YANMAR

PARTS CATALOG

0CR10-M45401EN

Last update Aug., 2014

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE88-SA, 3TNE88-G1A & 3TNE88C-G1A engines.

2. Parts catalog history

	Parts catalog No.	Model	Published	Remarks
1st edition	000Y00R4540	3TNE88-SA,G1A	1995/5	Disuse old edition
1st revised	000Y00R4541	3TNE88-SA,G1A 3TNE88C-G1A	2001/7	

3. Model name

Column	Model name	Manufactured	E/#
(A)	3TNE88-SA	1995/4～	02650～
(B)	3TNE88-G1A	1995/4～	02619～
(C)	3TNE88C-G1A	1996/1～	00101～

4. Each illustration corresponds to the parts list on the following page.

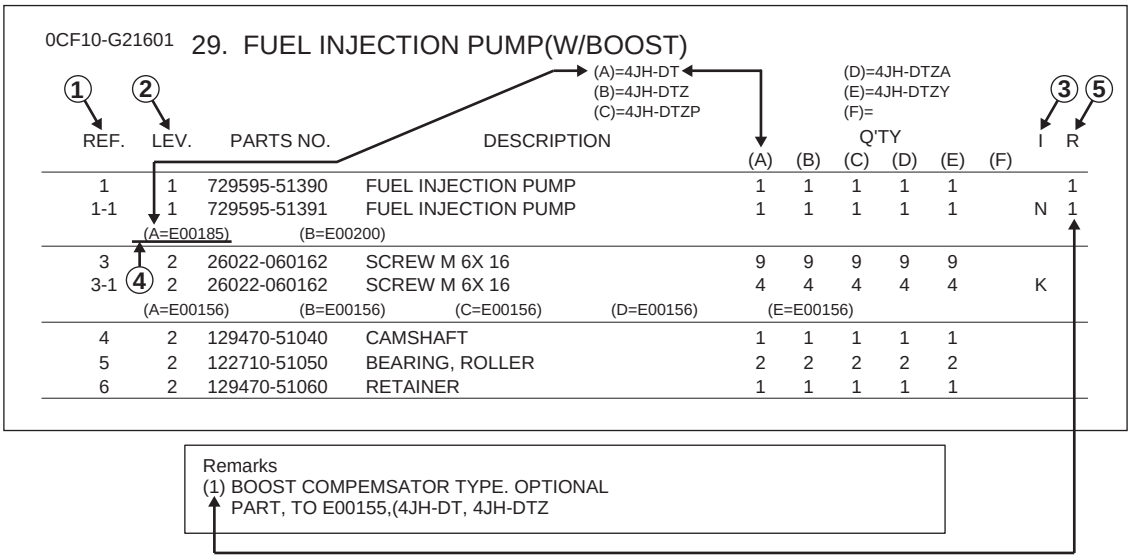
5. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

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.



①Ref. 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.

②Lev. (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.

③Interchangeability Symbol

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

Symbol	Interchangeability	Contents note
N	Old ← Yes / No → New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old ← No / Yes → New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old ← Yes / Yes → New	New/ Old Parts are both interchangeable.
S	Old ← No / No → New	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.

④Effective 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.

⑤Remarks

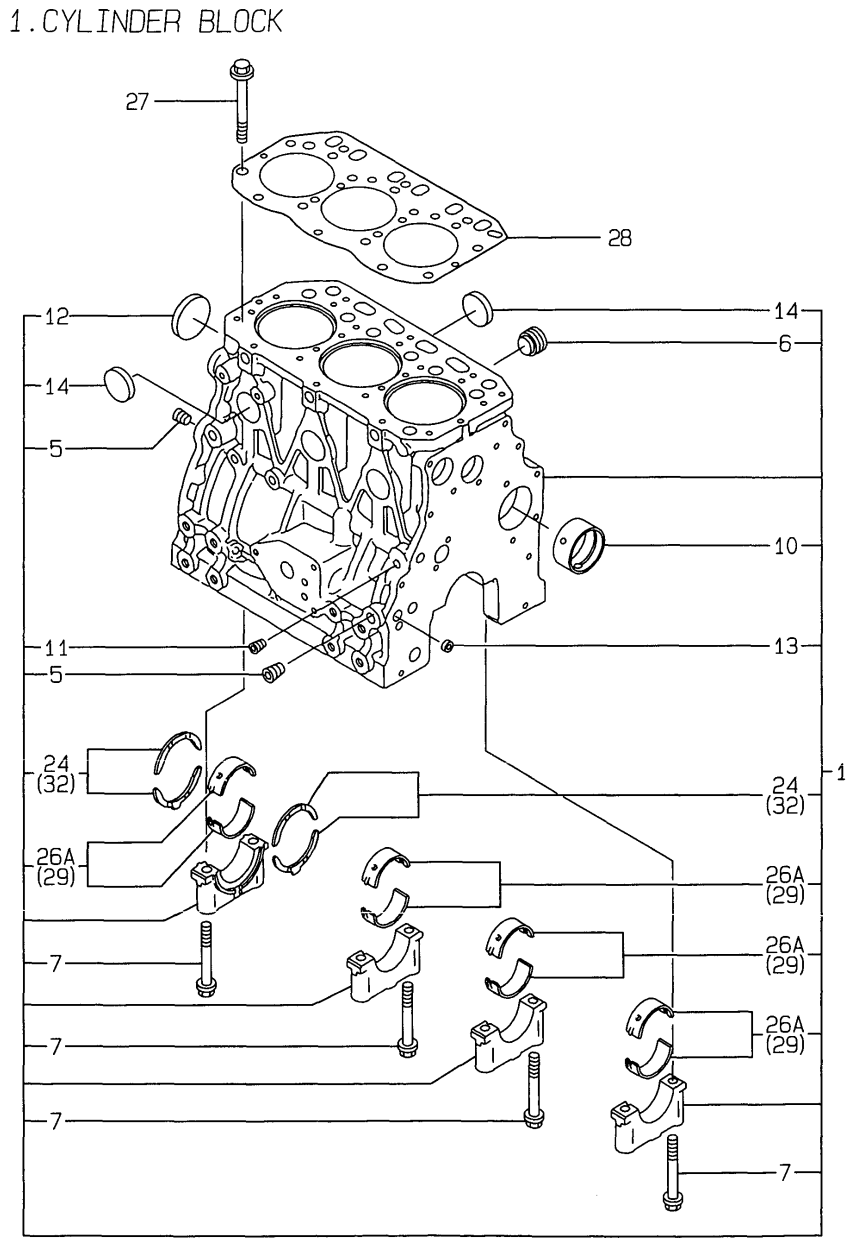
Figures or alphabets (symbols) are entered in the remarks column.

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
3TNE88(C)-SA,G1A	
1.	CYLINDER BLOCK
2.	GEAR HOUSING
3.	FLYWHEEL HOUSING & OIL SUMP
4.	CYLINDER HEAD & BONNET
5.	SUCTION MANIFOLD & AIR CLEANER
6.	EXHAUST MANIFOLD & SILENCER
7.	CAMSHAFT & DRIVING GEAR
8.	CRANKSHAFT & PISTON
9.	LUB.OIL SYSTEM
10.	COOLING WATER SYSTEM
11.	RADIATOR
12.	FUEL INJECTION PUMP
13.	GOVERNOR
14.	FUEL INJECTION VALVE
15.	FUEL FILTER
16.	ENGINE CONTROL DEVICE
17.	STARTING MOTOR(STANDARD)
18.	STARTING MOTOR(COLD DISTRICT)
19.	GENERATOR
20.	PANEL
21.	GASKET SET
22.	STARTING MOTOR

Fig.1. CYLINDER BLOCK



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

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729001-01560	BLOCK ASSY, CYLINDER	1	1	1					
5	2	124160-01910	PLUG, PT1/4	3	3	3					
6	2	171051-01921	PLUG, NPTF1	1	1	1					
7	2	129150-02020	BOLT, METAL CAP	8	8	8					
10	2	129795-02411	BUSH, CAMSHAFT	1	1	1					
11	2	23871-010000	PLUG, R01	1	1	1					
11-1	2	23876-010000	PLUG, R01	1	1	1				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
12	2	27231-500000	PLUG 50	1	1	1					
12-1	2	129001-01250	PLUG, 50	1	1	1				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
13	2	27241-120000	PLUG, 12	2	2	2					
14	2	27241-300000	PLUG 30	6	6	6					
24	2	129150-02930	BEARING, THRUST	2	2	2					
26A	2	129001-02930	BEARING, MAIN	4	4	4				W	3
	(A=EXXX)	(B=EXXX)									
27	1	129150-01200	BOLT, HEAD	14	14	14					
28	1	129001-01340	GASKET, HEAD	1	1	1					
29	1	129150-02870	BEARING, 0.25 US	4	4	4					1
32	1	129150-02940	BEARING, THRUST 0.25	1	1	1					2

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

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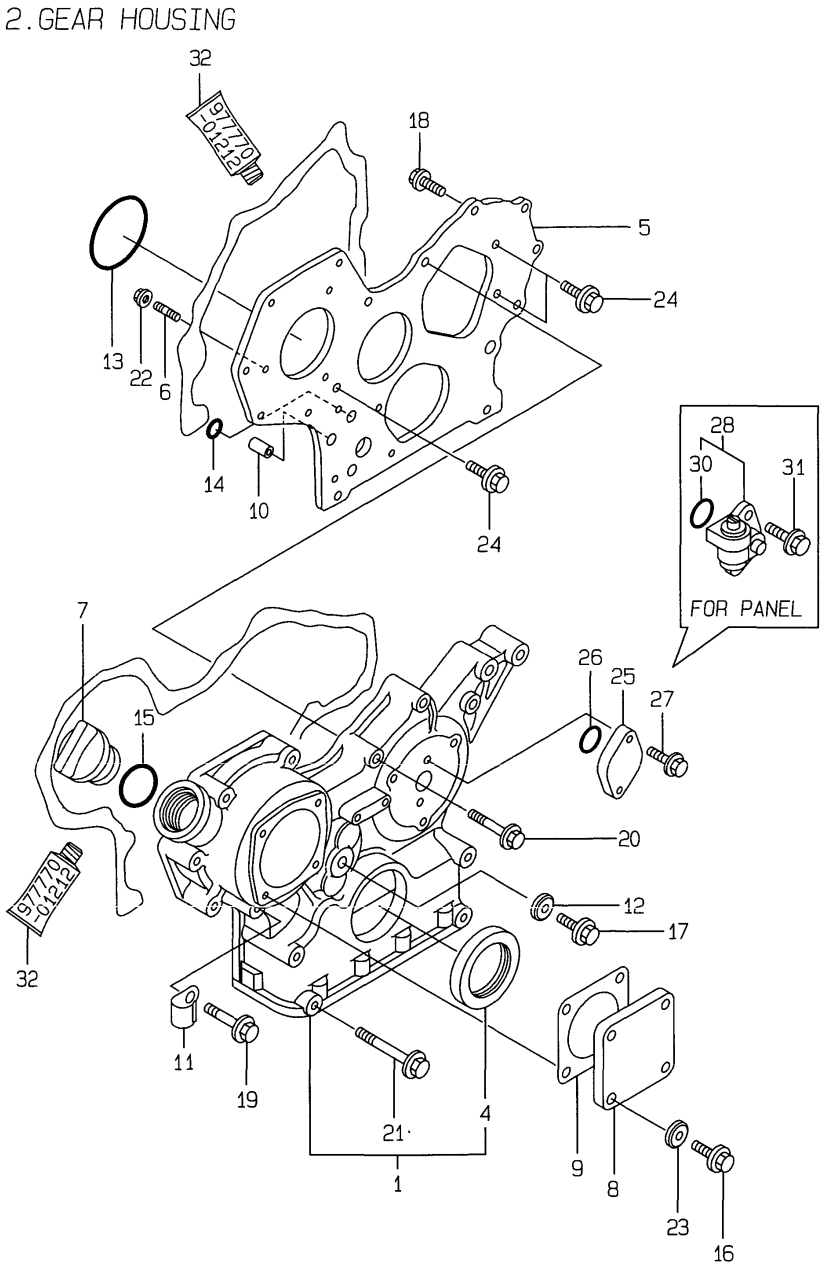
Fig.2. GEAR HOUSING



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	719810-01500	CASE ASSY, GEAR	1	1	1					
4	2	129795-01800	SEAL, OIL	1	1	1					
5	1	129400-01520	FLANGE, GEAR CASE	1	1	1					
6	1	121450-01560	STUD, M8X22	3	3	3					
7	1	124160-01751	COVER, FILLER	1	1	1					
8	1	124240-01871	COVER	1	1	1					
9	1	124240-01883	GASKET	1	1	1					
10	1	129795-01950	PIPE, KNOCK L=18	2	2	2					
11	1	129150-03100	RETAINER, PIPE	1	1	1					
12	1	22190-080002	WASHER, SEAL 6	1	1	1					
13	1	121850-51960	O-RING	1	1	1					
14	1	24311-000160	O-RING, 1AP16.0	2	2	2					
15	1	24311-000320	O-RING, 1AP32.0	1	1	1					
16	1	26106-080122	BOLT, M8X 12 PLATED	4	4	4					
17	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1					
18	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2					
19	1	26106-080452	BOLT, M8X 45 PLATED	6	6	6					
20	1	26106-080552	BOLT, M8X 55 PLATED	3	3	3					
21	1	26106-080852	BOLT, M8X 85 PLATED	4	4	4					
21-1	1	129001-91840	BOLT, M8X85	4	4	4					R
	(A=E06948)		(B=E06847) (C=E00178)								
22	1	26366-080002	NUT, M8	3	3	3					
22-1	1	26306-080002	NUT, M8	3	3	3					N
	(A=EXXX)		(B=EXXX) (C=EXXX)								
23	1	22190-080002	WASHER, SEAL 6	4	4	4					
24	1	26106-080162	BOLT, M8X 16 PLATED	3	3	3					
25	1	121023-01550	COVER	1	1	1					
26	1	24341-000240	O-RING, 1AS24.0	1	1	1					
27	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
27-1	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2					N
	(A=EXXX)		(B=EXXX)								
28	1	129150-91400	GEAR	1	1	1					1
30	2	24341-000240	O-RING, 1AS24.0	1	1	1					1
31	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2					1
32	1	977770-01212	GASKET, LIQUID	1	1	1				W	2
	(A=EXXX)		(B=EXXX)								

Remarks
(1) FOR PANEL.
(2) OPTIONAL PART.

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

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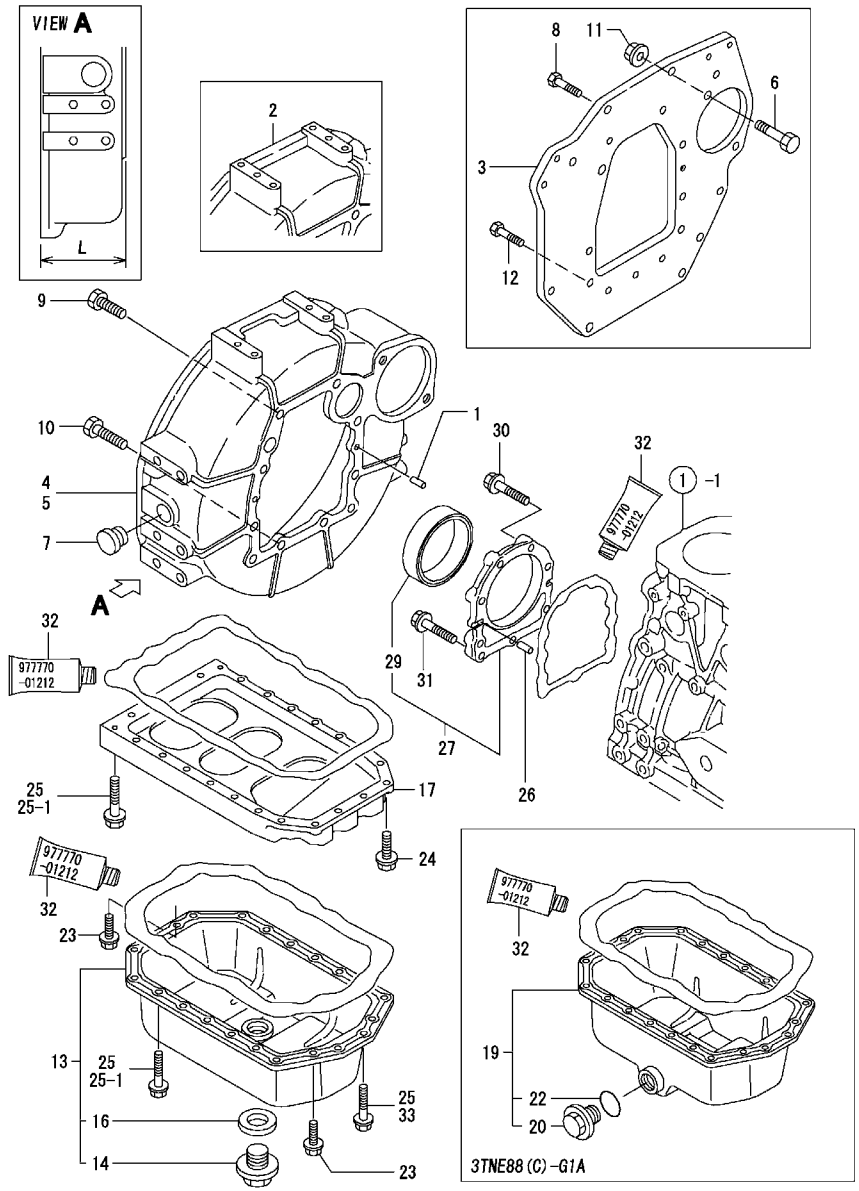
Fig.3. FLYWHEEL HOUSING & OIL SUMP



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129100-01580	PIN, M8X16	2	2	2					
2	1	119888-01600	HOUSING, FLYWHEEL	1							
3	1	129129-01600	FLANGE, MOUNTING	1							
4	1	171301-01600	HOUSING, FLYWHEEL	1							1
4-1	1	129612-01600	HOUSING, FLYWHEEL	1						N	1
	(A=E05144)										
5	1	171420-01600	HOUSING, FLYWHEEL	1	1	1					2
6	1	121476-01620	BOLT	2							
7	1	119620-01750	CAP	1	1	1					
8	1	26206-100202	BOLT, M10X 20 PLATED	6							
9	1	26206-100252	BOLT, M10X 25 PLATED	6	6	6					
10	1	26206-100302	BOLT, M10X 30 PLATED	4	4	4					
11	1	26367-120002	NUT, M12	2							
12	1	26206-100252	BOLT, M10X 25 PLATED	4							
13	1	729102-01540	SUMP ASSY, OIL	1							
14	2	119640-01640	PLUG, DRAIN M22	1							
16	2	22190-220002	WASHER, SEAL 22	1							
17	1	129100-01730	SPACER, OIL SUMP	1	1	1					
19	1	129100-01760	SUMP ASSY, OIL		1	1					
20	2	171301-01640	PLUG, 22		1	1					
22	2	24341-000250	O-RING, 1AS25.0		1	1					
23	1	26106-080162	BOLT, M8X 16 PLATED	4	4	4					
24	1	26106-080252	BOLT, M8X 25 PLATED	2	2	2					
25	1	26106-080452	BOLT, M8X 45 PLATED	20	20	20					
25-1	1	26106-080452	BOLT, M8X 45 PLATED	16	16	16				K	
	(A=FROM 1ST)		(B=FROM 1ST) (C=FROM 1ST)								
26	1	129100-01580	PIN, M8X16	2	2	2					
27	1	129100-01640	CASE ASSY, OIL SEAL	1	1	1					
29	2	129795-01780	SEAL, OIL	1	1	1					
30	1	26106-080302	BOLT, M8X 30 PLATED	6	6	6					
30-1	1	129486-01670	BOLT, M8X30	6	6	6				R	
	(A=E05144)		(B=E05425) (C=E00119)								
31	1	26106-080352	BOLT, M8X 35 PLATED	3	3	3					
32	1	977770-01212	GASKET, LIQUID	1	1	1				W	3
	(A=EXXX)		(B=EXXX)								
33	1	26106-080502	BOLT, M8X 50 PLATED	4	4	4				W	
	(A=FROM 1ST)		(B=FROM 1ST) (C=FROM 1ST)								

Remarks
(1) L= 80M/M.
(2) L= 105M/M.
(3) OPTIONAL PART.

