

0CW10-M40000EN

P R E F A C E

1. This Parts catalog is the 1st edition of 4TNV84T-BGGEH for HIMOINSA.

Pub.No. : 000Y00W4000

Published : July , 2008

2. Model name

Engine model	Vehicle	Vehicle made by
4TNV84T-BGGEH	GENERATOR	HIMOINSA.

Directions for the Parts Catalog.

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

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

Remarks

(1) BOOST 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.

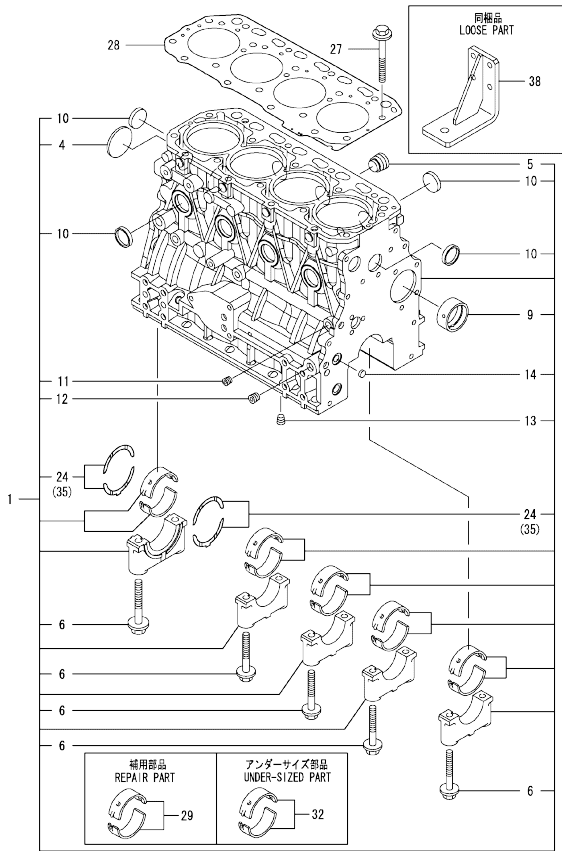
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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0CW10-M40000

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4.	CYLINDER HEAD & BONNET		
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6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	TURBINE		
9.	CRANKSHAFT & PISTON		
10.	LUB.OIL SYSTEM		
11.	LUB.OIL LINE		
12.	COOLING WATER SYSTEM		
13.	FUEL INJECTION PUMP		
14.	GOVERNOR		
15.	FUEL INJECTION VALVE		
16.	FUEL LINE		
17.	STARTING MOTOR		
18.	GENERATOR		
19.	GASKET SET		

0CW10-M40000 4TNV84T-BGGEH
Fig.1. CYLINDER BLOCK



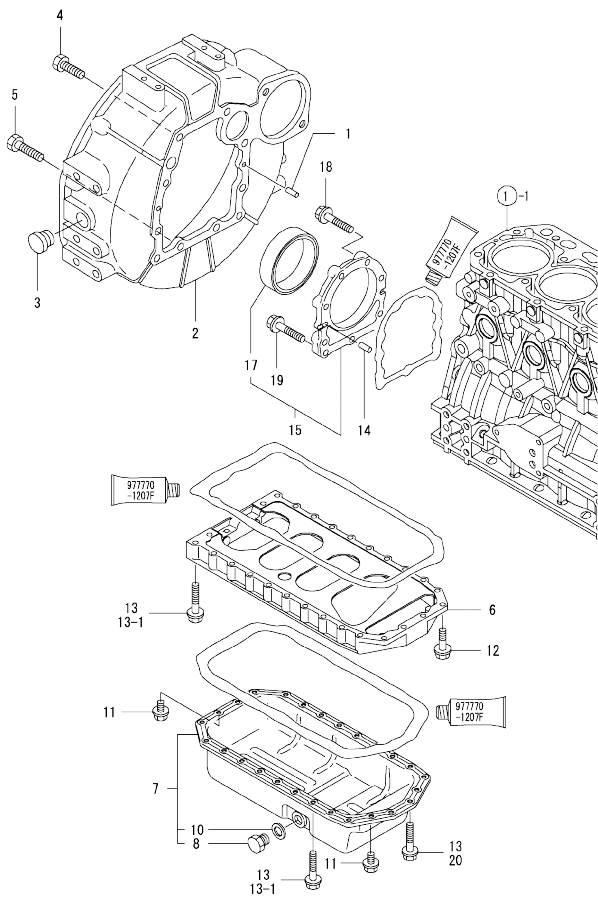
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

0CW10-M40000 Fig.1
(A)=4TNV84T-BGGEH (D)=
(B)=4TNV84T-BGGEHR (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729508-01560	BLOCK ASSY, CYLINDER	1	1						
4	2	129001-01250	PLUG, 50	1	1						
5	2	171051-01921	PLUG, NPTF1	1	1						
6	2	129150-02020	BOLT, METAL CAP	10	10						
9	2	129795-02412	BUSH, CAMSHAFT	1	1						
10	2	27241-300000	PLUG 30	8	8						
11	2	124060-01050	PLUG, PT1/8	1	1						
12	2	124160-01910	PLUG, PT1/4	2	2						
13	2	124160-01910	PLUG, PT1/4	1	1						
14	2	27241-120000	PLUG, 12	2	2						
24	2	129150-02931	BEARING, THRUST	2	2						
27	1	129150-01200	BOLT, HEAD	18	18						
28	1	129508-01330	GASKET, HEAD	1	1						
29	1	129001-02931	BEARING, MAIN	5	5						1
32	1	129150-02871	BEARING, 0.25 US	5	5						2
35	1	129150-02941	BEARING, THRUST 0.25	1	1						3
38	1	129188-08100	FOOT	2	2						

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Fig.3. FLYWHEEL HOUSING & OIL SUMP



0CW10-M40000 Fig.3

(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

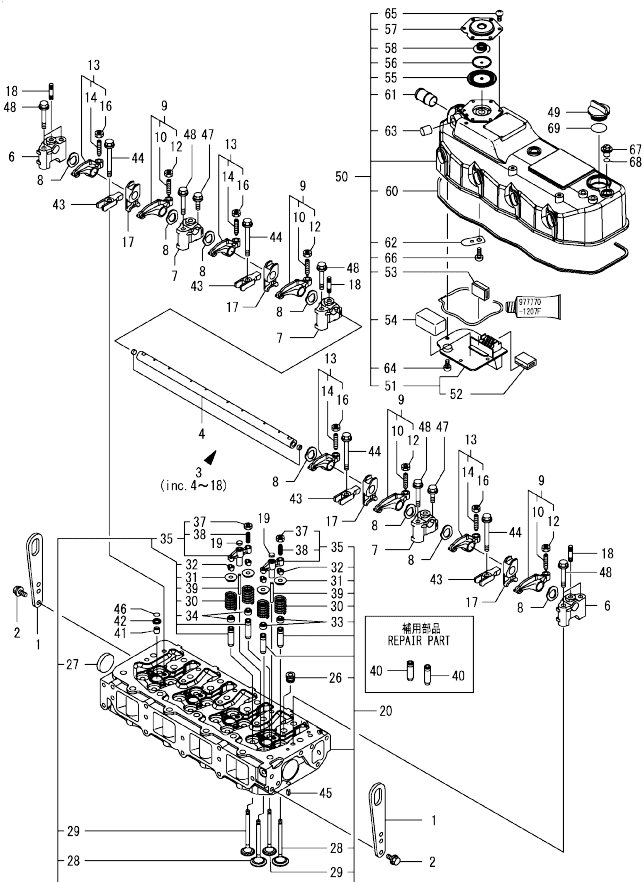
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2						
2	1	171420-01600	HOUSING, FLYWHEEL	1	1						
3	1	119620-01750	CAP	1	1						
4	1	26206-100252	BOLT, M10X 25 PLATED	6	6						
5	1	26206-100302	BOLT, M10X 30 PLATED	4	4						
6	1	129400-01730	SPACER, OIL SUMP	1	1						
7	1	129400-01770	SUMP ASSY, OIL	1	1						
7-1	1	129688-01780	OIL PAN ASSY, DEEP	1	1						N
(A=E51126) (B=E51273)											
8	2	119640-01640	PLUG, DRAIN M22	1	1						
10	2	22190-220002	WASHER, SEAL 22	1	1						
11	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
12	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
13	1	26106-080452	BOLT, M8X 45 PLATED	24							
13-1	1	26106-080452	BOLT, M8X 45 PLATED	20	20						K
(A=FROM 1ST)											
14	1	129100-01580	PIN, M8X16	2	2						
15	1	129100-01640	CASE ASSY, OIL SEAL	1	1						
17	2	129795-01780	SEAL, OIL	1	1						
18	1	129486-01670	BOLT, M8X30	6	6						
19	1	26106-080352	BOLT, M8X 35 PLATED	3	3						
20	1	26106-080502	BOLT, M8X 50 PLATED	4	4						W
(A=FROM 1ST)											

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{HIS}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{HIS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

