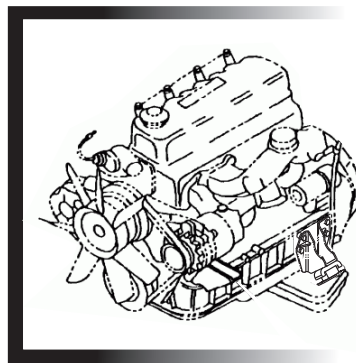




零件目录 parts manual

HJ493型柴油机
HJ493 Model Diesel

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本零件目录汇集了HJ493型发动机零部件

查询方法

步骤一：在检索目录中找到系统或总成所在页次，并翻至所标页次，找到该图；

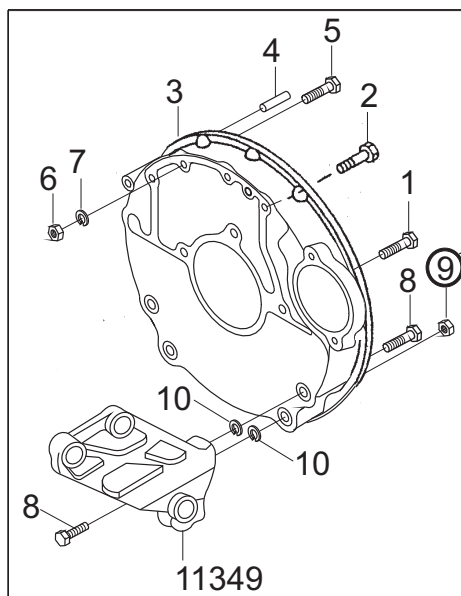
步骤二：在其图中找出所需零部件，以及它所标注的序号；

步骤三：根据这个序号，在其后附表中可以查到系统或零件的详细信息。

订购零部件时，务请写清所需零部件的图号及订购数量

在维修时，请使用正规渠道提供的发动机零部件，以确保叉车质量

恕不能将本产品可能进行的零部件改进在本图册中同时修改，您可以从本公司的销售和配件公司获得最新资料



序号及该系统或总成的全部信息

每一个零部件都有唯一的序号

序号 Item No	图 号 Part No	零部件名称 Description	件数 Qty	备 注 Remark
01	E24C1-62241	Bolt	1	
02	E24C1-62231	Bolt	3	
03	E24C1-62002	Flange, flywheel	1	
04	B3120-12030	Pin	2	
05	E24C1-62230	Pin	3	
06	B4123-00010	Bolt	1	
07	B5050-00010	Nut	1	
08	B0430-12030	Washer, lock	1	
09	B4430-00012	Bolt	1	
10	B5050-00012	Nut	1	GB6170-86
11349	1002027BB	Washer, lock	4	GB93-87
-	1002027BB	Stiffener L.H.	2	GB5785-86
-	1002028BB	Stiffener R.H.	2	GB6173-86
-	-	螺母M10	1	GB93-87
-	-	垫圈10	1	
-	-	螺栓M12X1.25X30	4	
-	-	螺母M12X1.25	2	
-	-	垫圈12	6	
-	-	左加强板	1	
-	-	右加强板	1	

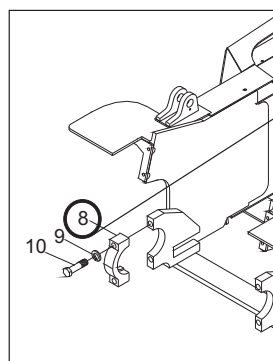
THIS PARTS CATELOGUE COVERS PARTS IN THE MOST OF 4 TO 5 TON FORKLIFT TRUCKS IN H2000 SERIES

Indexing Way

Step1:Finding out the page for the system or assembly required from the indexing contents and turn to the required page, finding out the concerned drawing;

Step2:From the detail drawing, finding out the parts and their item numbers.

Step3:According to these item numbers, find out details of these parts of the system or assembly from attached table.



Every part or componet in the drawing is expressed with only item number

According to these item numbers, find out details of these parts or the system from attached table.

序号 ITEM NO.	零件号 PART NO.	零件名称 PART NAME
01	A7346-10202	转向臂轴总成 SH
02	15080-104-02	螺母 Nut
03	A7346-12052	转向臂轴总成 SH
04	15080-11A	螺母 Nut
05	B1110-02004	轴承总成 Bearing ass'y
06	B0710-02003	螺母 N3/4 Screw
07	B1010-02006	垫圈 3 Washer
08	B0710-02005	垫圈 5 Washer
09	A7346-10302	转向臂轴总成 SH
10	B0152-00020	衬套 20 Shim ring
11	2-01904	衬套 01904 Shim ring

When ordering the parts or components, please indicate the model and series number of the your forklift truck, the drawing number of parts or components you require and their quantity.

When you replace parts or components, please apply the real goods made by our company to ensure the truck's quality.

we reserve modification right without notice

Designations in the CATALOGUE

C	P	C	D	40-w
Engine Code				
4 ton capacity				
C: Diesel Q: Gasoline				
Diesel type				
Forklift truck				

Abbreviations in the CATALOGUE

ASS'Y	assembly
R.H	right hand
L.H	left hand
H.P.	High pressure
L.P.	low pressure

The following trucks are provided with corresponding engine

SERIES	ENGINE
CPQD40~50-R	TB42G
CPCD40~50-W	A-6BG1QC-05
CPCD40~50-L2	LR4105G4H
CPCD40~50-WF	R4105G25

发动机支撑/ENGINE MOUNTING

This diagram illustrates the exploded view of the engine assembly. The components shown are:

- 53215**: A large, rectangular metal bracket or housing.
- 53215M**: A small circular gasket or washer.
- 53215N**: A small circular gasket or washer.
- 11771C**: A small cylindrical component, possibly a pin or bolt.
- 11771E**: A small cylindrical component, possibly a pin or bolt.
- 11771**: A small rectangular metal bracket or housing.

The diagram shows the engine assembly with these components positioned around it, indicating their relative positions and how they fit together.

