

# **CHANGCHAI ZN390T ENGINE PARTS MANUAL**

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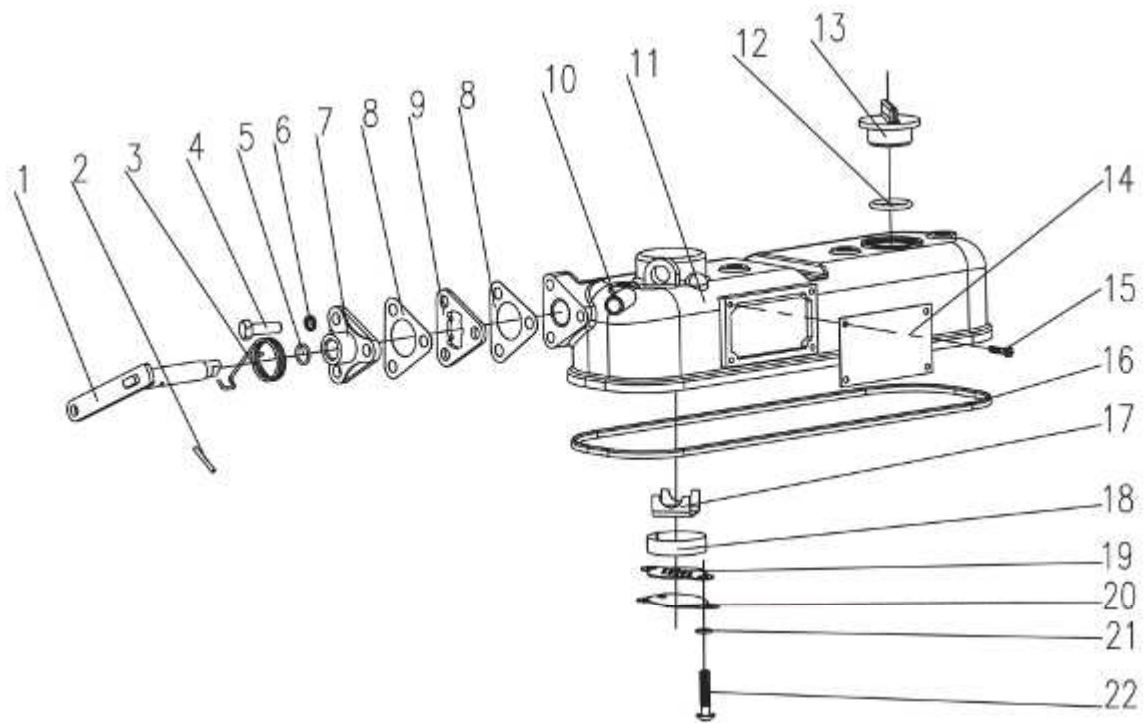


图1 气缸盖罩总成

Fig.1 Cylinder head cover assembly

气缸盖罩总成(图 1)

Cylinder Head Cover Assembly(Fig.1)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	减压摇臂焊件 Decompression lever	N390T-01400	1
2	限位销 Stop pin	90-11005	1
3	扭力弹簧 Torsional spring	N390T-01016	1
4	螺栓 Bolt M8×22	GB/T5781-86	3
5	O 型密封圈 Blot ring 10.6×1.8	GB/T34521-82	1
6	垫圈 Washer 8	GB/T859-87	3
7	减压摇臂轴套 Decompression lever bushing	N390T-01015	1
8	垫片 Gasket	85-11003	2
9	减压器控制板 Decompressor controlling plate	90-11004	1
10	抽气管 Breather tube	N85-01004	1
11	气缸盖罩 Cylinder head cover	N390T-01003	1
12	O 型密封圈 Seal ring 33.5×2.65oil filling cover	GB3452.1-82	1
13	加油口盖 Oil filling cover	N85-01002	1
14	铭牌 Name plate	ZN390T-01009	1
15	螺钉 Bolt M4×6	GB65-85	4
16	气缸盖罩密封圈 Cylinder head cover seal ring	N390T-01001	1
17	挡架 Retainer	N85-01005	1
18	铁丝滤网 Steel wool screen	N85-01008	1
19	多孔挡板 Multi-hole retaining plate	N85-01007	1
20	挡油板 Oil retainer	N85-01006	1
21	垫圈 Washer 6	GB859-87	2
22	螺钉 Screw M6×12	GB823-88	2

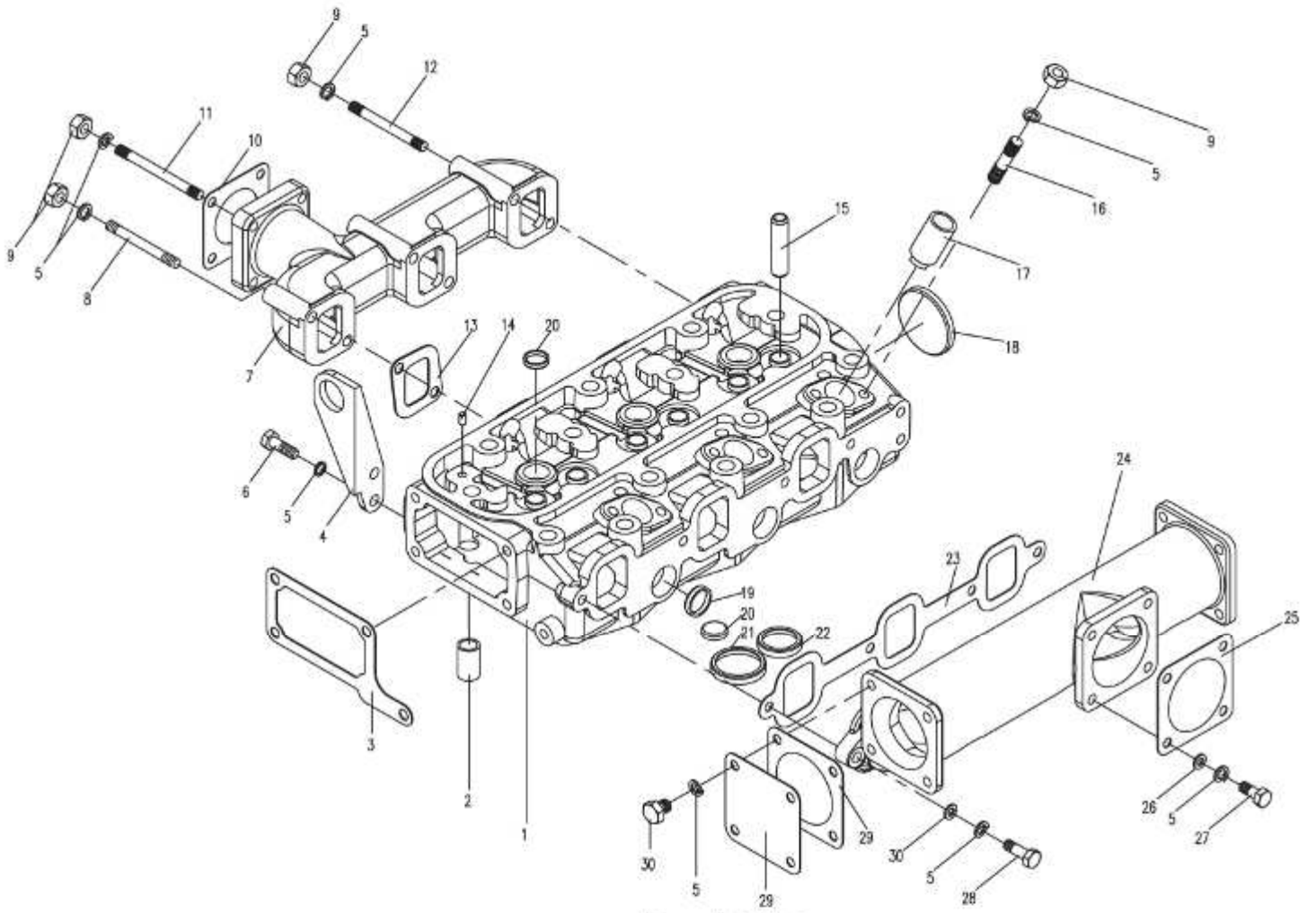


图2 气缸盖总成

Fig.2 Cylinder head assembly

气缸盖总成(图 2)

