

0CW10-M35400EN

PREFACE

1. This parts catalog is the 1st edition of 2TNV70-KAR for YA.

Pub.No.: 000Y00W3540

Published : April, 2008

2. Model name

Engine model	Vehicle	Vehicle made by
	Products	
2TNV70-KAR	APU	YA

Directions for the Parts Catalog.

- 1.This Parts Catalog shows both standard and optional parts.
- 2.Parts may change without prior notice.
- 3.The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)										
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1		1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1	N	1
		(A=E00185) (B=E00200)								
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9		
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4	K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)								
4	2	129470-51040	CAMSHAFT	1	1	1	1	1		
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2		
6	2	129470-51060	RETAINER	1	1	1	1	1		

Remarks

(1) BOOST COMPEMSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks

Figures or alphabets (symbols) are entered in the remarks column.

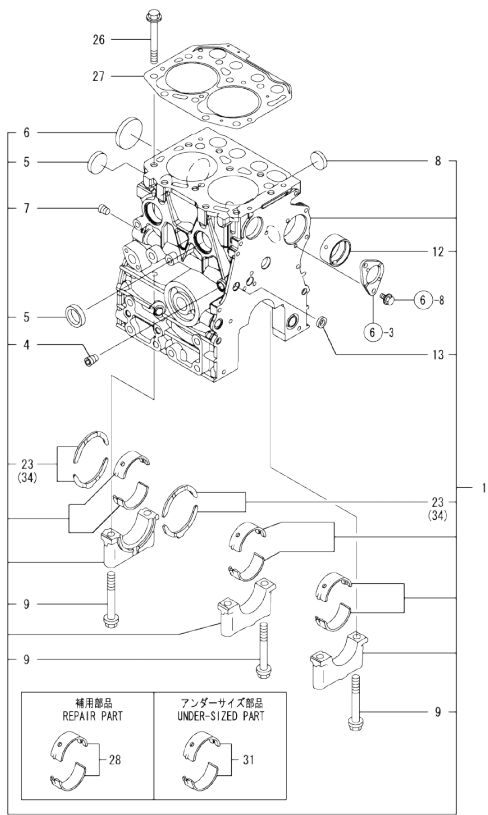
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

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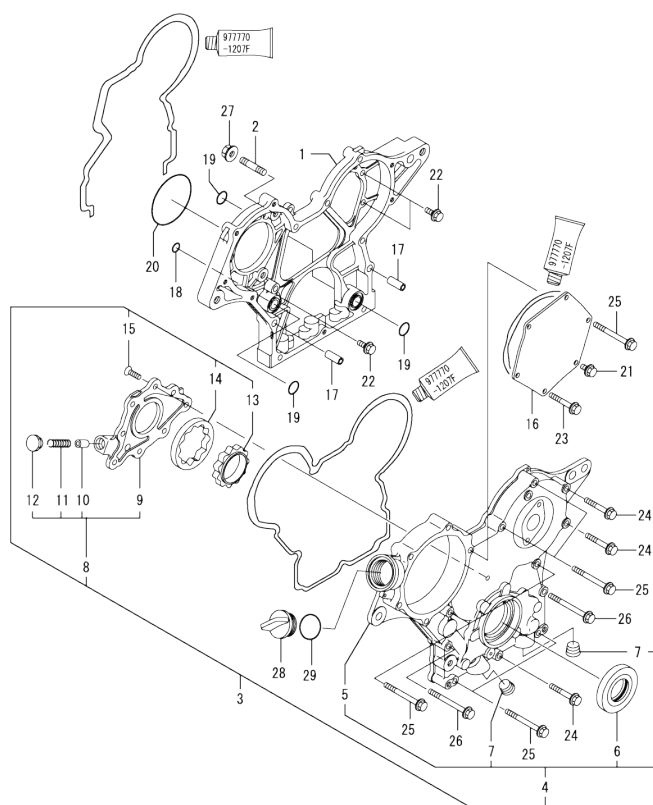
Fig. No.	Fig. Name	Fig. No.	Fig. Name
2TNV70-KAR			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	EXHAUST MANIFOLD		
6.	CAMSHAFT & DRIVING GEAR		
7.	CRANKSHAFT & PISTON		
8.	LUB.OIL SYSTEM		
9.	COOLING WATER SYSTEM		
10.	FUEL INJECTION PUMP		
11.	GOVERNOR		
12.	FUEL INJECTION VALVE		
13.	FUEL LINE		
14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		

Fig.1. CYLINDER BLOCK



Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

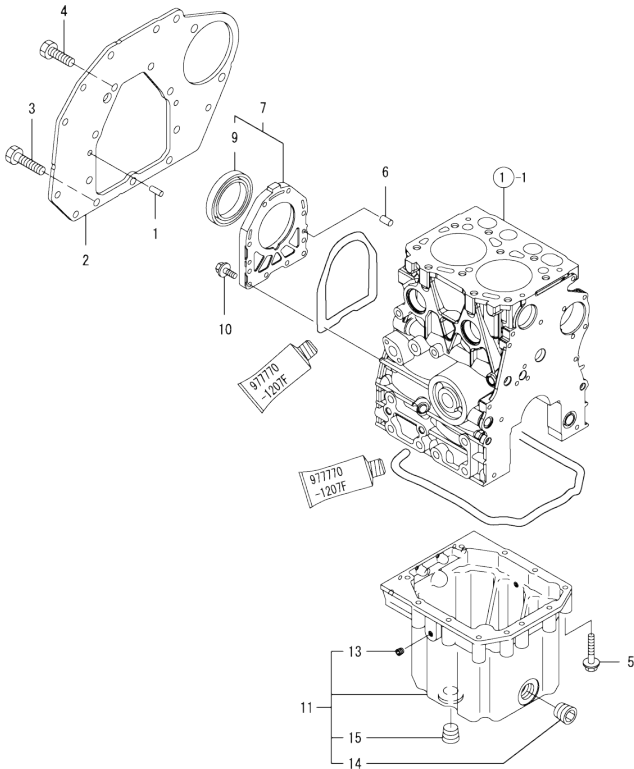
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719415-01561	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	105311-01090	PLUG, 30	3							
6	2	119623-01250	PLUG, 45	1							
7	2	124160-01910	PLUG, PT1/4	1							
8	2	119285-01990	PLUG, 25	2							
9	2	119620-02020	BOLT, METAL CAP	6							
12	2	119717-02411	BUSH, CAMSHAFT	1							
13	2	27241-120000	PLUG, 12	1							
23	2	119717-02930	BEARING, THRUST	2							
26	1	119515-01200	BOLT, HEAD	10							
27	1	119415-01330	GASKET, HEAD	1							
28	1	719717-02901	BEARING, MAIN	3							1
31	1	719717-02911	BEARING, 0.25 US	3							2
34	1	119810-02941	BEARING, THRUST 0.25	2							3



