

OCR10-M78900EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 4TNV84T-ZKWLC engine manufactured since April, 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	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.

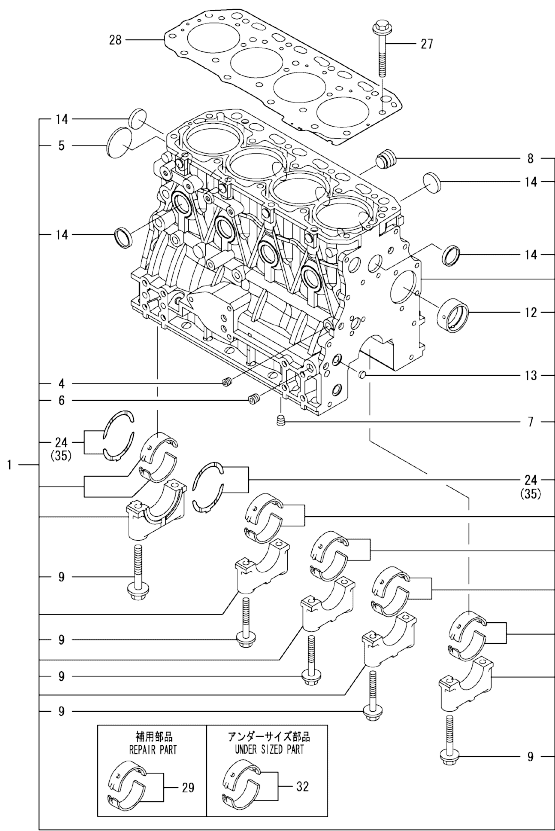
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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OCR10-M78900

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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.	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.	ELECTRONIC CONTROL UNIT (ECU)		
20.	ELECTRIC PARTS		
21.	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.

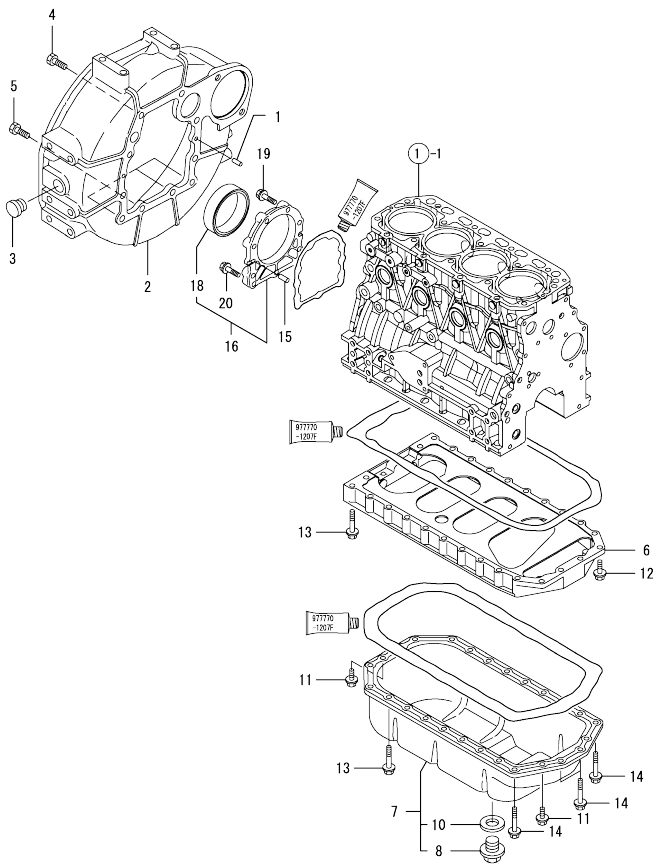
(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729509-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	129001-01250	PLUG, 50	1							
6	2	124160-01910	PLUG, PT1/4	2							
7	2	124160-01910	PLUG, PT1/4	1							
8	2	171051-01921	PLUG, NPTF1	1							
9	2	129150-02020	BOLT, METAL CAP	10							
12	2	129795-02412	BUSH, CAMSHAFT	1							
13	2	27241-120000	PLUG, 12	2							
14	2	27241-300000	PLUG 30	8							
24	2	129150-02931	BEARING, THRUST	2							
27	1	129150-01200	BOLT, HEAD	18							
28	1	129508-01330	GASKET, HEAD	1							
29	1	129001-02931	BEARING, MAIN	5							1
32	1	129150-02871	BEARING, 0.25 US	5							2
35	1	129150-02941	BEARING, THRUST 0.25	1							3

OCR10-M78900 4TNV84T-ZKWLC

Fig.3. FLYWHEEL HOUSING & OIL SUMP



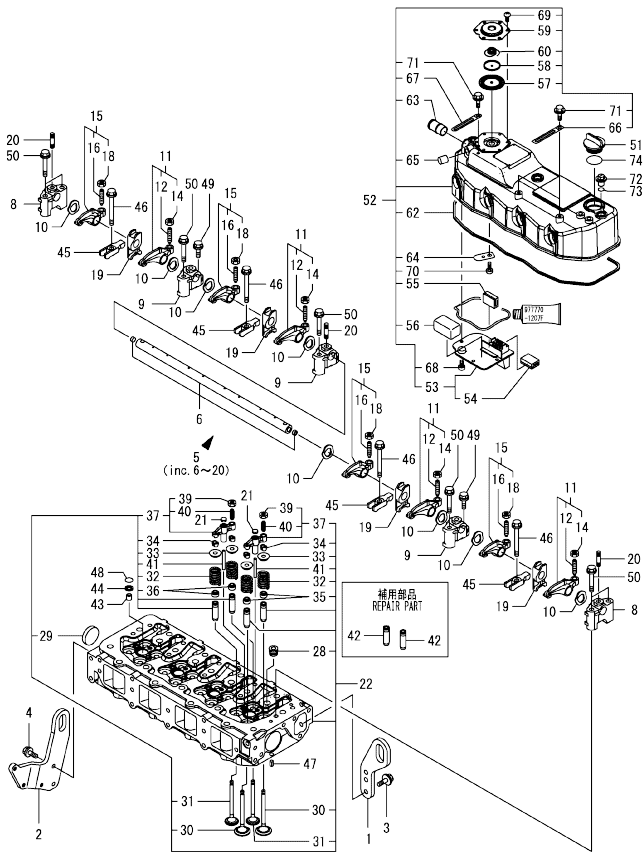
OCR10-M78900 Fig.3

(A)=4TNV84T-ZKWLC
(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	129612-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129400-01730	SPACER, OIL SUMP	1							
7	1	129436-01780	SUMP ASSY, OIL	1							
8	2	119640-01640	PLUG, DRAIN M22	1							
10	2	22190-220002	WASHER, SEAL 22	1							
11	1	26106-080162	BOLT, M8X 16 PLATED	4							
12	1	26106-080252	BOLT, M8X 25 PLATED	2							
13	1	26106-080452	BOLT, M8X 45 PLATED	20							
14	1	26106-080502	BOLT, M8X 50 PLATED	4							
15	1	129100-01580	PIN, M8X16	2							
16	1	129648-01600	CASE ASSY, OIL SEAL	1							
18	2	129648-01780	SEAL, OIL	1							
19	1	129486-01670	BOLT, M8X30	6							
20	1	26106-080352	BOLT, M8X 35 PLATED	3							

