

P A R T S L I S T

零件
目錄

GW 系列船用齿轮箱
GW MARINE GEARBOX



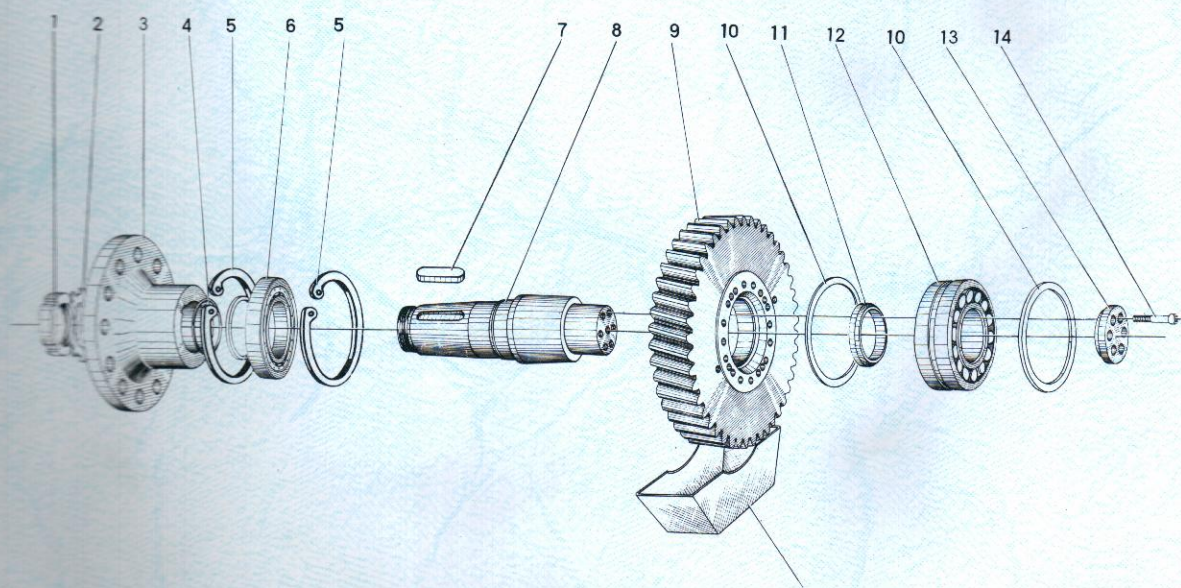
四川齒輪箱廠

SICHUAN GEARBOX
PLANT

I 输入轴 Input shaft

序号	名称	件数
1	圆螺母.....	1
2	圆螺母用止动垫圈.....	1
3	输入法兰.....	1
4	轴用弹性挡圈.....	1
5	孔用弹性挡圈.....	1
6	圆柱滚子轴承.....	1
7	平键.....	1
8	输入轴.....	1
9	输入齿轮.....	1
10	调整环.....	1
11	定位环.....	1
12	球面滚子轴承.....	1
13	圆盘.....	1
14	圆柱头内六角螺钉.....	6

No.	Name of part	Piece
1	Slotled rownd nut.....	1
2	Locating washer for slotted.....	1
	roard nut.....	1
3	Input flange.....	1
4	Circlips for shett.....	1
5	Circlips for bores.....	1
6	Cylondricl roller bearing.....	1
7	Flat key.....	1
8	Input shaft.....	1
9	Input gear.....	1
10	Regulating ring.....	1
11	Set ring.....	1
12	Pouble row spherical roller bearing...	1
13	Disk.....	1
14	Hexagon socket cap head screw.....	6

