

0CW10-M61100EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNM72-AFS, 3TNM72-AFST for FERRIS.

Pub. No. : 0CW10-G61100

Published : April, 2010

2. Model name

Engine model	Vehicle	Vehicle made by
3TNM72-AFS 3TNM72-AFST	MOWER ZTR	FERRIS

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
		(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

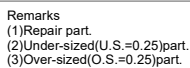
Figures or alphabets (symbols) are entered in the remarks column.

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

Contents

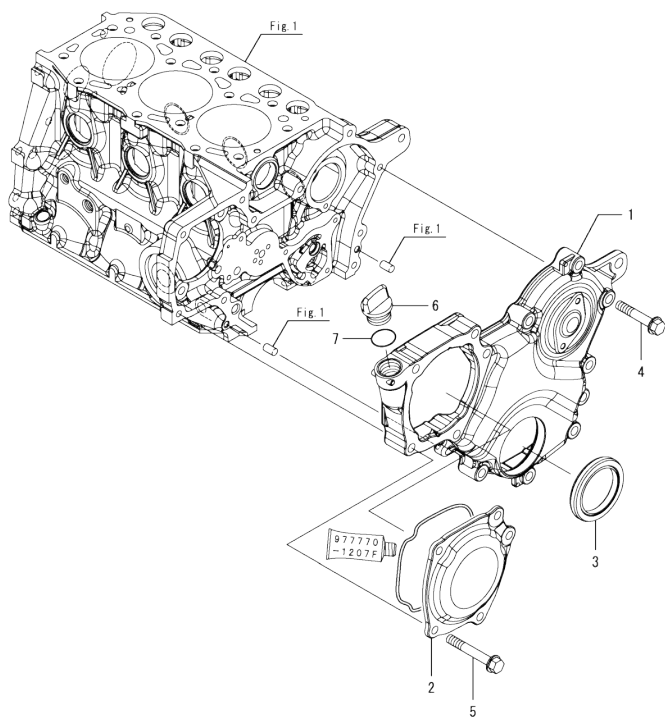
Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNM72-AFS			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	EXHAUST MANIFOLD		
6.	CAMSHAFT & DRIVING GEAR		
7.	CRANKSHAFT & PISTON		
8.	LUB. OIL SYSTEM		
9.	COOLING WATER SYSTEM		
10.	FUEL INJECTION PUMP		
11.	GOVERNOR		
12.	FUEL INJECTION VALVE		
13.	FUEL FILTER		
14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		

Fig.1. CYLINDER BLOCK



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

Fig.2. GEAR HOUSING



				(A)=3TNM7Z-AFS (B)=3TNM7Z-AFST (C)=		(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119025-01500	CASE, GEAR	1	1						
2	1	119125-01750	COVER	1	1						
3	1	119717-01800	SEAL, OIL	1	1						
4	1	26106-080352	BOLT, M&X 35 PLATED	8	8						
5	1	26106-080452	BOLT, M&X 45 PLATED	5	5						
6	1	106760-01770	CAP	1	1						
7	1	24311-000180	O-RING, 1AP18.0	1	1						

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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Fig.3. MOUNTING FLANGE & OIL SUMP

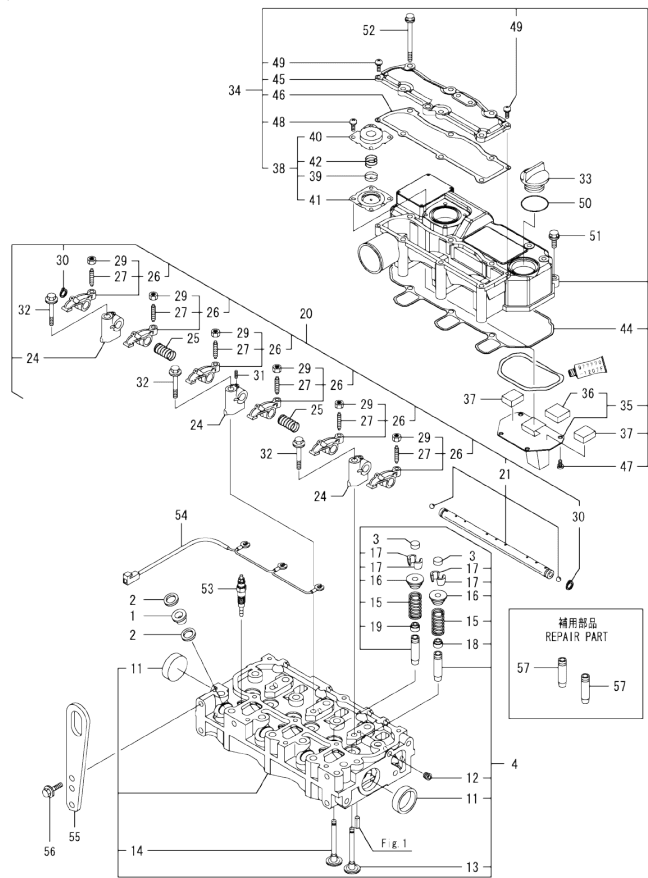


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2						
2	1	119127-01600	FLANGE, MOUNTING	1	1						
3	1	26206-100202	BOLT, M10X 20 PLATED	8	8						
4	1	119025-01760	SUMP ASSY, OIL	1	1						
5	2	119025-01690	PLUG, DRAIN 16	1	1						
7	2	22190-160002	WASHER, SEAL 16	1	1						
8	1	26106-060352	BOLT, M6X 35 PLATED	16	16						