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-01501	CASE, GEAR	1							
2	1	119717-01570	STUD	3							
3	1	119734-01590	COVER ASSY,GEAR CASE	1							
4	2	719734-01500	COVER ASSY,GEAR CASE	1							
5	3	119717-01521	COVER, GEAR CASE	1							
6	3	119717-01800	SEAL, OIL	1							
7	3	23876-030000	PLUG, R03	2							
8	2	119717-32100	COVER ASSY	1							
9	3	119717-32080	COVER	1							
10	3	129900-32130	VALVE, RELIEF	1							
11	3	129001-32320	SPRING	1							
12	3	129001-32330	PLUG	1							
13	2	119717-32110	ROTOR, INNER	1							
14	2	119717-32120	ROTOR, OUTER	1							
15	2	119802-32130	SCREW, M6X16	8							
16	1	119717-01750	COVER	1							
17	1	119660-01911	PIPE, KNOCK	4							
18	1	119624-32040	O-RING, P12.0	1							
19	1	119717-32050	O-RING, P17.0	3							
20	1	121850-51960	O-RING	1							
21	1	26106-060122	BOLT, M6X 12 PLATED	1							
22	1	26106-060162	BOLT, M6X 16 PLATED	4							
23	1	26106-060402	BOLT, M6X 40 PLATED	4							
24	1	26106-060402	BOLT, M6X 40 PLATED	3							
25	1	26106-060602	BOLT, M6X 60 PLATED	7							
26	1	26106-060652	BOLT, M6X 65 PLATED	2							
27	1	26306-080002	NUT, M8	3							
28	1	124160-01751	COVER, FILLER	1							
29	1	24311-000320	O-RING, 1AP32.0	1							

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Fig.3. MOUNTING FLANGE & OIL SUMP



0CW10-M35400 Fig.3

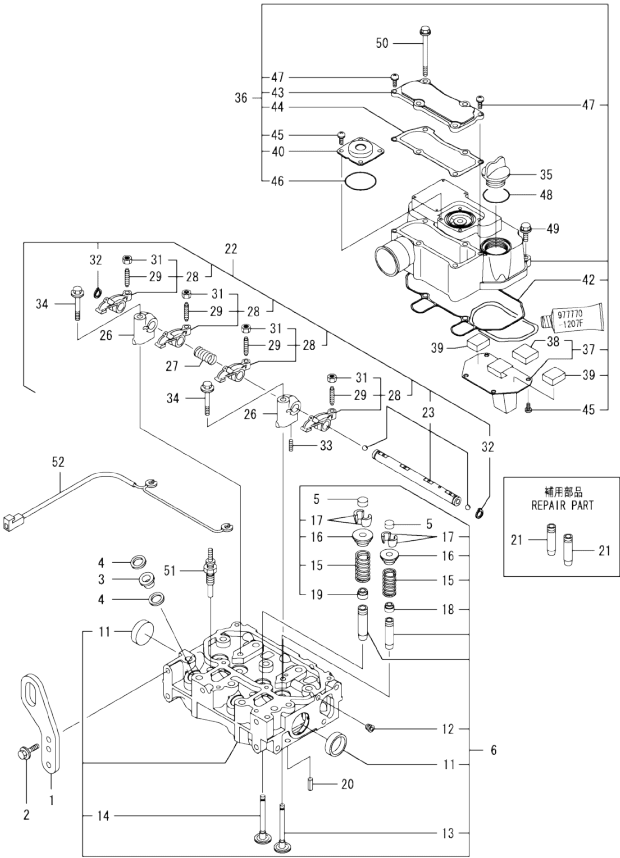
(A)=2TNV70-KAR
(B)=
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	119718-01600	FLANGE, MOUNTING	1							
3	1	26206-100252	BOLT, M10X 25 PLATED	3							
4	1	26206-100202	BOLT, M10X 20 PLATED	7							
5	1	26106-060452	BOLT, M6X 45 PLATED	11							
6	1	119620-01620	PIN, M6X10	2							
7	1	119734-01640	CASE ASSY, OIL SEAL	1							
9	2	119734-02220	SEAL, OIL	1							
10	1	26106-060222	BOLT, M6X 22 PLATED	10							
11	1	119416-01770	SUMP ASSY, OIL	1							
13	2	119285-01731	PLUG, NPT 1/8	2							
14	2	129486-01740	PLUG, DRAIN 3/4NPT	1							
15	2	124085-01771	PLUG, NPT 1/2	1							

