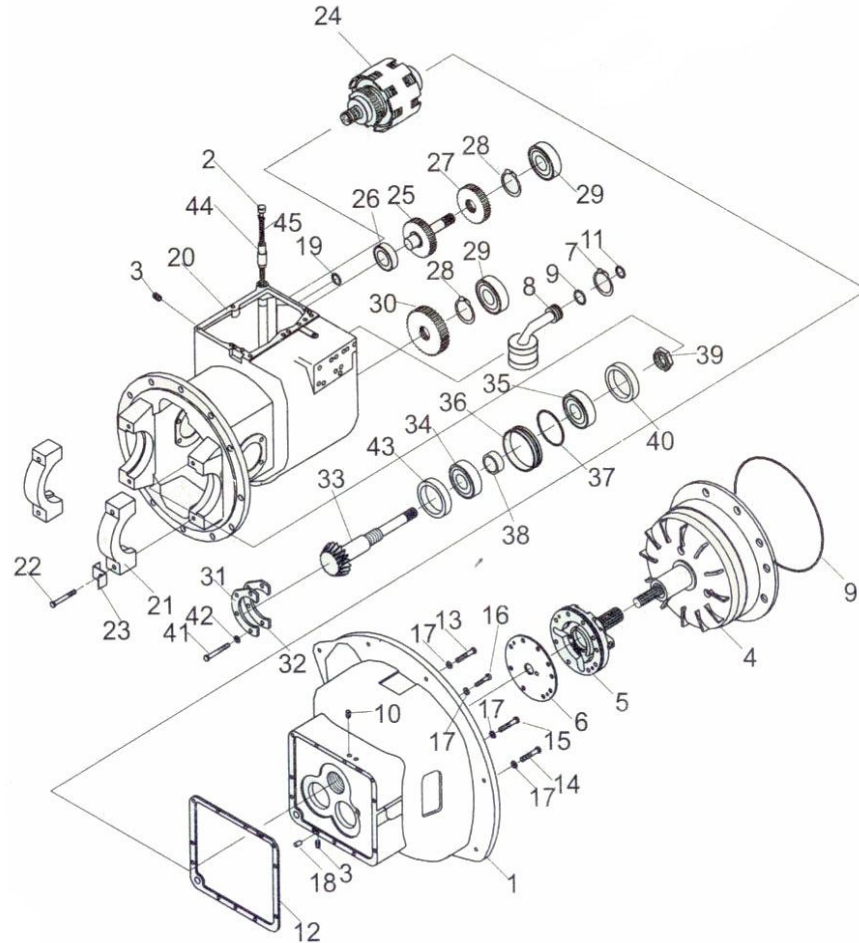
传动装置安装(液力式)/DRIVE UNIT MOUNT (TOR-CON TYPE)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA

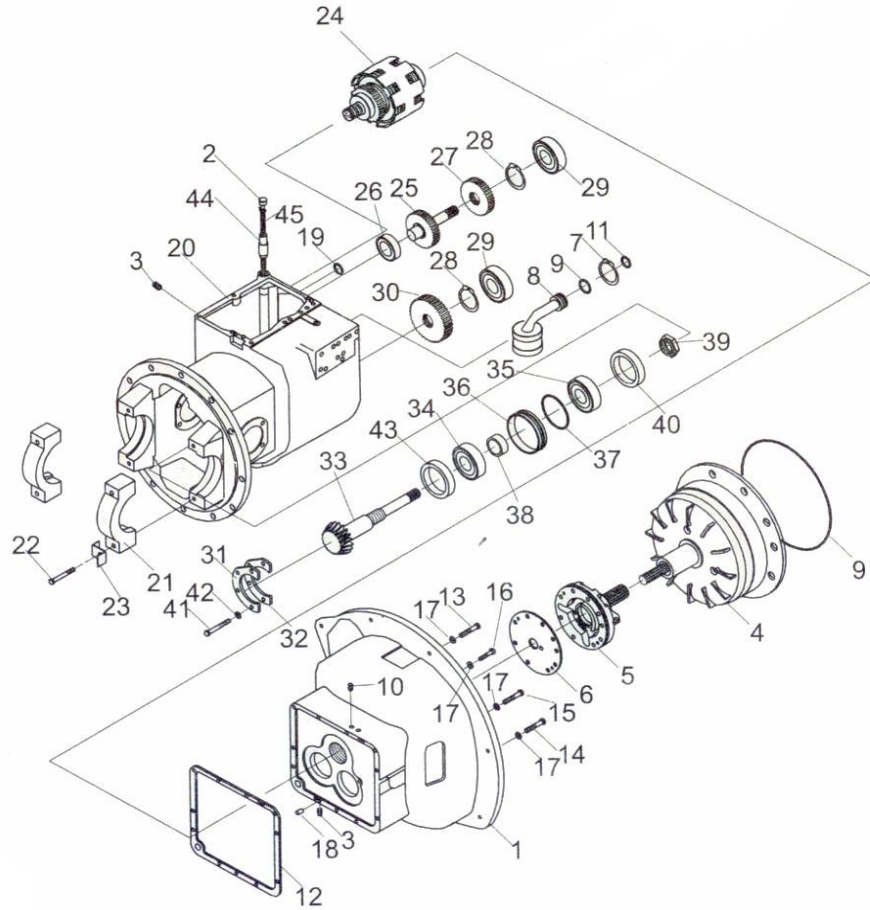


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark	
01	YDS30.035	Tor-con housing	变矩器壳体	1	
02	YDS30.909	Cup	加油口盖	1	
03	YDS30.103	Plug 1/2"	螺塞1/2"	1	
04	YJH265	Tor-con ass'y	变矩器总成	1	
05	YDS30.906	Charging pump ass'y	供油泵总成	1	See Fig.28
06	YDS30.100	Gasket	衬垫	1	
07	GB/T894.1-86	Snap spring35	挡圈35	1	
08	YDS30.808	Strainer	滤油器	1	
09	GB/T1235-76	O-ring 35×3.1	O形圈35×3.1	1	
10	YDS30.104	Plug 1/4"	内六角螺塞1/4"	2	
11	GB/T1235-76	O-ring 28×3.5	O形圈28×3.5	1	
12	YDS30.038	Gasket	垫片	1	
13	GB/T5783-86	Bolt M10×30	螺栓M10×30	1	
14	GB/T5783-86	Bolt M10×50	螺栓M10×50	3	
15	GB/T5783-86	Bolt M10×55	螺栓M10×55	1	
16	GB/T5783-86	Bolt M10×75	螺栓M10×75	4	
17	GB/T93-87	Spring washer 10	垫圈10	9	
18	GB/T119-86	Pin12×20	销12×20	2	
19	GB/T1235-76	O-ring 15×2.4	O形圈15×2.4	1	
20	YDS25.001	Housing	壳体	1	YQX25
21	YDS25.002	Bearing seat	轴承座	2	YQX25
22	YDS30.089	Bolt	螺栓	4	
23	YDS25.003	Lock plate	锁片	4	YQX25
24	YDS18.901	Hydraulic clutch ass'y	离合器总成	1	
25	YDS30.025	Idler shaft	惰性轴	1	

图28/FIG28.

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

FD10, 15, 18 (T) -MGI
 FD10, 15, 18 (T) -MWA/B/C
 FG(L) 10, 15, 18 (T) -MWB
 FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
26	GB/T276-94	Bearing 6206-2RS	轴承6206-2RS	1
27	YDS30.037	Idler gear	惰轮	1
28	GB/T893.1-86	Snap spring24	挡圈24	2
29	GB/T276-94	Bearing 6207	轴承6207	2
30	YDS30.036	Output gear	输出齿轮	1
31	YDS30.021	Bearing plate	支承片	1
32	YDS30.022(δ=0.1)	Shim	垫片	按需
-	YDS30.022(δ=0.2)	Shim	垫片	按需
-	YDS30.022(δ=0.5)	Shim	垫片	按需
33	YDS18.003	Output shaft	输出轴	1
34	GB/T297-94	Bearing 32208	轴承32208	2
35	GB/T297-94	Bearing 30208	轴承30208	1
36	YDS30.023	Oil seal retainer	油封保持架	1
37	GB/T1325-76	O-ring 80×3.1	O形圈80×3.1	1
38	12163-82131	Oil seal	油封	1
39	YDS30.024	Nut	螺母	1
40	YDS30.019(δ=0.1)	Shim	垫	按需
-	YDS30.019(δ=0.2)	Shim	垫	按需
-	YDS30.019(δ=0.5)	Shim	垫	按需
41	GB/T5783-86	Shim	垫	4
42	GB/T93-87	Bolt M8×20	螺栓M8×20	15
43	YDS30.020	Collar	轴环	1
44	YDS30.049	Pipe oil fill	加油管	1
45	-	Gasket	衬垫	1

图29/FIG29.

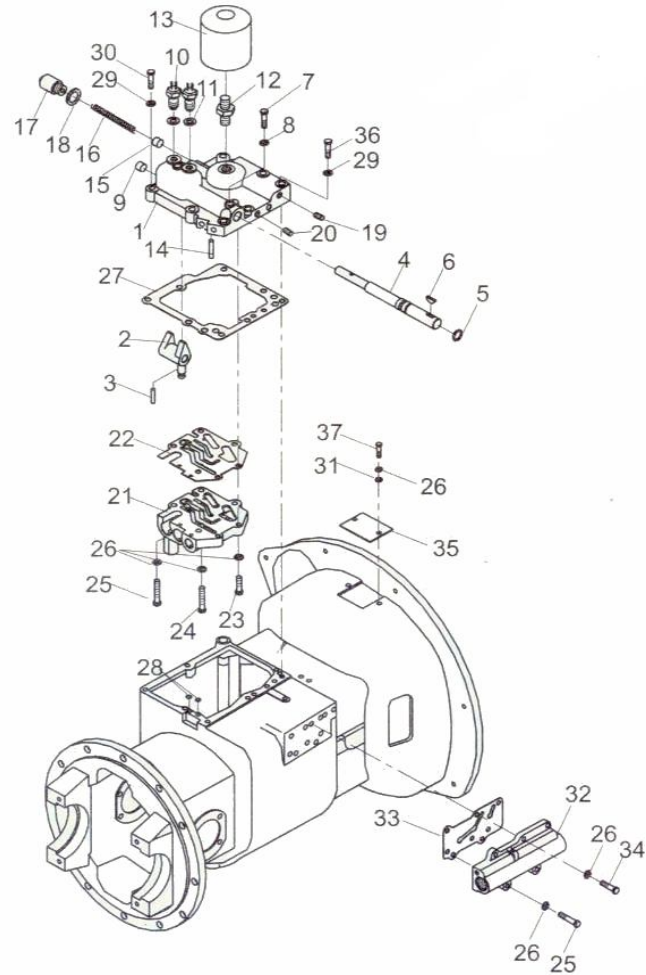
传动装置(盖和微动阀)/DRIVE UNIT (COVER&INCHING VALVE)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	YDS30.066	Housing cover	壳体盖 1	
02	YDS30.033	Shift arm	变速臂 1	
03	GB/T879-86	Pin 6×32	销6×32 1	
04	YDS30.032	Shift arm shaft	变速臂轴 1	
05	GB/T1235-76	O-ring 20×2.4	O形圈20×2.4 1	
06	GB/T1099-79	Woodruf key 5×19	半圆键5×19 1	
07	YDS30.068	Bolt	螺栓 1	
08	Q/301B 202-86	Seal ring	密封圈 1	
09	YDS30.034	Plug	塞子 1	
10	JK208	Reverse lamp switch	倒车灯开关 2	
11	14×24×2	Shim	垫片 2	
12	YDS30.048	Connector	管接头 1	
13	YDS30.904	Transmission filter	滤油器 1	
14	GB/T879-86	Pin 4×25	弹性圆柱销4×25 1	
15	YDS30.052	Piston	活塞 1	
16	YDS30.050	Spring	弹簧 1	
17	YDS30.051	Safety valve cup	安全阀盖 1	
18	Q/301B 202-86	Seal ring	密封圈 1	
19	YDS30.103	Plug 1/8"	螺塞1/8" 4	
20	YDS30.102	Plug 1/4"	螺塞1/4" 6	
21	YDS30.904	Control valve ass'y	控制阀总成 1	See Fig.30
22	YDS30.065	Gasket	垫片 1	
23	GB/T5783-86	Bolt M8×35	螺栓M8×35 2	
24	GB/T5783-86	Bolt M8×55	螺栓M8×55 2	
25	GB/T5783-86	Bolt M8×50	螺栓M8×50 4	

图31/FIG31.

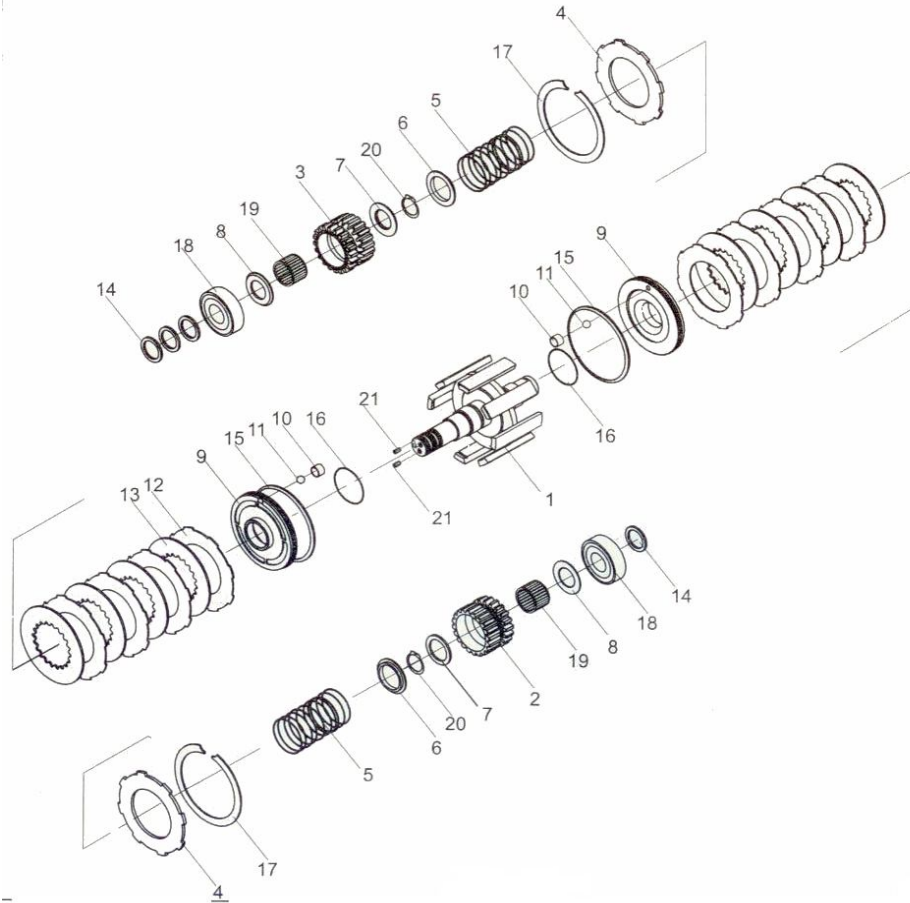
液力离合器(液力式)/HYDRAULIC CLUTCH(TOR-CON TYPE)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	YDS30.901	Hydraulic clutch ass'y	离合器总成	1
01	YDS30.802	Input shaft ass'y	输入轴总成	1
02	YDS30.007	Reverse gear	倒车挡齿轮	1
03	YDS30.008	Forward gear	前进挡齿轮	1
04	YDS18.002	End plate	端板	2
05	YDS30.009	Return spring	回程弹簧	2
06	YDS30.010	Spring seat	弹簧座	2
07	YDS30.011	Thrust ring A	止推环A	2
08	YDS30.012	Thrust ring B	止推环B	2
09	YDS30.005	Piston	活塞	1
10	YDS30.006	Plug	塞	1
11	GB/T308-89	Steel ball 4.0000G200b	钢球4.0000G200b	1
12	11243-82141	Friction plate	摩擦片	6
13	123S3-82111	Separate plate	隔片	6
14	YDS30.015	Seal ring A	密封环A	4
15	YDS30.016	Seal ring B	密封环B	2
16	GB/T1235-76	O-ring 40×3.5	O形圈40×3.5	2
17	YDS30.017	Snap ring	卡环	2
18	GB/T276-94	Bearing 6206	深沟球轴承6206	2
19	GB/T5846-86	Needle Bearing	滚珠轴承	2
20	GB/T894.1-86	Snap spring40	挡圈40	2
21	GB/T77-85	Screw M8×8	螺钉M8×8	2

图34/FIG34.

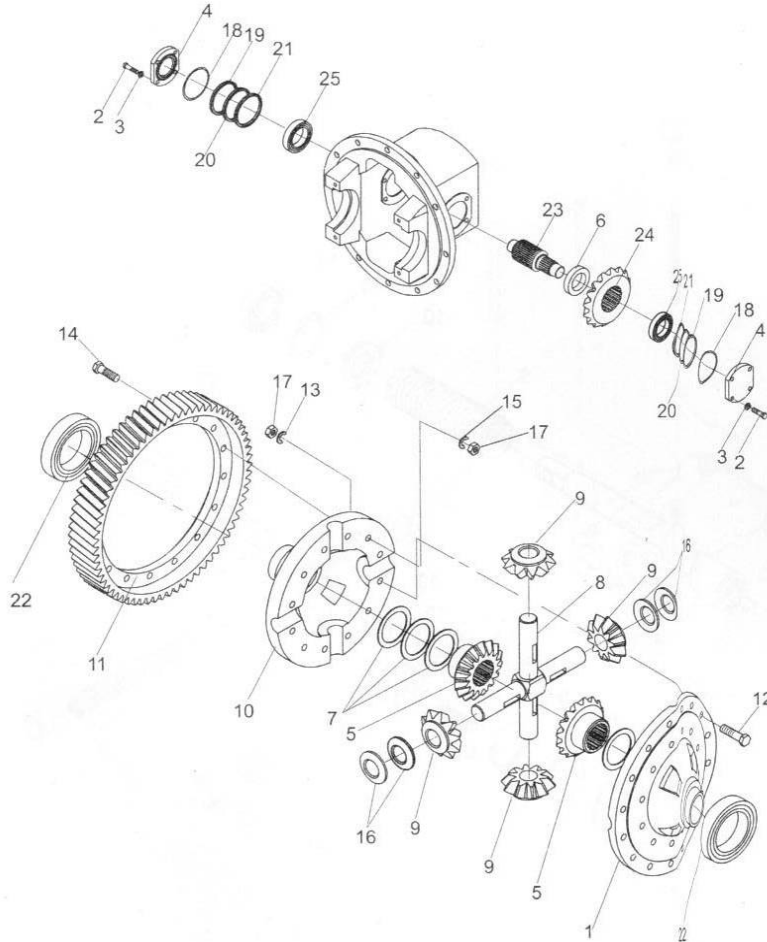
差速器总成/DIFFERENTIAL

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	YDS25.005	Differential housing(L.H.)	1	左差速器壳体
02	GB/T5783-86	Bolt M10×25	8	螺栓M10×25
03	GB/T93-87	Spring washer 10	8	垫圈10
04	YDS30.087	Bearing cover	2	轴承盖
05	YDS25.011	Half axle gear	2	半轴齿轮
06	YDS30.086	Bushing	1	衬套
07	YDS25.012(δ=1.8)	Washer	2	垫圈
-	YDS25.012(δ=2.0)	Washer	2	垫圈
-	YDS25.012(δ=2.2)	Washer	2	垫圈
-	YQS25.012(δ=2.4)	Washer	2	垫圈
08	YDS25.008	Cross shaft	1	十字轴
09	YDS25.007	Planet gear	4	行星齿轮
10	YDS25.004	Differential housing(R.H.)	1	右差速器壳体
11	YDS25.010	Gear ring	1	齿圈
12	YDS25.013	Bolt	12	螺栓
13	YDS25.014	Lock plate	6	锁片
14	YDS30.077	Bolt	16	螺栓
15	YDS30.088	lock plate	8	锁片
16	YDS25.006(δ=1.8)	Thrust washer	4	止推垫圈
-	YDS25.006(δ=2.0)	Thrust washer	4	止推垫圈
-	YDS25.006(δ=2.2)	Thrust washer	4	止推垫圈
17	GB/T6176-86	Nut M10×1.25	28	螺母M10×1.25
18	GB/T1235-76	O-ring 75×3.1	2	O形圈75×3.1
19	YDS30.090(δ=0.5)	Shim		垫片 按需
20	YDS30.090(δ=0.2)	Shim		垫片 按需

图35/FIG35.

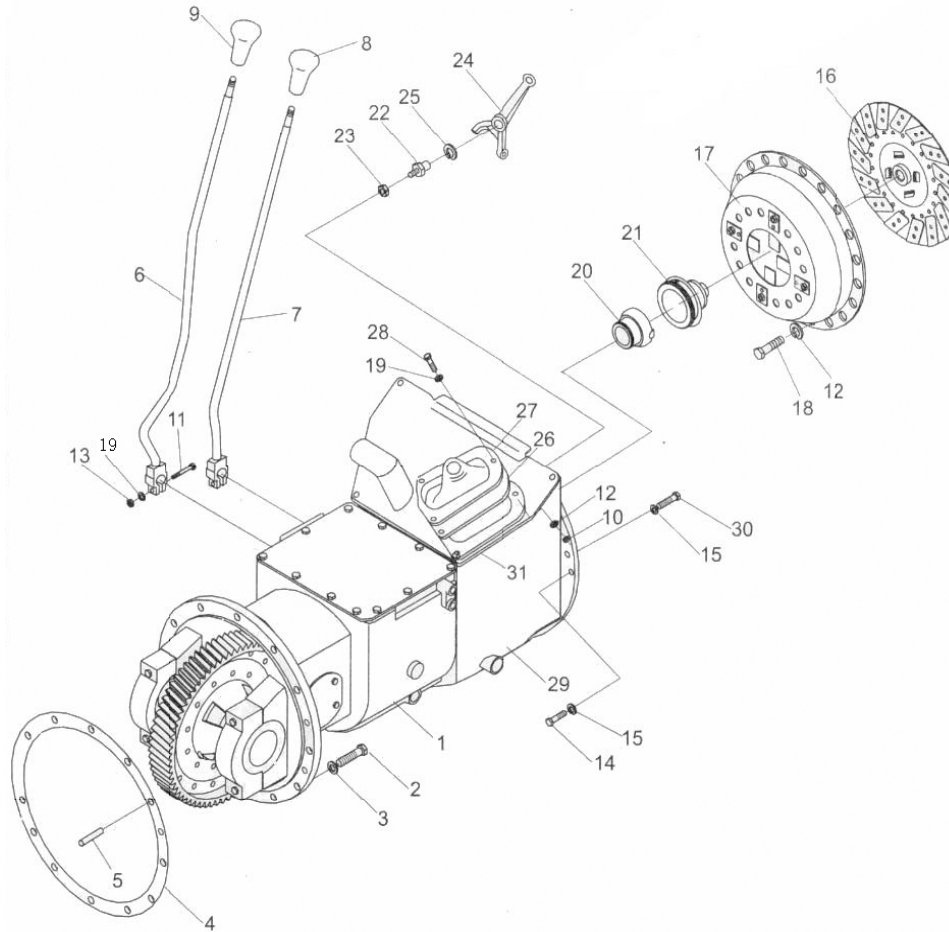
传动装置安装(机械式)/DRIVE UNIT MOUNT (CLUTCH TYPE)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	JDS18IIB	Transmission system ass'y	1	C240/YANM AR92
-	JDS18II	Transmission system ass'y	1	485
02	GB/T5785-2000	Bolt M12×1.25×40	12	
03	GB/T93-87	Spring washer 12	12	
04	M2031600001	Gear box gasket	1	
05	GB/T119.2-2000	Pin 10×30	1	
06	M3033900002	Speed shift lever	1	
07	M3033900001	Direction shift lever	1	
08	M3033900003	Direction shift knob	1	
09	M3033900004	Speed shift knob	1	
10	GB/T6170-2000	Nut M8	2	
11	GB/T5783-86	Nut M8×40	2	
12	GB/T93-87	Spring washer 8	10	
13	GB/T6170-86	Nut M8	2	
14	GB/T5783-86	Bolt M10×35	9	
15	GB/T93-87	Spring washer 10	9	
16	JDS30II-2000	Clutch disc ass'y	1	
17	JDS30II-1000	Clutch cover ass'y	1	
18	GB/T5783-86	Bolt M8×20	6	
19	GB/T97.1-85	Washer 8	2	
20	C3-34A	Release bearing sleeve	1	
21	13453-12031	Release bearing	1	
22	13073-12001	Clutch yoke pivot	1	
23	GB/T6171-86	Nut M12×1.25	1	
24	10113-10122	Clutch yoke	1	

图36/FIG36.

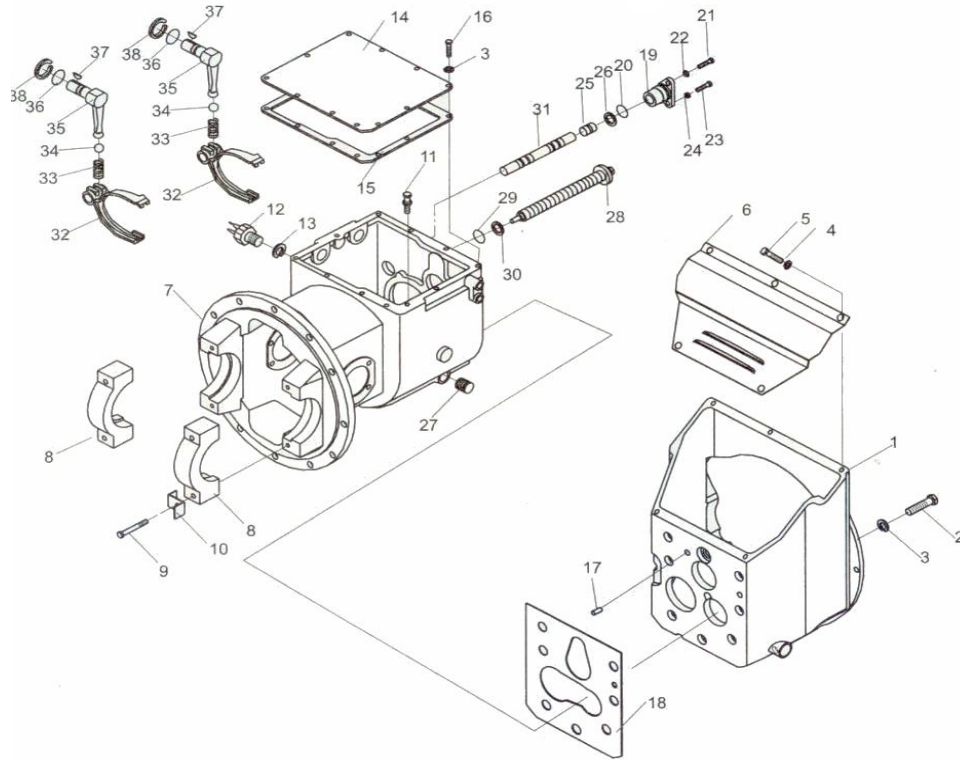
变速箱(机械式)/TRANSMISSION (CLUTCH TYPE) (1/2)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	10063-11070G	Clutch housing	离合器壳	1
02	GB/T5783-86	Bolt M10×30	螺栓M10×30	7
03	GB/T93-87	Spring washer 10	垫圈10	24
04	GB/T93-87	Spring washer 6	垫圈6	5
05	GB/T5783-86	Bolt M6×10	螺栓M6×10	5
06	JDS30 II A.002	Clutch cover	离合器盖	1
07	JDS25.001	Transmission housing	机械变速箱壳	1
08	JDS25.002	Bearing seat	轴承座	2
09	YDS30.089	Bolt	螺栓	4
10	YDS25.003	Lock plate	锁片	4
11	JDS30.050	Breather plug ass'y	通气塞总成	1
12	JK208	Reverse lamp switch	倒车灯开关	1
13	14×24×2	Washer	垫片	1
14	JDS30.048	Cover	箱盖	1
15	JDS30.049	Cover gasket	箱盖垫片	1
16	GB/T5783-86	Bolt M10×16	螺栓M10×16	10
17	GB/T119-86	Pin 12×20	销12×20	2
18	JDS30 II .001	Gasket	垫片	1
19	JDS30.031	Arm shaft	轴臂	1
20	GB/T1235-76	O-ring 35×3.1	O形圈35×3.1	1
21	GB/T5783-86	Bolt M8×20	螺栓M8×20	1
22	GB/T93-87	Spring washer 8	垫圈8	8
23	GB/T5783-2000	Bolt M10×45	螺栓M10×45	1
24	GB/T6170-2000	Nut M10	螺母M10	1
25	JDS30.032	Plug	塞	1

图37/FIG37.