Fig.4. CYLINDER HEAD & BONNET



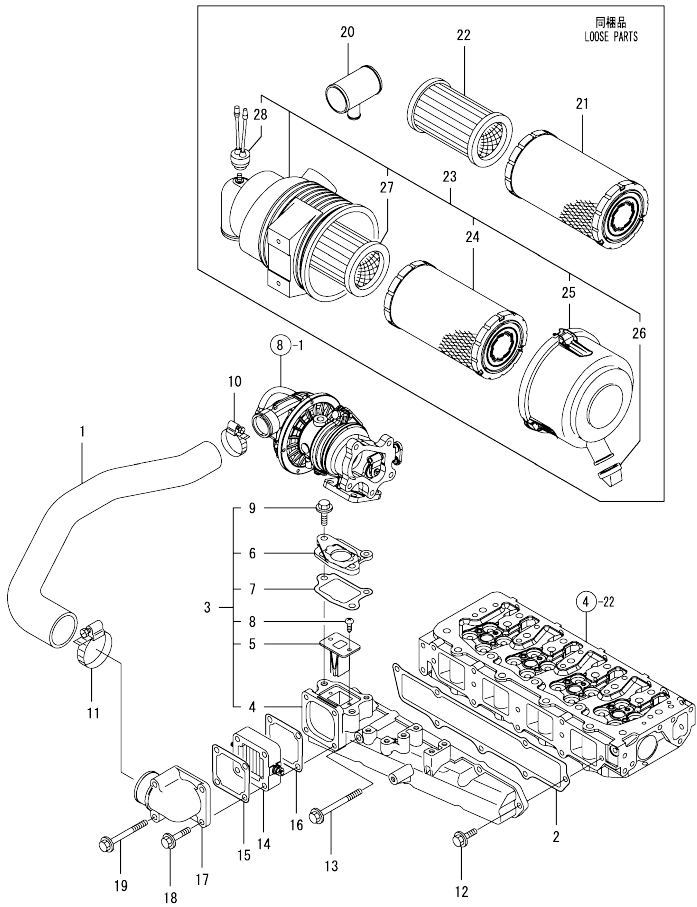
Remarks
(1) REPAIR PART.

(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
62	2	129508-11310	GASKET, BONNET	1							
63	2	129001-11340	PIPE , BREATHER	1							
64	2	129009-11340	SPRING	1							
65	2	119640-61400	PLUG	1							
66	2	129509-79700	CLIP	2							
67	2	175339-79700	CLIP	1							
68	2	22857-500100	SCREW, 5X10	4							
69	2	22857-500100	SCREW, 5X10	6							
70	2	22857-500100	SCREW, 5X10	1							
71	2	26106-060122	BOLT, M6X 12 PLATED	3							
72	1	124160-11360	KNOB	3							
73	1	24311-000120	O-RING, 1AP12.0	3							
74	1	24311-000320	O-RING, 1AP32.0	1							

Fig.5. SUCTION MANIFOLD & AIR CLEANER

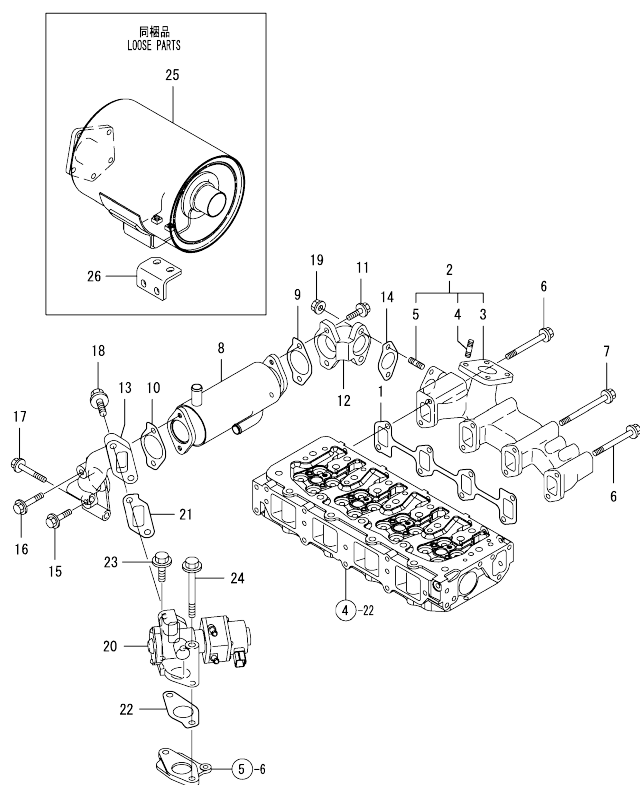


(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129509-12060	PIPE, AIR INTAKE	1							
2	1	129508-12110	GASKET, MANIFOLD	1							
3	1	129509-12150	MANIFOLD ASSY,INTAKE	1							
4	2	129509-12100	MANIFOLD, AIR INTAKE	1							
5	2	129509-13700	VALVE	1							
6	2	129509-13710	SPACER	1							
7	2	129509-13720	GASKET	1							
8	2	22857-500160	SCREW, 5X16	2							
9	2	26106-080202	BOLT, M8X 20 PLATED	1							
10	1	23000-048000	CLAMP, 48	1							
11	1	23000-060000	CLAMP, 60	1							
12	1	26106-080202	BOLT, M8X 20 PLATED	5							
13	1	26106-080902	BOLT, M8X 90 PLATED	2							
14	1	129100-77501	HEATER	1							
15	1	129100-77510	GASKET, AIR HEATER	1							
16	1	129150-77511	GASKET	1							
17	1	171340-77520	BEND	1							
18	1	26106-080402	BOLT, M8X 40 PLATED	2							
19	1	26106-080802	BOLT, M8X 80 PLATED	2							
20	1	129509-03050	JOINT, BREATHER	1							
21	1	129906-12520	ELEMENT	1							
22	1	119005-12571	ELEMENT	1							
23	1	129601-12610	CLEANER ASSY, AIR	1							
24	2	129906-12520	ELEMENT	1							
25	2	129457-12530	COVER	1							
26	2	119808-12540	VALVE, UNLOADER	1							
27	2	119005-12571	ELEMENT	1							
28	2	119140-12680	INDICATOR	1							

Fig.6. EXHAUST MANIFOLD & SILENCER



0CR10-M78900 Fig.6

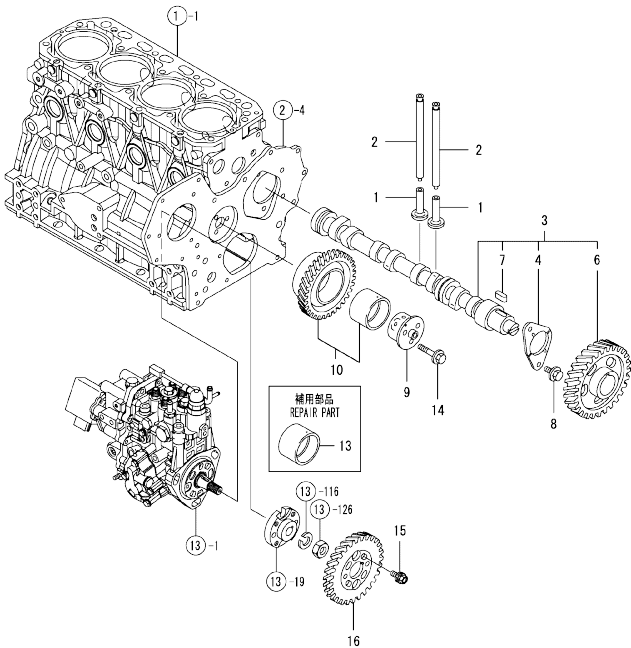
(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129550-13110	GASKET	1							
2	1	129509-13150	MANIFOLD ASSY	1							
3	2	129509-13100	MANIFOLD, EXHAUST	1							
4	2	129418-18320	STUD, M8X20	4							
5	2	129418-18320	STUD, M8X20	2							
6	1	123900-13630	BOLT, M8X80	4							
7	1	129693-44310	BOLT	4							
7-1	1	119802-13820	BOLT, M8X100 9.8T	4							N
(A=2009.12)											
8	1	129509-13400	COOLER, EGR	1							
9	1	129928-13410	GASKET	1							
10	1	129928-13410	GASKET	1							
11	1	119802-13790	BOLT, M8X25 10.9T	2							
12	1	129928-13800	PIPE	1							
13	1	129509-13810	PIPE	1							
14	1	129927-13810	GASKET	1							
15	1	26106-080352	BOLT, M8X 35 PLATED	1							
16	1	26106-080452	BOLT, M8X 45 PLATED	1							
17	1	26106-080552	BOLT, M8X 55 PLATED	2							
18	1	26106-100252	BOLT, M10X 25 PLATED	2							
19	1	26306-080002	NUT, M8	2							
20	1	129928-13900	VALVE	1							
21	1	129927-13910	GASKET	1							
22	1	129927-13920	GASKET	1							
23	1	26106-100402	BOLT, M10X 40 PLATED	1							
24	1	26106-101052	BOLT, M10X105 PLATED	1							
25	1	129648-13520	SILENCER	1							
26	1	129648-13570	SUPPORT, SILENCER	1							

