

YC4F90-30(F51J1)柴油机

零件图册

Parts Catalogue of YC4F90-30(F51J 1) Diesel Engine

广西玉柴机器股份有限公司

Guangxi Yuchai Machinery Co., Ltd.

2008 年 4 月

April 2008

前言

Foreword

感谢您选用广西玉柴机器股份有限公司的产品，并感谢您阅读《YC4F90-30(F51J1)柴油机零件图册》！

Thanks for using Yuchai engine and reading the “Parts Catalogue of YC4F90-30(F51J1) Diesel Engine”!

玉柴的服务宗旨是：“倾我所有、尽我所能、竭诚用户、诚信天下”，为了更好地履行玉柴的服务宗旨，我们编印了 YC4F90-30(F51J1)柴油机零件图册》，希望本图册可以让用户更好地认识了解玉柴产品的结构与配置，方便用户使用、维修和购置零配件。

With the aim to fulfill our company service tenet, i.e. “striving all out to serve the customers, spending full sincerity to confidence the world”, we compiled and printed this “Parts Catalogue of YC4F90-30(F51J1) Diesel Engine”. We hope this “Parts Catalogue of YC4F90-30(F51J1) Diesel Engine” will help you to understand the structure and configuration of Yuchai’s YC4F90-30(F51J1) diesel engines, so to operate and maintain them easily.

本零件图册是根据 2008 年 4 月相关生产图样、资料编制而成的。图册中列出了 YC4F90-30(F51J1)柴油机的全部零部件目录。

This “Parts Catalogue of YC4F90-30(F51J1) Diesel Engine” is compiled by basing on the production samples and technical documents in April 2008, and covers the engine model of YC4F90-30(F51J1) diesel engine.

随着产品的不断改进提高和用户不断提出新的要求，《YC4F90-30(F51J1)柴油机零件图册》中的有关内容将会有不同程度的变更，玉柴保留在不预先通知的情况下进行修改的权利，具体配置情况应以当时产品技术文件为依据。

As production improvements and consumer’s requirements are constantly brought up, the content of this “Parts Catalogue of YC4F90-30(F51J1) Diesel Engine” must be changed at a certain extent, which Yuchai reserves the right to modify without formal notification beforehand. The engine’s idiographic configuration is according to its technical documents.

本零件图册编写不足之处在所难免，敬请多多指教，使之渐臻完善。谢谢！

Deficiencies may appear in this “Part Catalogue of YC4F90-30(F51J1) Diesel Engine”, and your comments and suggestions are appreciated honestly!

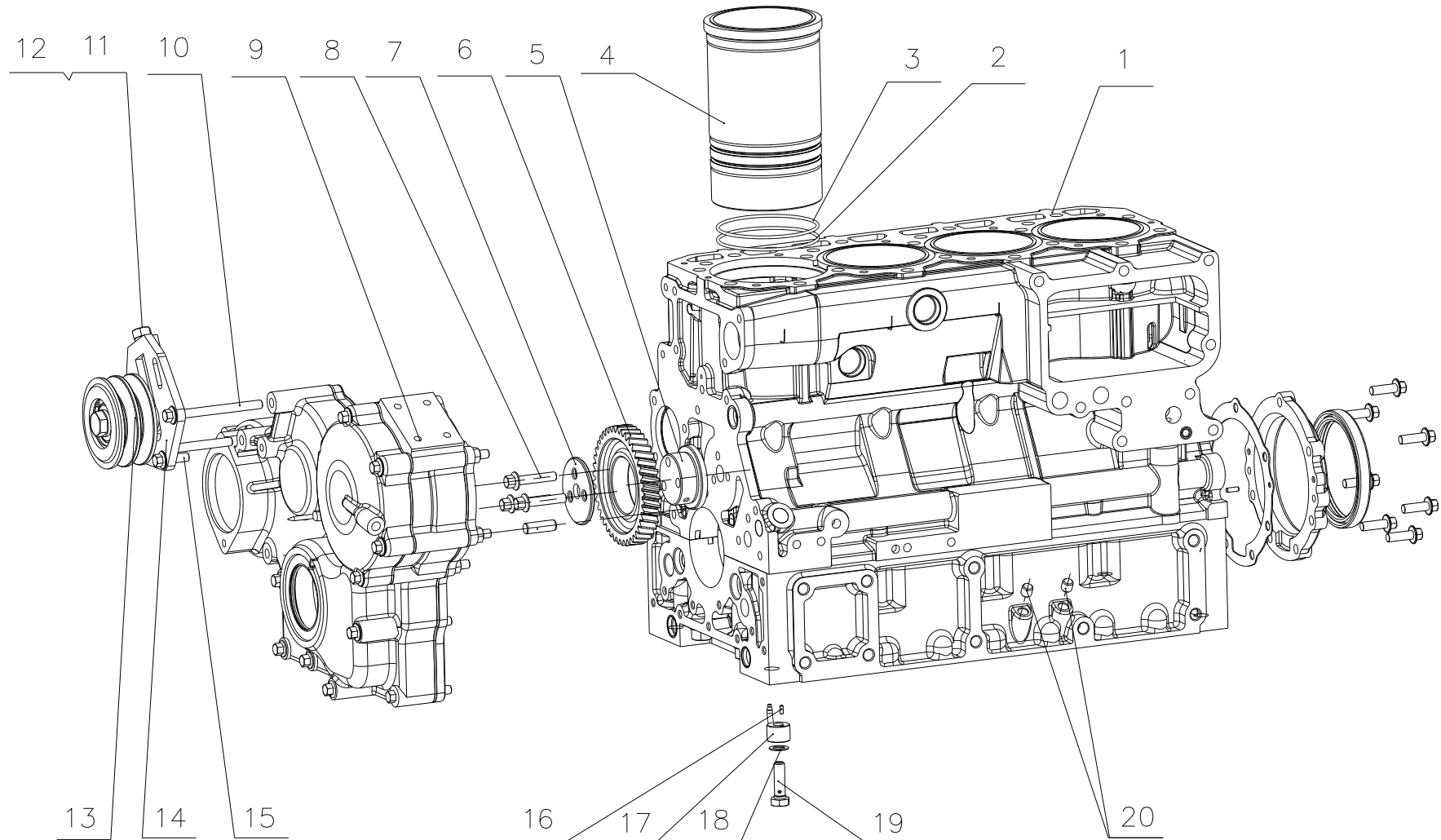
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Guangxi Yuchai Machinery Co. Ltd.

序号 Item	图 号 Part No.	名 称	Parts Name	页数 Page	备注 Remark
1	F50D1-1002000/05	气缸体总成	Cylinder Block Assembly		
2	F6000-1002100/04	气缸体部件	Cylinder Block Parts		
3	F50D1-1002200/08	齿轮室部件	Gear Housing Parts		
4	F5001-1003000/01	气缸盖及气缸盖罩总成	Cylinder Head & Cylinder Head Cover Assembly		
5	F5000-1004000/03	活塞及连杆总成	Piston& Connecting Rod Assembly		
6	F51J1-1005000/01	曲轴减振器总成	Crankshaft Vibration Damper Assembly		
7	F3700-1006000/05	凸轮轴总成	Camshaft Assemblby		
8	F3000-1007000/11	配气机构总成	Valve Train System Assembly		
9	F50D1-1008100/05& F50J1-1008500/03	进气管部件&进气接管 部件	Intake Pipe Parts & Intake Connecting Pipe Parts		
10	F30J1-1008200/06 F3000-1008400/05	排气管部件&排气管护 罩部件	Exhaust Pipe Parts & Exhaust Pipe Cover parts		
11	F31L1-1009000/03	油底壳总成	Oil Sump Assembly		
12	F39L1-1028000/01	油标尺总成	Oil Dipstick Assembly		
13	F3000-1010000A/05	机油集滤器总成	Oil Strainer Assemblby		
14	F3000-1011000/05	机油泵总成	Oil Pump Assembly		
15	186-1012000/04	机油滤清器	Oil Filter		
16	F50J1-1013000/04	机油冷却器总成	Oil Cooler Assembly		
17	F50D1-1014000/05	曲轴箱通风装置总成	Crankcase Ventilation Device Assembly		
18	F5000-1015000/06	发动机起动辅助装置总成	Engine Start Assist Equipment		
19	F50J1-1104000/05	供给系管路总成	Supply System Pipeline Assembly		

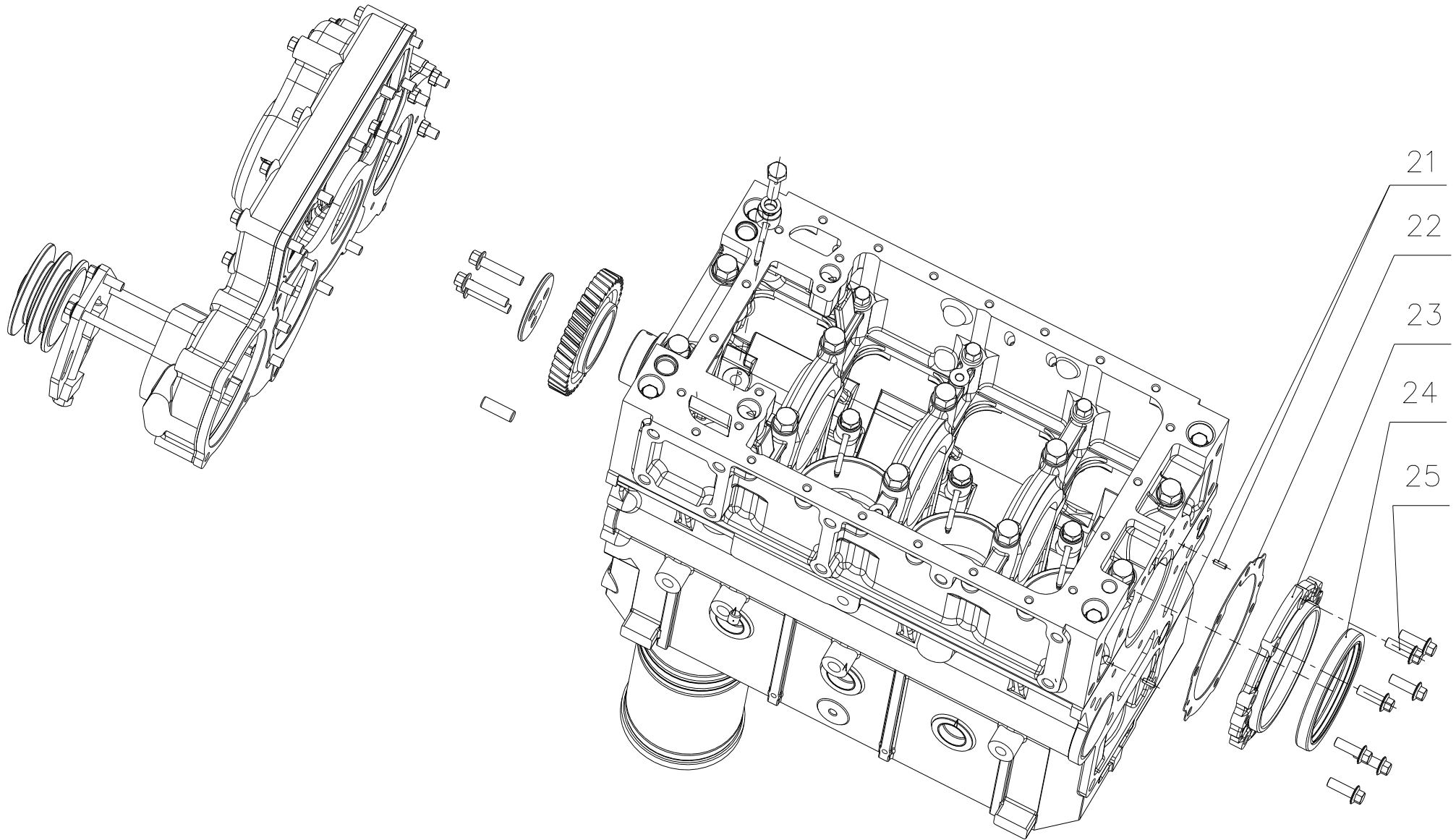
20	F50J1-1105000/09	柴油滤清器总成	Fuel Filter Assembly		
21	F5000-1111000/09	喷油泵总成	Injection Pump Assembly		
22	F5000-1112000/03	喷油器总成	Injector Assembly		
23	F51J1-1118000/01	增压器总成	Turbocharger Assembly		
24	231-1305000/06	放水开关	Water Drain Switch		
25	F50J1-1306000/07	调温器总成	Thermostat Assembly		
26	F31D1-1307000/04	水泵总成	Water Pump Assembly		
27	F30D3-1308000/03	风扇总成	Fan Assembly		
28	F51J2-1600000/01	动力输出总成	Power Output Assembly		
29	F50J1-3407000/01	转向泵总成	Steering Pump Assembly		
30	F50D1-3509000/03	气制动空气压缩机总成	Pneumatic Air Compressor Assembly		
31	F50J1-3701000/01	发电机总成	Alternator Assembly		
32	F7200-3708000/04	起动机总成	Starter Assembly		
33	F50J1-3800000/02	仪表、感应器总成	Instrument& Sensor Assembly		
34	F51J1-3823000/05	控制系统总成	Control System Assembly		
35	F30J1-1001000/01	发动机悬置总成	Engine Suspension Assembly		
36	F31N1-8104000/03	空调压缩机总成	Air Compressor Assembly		
37	F5100-3904000A/01	标牌总成	Nameplate Assembly		

EWP=Easy wear part (易损件)

F50D1-1002000/05 气缸体总成 (一) Cylinder Block Assembly



F50D1-1002000/05 气缸体总成 (二) Cylinder Block Assembly

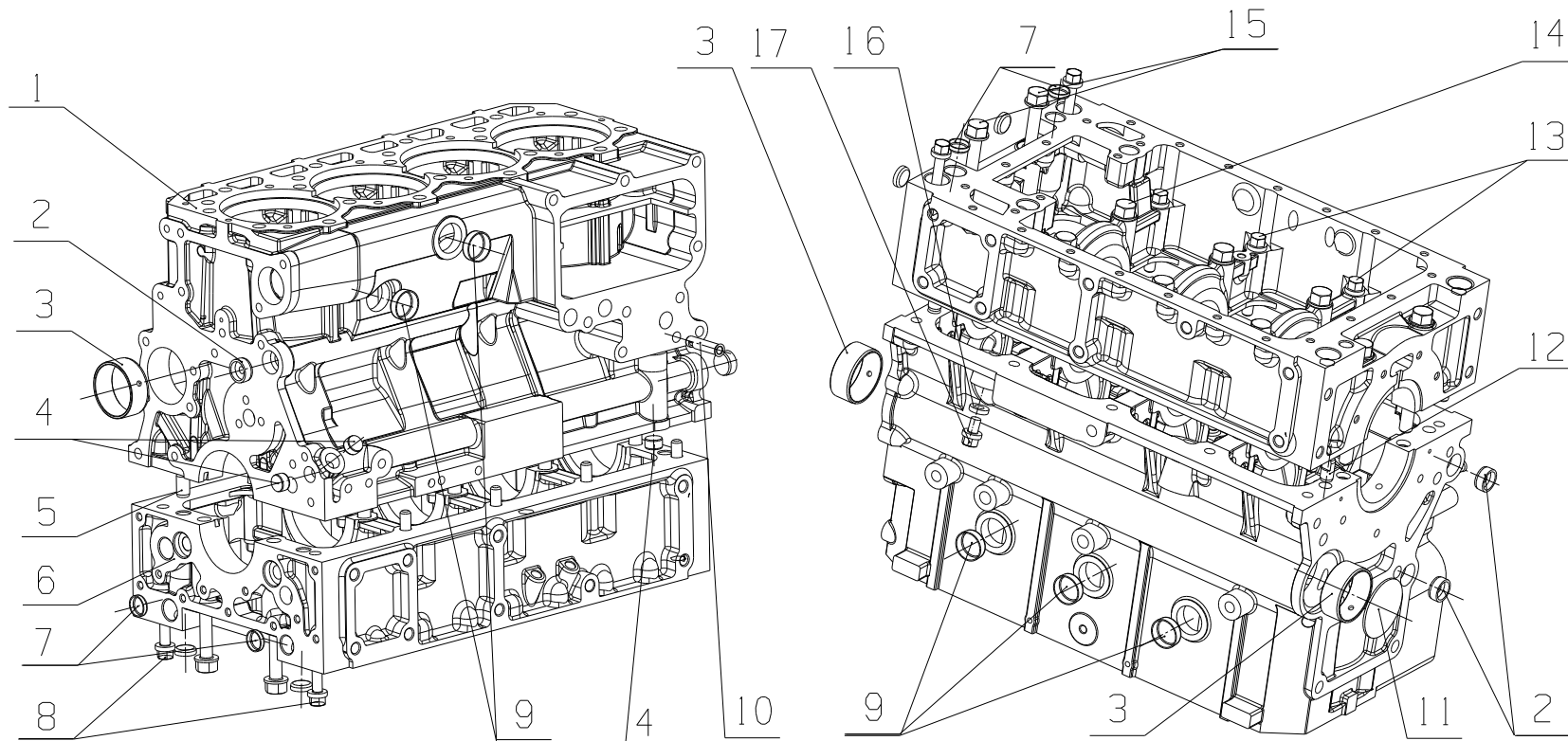


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1. F50D1-1002000 气缸体总成 Cylinder Block Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F6000-1002100	气缸体部件	Cylinder block parts	1	详见后页 Details see next page
2	F3000-1002107B	气缸套封水圈	Cylinder water seal ring	4	
3	F3000-1002107A	气缸套封水圈	Cylinder water seal ring	4	
4	F3000-1002106B	气缸套	Cylinder liner	4	易损件 EWP
5	F3000-1002306A	惰齿轮轴	Idle gear shaft	1	
6	F3000-1002360	惰齿轮组件	Idle gear subassembly	1	
7	F3000-1002307	惰齿轮挡板	Idle gear guard board	1	
8	Q/YC207-0840	螺栓	Bolt	3	
9	F50D1-1002200	齿轮室部件	Gear housing part	1	详见后页 Details see next page
10	Q1840890TF2	螺栓 M8X90	Bolt M8X90	2	
11	186-1002056A	调节螺栓	Adjusting bolt	1	
12	Q40310	垫圈 10	Lock Washer 10	1	
13	F3100-1002450	张紧皮带轮组件	Tension belt pulley subassembly	1	
14	F3100-1002441	支架	Bracket	1	
15	Q1840825TF2	螺栓 M8X25	Bolt M8X25	1	
16	YC24-B0308	圆柱销 B3X8	Straight pin B3X8	1	
17	F3000-1002740A	喷嘴组件	Nozzle subassembly	1	
18	430-1002163	垫圈	Washer	1	
19	430-1002162B	过油螺栓	Hollow bolt for oil	1	
20	6105Q-1002022	铝堵φ 10X10	Aluminum plug φ 10X10	2	
21	YC24-0412	圆柱销 4X12	Straight pin 4X12	2	
22	F3000-1002503	后油封座垫片	Rear oil seal seat gasket	1	易损件 EWP
23	F3000-1002501	曲轴后油封座	Crankshaft rear oil seal seat	1	
24	YC209-090110FL	油封 90×110	Oil seal 90×110	1	易损件 EWP
	YC209-B090110PL	油封 90×110	Oil seal 90×110	1	选装 Optional
25	Q1840825	螺栓 M8X25	Bolt M8X25	7	

EWP=Easy wear part (易损件)

