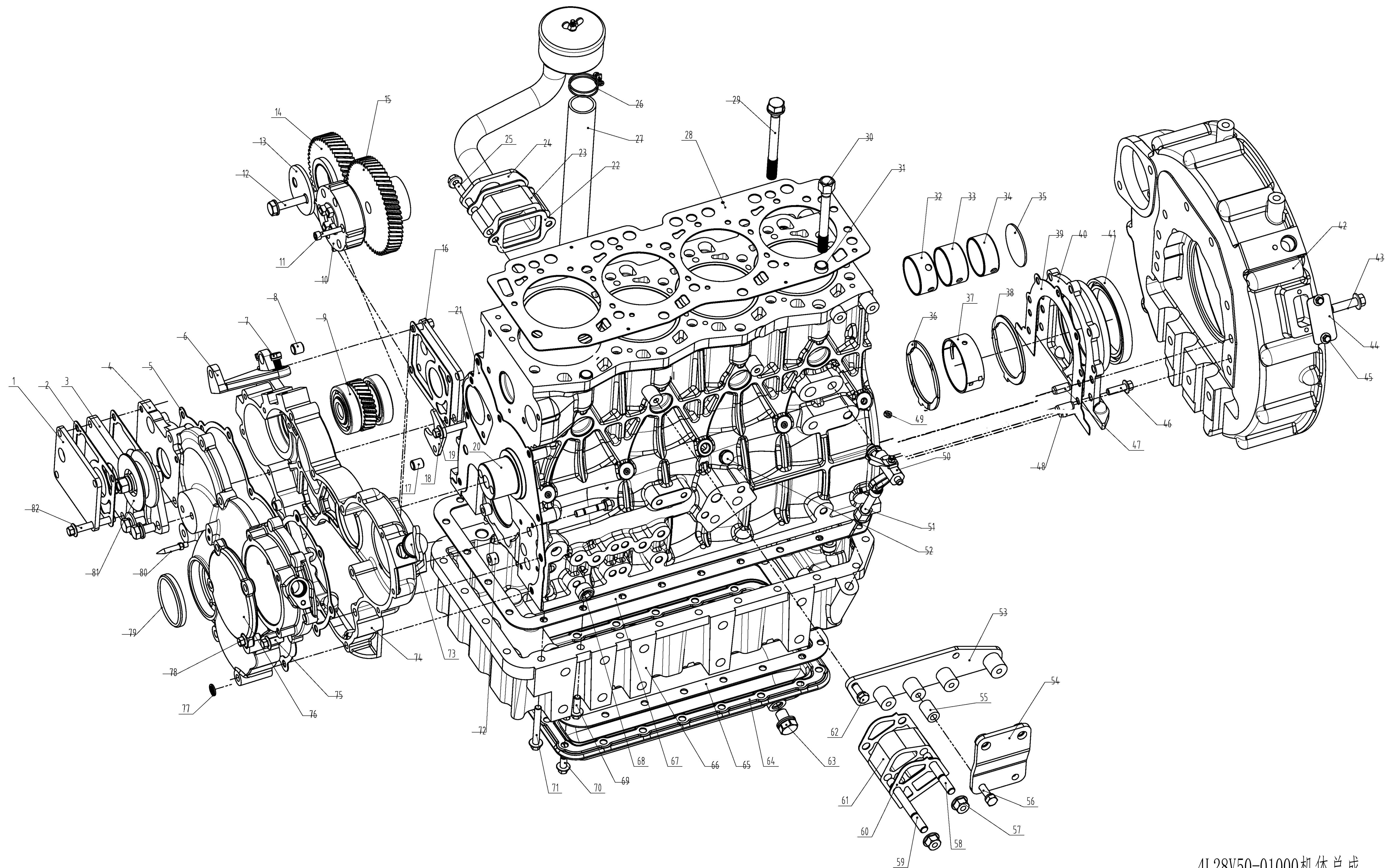




4L28V50-01000机体总成

4L28V50-01000 机体总成

Cylinder block assembly

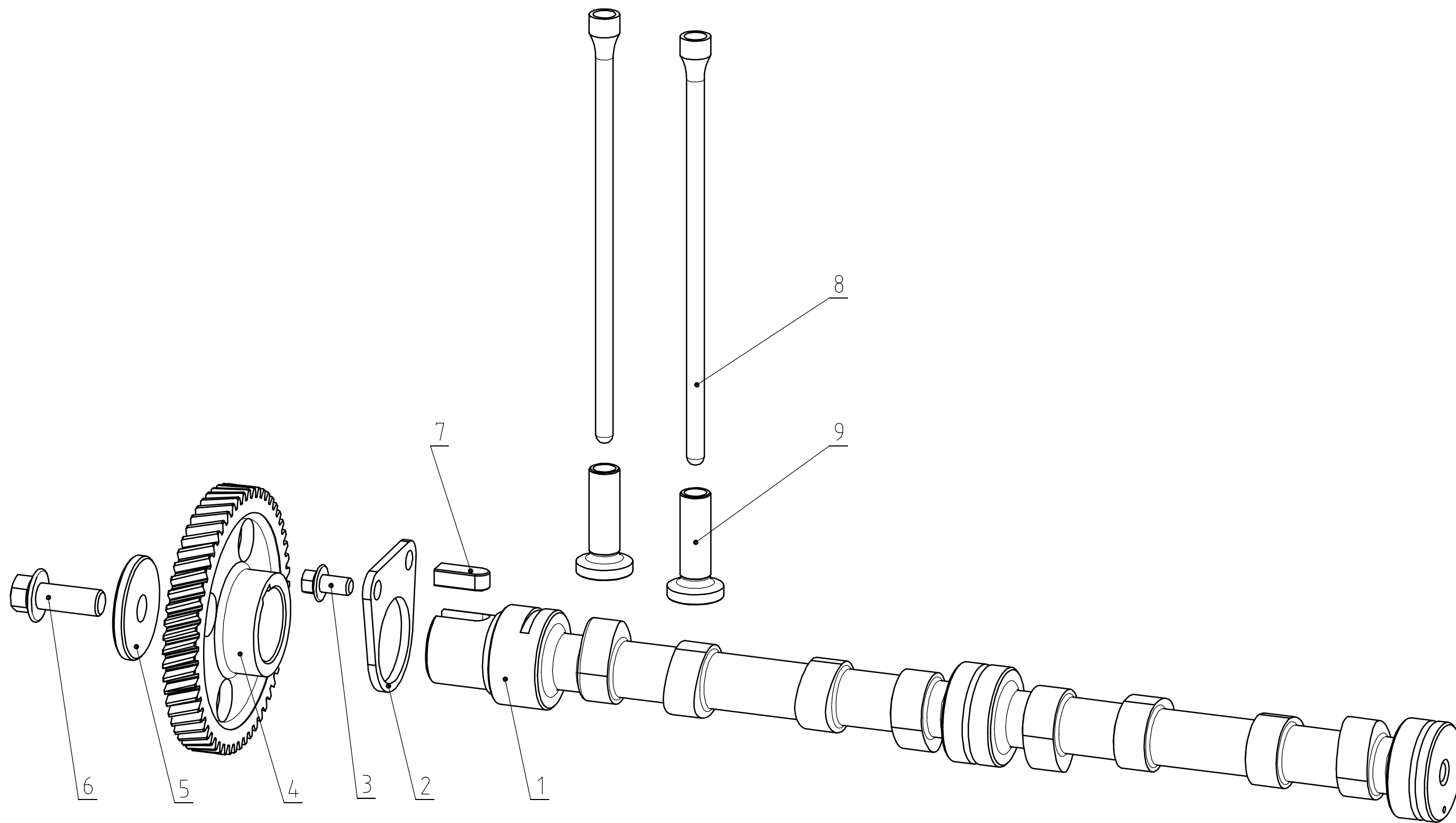
序号 ITEM	代号 PART NO	名称	DESCRIPTION	数量 QUANTITY
1.	TL4110-06027	液压泵盖板 Hydraulic pump cover plate		1
2.	KM385T-01039M-1	液压泵垫片 Hydraulic pump gasket		3
3.	KM490BT-01016	液压泵过渡板 Hydraulic pump transition plate		1
4.	4T4G75-01015	齿轮室盖 Gear room cover		1
5.	KM490BT-01013M	齿轮室盖垫片 Gear room cover gasket		1
6.	4L28G75-01028	发电机固定支架 Generator fixed bracket		1
7.	M8*25	螺栓 Bolt		2
8.	L375-01031	发电机支架垫套 Generator bracket cushion cover		1
9.	KM390BT-01042-1/GB/T276-1994 6007	液压泵齿轮/轴承 Hydraulic pump gear/Bearing		1/2
10.	4TG60C-01050	空压机连接盘 Air compressor connection disk		1
11.	M6*30	螺栓 Bolt		1
12.	4L22TDI-01021	惰齿轮轴螺栓 Inert gear shaft bolts		2
13.	4L28G75-01014	惰齿轮压板 Inert gear press plate		1
14.	4L28G75-01200	惰齿轮衬套合件 Inert gear bushing fit		1