Cylinder Head Assembly(Fig.2)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	气缸盖 Cylinder head	ZN390T-02108	1
2	套管 Sleeve	N85-02101A	3
3	水泵联接板垫片 Water pump adapter gasket	N485T-08017	1
4	吊耳 Lifting eye	N85-02004	2
5	垫圈 Washer 8	GB859-87	36
6	螺栓 Bolt M8×20	GB5782-86	4
7	排气管 Exhaust manifold	ZN390T-10001	1
8	双头螺柱 Stud M8×60	GB899-88	2
9	螺母 Nut M8	GB6170-86	16
10	垫片 Gasket	N85T-20001	1
11	双头螺柱 Stud M8×85	GB899-88	4
12	双头螺柱 Stud M×75	GB899-88	4
13	排气管垫片 Exhaust manifold gasket	N90-02006	3
14	套管 Sleeve	N485QA-02110	1
15	气门导管 Valve guide	N85-02105	6
16	双头螺柱 Stud M8×55	GB899-88	6
17	喷油器镶套 Injector insert	CZ475Q-021005	3
18	碗形塞 Expansion plug Φ55	N85-02104	1
19	碗形塞 Expansion plug Φ26	N485-02109	3
20	碗形塞 Expansion plug Φ20	N485-02102	6
21	排气门座 Exhust valve seat	N85-02106	3
22	进气门座 Intake valve seat	N85-02107	3
23	进气管垫片 Intake manifold gasket	ZN390T-02005	1
24	进气管 Intake manifold	ZN390T-09001	1
25	垫片 Gasket	N485-09006	3
26	垫圈 Washer 8	GB97.1-85	8
27	螺栓 Bolt M8×20	GB5783-86	4
28	螺栓 Bolt M8×28	GB5782-86	4
29	盖板 Cover	N485-09005	2
30	螺栓 Bolt M8×16	GB5783-86	8

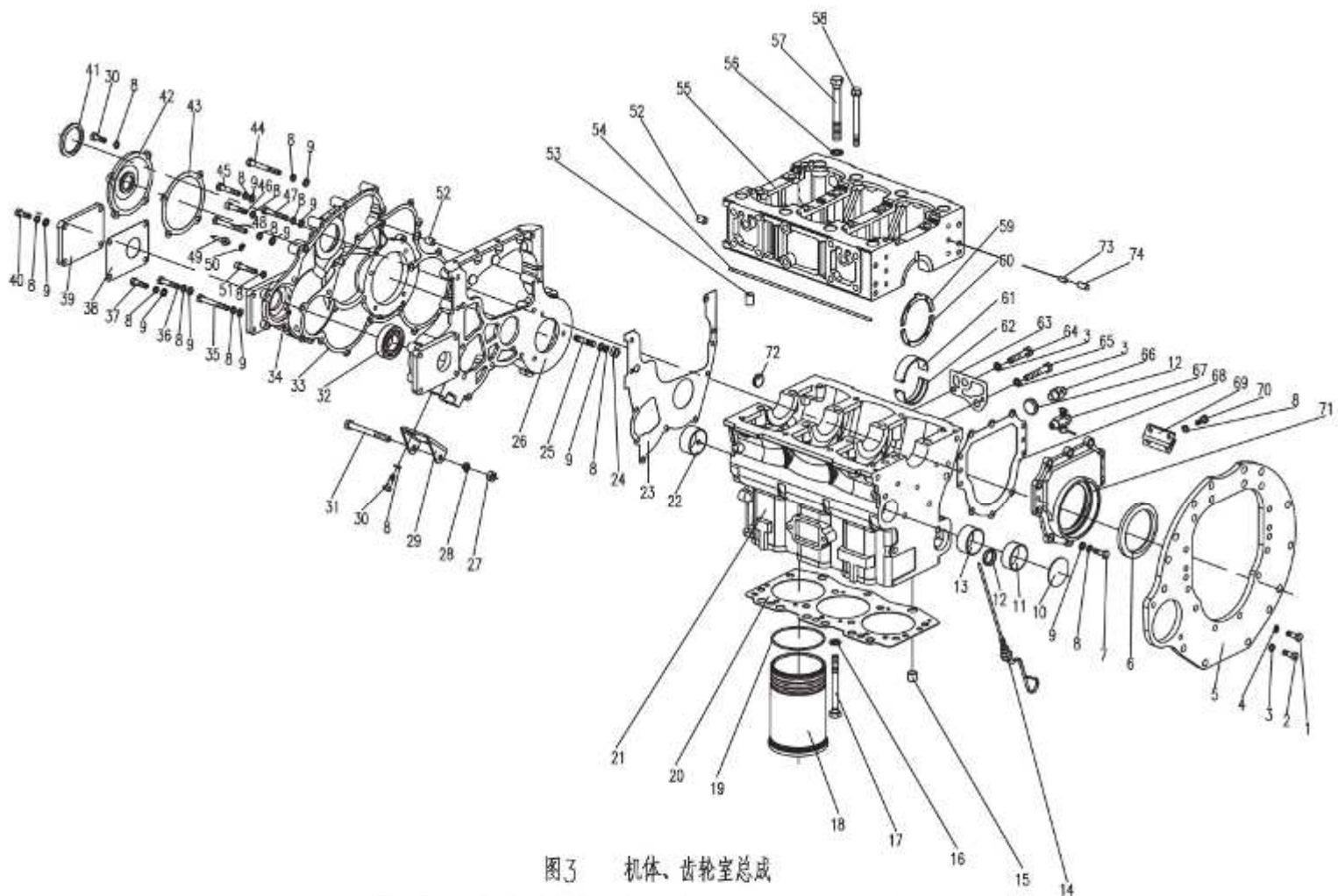


图3 机体、齿轮室总成  
 Fig.3 Cylinder block and gear case assembly

机体、齿轮室总成（图3）

Cylinder Block and Gear Case Assembly(Fig.3)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	螺栓 Bolt M10×25	GB578-86	10
2	螺栓 Bolt M12×25	GB5782-86	2
3	垫圈 Washer 12	GB859-87	2
4	垫圈 Washer 10	GB859-87	12
5	飞轮壳 Flywheel housing	N485T-03012	1
6	油封 Oil seal DL85×110×12	HG4-692-67	1
7	螺栓 Bolt M8×25	GB5783-86	7
8	垫圈 Washer 8	GB859-87	46
9	垫圈 Washer 8	GB848-85	42
10	塞片 Expansion plug	N85-03108	1
11	凸轮轴后衬套 Camshaft rear bushing	N85-03109	1
12	碗形塞 Expansion plug S30	N85-03102	4
13	凸轮轴中间衬套 Camshaft middle bushing	N85-03112	1
14	机油尺部件 Oil dipstick	N85T-03300	1
15	气缸盖定位套 Cylinder head locating sleeve	N85-03017	2
16	气缸盖螺栓垫圈 Cylinder head bolt washer	N85-03014	14
17	气缸盖螺栓 Cylinder head bolt	N85-03015	14
18	气缸套 Cylinder liner	N90-03003	3
19	封水圈 Water seal ring	N90-03002	6
20	气缸盖垫片 Cylinder head gasket	ZN390T-03013	1
21	机体 Cylinder block	N390T-03101	1
22	凸轮轴衬套 Camshaft bushing	N85-03103	1
23	齿轮室垫片 Gear case gasket	N85-12001	1
24	螺母 Nut M8	GB6170-86	3
25	螺栓 Bolt M8×35	GB899-88	3
26	齿轮室 Gear case	N85T-12002	1
27	螺母 Nut M10	GB6170-86	1
28	垫圈 Washer 10	GB93-87	1
29	发电机支架 Generator bracket	N85T-12007	1
30	螺栓 Bolt M8×20	GB5782-86	6
31	螺栓 Bolt M10×90	GB5782-86	1
32	轴承 Bearing 107	GB276-82	2
33	齿轮室盖垫片 Gear case cover gasket	N85T-12003	1
34	齿轮室盖 Gear case cover	N85T-12004	1
35	螺栓 Bolt M8×65	GB5782-86	3
36	螺栓 Bolt M8×40	GB5782-86	1
37	螺栓 Bolt M8×30	GB5782-86	2
38	液压泵盖垫片 Hydraulic pump cover gasket	N85T-12010	2
39	液压泵盖 Hydraulic pump cover	N85T-12009	2
40	螺栓 Bolt M8×25	GB5782-86	11
41	油封 Oil seal DR52×72×12	HG4-692-67	1



42	齿轮室前盖 Gear case front cover	N485T-12005	1
43	液压泵盖 Gear case front cover gasket	N485T-12006	1
44	螺栓 Bolt M8×80	GB5782-86	1
45	螺栓 Bolt M8×45	GB5782-86	3
46	内六角圆柱头螺钉 Inner hexagon cylindrical bolt M8×55	GB70-85	1
47	螺栓 Bolt M8×50	GB5782-86	2
48	螺栓 Bolt M8×75	GB5782-86	1
49	上止点指针 T.D.C. pointer	N85T-12008	1
50	垫圈 Washer 6	GB859-87	1
51	内六角圆柱头螺钉 Inner hexagon cylindrical bolt M8×20	GB70-85	3
52	齿轮室定位套 Gear case locating sleeve	N85-03001	3
53	定位销 Dowel pin	N85T-03110	2
54	O形密封条 O-ring seal rod	N485T-03020	2
55	整体主轴盖 Monolithic main shaft cover	N390T-03115	1
56	主轴承盖螺栓垫圈 Main shaft cover bolt washer	N85-03105	8
57	主轴承盖螺栓 Main shaft cover bolt	N85T-03107	8
58	床板螺栓 Main bearing cap bolt	N85T-03108	8
59	曲轴止推片(下)Crankshaft thrust plate(lower)	N85-03007	2
60	曲轴止推片(上)Crankshaft thrust plate(upper)	N85-03009	2
61	主轴瓦(下)Main bearing shell(lower)	N85-03006	4
62	主轴瓦(上)Main bearing shell(upper)	N85-03008	4
63	机油滤清器垫片 Lubricating oil filter gasket	N85T-03020	1
64	螺栓 Bolt M10×35	GB5782-86	1
65	螺栓 Bolt M10×70	GB5782-86	1
66	机油压力传感器 Oil pressure sensor	N85-03004	1
67	放水阀部件 Water draining cock	N85-03200	1
68	后油封盖垫片 Rear oil seal cover gasket	N85T-03005	1
69	柴油滤清器支架 Fuel filter support	N390T-03024	1
70	螺栓 Bolt M8×20	GB5783-86	4
71	后油封盖 Rear oil seal cover	N85T-03010	1
72	堵塞 Blocking plug	N85-03111	4
73	销 Pin B8×16	GB119-86	2
74	销 Pin B10×22	GB119-86	2

