

OCR10-M78600EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-BDSA03 engine manufactured since March, 2009.
2. Each illustration corresponds to the parts list on the following page.
3. 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.

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	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1	N
		(A=E00185) (B=E00200)							
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9	
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4	K
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)							
4	2	129470-51040	CAMSHAFT	1	1	1	1	1	
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2	
6	2	129470-51060	RETAINER	1	1	1	1	1	

Remarks

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

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

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

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

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

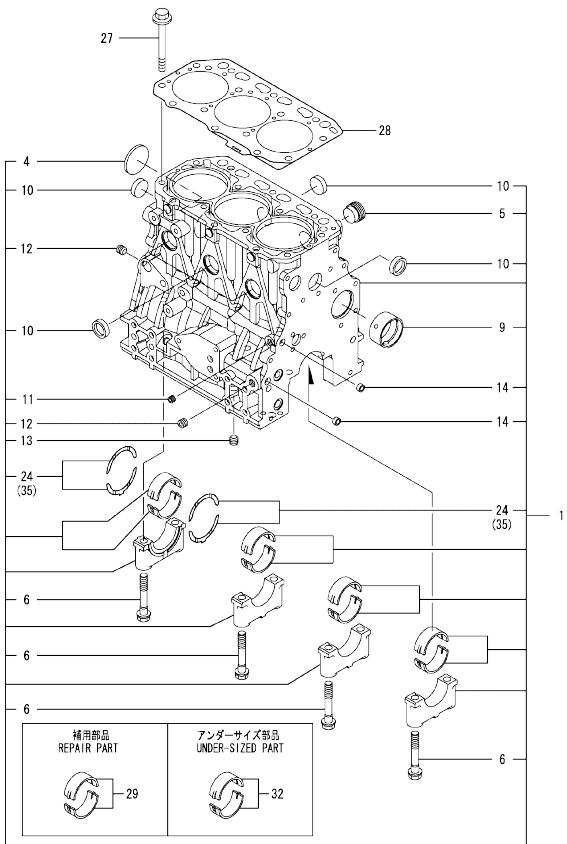
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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OCR10-M78600

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3TNV88-BDSA03			
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2.	GEAR HOUSING		
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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 LINE		
16.	ENGINE CONTROL DEVICE		
17.	STARTING MOTOR		
18.	GENERATOR		
19.	ELECTRIC PARTS		
20.	GASKET SET		

Fig.1. CYLINDER BLOCK



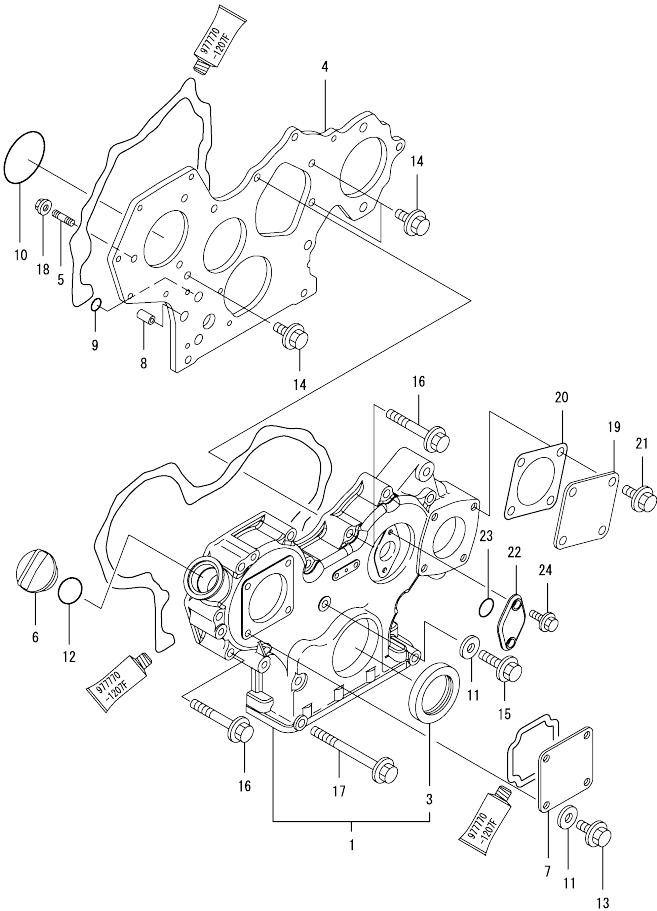
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
4	2	129001-01250	PLUG, 50	1							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	129150-02020	BOLT, METAL CAP	8							
9	2	129795-02412	BUSH, CAMSHAFT	1							
10	2	27241-300000	PLUG 30	6							
11	2	124060-01050	PLUG, PT1/8	1							
12	2	124160-01910	PLUG, PT1/4	2							
13	2	124160-01910	PLUG, PT1/4	1							
14	2	27241-120000	PLUG, 12	2							
24	2	129150-02931	BEARING, THRUST	2							
27	1	129150-01200	BOLT, HEAD	14							
28	1	129001-01340	GASKET, HEAD	1							
29	1	129001-02931	BEARING, MAIN	4							1
32	1	129150-02871	BEARING, 0.25 US	4							2
35	1	129150-02941	BEARING, THRUST 0.25	1							3

Fig.2. GEAR HOUSING

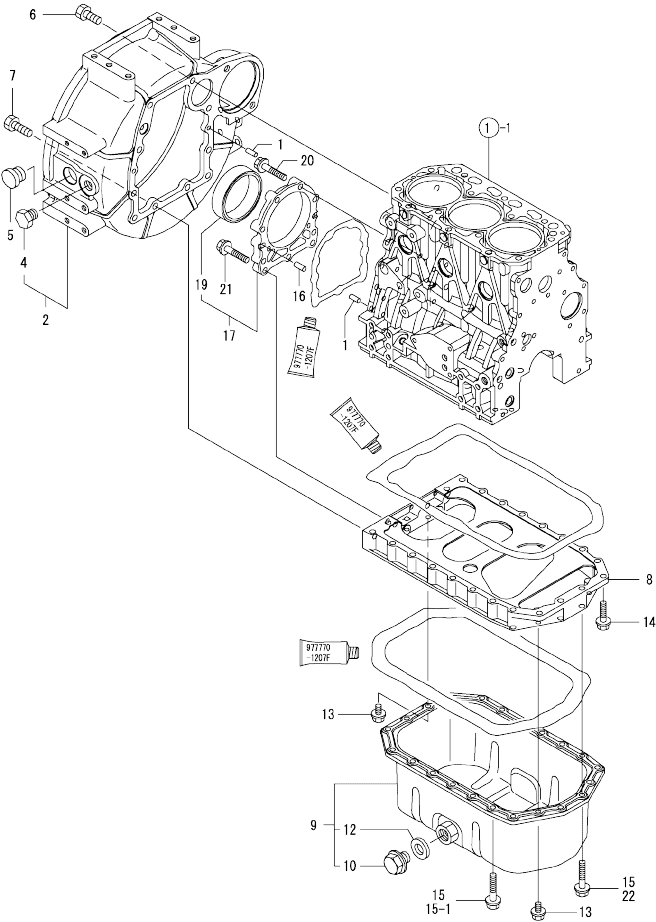


(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729652-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	129604-01520	FLANGE, GEAR CASE	1							
5	1	119802-01561	STUD, M8X25	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	129795-01950	PIPE, KNOCK L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	121850-51960	O-RING	1							
11	1	22190-080002	WASHER, SEAL 6	5							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	4							
14	1	26106-080162	BOLT, M8X 16 PLATED	3							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	10							
17	1	26106-080852	BOLT, M8X 85 PLATED	3							
18	1	26306-080002	NUT, M8	3							
19	1	124240-01871	COVER	1							
20	1	124240-01883	GASKET	1							
21	1	26106-080162	BOLT, M8X 16 PLATED	4							
22	1	121023-01551	COVER	1							
23	1	24341-000240	O-RING, 1AS24.0	1							
24	1	26106-060162	BOLT, M6X 16 PLATED	2							

Fig.3. FLYWHEEL HOUSING & OIL SUMP

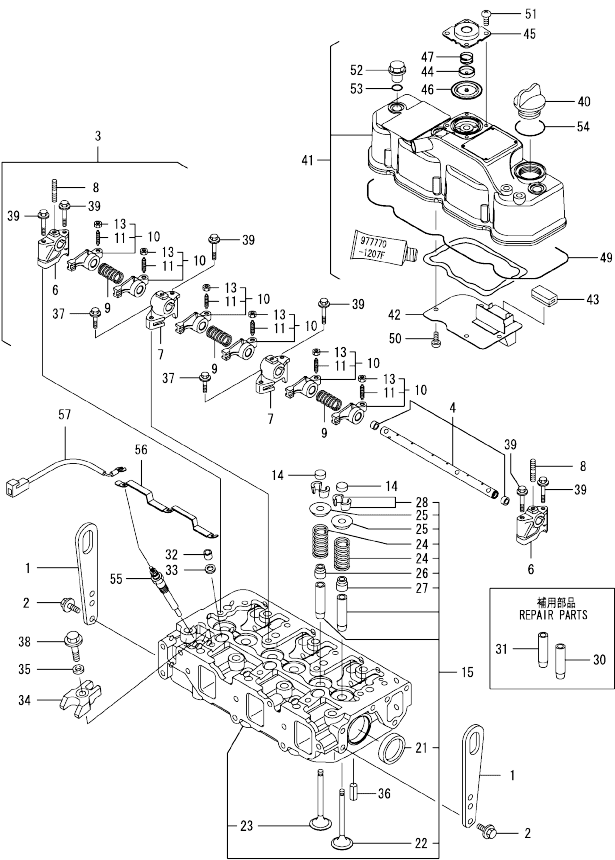


(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	119888-01601	HOUSING, FLYWHEEL	1							
4	2	129486-35210	PLUG, 3/4-16UNF	1							
5	1	119620-01750	CAP	1							
6	1	26206-100252	BOLT, M10X 25 PLATED	6							
7	1	26206-100302	BOLT, M10X 30 PLATED	4							
8	1	129100-01730	SPACER, OIL SUMP	1							
9	1	129100-01760	SUMP ASSY, OIL	1							
10	2	119640-01640	PLUG, DRAIN M22	1							
12	2	22190-220002	WASHER, SEAL 22	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	4							
14	1	26106-080252	BOLT, M8X 25 PLATED	2							
15	1	26106-080452	BOLT, M8X 45 PLATED	20							
15-1	1	26106-080452	BOLT, M8X 45 PLATED	16							K
(A=FROM 1ST)											
16	1	129100-01580	PIN, M8X16	2							
17	1	129100-01640	CASE ASSY, OIL SEAL	1							
19	2	129795-01780	SEAL, OIL	1							
20	1	129486-01670	BOLT, M8X30	6							
21	1	26106-080352	BOLT, M8X 35 PLATED	3							
22	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