15.	4TG60C-01043	燃油泵正时齿轮 Fuel pump timing gear		1
16.	TL4110-06027	液压泵盖板 Hydraulic pump cover plate		1
17.	KM390BT-01105	齿轮室定位套 Gear chamber positioning sleeve		5
18.	KM390BT-02002	凸轮轴压板 Camshaft press plate		1
19.	M8*35	螺栓 Bolt		1
20.	4L28G75-01021	惰齿轮轴 Idler gear shaft		1
21.	4L28G75-01011	齿轮室垫片 Gear chamber gasket		1
22.	KM490BT-01023	推杆室盖板垫片 Putter room cover gasket		2
23.	4TD55A-01067	呼吸器垫块 Respirator pads		1
24.	4TD55A-01300-7	呼吸器部件 Respirator parts		1
25.	AM8*55	螺柱 Stud		1
26.	ZBT32005. 1-88 ϕ 35	双钢丝式软管环箍 Double wire hose ring		1
27.	4D30A-01206	输油胶管 Oil hose		1
28.	4T4G50K-01002S	气缸盖垫片 Cylinder head gasket		1
29.	KM390BT-01004	气缸盖长螺栓 Cylinder head long bolts		14
30.	4L28G75-01005	缸盖短螺栓 Cylinder head short bolts		4
31.	KM390BT-01103	气缸盖定位套 Cylinder head positioning sleeve		2
32.	KM390BT-011105	凸轮轴前衬套 Camshaft front bushing		1

33.	KM390BT-011106	凸轮轴中衬套 Camshaft bushing		1
34.	KM390BT-011107	凸轮轴后衬套 Camshaft rear bushing		1
35.	L375-01102	塞片 $\Phi 55$ Plug $\Phi 55$		1
36.	KM390BT-01008	曲轴上止退片 Crankshaft stop film		2
37.	KM390BT-01017L/01016L	主轴瓦上瓦/下瓦 Spindle tile upper tile/Lower tile		5
38.	KM390BT-01007	曲轴下止退片 Stop the film under the crankshaft		2
39.	KM490BT-01031-1M	后油封盖垫片 Rear oil cover gasket		1
40.	KM490BT-01032	后油封盖 Rear oil cover		1
41.	GB/T9877-2008 DR52 $\times$ 72 $\times$ 12FJ	油封 Grease seal		1
42.	KM490BT-01010-1PS	飞轮壳 Flywheel shell		1
43.	M10*35	螺栓 Bolt		1
44.	KM390BT-01056	观察孔盖板 Observation hole cover plate		1
45.	M6*12	螺栓 Bolt		1
46.	M8*25	螺栓 Bolt		1
47.	10*22	螺栓 Bolt		1
48.	10*22	螺栓 Bolt		1
49.	KM490BT-01107A	螺塞 Screw plug		5
50.	4TD55A-01610	放水阀合件 Water discharge valve assembly		1

51.	4TD60C-01400	机油标尺合件 Oil ruler fittings		1
52.	4L18E-01113	螺塞 Screw plug		1
53.	4L28G75-01901L	油轨支架 Oil rail bracket		1
54.	4L28G75-01036-1	柴油滤支架 Diesel filter bracket		1
55.	K15-01010	空气压缩机垫套 Air compressor cushion cover		2
56.	M8*45	螺栓 Bolt		1
57.	GB/T6187. 1-2000 M10	全金属六角法兰面锁紧螺母 All-metal hexagonal flange locking nut		1
58.	AM10*60	螺柱 Stold		1
59.	AM10*85	螺柱 Stold		1
60.	4TE40-01027	机油滤清器垫片 Oil filter gasket		2
61.	KM490BT-01029	机油滤垫块 Oil filter pads		1
62.	M8*20	螺栓 Bolt		10
63.	LL380-01501/01503	放油螺塞/组合垫 ϕ 14 Oil discharge screw plug/combination pad ϕ 14		2/2
64.	KM490BT-01520	副油底壳焊接件 Secondary oil sup shell welding parts		1
65.	KM490BT-01503M	副油底壳垫片 Secondary oil bottom case shim		1
66.	KM490BT-01501	油底壳 Oil bottom shell		1
67.	KM490BT-01018M	油底壳垫片 Oil supp gasket		1

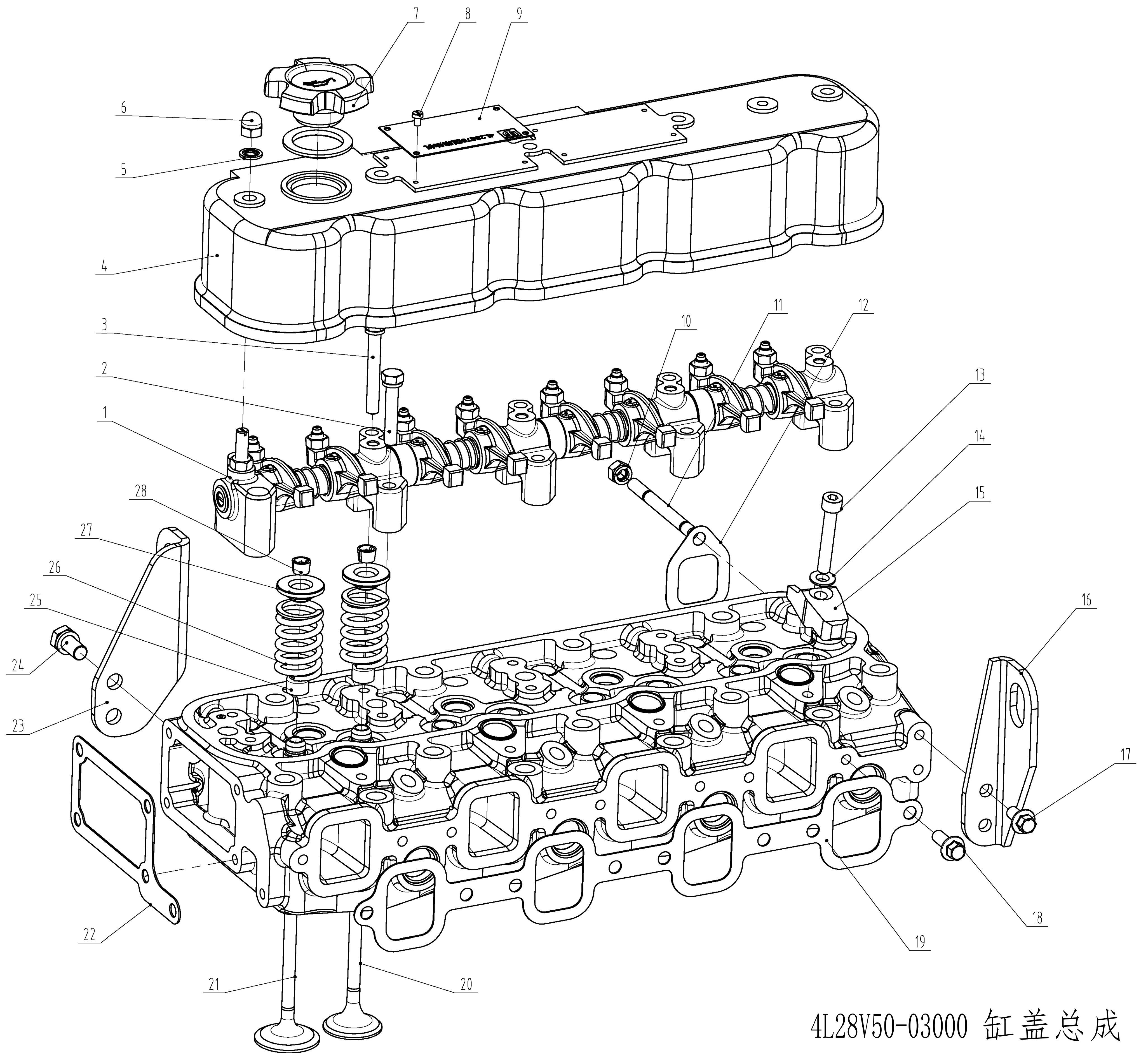
68.	QC/T378 3/8	内六角锥形螺堵 Inner hexagonal conical screw plug		1
69.	M8*25	螺栓 Bolt		2
70.	M8*16	螺栓 Bolt		2
71.	M8*60	螺栓 Bolt		1
72.	KM490BT-01114	油堵 Oil plug		1
73.	1105-01305-3/1105-01304	加油口螺塞/组合垫 ϕ 20Refueling port screw plug/combination pad ϕ 20		1/1
74.	4T4G75-01012	齿轮室 Gear room		1
75.	M8*20	螺栓 Bolt		5
76.	4L22BT-01025	正时齿轮室前盖 The front cover of the timing gear chamber		1
77.	L375-03017	防漏垫圈 Φ 8Leakproof washer Φ 8		1
78.	M8*20	螺栓 Bolt		4
79.	GB/T9877-2008 DL85 $\times$ 110 $\times$ 12FJ	油封 Grease seal		5
80.	KM390BT-01034	上止点指针 Up Stop Pointer		1
81.	3TE30-01700-1	涨紧轮部件 Tightening wheel parts		1
82.	M8*55	螺栓 Bolt		2