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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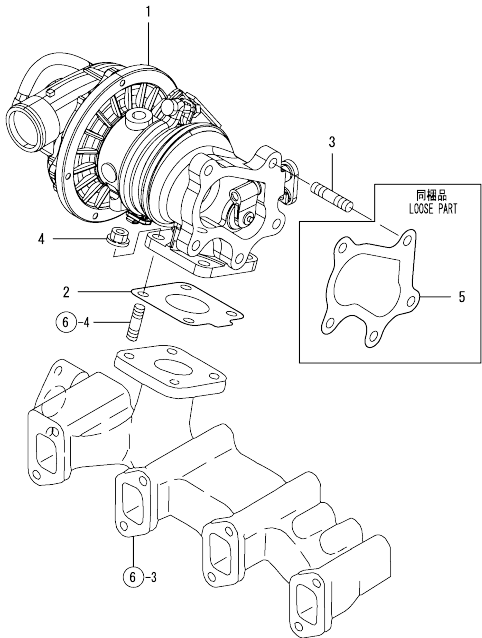
Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129150-14400	ROD, PUSH L=178	8							
3	1	129508-14580	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							

Fig.8. TURBINE



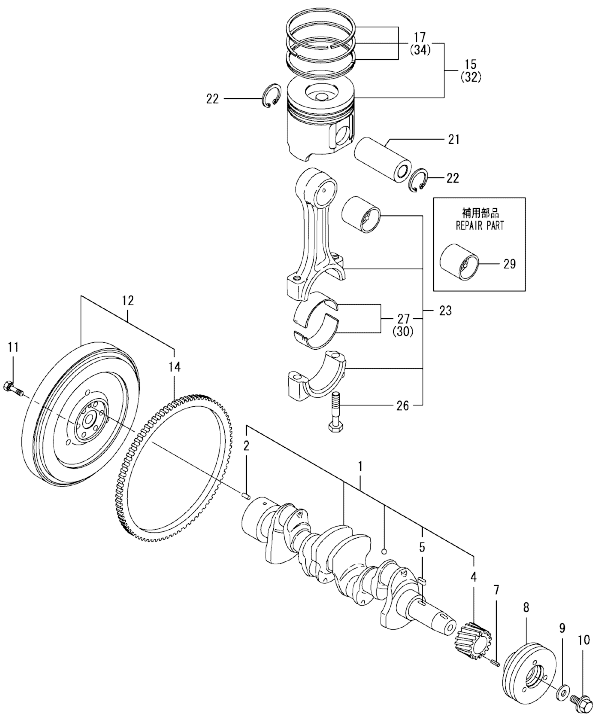
(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129508-18010	TURBINE, RHF4	1							
2	1	129508-18080	GASKET	1							
3	1	129418-18320	STUD, M8X20	5							
4	1	26306-080002	NUT, M8	4							
5	1	129508-18090	GASKET	1							

OCR10-M78900 4TNV84T-ZKWLC

Fig.9. CRANKSHAFT & PISTON



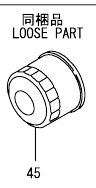
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

OCR10-M78900 Fig.9

(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

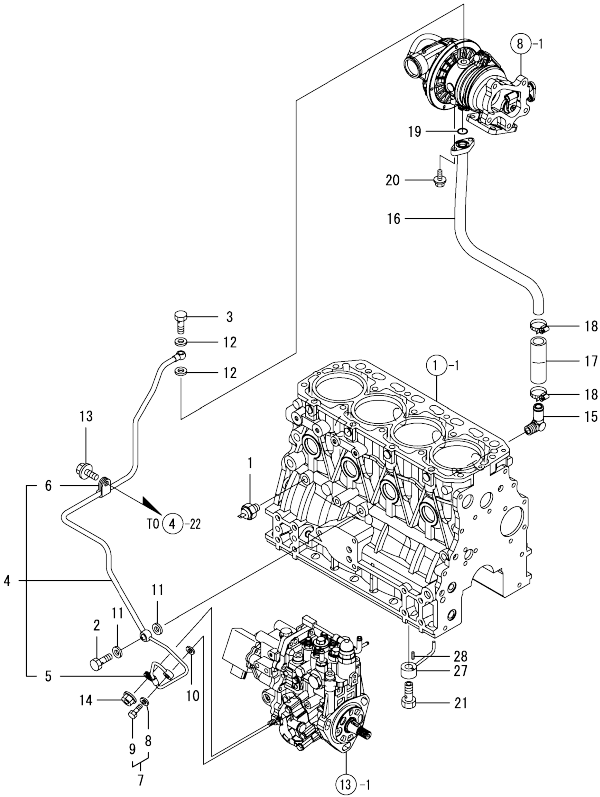
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129509-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	119802-21660	V-PULLEY, 120	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	129489-21590	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	1							
15	1	129509-22080	PISTON ASSY	4							
17	2	129509-22500	RING SET, PISTON	4							
21	1	129202-22300	PIN, PISTON D26 L70	4							
22	1	22252-000260	RING, 26	8							
23	1	729402-23100	ROD ASSY, CONNECTING	4							
26	2	121550-23200	BOLT, CONNECTING ROD	8							
27	2	129150-23601	BEARING, CRANK PIN	4							
29	1	129100-23910	BEARING, PISTON PIN	4							1
30	1	129150-23611	BEARING, 0.25 US	4							2
32	1	729509-22900	PISTON ASSY, 0.25 OS	4							3
34	2	729509-22950	RING SET, 0.25 OS	4							3