Fig.4. CYLINDER HEAD & BONNET

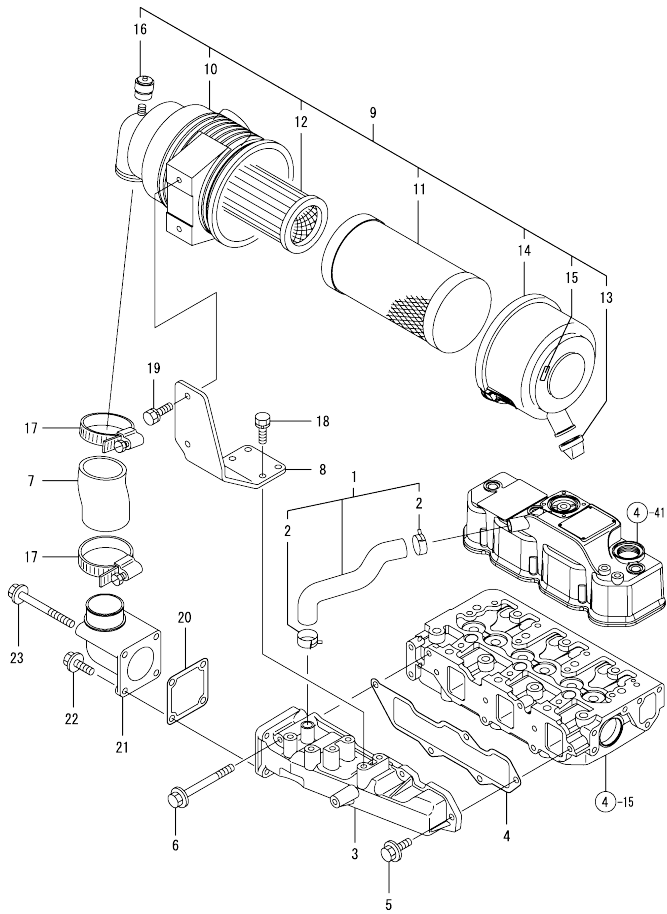


Remarks
(1) REPAIR PART.

(A)=3TNV88-BDSA03
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	129004-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129008-11710	HEAD ASSY, CYLINDER	1							
21	2	27241-400000	PLUG, 40	2							
22	2	129005-11100	VALVE, INTAKE	3							
23	2	129100-11112	VALVE, EXHAUST	3							
24	2	129795-11120	SPRING, VALVE	6							
25	2	129795-11180	RETAINER, SPRING	6							
26	2	121400-11340	SEAL, VALVE STEM	3							
27	2	124460-11340	SEAL, VALVE STEM	3							
28	2	27310-080001	COTTER, 8	6							
30	1	120130-11860	GUIDE, VALVE	3							1
31	1	129150-11810	GUIDE, VALVE	3							1
32	1	119802-11870	PROTECTOR, NOZZLE	3							
33	1	119625-11880	SEAT, NOZZLE	3							
34	1	129004-11900	RETAINER, NOZZLE	3							
35	1	120270-54410	WASHER, INJECTOR	3							
36	1	22351-060012	PIN, SPRING 6.0X12	2							
37	1	26106-080252	BOLT, M8X 25 PLATED	2							
38	1	26106-080352	BOLT, M8X 35 PLATED	3							
39	1	26106-080502	BOLT, M8X 50 PLATED	6							
40	1	124160-01751	COVER, FILLER	1							
41	1	129004-11350	BONNET ASSY, HEAD	1							
42	2	129004-03010	PLATE	1							
43	2	129150-03070	BAFFLE, BREATHER	1							
44	2	119802-03110	PLATE	1							
45	2	119802-03121	COVER, DIAPHRAGM	1							
46	2	119802-03130	DIAPHRAGM	1							
47	2	119802-03141	SPRING, DIAPHRAGM	1							
49	2	129004-11310	GASKET, BONNET	1							
50	2	22857-500100	SCREW, 5X10	4							
51	2	22857-500100	SCREW, 5X10	4							
52	1	124160-11360	KNOB	3							
53	1	24311-000120	O-RING, 1AP12.0	3							
54	1	24311-000320	O-RING, 1AP32.0	1							
55	1	129008-77800	PLUG, GLOW	3							
56	1	129008-77820	CONNECTOR, GLOW PLUG	1							
57	1	119803-77830	HARNES, WIRE	1							

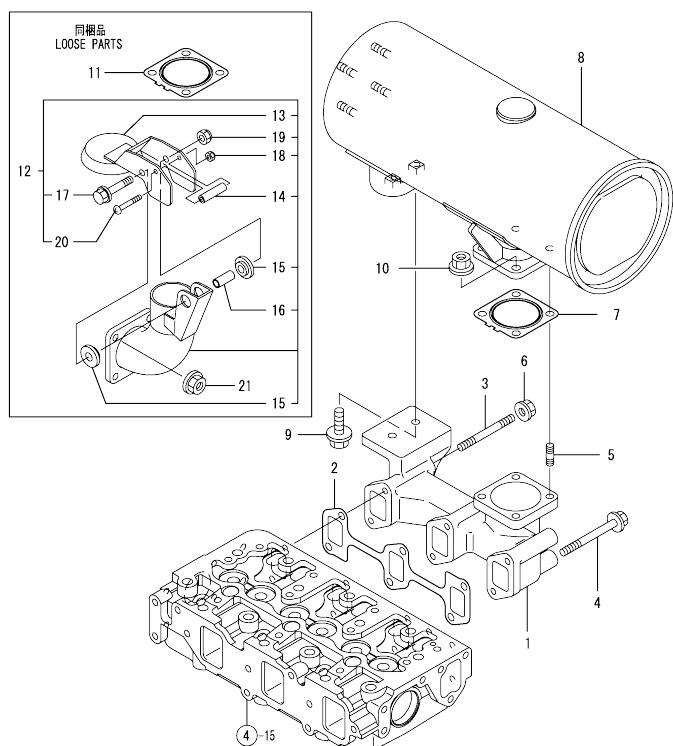
Fig.5. SUCTION MANIFOLD & AIR CLEANER



(A)=3TNV88-BDSA03
(B)=
(C)=

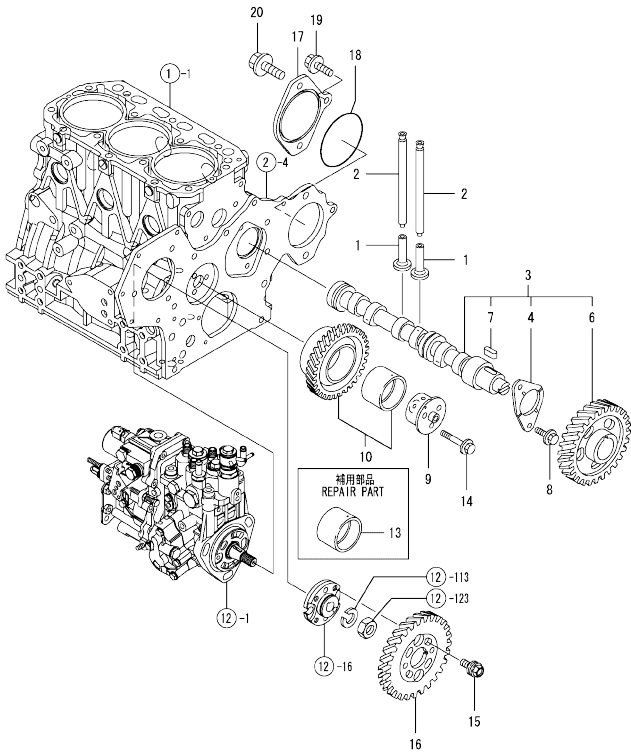
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-03080	PIPE , BREATHER	1							
2	2	129410-03990	CLIP	2							
3	1	129004-12101	MANIFOLD, AIR INTAKE	1							
4	1	129001-12110	GASKET, MANIFOLD	1							
5	1	26106-080202	BOLT, M8X 20 PLATED	4							
6	1	26106-080802	BOLT, M8X 80 PLATED	1							
7	1	119910-12210	PIPE, AIR INTAKE	1							
8	1	119802-12560	BRACKET, AIR CLEANER	1							
9	1	119910-12601	CLEANER ASSY, AIR	1							
10	2	119910-12510	BODY, AIR CLEANER	1							
11	2	119808-12520	ELEMENT	1							
12	2	129051-12530	ELEMENT	1							
13	2	119808-12540	VALVE, UNLOADER	1							
14	2	119866-12541	COVER ASSY	1							
15	2	129612-12650	LABEL, MARKING	1							
16	2	126650-12680	INDICATOR	1							
17	1	23000-060000	CLAMP, 60	2							
18	1	26013-080222	BOLT, M8X 22	4							
19	1	26013-080222	BOLT, M8X 22	2							
20	1	129150-77511	GASKET	1							
21	1	119803-77520	BEND, AIR HEATER	1							
22	1	26106-080202	BOLT, M8X 20 PLATED	2							
23	1	26106-080802	BOLT, M8X 80 PLATED	2							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-13109	MANIFOLD, EXHAUST	1							
2	1	129150-13110	GASKET	1							
3	1	123900-13610	STUD, M8X80	2							
4	1	123900-13630	BOLT, M8X80	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	129004-13200	GASKET, SILENCER	1							
8	1	129004-13500	SILENCER	1							
9	1	26106-080252	BOLT, M8X 25 PLATED	2							
10	1	26306-080002	NUT, M8	4							
11	1	129004-13200	GASKET, SILENCER	1							
12	1	129005-13600	PIPE ASSY, TAIL	1							
13	2	119358-13640	CAP, RAIN	1							
14	2	121855-13821	SPACER, A	1							
15	2	121855-13830	SPACER, B	2							
16	2	123500-13840	SPACER, C	1							
17	2	26106-060402	BOLT, M6X 40 PLATED	1							
18	2	26347-040002	NUT, M4	1							
19	2	26347-060002	NUT, M6	1							
20	2	26557-040352	SCREW, M4X35	1							
21	1	26306-080002	NUT, M8	4							

Fig.7. CAMSHAFT & DRIVING GEAR



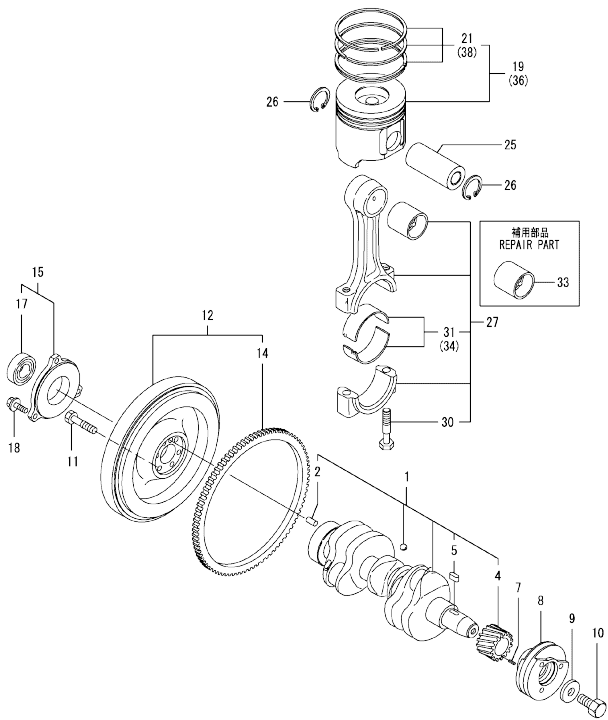
Remarks
(1) REPAIR PART.