N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Repair part.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129901-11450	PROTECTOR, NOZZLE	3	3						
2	1	119600-11460	GASKET, NOZZLE	6	6						
3	1	105010-11490	CAP, VALVE	6	6						
4	1	119517-11740	HEAD ASSY, CYLINDER	1	1						
11	2	119285-11990	PLUG, 35	2	2						
12	2	23876-005000	PLUG, R005	1	1						
13	2	119515-11101	VALVE, INTAKE	3	3						
14	2	119515-11110	VALVE, EXHAUST	3	3						
15	2	119717-11131	SPRING, VALVE	6	6						
16	2	129508-11180	RETAINER, SPRING	6	6						
17	2	119717-11190	COTTER	12	12						
18	2	119717-11340	SEAL, VALVE STEM	3	3						
19	2	119717-11350	SEAL, VALVE STEM	3	3						
20	1	119515-11200	SUPPORT ASSY, ARM	1	1						
21	2	119515-11240	SHAFT ASSY, ROCKER	1	1						
24	2	119717-11260	SUPPORT, ROCKER ARM	3	3						
25	2	119515-11280	SPRING	2	2						
26	2	119717-11650	ARM, ROCKER	6	6						
27	3	129150-11230	SCREW, VALVE ADJUST	6	6						
29	3	129150-11750	NUT, M8	6	6						
30	2	22242-000120	RING, 12	2	2						
31	2	26979-050162	SCREW, M5X16	1	1						
32	1	26106-080402	BOLT, M8X 40 PLATED	3	3						
33	1	124160-01751	COVER, FILLER	1	1						
34	1	119515-11380	BONNET ASSY, HEAD	1	1						
35	2	119717-03031	PLATE	1	1						
36	3	119717-03070	BAFFLE, BREATHER	1	1						
37	2	119717-03070	BAFFLE, BREATHER	2	2						
38	2	119802-03100	DIAPHRAGM ASSY	1	1						
39	3	119802-03110	PLATE	1	1						
40	3	119802-03121	COVER, DIAPHRAGM	1	1						
41	3	119802-03131	DIAPHRAGM	1	1						
42	3	119802-03141	SPRING, DIAPHRAGM	1	1						
44	2	119515-11310	GASKET, BONNET	1	1						
45	2	119515-11320	COVER, BONNET	1	1						
46	2	119515-11330	GASKET	1	1						
47	2	22857-500100	SCREW, 5X10	4	4						
48	2	22857-500100	SCREW, 5X10	4	4						
49	2	22857-500160	SCREW, 5X16	2	2						
50	1	24311-000320	O-RING, 1AP32.0	1	1						
51	1	26106-060202	BOLT, M6X 20 PLATED	3	3						
52	1	26106-060752	BOLT, M6X 75 PLATED	6	6						
53	1	119125-77800	PLUG, GLOW	3	3						
54	1	119125-77820	CONNECTOR, GLOW PLUG	1	1						
55	1	129900-07900	LIFTER	1	1						
56	1	26106-080162	BOLT, M8X 16 PLATED	2	2						
57	1	119515-11800	GUIDE, VALVE	6	6						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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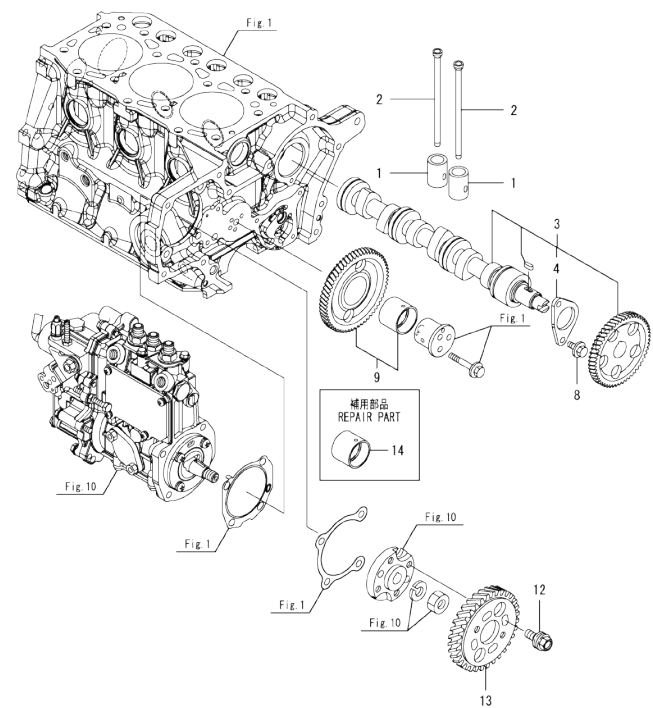
Fig.5. EXHAUST MANIFOLD



				(A)=3TNM72-AFS (B)=3TNM72-AFST (C)=			(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119718-13100	MANIFOLD, EXHAUST	1	1						
2	1	119717-13110	GASKET	1	1						
3	1	119717-13600	STUD, M8X50	2	2						
4	1	119802-13620	BOLT, M8X50	4	4						
5	1	119131-18320	STUD, M6X22	4	4						
6	1	26306-080002	NUT, M8	2	2						
7	1	119515-13200	GASKET, SILENCER	1	1						