F6000-1002100/04 气缸体部件 Cylinder Block Parts

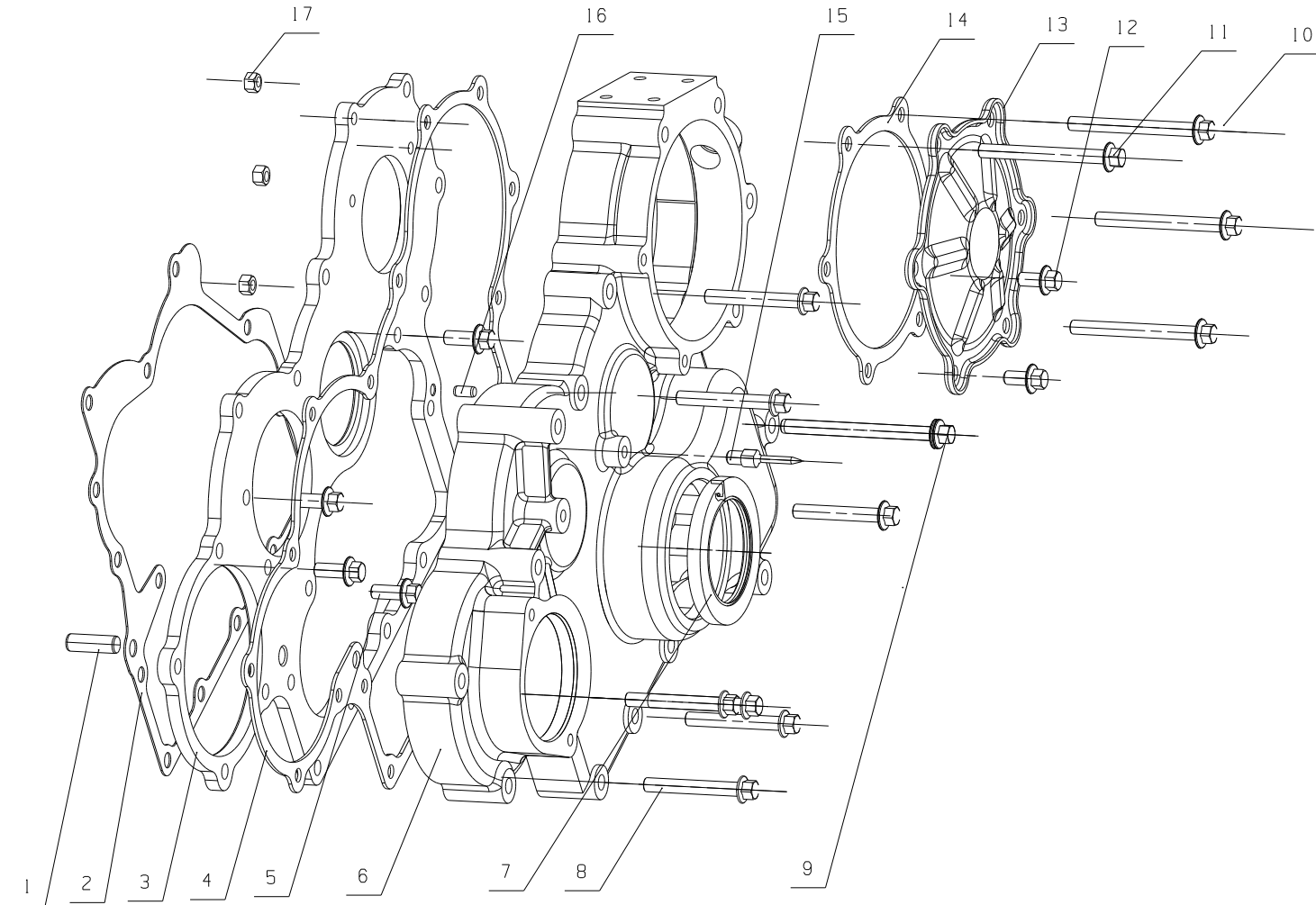


2. F6000-1002100/04 气缸体部件 Cylinder Block Parts

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1002114D	气缸体	Cylinder block	1	
	F3000-1002114D*	气缸体组件	Cylinder block subassembly	1	包 含 (including) 1、 3、5、6、8、9、 12、13、14、15
2	6105Q-1002069	后主油道堵塞	Rear main oil galley plug	3	
3	F3000-1002120	凸轮轴衬套	Camshaft sleeve	5	
4	F3000-1002110	主油道密封塞	Main oil gallery seal plug	3	
5	YC24-1218	圆柱销 12X18	Straight pin 12X18	1	
6	F3000-1002123C	曲轴箱	Crankshaft tank	1	
7	Q72220	碗形塞片 20	Bowl-type spacer 20	4	
8	F3000-1002127B	主轴承盖长副螺栓	Main bearing cap long bolt	4	
9	Q72228	碗形塞片 28	Bowl-type spacer 28	5	
10	F3000-1012001	泄油导管	Oil drain guide pipe	1	
11	Q72158	塞片 58	Spacer 58	1	
12	F3000-1002162A	定位菱销	Positioning pin	1	
13	F3000-1002126A	主轴承盖短副螺栓	Main bearing cap short bolt	6	
14	F3000-1002118A	主轴承盖螺栓	Main shaft cap bolt	6	
15	F3000-1003002A	气缸盖长螺栓	Cylinder head long bolt	4	
16	Q/YC901-3C14	垫圈 14	Washer 14	1	
17	A7100-14991-0	堵塞	Plug	1	

EWP=Easy wear part (易损件)

F50D1-1002200/08 齿轮室部件 Gear Housing Parts

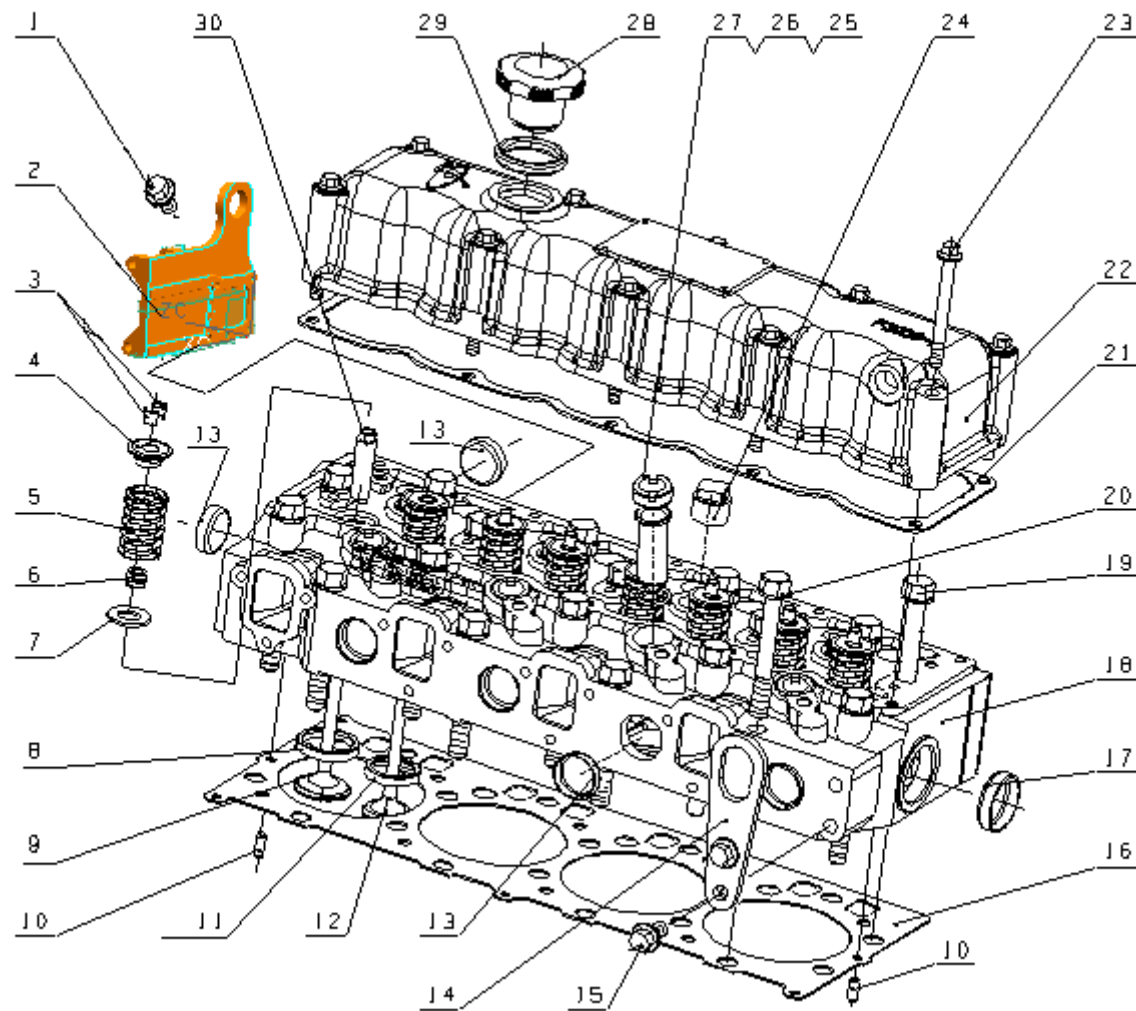


3. F50D1-1002200/08 齿轮室体部件 Gear Housing Parts

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3100-1002127	扁销	Flat pin	1	
2	F3100-1002202	齿轮室盖板垫片	Gear housing cover plate gasket	1	易损件 EWP
3	F5000-1002203A	齿轮室盖板	Gear housing cover plate	1	
4	F3100-1002204	齿轮室盖垫片	Gear housing cover gasket	1	易损件 EWP
5	Q1840820TF2	螺栓 M8×20	Bolt	4	
6	F50D1-1002201A	齿轮室	Gear house	1	
7	YC209-055080FR	油封 55×80	Oil seal 55×80	1	
	YC209-B055080PR	油封 55X80	Oil seal 55X80	1	选装 Optional
8	Q1840855	螺栓 M8×55	Bolt	7	
9	Q1840895	螺栓 M8×95	Bolt	2	
10	Q1840880	螺栓 M8X80	Bolt M8X80	3	
11	Q1840870	螺栓 M8X70	Bolt M8X70	1	
12	Q1840816	螺栓 M8X16	Bolt M8X16	2	
13	F5000-1002205	喷油泵齿轮盖	Injection pump gear cover	1	
14	F3100-1002206	喷油泵齿轮盖垫片	Injection pump gear cover gasket	1	易损件 EWP
15	F3000-1002207A	上止点指针	TDC pointer	1	
16	YC24-0616	圆柱销 6X16	Straight pin 6X16	1	
17	Q32008	螺母 M8	Nut M8	3	

EWP=Easy wear part (易损件)

F5001-1003000/01 气缸盖及气缸盖罩总成 Cylinder Head& Cylinder Head Cover Assembly



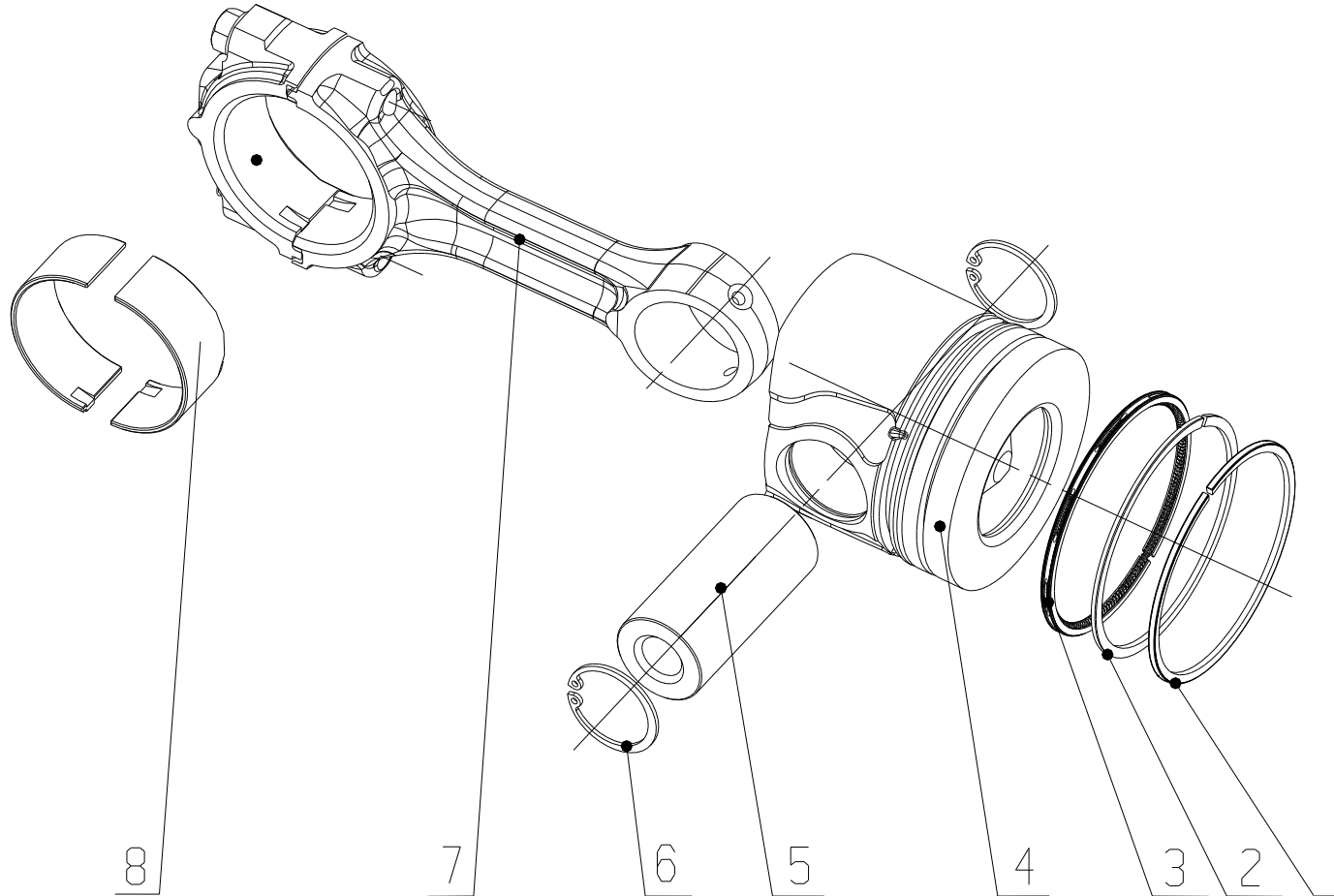
4、F5001-1003000/01 气缸盖及气缸盖罩总成 Cylinder Head& Cylinder Head Cover Assembly

序号 No.	图号 Part No.	名称	Name	数量 Qty.	备注 Remark
1	Q1840825TF2	螺栓 M8X25	Bolt M8×25	5	
2	F31N1-8104007A	空调机支架	Air conditioner bracket	1	
3	F3000-1003109	气门锁夹	Valve stem locks	16	
4	F3000-1003116	气门弹簧上座	Valve spring upper seat	8	
5	F3000-1003106S	气门弹簧	Valve spring	8	
6	L3000-1003105	气门杆油封	Valve stem seal	8	
7	F3000-1003121	旋转垫片	Rotary spacer	8	
8	F3000-1003112	进气门座圈	Intake valve seat ring	4	易损件 EWP
9	F3000-1003111A	进气门	Intake valve	4	
10	Q5210616	圆柱销 6×16	Straight pin 6×16	2	
11	F3000-1003102A	排气门座圈	Exhaust valve seat ring	4	易损件 EWP
12	F3000-1003103B	排气门	Exhaust valve	4	
13	Q72232	碗形塞片 32	Bowl-type spacer 32	6	
14	F3400-1003151	后吊耳	Rear lifter	1	
15	Q1841022TF2	螺栓 M10×22	Bolt M10×22	2	
16	F3000-1003001A	气缸盖垫片	Cylinder head gasket	1	易损件 EWP; 选装 optional
	F3000-1003001A-264	气缸盖垫片	Cylinder head gasket	1	易损件 EWP; 选装 optional
	F3000-1003001A-B28	气缸盖垫片	Cylinder head gasket	1	易损件 EWP; 选装 optional
17	Q72240	碗形塞片 40	Bowl-type spacer 40	1	
18	F5000-1003101	气缸盖	Cylinder head	1	
	F5000-1003101*	气缸盖	Cylinder head	1	包括 including 8, 10, 11, 13, 14, 17, 18, 21, 23, 25
19	F3000-1003002A	气缸盖长螺栓	Cylinder head long bolt	14	
20	F3000-1003003A	气缸盖短螺栓	Cylinder head short bolt	4	
21	F3000-1003201B	气缸盖罩垫片	Cylinder head cover gasket	1	易损件 EWP
22	F3000-1003241C	气缸盖罩	Cylinder head cover	1	
23	Q1840880	螺栓 M8×80	Bolt M8×80	10	
24	Q614B06	方头锥形螺塞 NPT 3/4	Square taper screw plug NPT 3/4	4	易损件 EWP
25	YC208-B01800S	O 形密封圈 2.65×18	Seal O-ring 2.65×18	4	易损件 EWP
26	F3000-1003119	喷油器镶套	Injector bordered sleeve	4	
27	F3000-1003171	螺套	Screw sleeve	4	
28	150-1003041F	加机油口盖	Oil filler cover	1	易损件 EWP
29	150-1003043C	密封圈	Seal ring	1	易损件 EWP

30	F3000-1003104SF1	气门导管	https://truckmanualshub.com/ Valve guide pipe	8	
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EWP=Easy wear part (易损件)

F5000-1004000/03 活塞及连杆总成 Piston& Connecting Rod Assembly

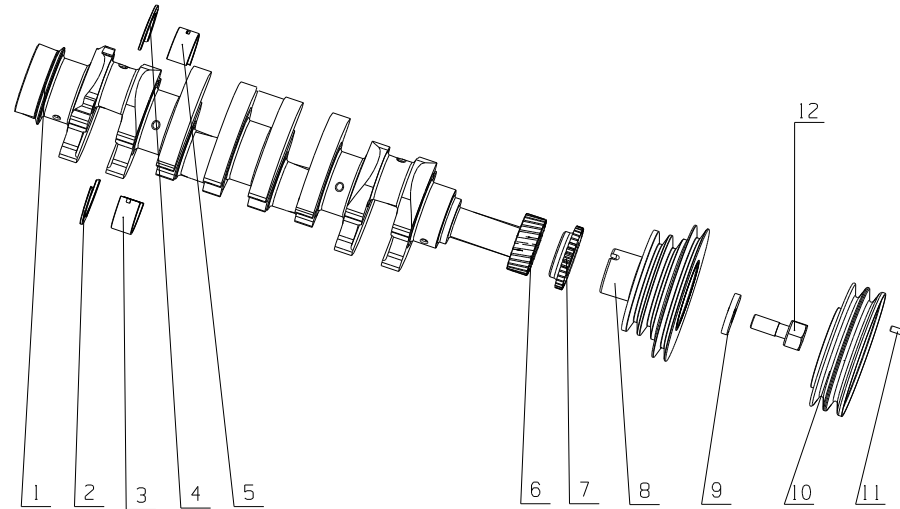


5. F5000-1004000/03 活塞及连杆总成 Piston& Connecting Rod Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1004002A	气环	Gas ring	4	易损件 EWP
2	F3000-1004003A	刮油环	Fuel Scrap ring	4	易损件 EWP
3	F3000-1004100A	油环部件	Fuel ring parts	4	易损件 EWP
	F3000-1004002A*	活塞环总成	Piston ring assembly	1	
4	F3000-1004001A	活塞	Piston	4	易损件 EWP
5	F3000-1004004B	活塞销	Piston pin	4	
6	Q43034	挡圈 34	Retainer 34	8	
7	F3000-1004200C	连杆部件	Connecting rod part	4	
8	F7000-1004005	连杆轴瓦	Connecting rod shaft shell	8	易损件 EWP

EWP=Easy wear part (易损件)

