

0CV10-M54501EN

P R E F A C E

1. This parts catalog is the 2nd edition of 3TNE74-HT for HWASUNG THERMO.

Pub.No. : 0CV10-G54501

Published : February, 2013

2. Model name

Engine model	Vehicle	Vehicle made by
3TNE74-HT	REFRIGERATOR	HWASUNG THERMO

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 $\xrightarrow{\text{No}}$	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes $\xrightarrow{\text{Yes}}$	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes $\xrightarrow{\text{Yes}}$	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$	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.

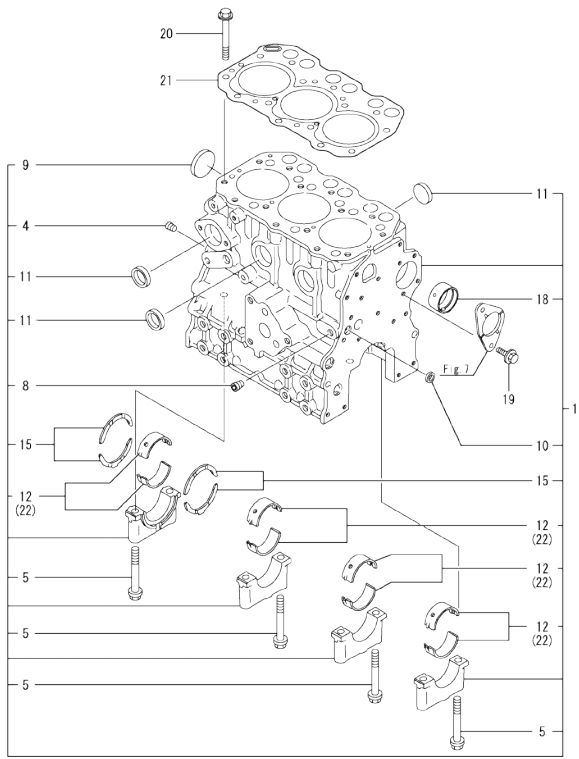
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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12.	GOVERNOR		
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14.	FUEL LINE		
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16.	GENERATOR		
17.	GASKET SET		

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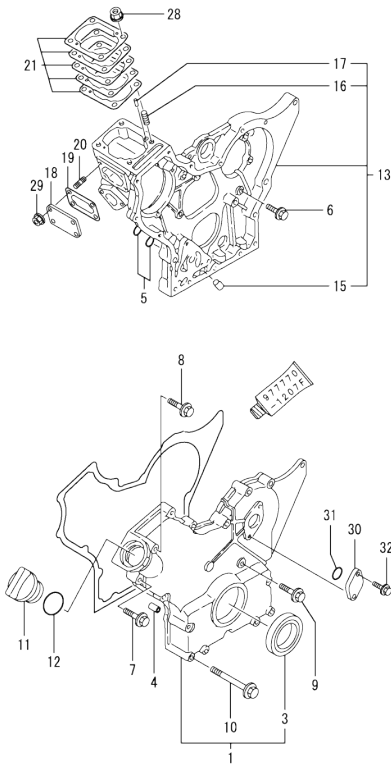
Fig.1. CYLINDER BLOCK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719623-01560	BLOCK ASSY, CYLINDER	1							
4	2	119600-01050	PLUG, PT 1/4	1							
5	2	119620-02020	BOLT, METAL CAP	8							
8	2	23871-010000	PLUG, R01	1							
8-1	2	23876-010000	PLUG, R01	1							N
(A=EXXXXX)											
9	2	27231-450000	PLUG 45	1							
9-1	2	119623-01250	PLUG, 45	1							N
(A=EXXXXX)											
10	2	27241-120000	PLUG, 12	1							
11	2	27241-300000	PLUG 30	6							
12	2	719620-02800	BEARING, MAIN	4							
15	2	719620-02930	BEARING, THRUST	2							
18	2	119624-02410	BUSH	1							
19	1	26106-060122	BOLT, M6X 12 PLATED	2							
20	1	119620-01200	BOLT, HEAD	14							
21	1	119623-01330	GASKET, HEAD	1							
21-1	1	119623-01340	GASKET, HEAD	1							R
(A=EXXXXX)											
22	1	719620-02870	BEARING, 0.25 US	4							1

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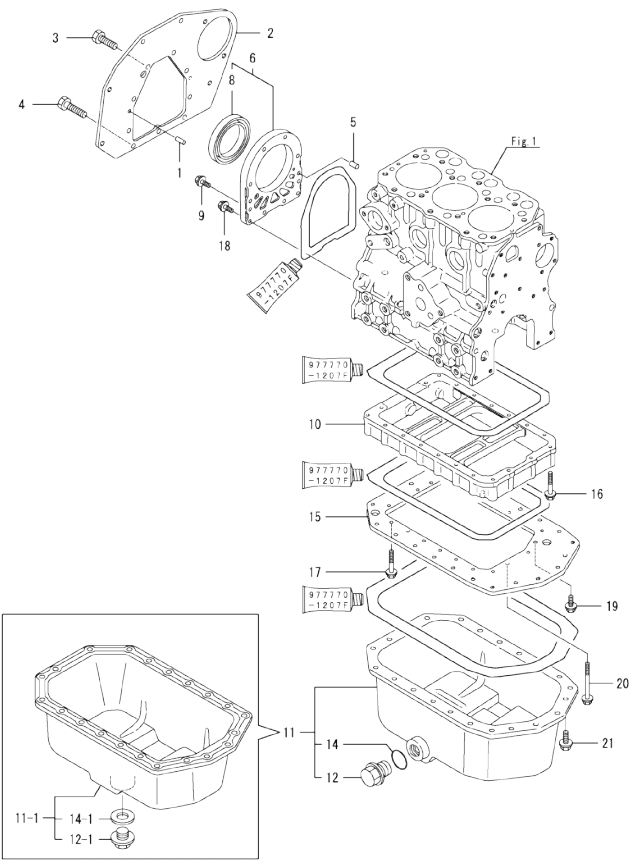
Fig.2. GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119610-01590	COVER ASSY,GEAR CASE	1							
3	2	119620-01800	SEAL, OIL	1							
4	1	119660-01911	PIPE, KNOCK	4							
5	1	24311-000120	O-RING, 1AP12.0	2							
5-1	1	119624-32040	O-RING, P12.0	2							N
(A=EXXXXX)											
6	1	26106-060162	BOLT, M6X 16 PLATED	7							
7	1	26106-060302	BOLT, M6X 30 PLATED	8							
8	1	26106-060602	BOLT, M6X 60 PLATED	1							
9	1	26106-060602	BOLT, M6X 60 PLATED	3							
10	1	26106-060802	BOLT, M6X 80 PLATED	6							
11	1	124160-01751	COVER, FILLER	1							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	119610-01490	CASE ASSY, GEAR	1							
15	2	119660-01510	PLUG, 10X14	1							
16	2	121450-01560	STUD, M8X22	4							
17	2	22351-040010	PIN, SPRING 4.0X10	2							
18	1	119660-01551	COVER	1							
19	1	119660-01562	GASKET	1							
20	1	119660-01570	STUD, M6X12	4							
21	1	119623-01950	SHIM SET, ADJUSTING	1							
28	1	194990-22050	NUT, M8	4							
29	1	26366-060002	NUT, M6	4							
30	1	121023-01550	COVER	1							
30-1	1	121023-01551	COVER	1							R
(A=EA2960)											
31	1	24341-000240	O-RING, 1AS24.0	1							
32	1	26106-060182	BOLT, M6X 18 PLATED	2							
32-1	1	26106-060162	BOLT, M6X 16 PLATED	2							N
(A=EXXXXX)											

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Fig.3. MOUNTING FLANGE & OIL SUMP