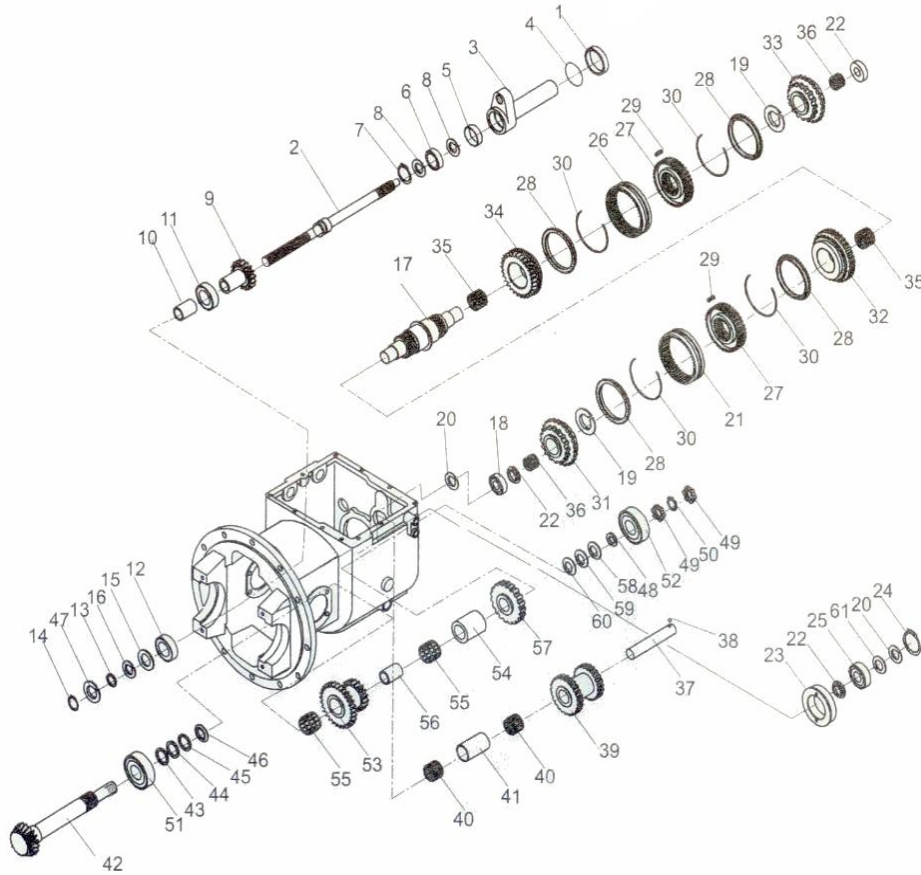
变速箱 (机械式) / TRANSMISSION (CLUTCH TYPE) (2/2)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	JDS30.026	Collar	轴环	1
02	JDS30.025	Main drive shaft	主动轴	1
03	JDS30.024	Bearing retainer	轴承架	1
04	GB/T1235-76	O-ring 42×3.5	O形圈42×3.5	1
05	AC1315E0	Oil seal	油封	1
06	GB/T276-94	Bearing 6005	深沟球轴承6005	1
07	GB/T893.2-86	Snap spring 47	孔用挡圈47	1
08	GB/T894.1-86	Snap spring 25	轴用挡圈25	2
09	JDS30.037	Input gear	输入齿轮	1
10	JDS30.038	Sleeve	隔套	1
11	GB/T276-94	Bearing 6207	深沟球轴承6207	1
12	GB/T276-94	Bearing 6207N	深沟球轴承6207N	1
13	JDS30.040	Separate plate	隔圈	1
14	GB/T894.1-86	Snap spring 35	轴用挡圈35	1
15	JSD30.039	Bearing Washer	轴承垫圈	1
16	JDS30.039	Bearing Washer	轴承垫圈	1
17	JDS30.003	Main shaft	主轴	1
18	GB/T283-94	Bearing NJ306E	圆柱滚子轴承NJ306E	1
19	GB/T894.1-86	Snap spring	轴用弹性挡圈	2
20	GB/T894.1-86	Snap spring 30	轴用挡圈30	2
21	JDS30.010	Gear sleeve	一、二同步器齿套	1
22	JDS30.017	Thrust plate	止推摩擦片	2
23	JDS30.019	Bearing retainer	轴承保持架	1
24	GB/T893.2-86	Snap spring 72	孔用挡圈72	1
25	GB/T276-94	Bearing 6306	单列向心球轴承6306	1

图37/FIG37.

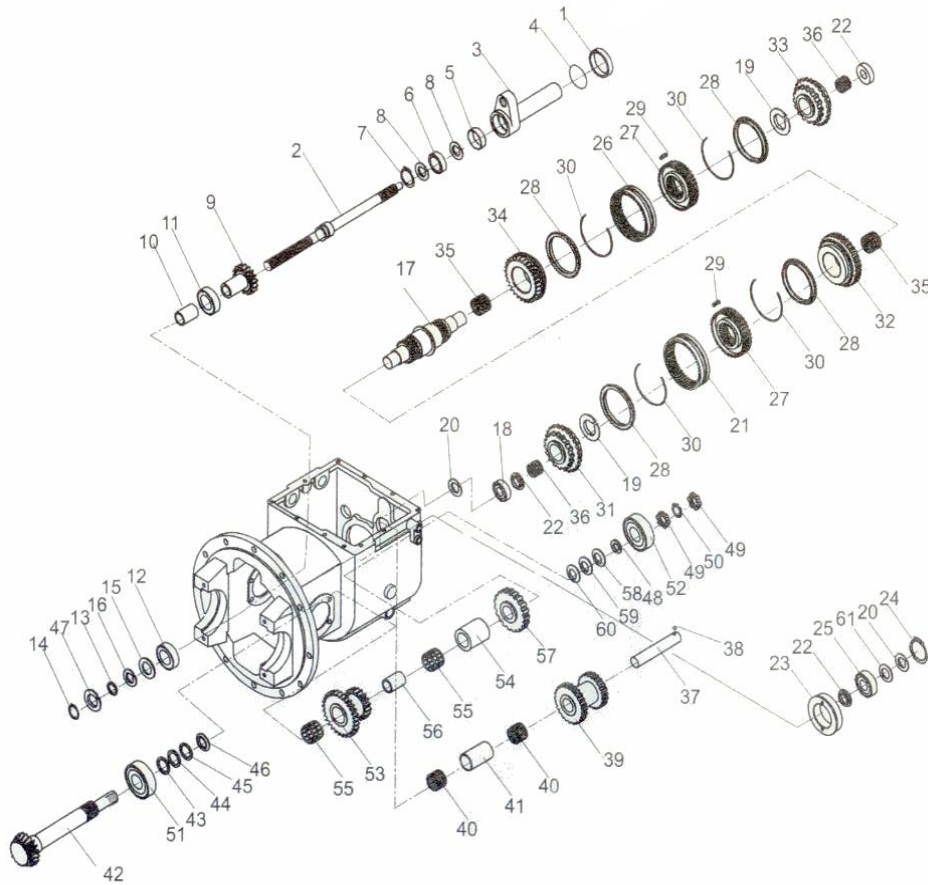
变速箱 (机械式) / TRANSMISSION (CLUTCH TYPE) (2/2)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA

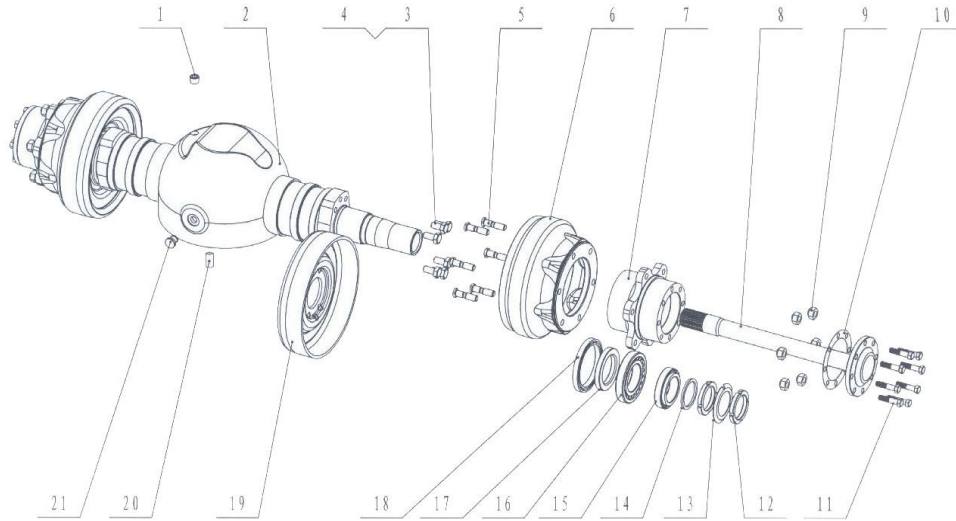


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
26	JDS30.010	Gear sleeve 同步器持套	1	
27	JDS30.007	Gear hub 同步器齿毂	2	
28	JDS30.013	Ring 一、二同步器齿环1/2	4	
29	JDS30.011	Insert 同步器滑块	6	
30	JDS30.012	Spring 弹簧	4	
31	JDS30.002	Gear,high speed 高速齿轮	1	
32	JDS30.004	Gear,low speed 低速齿轮	2	
33	JDS30.014	Gear,forward 前进挡齿轮	1	
34	JDS30.005	Gear,reverse 倒挡齿轮	1	
35	JDS30.015W	Bearing,needle 滚针轴承	2	
36	KJ35×40×27S	Bearing,needle 无套圈有保持架滚针轴承	2	
37	JDS30.006	Shaft,reverse idler 惰性轮	1	
38	GB/T308-89	Ball,steel 钢球6.350G200b	1	
39	JDS30.008	Gear,reverse idler 惰轮	1	
40	KMJ25×33×24	Bearing,needle 滚针轴承	2	
41	JDS30.009	Spacer 衬套	1	
42	JDS18.041	Shaft,output 输出轴	1	
43	JDS30.043(δ=0.1)	Shim 垫片	1	
44	JDS30.043(δ=0.2)	Shim 垫片	2	
45	JDS30.043(δ=0.3)	Shim 垫片	2	
46	JDS30.042	Plate,thrust 止推垫圈	1	
47	JDS30.040	Snap ring 孔用挡圈80	1	
48	JDS30.021	Washer,spring 弹簧垫圈	1	
49	JDS30.075	Nut 圆螺母M25×1.5	2	
50	GB/T858-88	Washer,thrust 圆螺母止动垫圈25	1	

图38/FIG38.

驱动桥(单胎) /DRIVE AXLE (SINGLE)

FD10, 15, 18 (T) -MGI
 FD10, 15, 18 (T) -MWA/B/C
 FG(L) 10, 15, 18 (T) -MWB
 FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	22193-03001	Plug	螺塞 2	
02	24233-02001	Axle housing	桥壳 1	
03	23453-72001	Bolt	螺栓 8	
04	23453-72031	Bolt	螺栓 4	
05	23654-32042H	Bolt	螺栓 12	
06	24233-02011	Brake drum	制动鼓 2	
07	24233-02021A	Hub	轮毂 2	
08	24843-02011	Half axle	半轴 2	
09	23854-11051	Nut	螺母 12	
10	24843-01061	Half axle gasket	垫 2	
11	24453-02061	Bolt M12×1.25	螺栓M12×1.25 16	
12	GB810-88	Nut M60×2	圆螺母M60×2 4	
13	GB858-88	Washer 60	止动垫圈 60 2	
14	23453-02091	Snap spring	挡圈 2	
15	23453-02071	Bearing Oil seal ass'y	轴承油封总成 2	
16	Z3003-65010	Bearing 7214E	轴承7214E 2	
17	22513-02051	Retainer	挡环 2	
18	Z0100-10012W	Oil sealSD125×100×12	油封SD125×100×12 2	
19	REF000576	Wheel brake ass'y (left&right)	制动器总成 (左右各一) 2	
20	GB119-76	Pin 8×25	销8×25 1	
21	22253-02061	Breather plug	橡皮塞 1	

图39/FIG39.

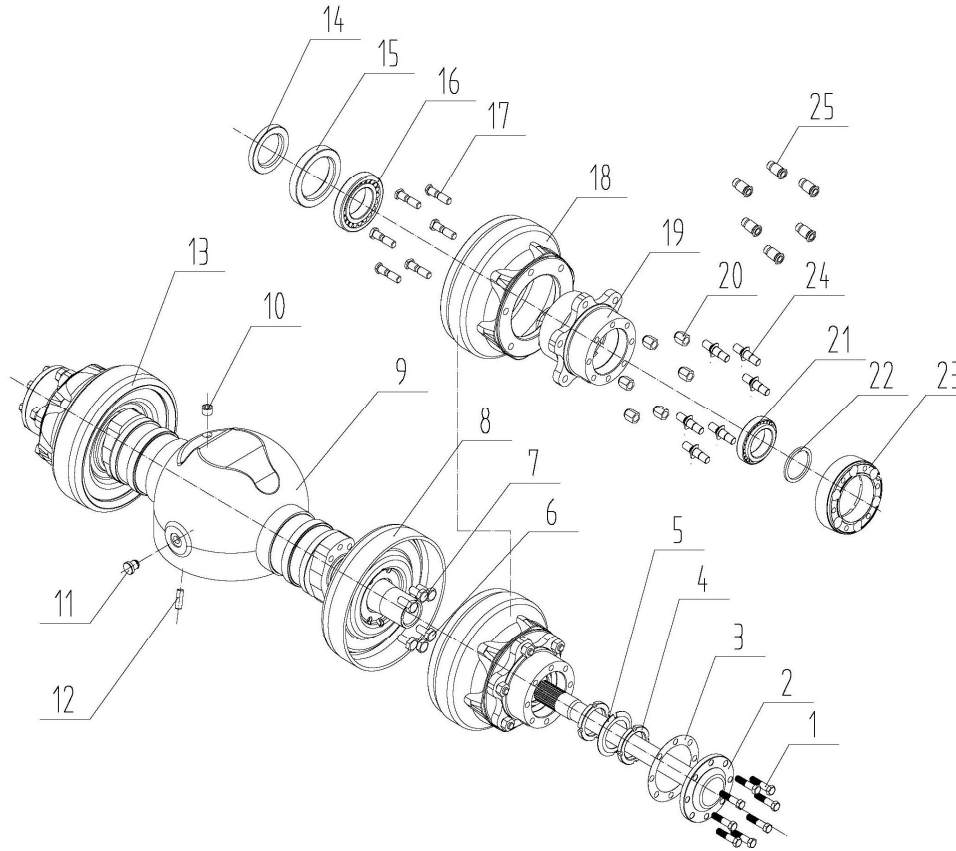
驱动桥(双胎) /DRIVE AXLE (DOUBLE)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	24453-02061	Bolt M12×1.25	16	螺栓M12×1.25
02	24843-02011	Half axle	2	半轴
03	24843-02061	Washer	2	垫
04	GB810-88	Nut M60×2	4	圆螺母M60×2
05	GB858-88	Washer 60	2	垫圈 60
06	23453-72001	Bolt	8	螺栓
07	23453-72031	Bolt	4	螺栓
08	REF000576	Wheel brake ass'y(right)	1	制动器总成(右)
09	24233-02001	Axle housing	1	桥壳
10	22193-03001	Plug	2	堵塞
11	22253-02061	Breather plug	1	橡皮塞
12	GB119-76	Pin 8×25	1	销8×25
13	REF000576L	Wheel brake ass'y(left)	1	制动器总成(左)
14	22513-02051	Retainer	2	挡环
15	Z0100-10012W	Oil sealSD125×100×12	2	油封SD125×100×12
16	Z3003-65010	Bearing 7213E	2	轴承7213E
17	23654-32051G	Hub bolt	12	轮毂螺栓
18	24233-02011	Brake drum	2	制动鼓
19	24233-02021A	Hub	2	轮毂
20	E1193-02091	Nut	12	双胎球螺母
21	23453-02071	Bearing oil seal ass'y	2	轴承油封总成
22	23453-02091	Snap spring	2	挡圈
23	E1193-02001	joint bushing	2	联结套
24	E1193-02011	Bolt 柱	12	螺栓柱
25	E1193-02081	Nut	12	柱螺母

图42/FIG42.

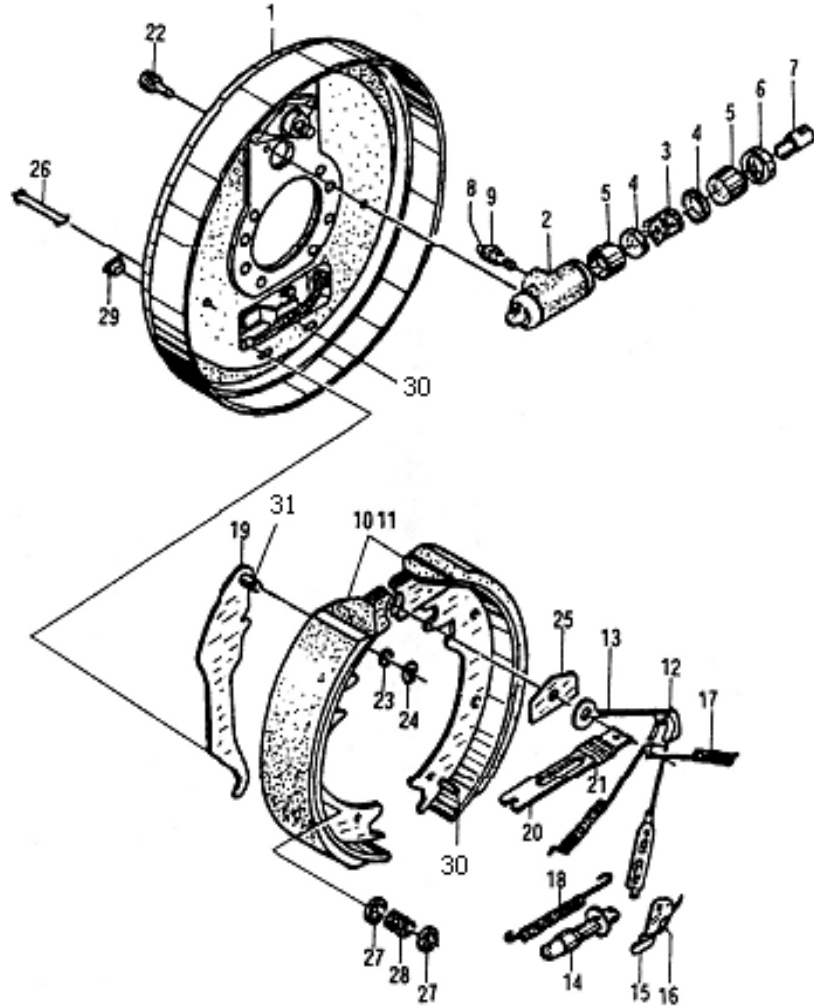
轮式制动器/WHEEL BRAKE

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	21233-70301	Wheel brake ass'y(LH)	1	制动器总成(左)
-	21233-70201	Wheel brake ass'y(RH)	1	制动器总成(右)
1	21233-70010G	Brake plate	2	制动器底板总成 &R.H types
B	21233-70080G	Wheel cylinder ass'y	2	制动分泵总成 包括(2~9)Inc(2~9)
2	21233-70090G	Cylinder	2	制动分泵缸
3	21233-70120G	Spring	2	分泵弹簧
4	21233-70110G	Cup	4	分泵皮碗
5	21233-70100G	Piston	4	分泵活塞
6	21233-70130G	Boots	4	制动分泵护罩
7	21233-70140G	Link, conneeding	4	分泵活塞顶杆
8	22673-72141	Cap bleader	2	分泵放气螺钉帽
9	22673-72131	Bleader screw	2	分泵放气螺钉
10	21233-70150GW	Brake shoe ass'y	2	制动蹄带摩擦片总成(前)
11	21233-70151GW	Brake shoe ass'y	2	制动蹄带摩擦片总成(后)
12	21233-70330G	Guide, cable	2	导向块
13	21233-70260G	Spring & fitting ass'y	2	弹簧拉线装置
14	21233-70210G (LH) (RH)	Adjuster ass'y	2	间隙调整器总成 左右螺旋各一 Left
15	21233-70380G	Lever	2	棘爪
16	21233-70360G (LH) (RH)	Spring	2	弹簧 左右螺旋各一 Left
17	21233-70320G	Spring	4	制动蹄回位弹簧
18	21233-70350G	Spring	2	回位弹簧
19	21233-70370G (LH) (RH)	Parking brake strut	2	手制动拉杆 左右螺旋各一 Left
20	21233-70380G	Parking brake lever	2	手制动推杆
21	21233-70390G	Spring	2	弹簧
22	GB21-76	Bolt M6×16	4	螺栓M6×16

图43/FIG43.

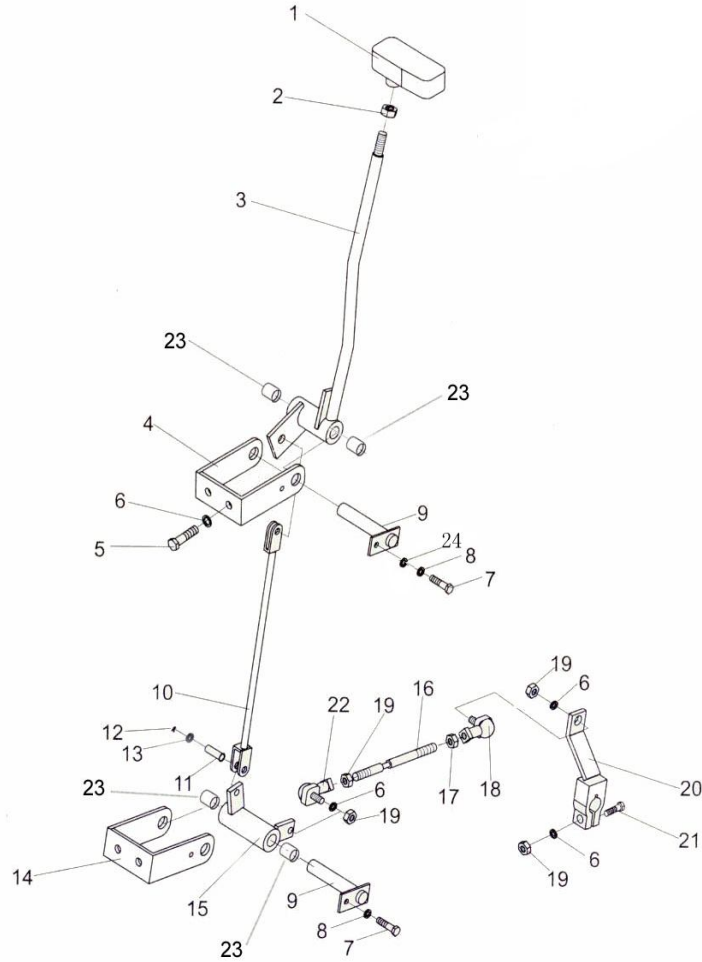
变速箱操纵(液力式)/TRANSMISSION CONTROL LINKAGE (TOR-CON TYPE)

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Transmission control	变速箱操纵	1
01	M3043906000	Knob	手柄	1
02	GB/T6172-86	Nut M10	螺母M10	1
03	M3043907000	Lever	操纵杆	1
04	M3043908000	Bracket(up)	支架(上)	1
05	GB/T5783-2000	Bolt M8×25	螺栓M8×25	4
06	GB/T93-1987	Spring washer 8	垫圈8	7
07	GB/T5783-2000	Bolt M6×12	螺栓M6×12	2
08	GB/T93-1987	Spring washer 6	垫圈6	2
09	M3043901000	Pin shaft	销轴	2
10	M3043902000	Rod	拉杆	1
11	GB/T882-2000	Pin shaft 8×18	销轴8×18	2
12	GB/T91-2000	Cotter pin 3.2×25	开口销3.2×25	2
13	GB/T97.1-2002	Washer 8	垫圈8	2
14	M3043909000	Bracket(down)	支架(下)	1
15	M3043903000	Lever ass'y	摇臂总成	1
16	M3043900001	Link	连杆	1
17	GB/T6170-2000	Nut M8(left)	螺母M8(左)	1
18	M3043904000	Oscillating bearing	弯杆型球头杆端关节轴承	1
19	GB/T6170-2000	Nut M8(left)	螺母M8(左)	4
20	M3043905000	Link	连杆	1
21	GB/T5783-2000	Bolt M8×40	螺栓M8×40	1
22	M3043904000	Oscillating bearing	弯杆型球头杆端关节轴承	1
23	-	Bush bearing 1625	钢背轴承1625	4
24	GB/T97.1-2002	Washer 6	垫圈6	2

图44/FIG44.