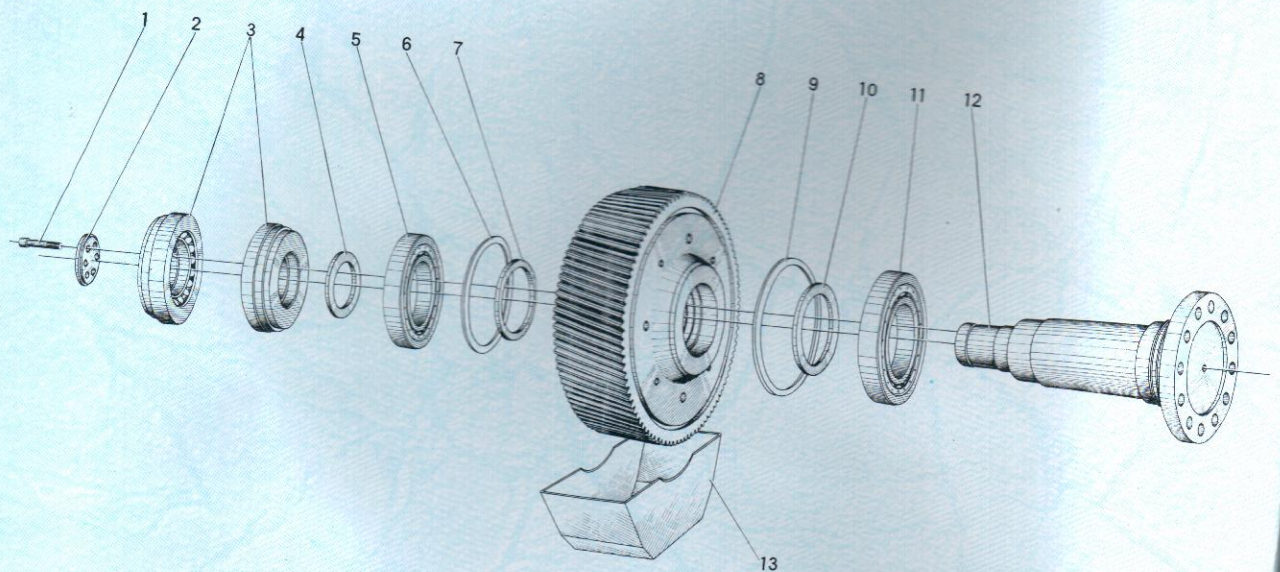


1. 输入轴
Input shaft

2 输出轴 Output shaft

件号	名称	件数
1	圆柱头内六角螺钉.....	6
2	定位圆盘.....	1
3	推力调心滚子轴承.....	2
4	定位环.....	1
5	圆柱滚子轴承.....	1
6	挡圈.....	1
7	定位环.....	1
8	输出齿轮.....	1
9	挡圈.....	1
10	定位环.....	1
11	圆柱滚子轴承.....	1
12	输出轴.....	1
13	油槽.....	1

No.	Name of part	Piece
1	Hexagon socket cap head screw.....	6
2	Setting disk.....	1
3	Self-aligning thrust roller bearing.....	2
4	Set ring.....	1
5	Cylindrical roller bearing.....	1
6	Lock ring.....	1
7	Set ring.....	1
8	Output gear.....	1
9	Lock ring.....	1
10	Set collar.....	1
11	Cylindrical roller bearing.....	1
12	Output shaft.....	1
13	Oil sump.....	1

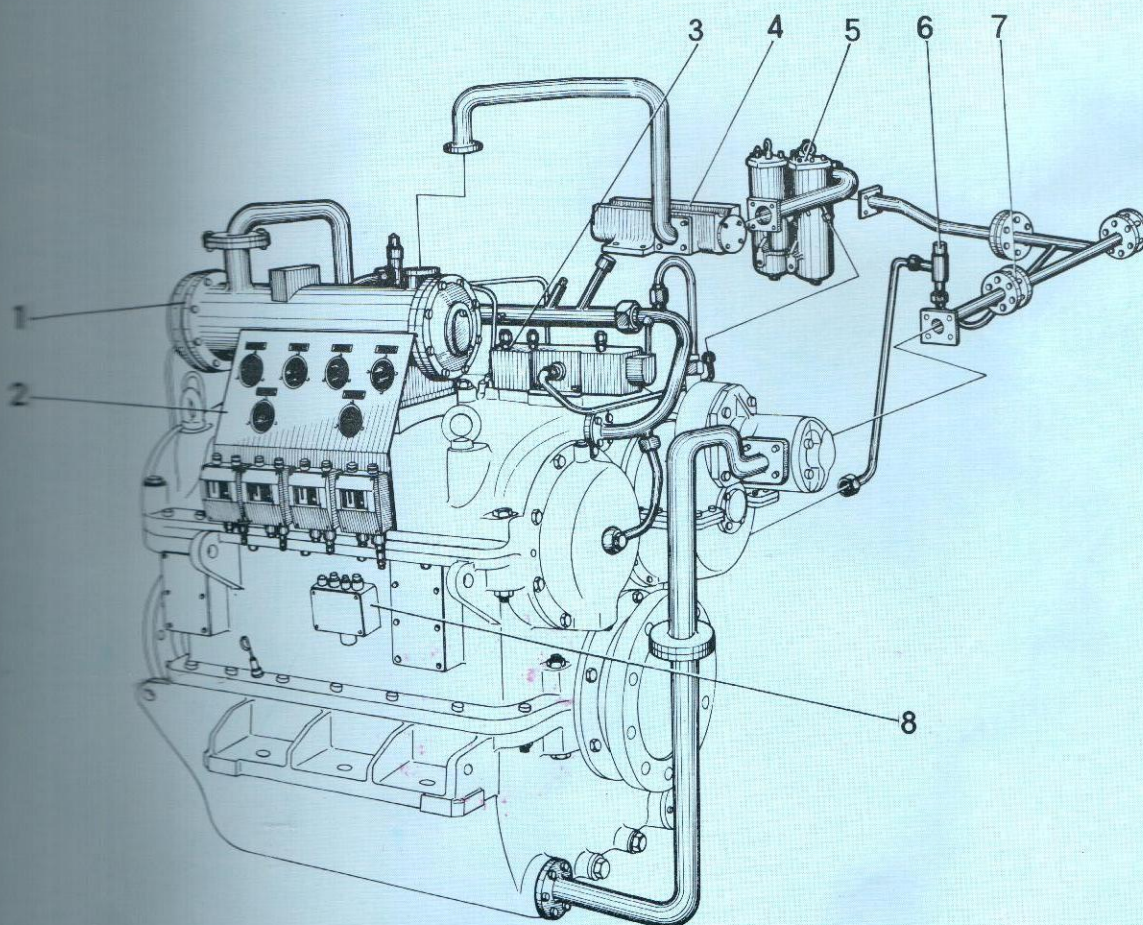


2. 输出轴 Output shaft

3 管系部套 Piping

Piece	名称	件数
6	冷却器	1
1	仪表盘	1
ng... 2	控制阀	1
1	二阶段减压阀	1
1	双联过滤器	1
1	安全阀	1
1	截止式止回阀	2
1	接线盒	1
1		
1		
1		
1		
1		