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

0CW10-M35400 Fig.4

(A)=2TNV70-KAR
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129486-07901	LIFTER	1							
2	1	26106-080142	BOLT, M8X 14 PLATED	2							
3	1	129901-11450	PROTECTOR, NOZZLE	2							
4	1	119600-11460	GASKET, NOZZLE	4							
5	1	105010-11490	CAP, VALVE	4							
6	1	119415-11740	HEAD ASSY, CYLINDER	1							
11	2	119285-11990	PLUG, 35	2							
12	2	23876-005000	PLUG, R005	1							
13	2	119515-11101	VALVE, INTAKE	2							
14	2	119515-11110	VALVE, EXHAUST	2							
15	2	119717-11131	SPRING, VALVE	4							
16	2	129508-11180	RETAINER, SPRING	4							
17	2	119717-11190	COTTER	8							
18	2	119717-11340	SEAL, VALVE STEM	2							
19	2	119717-11350	SEAL, VALVE STEM	2							
20	1	22351-060012	PIN, SPRING 6.0X12	2							
21	1	119515-11800	GUIDE, VALVE	4							1
22	1	119415-11200	SUPPORT ASSY, ARM	1							
23	2	119415-11240	SHAFT ASSY, ROCKER	1							
26	2	119717-11260	SUPPORT, ROCKER ARM	2							
27	2	119515-11280	SPRING	1							
28	2	119717-11650	ARM, ROCKER	4							
29	3	129150-11230	SCREW, VALVE ADJUST	4							
31	3	129150-11750	NUT, M8	4							
32	2	22242-000120	RING, 12	2							
33	2	26979-050162	SCREW, M5X16	1							
34	1	26106-080402	BOLT, M8X 40 PLATED	2							
35	1	124160-01751	COVER, FILLER	1							
36	1	119416-11380	BONNET ASSY, HEAD	1							
37	2	119717-03031	PLATE	1							
38	3	119717-03070	BAFFLE, BREATHER	1							
39	2	119717-03070	BAFFLE, BREATHER	2							
40	2	129006-03120	COVER, DIAPHRAGM	1							
42	2	119415-11310	GASKET, BONNET	1							
43	2	119415-11320	COVER, BONNET	1							
44	2	119415-11330	GASKET	1							
45	2	22857-500100	SCREW, 5X10	8							
46	2	24341-000400	O-RING, 1AS40.0	1							
47	2	22857-500160	SCREW, 5X16	2							
48	1	24311-000320	O-RING, 1AP32.0	1							
49	1	26106-060202	BOLT, M6X 20 PLATED	2							
50	1	26106-060752	BOLT, M6X 75 PLATED	4							
51	1	119718-77800	PLUG, GLOW	2							
52	1	119415-77820	CONNECTOR, GLOW PLUG	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. EXHAUST MANIFOLD

(D)=
(E)=

(D)=
(E)=
(F)=

[illegible]

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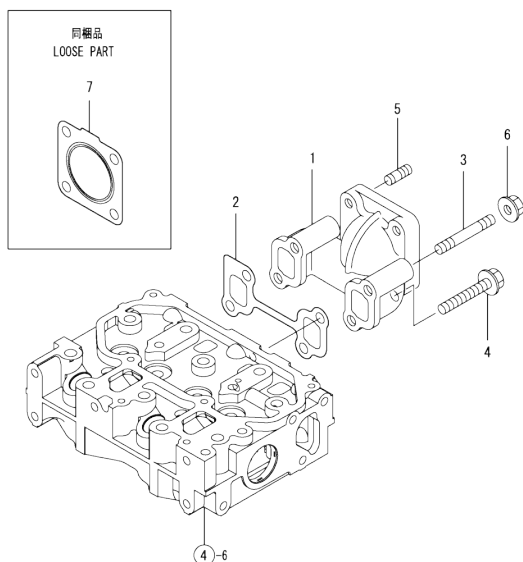
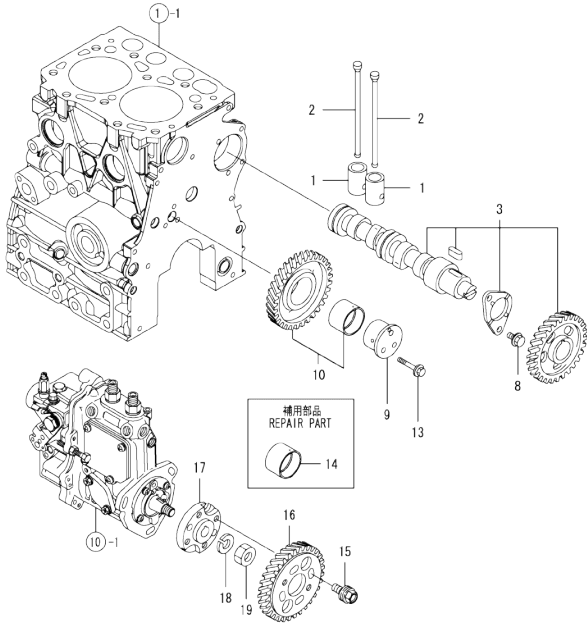