0CW10-M40000 Fig.4

(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

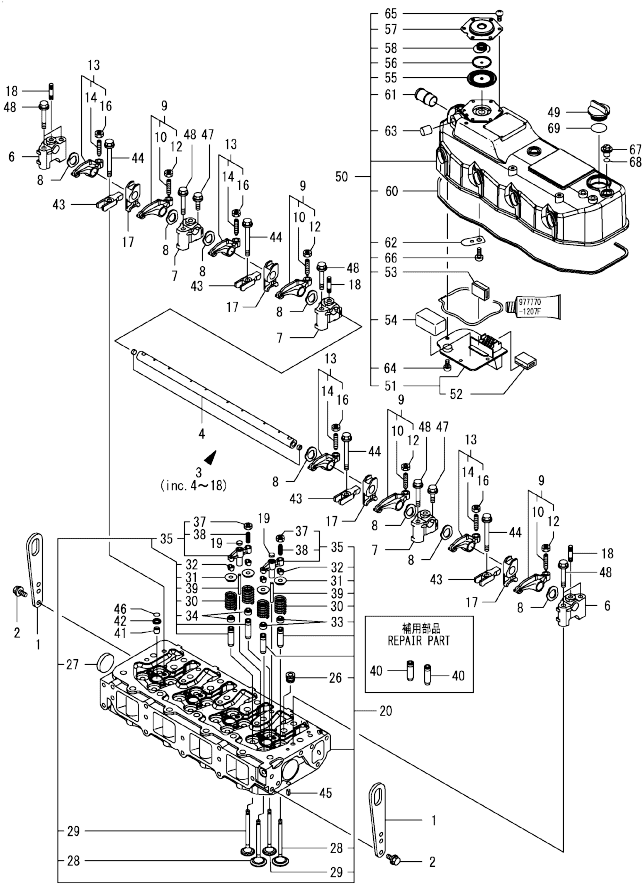
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2	2						
2	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
3	1	129508-11241	SHAFT ASSY, ROCKER	1	1						
4	2	129508-11250	SHAFT, ROCKER ARM	1	1						
6	2	129508-11260	SUPPORT, ROCKER ARM	2	2						
7	2	129508-11270	SUPPORT, ROCKER ARM	3	3						
8	2	129508-11280	WASHER	8	8						
9	2	129508-11650	ARM, ROCKER	4	4						
10	3	129150-11230	SCREW, VALVE ADJUST	4	4						
12	3	129150-11750	NUT, M8	4	4						
13	2	129508-11660	ARM, ROCKER	4	4						
14	3	129150-11230	SCREW, VALVE ADJUST	4	4						
16	3	129150-11750	NUT, M8	4	4						
17	2	129508-11920	RETAINER	4	4						
18	2	26226-080352	STUD, M8X 35	3	3						
19	1	123907-11550	SEAT, VALVE BRIDGE	8	8						
20	1	129509-11700	HEAD ASSY, CYLINDER	1	1						
26	2	23876-020000	PLUG, R02	4	4						
27	2	27241-400000	PLUG, 40	2	2						
28	2	129508-11100	VALVE, INTAKE	8	8						
29	2	129508-11110	VALVE, EXHAUST	8	8						
30	2	129508-11130	SPRING, VALVE	16	16						
31	2	129508-11180	RETAINER, SPRING	16	16						
32	2	119717-11190	COTTER	32	32						
33	2	119717-11340	SEAL, VALVE STEM	8	8						
34	2	119717-11350	SEAL, VALVE STEM	8	8						
35	2	129672-11510	BRIDGE ASSY, VALVE	8	8						
37	3	129150-11750	NUT, M8	8	8						
38	3	123907-11830	ADJUSTER	8	8						
39	2	129508-11820	GUIDE	8	8						
40	1	119717-11800	GUIDE, VALVE	16	16						1
41	1	119802-11870	PROTECTOR, NOZZLE	4	4						
42	1	119625-11880	SEAT, NOZZLE	4	4						
43	1	129508-11900	RETAINER, NOZZLE	4	4						
44	1	129907-11950	BOLT, M8X75	4	4						
45	1	22351-060012	PIN, SPRING 6.0X12	2	2						
46	1	24311-000120	O-RING, 1AP12.0	4	4						
47	1	26106-080252	BOLT, M8X 25 PLATED	3	3						
48	1	26106-080502	BOLT, M8X 50 PLATED	7	7						
49	1	124160-01751	COVER, FILLER	1	1						
50	1	129584-11350	BONNET ASSY, HEAD	1	1						
51	2	129508-03010	PLATE	1	1						
52	3	119802-03070	BAFFLE, BREATHER	1	1						
53	2	129150-03070	BAFFLE, BREATHER	1	1						
54	2	129907-03070	BAFFLE, BREATHER	1	1						
55	2	123907-03100	DIAPHRAGM	1	1						
56	2	123907-03110	PLATE	1	1						
57	2	123907-03120	PLATE, BREATHER	1	1						
58	2	123907-03140	SPRING, DIAPHRAGM	1	1						
60	2	129508-11310	GASKET, BONNET	1	1						
61	2	129001-11340	PIPE, BREATHER	1	1						

N:Old $\frac{100}{100}$ New, O: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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0CW10-M40000 4TNV84T-BGGEH

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

0CW10-M40000 Fig.4

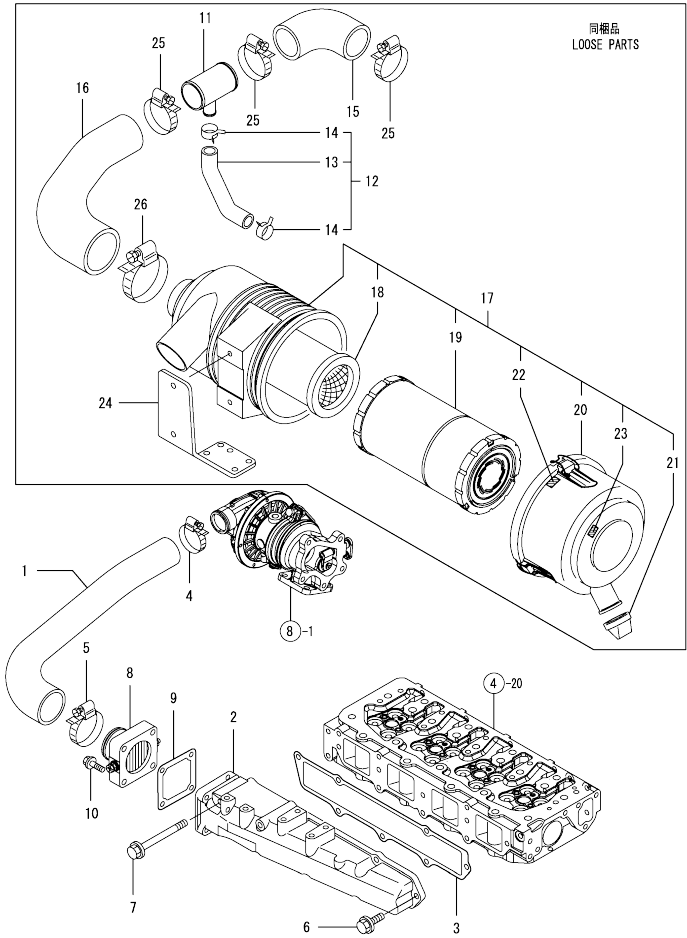
(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
62	2	129009-11340	SPRING	1	1						
63	2	119640-61400	PLUG	1	1						
64	2	22857-500100	SCREW, 5X10	4	4						
65	2	22857-500100	SCREW, 5X10	6	6						
66	2	22857-500100	SCREW, 5X10	1	1						
67	1	124160-11360	KNOB	3	3						
68	1	24311-000120	O-RING, 1AP12.0	3	3						
69	1	24311-000320	O-RING, 1AP32.0	1	1						

N:Old $\frac{N10}{N10}$ New, Q:Old $\frac{Q10}{Q10}$ New, R:Old $\frac{R10}{R10}$ New, S:Old $\frac{S10}{S10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. SUCTION MANIFOLD & AIR CLEANER