F51J1-1005000/01 曲轴减振器总成 Crankshaft Vibration Damper Assembly

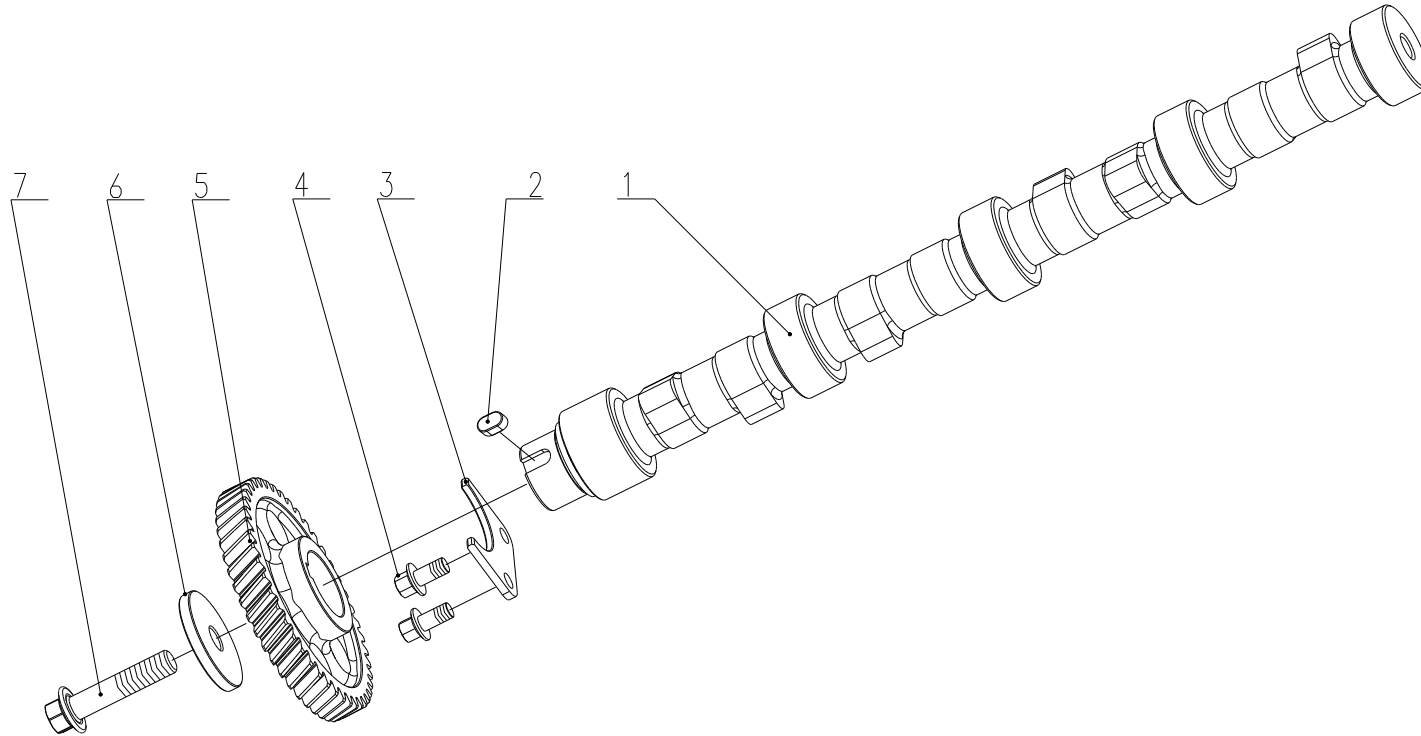


6. F51J1-1005000/01 曲轴减振器总成 Crankshaft Vibration Damper Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1005001D	曲轴	Camshaft	1	
2	F7000-1005008	下止推片	Lower thrust plate	2	易损件 EWP
3	F7000-1005006	下主轴瓦	Lower main bearing	5	易损件 EWP
4	F7000-1005007	上止推片	Upper thrust plate	2	易损件 EWP
5	F7000-1005005A	上主轴瓦	Upper main bearing	5	易损件 EWP
6	F3000-1005002A	曲轴正时齿轮	Chrankshaft timing gear	1	
7	F3000-1005066A	机油泵驱动齿轮	Oil pump drive gear	1	
8	F3000-1005140C	减振器组件	Vibration damper parts	1	
9	F3000-1005012A	皮带轮螺栓垫片	Pulley bolt gasket	1	
10	F31N1-1005016A	附加皮带轮	Additional pulley	1	
11	Q1840816TF2	螺栓 M8X16	Bolt M8X16	4	
12	F3000-1005014B	曲轴皮带轮螺栓	Crankshaft pulley bolt	1	

EWP=Easy wear part (易损件)

F3700-1006000/05 凸轮轴总成 Camshaft Assembly

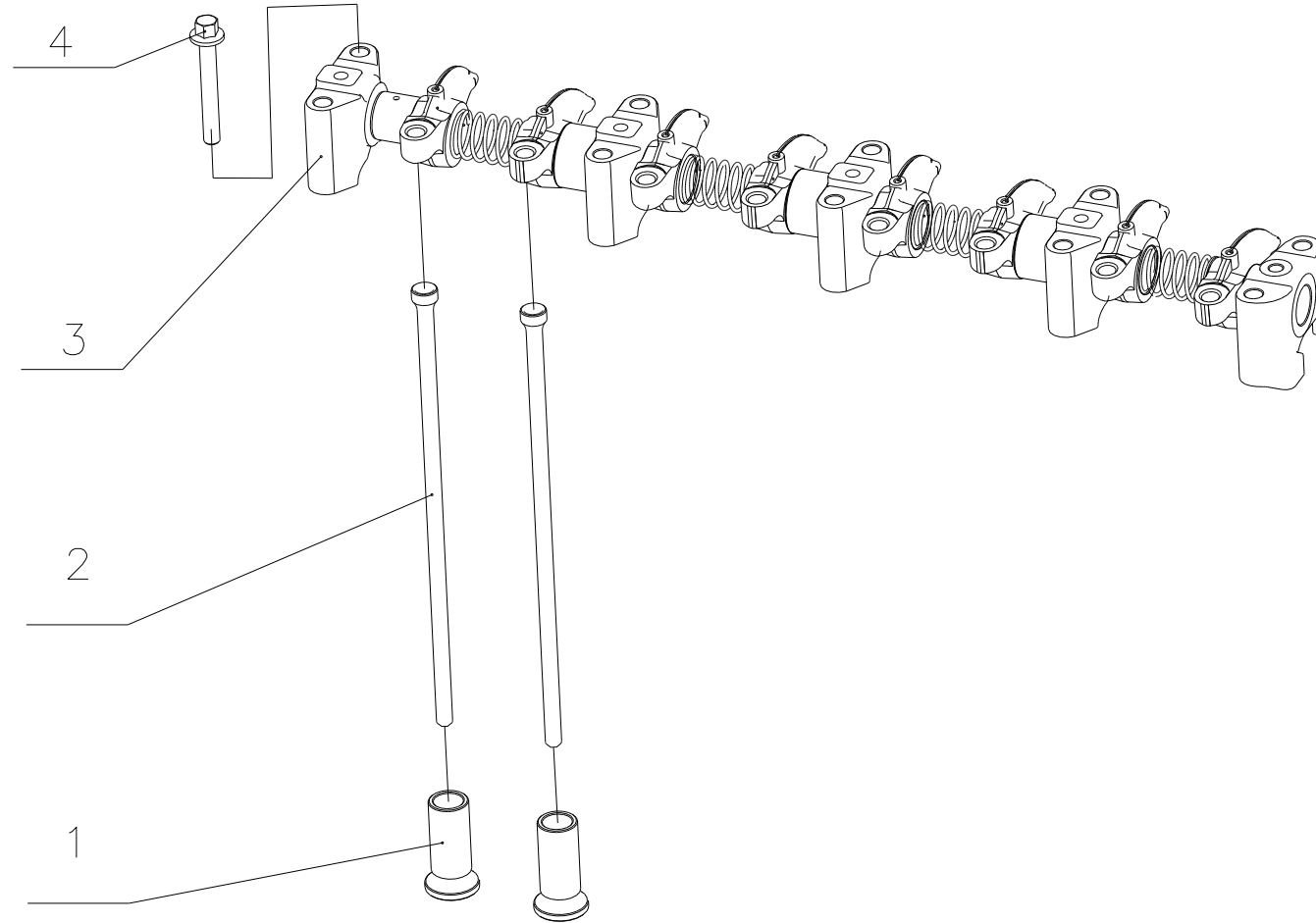


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7. F3700-1006000/05 凸轮轴总成 Camshaft Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1006001B	凸轮轴	Camshaft	1	
2	Q5510814	键 8X14	Key 8X14	1	
3	F3000-1006003	凸轮轴止推片	Camshaft thrust plate	1	
4	Q/YC207-0816	螺栓 M8X16	Bolt M8X16	2	
5	F3000-1006002B	凸轮轴正时齿轮	Camshaft timing gear	1	
6	F3000-1006006	垫圈	Washer	1	
7	F3000-1006007	凸轮轴螺栓	Camshaft bolt	1	

EWP=Easy wear part (易损件)

F3000-1007000/11 配气机构总成 Valve Train System Assembly



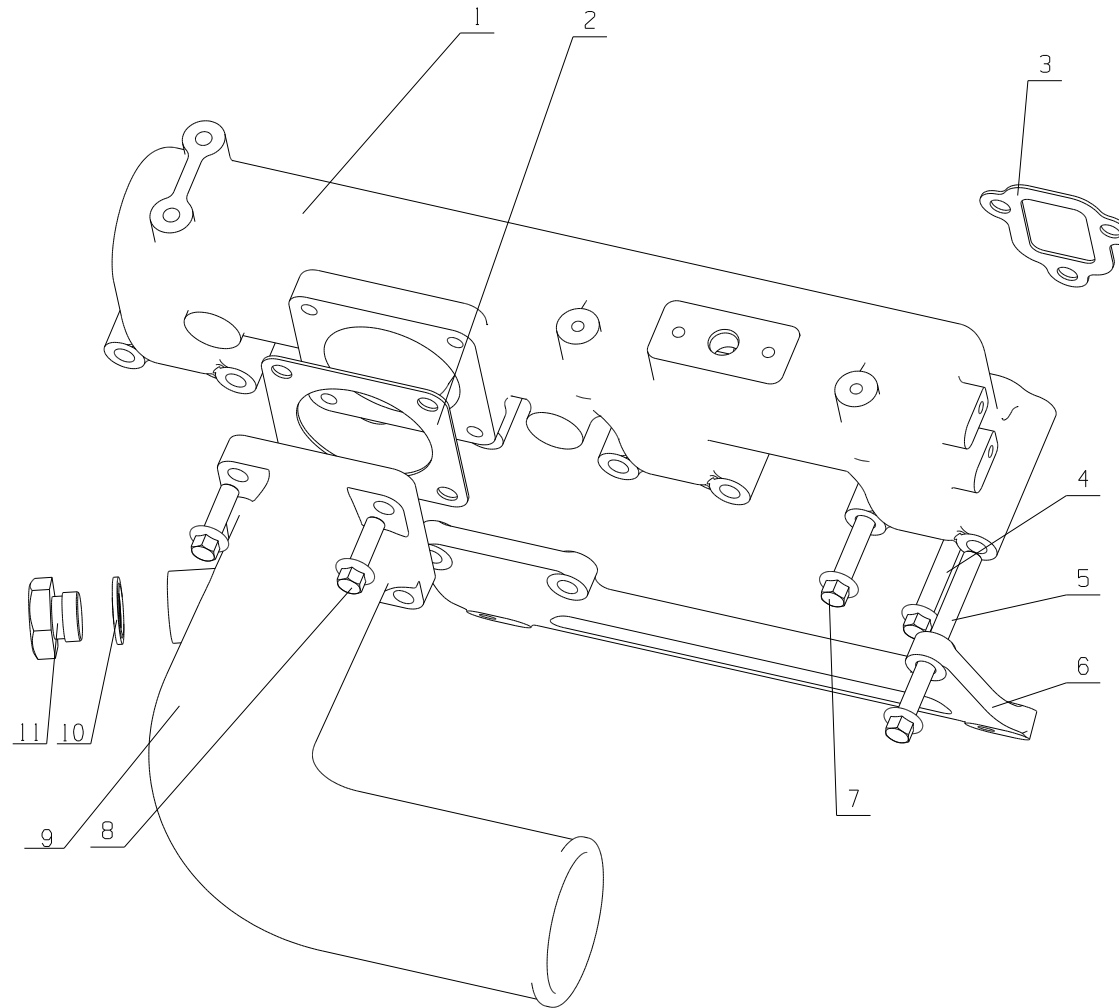
8. F3000-1007000/11 配气机构总成 Valve Train System Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1007001A	挺柱	Tappet	8	
2	F3000-1007002A	推杆	Push rod	8	
3	F3000-1007100F	摇臂轴部件	Rocker arm shaft parts	1	
4	Q/YC207-0860	螺栓	Bolt	10	

EWP=Easy wear part (易损件)

F50D1-1008100/05& F50J1-1008500/03 进气管部件&进气接管部件

Intake Pipe Parts & Intake Connecting Pipe Parts



9. F50D1-1008100/05& F50J1-1008500/03 进气管部件&进气接管部件

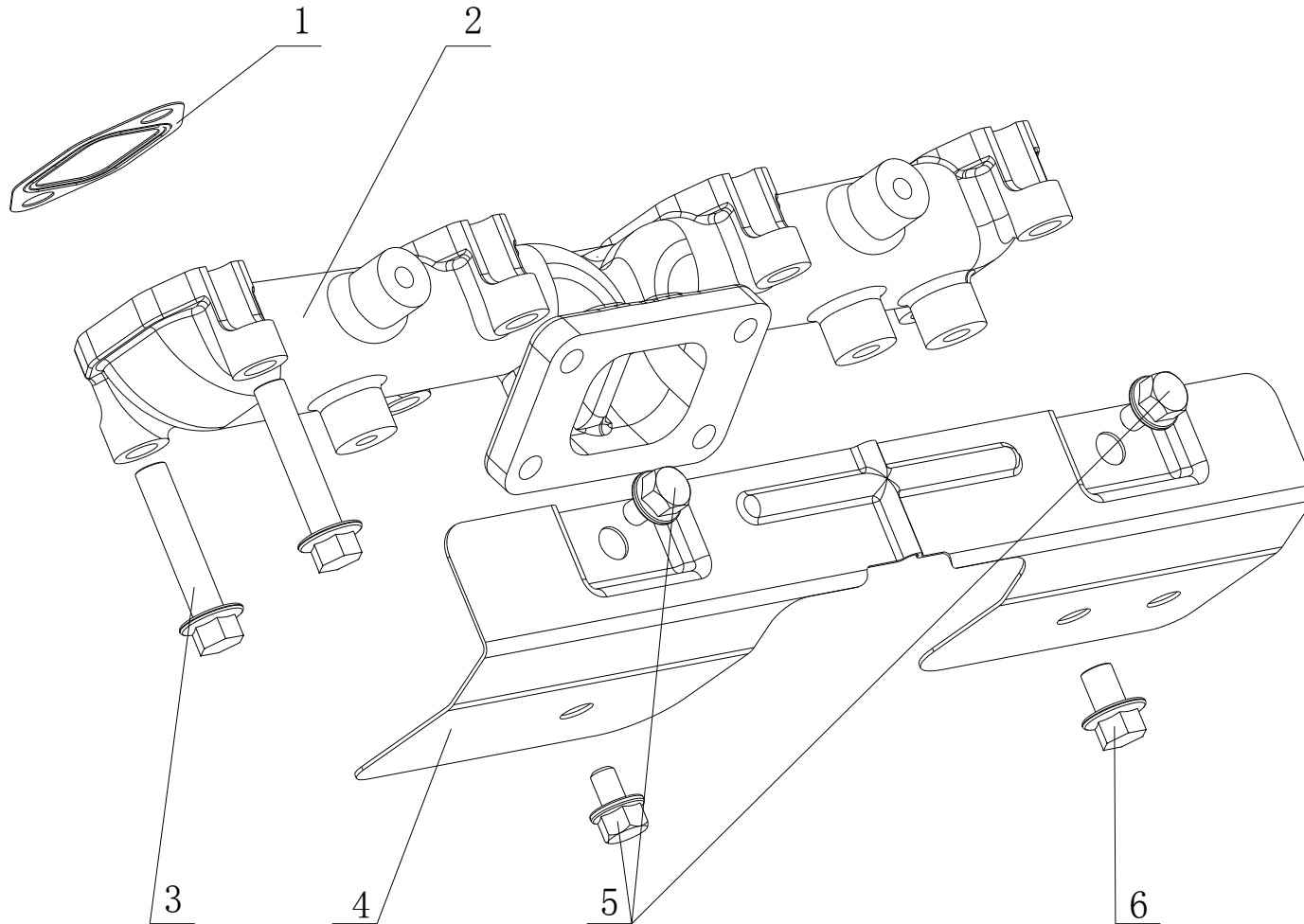
Intake Pipe Parts & Intake Connecting Pipe Parts

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F5000-1008101D	进气管	Intake pipe	1	
2	F3000-1008105A	进气接管垫片	Intake connecting pipe gasket	2	易损件 EWP
3	F3000-1008104A	进气管垫片	Intake pipe gasket	4	易损件 EWP
4	Q1840855	螺栓 M8X55	Bolt M8x55	4	
5	Q1840895	螺栓 M8X95	Bolt M8X95	3	
6	F5000-1111201	支架	Bracket	1	
7	Q1840885	螺栓 M8X85	Bolt M8X85	5	
8	Q1200850TF2	螺柱 M8X50	Bolt M8X50	4	
9	F7000-1008102A	进气接管	Intake connecting pipe	1	
10	Q/YC149-20	复合式密封垫圈 20	Compound Seal washer 20	2	易损件 EWP
11	Q/YC198-20	螺塞 M20X1.5	Plug M20x1.5	2	

EWP=Easy wear part (易损件)

F30J1-1008200/06 F3000-1008400/05 排气管部件&排气管护罩部件

Exhaust Pipe Parts & Exhaust Pipe Cover Parts



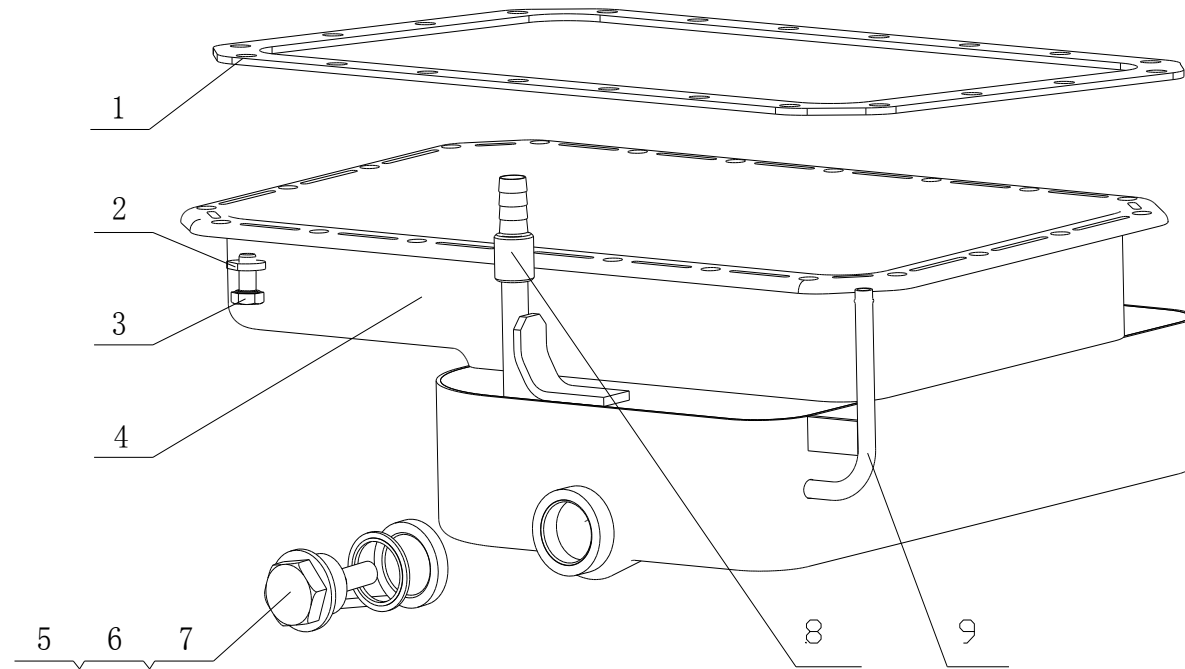
10. F30J1-1008200/06 F3000-1008400/05 排气管部件&排气管护罩部件

Exhaust Pipe Parts & Exhaust Pipe Cover Parts

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	FB200-1008250	排气管垫片组件	Exhaust pipe gasket subassembly	4	易损件 EWP
2	F3000-1008204D	排气管	Exhaust pipe	1	
3	Q1841050TF2	螺栓 M10X50	Bolt M10X50	8	
4	F3000-1008211B	排气管罩	Exhaust pipe cover	1	
5	Q1840812TF2	螺栓 M8X12	Bolt M8X12	3	
6	Q1841014TF2	螺栓 M10X14	Bolt M10X14	1	

EWP=Easy wear part (易损件)