(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH L=178	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129150-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	26106-080142	BOLT, M8X 14 PLATED	2							
9	1	119803-25050	SHAFT, IDLE	1							
10	1	119802-25101	GEAR ASSY, IDLE	1							
13	1	119802-25071	BUSH, IDLE GEAR	1							1
14	1	26106-080402	BOLT, M8X 40 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119802-25901	GEAR, PUMP	1							
17	1	129430-26070	COVER	1							
18	1	24321-000800	O-RING, 1AG80.0	1							
19	1	26106-080252	BOLT, M8X 25 PLATED	1							
20	1	26106-100302	BOLT, M10X 30 PLATED	2							

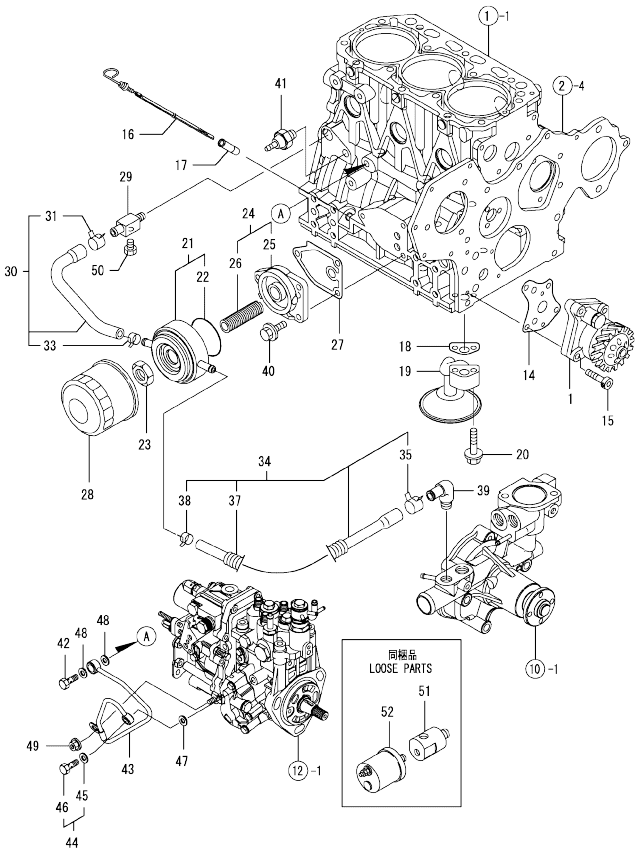
Fig.8. CRANKSHAFT & PISTON



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

											OCR10-M78600		Fig.8					
											(A)=3TNV88-BDSA03		(D)=					
											(B)=		(E)=					
											(C)=		(F)=					
											Q'ty						I	R
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)									
1	1	129008-21000	CRANKSHAFT ASSY	1														
2	2	129100-01580	PIN, M8X16	1														
4	2	119803-21200	GEAR, CRANKSHAFT	1														
5	2	22512-070140	KEY, 7X 14	1														
7	1	22351-030010	PIN, SPRING 3.0X10	1														
8	1	129004-21650	V-PULLEY, 110	1														
9	1	129795-21661	WASHER	1														
10	1	121850-21680	BOLT	1														
11	1	121111-21501	BOLT, FLYWHEEL	6														
12	1	129188-21590	FLYWHEEL ASSY	1														
14	2	119865-21600	GEAR, RING	1														
15	1	119888-21450	RETAINER, BEARING	1														
17	2	24104-062054	BEARING, BALL 6205UU	1														
18	1	26106-080222	BOLT, M8X 22 PLATED	3														
19	1	129005-22080	PISTON ASSY	3														
21	2	129005-22500	RING SET, PISTON	3														
25	1	129202-22300	PIN, PISTON D26 L70	3														
26	1	22252-000260	RING, 26	6														
27	1	729402-23100	ROD ASSY, CONNECTING	3														
30	2	121550-23200	BOLT, CONNECTING ROD	6														
31	2	129150-23601	BEARING, CRANK PIN	3														
33	1	129100-23910	BEARING, PISTON PIN	3									1					
34	1	129150-23611	BEARING, 0.25 US	3									2					
36	1	129005-22900	PISTON ASSY, 0.25 OS	3									3					
38	2	129005-22950	RING SET, 0.25 OS	3									3					

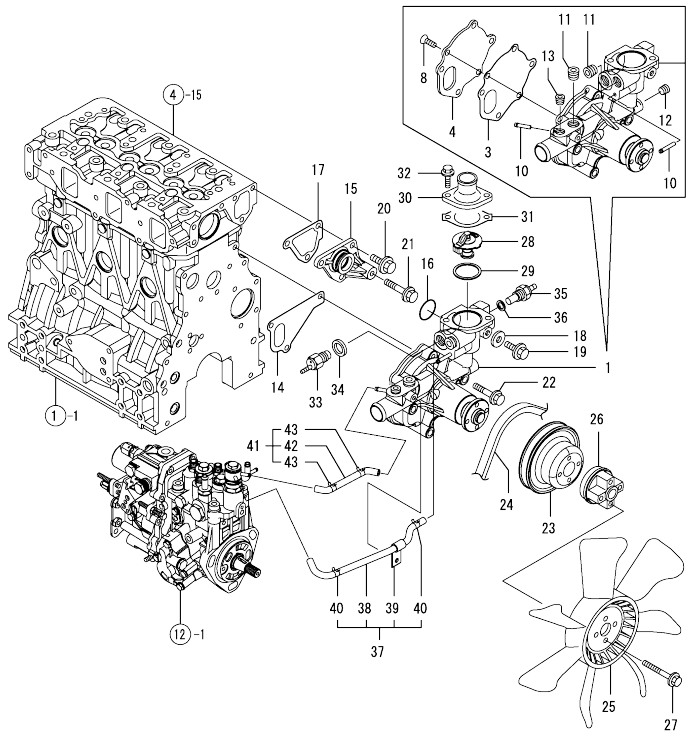
OCR10-M78600 3TNV88-BDSA03
Fig.9. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

OCR10-M78600 Fig.9									
(A)=3TNV88-BDSA03									
(D)=									
(E)=									
(F)=									
Q'ty									
I R									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	129001-32001	PUMP ASSY, OIL	1					
14	1	129150-32020	GASKET, PUMP	1					
15	1	26450-060252	BOLT, M6X 25	4					
16	1	129004-34802	DIPSTICK, OIL	1					
17	1	121520-34810	GUIDE, DIPSTICK	1					
18	1	129150-35042	GASKET	1					
19	1	129100-35301	PIPE ASSY, OIL INLET	1					
20	1	26106-080352	BOLT, M8X 35 PLATED	2					
21	1	129508-33010	COOLER ASSY, OIL	1					
22	2	129508-33050	O-RING	1					
23	1	129417-33110	NUT	1					
24	1	129006-35100	BRACKET ASSY, FILTER	1					
25	2	119802-35110	BRACKET, FILTER	1					
26	2	129417-35150	STUD, L=67	1					
27	1	129150-35111	GASKET	1					
28	1	129150-35170	FILTER, LO	1					1
29	1	129006-44480	JOINT	1					
30	1	129508-49030	PIPE ASSY, WATER	1					
31	2	171008-03990	CLIP, HOSE 18.5	1					
33	2	23080-015000	CLAMP, 15	1					
34	1	129006-49040	PIPE ASSY, WATER	1					
35	2	171008-03990	CLIP, HOSE 18.5	1					
37	2	129642-49180	TUBE, CORRUGATED	1					
38	2	23080-015000	CLAMP, 15	1					
39	1	129103-49301	ELBOW, PT1/4	1					
40	1	26106-080202	BOLT, M8X 20 PLATED	3					
41	1	114250-39450	SWITCH, 0.5KG	1					
42	1	124160-39140	BOLT, PIPE JOINT M10	1					
43	1	119802-39450	PIPE ASSY, OIL	1					
44	1	129005-59830	BOLT ASSY, JOINT M8	1					
45	2	22190-080002	WASHER, SEAL 6	1					
46	2	23857-030000	BOLT, JOINT 3	1					
47	1	22190-080002	WASHER, SEAL 6	1					
48	1	22190-100002	WASHER, SEAL 10	2					
49	1	26366-060002	NUT, M6	1					
50	1	171056-49120	PLUG, DRAIN	1					
51	1	171375-39601	DAMPER, 1/8	1					
52	1	119773-91501	SENSOR	1					