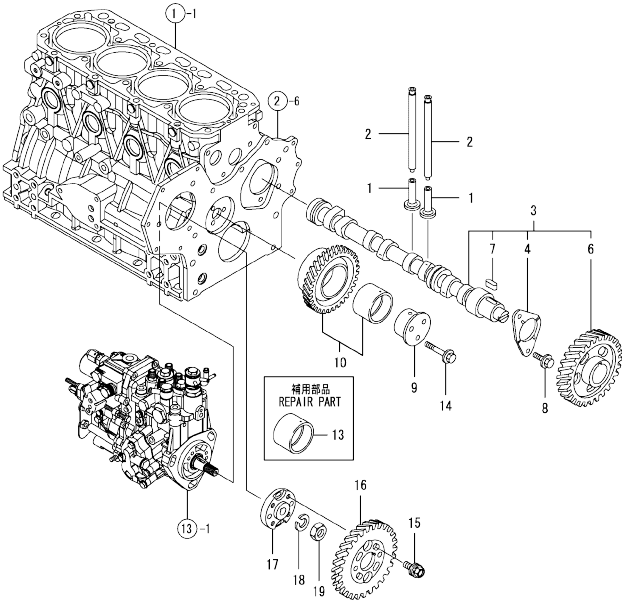


(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129584-12060	PIPE, AIR INTAKE	1	1						
2	1	129508-12100	MANIFOLD, AIR INTAKE	1	1						
3	1	129508-12110	GASKET, MANIFOLD	1	1						
4	1	23000-048000	CLAMP, 48	1	1						
5	1	23000-060000	CLAMP, 60	1	1						
6	1	26106-080202	BOLT, M8X 20 PLATED	5	5						
7	1	26106-080802	BOLT, M8X 80 PLATED	2	2						
8	1	129120-77502	HEATER	1	1						
9	1	129150-77511	GASKET	1	1						
10	1	26106-080352	BOLT, M8X 35 PLATED	4	4						
11	1	129509-03050	JOINT, BREATHER	1	1						
12	1	129509-03080	HOSE ASSY, BREATHER	1	1						
13	2	129509-03090	HOSE, BREATHER	1	1						
14	2	129410-03990	CLIP	2	2						
15	1	129509-12070	PIPE, AIR INTAKE	1	1						
16	1	129584-12080	PIPE, AIR INTAKE	1	1						
17	1	129915-12500	CLEANER ASSY, AIR	1	1						
18	2	119005-12571	ELEMENT	1	1						
19	2	129062-12560	ELEMENT	1	1						
20	2	129457-12530	COVER	1	1						
21	2	119808-12540	VALVE, UNLOADER	1	1						
22	2	129418-12530	LABEL, MARK	2	2						
23	2	129612-12650	LABEL, MARKING	1	1						
24	1	129508-12560	BRACKET, AIR CLEANER	1	1						
25	1	23000-060000	CLAMP, 60	3	3						
26	1	23000-080000	CLAMP, 80	1	1						

Fig.7. CAMSHAFT & DRIVING GEAR



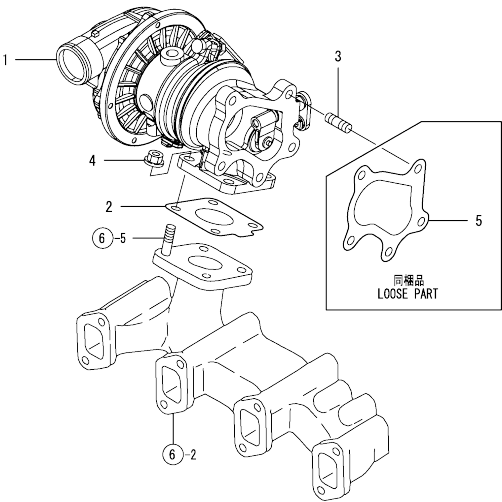
Remarks
(1) REPAIR PART.

(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8	8						
2	1	129150-14400	ROD, PUSH L=178	8	8						
3	1	129508-14580	CAMSHAFT ASSY	1	1						
4	2	129150-02450	BEARING, THRUST	1	1						
6	2	129150-14101	GEAR, CAMSHAFT	1	1						
7	2	22512-070140	KEY, 7X 14	1	1						
8	1	26106-080142	BOLT, M8X 14 PLATED	2	2						
9	1	119802-25051	SHAFT, IDLE	1	1						
10	1	119802-25101	GEAR ASSY, IDLE	1	1						
13	1	119802-25071	BUSH, IDLE GEAR	1	1						1
14	1	26106-080402	BOLT, M8X 40 PLATED	3	3						
15	1	129150-25301	BOLT	4	4						
16	1	119802-25901	GEAR, PUMP	1	1						
17	1	158552-51151	FLANGE	1	1						
18	1	22217-140000	WASHER, SPRING 14	1	1						
19	1	26776-140002	NUT, LOCK M14	1	1						

Fig.8. TURBINE



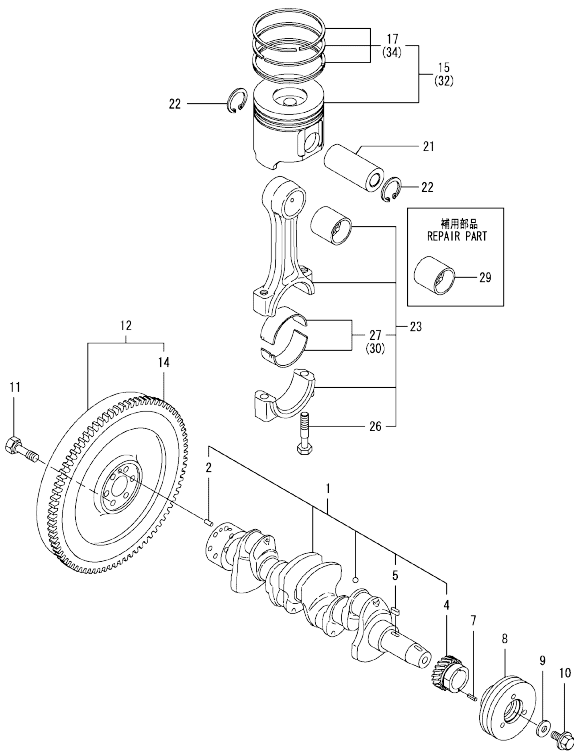
(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129508-18020	TURBINE, RHF4	1	1						
2	1	129508-18080	GASKET	1	1						
3	1	129418-18320	STUD, M8X20	5	5						
4	1	26306-080002	NUT, M8	5	5						
5	1	129508-18090	GASKET	1	1						

0CW10-M40000 4TNV84T-BGGEH

Fig.9. CRANKSHAFT & PISTON



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

0CW10-M40000 Fig.9

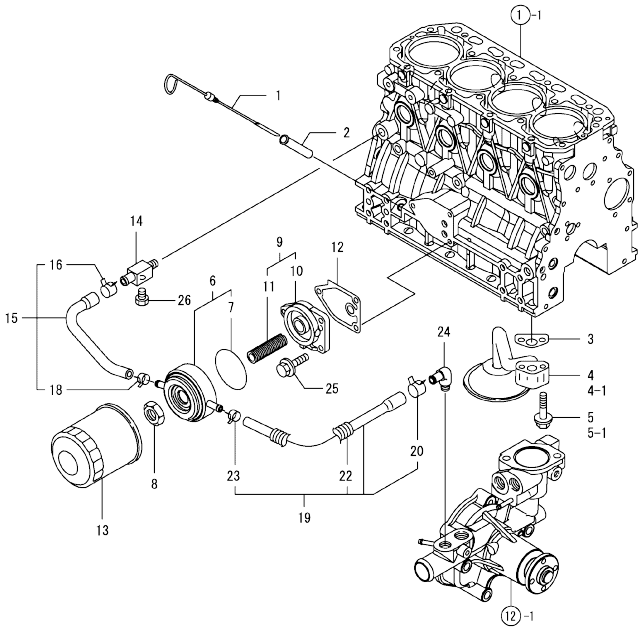
(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129508-21002	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, M8X16	1	1						
4	2	119802-21202	GEAR, CRANKSHAFT	1	1						
5	2	22512-070140	KEY, 7X 14	1	1						
7	1	22351-030010	PIN, SPRING 3.0X10	1	1						
8	1	119802-21660	V-PULLEY, 120	1	1						
9	1	129795-21661	WASHER	1	1						
10	1	121850-21680	BOLT	1	1						
11	1	121111-21501	BOLT, FLYWHEEL	6	6						
12	1	171420-21590	FLYWHEEL ASSY	1	1						
14	2	124550-21600	GEAR, RING	1	1						
15	1	129508-22080	PISTON ASSY	4	4						
17	2	129004-22500	RING SET, PISTON	4	4						
21	1	129202-22300	PIN, PISTON D26 L70	4	4						
22	1	22252-000260	RING, 26	8	8						
23	1	729402-23100	ROD ASSY, CONNECTING	4	4						
26	2	121550-23200	BOLT, CONNECTING ROD	8	8						
27	2	129150-23601	BEARING, CRANK PIN	4	4						
29	1	129100-23910	BEARING, PISTON PIN	4	4						1
30	1	129150-23611	BEARING, 0.25 US	4	4						2
32	1	129508-22900	PISTON ASSY, 0.25 OS	4	4						3
34	2	129004-22950	RING SET, 0.25 OS	4	4						3

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{HIS}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{HIS}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CW10-M40000 4TNV84T-BGGEH
Fig.10. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