F31L1-1009000/03 油底壳总成 Oil Sump Assembly

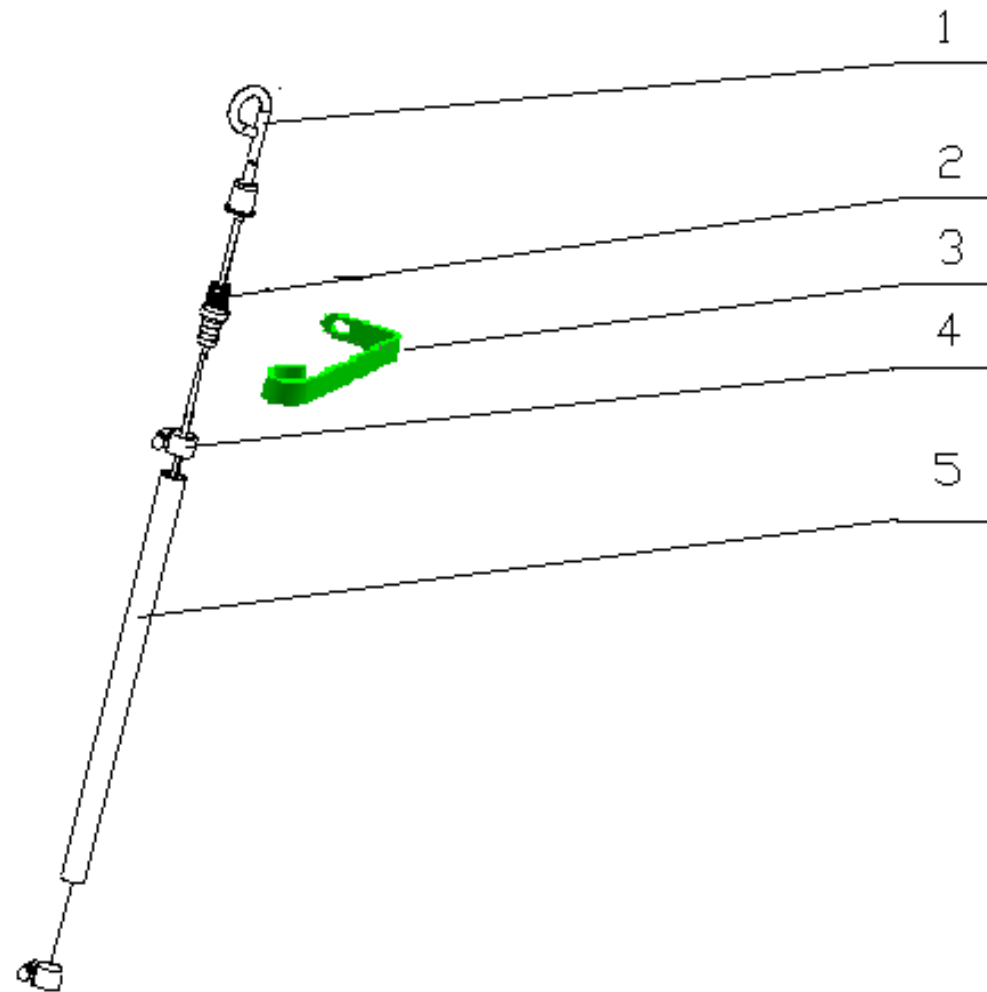


11. F31L1-1009000/03 油底壳总成 Oil Sump Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1009001	油底壳垫片	Oil sump gasket	1	易损件 EWP
2	D30-1009102A	垫圈	Washer	22	
3	Q150B0816TF2	螺栓 M8X16	Bolt M8X16	22	
4	F31L1-1009040A	油底壳组件	Oil sump assembly	1	
5	6105Q-1009031C	放油塞	Oil drain plug	1	
6	6105Q-1009032A	放油塞磁铁	Oil drain plug magnet	1	
7	Q/YC149-27	复合式密封垫圈 27	Compound seal washer 27	1	易损件 EWP
8	155-1009026	油标尺套管接头	Oil dipstick sleeve joint	1	
9	F3000-1009046A	回油管	Oil return pipe	1	

EWP=Easy wear part (易损件)

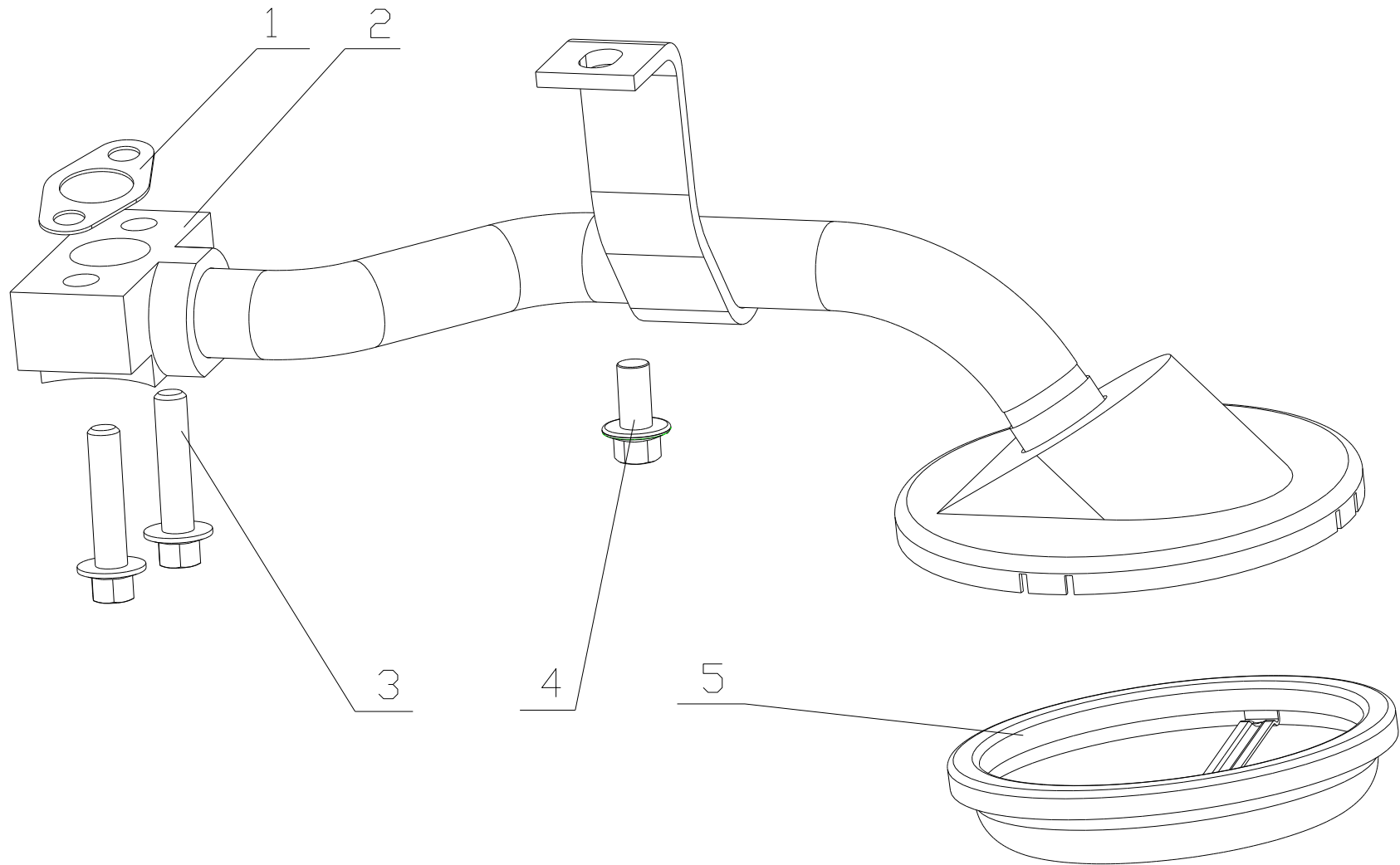
F39L1-1028000/01 油标尺总成 Oil Dipstick Assembly



12. F39L1-1028000/01 油标尺总成 Oil Dipstick Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	M32B1-1009080A	油标尺焊接件	Oil dipstick weldment	1	
2	155-1009043B	油标尺座	Oil dipstick seat	1	
3	F31L1-1009008A	油标尺管夹	Oil dipstick pipe clamp	1	
4	Q67616	环箍 16	Loop hoop 16	2	
5	F30SA-1009047	油标尺套管	Oil dipstick sleeve	1	

F3000-1010000A/05 机油集滤器总成 Oil Strainer Assembly

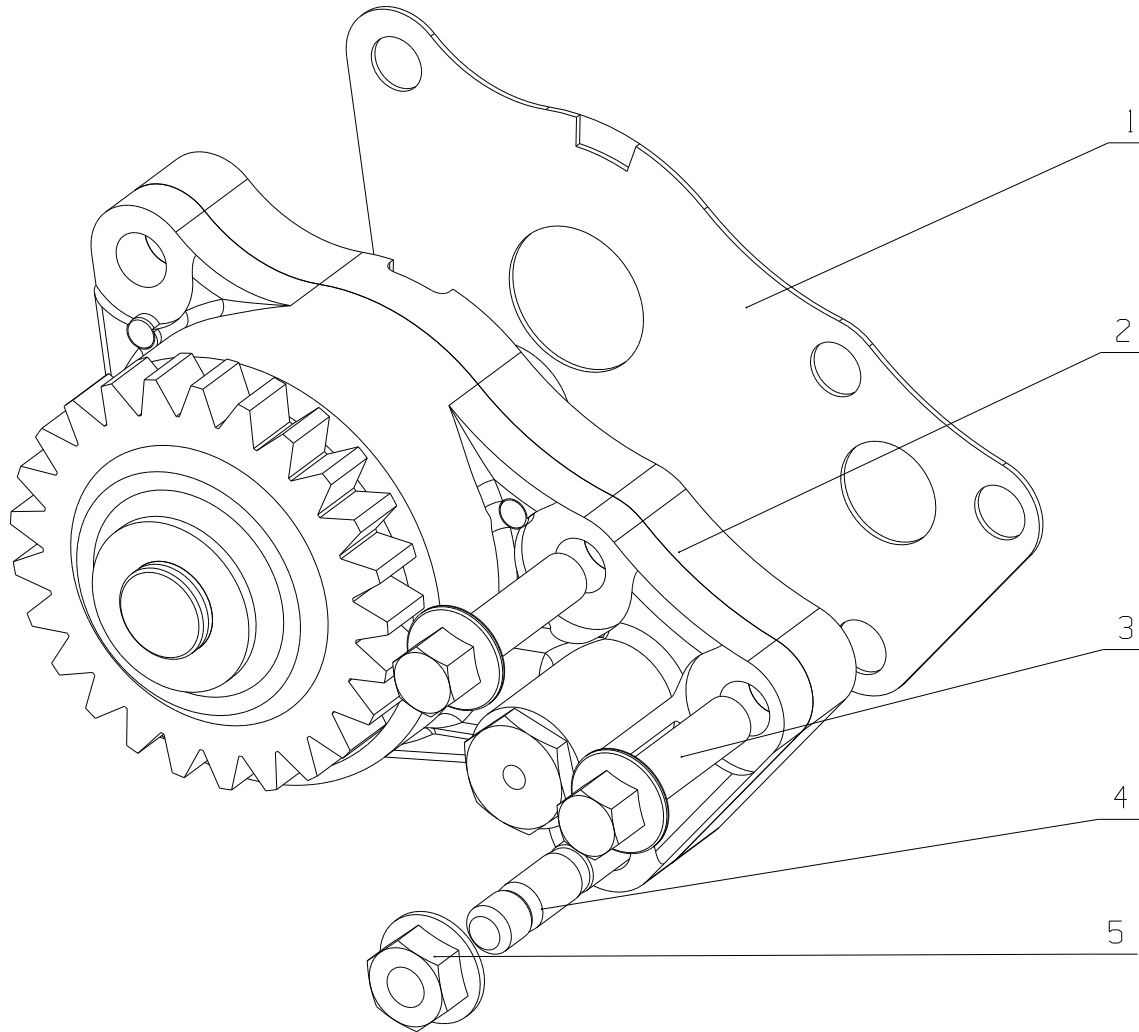


13. F3000-1010000A/05 机油集滤器总成 Oil Strainer Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1010003C	集滤器垫片	Oil strainer spacer	1	
2	F3000-1010100D	吸油管焊接件	Oil suction pipe weldment	1	
3	Q/YC207-0830	螺栓	Bolt	2	
4	Q/YC207-0816	螺栓	Bolt	1	
5	530-1010030	滤网组件	Filter screen subassembly	1	

EWP=Easy wear part (易损件)

F3000-1011000/05 机油泵总成 Oil Pump Assembly

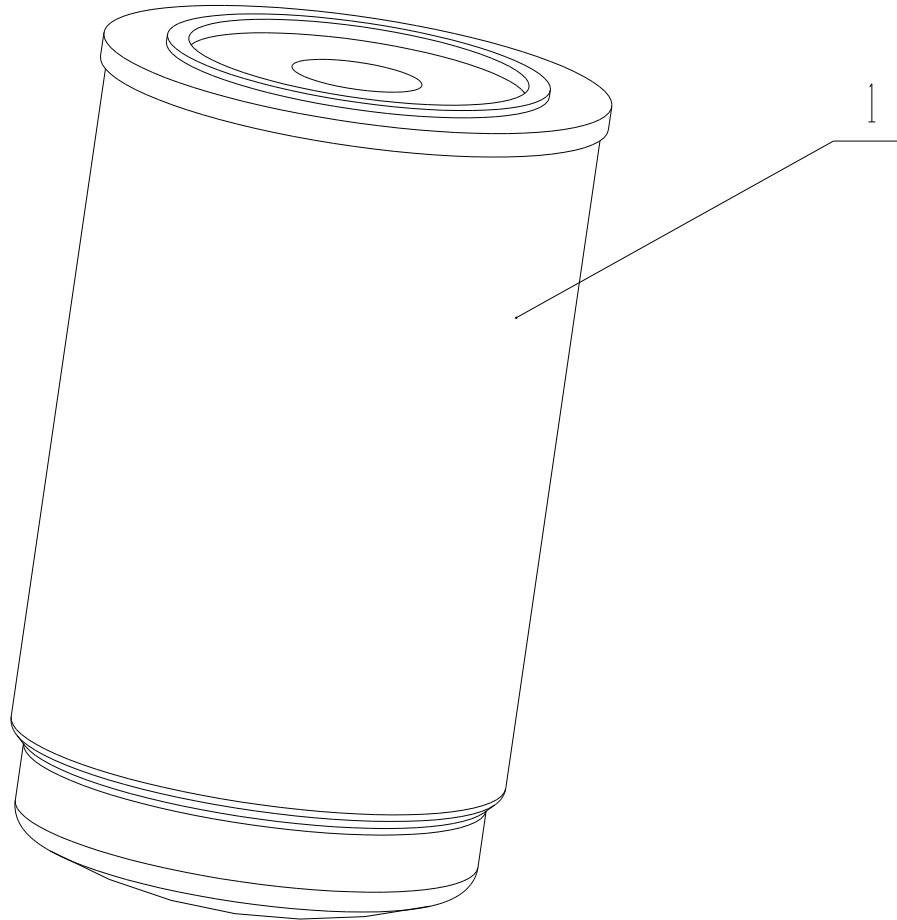


14. F3000-1011000/05 机油泵总成 Oil Pump Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1011007	机油泵垫片	Oil pump gasket	1	易损件 EWP
2	F3000-1011100	机油泵部件	Oil pump parts	1	
3	Q/YC207-0830	螺栓	Bolt	4	
4	Q1200830TF2	螺柱 M8X30	Stud M8X30	1	
5	Q32008	螺母 M8	Nut M8	1	

EWP=Easy wear part (易损件)

186-1012000/04 机油滤清器 Oil Filter

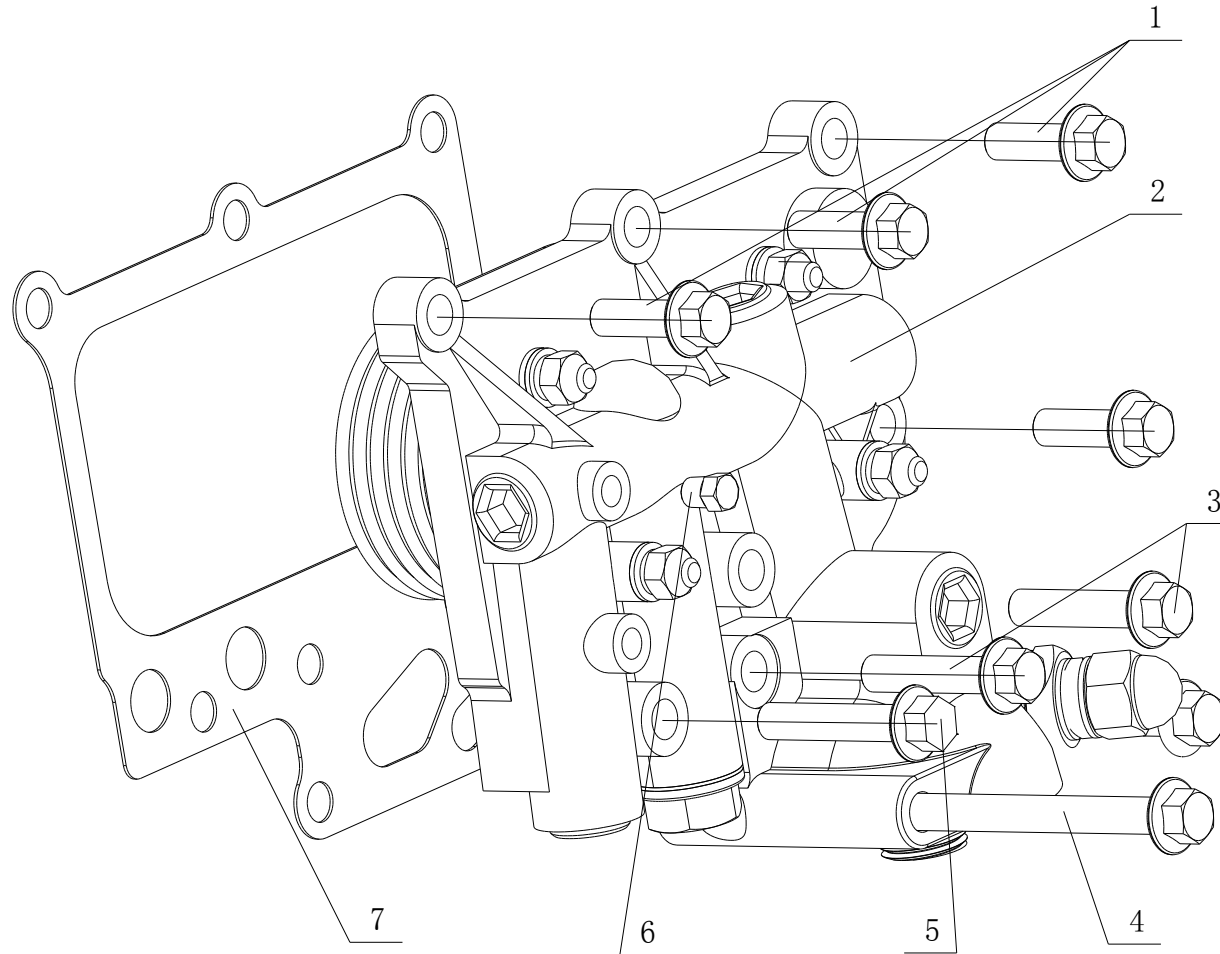


15. 186-1012000/04 机油滤清器 Oil Filter

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	186-1012000	机油滤清器	Oil filter	1	易损件 EWP

EWP=Easy wear part (易损件)