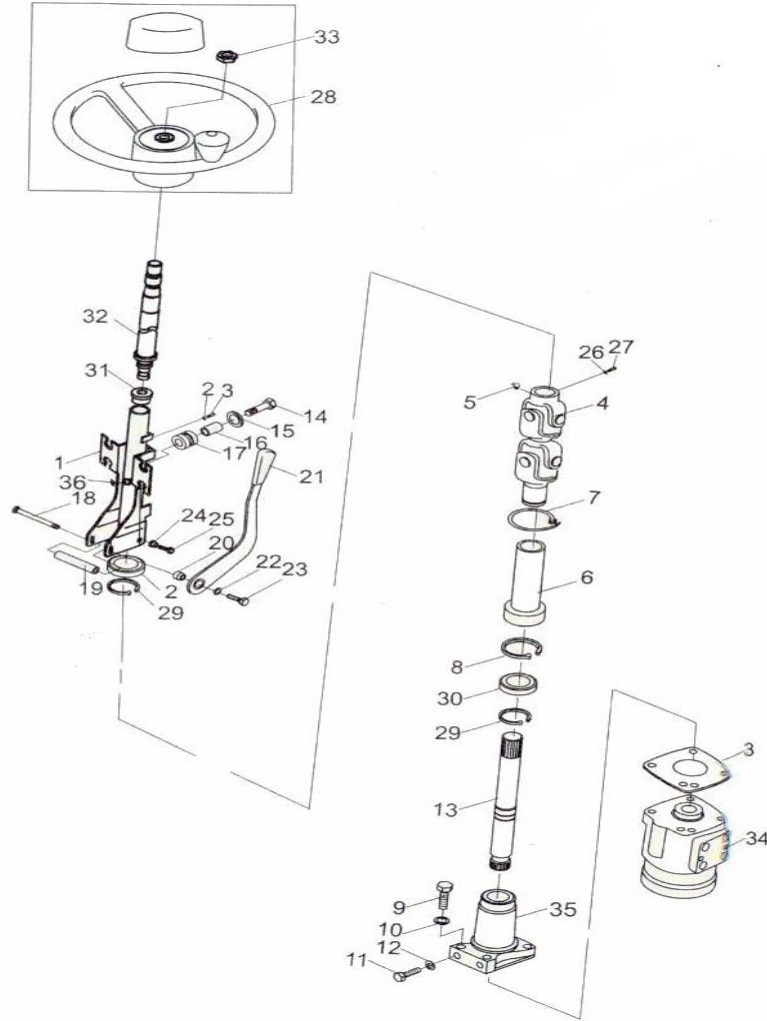
转向装置及安装/STEERING SYSTEM

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Steering system	1	转向装置及安装
01	M3034202000	Column	1	方向管柱
02	GB/T276-1994	Bearing 61904-Z	1	轴承61904-Z
03	GB/T845-1985	Adjusting shim	1	调整垫
04	H24C4-10301	Cardan joint	1	万向节总成
05	JB/T7940.1-1995	Nipple M10×1	1	油杯M10×1
06	M3034200001	Dustproof cover	1	防尘套
07	ZD-4×150	Cable tie ZD4×150	1	捆扎带ZD4×150
08	GB/T893.1-1986	Snap spring 37	1	弹簧挡圈37
09	GB/T5782-2000	Bolt M10×45	4	螺栓M10×45
10	GB/T93-1987	Spring washer 10	4	垫圈10
11	GB/T5786-1986	Bolt M12×1.25×45	2	螺栓M12×1.25×45
12	GB/T93-1987	Spring washer 12	2	垫圈12
13	M3034200002	Connecting shaft	1	连接轴
14	GB/T5782-2000	Bolt M6×35	4	螺栓M6×35
15	GB/T96.2-2002	Washer 6	4	垫圈6
16	A22A4-12141	Collar	4	套管
17	A22A4-12101	Rubber collar	4	橡胶套
18	H24C4-12151	Bolt (L.H.)	1	螺栓(左旋)
19	M3034200003	Collar	1	套管
20	M3034200004	Nut	1	螺母
21	M3034204000	Lock handle	1	锁紧手柄
22	GB/T96.2-2000	Washer 10	1	垫圈10
23	M3034200005	Bolt M10×16(L.H.)	1	螺栓M10×16(左旋)
24	GB/T93-1987	Spring washer 8	2	垫圈8

图45/FIG45.

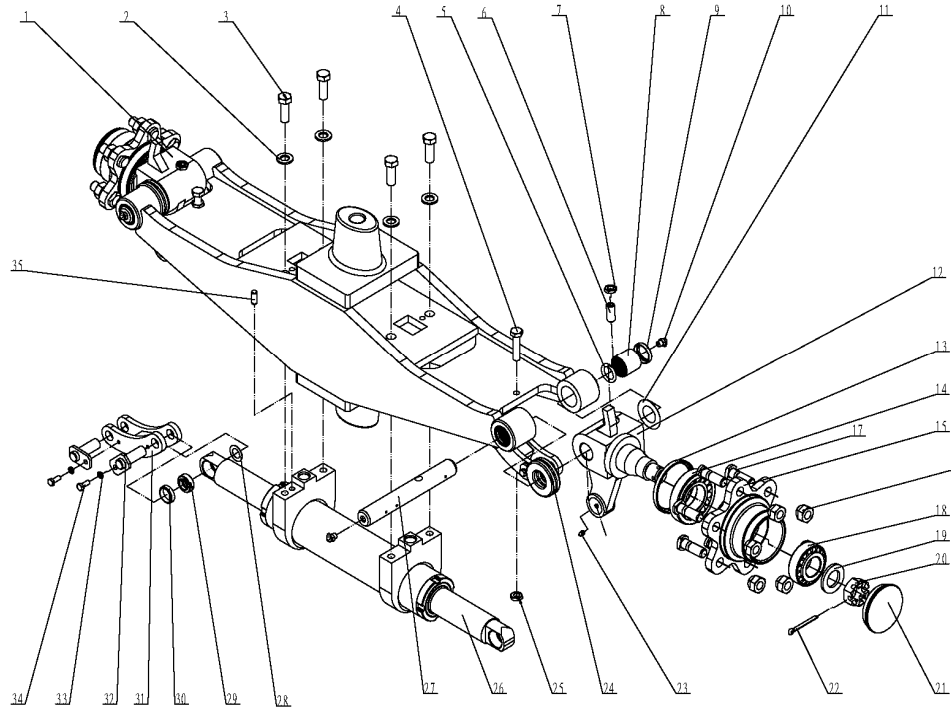
转向桥及安装/STEERING A×LE

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	H12C4-30202	Steering axle body	1	桥体
02	GB5782-86	Bolt M12×35	4	螺栓M12×35
03	GB93-87	Spring washer 12	4	垫圈12
04	GB5785-86	Bolt M10×1.25×40	2	螺栓M10×1.25×40
05	24234-32241	O-ring	2	O型圈
06	GB78-85	Screw	2	内六角锥端紧定螺钉
07	GB6170-86	Nut M12	2	螺母M12
08	Z-942/25	Needle bearing 942/25	4	滚针轴承942/25
09	24234-32231	Oil seal	4	油封
10	Q701B45	Nipple	4	油嘴
11	20114-30091	Knuckle shim	2	转向节调整块
12	H12C4-30301A	Knuckle ass'y(right)	1	右转向节总成
13	22574-32102	Oil seal	2	骨架油封
14	Z-7208E	Bearing 7208E	2	轴承7208E
15	24234-32221	Steering hub	2	转向轮毂
16	23654-34051	Hub nut	12	轮毂螺母
17	23654-32041	Hub bolt	12	轮毂螺栓
18	Z-7206E	Bearing 7206E	2	轴承7206E
19	GB97.1-85	Washer 24	2	垫圈24
20	GB6171-86	Nut M24×2	2	螺母M24×2
21	22194-32361	Hub cap	2	轮毂盖
22	GB91-86	Pin 5×45	2	销5×45
23	Q700B06	Nipple	4	直通油嘴
24	Z-198905	Thrust bearing 198905	2	单向推力轴承198905
25	GB6171-86	Nut M10×1.25	2	螺母M10×1.25

图47/FIG47.

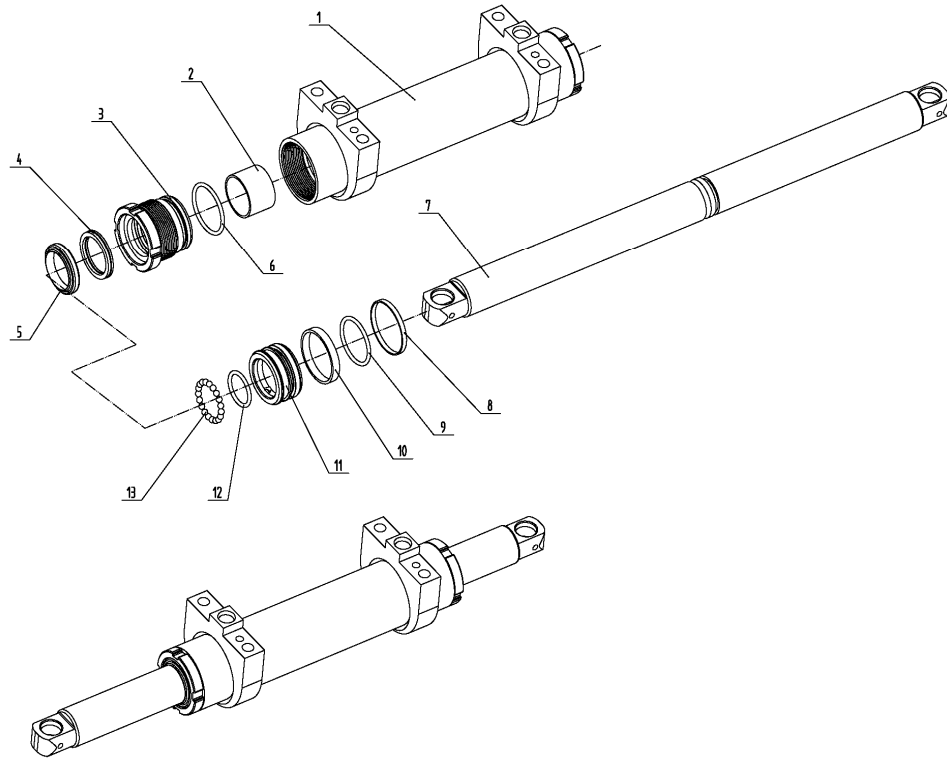
转向油缸/STEERING CYLINDER

FD10, 15, 18 (T) -MGI

FD10, 15, 18 (T) -MWA/B/C

FG(L) 10, 15, 18 (T) -MWB

FG(L) 10, 15, 18 (T) -MGA

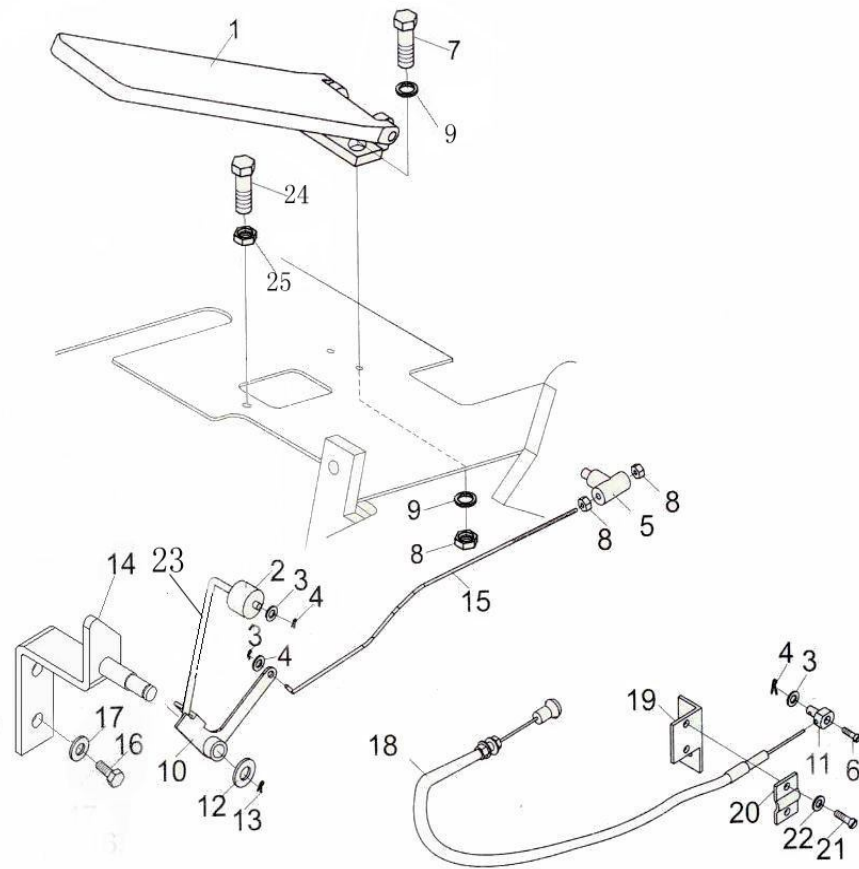


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Steering cylinder ass'y	1	转向油缸总成
01	H12C4-50321	Steering body ass'y	1	缸筒总成
02	Z2113-04030	Bush bearing 4030	2	44×40×30(t=2) 钢背轴承4030
03	H12C4-52011	Cylinder cap	2	缸盖
04	FU0497K0	Seal ring 40×50×6	2	轴用密封圈40×50×6
05	23650-83581	Dust-proof seal 40×52×7/10	2	防尘圈40×52×7/10
06	CO 7277A	O-ring 50.4×3.55	2	0形圈50.4×3.55
07	H12C4-52001Sa	Piston rod	1	活塞杆
08	A10C4-52041	Bearing ring	1	支承环
09	Z6053-04753	O-ring 47.5×3.55	1	0形圈47.5×3.55
10	H12C4-53001S	Bearing ring 56×8×2.5	1	支承环56×8×2.5
11	H12C4-50312Sa	Piston	1	活塞
12	CO 0202	O-ring 34.4×3.1	1	0形圈34.4×3.1
13	Z1505-00060	Steel ball φ6	19	钢球 φ6

图48/F1G48.

油门操纵/ACCELERATOR PEDAL

FD10, 15, 18T-MGI



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Accelerator pedal mount	油门操纵装置	1
01	M3035201000	Accelerator pedal	油门踏板	1
02	M3035203201	Nylon sheave	尼龙棒	1
03	GB/T97.1-2002	Washer 6	垫圈6	3
04	GB/T91-2000	Pin 2×20	销2×20	3
05	M3035202001	Yoke	连接头	1
06	GB/T67-2000	Screw M4×10	螺钉M4×10	1
07	GB/T5783-2000	Bolt M6×16	螺栓M6×16	2
08	GB/T6170-2000	Nut M6	螺母M6	4
09	GB/T93-1987	Spring washer 6	垫圈6	4
10	M1535203201	Lever	摆臂	1
11	-	Pin	钢丝绳固定销	1
12	GB/T97.1-2002	Washer 10	垫圈10	1
13	GB/T91-2000	Pin 3×20	销3×20	1
14	M2035203100	Bracket	支架板	1
15	M1535202001	rod	拉线杆	1
16	GB/T5783-2000	Bolt M10×25	螺栓M10×25	2
17	GB/T93-1987	Spring washer 10	垫圈10	2
18	M3031101000	Flameout control unit ass'y	熄火拉线总成	1
19	M1531100001	Flameout control unit bracket	熄火拉线支架	1
20	-	Fixed plate	熄火拉线固定板	1
21	GB/T67-2000	Screw M4×16	螺钉M4×16	2
22	GB/T93-1987	Spring washer 4	垫圈4	2
23	M1535203200	Connecting shaft	踏杆	1
24	M6045200003	Bolt	螺栓	1

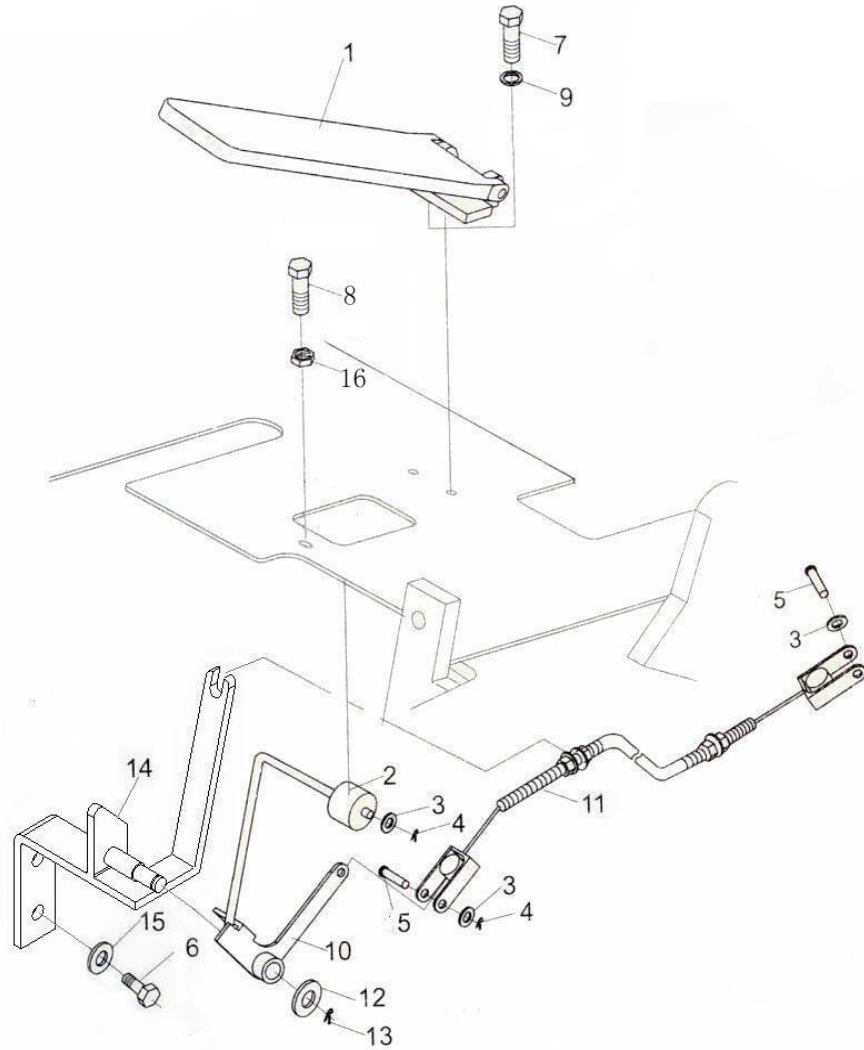
图49/FIG49.

油门操纵/ACCELERATOR PEDAL

FD10, 15, 18T-MWA/B/C

FG(L) 10, 15, 18T-MWB

FG(L) 10, 15, 18 (T) -MGA

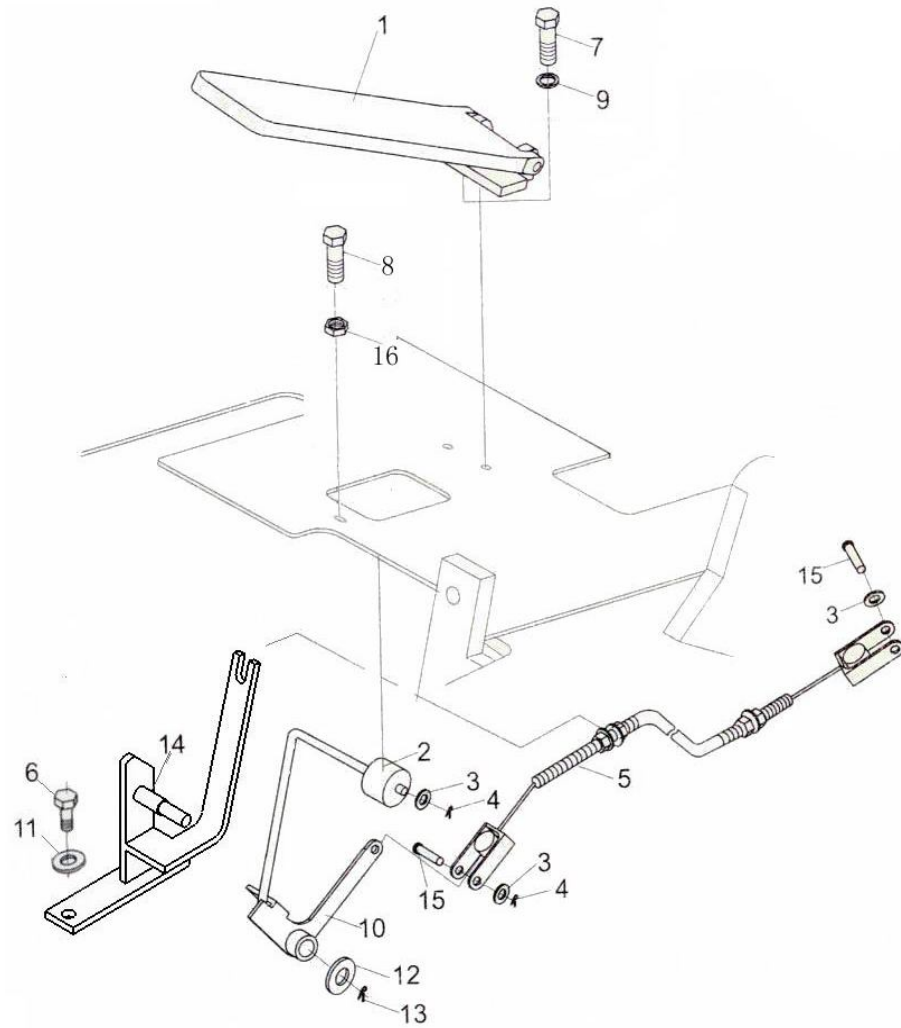


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark	
A	-	Accelerator pedal mount	油门操纵装置	1	
01	M3035201000	Accelerator pedal	油门踏板	1	
02	M3035203201	Nylon sheave	尼龙棒	1	
03	GB/T97.1-2002	Washer 6	垫圈6	3	
04	GB/T91-2000	Pin 2×20	销2×20	3	
05	GB/T882-2000	Pin B6×20	销B6×20	1	
06	GB/T5783-2000	Bolt M10×25	螺栓M10×25	12	
07	GB/T5783-2000	Bolt M6×16	螺栓M6×16	2	
08	M6045200003	Bolt	螺栓	1	
09	GB/T93-1987	Spring washer 6	垫圈6	2	
10	M15452104200	Connecting shaft	踏杆	1	
11	M30452102000	Accelerator cable	油门拉线	1	柴油Diesel
-	M30252N01000	Accelerator cable	油门拉线	1	汽油Gasoline
12	GB/T97.1-2002	Washer 10	垫圈10	1	
13	GB/T91-2000	Pin 3×20	销3×20	1	
14	M2035203100	Bracket	支架板	1	
15	GB/T93-1987	Spring washer 10	垫圈10	2	
16	GB/T6171-2000	Nut M12×1.25	螺母M12×1.25	1	

图50/F1G50.

油门操纵/ACCELERATOR PEDAL

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark	
A	-	Accelerator pedal mount	油门操纵装置	1	
01	M3035201000	Accelerator pedal	油门踏板	1	
02	M3035203201	Nylon sheave	尼龙棒	1	
03	GB/T97.1-2002	Washer 6	垫圈6	3	
04	GB/T91-2000	Pin 2×20	销2×20	3	
05	M30452102000	Accelerator cable	油门拉线	1	柴油Diesel
-	M30252N01000	Accelerator cable	油门拉线	1	汽油Gasoline
06	GB/T5783-2000	Bolt M10×25	螺栓M10×25	12	
07	GB/T5783-2000	Bolt M6×20	螺栓M6×20	2	
08	M6045200003	Bolt	螺栓	1	
09	GB/T93-1987	Spring washer 6	垫圈6	2	
10	M15452104200	Connecting shaft	踏杆	1	
11	GB/T93-1987	Spring washer 10	垫圈10	2	
12	GB/T97.1-2002	Washer 10	垫圈10	1	
13	GB/T91-2000	Pin 3×20	销3×20	1	
14	M2035203100	Bracket	支架板	1	
15	GB/T882-2000	Pin B6×20	销B6×20	1	
16	GB/T6171-2000	Nut M12×1.25	螺母M12×1.25	1	

图51/FIG51.

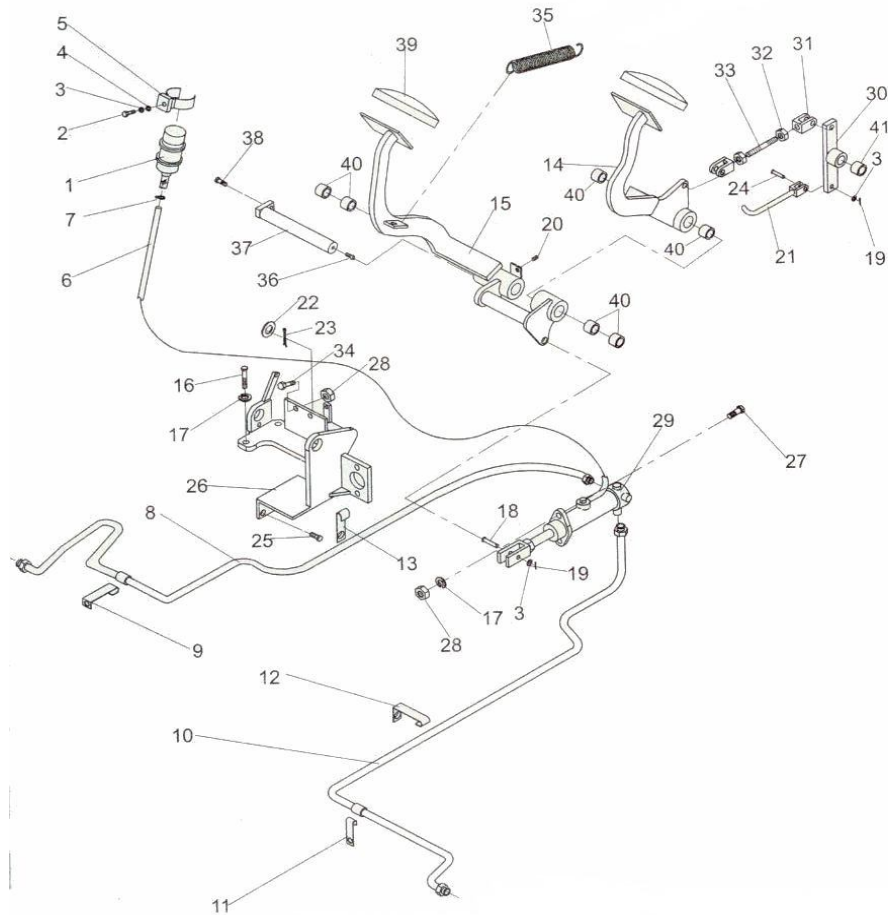
制动微动操纵(液力式)/BRAKE & INCHING CONTROL (TOR-CON TYPE)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Inching& brake pedal ass'y	1	制动微动操作装置
01	M3035401000	Reservoir	1	储油罐
02	GB/T5783-2000	Bolt M8×20	2	螺栓M8×20
03	GB/T97.1-2002	Washer 8	6	垫圈8
04	GB/T93-1987	Spring washer 8	2	垫圈8
05	M3035405000	Reservoir seat	1	制动液罐座
06	M3035400001	HoseΦ10×2-(700)	1	胶管Φ10×2-(700)
07	JB/T8870-1999	Hoop d16	2	喉箍d16
08	M2035404000	Brake pipe(right)	1	右制动油管
09	24455-42211	Clip	1	管夹
10	M2035403000	Brake pipe(left)	1	左制动油管
11	H24C5-32041	Clip	1	管夹
12	24245-42201	Clip	1	管夹
13	24245-42301	Clip	1	管夹
14	H24S5-40401	Inching pedal	1	微动踏板
15	H25S5-40501	Brake pedal	1	制动踏板
16	GB/T5783-2000	Bolt M10×25	2	螺栓M10×25
17	GB/T93-1987	Spring washer 10	2	垫圈10
18	GB/T882-2000	Pin B8×30	3	销B8×30
19	GB/T91-2000	Pin B2.5×16	5	销B2.5×16
20	23235-40091	Adjusting shaft	1	橡皮顶轴
21	22505-42001	Connecting rod	1	连接杆
22	GB/T97.1-2002	Washer 16	1	垫圈16
23	GB/T91-2000	Pin 4×25	1	销4×25
24	GB/T882-2000	Pin shaft8×30	1	销轴8×30

图51/FIG51.