No.	Name of part	Piece
1	Cooler.....	1
2	Instrument panel.....	1
3	Control valve.....	1
4	2-Stage pressure regulating valve.....	1
5	Twin filter.....	1
6	Safety valve.....	1
7	Non-return valve.....	2
8	Switch box	1



轴
shaft

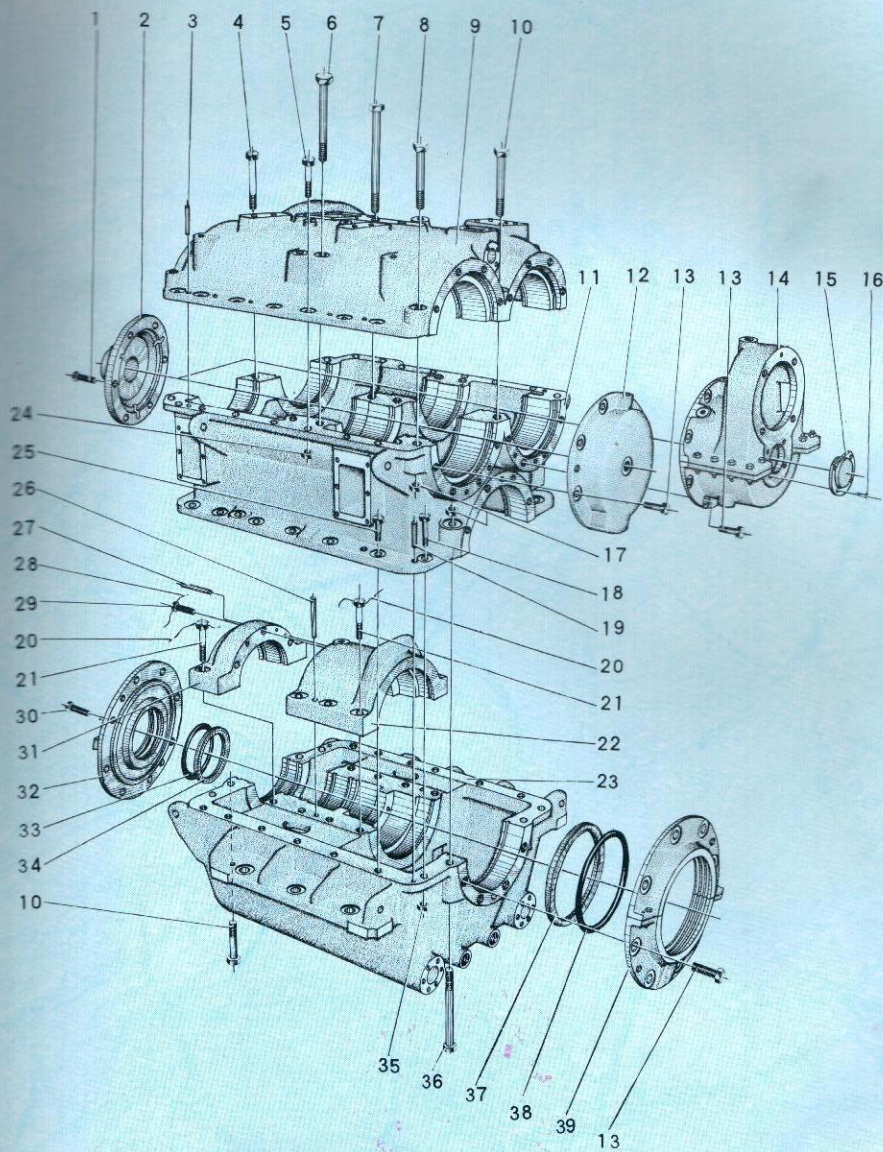
3. 管系部套
Piping

4 箱 体

Gear casing

件号	名称	件数
1	六角头螺栓.....	16
2	供油盘.....	2
3	圆锥销.....	2
4	六角头螺栓.....	1
5	六角头螺栓.....	14
6	六角头螺栓.....	4
7	六角头螺栓.....	2
8	六角头螺栓.....	4
9	壳体(上段).....	1
10	六角头螺栓.....	3
11	壳体(中段).....	1
12	轴承盖.....	1
13	六角头螺栓.....	24
14	油泵壳体.....	1
15	盖板.....	1
16	六角头螺栓.....	4
17	六角螺母.....	6
18	六角头螺栓.....	4
19	圆锥销.....	2
20	镀锌低碳钢丝.....	2
21	六角头头部带孔螺栓.....	8
22	轴承座.....	1
23	壳体(下段).....	1
24	六角螺母.....	4
25	六角头螺栓.....	12
26	内螺纹锥销.....	2
27	螺尾锥销.....	2
28	镀锌低碳钢丝.....	1
29	六角头头部带孔螺栓.....	3
30	六角头螺栓.....	8
31	轴承座.....	1
32	密封盘.....	1
33	O型橡胶密封圈.....	1
34	碳素纤维编织填料.....	1
35	六角螺母.....	4
36	六角头螺栓.....	2
37	碳素纤维编织填料.....	1
38	O型橡胶密封圈.....	1
39	密封盘.....	1