Fig.10. COOLING WATER SYSTEM



(A)=3TNV88-BDSA03
(B)=
(C)=

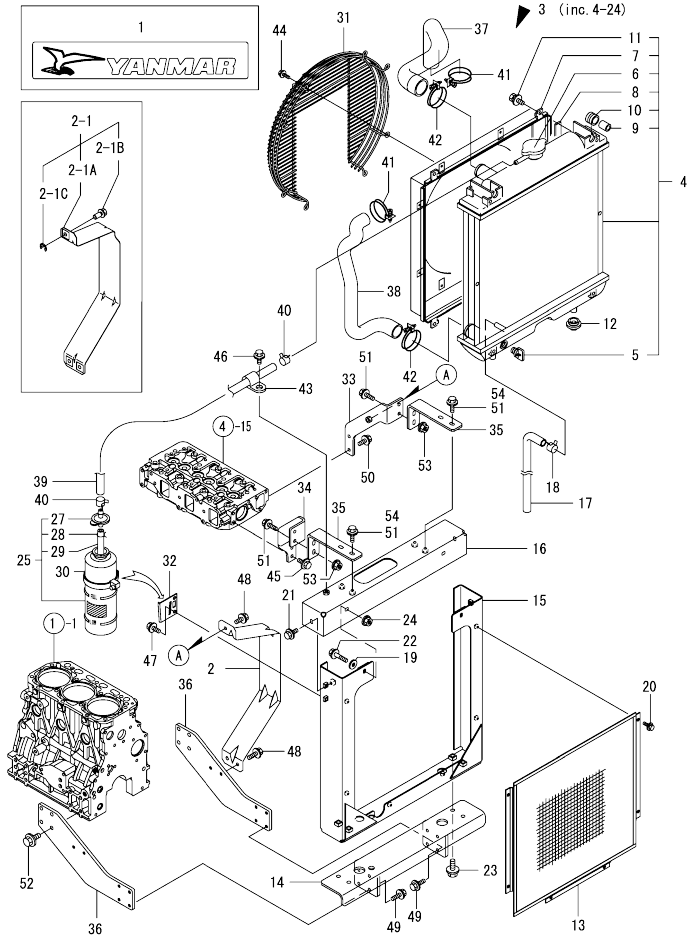
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
10	2	119802-49113	JOINT, PIPE	2							
11	2	129916-49740	PLUG, R03	2							
12	2	23876-010000	PLUG, R01	1							
13	2	23876-020000	PLUG, R02	1							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET	1							
18	1	23414-080000	GASKET, 8X1.0	1							
19	1	26106-080122	BOLT, M8X 12 PLATED	1							
20	1	26106-080162	BOLT, M8X 16 PLATED	3							
21	1	26106-080452	BOLT, M8X 45 PLATED	1							
22	1	26106-080602	BOLT, M8X 60 PLATED	3							
23	1	129403-42380	V-PULLEY, D=110	1							
24	1	119865-42290	V-BELT, A36.5	1							
24-1	1	25152-003600	V-BELT, A36	1							N
(A=EXXXXXX)											
25	1	121267-44741	FAN, COOLING D=360	1							
26	1	129030-44760	SPACER, FAN L38.5	1							
27	1	26106-060502	BOLT, M6X 50 PLATED	4							
28	1	129155-49801	THERMOSTAT, 71	1							
29	1	129150-49811	GASKET, THERMOSTAT	1							
30	1	129350-49530	COVER, THERMOSTAT	1							
31	1	129795-49551	GASKET	1							
32	1	26106-080222	BOLT, M8X 22 PLATED	2							
33	1	121250-44901	SWITCH, 110	1							
34	1	124465-44950	GASKET, 16	1							
35	1	124250-49351	SENSOR	1							
36	1	129150-49360	GASKET	1							
37	1	129004-49610	PIPE ASSY, WATER	1							
38	2	129004-49711	PIPE ASSY, WATER	1							
39	2	119802-49730	RETAINER, PIPE	1							
40	2	124722-59050	CLIP, HOSE 9	2							
41	1	129004-49620	PIPE ASSY, WATER	1							
42	2	129004-49721	PIPE ASSY, WATER	1							
43	2	124722-59050	CLIP, HOSE 9	2							

Fig.11. RADIATOR

(A)=3TNV88-BDSA03
(B)=
(C)=

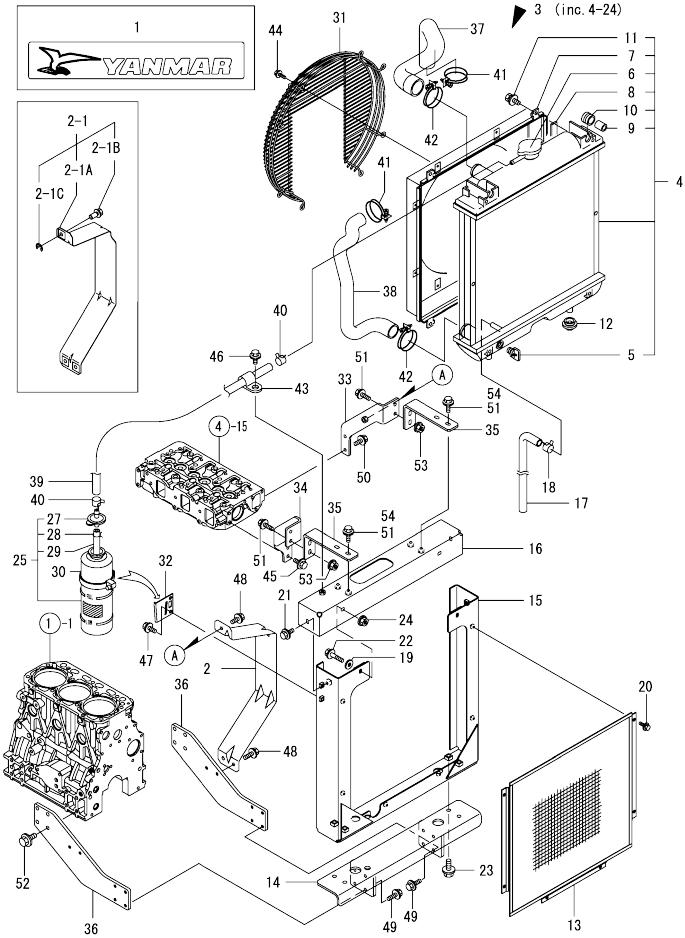
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129247-07001	LABEL, YANMAR	1							
2	1	129247-42800	COVER	1							
2-1	1	129247-42810	COVER CMP,V-BELT	1						N	
(A=EXXXXX)											
2-1A	2	129247-42801	COVER,V-BELT	1						W	
(A=EXXXXX)											
2-1B	2	119746-42820	SCREW,V-BELT COVER	3						W	
(A=EXXXXX)											
2-1C	2	22276-000060	RING, E- 6	3						W	
(A=EXXXXX)											
3	1	129247-44500	RADIATOR ASSY	1							
4	2	129044-44500	RADIATOR ASSY	1							
5	3	129508-44550	COCK ASSY	1							
6	3	129107-44590	CAP, RADIATOR	1							
7	3	129044-44600	SHROUD	1							
8	3	129601-44610	GASKET	2							
9	3	118400-44670	COLLAR	2							
10	3	118400-44720	MOUNT, RUBBER	2							
11	3	26014-060122	BOLT, M6X 12	4							
12	2	119255-44660	ABSORBER	2							
13	2	129247-44800	SCREEN, RADIATOR	1							
14	2	129247-44960	BRACKET, RADIATOR	1							
15	2	129247-44970	BRACKET, RADIATOR	1							
16	2	129247-44980	BRACKET, RADIATOR	1							
17	2	121520-49160	PIPE, WATER DRAIN	1							
18	2	124766-59050	CLIP, HOSE 12	1							
19	2	22117-080000	WASHER, 8	2							
20	2	26106-060162	BOLT, M6X 16 PLATED	6							
21	2	26106-080162	BOLT, M8X 16 PLATED	2							
22	2	26106-080352	BOLT, M8X 35 PLATED	2							
23	2	26106-100202	BOLT, M10X 20 PLATED	4							
24	2	26366-080002	NUT, M8	2							
25	1	124450-44510	TANK ASSY, SUB	1							
27	2	124450-44530	CAP	1							
28	2	124450-44560	RETAINER	1							
29	2	23061-070230	PIPE, 7X 230	1							
30	1	124450-44550	BAND	1							
31	1	129601-44560	GUARD	1							
32	1	121256-44600	BRACKET, SUB TANK	1							
33	1	129247-44910	STAY, MUFFLER	1							
34	1	129247-44920	STAY, MUFFLER	1							
35	1	129247-44930	STAY, MUFFLER	2							
36	1	129247-44950	BRACKET, RADIATOR	2							
37	1	129602-49010	PIPE, WATER	1							
38	1	129612-49040	PIPE, WATER	1							
39	1	170004-49160	PIPE ASSY, DRAIN	1							
40	1	124766-59050	CLIP, HOSE 12	2							
41	1	23010-038000	CLAMP, 38	2							
42	1	23010-044000	CLAMP, 44	2							
43	1	23297-120081	CLAMP, A12X 8	1							
44	1	26106-060162	BOLT, M6X 16 PLATED	8							

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.11. RADIATOR

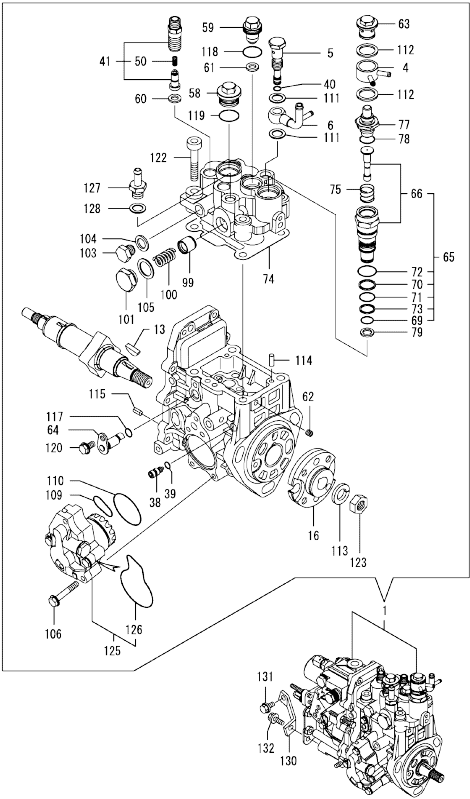


(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
45	1	26106-080162	BOLT, M8X 16 PLATED	2							
46	1	26106-080162	BOLT, M8X 16 PLATED	1							
47	1	26106-080162	BOLT, M8X 16 PLATED	2							
48	1	26106-080162	BOLT, M8X 16 PLATED	3							Z
(A=EXXXXX)											
49	1	26106-080202	BOLT, M8X 20 PLATED	8							
50	1	26106-080202	BOLT, M8X 20 PLATED	2							
51	1	26106-080202	BOLT, M8X 20 PLATED	8							
51-1	1	26106-080202	BOLT, M8X 20 PLATED	4							K
(A=EZZZZZ)											
52	1	26106-100202	BOLT, M10X 20 PLATED	8							
53	1	26306-080002	NUT, M8	4							
54	1	26106-080162	BOLT, M8X 16 PLATED	4							W
(A=EZZZZZ)											

Fig.12. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.13) IS INCORPORATED IN THIS FUEL INJECTION PUMP.(REF.NO.1).
(2) REF.NO.1-1 & FIG.NO.14 REF.NO.1-1 INTERCHANGEABLE BY SET.