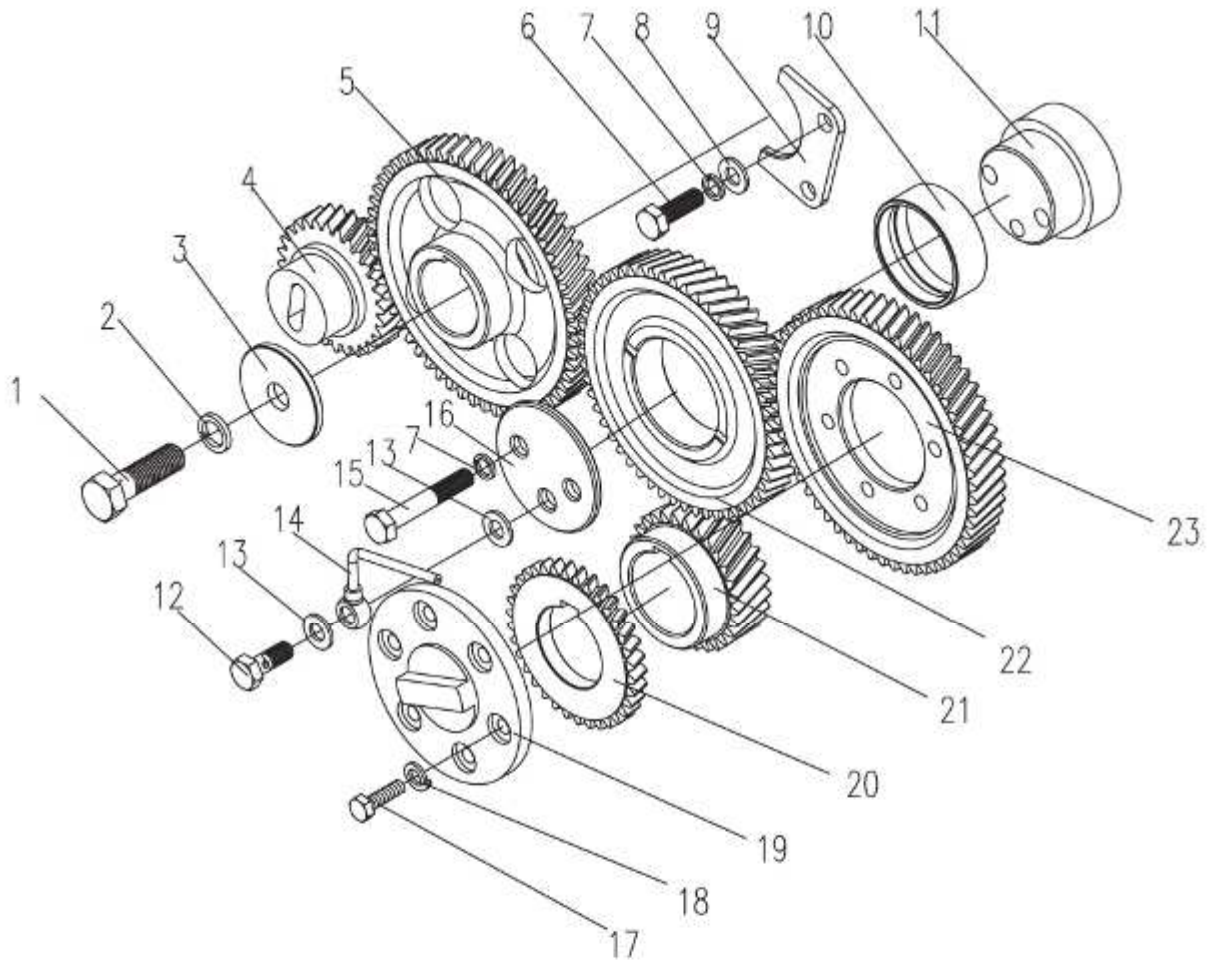


图4 正时齿轮系总成  
Fig.4 Timing gear train

## 正时齿轮系总成(图 4)

## Timing Gear Train(Fig.4)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	螺栓 Bolt M12×30	GB5782-86	1
2	垫圈 Washer 12	GB859-87	1
3	凸轮轴正时齿轮压板 Camshaft timing gear retainer	N85-04009	1
4	液压泵齿轮 Hydraulic pump gear	N85T-04011A	1
5	凸轮轴正时齿轮 Camshaft timing gear	N85T-04007	1
6	螺栓 Bolt M8×16	GB5782-86	2
7	垫圈 Washer 8	GB859-87	4
8	垫圈 Washer 8	GB97.1-85	2
9	凸轮轴压板 Camshaft retainer	N85-04008	1
10	正时惰齿轮衬套 Timing idle gear bushing	N85-04002	1
11	正时惰齿轮轴 Timing idle gear shaft	N85T-04004	1
12	空心螺栓 Hollow bolt	N85T-04012	1
13	垫圈 Washer	195-09001-1	2
14	喷油管部件 Oil pipe	N85T-04100	1
15	螺栓 Bolt M8×50	GB5782-86	2
16	正时惰齿轮压板 Timing idle gear retainer	N85T-04003	1
17	螺栓 Bolt M6 <sup>^</sup> 25	GB5783-86	6
18	垫圈 Washer 6	GB859-87	6
19	联接盘 Adapter	N485T-32001A	1
20	机油泵主动齿轮 Lubricating oil pump driving gear	N85-04001	1
21	曲轴正时齿轮 Crankshaft timing gear	N85-04006	1
22	正时惰齿轮 Timing idle gear	N85-04005	1
23	燃油泵正时齿轮 Injection pump timing gear	N485T-04001	1