No.	Name of part	Piece
1	Hex-head bolt.....	16
2	Oil supply cover.....	2
3	Taper pin.....	2
4	Hex-head bolt.....	1
5	Hex-head bolt.....	14
6	Hex-head bolt.....	4
7	Hex-head bolt.....	2
8	Hex-head bolt.....	4
9	Casing upper section.....	1
10	Hex-head bolt.....	3
11	Casing intermediate section.....	1
12	Bearing cover.....	1
13	Hex-head bolt.....	24
14	Oil pump housing.....	1
15	Cover plate.....	1
16	Hex-head bolt.....	4
17	Hex-head nut.....	6
18	Hex-head bolt.....	4
19	Tapper pin.....	2
20	Galvanized steel wire.....	2
21	Hex-head bolt with hole at the head..	8
22	Bearing housing.....	1
23	Casing lower section.....	1
24	Hex-head nut.....	4
25	Hex-haed bolt.....	12
26	Taper pin with internal thread.....	2
27	Taper pin with external thread.....	2
28	Galvanized steel wire.....	1
29	Hex-head bolt with holt at the head..	3
30	Hex-head bolt.....	8
31	Bearing housing.....	1
32	Clamping cover plate.....	1
33	O-Seal rubber ring.....	1
34	Carbon-fibre material.....	1
35	Hex-head nut.....	4
36	Hex-head bolt.....	2
37	Carbon-fibre material.....	1
38	O-seal rubber ring.....	1
39	Clamping cover plate.....	1



4. 箱 体
Gear casing

5 带油泵传动的离合器部件

Clutch with oil pump drive

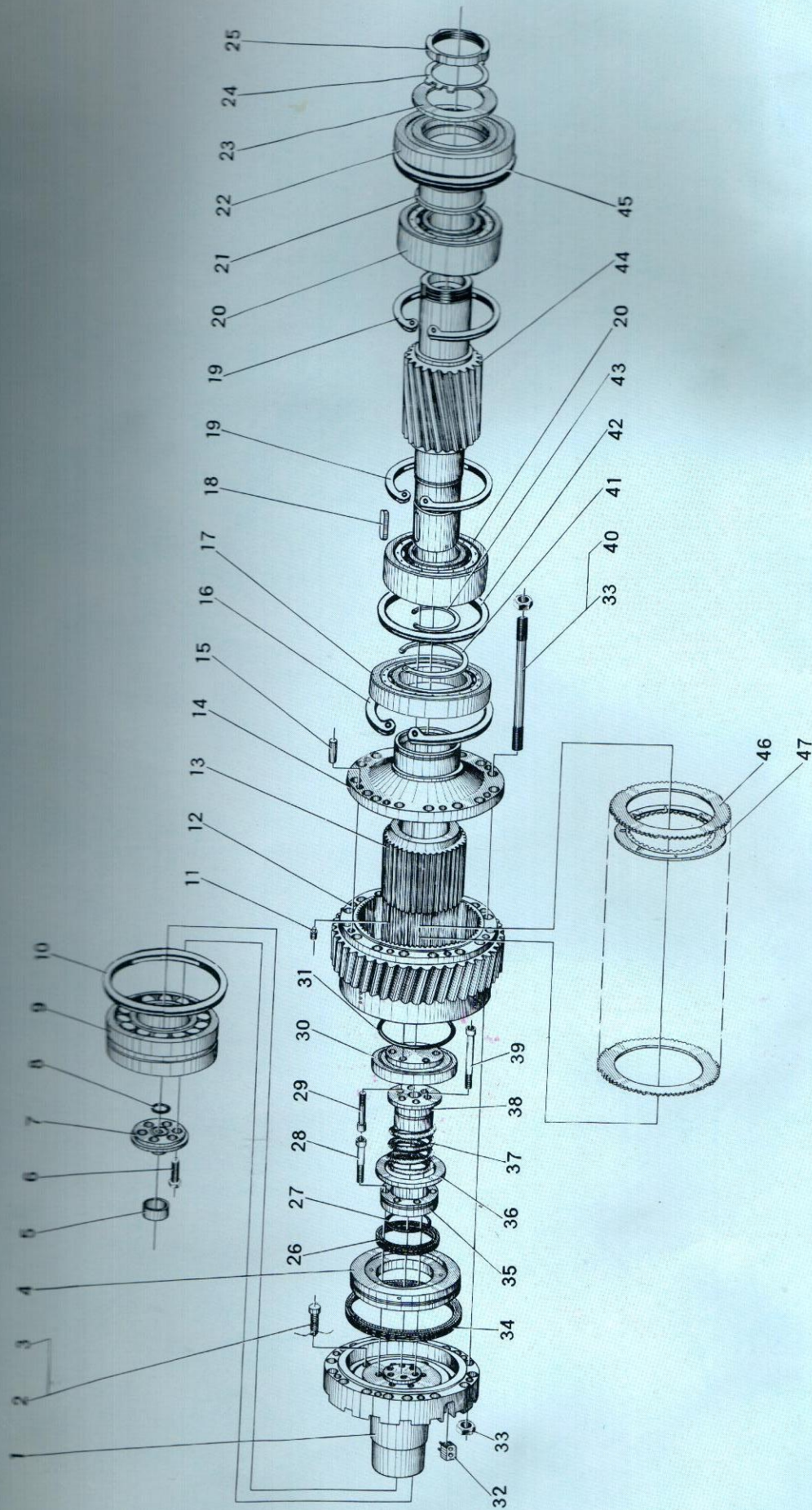
件号	名称	件数
1	铰制螺栓	16
2	进油装置	1
3	六角头螺栓	6
4	导油管法兰	1
5	密封圈	1
6	球面滚子轴承	1
7	调整环	1
8	六角螺母	48
9	离合器齿轮	1
10	平端紧定螺钉	3
11	离合器齿轮(正)	1
12	摩擦片座	1
13	离合器壳体法兰(正)	1
14	圆柱销	2
15	挡圈	1
16	圆柱滚子轴承	1
17	轴用弹性挡圈	1
18	油泵轴	1
19	轴用弹性挡圈	2
20	球面滚子轴承	2
21	锥端紧定螺钉	1
22	油泵传动大齿轮	1
23	油泵传动小齿轮	1
24	X型橡胶密封圈	1
25	密封圈	1
26	导向环	1
27	挡圈	1
28	圆柱头内六角螺钉	6
29	定位环	1
30	轴用弹性挡圈	1
31	圆柱滚子轴承	2
32	键	1
33	离合器速泄阀	2
34	离合器油缸(正)	1
35	X型橡胶密封圈	1
36	离合器活塞	1
37	应急螺栓	4
38	铁丝	1
39	外摩擦片	11
40	内摩擦片	10
41	压缩弹簧	1
42	圆柱头内六角螺钉	6
43	弹簧座	1
44	定位盘	1
45	圆柱头内六角螺钉	6
46	密封圈	1
47	特殊双头螺柱	16
48	齿轮轴	1
49	挡圈	2
50	定位环	1
51	定位环	1
52	向心止推轴承	1
53	定位盘	1
54	止动垫圈	1
55	轴用螺母	1
56	衬套	1
57	挡油环	1