OCR10-M78600 Fig.12									
(A)=3TNV88-BDSA03									
(D)=									
(E)=									
(F)=									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	729285-51341	PUMP ASSY, INJECTION	1					1
1-1	1	729285-51400	PUMP ASSY, INJECTION	1					S 2
(A=E, A8428)									
4	2	158553-51551	JOINT	1					
5	2	158601-51650	JOINT, OVER FLOW	1					
6	2	158552-51670	JOINT, OVER FLOW	1					
13	2	119802-51090	KEY, 4X16	1					
16	2	158552-51151	FLANGE	1					
38	2	158600-51270	STOPPER, TAPPET	1					
39	2	158563-51281	O-RING, 4D S6	1					
40	2	158563-51281	O-RING, 4D S6	1					
41	2	129008-51390	VALVE ASSY, DELIVERY	3					
50	3	158563-51330	SPRING, DELIVERY	3					
58	2	158601-51550	PLUG	1					
59	2	119802-51560	PLUG, BARREL	1					
60	2	158552-51571	GASKET	3					
61	2	158552-51571	GASKET	1					
62	2	158557-51570	PLUG	1					
63	2	158601-51570	PLUG	1					
64	2	158552-51580	LIFTER	1					
65	2	119802-51590	TIMER SET	1					
66	3	119802-51600	TIMER ASSY	1					
69	3	158553-51670	O-RING, 1011	1					
70	3	119802-51680	RING, BACK UP	1					
71	3	119802-51690	O-RING	1					
72	3	24356-010200	O-RING, 4D1020	1					
73	3	24372-000150	RING, BACK UP T2P15	1					
74	2	158552-51600	GASKET	1					
75	2	158553-51630	SPRING, TIMER	1					
77	2	158553-51650	ELEMENT	1					
78	2	158553-51660	O-RING, P14	1					
79	2	158553-51680	GASKET	1					
99	2	158601-51770	PISTON	1					
100	2	158552-51781	SPRING	1					
101	2	158601-51790	PLUG	1					
103	2	158553-51930	PLUG, M12	1					
104	2	22190-120002	WASHER, SEAL 12	1					
105	2	22190-180002	WASHER, SEAL 18	1					
106	2	158553-51770	BOLT	4					
109	2	158552-52310	O-RING	1					
110	2	158552-52400	O-RING, 4E S42	1					
111	2	22190-120002	WASHER, SEAL 12	2					
112	2	22190-180002	WASHER, SEAL 18	2					
113	2	22217-140000	WASHER, SPRING 14	1					
114	2	22312-050140	PIN, PARALLEL M5X14	2					
115	2	22351-050010	PIN, SPRING 5.0X10	2					
117	2	24311-000070	O-RING, 1AP7.0	1					
118	2	24356-010180	O-RING, 4D1018	1					
119	2	24356-010200	O-RING, 4D1020	1					
120	2	26106-060102	BOLT, M6X 10 PLATED	1					
122	2	26450-080452	BOLT, M8X 45	4					

N:Old

→

New

Q:Old

→

New

R:Old

→

New

S:Old

→

New

W:Add

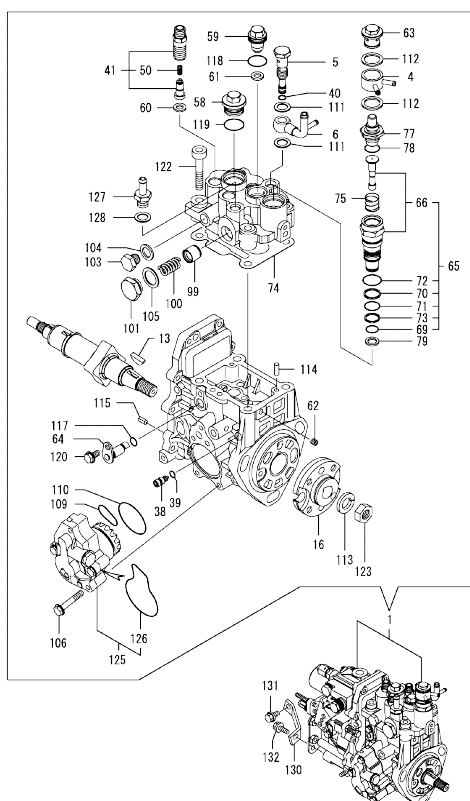
Z:Discontinued

F:Interchangeable by set

K:Q'ty Change

++ CONTINUE ++

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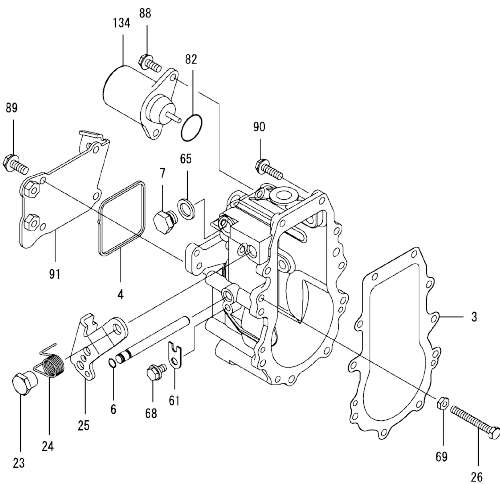


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
123	2	26776-140002	NUT, LOCK M14	1							
125	2	158552-52100	PUMP ASSY, FUEL FEED	1							
126	3	158552-52500	O-RING	1							
127	2	119934-59910	JOINT, PIPE	1							
128	2	22190-120002	WASHER, SEAL 12	1							
130	1	119802-51250	RETAINER, PUMP	1							
131	1	26106-080162	BOLT, M8X 16 PLATED	1							
132	1	26106-080202	BOLT, M8X 20 PLATED	1							

Remarks
(1) GOVERNOR ASSY(FIG.13) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).
(2) REF.NO.1-1 & FIG.NO.14 REF.NO.1-1
INTERCHANGEABLE BY SET.

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

Fig.13. GOVERNOR

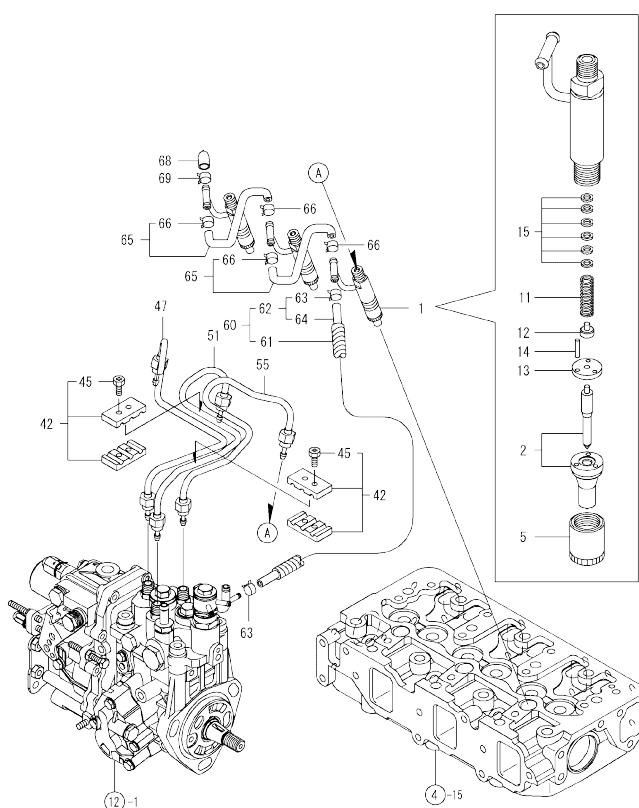


Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.12).

(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1							
4	2	158553-61070	GASKET	1							
6	2	129155-51280	O-RING, S6	1							
7	2	158553-51930	PLUG, M12	1							
23	2	129255-61410	NUT, LOCK	1							
24	2	119807-61420	SPRING, RETURN	1							
25	2	158552-61441	LEVER, REGULATOR	1							
26	2	129155-61460	BOLT, IDLE	1							
61	2	119660-61901	RETAINER, SHAFT	1							
65	2	22190-120002	WASHER, SEAL 12	1							
68	2	26106-060102	BOLT, M6X 10 PLATED	1							
69	2	26756-060002	NUT, LOCK M6	1							
82	2	158552-61900	O-RING	1							
88	2	26106-060142	BOLT, M6X 14 PLATED	2							
89	2	26106-060142	BOLT, M6X 14 PLATED	4							
90	2	26106-060202	BOLT, M6X 20 PLATED	10							
91	2	158552-61061	COVER, GOVERNOR CASE	1							
134	2	119653-77950	SOLENOID, STOP	1							

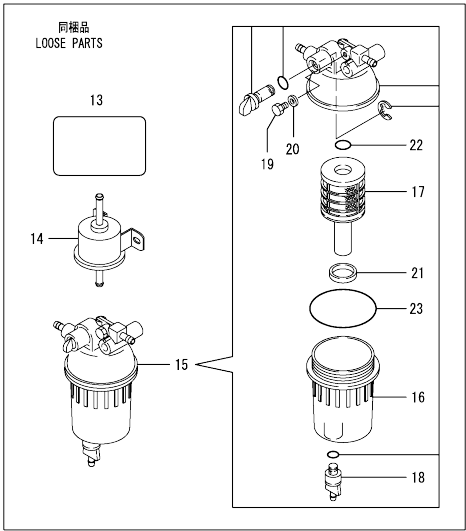
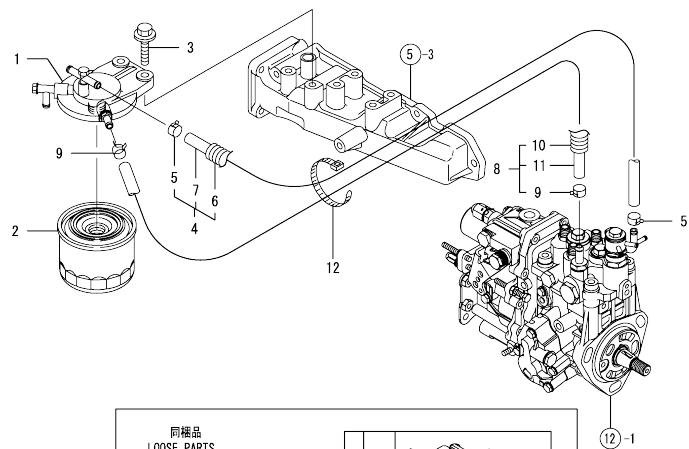


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729604-53200	VALVE ASSY,INJECTION	3							
1-1		729604-53400	VALVE ASSY,INJECTION	3						S	1
		(A=E, A8428)									
2	2	129604-53000	VALVE ASSY,INJECTION	3							
2-1		129604-53300	VALVE ASSY,INJECTION	3						S	
		(A=E, A8428)									
5	2	114250-53080	NUT, NOZZLE D16.95	3							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	PLATE	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							
42	1	129150-59120	RETAINER, PIPE	2							
45	2	129150-59131	BOLT, M4X14	4							
47	1	129004-59811	PIPE ASSY, INJECTION	1							
51	1	129004-59821	PIPE ASSY, INJECTION	1							
55	1	129004-59831	PIPE ASSY, INJECTION	1							
60	1	129263-59550	PIPE ASSY, RETURN	1							
61	2	129486-59320	TUBE, CORRUGATED	1							
62	2	119802-59550	PIPE ASSY, RETURN	1							
63	3	124722-59050	CLIP, HOSE 9	2							
64	3	119802-59560	PIPE, FUEL RETURN	1							
65	1	129486-59551	PIPE ASSY, RETURN	2							
66	2	124722-59050	CLIP, HOSE 9	4							
68	1	119593-59581	CAP	1							
69	1	124060-77680	CLIP, HOSE 10	1							

Remarks
(1) REF.NO.1-1 & FIG.NO.12 REF.NO.1-1
INTERCHANGEABLE BY SET.