4L28V50-02000 凸轮轴总成

4L28V50-02000 凸轮轴总成 Camshaft assembly

序号 Ref. No.	代号 Part No.	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	KM490BT-02001	凸轮轴 Camshaft		1
2.	4L28G75-02002	凸轮轴压板 Camshaft press plate		1
3.	GB/T16674. 1-2004 M8×14	六角法兰面螺栓 Hexagon flange bolt		2
4.	KM390BT-02011	凸轮轴齿轮 Camshaft gear		1
5.	KM390BT-02004	凸 轮 轴 正 时 齿 轮 压 板 Camshaft timing gear press plate		1
6.	GB/T16674. 1-2004 M12×30	六角法兰面螺栓 Hexagon flange bolt		1
7.	GB/T1096-2003 C10×25	平键 Flat key		1
8.	KM390BT-02005	挺柱 Stand the pillar		8
9.	LL480-02003	推杆 Putter		8



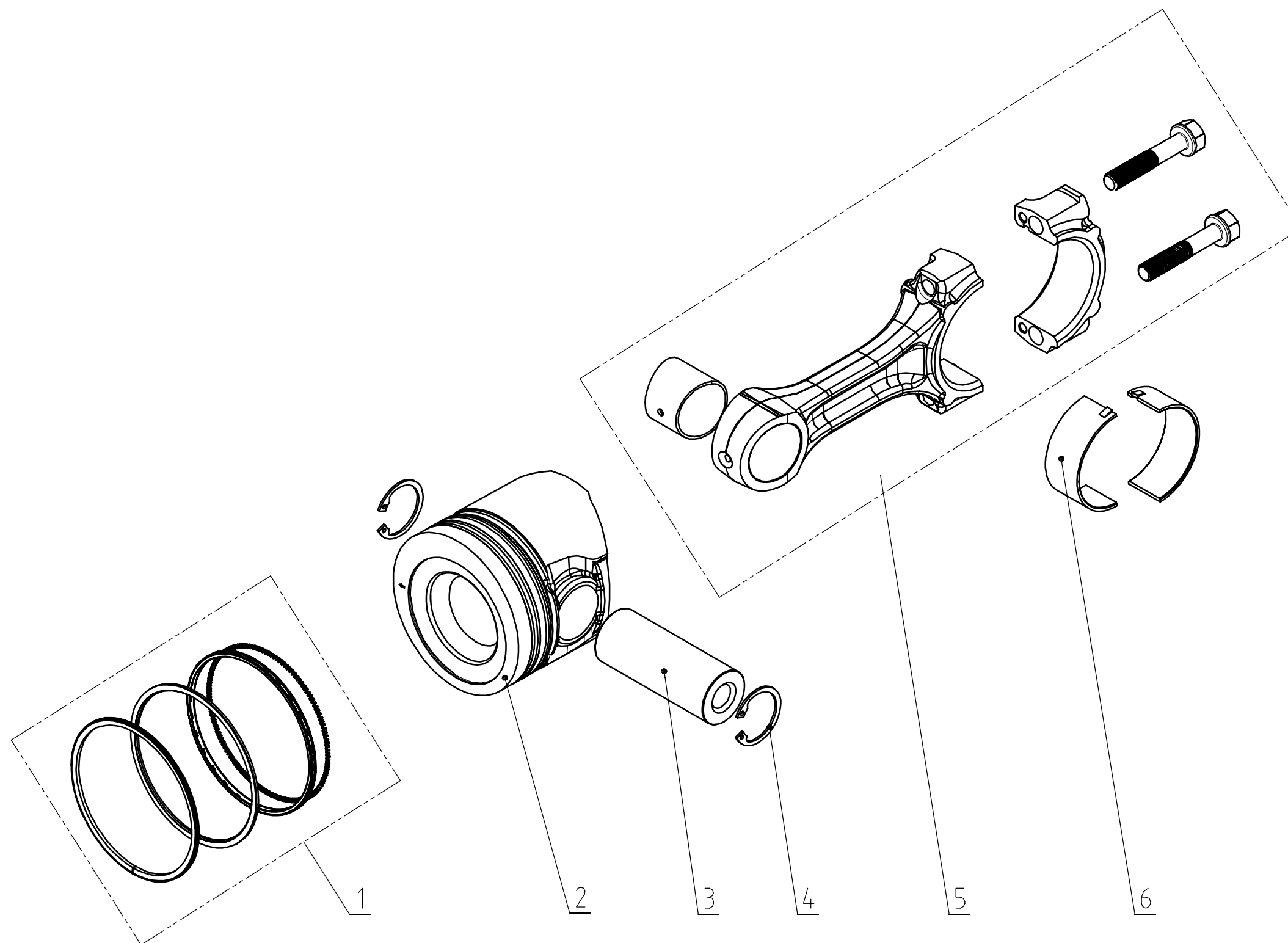
4L28V50-03000 缸盖总成

4L28V50-03000 缸盖总成

Cylinder head assembly

序号 ITEM	代号 PART NO	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	4L28G75-03200	摇臂轴部件 Rocker shaft parts		1
2.	M8*45	螺栓 Bolt		3
3.	M8*60	螺栓 Bolt		1
4.	4L28G75-03301/03309	缸盖罩/缸盖罩密封圈 Cylinder hood/cylinder hood sealing ring		1
5.	L375-03017	防漏垫圈 Φ8Leakproof washer Φ8		1
6.	GB/T923-1988 M8	盖形螺母 Cover-shaped nut		1
7.	4TE35A-033100	加油口盖合件 Refueling mouth cover clutch		2
8.	GB/T65-2000 M4×6	开槽圆柱头螺钉 Slotted cylindrical head screw		1
9.	4L28V50-03302	铭牌 Nameplate		1/2
10.	4T4G100-08011	M8 螺母 M8 nut		1
11.	4L28G75-03016	排气管螺柱 Exhaust pipe stud		1
12.	4TD55A-03006	排气管垫片 Exhaust pipe gasket		2
13.	GB/T70. 1-2008 M8*50	螺栓 Bolt		1
14.	GB/T849	球面垫圈 Spherical washer		1
15.	4L28G75-03022	喷油器压板 Injector pressure plate		1