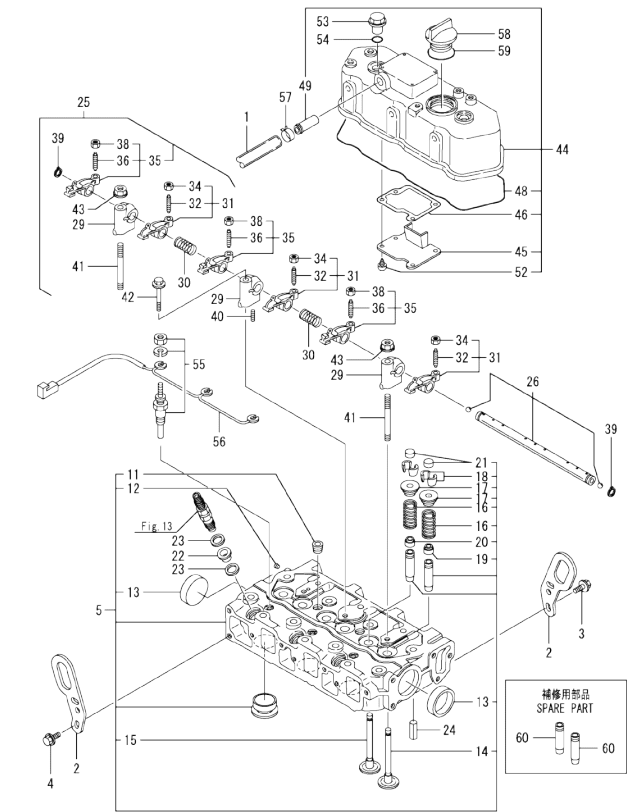


Remarks
(1)Interchangeable by simultaneous replacement with Ref.12-1,14-1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	119285-01600	FLANGE, MOUNTING	1							
3	1	26206-100202	BOLT, M10X 20 PLATED	6							
4	1	26206-100252	BOLT, M10X 25 PLATED	3							
5	1	119620-01620	PIN, M6X10	2							
6	1	119660-01640	CASE ASSY, OIL SEAL	1							
8	2	124085-02220	SEAL, OIL	1							
9	1	26106-060222	BOLT, M6X 22 PLATED	6							
10	1	119600-01722	SPACER, OIL SUMP	1							
11	1	129100-01760	SUMP ASSY, OIL	1							
11-1	1	129136-01780	SUMP ASSY, OIL	1						N	
(A=E66987)											
12	2	171301-01640	PLUG, 22	1							
12-1	2	119640-01640	PLUG, DRAIN M22	1						F	1
(A=E66987)											
14	2	24341-000250	O-RING, 1AS25.0	1							
14-1	2	22190-220002	WASHER, SEAL 22	1						F	1
(A=E66987)											
15	1	119685-01740	PLATE, OIL SUMP	1							
16	1	26106-060452	BOLT, M6X 45 PLATED	3							
17	1	26106-060502	BOLT, M6X 50 PLATED	14							
18	1	119285-01580	BOLT, M46X22	4							
19	1	26106-060202	BOLT, M6X 20 PLATED	3							
20	1	26106-060552	BOLT, M6X 55 PLATED	3							
21	1	26106-080102	BOLT, M8X 10 PLATED	22							

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Fig.4. CYLINDER HEAD & BONNET



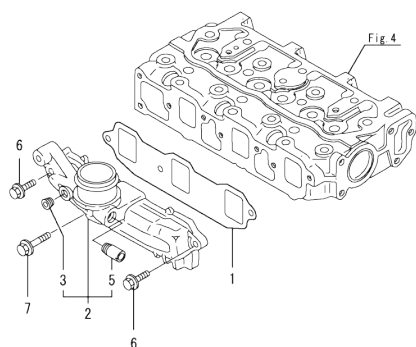
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119685-03140	PIPE , BREATHER	1							
2	1	119260-07900	LIFTER	2							
2-1	1	119626-07900	LIFTER	2							N
(A=EA0699)											
3	1	26106-080142	BOLT, M8X 14 PLATED	1							
4	1	26106-080142	BOLT, M8X 14 PLATED	2							
5	1	719623-11700	HEAD ASSY, CYLINDER	1							
11	2	23871-020000	PLUG, R02	2							
11-1	2	23876-020000	PLUG, R02	2							N
(A=EXXXXX)											
12	2	27221-050080	PLUG, 5X 8	1							
13	2	27241-400000	PLUG, 40	2							
14	2	119623-11100	VALVE, INTAKE	3							
15	2	119620-11110	VALVE, EXHAUST	3							
16	2	119620-11120	SPRING, VALVE	6							
17	2	119620-11180	RETAINER, SPRING	6							
18	2	27310-070001	COTTER, 7	6							
19	2	124160-11340	SEAL, VALVE STEM	3							
20	2	124950-11340	SEAL, VALVE STEM	3							
21	2	104211-11370	CAP, VALVE	6							
22	1	119600-11450	PROTECTOR, NOZZLE	3							
23	1	119600-11460	GASKET, NOZZLE	6							
24	1	22351-060012	PIN, SPRING 6.0X12	2							
25	1	119620-11200	SUPPORT ASSY, ARM	1							
26	2	119620-11240	SHAFT ASSY, ROCKER	1							
29	2	119620-11260	SUPPORT, ROCKER ARM	3							
30	2	119620-11280	SPRING	2							
31	2	719620-11650	ARM ASSY, ROCKER	3							
32	3	105010-11230	SCREW, VALVE ADJUST	3							
34	3	26856-060002	NUT, M6	3							
35	2	719620-11660	ARM ASSY, ROCKER	3							
36	3	105010-11230	SCREW, VALVE ADJUST	3							
38	3	26856-060002	NUT, M6	3							
39	2	22242-000120	RING, 12	2							
40	2	26979-050162	SCREW, M5X16	1							
41	1	119620-11350	STUD	2							
42	1	26106-080452	BOLT, M8X 45 PLATED	1							
43	1	26366-080002	NUT, M8	2							
43-1	1	26306-080002	NUT, M8	2							N
(A=EXXXXX)											
44	1	119620-11330	BONNET ASSY, HEAD	1							
44-1	1	719620-11521	BONNET ASSY, HEAD	1							N
(A=EXXXXX)											
45	2	119620-03020	PLATE, SHELTER	1							
46	2	119620-03031	GASKET	1							
48	2	119620-11310	GASKET, BONNET	1							
49	2	119620-11390	JOINT	1							
49-1	2	118400-03060	JOINT, BREATHER	1							R
(A=EXXXXX)											
52	2	22857-500100	SCREW, 5X10	4							
53	1	124160-11360	KNOB	2							

Remarks
(1)Spare part.

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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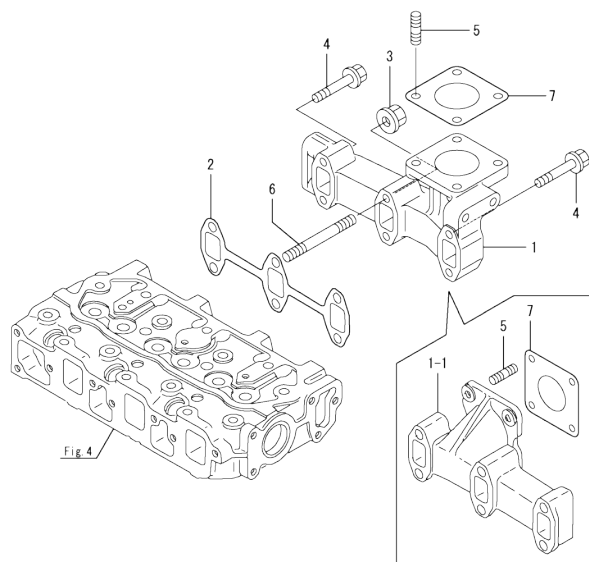


N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119660-12111	GASKET, MANIFOLD	1							
2	1	119685-12731	MANIFOLD ASSY,INTAKE	1							
3	2	119285-01730	PLUG, NPT1/8	1							
3-1	2	119285-01731	PLUG, NPT1/8	1							N
		(A=EXXXXX)									
5	2	104207-44480	JOINT	1							
6	1	26106-060162	BOLT, M6X 16 PLATED	2							
6-1	1	26106-060182	BOLT, M6X 18 PLATED	2							N
		(A=EXXXXX)									
7	1	26106-060452	BOLT, M6X 45 PLATED	1							
8	1	119233-12540	CLEANER ASSY, AIR	1							
9	2	119808-12540	VALVE, UNLOADER	1							
10	2	119655-12560	ELEMENT	1							
11	2	105027-12570	COVER, AIR CREAMER	1							
12	2	105027-12580	RING	1							
13	2	119233-12670	BODY, AIR CLEANER	1							
14	1	119632-12211	PIPE, AIR INTAKE	1							
15	1	119655-12560	ELEMENT	1							