N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

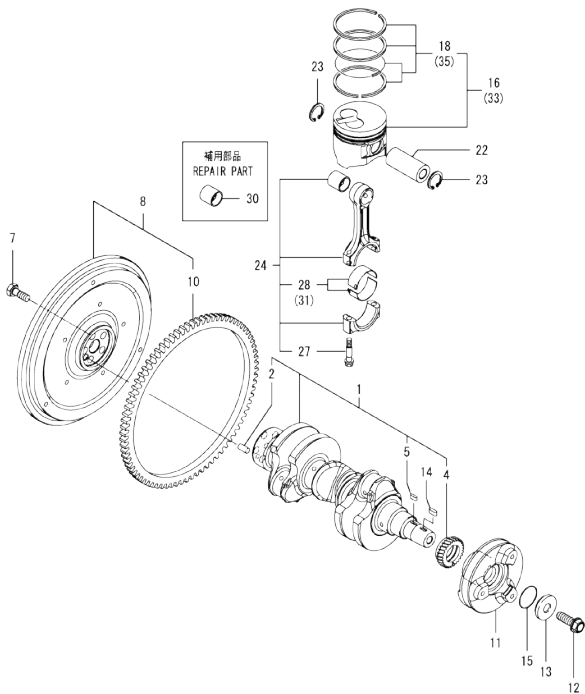
Fig.6. CAMSHAFT & DRIVING GEAR



Remarks
(1)Repair part.

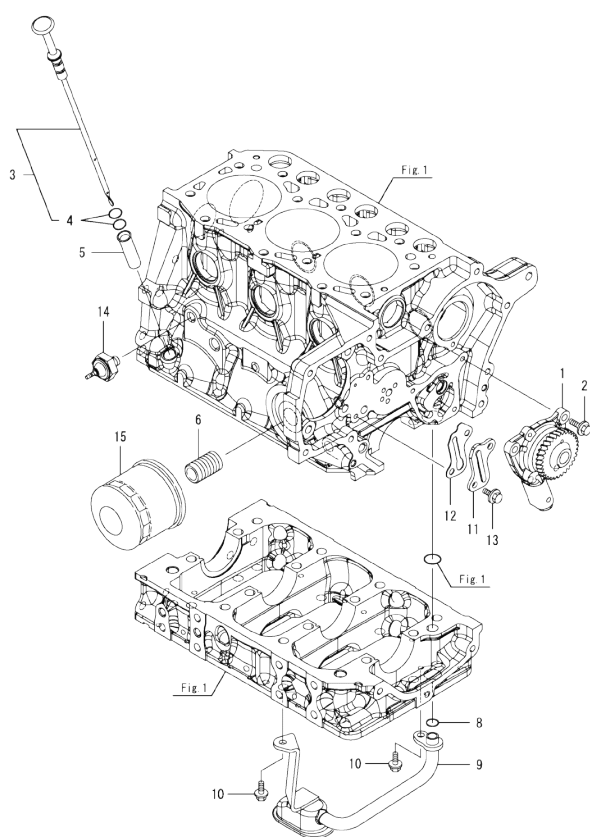
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	6	6						
2	1	119515-14400	ROD, PUSH	6	6						
3	1	119025-14580	CAMSHAFT ASSY	1	1						
4	2	119620-02450	BEARING, THRUST	1	1						
8	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
9	1	119025-25100	GEAR ASSY, IDLE	1	1						
12	1	129150-25301	BOLT	4	4						
13	1	119125-25930	GEAR, PUMP	1	1						
14	1	119125-25910	BUSH, IDLE GEAR	1	1						1

Fig.7. CRANKSHAFT & PISTON



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119025-21700	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, M8X16	1	1						
4	2	119125-21200	GEAR, CRANKSHAFT	1	1						
5	2	22512-040120	KEY, 4X 12	1	1						
7	1	119620-21500	BOLT, FLYWHEEL	5	5						
8	1	119127-21590	FLYWHEEL ASSY	1	1						
10	2	124060-21600	GEAR, RING	1	1						
11	1	119125-21660	V-PULLEY	1	1						
12	1	119621-21681	BOLT, FLANGE 12X1.25	1	1						
13	1	119717-21940	WASHER, 12	1	1						
14	1	22512-050120	KEY, 5X 12	1	1						
15	1	24341-000340	O-RING, 1AS34.0	1	1						
15-1	1	119C10-21930	PACKING, WASHER	1	1						R
(A=EXXXXX) (B=EXXXXX)											
16	1	119517-22090	PISTON ASSY	3	3						
18	2	119517-22500	RING SET, PISTON	3	3						
22	1	119515-22300	PIN, PISTON	3	3						
23	1	22252-000220	RING, 22	6	6						
24	1	119515-23000	ROD ASSY, CONNECTING	3	3						
27	2	119717-23200	BOLT, CONNECTING ROD	6	6						
28	2	119515-23601	BEARING, CRANK PIN	3	3						
30	1	119717-23910	BEARING, PISTON PIN	3	3						1
31	1	119515-23611	METAL ASSY, 0.25	3	3						2
33	1	119025-22900	PISTON ASSY	3	3						3
35	2	119609-22950	RING SET, 0.25 OS	3	3						3

Remarks
(1)Repair part.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.