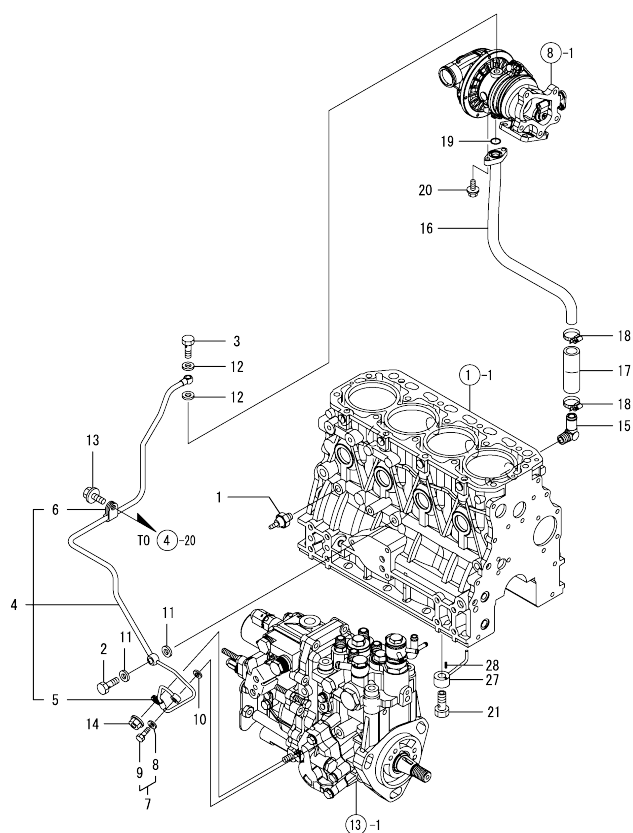
0CW10-M40000 Fig.10

(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

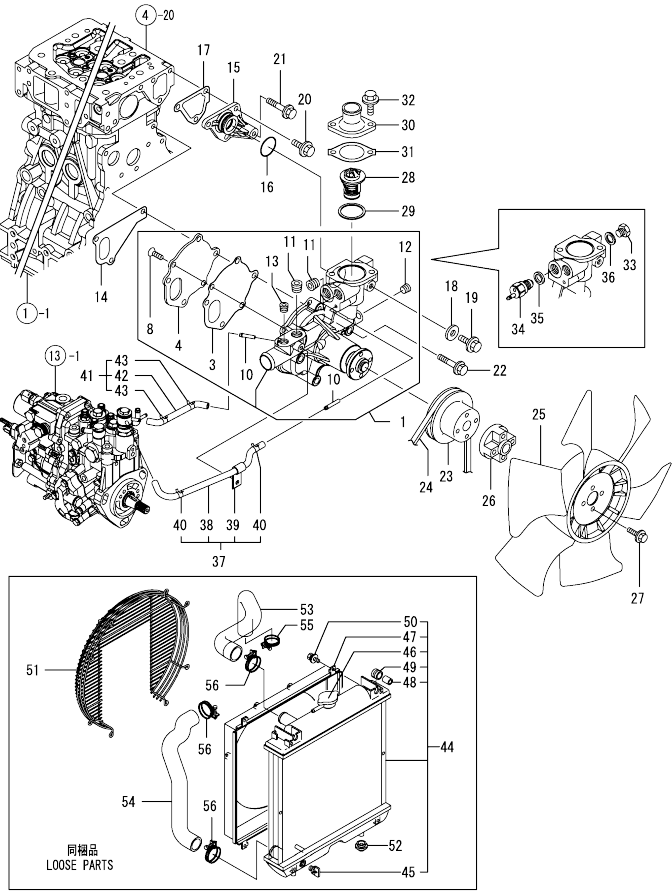
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-34802	DIPSTICK, OIL	1	1						
2	1	121520-34810	GUIDE, DIPSTICK	1	1						
3	1	129150-35042	GASKET	1	1						
4	1	129436-35091	PIPE ASSY, OIL INLET	1	1						
4-1	1	129436-35070	PIPE ASSY	1	1						S
(A=EZZZZZ) (B=EZZZZZ)											
5	1	26106-080352	BOLT, M8X 35 PLATED	2	2						
5-1	1	26106-080552	BOLT, M8X 55 PLATED	2	2						S
(A=EZZZZZ) (B=EZZZZZ)											
6	1	129508-33010	COOLER ASSY, OIL	1	1						
7	2	129508-33050	O-RING	1	1						
8	1	129417-33110	NUT	1	1						
9	1	129006-35100	BRACKET ASSY, FILTER	1	1						
10	2	119802-35110	BRACKET, FILTER	1	1						
11	2	129417-35150	STUD, L=67	1	1						
12	1	129150-35111	GASKET	1	1						
13	1	129150-35170	FILTER, LO	1	1						1
14	1	129006-44480	JOINT	1	1						
15	1	129508-49030	PIPE ASSY, WATER	1	1						
16	2	171008-03990	CLIP, HOSE 18.5	1	1						
18	2	23080-015000	CLAMP, 15	1	1						
19	1	129508-49040	PIPE ASSY, WATER	1	1						
20	2	171008-03990	CLIP, HOSE 18.5	1	1						
22	2	119940-59130	TUBE, CORRUGATED	1	1						
23	2	23080-015000	CLAMP, 15	1	1						
24	1	129103-49301	ELBOW, PT1/4	1	1						
25	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
26	1	171056-49120	PLUG, DRAIN	1	1						

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-39450	SWITCH, 0.5KG	1	1						
2	1	124160-39140	BOLT, PIPE JOINT M10	1	1						
3	1	121252-39150	BOLT, JOINT M10X1.5	1	1						
4	1	129508-39450	PIPE ASSY, OIL	1	1						
5	2	119802-39500	RETAINER, PIPE	1	1						
6	2	124223-39900	RETAINER	1	1						
7	1	129005-59830	BOLT ASSY, JOINT M8	1	1						
8	2	22190-080002	WASHER, SEAL 6	1	1						
9	2	23857-030000	BOLT, JOINT 3	1	1						
10	1	22190-080002	WASHER, SEAL 6	1	1						
11	1	22190-100002	WASHER, SEAL 10	2	2						
12	1	23414-100000	GASKET, 10X1.0	2	2						
13	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
14	1	26366-060002	NUT, M6	1	1						
15	1	124070-13300	ELBOW, PT3/8	1	1						
16	1	129508-39600	PIPE, OIL	1	1						
17	1	123901-39820	HOSE	1	1						
18	1	23000-025000	CLAMP, 25	2	2						
19	1	24316-000160	O-RING, 4DP16.0	1	1						
20	1	26106-060162	BOLT, M6X 16 PLATED	2	2						
21	1	129792-39410	VALVE ASSY, CHECK	4	4						
27	1	129553-39650	NOZZLE	4	4						
28	1	22351-030010	PIN, SPRING 3.0X10	4	4						