Fig.6. CAMSHAFT & DRIVING GEAR



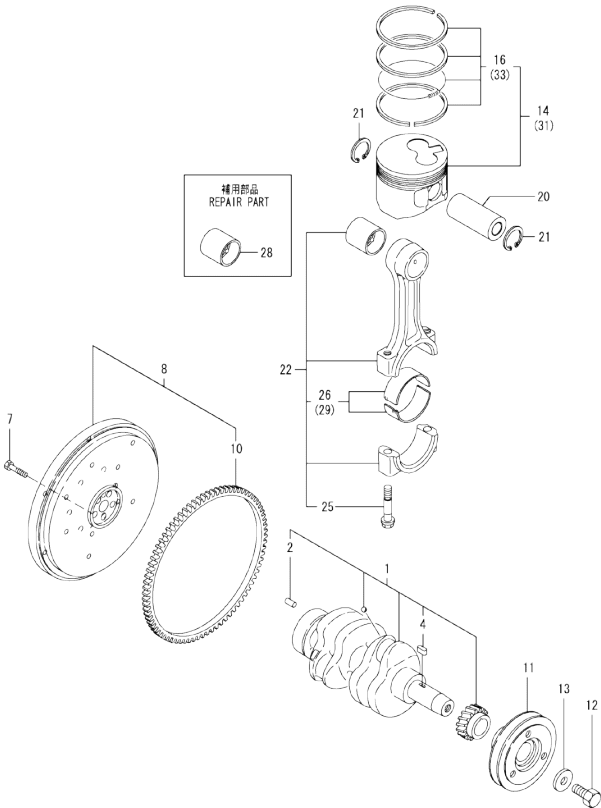
Remarks
(1) REPAIR PART.

(A)=2TNV70-KAR
(B)=
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	4							
2	1	119515-14400	ROD, PUSH	4							
3	1	119415-14581	CAMSHAFT ASSY	1							
8	1	26106-060122	BOLT, M6X 12 PLATED	2							
9	1	119717-25050	SHAFT, IDLE	1							
10	1	119717-25101	GEAR ASSY, IDLE	1							
13	1	26106-060352	BOLT, M6X 35 PLATED	3							
14	1	119717-25911	BUSH, IDLE GEAR	1							1
15	1	129150-25301	BOLT	4							
16	1	119717-25930	GEAR, PUMP	1							
17	1	119717-51150	FLANGE	1							
18	1	22217-120000	WASHER, SPRING 12	1							
19	1	26716-120002	NUT, M12	1							

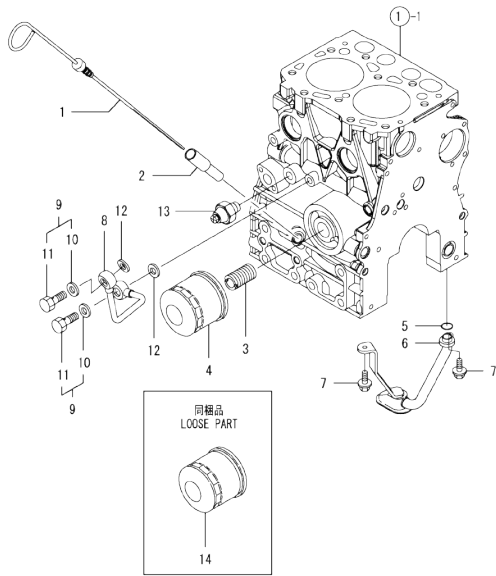
Fig.7. CRANKSHAFT & PISTON



Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119415-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	22512-040120	KEY, 4X 12	1							
7	1	119620-21500	BOLT, FLYWHEEL	5							
8	1	119415-21600	FLYWHEEL ASSY	1							
10	2	124060-21600	GEAR, RING	1							
11	1	119717-21650	V-PULLEY	1							
12	1	119621-21680	BOLT, FLANGE 12X1.25	1							
13	1	119620-21941	WASHER	1							
14	1	119516-22020	PISTON ASSY	2							
16	2	119515-22500	RING SET, PISTON	2							
20	1	119515-22300	PIN, PISTON	2							
21	1	22252-000220	RING, 22	4							
22	1	119515-23000	ROD ASSY, CONNECTING	2							
25	2	119717-23200	BOLT, CONNECTING ROD	4							
26	2	119515-23601	BEARING, CRANK PIN	2							
28	1	119717-23910	BEARING, PISTON PIN	2							1
29	1	119515-23611	METAL ASSY, 0.25	2							2
31	1	119516-22030	PISTON ASSY, 0.25 OS	2							3
33	2	119515-22550	RING SET, 0.25 OS	2							3

Fig.8. LUB.OIL SYSTEM

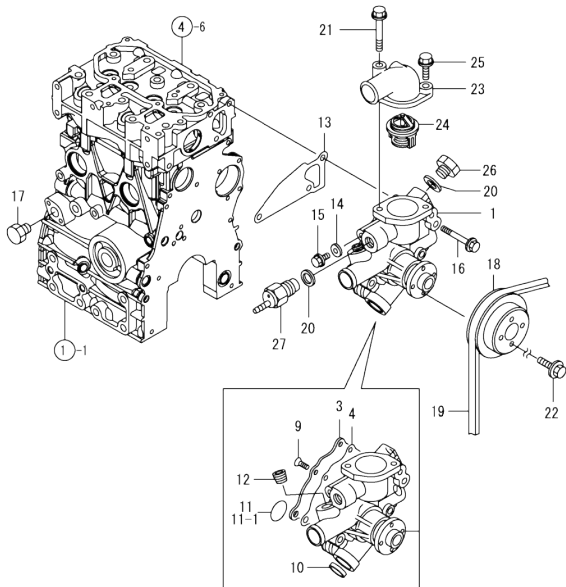


Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	(A)=2TNV70-KAR (B)= (C)=						Q'ty	I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119416-34800	DIPSTICK, OIL	1								
2	1	121520-34810	GUIDE, DIPSTICK	1								
3	1	129100-35140	STUD	1								
4	1	119305-35170	FILTER ASSY, D68XL65	1								1
5	1	119717-32060	O-RING, P15.0	1								
6	1	119416-35080	PIPE ASSY, OIL INLET	1								
7	1	26106-060122	BOLT, M6X 12 PLATED	2								
8	1	119415-39211	PIPE, OIL	1								
9	1	129005-59830	BOLT ASSY, JOINT M8	2								
10	2	22190-080002	WASHER, SEAL 6	2								
11	2	23857-030000	BOLT, JOINT 3	2								
12	1	22190-080002	WASHER, SEAL 6	2								
13	1	121252-39450	SWITCH, 0.5KG	1								
14	1	119305-35170	FILTER ASSY, D68XL65	1								1