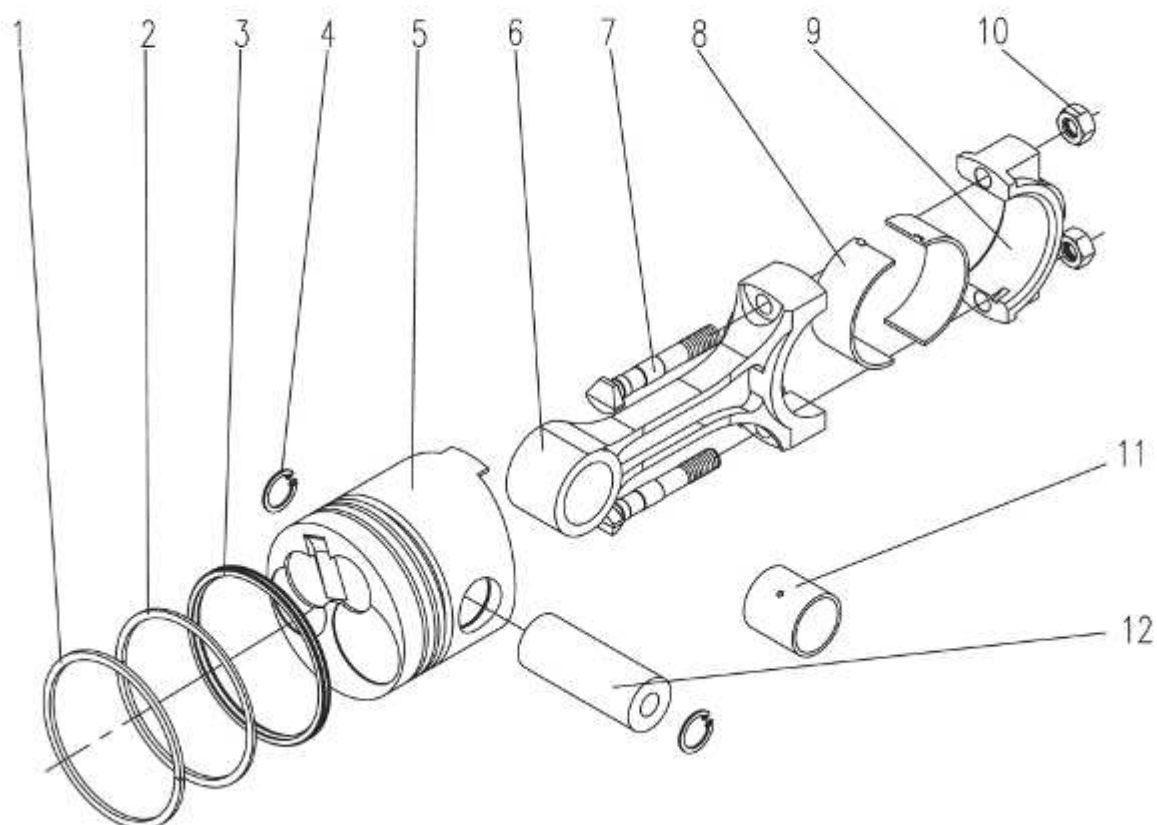


图5 活塞、连杆总成

Fig.5 Piston and connecting rod assembly

活塞、连杆总成（图5）

**Piston and Connecting Rod Assembly(Fig.5)**

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	第一道活塞环 1st piston ring	ZN90QA-05002	3
2	第二道活塞环 2nd piston ring	N90-05003	3
3	油环部件 Oil ring	N90-05100	3
4	挡圈 Circlip 28	GB8932-86	6
5	活塞 Piston	ZN90QA-05001	3
6	连杆 Connecting rod	N85-03201	3
7	连杆螺栓 Connecting rod bolt	N85-05203	6
8	连杆轴瓦 Connecting rod bearing shell	ZN85QA-05005	6
9	连杆盖 Connecting rod cap	N85-05204	3
10	连杆螺母 Connecting rod nut	N85-05205	6
11	连杆衬套 Connecting rod bushing	N85-05202	3
12	活塞销 Piston pin	N85-05004	3

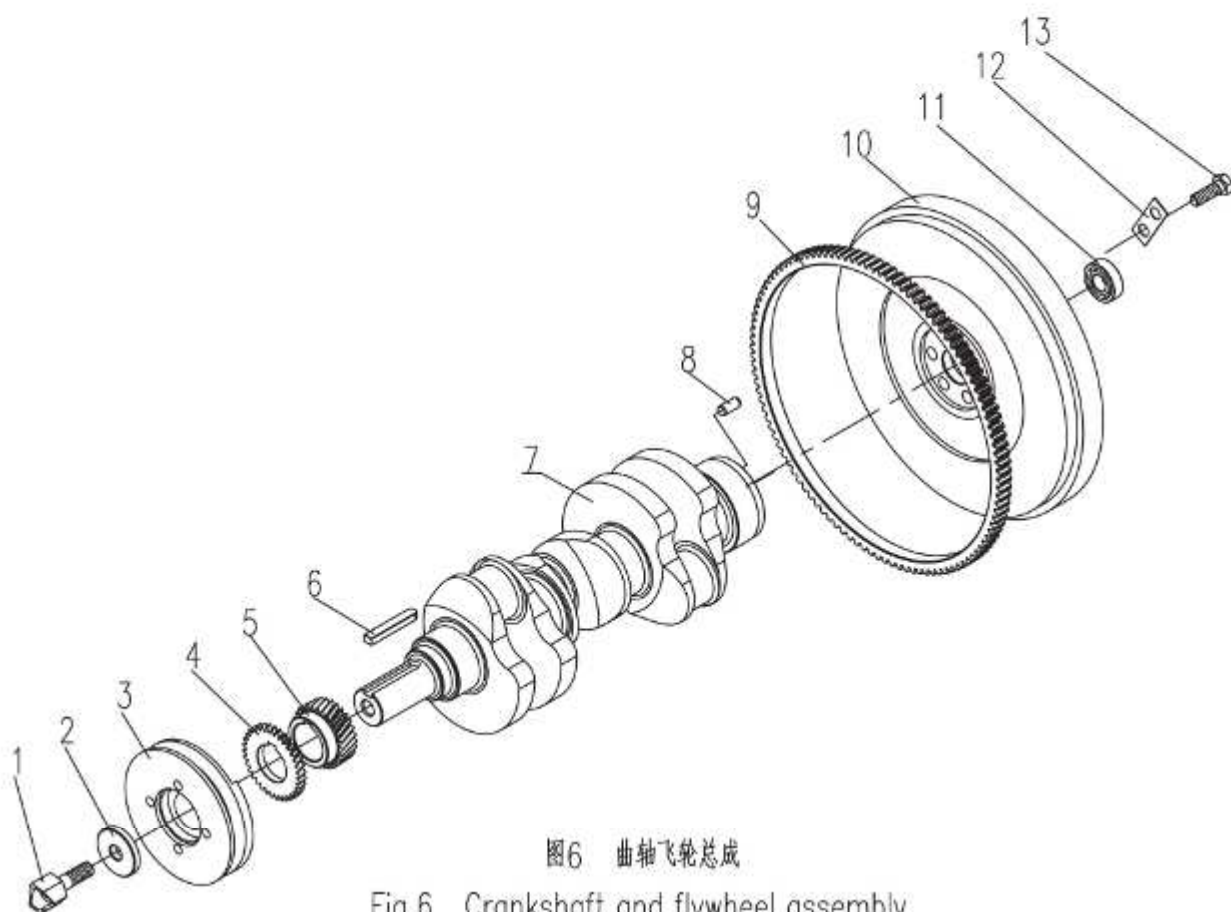


图6 曲轴飞轮总成

Fig.6 Crankshaft and flywheel assembly

曲轴、飞轮总成（图6）

Crankshaft and Flywheel Assembly(Fig.6)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	起动爪 Staring jaw	N85-06003	1
2	起动爪垫圈 Staring jaw washer	N85T-06002	1
3	曲轴皮带轮 Crankshaft pulley	N390T-06001	1
4	机油泵主动齿轮 Lubricating oil pump driving gear	N85-04010	1
5	曲轴正时齿轮 Crankshaft timing gear	N85-04006	1
6	键 Key C10×63	GB1096-79	1
7	曲轴 Crankshaft	N385-06004	1
8	销 Cylindrical pin B10×20	GB119-86	1
9	飞轮齿圈 Flywheel ring gear	N485-06102	1
10	飞轮 Flywheel	N90T-06101	1
11	滚动轴承 Ball bearing 104	GB276-64	1
12	飞轮螺栓垫片 Flywheel blot washer	N85-06005	3
13	飞轮螺栓 Flywheel blot	N85-06006	6