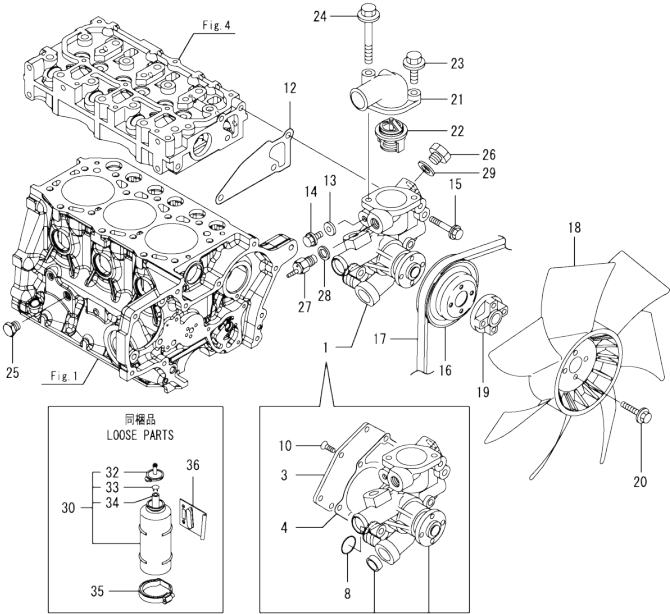
Remarks
(1)Repair part.

				(A)=3TNM72-AFS (B)=3TNM72-AFST (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119125-32000	PUMP ASSY. OIL	1	1						
2	1	26106-060142	BOLT, M&X 14 PLATED	3	3						
3	1	119025-34810	DIPSTICK, OIL	1	1						
4	2	119125-34900	O-RING	2	2						
5	1	119125-34810	CUNE, DIPSTICK	1	1						
6	1	129100-35140	STUD	1	1						
6-1		1191717-35140	BOLT	1	1					N	
	(A="2010.06)		(B="2010.06)								
8	1	119209-35030	O-RING, P11	1	1						
9	1	119028-35080	PIPE ASSY. OIL INLET	1	1						
10	1	26106-060102	BOLT, M&X 10 PLATED	2	2						
11	1	119125-39200	COVER	1	1						
12	1	119125-39220	GASKET	1	1						
13	1	26106-060102	BOLT, M&X 10 PLATED	2	2						
14	1	114250-39450	SWITCH, 0.5KG	1	1						
15	1	119305-35151	FILTER ASSY. D68XL65	1	1						1

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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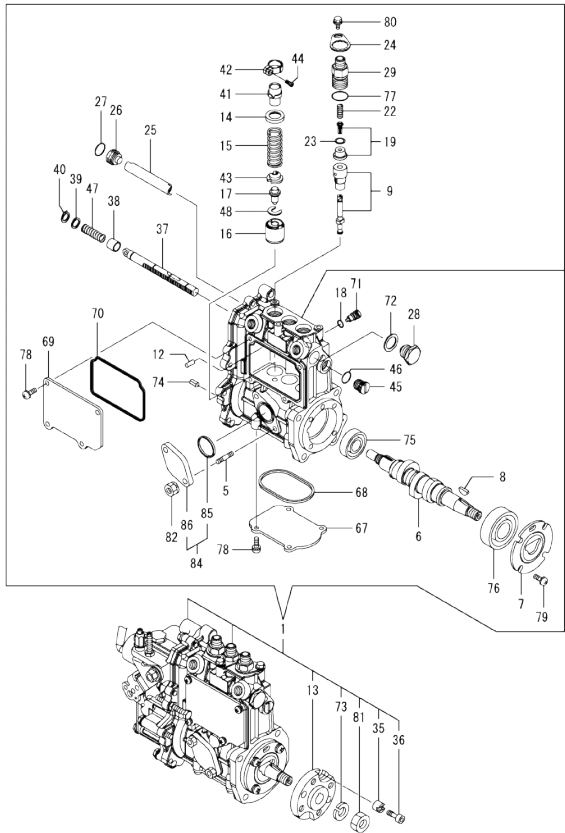
Fig.9. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119025-42000	PUMP ASSY, WATER	1	1						
3	2	119025-42020	COVER	1	1						
4	2	119025-42030	GASKET, WATER PUMP	1	1						
8	2	119685-42281	O-RING	1	1						
10	2	26577-060122	SCREW, M6X12	5	5						
12	1	119515-42020	GASKET, WATER PUMP	1	1						
13	1	23414-080000	GASKET, 8X1.0	1	1						
14	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
15	1	26106-080452	BOLT, M8X 45 PLATED	3	3						
16	1	119717-42350	V-PULLEY, D=100	1	1						
17	1	25132-003500	V-BELT, A35	1	1						
18	1	119717-44740	FAN, COOLING D335X7	1	1						
19	1	121267-44760	SPACER	1	1						
20	1	26106-060302	BOLT, M6X 30 PLATED	4	4						
21	1	124101-49531	COVER, THERMOSTAT	1	1						
22	1	119717-49800	THERMOSTAT, 71	1	1						
23	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
24	1	26106-080652	BOLT, M8X 65 PLATED	1	1						
25	1	171056-49120	PLUG, DRAIN	1	1						
26	1	121450-42450	PLUG, M16	1	1						
27	1	121250-44901	SWITCH, 110	1	1						
28	1	124465-44950	GASKET, 16	1	1						
29	1	124465-44950	GASKET, 16	1	1						
30	1	124450-44510	TANK ASSY, SUB	1	1						
32	2	124450-44530	CAP	1	1						
33	2	124450-44560	RETAINER	1	1						
34	2	23061-070230	PIPE, 7X 230	1	1						
35	1	124450-44550	BAND	1	1						
36	1	121256-44600	BRACKET, SUB TANK	1	1						