气缸盖罩/CYLINDER HEAD COVER

图2/FIG2

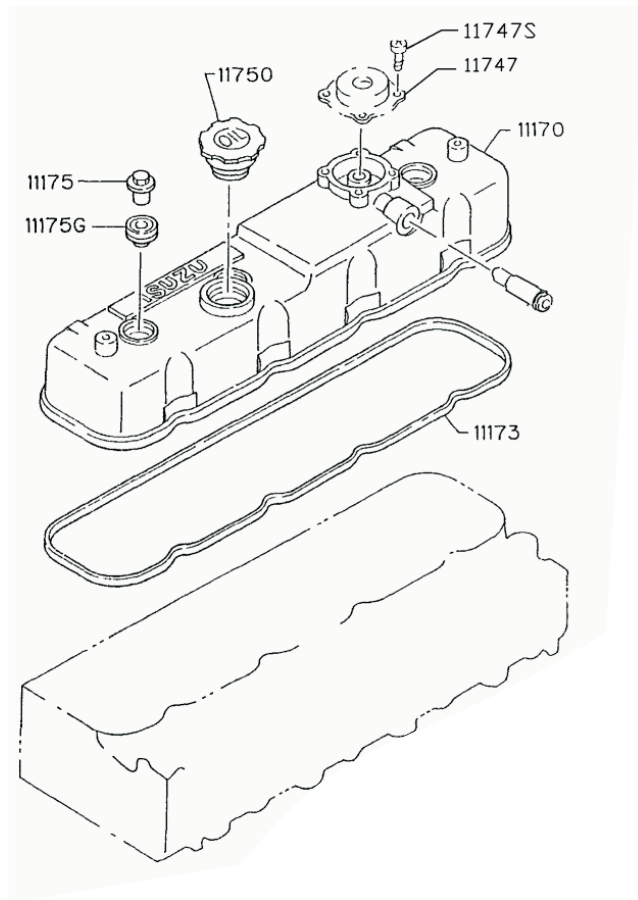
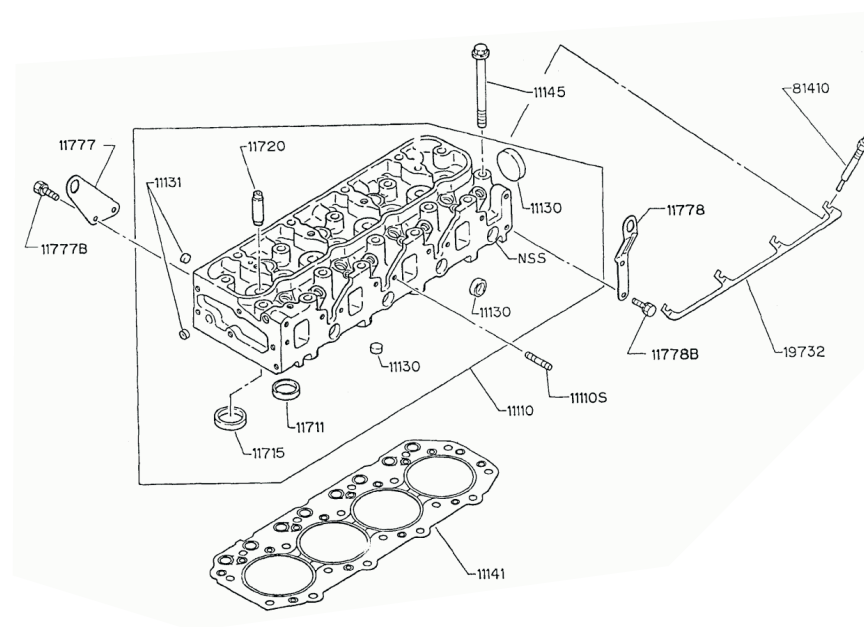
[illegible]

图3/FIG3

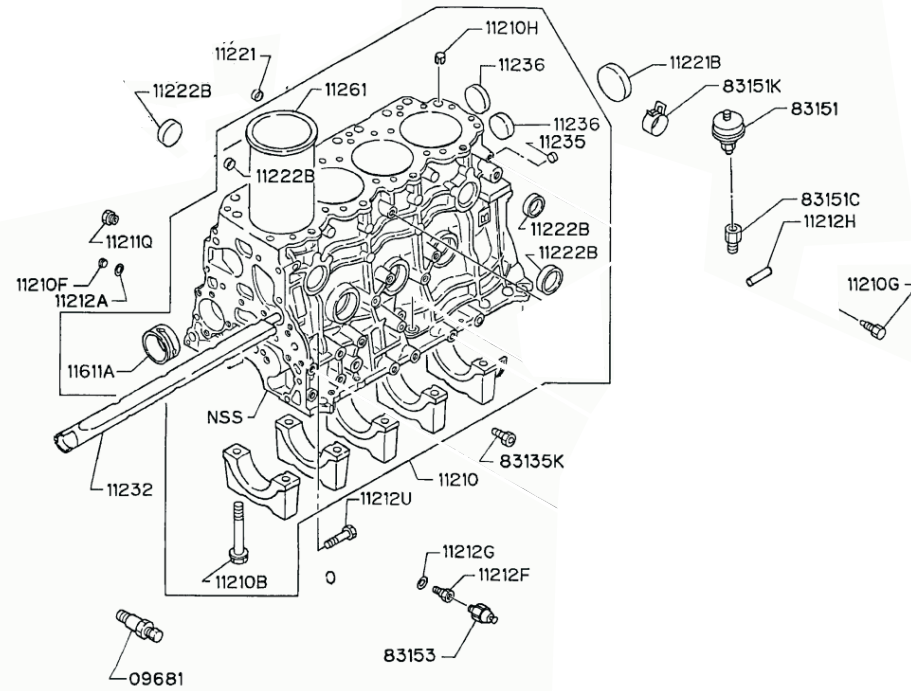
气缸盖/CYLINDER HEAD

序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
11110	1003100BB	Head assembly,cylinder 气缸盖合件	1	
11130	1002116BB	Cup,sealing 碗形塞45	1	
11131	1003105BB	Cup,sealing 碗形塞22	7	
111310	1002111BB	Cup,sealing 碗形塞16	3	
11130	1002109BB	Cup,sealing 碗形塞12	5	
11141	1002060BB	Gasket,cylinder 气缸垫结合件	1	
11145	1003014BB	Bolt 缸盖螺栓	18	
11711	1003103BB	Insert,valve seat,exhaust 排气门座	4	
11715	1003102BB	Insert,valve seat,int 进气门座	4	
11720	1003104BB	Guide,valve 气门导管	8	
11777	1003070BB	Hanger,front 前吊环焊合件	1	
11777B	Q1420820	Bolt,hanger 螺栓组合件	1	
	Q151C1030	Bolt 六角头螺栓	1	
	Q40310	Washer,lock 弹簧垫圈	1	
11778	1003022BB	Hanger,rear 发动机后吊环	1	
11778B	Q1420825	Bolt,hanger 螺栓组合件	2	
19732	3770011BB	Connector 电热塞连接板	1	
81410	3770100BB	Plug,glow 电热塞	4	



气缸体/CYLINDER BLOCK

图4/FIG4



序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
11210	1002100BB	Block assembly, cylinder气缸体合件	1	
11210B	1002108BB	Bolt 主轴承螺栓	10	
12210F(A)	1002901BB	Plug 六角法兰面螺塞M14	1	
11210F(B)	Q61901	Plug 内六角锥形螺塞	2	
11210G	1002912BB	Plug 放水螺塞	1	
11210H	1002904BB	Dowel 开口弹性圆柱定位销	2	
11210L	1002902BB	Stud 双头定位螺栓	10	
11211Q	3701314BB	Nipple 油道六角管接头	1	
11212A	1002902BB	Gasket 铜垫圈14	1	
11212F	1002035BB	Nipple 油压感应塞座	1	
11212G	1002909BB	Gasket 铜垫圈8	1	
11212H	Q5221032	Pin 圆柱销	1	
11212R	Q5221020	Pin 圆柱销	2	
11221	1002111BB	Cup,Sealing 碗形塞16	2	
11221B	1002117BB	Cup,Sealing 碗形塞56	1	
11222B	1002112BB	Cup,Sealing 碗形塞18	3	
11222B	1002114BB	Cup,Sealing 碗形塞36	4	
11222B	1002116BB	Cup,Sealing 碗形塞45	3	
11222B	1002113BB	Cup,Sealing 碗形塞32	2	
11232	1002050BB	Duck,water 导水管焊合件	1	
11235	1002109BB	Cup,Sealing 碗形塞12	1	
11236	1002115BB	Cup,Sealing 碗形塞38	1	
11261	1002102BB	Liner,cylinder block 气缸套	4	
11611A	1002106BB	Bearing 前凸轮轴衬套	1	
11611A	1002107BB	Bearing 中、后凸轮轴衬套	2	
83153	1002080BB	Unit,oil pressure 机油压力感应头	1	