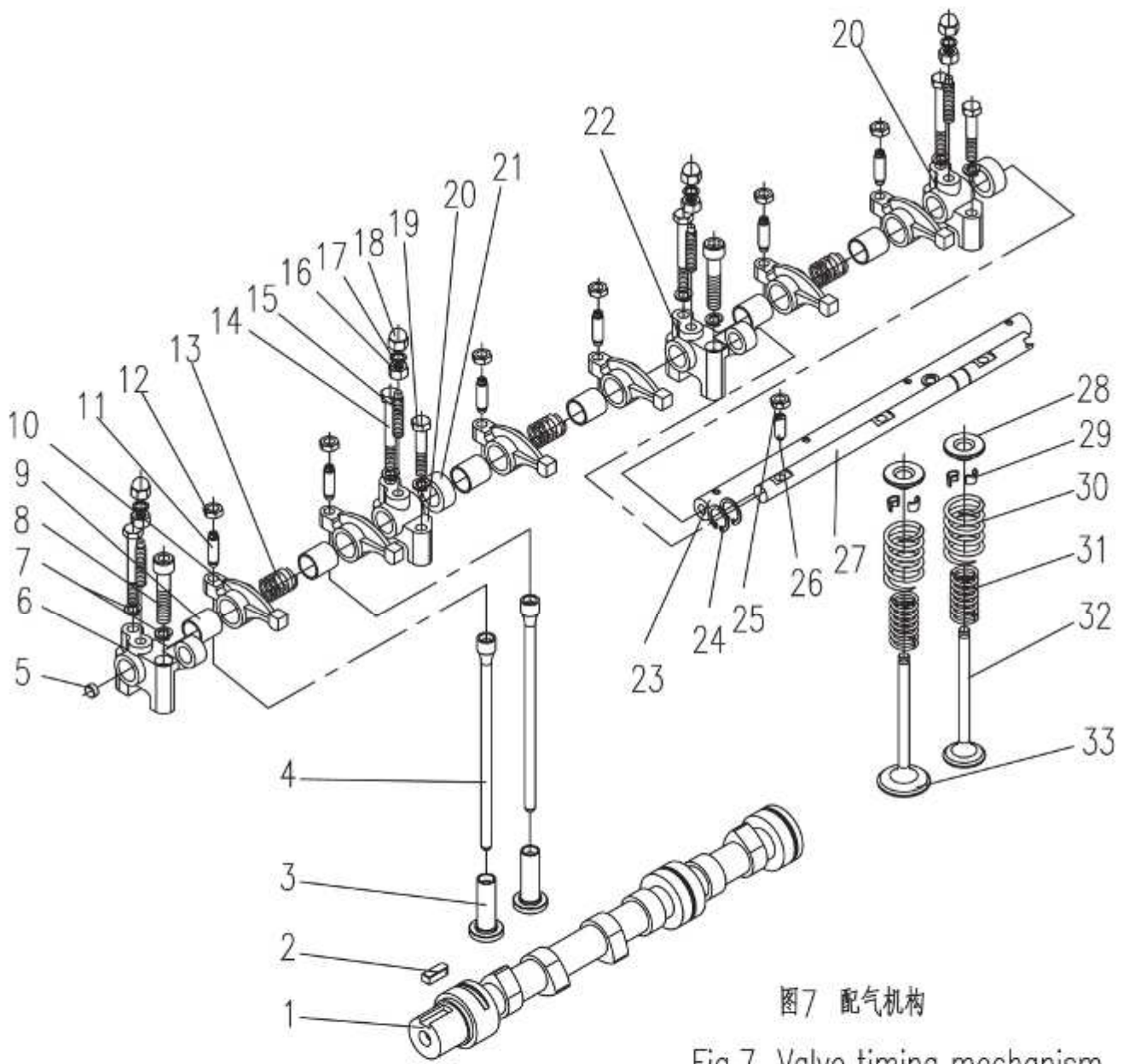


图7 配气机构

Fig.7 Valve timing mechanism

## 配气机构(图 7)

## Valve Timing Mechanism(Fig.7)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	凸轮轴 Camshaft	N385-07001	1
2	平键 Flat key C10×25	GB1096-79	1
3	气门挺柱 Valve tappet	N85-07003	6
4	气门推杆 Valve push rod	N85-07002	6
5	堵塞 Blocking plug	N85-02208	2
6	前摇臂座 Front rocker arm support	N390T-02201	1
7	垫圈 Washer 8	GB859-87	6
8	螺钉 Screw M8×45	GB70-85	3
9	气门摇臂衬套 Valve rocker arm bushing	N85-02212	6
10	气门摇臂 Valve rocker arm	N85-02211	6
11	气门间隙调整螺钉 Valve clearance adjusting screw	N85-02202	6
12	气门间隙调整螺母 Valve clearance adjusting nut	N85-02203	6
13	气门摇臂弹簧 Valve rocker arm spring	N85-02205	3
14	螺栓 Bolt M8×60	GB5782-86	4
15	螺钉 Screw M8×50	GB79-85	4
16	螺母 Nut M8	GB6170-86	4
17	垫圈 Washer 8	GB97.1-85	4
18	螺母 Nut M8	GB923-88	4
19	螺栓 Bolt M8×45	GB5782-86	2
20	摇臂座 Rocker arm support	N85-02204	2
21	轴套 Rocker arm shaft bushing	N85-02206	2
22	摇臂座 Rocker arm support	N390T-02204	1
23	摇臂轴 Rocker arm shaft	N385-02207	1
24	挡圈 Circlip 14	GB894.1-86	2
25	螺母 Nut M8×1	GB6172-88	3
26	减压调整螺钉 Decompression adjusting screw	N390T-01010	3
27	减压轴 Decompression shaft	N390T-01013	1
28	气门弹簧上座 Valve spring seat(upper)	N85-02001(1)	6
29	气门锁夹 Valve collet	N85-02002	12
30	气门外弹簧 Valve outer spring	N85-02003(1)	6
31	气门内弹簧 Valve inner spring	N85-02003(2)	6
32	排气门 Exhaust valve	N90-02007	3
33	进气门 Intake valve	N90-02008	3

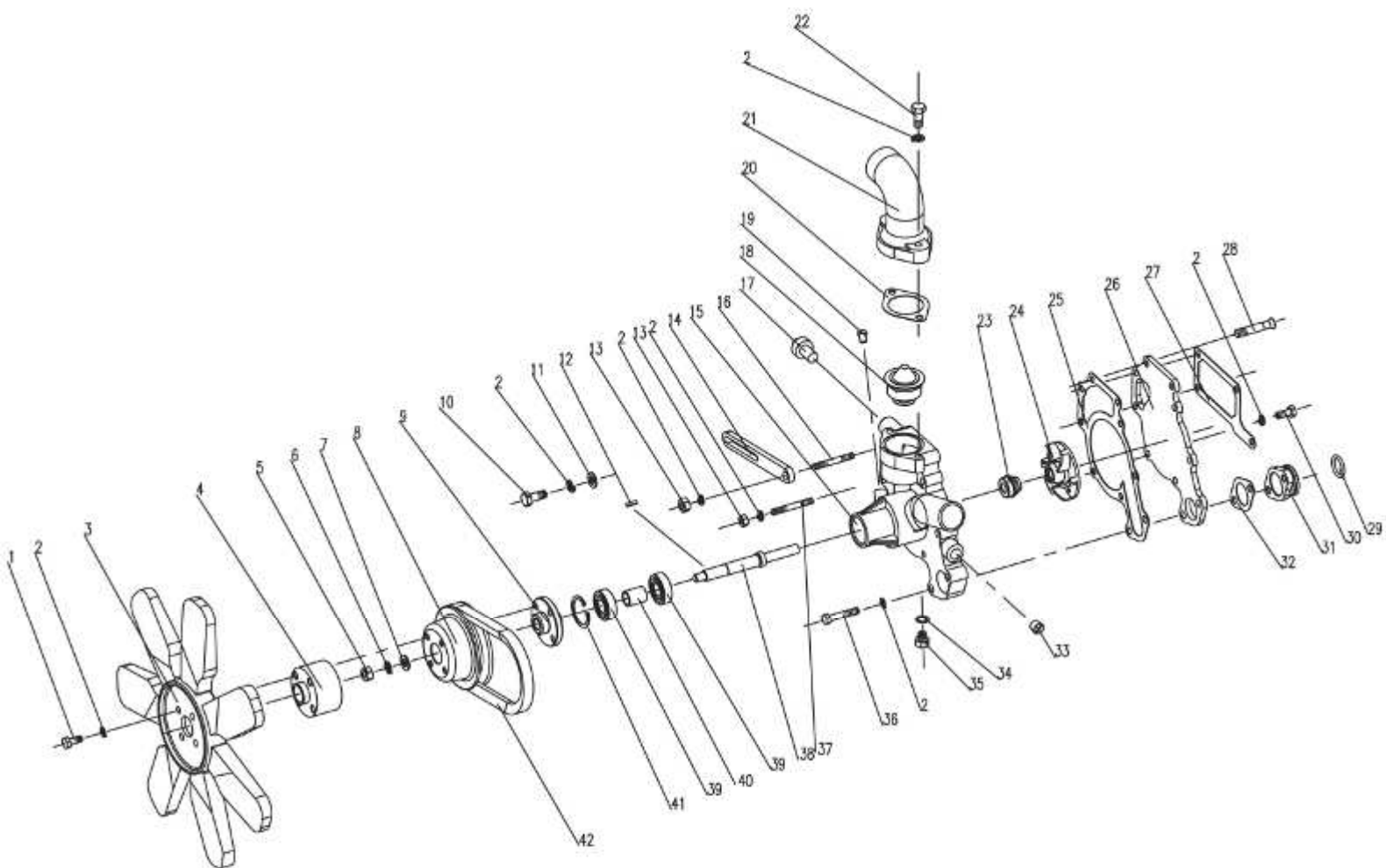


图8 水泵风扇总成

Fig.8 Water Pump and Fan Assembly



## 水泵、风扇总成(图 8)

Water Pump and Fan Assembly(Fig.8)

序号 Ref.No.	名称 Name of parts	零、部件号 Pare No.	数量 Quantity
1	螺栓 Bolt M8×60	GB5783-86	4
2	垫圈 Washer 8	GB859-87	15
3	冷却风扇 Cooling fan	N485-08001	1
4	风扇垫块 Fan pad	N390T-08019	1
5	螺母 Nut M10	GB6170-86	1
6	垫圈 Washer 10	GB859-87	1
7	垫圈 Washer 10	GB97.1-85	1
8	水泵皮带轮 Water pump pulley	N85Q-08011(1)	1
9	水泵皮带轮壳 Water pump pulley housing	N485T-08012	1
10	螺栓 Bolt M8×25	GB5783-86	1
11	垫圈 Washer 8	GB97.1-85	1
12	键 Key 4×36	GB1099-79	1
13	螺母 Nut M8	GB6170-86	4
14	撑杆 Bracing	N85T-08018	1
15	水泵壳体 Water pump housing	N85T-08004	1
16	螺柱 Stud M8×50	GB898-76	1
17	水温传感器 Water temperature sensor model 306		1
18	节温器 Thermostat (Model 155B)	N85Q-17003	1
19	油杯 Oil cup M8×1	GB1152-79	1
20	节温器壳垫片 Thermostat housing gasket	N85T-08008	1
21	节温器壳 Thermostat housing	N85T-08007	1
22	螺栓 Bolt M8×30	GB5783-86	2
23	水封 Water seal ring IF-12	N85T-08003	1
24	水泵叶轮 Water pump impeller	N85T-08005	1
25	水泵垫片 Water pump gasket	N85T-08009	1
26	水泵连接板 Water pump adapter	N85T-08010	1
27	水泵连接板垫片 Water pump adapter gasket	N85T-08017	1
28	螺钉 Screw M8×16	GB68-86	2
29	O 型密封圈 Seal ring 40×3.1	GB1235-76	1
30	螺栓 Bolt M8×20	GB5783-86	2
31	出水接头 Water drain connector	N85T-08013	1
32	出水接头垫片 Water drain connector gasket	N85T-08014	1
33	螺塞 Plug	N85T-08016	1
34	垫圈 Washer 12	GB3541-83	1
35	放水螺栓 Water drain screw	N85T-08015	1
36	螺栓 Bolt M8×45	GB5780-86	2
37	螺柱 Stud M8×45	GB898-76	3
38	水泵轴 Water pump shaft	N85T-08006	1
39	滚动轴承 Ball bearing 602020	GB278-82	2
40	轴承隔套 Bearing spacing sleeve	N85T-08002	1
41	挡圈 Circlip 35	GB93.2-85	1
42	风扇带 Fan belt 13×8×1060	HG4-401-66	1