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

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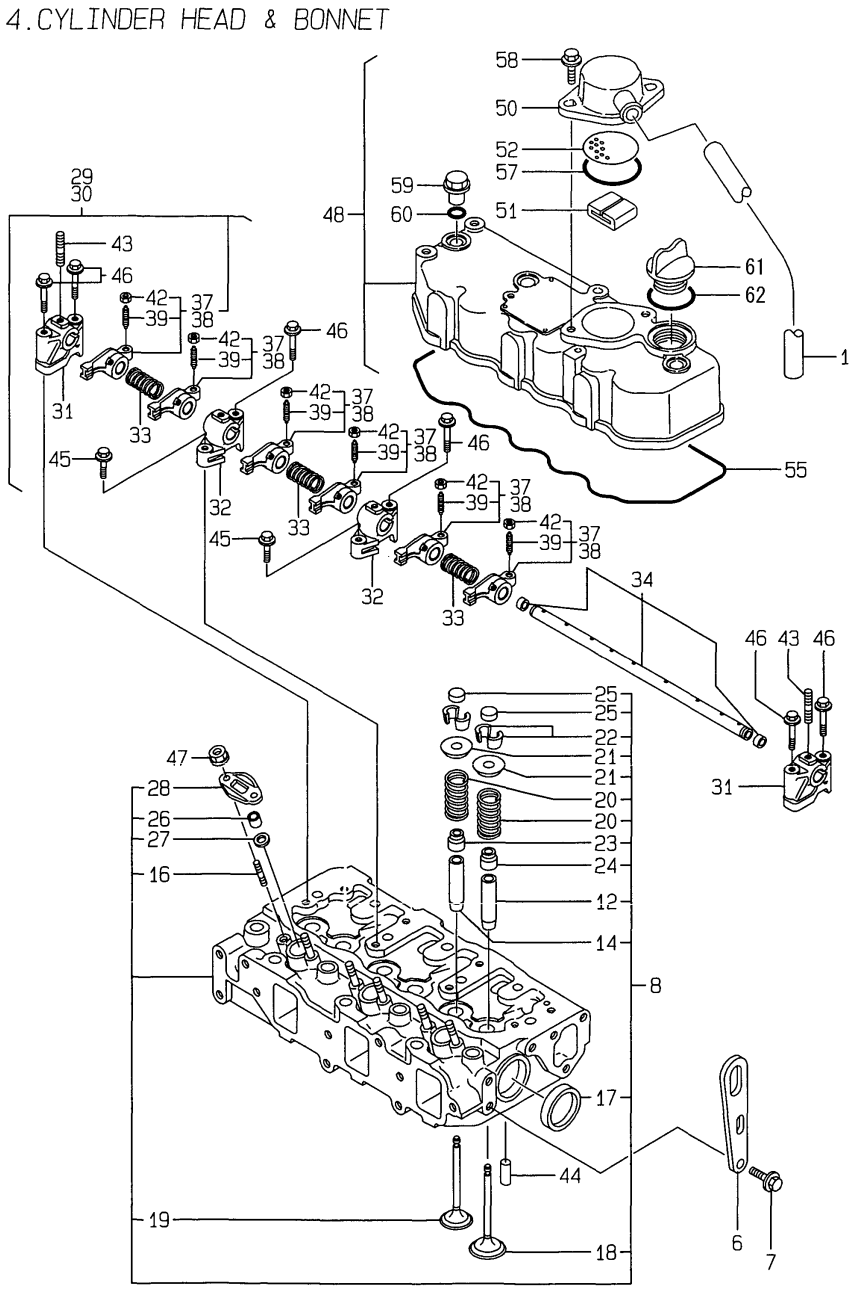
Fig.4. CYLINDER HEAD & BONNET



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	171350-03090	PIPE , BREATHER 900	1	1	1					
6	1	124736-07900	LIFTER	2	2	2					
7	1	26106-080142	BOLT, M8X 14 PLATED	4	4	4					
8	1	129001-11700	HEAD ASSY, CYLINDER	1	1	1					
12	2	120130-11860	GUIDE, VALVE	3	3	3					1
14	2	129150-11810	GUIDE, VALVE	3	3	3					1
16	2	26216-060202	STUD, M6X 20	6	6	6					
17	2	27241-400000	PLUG, 40	2	2	2					
18	2	129100-11100	VALVE, INTAKE	3	3	3					
19	2	129100-11110	VALVE, EXHAUST	3	3	3					
20	2	129795-11120	SPRING, VALVE	6	6	6					
21	2	129795-11180	RETAINER, SPRING	6	6	6					
22	2	27310-080000	COTTER 8	6	6	6					
23	2	121400-11340	SEAL, VALVE STEM	3	3	3					
24	2	124460-11340	SEAL, VALVE STEM	3	3	3					
25	2	129150-11370	CAP, VALVE	6	6	6					
26	2	119625-11871	PROTECTOR, NOZZLE	3	3	3					
26-1	2	119625-11870	PROTECTOR, NOZZLE	3	3	3				N	
	(A=EXXX)		(B=EXXX) (C=EXXX)								
27	2	119625-11880	SEAT, NOZZLE	3	3	3					
28	2	119625-11900	RETAINER, NOZZLE	3	3	3					
29	1	129155-11241	SHAFT ASSY, ROCKER	1							
30	1	129100-11240	SHAFT ASSY, ROCKER		1	1					
31	2	129155-11260	SUPPORT, ROCKER ARM	2	2	2					
32	2	129155-11270	SUPPORT, ROCKER ARM	2	2	2					
33	2	129150-11280	SPRING	3	3	3					
34	2	129150-11290	SHAFT, ROCKER ARM	1	1	1					
37	2	729402-11650	ARM ASSY, ROCKER	6							
38	2	129100-11650	ARM, ROCKER		6	6					
39	3	129150-11230	SCREW, VALVE ADJUST	6	6	6					
42	3	129150-11750	NUT, M8	6	6	6					
43	2	26226-080182	STUD, M8X 18	3	3	3					
44	1	22351-060012	PIN, SPRING 6.0X12	2	2	2					
45	1	26106-080252	BOLT, M8X 25 PLATED	2	2	2					
46	1	26106-080502	BOLT, M8X 50 PLATED	6	6	6					
47	1	26366-060002	NUT, M6	6	6	6					
48	1	129100-11350	BONNET ASSY, HEAD	1	1	1					
50	2	129150-03020	COVER, BREATHER	1	1	1					
51	2	129150-03070	BAFFLE, BREATHER	1	1	1					
52	2	129150-03080	PLATE, BAFFLE	1	1	1					
55	2	129150-11310	GASKET, BONNET	1	1	1					
57	2	24341-000500	O-RING, 1AS50.0	1	1	1					
58	2	26106-080162	BOLT, M8X 16 PLATED	2	2	2					
59	1	124160-11360	KNOB	3	3	3					
60	1	24311-000120	O-RING, 1AP12.0	3	3	3					
61	1	124160-01751	COVER, FILLER	1	1	1					
62	1	24311-000320	O-RING, 1AP32.0	1	1	1					

Remarks
(1) REPAIR PART.

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

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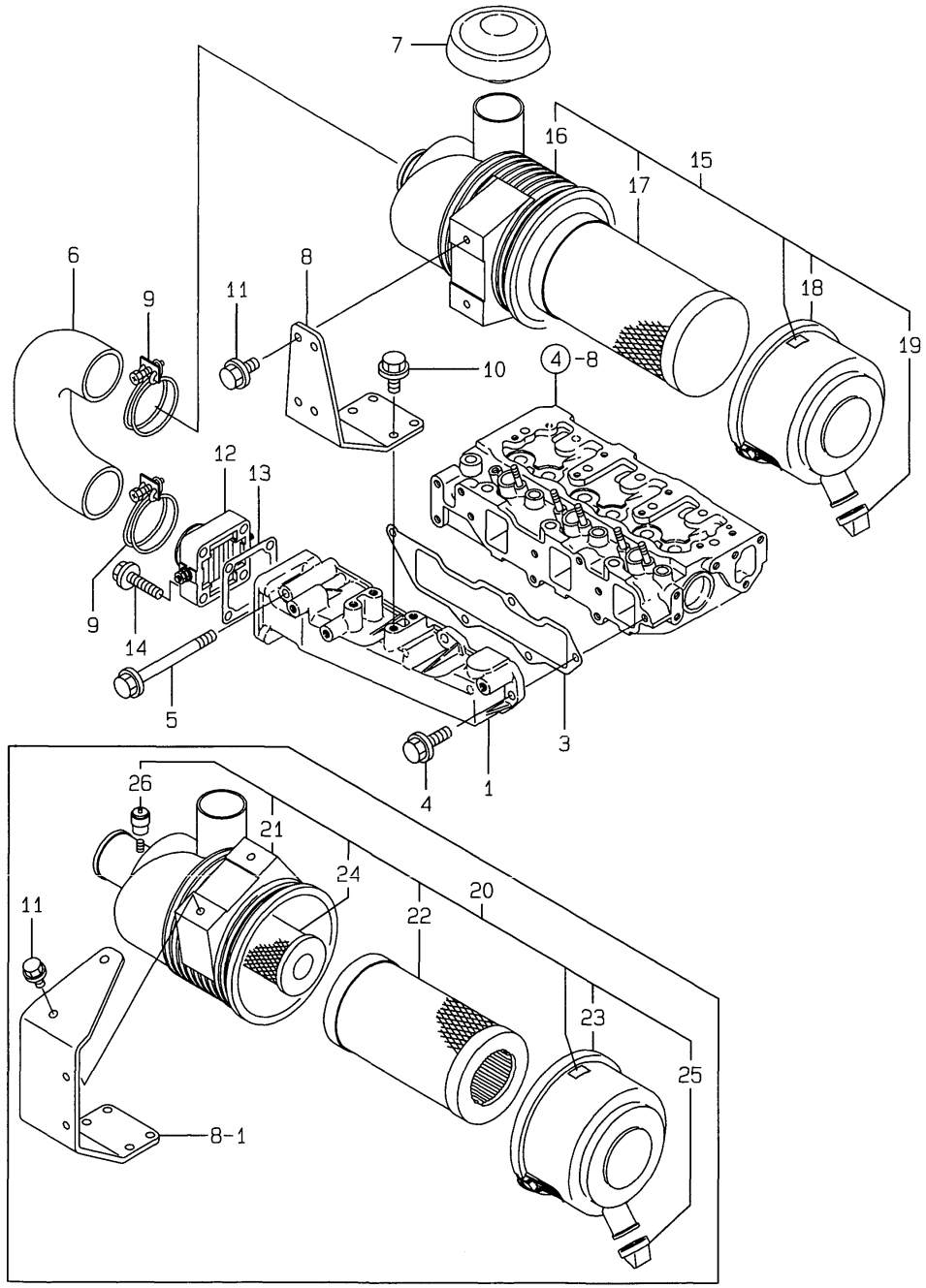
Fig.5. SUCTION MANIFOLD & AIR CLEANER



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-12100	MANIFOLD, AIR INTAKE	1	1	1					
3	1	129001-12110	GASKET, MANIFOLD	1	1	1					
4	1	26106-080202	BOLT, M8X 20 PLATED	4	4	4					
5	1	26106-080802	BOLT, M8X 80 PLATED	1	1	1					
6	1	129619-12210	PIPE, AIR INTAKE	1	1	1					
7	1	121521-12400	CAP, RAIN	1	1	1					
8	1	129619-12560	BRACKET, AIR CLEANER	1	1						
8-1	1	129608-12560	BRACKET, AIR CLEANER	1	1	1					R
	(A=E03814)	(B=E03598)									
9	1	23000-060000	CLAMP, 60	2	2	2					
10	1	26106-080182	BOLT, M8X 18 PLATED	4	4	4					
10-1	1	26013-080222	BOLT, M8X 22	4	4	4					N
	(A=E05767)	(B=E05771)	(C=E00135)								
11	1	26106-080182	BOLT, M8X 18 PLATED	2	2	2					
11-1	1	26013-080222	BOLT, M8X 22	2	2	2					N
	(A=E05767)	(B=E05771)	(C=E00135)								
12	1	129120-77501	HEATER	1	1	1					
13	1	129150-77511	GASKET	1	1	1					
14	1	26106-080352	BOLT, M8X 35 PLATED	4	4	4					
15	1	129608-12500	CLEANER ASSY, AIR	1	1						
15-1	1	129608-12501	CLEANER ASSY, AIR	1	1	1					R
	(A=E03814)	(B=E03598)									
16	2	129608-12510	BODY ASSY	1	1						
16-1	2	129608-12511	BODY, AIR CLEANER	1	1	1					R
	(A=E03814)	(B=E03598)									
17	2	119808-12520	ELEMENT	1	1	1					
18	2	119808-12530	COVER	1	1	1					
19	2	119808-12540	VALVE, UNLOADER	1	1	1					
20	1	119822-12500	CLEANER ASSY, AIR	1	1	1					W
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
21	2	119822-12510	BODY, AIR CLEANER	1	1	1					W
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
22	2	119808-12520	ELEMENT	1	1	1					W
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
23	2	119808-12530	COVER	1	1	1					W
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
24	2	129051-12530	ELEMENT	1	1	1					W
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
25	2	119808-12540	VALVE, UNLOADER	1	1	1					W
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
26	2	126650-12680	INDICATOR	1	1	1					W
	(A=EXXX)	(B=EXXX)	(C=EXXX)								

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

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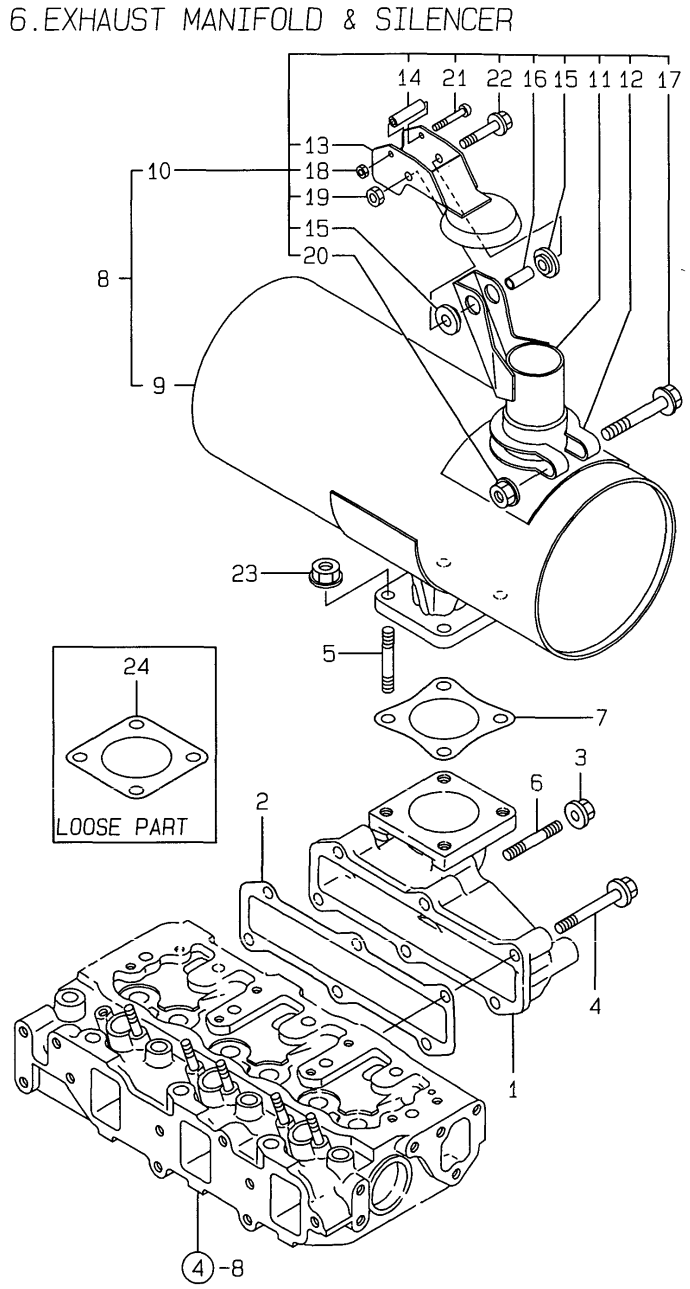
Fig.6. EXHAUST MANIFOLD & SILENCER



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-13100	MANIFOLD, EXHAUST	1	1	1					
2	1	129001-13110	GASKET	1	1	1					
3	1	194990-22050	NUT, M8	2	2	2					
3-1	1	26306-080002	NUT, M8	2	2	2				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
4	1	26106-080402	BOLT, M8X 40 PLATED	4	4	4					
5	1	26216-080222	STUD, M8X 22	4	4	4					
5-1	1	119131-18320	STUD, M8X22	4	4	4				N	
	(A=E06780)	(B=E06773)	(C=E00168)								
6	1	26216-080402	STUD, M8X 40	2	2	2					
7	1	121000-13201	GASKET, SILENCER	1	1	1					
8	1	119620-13501	SILENCER	1	1	1					
9	2	119620-13510	SILENCER ASSY	1	1	1					
10	2	119620-13520	PIPE ASSY, TAIL	1	1	1					
11	3	119620-13560	PIPE, TAIL	1	1	1					
12	3	124664-13580	CLAMP	1	1	1					
13	3	119358-13640	CAP, RAIN	1	1	1					
14	3	121855-13821	SPACER, A	1	1	1					
15	3	121855-13830	SPACER, B	2	2	2					
16	3	123500-13840	SPACER, C	1	1	1					
17	3	26106-080552	BOLT, M8X 55 PLATED	1	1	1					
18	3	26347-040002	NUT, M4	1	1	1					
19	3	26347-060002	NUT, M6	1	1	1					
20	3	26366-080002	NUT, M8	1	1	1					
20-1	3	26306-080002	NUT, M8	1	1	1				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
21	3	26557-040352	SCREW, M4X35	1	1	1					
22	3	26106-060402	BOLT, M6X 40 PLATED	1	1	1					
23	1	194990-22050	NUT, M8	4	4	4					
23-1	1	26306-080002	NUT, M8	4	4	4				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
24	1	124701-11911	GASKET, SILENCER	1	1	1					1

Remarks
(1) LOOSE PART.

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

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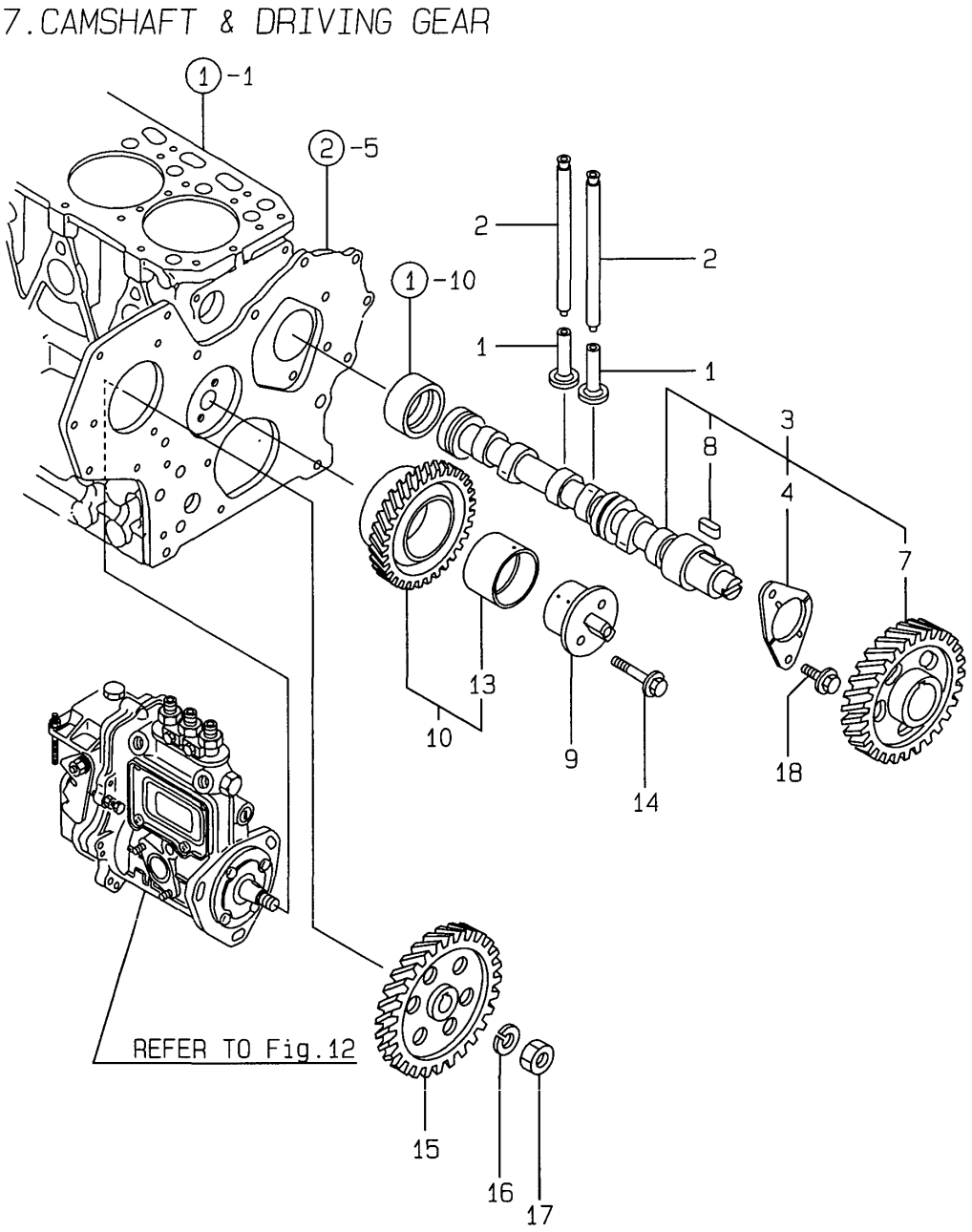
Fig.7. CAMSHAFT & DRIVING GEAR

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=



No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129150-14200	TAPPET	6	6	6					
2	1	129150-14400	ROD, PUSH L=178	6	6	6					
3	1	129129-14580	CAMSHAFT ASSY	1	1	1					
4	2	129150-02450	BEARING, THRUST	1	1	1					
7	2	129150-14101	GEAR, CAMSHAFT	1	1	1					
8	2	22512-070140	KEY, 7X 14	1	1	1					
9	1	129100-25061	SHAFT, IDLE	1	1	1					
10	1	129150-25101	GEAR ASSY, IDLE	1	1	1					
13	2	129150-25920	BUSH, IDLE GEAR	1	1	1					1
14	1	26106-080452	BOLT, M8X 45 PLATED	2	2	2					
15	1	129150-25900	GEAR, PUMP	1	1	1					
16	1	22217-120000	WASHER, SPRING 12	1	1	1					
17	1	26716-120002	NUT, M12	1	1	1					
18	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2					
18-1	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2				N	
	(A=E05144)		(B=E05429)			(C=E00113)					

Remarks
(1) REPAIR PART.