F50J1-1013000/04 机油冷却器总成 Oil Cooler Assembly

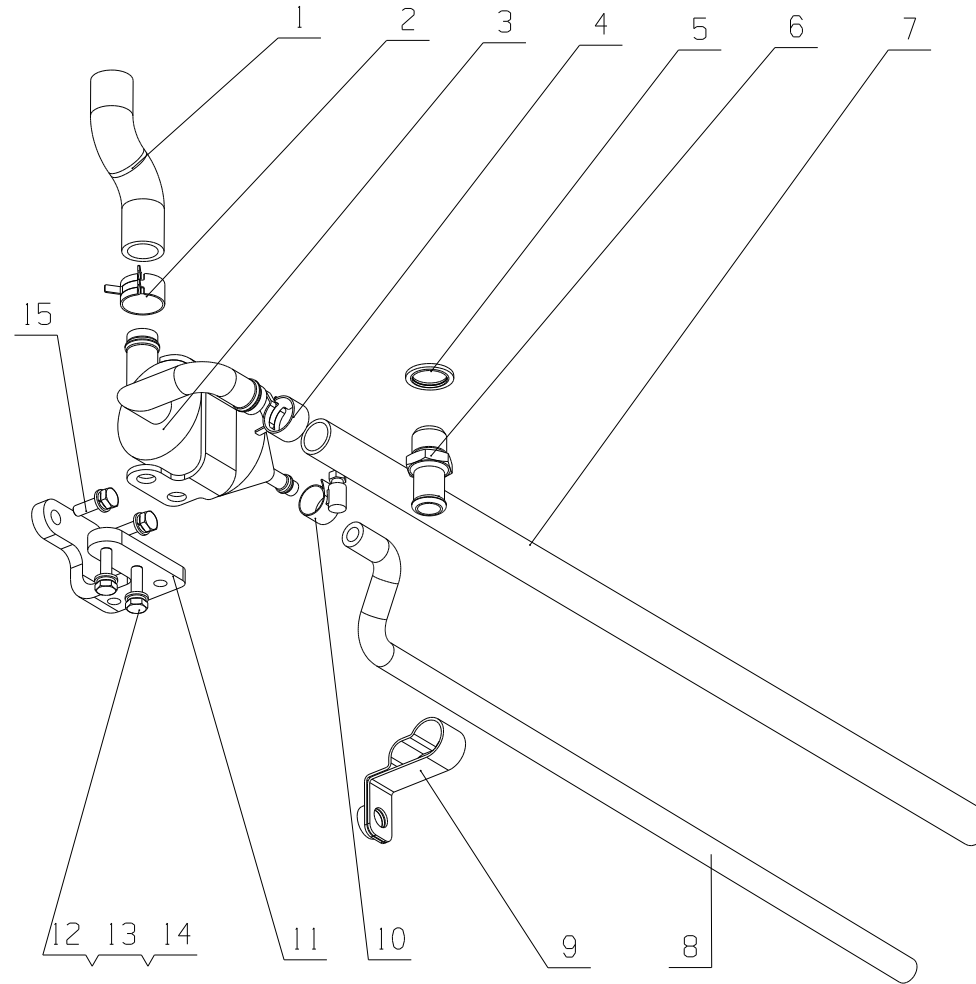


16、F50J1-1013000/04 机油冷却器总成 Oil Cooler Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	Q1841030	螺栓 M10X30	Bolt M10X30	5	
2	F3100-1013100D	机油冷却器	Oil cooler	1	
3	Q1841045	螺栓 M10X45	Bolt M10X45	2	
4	Q18410100	螺栓 M10X100	Bolt M10X100	1	
5	Q1841050	螺栓 M10X50	Bolt M10X50	1	
6	Q61901	螺塞 NPT 1/8	Screw plug NPT 1/8	1	
7	F6000-1013104	冷却器盖垫片	Oil cooler cover gasket	1	易损件 EWP

EWP=Easy wear part (易损件)

F50D1-1014000/05 曲轴箱通风装置总成 Crankcase Ventilation Device Assembly



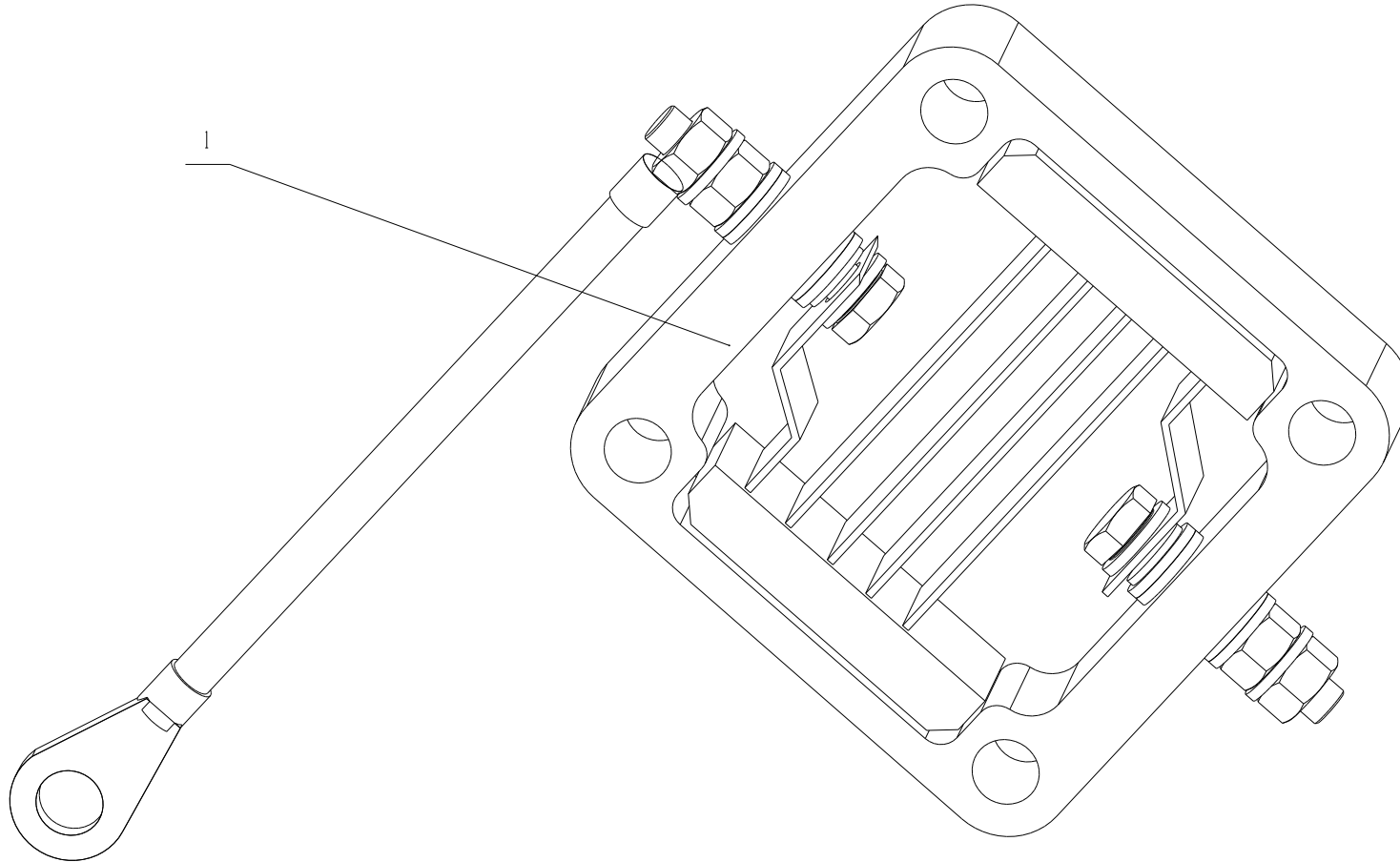
17. F50D1-1014000/05 曲轴箱通风装置总成 Crankcase Ventilation Device Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3100-1014003B	通气软管	Vent hose	1	
2	Q673B21	环箍 21	Loop hoop 21	2	
3	F3100-1014100B	离心式油气分离器	Centrifugal oil gas seperator	1	
4	Q673B19	环箍 19	Loop hoop 19	1	
5	Q/YC149-18	复合式密封垫圈 18	Compound seal ring 18	1	
6	151-1306027	暖风供水接头	Warm air water supply joint	1	
7	F3000-1014045A	外通管	Outer hose	1	
8	F31D5-1014053	呼吸器回油软管	Oil return hose of breather	1	
9	F3400-1014005B	管夹	Pipe clamp	1	
10	Q67616	环箍	Loop hoop 38	2	
11	F3100-1104542	分配器过渡板	Distributor transmission plate	1	
12	Q150B0616	螺栓 M6X16	Bolt M6X16	2	
13	Q40306	垫圈 6	Washer 6	4	
14	Q40106	垫圈 6	Washer 6	4	
15	Q150B0620	螺栓 M6X20	Bolt M6X20	2	

EWP=Easy wear part (易损件)

18 [图 Drawing](#)

F5000-1015000/06 发动机起动辅助装置总成 Engine Start Assist Equipment Assembly

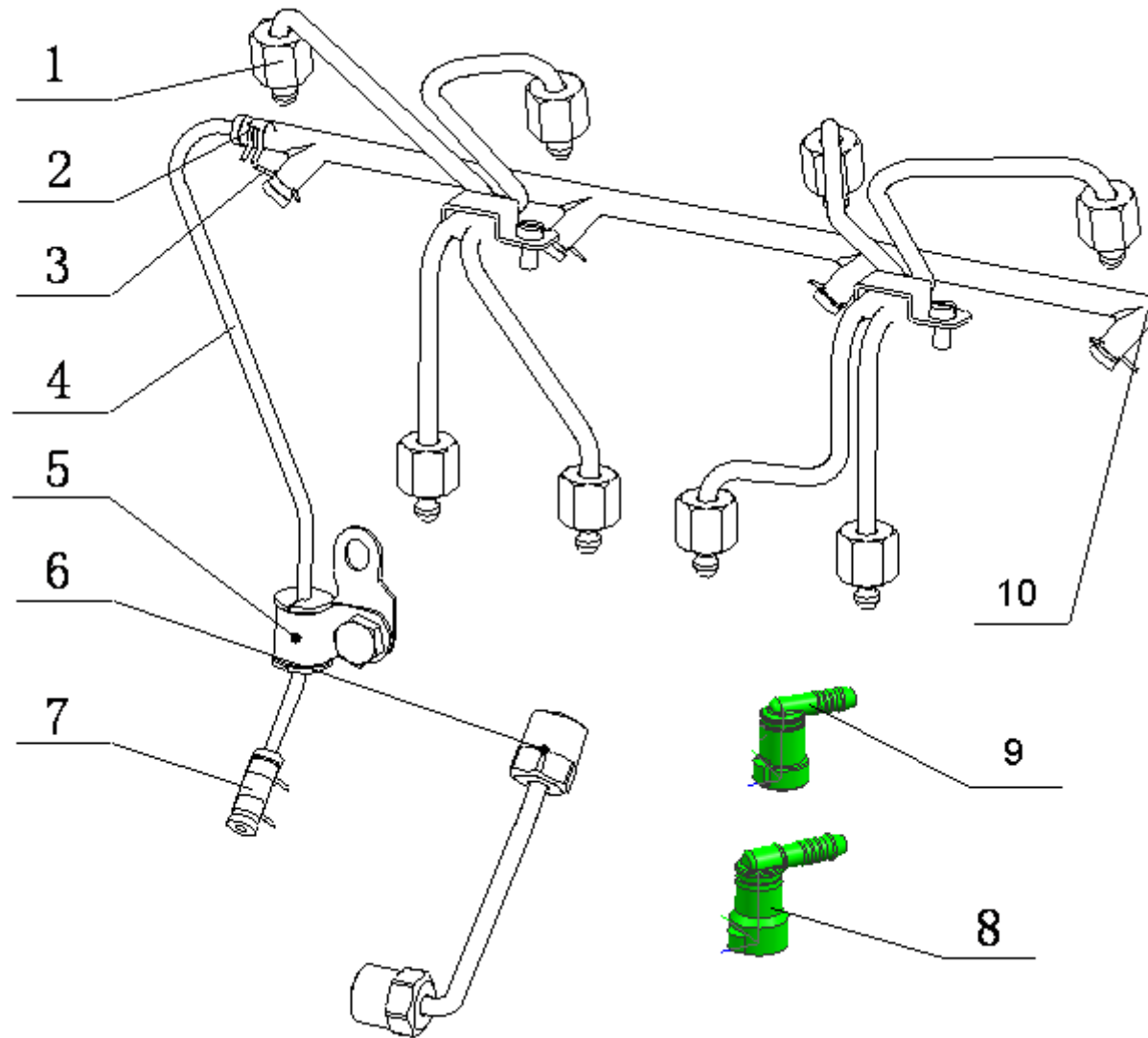


18. F5000-1015000/06 发动机起动辅助装置总成 Engine Start Assist Equipment Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F5000-1015050	加热器	Heater	1	
	F5100-1015050	加热器	Heater	1	选装 Optional

EWP=Easy wear part (易损件)

F50J1-1104000/05 供给系管路总成 Supply System Pipeline Assembly

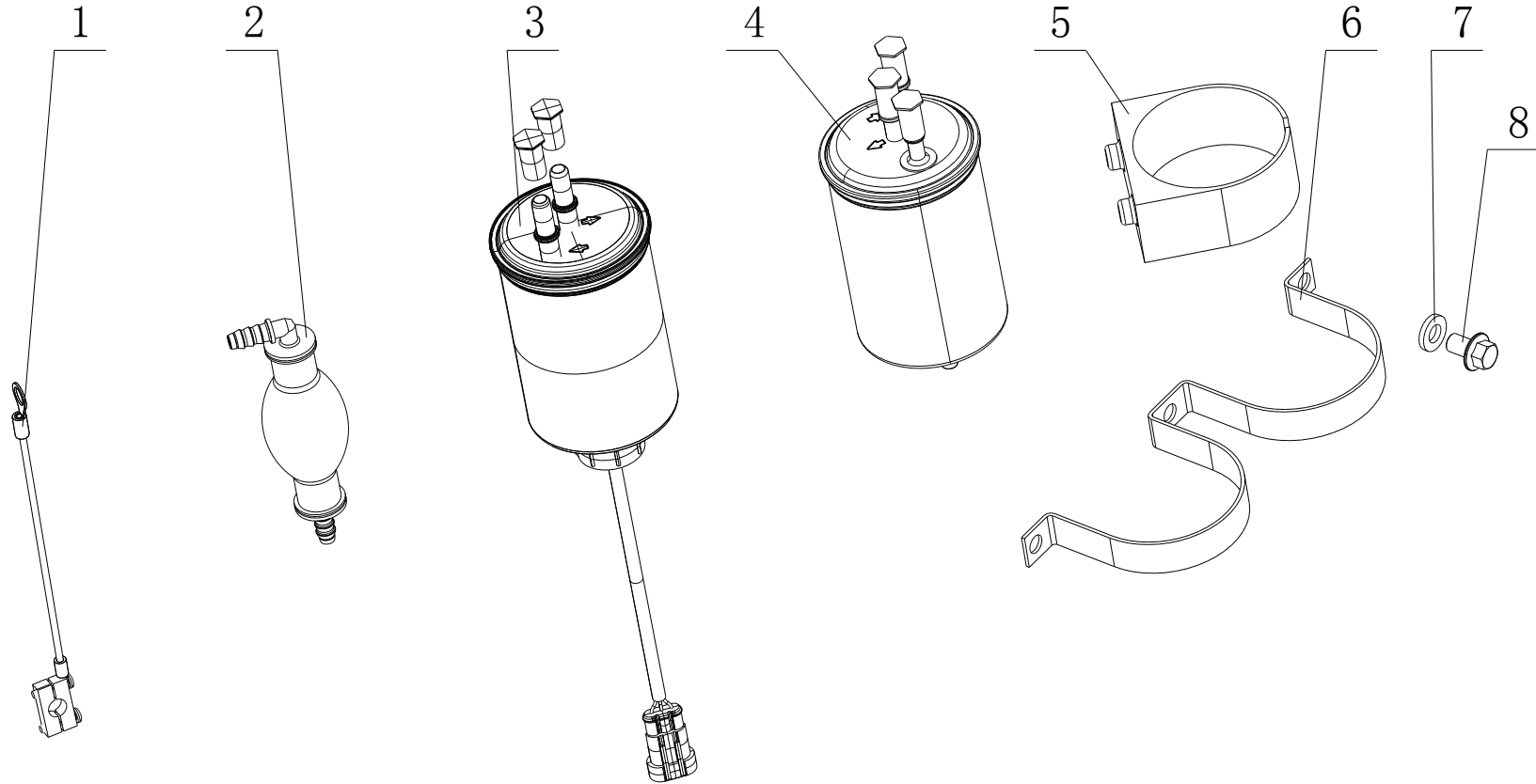


19. F50J1-1104000/05 供给系管路总成 Supply System Pipeline Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F5000-1104100A	高压油管部件	High-pressure fuel pipe part	1	
	F5000-11041A0	第一缸高压油管组件	1st High-pressure fuel pipe parts	1	
	F5000-11041B0	第二缸高压油管组件	2nd High-pressure fuel pipe parts	1	
	F5000-11041C0	第三缸高压油管组件	3rd High-pressure fuel pipe parts	1	
	F5000-11041D0	第四缸高压油管组件	4th High-pressure fuel pipe parts	1	
2	Q673B85	环箍 85	loop hoop 85	3	
3	Q671B85	环箍 85	loop hoop 85	4	
4	F5000-1104207	油管(I)	Fuel pipe (I)	1	
5	F5000-1104260	管夹组件	Pipe clamp subassembly	1	
6	F5000-1104080A	油泵至油轨油管组件	Fuel pipe subassembly between injection pump and fuel rail	1	
7	F5000-1104208	油管(II)	Fuel pipe (II)	1	
8	F5000-1104503A	回油管接头	Fuel return pipe joint	3	分别装在油泵进、回油接头上以及柴滤器回油接头上。 Installed separately with the fuel intake and return joint & the fuel return joint of fuel filter.
9	F5000-1104304A	接头	Joint	4	分别装在柴滤器以及油水分离器的进、出油接头上。 Installed separately with the fuel filter & the fuel intake and outlet joint of oil-water separator.
10	F5000-1104204A	回油管	Fuel return pipe	1	

EWP=Easy wear part (易损件)

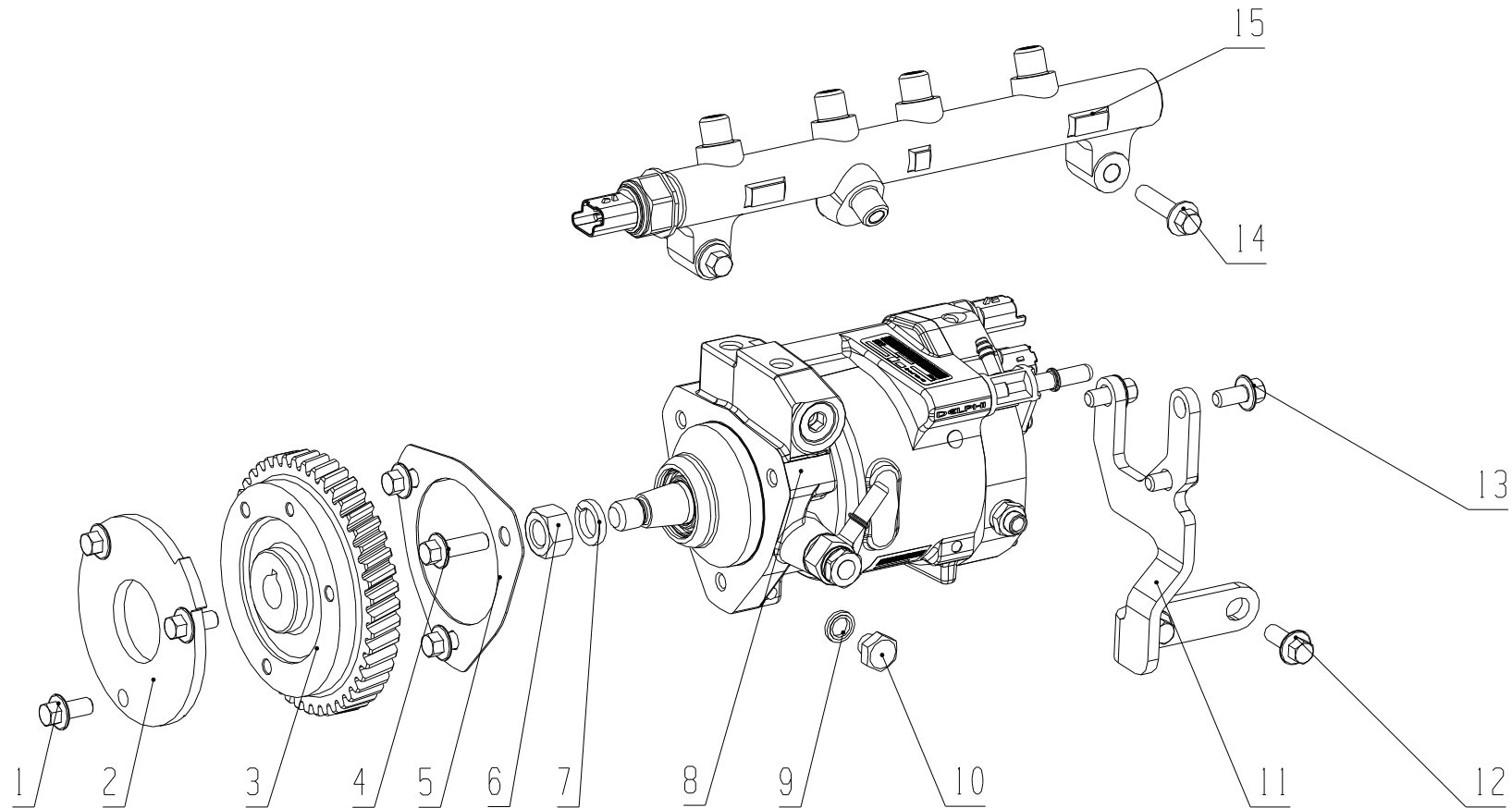
F50J1-1105000/09 柴油滤清器总成 Fuel Filter Assembly