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.15. FUEL LINE

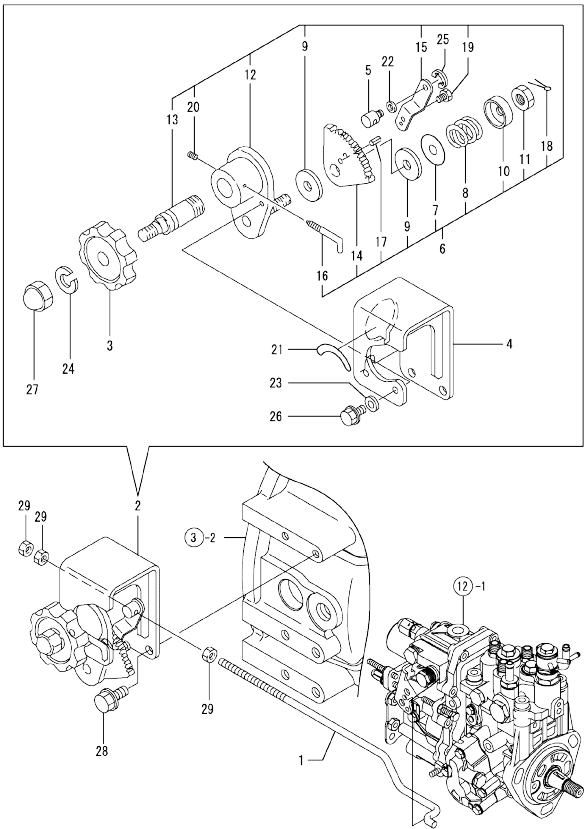


(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55810	FILTER,FO	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129044-59010	PIPE, D13/7.5X220	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129044-59100	TUBE, CORRUGATED	1							
7	2	129044-59510	PIPE, FUEL 220	1							
8	1	129950-59311	PIPE, FUEL	1							
9	2	124766-59050	CLIP, HOSE 12	2							
10	2	129961-59110	TUBE, CORRUGATED	1							
11	2	105025-59580	PIPE, FUEL	1							
12	1	121750-59890	BAND, 140	1							
13	1	114110-07760	LABEL, FUEL CAUTION	1							
14	1	119225-52102	PUMP ASSY, FUEL FEED	1							
15	1	129242-55700	SEPARATOR ASSY	1							
16	2	129242-55720	CUP	1							
17	2	129242-55730	ELEMENT	1							
18	2	129242-55740	PLUG, DRAIN	1							
19	2	129242-55750	VALVE, AIR VENT	1							
20	2	129242-55760	GASKET	1							
21	2	129242-55770	FLOAT	1							
22	2	24311-000160	O-RING, 1AP16.0	1							
23	2	24321-000750	O-RING, 1AG75.0	1							

Fig.16. ENGINE CONTROL DEVICE

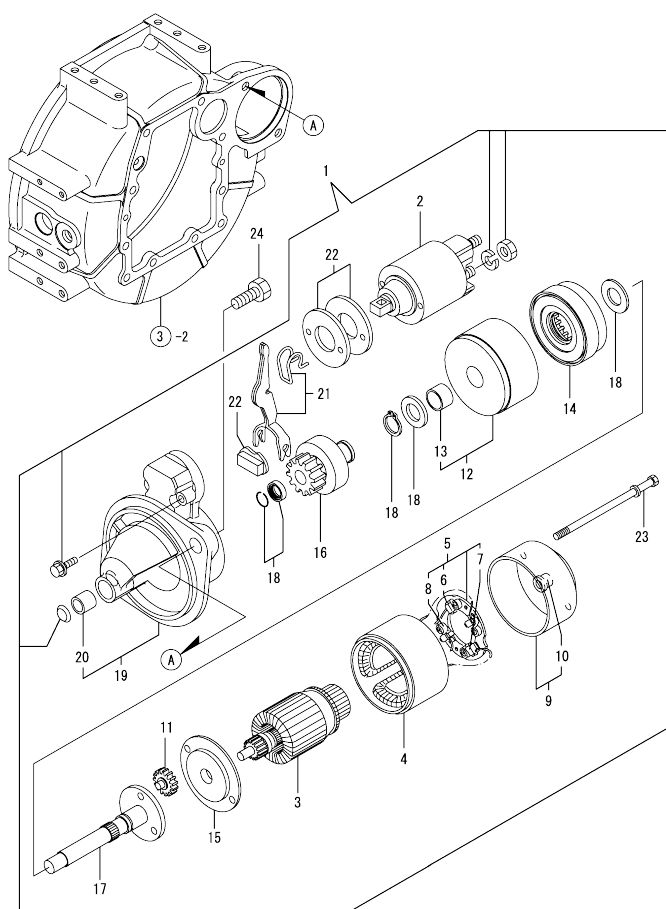


Remarks
* THIS FIGURE(ENGINE CONTROL DEVICE)
ASSY)IS OPTIONAL PART.

(A)=3TNV88-BDSA03
(B)=
(C)=

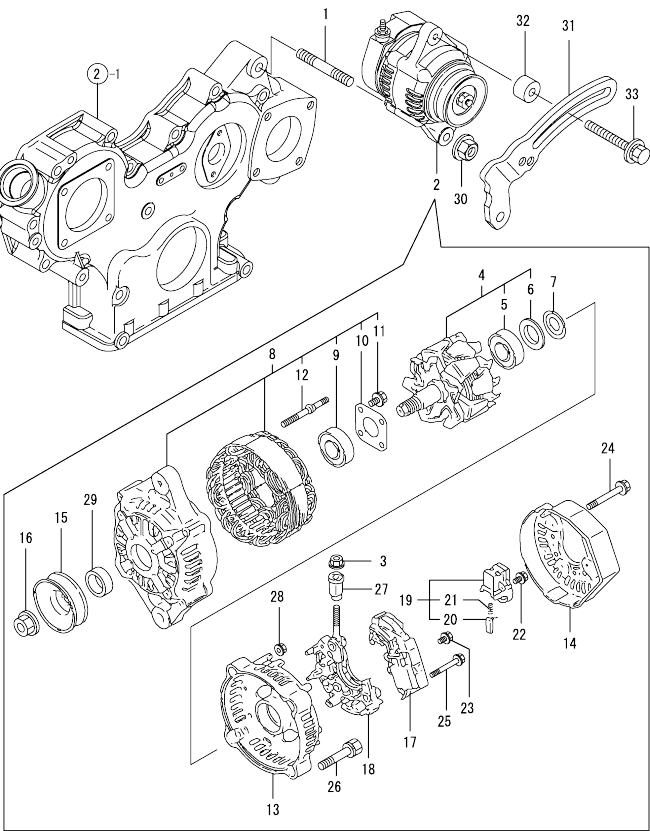
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129247-66120	LINK, ENGINE CONTROL	1							
2	1	119888-66161	CONTROLLER ASSY	1							
3	2	126650-66020	HANDLE, REGULATOR	1							
4	2	119888-66111	BRACKET	1							
5	2	119888-66130	PIVOT	1							
6	2	171048-67010	CONTROLLER ASSY	1							
7	3	171102-66080	WASHER	1							
8	3	104200-66820	SPRING	1							
9	3	104200-66831	PLATE, FRICTION	2							
10	3	104200-66850	WASHER	1							
11	3	104200-66860	NUT	1							
12	3	171085-67100	BRACKET	1							
13	3	171085-67110	SHAFT, DRIVE	1							
14	3	171085-67120	GEAR	1							
15	3	171048-67130	LEVER	1							
16	3	171048-67140	STOPPER	1							
17	3	22351-020006	PIN, SPRING 2.0X 6	1							
18	3	22411-200150	COTTER PIN	1							
19	3	26116-060082	BOLT, M6X 8 PLATED	1							
20	3	26921-050122	SCREW, M5X12	1							
21	2	170064-67210	LABEL, HANDLE	1							
22	2	22117-060000	WASHER, 6	1							
23	2	22137-100000	WASHER, 10	1							
24	2	22217-100000	WASHER, SPRING 10	1							
25	2	22272-000050	RING, E- 5	1							
26	2	26106-060102	BOLT, M6X 10 PLATED	2							
27	2	26657-100002	NUT, CAP M10	1							
28	1	26106-080162	BOLT, M8X 16 PLATED	2							
29	1	26756-050002	NUT, LOCK M5	3							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129242-77010	STARTER	1							
2	2	129698-77020	SWITCH ASSY	1							
3	2	129242-77100	ARMATURE ASSY	1							
4	2	129242-77110	YOKE ASSY	1							
5	2	129242-77120	HOLDER ASSY, BRUSH	1							
6	3	129242-77130	BRUSH	2							
7	3	129242-77140	BRUSH SET	1							
8	3	129242-77150	SPRING	4							
9	2	129242-77160	COVER ASSY	1							
10	3	129242-77170	METAL	1							
11	2	118400-77170	GEAR	3							
12	2	129242-77180	BRACKET	1							
13	3	129698-77190	BRACKET	1							
14	2	129698-77200	GEAR, INTERNAL	1							
15	2	129242-77210	BRACKET	1							
16	2	129698-77220	PINION ASSY	1							
17	2	129698-77230	SHAFT	1							
18	2	129698-77250	WASHER SET	1							
19	2	129242-77260	CASE ASSY	1							
20	3	X2114535200	METAL, STARTER	1							
21	2	129242-77270	LEVER SET	1							
22	2	129242-77280	COVER ASSY, DUST	1							
23	2	124195-77770	BOLT, THROUGH	2							
24	1	26116-120202	BOLT, M12X 20 PLATED	2							