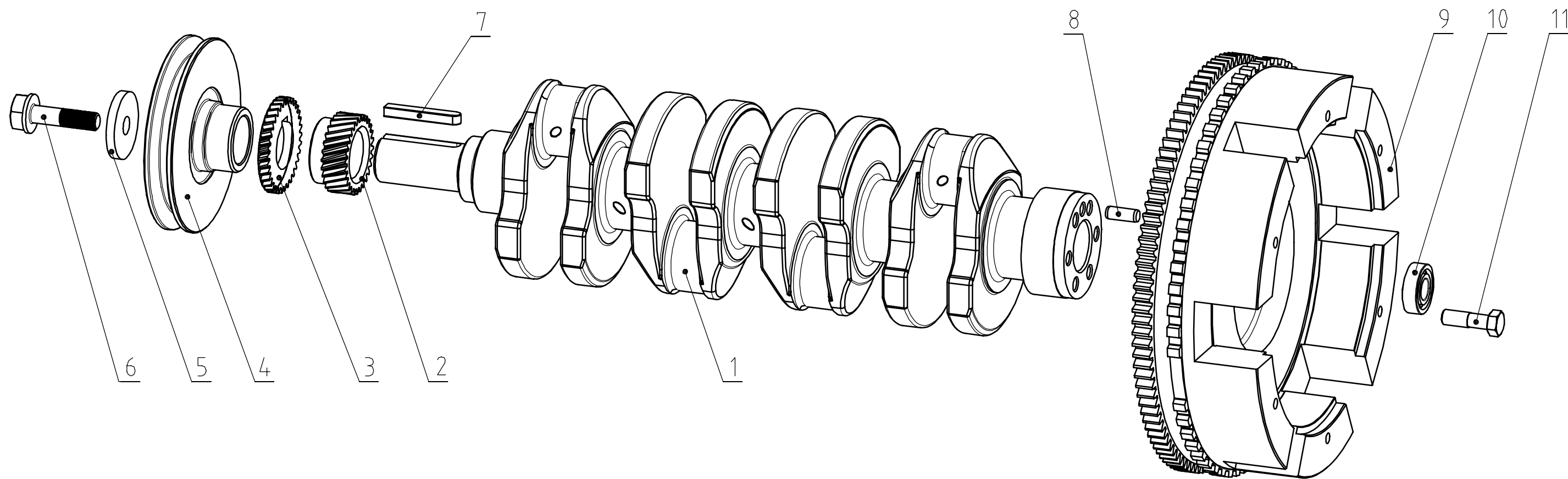
16.	KM390BT-03012	吊耳 Hanging ears		1
17.	M8*16	螺栓 Bolt		5
18.	M8*22	螺栓 Bolt		1
19.	KM490BT-03012	吊耳 Hanging ears		1
20.	4L28G75-03004	排气门 Exhaust valve		1
21.	4L28G75-03005-1	进气门 Intake valve		1
22.	KM390BT-03010M	水泵连接板垫片 Water pump connection plate gasket		2
23.	4L28G75-03012	吊耳 Hanging ears		1
24.	M8*18	螺栓 Bolt		2
25.	KM390BT-03019-1	阀杆油封 Valve stem oil seal		1
26.	KM390BT-03015A	气门弹簧 Valve spring		1
27.	KM390BT-03009A	气门弹簧上座 Valvent spring seat		1
28.	KM390BT-03008	气门锁夹 Air valve lock clamp		1



4L28V50-04000 活塞连杆总成

4L28V50-04000 活塞连杆总成 Piston connecting rod assembly

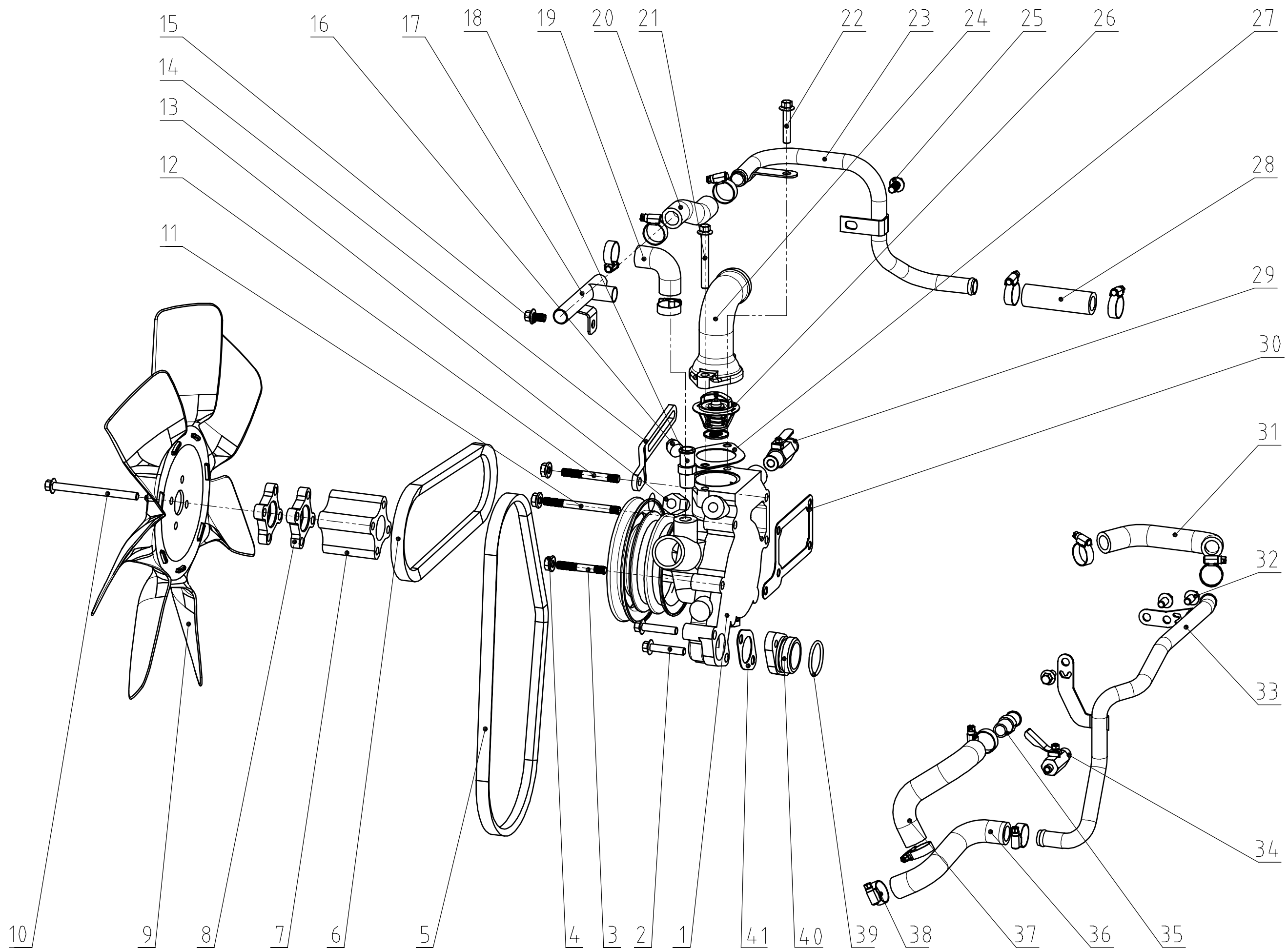
序号 Ref.No.	代号 Part No.	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	4L28G75-04010-1	活塞环部件 Piston ring parts		1
2.	4L28G75-04005S4	活塞 Piston		1
3.	4L28G75-04004	活塞销 Piston pin		1
4.	GB/T893.1-1986 32	孔用弹性挡圈 Elastic retainer for holes		2
5.	4L28G75-04200	连杆部件 Connecting rod parts		1
6.	4L28G75-04003	连杆瓦 Connecting rod tile		2



4L28V50-05000 曲轴飞轮总成

4L28V50-05000 曲轴飞轮总成 Crankshaft flywheel assembly

序号 Ref.No.	代号 Part No.	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	KM490BT-05003-1	曲轴 Crankshaft		1
2.	KM390BT-05007	曲轴齿轮 Crankshaft gear		1
3.	KM390BT-05008	机油泵主动齿轮 Motor oil pump active gear		1
4.	4TE40-05005CY	曲轴皮带轮 Crankshaft pulley		1
5.	KM390BT-05004	起动爪垫板 Starting claw pad		1
6.	KM385T-05006	起动爪 Start the claws		1
7.	GB/T1096-2003 C10×63	平键 Flat key		1
8.	GB/T119-1986 B10×25	圆柱销 Cylindrical pin		1
9.	4TD55A-05100-7	飞轮齿圈部件 Flywheel gear ring parts		1
10.	GB/T276-1994 6203-2RS	轴承 Bearing		1
11.	KM496BT-05004-1	飞轮紧固螺栓 Flywheel fastening bolts		6