20.F50J1-1105000/09 柴油滤清器总成 Fuel Filter Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F5000-1105310	分离器接地组件	Ground connecting part of separator	1	
2	W3000-1104800	手动输油泵	Manual fuel delivery pump	1	
3	F5100-1105300-614	柴油预滤器部件	Fuel pre-filter parts	1	易损件 EWP
4	W3000-1105100A	柴油滤清器	Fuel filter	1	易损件 EWP
5	F5000-1105601	柴滤器壳支架	Fuel filter shell bracket	2	
6	F5000-1105602	柴滤器环箍	Fuel filter loop hoop	1	
7	530-1009002	垫圈	Washer	2	
8	Q1841016	螺栓 M10X16	Bolt M10X16	3	

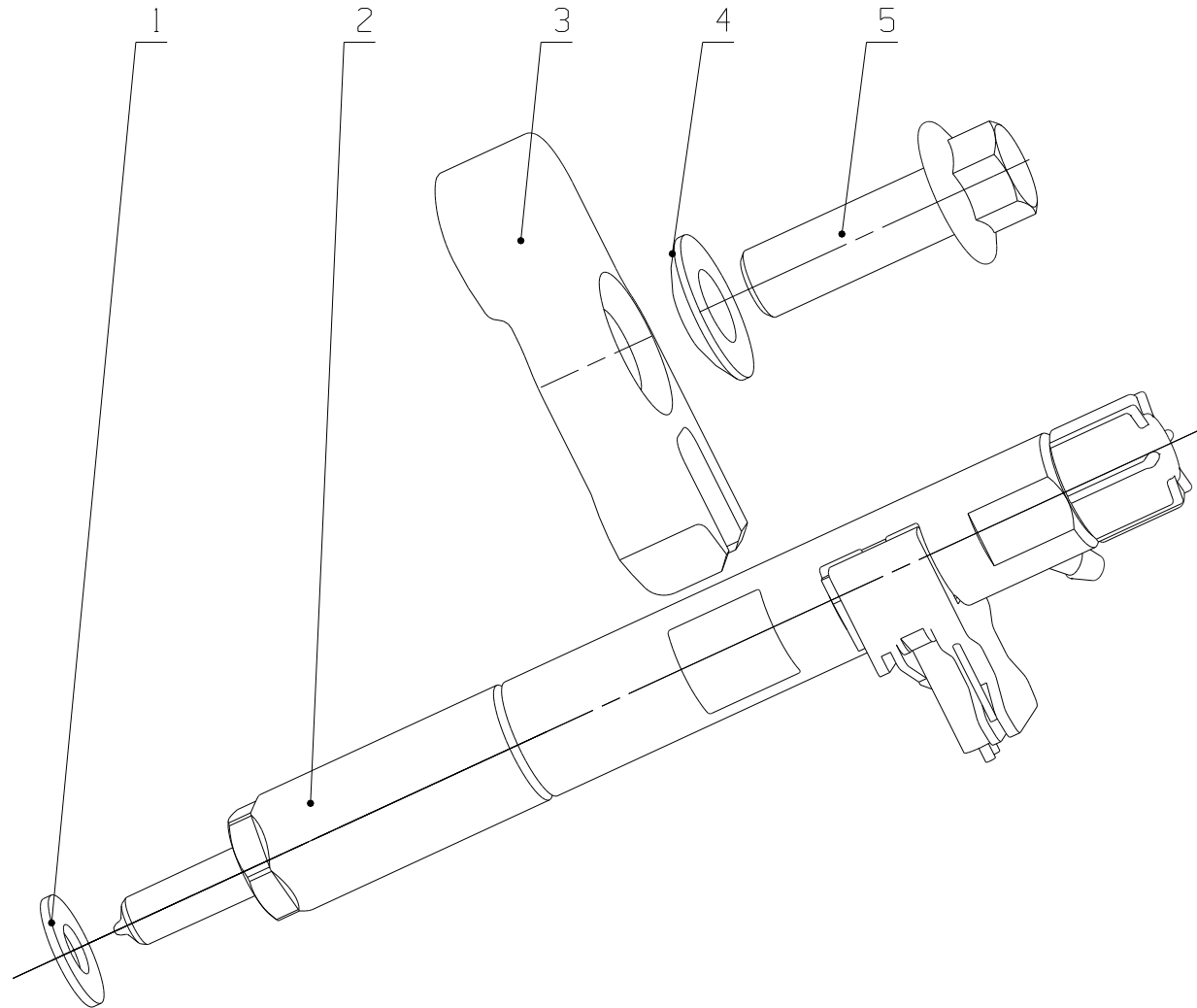
F5000-1111000/09 喷油泵总成 Injection Pump Assembly



21. F5000-1111000/09 喷油泵总成 Injection Pump Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	Q1840816TF2	螺栓 M8X16	Bolt M8X16	3	
2	F5000-1111035B	正时信号盘	Timing signal plate	1	
3	F2000-1111003	燃油喷射泵齿轮	Fuel injection pump gear	1	
4	Q1840825TF2	螺栓 M8X25	Bolt M8X25	3	
5	F5000-1111105	喷油泵垫片	Injection pump gasket	1	易损件 EWP
6	Q341B14	螺母 M14X1.5	Nut M14X1.5	1	
7	Q40314	垫圈 14	Washer 14	1	
8	F5000-1111100-011	喷油泵	Injection pump	1	
9	Q/YC149-10	复合式密封垫圈 10	Compound seal washer 10	1	易损件 EWP
10	Q/YC198-10	螺塞 M10X1	Screw plug M10X1	1	
11	F2000-1111027	支架	Bracket	1	
12	Q1840820TF2	螺栓 M8X20	Bolt M8X20	2	
13	Q1840816	螺栓 M8X16	Bolt M8X16	3	
14	Q1840835	螺栓 M8X35	Bolt M8X35	2	
15	W3000-1111A00-011	共轨管部件	Common rail pipe part	1	

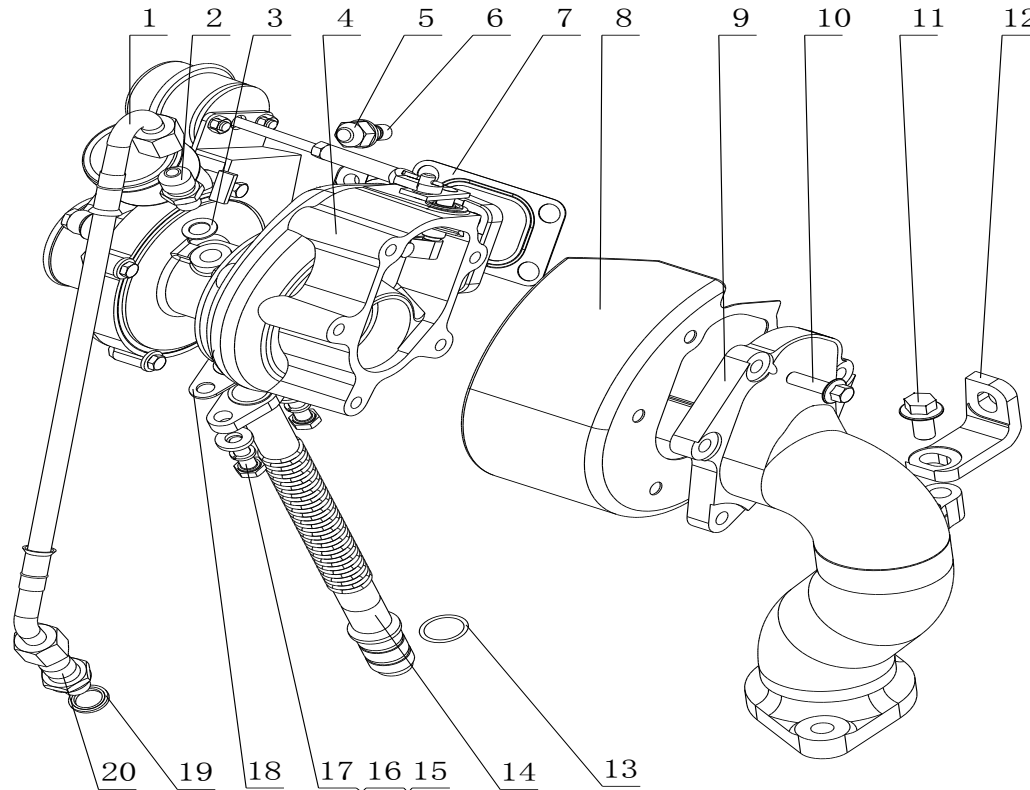
F5000-1112000/03 喷油器总成 Injector Assembly



22. F5000-1112000/03 喷油器总成 Injector Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	150-1112001	喷油器垫片	Injector gasket	4	
2	F5000-1112100-011	喷油器部件	Injector parts	4	
3	F5000-1112005A	喷油器压板	Injector pressure plate	4	
4	GB/T849-10	垫圈 10	Lock Washer 10	4	
5	Q1841030TF2	螺栓 M10×30	Bolt M10×30	4	

F51J1-1118000/01 增压器总成 Turbocharger Assembly

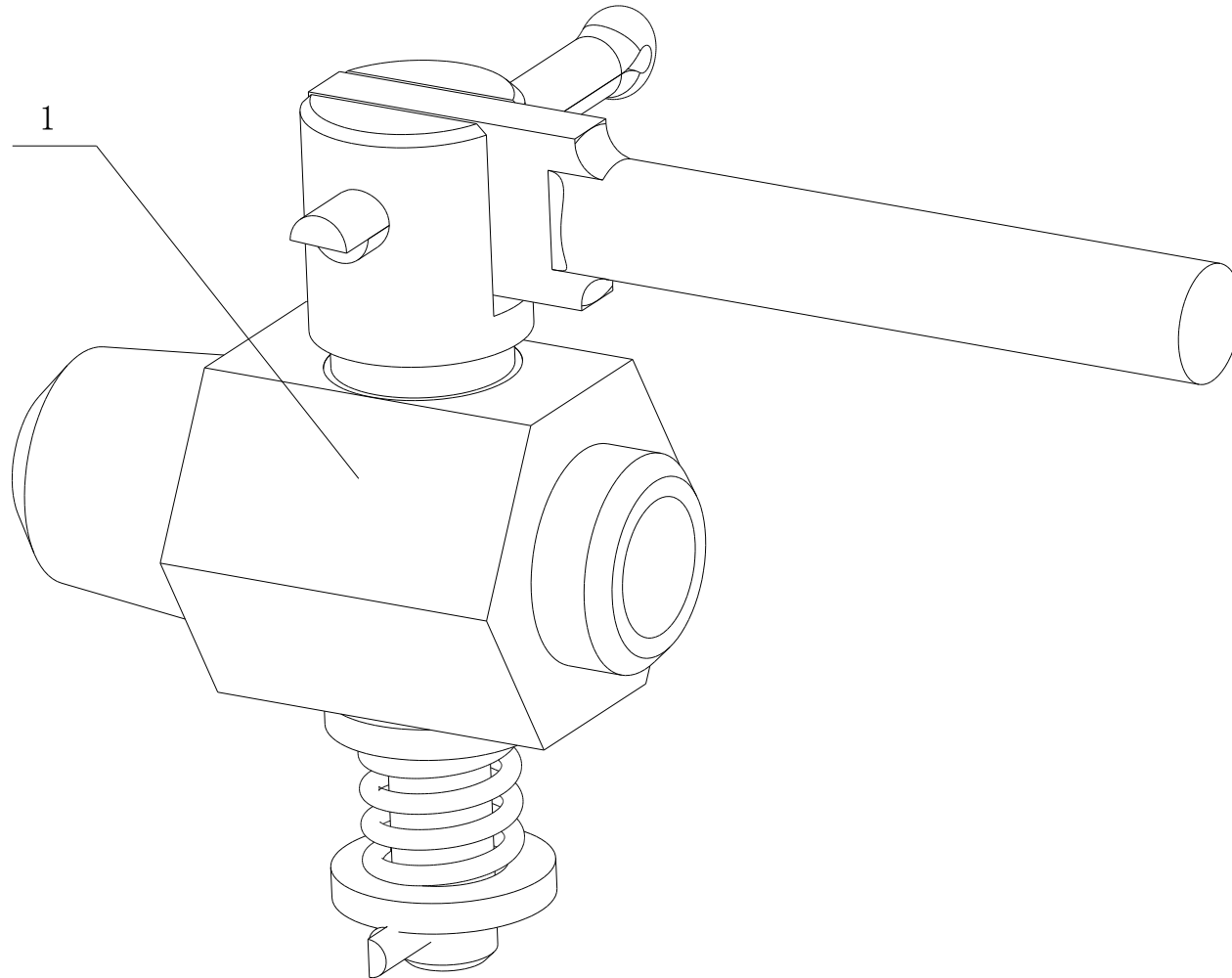


<https://truckmanualshub.com/>
23.F51J1-1118000/01 增压器总成 Turbocharger Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3000-1118240A	增压器进油软管	Oil inlet hose of turbocharger	1	
2	E0200-1118031A	增压器进油接头	Turbocharger oil inlet joint	1	
3	Q/YC901-3C12	垫圈 12	Lock Washer 12	1	
4	F50J1-1118100-383	增压器	Turbocharger	1	选装 optional
	F3000-1118100-135	增压器	Turbocharger	1	选装 optional
5	M3000-1008206B	螺母	Nut	4	
6	150-1118001	双头螺栓	Stud bolt	4	
7	F3000-1118012A	增压器垫片	Turbocharger gasket	1	
8	F3100-1118403C	涡壳隔热罩	Turbine heat isolation cover	1	
9	F3000-1008203	涡轮后排气接管	Turbine rear exhaust joint	1	
10	Q1840825TF2	螺栓 M8X25	Bolt M8X25	5	
11	Q1841020TF2	螺栓 M10X20	Bolt M10X20	3	
12	F3000-1008212	支架	Bracket	1	
13	YC208-B01700F	O 形圈 2.65X17	O-ring 2.65X7	2	易损件 EWP
14	F3000-1118340A	增压器回油管	Turbocharger oil return pipe	1	
15	Q150B0825TF2	螺栓 M8X25	Bolt M8X25	2	
16	Q40308	垫圈 8	Lock Washer 8	2	
17	6105Q-3509013	垫圈	Washer	2	
18	F3000-1118301	垫片	Washer	1	
19	Q/YC149-14	复合式密封垫圈 14	Compound seal washer 14	1	易损件 EWP
20	A30-1118021	进油软管接头	Oil inlet hose joint	1	

EWP=Easy wear part (易损件)

231-1305000/06 放水开关 Water Drain Switch

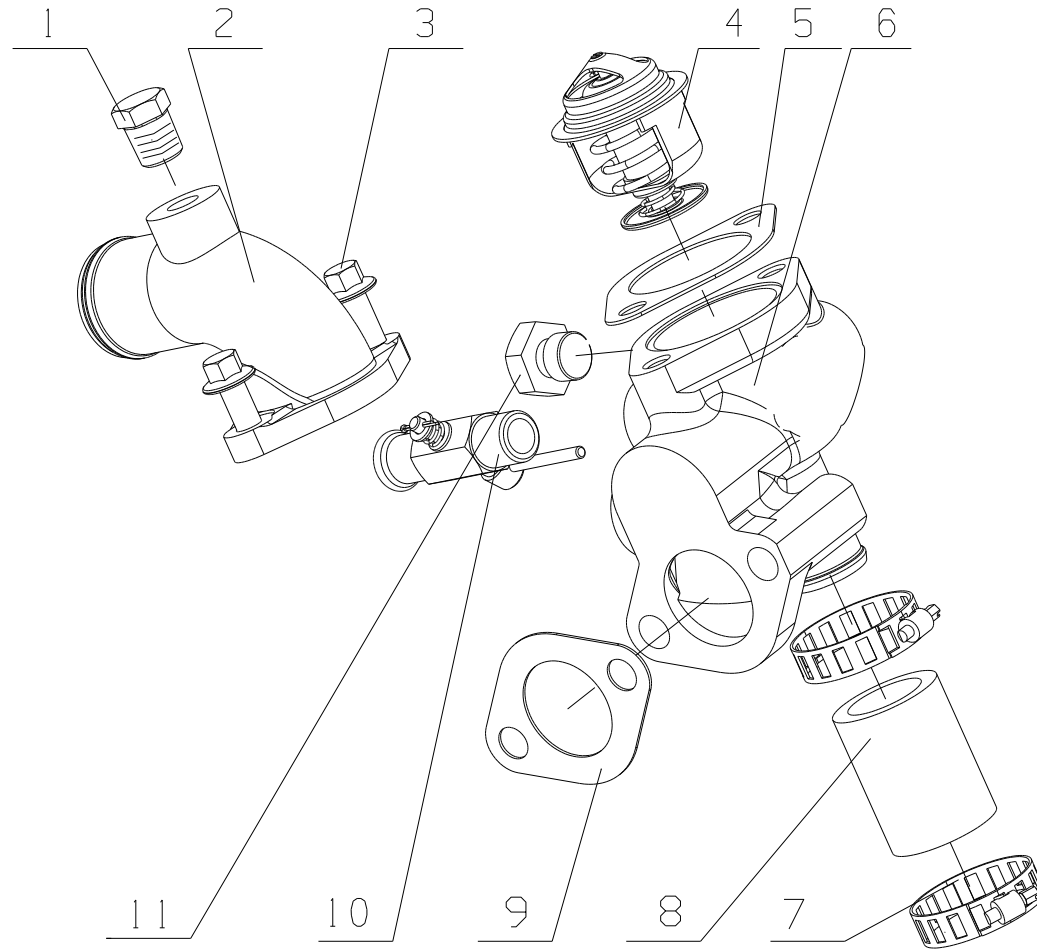


24. 231-1305000/06 放水开关 Water Drain Switch

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	231-1305000	放水开关	Water drain Switch	1	

EWP=Easy wear part (易损件)