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

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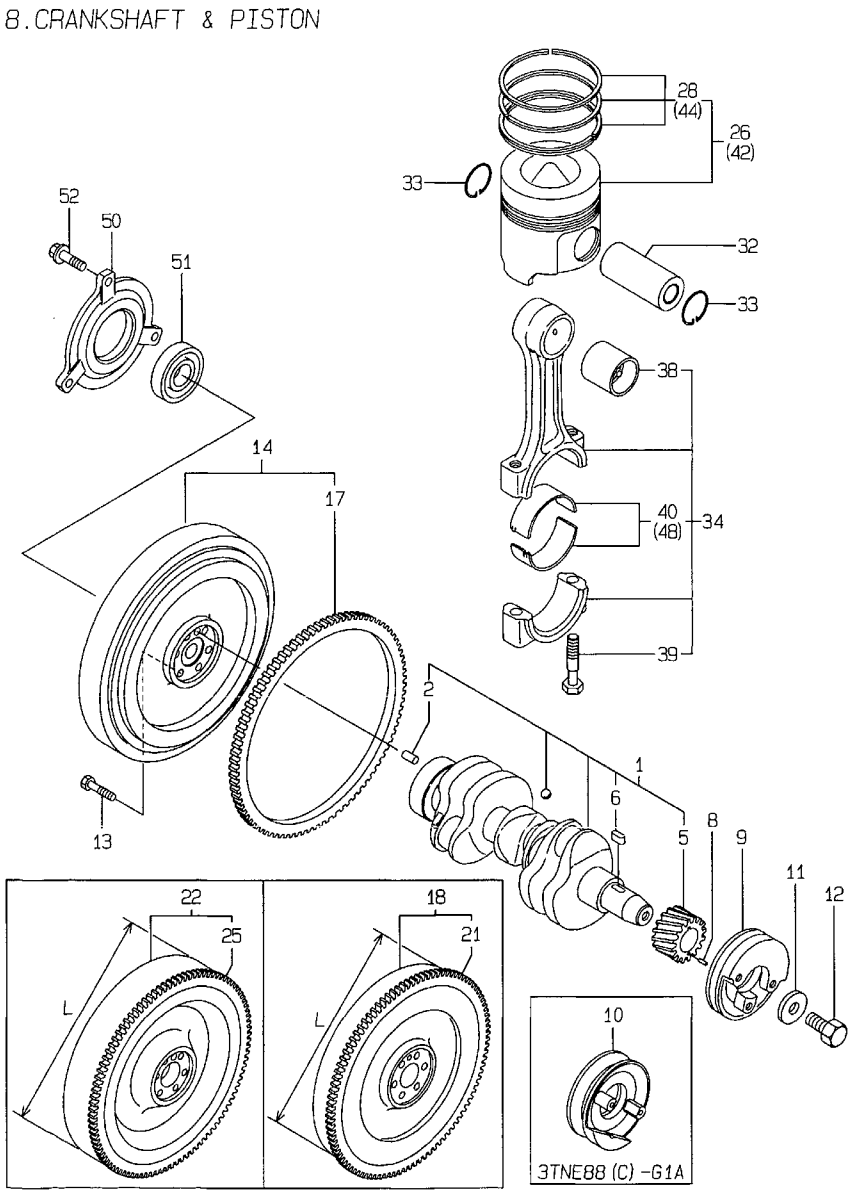
Fig.8. CRANKSHAFT & PISTON



(A)=3TNE88-SA
(B)=3TNE88-G1A
(C)=3TNE88C-G1A
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-21000	CRANKSHAFT ASSY	1	1	1					
2	2	129100-01580	PIN, M8X16	1	1	1					
5	2	129150-21200	GEAR, CRANKSHAFT	1	1	1					
6	2	22512-070140	KEY, 7X 14	1	1	1					
8	1	22351-040010	PIN, SPRING 4.0X10	1	1	1					
9	1	171340-21650	V-PULLEY	1							
10	1	129150-21650	V-PULLEY		1	1					
11	1	129795-21661	WASHER	1	1	1					
12	1	121850-21680	BOLT	1	1	1					
13	1	121111-21501	BOLT, FLYWHEEL	6	6	6					
14	1	129188-21590	FLYWHEEL ASSY	1							
17	2	119865-21600	GEAR, RING	1							
18	1	171340-21590	FLYWHEEL ASSY	1	1	1					1
21	2	124550-21600	GEAR, RING	1	1	1					
22	1	171340-21580	FLYWHEEL ASSY	1							2
25	2	119865-21600	GEAR, RING	1							
26	1	129001-22081	PISTON ASSY	3	3	3					
28	2	129001-22500	RING SET, PISTON	3	3	3					
32	1	129202-22300	PIN, PISTON D26 L70	3	3	3					
33	1	22252-000260	RING, 26	6	6	6					
34	1	729402-23100	ROD ASSY, CONNECTING	3	3	3					
38	2	129100-23910	BEARING, PISTON PIN	3	3	3					3
39	2	121550-23200	BOLT, CONNECTING ROD	6	6	6					
40	2	129150-23600	BEARING, CRANK PIN	3	3	3					
42	1	129001-22900	PISTON ASSY, 0.25 OS	3	3	3					4
44	2	129001-22950	RING SET, 0.25 OS	3	3	3					4
48	1	129150-23610	BEARING, 0.25 US	3	3	3					5
50	1	119888-21450	RETAINER, BEARING	1							
51	1	24104-062054	BEARING, BALL 6205UU	1							
52	1	26106-080222	BOLT, M8X 22 PLATED	3							

Remarks
(1) L= 335M/M.
(2) L= 300M/M.
(3) REPAIR PART.
(4) OVER-SIZE(O.S=0.25)PART.
(5) UNDER-SIZE(U.S=0.25)PART.

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

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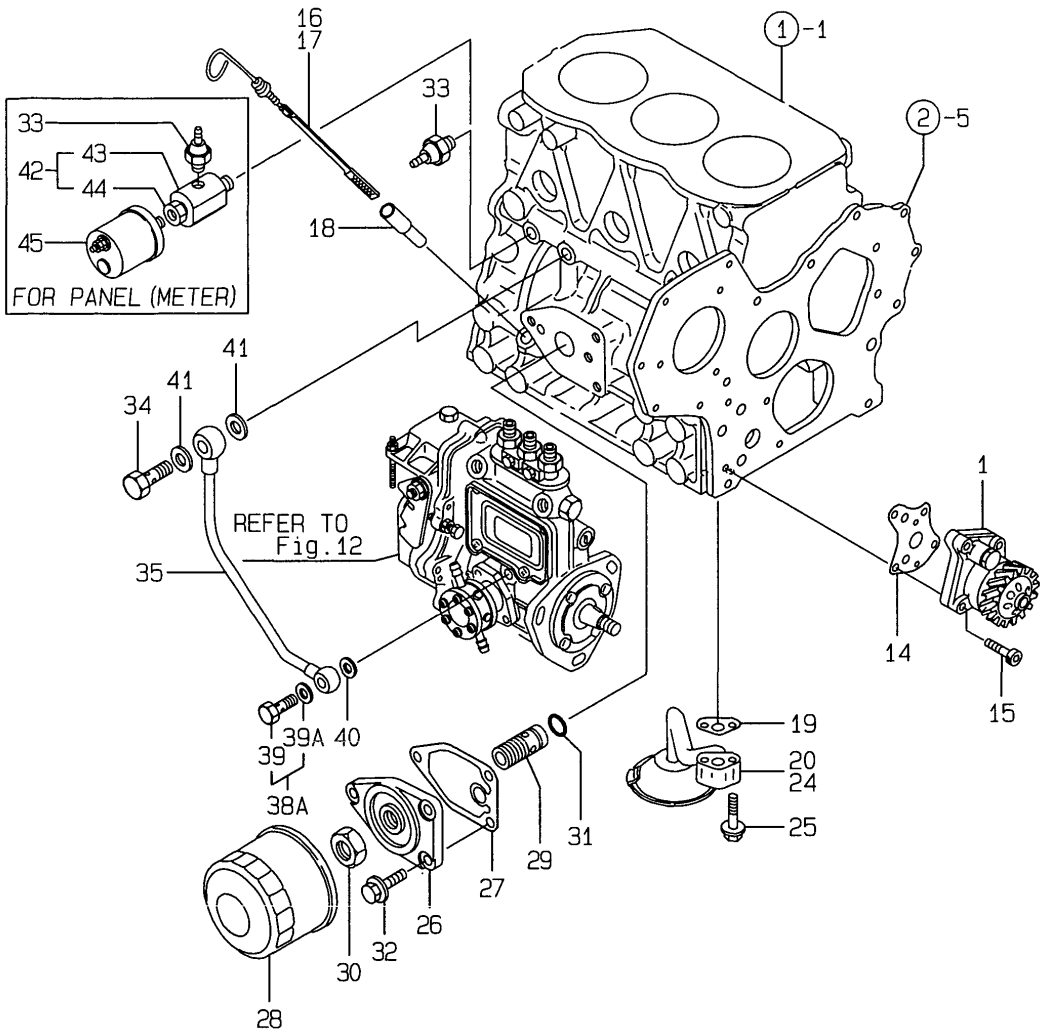
Fig.9. LUB.OIL SYSTEM



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-32001	PUMP ASSY, OIL	1	1	1					
14	1	129150-32020	GASKET, PUMP	1	1	1					
15	1	26450-060252	BOLT, M6X 25	4	4	4					
16	1	171420-34800	DIPSTICK, OIL	1							
17	1	171420-34820	DIPSTICK, OIL		1						
17-1	1	129136-34800	DIPSTICK, OIL		1	1				N	
		(B=E04211)									
18	1	121520-34810	GUIDE, DIPSTICK	1	1	1					
19	1	129150-35041	GASKET	1	1	1					
20	1	129150-35091	PIPE ASSY, OIL INLET	1							
24	1	129100-35301	PIPE ASSY, OIL INLET		1	1					
25	1	26106-080352	BOLT, M8X 35 PLATED	2	2	2					
26	1	129150-35101	BRACKET, STRAINER	1	1	1					
27	1	129150-35111	GASKET	1	1	1					
28	1	129150-35151	FILTER, D80XL80	1	1	1					
29	1	129001-35300	BOLT, FILTER	1	1	1					
30	1	129150-35350	NUT	1	1	1					
31	1	24311-000160	O-RING, 1AP16.0	1	1	1					
32	1	26106-080202	BOLT, M8X 20 PLATED	3	3	3					
33	1	124160-39450	SWITCH, 0.5KG	1	1	1					
34	1	124160-39140	BOLT, PIPE JOINT M10	1	1	1					
35	1	129150-39450	PIPE ASSY, OIL	1	1	1					
38A	1	124550-59830	BOLT ASSY, JOINT M8	1	1	1				W	
	(A=EXXX)		(B=EXXX) (C=EXXX)								
39	2	124550-59820	BOLT, PIPE JOINT M8	1	1	1					
39A	2	22190-080002	WASHER, SEAL 6	1	1	1				W	
	(A=EXXX)		(B=EXXX) (C=EXXX)								
40	1	23414-080000	GASKET, 8X1.0	2	2	2					
40-1	1	22190-080002	WASHER, SEAL 6	1	1	1				N	
	(A=EXXX)		(B=EXXX) (C=EXXX)								
41	1	23414-100000	GASKET, 10X1.0	2	2	2					
42	1	171375-39600	DAMPER ASSY	1	1	1					1
42-1	1	171375-39601	DAMPER, 1/8	1	1	1				R	1
	(A=E05144)		(B=E05425) (C=E00119)								
43	2	129470-39610	DAMPER	1	1	1				Z	1
	(A=E05144)		(B=E05425) (C=E00119)								
44	2	23161-020100	BUSH, R1/4X1/8	1	1	1				Z	1
	(A=E05144)		(B=E05425) (C=E00119)								
45	1	144626-91560	SENSOR	1	1	1					1

Remarks
(1) FOR PANEL(METER).

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

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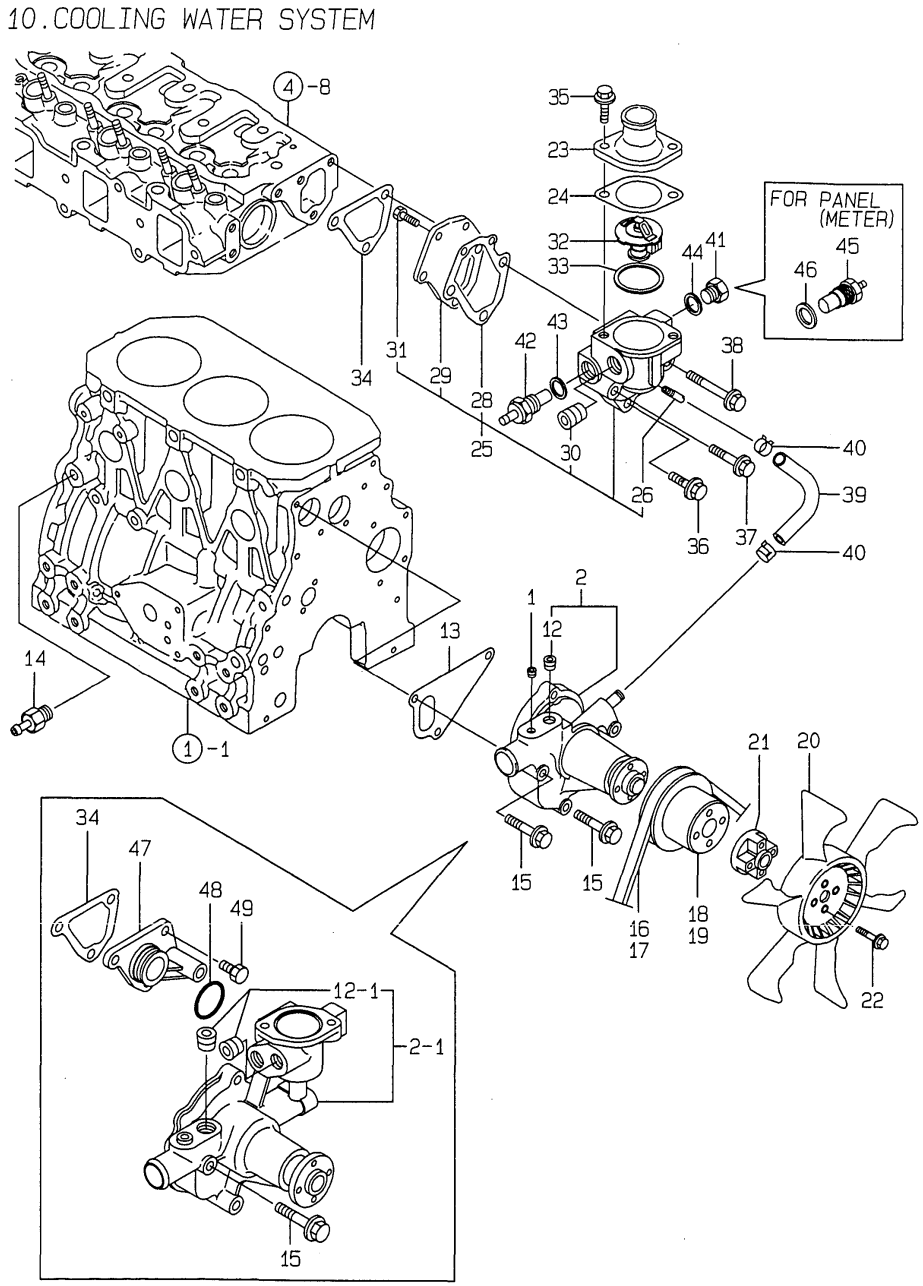
Fig.10. COOLING WATER SYSTEM



(A)=3TNE88-SA
(B)=3TNE88-G1A
(C)=3TNE88C-G1A
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	121850-11860	PLUG, PT1/4	1	1					Z	
2	1	129100-42002	PUMP ASSY, WATER	1	1						
2-1	1	129001-42001	PUMP ASSY, WATER	1	1	1				N	
	(A=E06934)	(B=E06929)									
2-2	1	129001-42002	PUMP ASSY, WATER	1	1	1				N	
	(A=E05256)	(B=E05429)	(C=E00126)								
12	2	23871-030000	PLUG, R03	1	1						
12-1	2	23871-030000	PLUG, R03	2	2	2				K	
	(A=E06934)	(B=E06929)									
12-2	2	23876-030000	PLUG, R03	2	2	2				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
13	1	129100-42020	GASKET, WATER PUMP	1	1	1					
14	1	121550-49111	JOINT, PT1/4	1	1	1					
15	1	26106-080602	BOLT, M8X 60 PLATED	3	3	3					
16	1	25132-003800	V-BELT, A38	1		1					
17	1	25132-003700	V-BELT, A37		1						
17-1	1	25132-003800	V-BELT, A38		1					N	
		(B=EXXX)									
18	1	129403-42380	V-PULLEY, D=110	1							
19	1	129155-42350	V-PULLEY		1	1					
20	1	171340-44740	FAN, COOLING D335XNF	1	1	1					
21	1	171353-44760	SPACER, FAN	1	1	1					
22	1	26106-060352	BOLT, M6X 35 PLATED	4	4	4					
23	1	129350-49530	COVER, THERMOSTAT	1	1						
23-1	1	129350-49560	COVER, THERMOSTAT	1	1	1				N	
	(A=E06934)	(B=E06929)									
24	1	129795-49551	GASKET	1	1	1					
25	1	129100-49800	CASE ASSY,THERMOSTAT	1	1					Z	
	(A=E06934)	(B=E06929)									
26	2	124770-11770	JOINT, PIPE PT1/8	1	1					Z	
	(A=E06934)	(B=E06929)									
28	2	129100-49820	GASKET	1	1					Z	
	(A=E06934)	(B=E06929)									
29	2	129100-49830	COVER, THERMOSTAT	1	1					Z	
	(A=E06934)	(B=E06929)									
30	2	23871-030000	PLUG, R03	1	1					Z	
	(A=E06934)	(B=E06929)									
31	2	26116-060162	BOLT, M6X 16 PLATED	2	2					Z	
	(A=E06934)	(B=E06929)									
32	1	129155-49800	THERMOSTAT, 71	1	1	1					
33	1	129150-49811	GASKET, THERMOSTAT	1	1	1					
34	1	129100-49840	GASKET	1	1	1					
35	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2					
36	1	26106-080252	BOLT, M8X 25 PLATED	1	1					Z	
	(A=E06934)	(B=E06929)									
37	1	26106-080502	BOLT, M8X 50 PLATED	1	1					Z	
	(A=E06934)	(B=E06929)									
38	1	26106-080602	BOLT, M8X 60 PLATED	1	1					Z	
	(A=E06934)	(B=E06929)									
39	1	129132-49050	PIPE, WATER	1	1					Z	
	(A=E06934)	(B=E06929)									

Remarks
(1) FOR PANEL(METER).

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

++ CONTINUE ++

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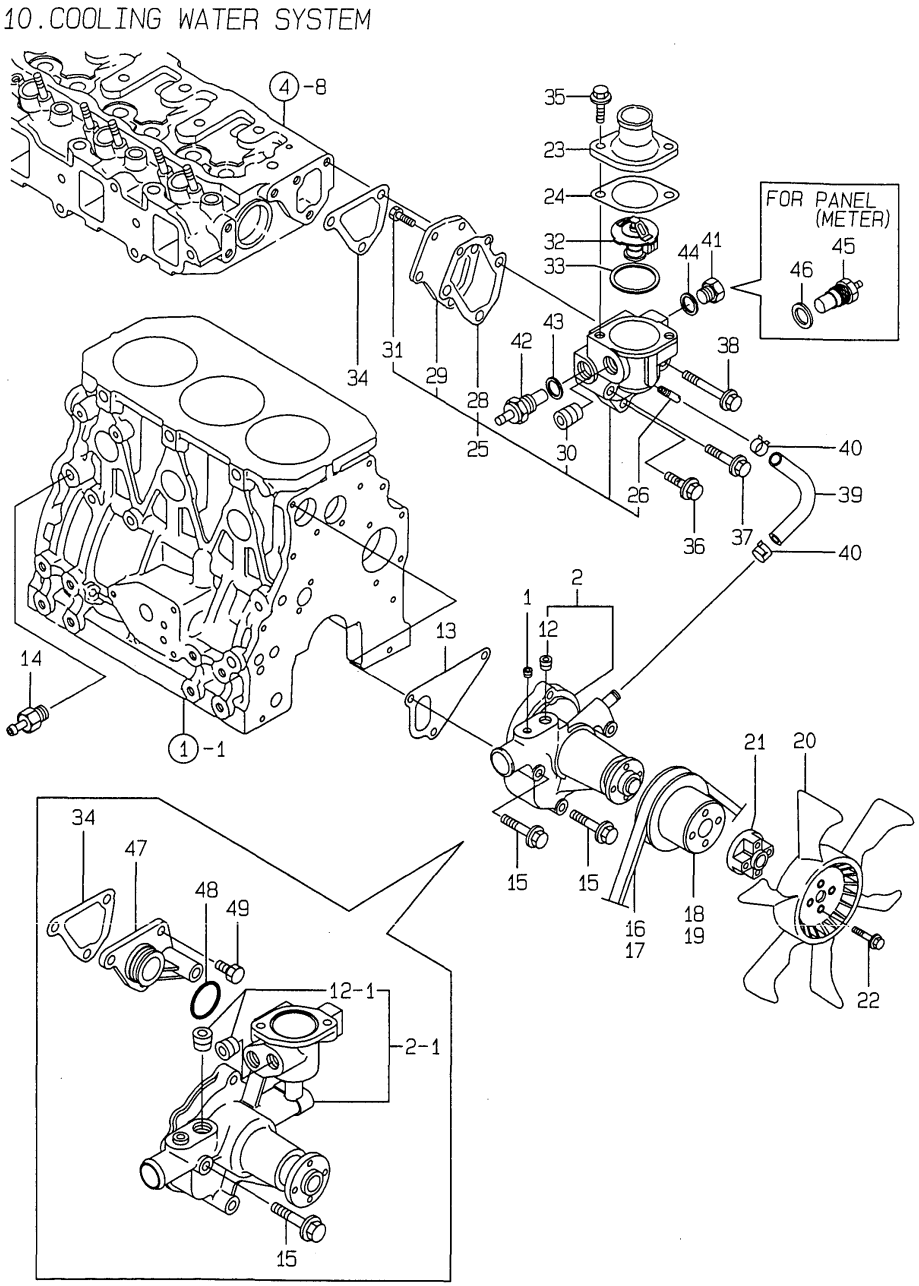
Fig.10. COOLING WATER SYSTEM



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
40	1	23000-016000	CLAMP, 16	2	2					Z	
	(A=E06934)	(B=E06929)									
41	1	121450-42450	PLUG, M16	1	1	1					
42	1	121250-44901	SWITCH, 110	1	1	1					
43	1	124465-44950	GASKET, 16	1	1	1					
44	1	124465-44950	GASKET, 16	1	1	1					
45	1	124250-49351	SENSOR	1	1	1					1
46	1	129150-49360	GASKET	1	1	1					1
47	1	129001-42040	JOINT	1	1	1				W	
	(A=E06934)	(B=E06929)									
48	1	24321-000300	O-RING, 1AG30.0	1	1	1				W	
	(A=E06934)	(B=E06929)									
49	1	26106-080182	BOLT, M8X 18 PLATED	3	3	3				W	
	(A=E06934)	(B=E06929)									
49-1	1	26106-080162	BOLT, M8X 16 PLATED	3	3	3				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								

Remarks
(1) FOR PANEL(METER).