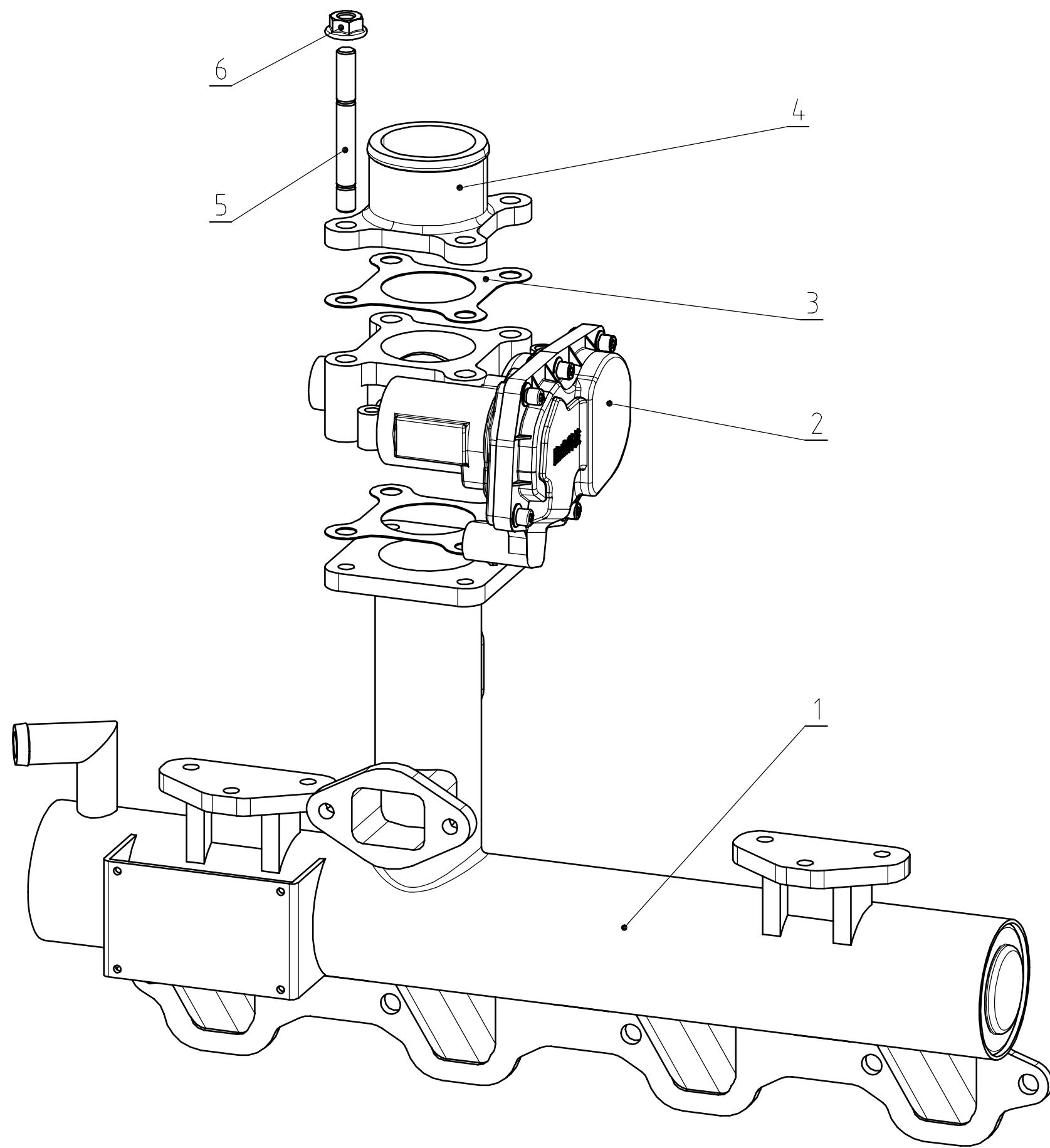
4L28V50-06000 冷却系统总成

4L28V50-06000 冷却系统总成 Cooling system assembly

序号 Ref. No.	代号 Part No.	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	3TE30-06100-2C	水泵部件 Pump parts		1
2.	GB/T16674. 1-2004 M8×45	六角法兰面螺栓 Hexagon flange bolt		2
3.	GB/T898-1988 AM8×45-8. 8	螺柱 Hexagon flange bolt		2
4.	GB/T6177. 1-2000 M8	六角法兰面螺母 Hexagonal flange nut		4
5.	GB/T12732-2008 AV15×945	齿形带 Tooth-shaped belt		1
6.	GB/T12732-2008 AV15×705	齿形带 Tooth-shaped belt		1
7.	4L22BT-06112S	风扇垫块 Fan pad block		1
8.	KM385T-06112-1S	风扇垫块 Fan pad block		2
9.	4TD80-06400-6	风扇 Electric fan		1
10.	GB/T16674. 1-2004 M8×100	六角法兰面螺栓 Hexagonal flange bolts		4
11.	GB/T898-1988 AM8×80-8. 8	螺柱 Stud		1
12.	GB/T899-1988 AM8×55-8. 8	螺柱 Stud		1
13.	KM490BT-06103	水温传感器接头 Water temperature sensor connector		1
14.	KM390BT-06001	撑杆 Pole		1
15.	GB/T16674. 1-2004 M8×14	六角法兰面螺栓 Hexagon flange bolt		1
16.	D495QB-06111-1	螺塞 Screw plug		1
17.	4L28V50-06209	三通接头 Three-way connector		1

18.	L375-06209-1	暖风接头 Warm air connector		1
19.	4L28V50-06009-1	水泵回水胶管 II Pump backwater hose II		1
20.	4L28V50-06009	水泵回水胶管 I Water pump backwater hose I		1
21.	GB/T16674. 1-2004 M8×65	六角法兰面螺栓 Hexagon flange bolt		1
22.	GB/T16674. 1-2004 M8×40	六角法兰面螺栓 Hexagon flange bolt		1
23.	4L25V50-06006 EGR	冷却器出水钢管 Cooler outlet steel pipe		1
24.	KM390BT-06201	节温器壳 Thermotor housing		1
25.	GB/T16674. 1-2004 M8×18	六角法兰面螺栓 Hexagon flange bolt		1
26.	L375-06203	节温器 Thermostal		1
27.	KM390BT-06202M	节温器壳垫片 Thermostr shell shim		1
28.	4T4G100-17008-1B	EGR 冷却器回水胶管 2EGR cooler backwater hose 2		1
29.	LL480-03500-5L	暖风开关 Warm air switch		1
30.	KM390BT-03010M	水泵连接板垫片 Water pump connection plate gasket		1
31.	4L28G75-06004-2	EGR 冷却器进水胶管 EGR cooler water inlet hose		1
32.	GB/T16674. 1-2004 M8×14	六角法兰面螺栓 Hexagonal flange bolts		2
33.	4L28G75-06008	EGR 冷却器进水钢管 EGR cooler water inlet steel pipe		1