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Fig.9. COOLING WATER SYSTEM

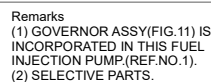


0CW10-M35400 Fig.9

(A)=2TNV70-KAR
(B)=
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119540-42000	PUMP ASSY, WATER	1							
1-1	1	119C10-42000	PUMP ASSY, WATER	1							N
(A=*2012.03.)											
3	2	119515-42041	COVER	1							
4	2	119717-42031	GASKET	1							
9	2	26577-060122	SCREW, M6X12	4							
10	2	27241-250000	PLUG, 25	1							
11	2	119717-42320	O-RING, P26	1							
11-1	2	119C10-42320	O-RING, 2028	1							S
(A=*2012.03.)											
12	2	129916-49740	PLUG, R3/8	1							
13	1	119515-42020	GASKET, WATER PUMP	1							
14	1	23414-080000	GASKET, 8X1.0	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	1							
16	1	26106-080502	BOLT, M8X 50 PLATED	3							
17	1	171056-49120	PLUG, DRAIN R1/4	1							
18	1	119515-42350	V-PULLEY, D=110	1							
19	1	129612-42340	V-BELT, A36	1							Z
(A=*2008.07.)											
20	1	124465-44950	GASKET, 16	2							
21	1	26106-080652	BOLT, M8X 65 PLATED	1							
22	1	26106-060122	BOLT, M6X 12 PLATED	4							
23	1	124101-49531	COVER, THERMOSTAT	1							
24	1	119718-49800	THERMOSTAT, 82	1							
25	1	26106-080252	BOLT, M8X 25 PLATED	1							
26	1	121450-42450	PLUG, M16	1							
27	1	121250-44901	SWITCH, THERMO 110	1							



N:Old ☐ Yes ☐ No New, Q:Old ☐ No ☐ Yes New, R:Old ☐ Yes ☐ No New, S:Old ☐ No ☐ Yes New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

++ CONTINUE ++

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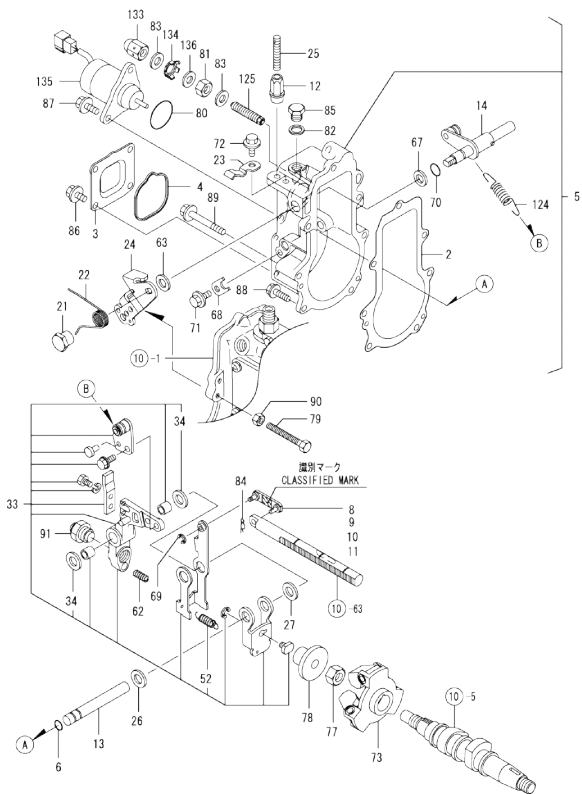
Fig.10. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.11) IS INCORPORATED IN THIS FUEL INJECTION PUMP.(REF.NO.1).
(2) SELECTIVE PARTS.

[illegible]

Fig.11. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.10).
(1) SELECTIVE PARTS:CERTAIN THE
CLASSIFICATION MARK THEN PLACE
YOUR ORDER.(REF.TO.ILLUSTRATION).

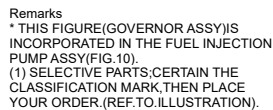
(A)=2TNV70-KAR
(B)=
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1							
3	2	119717-61060	COVER, GOVERNOR CASE	1							
4	2	119717-61070	GASKET	1							
5	2	119515-61200	CASE ASSY, GOVERNOR	1							
6	3	129155-51280	O-RING, S6	1							
8	3	119717-61120	LINK, MARK :3	1							1
9	3	119717-61130	LINK, MARK 98	1							1
10	3	119717-61140	LINK, MARK 88	1							1
11	3	119717-61150	LINK, MARK 03	1							1
12	3	129209-61370	NUT, M6	1							
13	3	129052-61390	SHAFT	1							
14	3	119717-61400	SHAFT ASSY	1							
21	3	129255-61410	NUT, LOCK	1							
22	3	119534-61420	SPRING	1							
23	3	119534-61430	RETAINER	1							
24	3	119515-61440	LEVER, CONTROL	1							
25	3	129155-61450	BOLT, LIMITER	1							
26	3	129156-61460	SHIM, T=0.6	1							
27	3	129155-61480	SPACER ASSY	1							
33	3	119516-61500	LEVER ASSY, GOVERNOR	1							
34	4	174307-51700	SHIM SET	2							
52	4	129486-61540	SPRING, SET	1							
62	3	129486-61650	SPRING, STARTING	1							
63	3	158552-61700	SHIM SET	1							
67	3	158552-61710	SHIM, T=1.0	1							
68	3	119660-61901	RETAINER, SHAFT	1							
69	3	22272-000030	RING, E- 3	1							
70	3	24341-000070	O-RING, 1AS7.0	1							
71	3	26106-060102	BOLT, M6X 10 PLATED	1							
72	3	26106-060102	BOLT, M6X 10 PLATED	1							
73	2	119717-61200	WEIGHT ASSY,GOVERNOR	1							
77	2	129008-61301	NUT	1							
78	2	129155-61341	SLEEVE	1							
79	2	129155-61460	BOLT, IDLE	1							
80	2	158552-61900	O-RING	1							
81	2	129209-61920	NUT, ARB	1							
82	2	22190-100002	WASHER, SEAL 10	1							
83	2	22190-120002	WASHER, SEAL 12	2							
84	2	22372-040000	PIN, SNAP 4	1							
85	2	23887-100002	PLUG, 10	1							
86	2	26106-060102	BOLT, M6X 10 PLATED	4							
87	2	26106-060142	BOLT, M6X 14 PLATED	2							
88	2	26106-060202	BOLT, M6X 20 PLATED	4							
89	2	26106-060452	BOLT, M6X 45 PLATED	3							
90	2	26756-060002	NUT, LOCK M6	1							
91	2	119515-61550	ANGLEICH ASSY	1							
124	2	119717-61700	SPRING, GOVERNOR	1							
125	2	158601-61710	LIMITER ASSY, FUEL	1							
133	2	129209-61930	NUT, CAP	1							
134	2	129209-61970	PLATE	1							
135	2	119653-77950	SOLENOID, STOP	1							