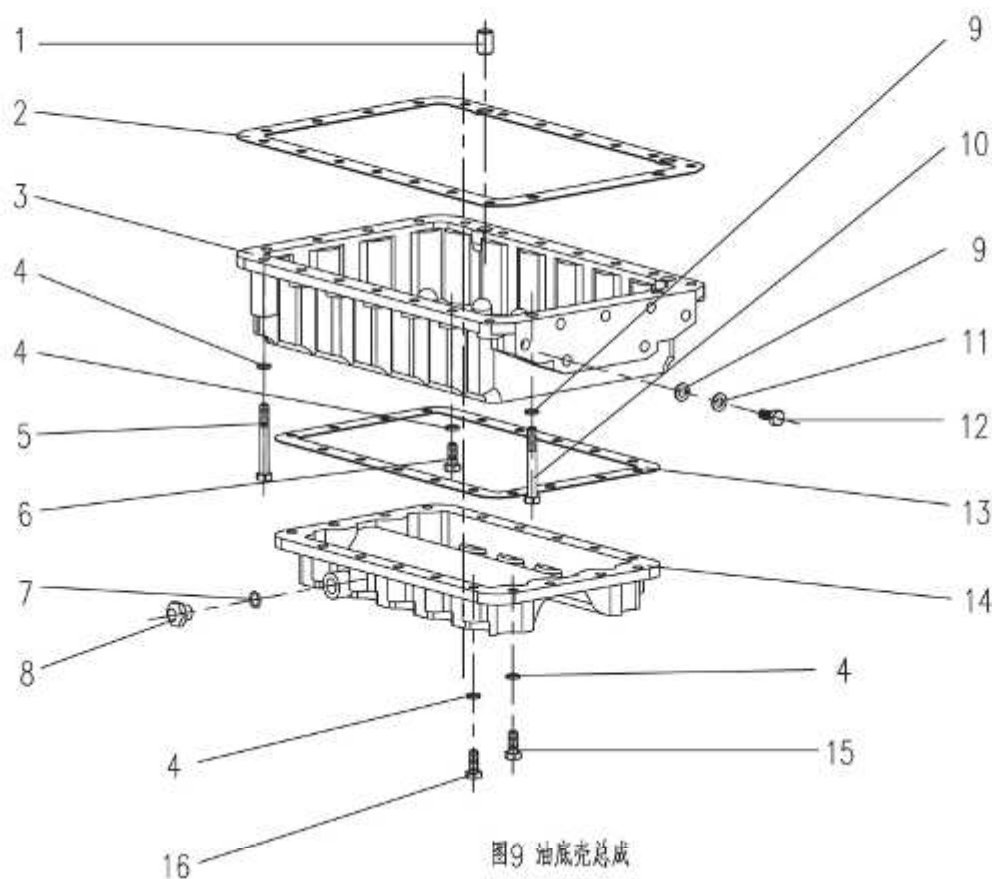


图9 油底壳总成

Fig.9 Oil Sump Assembly

油底壳总成(图 9)

Oil Sump Assembly (Fig.9)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	定位销 Dowel pin	N485T-03110	2
2	油底壳垫片 Oil sump gasket	N390T-11001-1	1
3	油底壳 Oil sump	N390T-11004-1	1
4	垫圈 Washer 8	GB93-87	39
5	螺栓 Bolt M8×55	GB5782-86	1
6	螺栓 Bolt M8×30	GB5783-86	17
7	O形密封圈 Seal ring	GB1235-76	2
8	闷头 Plug	195-01026	2
9	垫圈 Washer 10	GB93-87	6
10	螺栓 Bolt M10×30	GB5782-86	2
11	垫圈 Washer 10-100HV	GB95-85	4
12	螺栓 Bolt M10×30	GB5783-86	4
13	副油底壳垫片 Auxiliary oil sump gasket	N390T-11005-1	1
14	副油底壳 Auxiliary oil sump	N390T-11006-1	1
15	螺栓 Bolt M8×25	GB5783-86	11
16	螺栓 Bolt M8×45	GB5783-87	10

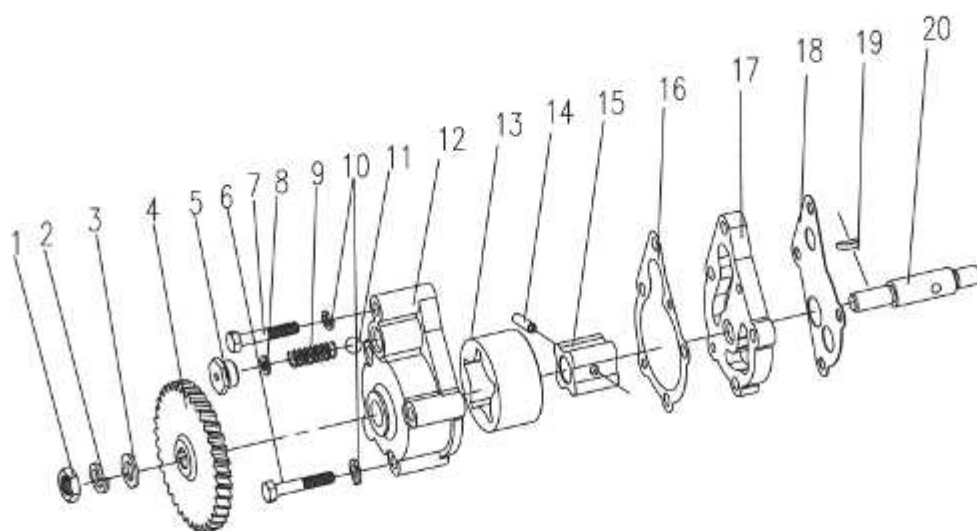


图10 机油泵总成

Fig.10 Lubricating Oil Pump Assembly

机油泵总成(图 10)

Lubricating Oil Pump Assembly (Fig.10)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	螺母 Nut M10×1	GB6173-86	1
2	垫圈 Washer 10	GB859-87	1
3	垫圈 Washer 10	GB848-85	1
4	机油泵齿轮 Oil pump gear	N85-13007(A)	1
5	限压阀塞 Pressure-limiting plug	N85-13006	1
6	螺栓 Bolt M6×50	GB5782-86	3
7	螺栓 Bolt M6×55	GB5782-86	1
8	垫圈 Washer 4	GB859-87	4
9	限压弹簧 Pressure-limiting spring	N85-13005	1
10	垫圈 Washer 6	GB859-87	4
11	钢球 Steel ball	GB308-77	1
12	机油泵体 Oil pump body	N485-13001(A)	1
13	外转子 Outer rotor	N485-13004(A)	1
14	圆柱销 Cylindrical pin	N85-13103(A)	1
15	内转子 Inner rotor	N485-13102(A)	1
16	调整垫片 Adjusting shim	N485-13008(A)	1
17	机油泵盖 Oil pump cover	N85-13002(A)	1
18	垫片 Gasket	N85-13003	1
19	键 Key3×5×13	GB1099-79	1
20	机油泵轴 Oil pump shaft	N485-13101(A)	1