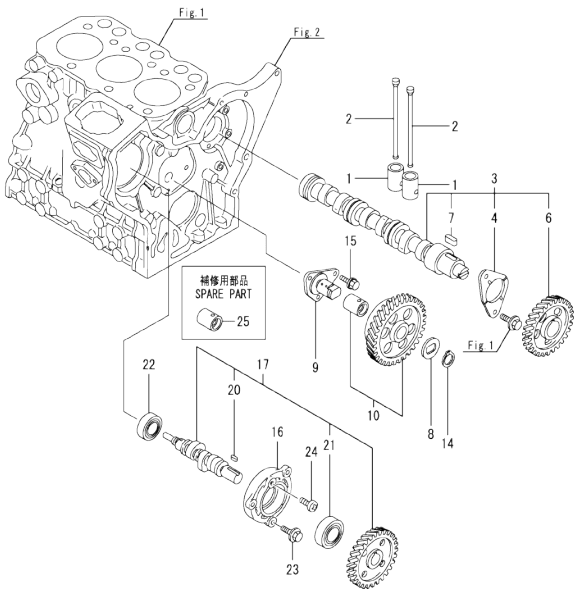
Fig.6. EXHAUST MANIFOLD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119631-13101	MANIFOLD, EXHAUST	1							
1-1	1	119600-13101	MANIFOLD, EXHAUST	1							S
(A=E39960)											
2	1	119620-13110	GASKET	1							
3	1	26366-080002	NUT, M8	2							
3-1	1	26306-080002	NUT, M8	2							N
(A=EXXXXX)											
4	1	26106-080402	BOLT, M8X 40 PLATED	4							
4-1	1	119802-13600	BOLT, M8X40	4							N
(A=EXXXXX)											
5	1	119131-18320	STUD, M8X22	4							
6	1	26216-080552	STUD, M8X 55	2							
6-1	1	129054-13210	STUD, M8X55	2							N
(A=EXXXXX)											
7	1	124701-11911	GASKET, SILENCER	1							

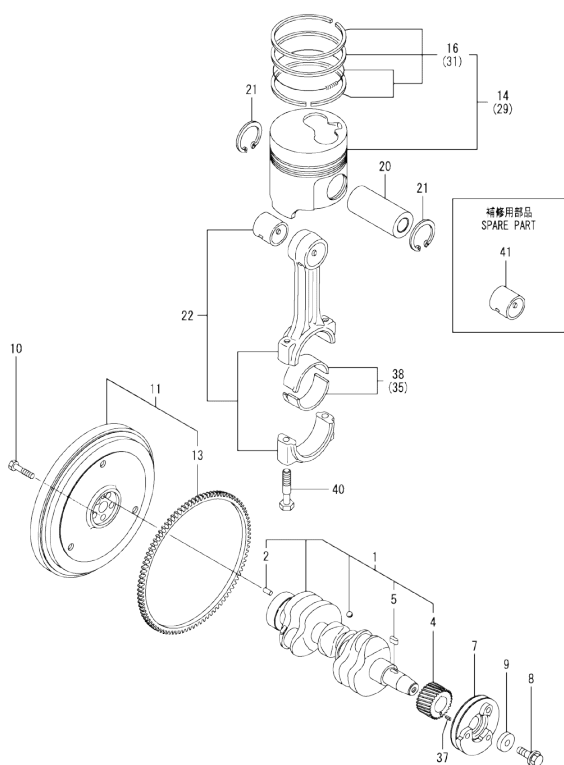
N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.7. CAMSHAFT & DRIVING GEAR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	6							
2	1	119620-14401	ROD, PUSH	6							
3	1	119629-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
6	2	119620-14100	GEAR, CAMSHAFT	1							
7	2	22512-040120	KEY, 4X 12	1							
8	1	119660-25022	RETAINER	1							
9	1	119660-25052	SHAFT, IDLE	1							
10	1	119620-25102	GEAR ASSY, IDLE	1							
14	1	22242-000200	RING, 20	1							
15	1	26106-060122	BOLT, M6X 12 PLATED	3							
16	1	119660-01821	BEARING, FUEL CAM	1							
17	1	719660-14590	CAMSHAFT	1							
20	2	22512-040120	KEY, 4X 12	1							
21	2	24102-063034	BEARING, BALL 6303U	1							
22	1	24101-062034	BEARING, BALL 6203	1							
23	1	26106-060162	BOLT, M6X 16 PLATED	3							
24	1	26587-080102	SCREW, M8X10	1							
25	1	119620-25912	BUSH	1							1

Remarks
(1)Spare part.



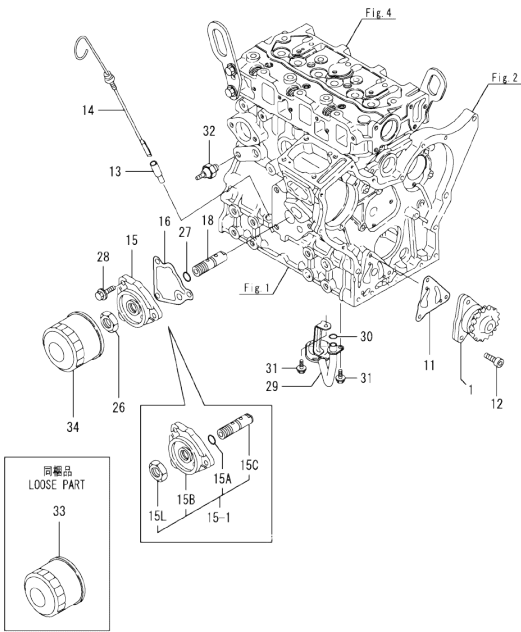
Remarks
(1) Spare part.
(2) Over-sized (O.S.=0.25) part.
(3) Under-sized (U.S.=0.25) part.

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
1	1	119623-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119644-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	119653-21650	V-PULLEY	1							
8	1	119621-21680	BOLT, FLANGE 12X1.25	1							
8-1	1	119621-21681	BOLT, FLANGE 12X1.25	1							R
(A=EA9882)											
9	1	119620-21941	WASHER	1							
10	1	119620-21500	BOLT, FLYWHEEL	5							
11	1	119687-21590	FLYWHEEL ASSY	1							
13	2	124060-21600	GEAR, RING	1							
14	1	119623-22080	PISTON ASSY	3							
16	2	119623-22500	RING SET, PISTON	3							
20	1	114350-22301	PIN, PISTON D=21	3							
20-1	1	114399-22300	PIN, PISTON D=21	3							R
(A=EXXXXX)											
21	1	22252-000210	RING, 21	6							
22	1	719620-23100	ROD ASSY, CONNECTING	3							
29	1	119623-22900	PISTON ASSY, 0.25 OS	3							2
31	2	119623-22950	RING SET, 0.25 OS	3							2
35	1	719620-23610	BEARING ASSY, 0.25	3							3
37	1	22351-030012	PIN, SPRING 3.0X12	1							
38	1	719620-23600	BEARING, CRANK PIN	3							
40	1	105225-23200	BOLT, CONNECTING ROD	6							
40-1	1	119717-23200	BOLT, CONNECTING ROD	6							R
(A=EXXXXX)											
41	1	119620-23910	BEARING, PISTON PIN	3							