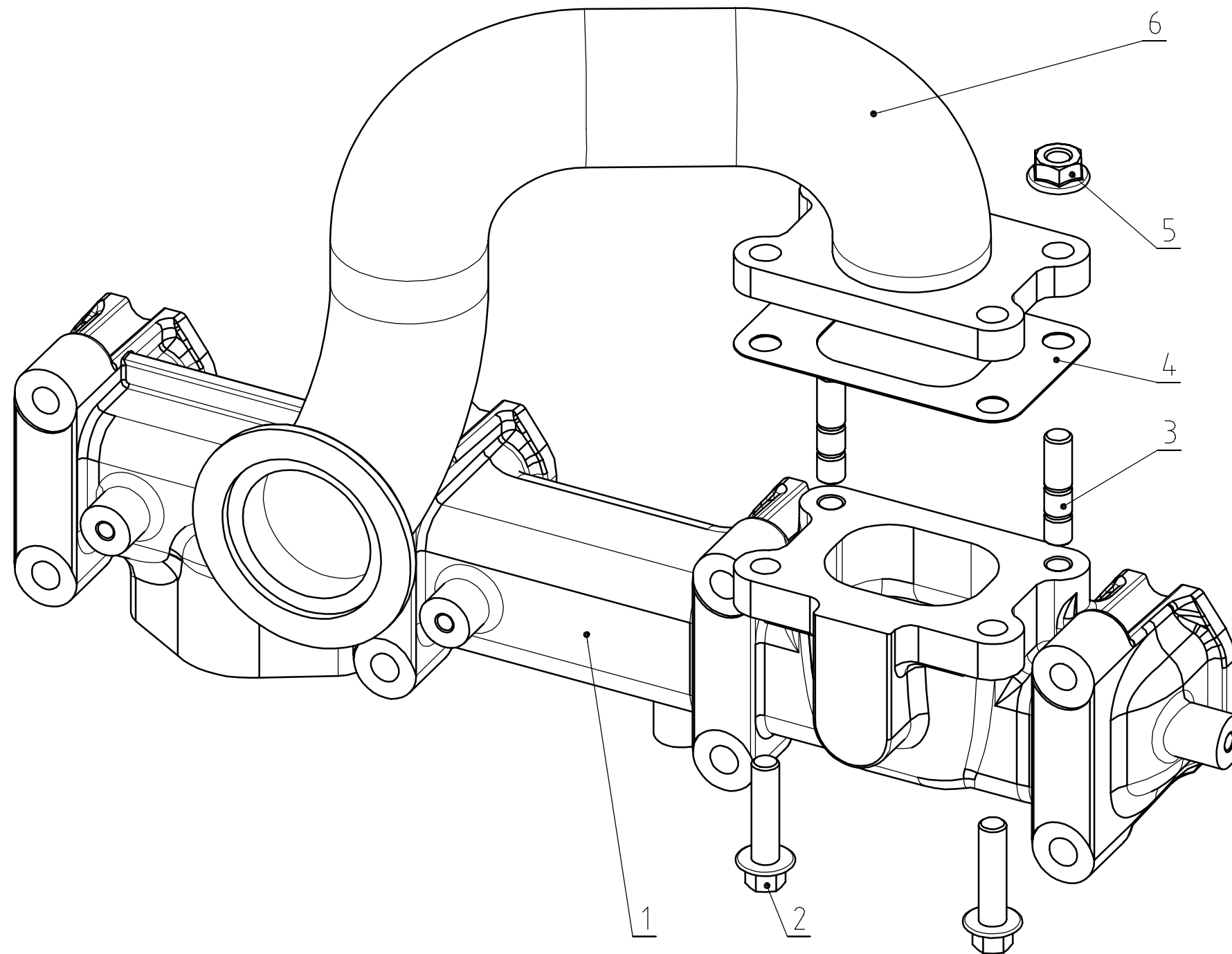
34.	4TD55A-01600	放水阀部件 Water discharge valve parts		1
35.	L375-06209-1	暖风接头 Warm air connector		1
36.	4L28G75-06005-2	机油冷却器出水胶管 Oil cooler outlet hose		1
37.	4L28G75-06001-2	机油冷却器进水胶管 Oil cooler water inlet hose		1
38.	QC/T620-1999 16-27	A 型蜗杆传动软管环箍 Type A worm drive hose ring hoop		12
39.	GB1235-1976 D40×3.1	O 型密封圈 O-shaped sealing ring		1
40.	KM390BT-06002	出水接头 Water outlet connector		1
41.	KM390BT-06003M	出水接头垫片 Water outlet connector gasket		1



4L28V50-07000 进气系统总成

4L28V50-07000 冷却系统总成 Cooling system assembly

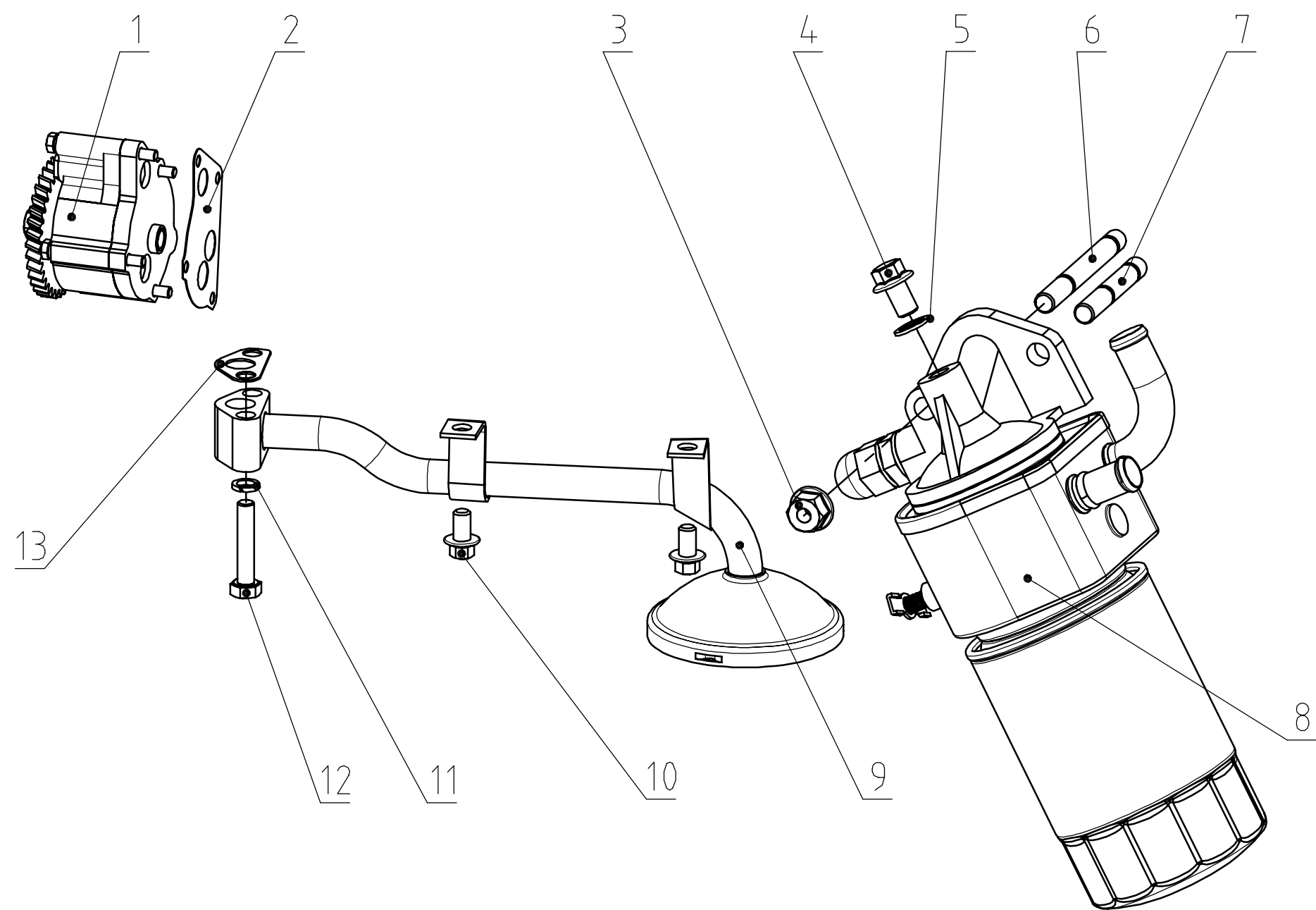
序号 Ref.No.	代号 Part No.	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	4L25V50-07001	进气管 Intake pipe		1
2.	4L28G75-07005	电子节气门 Electronic throttle		1
3.	K15-07104	进 气 管 接 头 垫 片 Air intake pipe connector gasket		2
4.	K15-07004-4	节气门接头 Throttle connector		1
5.	GB/T899-1988 AM8×55-8.8	螺柱 Stold		4
6.	GB/T6177.1-2000 M8	六角法兰面螺母 Hexagon flange nut		4