No.	Name of part	Piece
1	Fastening bolt	16
2	Oil filling device	1
3	Hex-head bolt	6
4	Oil delivery pip flange	1
5	Seal ring	1
6	Spherica	1
7	Regulating ring	1
8	Hex-head nut	48
9	Gear of the clutch	1
10	Slotted set screw with flat point	3
11	Gear of the clutch for (AHEAD)	1
12	Friction plate seat	1
13	Flange of the clutch housing (for AHEAD)	1
14	Parallel pin	2
15	Lock ring	1
16	Cylindrical roller bearing	1
17	Circlip for shaft	1
18	Oil pump shaft	1
19	Circlip for shaft	2
20	Spherical roller bearing	2
21	Slotted screw with conepoint	1
22	Driving gear for the oil pump	1
23	Driving gear for the oil pump	1
24	X-type seal rubber ring	1
25	Seal ring	1
26	Guide ring	1
27	Lock ring	1
28	Hexagon socket cap heat screw	6
29	Set ring	1
30	Circlip for shaft	1
31	Cylindrical roller bearing	2
32	Key	1
33	Clutch release valve	2
34	Cylinder of the clutch (for AHEAD)	1
35	X-type seal rubber ring	1
36	Piston of the clutch	1
37	Emergency screw	4
38	Iron wire	1
39	Outer frication plate	11
40	Inner frication plate	10
41	Compression spring	1
42	Hexagon socket cap head screw	6
43	Spring retainer	1
44	Setting disk	1
45	Hexagon socket cap head screw	6
46	Seal ring	1
47	Special stud	16
48	Gear shaft	1
49	Lock ring	1
50	Set ring	1
52	Radial thrust bearing	1
53	Setting disk	1
54	Tab washer with long tab and ring	1
55	Round nut for shaft	1
56	Bush	1
57	Oil retaining ring	1