图5/FIG5

齿轮室端总成/TIMING GEAR CASE

序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
01	E24C1-52002	Case 齿轮室	1	
02	E24C1-52012	Cover 齿轮室盖	1	
03	B5050-00012	Washer,lock 垫圈12	1	
04	6206DU	Bearing 轴承6206DU	2	NSK
05	E24C1-52062	Gear 惰齿轮C	1	
06	HR30206J	Bearing 轴承HR30206J	2	NSK
07	E24C1-52072	Adjustive board 调整板	1	
08	E24C1-52081	Cover 盖板	1	
09	E24C1-52091	Gasket 盖板垫片	1	
10	B0330-08030	Bolt 螺栓M8X30	4	GB5783-86
11	B4123-00008	Nut 螺母M8	1	GB6170-86
12	E24C1-52102	Gear 液压油泵齿轮	1	
13	B0330-08020	Bolt 螺栓M8X20	8	GB5783-86
14	B5050-00008	Washer,lock 垫圈8	30	GB93-87
15	E24C1-52111	Gasket 齿轮室盖垫片	1	
16	E24C1-52122	Seat 油泵座	1	
17	E24C1-52132	Gasket 油泵座垫片	1	
18	E24C1-52141	Cover 油泵座盖	1	
19	E24C1-52151	Gasket 油泵座盖垫片	1	
20	B7023-10035	Stud 螺柱M10X1.25X35	2	GB898-88
21	B5050-00010	Washer,lock 垫圈10	2	GB93-87
22	B5310-00010	Washer 平垫圈10	2	GB97.1-85
23	B4216-00010	Nut 螺母M10X1.25	2	GB6171-86
24	B0330-08016	Bolt 螺栓M8X16	5	GB5783-86
25	B0230-08080	Bolt 螺栓M8X80	12	GB5782-86
26	B0230-08050	Bolt 螺栓M8X50	4	GB5782-86
27	B3130-10020	Pin 销10X20	2	GB119-86
28	B0230-12065	Bolt 螺栓M12X65	1	GB5782-86
11312	1002012BB	Gasket 齿轮室垫	1	
12365F	1002450BB	Seal,oil 曲轴前油封	1	
11323	1002403BB	Cover 检视孔盖板	2	
11323B	Q1420612	Bolt 螺栓组合件	4	
11323G	1002404BB	Gasket 盖板垫	2	

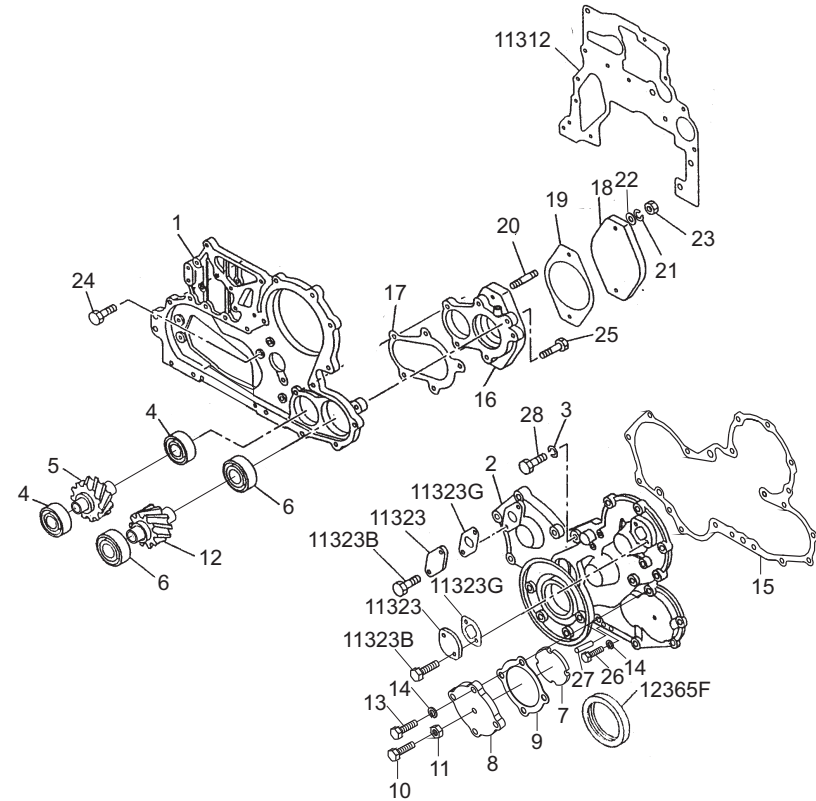


图6/FIG6

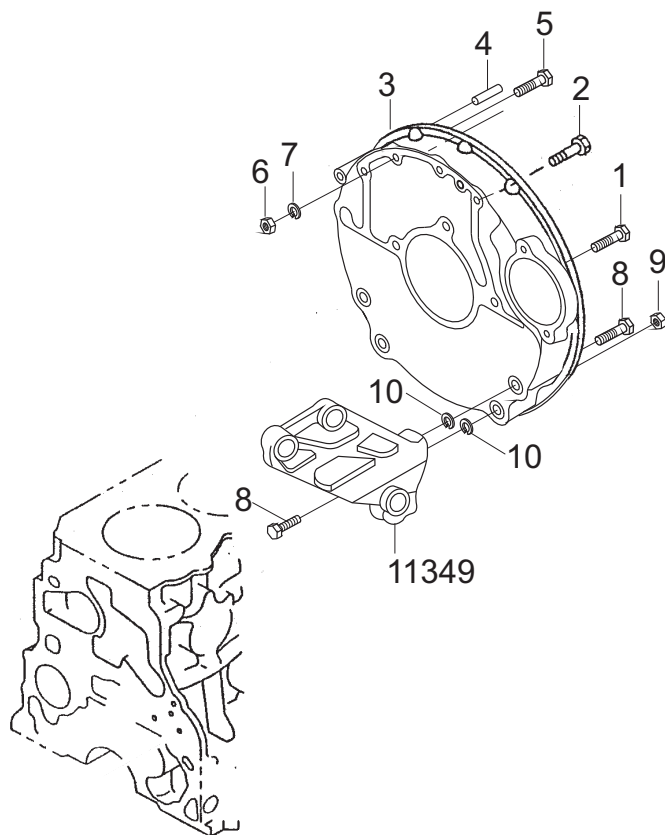
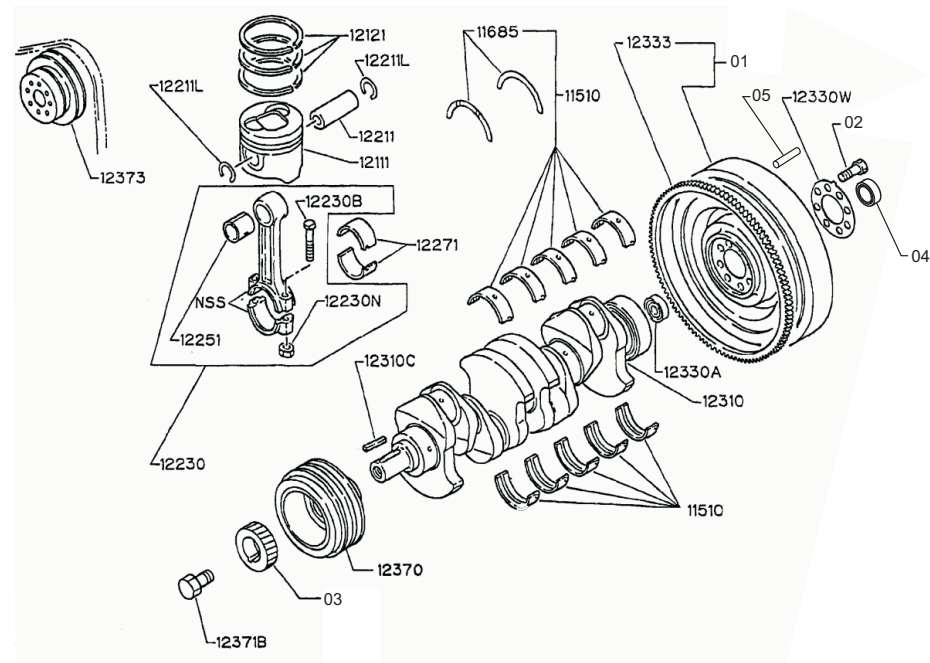
[illegible]