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. LUB. OIL SYSTEM



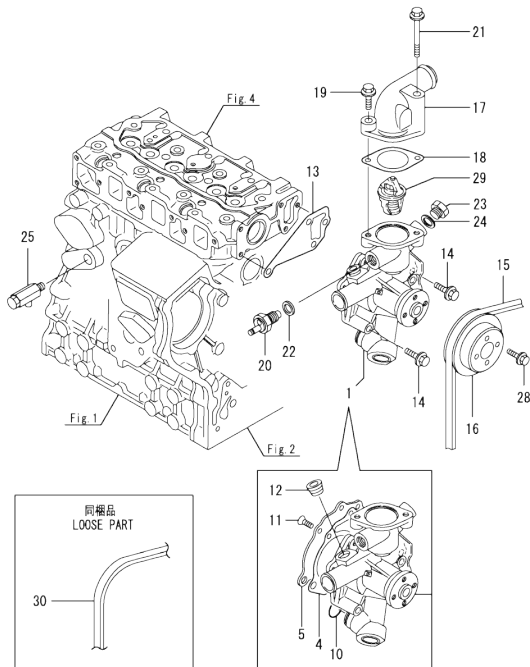
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119660-32001	PUMP ASSY, OIL	1							
11	1	119660-32020	GASKET, PUMP	1							
12	1	26450-060202	BOLT, M6X 20	3							
13	1	121520-34810	GUIDE, DIPSTICK	1							
14	1	119600-34820	DIPSTICK, OIL	1							
15	1	119660-35102	BRACKET, FILTER	1							
15-1	1	119609-35000	BRACKET ASSY, FILTER	1							N
(A=E66987)											
15A	2	119609-32040	O-RING, P16	1							W
(A=E66987)											
15B	2	119660-35102	BRACKET, FILTER	1							W
(A=E66987)											
15C	2	119609-35300	VALVE ASSY, CONTROL	1							W
(A=E66987)											
15L	2	129150-35350	NUT	1							W
(A=E66987)											
16	1	119660-35113	GASKET	1							
18	1	119660-35300	VALVE ASSY, CONTROL	1							Z
(A=E66987)											
26	1	129150-35350	NUT	1							Z
(A=E66987)											
27	1	24311-000160	O-RING, 1AP16.0	1							Z
(A=E66987)											
28	1	26106-080202	BOLT, M8X 20 PLATED	3							
29	1	119600-35091	PIPE ASSY, OIL INLET	1							
30	1	119209-35030	O-RING, P11	1							
31	1	26106-060102	BOLT, M6X 10 PLATED	2							
32	1	124160-39450	SWITCH, 0.5KG	1							
32-1	1	114250-39450	SWITCH, 0.5KG	1							N
(A=E66987)											
33	1	119305-35151	FILTER ASSY, D68XL65	1							
34	1	119305-35151	FILTER ASSY, D68XL65	1							1

Remarks
(1)Spare part.

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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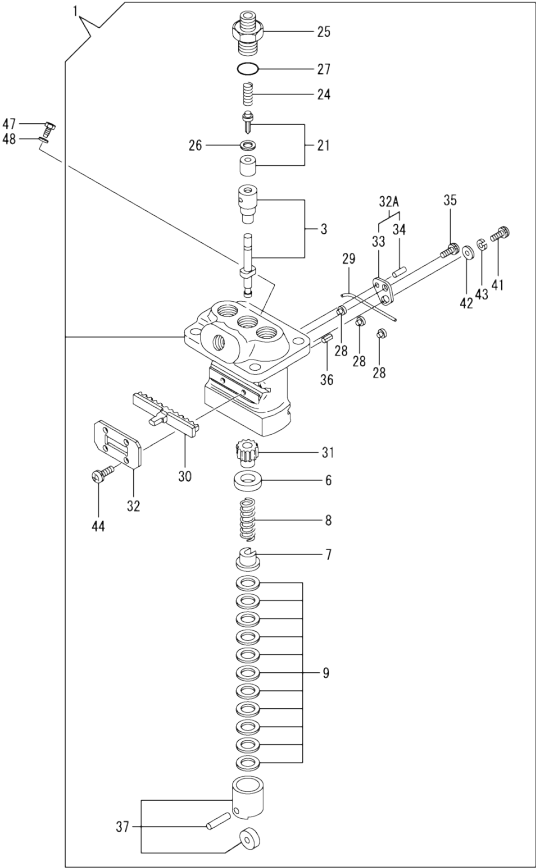
Fig.10. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119660-42005	PUMP ASSY, WATER	1							
1-1	1	119660-42006	PUMP ASSY, WATER	1						N	
(A=EXXXXX)											
1-2	1	119660-42007	PUMP ASSY, WATER	1						N	
(A=EXXXXX)											
1-3	1	119660-42008	PUMP ASSY, WATER	1						N	
(A=EXXXXX)											
1-4	1	119660-42009	PUMP ASSY, WATER	1						R	
(A=EA6545)											
4	2	119660-42052	GASKET, WATER PUMP	1							
5	2	119660-42121	PLATE	1							
10	2	119620-42320	O-RING	1							
10-1	2	119609-42320	O-RING	1						N	
(A=EXXXXX)											
11	2	26577-060122	SCREW, M6X12	5							
12	2	23871-030000	PLUG, R03	1							
12-1	2	23876-030000	PLUG, R03	1						N	
(A=EXXXXX)											
13	1	119620-42020	GASKET, WATER PUMP	1							
13-1	1	119620-42021	GASKET, WATER PUMP	1						N	
(A=EXXXXX)											
14	1	26106-080452	BOLT, M8X 45 PLATED	4							
15	1	119656-42290	V-BELT, FM35.5	1						Z	
(A=EA6021)											
16	1	119660-42350	V-PULLEY	1							
17	1	124101-49530	COVER, THERMOSTAT	1							
17-1	1	124101-49531	COVER, THERMOSTAT	1						N	
(A=EXXXXX)											
18	1	129350-49541	GASKET	1							
19	1	26106-080282	BOLT, M8X 28 PLATED	1							
20	1	121250-44901	SWITCH, 110	1							
21	1	26106-080652	BOLT, M8X 65 PLATED	1							
22	1	124465-44950	GASKET, 16	1							
23	1	121450-42450	PLUG, M16	1							
24	1	124465-44950	GASKET, 16	1							
25	1	119620-49290	COCK ASSY, 1/4	1							
28	1	26106-060122	BOLT, M6X 12 PLATED	4							
29	1	129350-49800	THERMOSTAT, 71	1							
30	1	119656-42290	V-BELT, FM35.5	1						W	
(A=EA6021)											

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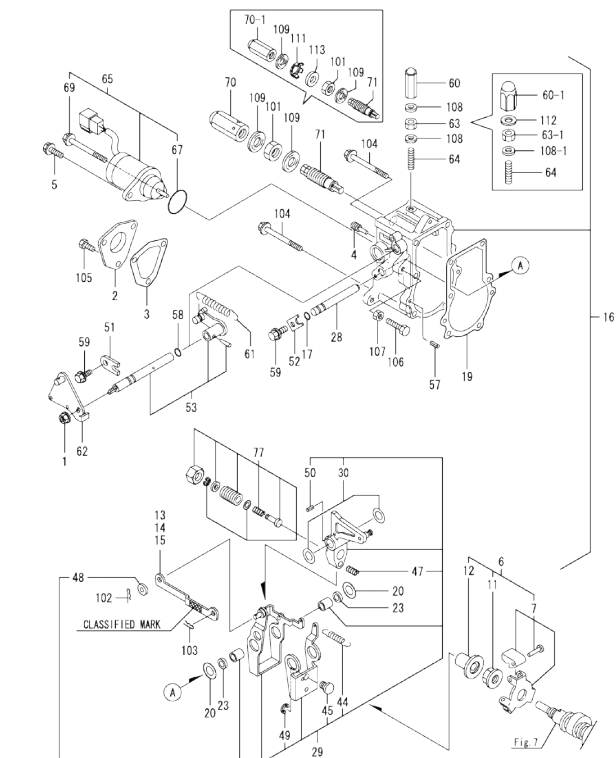
Fig.11. FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719621-51100	PUMP ASSY, INJECTION	1							
1-1	1	719624-51100	PUMP ASSY, INJECTION	1							N
(A=EXXXXX)											
3	2	119620-51101	PLUNGER ASSY	3							
6	2	119620-51170	RETAINER, SPRING A	3							
7	2	119620-51180	RETAINER, SPRING B	3							
8	2	119620-51190	SPRING, PLUNGER	3							
9	2	119620-51250	SHIM SET	3							
21	2	119620-51300	VALVE ASSY, DELIVERY	3							
24	2	105546-51330	SPRING, DELIVERY	3							
25	2	119620-51340	HOLDER, DELIVERY	3							
26	2	119620-51350	GASKET	3							
27	2	119620-51370	O-RING	3							
27-1	2	24316-000125	O-RING, 4DP12.5	3							N
(A=EXXXXX)											
28	2	119620-51450	PIECE	3							
29	2	119620-51461	PIN	1							
30	2	119660-51500	RACK, CONTROL	1							
31	2	119620-51510	PINION	3							
32	2	119660-51530	RETAINER, RACK	1							
32A	2	119620-51640	PLATE ASSY, ADJUST	2							
33	3	119620-51650	PLATE	2							
34	3	119620-51670	PIN	2							
35	2	119620-51660	SCREW	2							
36	2	119620-51680	PIN	1							
37	2	119620-51700	TAPPET ASSY	3							
41	2	26587-040102	SCREW, M4X10	2							
41-1	2	26033-040102	SCREW, M4X10	2							R
(A=EXXXXX)											
42	2	22137-040000	WASHER, 4	2							Z
(A=EXXXXX)											
43	2	22217-040000	WASHER, SPRING 4	2							Z
(A=EXXXXX)											
44	2	26022-040082	SCREW, M4X 8	4							
47	1	119266-51900	BOLT	1							W
(A=EXXXXX)											
47-1	1	119266-51900	BOLT	1							Z
(A=E72685)											
48	1	22190-080002	WASHER, SEAL 6	1							W
(A=EXXXXX)											
48-1	1	22190-080002	WASHER, SEAL 6	1							Z
(A=E72685)											