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Fig.10. FUEL INJECTION PUMP



Remarks

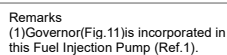
(1)Governor(Fig.11)is incorporated in this Fuel Injection Pump (Ref.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719027-51330	PUMP ASSY, INJECTION	1	1						1
5	2	129155-51020	STUD	2	2						
6	2	119125-51030	CAMSHAFT	1	1						
7	2	119125-51060	RETAINER, BEARING	1	1						
8	2	122710-51090	KEY	1	1						
9	2	119125-51100	PLUNGER ASSY	3	3						
12	2	129155-51140	PIN	3	3						
13	2	119717-51150	FLANGE	1	1						
14	2	158600-51170	RETAINER, SPRING	3	3						
15	2	119717-51190	SPRING, PLUNGER	3	3						
16	2	119125-51241	TAPPET	3	3						
17	2	119125-51250	GUIDE, TAPPET	3	3						
18	2	129155-51280	O-RING, S6	1	1						
19	2	119125-51300	VALVE ASSY, DELIVERY	3	3						
22	2	128990-51330	SPRING, DELIVERY	3	3						
23	2	124550-51350	GASKET, DELIVERY	3	3						
24	2	118400-51370	LOCKING	3	3						
25	2	129155-51400	DEFLECTOR	1	1						
26	2	158600-51410	PLUG, DEFLECTOR	1	1						
27	2	119717-51420	O-RING	1	1						
28	2	158600-51420	PLUG, DEFLECTOR	1	1						
29	2	158600-51442	VALVE ASSY, DELIVERY	3	3						
35	2	119125-51480	COLLAR	1	1						
36	2	119125-51490	BOLT	1	1						
37	2	119717-51500	RACK, CONTROL	1	1						
38	2	129155-51521	BUSH, RACK	1	1						
39	2	129155-51530	SPACER	1	1						
40	2	129155-51540	CIRCLIP	1	1						
41	2	129155-51550	PINION, CONTROL	3	3						
42	2	129100-51560	PINION	3	3						
43	2	119717-51570	RETAINER, SPRING	3	3						
44	2	129100-51570	SCREW	3	3						
45	2	158600-51570	PLUG	1	1						
46	2	129155-51580	O-RING	1	1						
47	2	129155-51591	SPRING, RACK	1	1						
48	2	129155-51600	SHIM SET, ADJUSTING	3	3						
67	2	119125-51700	COVER	1	1						
68	2	119717-51711	GASKET	1	1						
69	2	119717-51750	COVER	1	1						
70	2	119717-51761	GASKET	1	1						
71	2	158600-51790	STOOPER, RACK	1	1						
72	2	22190-160002	WASHER, SEAL 16	1	1						
73	2	22217-120000	WASHER, SPRING 12	1	1						
74	2	22351-050010	PIN, SPRING 5.0X10	2	2						
75	2	24101-060034	BEARING, BALL 6003	1	1						
76	2	24101-063034	BEARING, BALL 6303	1	1						
77	2	24316-000150	O-RING, 4DP15.0	3	3						
78	2	26022-050122	SCREW, M5X12	8	8						
79	2	26022-060162	SCREW, M6X16	4	4						
80	2	26106-050102	BOLT, M5X 10 PLATED	3	3						
81	2	26716-120002	NUT, M12	1	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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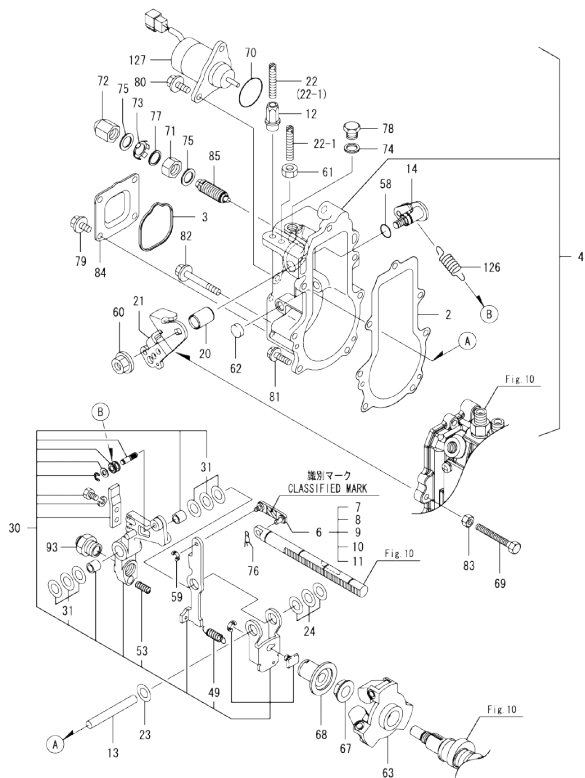
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N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

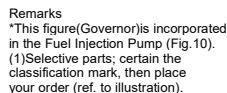
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Fig.11. GOVERNOR