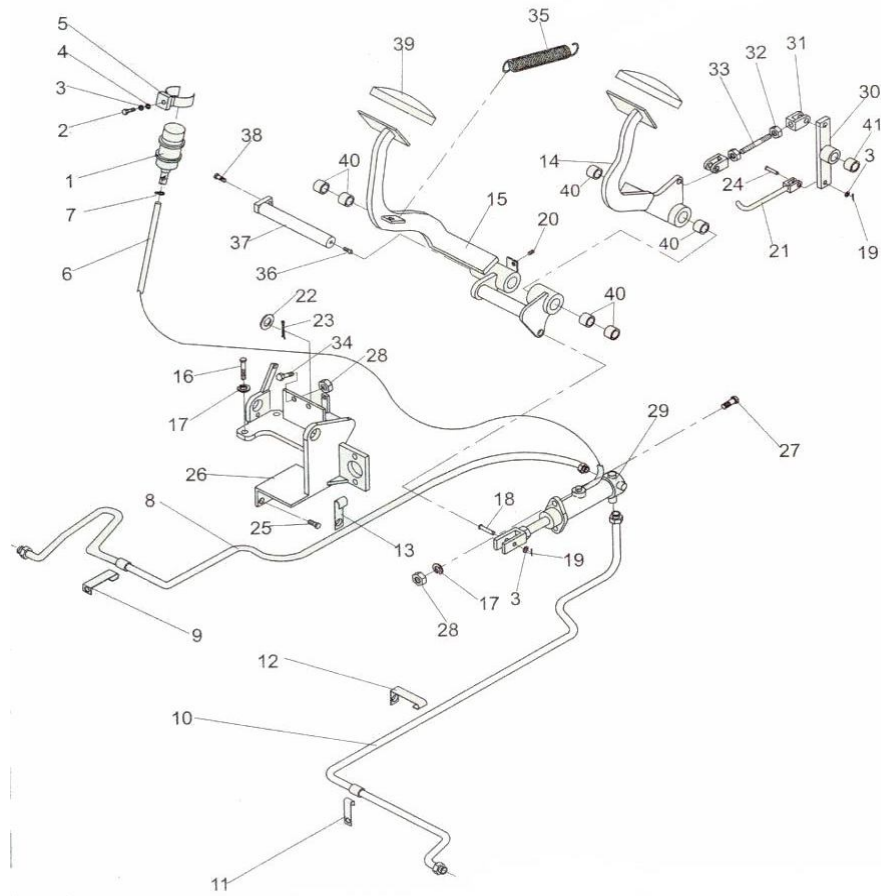
制动微动操纵(液力式)/BRAKE & INCHING CONTROL (TOR-CON TYPE)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
25	GB/T5783-2000	Bolt M10×20	螺栓M10×20	2
26	H24S5-40601	Bracket	支架	1
27	GB/T5782-2000	Bolt M10×35	螺栓M10×35	2
28	GB/T6170-2000	Nut M10	螺母 M10	4
29	25595-40302	Master cylinder	制动总泵	1
30	H25S5-40701	Lever	摇臂	1
31	H25S5-42221	ClevisM10-6H(L.H.)	支耳M10-6H(左旋)	1
-	H25S5-42211	ClevisM10-6H(R.H.)	支耳M10-6H(右旋)	1
32	GB/T6170-2000	Nut M10	螺母 M10	1
33	23745-42031	Screw rod	螺杆	1
34	GB/T5783-2000	Bolt M10×30	螺栓M10×30	1
35	20155-30061	Spring	拉簧	2
36	GB/T7940.2-1995	Nipple 90°M10×1	油杯90° M10×1	1
37	25595-42182	Shaft	油轴	1
38	GB/T5783-2000	Bolt M10×40	螺栓M10×40	1
39	25595-42071	Pedal cover	踏板垫	2
40	Z2135-02525	Bush bearing 2525	钢背轴承2525	6
41	Z2031-01625	Bush bearing 1625	钢背轴承1625	1

图52/ Fig52.

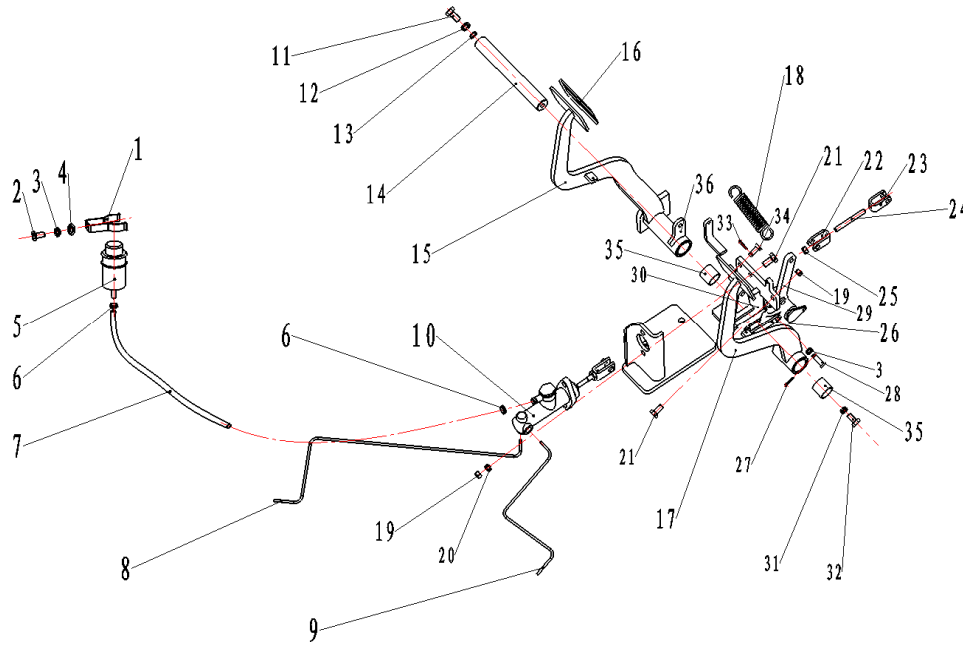
制动微动操纵(液力式)/BRAKE & INCHING CONTROL (TOR-CON TYPE)

FD10, 15, 18-M2GI

FD10, 15, 18-M2WA/B/C

FG(L) 10, 15, 18-M2WB

FG(L) 10, 15, 18 (T) -M2GA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Inching& brake pedal ass'y		制动微动操作装置
1	M3035405000	Reservoir seat	1	制动液罐座
2	GB/T5783-2000	Bolt M8×20	1	螺栓M8×20
3	GB/T93-1987	Washer 8	5	垫圈 8
4	GB/T97.1-2002	Spring washer 8	1	垫圈 8
5	M3035401000	Reservoir	1	储油罐
6	QC/T390-1999	Hoop φ16	2	双钢丝环箍 φ16
7	M3035400001	Hose %c10%x4-(700)	1	耐液胶管 %c10%x4-(700)
8	M2045803000L	Brake pipe(right)	1	右制动油管
-	30458-01000	Brake pipe(right)	1	右制动油管
9	M2045802000L	Brake pipe (left)	1	左制动油管
-	30458-02000	Brake pipe (left)	1	左制动油管
10	M3035402300	Master cylinder ass'y(TCM)	1	制动总泵总成(TCM)
11	GB/T5783-2000	Bolt M10x20	1	螺栓M10x20
12	GB/T93-1987	Washer 10	3	垫圈10
13	M3035402002	Washer	1	垫圈
14	M3045802200	Pin shaft	1	销轴
15	M3045802500	Brake pedal	1	制动踏板
16	M3035402001	Pedal cover	2	踏板垫
17	M3045802400	Inching pedal	1	微动踏板
18	GB/T4142-2001	Spring d2.5、D18、n30、H110	2	弹簧d2.5、D18、n30、H110
19	GB/T6170-2000	Nut M10	5	螺母M10
20	GB/T97.1-2000	Washer 10	2	垫圈10

图52/ Fig52.

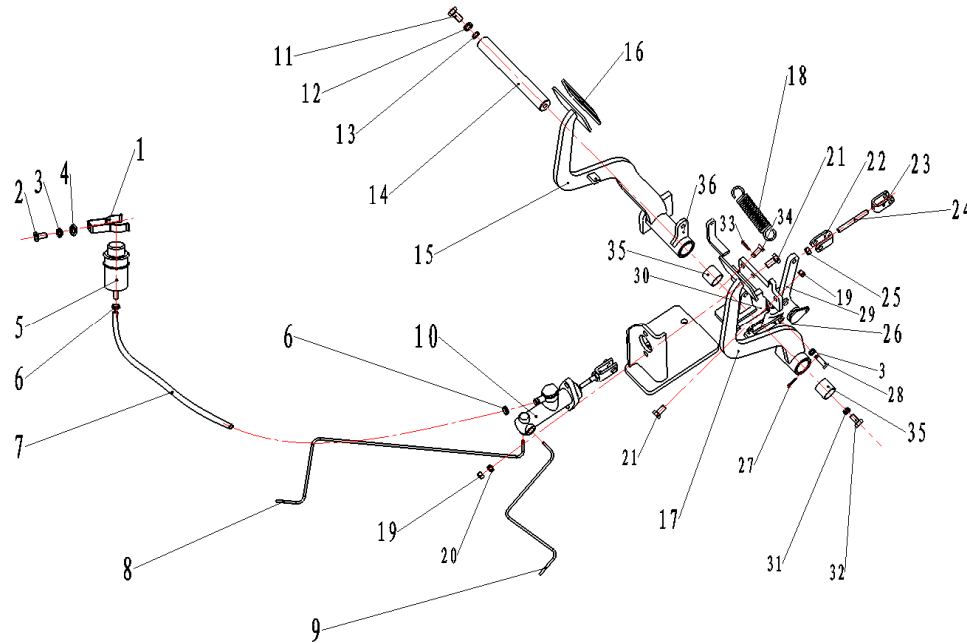
制动微动操纵(液力式)/BRAKE & INCHING CONTROL (TOR-CON TYPE)

FD10, 15, 18-M2GI

FD10, 15, 18-M2WA/B/C

FG(L) 10, 15, 18-M2WB

FG(L) 10, 15, 18 (T) -M2GA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Inching& brake pedal ass'y		制动微动操作装置
21	GB/T5783-2000	Bolt M10x35	5	螺栓M10x35
22	M3045802002	Connector I	1	接头 I
23	M3045802005	Connector II	2	接头 II
24	M3045802006	Bolt	1	等长双头螺栓
25	GB/T6170-2000	Nut M8	2	螺母M8
26	M3045802003	Connecting board	2	连接板
27	GB/T91-2000	Cotter pin 3.2x40	4	开口销3.2x40
28	GB/T882-1986	Pin shaft 8x26	4	销轴8x26
29	M3045802004	Connecting rod	1	连杆
30	M3045802100	Bracket	1	支架
31	GB/T93-1987	Washer 6	2	垫圈6
32	GB/T5783-2000	Bolt M6x20	2	螺栓M6x20
33	GB/T91-2000	Cotter pin 2x25	2	开口销2x25
34	M3035402003	Adjusting shaft	1	橡皮顶轴
35	60459N-1205	Bush bearing	2	钢背轴承
36	M3045802405	Lever	1	摇臂

图53/FIG53.

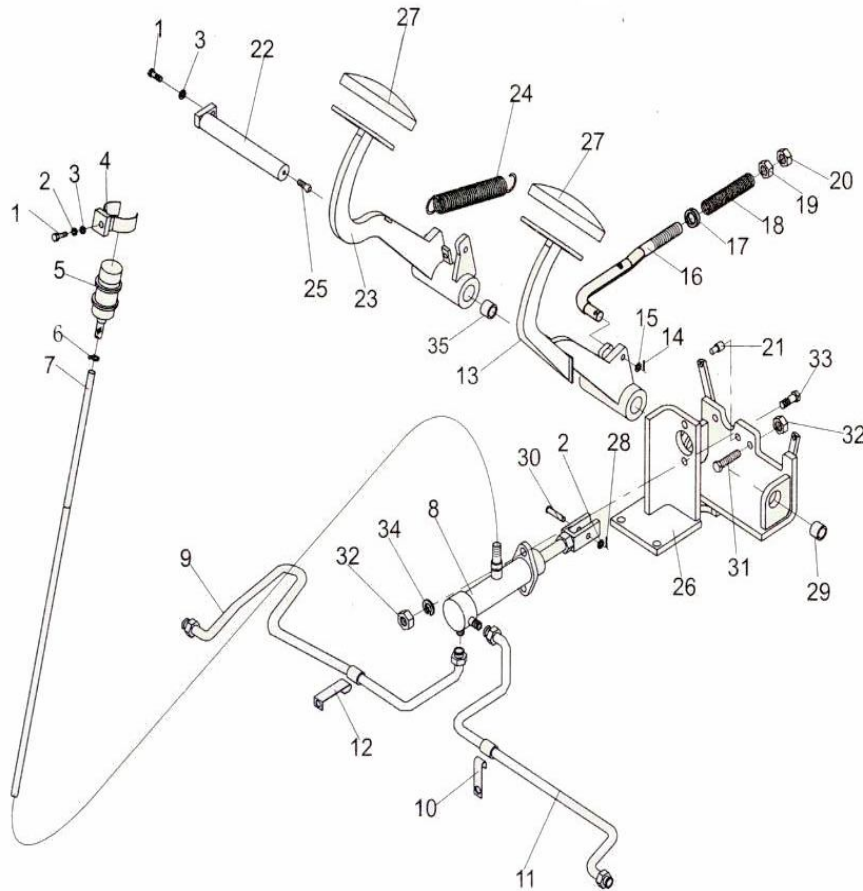
制动离合操纵(机械式)/BRAKE & CLUTCH CONTROL (CLUTCH TYPE)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Inching& brake pedal ass'y	1	制动微动操作装置
01	GB/T5781-2000	Bolt M8×20	2	螺栓M8×20
02	GB/T97.1-2002	Washer 8	2	垫圈8
03	GB/T93-1987	Spring washer 8	2	垫圈8
04	M3035405000	Reservoir seat	1	制动液罐座
05	M3035401000	Reservoir	1	储油罐
06	JB/T8870-1999	Hoopd16	4	喉箍d16
07	M3035400001	HoseΦ10×2-(700)	1	胶管Φ10×2-(700)
08	25595-40302	Master cylinder	1	制动总泵
09	M1535401000	Brake pipe(right)	1	右制动油管
10	24455-42211	Clip	1	管夹
11	M2035403000	Brake pipe(left)	1	左制动油管
12	H24C5-32041	Clip	1	管夹
13	H93C5-30211	Clutch pedal	1	离合踏板
14	GB/T91-2000	Pin 2.5×30	1	销2.5×30
15	GB/T97.1-2002	Washer 10	1	垫圈10
16	H93C5-32041	Rod	1	分离杆
17	23655-32521	Washer	1	垫圈
18	23655-32512	Compressed spring	1	压簧
19	22215-30042	Nut	1	螺母
20	GB/T6170-2000	Nut M12	1	螺母M12
21	23235-40091	Adjusting shaft	1	橡皮顶轴
22	H24C5-30901	Pin shaft	1	销轴
23	H24C5-31001	Brake pedal	1	制动踏板
24	20155-30061	Spring	2	拉簧

图54/ Fig54.

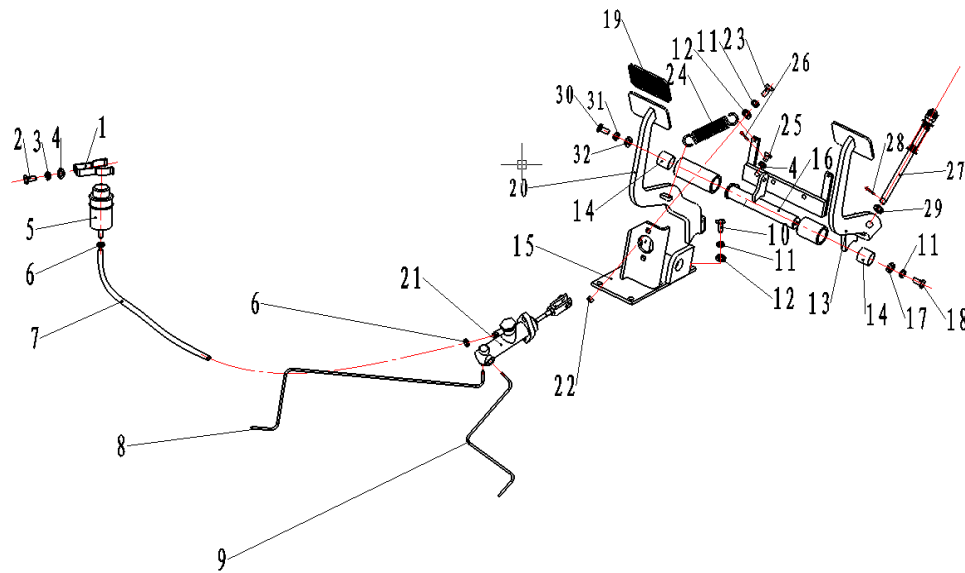
制动离合操纵(机械式)/BRAKE & CLUTCH CONTROL (CLUTCH TYPE)

FD10, 15, 18-M2GI

FD10, 15, 18-M2WA/B/C

FG(L) 10, 15, 18-M2WB

FG(L) 10, 15, 18 (T) -M2GA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Inching& brake pedal ass'y	1	制动微动操作装置
1	M3035405000	Reservoir seat	1	制动液罐座
2	GB/T5783-2000	Bolt M8x20	1	螺栓 M8x20
3	GB/T93-1987	Washer 8	1	垫圈 8
4	GB/T97.1-2002	Spring washer 8	2	垫圈 8
5	M3035401000	Reservoir	1	储油罐
6	QC/T390-1999	Hoop d16	2	双钢丝环箍 φ16
7	M3035400001	Hose %c10%x4-(700)	1	耐液胶管 %c10%x4-(700)
8	M2035403000	Brake pipe(left)	1	左制动油管
-	M3035403000	Brake pipe(left)	1	左制动油管
9	M2035404000	Brake pipe(right)	1	右制动油管
-	M3035404000	Brake pipe(right)	1	右制动油管
10	GB/T5783-2000	Bolt M10x30	4	螺栓 M10x30
11	GB/T93-1987	Washer 10	7	垫圈 10
12	GB/T97.1-2002	Washer 10	6	垫圈 10
13	M3035402400	Clutch pedal	1	微动踏板
14	60459N-1205	Bush bearing	2	钢背轴承
15	M3035402100	Bracket	1	支架
16	M3035402200	Pin shaft	1	销轴
17	GB/T96.1-2002	Washer 10	1	垫圈10
18	GB/T5783-2000	Bolt M10x20	1	螺栓M10x20
19	M3035402001	Pedal cover	2	踏板垫
20	M3035402500	Brake pedal	1	制动踏板
21	M3035402300	Master cylinder	1	制动总泵总成(TCM)

图55/FIG55.

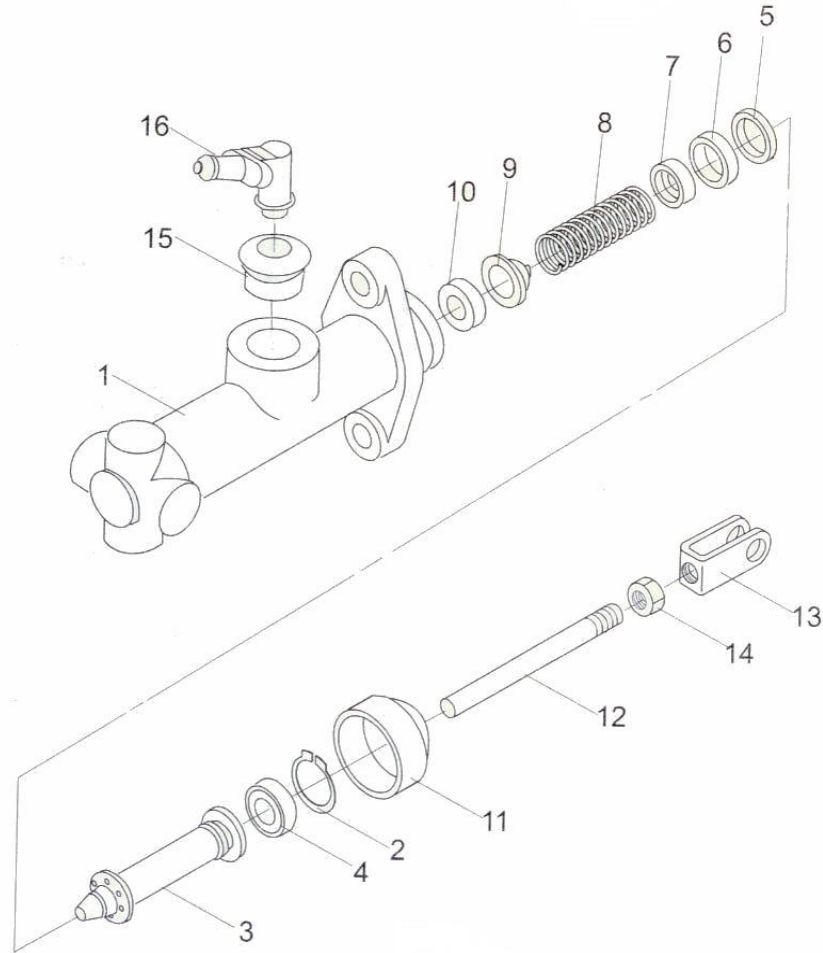
制动总泵/MASTER CYLINDER

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	25595-40302	Master cylinder	制动总泵	1
01	25595-42301	Valve body	阀体	1
02	25595-42311	Ring	止动环	1
03	25595-42332	Piston	活塞	1
B	25595-40402	Cup ass'y	皮碗组件	1
04	25595-42322	Front cup	前皮碗	1
05	25595-42341	Bushing cup	衬套皮碗	1
06	25595-42351	Main cup	主皮碗	1
07	25595-42361	Spring seat	弹簧座	1
08	25595-42371	Spring	弹簧	1
09	25595-42381	Cut-off valve	切断阀	1
10	25595-42391	Valve seat	阀座	1
11	25595-42431	Protect cover	保护罩	1
12	25595-42441	Rod	推杆	1
13	25595-42451	Clevis	支耳	1
14	B5050-00008	Nut M8	螺母M8	1
15	25595-42421	Rubber bushing	胶皮衬套	1
16	25595-42411	Connector	接头	1

图56/FIG56.

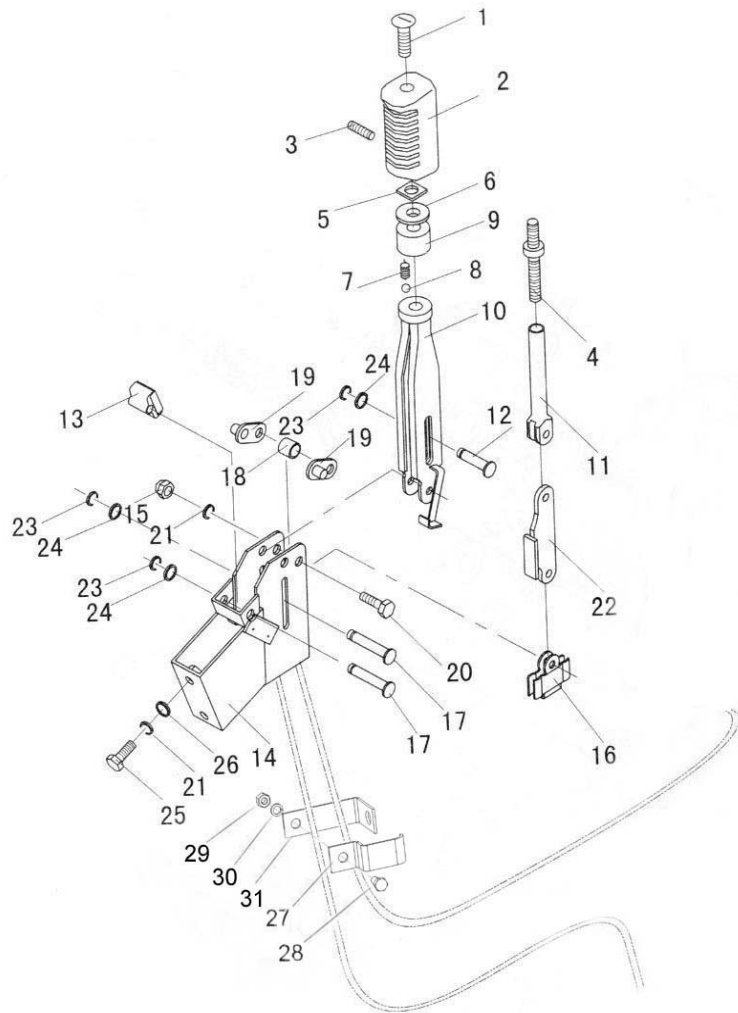
停车制动/BRAKE LEVER

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Parking brake ass'y	1	停车制动装置
B	M2035501000	Parking brake ass'y	1	手制动
01	THN-111	Adjusting screw	1	调节杆
02	THN-110	Handle head	1	手柄头
03	GB/T80-2000	Screw M4×4	1	内六角凹端紧定螺钉M4×4
04	THN-500	Screw rod	1	螺杆
05	GB/T39-1988	Nut M8	1	螺母M8
06	GB/T96.2-2002	Washer 8	1	垫圈8
07	THN-200	Spring 1×5.5×10.8	1	弹簧1×5.5×10.8
08	Z1510-G0060	Steel ball Φ6	1	钢球Φ6
09	THN-101	Handle seat	1	手柄座
10	THN-060	Lever body	1	闸把体
11	THN-600	Rod body	1	拉杆体
12	GB/T882-2000	Pin shaft B8×35	1	销轴B8×35
13	THN-098A	Spacing block	1	限位块
14	THN-050	Bracket ass'y	1	支架总成
15	GB/T923-1988	Nut M10	1	盖形螺母M10
16	21235-52171G	Cable holder	1	挂线架
17	GB/T882-2000	Pin shaft B8×45	1	销轴B8×45
18	25785-52261	Washer II	1	垫圈II
19	THN-40-00	Support plate ass'y	2	支撑板总成
20	GB/T5782-2000	Bolt M10×45	1	螺栓M10×45
21	GB/T93-1987	Spring washer 10	3	垫圈10
22	THN-900-00	Link	1	拉板总成
23	GB/T896-1986	Snap spring 8	3	轴用挡圈8

图57/FIG57.