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Fig.12. GOVERNOR

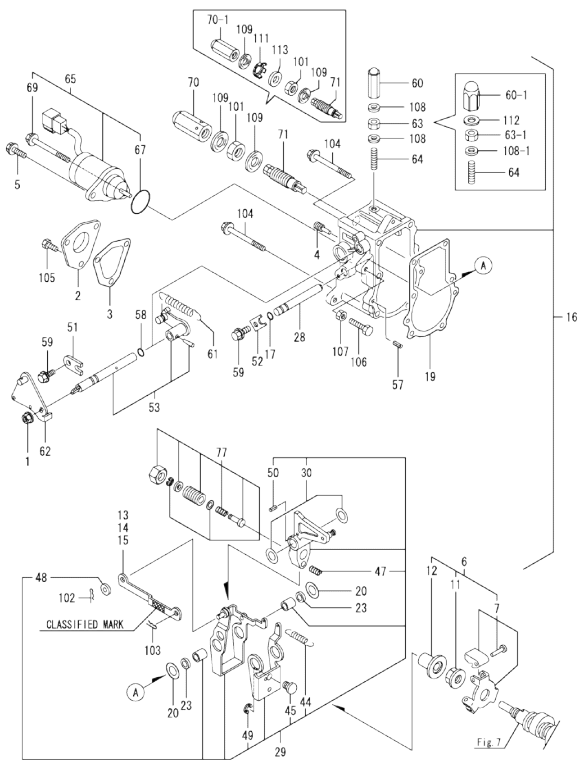


Remarks
(1)Selective parts, mark; no mark
(2)Selective parts, mark; 2
(3)Selective parts, mark; A
(4)Selective parts, mark; 3
(5)Selective parts, mark; B
(6)Material=Ref.19 SF-8500,19-1 GRC.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194990-22050	NUT, M8	1							
1-1	1	26366-080002	NUT, M8	1							R
(A=EXXXXX)											
2	1	119660-61060	COVER, GOVERNOR CASE	1							
3	1	119660-61071	GASKET	1							
4	1	124250-03640	SCREW	1							
5	1	121465-59950	BOLT, M6X16	1							
6	1	119600-61100	DRIVE ASSY	1							
7	2	119600-61200	WEIGHT ASSY,GOVERNOR	1							
11	2	119660-61300	NUT	1							
11-1	2	129008-61301	NUT	1							R
(A=EXXXXX)											
12	2	119660-61341	SLEEVE	1							
13	1	119660-61121	LINK, NO MARK	1							1
13-1	1	119660-61122	LINK, NO MARK	1							R 1
(A=E83742)											
14	1	119660-61140	LINK, MARK :2	1							2
14-1	1	119660-61141	LINK, MARK A	1							R 3
(A=E83742)											
15	1	119660-61150	LINK, MARK :3	1							4
15-1	1	119660-61151	LINK, MARK :B	1							R 5
(A=E83742)											
16	1	119632-61200	CASE ASSY, GOVERNOR	1							
17	2	129155-51280	O-RING, S6	1							
19	2	119660-61052	GASKET	1							
19-1	2	119660-61053	GASKET	1							S 6
(A=E83742)											
19-2	2	119660-61054	GASKET	1							R
(A=EXXXXX)											
20	2	119660-61460	SHIM SET	1							
20-1	2	129156-61500	SHIM, T=0.5	1							N
(A=E83742)											
23	2	129155-61480	SPACER ASSY	2							
23-1	2	119632-61500	SHIM SET	1							N
(A=E83742)											
28	2	119660-61491	SHAFT	1							
28-1	2	119660-61590	SHAFT	1							N
(A=EXXXXX)											
29	2	119232-61510	LEVER ASSY, GOVERNOR	1							
30	3	174307-51700	SHIM SET	2							
44	3	119232-61540	SPRING	1							
45	3	119600-61540	SHIFTER	1							
45-1	3	129100-61540	SHIFTER	1							N
(A=EB0450)											
47	3	119660-61651	SPRING, STARTING	1							
48	3	22117-040000	WASHER, 4	1							
49	3	22272-000040	RING, E- 4	1							
50	3	22351-030014	PIN, SPRING 3.0X14	1							
51	2	119600-61900	RETAINER, SHAFT	1							
52	2	119660-61901	RETAINER, SHAFT	1							
53	2	119285-66080	SHAFT ASSY	1							

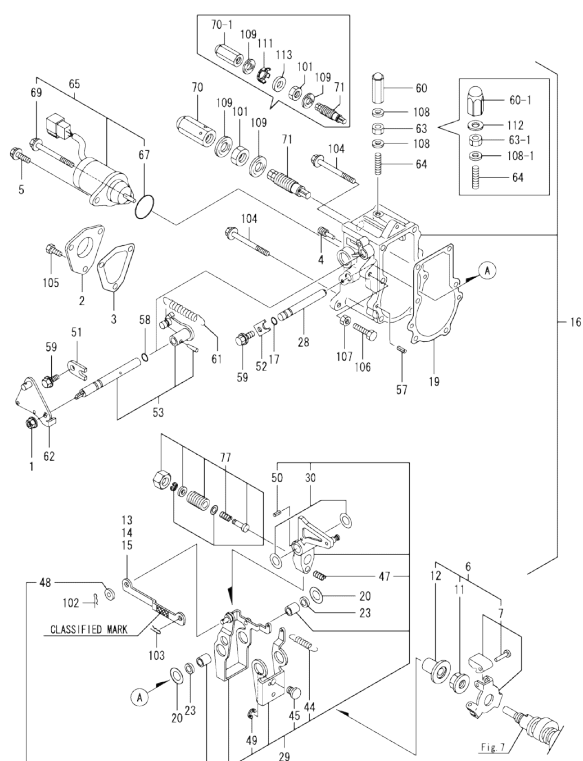
N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.12. GOVERNOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
53-1	2	119285-66081 (A=EA9995)	SHAFT ASSY,REGULATOR	1							N
57	2	22351-040010	PIN, SPRING 4.0X10	2							
58	2	24341-000070	O-RING, 1AS7.0	1							
59	2	26106-060102	BOLT, M6X 10 PLATED	2							
60	1	119600-66840	NUT, CAP	1							
60-1	1	119285-66600	NUT, CAP M6	1							S
61	1	119600-66020	SPRING, REGULATOR	1							
61-1	1	119260-66010	SPRING, REGULATOR	1							N
62	1	119621-66051	LEVER, REGULATOR	1							
63	1	124550-66370	NUT, M6	1							
63-1	1	26857-060002	NUT, M6	1							S
64	1	121575-66830	SCREW	1							
65	1	119653-66500	STOPPER ASSY	1							
67	2	24341-000280	O-RING, 1AS28.0	1							
67-1	2	158552-61900	O-RING	1							R
69	2	26106-060952	BOLT, M6X 95 PLATED	1							
69-1	2	119620-01530	BOLT	1							N
70	1	129100-61930	NUT, CAP	1							
70-1	1	26687-120002	NUT, CAP M12	1							S
71	1	119600-66530	LIMITER ASSY, FUEL	1							
77	1	119610-66700	ANGLEICH ASSY	1							
101	1	26776-120002	NUT, LOCK M12	1							
101-1	1	26736-120002	NUT, M12	1							N
101-2	1	129209-61920	NUT, ARB	1							N
102	1	22360-040000	PIN, SNAP 4	1							
102-1	1	22417-120120	PIN, COTTER 1.2X12	1							R
103	1	22360-060000	PIN, SNAP 6	1							
104	1	26106-060702	BOLT, M6X 70 PLATED	5							
105	1	26116-050102	BOLT, M5X 10 PLATED	3							
105-1	1	26106-050102	BOLT, M5X 10 PLATED	3							N
106	1	26116-060304	BOLT, M6X 30 PLATED	1							
106-1	1	119266-61460	BOLT	1							R
107	1	26756-060002	NUT, LOCK M6	1							
108	1	22190-060003	SEAL WASER 6	2							
108-1	1	22190-060003	SEAL WASER 6	1							K
109	1	22190-120002	WASHER, SEAL 12	2							
111	1	129209-61970	PLATE	1							W