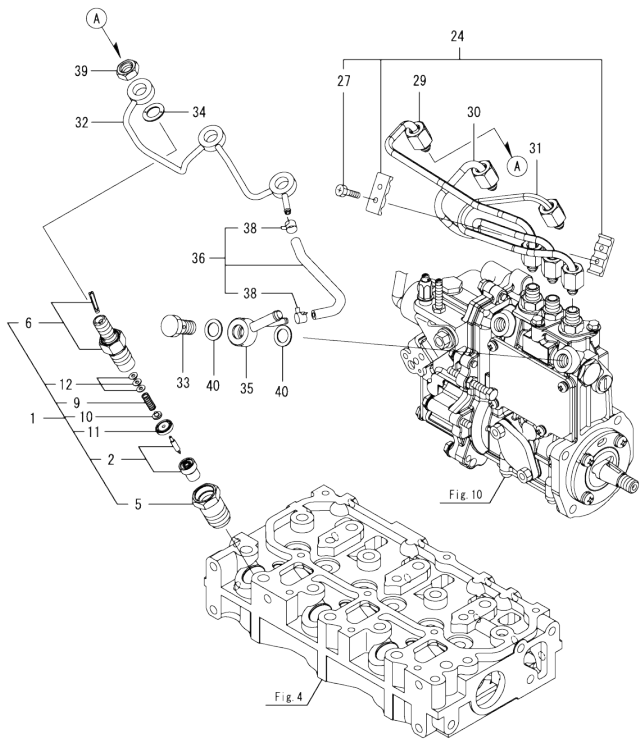
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1	1						
3	2	119717-61070	GASKET	1	1						
4	2	119125-61100	CASE ASSY, GOVERNOR	1	1						
4-1	2	119027-61200	CASE ASSY, GOVERNOR	1	1					N	
(A=*2010.05) (B=*2010.05)											
6	3	119125-61110	LINK ASSY	1	1						
7	4	119125-61120	LINK, MARK 93	1	1						1
8	4	119125-61130	LINK, MARK 98	1	1						1
9	4	119125-61140	LINK, MARK 88	1	1						1
10	4	119125-61150	LINK, MARK 00	1	1						1
11	4	119125-61160	LINK, MARK 03	1	1						1
12	3	129209-61370	NUT, M6	1	1						
13	3	119125-61390	SHAFT	1	1						
14	3	119125-61401	SHAFT ASSY	1	1						
20	3	119125-61430	BUSH	1	1						
21	3	119515-61440	LEVER, CONTROL	1	1						
22	3	129155-61450	BOLT, LIMITER	1	1						
22-1	3	129155-61450	BOLT, LIMITER	2	2					K	
(A=*2010.05) (B=*2010.05)											
23	3	129156-61460	SHIM, T=0.6	1	1						
24	3	129155-61480	SPACER ASSY	1	1						
30	3	119125-61501	LEVER ASSY, GOVERNOR	1	1						
31	4	174307-51700	SHIM SET	2	2						
49	4	129486-61540	SPRING, SET	1	1						
53	4	129100-61650	SPRING, CONTROLLER	1	1						
58	3	129155-61830	O-RING, S10	1	1						
59	3	22272-000030	RING, E- 3	1	1						
60	3	26366-080002	NUT, M8	1	1						
61	3	26756-060002	NUT, LOCK M6	1	1					W	
(A=*2010.05) (B=*2010.05)											
62	3	27260-120000	PLUG, 12	1	1						
63	2	119125-61201	WEIGHT ASSY,GOVERNOR	1	1						
67	2	129008-61301	NUT	1	1						
68	2	129155-61341	SLEEVE	1	1						
69	2	129155-61460	BOLT, IDLE	1	1						
70	2	158552-61900	O-RING	1	1						
71	2	129209-61920	NUT, ARB	1	1						
72	2	129209-61930	NUT, CAP	1	1						
73	2	129209-61970	PLATE	1	1						
74	2	22190-100002	WASHER, SEAL 10	1	1						
75	2	22190-120002	WASHER, SEAL 12	2	2						
76	2	22372-040000	PIN, SNAP 4	1	1						
77	2	23414-120016	GASKET, 12X1.0	1	1						
78	2	23887-100002	PLUG, 10	1	1						
79	2	26106-060102	BOLT, M6X 10 PLATED	4	4						
80	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
81	2	26106-060202	BOLT, M6X 20 PLATED	4	4						
82	2	26106-060452	BOLT, M6X 45 PLATED	3	3						
83	2	26756-060002	NUT, LOCK M6	1	1						
84	2	119717-61060	COVER, GOVERNOR CASE	1	1						
85	2	119125-61450	LIMITER ASSY, FUEL	1	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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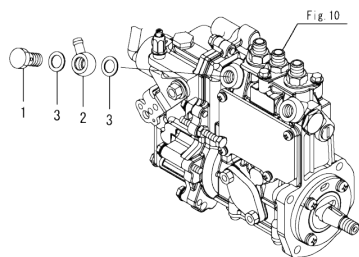
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N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New. Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New. R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New. S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.12. FUEL INJECTION VALVE