6 离合器部件 Clutch component

件号	名称	件数
1	离合器油缸(倒).....	1
2	应急螺栓.....	4
3	铁丝.....	1
4	离合器活塞.....	1
5	进油装置.....	1
6	六角头螺栓.....	6
7	导油管法兰.....	1
8	密封圈.....	1
9	球面滚子轴承.....	1
10	调整环.....	1
11	平端紧定螺钉.....	3
12	离合器齿轮(倒).....	1
13	摩擦片座.....	1
14	离合器壳体法兰(倒).....	1
15	圆柱销.....	2
16	挡圈.....	1
17	圆柱滚子轴承.....	1
18	键.....	1
19	挡圈.....	2
20	圆柱滚子轴承.....	2
21	定位环.....	1
22	向心止推轴承.....	1
23	定位盘.....	1
24	止动垫圈.....	1
25	轴用螺母.....	1
26	X型橡胶密封圈.....	1
27	密封圈.....	1
28	圆柱头内六角螺钉.....	6
29	圆柱头内六角螺钉.....	6
30	定位盘.....	1
31	密封圈.....	1
32	离合器速泄阀.....	2
33	六角螺母.....	32
34	X型橡胶密封圈.....	1
35	导向环.....	1
36	挡圈.....	1
37	压缩弹簧.....	1
38	弹簧座.....	1
39	圆柱头内六角螺钉.....	6
40	特殊双头螺栓.....	16
41	轴用弹性挡圈.....	1
42	定位环.....	1
43	轴用弹性挡圈.....	1
44	齿轮轴.....	1
45	定位环.....	1
46	外摩擦片.....	11
47	内摩擦片.....	10

No.	Name of part	Piece
1	Cylinder of the clutch (fof ASTEN).....	1
2	Emergency screw.....	4
3	Iron wire.....	1
4	Piston of the clutch.....	1
5	Oil filling device.....	1
6	Hex-head bolt.....	6
7	Oil delivery pipe flange.....	1
8	Seal ring.....	1
9	Spherical roller bearing.....	1
10	Regulating ring.....	1
11	Slotted set screw with flat point....	3
12	Gear of clutch (for ASTEN).....	1
13	Friction plate seat.....	1
14	Flange of the clutch housing (for AHEAD).....	1
15	Parallel pin.....	2
16	Lock ring.....	1
17	Cylindrical roller bearing.....	1
18	Key.....	1
19	Lock ring.....	2
20	Cylindrical roller bearing.....	2
21	Set ring.....	1
22	Radial thrust bearing.....	1
23	Setting disk.....	1
24	Tab washer with long tab and ring...	1
25	Round nut for shaft.....	1
26	X-type seal rubber ring.....	1
27	Seal ring.....	1
28	Hexagon socket cap head screw.....	6
29	Hexagon socket cap head screw.....	6
30	Setting disk.....	1
31	Seal ring.....	1
32	Clutch release valve.....	2
33	Hex-head nut.....	32
34	X-type seal rubber ring.....	1
35	Guide ring.....	1
36	Lock ring.....	1
37	Compression spring.....	1
38	Spring retainer.....	1
39	Hexagon socket cap head screw.....	6
40	Special stud.....	16
41	Circlip for shaft.....	1
42	Set ring.....	1
43	Circlip for shaft.....	1
44	Gear shaft.....	1
45	Set ring.....	1
46	Outer frication plate.....	11
47	Inner frication plate.....	10