N:Old $\frac{N_{OLD}}{N_{NEW}}$ New, Q:Old $\frac{Q_{OLD}}{Q_{NEW}}$ New, R:Old $\frac{R_{OLD}}{R_{NEW}}$ New, S:Old $\frac{S_{OLD}}{S_{NEW}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Remarks

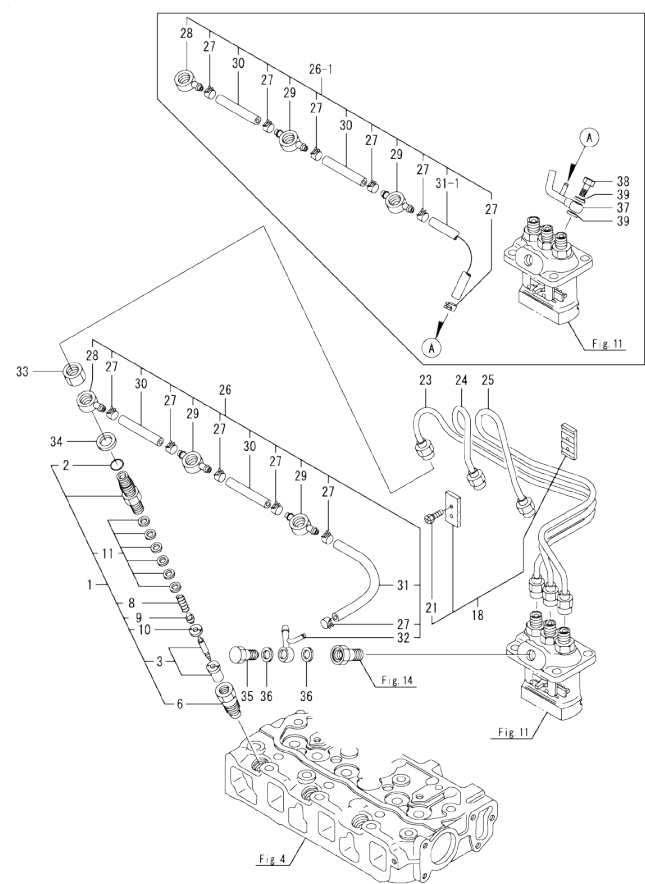
- (1) Selective parts, mark; no mark
(2) Selective parts, mark; 2
(3) Selective parts, mark; A
(4) Selective parts, mark; 3
(5) Selective parts, mark; B
(6) Material=Ref.19 SF-8500,19-1 GRC.

				(A)=3TNE74-HT (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
112	1	119285-66620 (A=E76499)	GASKET	1						W	
113	1	23414-120016 (A=E76499)	GASKET, 12X1.0	1						W	

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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Fig.13. FUEL INJECTION VALVE



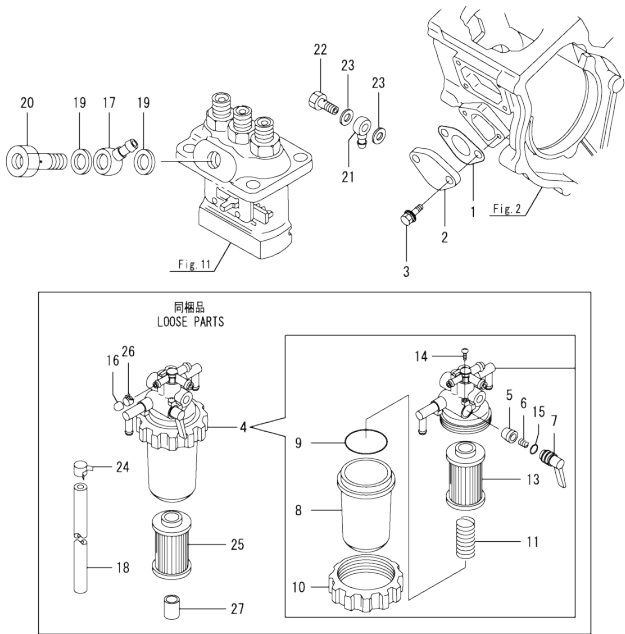
Remarks
(M)Misprint.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719255-53100	VALVE ASSY,INJECTION	3							M
1-1	1	719620-53100	VALVE ASSY,INJECTION	3							
1-2	1	719255-53100	VALVE ASSY,INJECTION	3							N
(A=EXXXXX)											
2	2	129155-61830	O-RING, S10	3							
2-1	2	158552-51930	O-RING, 4D S10	3							N
(A=EXXXXX)											
3	2	119620-53000	VALVE ASSY,INJECTION	3							
6	2	119620-53080	NUT, NOZZLE	3							
8	2	119620-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	119620-53140	SPACER, VALVE STOP	3							
11	2	114250-53400	SHIM SET	3							
11-1	2	119803-53400	SHIM SET	3							R
(A=EXXXXX)											
18	1	129150-59120	RETAINER, PIPE	1							
21	2	129150-59131	BOLT, M4X14	2							
23	1	119620-59811	PIPE ASSY, INJECTION	1							
24	1	119620-59821	PIPE ASSY, INJECTION	1							
25	1	119620-59831	PIPE ASSY, INJECTION	1							
26	1	119642-59540	PIPE ASSY, RETURN	1							
26-1	1	119266-59540	PIPE ASSY, FUEL	1							S
(A=E72685)											
27	2	124066-59100	CLIP, HOSE 8	6							
28	2	119260-59520	JOINT	1							
29	2	119260-59530	JOINT	2							
30	2	105025-59550	PIPE, FUEL RETURN	2							
31	2	119642-59550	PIPE, FUEL RETURN	1							
31-1	2	119000-59560	PIPE, FUEL RETURN	1							S
(A=E72685)											
32	2	119642-59570	JOINT, OVER FLOW	1							Z
(A=E72685)											
33	1	119620-59700	NUT, NOZZLE	3							
34	1	23414-140000	GASKET, 14X1.0	3							
34-1	1	22190-140002	WASHER, SEAL 14	3							N
(A=EXXXXX)											
35	1	124550-59820	BOLT, PIPE JOINT M8	1							Z
(A=E72685)											
36	1	23414-080012	GASKET, 8X1.0	2							
36-1	1	22190-080002	WASHER, SEAL 6	2							N
(A=EXXXXX)											
36-2	1	22190-080002	WASHER, SEAL 6	2							Z
(A=E72685)											
37	1	119356-59571	JOINT, OVER FLOW	1							W
(A=E72685)											
38	1	119266-59580	BOLT, PIPE JOINT M8	1							W
(A=E72685)											
39	1	22190-080002	WASHER, SEAL 6	2							W
(A=E72685)											