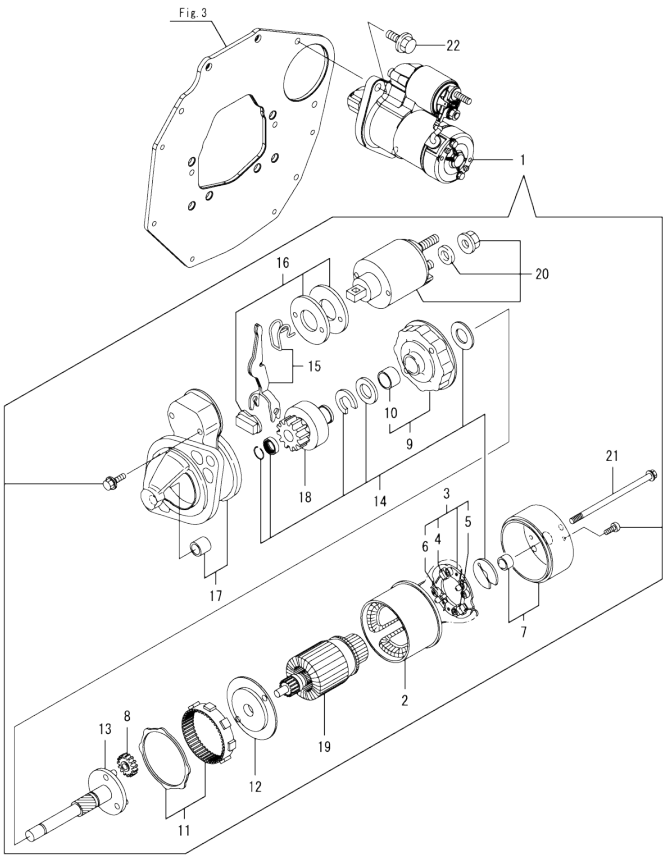


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719125-53100	VALVE ASSY,INJECTION	3	3						
2	2	119125-53001	VALVE ASSY,INJECTION	3	3						
5	2	119125-53080	NUT, NOZZLE	3	3						
6	2	119125-53100	HOLDER ASSY, NOZZLE	3	3						
9	2	119125-53120	SPRING, NOZZLE	3	3						
10	2	119125-53130	SEAT, SPRING	3	3						
11	2	119125-53140	SPACER, VALVE STOP	3	3						
12	2	114250-53400	SHIM SET	3	3						
24	1	129150-59120	RETAINER, PIPE	1	1						
27	2	129150-59131	BOLT, M4X14	2	2						
29	1	119025-59810	PIPE, FUEL INJECTION	1	1						
30	1	119025-59820	PIPE, FUEL INJECTION	1	1						
31	1	119025-59830	PIPE, FUEL INJECTION	1	1						
32	1	119515-59540	PIPE ASSY, RETURN	1	1						
33	1	119125-59560	BOLT, PIPE JOINT	1	1						
34	1	129901-59560	GASKET	3	3						
35	1	119840-59570	JOINT	1	1						
36	1	129486-59581	HOSE, FUEL	1	1						
38	2	124060-77680	CLIP, HOSE 10	2	2						
39	1	119620-59700	NUT, NOZZLE	3	3						
40	1	22190-120002	WASHER, SEAL 12	3	3						

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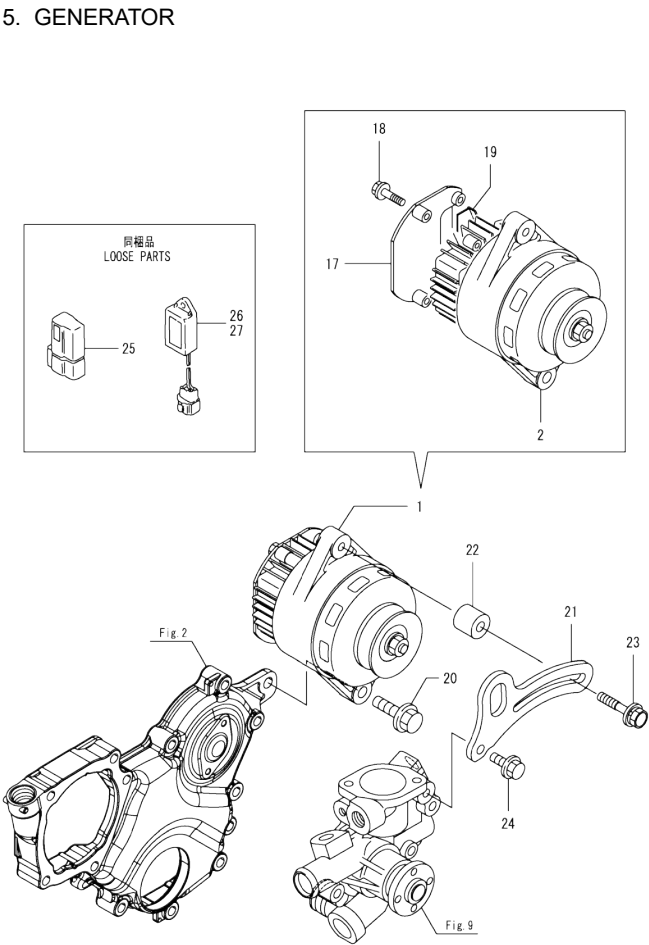
N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.14. STARTING MOTOR



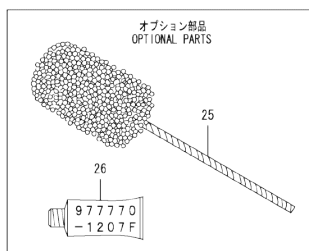
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119125-77010	STARTER ASSY, 1.2KW	1	1						
2	2	129698-77110	YOKE ASSY	1	1						
3	2	129698-77120	HOLDER ASSY, BRUSH	1	1						
4	3	129698-77130	BRUSH	2	2						
5	3	129698-77140	BRUSH SET	1	1						
6	3	129698-77150	SPRING, BRUSH	4	4						
7	2	129698-77161	COVER ASSY	1	1						
8	2	119125-77170	GEAR	3	3						
9	2	129698-77180	BRACKET	1	1						
10	3	129698-77190	BRACKET	1	1						
11	2	119125-77200	GEAR, INTERNAL	1	1						
12	2	119125-77210	BRACKET	1	1						
13	2	119125-77230	SHAFT, PINION	1	1						
14	2	129698-77250	WASHER SET	1	1						
15	2	119125-77270	LEVER SET, SHIFT	1	1						
16	2	119125-77280	COVER ASSY	1	1						
17	2	119125-77520	CASE ASSY, GEAR	1	1						
18	2	119125-77660	PINION ASSY	1	1						
19	2	119125-77710	ARMATURE ASSY	1	1						
20	2	119125-77760	SWITCH ASSY	1	1						
21	2	124195-77770	BOLT, THROUGH	2	2						
22	1	26106-100252	BOLT, M10X 25 PLATED	2	2						