图7/FIG7

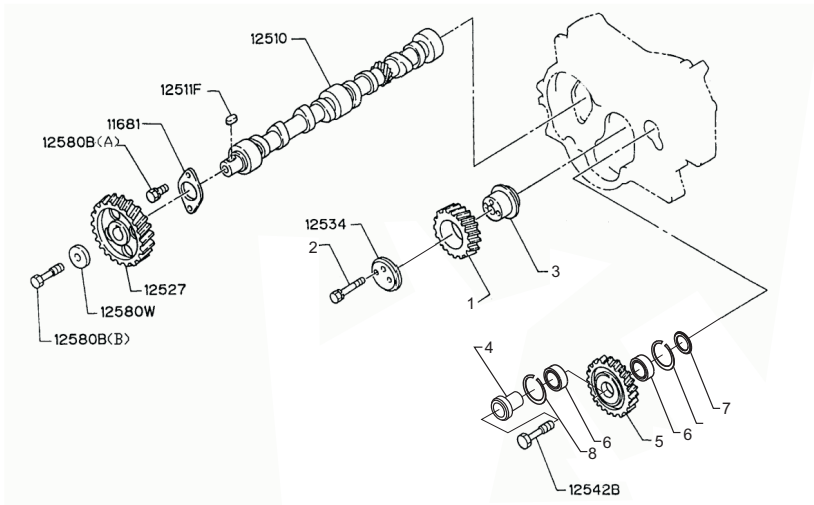
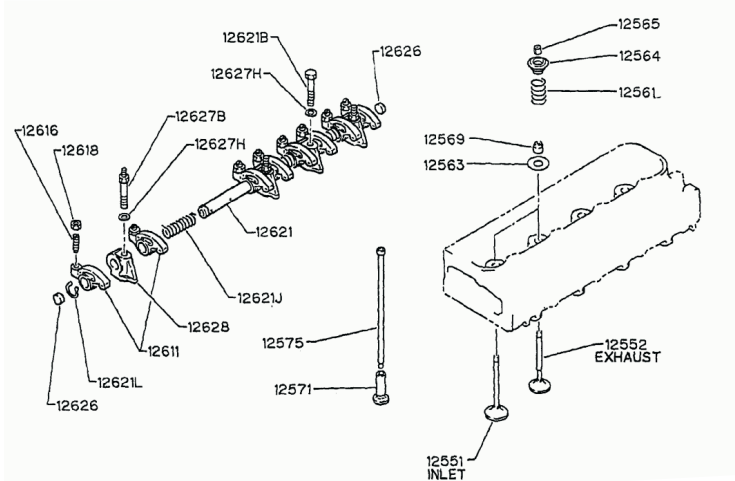
活塞连杆及曲轴飞轮总成/CRANKSHAFT PISTON AND FLYWHEEL

序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
11510	1002015BB	Bearing kit 上主轴瓦	5	
11510	1002016BB	Bearing kit 下主轴瓦	5	
11685	1002014BB	Washer,crankshaft 曲轴止推片	2	
12111	1004060BB	Piston 活塞部件	4	
12121	1004014BB	Ring set 第一道气环	4	
12121	1004015BB	Ring set 第二道气环	4	
12121	1004050BB	Ring set 油环合件	4	
12211	1004011BB	Pin 活塞销	4	
12211L	1004012BB	Pin 活塞销卡环	8	
12230	1004100BBA1	Rod assembly 连杆部件	4	
12230B	1004104BBA1	Bolt 连杆螺栓	8	
12230N	1004105BB	Nut 连杆螺母	8	
12251	1004102BB	Bushing 连杆衬套	4	
12271	1004018BB	Bearing set 连杆轴瓦	8	
12310	1005011BBA1	Crankshaft 曲轴	1	
12310C	1005016BB	Key 曲轴平键	1	
12330A	80203-GB278	Bearing 滚动轴承	1	
12330W	1005015BB	Washer 飞轮螺栓垫板	1	
12333	1005062BB	Gear,ring 齿圈	1	
12370(C)	1005050BB	Pulley 减震皮带轮合件	1	
12371B	1005017BB	Bolt 皮带轮螺栓	1	
12373	1307011BB	Pulley 水泵皮带轮	1	
01	E24C1-60201	Flywheel assembly 飞轮总成	1	
02	E24C1-62221	Bolt 飞轮螺栓	8	
03	E24C1-52022	Gear 曲轴正时齿轮	1	
04	Z-6302	Bearing 深沟球轴承6302-2Z	1	
05	B3120-06016	Pin 圆柱销6X16	2	