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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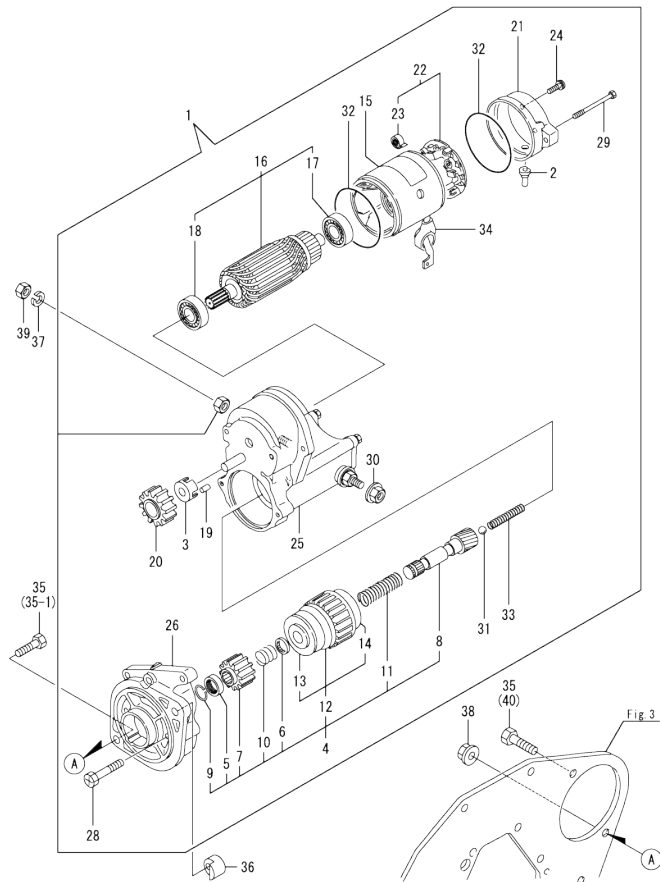
Fig.14. FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121520-01851	GASKET	1							
2	1	121520-01860	COVER	1							
3	1	26106-060162	BOLT, M6X 16 PLATED	2							
4	1	119632-55620	FILTER ASSY, FUEL	1							
5	2	104200-55321	VALVE, TAPER	1							
6	2	104200-55330	SPRING, VALVE	1							
7	2	119810-55340	LEVER	1							
8	2	121254-55510	COVER	1							
9	2	102103-55520	O-RING	1							
10	2	110250-55610	RING, RETAINING	1							
11	2	121250-55620	SPRING	1							
13	2	124550-55700	FILTER, FUEL L=90	1							
14	2	104200-55750	SCREW, M4	1							
15	2	24311-240100	O-RING, 1AP10A	1							
16	1	129150-59580	CAP	1							
17	1	101304-59020	JOINT, PIPE 12	1							
18	1	105225-59520	PIPE, FUEL	1							
19	1	104200-59170	GASKET, 12	2							
19-1	1	22190-120002	WASHER, SEAL 12	2							N
(A=E72685)											
20	1	119650-59200	BOLT, PIPE JOINT M12	1							
20-1	1	119462-59190	BOLT ASSY, JOINT	1							N
(A=E72685)											
20-2	1	105340-59190	BOLT ASSY, JOINT	1							N
(A=E72685)											
21	1	104264-59030	JOINT, PIPE 8	2							Z
(A=E72685)											
22	1	105582-59150	BOLT, PIPE JOINT	2							Z
(A=E72685)											
23	1	22190-080002	WASHER, SEAL 6	4							Z
(A=E72685)											
24	1	124766-59050	CLIP, HOSE 12	8							
25	1	124550-55700	FILTER, FUEL L=90	1							
26	1	124066-59100	CLIP, HOSE 8	1							
27	1	119773-91050	COLLAR	1							W
(A=E72685)											

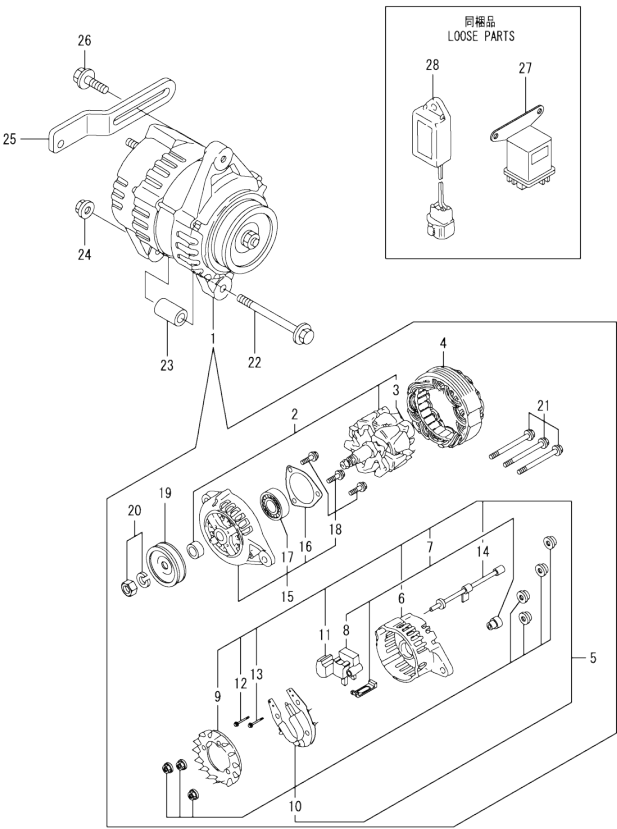
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Fig.15. STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121120-77012	STARTER, RA1.4	1							
2	2	129129-77362	COVER	1							
3	2	129129-77260	RETAINER	1							
4	2	121120-77250	STARTER	1							
5	3	X0280210230	NUT	1							
6	3	X0283270140	RETAINER	1							
7	3	X0283711770	PINION	1							
8	3	129129-77400	SHAFT	1							
9	3	129129-77430	RING	1							
10	3	129407-77410	SPRING	1							
11	3	129129-77410	SPRING, COIL	1							
12	3	129129-77390	CLUTCH ASSY	1							
13	4	129129-77440	BEARING, BALL	1							
14	4	129129-77450	BEARING, BALL	1							
15	2	129407-77210	YOKE ASSY	1							
16	2	129407-77220	ARMATURE ASSY	1							
17	3	129129-77240	BEARING, BALL	1							
18	3	129129-77230	BEARING, BALL	1							
19	2	X0283060061	ROLLER	5							
20	2	129129-77270	PINION	1							
21	2	129407-77290	FRAME	1							
22	2	129407-77300	HOLDER ASSY	1							
23	3	X9491730461	SPRING	4							
24	2	129129-77460	SCREW	2							
25	2	129407-77310	SWITCH ASSY	1							
26	2	121120-77280	HOUSING	1							
28	2	129129-77320	BOLT	2							
29	2	129407-77330	BOLT	2							
30	2	X9490561370	NUT	1							
31	2	X9491200240	BALL	1							
32	2	129129-77350	O-RING	2							
33	2	129129-77340	SPRING	1							
34	2	129129-77380	CAP	1							
35	1	26156-120302	BOLT, M12X 30 PLATED	2							
35-1	1	26156-120302	BOLT, M12X 30 PLATED	1							K
(A=EXXXXX)											
35-2	1	26156-120352	BOLT, M12X 35 PLATED	1							R
(A=EXXXXX)											
36	1	119285-77050	NUT	1							
37	1	22217-080000	WASHER, SPRING 8	1							Z
(A=EXXXXX)											
38	1	26376-120002	NUT, M12	1							
39	1	26756-080002	NUT, LOCK M8	1							Z
(A=EXXXXX)											
40	1	26156-120352	BOLT, M12X 35 PLATED	1							W
(A=EXXXXX)											

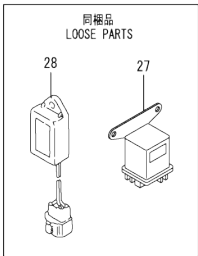
Fig.16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200 (A=EA6021)	GENERATOR	1						Z	
2	2	119836-77700	ROTOR ASSY	1						Z	
3	(A=EA6021) 3	119836-77850 (A=EA6021)	BEARING, BALL	1						Z	
4	2	119836-77710 (A=EA6021)	STATOR ASSY	1						Z	
5	2	119836-77721	COVER ASSY, REAR	1						Z	
6	(A=EA6021) 3	119836-77730 (A=EA6021)	COVER, REAR	1						Z	
7	3	119836-77741 (A=EA6021)	BRUSH ASSY,REGULATOR	1						Z	
8	4	119836-77750	BRUSH ASSY	1						Z	
9	(A=EA6021) 3	119836-77760 (A=EA6021)	GUIDE, FAN SIDE	1						Z	
10	3	119836-77770 (A=EA6021)	DIODE ASSY	1						Z	
11	3	119836-77780	CONDENSER	1						Z	
12	(A=EA6021) 3	119836-77871 (A=EA6021)	BOLT (1)	1						Z	
13	3	119836-77880 (A=EA6021)	BOLT (2)	1						Z	
14	3	119836-77890	WIRE ASSY, LEAD	1						Z	
15	(A=EA6021) 2	119836-77790 (A=EA6021)	COVER ASSY, FRONT	1						Z	
16	3	119836-77800 (A=EA6021)	RETAINER, BEARING	1						Z	
17	3	119836-77840 (A=EA6021)	BEARING, BALL	1						Z	
18	3	119836-77860 (A=EA6021)	SCREW KID	1						Z	
19	2	119836-77810 (A=EA6021)	PULLEY	1						Z	
20	2	119836-77820 (A=EA6021)	NUT ASSY, PULLEY	1						Z	
21	(A=EA6021) 2	119836-77830 (A=EA6021)	BOLT, THROUGH	1						Z	
22	1	26106-081052 (A=EA6021)	BOLT, M8X105 PLATED	1						Z	
23	1	119621-77340 (A=EA6021)	PIECE, DISTANCE	1						Z	
24	1	26366-080002	NUT, M8	1							
24-1	(A=EXXXXX) 1	26306-080002 (A=EA6021)	NUT, M8	1						N	
24-2	1	26306-080002 (A=EA6021)	NUT, M8	1						Z	