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

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Fig.11. LUB.OIL LINE

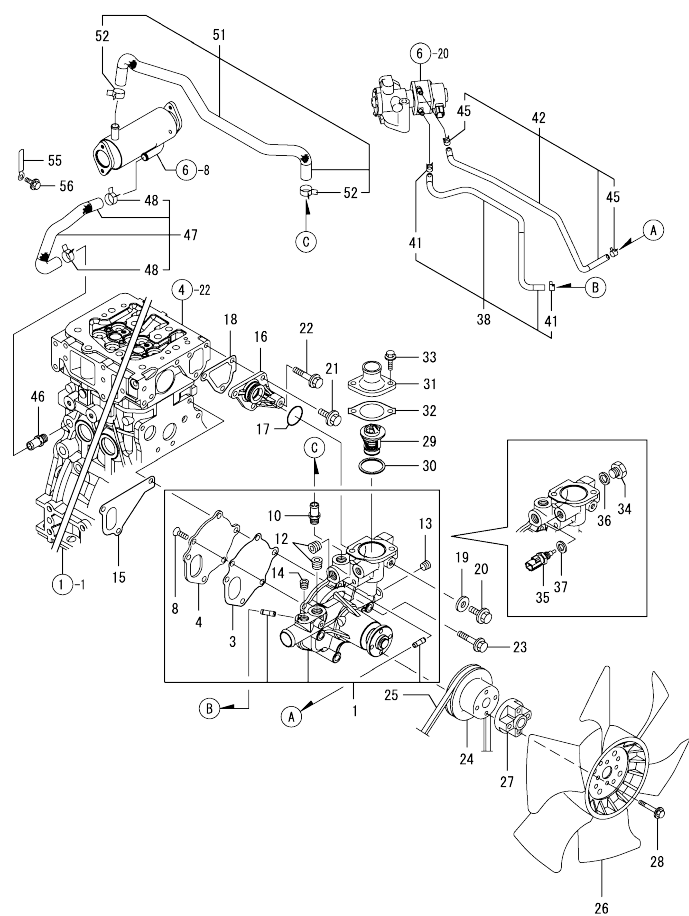


(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119761-39450	SWITCH, 0.5KG	1							
2	1	124160-39140	BOLT, PIPE JOINT M10	1							
3	1	121252-39150	BOLT, JOINT M10X1.5	1							
4	1	129508-39450	PIPE ASSY, OIL	1							
5	2	119802-39500	RETAINER, PIPE	1							
6	2	124223-39900	RETAINER	1							
7	1	129005-59830	BOLT ASSY, JOINT M8	1							
8	2	22190-080002	WASHER, SEAL 6	1							
9	2	23857-030000	BOLT, JOINT 3	1							
10	1	22190-080002	WASHER, SEAL 6	1							
11	1	22190-100002	WASHER, SEAL 10	2							
12	1	23414-100000	GASKET, 10X1.0	2							
13	1	26106-080122	BOLT, M8X 12 PLATED	1							
14	1	26366-060002	NUT, M6	1							
15	1	124070-13300	ELBOW, PT3/8	1							
16	1	129508-39600	PIPE, OIL	1							
17	1	123901-39820	HOSE	1							
18	1	23000-025000	CLAMP, 25	2							
19	1	24316-000160	O-RING, 4DP16.0	1							
20	1	26106-060162	BOLT, M6X 16 PLATED	2							
21	1	129792-39410	VALVE ASSY, CHECK	4							
27	1	129553-39650	NOZZLE	4							
28	1	22351-030010	PIN, SPRING 3.0X10	4							

Fig.12. COOLING WATER SYSTEM

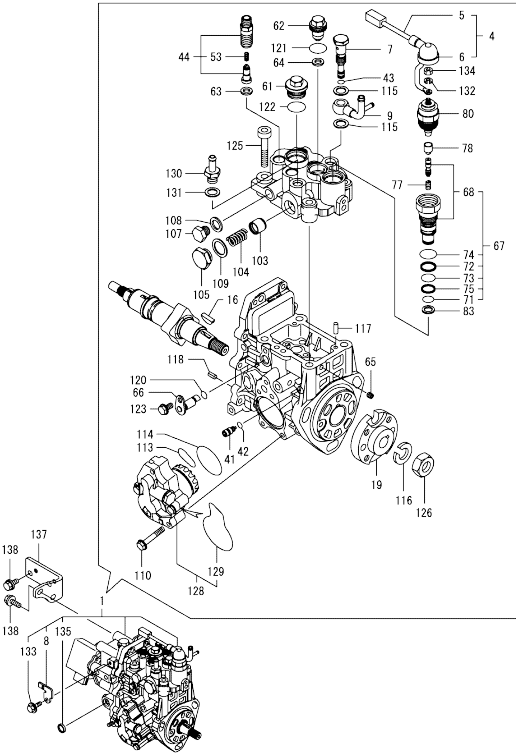


(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129509-42010	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	129928-49420	JOINT	1							
12	2	129916-49740	PLUG, R03	2							
13	2	23876-010000	PLUG, R01	1							
14	2	23876-020000	PLUG, R02	1							
15	1	129486-42021	GASKET, WATER PUMP	1							
16	1	129004-42040	JOINT	1							
17	1	129486-42140	O-RING, G30	1							
18	1	124395-49840	GASKET	1							
19	1	23414-080000	GASKET, 8X1.0	1							
20	1	26106-080122	BOLT, M8X 12 PLATED	1							
21	1	26106-080162	BOLT, M8X 16 PLATED	3							
22	1	26106-080452	BOLT, M8X 45 PLATED	1							
23	1	26106-080602	BOLT, M8X 60 PLATED	3							
24	1	129155-42350	V-PULLEY	1							
25	1	25132-003800	V-BELT, A38	1							
26	1	129648-44700	FAN, COOLING	1							
27	1	171353-44760	SPACER, FAN	1							
28	1	26106-060402	BOLT, M6X 40 PLATED	4							
29	1	129155-49801	THERMOSTAT, 71	1							
30	1	129150-49811	GASKET, THERMOSTAT	1							
31	1	129350-49530	COVER, THERMOSTAT	1							
32	1	129795-49551	GASKET	1							
33	1	26106-080222	BOLT, M8X 22 PLATED	2							
34	1	121450-42450	PLUG, M16	1							
35	1	129927-44900	SENSOR	1							
36	1	124465-44950	GASKET, 16	1							
37	1	22190-120002	WASHER, SEAL 12	1							
38	1	129509-49630	PIPE, WATER	1							
41	2	23080-012000	CLAMP, 12	2							
42	1	129509-49640	PIPE, WATER	1							
45	2	23080-012000	CLAMP, 12	2							
46	1	129928-49420	JOINT	1							
47	1	129509-49610	PIPE, WATER	1							
48	2	129960-03990	CLIP, HOSE 22	2							
51	1	129509-49620	PIPE, WATER	1							
52	2	129960-03990	CLIP, HOSE 22	2							
55	1	105430-67110	CLAMP, CORD	1							
56	1	26106-080122	BOLT, M8X 12 PLATED	1							

Fig.13. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY (FIG.14) IS INCORPORATED IN THIS FUEL INJECTION PUMP (REF.NO.1).
(1) ECO PUMP
MAKE SURE TO UPDATE THE ENGINES ECU INFORMATION WHEN REPLACING THE ECO PUMP.
FAILING TO DO SO WILL RESULT IN ENGINE MALFUNCTION.

OCR10-M78900 Fig.13

(A)=4TNV84T-ZKWLC
(D)=
(E)=
(F)=

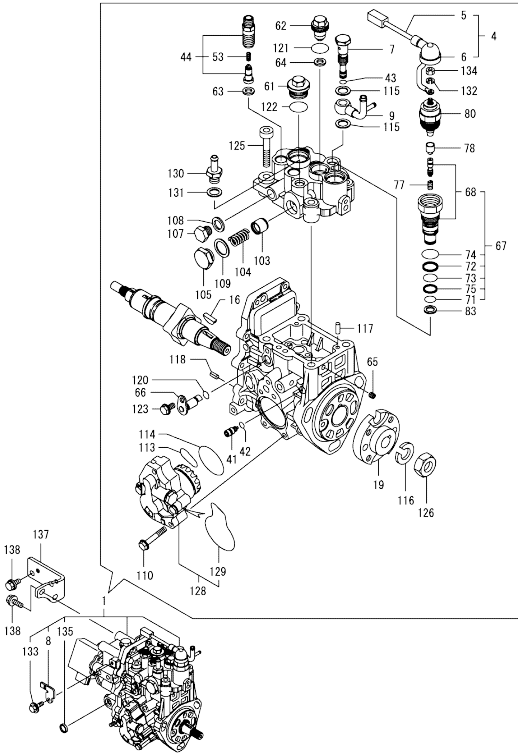
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729536-51340	FIE ASSY	1							1
4	2	129927-51650	HARNESS ASSY, WIRE	1							
5	3	129927-51660	HARNESS	1							
6	3	129263-77941	CAP, RUBBER	1							
7	2	158601-51650	JOINT, OVER FLOW	1							
8	2	129927-51670	BRACKET	1							
9	2	158552-51670	JOINT, OVER FLOW	1							
16	2	119802-51090	FEATHER KEY, 4X16	1							
19	2	158552-51151	FLANGE	1							
41	2	158600-51270	STOPPER, TAPPET	1							
42	2	158563-51281	O-RING, 4D S6	1							
43	2	158563-51281	O-RING, 4D S6	1							
44	2	129008-51390	VALVE ASSY, DELIVERY	4							
53	3	158563-51330	SPRING, DELIVERY	4							
61	2	158601-51550	PLUG, M22	1							
62	2	119802-51560	PLUG, M14	1							
63	2	158552-51571	GASKET, PLUG	4							
64	2	158552-51571	GASKET, PLUG	1							
65	2	158557-51570	PLUG, RACK	1							
66	2	158552-51580	LIFTER, LINK	1							
67	2	129657-51590	TIMER ASSY	1							
68	3	129657-51600	TIMER ASSY	1							
71	3	158553-51670	O-RING	1							
72	3	119802-51680	RING, BACKUP	1							
73	3	119802-51690	O-RING	1							
74	3	24356-010200	O-RING, 4D1020	1							
75	3	24372-000150	RING, BACK UP T2P15	1							
77	2	119852-51630	SPRING, TIMER	1							
78	2	119852-51640	CAP, TIMER	1							
80	2	119852-51650	VALVE ASSY, SOLENOID	1							
83	2	158553-51680	GASKET, TIMER	1							
103	2	158601-51770	PISTON, ACCUMULATOR	1							
104	2	158552-51781	SPRING, ACCUMULATOR	1							
105	2	158601-51790	PLUG	1							
107	2	158553-51930	PLUG, M12	1							
108	2	22190-120002	WASHER, SEAL 12	1							
109	2	22190-180002	WASHER, SEAL 18	1							
110	2	158553-51770	BOLT	4							
113	2	158552-52310	O-RING	1							
114	2	158552-52400	O-RING, 4E S42	1							
115	2	22190-120002	WASHER, SEAL 12	2							
116	2	22217-140000	WASHER, SPRING 14	1							
117	2	22312-050140	PIN, PARALLEL M5X14	2							
118	2	22351-050010	PIN, SPRING 5.0X10	2							
120	2	24311-000070	O-RING, 1AP7.0	1							
121	2	24356-010180	O-RING, 4D1018	1							
122	2	24356-010200	O-RING, 4D1020	1							
123	2	26106-060102	BOLT, M6X 10 PLATED	1							
125	2	26450-080452	BOLT, M8X 45	4							
126	2	26776-140002	NUT, LOCK M14	1							
128	2	158552-52100	PUMP ASSY, FUEL FEED	1							