N:Old *¹⁰⁰/₁₀₀* New, Q:Old *¹⁰⁰/₁₀₀* New, R:Old *¹⁰⁰/₁₀₀* New, S:Old *¹⁰⁰/₁₀₀* New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.11. GOVERNOR



(A)=2TNV70-KAR
(B)=
(C)=

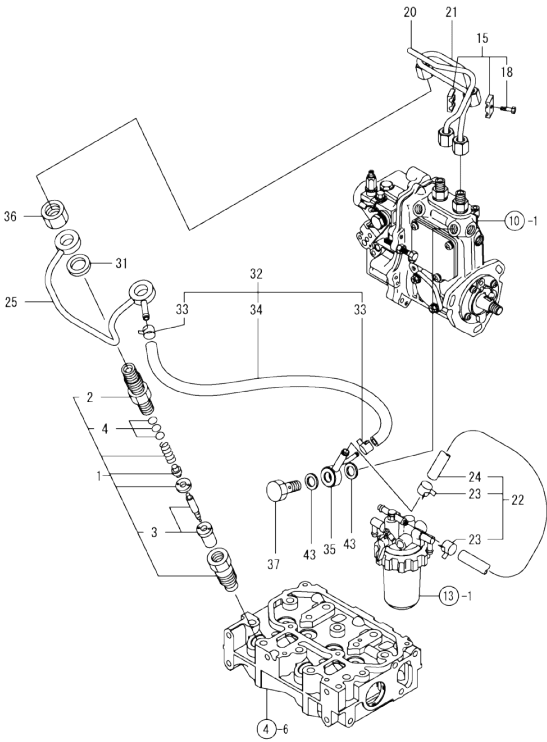
(D)=
(E)=
(F)=

 $Q^{\#}$

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
136	2	23414-120016	GASKET 12X1.0	1							

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.12. FUEL INJECTION VALVE



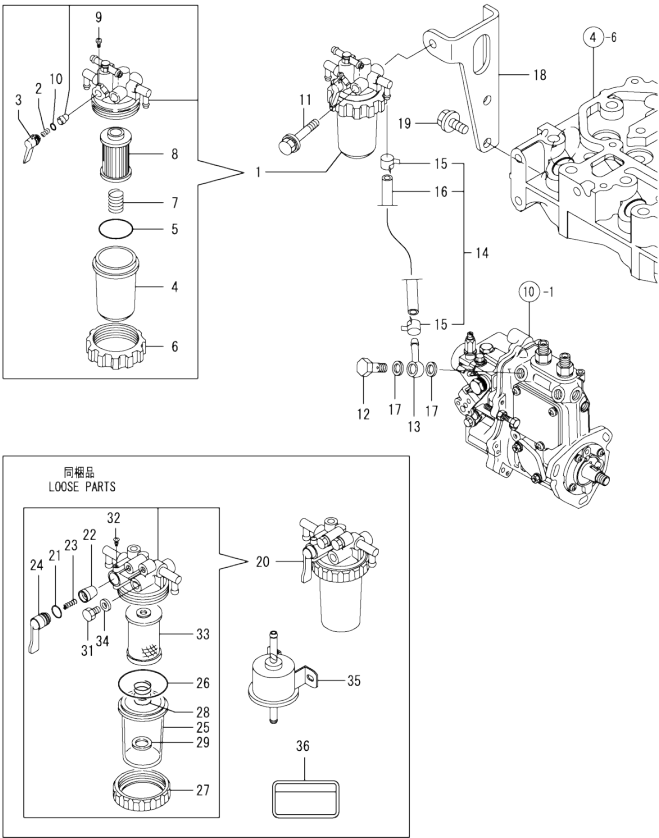
(A)=2TNV70-KAR
(B)=
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-53001	VALVE ASSY,INJECTION	2							
2	2	118200-53010	HOLDER, NOZZLE	2							
3	2	119515-53010	VALVE ASSY,INJECTION	2							
4	2	129901-53800	SHIM SET, ADJUSTING	2							1
15	1	119305-59120	RETAINER, PIPE	1							
18	2	129150-59131	BOLT, M4X14	1							
20	1	119415-59810	PIPE ASSY, INJECTION	1							
21	1	119415-59820	PIPE ASSY, INJECTION	1							
22	1	129210-59110	PIPE ASSY, FUEL	1							
23	2	124766-59050	CLIP, HOSE 12	2							
24	2	105025-59560	PIPE, FUEL	1							
25	1	119415-59540	PIPE ASSY, RETURN	1							
31	1	129901-59560	GASKET	2							
32	1	119540-59570	PIPE ASSY, RETURN	1							
33	2	124066-59100	CLIP, HOSE 8	2							
34	2	119540-59560	PIPE ASSY, RETURN	1							
35	1	119840-59570	JOINT	1							
36	1	119620-59700	NUT, NOZZLE	2							
37	1	119813-59950	VALVE ASSY, CHECK	1							
43	1	22190-120002	WASHER, SEAL 12	2							

Remarks
(1) REPAIR PART.