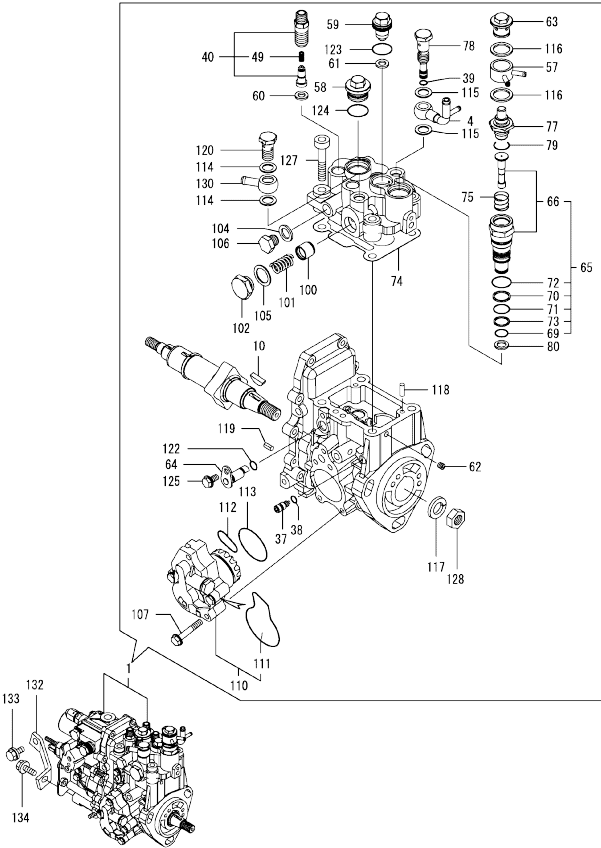
Fig.12. COOLING WATER SYSTEM



										0CW10-M40000 Fig.12	
										(A)=4TNV84T-BGGEH	(D)=
										(B)=4TNV84T-BGGEHR	(E)=
										(C)=	(F)=
										Q'ty	
										(A)	(B)
										(C)	(D)
										(E)	(F)
										I R	
No.	Lev.	Parts No.	Description								
1	1	129508-42001	PUMP ASSY, WATER							1	1
3	2	129100-42051	GASKET, WATER PUMP							1	1
4	2	129100-42121	PLATE							1	1
8	2	121850-42410	SCREW							3	3
10	2	119802-49113	JOINT, PIPE							2	2
11	2	129916-49740	PLUG, R03							2	2
12	2	23876-010000	PLUG, R01							1	1
13	2	23876-020000	PLUG, R02							1	1
14	1	129486-42021	GASKET, WATER PUMP							1	1
15	1	129004-42040	JOINT							1	1
16	1	129486-42140	O-RING, G30							1	1
17	1	124395-49840	GASKET							1	1
18	1	23414-080000	GASKET, 8X1.0							1	1
19	1	26106-080122	BOLT, M8X 12 PLATED							1	1
20	1	26106-080162	BOLT, M8X 16 PLATED							3	3
21	1	26106-080452	BOLT, M8X 45 PLATED							1	1
22	1	26106-080602	BOLT, M8X 60 PLATED							3	3
23	1	129155-42350	V-PULLEY							1	1
24	1	119831-42290	V-BELT, A37.5							1	1
25	1	129612-44700	FAN, COOLING							1	1
26	1	121267-44760	SPACER							1	1
27	1	26106-060302	BOLT, M6X 30 PLATED							4	4
28	1	129155-49801	THERMOSTAT, 71							1	1
29	1	129150-49811	GASKET, THERMOSTAT							1	1
30	1	129350-49530	COVER, THERMOSTAT							1	1
31	1	129795-49551	GASKET							1	1
32	1	26106-080222	BOLT, M8X 22 PLATED							2	2
33	1	121450-42450	PLUG, M16							1	1
34	1	121250-44901	SWITCH, 110							1	1
35	1	124465-44950	GASKET, 16							1	1
36	1	124465-44950	GASKET, 16							1	1
37	1	129004-49610	PIPE ASSY, WATER							1	1
38	2	129004-49711	PIPE ASSY, WATER							1	1
39	2	119802-49730	RETAINER, PIPE							1	1
40	2	124722-59050	CLIP, HOSE 9							2	2
41	1	129004-49620	PIPE ASSY, WATER							1	1
42	2	129004-49721	PIPE ASSY, WATER							1	1
43	2	124722-59050	CLIP, HOSE 9							2	2
44	1	129508-44501	RADIATOR ASSY							1	1
45	2	129508-44550	COCK ASSY							1	1
46	2	129107-44590	CAP, RADIATOR							1	1
47	2	129601-44600	SHROUD							1	1
48	2	118400-44670	COLLAR							2	2
49	2	118400-44720	MOUNT, RUBBER							2	2
50	2	26014-060122	BOLT, M6X 12							4	4
51	1	129601-44560	GUARD							1	1
52	1	119255-44660	ABSORBER							2	2
53	1	129602-49010	PIPE, WATER							1	1
54	1	129508-49020	PIPE, WATER							1	1
55	1	23010-038000	CLAMP, 38							1	1
56	1	23010-044000	CLAMP, 44							3	3

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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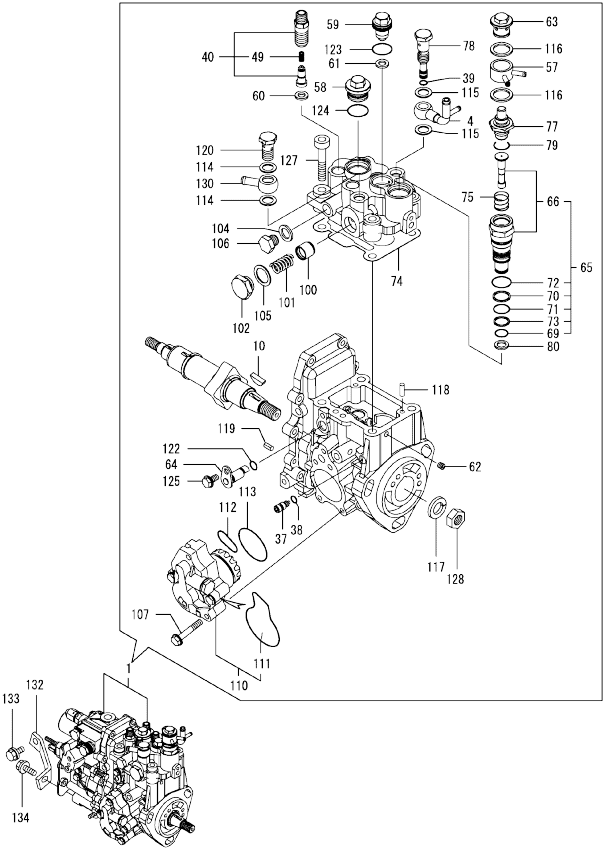
Fig.13. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.14) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729584-51300	PUMP ASSY, INJECTION	1	1						1
4	2	158552-51670	JOINT, OVER FLOW	1	1						
10	2	119802-51090	KEY, 4X16	1	1						
37	2	158600-51270	STOPPER, TAPPET	1	1						
38	2	158563-51281	O-RING, 4D S6	1	1						
39	2	158563-51281	O-RING, 4D S6	1	1						
40	2	129509-51390	VALVE ASSY, DELIVERY	4	4						
49	3	158563-51330	SPRING, DELIVERY	4	4						
57	2	158553-51551	JOINT	1	1						
58	2	158601-51550	PLUG	1	1						
59	2	119802-51560	PLUG, BARREL	1	1						
60	2	158552-51571	GASKET	4	4						
61	2	158552-51571	GASKET	1	1						
62	2	158557-51570	PLUG	1	1						
63	2	158601-51570	PLUG	1	1						
64	2	158552-51580	LIFTER	1	1						
65	2	119802-51590	TIMER SET	1	1						
66	3	119802-51600	TIMER ASSY	1	1						
69	3	158553-51670	O-RING, 1011	1	1						
70	3	119802-51680	RING, BACK UP	1	1						
71	3	119802-51690	O-RING	1	1						
72	3	24356-010200	O-RING, 4D1020	1	1						
73	3	24372-000150	RING, BACK UP T2P15	1	1						
74	2	158552-51600	GASKET	1	1						
75	2	158553-51630	SPRING, TIMER	1	1						
77	2	158553-51640	ELEMENT	1	1						
78	2	158601-51650	JOINT, OVER FLOW	1	1						
79	2	158553-51660	O-RING, P14	1	1						
80	2	158553-51680	GASKET	1	1						
100	2	158601-51770	PISTON	1	1						
101	2	158552-51781	SPRING	1	1						
102	2	158601-51790	PLUG	1	1						
104	2	22190-120002	WASHER, SEAL 12	1	1						
105	2	22190-180002	WASHER, SEAL 18	1	1						
106	2	23887-120002	PLUG, 12	1	1						
107	2	158553-51770	BOLT	4	4						
110	2	158552-52100	PUMP ASSY, FUEL FEED	1	1						
111	3	158552-52500	O-RING	1	1						
112	2	158552-52310	O-RING	1	1						
113	2	158552-52400	O-RING, 4E S42	1	1						
114	2	22190-120002	WASHER, SEAL 12	2	2						
115	2	22190-120002	WASHER, SEAL 12	2	2						
116	2	22190-180002	WASHER, SEAL 18	2	2						
117	2	22217-140000	WASHER, SPRING 14	1	1						
118	2	22312-050140	PIN, PARALLEL M5X14	2	2						
119	2	22351-050010	PIN, SPRING 5.0X10	2	2						
120	2	23857-060000	BOLT, JOINT 6	1	1						
122	2	24311-000070	O-RING, 1AP7.0	1	1						
123	2	24356-010180	O-RING, 4D1018	1	1						
124	2	24356-010200	O-RING, 4D1020	1	1						
125	2	26106-060102	BOLT, M6X 10 PLATED	1	1						

Fig.13. FUEL INJECTION PUMP

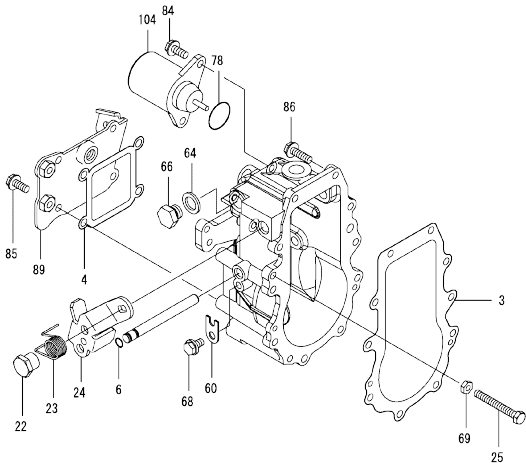


Remarks
(1) GOVERNOR ASSY(FIG.14) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
127	2	26450-080452	BOLT, M8X 45		4	4					
128	2	26776-140002	NUT, LOCK M14		1	1					
130	2	129916-59020	JOINT, PIPE 12		1	1					
132	1	129601-51250	RETAINER, PUMP		1	1					
133	1	26106-080162	BOLT, M8X 16 PLATED		1	1					
134	1	26106-080202	BOLT, M8X 20 PLATED		1	1					

0CW10-M40000 4TNV84T-BGGEH

Fig.14. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.13).