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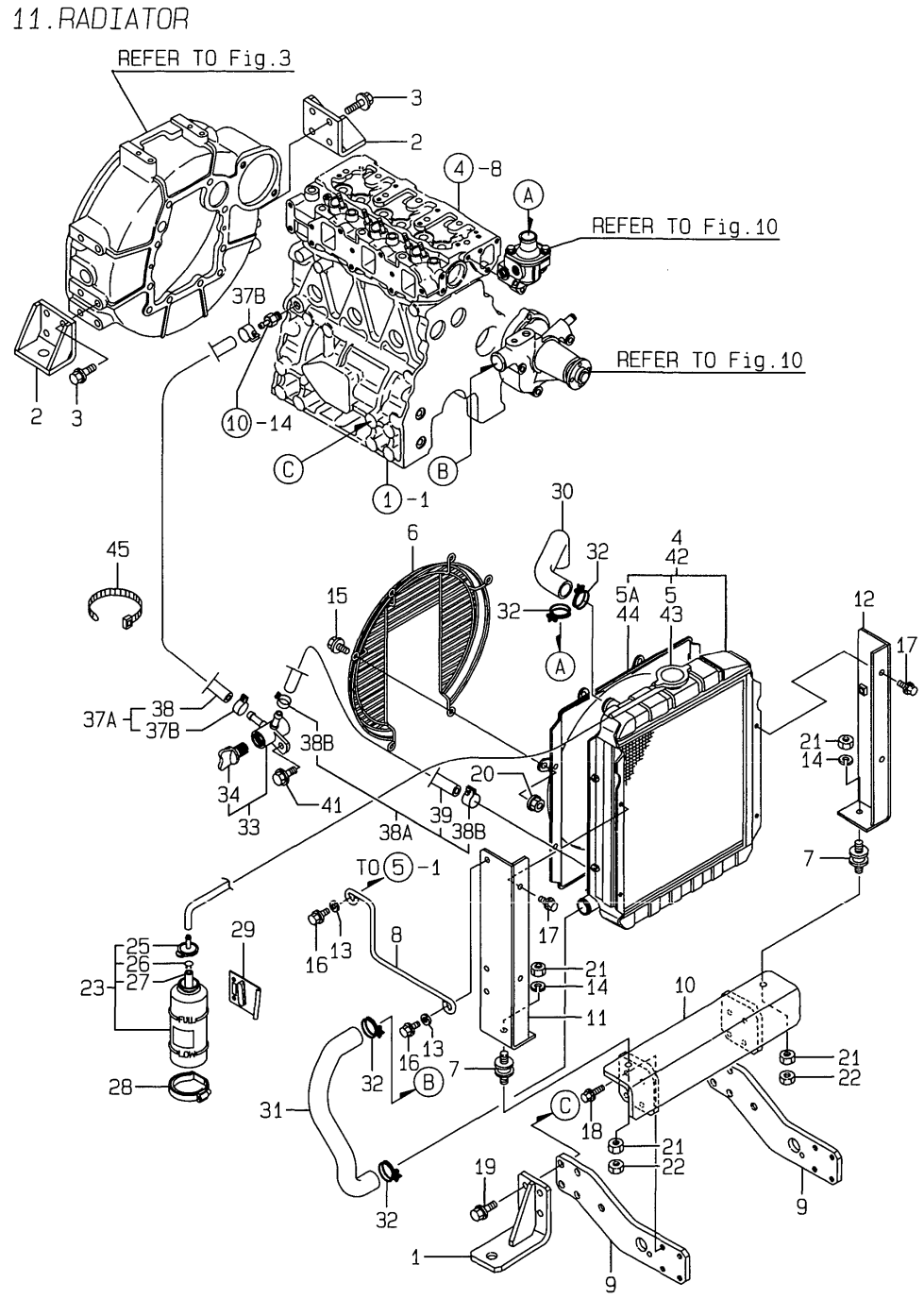
Fig.11. RADIATOR



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129188-08100	FOOT	2	2	2					
2	1	119888-08110	FOOT	2	2	2					
3	1	26106-100202	BOLT, M10X 20 PLATED	8	8	8					
4	1	129120-44500	RADIATOR	1							
5	2	119259-44570	CAP, RADIATOR	1							
5A	2	X2411367340	SHROUD	1						W	
	(A=EXXX)										
6	1	129120-44560	PROTECTOR, FAN	1	1	1					
7	1	121400-44650	ABSORBER	2	2	2					
8	1	129211-44940	RETAINER, RADIATOR	1	1	1					
9	1	129188-44950	BRACKET	2	2	2					
10	1	129188-44960	BRACKET, RADIATOR	1	1	1					
11	1	129188-44970	SUPPORT, A	1	1	1					
12	1	129188-44980	SUPPORT, B	1	1	1					
13	1	22137-080000	WASHER, 8	2	2	2					
14	1	22217-100000	WASHER, SPRING 10	2	2	2					
15	1	26106-080122	BOLT, M8X 12 PLATED	6	6	6					
16	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2					
17	1	26106-080202	BOLT, M8X 20 PLATED	4	4	4					
18	1	26106-080252	BOLT, M8X 25 PLATED	8	8	8					
19	1	26106-100302	BOLT, M10X 30 PLATED	8	8	8					
20	1	26366-080002	NUT, M8	6	6	6					
20-1	1	26306-080002	NUT, M8	6	6	6				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
21	1	26716-100002	NUT, M10	4	4	4					
22	1	26756-100002	NUT, LOCK M10	2	2	2					
23	1	124450-44510	TANK ASSY, SUB	1	1	1					
25	2	124450-44530	CAP	1	1	1					
26	2	124450-44560	RETAINER	1	1	1					
27	2	23061-070230	PIPE, 7X 230	1	1	1					
28	1	124450-44550	BAND	1	1	1					
29	1	121256-44600	BRACKET, SUB TANK	1	1	1					
30	1	171301-49010	PIPE, WATER	1	1	1					
31	1	171301-49020	PIPE, WATER	1	1						
31-1	1	129211-49020	PIPE, WATER	1	1	1				N	
	(A=E06934)	(B=E06929)									
32	1	23010-038000	CLAMP, 38	4	4	4					
33	1	129150-49100	COCK ASSY, 3-WAY	1	1	1					
34	2	129150-49080	COCK, DRAIN	1	1	1					
37A	1	129210-49280	PIPE ASSY, DRAIN	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
37B	2	124766-59050	CLIP, HOSE 12	2	2	2				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
38	2	121737-49160	PIPE, WATER DRAIN	1	1	1					
38-1	2	121737-49150	PIPE, WATER DRAIN	1	1	1				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
38A	1	129210-49120	PIPE ASSY, DRAIN	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
38B	2	124766-59050	CLIP, HOSE 12	2	2	2				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
39	2	121520-49160	PIPE, WATER DRAIN	1	1	1					

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

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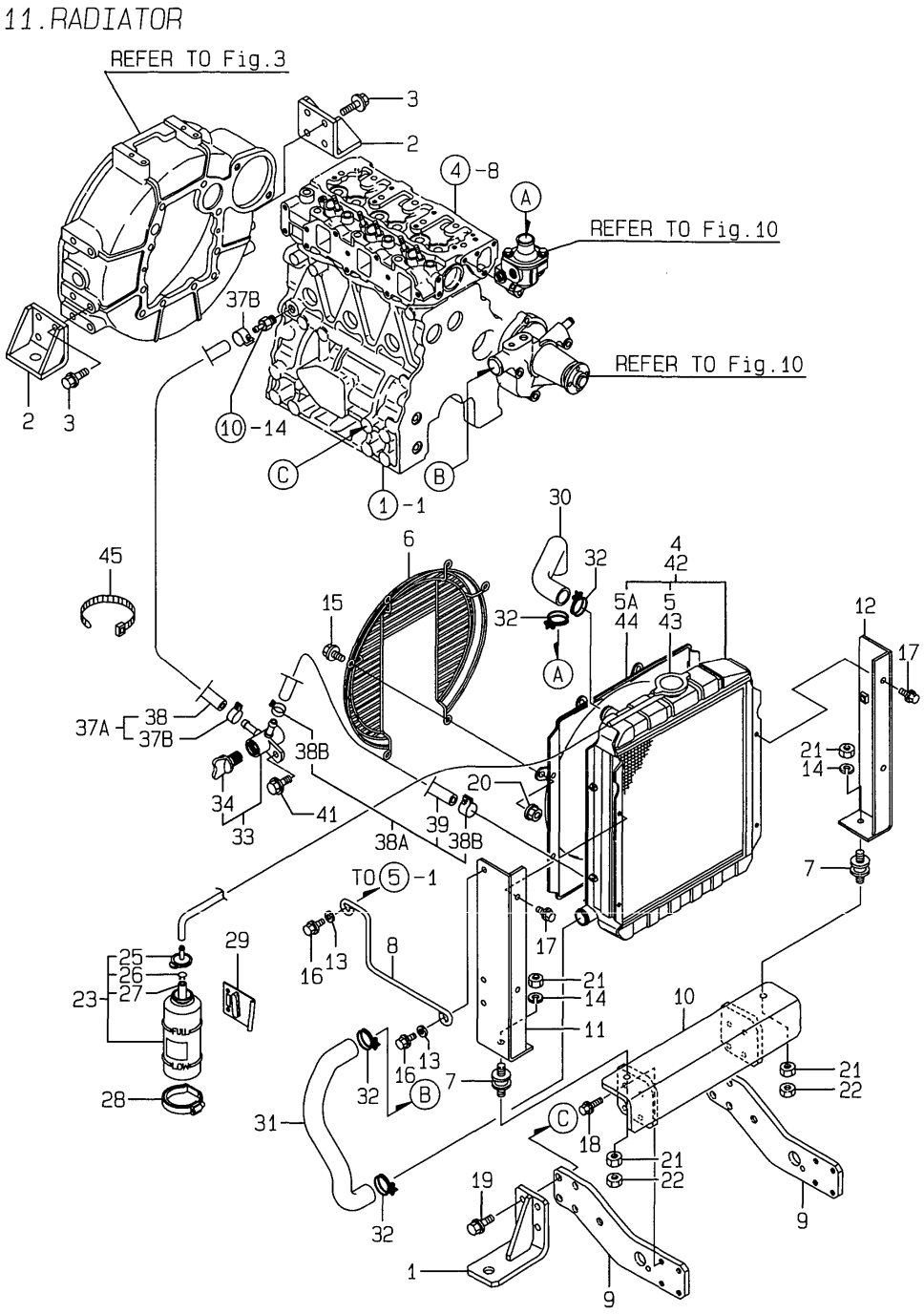
Fig.11. RADIATOR



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
39-1	2	121025-49150	PIPE, DRAIN L=170	1	1	1				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
41	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1					
42	1	129420-44510	RADIATOR		1	1					
43	2	119259-44570	CAP, RADIATOR		1	1					
44	2	X2411367340	SHROUD		1	1				W	
		(B=EXXX)									
45	1	121750-59890	BAND, 140	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								

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

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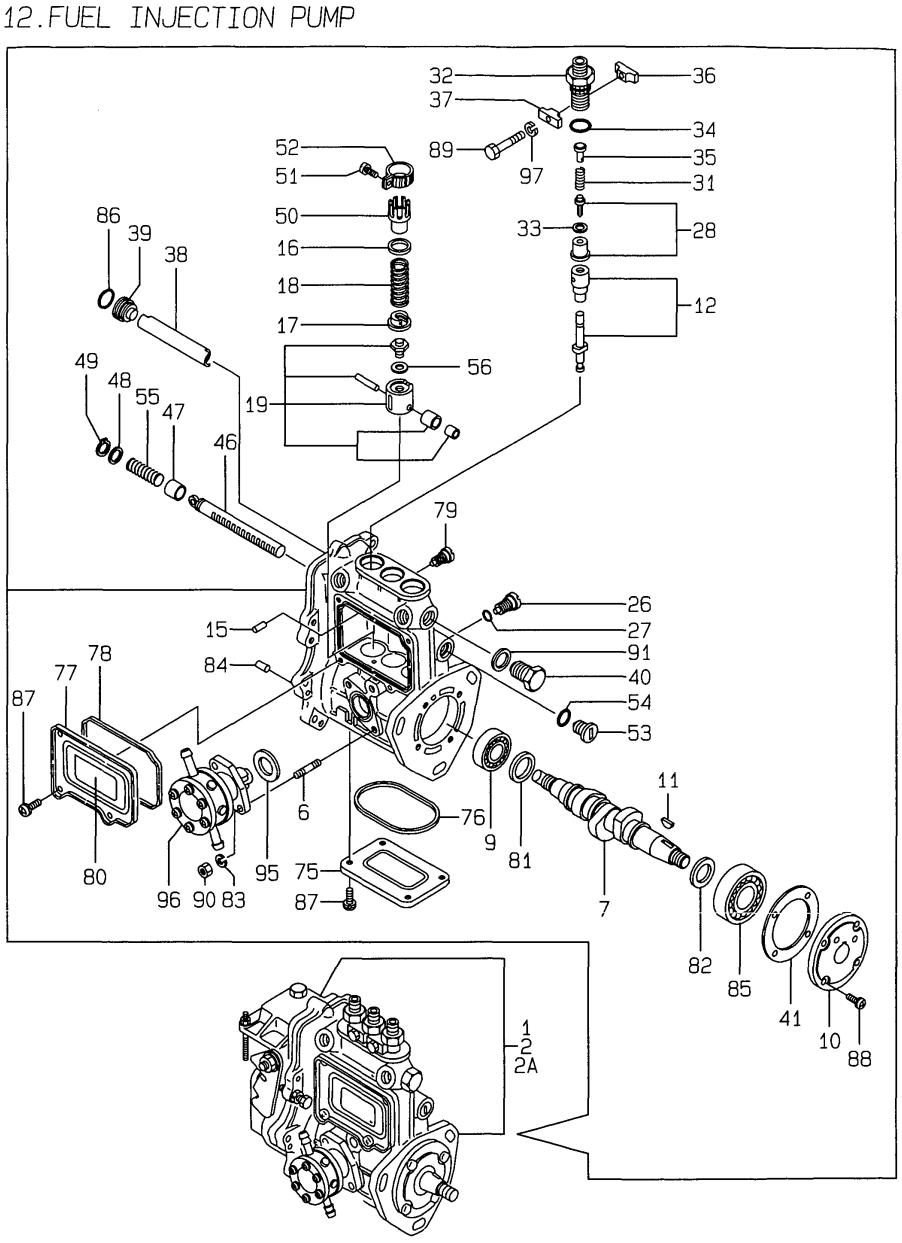
Fig.12. FUEL INJECTION PUMP



Remarks
(1)GOVERNOR ASSY(FIG.13)IS INCORPORATED IN THIS FUEL INJECTION PUMP ASSY(REF.NO.1,2,2A)

(A)=3TNE88-SA
(B)=3TNE88-G1A
(C)=3TNE88C-G1A
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729209-51350	PUMP ASSY, INJECTION	1							1
2	1	729209-51300	PUMP ASSY, INJECTION		1						1
2A	1	729209-51310	PUMP ASSY, INJECTION			1					1
6	2	129155-51020	STUD	2	2	2					
7	2	119810-51040	CAMSHAFT	1	1	1					
9	2	129155-51050	BEARING, 17BM001D	1	1	1					
10	2	129155-51060	SUPPORT, CAMSHAFT	1	1	1					
11	2	122710-51090	KEY	1	1	1					
12	2	129506-51100	PLUNGER ASSY	3	3	3					
12-1	2 (A=E05593)	129470-51101	PLUNGER ASSY	3						N	
15	2	129155-51140	PIN	3	3	3					
16	2	174307-51170	RETAINER, SPRING A	3	3	3					
17	2	129155-51180	RETAINER, SPRING	3	3	3					
18	2	124950-51190	SPRING, PLUNGER	3	3	3					
19	2	129155-51200	TAPPET ASSY	3	3	3					
26	2	129155-51270	STOPPER, TAPPET	3	3	3					
27	2	129155-51280	O-RING, S6	3	3	3					
28	2	129100-51300	VALVE ASSY, DELIVERY	3	3	3					
31	2	129155-51320	SPRING, DELIVERY	3	3	3					
32	2	129155-51340	RETAINER	3	3	3					
33	2	124550-51350	GASKET, DELIVERY	3	3	3					
34	2	124550-51370	O-RING	3	3	3					
35	2	129155-51370	STOPPER, VALVE	3	3	3					
36	2	129155-51380	STOPPER	2	2	2					
37	2	129155-51390	STOPPER	2	2	2					
38	2	129155-51400	DEFLECTOR	1	1	1					
39	2	129155-51410	BOLT	1	1	1					
40	2	129155-51420	PLUG, M16	1	1	1					
41	2	129155-51450	SHIM SET, ADJUSTING	1	1	1					
46	2	129155-51500	RACK, CONTROL	1	1	1					
47	2	129155-51521	BUSH, RACK	1	1	1					
48	2	129155-51530	SPACER	1	1	1					
49	2	129155-51540	CIRCLIP	1	1	1					
50	2	129155-51550	PINION, CONTROL	3	3	3					
51	2	122117-51560	SCREW	3	3	3					
52	2	174307-51560	PINION	3	3	3					
53	2	129155-51570	PLUG, M12	1	1	1					
54	2	129155-51580	O-RING	1	1	1					
55	2	129155-51591	SPRING, RACK	1	1	1					
56	2	129155-51600	SHIM SET, ADJUSTING	3	3	3					
75	2	129155-51700	COVER	1	1	1					
76	2	129155-51710	GASKET	1	1	1					
77	2	129155-51750	COVER	1	1	1					
78	2	129155-51760	GASKET	1	1	1					
79	2	129155-51790	STOOPER, RACK	1	1	1					
80	2	129156-51910	LABEL, CAUTION	1	1	1					
81	2	129155-51930	SPACER, T=3.25	1	1	1					
82	2	129155-51940	SPACER, T=1.5	1	1	1					
83	2	22217-060000	WASHER, SPRING 6	2	2	2					
84	2	22351-050010	PIN, SPRING 5.0X10	2	2	2					

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

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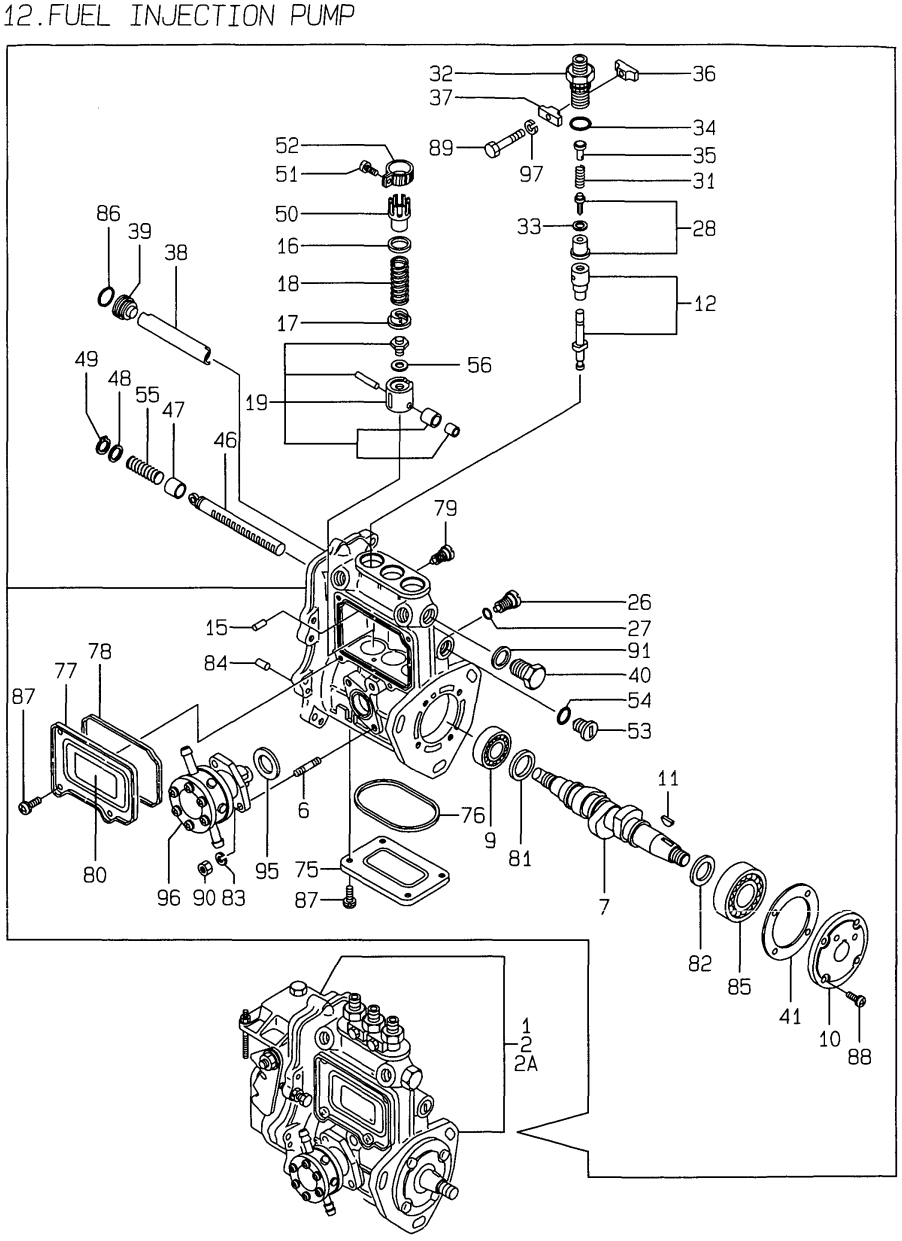
Fig.12. FUEL INJECTION PUMP

(A)=3TNE88-SA
(B)=3TNE88-G1A
(C)=3TNE88C-G1A
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
85	2	24101-063034	BEARING, BALL 6303	1	1	1					
86	2	24341-000160	O-RING, 1AS16.0	1	1	1					
87	2	26022-050102	SCREW, M5X10	8	8	8					
88	2	26022-060162	SCREW, M6X16	4	4	4					
89	2	26116-050302	BOLT, M5X 30 PLATED	2	2	2					
90	2	26716-060002	NUT, M6	2	2	2					
91	2	22190-160002	WASHER, SEAL 16	1	1	1					
95	2	129155-52050	GASKET	1	1	1					
96	2	129100-52100	PUMP ASSY, FUEL FEED	1	1	1					
97	2	22217-050000	WASHER, SPRING 5	2	2	2					

Remarks
(1)GOVERNOR ASSY(FIG.13)IS INCORPORATED IN THIS FUEL INJECTION PUMP ASSY(REF.NO.1,2,2A)

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

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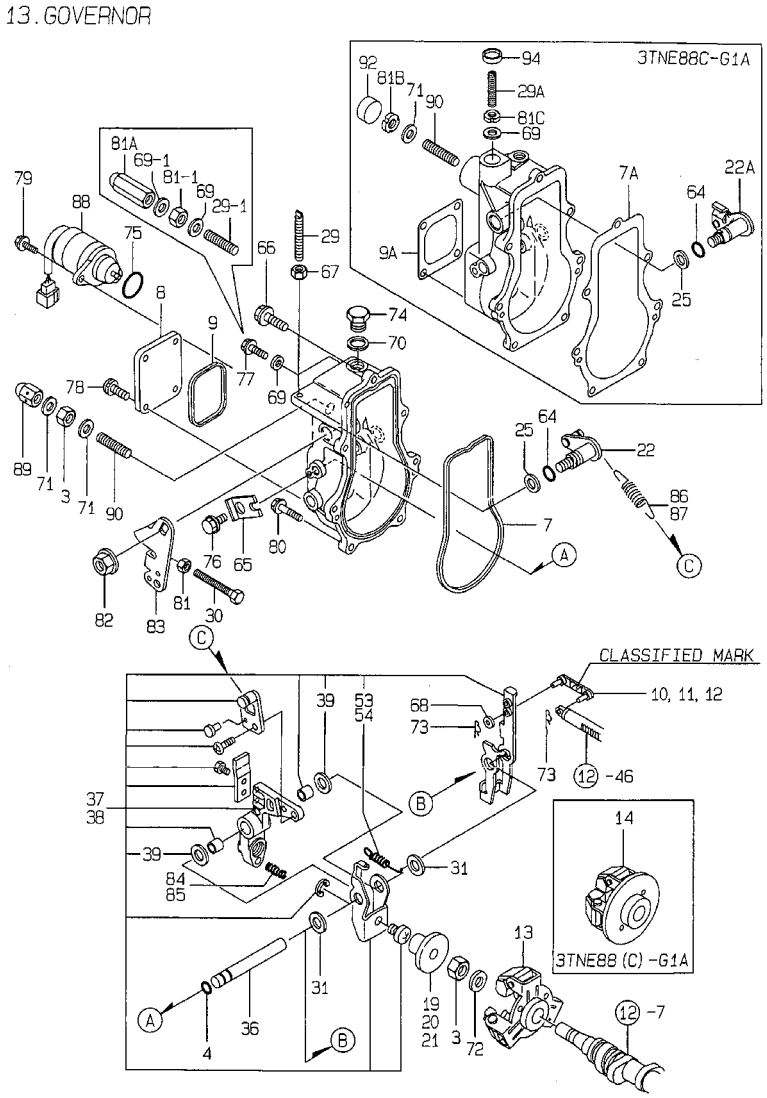
Fig.13. GOVERNOR