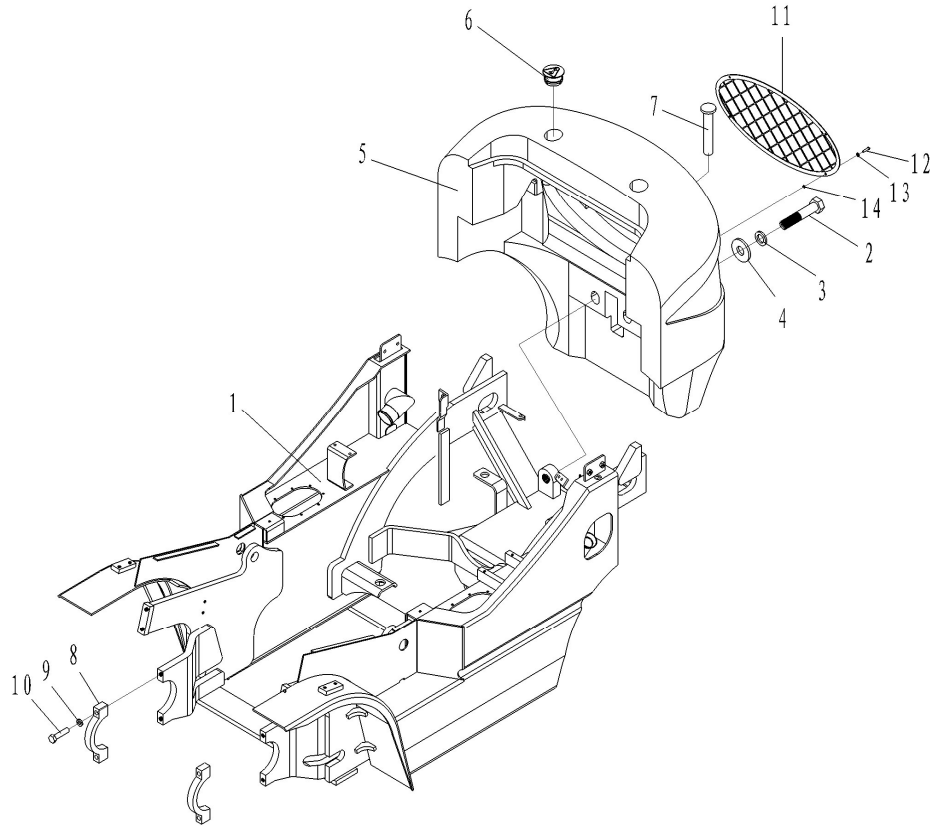
车架与平衡重/FRAME & COUNTER WEIGHT

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	M1536100000	Frame	车架	1 485
-	M15461100000	Frame	车架	1 C240
-	M15461Y00000	Frame	车架	1 YANMAR92
-	M15461NN00000	Frame	车架	1 K21
02	GB/T5782-2000	Bolt M30×150	螺栓M30×150	2
03	GB/T93-87	Washer 30	垫圈30	2
04	M3036300004	Washer	平垫片	2
05	M1036300001	Counterbalance weight	平衡重	1 1.0t
-	M1536300001	Counterbalance weight	平衡重	1 1.5t
-	M1836300001	Counterbalance weight	平衡重	1 1.8t
06	M3036300002	Cap	可吊装孔塞子	2
07	M3036300005	Traction pin	牵引栓	1
08	M1536100002	Bearing cap	支承盖	2
09	GB/T93-87	Washer 16	垫圈16	4
10	GB/T5782-2000	Bolt M16×65	螺栓M16×65	4
11	M3036301000	Gauze	网罩	1
12	GB/T5783-2000	Bolt M6×25	螺栓M6×25	4
13	GB/T93-87	Washer 6	垫圈6	4
14	GB/T6170-2000	Nut M6	螺母M6	4

图58/FIG58.

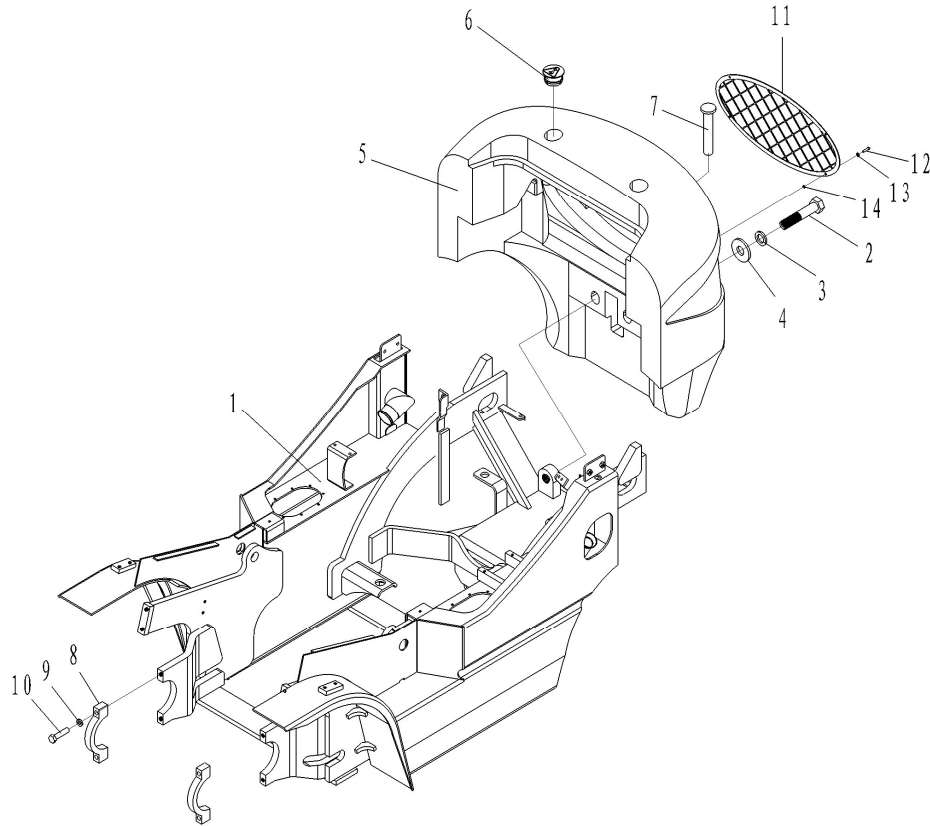
车架与平衡重/FRAME & COUNTER WEIGHT

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	M15361-00000	Frame	车架	1 485
-	M15461I-00000	Frame	车架	1 C240
-	M15461Y-00000	Frame	车架	1 YANMAR92
-	M15461NN-00000	Frame	车架	1 K21
-	M15261F-00000	Frame	车架	1 491
02	GB/T5782-2000	Bolt M30×150	螺栓M30×150	2
03	GB/T93-87	Washer 30	垫圈30	2
04	M3036300004	Washer	平垫片	2
05	M1036300001	Counterbalance weight	平衡重	1 1.0t
-	M1536300001	Counterbalance weight	平衡重	1 1.5t
-	M1836300001	Counterbalance weight	平衡重	1 1.8t
06	M3036300002	Cap	可吊装孔塞子	2
07	M3036300005	Traction pin	牵引栓	1
08	M1536100002	Bearing cap	支承盖	2
09	GB/T93-87	Washer 16	垫圈16	4
10	GB/T5782-2000	Bolt M16×65	螺栓M16×65	4
11	M3036301000	Gauze	网罩	1
12	GB/T5783-2000	Bolt M6×25	螺栓M6×25	4
13	GB/T93-87	Washer 6	垫圈6	4
14	GB/T6170-2000	Nut M6	螺母M6	4

图59/FIG59.

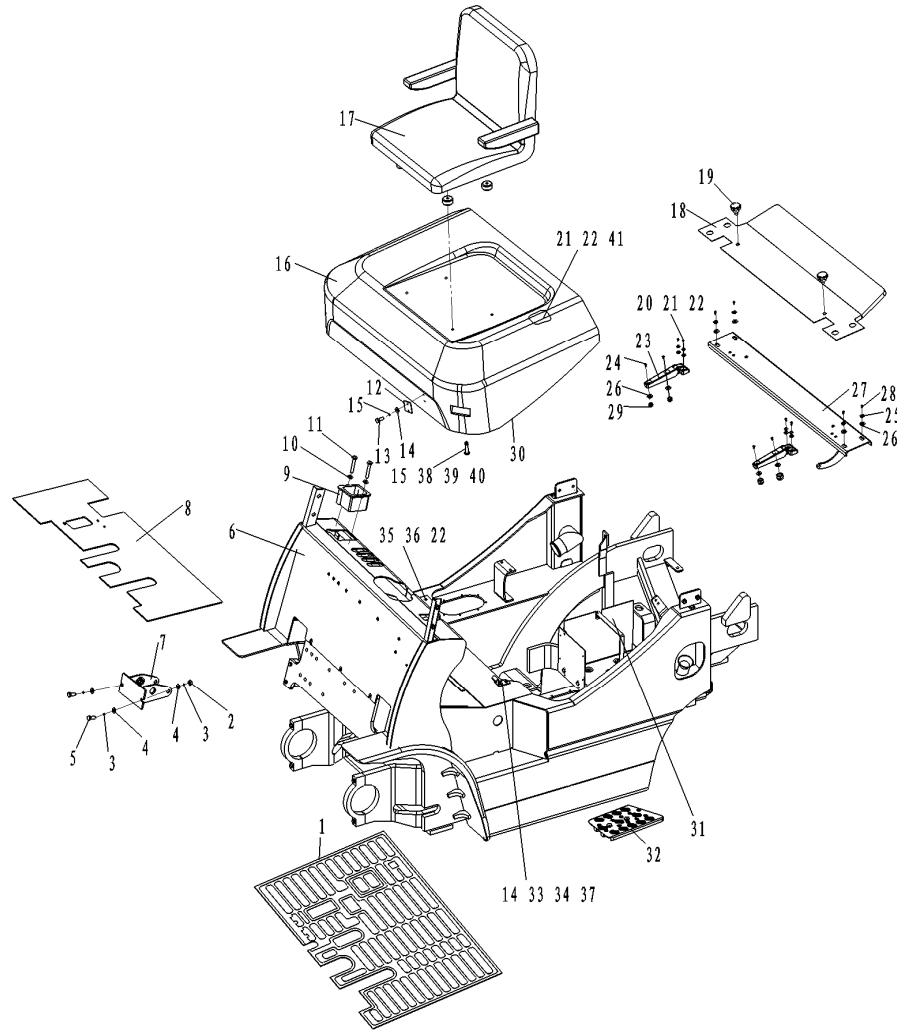
机罩、底板及座椅安装/HOOD, FLOOR & SEAT

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	M2036409000	Rubber mat	橡胶底板	1
02	GB/T6170-2000	Nut M12	螺母M12	2
03	GB/T93-1987	Spring washer 12	垫圈12	2
04	GB/T97.1-2002	Washer 12	垫圈12	2
05	GB/T5783-2000	Bolt M12×30	螺栓M12×30	2
06	M1536401000	Display bracket	仪表架	1
07	M3034205000	Orbitrol bracket	转向器安装支座	1
08	M1536403000	Front floor board	前地板	1 机械(Mech.)
-	M1546403000	Front floor board	前地板	1 液力(Hyd.)
09	M3036400004	Cup holder	水杯盒	1
10	GB/T818-2000	Bolt M5×10	螺栓M5×10	2
11	GB/T97.1-2002	Washer 5	垫圈5	2
12	M3036410000	Hood lock	机罩锁	1
13	GB/T818-2000	Screw M6×16	螺钉M6×16	2
14	GB/T97.1-2002	Washer 6	垫圈6	4
15	GB/T93-1987	Spring washer 6	垫圈6	4
16	M1536402000	Engine hood	发动机罩	1
17	M3036800000	Seat mount	座椅及安装	1
18	M1536400001	Radiator cover	水箱盖板	1
19	M3036408000	Radiator cover bolt	星形把手	2
20	GB/T70.1-2000	Screw M8×25	螺钉M8×25	4
21	GB/T93-1987	Spring washer 8	垫圈8	6
22	GB/T97.1-2002	Washer 8	垫圈8	8
23	M3036407000	Hinge	铰链	2
24	GB/T70.1-2000	Screw M10×35	螺钉M10×35	4

图60/FIG60.

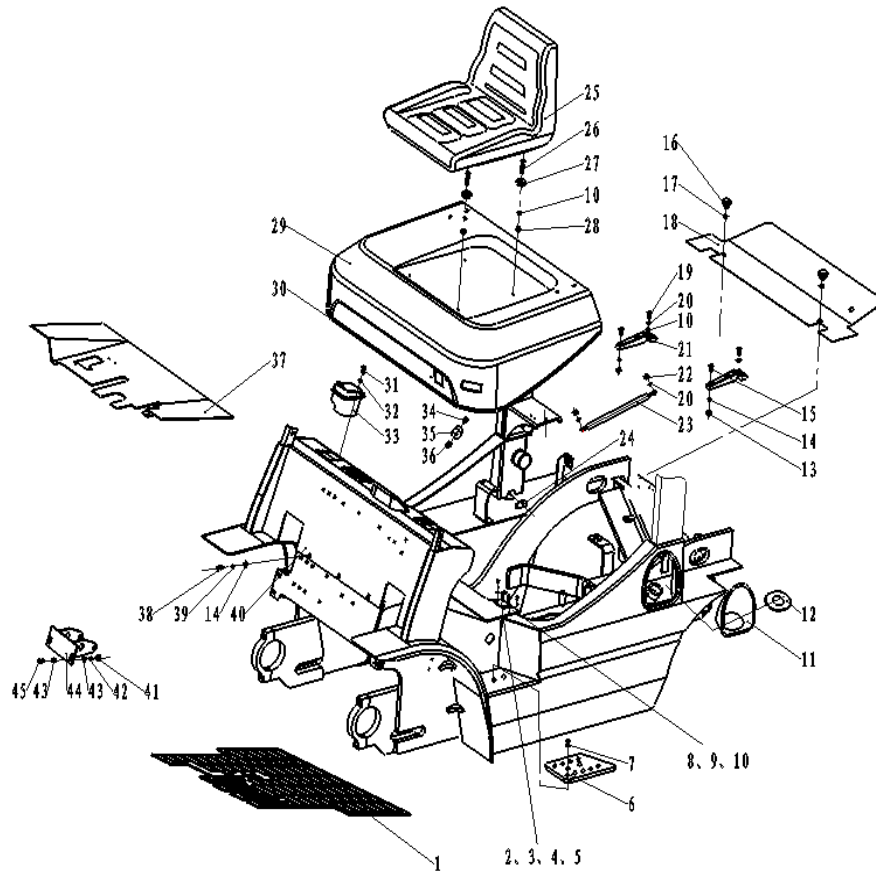
机罩、底板及座椅安装/HOOD, FLOOR & SEAT

FD10, 15, 18 (T)-M2W

FD10, 15, 18 (T)-M2G

FG (L) 10, 15, 18 (T)-M2W

FG (L) 10, 15, 18 (T)-M2G



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	M2036409000	Rubber mat 橡胶地板	1	
02	GB/T823-1988	Screw M6×16 螺钉 M6×16	2	
03	GB/T6170-2000	Nut M6 螺母 M6	2	
04	GB/T93-1987	Washer 6 垫圈 6	2	
05	M3036400026	Hood hook 机罩锁扣钩	1	
06	M1536400002	Non-slip pad 脚踏板	2	
07	GB/T819.1-2000	Screw M8×12 螺钉 M8×12	4	
08	M1536404000	Rear floor board 后地板	1	机械
-	M1546404000	Rear floor board 后地板	1	液力
09	GB/T823-2000	Screw M8×16 螺钉 M8×16	2	
10	GB/T97.1-2002	Washer 8 垫圈8	10	
11	M30364-00002	Jacket 加油口护套	1	
12	A30464-00004	Rubber cover 加油口封盖	1	
13	GB/T889.1-2000	Nut M10 螺母 M10	4	
14	GB/T97.1-2002	Washer 10 垫圈 10	11	
15	GB/T70.1-2000	Screw M10×25 螺钉 M10×25	4	
16	M3036408000	Radiator cover bolt 星形把手	2	
17	M3036400008	Rubber pad 橡胶垫	2	
18	M15364-00001	Radiator cover 水箱盖板	1	
19	GB/T70.1-2000	Screw M8×25 螺钉 M8×25	4	
20	GB/T93-1987	Washer 8 垫圈 8	6	
21	M3036407000	Hinge 铰链	2	
22	GB/T6170-2000	Nut M8 螺母 M8	2	
23	M3036405000	Gas spring 气弹簧	1	
24	M1536103010	Rubber plug 进气塞	1	

图60/F1G60.

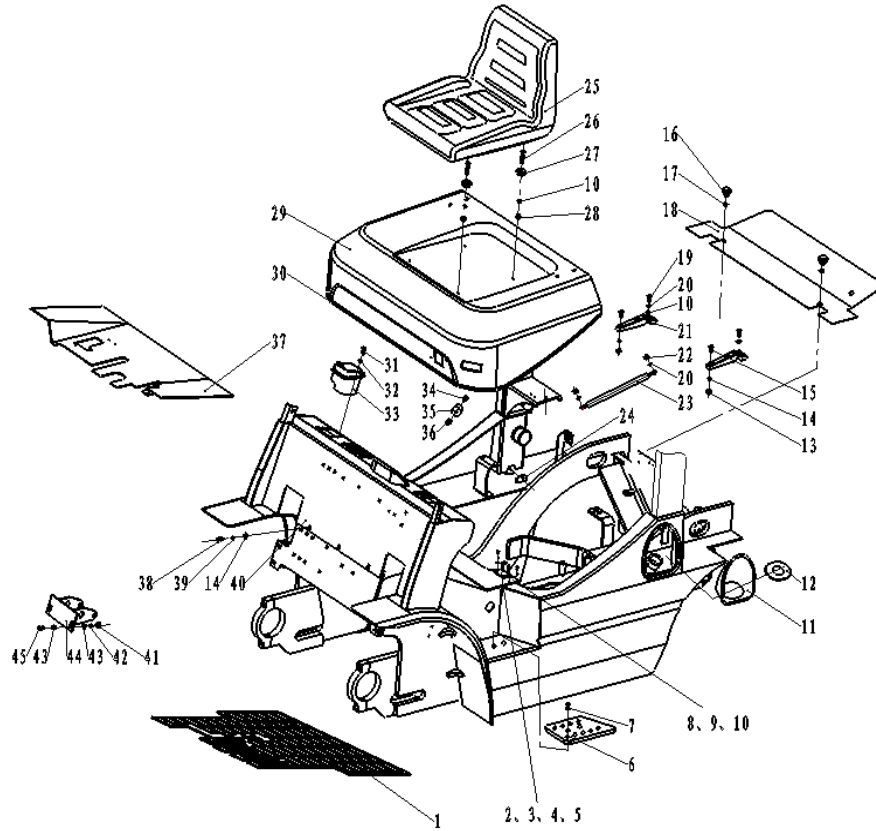
机罩、底板及座椅安装/HOOD, FLOOR & SEAT

FD10, 15, 18 (T)-M2W

FD10, 15, 18 (T)-M2G

FG (L) 10, 15, 18 (T)-M2W

FG (L) 10, 15, 18 (T)-M2G



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
25	3036801000	Seat 座椅	1	
26	GB/T70.1-2000	Screw M8×25 螺钉 M8×25	4	
27	M3032300002	Rubber pad 橡胶垫	4	
28	GB/T889.1-2000	Nut M8 螺母 M8	4	
29	M1536402000	Engine hood 发动机罩	1	
30	M3036400005	Seal strip 密封条	1	
31	GB/T818-2000	Screw M6×12 螺钉 M6×12	2	
32	GB/T97.1-2002	Washer 6 垫圈 6	2	
33	M3036400004	Cup holder 水杯盒	1	
34	GB/T823-2000	Screw M6×25 螺钉 M6×25	2	
35	M3036400027	Hood rubber pad 机罩脚垫	2	
36	GB/T889.1-2000	Nut M6 螺母 M6	2	
37	M1536403000	Front floor board 前地板	1	机械
	M1546403000	Front floor board 前地板	1	液力
38	GB/T5783-2000	Bolt M10×20 螺栓 M10×20	7	
39	GB/T93-1987	Washer 10 垫圈 10	7	
40	M15364-01000	Display bracket 仪表架	1	
41	GB/T6170-2000	Nut M12 螺母 M12	2	
42	GB/T93-1987	Washer 12 垫圈 12	2	
43	GB/T97.1-2002	Washer 12 垫圈 12	4	
44	M3034205000	Orbitrol bracket 转向器安装支座	1	
45	GB/T5783-2000	Bolt M12×30 螺栓 M12×30	2	
45	GB/T5783-2000	Bolt M12×30 螺栓 M12×30	2	

图63/F1G63.

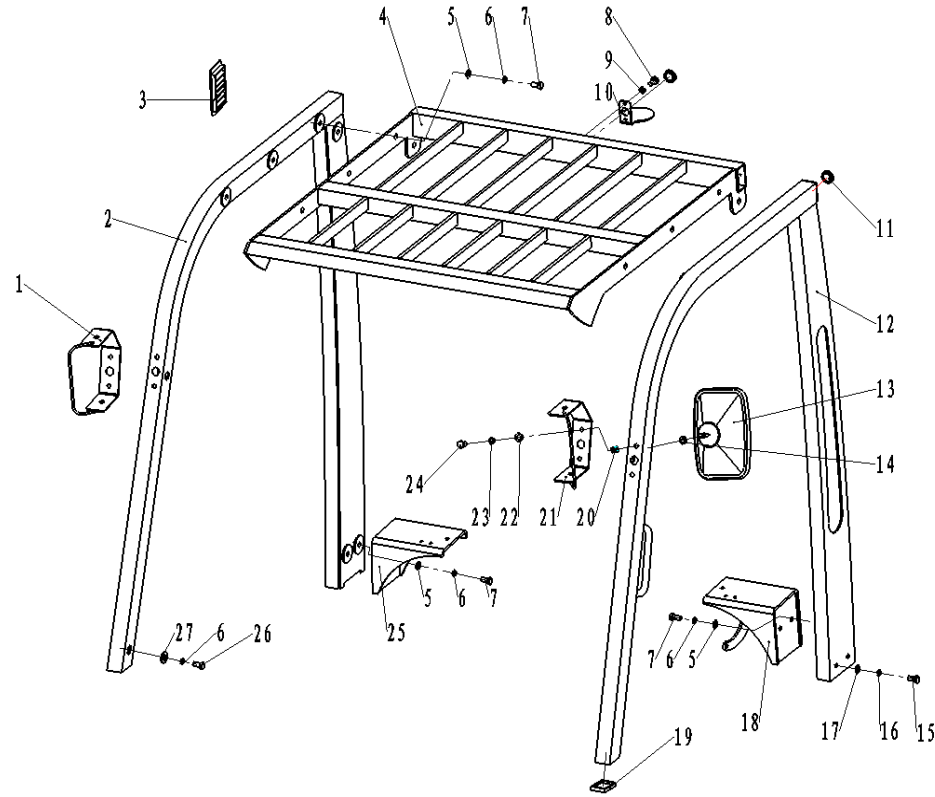
护顶架/OVERHEAD GUARD

FD10, 15, 18 (T)-M2W

FD10, 15, 18 (T)-M2G

FG (L) 10, 15, 18 (T)-M2W

FG (L) 10, 15, 18 (T) -M2G



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark	
01	M30351-03000	Right headlight bracket	右前灯架	1	
02	M30351-01200	Right leg	右立柱	1	
03	30351M-00003	Air inlet	进气窗	1	
04	M15351-01100	Coping	顶盖	1	
05	GB/T97.1-2002	Washer 12	垫圈12	12	
06	GB/T93-1987	Washer 12	垫圈12	14	
07	GB/T5783-2000	Bolt M12×30	螺栓M12×30	12	
08	GB/T5783-2000	Bolt M6×12	螺栓M6×12	2	选装
09	GB/T93-1987	Washer 6	垫圈6	2	选装
10	30351M-00002	Warning light holder	警示灯座	1	选装
11	30351M-0001	Rubber	橡皮塞	1	不装警示灯2个
12	M15351-01300	Left leg	左立柱	1	
13	M3036109000	Rearview mirror	后视镜	1	
14	GB/T6172.1-2000	Nut M8	螺母M8	1	
15	GB/T5783-2000	Bolt M10×25	螺栓M10×25	4	
16	GB/T93-1987	Washer 10	垫圈10	4	
17	GB/T97.1-2002	Washer 10	垫圈10	4	
18	M15351-01400	Left abutment	左支座	1	
19	M1535101001	Rubber pad	橡胶垫	2	
20	GB/T17880.1-1999	Nut M8	平头铆螺母M8	4	
21	M30351-02000	Left headlight bracket	左前灯架	1	
22	GB/T97.1-2002	Washer 8	垫圈8	4	
23	GB/T93-1987	Washer 8	垫圈8	4	
24	GB/T5783-2000	Bolt M8×20	螺栓M8×20	4	
25	M15351-01500	Right abutment	右支座	1	

图65/FIG65.