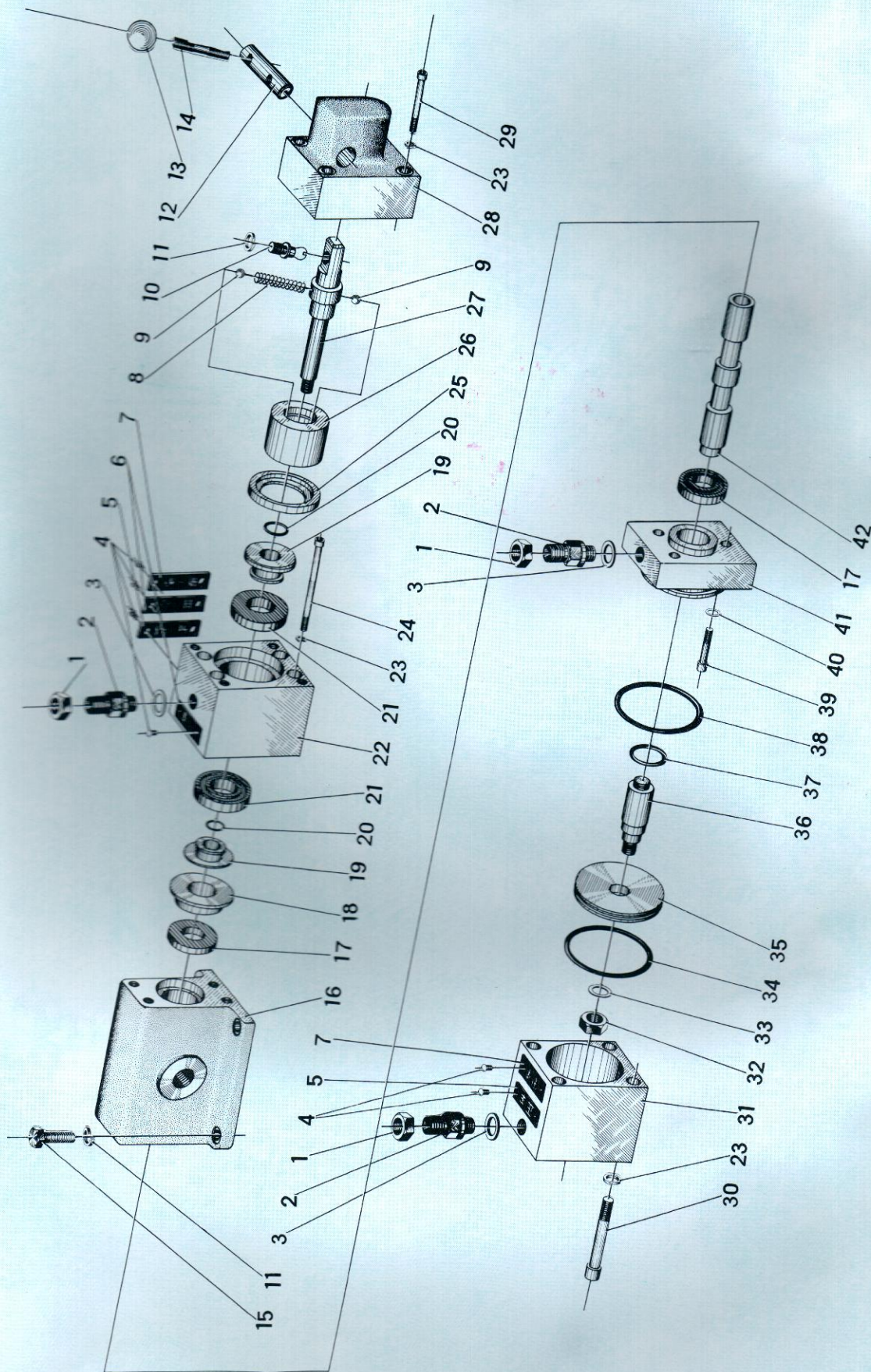


6. 离合器部件
Clutch component

7 操纵阀 Control valve

件号	名称	件数
1	外套螺母.....	3
2	旋入接头.....	3
3	垫圈.....	3
4	标牌铆钉.....	12
5	"正车"标牌.....	2
6	"空车"标牌.....	2
7	"倒车"标牌.....	2
8	定位弹簧.....	1
9	钢球.....	2
10	螺纹销.....	1
11	弹簧垫圈.....	5
12	小轴.....	1
13	黑色塑料球.....	1
14	手柄.....	1
15	螺栓.....	4
16	操纵阀阀体.....	1
17	Y型密封圈.....	2
18	套.....	1
19	限位活塞.....	2
20	O型密封圈.....	2
21	Y型密封圈.....	2
22	返回气缸.....	1
23	弹簧垫圈.....	12
24	圆柱头内六角螺钉.....	4
25	挡圈.....	1
26	定位套.....	1
27	拉杆.....	1
28	手柄座.....	1
29	圆柱头内六角螺钉.....	4
30	圆柱头内六角螺钉.....	4
31	控制气缸.....	1
32	螺母.....	1
33	垫圈.....	1
34	O型密封圈.....	1
35	活塞.....	1
36	联结杆.....	1
37	O型密封圈.....	1
38	O型密封圈.....	1
39	圆柱头内六角螺钉.....	3
40	垫圈.....	3
41	联接板.....	1
42	操纵阀滑阀.....	1

No.	Name of part	Piece
1	Union nut.....	3
2	Nipple.....	3
3	Washer.....	3
4	Rivet for name plate.....	12
5	NHEAD Indicating plate.....	2
6	NEUTRAL Indicating plate.....	2
7	ASTERN Indicating plate.....	2
8	Locating spring.....	1
9	Steel ball.....	2
10	Threaded pin.....	1
11	Spring lock washer.....	5
12	Spindle.....	1
13	Plastic back.....	1
14	Handle.....	1
15	Hex-head bolt.....	4
16	Control valve body.....	1
17	Y-type seal ring.....	2
18	Sleeve.....	1
19	Piston.....	2
20	O-seal ring.....	2
21	Y-type seal ring.....	2
22	Cylinder.....	1
23	Spring lock washer.....	12
24	Hexagon socket cap head screw.....	4
25	Lock ring.....	1
26	Setting sleeve.....	1
27	Pull rod.....	1
28	Handle seat.....	1
29	Hexagon socket cap head screw.....	4
30	Hexagon socket cap head screw.....	4
31	Cylinder.....	1
32	Hex-nut.....	1
33	Copper washer.....	1
34	O-seal ring.....	1
35	Pisiton.....	1
36	Connection rod.....	1
37	O-seal ring.....	1
38	O-seal ring.....	1
39	Hexagon socket cap head screw.....	3
40	Washer.....	3
41	Connection plate.....	1
42	Slide valve of the control valve.....	1