凸轮轴总成及摇臂机构/CAMSHAFT AND LEVER

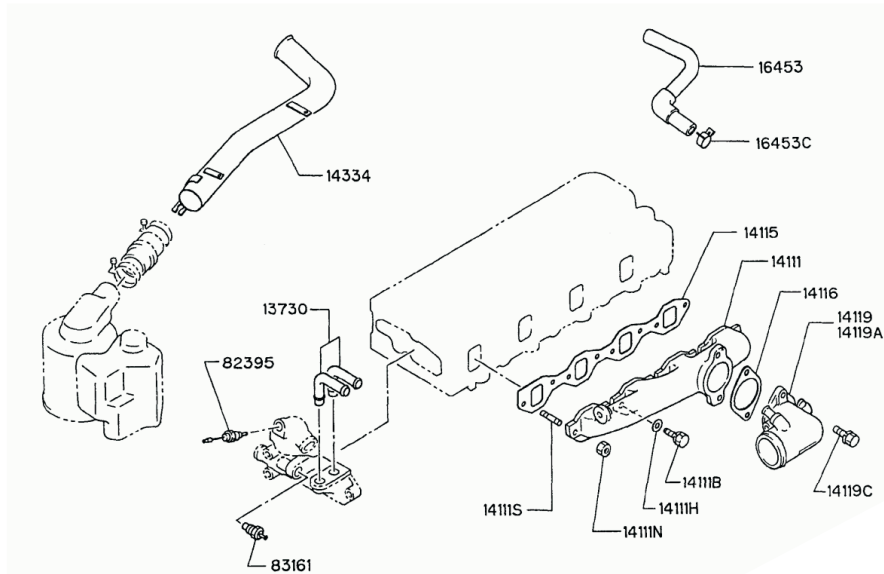
图8/F1G8



序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
11681	1006013BB	Plate 凸轮轴止推板	1	
12510	1006011BB	Camshaft 凸轮轴	1	
12511F	1006901BB	Key 凸轮轴平键	1	
12527	1006012BB	Gear 凸轮轴齿轮	1	
12534	1002202BB	Collar 惰齿轮A压板	1	
12542B	1002305BB	Bolt 螺栓	1	
12551	1003011BB	Valve 进气门	4	
12552	1003012BB	Valve 排气门	4	
12561	1003013BB	Spring 气门弹簧	8	
12563	1003019BB	Seat 气门弹簧下垫片	8	
12564	1003017BB	Spring 气门弹簧座	8	
12565	1003018BB	Collar 气门锁片	16	
12569	1003060BB	Seal 气门导管油封合件	8	
12571	1007011BB	Tappet 挺柱	8	
12575	1007050BB	Rod,push 推杆焊合件	8	
12580B(B)	1006015BB	Bolt 凸轮轴齿轮螺栓	1	
12580B(A)	Q1420816	Bolt 螺栓组合件	2	
12580W	1006014BB	Washer,gear cam 齿轮压板	1	
12611	1007150BB	Arm,rocker 摇臂合件	8	
12616	1007107BB	Scraw 气门调节螺钉	8	
12618	1007108BB	Nut 气门调节螺母	8	
12621	1007161BB	Shaft,rocker arm 摇臂轴	1	
12621B	1007106BB	Bolt,rocker Shaft 摇臂轴支座螺栓	1	
12621C	1007104BB	Washer 垫圈	6	
12621J	1007103BB	Spring 摇臂轴弹簧	3	
12621L	Q43119F3	Ring,snap 轴向弹簧挡圈	2	
12626	Q72212	Plug 碗形塞	2	
12627B	1007105BB	Bolt 六角双头螺栓	3	
12627H	Q40010	Washer 小垫圈	4	
12628	1007102BB	Bracket 摇臂轴支座	4	

进气歧管/INLET MANIFOLD

图9/FIG9

[illegible]

排气歧管/EXHAUST MANIFOLD

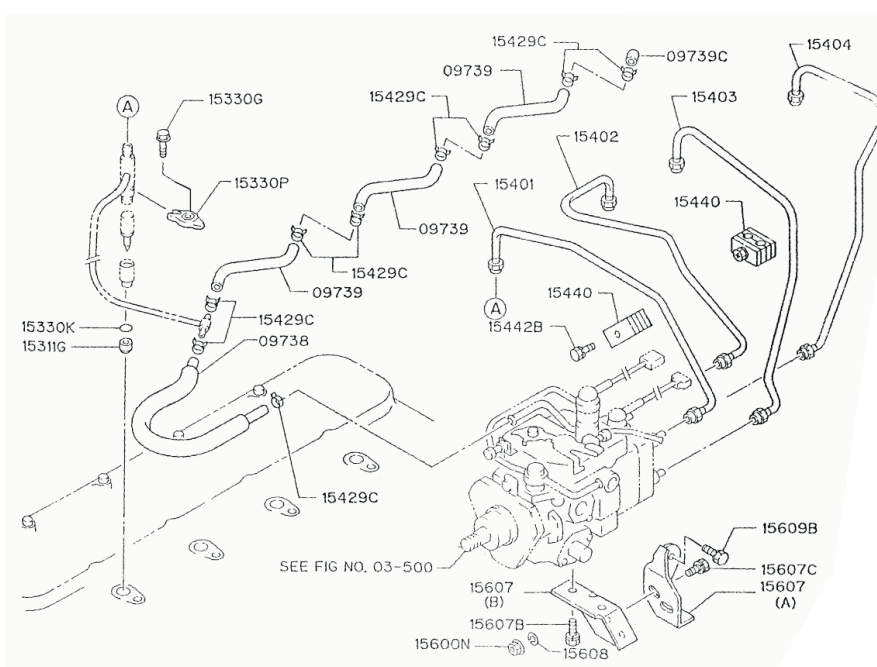
图11/FIG11



图12/FIG12

燃油管路/FUEL PIPE AND FILTER

序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
09738	1112250BB	Hose 回油软管合件	1	
09739	1112202BB	Hose 回油软管	3	
09739C	1112203BB	Cap 回油管端盖	1	
15311G	1112011BB	Gasket 喷油器垫	4	
15330G	1003901BB	Bolt 喷油器紧固螺栓	4	
15330K	1112012BB	Gasket 0型密封圈	4	
15330P	1003015BB	Bracket 喷油器压块	4	
15440	1129100BB	Clip 高压油管加紧装置	2	
15401	1129200BB	Pipe 第一缸高压油管总成	1	
15402	1129300BB	Pipe 第二缸高压油管总成	1	
15403	1129400BB	Pipe 第三缸高压油管总成	1	
15404	1129500BB	Pipe 第四缸高压油管总成	1	
15429C	1112902BB	Clip 回游软管弹性环箍	9	
15607(A)	1111013BB	Bracket 喷油泵支架A	1	
15607(B)	1111200BB	Bracket 喷油泵后支架B	1	
15607B	Q1421020	Bolt 螺栓组合件	2	
15607C	Q1420825	Bolt 螺栓组合件	2	
15607C	1111901BB	Washer 平垫圈	2	
15609B	Q1460820	Bolt 螺栓组合件	2	