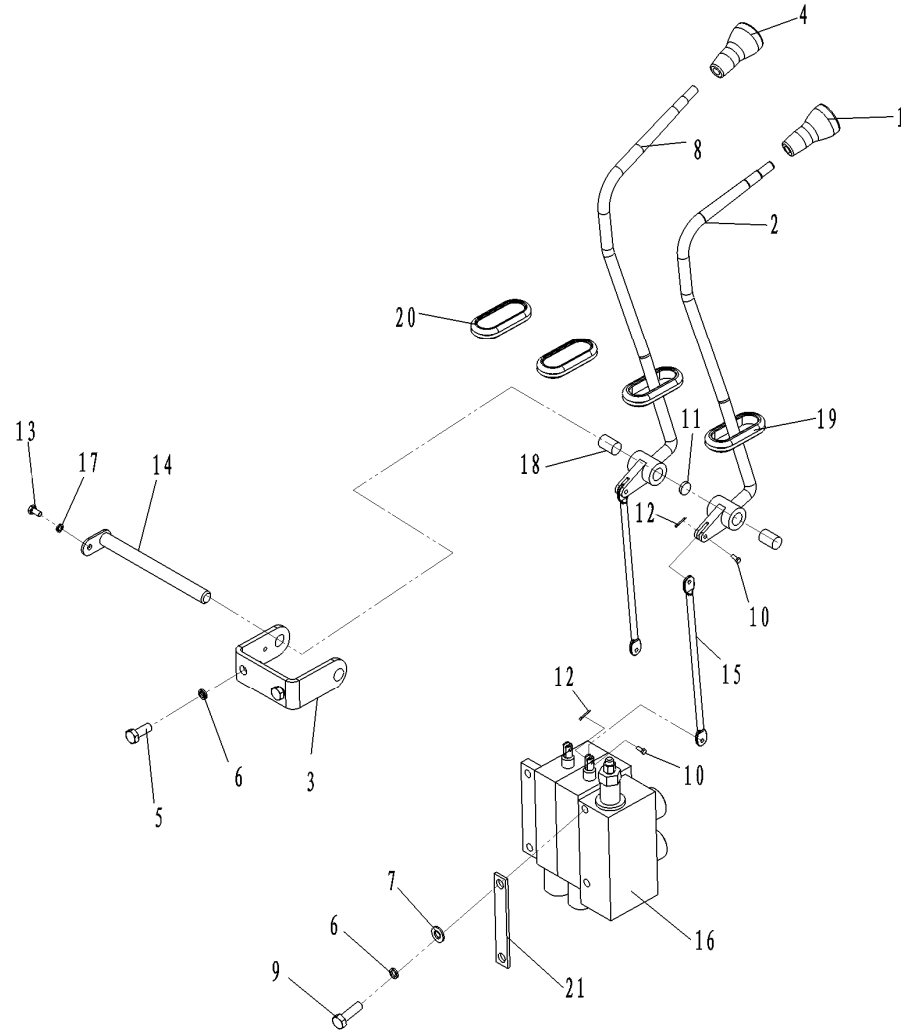
多路换向阀操纵(二联) / VALVE CONTROL LINKAGE (TWO-THROW)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	M3037400006	Lift knob	起升手柄	1
02	M3037401000	Lift lever	起升操纵杆	1
03	M3037405000	Two-way valve bracket	二联支座	1
04	M3037400007	Tilt knob	倾斜手柄	1
05	GB/T5783-2000	Bolt M10×25	螺栓M10×25	2
06	GB/T93-1987	Spring washer 10	垫圈10	6
07	GB/T97.1-2002	Washer 10	垫圈10	4
08	M3037402000	Tilt lever	倾斜操纵杆	1
09	GB/T5786-2000	Bolt M10×1.25×35	螺栓M10×1.25×35	4
10	M3037400001	Pin shaft	销轴	4
11	M2577400003	Multi-way valve bushing	多路阀尼龙衬套	2
12	GB/T91-2000	Cotter pin 2×12	开口销2×12	4
13	GB/T5783-2000	Bolt M6×12	螺栓M6×12	1
14	M3037406000	Two-way valve pin shaft	二联销轴	1
15	M2037400003	Connecting rod	连接杆	2
16	M1537601100	Multi-way valve	多路阀	1
17	GB/T93-1987	Spring washer 6	垫圈6	1
18	-	Bushing bearing	钢背轴衬	2
19	M3037400004	Rubber padA	橡胶套A	2
20	M3037400005	Rubber padB	橡胶套B	2
21	M3037400002	Rubber pad	橡胶垫	2

图66/FIG66.

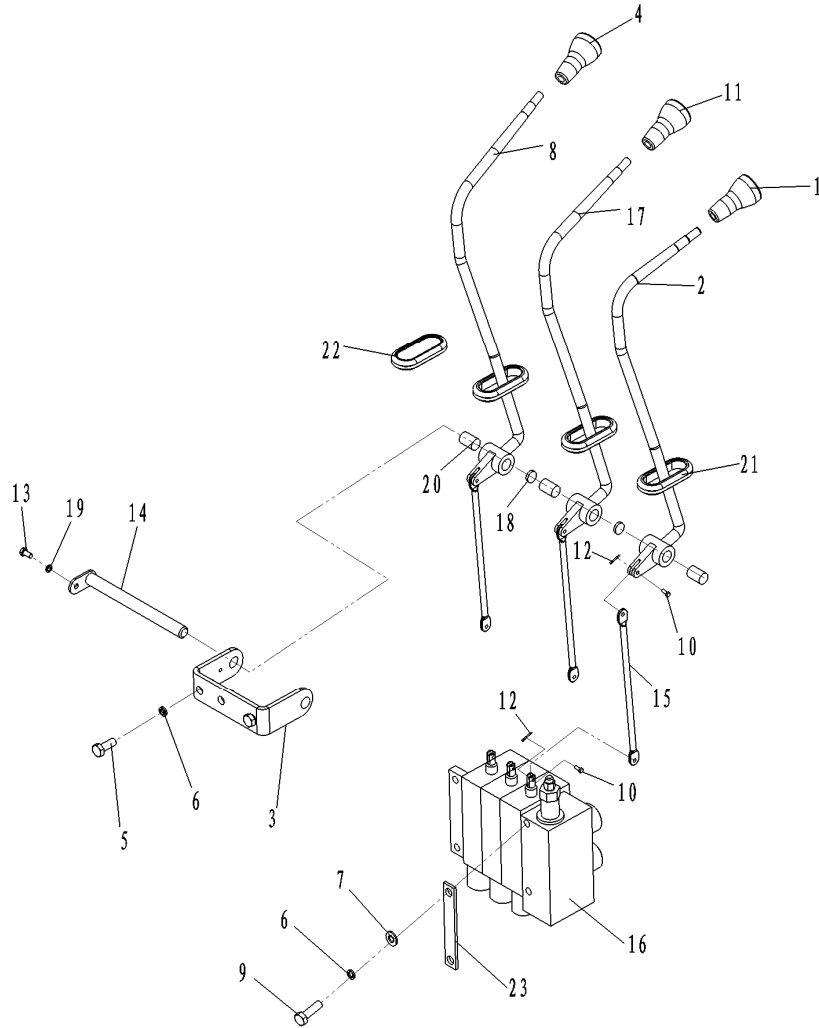
多路换向阀操纵(三联)/VALVE CONTROL LINKAGE (THREE-THROW)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	M3037400006	Lift knob	1	起升手柄
02	M3037401000	Lift lever	1	起升操纵杆
03	M3037407000	Three-way valve bracket	1	三联支座
04	M3037400008	3rd way valve knob	1	侧移手柄
05	GB/T5783-2000	Bolt M10×25	2	螺栓M10×25
06	GB/T93-1987	Spring washer 10	6	垫圈10
07	GB/T97.1-2002	Washer 10	4	垫圈10
08	M3037403000	3rd way valve lever	1	第三联操纵杆
09	GB/T5786-2000	Bolt M10×1.25×35	4	螺栓M10×1.25×35
10	M3037400001	Pin shaft	6	销轴
11	M3037400007	Tilt knob	1	倾斜手柄
12	GB/T91-2000	Cotter pin 2×12	6	开口销2×12
13	GB/T5783-2000	Bolt M6×12	1	螺栓M6×12
14	M3037408000	Three-way valve pin shaft	1	三联销轴
15	M2037400003	Connecting rod	3	连接杆
16	M1537601200	Multi-way valve	1	多路阀
17	M3037402000	Tilt lever	1	倾斜操纵杆
18	M2577400003	Multi-way valve bushing	4	多路阀尼龙衬套
19	GB/T93-1987	Spring washer 6	1	垫圈6
20	-	Bushing bearing	3	钢背轴衬
21	M3037400004	Rubber pad A	3	橡胶套A
22	M3037400005	Rubber pad B	1	橡胶套B
23	M3037400002	Rubber pad	2	橡胶垫

图67/F1G67.

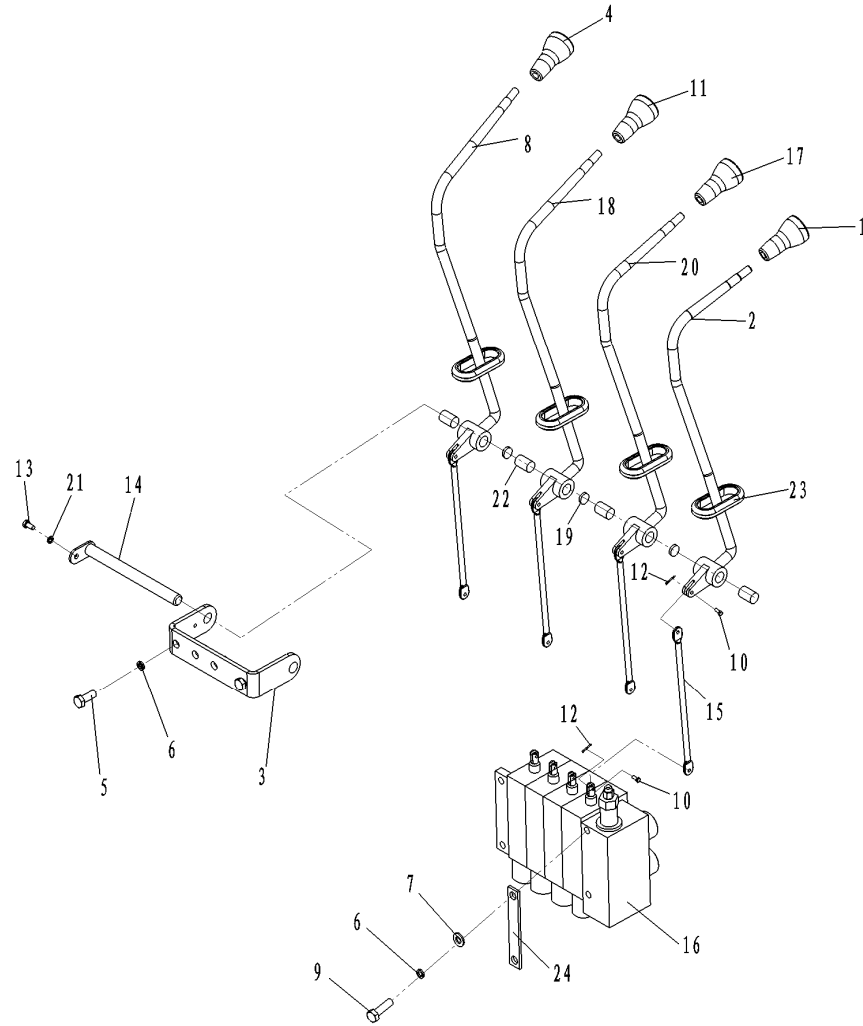
多路换向阀操纵(四联)/VALVE CONTROL LINKAGE (FOUR-THROW)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA

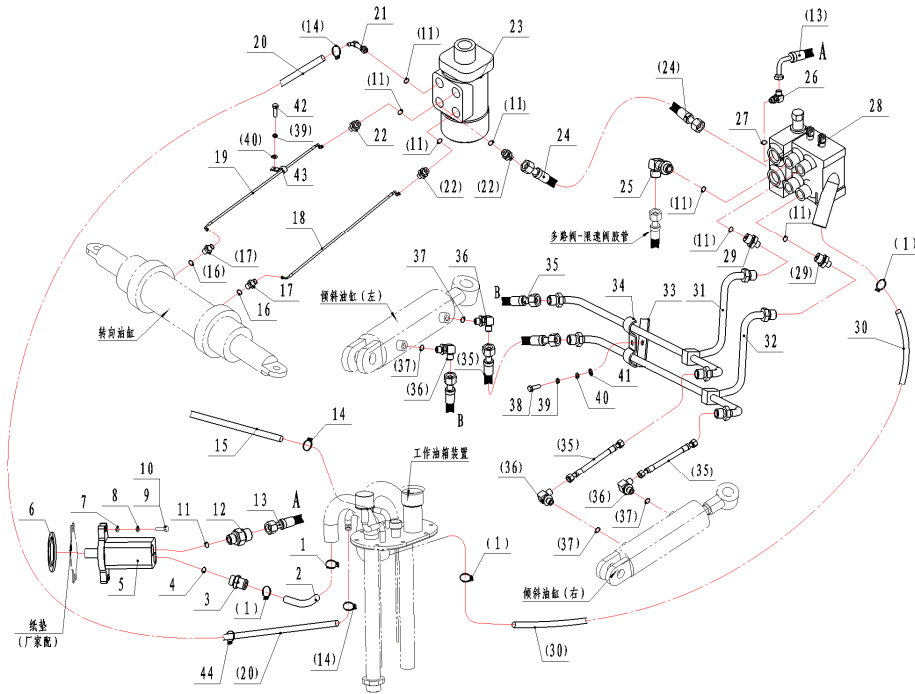


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
01	M3037400006	Lift knob	起升手柄	1
02	M3037401000	Lift lever	起升操纵杆	1
03	M3037409000	Four-way valve bracket	四联支座	1
04	M3037400009	4th way valve knob	属具手柄	1
05	GB/T5783-2000	Bolt M10×25	螺栓M10×25	2
06	GB/T93-1987	Spring washer 10	垫圈10	6
07	GB/T97.1-2002	Washer 10	垫圈10	4
08	M3037404000	4th way valve lever	第四联操纵杆	1
09	GB/T5786-2000	Bolt M10×1.25×35	螺栓M10×1.25×35	4
10	M3037400001	Pin shaft	销轴	8
11	M3037400008	3rd way valve knob	侧移手柄	1
12	GB/T91-2000	Cotter pin 2×12	开口销2×12	8
13	GB/T5783-2000	Bolt M6×12	螺栓M6×12	1
14	M3037410000	Four-way valve pin shaft	四联销轴	1
15	M2037400003	Connecting rod	连接杆	4
16	M1537601300	Multi-way valve	多路阀	1
17	M3037400007	Tilt knob	倾斜手柄	1
18	M3037403000	3rd way valve lever	侧移操纵杆	1
19	M2577400003	Multi-way valve bushing	多路阀尼龙衬套	6
20	M3037402000	Tilt lever	倾斜操纵杆	1
21	GB/T93-1987	Spring washer 6	垫圈6	1
22	-	Bushing bearing	钢背轴衬	4
23	M3037400004	Rubber pad A	橡胶套A	4
24	M3037400002	Rubber pad	橡胶垫	2

图68/F1G68.

液压系统/HYDRAULIC SYSTEM

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG (L) 10, 15, 18-MWB

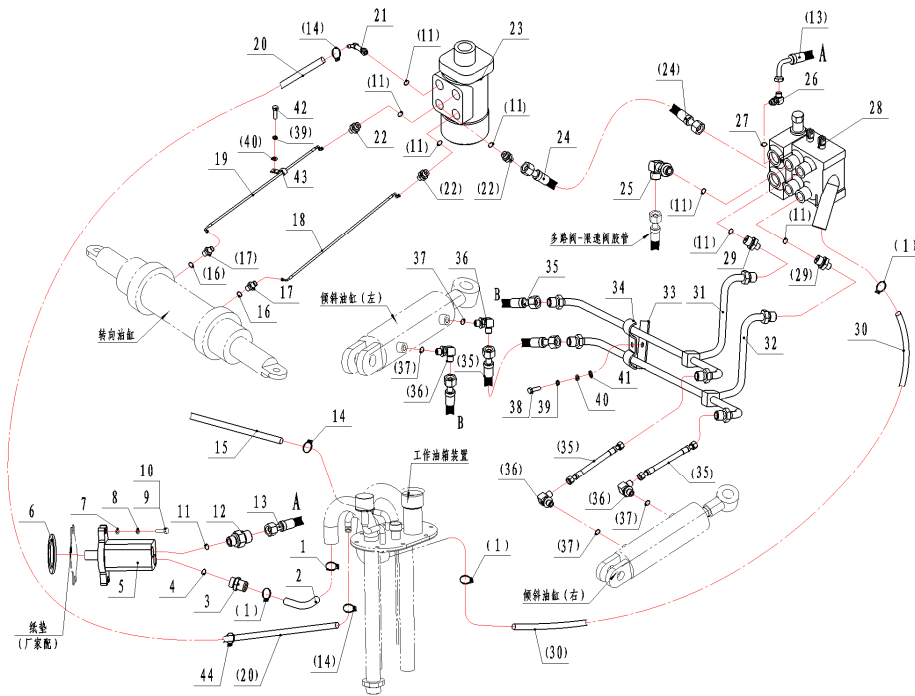


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Hydraulic system	1	液管管路系统
01	QC/T390-1999	Hoopφ45	4	双钢丝卡箍 φ 45
02	M1537603001	Pump suction pipe	1	泵吸油管 485
-	M3037611002	Pump suction pipe	1	C240,NISSAN, YANMAR
-	M1537603002	Pump suction pipe	1	现代
-	30276F-00001	Pump suction pipe	1	WF491
03	M3037600005	Pump suction fitting	1	泵进油接头
04	GB1235-76	O-ring 35×3.5	1	0型圈35×3.5
05	M1537604100	Gear pump	1	齿轮泵 485
-	M1537604200	Gear pump	1	NISSAN
-	M1537604300	Gear pump	1	C240, YANMAR
-	M1537604500	Gear pump	1	现代
-	M1537604400	Gear pump	1	WF491
06	GB3452.1-1992	O-ring 80×3.55	1	0型圈80×3.55
07	GB/T93-1987	Washer 10	2	垫圈10
08	GB97.1-2002	Washer 10	2	垫圈10
09	GB5783-2000	Bolt M10×35	2	螺栓M10×35
10	GB5782-2000	Bolt M10×45	2	螺栓M10×45
11	GB1235-76	O-ring 22×2.4	8	0型圈22×2.4
12	M3037600004	Pump outlet fitting	1	泵出油接头
13	M3037612001	Valve H.P. hose	1	多路阀进油胶管
-	25D76X-00002A	Valve H.P. hose	1	多路阀进油胶管 现代
-	25D76X-01000A	Pump H.P. hose	1	泵出油硬管 现代
14	QC/T390-1999	Hoop φ22	1	双钢丝卡箍 φ 22
15	15386-00003	Return oil hose I	1	回油管 I

图68/F1G68.

液压系统/HYDRAULIC SYSTEM

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG (L) 10, 15, 18-MWB

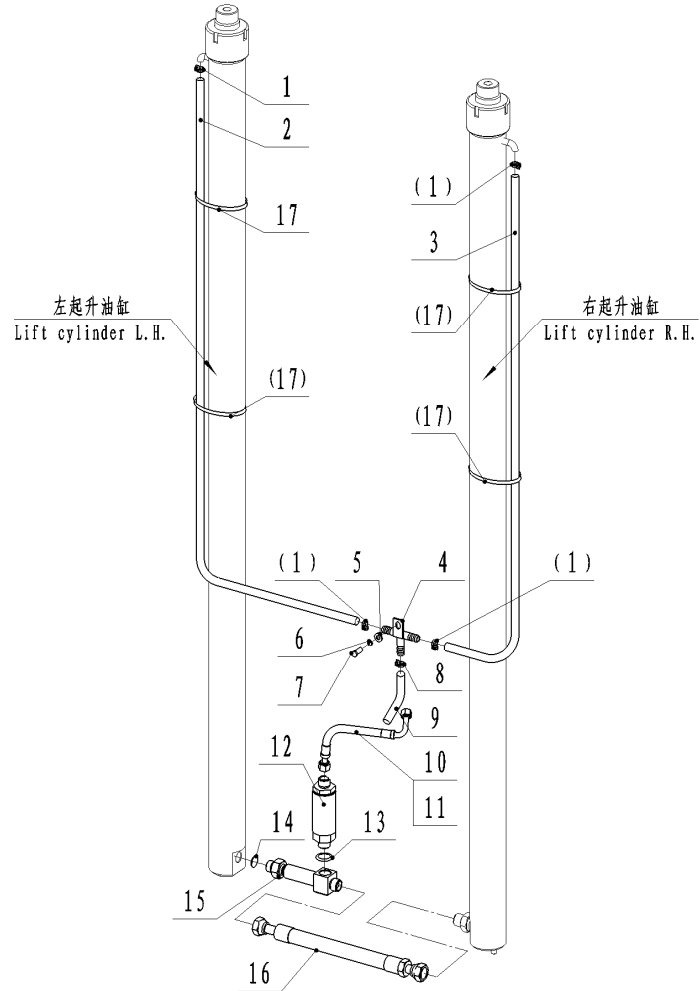


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
16	GB1235-76	O-ring 18×2.4	0型圈18×2.4	2
17	M3037600003	Steering cylinder connector	转向缸接头	2
18	M3037600001	Steering cylinder H.P. hose I	转向缸胶管 I	1
19	M3037600002	Steering cylinder H.P. hose II	转向缸胶管 II	1
20	M3037600022	Orbitrol pipe	转向器回油胶管	1
21	M3037607000	Orbitrol pipe connector	转向器回油接头	1
22	M3037600021	Orbitrol connector	转向器接头	3
23	M1537602000	Orbitrol	转向器	1
24	M3037600013	Orbitrol H.P. hose	转向器进油胶管	1
25	M3037601000	Valve connector(lift cylinder)	多路阀-起升缸接头	1
26	M3037603000	Valve inlet connector	多路阀进油接头	1
27	GB1235-76	O-ring 24×2.4	0型圈24×2.4	1
28	M1537601100	Multi-way valve	多路阀	1 2-way
-	M1537601200	Multi-way valve	多路阀	1 3-way
-	M1537601300	Multi-way valve	多路阀	1 4-way
29	M3037600012	Valve connector(tilting cylinder)	多路阀-倾斜缸接头	2
30	M3037600007	Return oil hose	液压回油管	1
31	M2037601000	Tilt cylinder pipe I	倾斜硬管 I	1
32	M2037602000	Tilt cylinder pipe II	倾斜硬管 II	1
33	M2037600002	Clip II	硬管卡 II	1
34	M2037600001	Clip I	硬管卡 I	1
35	M3037600008	Tilt cylinder hose (front)	硬管-倾斜缸胶管 (前)	4
36	M3037602000	Tilt cylinder connector	倾斜缸接头	4
37	GB/T3452.1-1992	O-ring 11.2×2.65	0型圈11.2×2.65	4
38	GB5783-2000	Bolt M6×25	螺栓M6×25	1

图70/FIG70.

门架管路系统(基本型)/HYDRAULIC SYSTEM MAST (NORMAL MAST M)

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG(L) 10, 15, 18-MWB

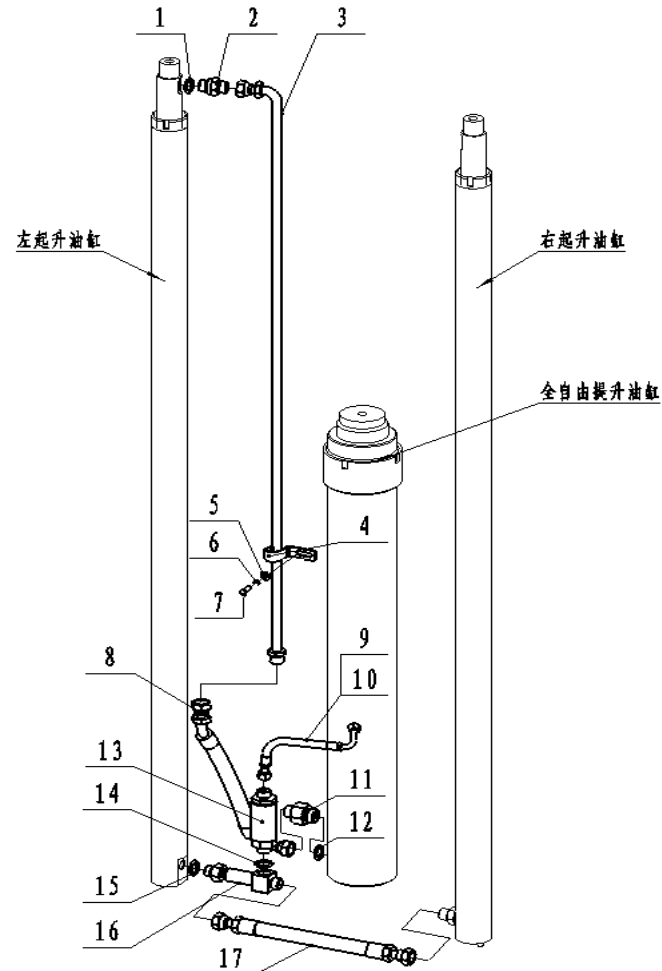


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Mast hydraulic system	门架管路系统	1
01	QC/T390-1999	Hoopφ18	卡箍φ18	4 12.8.16 取消
02	30386-05000	Return oil hose III	回油管III	1 12.8.16 取消
03	15386-02000	Return oil hose II	回油管II	1 12.8.16 取消
04	30386-02000	Return oil tee connector	起升回油三通	1 12.8.16 取消
05	GB97.1-2002	Washer 8	垫片8	1 12.8.16 取消
06	GB93-1987	Spring washer 8	垫圈8	1 12.8.16 取消
07	GB5783-2000	Bolt M8×16	螺栓M8×16	1 12.8.16 取消
08	QC/T390-1999	Hoopφ22	卡箍φ22	1 12.8.16 取消
09	15386-00003	Return oil hose I	回油管I	1 12.8.16 取消
10	20388-00001	Flow regulator H.P. hose II	多路阀-限速阀胶管II	1 内燃
11	20386-00001	Flow regulator H.P. hose	多路阀-限速阀胶管	1
12	15386-01000	Flow regulator	限速阀	1
13	GB/T3452.1-1992	O-ring 17×2.65	O型圈 17×2.65	1
14	GB1235-76	O-ring 22×2.4	O型圈 22×2.4	1
15	30386-01000	Lift cylinder tee connector	起升缸三通	1
16	15386-00001	H.P. hose	起升缸之间胶管	1
17	-	Cable tie	扎带	4 12.8.16 取消

图71/F1G71.

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

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Mast hydraulic system 门架管路系统	1	
01	GB1235-76	O-ring 24×2.4 0型圈 24×2.4	1	
02	35387-00001	Connector 起升缸接头	1	
03	20387-01000	Pipe ass'y 硬管总成	1	
04	30387-00004	Pipe clip 硬管管夹	1	
05	GB97.1-2002	Washer 垫片	8	
06	GB93-1987	Spring washer 垫圈	8	
07	GB5783-2000	Bolt M8×16 螺栓M8×16	1	
08	15387-00001	Middle cylinder H.P. hose 硬管-自由缸间胶管	1	
09	20388-00001	Flow regulator H.P. hose II 多路阀-限速阀胶管 II	1	内燃
10	20386-00001	Flow regulator H.P. hose 多路阀-限速阀胶管	1	
11	30387-00003	Middle cylinder connector 自由缸接头	1	
12	GB1235-76	O-ring 30×3.5 0型圈 30×3.5	1	
13	15386-01000	Flow regulator 限速阀	1	
14	GB/T3452.1-1992	O-ring 17×2.65 0型圈 17×2.65	1	
15	GB1235-76	O-ring 22×2.4 0型圈 22×2.4	1	
16	30386-01000	Lift cylinder tee connector 起升缸三通	1	
17	15386-00001	H.P. hose 起升缸之间胶管	1	

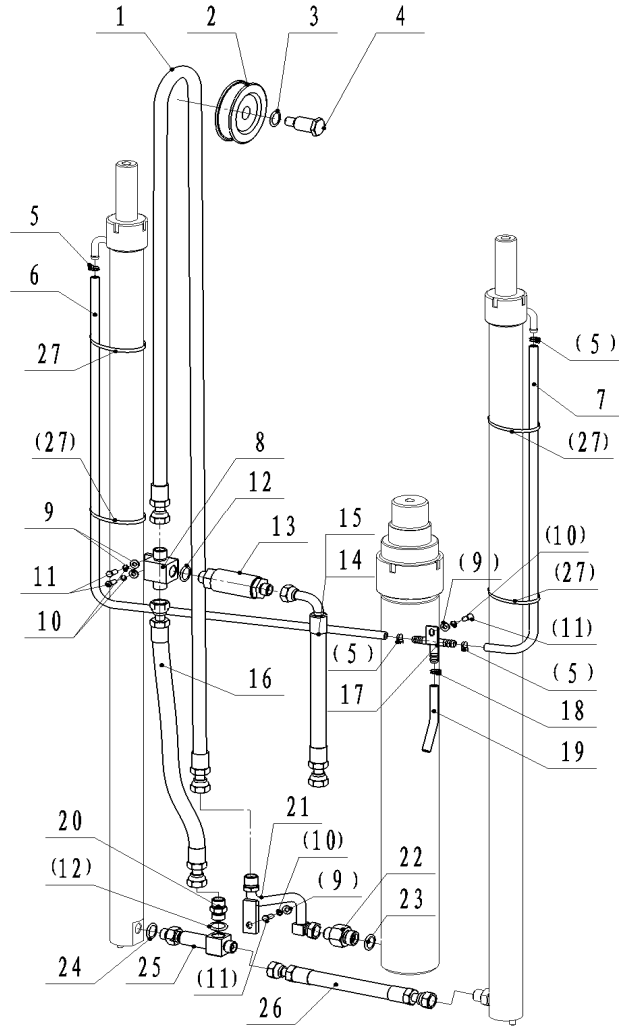
图72/F1G72.