N:Old, ^{NEW}/_{OLD} New, Q:Old, ^{NEW}/_{OLD} New, R:Old, ^{NEW}/_{OLD} New, S:Old, ^{NEW}/_{OLD} New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

++ CONTINUE ++

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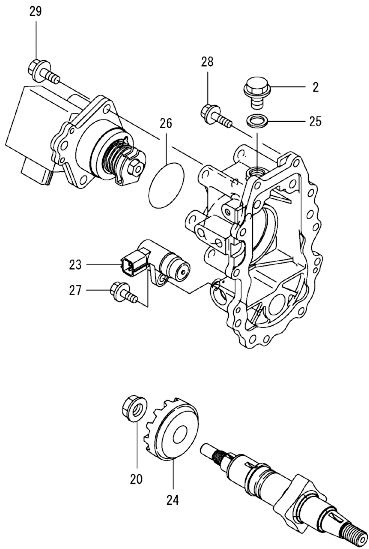
Fig.13. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY (FIG.14) IS INCORPORATED IN THIS FUEL INJECTION PUMP (REF.NO.1).
(1) ECO PUMP.
MAKE SURE TO UPDATE THE ENGINES ECU INFORMATION WHEN REPLACING THE ECO PUMP.
FAILING TO DO SO WILL RESULT IN ENGINE MALFUNCTION.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
129	3	158552-52500	O-RING	1							
130	2	119934-59910	JOINT, PIPE	1							
131	2	22190-120002	WASHER, SEAL 12	1							
132	2	22217-050000	WASHER, SPRING 5	1							
133	2	26106-060142	BOLT, M6X 14 PLATED	1							
134	2	26716-050002	NUT, M5	1							
135	2	27241-160000	PLUG, 16	1							
137	1	129263-51251	RETAINER, PUMP	1							
138	1	26106-080162	BOLT, M8X 16 PLATED	4							

Fig.14. GOVERNOR



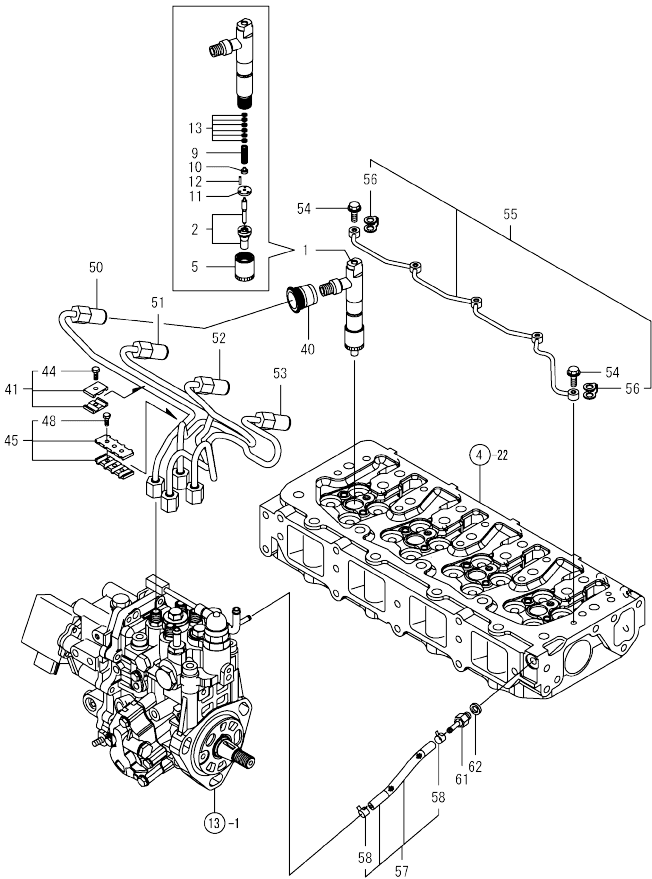
Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.13).

(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-51930	PLUG, M12	1							
20	2	129008-61301	NUT	1							
23	2	158557-61720	SENSOR	1							
24	2	158553-61780	GEAR, SENSOR	1							
25	2	22190-120002	WASHER, SEAL 12	1							
26	2	24341-000480	O-RING, 1AS48.0	1							
27	2	26106-060162	BOLT, M6X 16 PLATED	1							
28	2	26106-060202	BOLT, M6X 20 PLATED	10							
29	2	26106-080252	BOLT, M8X 25 PLATED	3							

Fig.15. FUEL INJECTION VALVE

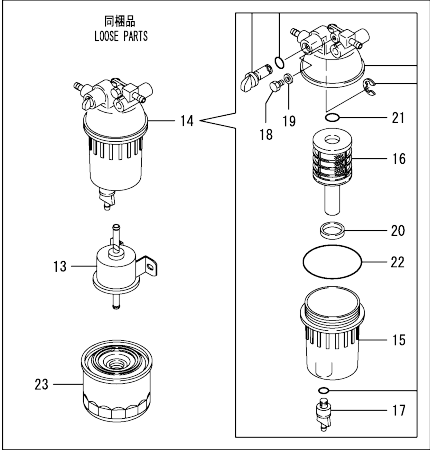
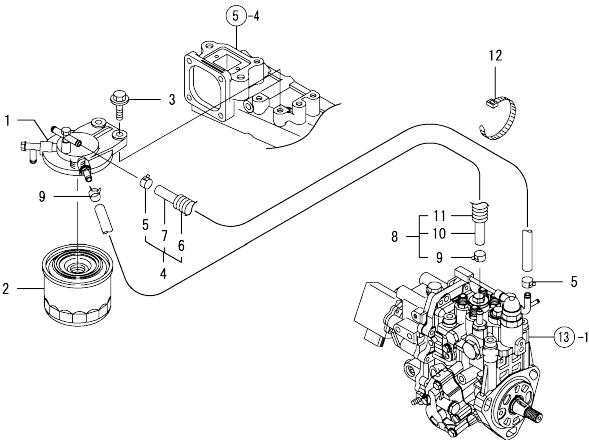