机油泵和机滤器/OIL PUMP AND OIL FILTER

图13/FIG13

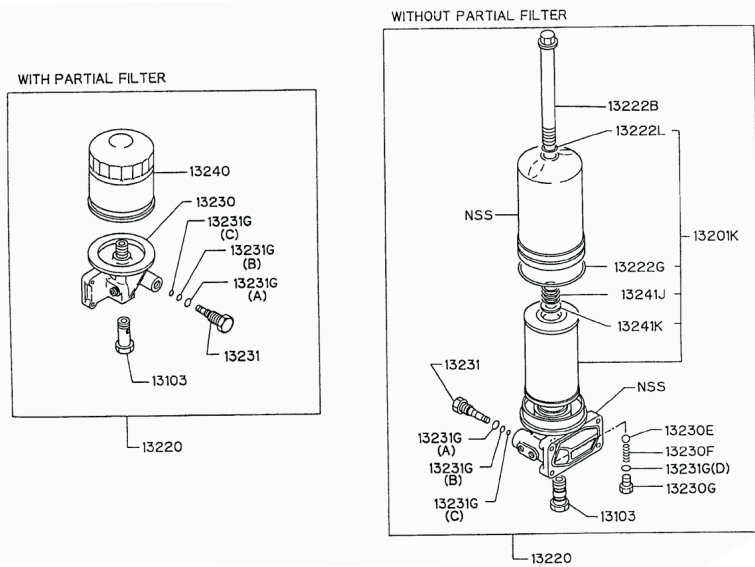
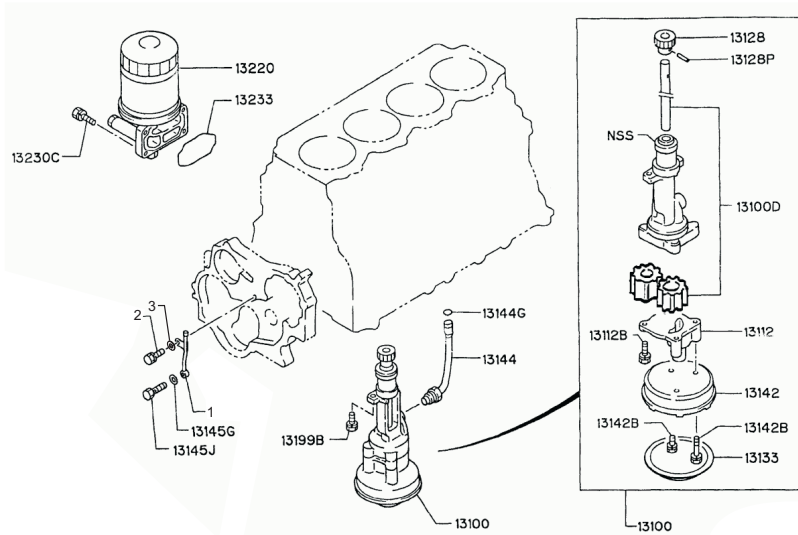
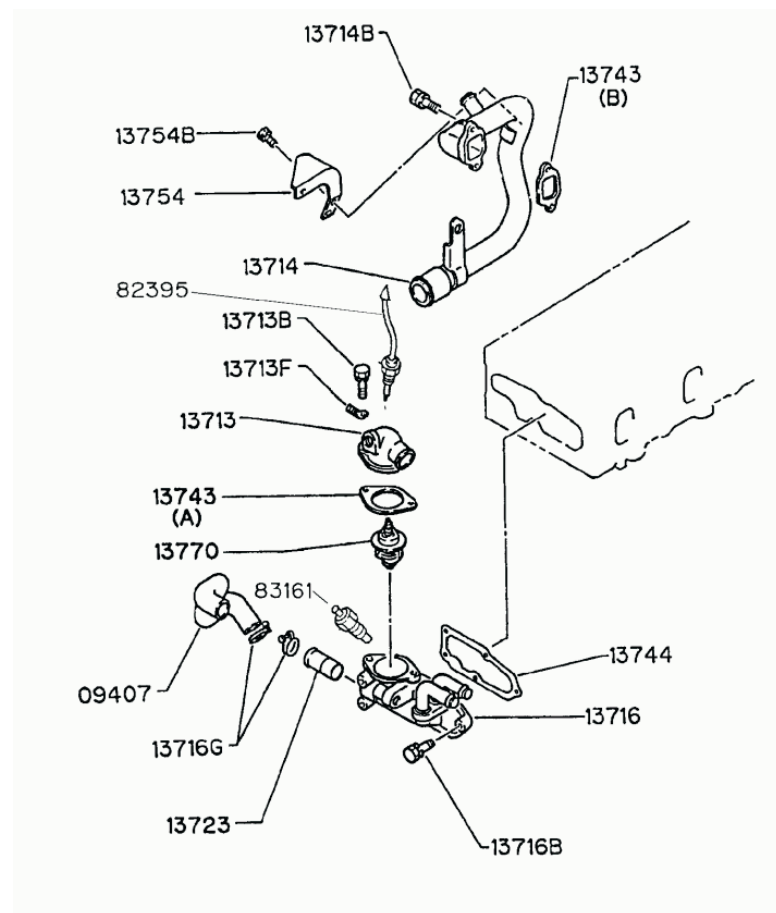
[illegible]

图14/FIG14

节温器及其连接管/THERMOSTAT AND HOUSING

序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
09407	130311BB	Hose 小循环软管	1	
13713	1306200BB	Pipe 节温器上壳总成	1	
13713B	Q1460830	Bolt 螺栓组合件	2	
13713F	1306011BB	Clip 线束夹	1	
13714	1303050BB	Pipe 进水管焊合件	1	
13714B	Q1420820	Bolt 螺栓组合件	2	
13716	1306300BB	Housing, thermostat 节温器下壳总成	1	
13716B	Q1420830	Bolt 螺栓组合件	3	
13716B	Q1420870	Bolt 螺栓组合件	2	
13716G	Q67232	Clip 双钢丝式环箍	2	
13723	1306303BB	Pipe 水管接头	1	
13743	1306012BB	Gasket 上壳垫片	1	
13743(B)	1303012BB	Gasket 进水管垫	1	
13744	1306013BB	Gasket 下壳垫片	1	
13754	1306060BB	Protector 隔热板铆合件	1	
13754B	Q1460816	Bolt 螺栓组合件	3	
13770	1306050BB	Thermostat 节温器	1	
82395	1306350BB	Thermometer 水温传感器	1	
83161	1306250BB	Switch 冷起动传感器	1	



水泵总成/WATER PUMP

图15/FIG15

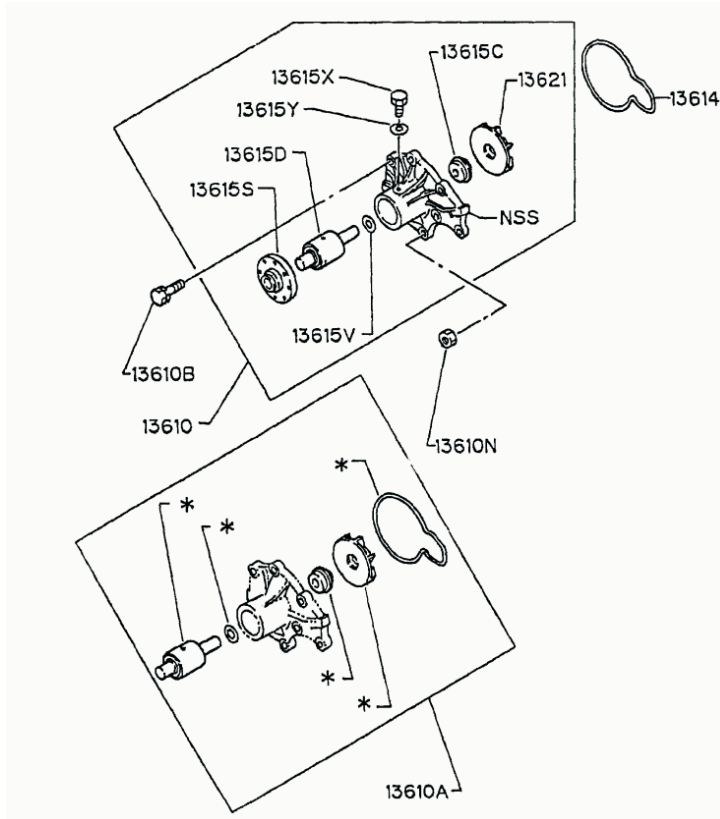
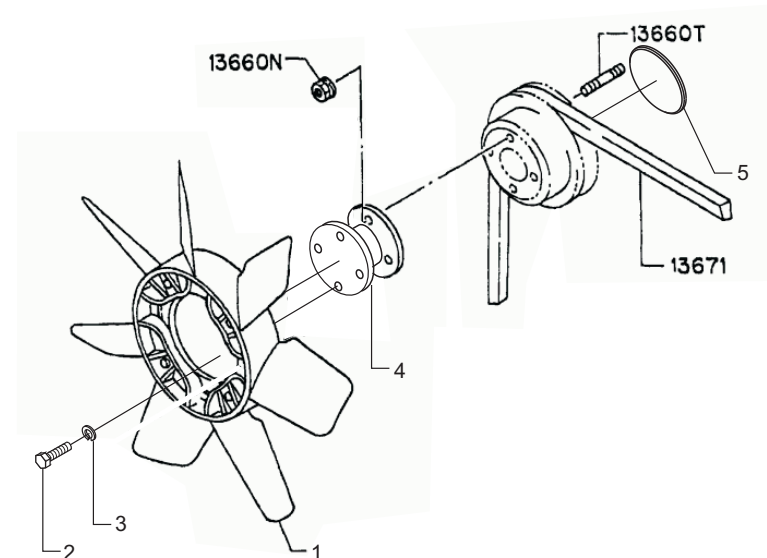
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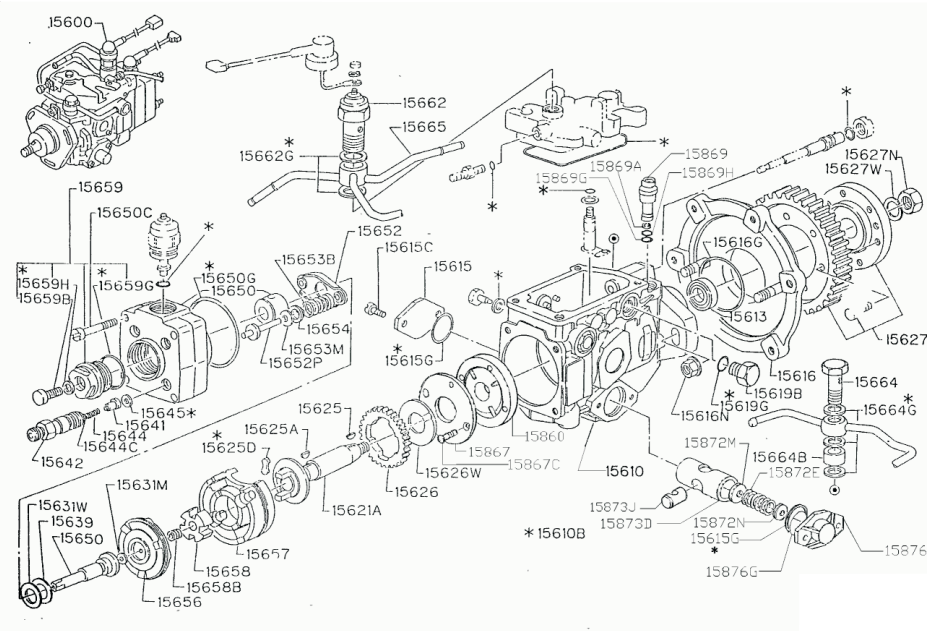
图16/FIG16