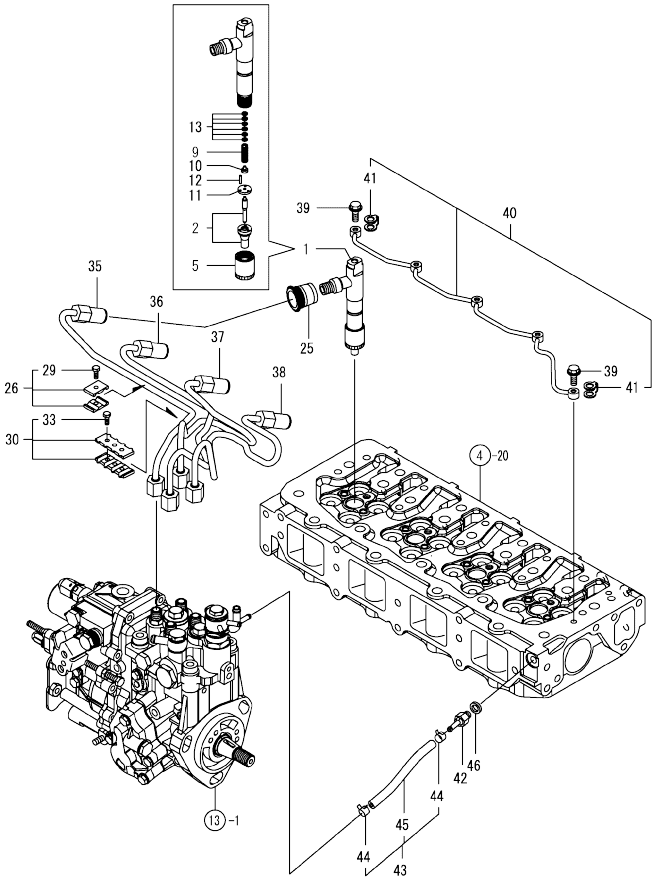
0CW10-M40000 Fig.14

(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(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	1						
4	2	158553-61070	GASKET	1	1						
6	2	129155-51280	O-RING, S6	1	1						
22	2	129255-61410	NUT, LOCK	1	1						
23	2	119807-61420	SPRING, RETURN	1	1						
24	2	129246-61441	LEVER, REGULATOR	1	1						
25	2	129155-61460	BOLT, IDLE	1	1						
60	2	119660-61901	RETAINER, SHAFT	1	1						
64	2	22190-120000	WASHER, SEAL 12	1	1						
66	2	23887-120002	PLUG, 12	1	1						
68	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
69	2	26756-060002	NUT, LOCK M6	1	1						
78	2	158552-61900	O-RING	1	1						
84	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
85	2	26106-060142	BOLT, M6X 14 PLATED	4	4						
86	2	26106-060202	BOLT, M6X 20 PLATED	10	10						
89	2	129246-61061	COVER, GOVERNOR CASE	1	1						
104	2	119653-77950	SOLENOID, STOP	1	1						

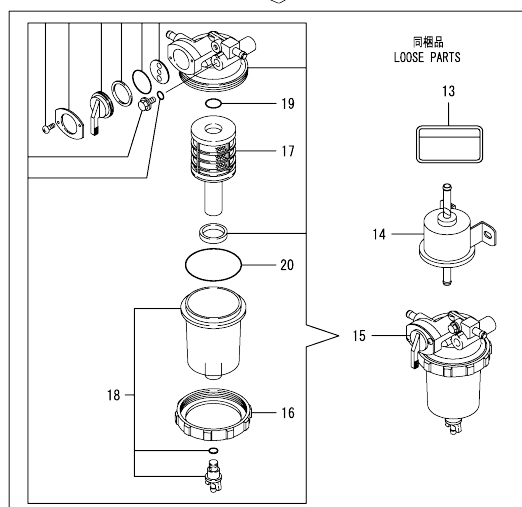
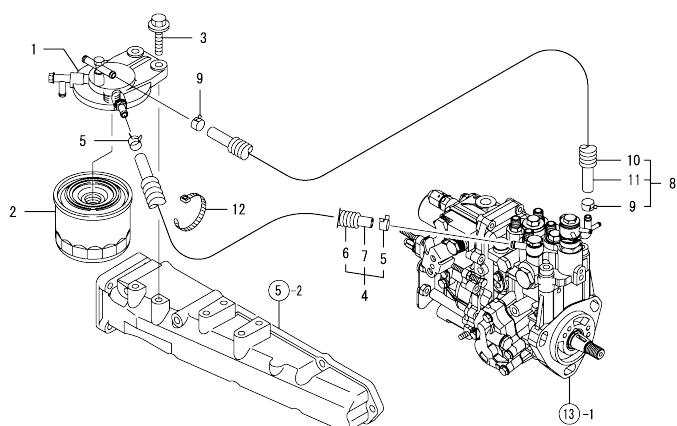
Fig.15. FUEL INJECTION VALVE



(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

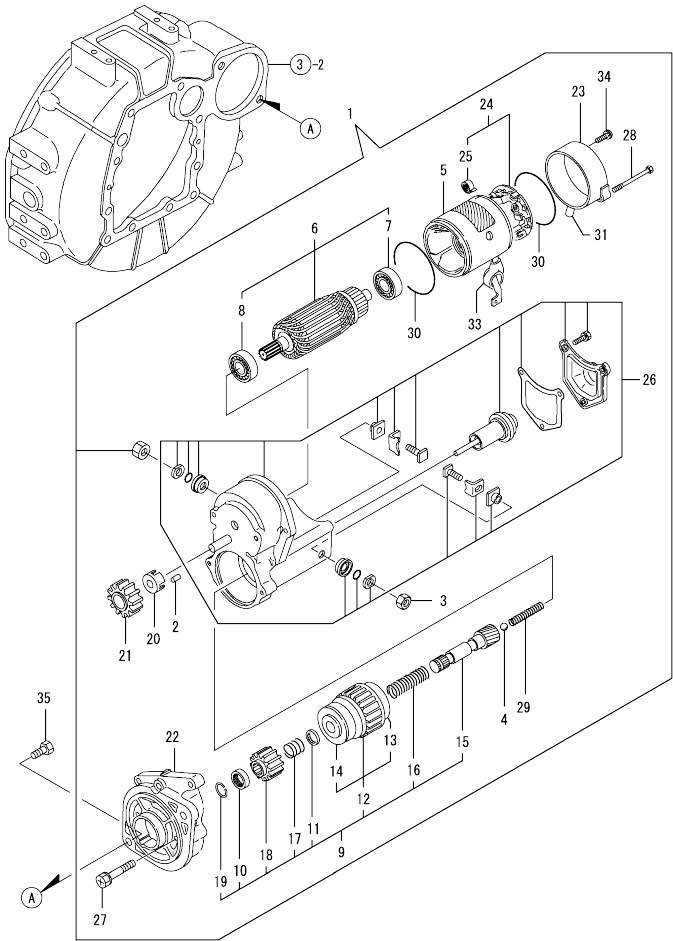
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729649-53100	VALVE ASSY,INJECTION	4	4						
2	2	129649-53000	VALVE ASSY,INJECTION	4	4						
5	2	114250-53080	NUT, NOZZLE D16.95	4	4						
9	2	114250-53120	SPRING, NOZZLE	4	4						
10	2	114250-53130	SEAT, SPRING	4	4						
11	2	114250-53140	PLATE	4	4						
12	2	114250-53210	PIN	8	8						
13	2	114250-53400	SHIM SET	4	4						
25	1	123907-11601	SEAL	4	4						
26	1	119305-59120	RETAINER, PIPE	2	2						
29	2	129150-59131	BOLT, M4X14	2	2						
30	1	129550-59120	RETAINER, PIPE	1	1						
33	2	129150-59131	BOLT, M4X14	2	2						
35	1	129508-59910	PIPE ASSY, INJECTION	1	1						
36	1	129508-59920	PIPE ASSY, INJECTION	1	1						
37	1	129508-59930	PIPE ASSY, INJECTION	1	1						
38	1	129508-59940	PIPE ASSY, INJECTION	1	1						
39	1	123907-59540	BOLT, PIPE JOINT M6	5	5						
40	1	129508-59550	PIPE ASSY, RETURN	1	1						
41	2	123907-59550	GASKET	5	5						
42	1	123907-59560	JOINT	1	1						
43	1	129508-59570	PIPE ASSY, RETURN	1	1						
44	2	124722-59050	CLIP, HOSE 9	2	2						
45	2	129508-59510	PIPE, FUEL RETURN	1	1						
46	1	22190-080002	WASHER, SEAL 6	1	1						



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1	1						
2	1	119802-55810	FILTER,FO	1	1						
3	1	26106-080302	BOLT, M8X 30 PLATED	2	2						
4	1	129630-59010	PIPE ASSY, FUEL	1	1						
5	2	124766-59050	CLIP, HOSE 12	2	2						
6	2	129961-59110	TUBE, CORRUGATED	1	1						
7	2	105025-59560	PIPE, FUEL	1	1						
8	1	129956-59010	PIPE ASSY, FUEL	1	1						
9	2	124766-59050	CLIP, HOSE 12	2	2						
10	2	129957-59101	TUBE, CORRUGATED	1	1						
11	2	105225-59511	PIPE, FUEL	1	1						
12	1	121750-59890	BAND, 140	1	1						
13	1	114110-07760	LABEL, FUEL CAUTION	1	1						
14	1	119225-52102	PUMP ASSY, FUEL FEED	1	1						
15	1	119802-55700	SEPARATOR ASSY	1	1						
16	2	129100-55690	RING, RETAINING	1	1						
17	2	119802-55710	ELEMENT	1	1						
18	2	119802-55730	CUP ASSY	1	1						
19	2	24311-000160	O-RING, 1AP16.0	1	1						
20	2	24321-000650	O-RING, 1AG65.0	1	1						