门架管路系统(三级全自由) HYDRAULIC SYSTEM MAST (EULL FREE 3-STAGE MAST ZM)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Mast hydraulic system	1	门架管路系统
1	30388-01000	Middle cylinder H.P. hose	1	全自由缸进油管
2	30388SS-00002	Pulley	1	单滑轮
3	30386S-00004	Sleeve	3	隔套
4	30388-00004	Step bolt	1	台阶螺栓
5	QC/T390-1999	Hoopφ18	4	卡箍φ18
6	15388-04000	Return oil hose III	1	回油管III
7	15388-03000	Return oil hose II	1	回油管II
8	15388-01000	Flow regulator tee connector	1	限速阀三通
9	GB97.1-2002	Washer 8	4	垫片8
10	GB93-1987	Spring washer 8	4	垫圈8
11	GB5783-2000	Bolt M8×16	4	螺栓M8×16
12	GB/T3452.1-1992	O-ring 17×2.65	2	0型圈 17×2.65
13	15386-01000	Flow regulator	1	限速阀
14	15388-00001	Flow regulator H.P. hose I	1	多路阀-限速阀胶管 I
15	30386-00002	Flow regulator H.P. hose I	1	多路阀-限速阀胶管 I
16	15388-00002	Connecting H.P. hose	1	三通-三通间胶管
17	30386-02000	Return oil tee connector	1	起升回油三通
18	QC/T390-1999	Hoopφ22	1	卡箍φ22
19	15386-00003	Return oil hose I	1	回油管 I
20	30388-00003	Connector	1	三通-三通间接头
21	15388-02000	Middle cylinder pipe	1	自由缸进油硬管
22	30388-00005	Middle cylinder connector	1	自由缸接头
23	GB1235-76	O-ring 30×3.1	1	0型圈 30×3.1
24	GB1235-76	O-ring 22×2.4	1	0型圈 22×2.4

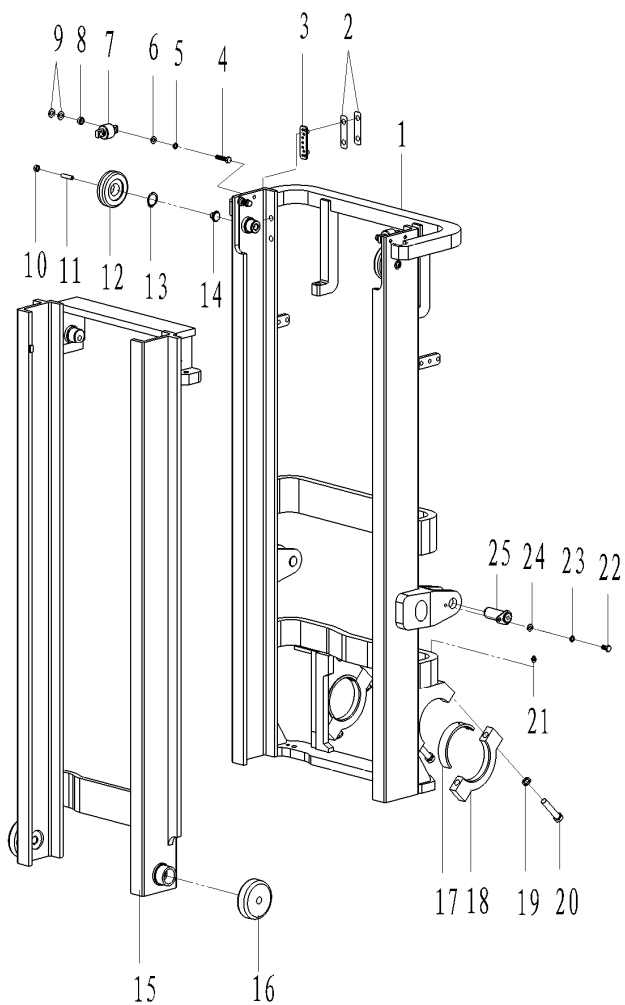
图77/F1G77.

门架(基本型)/MAST (NORMAL MAST M)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

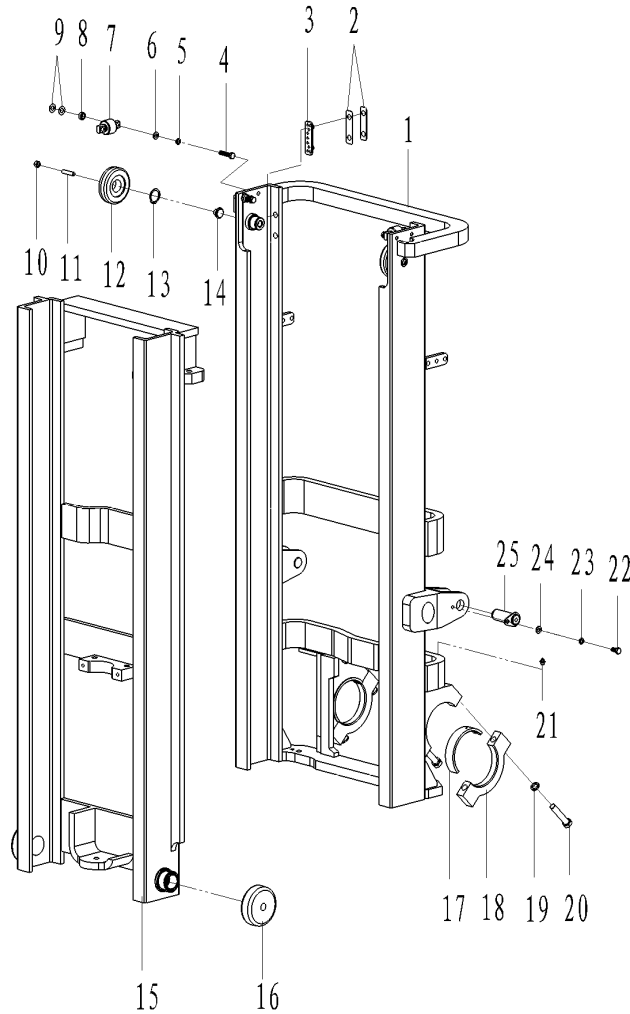


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
1	M1538008000	Outer mast ass'y	外门架	1
2	M1538000004	Adjusting shim set	调整垫片	AR
3	M1538000003	Slipper	滑块	2
4	GB/T5786-2000	Bolt M10×1.25×45	螺栓M10×1.25×45	
5	GB/T93-1987	Washer 10	垫圈10	4
6	GB/T97.1-2002	Washer 10	垫圈10	4
7	M15380012000	Side roller	侧滚轮	2 (CN-2)
8	M3038000005	Washer	垫圈	4
9	M3038000006	Adjusting shim set II	调整垫片 II	4组
10	GB/T6171-2000	Nut M10×1	螺母M10×1	2
11	GB/T77-2000	Screw M10×1×45	螺钉M10×1×45	2
12	M1538011000	Roller	单滚轮	2 (180707K)
13	GB/T894.1-2000	Snap spring35	挡圈35	2
14	M3038000010	Adjusting shim	调整垫	2
15	M1538007000	Inner mast ass'y	内门架	1
16	15S02-02005	Combination roller	复合滚轮	2 (760211AT)
17	M1538000002	Bearing liner	衬	2
18	M1538000001	Bearing cap	盖	2
19	GB/T93-1987	Washer 14	垫圈14	4
20	GB/T5785-2000	Bolt M14×1.5×80	螺栓M14×1.5×80	4
21	GB/T1152-2000	Nipple M10×1	油杯 M10×1	2
22	GB/T5783-2000	Bolt M10×20	螺栓 M10×20	2
23	GB/T93-1987	Spring washer 10	垫圈10	2
24	GB/T97.1-2002	Washer 10	垫圈10	2
25	M1538014000	Pin shaft	销轴	2

图78/FIG78.

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

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG(L) 10, 15, 18-MWB

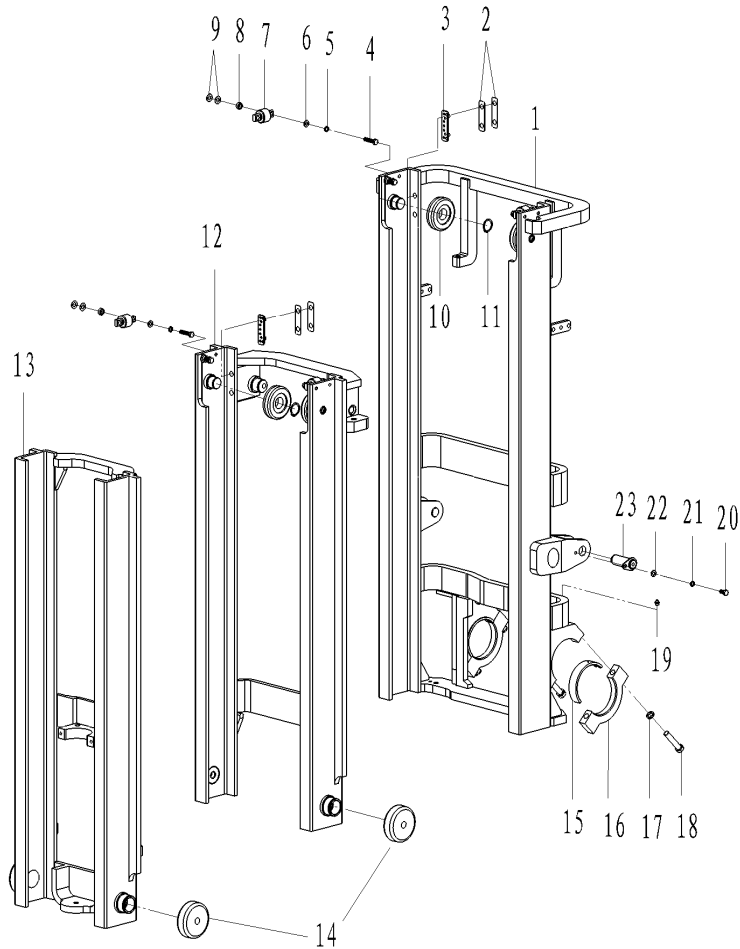


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
1	M15043005000	Outer mast ass'y	外门架	1
2	M1538000004	Adjusting shim set	调整垫片	AR
3	M1538000003	Slipper	滑块	2
4	GB/T5786-2000	Bolt M10×1.25×45	螺栓M10×1.25×45	
5	GB/T93-1987	Spring washer 10	垫圈10	4
6	GB/T97.1-2002	Washer 10	垫圈 10	4
7	M15380012000	Sider roller	侧滚轮	2 (CN-2)
8	M3038000005	Washer	垫圈	4
9	M3038000006	Adjusting shim set II	调整垫片 II	4组
10	GB/T6171-2000	Nut M10×1	螺母M10×1	2
11	GB/T77-2000	Screw M10×1×45	螺钉M10×1×45	2
12	M1538011000	Roller	单滚轮	2 (180707K)
13	GB/T894.1-2000	Snap spring35	挡圈35	2
14	M3038000010	Adjusting shim	调整垫	2
15	M15043004000	Inner mast ass'y	内门架	1
16	15S02-02005	Combination roller	复合滚轮	2 (760211AT)
17	M1538000002	Bearing liner	衬	2
18	M1538000001	Bearing cap	盖	2
19	GB/T93-1987	Spring washer 14	垫圈14	4
20	GB/T5785-2000	Bolt M14×1.5×80	螺栓M14×1.5×80	4
21	GB/T1152-2000	Nipple M10×1	油杯 M10×1	2
22	GB/T5783-2000	Bolt M10×20	螺栓 M10×20	2
23	GB/T93-1987	Spring washer 10	垫圈 10	2
24	GB/T97.1-2002	Washer 10	垫圈 10	2
25	M1538014000	Pin shaft	销轴	2

图79/FIG79.

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

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG(L) 10, 15, 18-MWB

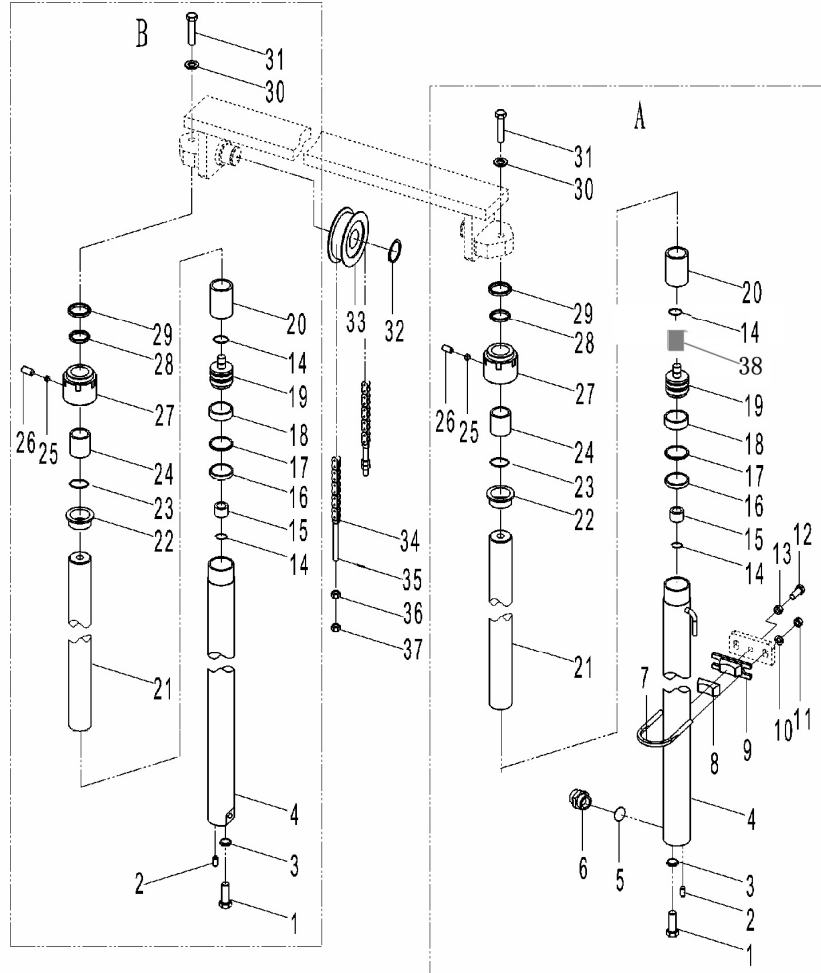


序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
1	M15074005000	Outer mast ass'y	外门架	1
2	M1538000004	Adjusting shim set	调整垫片	AR
3	M1538000003	Slipper	滑块	4
4	GB/T5786-2000	Bolt M10×1.25×45	螺栓M10×1.25×45	8
5	GB/T93-1987	Spring washer 10	垫圈10	8
6	GB/T97.1-2002	Washer 10	垫圈10	8
7	M15380012000	Side roller	侧滚轮	4 (CN-2)
8	M3038000005	Washer	垫圈	8
9	M3038000006	Adjusting shim set II	调整垫片 II	8组
10	M1538011000	Roller	单滚轮	4 (180707K)
11	GB/T894.1-2000	Snap spring 35	挡圈35	4
12	M15074004000	Middle mast ass'y	中门架	1
13	M15074003000	Inner mast ass'y	内门架	1
14	15S02-02005	Combination roller	复合滚轮	4 (760211AT)
15	M1538000002	Bearing liner	衬	2
16	M1538000001	Bearing cap	盖	2
17	GB/T93-1987	Spring washer 14	垫圈14	4
18	GB/T5785-2000	Bolt M14×1.5×80	螺栓M14×1.5×80	4
19	GB/T1152-2000	Nipple M10×1	油杯 M10×1	2
20	GB/T5783-2000	Bolt M10×20	螺栓 M10×20	2
21	GB/T93-1987	Spring washer 10	垫圈10	2
22	GB/T97.1-2002	Washer 10	垫圈10	2
23	M1538014000	Pin shaft	销轴	2

图80/FIG80.

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

FD10, 15, 18-MGI
 FD10, 15, 18-MWA/B/C
 FG (L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	M1538009000	Lift cylinder(right)	1	右起升油缸
	M1538009000A	Lift cylinder(right)	1	12.08.18起
	M1538009000B	Lift cylinder(right)	1	13.09.12起
B	M1538006000	Lift cylinder(left)	1	左起升油缸
	M1538006000A	Lift cylinder(left)	1	12.08.18起
	M1538006000B	Lift cylinder(left)	1	13.09.12起
1	GB/T5786-2000	Bolt M12×1.25×25	2	螺栓M12×1.25×25
2	GB119-86	Pin B10×25	2	圆柱销B10×25
3	GB/T93-1987	Spring washer 12	2	垫圈 12
4	M152J01-100	Cylinder body	2	缸体
5	GB1235-76	O-ring 22×2.4	1	O形圈22×2.4
6	Max020-SV100	Safety valve	1	防爆阀
7	M1538000005	Hoop	2	箍
8	M1538000006	Rubber pad	2	橡胶套
9	M1538000007	Hoop seat	2	箍座
10	GB/T97.1-2002	Washer 10	4	垫圈 10
11	GB/T6171-2000	Nut M10×1.25	4	螺母M10×1.25
12	GB/T5786-2000	Bolt M12×1.25×30	2	螺栓 M12×1.25×30
13	GB/T6171-2000	Nut M12×1.25	2	螺母M12×1.25
14	GB/895.1-86	Snap spring 24	2	钢丝挡圈24
15	TLC-15T03	Sleeve	2	阀套
16	OSI 50	Packing 45×35×6	2	孔封45×35×6
17	φ45×φ35×3	Snap spring	2	挡圈
18	D45×8×2.5	Bush bearing ring	2	孔用支承环
19	TLC-15T02	Piston	2	活塞

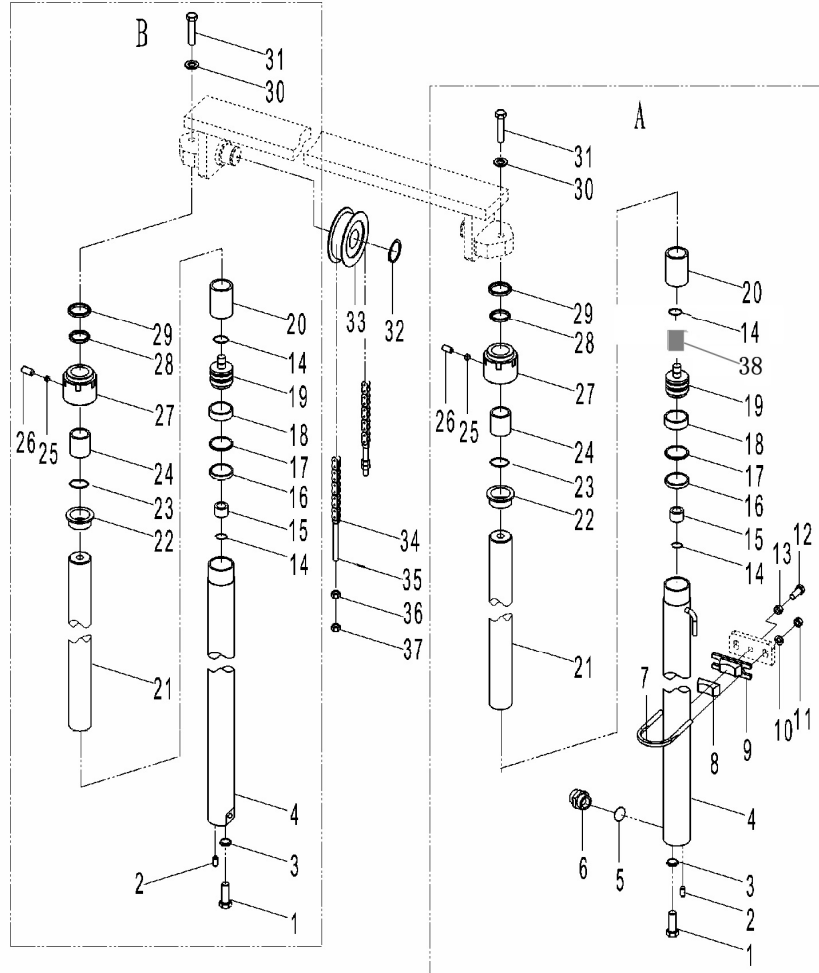
图80/FIG80.

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

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG (L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark	
20	TLC-20T11	Sleeve $\phi 35 \times 50$	隔套 $\phi 35 \times 50$	按需	
21	M152J01-1	Piston rod	活塞杆	2	
22	TLC-15T06	Bushing	衬套	2	
23	P50	O-ring 49.7 \times 3.5	O型圈49.7 \times 3.5	2	
24	SF-1	Bush bearing $\phi 35 \times \phi 39 \times 30$	钢背轴承 $\phi 35 \times \phi 39 \times 30$	2	
25	-	Nylon pad $\phi 6 \times 3$	尼龙垫 $\phi 6 \times 3$	2	
26	GB/77-85	Screw M8 \times 8	螺钉M8 \times 8	2	
27	TLC-20T04	Cylinder cap	缸盖	2	
	TLC-15T05	Cylinder cap	缸盖	2	13.09.12起
28	ISI 45	Packing 35 \times 45 \times 6	轴封35 \times 45 \times 6	2	
	ISI 45	Packing 35 \times 45 \times 6	轴封35 \times 45 \times 6	2	13.10.14起
29	LBH 45	Dust-proof seal 35 \times 45 \times 5/6.5	防尘圈35 \times 45 \times 5/6.5	2	
	LBH 45	Dust-proof seal 35 \times 45 \times 5/6.5	防尘圈35 \times 45 \times 5/6.5	2	13.09.12起
30	GB/T93-1987	Washer 14	垫圈14	2	
31	GB/T5786-2000	Bolt M14 \times 1.5 \times 35	螺栓 M14 \times 1.5 \times 35	2	
32	GB/T894.1-2000	Snap spring40	挡圈40	2	
33	M1538013000	Chain roller	链轮	2	(780708K1)
34	M1538001000	Chain	链条	2	
35	GB/T91-2000	Cotter pin B3.2 \times 30	开口销B3.2 \times 30	4	
36	22118-40181	Spherical nut M14 \times 1.5	球面螺母M14 \times 1.5	4	
37	GB/T6171-2000	Nut M14 \times 1.5	螺母M14 \times 1.5	4	
38	TLC015-SV100	Spool	单向阀	2	

图81/FIG81.

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

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L)10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	M15043008000	Middle cylinder	1	前起升缸
1	GB/5785-2000	Bolt M16×55	1	螺栓M16×55
2	GB/T93-1987	Spring asher 16	1	垫圈16
3	M15043007000	Roller seat	1	缸头
4	M15380013000	Chain roller	2	链轮
5	GB/T894.1-2000	Snap spring 40	2	挡圈 40
6	M15043001000	Chain	2	链条
7	GB/T91-2000	Cotter pin 3.2×30	4	开口销 3.2×30
8	22118-40181	Spherical nut M14×1.5	4	球面螺母M14×1.5
9	GB/T6171-2000	Nut M14×1.5	4	螺母M14×1.5
10	LBH 70	Dust-proof seal 70×80×6/8	1	防尘圈70×80×6/8
11	d70×φ80×3	Snap spring	1	挡圈
12	ISI 70	Packing 70×80×6	1	轴封70×80×6
13	TLC-30T21	Plug ZG1/4"	1	螺塞ZG1/4"
14	GB80-85	Plug M8×10	1	止动螺钉M8×10
15	-	Nylon pad φ6×3	1	尼龙垫Φ6×3
16	TLC-15T05	Cylinder cap	1	缸盖
17	SF-1/70×75×30	Bush bearing	1	钢背轴承
18	d89×φ94×2	Snap spring	1	挡圈
19	GB3452.1-82	O-ring 90×3.55	1	O形圈90×3.55
20	M152J05-200A	Piston rod	1	活塞杆
21	GB/T5783-2000	Bolt M10×1.25×20	2	螺栓M10×1.25×20
22	GB/T93-1987	Spring washer 10	2	垫圈10
23	M15043000001	U-hoop	1	抱箍
24	D80×25×3	Bush bearing ring	1	孔用支承环

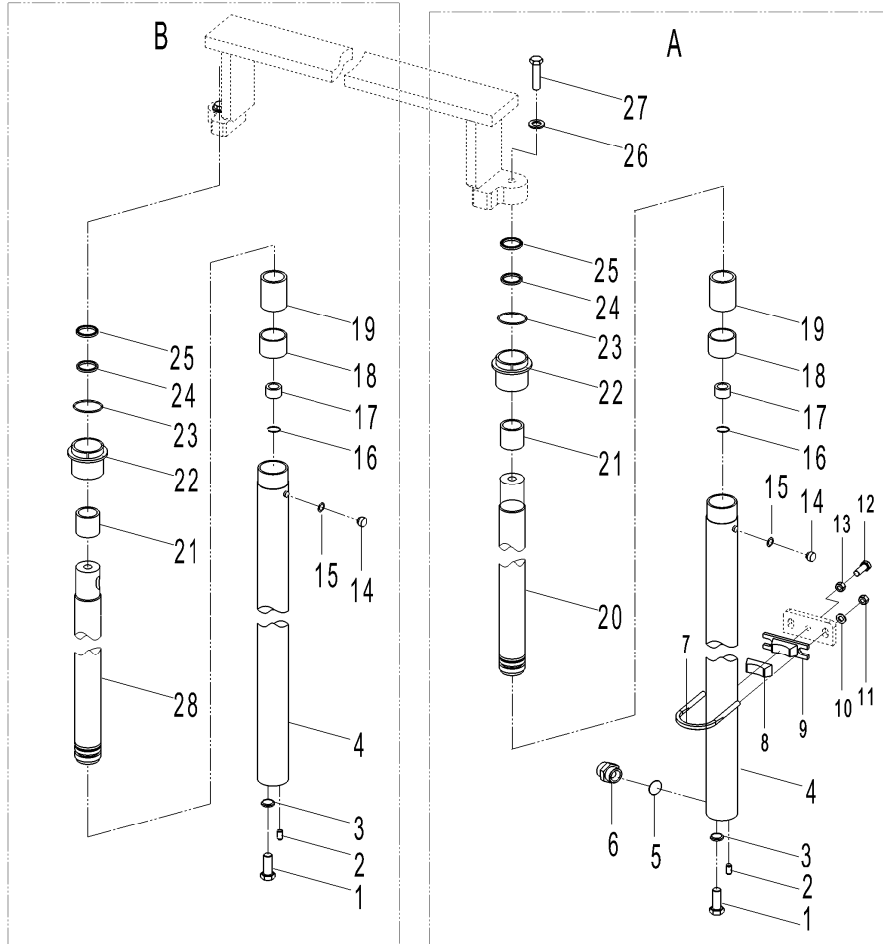
图82/F1G82.