4L28V50-08000 排气系统总成

4L28V50-08000 排气系统总成 Exhaust system assembly

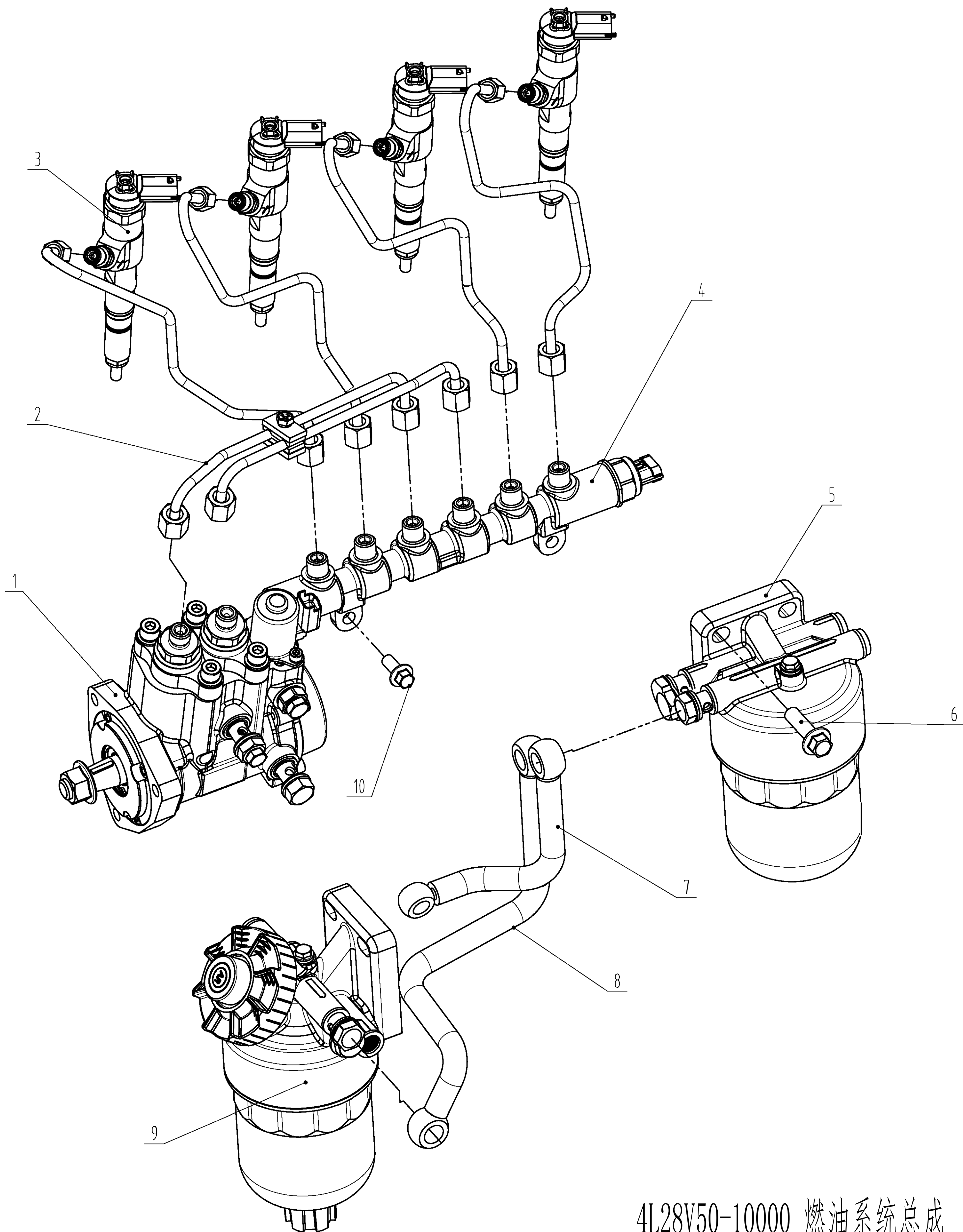
序号 ITEM	代号 PART NO	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	4L28G75-08001-1	排气管 Exhaust pipe		1
2.	GB/T16674. 1-2004 M8×32	螺栓 Bolt		2
3.	4L22BZ-03016	排气管螺柱 Exhaust pipe stud		2
4.	4L22BZ-08002	排气总管垫片 Exhaust main pipe gasket		1
5.	4T4G100-08011	M8 螺母 M8 nut		1
6.	4L28V50-08003	排气管接头 Exhaust pipe connector		1



4L28V50-09000 润滑系统总成

4L28V50-09000 润滑系统总成 Lubrication system assembly

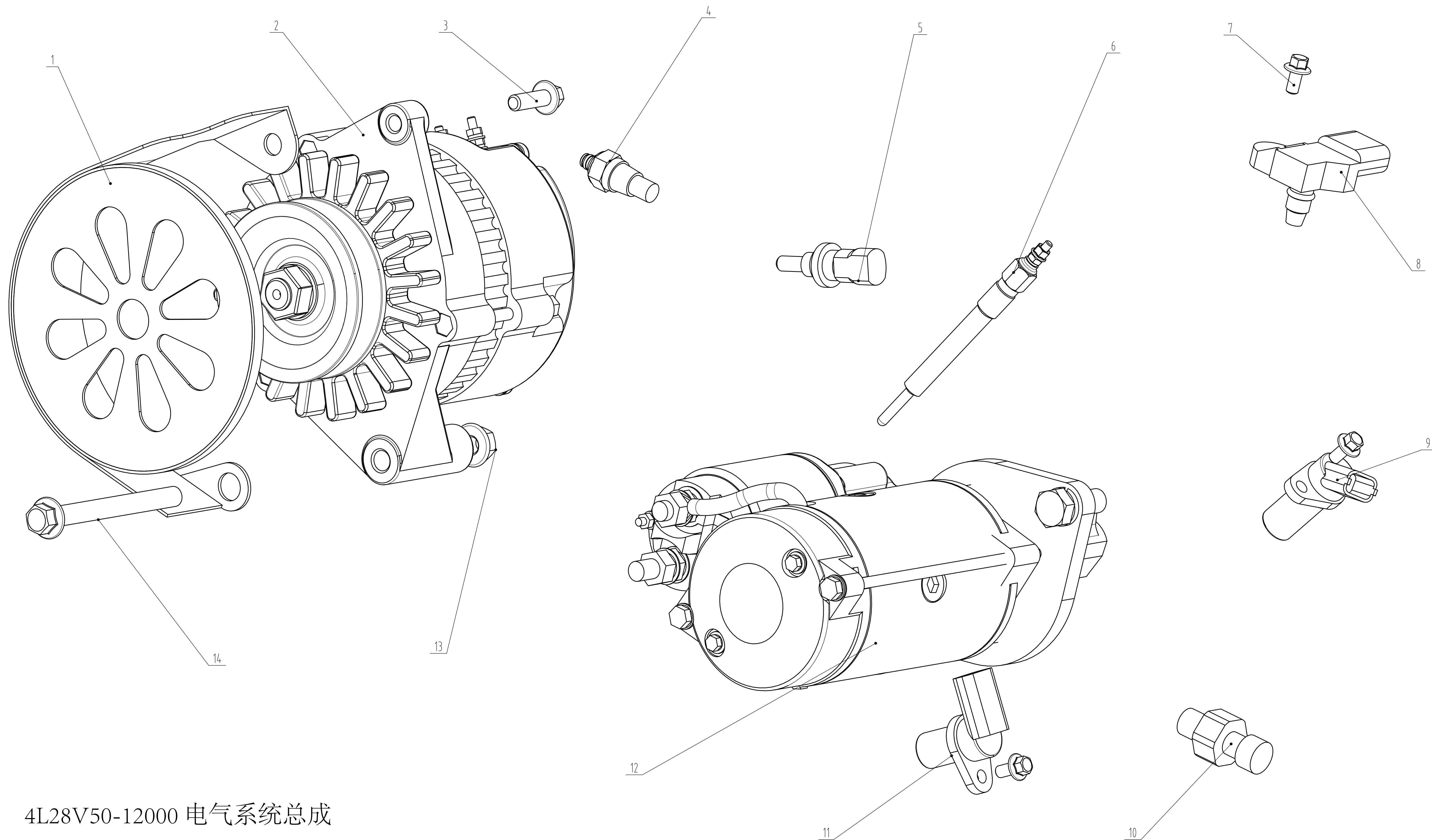
序号 Ref.No.	代号 Part No.	名称 Name of parts	DESCRIPTI ON	数量 QUANTITY
1.	4L28G75-09100	机油泵部件 Oil pump parts		1
2.	KM390BT-09002-1	机油泵垫片 Oil pump gasket		1
3.	GB/T6187.1-2000 M10	全金属六角法兰面锁紧螺母 All-metal hexagonal flange locking nut		2
4.	GB/T16674.2-2016 M10×1×16	六角法兰面螺栓 Hexagon flange bolt		1
5.	L480Q-01003	M10A 型组合垫 M10A combination pad		1
6.	GB/T898-1988 AM10×85-8.8	螺柱 Stud		1
7.	GB/T898-1988 AM10×60-8.8	螺柱 Stud		1
8.	4T4G50K-09300	机油滤清器部件 Oil filter parts		1
9.	KM490BT-09200	集滤器部件 Set filter parts		1
10.	GB/T16674.1-2004 M8×14	六角法兰面螺栓 Hexagon flange bolt		2
11.	GB/T93-1987 8	弹簧垫圈 Spring washer		1
12.	GB/T5783-2000 M8×40-8.8	螺栓 Bolt		2
13.	KM490BT-09001	集滤器垫片 Set filter pads		1