0CW10-M40000 4TNV84T-BGGEH
Fig.17. STARTING MOTOR



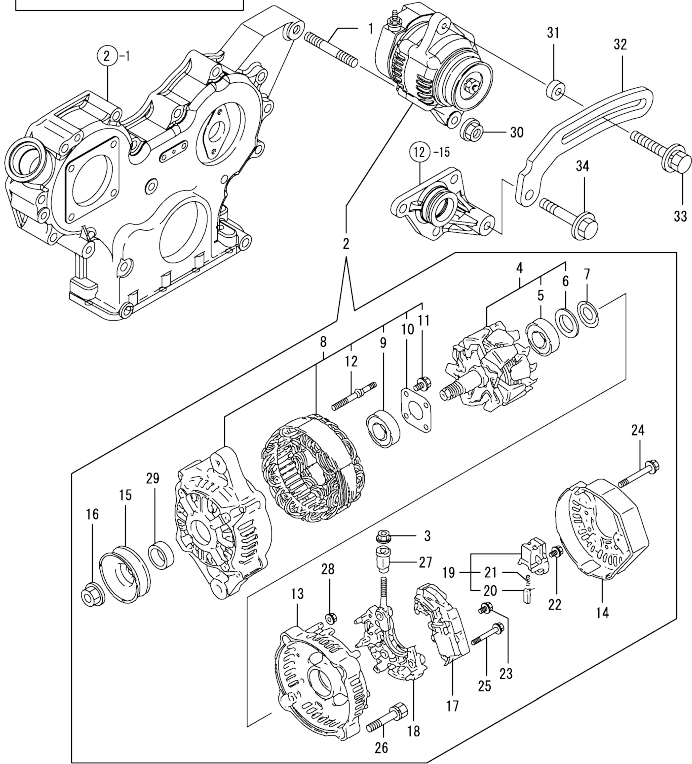
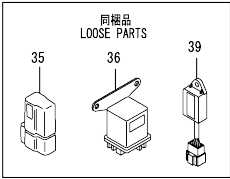
0CW10-M40000 Fig.17

(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-77010	STARTER, RA1.4	1	1						
2	2	X0283060061	ROLLER	5	5						
3	2	X9490561370	NUT	1	1						
4	2	X9491200240	BALL	1	1						
5	2	129407-77210	YOKE ASSY	1	1						
6	2	129407-77220	ARMATURE ASSY	1	1						
7	3	129129-77230	BEARING	1	1						
8	3	129129-77240	BEARING	1	1						
9	2	129407-77250	STARTER	1	1						
10	3	X0280210230	NUT	1	1						
11	3	X0283270140	RETAINER	1	1						
12	3	129407-77390	CLUTCH ASSY	1	1						
13	4	129129-77440	BEARING, BALL	1	1						
14	4	129129-77450	BEARING, BALL	1	1						
15	3	129129-77400	SHAFT	1	1						
16	3	129129-77410	SPRING, COIL	1	1						
17	3	X9491703371	SPRING, COIL	1	1						
18	3	129129-77420	PINION, STARTER	1	1						
19	3	129129-77430	RING	1	1						
20	2	129129-77260	RETAINER	1	1						
21	2	129129-77270	PINION	1	1						
22	2	129407-77280	HOUSING	1	1						
23	2	129407-77290	FRAME	1	1						
24	2	129407-77300	HOLDER ASSY	1	1						
25	3	X9491730461	SPRING	4	4						
26	2	129407-77310	SWITCH ASSY	1	1						
27	2	129129-77320	BOLT	2	2						
28	2	129407-77330	BOLT	2	2						
29	2	129129-77340	SPRING	1	1						
30	2	129129-77350	O-RING	2	2						
31	2	129129-77362	COVER	1	1						
33	2	129129-77380	CAP	1	1						
34	2	129129-77460	SCREW	2	2						
35	1	26116-120252	BOLT, M12X 25 PLATED	2	2						

Fig.18. GENERATOR

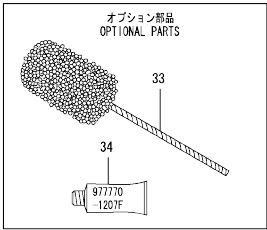
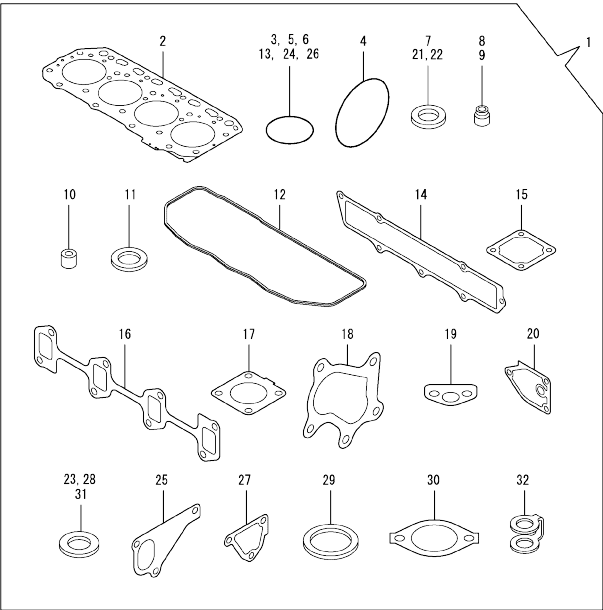


(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1	1						
2	1	129423-77200	GENERATOR, 12V-40A	1	1						
3	2	X9490561001	NUT	1	1						
4	2	119620-77380	ROTOR ASSY	1	1						
5	3	119620-79240	BEARING, BALL	1	1						
6	3	119620-79250	COVER	1	1						
7	2	119620-79360	WASHER, THRUST	1	1						
8	2	119620-77421	FRAME ASSY, DRIVE	1	1						
9	3	119620-79200	BEARING, BALL	1	1						
10	3	119620-79210	PLATE, RETAINER	1	1						
11	3	119620-79220	SCREW	4	4						
12	3	119620-79230	STUD	2	2						
13	2	119620-77440	FRAME ASSY	1	1						
14	2	129240-79300	COVER	1	1						
15	2	119620-77461	PULLEY	1	1						
16	2	119620-77471	NUT	1	1						
17	2	129423-77710	REGULATOR ASSY	1	1						
18	2	119620-79260	HOLDER	1	1						
19	2	119620-79270	HOLDER, BRUSH	1	1						
20	3	119620-77480	BRUSH ASSY	2	2						
21	3	119620-79280	SPRING	2	2						
22	2	119620-79290	SCREW	1	1						
23	2	119620-79300	SCREW	1	1						
24	2	119620-79310	BOLT	3	3						
25	2	119620-79320	SCREW	2	2						
26	2	119620-79330	BOLT	2	2						
27	2	119620-79340	BUSH, INSULATION	1	1						
28	2	119620-79350	NUT	2	2						
29	2	119620-77490	COLLAR	1	1						
30	1	26306-100002	NUT, M10	1	1						
31	1	119940-77270	SPACER, GENERATOR	1	1						
32	1	119940-77330	ADJUSTER	1	1						
33	1	129972-77341	BOLT, ADJUSTER L=50	1	1						
34	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
35	1	119643-66900	DIODE	1	1						
36	1	119650-77910	RELAY ASSY, GLOW	1	1						
39	1	129211-77920	TIMER	1	1						

Fig.19. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=4TNV84T-BGGEH
(B)=4TNV84T-BGGEHR
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729508-92820	GASKET SET	1	1						1
2	2	129508-01330	GASKET, HEAD	1	1						
3	2	119609-32040	O-RING, P16	4	4						
4	2	121850-51960	O-RING	1	1						
5	2	24311-000320	O-RING, 1AP32.0	2	2						
6	2	24341-000240	O-RING, 1AS24.0	1	1						
7	2	22190-220002	WASHER, SEAL 22	1	1						
8	2	119717-11340	SEAL, VALVE STEM	8	8						
9	2	119717-11350	SEAL, VALVE STEM	8	8						
10	2	119802-11870	PROTECTOR, NOZZLE	4	4						
11	2	119625-11880	SEAT, NOZZLE	4	4						
12	2	129508-11310	GASKET, BONNET	1	1						
13	2	24311-000120	O-RING, 1AP12.0	7	7						
14	2	129508-12110	GASKET, MANIFOLD	1	1						
15	2	129150-77511	GASKET	1	1						
16	2	129550-13110	GASKET	1	1						
17	2	129508-18080	GASKET	1	1						
18	2	129508-18090	GASKET	1	1						
19	2	129150-35042	GASKET	1	1						
20	2	129150-35111	GASKET	1	1						
21	2	22190-080002	WASHER, SEAL 6	3	3						
22	2	22190-100002	WASHER, SEAL 10	2	2						
23	2	23414-100000	GASKET, 10X1.0	2	2						
24	2	24316-000160	O-RING, 4DP16.0	1	1						
25	2	129486-42021	GASKET, WATER PUMP	1	1						
26	2	129486-42140	O-RING, G30	1	1						
27	2	124395-49840	GASKET	1	1						
28	2	23414-080000	GASKET, 8X1.0	1	1						
29	2	129150-49811	GASKET, THERMOSTAT	1	1						
30	2	129795-49551	GASKET	1	1						
31	2	124465-44950	GASKET, 16	2	2						
32	2	123907-59550	GASKET	5	5						
33	1	129400-92420	HONE	1	1						1
34	1	977770-1207F	GASKET, LIQUID	1	1						1