(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729530-53200	VALVE ASSY,INJECTION	4							
2	2	129530-53000	VALVE ASSY,INJECTION	4							
5	2	114250-53080	NUT, NOZZLE D16.95	4							
9	2	114250-53120	SPRING, NOZZLE	4							
10	2	114250-53130	SEAT, SPRING	4							
11	2	114250-53140	PLATE	4							
12	2	114250-53210	PIN	8							
13	2	119803-53400	SHIM SET	4							
40	1	123907-11601	SEAL	4							
41	1	119305-59120	RETAINER, PIPE	2							
44	2	129150-59131	BOLT, M4X14	2							
45	1	129550-59120	RETAINER, PIPE	1							
48	2	129150-59131	BOLT, M4X14	2							
50	1	129508-59910	PIPE ASSY, INJECTION	1							
51	1	129508-59920	PIPE ASSY, INJECTION	1							
52	1	129508-59930	PIPE ASSY, INJECTION	1							
53	1	129508-59940	PIPE ASSY, INJECTION	1							
54	1	123907-59540	BOLT, PIPE JOINT M6	5							
55	1	129508-59550	PIPE ASSY, RETURN	1							
56	2	123907-59550	GASKET	5							
57	1	129509-59550	PIPE ASSY, FUEL	1							
58	2	124722-59050	CLIP, HOSE 9	2							
61	1	123907-59560	JOINT	1							
62	1	22190-080002	WASHER, SEAL 6	1							

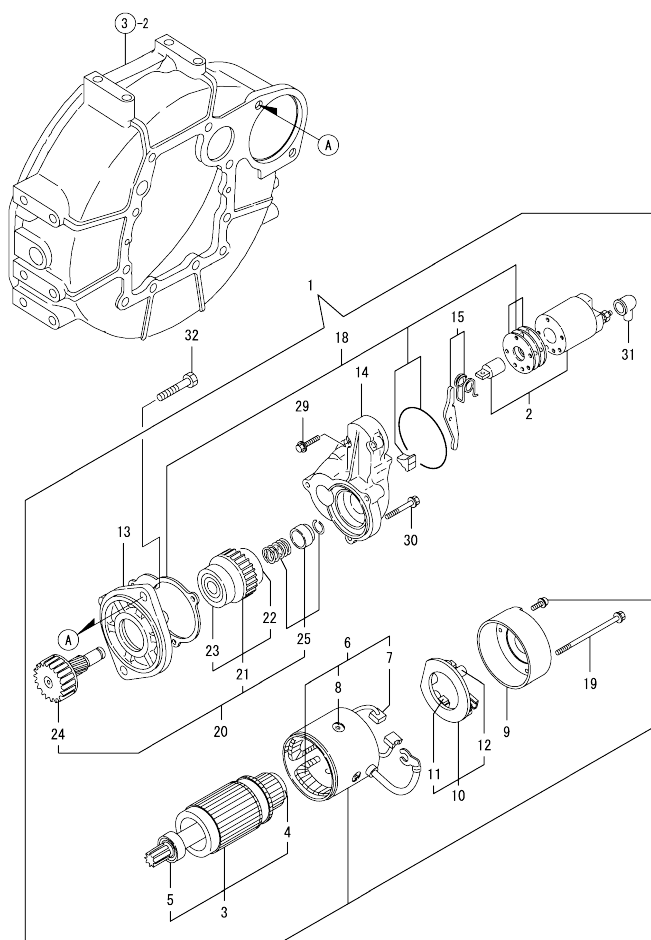
Fig.16. FUEL LINE



(A)=4TNV84T-ZKWLC
(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	129457-59010	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129957-59120	TUBE, CORRUGATED	1							
7	2	105025-59750	PIPE, FUEL	1							
8	1	129961-59310	PIPE ASSY, FUEL	1							
9	2	124766-59050	CLIP, HOSE 12	2							
10	2	129136-59110	PIPE, D13/7.5X270	1							
11	2	129961-59110	TUBE, CORRUGATED	1							
12	1	121750-59890	BAND, 140	1							
13	1	119225-52102	PUMP ASSY, FUEL FEED	1							
14	1	129242-55700	SEPARATOR ASSY	1							
15	2	129242-55720	CUP	1							
16	2	129242-55730	ELEMENT	1							
17	2	129242-55740	PLUG, DRAIN	1							
18	2	129242-55750	VALVE, AIR VENT	1							
19	2	129242-55760	GASKET	1							
20	2	129242-55770	FLOAT	1							
21	2	24311-000160	O-RING, 1AP16.0	1							
22	2	24321-000750	O-RING, 1AG75.0	1							
23	1	119802-55810	FILTER,FO	1							

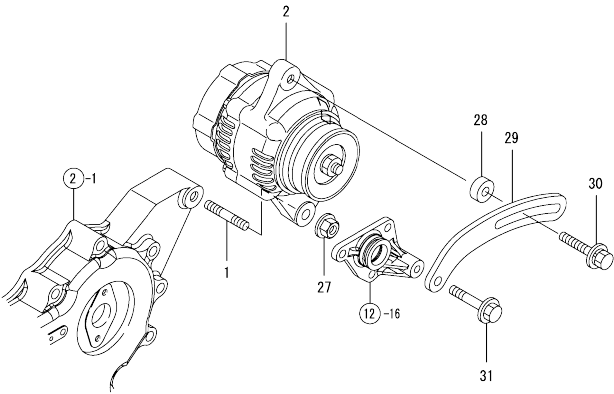
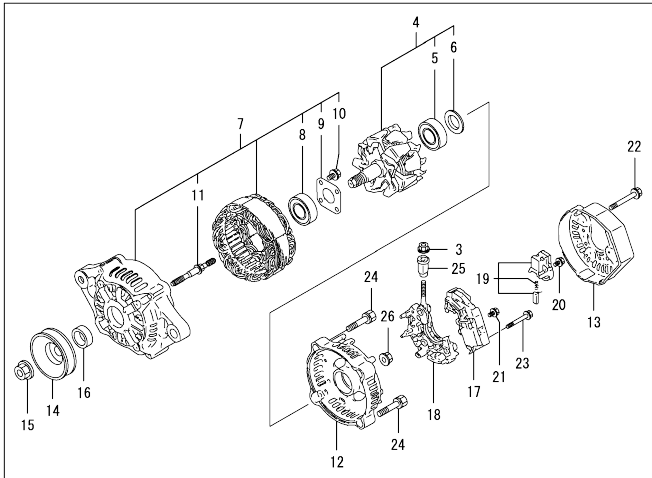


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129136-77011	STARTER	1							
2	2	129136-77310	SWITCH ASSY	1							
3	2	129900-77400	ARMATURE ASSY	1							
4	3	X2130350900	BALL BEARING	1							
5	3	X2114255110	BEARING, BALL	1							
6	2	129900-77440	COIL ASSY, FIELD	1							
7	3	129900-77450	BRUSH (+)	2							
8	3	171008-77450	SCREW	4							
9	2	129900-77460	COVER, REAR	1							
10	2	129900-77480	HOLDER ASSY, BRASH	1							
11	3	129900-77450	BRUSH (+)	2							
12	3	129400-77490	SPRING, BRUSH	4							
13	2	171008-77510	HOUSING ASSY, GEAR	1							
14	2	129136-77520	CENTER HOUSING	1							
15	2	171008-77540	LEVER SET, SHIFT	1							
18	2	129400-77571	DUST COVER, (NON-ASSB.	1							
19	2	129900-77640	BOLT, THROUGH	2							
20	2	171008-77650	PINION ASSY	1							
21	3	X2114555500	CLUTCH ASSY	1							
22	4	X2114955020	BALL BEARING	1							
23	4	X2240410100	BEARING, BALL	1							
24	3	171008-77660	SHAFT, PINION	1							
25	3	171008-77670	STOPPER SET, PINION	1							
29	2	26106-060322	BOLT, M6X 32 PLATED	2							
30	2	26106-060402	BOLT, M6X 40 PLATED	3							
31	2	171008-77750	COVER, M TERMINAL	1							
32	1	26116-120252	BOLT, M12X 25 PLATED	2							