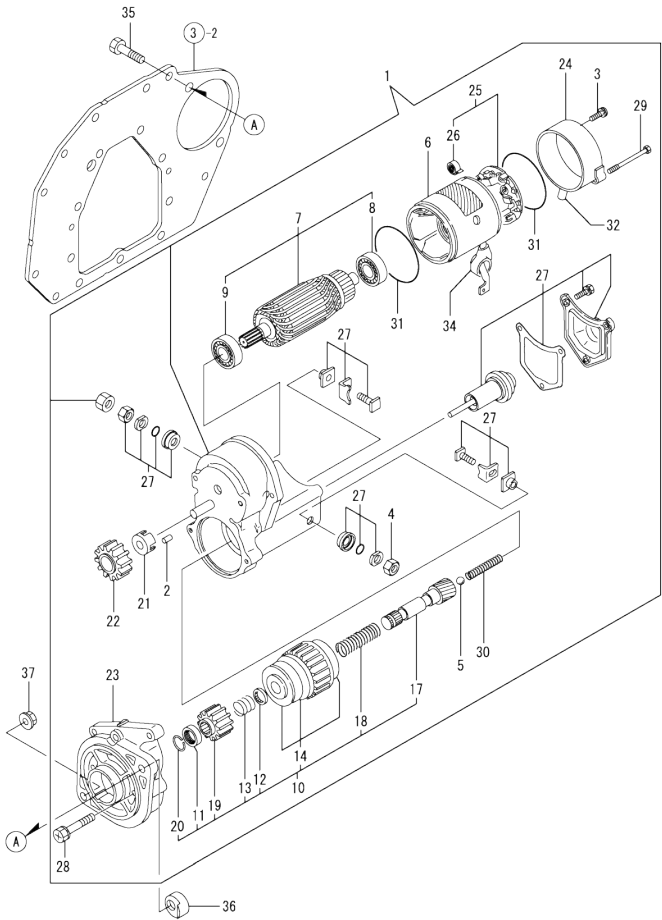
Fig.13. FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55620	FILTER ASSY, FUEL	1							
2	2	104200-55330	SPRING, VALVE	1							
3	2	119810-55340	LEVER	1							
4	2	121254-55510	COVER	1							
5	2	102103-55520	O-RING	1							
6	2	110250-55610	RING, RETAINING	1							
7	2	121250-55620	SPRING	1							
8	2	119810-55650	ELEMENT	1							
9	2	104200-55750	SCREW, M4	1							
10	2	24311-240100	O-RING, 1AP10A	1							
11	1	26014-080702	BOLT, M8X 70	1							
12	1	103854-39140	BOLT, PIPE JOINT	1							
13	1	101304-59020	JOINT, PIPE 12	1							
14	1	129210-59050	PIPE ASSY, FUEL	1							
15	2	124766-59050	CLIP, HOSE 12	2							
16	2	105312-59510	PIPE, FUEL	1							
17	1	22190-120002	WASHER, SEAL 12	2							
18	1	119717-55650	BRACKET, FILTER	1							
19	1	26106-080162	BOLT, M8X 16 PLATED	2							
20	1	129335-55700	SEPARATOR ASSY, WATER	1							
21	2	24311-240100	O-RING, 1AP10A	1							
22	2	104200-55321	VALVE, TAPER	1							
23	2	104200-55330	SPRING, VALVE	1							
24	2	104200-55341	HANDLE	1							
25	2	124064-55510	COVER	1							
26	2	102103-55520	O-RING	1							
27	2	110250-55610	RING, RETAINING	1							
28	2	121257-55720	SPRING	1							
29	2	121257-55731	FLOAT	1							
31	2	101720-55750	PLUG, 6	2							
32	2	104200-55750	SCREW, M4	1							
33	2	171081-55910	SCREEN	1							
34	2	23418-060000	GASKET, 6X1.0	2							
35	1	119225-52102	PUMP ASSY, FUEL FEED	1							
36	1	114110-07760	LABEL, FUEL CAUTION	1							

0CW10-M35400 2TNV70-KAR

Fig.14. STARTING MOTOR

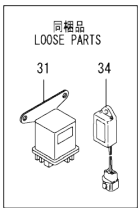


0CW10-M35400 Fig.14

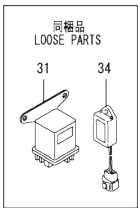
(A)=2TNV70-KAR
(B)=
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129129-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION, STARTER	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129129-77280	HOUSING	1							
24	2	129129-77290	FRAME	1							
25	2	129129-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129129-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129129-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
34	2	129129-77380	CAP	1							
35	1	26156-120302	BOLT, M12X 30 PLATED	2							
36	1	119285-77050	NUT	1							
37	1	26376-120002	NUT, M12	1							