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114250-39450	11	1
114250-53080	15	5
114250-53120	15	9
114250-53130	15	10
114250-53140	15	11
114250-53210	15	12
114250-53400	15	13
118400-44670	12	48
118400-44720	12	49
119005-12571	5	18
119131-18320	6	5
119225-52102	16	14
119255-44660	12	52
119305-59120	15	26
119609-32040	2	11
	19	3
119620-01750	3	3
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	42
	19	11
119640-01640	3	8
119640-61400	4	63
119643-66900	18	35
119650-77910	18	36

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119717-11190	4	32
119717-11340	4	33
	19	8
119717-11350	4	34
	19	9
119717-11800	4	40
119802-01520	2	6
119802-01561	2	7
119802-03070	4	52
119802-11870	4	41
	19	10
119802-13650	6	3
119802-13670	6	4
119802-13820	6	6 -1
119802-21202	9	4
119802-21660	9	8
119802-25051	7	9
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-32070	2	13
119802-32100	2	12
119802-32130	2	19
119802-35110	10	10
119802-39500	11	5
119802-49113	12	10
119802-49730	12	39
119802-51090	13	10
119802-51560	13	59
119802-51590	13	65
119802-51600	13	66
119802-51680	13	70
119802-51690	13	71
119802-55700	16	15
119802-55710	16	17
119802-55730	16	18
119802-55810	16	2
119807-61420	14	23
119808-12540	5	21
119831-42290	12	24
119934-01800	2	5
119940-59130	10	22
119940-77270	18	31
119940-77330	18	32
121023-01551	2	27
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121550-23200	9	26
121750-59890	16	12
121850-21680	9	10
121850-42410	12	8
121850-51960	2	20
	19	4
123901-39820	11	17
123907-03100	4	55
123907-03110	4	56
123907-03120	4	57
123907-03140	4	58
123907-11550	4	19
123907-11601	15	25
123907-11830	4	38
123907-59540	15	39
123907-59550	15	41
	19	32
123907-59560	15	42
124060-01050	1	11
124070-13300	11	15
124160-01751	2	8
	4	49
124160-01910	1	12
	13	
124160-11360	4	67
124160-39140	11	2
124223-39900	11	6
124240-01871	2	9
124395-49840	12	17
	19	27
124465-44950	12	35
	36	
	19	31
124550-21600	9	14
124722-59050	12	40
	43	
	15	44
124766-59050	16	5
	9	
129001-01250	1	4
129001-02931	1	29
129001-11340	4	61
129001-32330	2	16
129001-91841	2	21
129004-22500	9	17
129004-22950	9	34
129004-34802	10	1

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129004-49721	12	42
129004-55612	16	1
129005-59830	11	7
129006-35100	10	9
129006-44480	10	14
129009-11340	4	62
129062-12560	5	19
129100-01580	3	1
	9	14
	9	2
129100-01640	3	15
129100-23910	9	29
129100-42051	12	3
129100-42121	12	4
129100-55690	16	16
129103-49301	10	24
129107-44590	12	46
129120-77502	5	8
129129-77230	17	7
129129-77240	17	8
129129-77260	17	20
129129-77270	17	21
129129-77320	17	27
129129-77340	17	29
129129-77350	17	30
129129-77362	17	31
129129-77380	17	33
129129-77400	17	15
129129-77410	17	16
129129-77420	17	18
129129-77430	17	19
129129-77440	17	13
129129-77450	17	14
129129-77460	17	34
129150-01200	1	27
129150-02020	1	6
129150-02450	7	4
129150-02871	1	32
129150-02931	1	24
129150-02941	1	35
129150-03070	4	53
129150-11230	4	10
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129150-11750	4	12
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129150-23611	9	30
129150-25301	7	15
129150-35042	10	3
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129150-35111	10	12
	19	20
129150-35170	10	13
129150-49811	12	29
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129150-59131	15	29
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129150-77511	5	9
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129155-42350	12	23
129155-49801	12	28
129155-51280	14	6
129155-61460	14	25
129188-08100	1	38
129202-22300	9	21
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129246-61061	14	89
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129350-49530	12	30
129400-01730	3	6
129400-01770	3	7
129400-92420	19	33
129403-13120	6	2
129407-77010	17	1
129407-77210	17	5
129407-77220	17	6
129407-77250	17	9
129407-77280	17	22
129407-77290	17	23
129407-77300	17	24
129407-77310	17	26
129407-77330	17	28
129407-77390	17	12
129410-03990	5	14
129417-33110	10	8
129417-35150	10	11
129418-12530	5	22
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129436-35091	10	4
129457-12530	5	20
129486-01670	3	18
129486-42021	12	14
	19	25
129486-42140	12	16
	19	26
129508-01330	1	28
	19	2
129508-03010	4	51
129508-11100	4	28
129508-11110	4	29
129508-11130	4	30
129508-11180	4	31
129508-11241	4	3
129508-11250	4	4
129508-11260	4	6
129508-11270	4	7
129508-11280	4	8
129508-11310	4	60
	19	12
129508-11650	4	9
129508-11660	4	13
129508-11820	4	39
129508-11900	4	43
129508-11920	4	17
129508-12100	5	2
129508-12110	5	3
	19	14
129508-12560	5	24
129508-14580	7	3
129508-18020	8	1
129508-18080	8	2
	19	17
129508-18090	8	5
	19	18
129508-21002	9	1
129508-22080	9	15
129508-22900	9	32
129508-32111	2	17
129508-32120	2	18
129508-33010	10	6
129508-33050	10	7
129508-39450	11	4
129508-39600	11	16
129508-42001	12	1
129508-44501	12	44
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129508-49030	10	15
129508-49040	10	19
129508-59510	15	45
129508-59550	15	40
129508-59570	15	43
129508-59910	15	35
129508-59920	15	36
129508-59930	15	37
129508-59940	15	38
129509-03050	5	11
129509-03080	5	12
129509-03090	5	13
129509-11700	4	20
129509-12070	5	15
129509-51390	13	40
129550-13110	6	1
	19	16
129550-59120	15	30
129553-39650	11	27
129584-11350	4	50
129584-12060	5	1
129584-12080	5	16
129601-44560	12	51
129601-44600	12	47
129601-51250	13	132
129602-49010	12	53
129612-12650	5	23
129612-44700	12	25
129630-59010	16	4
129649-53000	15	2
129672-11510	4	35
129688-01780	3	7 -1
129693-44310	6	6
129792-39410	11	21
129795-01780	3	17
129795-01900	18	1
129795-01950	2	10
129795-02412	1	9
129795-21661	9	9
129795-49551	12	31
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158552-51600	13	74
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158552-51781	13	101
158552-52100	13	110
158552-52310	13	112
158552-52400	13	113
158552-52500	13	111
158552-61900	14	78
158553-51551	13	57
158553-51630	13	75
158553-51640	13	77
158553-51660	13	79
158553-51670	13	69
158553-51680	13	80
158553-51770	13	107
158553-61050	14	3
158553-61070	14	4
158557-51570	13	62
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158563-51330	13	49
158600-51270	13	37
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158601-51570	13	63
158601-51650	13	78
158601-51770	13	100
158601-51790	13	102
171008-03990	10	16
		20
171051-01921	1	5
171056-49120	10	26
171420-01600	3	2
171420-21590	9	12
22190-080002	11	8
		10
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	19	22
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22351-030010	9	7
	11	28
22351-050010	13	119
22351-060012	4	45
22512-070140	7	7
	9	5
22857-500100	4	64
		65
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23000-025000	11	18
23000-048000	5	4
23000-060000	5	5
		25
23000-080000	5	26
23010-038000	12	55
23010-044000	12	56
23080-015000	10	18
		23
23414-080000	12	18
	19	28
23414-100000	11	12
	19	23
23857-030000	11	9
23857-060000	13	120
23876-010000	12	12
23876-020000	4	26
	12	13
23876-030000	2	3
23876-040000	2	4
23887-120002	13	106
	14	66
24311-000070	13	122
24311-000120	4	46
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24311-000160	16	19
24311-000320	2	22
	4	69
	19	5
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26014-060122	12	50
26106-060102	13	125
	14	68
26106-060142	14	84
		85
26106-060162	2	29
	11	20
26106-060202	14	86
26106-060302	12	27
26106-080122	11	13
	12	19
26106-080142	7	8
26106-080162	2	23
		24
	3	11
	4	2
	12	20
	13	133
26106-080202	5	6
	10	25
	13	134
26106-080222	12	32
26106-080252	3	12
	4	47
26106-080302	16	3
26106-080352	3	19
	5	10
	10	5
26106-080402	7	14
26106-080452	3	13
		13 -1
	12	21
	18	34
26106-080502	3	20
	4	48
26106-080552	2	25
	10	5 -1
26106-080602	12	22
26106-080802	5	7
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26206-100302	3	5
26226-080352	4	18
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	13	128
27241-120000	1	14
27241-300000	1	10
27241-400000	4	27
729402-23100	9	23
729508-01560	1	1
729508-92820	19	1
729533-01500	2	1
729584-51300	13	1
729649-53100	15	1
977770-1207F	19	34
X0280210230	17	10
X0283060061	17	2
X0283270140	17	11
X9490561001	18	3
X9490561370	17	3
X9491200240	17	4
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