Fig.18. GENERATOR

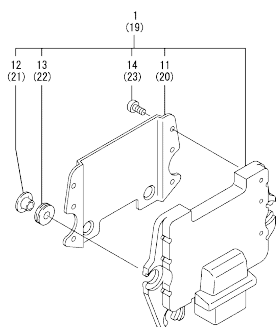
(A)=4TNV84T-ZKWLC
(B)=
(C)=

(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	119626-77210	ALTERNATOR, 12V-55A	1							
3	2	X9490561001	NUT	1							
4	2	129052-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	129052-77422	FRAME ASSY	1							
8	3	119620-79200	BALL BEARING	1							
9	3	119620-79210	PLATE, RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	STUD	2							
12	2	128401-77440	FRAME	1							
13	2	119626-77450	COVER, END, RR	1							
14	2	119620-77461	PULLEY	1							
15	2	119620-77471	NUT	1							
16	2	119620-77490	COLLAR	1							
17	2	119626-77710	REGULATOR ASSY	1							
18	2	129052-79260	HOLDER	1							
19	2	129052-79270	HOLDER, BRUSH	1							
20	2	119620-79290	SCREW	6							
21	2	119620-79300	SCREW	1							
22	2	119620-79310	BOLT	3							
23	2	119620-79320	SCREW	2							
24	2	119620-79330	BOLT	2							
25	2	119620-79340	BUSH, INSULATION	1							
26	2	119620-79350	NUT	2							
27	1	26306-100002	NUT, M10	1							
28	1	119940-77270	SPACER, GENERATOR	1							
29	1	119802-77330	ADJUSTER	1							
30	1	129972-77341	BOLT, ADJUSTER L=50	1							
31	1	26106-080452	BOLT, M8X 45 PLATED	1							

Fig.19. ELECTRONIC CONTROL UNIT (ECU)



(1) ECU ECU
THIS PART CANNOT BE ORDERED.
REPLACE THE PART USING A SERVICE
ECU WITH THE PROPER ENGINE
INFORMATION INSTALLED.

(2) SERVICE ECU
IF THE PROPER INFORMATION IS NOT
INSTALLED, THE ENGINE WILL NOT
OPERATE.
TO INSTALL PROPER INFORMATION,
GO TO AN AUTHORIZED DISTRIBUTOR.

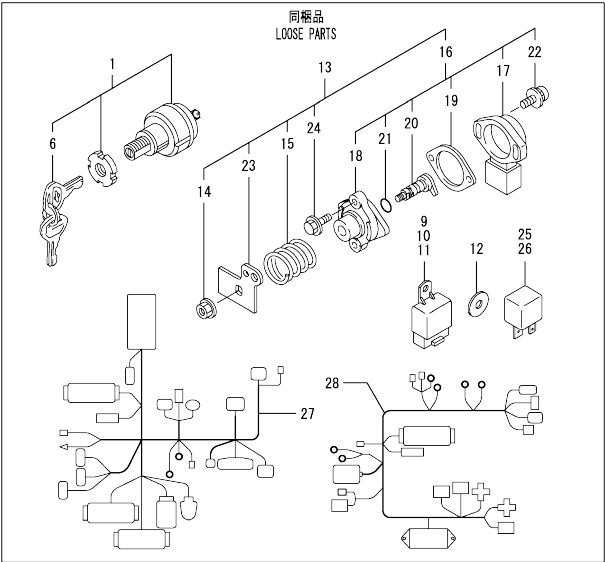
(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129536-75060	CONTROLLER ASSY, EUC	1							1
11	2	129927-77600	SHIELD	1							
12	2	129927-77680	COLLAR	3							
13	2	119578-91351	ABSORBER	3							
14	2	22877-500080	SCREW, 5X 8	6							
19	1	129927-75900	CONTROLLER ASSY, EUC	1							2
20	2	129927-77600	SHIELD	1							
21	2	129927-77680	COLLAR	3							
22	2	119578-91351	ABSORBER	3							
23	2	22877-500080	SCREW, 5X 8	6							

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

Fig.20. ELECTRIC PARTS

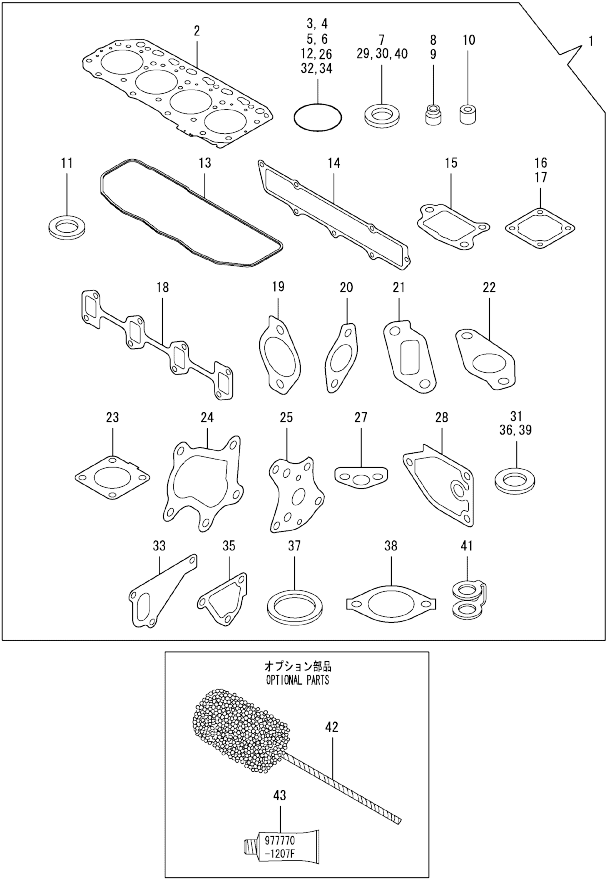


(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194215-52110	SWITCH, STARTING	1							
6	2	194155-52160	KEY ASSY	1							
9	1	198461-52950	RELAY, CA TYPE C	1							
10	1	198461-52950	RELAY, CA TYPE C	1							
11	1	198461-52950	RELAY, CA TYPE C	1							
12	1	129927-77690	WASHER	3							
13	1	129938-77800	SENSOR ASSY	1							
14	2	194990-22130	NUT, M6	1							
15	2	119060-61990	SPRING, RETURN	1							
16	2	129054-77800	SENSOR ASSY	1							
17	3	185100-50070	BODY	1							
18	3	129054-77811	SUPPORT	1							
19	3	129054-77820	GASKET, SUPPORT	1							
20	3	129054-77830	SHAFT ASY	1							
21	3	24311-000070	O-RING, 1AP7.0	1							
22	3	26023-040202	SCREW, M4X20	2							
23	2	129938-77810	LEVER	1							
24	2	26106-060122	BOLT, M6X 12 PLATED	2							
25	1	129927-77920	RELAY	1							
26	1	129927-77930	RELAY	1							
27	1	129927-91040	HARNESS, WIRE	1							
28	1	129927-91050	HARNESS, WIRE	1							

Fig.21. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=4TNV84T-ZKWLC
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729509-92640	GASKET SET	1							1
2	2	129508-01330	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	119717-11340	SEAL, VALVE STEM	8							
9	2	119717-11350	SEAL, VALVE STEM	8							
10	2	119802-11870	PROTECTOR, NOZZLE	4							
11	2	119625-11880	SEAT, NOZZLE	4							
12	2	24311-000120	O-RING, 1AP12.0	7							
13	2	129508-11310	GASKET, BONNET	1							
14	2	129508-12110	GASKET, MANIFOLD	1							
15	2	129509-13720	GASKET	1							
16	2	129100-77510	GASKET, AIR HEATER	1							
17	2	129150-77511	GASKET	1							
18	2	129550-13110	GASKET	1							
19	2	129928-13410	GASKET	2							
20	2	129927-13810	GASKET	1							
21	2	129927-13910	GASKET	1							
22	2	129927-13920	GASKET	1							
23	2	129508-18080	GASKET	1							
24	2	129508-18090	GASKET	1							
25	2	129150-30200	GASKET, PUMP	1							
26	2	24316-240100	O-RING, 4DP10A	1							
27	2	129150-35042	GASKET	1							
28	2	129150-35111	GASKET	1							
29	2	22190-080002	WASHER, SEAL 6	3							
30	2	22190-100002	WASHER, SEAL 10	2							
31	2	23414-100000	GASKET, 10X1.0	2							
32	2	24316-000160	O-RING, 4DP16.0	1							
33	2	129486-42021	GASKET, WATER PUMP	1							
34	2	129486-42140	O-RING, G30	1							
35	2	124395-49840	GASKET	1							
36	2	23414-080000	GASKET, 8X1.0	1							
37	2	129150-49811	GASKET, THERMOSTAT	1							
38	2	129795-49551	GASKET	1							
39	2	124465-44950	GASKET, 16	1							
40	2	22190-120002	WASHER, SEAL 12	1							
41	2	123907-59550	GASKET	5							
42	1	129400-92420	FLEX HORN	1							1
43	1	977770-1207F	GASKET,LIQUID	1							1