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
3	2	26776-120002	NUT, LOCK M12	2	2	1					
4	2	129155-51280	O-RING, S6	1	1	1					
7	2	129052-61050	GASKET	1	1						
7A	2	129116-61051	GASKET			1					
8	2	129052-61060	COVER, GOVERNOR CASE	1	1	1					
9	2	129052-61070	GASKET	1	1						
9A	2	119988-61070	GASKET			1					
10	2	129155-61120	LINK, L=30 MARK 0	1	1	1					1
11	2	129155-61130	LINK, L=31 MARK 1	1	1	1					1
12	2	129155-61140	LINK, L=30.5 MARK 05	1	1	1					1
13	2	129155-61201	WEIGHT ASSY,GOVERNOR	1							
14	2	171488-61200	WEIGHT ASSY,GOVERNOR		1	1					
19	2	129155-61341	SLEEVE	1	1	1					2
20	2	129155-61350	SLEEVE, L=24.9	1	1	1					2
21	2	129155-61360	SLEEVE, L=25.2	1	1	1					2
22	2	129100-61400	SHAFT ASSY	1	1						
22A	2	119988-61400	SHAFT ASSY			1					
25	2	129155-61430	SPACER	1	1	1					
29	2	129155-61450	BOLT, LIMITER	1	1						
29-1	2	129155-61450	BOLT, LIMITER	2						K	
	(A=E05593)										
29A	2	119988-61460	BOLT, LIMITER			1					
30	2	129155-61460	BOLT, IDLE	1	1	1					
31	2	129155-61480	SPACER ASSY	2	2	2					
36	2	129052-61390	SHAFT	1	1	1					
37	2	129052-61500	LEVER ASSY, GOVERNOR	1							
38	2	129412-61500	LEVER ASSY, GOVERNOR		1	1					
39	3	174307-51700	SHIM SET	2	2	2					
53	3	129052-61540	SPRING, SET	1							
54	3	119843-61540	SPRING, SET		1	1					
64	2	129155-61830	O-RING, S10	1	1	1					
65	2	119660-61901	RETAINER, SHAFT	1	1	1					
66	2	129155-61950	BOLT	1	1	1					
67	2	124550-66370	NUT, M6	1	1						
68	2	22117-040000	WASHER, 4	1	1	1					
69	2	22190-060002	WASHER, SEAL 6	1	1	1					
69-1	2	22190-060003	SEAL WASER 6	2	1					N	
	(A=EXXX)		(B=EXXX)								
70	2	22190-100002	WASHER, SEAL 10	1	1	1					
71	2	22190-120002	WASHER, SEAL 12	2	2	1					
72	2	22287-120000	WASHER, 12	1	1	1					
73	2	22372-040000	PIN, SNAP 4	2	2	2					
74	2	23887-100002	PLUG, 10	1	1	1					
75	2	24341-000280	O-RING, 1AS28.0	1	1	1					
75-1	2	158552-61900	O-RING	1	1	1				N	
	(A=EXXXXX)		(B=EXXXXX) (C=EXXXXX)								
76	2	26106-060102	BOLT, M6X 10 PLATED	1	1	1					
77	2	26106-060102	BOLT, M6X 10 PLATED	1	1					Z	
	(A=E05593)										
78	2	26106-060102	BOLT, M6X 10 PLATED	4	4	4					
79	2	26106-060142	BOLT, M6X 14 PLATED	2	2	2					

Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
* THIS FIGURE(GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.12).
(3) REPAIR PART.

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

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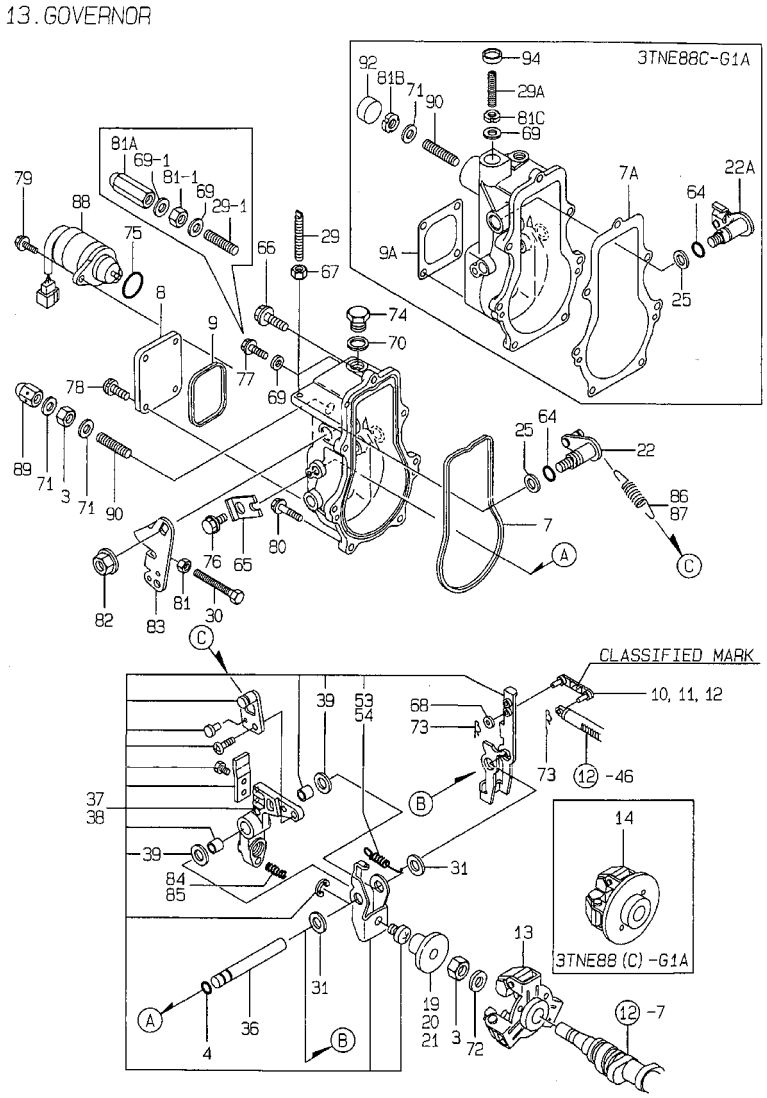
Fig.13. GOVERNOR



Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
* THIS FIGURE(GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.12).
(3) REPAIR PART.

(A)=3TNE88-SA
(B)=3TNE88-G1A
(C)=3TNE88C-G1A
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
80	2	26106-060202	BOLT, M6X 20 PLATED	6	6	6					
81	2	26756-060002	NUT, LOCK M6	1	1	1					
81-1	2	26756-060002	NUT, LOCK M6	2						K	
81A	2 (A=E05593)	119600-66840 (A=E05593)	NUT, CAP	1						W	
81B	2	119685-61940	NUT, M12			1					
81C	2	119685-61950	NUT, M6			1					
82	1	26366-080002	NUT, M8	1	1	1					
83	1	129100-61440	LEVER, CONTROL	1	1	1					
84	1	129100-61650	SPRING, CONTROLLER	1							
85	1	129500-61650	SPRING, FUEL CONTROL		1	1					
86	1	171353-61700	SPRING, GOVERNOR	1							
87	1	129477-61720	SPRING, GOVERNOR		1	1					
88	1	119653-77950	SOLENOID, STOP	1	1	1					
89	1	26687-120002	NUT, CAP M12	1	1						
90	1	129155-61470	BOLT, CONTROL	1	1	1					
92	1	119621-66610	PLUG, 22			1					3
94	1	119621-66710	PLUG, 14			1					3

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

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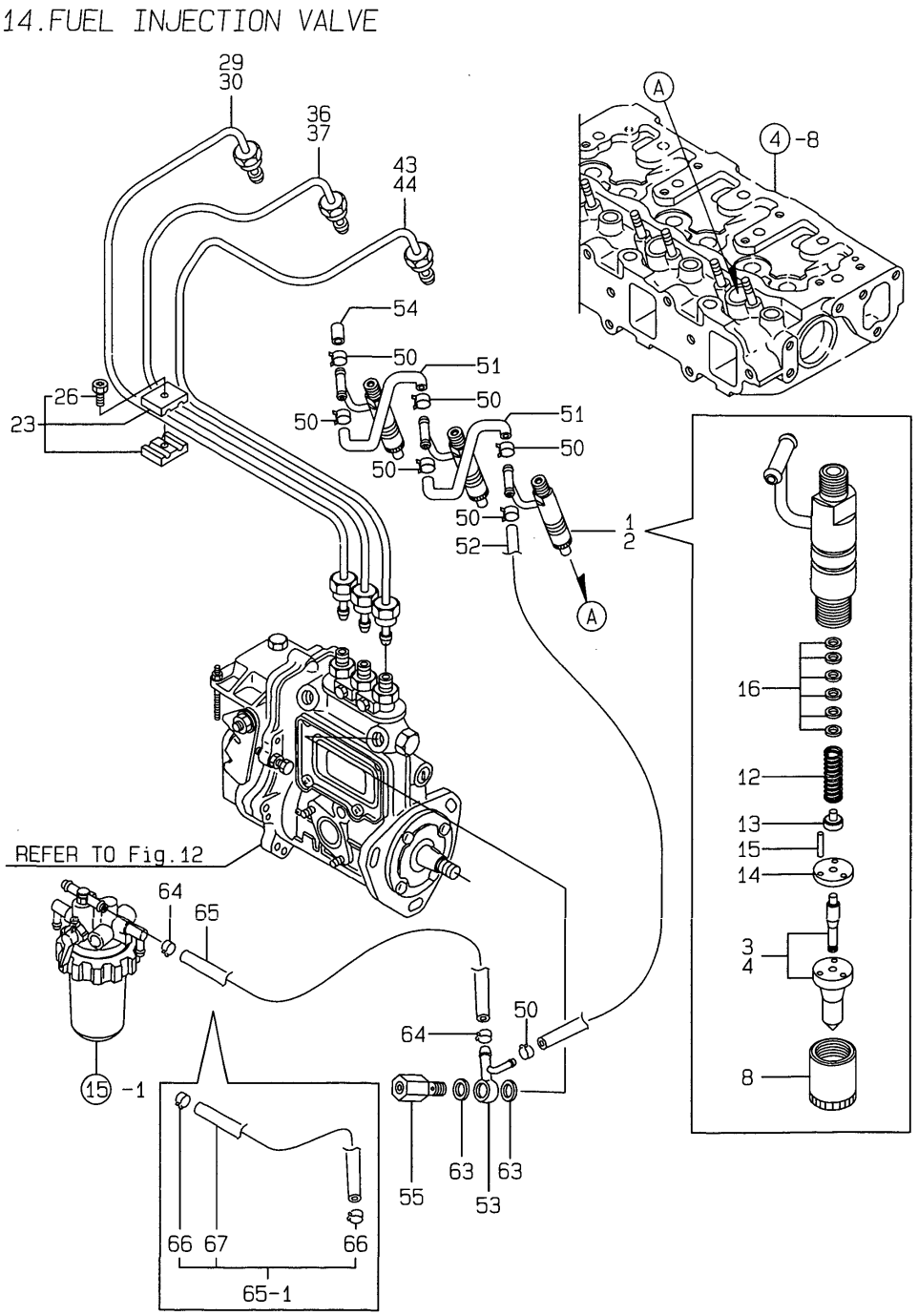
Fig.14. FUEL INJECTION VALVE



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729503-53100	VALVE ASSY,INJECTION	3							
2	1	719810-53100	VALVE ASSY,INJECTION		3	3					
3	2	129503-53000	VALVE ASSY,INJECTION	3							
4	2	119810-53000	VALVE ASSY,INJECTION		3	3					
8	2	114250-53080	NUT, NOZZLE D16.95	3	3	3					
12	2	114250-53120	SPRING, NOZZLE	3	3	3					
13	2	114250-53130	SEAT, SPRING	3	3	3					
14	2	114250-53140	PLATE	3	3	3					
15	2	114250-53210	PIN	6	6	6					
16	2	114250-53400	SHIM SET	3	3	3					
23	1	119305-59120	RETAINER, PIPE	2	2	2					
26	2	129150-59131	BOLT, M4X14	2	2	2					
29	1	129001-59811	PIPE ASSY, INJECTION	1							
29-1	1	129052-59710	PIPE ASSY, INJECTION	1							R
	(A=E07057)										
30	1	129002-59810	PIPE ASSY, INJECTION		1	1					
36	1	129001-59821	PIPE ASSY, INJECTION	1							
36-1	1	129052-59720	PIPE ASSY, INJECTION	1							R
	(A=E07057)										
37	1	129002-59820	PIPE ASSY, INJECTION		1	1					
43	1	129001-59831	PIPE ASSY, INJECTION	1							
43-1	1	129052-59730	PIPE ASSY, INJECTION	1							R
	(A=E07057)										
44	1	129002-59831	PIPE ASSY, INJECTION		1	1					
50	1	124066-59100	CLIP, HOSE 8	7	7	7					
51	1	121250-59550	PIPE, FUEL D8X120	2	2	2					
52	1	119840-59560	PIPE, FUEL RETURN	1	1	1					
53	1	119840-59570	JOINT	1	1	1					
54	1	129150-59580	CAP	1	1	1					
55	1	129100-59951	VALVE ASSY, CHECK	1	1	1					
63	1	23414-120000	GASKET, 12X1.0	2	2	2					
64	1	124766-59050	CLIP, HOSE 12	2	2	2					Z
	(A=E07043)	(B=E07153)	(C=E00204)								
65	1	129255-59580	PIPE, FUEL	1	1	1					
65-1	1	129210-59130	PIPE ASSY, FUEL	1	1	1					N
	(A=E07043)	(B=E07153)	(C=E00204)								
66	2	124766-59050	CLIP, HOSE 12	2	2	2					W
	(A=E07043)	(B=E07153)	(C=E00204)								
67	2	105025-59750	PIPE, FUEL	1	1	1					W
	(A=E07043)	(B=E07153)	(C=E00204)								

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

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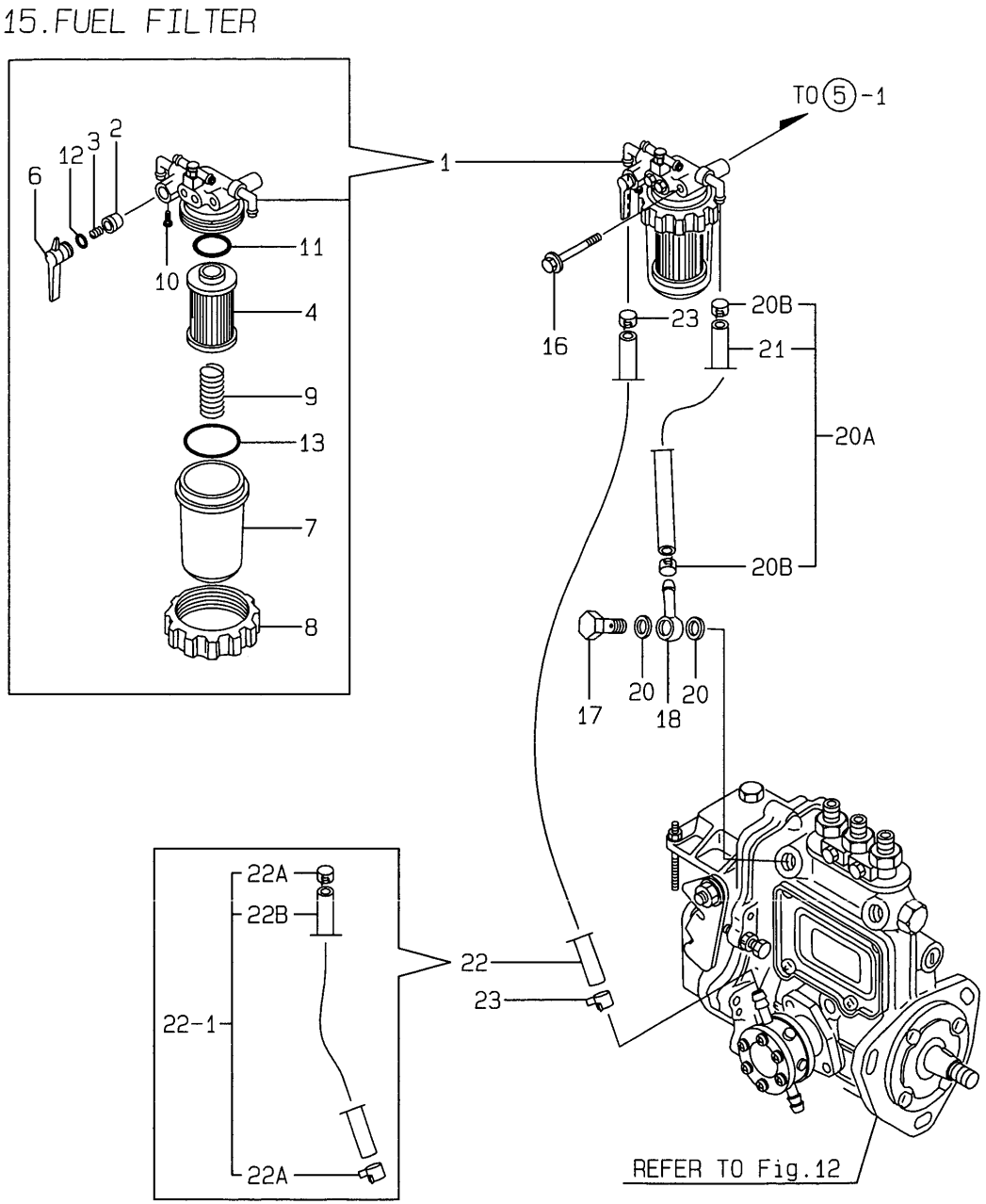
Fig.15. FUEL FILTER

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=



No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129052-55620	FILTER ASSY, FUEL	1	1	1					
2	2	104200-55321	VALVE, TAPER	1	1	1					
3	2	104200-55330	SPRING, VALVE	1	1	1					
4	2	129100-55650	ELEMENT	1	1	1					
6	2	129100-55670	LEVER	1	1	1					
7	2	129100-55680	CUP, STRAINER	1	1	1					
8	2	129100-55690	RING, RETAINING	1	1	1					
9	2	129100-55700	SPRING	1	1	1					
10	2	104200-55750	SCREW, M4	1	1	1					
11	2	24311-000160	O-RING, 1AP16.0	1	1	1					
12	2	24311-240100	O-RING, 1AP10A	1	1	1					
13	2	24321-000650	O-RING, 1AG65.0	1	1	1					
16	1	26014-080702	BOLT, M8X 70	1	1	1					
17	1	103854-39140	BOLT, PIPE JOINT	1	1	1					
18	1	101304-59020	JOINT, PIPE 12	1	1	1					
20	1	104200-59170	GASKET, 12	2	2	2					
20-1	1	22190-120002	WASHER, SEAL 12	2	2	2				N	
	(A=E04833)	(B=E04704)	(C=E00103)								
20A	1	129210-59020	PIPE ASSY, FUEL	1	1	1				W	
	(A=E07043)	(B=E07153)	(C=E00204)								
20B	2	124766-59050	CLIP, HOSE 12	2	2	2				W	
	(A=E07043)	(B=E07153)	(C=E00204)								
21	2	129115-59510	PIPE, FUEL	1	1	1					
22	1	129255-59580	PIPE, FUEL	1	1	1					
22-1	1	129210-59130	PIPE ASSY, FUEL	1	1	1				N	
	(A=E07043)	(B=E07153)	(C=E00204)								
22A	2	124766-59050	CLIP, HOSE 12	2	2	2				W	
	(A=E07043)	(B=E07153)	(C=E00204)								
22B	2	105025-59750	PIPE, FUEL	1	1	1				W	
	(A=E07043)	(B=E07153)	(C=E00204)								
23	1	124766-59050	CLIP, HOSE 12	2	2	2				Z	
	(A=E07043)	(B=E07153)	(C=E00204)								

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

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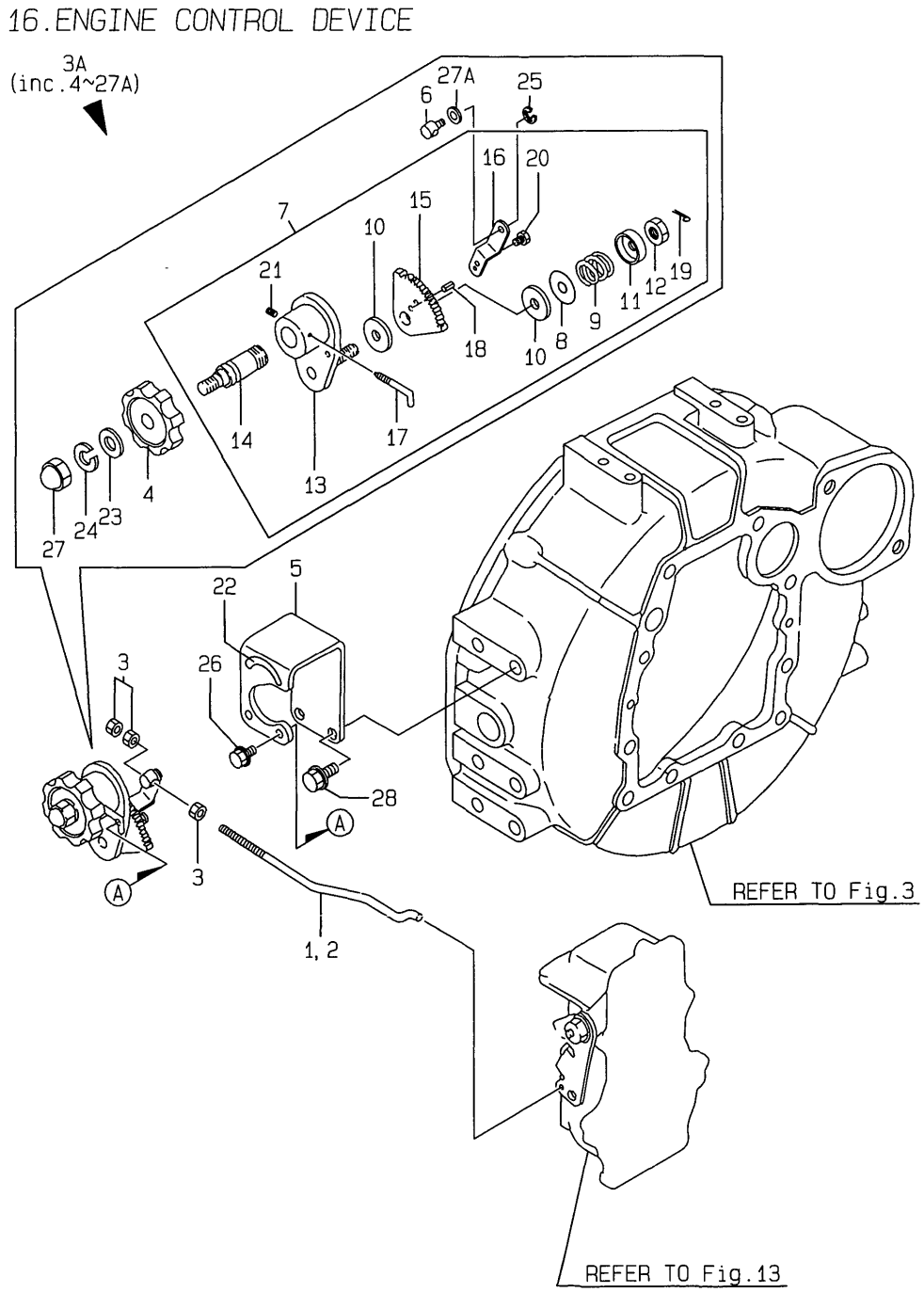
Fig.16. ENGINE CONTROL DEVICE