风扇及风扇皮带/FAN AND FAN BELT

[illegible]

喷油泵/INJECTION PUMP EXCEPT HIGH ALTITUDE

图17/FIG17



序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
15600	1111330BB	Pump	1	喷油泵
15610	*	Housing pump	1	喷油泵壳
15610B	*	Cover,housing	1	维修部件总成
15613	*	Seal,oil	1	油封
15615	*	Gasket	1	端盖
15615C	*	Screw	2	端盖紧固螺钉
15615G	*	Gasket	1	密封圈
15616	1111301BB	Flange	1	油泵法兰
15616G	1111303BB	O-ring	2	油泵O型密封圈
15616N	Q32008	Nut	1	六角法兰面锁紧螺母
15619B	*	Plug	1	螺塞
15619G	*	O-ring	1	O型密封圈
15621A	*	Shaft,drive	1	驱动轴
15625	*	Key	1	键
15625A	*	Key	2	键
15625D	*	Damper	1	减震块
15626	*	Gear	1	齿轮
15626W	*	Washer	1	垫圈
15627	1111350BB	Gear	1	喷油泵齿轮合件
15627N	Q341B14	Nut	1	六角螺母
15627W	Q40314	Wahser,lock	1	弹簧垫圈
15631M	*	Washer	1	垫圈
15631W	*	Washer	1	垫圈
15639	*	Shim	1	垫片
15641	*	Valve	1	出油阀
15642	*	Holder	4	出油阀座
15644	*	Spring	4	弹簧
15644C	*	Stopper	4	限位阀
15645	*	Washer	4	垫圈
15650	*	Head assembly	1	分配泵总成

图17/FIG17

喷油泵/INJECTION PUMP EXCEPT HIGH ALTITUDE

序号 Item No	图 号 Part No	零部件名称 Description	件数 Q'ty	备 注 Remark
15650C	*	Screw 螺钉	3	
15650G	*	Gasket 垫片	1	
15652	*	Seat 弹簧座	1	
15652P	*	Pin 导销	2	
15653B	*	Spring 弹簧	1	
15653M	*	Shim 垫圈	按需	
15654	*	Seat 弹簧座	2	
15656	*	Cam,disc 凸轮盘	1	
15657	*	Bearing,roller 滚轮轴承	1	
15658	*	Disc 减震盘	1	
15658B	*	Spring 弹簧	1	
15659	*	Plug 螺塞	1	
15659B	*	Bolt 螺栓组合件	1	
15659G	*	Gasket 垫圈	1	
15659H	*	Gasket 垫圈	1	
15662	*	Valve 回油电磁阀总成	1	
15662G	*	Gasket 垫圈	2	
15664	*	Bolt 有眼螺栓	1	
15664B	*	Spacer 隔套	1	
15664G	*	Gasket 垫圈	3	
15665	*	Pipe 回油管	1	
15860	*	Pump 输油泵	1	
15867	*	Cover 盖	1	
15867C	*	Screw 螺钉	2	
15869	*	Valve 调节阀	1	
15869A	*	Ring,spring 卡环	1	
15869G	*	Gasket 垫圈	1	
15869H	*	Gasket 垫圈	1	
15872E	*	Spring 弹簧	1	
15872M	*	Shim 垫片	1	