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114250-53140	15	11
114250-53210	15	12
119005-12571	5	22
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119060-61990	20	15
119140-12680	5	28
119225-52102	16	13
119260-34810	10	17
119305-59120	15	41
119578-91351	19	13
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119609-32040	2	9
	21	3
119620-01750	3	3
119620-77461	18	14
119620-77471	18	15
119620-77490	18	16
119620-79200	18	8
119620-79210	18	9
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119620-79230	18	11
119620-79250	18	6
119620-79290	18	20
119620-79300	18	21
119620-79310	18	22
119620-79320	18	23
119620-79330	18	24
119620-79340	18	25
119620-79350	18	26
119625-11880	4	44
	21	11
119626-77210	18	2
119626-77450	18	13
119626-77710	18	17
119640-01640	3	8
119640-61400	4	65
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119717-11340	4	35
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119802-25101	7	10
119802-25901	7	16
119802-35110	10	28
119802-39500	11	5
119802-51090	13	16
119802-51560	13	62
119802-51680	13	72
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119802-77330	18	29
119803-01520	2	4
119803-21200	9	4
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119934-59910	13	130
119940-59130	10	40
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121023-01551	2	19
121111-21501	9	11
121252-39150	11	3
121450-42450	12	34
121550-23200	9	26
121750-59890	16	12
121850-21680	9	10
121850-42410	12	8
121850-51960	2	10
	21	4
123501-79240	18	5
123900-13630	6	6
123901-39820	11	17
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123907-03120	4	59
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124160-01751	2	6
	4	51
124160-01910	1	6
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124160-11360	4	72
124160-39140	11	2
124223-39900	11	6
124240-01871	2	7
124395-49840	12	18
	21	35
124465-44950	12	36
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128401-77440	18	12
129001-01250	1	5
129001-02931	1	29
129001-11340	4	63
129004-42040	12	16
129004-55612	16	1
129005-59830	11	7
129006-35100	10	27
129006-44480	10	32
129008-51390	13	44
129008-61301	14	20
129009-11340	4	64
129052-77380	18	4
129052-77422	18	7
129052-79260	18	18
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129054-77800	20	16
129054-77811	20	18
129054-77820	20	19
129054-77830	20	20
129100-01580	3	1
	15	
	9	2
129100-23910	9	29
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129136-77520	17	14
129150-01200	1	27
129150-02020	1	9
129150-02450	7	4
129150-02871	1	32
129150-02931	1	24
129150-02941	1	35
129150-03070	4	55
129150-11230	4	12
	16	
129150-11750	4	14
	18	
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129150-14101	7	6
129150-14200	7	1
129150-14400	7	2
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129155-42350	12	24
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129242-55700	16	14
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129400-92420	21	42
129417-33110	10	26
129417-35150	10	29
129418-18320	6	4
		5
	8	3
129418-32000	10	1
129436-01780	3	7
129436-35070	10	22 -1
129436-35091	10	22
129457-12530	5	25
129457-59010	16	4
129486-01670	3	19
129486-07901	4	1
129486-42021	12	15
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129489-21590	9	12
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129508-03010	4	53
129508-11100	4	30
129508-11110	4	31
129508-11130	4	32
129508-11180	4	33
129508-11241	4	5
129508-11250	4	6
129508-11260	4	8
129508-11270	4	9
129508-11280	4	10
129508-11310	4	62
	21	13
129508-11650	4	11
129508-11660	4	15
129508-11820	4	41
129508-11900	4	45
129508-11920	4	19
129508-12110	5	2
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129508-14580	7	3
129508-18010	8	1
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129508-49030	10	33
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129508-59910	15	50
129508-59920	15	51
129508-59930	15	52
129508-59940	15	53
129509-03050	5	20
129509-11350	4	52
129509-11700	4	22
129509-12060	5	1
129509-12100	5	4
129509-12150	5	3
129509-13100	6	3
129509-13150	6	2
129509-13400	6	8
129509-13700	5	5
129509-13710	5	6
129509-13720	5	7
	21	15
129509-13810	6	13
129509-21000	9	1
129509-22080	9	15
129509-22500	9	17
129509-42010	12	1
129509-49610	12	47
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129550-59120	15	45
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129792-39410	11	21
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129795-01950	2	8
129795-02412	1	12
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129900-77460	17	9
129900-77480	17	10
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129927-13910	6	21
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129927-51660	13	5
129927-51670	13	8
129927-75900	19	19
129927-77600	19	11
		20
129927-77680	19	12
		21
129927-77690	20	12
129927-77920	20	25
129927-77930	20	26
129927-91040	20	27
129927-91050	20	28
129928-07900	4	2
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129961-59310	16	8
129972-77341	18	30
158552-51151	13	19
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158552-52500	13	129
158553-51670	13	71
158553-51680	13	83
158553-51770	13	110
158553-51930	13	107
	14	2
158553-61780	14	24
158557-51570	13	65
158557-61720	14	23
158563-51281	13	42
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158563-51330	13	53
158600-51270	13	41
158601-51550	13	61
158601-51650	13	7
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171008-03990	10	34
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171008-77450	17	8
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171051-01921	1	8
171056-49120	10	44
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194990-22130	20	14		12	14	26106-080222	12	33	729530-53200	15	1
198461-52950	20	9	24311-000070	13	120	26106-080252	3	12	729536-51340	13	1
		10		20	21		4	49	977770-1207F	21	43
		11	24311-000120	4	48		14	29	X2114255110	17	5
22190-080002	2	11			73	26106-080302	2	15	X2114555500	17	21
	11	8		21	12		16	3	X2114955020	17	22
		10	24311-000160	16	21	26106-080352	3	20	X2130350900	17	4
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	21	30	24316-000160	11	19		7	14			
22190-120002	12	37		21	32	26106-080452	3	13			
	13	108	24316-240100	10	19		6	16			
		115		21	26		12	22			
		131	24321-000750	16	22		18	31			
	14	25	24341-000240	2	20	26106-080502	3	14			
	21	40		21	6		4	50			
22190-180002	13	109	24341-000480	14	26	26106-080552	2	16			
22190-220002	3	10	24356-010180	13	121		6	17			
	21	7	24356-010200	13	74		10	23	-1		
22217-050000	13	132			122	26106-080602	12	23			
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22252-000260	9	22	25132-003800	12	25	26106-080852	2	17			
22312-050140	13	117	26023-040202	20	22	26106-080902	5	13			
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	11	28	26106-060122	4	71	26106-100402	6	23			
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		69	26106-060202	14	28	26306-080002	2	18			
		70	26106-060322	17	29		6	19			
22857-500160	5	8	26106-060402	12	28		8	4			
22877-500080	19	14		17	30	26306-100002	18	27			
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23000-048000	5	10			56	26450-080452	13	125			
23000-060000	5	11	26106-080142	7	8	26716-050002	13	134			
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23080-015000	10	36		3	11	27241-160000	13	135			
		41		4	3	27241-300000	1	14			
23414-080000	12	19		10	20	27241-400000	4	29			
	21	36		12	21	719803-01500	2	1			
23414-100000	11	12			138	729402-23100	9	23			
	21	31	26106-080202	4	4	729509-01560	1	1			
23857-030000	11	9		5	9	729509-22900	9	32			
23876-010000	12	13			12	729509-22950	9	34			