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119888-66120	LINK, ENGINE CONTROL	1							
2	1	119888-66150	LINK		1	1					
3	1	26756-050002	NUT, LOCK M5	3	3	3					
3A	1	119888-66160	CONTROLLER ASSY	1	1	1				W	
	(A=E07093)	(B=E07153)	(C=E00214)								
4	2	126650-66020	HANDLE, REGULATOR	1	1	1					
5	2	119888-66110	BRACKET	1	1	1					
6	2	119888-66130	PIVOT	1	1	1					
7	2	171048-67010	CONTROLLER ASSY	1	1	1					
8	3	171102-66080	WASHER	1	1	1					
9	3	104200-66820	SPRING	1	1	1					
10	3	104200-66830	PLATE, FRICTION	2	2	2					
11	3	104200-66850	WASHER	1	1	1					
12	3	104200-66860	NUT	1	1	1					
13	3	171085-67100	BRACKET	1	1	1					
14	3	171085-67110	SHAFT, DRIVE	1	1	1					
15	3	171085-67120	GEAR	1	1	1					
16	3	171048-67130	LEVER	1	1	1					
17	3	171048-67140	STOPPER	1	1	1					
18	3	22351-020006	PIN, SPRING 2.0X 6	1	1	1					
19	3	22411-200150	COTTER PIN	1	1	1					
20	3	26116-060082	BOLT, M6X 8 PLATED	1	1	1					
21	3	26921-050122	SCREW, M5X12	1	1	1					
22	2	170064-67210	LABEL, HANDLE	1	1	1					
23	2	22117-100000	WASHER, 10	1	1	1					
23-1	2	22137-100000	WASHER, 10	1	1	1				N	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
24	2	22217-100000	WASHER, SPRING 10	1	1	1					
25	2	22272-000050	RING, E- 5	1	1	1					
26	2	26106-060102	BOLT, M6X 10 PLATED	2	2	2					
27	2	26657-100002	NUT, CAP M10	1	1	1					
27A	2	22117-060000	WASHER, 6	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
28	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2					

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

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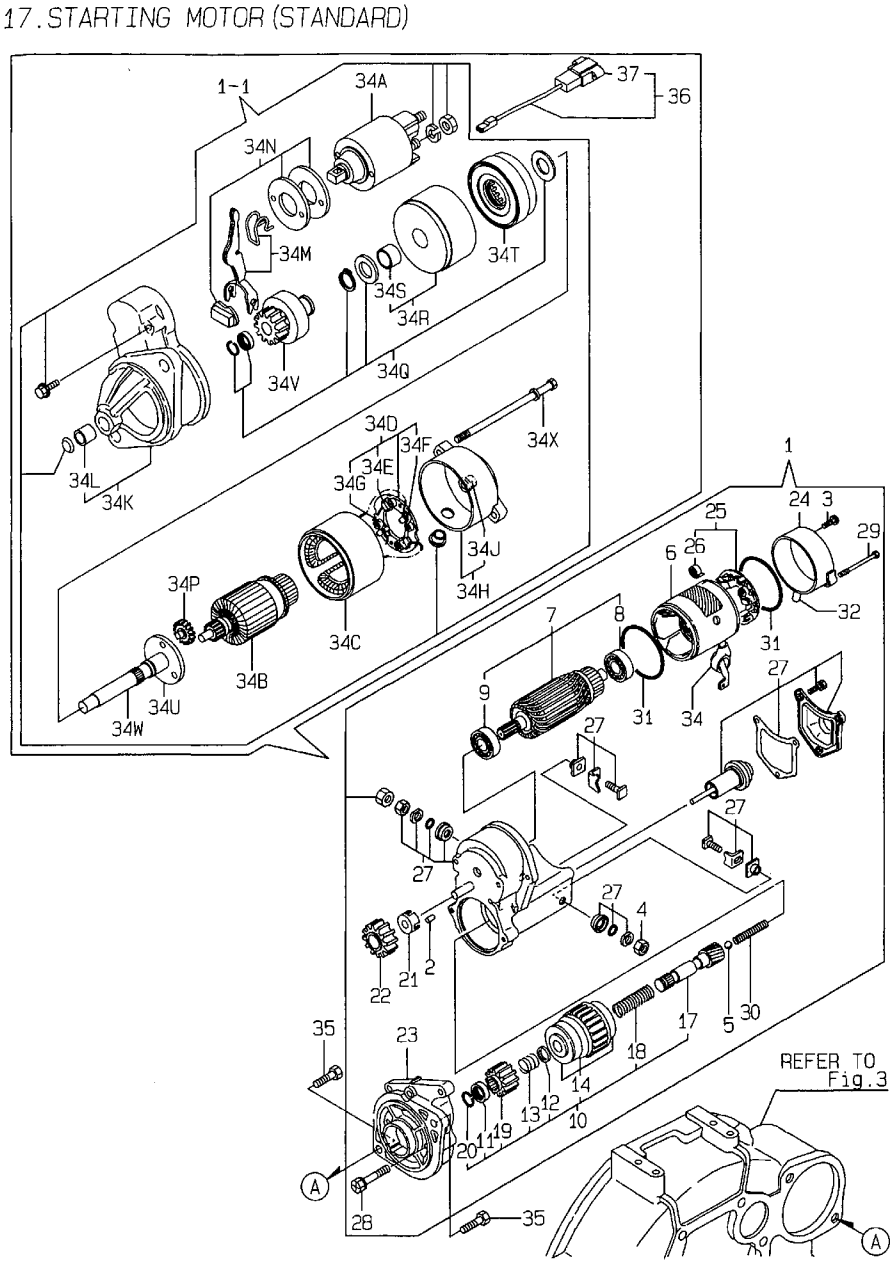
Fig.17. STARTING MOTOR(STANDARD)



Remarks
(1) REF.NO.1-1 & 36 INTERCHANGEABLE BY SET.

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129129-77010	STARTER ASSY	1	1	1					
1-1	1	129698-77010	STARTER, 12V1.2KW	1						F	1
	(A=E06848)										
2	2	X0283060061	ROLLER	5	5	5				Z	
	(A=E06848)										
3	2	X0289030010	SCREW	2	2	2					
3-1	2	129129-77460	SCREW	2	2	2				R	
	(A=E05996)	(B=E06079)	(C=E00140)								
3-2	2	129129-77460	SCREW	2						Z	
	(A=E06848)										
4	2	X9490561370	NUT	1	1	1				Z	
	(A=E06848)										
5	2	X9491200240	BALL	1	1	1				Z	
	(A=E06848)										
6	2	129129-77210	YOKE ASSY	1	1	1				Z	
	(A=E06848)										
7	2	129129-77220	ARMATURE ASSY	1	1	1				Z	
	(A=E06848)										
8	3	129129-77230	BEARING	1	1	1				Z	
	(A=E06848)										
9	3	129129-77240	BEARING	1	1	1				Z	
	(A=E06848)										
10	2	129129-77250	STARTER	1	1	1				Z	
	(A=E06848)										
11	3	X0280210230	NUT	1	1	1				Z	
	(A=E06848)										
12	3	X0283270140	RETAINER	1	1	1				Z	
	(A=E06848)										
13	3	X9491703371	SPRING, COIL	1	1	1				Z	
	(A=E06848)										
14	3	129129-77390	CLUTCH ASSY	1	1	1				Z	
	(A=E06848)										
17	3	129129-77400	SHAFT	1	1	1				Z	
	(A=E06848)										
18	3	129129-77410	SPRING, COIL	1	1	1				Z	
	(A=E06848)										
19	3	129129-77420	PINION, STARTER	1	1	1				Z	
	(A=E06848)										
20	3	129129-77430	RING	1	1	1				Z	
	(A=E06848)										
21	2	129129-77260	RETAINER	1	1	1				Z	
	(A=E06848)										
22	2	129129-77270	PINION	1	1	1				Z	
	(A=E06848)										
23	2	129129-77280	HOUSING	1	1	1				Z	
	(A=E06848)										
24	2	129129-77290	FRAME	1	1	1				Z	
	(A=E06848)										
25	2	129129-77300	HOLDER ASSY	1	1	1				Z	
	(A=E06848)										
26	3	X9491730461	SPRING	4	4	4				Z	

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

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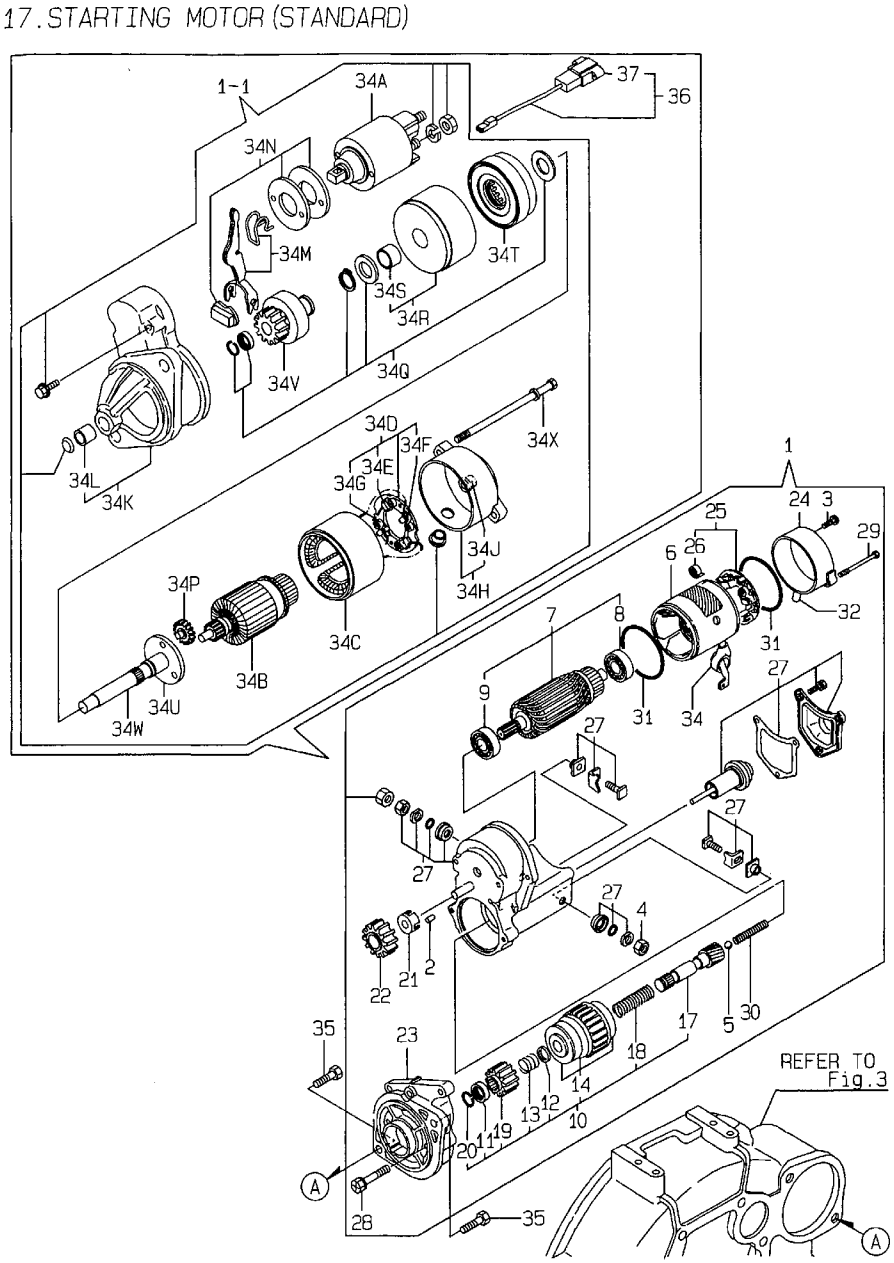
Fig.17. STARTING MOTOR(STANDARD)



Remarks
(1) REF.NO.1-1 & 36 INTERCHANGEABLE BY SET.

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
		(A=E06848)									
27	2	129129-77310	SWITCH ASSY	1	1	1				Z	
		(A=E06848)									
28	2	129129-77320	BOLT	2	2	2				Z	
		(A=E06848)									
29	2	129129-77330	BOLT	2	2	2				Z	
		(A=E06848)									
30	2	129129-77340	SPRING	1	1	1				Z	
		(A=E06848)									
31	2	129129-77350	O-RING	2	2	2				Z	
		(A=E06848)									
32	2	129129-77361	BUSH	1	1	1					
32-1	2	129129-77362	COVER	1	1	1				R	
		(A=E05996)	(B=E06079) (C=E00140)								
32-2	2	129129-77362	COVER	1						Z	
		(A=E06848)									
34	2	129129-77380	CAP	1	1	1				Z	
		(A=E06848)									
34A	2	129698-77020	SWITCH ASSY	1						W	
		(A=E06848)									
34B	2	129698-77100	ARMATURE ASSY	1						W	
		(A=E06848)									
34C	2	129698-77110	YOKE ASSY	1						W	
		(A=E06848)									
34D	2	129698-77120	HOLDER ASSY, BRUSH	1						W	
		(A=E06848)									
34E	3	129698-77140	BRUSH SET	1						W	
		(A=E06848)									
34F	3	129698-77130	BRUSH	2						W	
		(A=E06848)									
34G	3	129698-77150	SPRING, BRUSH	4						W	
		(A=E06848)									
34H	2	129698-77161	COVER ASSY	1						W	
		(A=E06848)									
34J	3	129698-77170	BEARING	1						W	
		(A=E06848)									
34K	2	129698-77260	CASE ASSY	1						W	
		(A=E06848)									
34L	3	X2114535200	METAL, STARTER	1						W	
		(A=E06848)									
34M	2	129698-77270	LEVER SET, SHIFT	1						W	
		(A=E06848)									
34N	2	129698-77280	COVER KIT	1						W	
		(A=E06848)									
34P	2	129698-77240	GEAR	3						W	
		(A=E06848)									
34Q	2	129698-77250	WASHER SET	1						W	
		(A=E06848)									
34R	2	129698-77180	BRACKET	1						W	
		(A=E06848)									
34S	3	129698-77190	BRACKET	1						W	

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

++ CONTINUE ++

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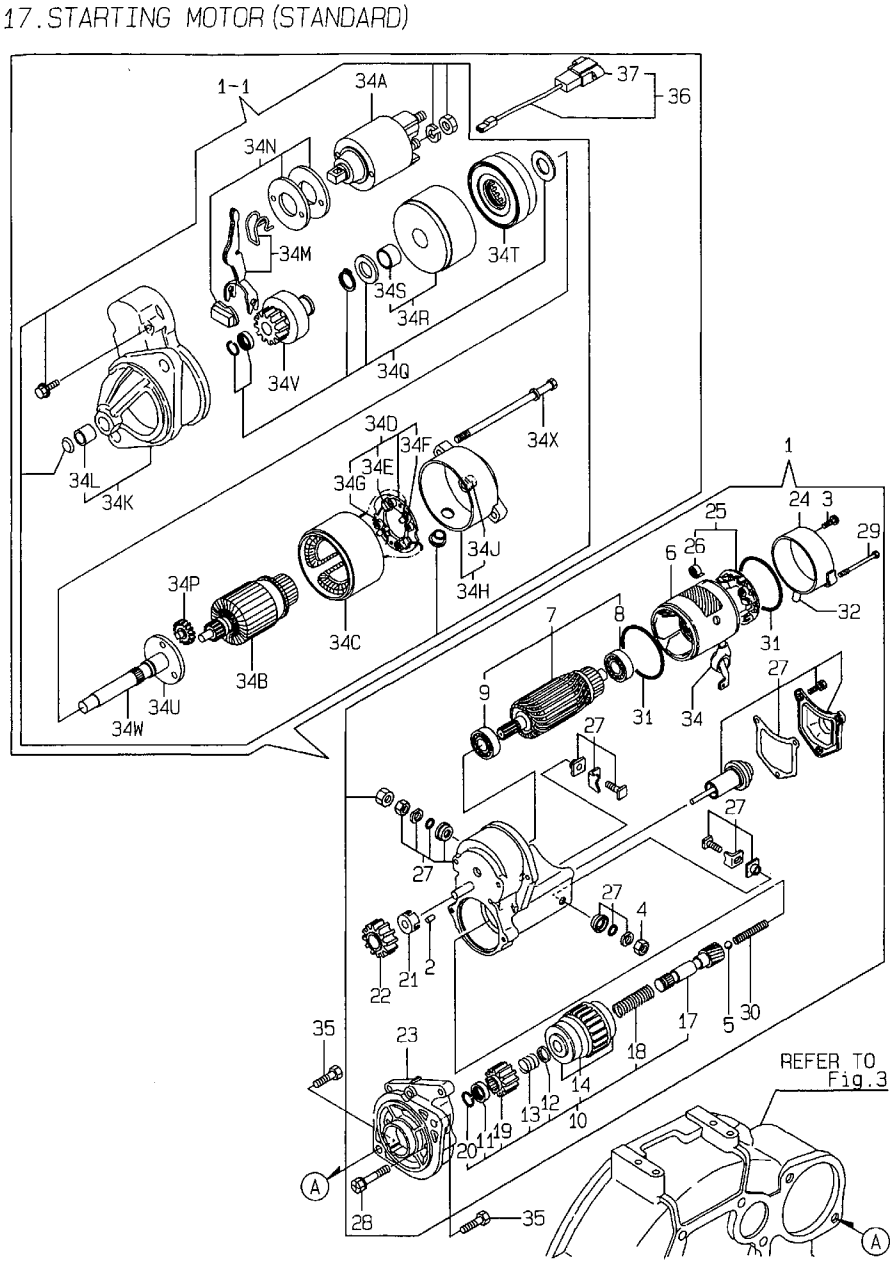
Fig.17. STARTING MOTOR(STANDARD)

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=



No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
		(A=E06848)									
34T	2	129698-77200	GEAR, INTERNAL	1						W	
		(A=E06848)									
34U	2	129698-77210	BRACKET	1						W	
		(A=E06848)									
34V	2	129698-77220	PINION ASSY	1						W	
		(A=E06848)									
34W	2	129698-77230	SHAFT	1						W	
		(A=E06848)									
34X	2	124195-77770	BOLT, THROUGH	2						W	
		(A=E06848)									
35	1	26116-120252	BOLT, M12X 25 PLATED	2	2	2					
36	1	129052-77951	CONNECTOR, STARTER	1						W	
		(A=E06848)									
37	2	129052-77960	HOUSING	1						W	
		(A=E06848)									

Remarks
(1) REF.NO.1-1 & 36 INTERCHANGEABLE BY SET.