Fig.18. GENERATOR

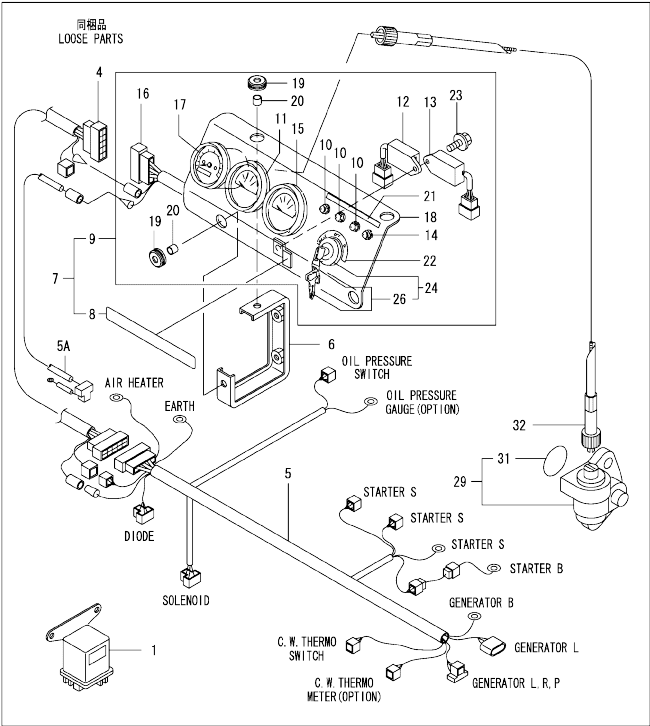


(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	119620-79240	BEARING, BALL	1							
6	3	119620-79250	COVER	1							
7	2	119620-79360	WASHER, THRUST	1							
8	2	119620-77421	FRAME ASSY, DRIVE	1							
9	3	119620-79200	BEARING, BALL	1							
10	3	119620-79210	PLATE, RETAINER	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	STUD	2							
13	2	119620-77440	FRAME ASSY	1							
14	2	129240-79300	COVER	1							
15	2	119620-77461	PULLEY	1							
16	2	119620-77471	NUT	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	119620-79260	HOLDER	1							
19	2	119620-79270	HOLDER, BRUSH	1							
20	3	119620-77480	BRUSH ASSY	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	1							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	BUSH, INSULATION	1							
28	2	119620-79350	NUT	2							
29	2	119620-77490	COLLAR	1							
30	1	26306-100002	NUT, M10	1							
31	1	129064-77330	ADJUSTER	1							
32	1	129067-77340	SPACER	1							
33	1	129972-77341	BOLT, ADJUSTER L=50	1							

Fig.19. ELECTRIC PARTS

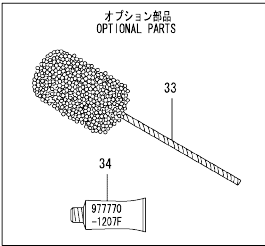
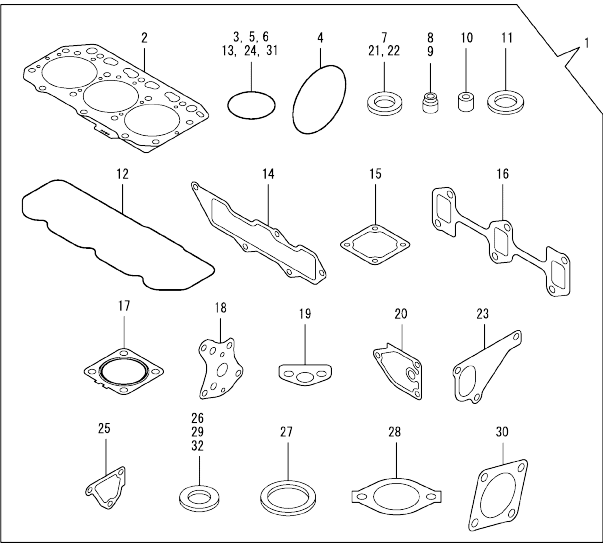


(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119650-77910	RELAY ASSY, GLOW	1							
4	1	119946-91010	CORD, EXTENSION	1							
5	1	119888-91027	HARNESS, WIRE	1							
5A	1	119946-91020	CORD, EXTENSION	1							W
(A=EZZZZZ)											
6	1	119888-91120	SUPPORT	2							
7	1	119888-91202	PANEL ASSY	1							
8	2	104507-07190	LABEL, YANMAR	1							
9	2	119888-91221	PANEL ASSY	1							
10	3	124732-77720	LAMP, CHARGING	3							
11	3	171010-77850	THERMOSTAT	1							
12	3	128300-77920	TIMER	1							
13	3	129211-77920	TIMER	1							
14	3	124559-77971	LAMP, PILOT	1							
15	3	171090-91010	GAUGE	1							
16	3	119888-91032	HARNESS, WIRE	1							
17	3	171080-91101	TACHOMETER	1							
18	3	119888-91110	BODY, PANEL	1							
19	3	121400-91520	ABSORBER	4							
20	3	121400-91530	SPACER	4							
21	3	119888-91610	LABEL, CW & OIL LAMP	1							
22	3	119888-91620	LABEL, KEY SWITCH	1							
23	3	26106-060102	BOLT, M6X 10 PLATED	1							
24	3	933110-00100	SWITCH ASSY, STARTER	1							
26	4	933110-00301	KEY ASSY	1							
29	1	129150-91400	GEAR	1							
31	2	24341-000240	O-RING, 1AS24.0	1							
32	1	124737-91420	CABLE, TACHOMETER	1							

Fig.20. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=3TNV88-BDSA03
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-92940	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	119609-32040	O-RING, P16	2							
4	2	121850-51960	O-RING	1							
5	2	24311-000320	O-RING, 1AP32.0	2							
6	2	24341-000240	O-RING, 1AS24.0	1							
7	2	22190-220002	WASHER, SEAL 22	1							
8	2	121400-11340	SEAL, VALVE STEM	3							
9	2	124460-11340	SEAL, VALVE STEM	3							
10	2	119802-11870	PROTECTOR, NOZZLE	3							
11	2	119625-11880	SEAT, NOZZLE	3							
12	2	129004-11310	GASKET, BONNET	1							
13	2	24311-000120	O-RING, 1AP12.0	3							
14	2	129001-12110	GASKET, MANIFOLD	1							
15	2	129150-77511	GASKET	1							
16	2	129150-13110	GASKET	1							
17	2	129004-13200	GASKET, SILENCER	2							
18	2	129150-32020	GASKET, PUMP	1							
19	2	129150-35042	GASKET	1							
20	2	129150-35111	GASKET	1							
21	2	22190-080002	WASHER, SEAL 6	7							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	129486-42021	GASKET, WATER PUMP	1							
24	2	129486-42140	O-RING, G30	1							
25	2	124395-49840	GASKET	1							
26	2	23414-080000	GASKET, 8X1.0	1							
27	2	129150-49811	GASKET, THERMOSTAT	1							
28	2	129795-49551	GASKET	1							
29	2	124465-44950	GASKET, 16	1							
30	2	124240-01883	GASKET	1							
31	2	24321-000800	O-RING, 1AG80.0	1							
32	2	129150-49360	GASKET	1							
33	1	129400-92430	HONE	1							1
34	1	977770-1207F	GASKET, LIQUID	1							1

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104200-66820	16	8
104200-66831	16	9
104200-66850	16	10
104200-66860	16	11
104507-07190	19	8
105025-59580	15	11
114110-07760	15	13
114250-39450	9	41
114250-53080	14	5
114250-53120	14	11
114250-53130	14	12
114250-53140	14	13
114250-53210	14	14
118400-44670	11	9
118400-44720	11	10
118400-77170	17	11
119131-18320	6	5
119225-52102	15	14
119255-44660	11	12
119358-13640	6	13
119593-59581	14	68
119609-32040	2	9
	20	3
119620-01750	3	5
119620-77380	18	4
119620-77421	18	8
119620-77440	18	13
119620-77461	18	15
119620-77471	18	16
119620-77480	18	20
119620-77490	18	29
119620-79200	18	9
119620-79210	18	10
119620-79220	18	11
119620-79230	18	12
119620-79240	18	5
119620-79250	18	6
119620-79260	18	18
119620-79270	18	19
119620-79280	18	21
119620-79290	18	22
119620-79300	18	23
119620-79310	18	24
119620-79320	18	25
119620-79330	18	26
119620-79340	18	27
119620-79350	18	28
119620-79360	18	7
119625-11880	4	33
	20	11

Parts No.	Fig. No.	Ref. No.
119640-01640	3	10
119650-77910	19	1
119653-77950	13	134
119660-61901	13	61
119746-42820	11	2 -1B
119773-91501	9	52
119802-01561	2	5
119802-03110	4	44
119802-03121	4	45
119802-03130	4	46
119802-03141	4	47
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	32
	20	10
119802-12560	5	8
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-35110	9	25
119802-39450	9	43
119802-49113	10	10
119802-49730	10	39
119802-51090	12	13
119802-51250	12	130
119802-51560	12	59
119802-51590	12	65
119802-51600	12	66
119802-51680	12	70
119802-51690	12	71
119802-55810	15	2
119802-59550	14	62
119802-59560	14	64
119803-21200	8	4
119803-25050	7	9
119803-53400	14	15
119803-77520	5	21
119803-77830	4	57
119807-61420	13	24
119808-12520	5	11
119808-12540	5	13
119865-21600	8	14
119865-42290	10	24
119866-12541	5	14
119888-01601	3	2
119888-21450	8	15
119888-66111	16	4
119888-66130	16	5
119888-66161	16	2

Parts No.	Fig. No.	Ref. No.
119888-91027	19	5
119888-91032	19	16
119888-91110	19	18
119888-91120	19	6
119888-91202	19	7
119888-91221	19	9
119888-91610	19	21
119888-91620	19	22
119910-12210	5	7
119910-12510	5	10
119910-12601	5	9
119934-01800	2	3
119934-59910	12	127
119946-91010	19	4
119946-91020	19	5 A
120130-11860	4	30
120270-54410	4	35
121023-01551	2	22
121111-21501	8	11
121250-44901	10	33
121256-44600	11	32
121267-44741	10	25
121400-11340	4	26
	20	8
121400-91520	19	19
121400-91530	19	20
121520-34810	9	17
121520-49160	11	17
121550-23200	8	30
121750-59890	15	12
121850-21680	8	10
121850-42410	10	8
121850-51960	2	10
	20	4
121855-13821	6	14
121855-13830	6	15
123500-13840	6	16
123900-13610	6	3
123900-13630	6	4
124060-01050	1	11
124060-77680	14	69
124160-01751	2	6
	4	40
124160-01910	1	12
		13
124160-11360	4	52
124160-39140	9	42
124195-77770	17	23
124240-01871	2	7
	19	