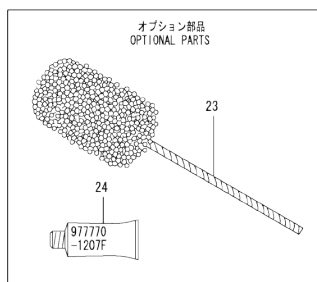


N:Old $\xrightarrow{\text{Yes}} \text{New}$, Q:Old $\xrightarrow{\text{No}} \text{New}$, R:Old $\xrightarrow{\text{Yes}} \text{New}$, S:Old $\xrightarrow{\text{No}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
27		(A=*2008.07.) 1 119940-77270	SPACER, GENERATOR	1						Z	
28		(A=*2008.07.) 1 119717-77340	ADJUSTER	1						Z	
29		1 129972-77341	BOLT, ADJUSTER L=50	1						Z	
30		(A=*2008.07.) 1 26106-080202	BOLT, M8X 20 PLATED	1						Z	
31		1 119650-77910	RELAY ASSY, GLOW	1							
34		1 129211-77920	TIMER	1							

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No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	719415-92670	GASKET SET	1							1
2	2	24341-000400	O-RING, 1AS40.0	1							
3	2	121850-51960	O-RING	1							
4	2	119717-11340	SEAL, VALVE STEM	2							
5	2	129901-11450	PROTECTOR, NOZZLE	2							
6	2	119415-11310	GASKET, BONNET	1							
7	2	119415-13110	GASKET	1							
8	2	119515-13200	GASKET, SILENCER	1							
9	2	119717-11350	SEAL, VALVE STEM	2							
10	2	22190-080002	WASHER, SEAL 6	4							
11	2	24311-000320	O-RING, 1AP32.0	2							
12	2	119717-32060	O-RING, P15.0	1							
13	2	119624-32040	O-RING, P12.0	1							
14	2	119717-32050	O-RING, P17.0	3							
15	2	119600-11460	GASKET, NOZZLE	4							
16	2	119415-11330	GASKET	1							
17	2	124465-44950	GASKET, 16	2							
18	2	22190-120002	WASHER, SEAL 12	4							
19	2	129901-59560	GASKET	2							
20	2	119515-42020	GASKET, WATER PUMP	1							
21	2	23414-080000	GASKET, 8X1.0	1							
22	2	119415-01330	GASKET, HEAD	1							
23	1	129400-92410	HONE	1							1
24	1	977770-1207F	GASKET, LIQUID	1							

Remarks
(1) OPTIONAL PART.

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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105010-11490	4	5
105025-59560	12	24
105311-01090	1	5
105312-59510	13	16
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118200-53010	12	2
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119131-18320	5	5
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119415-11320	4	43
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119415-59820	12	21
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119515-01200	1	26
119515-11101	4	13
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119515-11800	4	21
119515-13200	5	7
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119515-14400	6	2
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119515-22500	7	16
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	16	20
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119515-53001	12	1
119515-53010	12	3
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119540-42000	9	1
119540-59560	12	34
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119620-79290	15	19
119620-79300	15	20
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119621-21680	7	12
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119626-77210	15	2
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119650-77910	15	31
119653-77950	11	135
119660-01911	2	17
119660-61901	11	68
119717-01501	2	1
119717-01521	2	5
119717-01570	2	2
119717-01750	2	16
119717-01800	2	6
119717-02411	1	12
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119717-03031	4	37
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119717-11190	4	17
119717-11260	4	26
119717-11340	4	18
	16	4
119717-11350	4	19
	16	9
119717-11650	4	28
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119717-32100	2	8
119717-32110	2	13
119717-32120	2	14
119717-42031	9	4
119717-42320	9	11
119717-51060	10	6
119717-51070	10	7
119717-51150	6	17
119717-51190	10	14
119717-51200	10	15
119717-51300	10	42
119717-51330	10	45
119717-51420	10	50
119717-51480	10	108
119717-51490	10	109
119717-51570	10	69
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119717-61050	11	2
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119717-61140	11	10
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119717-61700	11	124
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119718-01600	3	2
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119718-77800	4	51
119734-01590	2	3
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119734-02220	3	9
119802-13620	5	4
119802-32130	2	15
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119810-55340	13	3
119810-55650	13	8
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121252-39450	8	13
121254-55510	13	4
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121257-55731	13	29
121450-42450	9	26
121520-34810	8	2
121850-51960	2	20
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122710-51090	10	8
124060-01050	1	4
124060-21600	7	10
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129155-52051	10	112
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129155-61450	11	25
129155-61460	11	79
129155-61480	11	27
129156-61460	11	26
129209-61370	11	12
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129508-11180	4	16
129612-42340	9	19
129900-32130	2	10
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158552-61900	11	80
158600-51170	10	13
158600-51270	10	39
158600-51410	10	49
158600-51420	10	51
158600-51442	10	52
158600-51570	10	71
158600-51790	10	97
158601-61710	11	125
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171081-55910	13	33
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22217-120000	6	18
22242-000120	4	32
22252-000220	7	21
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22351-050010	10	100
22351-060012	4	20
22372-040000	11	84
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23857-030000	8	11
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23876-030000	2	7
23887-100002	11	85
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24311-000320	2	29
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24311-240100	13	10
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26106-060102	11	71
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26106-060142	11	87
26106-060162	2	22
26106-060202	4	49
	11	88
26106-060222	3	10
26106-060352	6	13
26106-060402	2	23
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26106-060452	3	5
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26106-060602	2	25
26106-060652	2	26
26106-060752	4	50
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26106-080142	4	2
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26206-100202	3	4
26206-100252	3	3
26306-080002	2	27
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26376-120002	14	37
26577-060122	9	9
26716-060002	10	107
26716-120002	6	19
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26979-050162	4	33
27241-120000	1	13
27241-250000	9	10
719415-01561	1	1
719415-51380	10	1
719415-92670	16	1
719717-02901	1	28
719717-02911	1	31
719734-01500	2	4
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