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

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	M15043006000	Lift cylinder(right)	1	右起升油缸
B	M15043003000	Lift cylinder(left)	1	左起升油缸
01	GB/T5786-2000	Bolt M12×1.25×25	2	螺栓M12×1.25×25
02	GB/119-86	Pin B10×25	2	圆柱销B10×25
03	GB/T93-1987	Spring washer 12	2	垫圈 12
04	M152J03-200	Cylinder body	2	缸体
05	GB1235-76	O-ring 22×2.4	1	O形圈22×2.4
06	Max020-SV100	Safety valve	1	防爆阀
07	M1538000005	Hoop	2	箍
08	M1538000006	Rubber pad	2	橡胶套
09	M1538000007	Hoop seat	2	箍座
10	GB/T97.1-2002	Washer 10	4	垫圈 10
11	GB/T6171-2000	Nut M10×1.25	4	螺母M10×1.25
12	GB/T5786-2000	Bolt M12×1.25×30	2	螺栓 M12×1.25×30
13	GB/T6171-2000	Nut M12×1.25	2	螺母M12×1.25
14	TLC-30T16	Deflate plug M8	2	放气堵M8
15	JB982-77	Seal ring 8	2	组合密封垫8
16	GB895.1-86	Snap spring 22	2	钢丝挡圈22
17	TLC-15T15	Sleeve	2	阀套
18	D45×24×3	Bearing ring	2	孔用支撑环
19	TLC-15T16	Sleeve φ32×100	2	隔套 φ32×100
20	M152J04-100A	Piston rod (right)	1	右活塞杆
21	SF-1/32×36×30	Bush bearing	2	钢背轴承
22	TLC-15T19	Cylinder cap	2	导向套
23	GB1235-76	O-ring 50×3.1	2	O形圈50×3.1

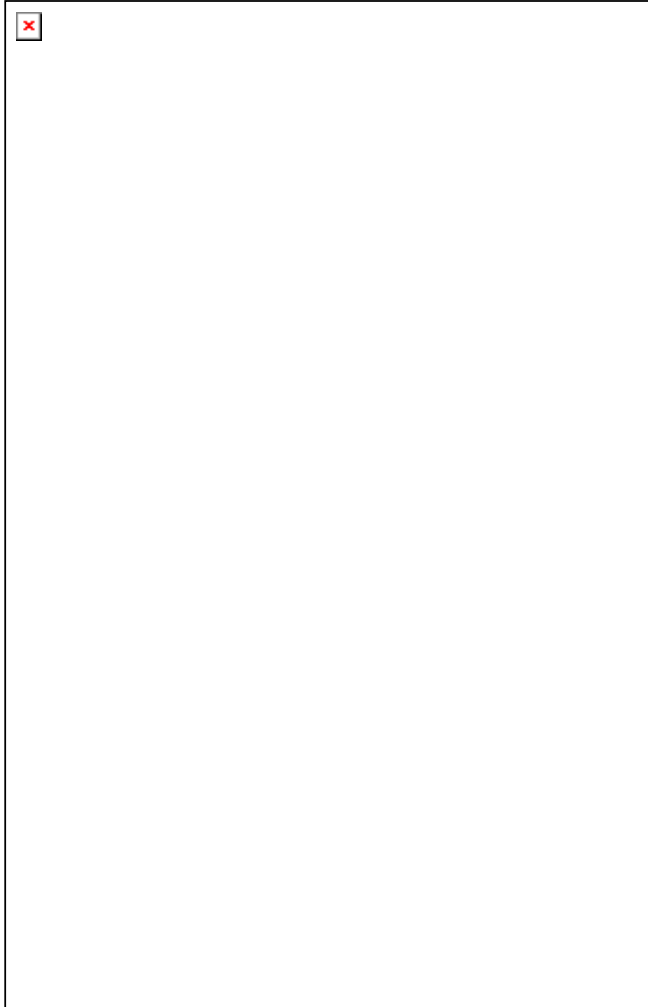
图83/F1G83.

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

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description		数量 Q'ty	备注 Remark
A	M15074009000	Middle cylinder	中间缸	1	(Ma×153J03)
1	GB/5785-2000	Bolt M16×55	螺栓M16×55	1	
2	GB/T93-1987	Spring washer 16	垫圈16	1	
3	M15074008000	Roller seat	缸头	1	
4	M1538013000	Chain roller	链轮	2	
5	GB/T894.1-2000	Snap spring40	挡圈40	2	
6	M1538013000	Chain	链条	2	(780708K1)
7	GB/T91-2000	Cotter pin 3.2×30	开口销 3.2×30	2	
8	22118-40181	Spherical nut M14×1.5	球面螺母M14×1.5	4	
9	GB/T6171-2000	Nut M14×1.5	螺母M14×1.5	4	
10	LBH 70	Dust-proof seal 70×80×6/8	防尘圈70×80×6/8	1	
11	d70×φ80×3	Snap spring	挡圈	1	
12	ISI 70	Packing 70×80×6	轴封70×80×6	1	
13	TLC-30T21	Plug ZG1/4"	螺塞ZG1/4"	1	
14	GB77-85	Screw M8×8	六角螺钉M8×8	1	内六角
15	-	Nylon pad φ6×3	尼龙垫 φ6×3	1	
16	TLC-15T09	Cylinder cap	缸盖	1	
17	SF-1/70×75×30	Bush bearing	钢背轴承	1	
18	d89×φ94×2	Snap spring	挡圈	1	
19	GB3452.1-82	O-ring 90×3.55	O形圈90×3.55	1	
20	Ma×153J03-200A	Piston rod	活塞杆	1	
21	GB/T5786-2000	Bolt M10×1.25×20	螺栓M10×1.25×20	2	
22	GB/T93-1987	Spring washer 10	垫圈10	2	
23	M15074000001	U-hoop	抱箍	1	
24	D80×25×3	Bush bearing ring	孔用支承环	1	

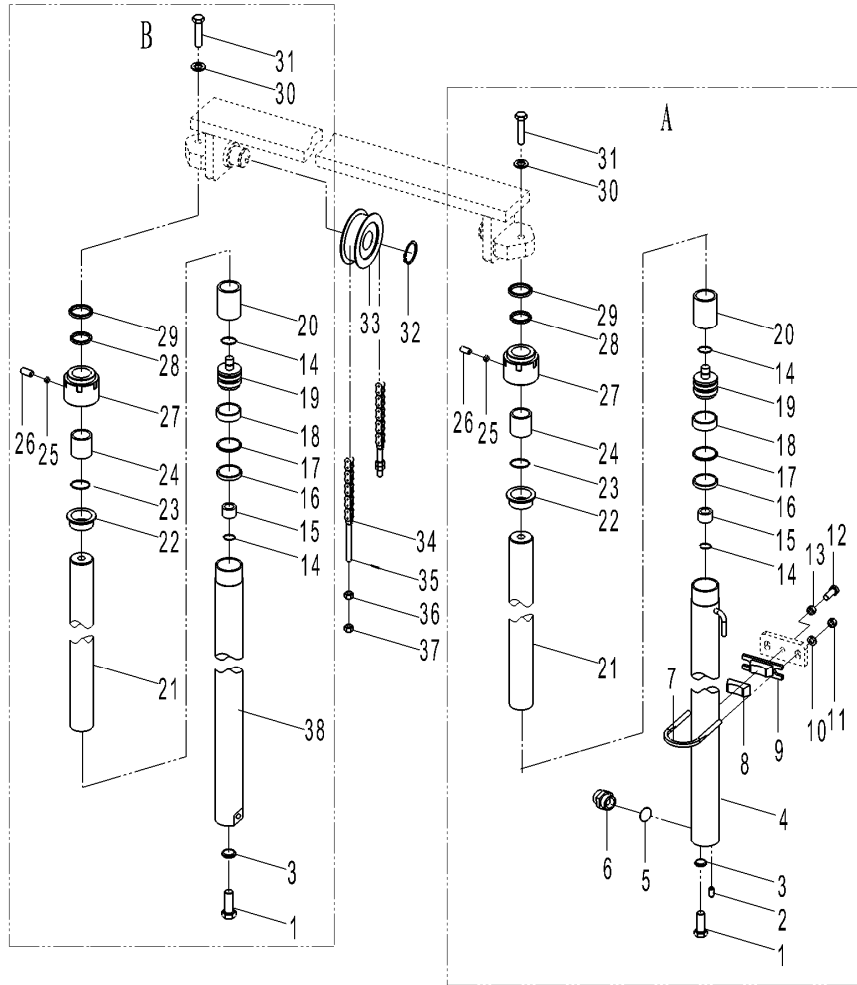
图84/FIG84.

后起升油缸(三级全自由)/REAR LIFT CYLINDER(FULL FREE 3-STAGE MAST ZM)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	M15074006000	Lift cylinder(right)	1	右起升油缸
	M15074006000A	Lift cylinder(right)	1	12.08.18起
	M15074006000B	Lift cylinder(right)	1	13.09.12起
B	M15074007000	Lift cylinder(left)	1	左起升油缸
	M15074007000A	Lift cylinder(left)	1	12.08.18起
	M15074007000B	Lift cylinder(left)	1	13.09.12起
1	GB/T5786-2000	Bolt M12×1.25×25	2	螺栓M12×1.25×25
2	GB119-86	Pin B10×24	1	圆柱销B10×24
3	GB/T93-1987	Spring asher	12	垫圈 12
4	Max153J02-100	Cylinder body (right)	1	右缸体
5	GB1235-76	O-ring 22×2.4	1	O形圈22×2.4
6	Max020-SV100	Safety valve	1	防爆阀
7	M1538000005	Hoop	2	箍
8	M1538000006	Rubber pad	2	橡胶套
9	M1538000007	Hoop seat	2	箍座
10	GB/T97.1-2002	Washer 10	4	垫圈 10
11	GB/T6171-2000	Nut M10×1.25	4	螺母M10×1.25
12	GB/T5786-2000	Bolt M12×1.25×30	2	螺栓 M12×1.25×30
13	GB/T6171-2000	Nut M12×1.25	2	螺母M12×1.25
14	GB895.1-86	Snap spring d=24	4	钢丝挡圈d=24
15	TLC-15T03A	Sleeve	2	阀套
16	OSI 45	Packing 45×35×6	2	孔封45×35×6
17	φ45×φ35×3	Snap spring	2	挡圈
18	D45×8×2.5	Bush bearing ring	2	孔用支承环
19	TLC-15T02	Piston	2	活塞

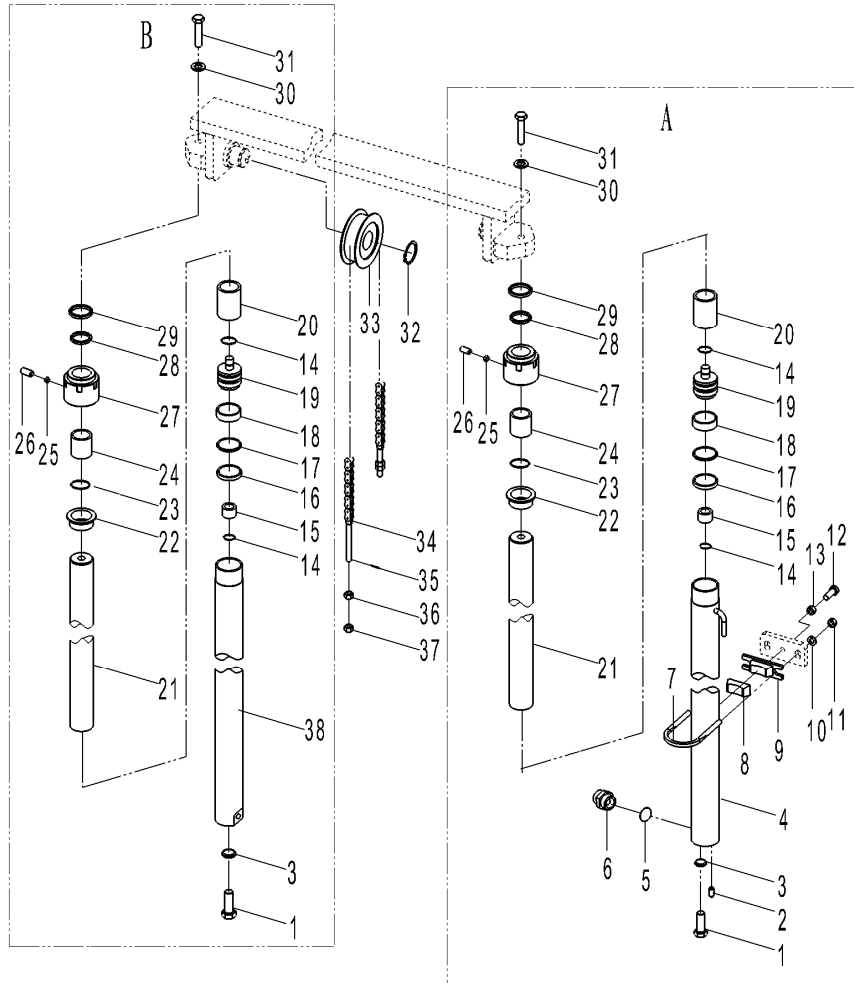
图84/FIG84.

后起升油缸(三级全自由)/REAR LIFT CYLINDER(FULL FREE 3-STAGE MAST ZM)

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
20	Max153J01-2	Sleeve	隔套 2	
21	Max153J01-1	Piston rod	活塞杆 2	
22	TLC-15T06	Bushing	衬套 2	
23	GB1235-76	O-ring 55×3.1	O形圈55×3.1 2	
24	SF-1/φ35×φ39×30	Bush bearing	钢背轴承 2	
25		Nylon pad φ6×3	尼龙垫 φ6×3 2	
26	GB77-85	Screw M8×8	内六角螺钉M8×8 2	
27	TLC-15T05	Cylinder cap	缸盖 2	
	TLC-15T05A	Cylinder cap	缸盖 2	13.09.12起
28	ISI 35	Packing 35×45×6	轴封35×45×6 2	
	CF 35×45×7	Packing	轴封 2	13.10.14起
29	LBH .5	Dust-proof seal 35×43×5/6.5	防尘圈35×43×5/6.5 2	
	CE1 35×47×7/10	Dust-proof seal	防尘圈 2	13.09.12起
30	GB/T93-1987	Spring washer 16	垫圈16 2	
31	GB5786-2000	Bolt M16×1.5×35	螺栓M16×1.5×35 2	
32	GB/T894.1-2000	Snap spring40	挡圈40 2	
33	M1538013000	Chain roller	链轮 2	
34	M15074001000	Chain	链条 2	
35		Cotter pin 3.2×30	开口销3.2×30 4	
36	22118-40181	Spherical nut M14×1.5	球面螺母M14×1.5 4	
37	GB/T6171-2000	Nut M14×1.5	螺母M14×1.5 4	
38	MAX153J01-1000	Cylinder body (left)	左缸体 1	
39	TLC015-SV100	One-way valve	单向阀 1	

图85/F1G85.

倾斜油缸/TILT CYLINDER

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	M1538010000	Tilt cylinder(right)		右倾斜缸
B	M1538004000	Tilt cylinder(left)		左倾斜缸
1	GB/T6171-86	Nut M12×1.5	1	螺母M12×1.5
2	GB/T93-1987	Spring washer 12	1	垫圈12
3	GB1152-79	Nipple M10×1	1	油杯M10×1
4	308530-2	Connect ring	1	耳环
5	GB304.5-81	Oscillating bearing GE30ES	1	关节轴承GE30ES
6	GB893.1-86	Clip spring D47	1	孔用弹挡D47
7	GB5786-2000	Bolt M12×1.5×40	1	螺栓M12×1.5×40
8	LBH 30	Dust-proof seal d30×38×5/6.5	1	防尘圈d30×38×5/6.5
9	φ30×φ40×3	Snap spring	1	挡圈
10	ISI 30	Packing φ30×φ40×6	1	轴封φ30×φ40×6
11	SF-1	Bush bearing φ30×φ34×30	1	钢背轴承φ30×φ34×30
12	MS15385-2	Cylinder cap	1	导向套
13	φ63×φ58.5×1.5	Snap spring	1	挡圈
14	GB1235-76	O-ring 63×3.1	1	O型圈63×3.1
15	MS15385-1	Piston rod	1	活塞杆
16	GB1235-76	O-ring 22×2.4	1	O型圈22×2.4
17	MS15385-3	Sleeve	1	隔套
18	OSI 63	Packing 63×53×6	2	孔封63×53×6
19	D63×15.7×2.5	Bush bearing ring	1	孔用支承环
20	MS15385-5	Piston	1	活塞
21	GB91-86	Cotter pin 4×40	1	开口销4×40
22	GB9457-88	Nut M20×2 620	1	槽母M20×2厚20
23	M15385- 4	Spacer	1	缸套

图86/F1G86.

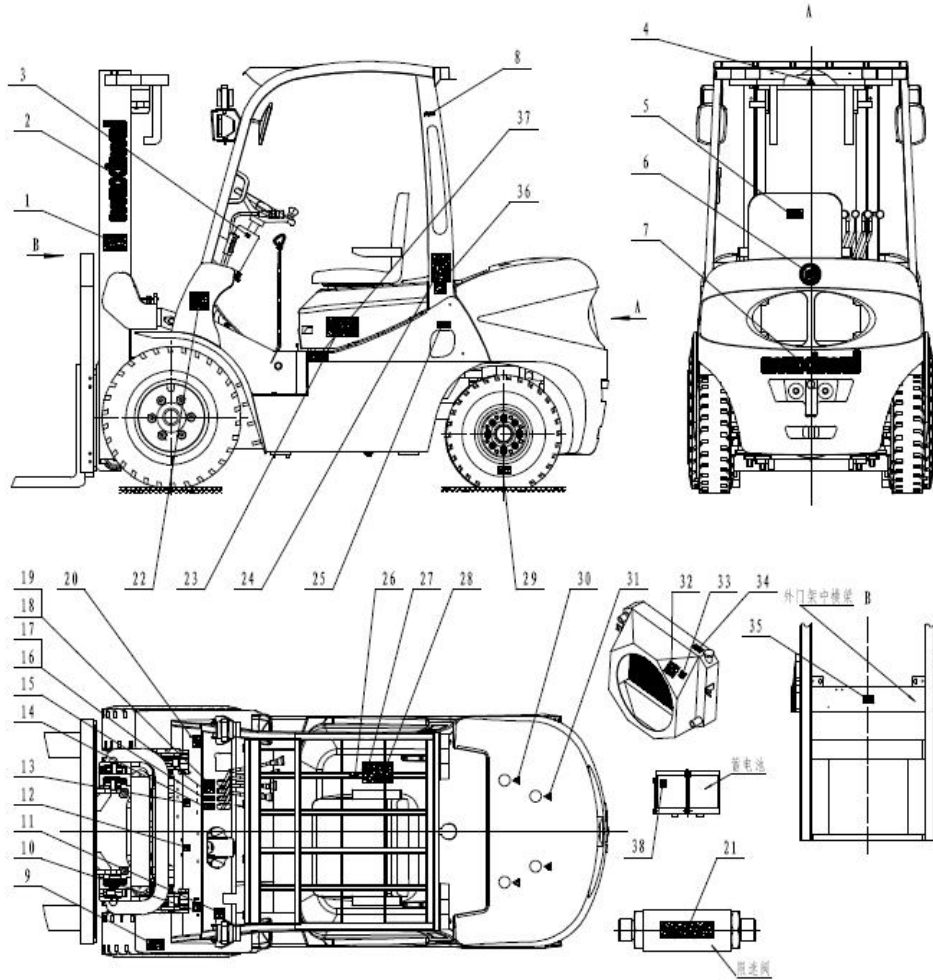
标牌/DECAL

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
A	-	Decal	1	标牌
01	M3039100001	Safety decal	2	安全标识
02	M3039100002	Mast decal	2	门架标识
03	M3039100003	Turning lights decal	1	转向灯标识
04	M3039100004	Sling decal (small)	1	起吊标识 (小)
-	M30391W00022	Sling decal (small)	1	起吊标识 (小)
05	M30391W00021	Brand decal (small)	1	美科斯专用标识 (小)
06	M3039100006	Logo decal	1	司标
07	M3039100007	Brand decal	1	配重标识
08	M3039100008	No flushing decal	1	严禁冲水标识
-	M30391W00001	No flushing decal	1	严禁冲水标识
09	M3039100009	Pressure decal	1	气压指示标识
-	M30391W00012	Pressure decal	1	气压指示标识
10	M30391W00016	CE decal	1	CE认证标识
11	M1039100001-1	Load chart decal	1	载荷曲线标识
-	M10391W00001-1	Load chart decal	1	载荷曲线标识
-	M1539100001-1	Load chart decal	1	载荷曲线标识
-	M15391W00001-1	Load chart decal	1	载荷曲线标识
-	M1839100011-1	Load chart decal	1	载荷曲线标识
-	M18391W00014-1	Load chart decal	1	载荷曲线标识
12	M3039100012	Noise decal	1	噪音标识
-	M30391W00002	Noise decal	1	噪音标识
13	M3039100013	Standing forbidden decal	1	门架后禁止站人标识
-	M30391W00003	Standing forbidden decal	1	门架后禁止站人标识
14	M3039100014	Operation decal (lifting & lowering)	1	操纵指示标识 (升降)

图86/F1G86.

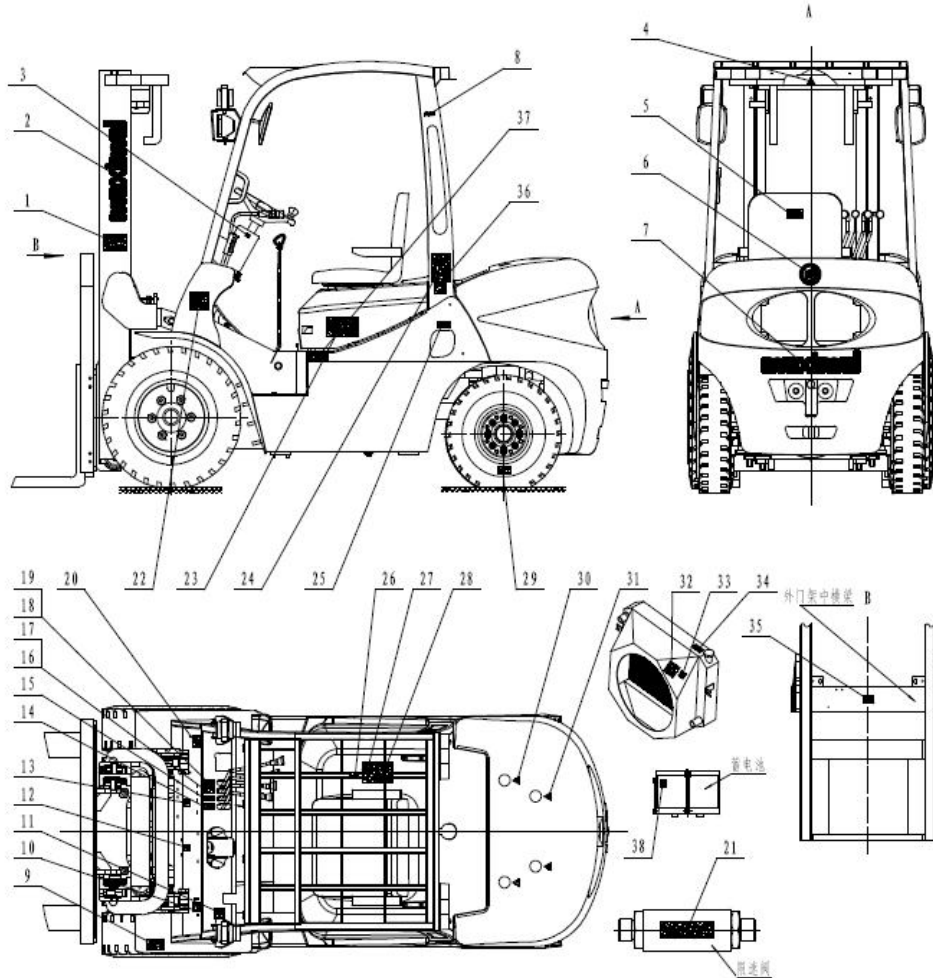
标牌/DECAL

FD10, 15, 18-MGI

FD10, 15, 18-MWA/B/C

FG(L) 10, 15, 18-MWB

FG(L) 10, 15, 18 (T) -MGA



序号 Item No.	代号 Part No.	名称 Description	数量 Q'ty	备注 Remark
15	M3039100015	Operation decal (Tilt)	1	操纵指示标识 (倾斜)
16	M3039100016	Operation decal (Sideshift)	1	操纵指示标识 (侧移)
17	M3039100017	Operation decal (Rotate)	1	操纵指示标识 (旋转)
18	M3039100018	Operation decal (fork position)	1	操纵指示标识 (调距)
19	M3039100019	Operation decal (clamp)	1	操纵指示标识 (夹紧)
20	M3039100020	Name plate	1	铭牌标识
-	M30391W00015	Name plate	1	铭牌标识
-	M30291WN00001	Name plate	1	铭牌标识
-	M30D91WN00001	Name plate	1	铭牌标识
-	M30691WN00001	Name plate	1	铭牌标识
21	M30391W00009	Brand decal (big)	1	美科斯专用标识 (大)
22	M3039100022	Hoisting decal	1	吊装图标识
23	M1039100002	Model decal	2	型号标识
-	M1539100002	Model decal	2	型号标识
-	M1839100005	Model decal	2	型号标识
24	M3039100024	Lubrication chart decal	1	润滑油系统图标识
-	M30391W00004	Lubrication chart decal	1	润滑油系统图标识
25	M2039100003	Fuel decal	1	燃油标识
-	M20391W00002	Fuel decal	1	燃油标识
-	M20291N00001	Fuel decal	1	汽油标识
-	M20291WN00001	Fuel decal	1	汽油标识
26	M30391W00006	Forbidden stand in front of mast decal	1	严禁载人标识
27	M3039100027	Operation instruction decal	1	操纵要领标识
-	M30391W00007	Operation instruction decal	1	操纵要领标识
28	M3039100028	Operation rules decal	1	使用须知标识