F50J1-1306000/07 调温器总成 Thermostat Assembly

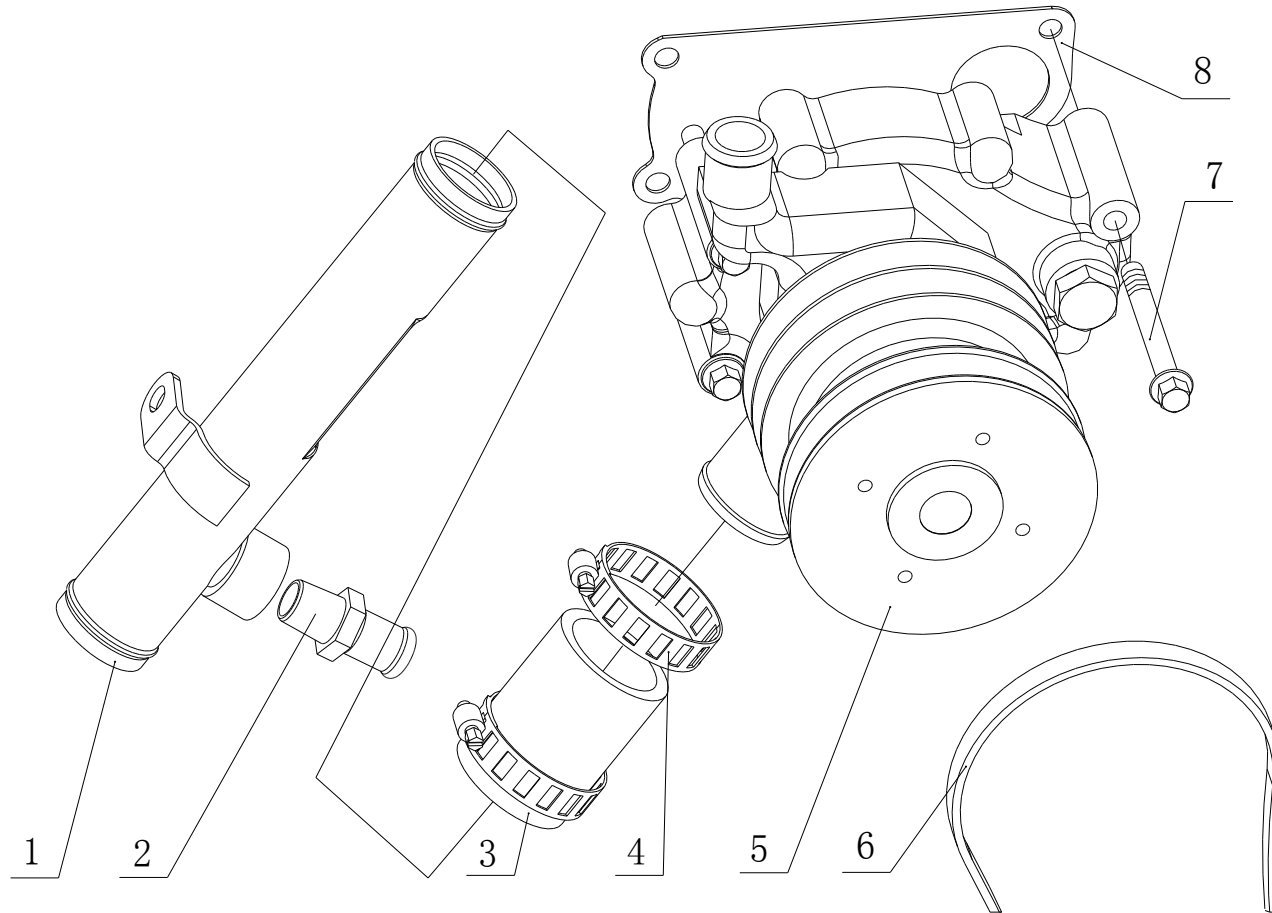


25. F50J1-1306000/07 调温器总成 Thermostat Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	Q61902	螺塞 NPT1/4	Plug	1	
2	F7200-1306001A	调温器盖	Thermostat cover	1	
3	Q1840830	螺栓 M8×30	Bolt M8x30	2	
4	F30SA-1306004	调温器	Thermostat	1	
5	F3000-1306002	调温器盖垫片	Thermostat cover washer	1	易损件 EWP
6	F50D1-1306003	节温器座	Thermostat seat	1	
7	Q67638	环箍 38	Loop hoop 38	2	
8	F3000-1306005	回水胶管	Water return pipe	1	
9	F3000-1306006	调温器座垫片	Thermostat seat washer	1	易损件 EWP
10	6105Q-1305100	温风进水阀总成	water inlet valve assembly	1	
11	Q618B03	螺塞 NPT3/8	Plug NPT3/8	1	

EWP=Easy wear part (易损件)

F31D1-1307000/04 水泵总成 Water Pump Assembly

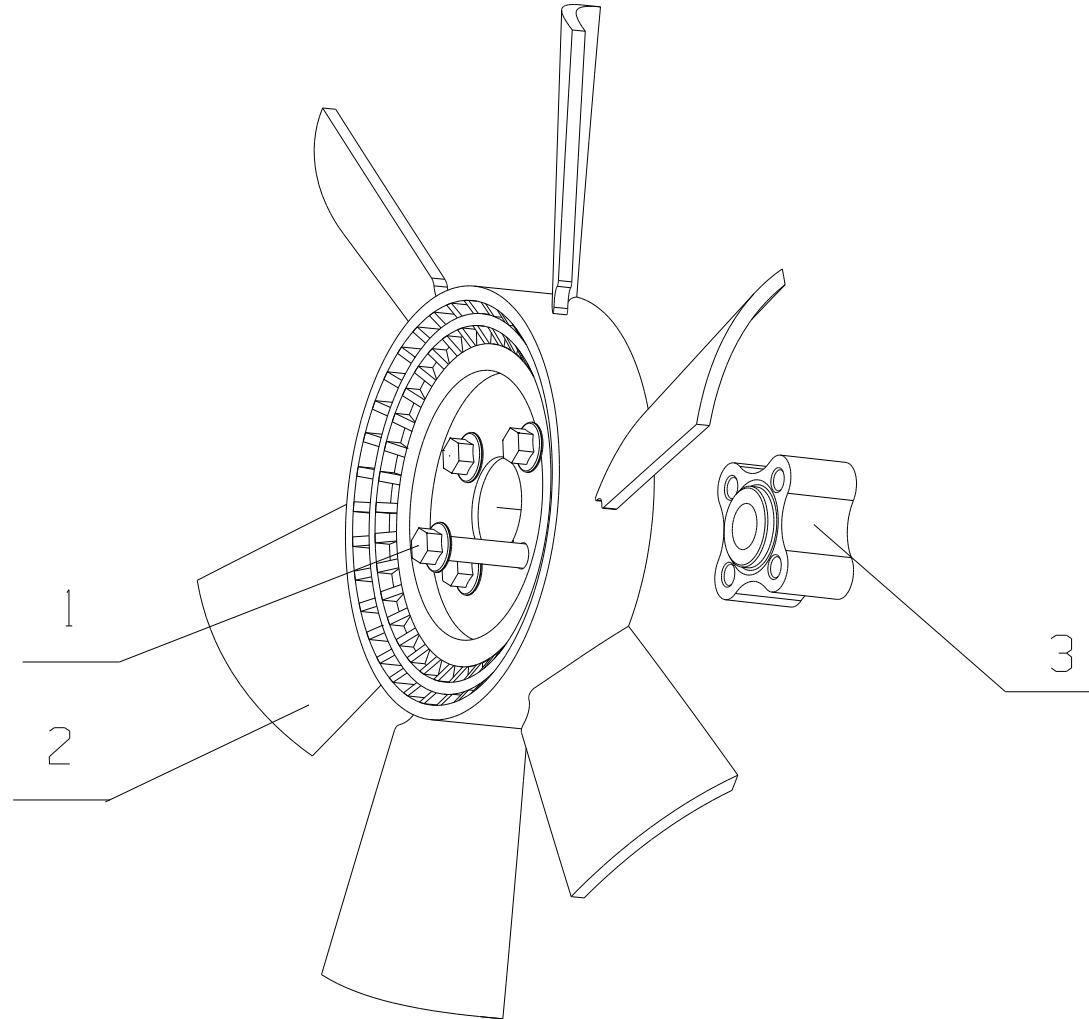


26. F31D1-1307000/04 水泵总成 Water Pump Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F31D5-1307250A	水泵进水管组件	Water inlet pipe parts	1	
2	G3220-1307017A	暖风回水接头	Water return joint	1	
3	F7100-1307263	旁通阀软管	Bypass valve hose	1	
4	Q67650	环箍 50	Loop hoop 50	2	
5	F31D1-1307100B	水泵部件	Water pump parts	1	
6	150-3701040B	发电机皮带	Alternator belt	2	
7	Q1840870TF2	螺栓 M8×70	Bolt M8×70	1	
8	F3000-1307001	水泵垫片	Water pump washer	1	易损件 EWP

EWP=Easy wear part (易损件)

F30D3-1308000/03 风扇总成 Fan Assembly

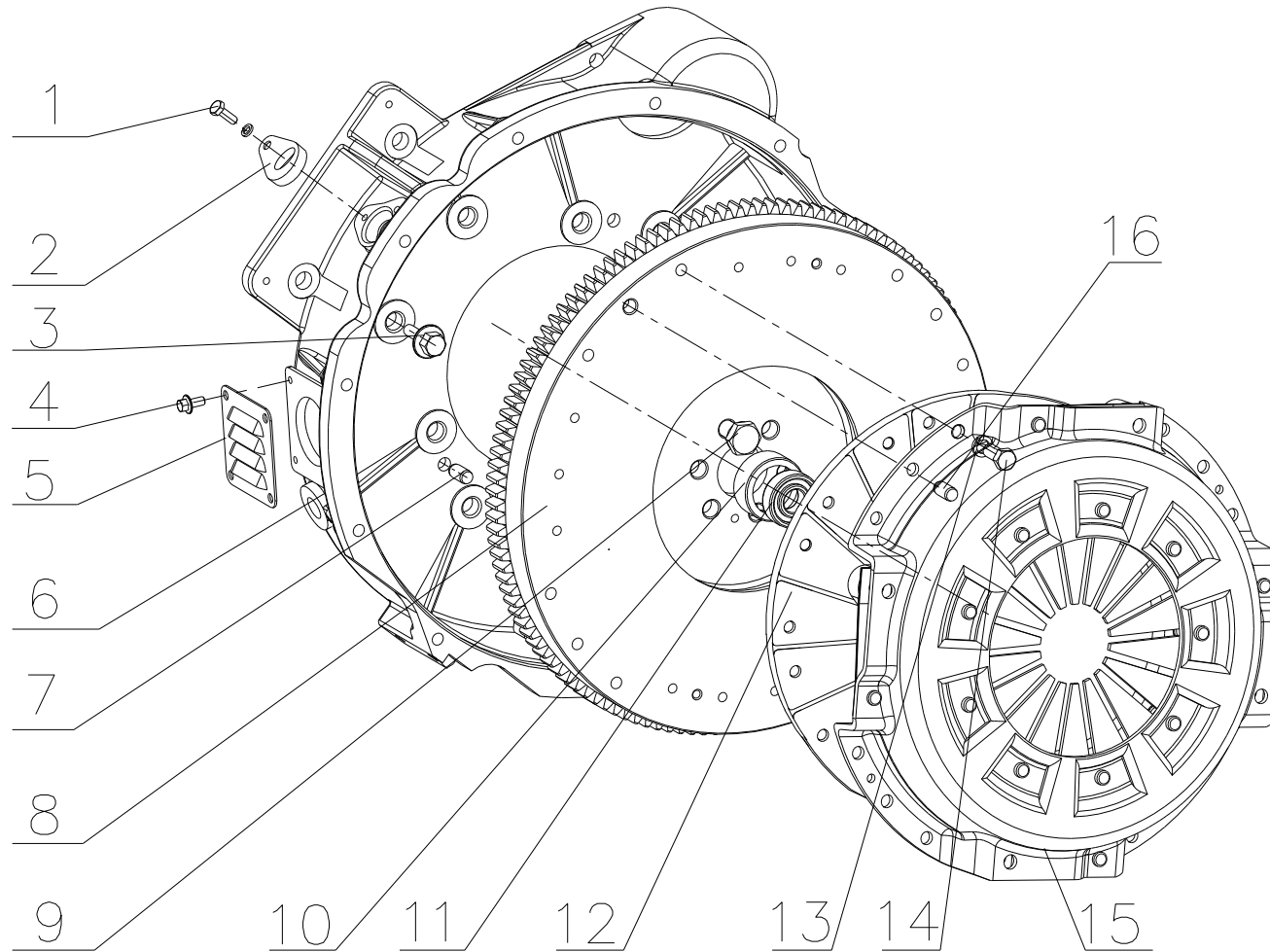


27. F30D3-1308000/03 风扇总成 Fan Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	Q1841055TF2	螺栓 M10X55	Bolt M10X20	4	
2	F3000-1308010	风扇组件	Fan parts	1	
3	415-1308001	水泵-风扇垫块	Water-fan Cushion block	1	

EWP=Easy wear part (易损件)

F51J2-1600000/01 动力输出总成 Power Output Assembly

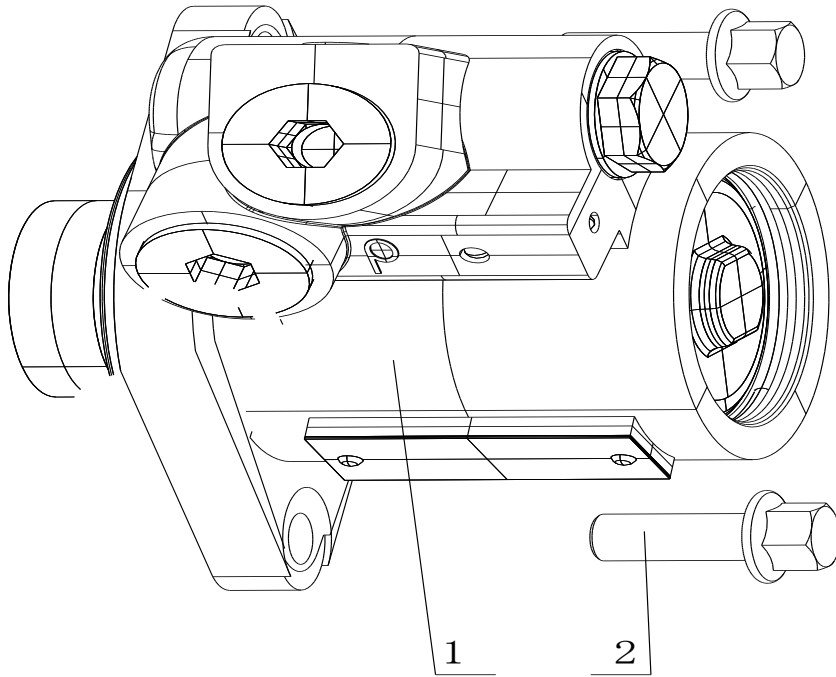


28. F51J2-1600000/01 动力输出总成 Power Output Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	Q1840630	螺栓 M6×30	Bolt M6×30	1	
2	F5000-1600413	衬套	Bushing	1	
3	Q1841230TF2	螺栓 M12×30	Bolt M12x30	10	
4	Q1840612	螺栓 M6×12	Bolt M6×12	8	
5	B3000-1600021	盖板	Cover plate	2	
6	F51J1-1600401	飞轮壳	Flywheel case	1	
7	YC24-1020	圆柱销 10×20	Pin 10x20	2	
8	F5000-1005360B	飞轮及齿圈组件	Flywheel and gear ring parts	1	
9	F3000-1005063	飞轮螺栓	Flywheel bolt	6	
10	F30SA-1005365	轴承座	Bearing seat	1	
11	GB/T276-6203-2RS	滚动轴承	Rolling bearing	1	
12	F31XA-1600740A	离合器从动盘组件	Clutch driven plate assembly	1	
13	Q40308	垫圈 8	Lock Washer 8	12	
14	Q150B0825TF2	螺栓 M8×25	Bolt M8×25	12	
15	530-1600050	离合器盖及压盘组件	Clutch cover & compress plate assembly	1	
16	YC24-B0616	圆柱销 6×16	Pin 6X16	2	

EWP=Easy wear part (易损件)

F50J1-3407000/01 转向泵总成 Steering Pump Assembly

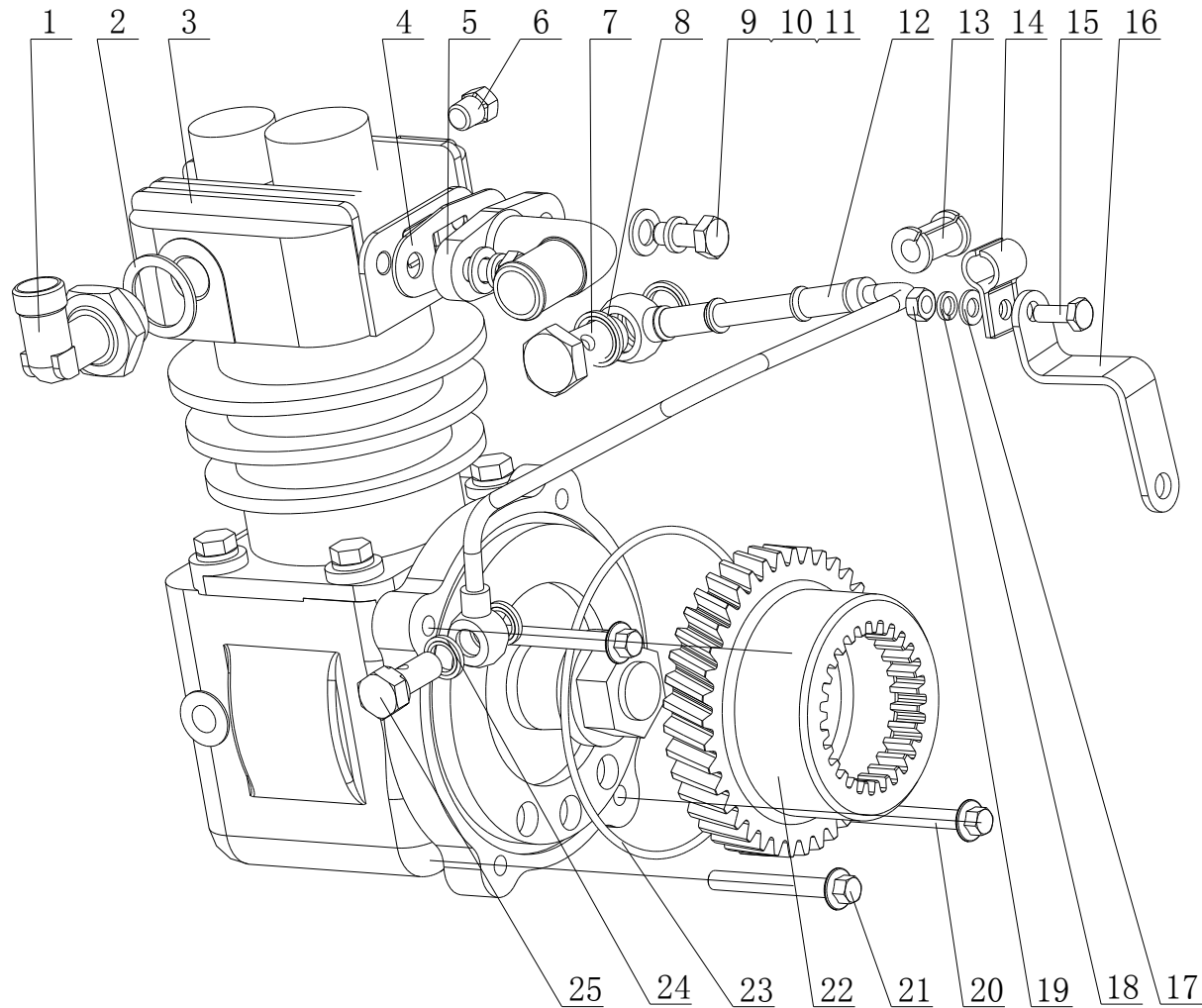


29. F50J1-3407000/01 转向泵总成 Steering Pump Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F31D1-3407100	转向泵	Steering pump	1	
2	Q1841025TF2	螺栓 M10X25	Bolt M10X25	2	

EWP=Easy wear part (易损件)