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

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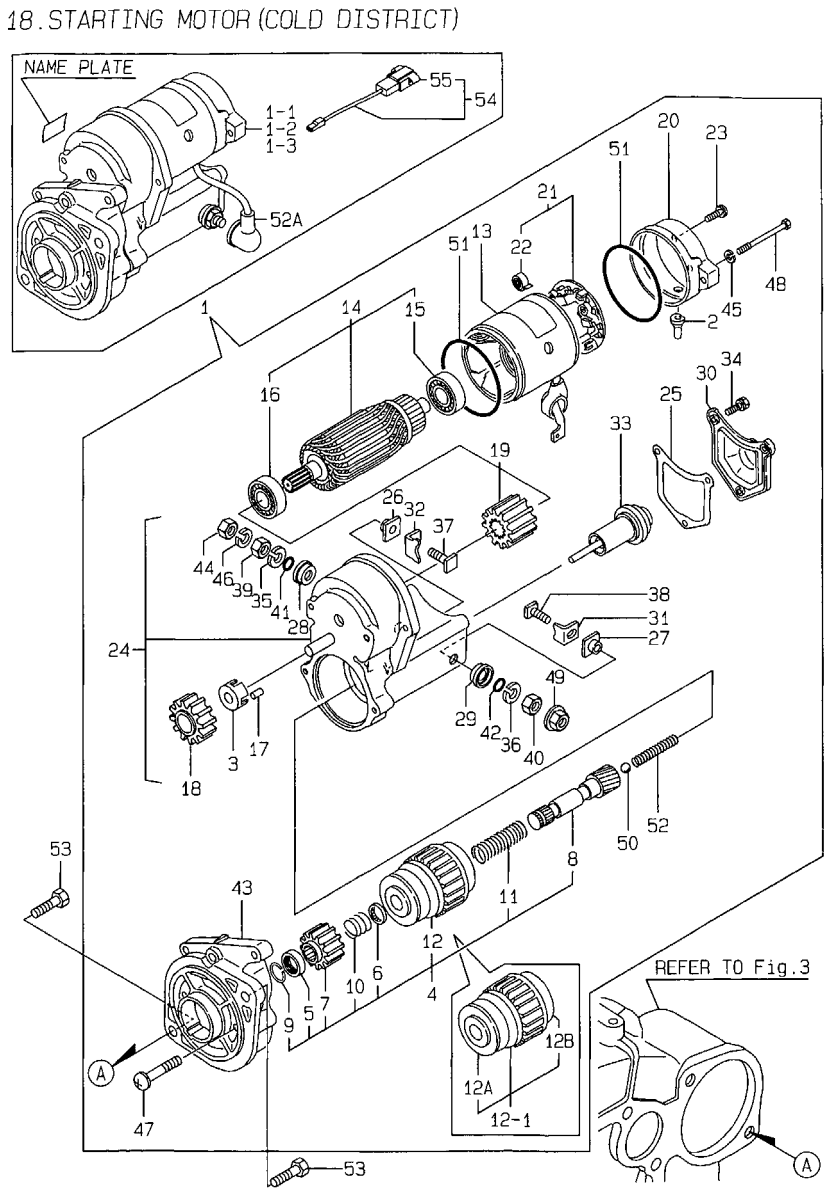
Fig.18. STARTING MOTOR(COLD DISTRICT)



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	121120-77011	STARTER	1	1						
1-1	1	121120-77012	STARTER, RA1.4	1	1	1				R	2
	(A=E03814)	(B=E03598)									
1-2	1	129407-77010	STARTER, RA1.4	1	1	1				R	3
	(A=E06362)	(B=E06304)	(C=E00151)								
1-3	1	129608-77010	STARTER, S114-817A	1						F	1
	(A=E06848)										
2	2	X0280620480	COVER	1	1						
2-1	2	129129-77362	COVER	1	1	1				S	2
	(A=E03814)	(B=E03598)									
3	2	X0280630011	RETAINER	1	1						
3-1	2	129129-77260	RETAINER	1	1	1				S	2
	(A=E03814)	(B=E03598)									
4	2	X0280992381	CLUTCH KIT	1	1						
4-1	2	121120-77250	STARTER	1	1	1				S	2
	(A=E03814)	(B=E03598)									
4-2	2	129407-77250	STARTER	1	1	1				S	3
	(A=E06362)	(B=E06304)	(C=E00151)								
5	3	X0280210230	NUT	1	1	1					
6	3	X0283270140	RETAINER	1	1						
6-1	3	129129-77260	RETAINER	1	1	1				S	2
	(A=E03814)	(B=E03598)									
6-2	3	X0283270140	RETAINER	1	1	1				S	3
	(A=E06362)	(B=E06304)	(C=E00151)								
7	3	X0283711770	PINION	1	1						
7-1	3	129129-77270	PINION	1	1	1				S	2
	(A=E03814)	(B=E03598)									
7-2	3	129129-77420	PINION, STARTER	1	1	1				S	3
	(A=E06362)	(B=E06304)	(C=E00151)								
8	3	X0283810040	SHAFT	1	1						
8-1	3	129129-77400	SHAFT	1	1	1				S	2
	(A=E03814)	(B=E03598)									
9	3	X9490721080	RING	1	1						
9-1	3	129129-77430	RING	1	1	1				S	2
	(A=E03814)	(B=E03598)									
10	3	X9491703371	SPRING, COIL	1	1						
10-1	3	129407-77410	SPRING	1	1	1				S	2
	(A=E03814)	(B=E03598)									
11	3	X9491704260	SPRING	1	1						
11-1	3	129129-77410	SPRING, COIL	1	1	1				S	2
	(A=E03814)	(B=E03598)									
12	3	121120-77930	CASE ASSY, STARTER	1	1						
12-1	3	129129-77390	CLUTCH ASSY	1	1	1				S	2
	(A=E03814)	(B=E03598)									
12-2	3	129407-77390	CLUTCH ASSY	1	1	1				S	3
	(A=E06362)	(B=E06304)	(C=E00151)								
12A	4	129129-77440	BEARING, BALL	1	1	1				W	
	(A=E03814)	(B=E03598)									
12B	4	129129-77450	BEARING, BALL	1	1	1				W	
	(A=E03814)	(B=E03598)									
13	2	X0281003770	YOKE ASSY	1	1						

Remarks
(1) REF.NO.1-1 & 54 INTERCHANGEABLE BY SET.
SEE GROUP NO.22 FOR MORE DETAIL.
(2) NAME PLATE= BLACK(121120-77012).
(3) NAME PLATE= RED(129407-77010).

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

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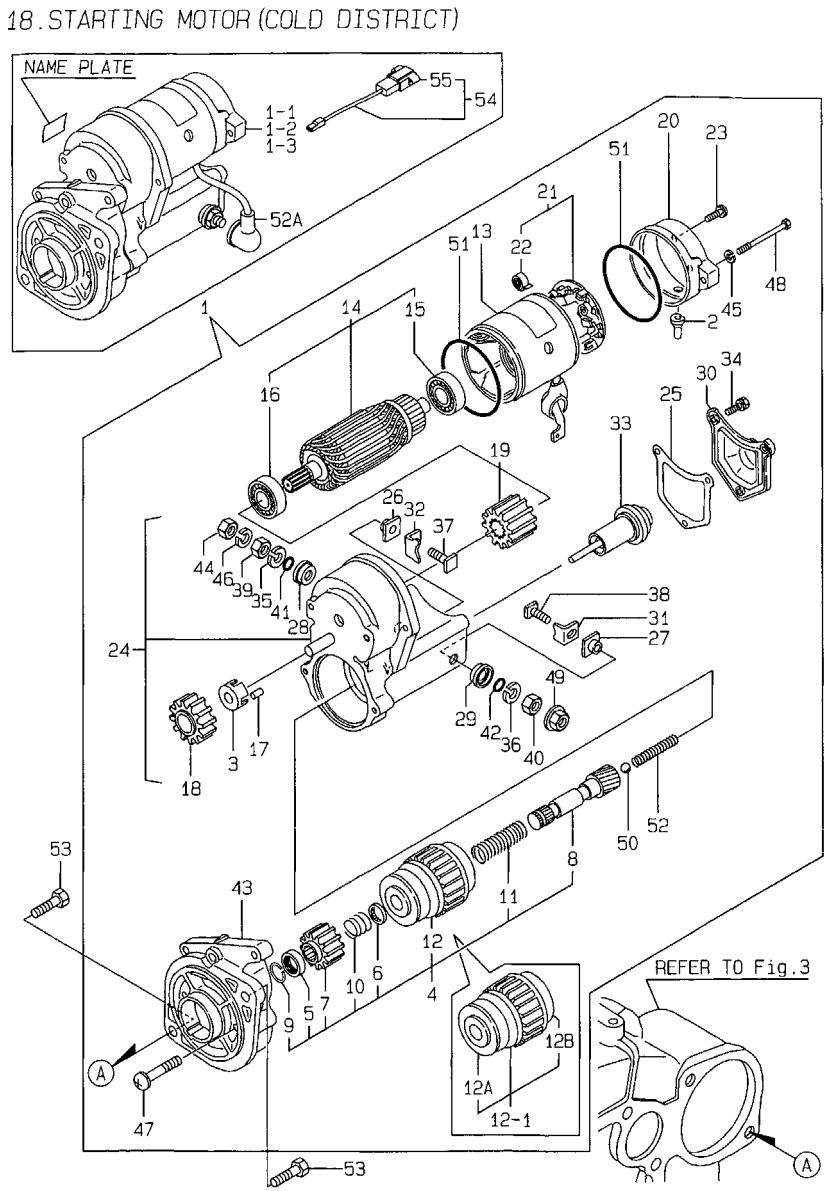
Fig.18. STARTING MOTOR(COLD DISTRICT)



Remarks
(1) REF.NO.1-1 & 54 INTERCHANGEABLE BY SET.
SEE GROUP NO.22 FOR MORE DETAIL.
(2) NAME PLATE= BLACK(121120-77012).
(3) NAME PLATE= RED(129407-77010).

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
13-1	2	129407-77210	YOKE ASSY	1	1	1				S	2
	(A=E03814)	(B=E03598)									
14	2	X0282002320	HOUSING ASSY	1	1						
14-1	2	129407-77220	ARMATURE ASSY	1	1	1				S	2
	(A=E03814)	(B=E03598)									
15	3	X9491002590	BALL BEARING	1	1						
15-1	3	129129-77230	BEARING	1	1	1				S	2
	(A=E03814)	(B=E03598)									
16	3	X9491002760	BALL BEARING	1	1						
16-1	3	129129-77240	BEARING	1	1	1				S	2
	(A=E03814)	(B=E03598)									
17	2	X0283060061	ROLLER	5	5	5					
18	2	X0283711420	PINION	1	1						
18-1	2	129129-77270	PINION	1	1	1				S	2
	(A=E03814)	(B=E03598)									
19	2	X0283712360	PINION	1	1					Z	
	(A=E03814)	(B=E03598)									
20	2	X0285011600	FRAME	1	1						
20-1	2	129407-77290	FRAME	1	1	1				S	2
	(A=E03814)	(B=E03598)									
20-2	2	129129-77290	FRAME	1	1	1				S	3
	(A=E06362)	(B=E06304)	(C=E00151)								
21	2	X0285100750	HOLDER ASSY, BRUSH	1	1						
21-1	2	129407-77300	HOLDER ASSY	1	1	1				S	2
	(A=E03814)	(B=E03598)									
22	3	X9491730461	SPRING	4	4	4					
23	2	X0289030010	SCREW	2	2						
23-1	2	129129-77460	SCREW	2	2	2				S	2
	(A=E03814)	(B=E03598)									
24	2	X0534006470	SWITCH ASSY, MAGNET.	1	1						
24-1	2	129407-77310	SWITCH ASSY	1	1	1				S	2
	(A=E03814)	(B=E03598)									
25	3	X0534040320	GASKET	1	1					Z	
	(A=E03814)	(B=E03598)									
26	3	X0534490120	BUSH	1	1					Z	
	(A=E03814)	(B=E03598)									
27	3	X0534490120	BUSH	1	1					Z	
	(A=E03814)	(B=E03598)									
28	3	X0534490230	BUSH	1	1					Z	
	(A=E03814)	(B=E03598)									
29	3	X0534490230	BUSH	1	1					Z	
	(A=E03814)	(B=E03598)									
30	3	X0535050620	COVER	1	1					Z	
	(A=E03814)	(B=E03598)									
31	3	X0535130241	PLATE	1	1					Z	
	(A=E03814)	(B=E03598)									
32	3	X0535130320	PLATE	1	1					Z	
	(A=E03814)	(B=E03598)									
33	3	X0536600401	PLUNGER	1	1					Z	
	(A=E03814)	(B=E03598)									
34	3	X9151005141	BOLT	3	3					Z	

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

++ CONTINUE ++

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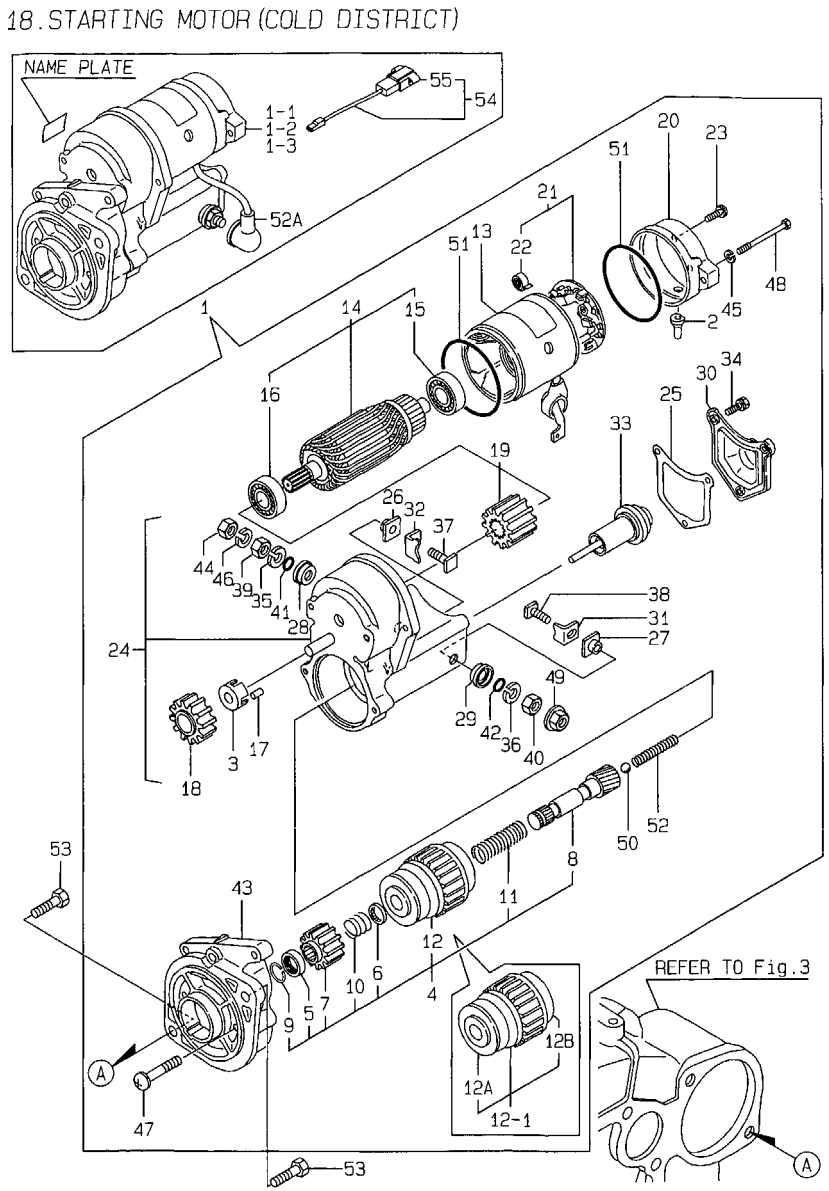
Fig.18. STARTING MOTOR(COLD DISTRICT)



(A)=3TNE88-SA
(B)=3TNE88-G1A
(C)=3TNE88C-G1A
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
		(A=E03814) (B=E03598)									
35	3	X9490170900	WASHER	1	1					Z	
		(A=E03814) (B=E03598)									
36	3	X9490170900	WASHER	1	1					Z	
		(A=E03814) (B=E03598)									
37	3	X9490441303	BOLT	1	1					Z	
		(A=E03814) (B=E03598)									
38	3	X9490441312	BOLT	1	1					Z	
		(A=E03814) (B=E03598)									
39	3	X9490502820	NUT	1	1					Z	
		(A=E03814) (B=E03598)									
40	3	X9490502820	NUT	1	1					Z	
		(A=E03814) (B=E03598)									
41	3	X9491402100	O-RING	1	1					Z	
		(A=E03814) (B=E03598)									
42	3	X9491402100	O-RING	1	1					Z	
		(A=E03814) (B=E03598)									
43	2	X1284000710	HOUSING	1	1						
43-1	2	121120-77280	HOUSING	1	1	1				S	2
		(A=E03814) (B=E03598)									
43-2	2	129407-77280	HOUSING	1	1	1				S	3
		(A=E06362) (B=E06304) (C=E00151)									
44	2	X9019008651	NUT	1	1						
45	2	X9025806001	WASHER	2	2					Z	
		(A=E03814) (B=E03598)									
46	2	X9025808001	WASHER	1	1					Z	
		(A=E03814) (B=E03598)									
47	2	X9490071970	SCREW	2	2						
47-1	2	129129-77320	BOLT	2	2	2				S	2
		(A=E03814) (B=E03598)									
48	2	X9490422570	BOLT	2	2						
48-1	2	129407-77330	BOLT	2	2	2				S	2
		(A=E03814) (B=E03598)									
49	2	X9490561370	NUT	1	1	1					
50	2	X9491200240	BALL	1	1	1					
51	2	X9491403700	O-RING	2	2						
51-1	2	129129-77350	O-RING	2	2	2				S	2
		(A=E03814) (B=E03598)									
52	2	X9491703380	SPRING	1	1						
52-1	2	129129-77340	SPRING	1	1	1				S	2
		(A=E03814) (B=E03598)									
52A	2	129129-77380	CAP	1	1	1				W	
		(A=E03814) (B=E03598)									
53	1	26116-120252	BOLT, M12X 25 PLATED	2	2	2					
54	1	129052-77951	CONNECTOR, STARTER	1						W	
		(A=E06848)									
55	2	129052-77960	HOUSING	1						W	
		(A=E06848)									

Remarks
(1) REF.NO.1-1 & 54 INTERCHANGEABLE BY SET.
SEE GROUP NO.22 FOR MORE DETAIL.
(2) NAME PLATE= BLACK(121120-77012).
(3) NAME PLATE= RED(129407-77010).

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

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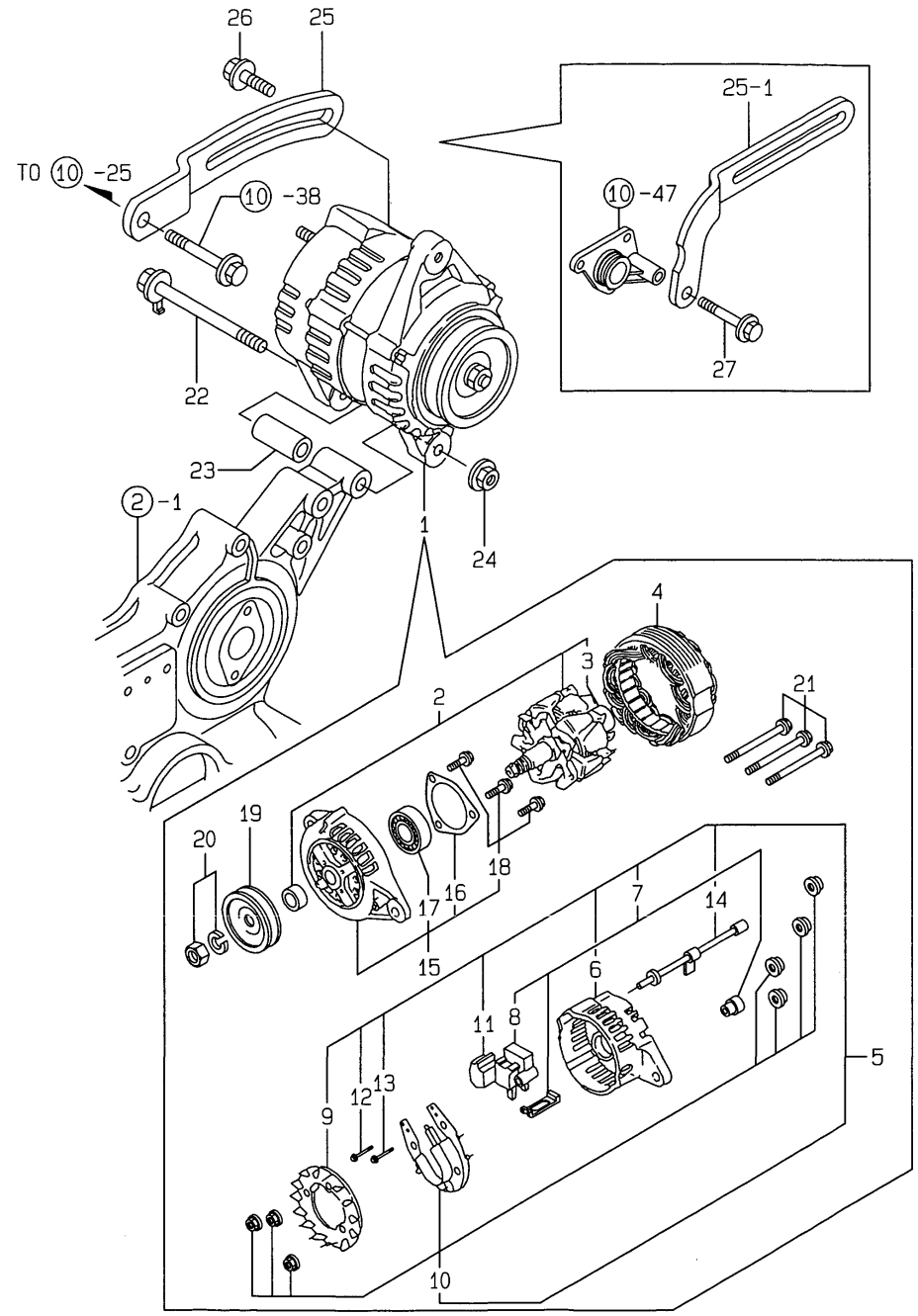
Fig.19. GENERATOR



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119836-77200	GENERATOR	1	1	1					
2	2	119836-77700	ROTOR ASSY	1	1	1					
3	3	119836-77850	BALL BEARING	1	1	1					
4	2	119836-77710	STATOR ASSY	1	1	1					
5	2	119836-77721	COVER ASSY, REAR	1	1	1					
6	3	119836-77730	COVER, REAR	1	1	1					
7	3	119836-77741	BRUSH ASSY,REGULATOR	1	1	1					
8	4	119836-77750	BRUSH ASSY	1	1	1					
9	3	119836-77760	GUIDE, FAN SIDE	1	1	1					
10	3	119836-77770	DIODE ASSY	1	1	1					
11	3	119836-77780	CONDENSER	1	1	1					
12	3	119836-77871	BOLT (1)	1	1	1					
13	3	119836-77880	BOLT (2)	1	1	1					
14	3	119836-77890	WIRE ASSY, LEAD	1	1	1					
15	2	119836-77790	COVER ASSY, FRONT	1	1	1					
16	3	119836-77800	RETAINER, BEARING	1	1	1					
17	3	119836-77840	BALL BEARING	1	1	1					
18	3	119836-77860	SCREW KID	1	1	1					
19	2	119836-77810	PULLEY	1	1	1					
20	2	119836-77820	NUT ASSY, PULLEY	1	1	1					
21	2	119836-77830	BOLT, THROUGH	1	1	1					
22	1	129136-77250	BOLT M 8X105	1	1	1					
22-1	1	129136-77251	BOLT, M8X110	1	1	1					N
	(A=E06848)	(B=E06806)	(C=E00172)								
23	1	119820-77340	PIECE, DISTANCE	1	1	1					
24	1	26366-080002	NUT, M8	1	1	1					
24-1	1	129612-77260	NUT, ALTERNATOR	1	1	1					R
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
25	1	129410-77330	ADJUSTER	1	1						
25-1	1	129100-77330	ADJUSTER	1	1	1					N
	(A=E04636)	(B=E04520)									
26	1	26014-080252	BOLT, M8X 25	1	1	1					
26-1	1	119810-77340	BOLT, ADJUSTER	1	1	1					N
	(A=E06848)	(B=E06806)	(C=E00172)								
27	1	26106-080502	BOLT, M8X 50 PLATED	1	1	1					W
	(A=E04636)	(B=E04520)									

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

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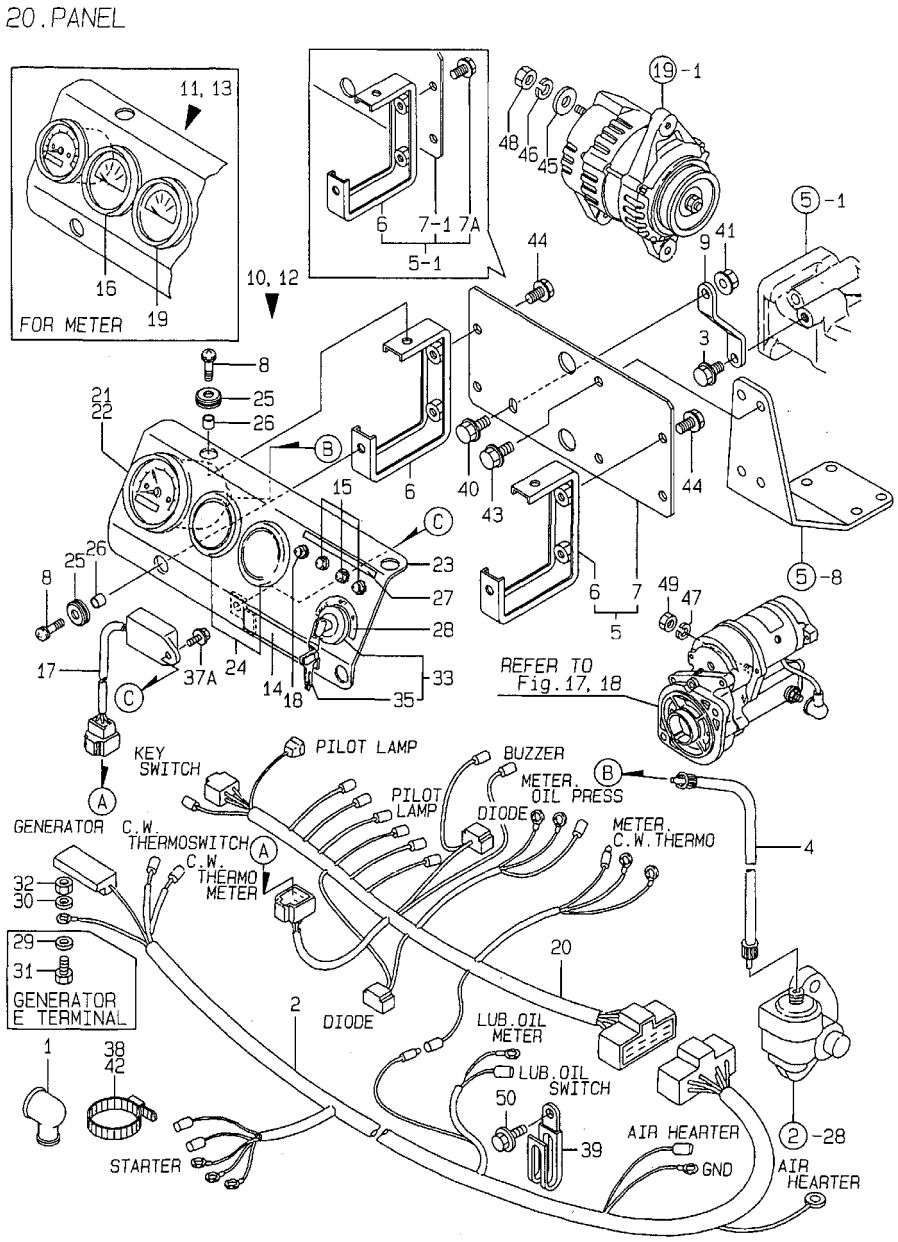
Fig.20. PANEL



Remarks
(1) WITH C.W.THERMOMETER(REF.NO.16, P/# 171010-77850) & PRESSURE GAUGE(REF.NO.19,P/# 171090-91010).