Parts No.	Fig. No.	Ref. No.
124240-01883	2	20
	20	30
124250-49351	10	35
124395-49840	10	17
	20	25
124450-44510	11	25
124450-44530	11	27
124450-44550	11	30
124450-44560	11	28
124460-11340	4	27
	20	9
124465-44950	10	34
	20	29
124559-77971	19	14
124722-59050	10	40
		43
	14	63
		66
124732-77720	19	10
124737-91420	19	32
124766-59050	11	18
		40
	15	5
		9
126650-12680	5	16
126650-66020	16	3
128300-77920	19	12
129001-01250	1	4
129001-01340	1	28
	20	2
129001-02931	1	29
129001-12110	5	4
	20	14
129001-32001	9	1
129004-03010	4	42
129004-03080	5	1
129004-11241	4	3
129004-11251	4	4
129004-11310	4	49
	20	12
129004-11350	4	41
129004-11650	4	10
129004-11900	4	34
129004-12101	5	3
129004-13109	6	1
129004-13200	6	7
		11
	20	17
129004-13500	6	8
129004-21650	8	8

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Parts No.	Fig. No.	Ref. No.
129004-34802	9	16
129004-42001	10	1
129004-42040	10	15
129004-49610	10	37
129004-49620	10	41
129004-49711	10	38
129004-49721	10	42
129004-55612	15	1
129004-59811	14	47
129004-59821	14	51
129004-59831	14	55
129005-11100	4	22
129005-13600	6	12
129005-22080	8	19
129005-22500	8	21
129005-22900	8	36
129005-22950	8	38
129005-59830	9	44
129006-35100	9	24
129006-44480	9	29
129006-49040	9	34
129008-11710	4	15
129008-21000	8	1
129008-51390	12	41
129008-77800	4	55
129008-77820	4	56
129030-44760	10	26
129044-44500	11	4
129044-44600	11	7
129044-59010	15	4
129044-59100	15	6
129044-59510	15	7
129051-12530	5	12
129064-77330	18	31
129067-77340	18	32
129100-01580	3	1
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	8	2
129100-01640	3	17
129100-01730	3	8
129100-01760	3	9
129100-11112	4	23
129100-23910	8	33
129100-35301	9	19
129100-42051	10	3
129100-42121	10	4
129103-49301	9	39
129107-44590	11	6
129129-14580	7	3
129150-01200	1	27

Parts No.	Fig. No.	Ref. No.
129150-02020	1	6
129150-02450	7	4
129150-02871	1	32
129150-02931	1	24
129150-02941	1	35
129150-03070	4	43
129150-11230	4	11
129150-11280	4	9
129150-11370	4	14
129150-11750	4	13
129150-11810	4	31
129150-13110	6	2
	20	16
129150-14101	7	6
129150-14200	7	1
129150-14400	7	2
129150-23601	8	31
129150-23611	8	34
129150-25301	7	15
129150-32020	9	14
	20	18
129150-35042	9	18
	20	19
129150-35111	9	27
	20	20
129150-35170	9	28
129150-49360	10	36
	20	32
129150-49811	10	29
	20	27
129150-59120	14	42
129150-59131	14	45
129150-77511	5	20
	20	15
129150-91400	19	29
129155-49801	10	28
129155-51280	13	6
129155-61460	13	26
129188-21590	8	12
129202-22300	8	25
129211-77920	19	13
129240-79300	18	14
129242-55700	15	15
129242-55720	15	16
129242-55730	15	17
129242-55740	15	18
129242-55750	15	19
129242-55760	15	20
129242-55770	15	21
129242-77010	17	1

Parts No.	Fig. No.	Ref. No.
129242-77100	17	3
129242-77110	17	4
129242-77120	17	5
129242-77130	17	6
129242-77140	17	7
129242-77150	17	8
129242-77160	17	9
129242-77170	17	10
129242-77180	17	12
129242-77210	17	15
129242-77260	17	19
129242-77270	17	21
129242-77280	17	22
129247-07001	11	1
129247-42800	11	2
129247-42801	11	2 -1A
129247-42810	11	2 -1
129247-44500	11	3
129247-44800	11	13
129247-44910	11	33
129247-44920	11	34
129247-44930	11	35
129247-44950	11	36
129247-44960	11	14
129247-44970	11	15
129247-44980	11	16
129247-66120	16	1
129255-61410	13	23
129263-59550	14	60
129350-49530	10	30
129400-92430	20	33
129403-42380	10	23
129410-03990	5	2
129417-33110	9	23
129417-35150	9	26
129423-77200	18	2
129423-77710	18	17
129430-26070	7	17
129486-01670	3	20
129486-35210	3	4
129486-42021	10	14
	20	23
129486-42140	10	16
	20	24
129486-59320	14	61
129486-59551	14	65
129508-33010	9	21
129508-33050	9	22
129508-44550	11	5
129508-49030	9	30

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129601-44560	11	31
129601-44610	11	8
129602-49010	11	37
129604-01520	2	4
129604-53000	14	2
129604-53300	14	2 -1
129612-12650	5	15
129612-49040	11	38
129642-49180	9	37
129698-77020	17	2
129698-77190	17	13
129698-77200	17	14
129698-77220	17	16
129698-77230	17	17
129698-77250	17	18
129795-01780	3	19
129795-01900	18	1
129795-01950	2	8
129795-02412	1	9
129795-11120	4	24
129795-11180	4	25
129795-21661	8	9
129795-49551	10	31
	20	28
129900-07900	4	1
129916-49740	10	11
129950-59311	15	8
129961-59110	15	10
129972-77341	18	33
158552-51151	12	16
158552-51571	12	60
		61
158552-51580	12	64
158552-51600	12	74
158552-51670	12	6
158552-51781	12	100
158552-52100	12	125
158552-52310	12	109
158552-52400	12	110
158552-52500	12	126
158552-61061	13	91
158552-61441	13	25
158552-61900	13	82
158553-51551	12	4
158553-51630	12	75
158553-51650	12	77
158553-51660	12	78
158553-51670	12	69
158553-51680	12	79
158553-51770	12	106

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Parts No.	Fig. No.	Ref. No.
158553-51930	12	103
	13	7
158553-61050	13	3
158553-61070	13	4
158557-51570	12	62
158563-51281	12	39
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158601-51550	12	58
158601-51570	12	63
158601-51650	12	5
158601-51770	12	99
158601-51790	12	101
170004-49160	11	39
170064-67210	16	21
171008-03990	9	31
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171010-77850	19	11
171048-67010	16	6
171048-67130	16	15
171048-67140	16	16
171051-01921	1	5
171056-49120	9	50
171080-91101	19	17
171085-67100	16	12
171085-67110	16	13
171085-67120	16	14
171090-91010	19	15
171102-66080	16	7
171375-39601	9	51
221117-060000	16	22
221117-080000	11	19
22137-100000	16	23
22190-080002	2	11
	9	45
	47	
	20	21
22190-100002	9	48
	20	22
22190-120002	12	104
	111	
	128	
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22190-180002	12	105
	112	
22190-220002	3	12
	20	7
22217-100000	16	24
22217-140000	12	113

Parts No.	Fig. No.	Ref. No.
22252-000260	8	26
22272-000050	16	25
22276-000060	11	2 -1C
22312-050140	12	114
22351-020006	16	17
22351-030010	8	7
22351-050010	12	115
22351-060012	4	36
22411-200150	16	18
22512-070140	7	7
	8	5
22857-500100	4	50
		51
23000-060000	5	17
23010-038000	11	41
23010-044000	11	42
23061-070230	11	29
23080-015000	9	33
		38
23297-120081	11	43
23414-080000	10	18
	20	26
23857-030000	9	46
23876-010000	10	12
23876-020000	10	13
24104-062054	8	17
24311-000070	12	117
24311-000120	4	53
	20	13
24311-000160	15	22
24311-000320	2	12
	4	54
	20	5
24321-000750	15	23
24321-000800	7	18
	20	31
24341-000240	2	23
	19	31
	20	6
24356-010180	12	118
24356-010200	12	72
		119
24372-000150	12	73
25152-003600	10	24 -1
26013-080222	5	18
		19
26014-060122	11	11
26106-060102	12	120
	13	68
	16	26

Parts No.	Fig. No.	Ref. No.
26106-060102	19	23
26106-060142	13	88
		89
26106-060162	2	24
	11	20
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26106-060202	13	90
26106-060402	6	17
26106-060502	10	27
26106-080122	10	19
26106-080142	7	8
26106-080162	2	13
		14
		21
	3	13
	4	2
	10	20
	11	21
		45
		46
		47
		48
		54
	12	131
26106-080202	16	28
	5	5
		22
	9	40
	11	49
		50
		51
		51 -1
	12	132
26106-080222	8	18
	10	32
26106-080252	3	14
	4	37
	6	9
	7	19
26106-080302	2	15
	15	3
26106-080352	3	21
	4	38
	9	20
	11	22
26106-080402	7	14
26106-080452	3	15
		15 -1
	10	21
26106-080502	3	22

Parts No.	Fig. No.	Ref. No.
26106-080502	4	39
26106-080552	2	16
26106-080602	10	22
26106-080802	5	6
		23
26106-080852	2	17
26106-100202	11	23
		52
26106-100302	7	20
26116-060082	16	19
26116-120202	17	24
26206-100252	3	6
26206-100302	3	7
26306-080002	2	18
	6	6
		10
		21
	11	53
26306-100002	18	30
26347-040002	6	18
26347-060002	6	19
26366-060002	9	49
26366-080002	11	24
26450-060252	9	15
26450-080452	12	122
26557-040352	6	20
26657-100002	16	27
26756-050002	16	29
26756-060002	13	69
26776-140002	12	123
26921-050122	16	20
27241-120000	1	14
27241-300000	1	10
27241-400000	4	21
27310-080001	4	28
729005-01560	1	1
729005-92940	20	1
729285-51341	12	1
729285-51400	12	1 -1
729402-23100	8	27
729604-53200	14	1
729604-53400	14	1 -1
729652-01500	2	1
933110-00100	19	24
933110-00301	19	26
977770-1207F	20	34
X2114535200	17	20
X9490561001	18	3