F50D1-3509000/03 气动制空气压缩机总成 Pneumatic Air Compressor Assembly

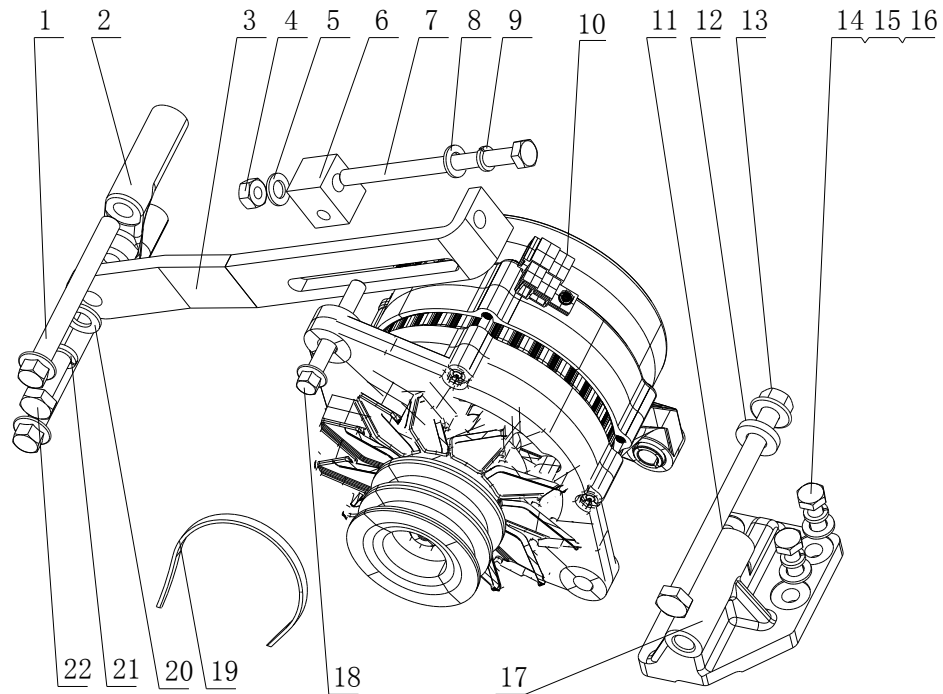


30. F50D1-3509000/03 气动制空气压缩机总成 Pneumatic Air Compressor Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	E0208-3509070	出气接头组件	Air outlet joint subassembly	1	
2	Q/YC901-3C22	垫圈 22	Washer 22	1	
3	F3100-3509100C	空气压缩机	Air compressor	1	
4	F3100-3509014	密封垫片	Seal gasket	1	易损件 EWP
5	F3100-3509010	空压机进气接头	Air inlet joint of air compressor	1	
6	Q618B01	螺塞 NPT 1/8	Screw plug NPT 1/8	1	
7	6QA6-1307017	管接螺栓	Bolt	1	
8	Q/YC149-14	复合式密封垫圈 14	Compound seal washer 14	2	易损件 EWP
9	Q40108	垫圈 8	Lock Washer 8	2	
10	Q40308	垫圈 8	Lock Washer 8	2	
11	Q150B0820	螺栓 M8X20	Bolt M8X20	2	
12	F31FE-3509240	空压机进油管组件	Oil inlet pipe assembly of air compressor	1	
13	M3200-1104363	胶套	Rubber sleeve	1	
14	B3221-1104122	管夹	Pipe clamp	2	
15	Q150B0616	螺栓 M6X16	Bolt M6X16	1	
16	F31FE-3509601	管夹支架	Clamp bracket	1	
17	Q40106	垫圈 6	Washer 6	1	
18	Q40306	垫圈 6	Washer 6	1	
19	Q340B06	螺母 M6	Nut M6	1	
20	Q1840860TF2	螺栓 M8X60	Bolt M8X60	2	
21	Q1840865TF2	螺栓 M8×65	Bolt M8X65	1	
22	F31D1-3509001	空压机齿轮	Air compressor gear	1	
23	YC208-B10900F	O 形圈 2.65X109	O-ring 2.65X109	1	易损件 EWP
24	Q/YC149-10	复合式密封垫圈 10	Compound seal washer 10	2	易损件 EWP
25	150-3509023	进油螺栓	Hollow bolt for oil	1	

EWP=Easy wear part (易损件)

F50J1-3701000/01 发电机总成 Alternator Assembly

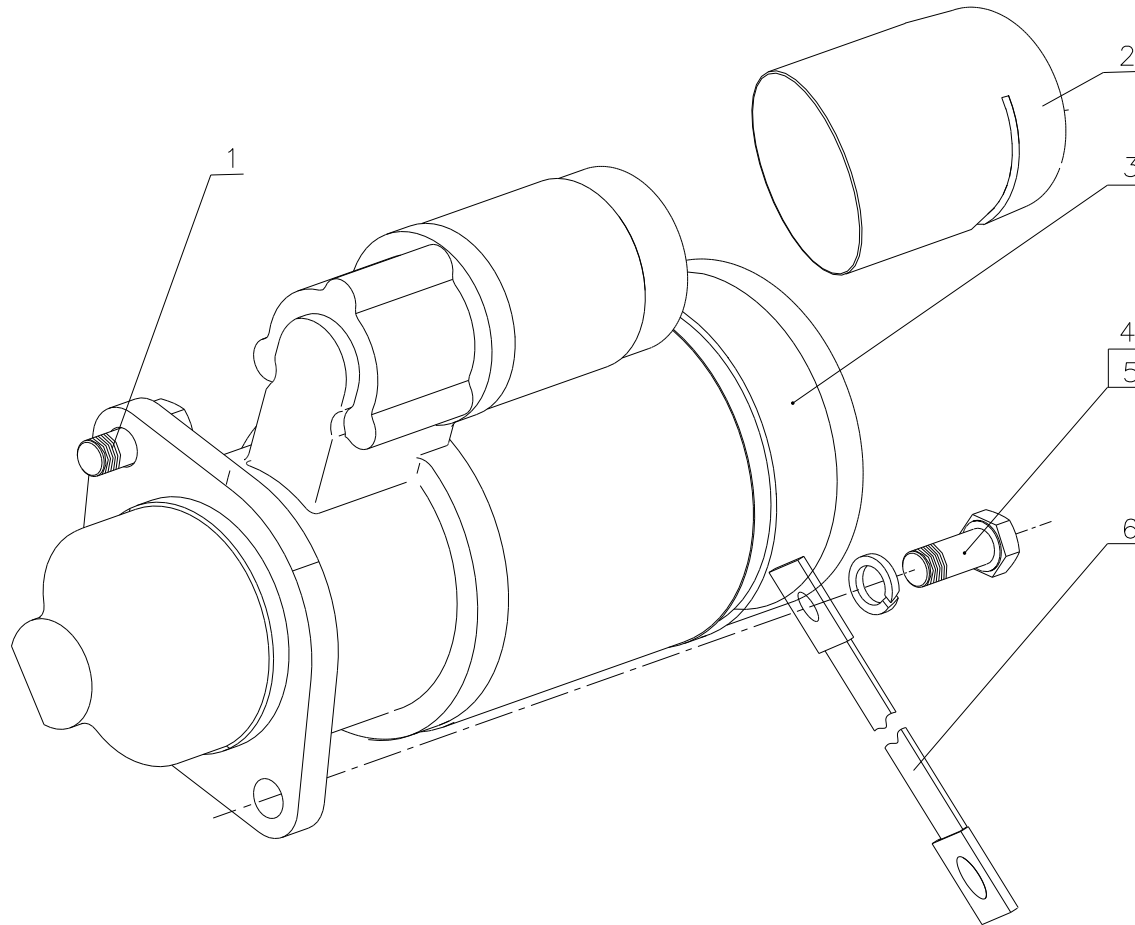


31. F50J1-3701000/01 发电机总成 Alternator Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	Q1841095TF2	螺栓 M10X95	Bolt M10X95	2	
2	F3100-3701242A	加强板	Strengthen plate	1	
3	F3100-3701241	发电机调节支架	Alternator adjusting bracket	1	
4	Q340B08	螺母 M8	Nut M8	1	
5	Q40308	垫圈 8	Lock Washer 8	1	
6	F3100-3701204A	调节滑块	Adjusting sliding block	1	
7	F3100-3701203	张紧螺栓	Tension bolt	1	
8	Q40108	垫圈 8	Lock Washer 8	1	
9	Q40308	垫圈 8	Lock Washer 8	1	
10	F50D1-3701100	发电机	Alternator	1	
11	Q150B10125	螺栓 M10X125	Bolt M10X25	1	
12	Q40310	垫圈 10	Lock Washer 10	1	
13	Q340B10	螺母 M10	Nut M10	4	
14	Q40308	垫圈 8	Lock Washer 8	4	
15	Q40108	垫圈 8	Lock Washer 8	4	
16	Q150B0825TF2	螺栓 M8X25	Bolt M8X25	4	
17	F31N1-3701002B	发电机支架	Alternator bracket	1	
18	Q18408060TF2	螺栓 M8X60	Bolt M8X60	1	
19	F3100-3701001	发电机皮带	Alternator belt	2	
20	Q40110	垫圈 10	Lock Washer 10	1	
21	Q40310	垫圈 10	Lock Washer 10	1	
22	Q150B1030TF2	螺栓 M10X30	Bolt M10X30	1	

EWP=Easy wear part (易损件)

F7200-3708000/04 起动机总成 Starter Assembly

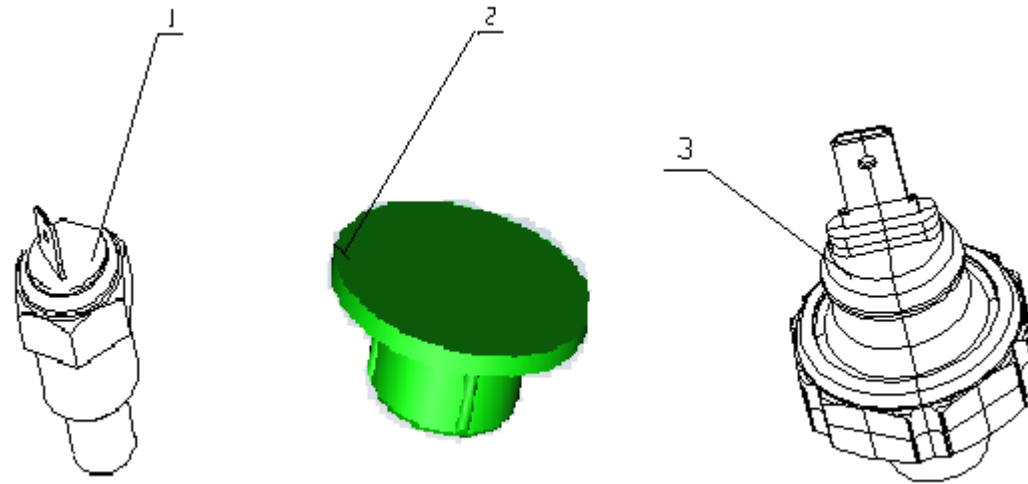


32. F7200-3708000/04 起动机总成 Starter Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	Q150B1230TF2	螺栓 M12X30	Bolt M12X30	1	
2	A3206-3708104A	起动机防护罩	Starter protection shield	1	易损件 EWP
3	F7200-3708100	起动机	Starter	1	
	F3100-3708-01-443	单向器	Isolator	1	
	F7200-3708-02-443	磁吸开关组件	Magnetic switch parts	1	
4	Q150B1230TF2	螺栓 M12X30	Bolt M12X30	1	
5	Q40312	垫圈 12	Lock Washer 12	2	
6	B3221-3708020	搭铁线总成	Bond strap assembly	1	

EWP=Easy wear part (易损件)

F50J1-3800000/02 仪表、感应器总成 Instrument& Sensor Assembly



33、F50J1-3800000/02 仪表、感应器总成 Instrument& Sensor Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F3400-3800100	水温感应器	Water temperature sensor	1	
2	L3800-1600411	堵塞	Plug	1	
3	F3400-3800400	油压过低报警器	Low oil pressure alarm	1	

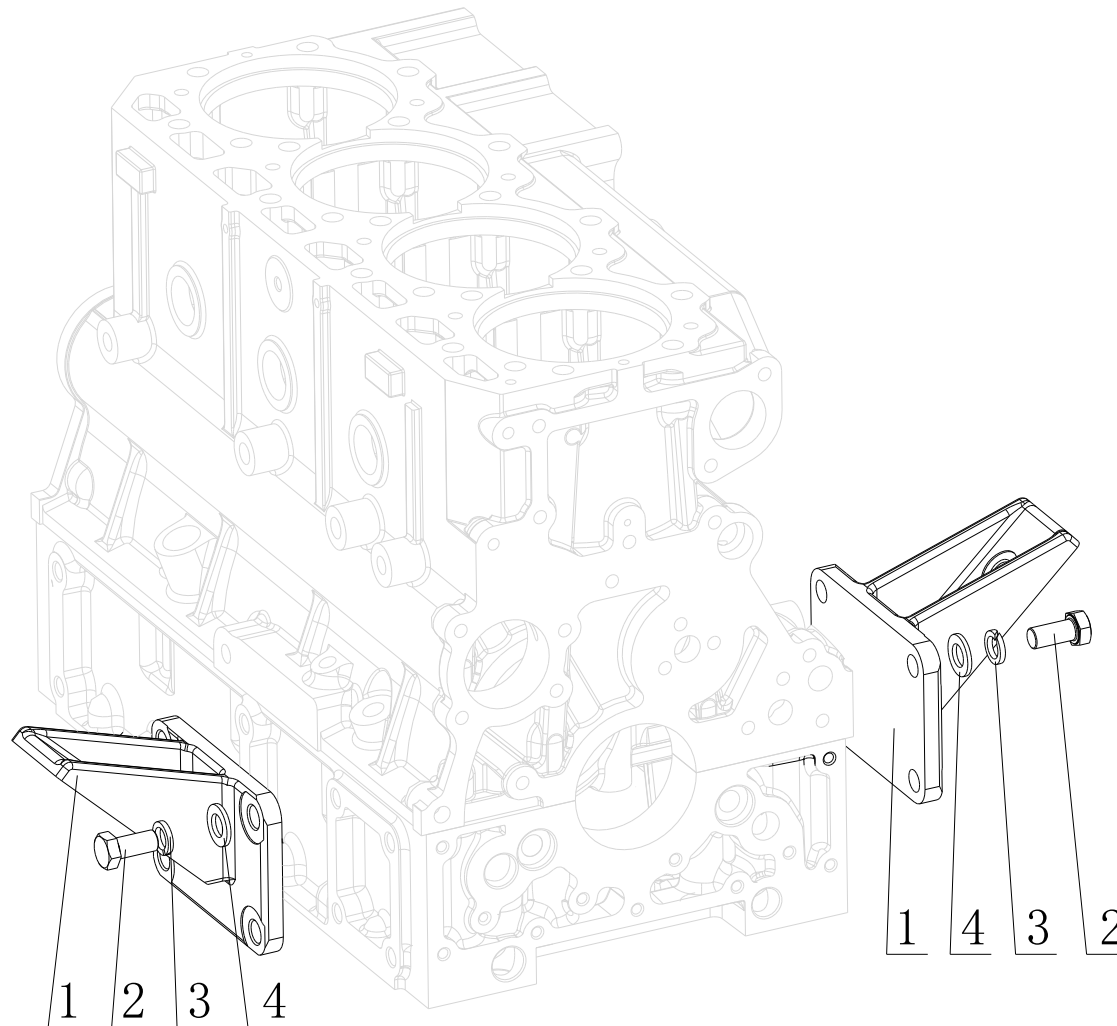
EWP=Easy wear part (易损件)

34. F51J1-3823000/06 控制系统总成 Control System Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	W3000-3823180	水温传感器	Water temp. sensor	1	
2	F50J1-3823250	发动机线束组件	Starter line pencil parts	1	
3	F5000-3823209A	线束卡 IX	Wiring harness clip IX	1	
4	F5000-3823204	线束卡 IV	Wiring harness clip IV	1	
5	F5000-3823151	爆震传感器护罩	Detonation sensor cover	1	
6	Q1840610	螺栓 M6X10	Bolt M8X10	3	
7	F5000-3823202A	线束卡 II	Wiring harness clip II	1	
8	Q1840830	螺栓 M8X30	Bolt M8X30	1	
9	W3000-3823150	爆震传感器	Detonation sensor	1	
10	G6000-3823140	增压压力传感器	Supercharge pressure sensor	1	
11	F5000-3823201A	线束卡 I	Wiring harness clip I	1	
12	F5000-3823203A	线束卡 III	Wiring harness clip III	1	
13	F5000-3823206A	线束卡 VI	Wiring harness clip VI	1	
14	W3000-3823170	曲轴转速传感器	Crankshaft rotating speed sensor	1	
15	F5000-3823035	调整垫	Adjusting cushion	1	
16	J5600-3800312	转速传感器支架调整垫片 II	Speed sensor bracket adjusting gasket II	适 量 proper amount	
17	F5000-3823208	线束卡 VIII	Wiring harness clip VIII	1	
18	F5000-3823207A	线束卡 VII	Wiring harness clip VII	2	
19	F51J1-3823350	控制器组件	Controller subassembly	1	
20	Q218B0612	螺钉 M6X12	Screw M6×12	2	
21	G6000-38231C0	进气温度传感器	Air intake temperature sensor	1	
22	W3000-3823160	凸轮轴相位传感器	Camshaft phase position sensor	1	
23	Q218B0616	螺钉 M6×16	Screw M6×16	1	

EWP=Easy wear part (易损件)

F30J1-1001000/01 发动机悬置总成 Engine Suspension Assembly

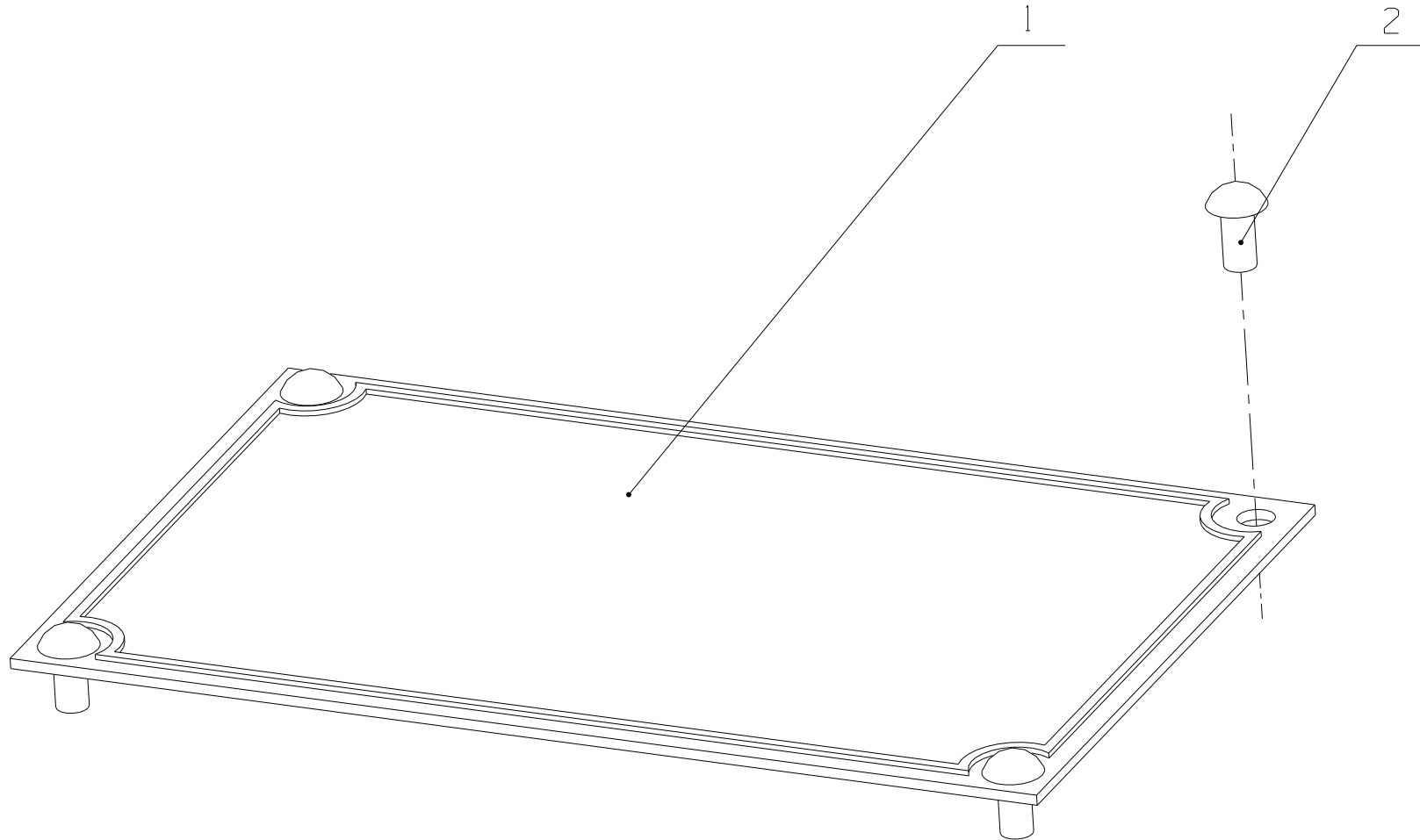


35. F30J1-1001000/01 发动机悬置总成 Engine Suspension Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	F30J1-1001001	前左支脚	Front left bracket	2	
2	Q150B1225	螺栓 M12X25	Bolt M12X25	8	
3	Q40112	垫圈 12	Washer 12	8	
4	Q40312	垫圈 12	Washer 12	8	

EWP=Easy wear part (易损件)

F5100-3904000A/01 标牌总成 Nameplate Assembly



37. F5100-3904000A/01 标牌总成 Nameplate Assembly

序号 Item	图 号 Part No.	名 称	Name	数量 Qty.	备 注 Remark
1	YC394-AF5100	标牌 YC4F90-30	Nameplate	1	
2	YC5-0306	铆钉 3X6	Rivet 3X6	4	

EWP=Easy wear part (易损件)