N:Old $\frac{NBS}{100}$ New, Q:Old $\frac{HQ}{100}$ New, R:Old $\frac{RBS}{100}$ New, S:Old $\frac{HS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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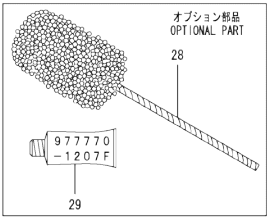
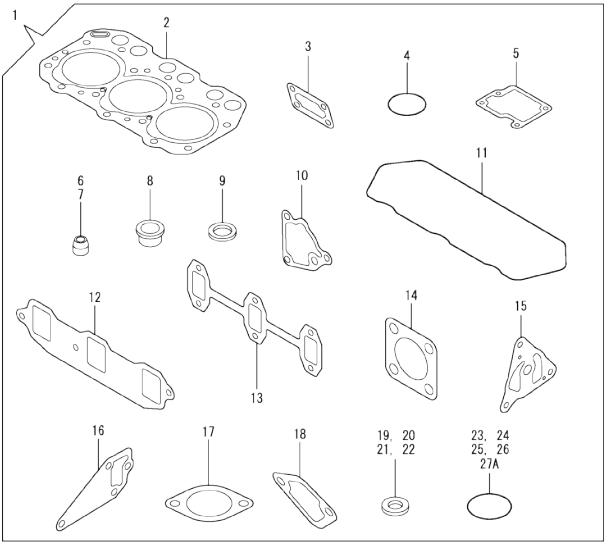
Fig.16. GENERATOR

[illegible]

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

0CV10-M54501

Fig.17. GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719789-92601	GASKET SET	1							1
1-1	1	719789-92640	GASKET SET	1						N	1
(A=E66987)											
1-2	1	719623-92720	GASKET SET	1						S	1
(A=E66987)											
2	2	119623-01330	GASKET, HEAD	1							
2-1	2	119623-01340	GASKET, HEAD	1						R	
(A=E66987)											
3	2	119660-01562	GASKET	1							
4	2	24311-000320	O-RING, 1AP32.0	1							
5	2	119620-03031	GASKET	1							
6	2	124950-11340	SEAL, VALVE STEM	3							
7	2	124160-11340	SEAL, VALVE STEM	3							
8	2	119600-11450	PROTECTOR, NOZZLE	3							
9	2	119600-11460	GASKET, NOZZLE	6							
10	2	119660-35113	GASKET	1							
11	2	119620-11310	GASKET, BONNET	1							
12	2	119660-12111	GASKET, MANIFOLD	1							
13	2	119620-13110	GASKET	1							
14	2	124701-11911	GASKET, SILENCER	2							
15	2	119660-32020	GASKET, PUMP	1							
16	2	119620-42020	GASKET, WATER PUMP	1							
16-1	2	119620-42021	GASKET, WATER PUMP	1						N	
(A=E66987)											
17	2	129350-49541	GASKET	1							
18	2	121520-01851	GASKET	1							
19	2	124465-44950	GASKET, 16	2							
20	2	104200-59170	GASKET, 12	2							
20-1	2	22190-120002	WASHER, SEAL 12	2						N	
(A=E66987)											
21	2	23414-140000	GASKET, 14X1.0	3							
21-1	2	22190-140002	WASHER, SEAL 14	3						N	
(A=E66987)											
22	2	22190-080002	WASHER, SEAL 6	4						Z	
(A=E72685)											
23	2	24311-000120	O-RING, 1AP12.0	2							
24	2	129155-61830	O-RING, S10	3							
24-1	2	158552-51930	O-RING, 4D S10	3						N	
(A=E66987)											
25	2	24341-000240	O-RING, 1AS24.0	1							
26	2	24341-000250	O-RING, 1AS25.0	1							
26-1	2	22190-220002	WASHER, SEAL 22	1						S	
(A=E66987)											
27	2	23414-080012	GASKET, 8X1.0	2							
27-1	2	22190-080002	WASHER, SEAL 6	2						N	
(A=E66987)											
27A	2	24311-000120	O-RING, 1AP12.0	2							
27A-1	2	119624-32040	O-RING, P12.0	2						N	
(A=E66987)											
28	1	129400-92410	HONE	1							1
29	1	977770-01212	GASKET, LIQUID	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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104200-59170	14	19
	17	20
104207-44480	5	5
104211-11370	4	21
104264-59030	14	21
105010-11230	4	32
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105025-59550	13	30
105027-12570	5	11
105027-12580	5	12
105225-23200	8	40
105225-59520	14	18
105340-59190	14	20 -2
105546-51330	11	24
105582-59150	14	22
110250-55610	14	10
114250-39450	9	32 -1
114250-53130	13	9
114250-53400	13	11
114350-22301	8	20
114399-22300	8	20 -1
118400-03060	4	49 -1
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119131-18320	6	5
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119233-12670	5	13
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119260-59530	13	29
119260-66010	12	61 -1
119266-51900	11	47
		47 -1
119266-59540	13	26 -1
119266-59580	13	38
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119285-01580	3	18
119285-01600	3	2
119285-01730	5	3
119285-01731	5	3 -1
119285-66080	12	53
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119600-01722	3	10
119600-11450	4	22
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119620-53120	13	8
119620-53140	13	10
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119620-59811	13	23
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23871-020000	4	11
23871-030000	10	12
23876-010000	1	8 -1
23876-020000	4	11 -1
23876-030000	10	12 -1
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	10	28
26106-060162	2	6
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26106-080652	10	21
26106-081052	16	22
26116-050102	12	105
26116-060304	12	106
26156-120302	15	35
		35 -1
26156-120352	15	35 -2
		40
26206-100202	3	3
26206-100252	3	4
26216-080552	6	6
26306-080002	4	43 -1
	6	3 -1
	16	24 -1
		24 -2
26366-060002	2	29
26366-080002	4	43
	6	3
	12	1 -1
	16	24
26376-120002	15	38
26450-060202	9	12
26577-060122	10	11
26587-040102	11	41
26587-080102	7	24
26687-120002	12	70 -1
26736-120002	12	101 -1
26756-060002	12	107
26756-080002	15	39
26776-120002	12	101
26856-060002	4	34
		38
26857-060002	12	63 -1

Parts No.	Fig. No.	Ref. No.
26979-050162	4	40
27221-050080	4	12
27231-450000	1	9
27241-120000	1	10
27241-300000	1	11
27241-400000	4	13
27310-070001	4	18
719255-53100	13	1
		1 -2
719620-02800	1	12
719620-02870	1	22
719620-02930	1	15
719620-11521	4	44 -1
719620-11650	4	31
719620-11660	4	35
719620-23100	8	22
719620-23600	8	38
719620-23610	8	35
719620-53100	13	1 -1
719621-51100	11	1
719623-01560	1	1
719623-11700	4	5
719623-92720	17	1 -2
719624-51100	11	1 -1
719660-14590	7	17
719789-92601	17	1
719789-92640	17	1 -1
977770-01212	17	29
X0280210230	15	5
X0283060061	15	19
X0283270140	15	6
X0283711770	15	7
X9490561370	15	30
X9491200240	15	31
X9491730461	15	23

Parts No.	Fig. No.	Ref. No.
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