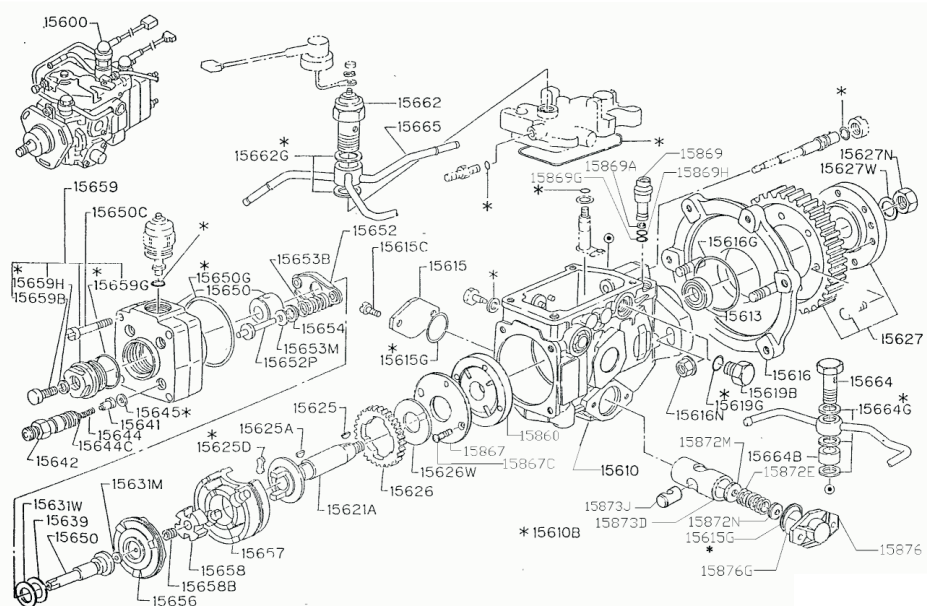
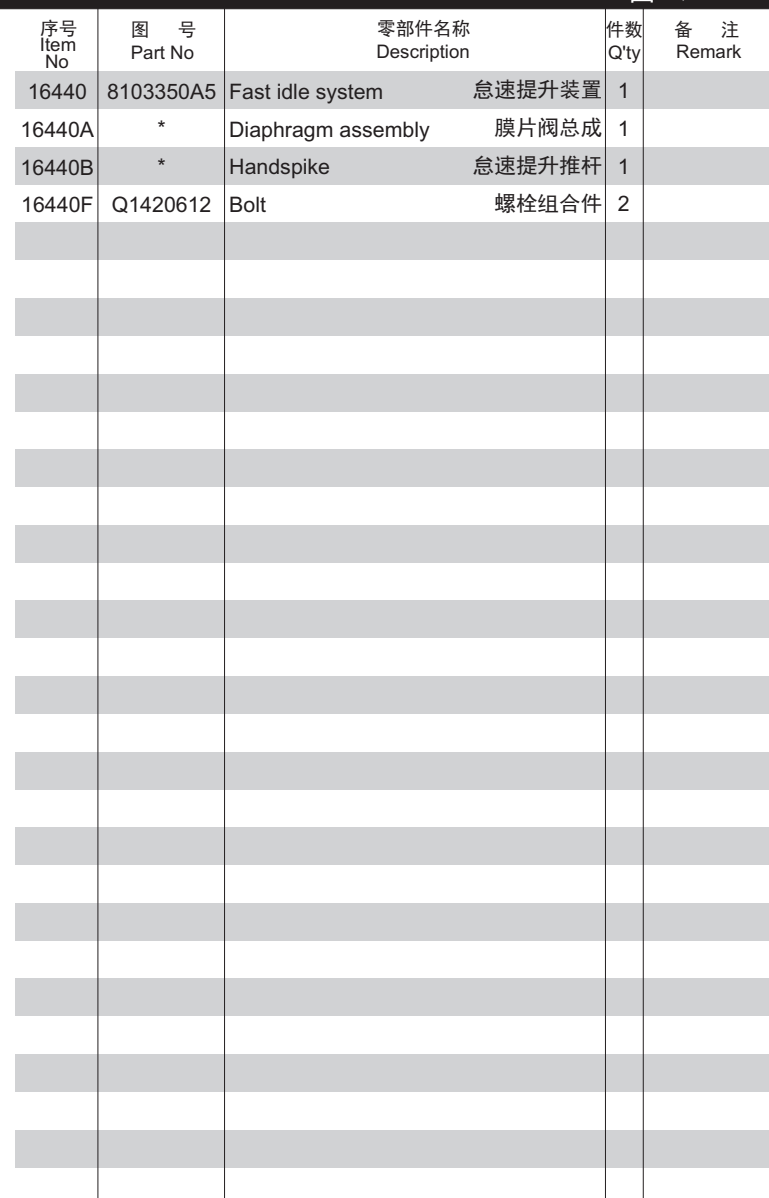
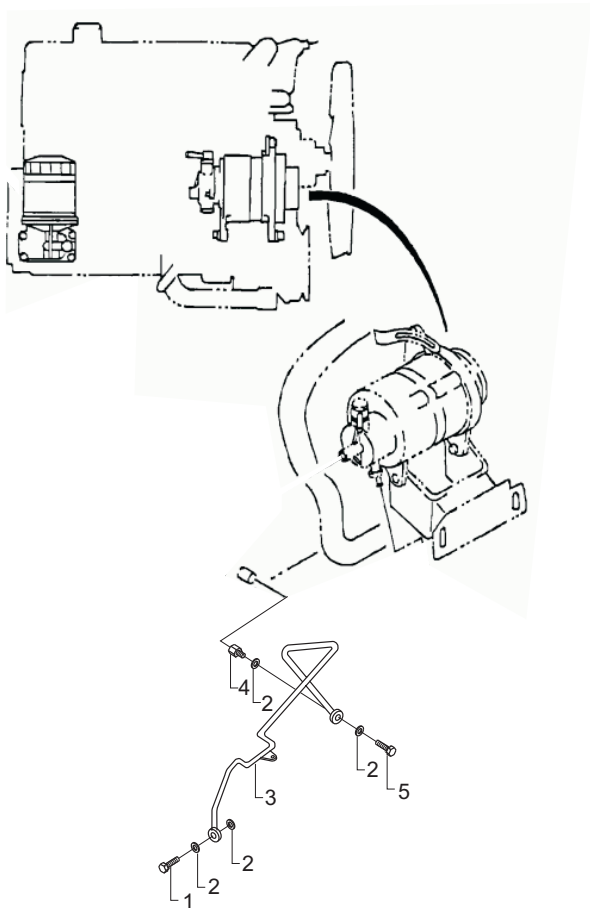


图20/FIG20



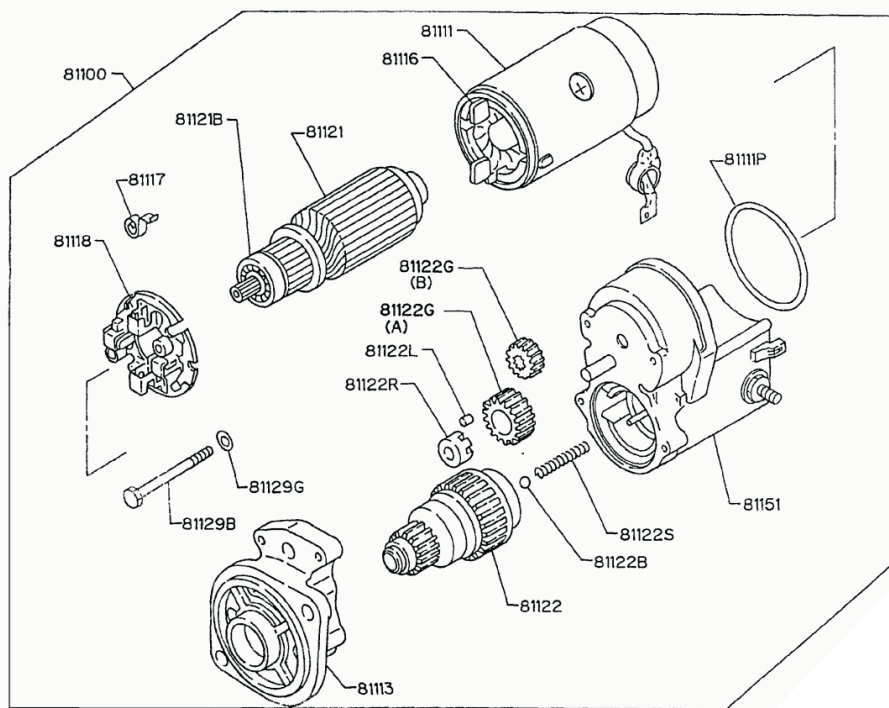
发动机润滑油管/OIL PIPING, ENGINE

图22/FIG22

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起动机/STARTER

图24/FIG24

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