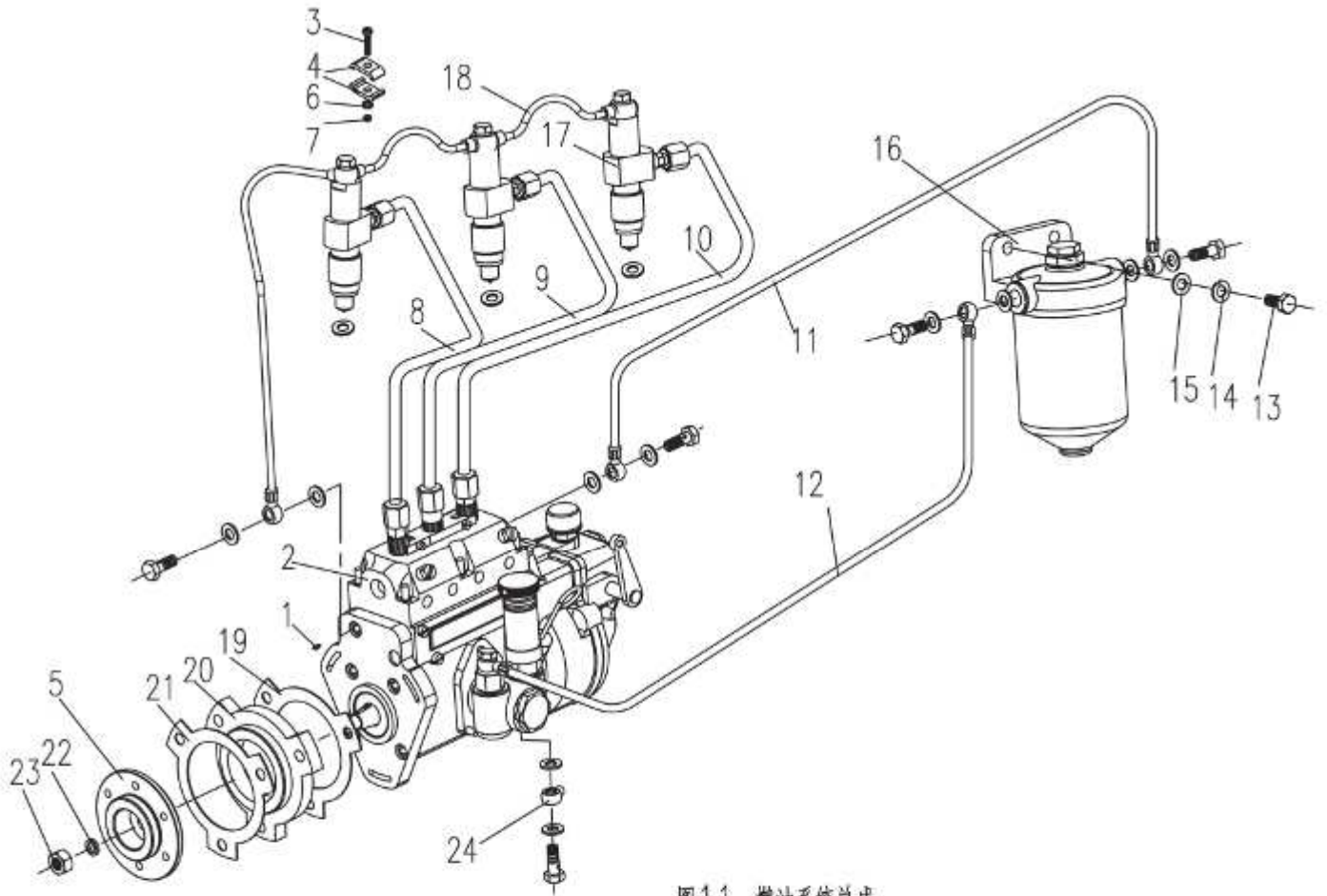


图11 燃油系统总成

Fig.11 Fuel System

## 燃油系统总成(图 11)

### Fuel System (Fig.11)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	半圆键 Woodruff 3×16	GB1099-79	1
2	喷油泵总成 Injection pump	ZN390T-18000	1
3	圆柱头螺钉 Cylindrical screw M5×20	GB65-85	2
4	夹箍 Pipe clip(A)	N85-14001	4
5	喷油泵正时齿轮联接盘 Injection pump timing gear adapter	N85-18005	1
6	弹簧垫圈 Spring washer 5	GB859-87	2
7	螺母 nut M5	GB6170-86	2
8	第一缸高压油管部件 1 <sup>st</sup> cylinder high pressure fuel pipe	N385-14100	1
9	第二缸高压油管部件 2 <sup>nd</sup> cylinder high pressure fuel pipe	N385-14300	1
10	第三缸高压油管部件 3 <sup>rd</sup> cylinder high pressure fuel pipe	N385-15300	1
11	滤清器出油管部件 Fuel filter outlet pipe	N385-15300	1
12	输油泵出油管部件 Fuel feed pump outlet pipe	N385-15400	1
13	螺栓 Bolt M8×25	GB5782-86	2
14	垫圈 washer 8	GB859-87	2
15	垫圈 washer 8	GB848-85	2
16	柴油滤清器总成 Fuel filter	N485-28000	1
17	喷油器总成 Injector	ZN490QA-25000	3
18	喷油器回油管部件 Injector fuel return pipe	N390T-15100	1
19	喷油泵法兰垫片 Fuel pump flange gasket	N85-18002	1
20	喷油泵垫块 Injection pump end cover	N85-18003	1
21	喷油泵联接盘垫片 Injection pump adapter gasket	N85-18004	1
22	垫圈 washer 12	GB93-87	1
23	螺母 nut M12	GB6170-86	1
24	输油泵进油管接头部件 Fuel feed pump inlet connection	N85-15500	1

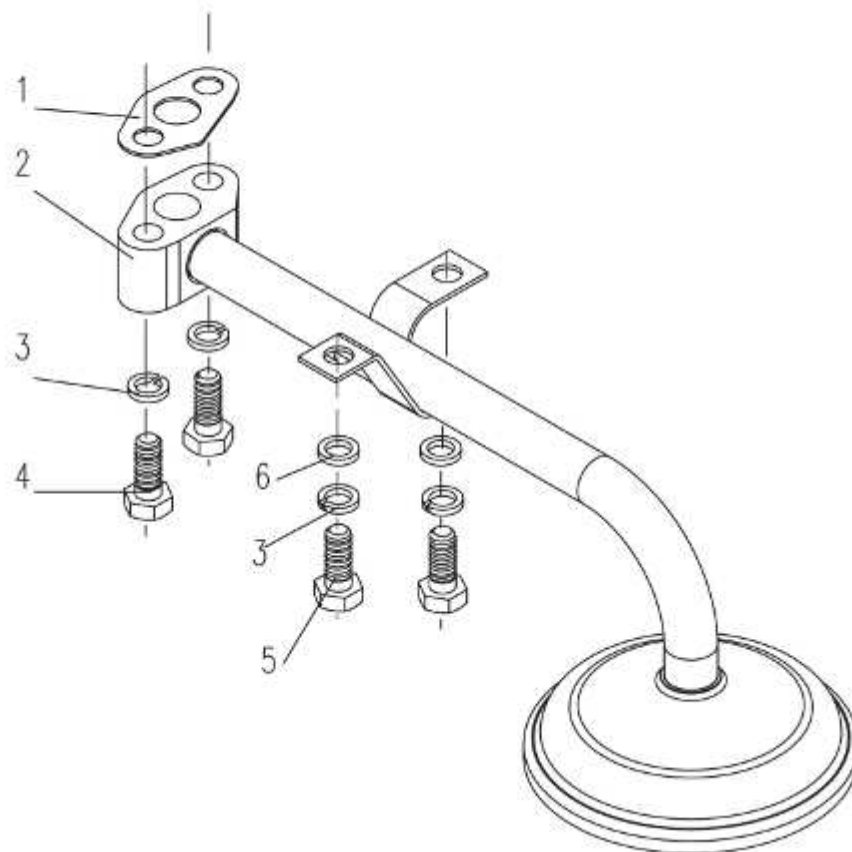


图12 机油集滤器总成

Fig.12 Oil suction Strainer Assembly

机油集滤器总成(图 12)

Oil Suction Strainer Assembly (Fig.12)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	垫片 Gasket	N390T-16002	1
2	机油集滤器总成 Oil suction strainer	N390T-16000A	1
3	垫圈 washer 6	GB859-87	4
4	螺栓 bolt M6×35	GB5782-86	2
5	螺栓 bolt M6×16	GB5783-86	2
6	垫圈 washer 8	GB848-85	2

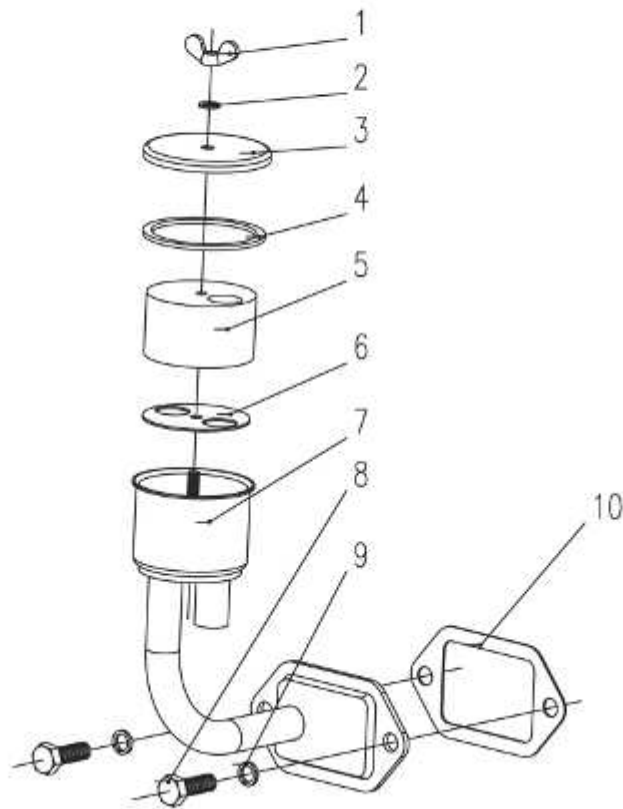


图13 呼吸器总成

Fig.13 Breather Assembly

呼吸器总成(图 13)