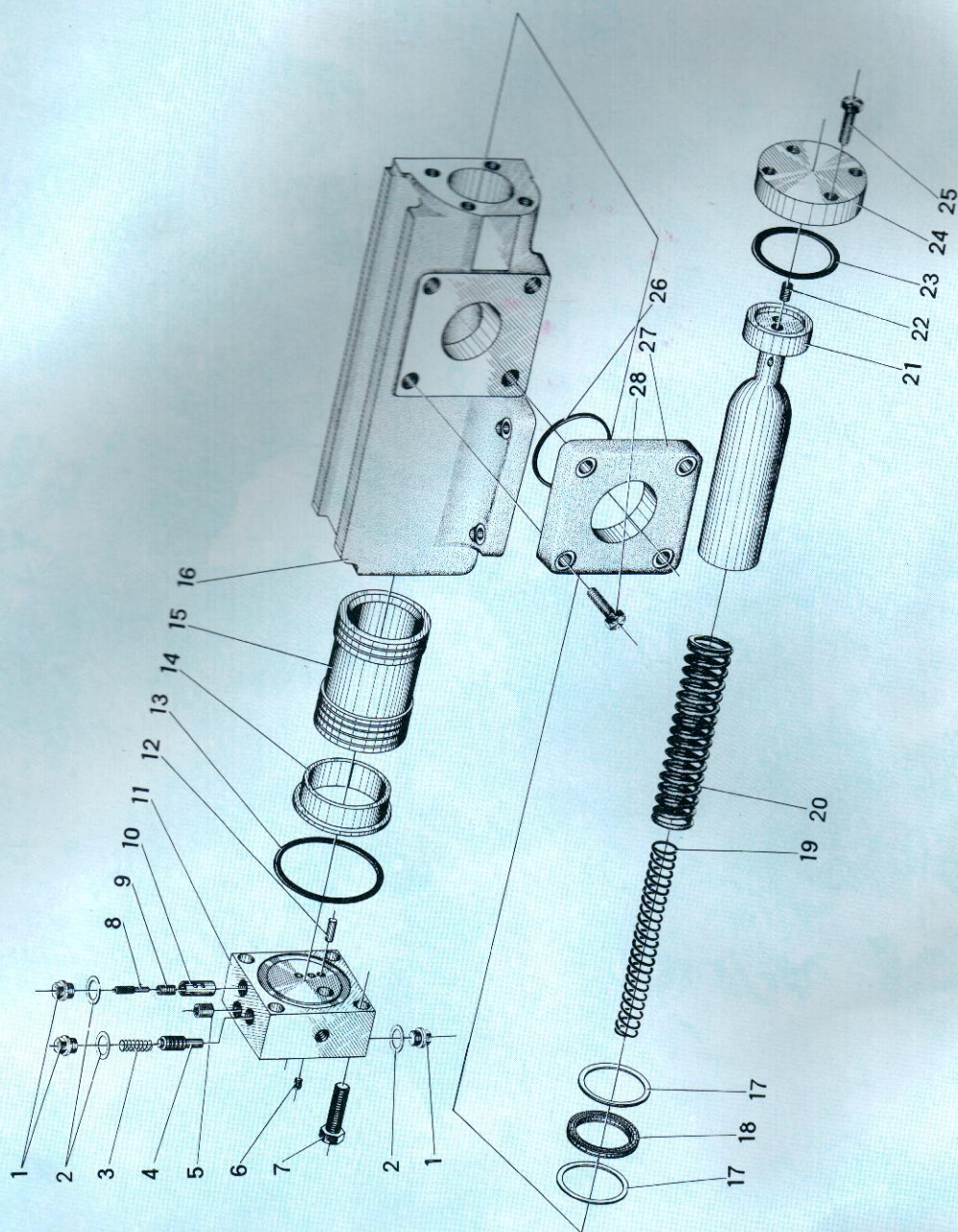


7. 操 纵 阀 (CZ-00, K/B7-82)
Control valve (CZ-00, K/B7-82)

8 二级调压阀 2-Stage pressure regulating valve

件号	名称	件数
1	六角螺塞.....	3
2	密封垫.....	3
3	压缩弹簧.....	1
4	操纵活塞.....	1
5	活 塞.....	1
6	锥端紧定螺钉.....	4
7	六角头螺栓.....	4
8	调节螺杆.....	1
9	螺纹丝套.....	1
10	阀.....	1
11	阀 体.....	1
12	圆 柱 销.....	1
13	O型密封圈.....	1
14	定 位 环.....	1
15	活 塞.....	1
16	阀 体.....	1
17	支 承 环.....	2
18	"Quad" 密封环.....	1
19	圆柱压缩弹簧.....	1
20	圆柱压缩弹簧.....	1
21	活 塞.....	1
22	喷 嘴.....	1
23	O型密封圈.....	1
24	端 盖.....	1
25	六角头螺栓.....	4
26	O型密封圈.....	2
27	法 兰.....	2
28	六角头螺栓.....	8

No.	Name of part	Piece
1	Hex-screw plug.....	3
2	Gasket.....	3
3	Compression spring.....	1
4	Control piston.....	1
5	Piston.....	1
6	Slotted screw with cone point.....	4
7	Hex-head bolt.....	4
8	Adjusting threaded stem.....	1
9	Wire thread insert.....	1
10	Valve.....	1
11	Valve body.....	1
12	Parallel pin.....	1
13	O-seal ring.....	1
14	Set ring.....	1
15	Piston.....	1
16	Valve body.....	1
17	Support ring.....	2
18	QUAD seal ring.....	1
19	Cylindrical compression spring.....	1
20	Cylindrical compression spring.....	1
21	Piston.....	1
22	Nozzle.....	1
23	O-seal ring.....	1
24	Side cover.....	1
25	Hex-head bolt.....	4
26	O-seal ring.....	2
27	Flange.....	2
28	Hex-head bolt.....	8



8. 二级调压阀 (TY-00, K/B26-83)
2-Stage pressure regulating valve (TY-00, K/B26-83)