4L28V50-10000 燃油系统总成

4L28G75-10000 燃油系统总成 Fuel system assembly

序号 ITEM	代号 PART NO	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	4T4G100-10100S	高压油泵总成 High pressure oil pump assembly		1
2.	4T4G75-10200-2	高压油管部件 High-pressure tubing parts		1
3.	4T4G75-10300-1X	喷油器 Injector		4
4.	4T4G100-10800	油轨管总成 Oil rail assemblies		1
5.	4T4G100-10700	柴油滤清器（精滤） Diesel filter (fine filter)		1
6.	M10*35	螺栓 Bolt		2
7.	4L28G75-10802-1	柴滤至喷油泵油管 Firewood filter to oil injection pump oil pipe		1
8.	4L28G75-10803	油水分离器至柴滤油管 Oil-water separator to firewood filter pipe		1
9.	4T4G100-10520	油水分离器 Oil-water separator		1

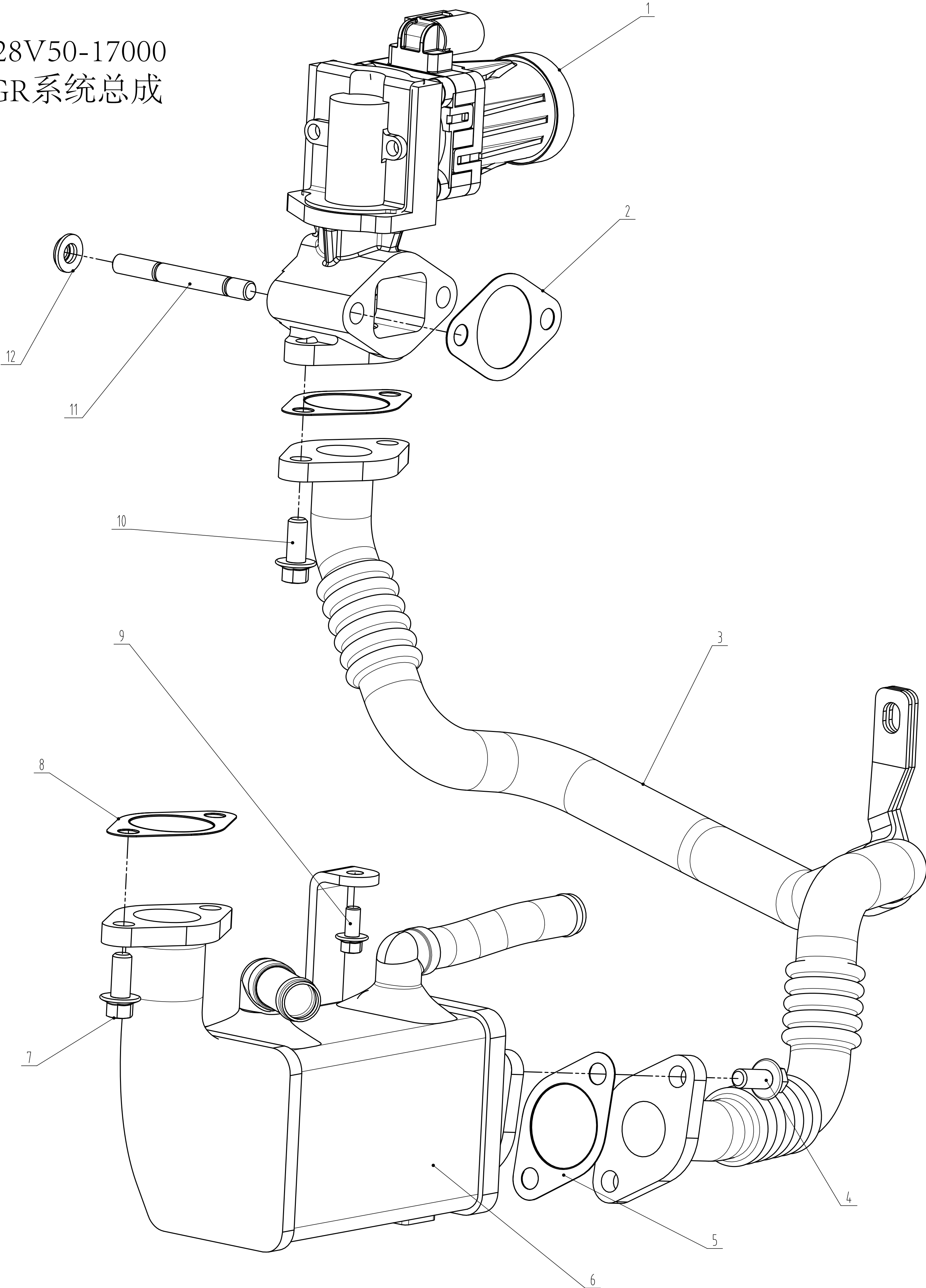


4L28V50-12000 电气系统总成

4L28V50-12000 电气系统总成 Electrical system assembly

序号 ITEM	代号 PART NO	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	3TE30-12101-3	发电机护罩 Generator shield		1
2.	3TE30-12100C	发电机 Generator		1
3.	M8*25	螺栓 Bolt		1
4.	L375-06206	水温感应塞 Water temperature sensor plug		1
5.	4L22CR-10905	水温传感器 Water temperature sensor		1
6.	4L28G75-12200	电热塞 Electrothermal plug		4
7.	M6*12	螺栓 Bolt		3
8.	46D-1026040	进气温压传感器 Inlet temperature and pressure sensor		1
9.	4L22CR-10902	转速传感器 Rotational speed sensor		1
10.	4T4G100-10903	机油压力传感器 Oil pressure sensor		1
11.	4L22R-10903	相位传感器 Phase sensors		1
12.	3TE30-12300-1C	起动机 Starter		1
13.	M10	螺母 Nut		1
14.	M10*100	螺栓 Bolt		1

4L28V50-17000
EGR系统总成



4L28V50-17000 EGR 系统总成 EGR system assembly

序号 ITEM	代号 PART NO	名称 Name of parts	DESCRIPTION	数量 QUANTITY
1.	4L28G75-17001-T	EGR 阀 EGR valve		1
2.	K15-17001	EGR 中冷器垫片 EGR chiller gasket		2
3.	4L25V50-17005	EGR 连接管 EGR connection tube		1
4.	GB/T 16674.1 M8×18	六角法兰面螺栓 Hexagon flange bolt		2
5.	K15-17001	EGR 中冷器垫片 EGR chiller gasket		1
6.	4L28G75-07003-1	EGR 冷却器 EGR cooler		1
7.	GB/T 16674.1 M8×18	六角法兰面螺栓 Hexagon flange bolt		2
8.	K15-17001	EGR 中冷器垫片 EGR chiller gasket		1
9.	GB/T 16674.1 M6×12	六角法兰面螺栓 Hexagon flange bolt		1
10.	GB/T 16674.1 M8×18	六角法兰面螺栓 Hexagon flange bolt		2
11.	GB/T 898 AM8×60	螺柱 Stold		2
12.	GB/T 6170.1 M8	螺母 Nut		2