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	124550-77030	COVER, TERMINAL	1	1	1					
2	1	119888-91021	HARNESS (A), WIRE	1	1						
2-1	1	119888-91022	HARNESS, WIRE	1	1	1				N	
	(A=E03814)	(B=E02941)									
3	1	26106-080162	BOLT, M8X 16 PLATED	1							
4	1	121400-91140	SHAFT	1	1	1					
5	1	129608-91150	BRACKET ASSY	1	1	1					
5-1	1	129608-91151	BRACKET ASSY	1	1	1				N	
	(A=E05876)	(B=E05860)	(C=E00140)								
6	2	119888-91120	SUPPORT	2	2	2					
7	2	129608-91130	BRACKET, PANEL	1	1	1					
7-1	2	129608-91131	BRACKET, PANEL	1	1	1				N	
	(A=E05876)	(B=E05860)	(C=E00140)								
7A	2	26106-080122	BOLT, M8X 12 PLATED	4	4	4				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
8	1	26033-060202	SCREW M 6X 20	4	4	4					
9	1	129608-91140	RETAINER, PANEL	1	1	1					
10	1	119888-91101	PANEL ASSY	1							
11	1	119888-91201	PANEL ASSY	1							1
12	1	119888-91301	PANEL ASSY, INSTRUM		1	1					
13	1	119888-91311	PANEL ASSY		1	1					1
14	2	104507-07190	LABEL, YANMAR	1	1	1					
15	2	124732-77720	LAMP, CHARGING	3	3	3					
16	2	171010-77850	THERMOSTAT	1	1	1					
17	2	128300-77920	TIMER	1	1	1					
18	2	124559-77971	LAMP, PILOT	1	1	1					
19	2	171090-91010	GAUGE	1	1	1					
20	2	119888-91031	HARNESS, WIRE	1	1	1					
21	2	171080-91100	TACHOMETER	1							
22	2	171082-91100	TACHOMETER		1	1					
23	2	119888-91110	BODY, PANEL	1	1	1					
24	2	124770-91220	COVER	2	2	2					
25	2	121400-91520	ABSORBER	4	4	4					
26	2	121400-91530	SPACER	4	4	4					
27	2	119888-91610	LABEL, CW & OIL LAMP	1	1	1					
28	2	119888-91620	LABEL, KEY SWITCH	1	1	1					
29	2	22117-050000	WASHER, 5	1						Z	
	(A=EXXX)										
30	2	22117-050000	WASHER, 5	1						Z	
	(A=EXXX)										
31	2	26116-050102	BOLT, M5X 10 PLATED	1						Z	
	(A=EXXX)										
32	2	26716-050002	NUT, M5	1						Z	
	(A=EXXX)										
33	2	933110-00100	SWITCH ASSY, STARTER	1	1	1					
35	3	933110-00301	KEY ASSY	1	1	1					
37A	2	26106-060102	BOLT, M6X 10 PLATED	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
38	1	121750-59890	BAND, 140	1	1	1					
39	1	194180-51640	CLAMP, HARNESS	1	1	1					
40	1	26106-080162	BOLT, M8X 16 PLATED	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

++ CONTINUE ++

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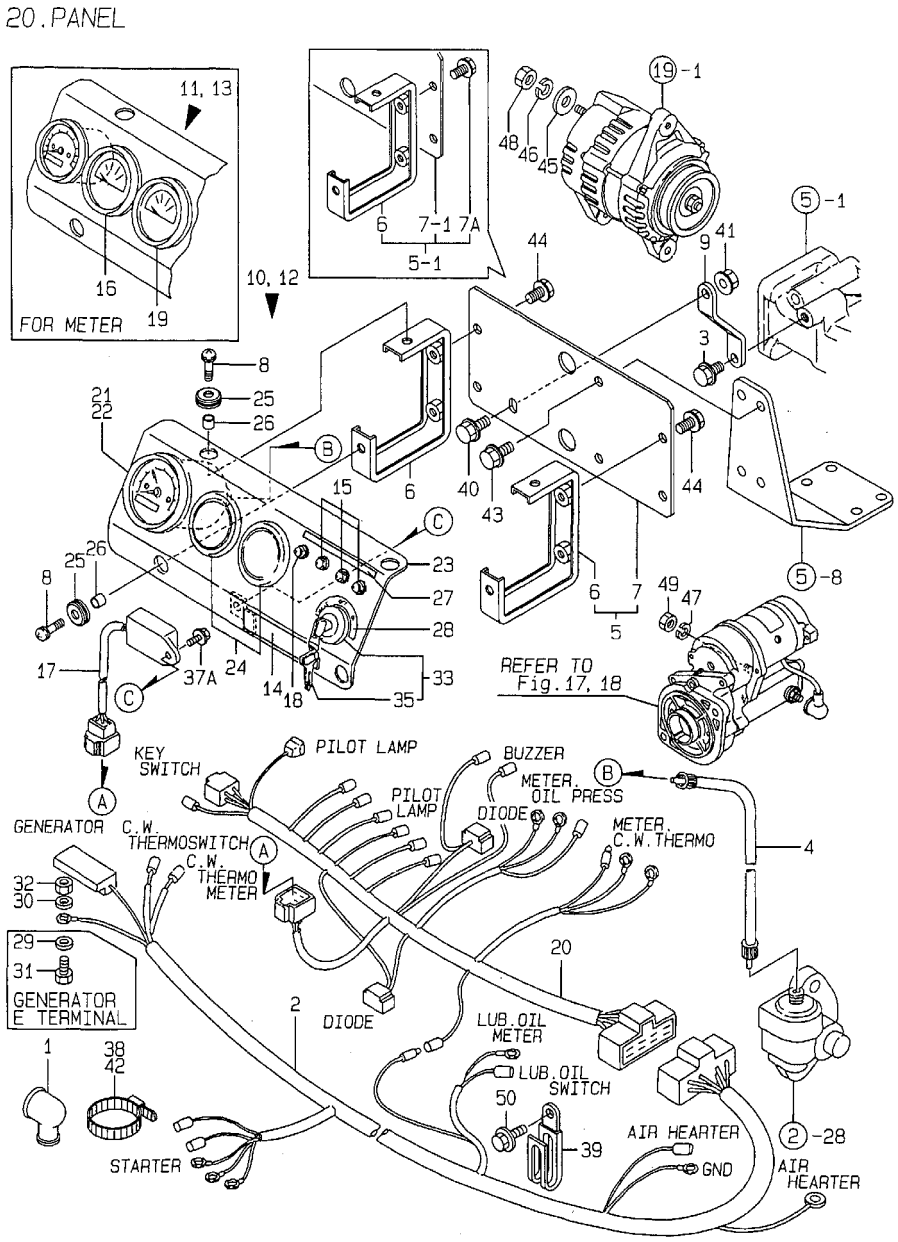
Fig.20. PANEL



Remarks
(1) WITH C.W.THERMOMETER(REF.NO.16, P/# 171010-77850) & PRESSURE GAUGE(REF.NO.19,P/# 171090-91010).

(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
41	1	26366-080002	NUT, M8	1							
41-1	1	26306-080002	NUT, M8	1						N	
	(A=EXXX)										
42	1	121750-59890	BAND, 140	1							
43	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2					
44	1	26033-060202	SCREW M 6X 20	4	4	4				Z	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
45	1	22117-050000	WASHER, 5	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
46	1	22217-050000	WASHER, SPRING 5	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
47	1	22217-080000	WASHER, SPRING 8	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
48	1	26716-050002	NUT, M5	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
49	1	26756-080002	NUT, LOCK M8	1	1	1				W	
	(A=EXXX)	(B=EXXX)	(C=EXXX)								
50	1	26106-100122	BOLT, M10X 12 PLATED	1						W	
	(A=EXXX)										

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

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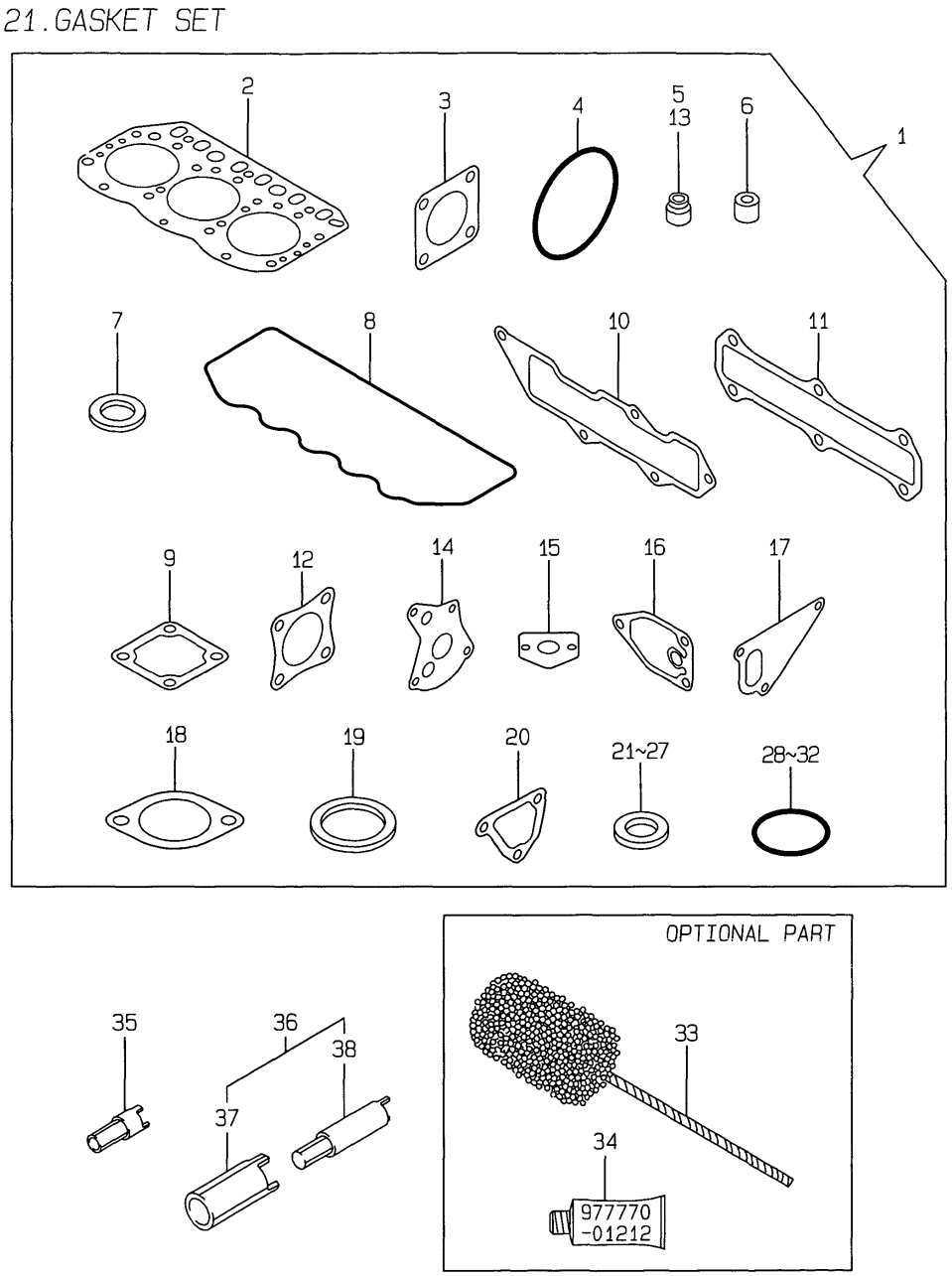
Fig.21. GASKET SET



(A)=3TNE88-SA (D)=
(B)=3TNE88-G1A (E)=
(C)=3TNE88C-G1A (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729209-92600	GASKET SET	1	1	1					1
2	2	129001-01340	GASKET, HEAD	1	1	1					
3	2	124240-01883	GASKET	1	1	1					
4	2	121850-51960	O-RING	1	1	1					
5	2	121400-11340	SEAL, VALVE STEM	3	3	3					
6	2	119625-11871	PROTECTOR, NOZZLE	3	3	3					
6-1	2	119625-11870	PROTECTOR, NOZZLE	3	3	3				N	
	(A=EXXX)		(B=EXXX) (C=EXXX)								
7	2	119625-11880	SEAT, NOZZLE	3	3	3					
8	2	129150-11310	GASKET, BONNET	1	1	1					
9	2	129150-77511	GASKET	1	1	1					
10	2	129001-12110	GASKET, MANIFOLD	1	1	1					
11	2	129001-13110	GASKET	1	1	1					
12	2	121000-13201	GASKET, SILENCER	1	1	1					
13	2	124460-11340	SEAL, VALVE STEM	3	3	3					
14	2	129150-32020	GASKET, PUMP	1	1	1					
15	2	129150-35041	GASKET	1	1	1					
16	2	129150-35111	GASKET	1	1	1					
17	2	129100-42020	GASKET, WATER PUMP	1	1	1					
18	2	129795-49551	GASKET	1	1	1					
19	2	129150-49811	GASKET, THERMOSTAT	1	1	1					
20	2	129100-49840	GASKET	1	1	1					
21	2	104200-59170	GASKET, 12	2	2	2					
21-1	2	22190-120002	WASHER, SEAL 12	2	2	2				N	
	(A=E04833)		(B=E04704) (C=E00103)								
22	2	22190-080002	WASHER, SEAL 6	5	5	5					
23	2	129150-49360	GASKET	1	1	1					
24	2	23414-120000	GASKET, 12X1.0	2	2	2					
25	2	124465-44950	GASKET, 16	2	2	2					
26	2	23414-080000	GASKET, 8X1.0	2	2	2					
26-1	2	22190-080002	WASHER, SEAL 6	2	2	2				N	
	(A=EXXX)		(B=EXXX) (C=EXXX)								
27	2	23414-100000	GASKET, 10X1.0	2	2	2					
28	2	24311-000120	O-RING, 1AP12.0	3	3	3					
29	2	24311-000160	O-RING, 1AP16.0	3	3	3					
30	2	24311-000320	O-RING, 1AP32.0	2	2	2					
31	2	24341-000240	O-RING, 1AS24.0	1	1	1					
32	2	24341-000500	O-RING, 1AS50.0	1	1	1					
33	1	129400-92430	HONE	1	1	1					1
34	1	977770-01212	GASKET, LIQUID	1	1	1					1
35	1	119621-99100	TOOL, CARB IDLE			1				W	
			(C=EXXX)								
36	1	119621-99400	BOX, TOOL			1				W	
			(C=EXXX)								
37	2	119621-99200	TOOL, CARB A			1				W	
			(C=EXXX)								
38	2	119621-99300	TOOL, CARB B			1				W	
			(C=EXXX)								

Remarks
(1) OPTIONAL PART.

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

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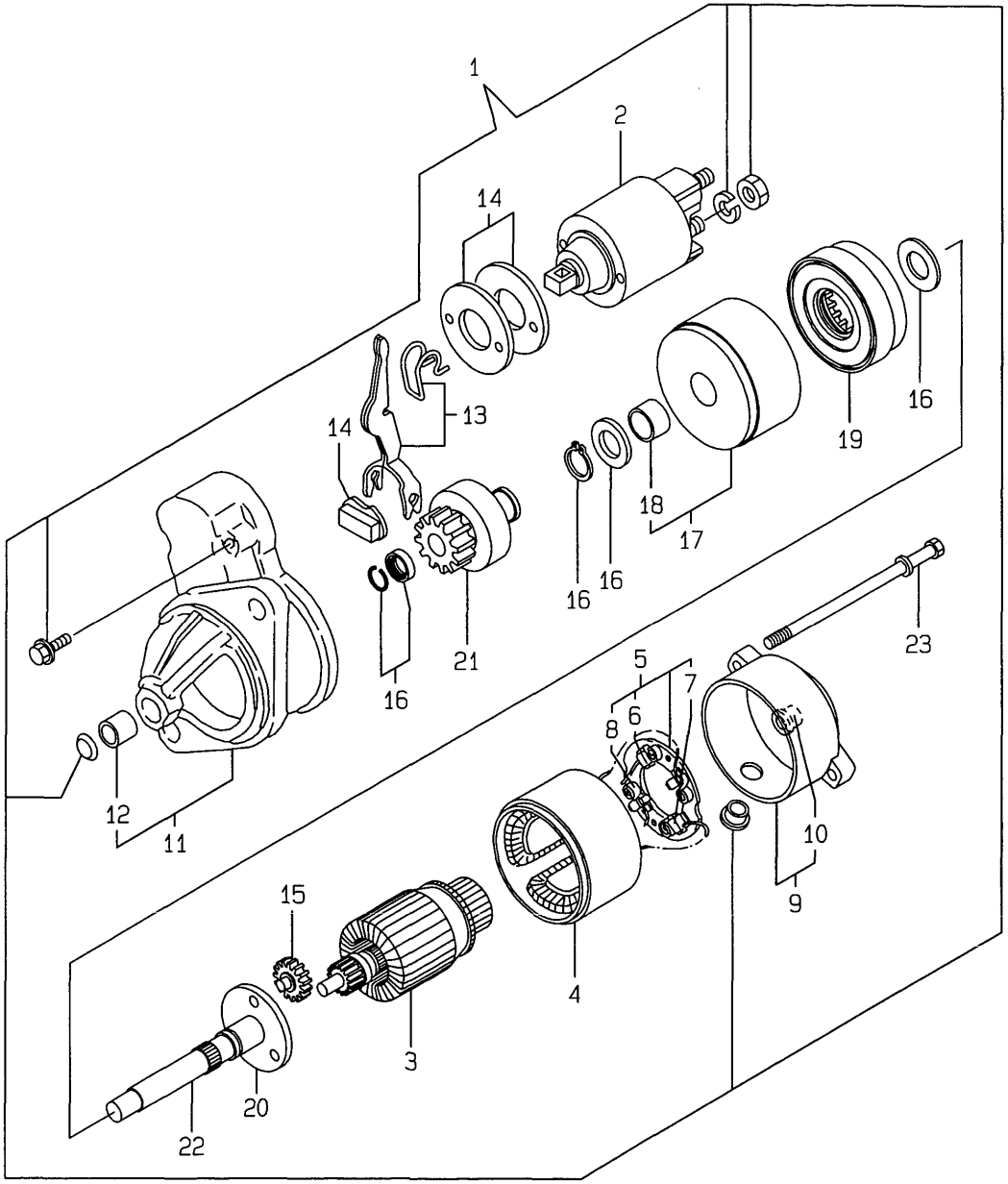
Fig.22. STARTING MOTOR

(A)=3TNE88-SA
(B)=3TNE88-G1A
(C)=3TNE88C-G1A
(D)=
(E)=
(F)=

22.STARTING MOTOR(COLD DISTICT) (INNER PART)



No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129608-77010	STARTER, S114-817A	1							
2	2	129698-77020	SWITCH ASSY	1							
3	2	129698-77100	ARMATURE ASSY	1							
4	2	129608-77110	YOKE ASSY	1							
5	2	129698-77120	HOLDER ASSY, BRUSH	1							
6	3	129698-77140	BRUSH SET	1							
7	3	129698-77130	BRUSH	2							
8	3	129698-77150	SPRING, BRUSH	4							
9	2	129698-77160	COVER ASSY	1							
10	3	129698-77170	BEARING	1							
11	2	129698-77260	CASE ASSY	1							
12	3	X2114535200	METAL, STARTER	1							
13	2	129698-77270	LEVER SET, SHIFT	1							
14	2	129698-77280	COVER KIT	1							
15	2	129698-77240	GEAR	3							
16	2	129698-77250	WASHER SET	1							
17	2	129698-77180	BRACKET	1							
18	3	129698-77190	BRACKET	1							
19	2	129698-77200	GEAR, INTERNAL	1							
20	2	129698-77210	BRACKET	1							
21	2	129698-77220	PINION ASSY	1							
22	2	129698-77230	SHAFT	1							
23	2	124195-77770	BOLT, THROUGH	2							

Remarks
USED FROM E06848.

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

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Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	15	18
103854-39140	15	17
104200-55321	15	2
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26921-050122	16	21
27231-500000	1	12
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27241-300000	1	14
27241-400000	4	17
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719810-01500	2	1
719810-53100	14	2
729001-01560	1	1
729102-01540	3	13
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