Fig.15. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119128-77200	GENERATOR, 12V-40A	1	1						
2	2	119128-77220	GENERATOR ASSY	1	1						
17	2	119128-77370	COVER	1	1						
18	2	119128-77380	BOLT, FLANGE	4	4						
19	2	119128-77390	COVER	1	1						
20	1	26106-100402	BOLT, M10X 40 PLATED	1	1						
21	1	119125-77330	ADJUSTER	1	1						
22	1	124732-77340	SPACER	1	1						
23	1	129972-77341	BOLT, ADJUSTER L=50	1	1						
24	1	26106-080202	BOLT, M8X 20 PLATED	1	1						
25	1	119643-66900	DIODE	1	1						
26	1	129155-77925	TIMER	1	1						
27	1	129211-77920	TIMER	1	1						

Fig.16. GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119025-92600	GASKET SET	1	1						
2	2	119025-01331	GASKET, HEAD	1	1						
3	2	119125-01790	GASKET	1	1						
4	2	119515-11310	GASKET, BONNET	1	1						
5	2	119515-11330	GASKET	1	1						
6	2	119717-11340	SEAL, VALVE STEM	6	6						
7	2	129901-11450	PROTECTOR, NOZZLE	3	3						
8	2	119600-11460	GASKET, NOZZLE	6	6						
9	2	119717-13110	GASKET	1	1						
10	2	119515-13200	GASKET, SILENCER	1	1						
11	2	129900-32040	O-RING, P14	1	1						
12	2	119125-34900	O-RING	1	1						
13	2	119209-35030	O-RING, P11	1	1						
14	2	119125-39220	GASKET	1	1						
15	2	119515-42020	GASKET, WATER PUMP	1	1						
16	2	119025-42030	GASKET, WATER PUMP	1	1						
17	2	119209-42320	O-RING, P21 EPDM	1	1						
18	2	124465-44950	GASKET, 16	1	1						
19	2	119125-51800	GASKET	1	1						
20	2	129901-59560	GASKET	3	3						
21	2	22190-120002	WASHER, SEAL 12	5	5						
22	2	22190-160002	WASHER, SEAL 16	1	1						
23	2	23414-080000	GASKET, 8X1.0	1	1						
24	2	24311-000180	O-RING, 1AP18.0	2	2						
25	1	129400-92410	HONE	1	1						
26	1	977770-1207F	GASKET.LIQUID	1	1						

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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104200-55750	13	14
105010-11490	4	3
106760-01770	2	6
110250-55610	13	10
114250-39450	8	14
114250-53400	12	12
118400-51370	10	24
119025-01331	1	30
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119025-01690	3	5
119025-01760	3	4
119025-14580	6	3
119025-21700	7	1
119025-22900	7	33
119025-25100	6	9
119025-34810	8	3
119025-42000	9	1
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119025-59810	12	29
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119025-59830	12	31
119025-92600	16	1
119027-01560	1	1
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119028-35080	8	9
119125-01750	2	2
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119125-01800	1	35 -1
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119125-01970	1	5
119125-02061	1	9
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119125-02910	1	39
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119125-02940	1	42
119125-21200	7	4
119125-21660	7	11
119125-25050	1	26
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119125-25930	6	13
119125-32000	8	1
119125-34810	8	5

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119125-51241	10	16
119125-51250	10	17
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119717-11650	4	26
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119717-13600	5	3
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119717-23910	7	30
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119717-44740	9	18
119717-49800	9	22
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22512-050120	7	14
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24101-060034	10	75
24101-063034	10	76
24311-000180	2	7
	16	24
24311-000320	4	50
24311-240100	13	15
24316-000150	10	77
24341-000340	7	15
25132-003500	9	17
26022-050122	10	78
26022-060162	10	79
26106-050102	10	80
26106-060102	8	10
		13
	11	79
26106-060122	6	8
26106-060142	8	2
		80
26106-060202	4	51
	11	81
26106-060302	9	20
26106-060352	3	8
26106-060402	1	28
26106-060452	11	82
26106-060752	4	52
26106-080122	9	14
26106-080162	4	56
26106-080202	15	24

Parts No.	Fig. No.	Ref. No.
26106-080252	9	23
26106-080352	2	4
26106-080402	4	32
26106-080452	2	5
	9	15
26106-080652	9	24
26106-100252	14	22
26106-100402	15	20
26206-100202	3	3
26306-080002	5	6
26366-080002	11	60
26450-080252	1	35
26577-060122	9	10
26716-120002	10	81
26756-060002	11	61
		83
26979-050162	4	31
27241-300000	1	11
27241-450000	1	12
27260-120000	11	62
719027-51330	10	1
719125-53100	12	1
977770-1207F	16	26