**Breather Assembly (Fig.13)**

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	螺母 Nut	GB62-88	1
2	垫圈 Washer 5	GB97.1-85	1
3	呼吸器盖 Breather cover	N85-19001	1
4	密封垫圈 Seal ring	N85-19002	1
5	滤网 Cartridge	N85-19003	1
6	网挡 Cartridge retainer	N85-19004	1
7	呼吸器体焊合件 Breather body	N385-19100	1
8	螺栓 Bolt M8×16	GB5782-86	2
9	垫圈 Washer 8	GB859-87	2
10	推杆室盖垫片 Push rod case cover gasket	N85-19005	1

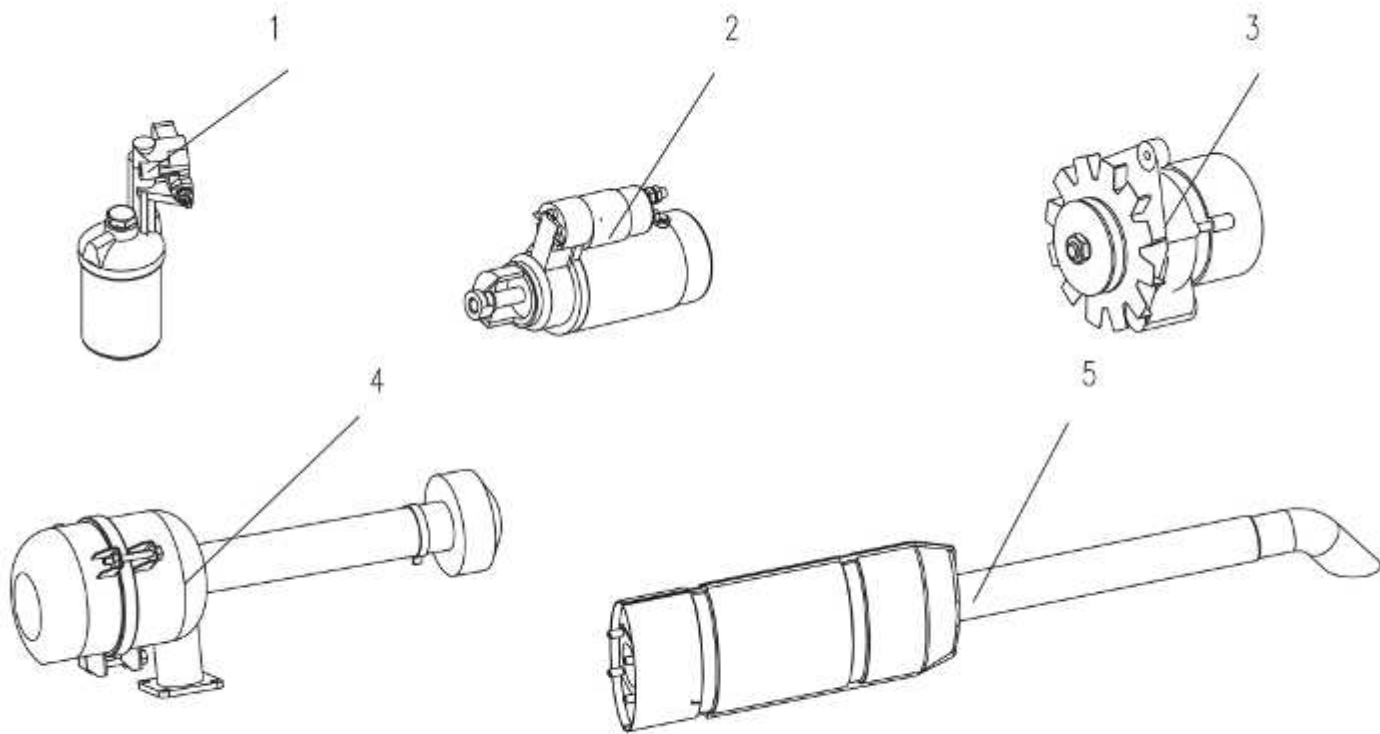


图14 机滤、空滤、发电机、起动电机、消声器

Fig.14 Oil Filter/Air Filter/Generator/Starting Motor/Silencer

机滤、空滤、发电机、起动电机、消声器(图 14)

**Oil Filter/Air Filter/Generator/Starting Motor/Silencer (Fig.14)**

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	机油滤清器总成 Lubricating oil filter	N85T-16000A	1
2	起动电机总成 Starting motor	N485-30000	1
3	充电发电机总成 Charging generator	N85Q-29000	1
4	空气滤清器总成 Air filter	N390T-27000	1
5	消声器总成 Silencer	N85T-20000	1



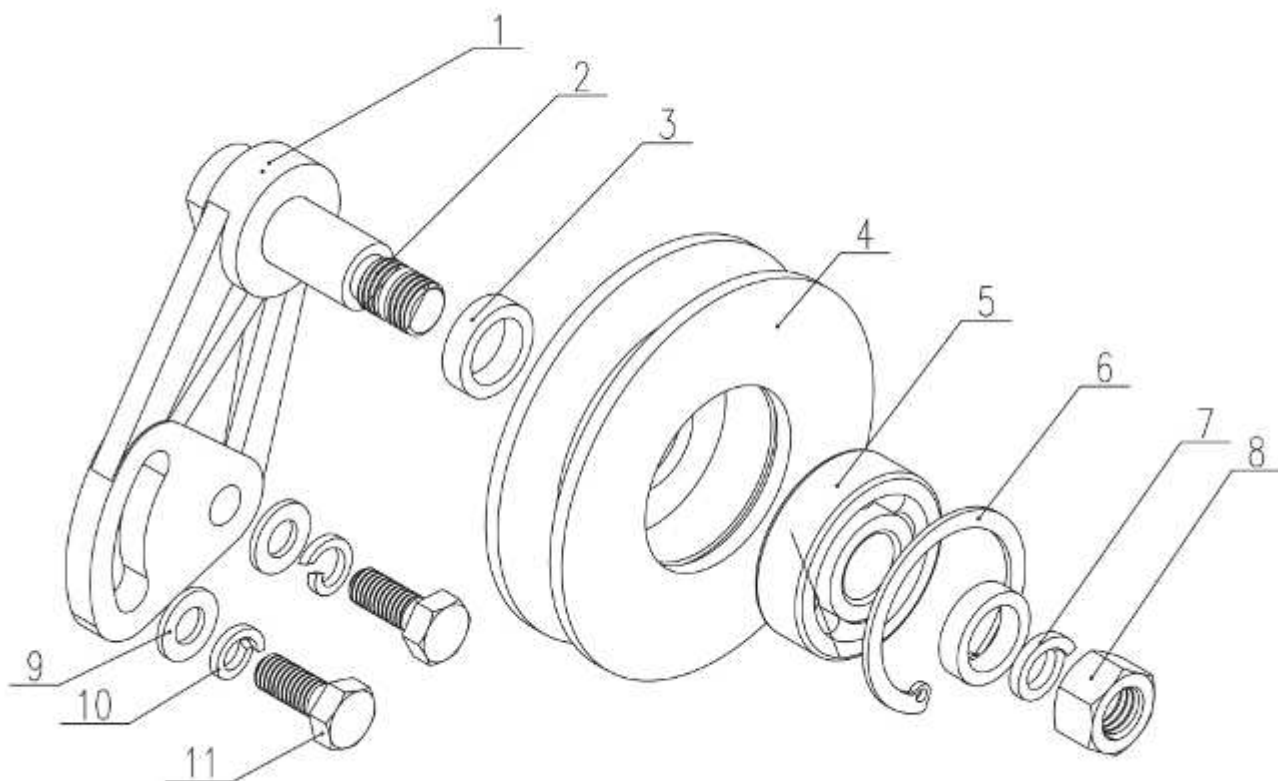


图15 张紧轮部件

Fig.15 Tension pulley assembly

张紧轮部件(图 15)

Tension pulley assembly (Fig.15)

序号 Ref.No.	名称 Name of parts	零、部件号 Part No.	数量 Quantity
1	张紧轮支架 Tension pulley bracket	N390T-21002	1
2	张紧轮轴 Tension pulley shaft	N390T-21004	1
3	套圈 Bush ring	N390T-21003	2
4	张紧轮 Tension pulley	N390T-21001	1
5	轴承 Bearing 6302E-2RS	GB/T276-94	1
6	挡圈 Thrust ring 42	GB/T893.1-86	1
7	垫圈 Washer 12	GB/T93-87	1
8	螺母 Nut M12	GB/T6170-2000	1
9	垫圈 Washer 8	GB/T97.1-85	2
10	垫圈 Washer 8	GB/T93-87	2
11	螺栓 Bolt M8×20	GB/T5783-2000	2