



PARTS CATALOG

DIESEL ENGINE

4TNV98T-ZNIR

(Ingersoll Rand Co., Ltd.)

PREFACE

1. This parts catalog is the 1st edition of 4TNV98T-ZNIR for Ingersoll Rand Co.,Ltd.

Pub.No. : 000Y00W2850

Published :December, 2007

2. Model name

Engine model	Vehicle	Vehicle made by
4TNV98T-ZNIR	Compressor	Ingersoll Rand Co.,Ltd.

Directions for the Parts Catalog.

- 1.The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
- 2.Parts may change without prior notice.
- 3.The following is an example of the Parts Catalog format.

Y00F2161 29. FUEL INJECTION PUMP (W/BOOST)													
REF.	LEV.	PARTS No.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R		
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	1				
		(A=E00185) (B=E00200)											
3	2	26022-060162	SCREW M 6X16	9	9	9	9	9	9				
3-1	2	26022-060162	SCREW M 6X16	4	4	4	4	4	4			K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)											
4	2	129470-51040	CAMSHIFT	9	9	9	9	9	9				
5	2	122710-51050	BEARING. ROLLER	9	9	9	9	9	9				
6	2	129470-51060	RETAINER	9	9	9	9	9	9				

Remarks

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART. TO E/#00155 (4JH-DT, 4JH-DTZ)

①Ref. No.

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

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

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

②Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③Change Mark

The "I" indicates parts that were newly changed.

④Interchangeability Mark

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

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

⑤Effective 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)	Date

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

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

Note 3) (A=E/#00185) is the E/# (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑥Remarks Mark

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.

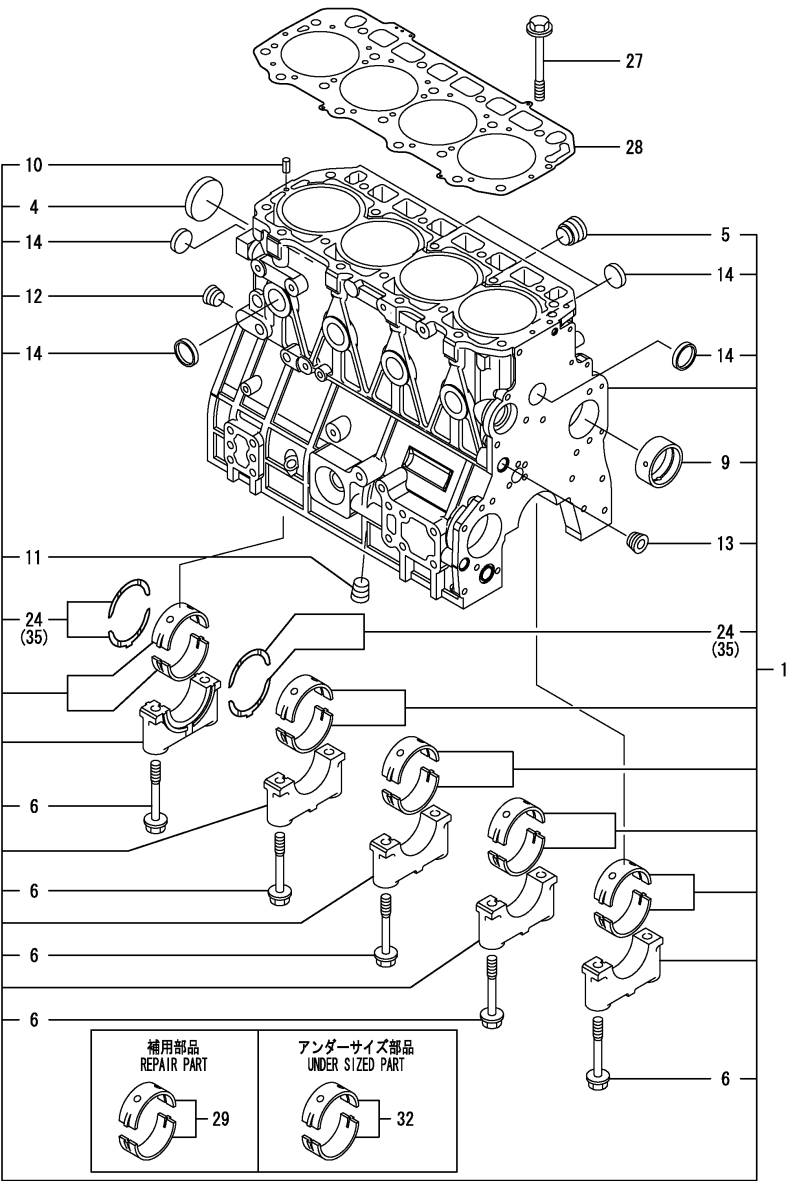
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PC NO : Y00W2850

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4TNV98T-ZNIR	
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2.	GEAR HOUSING
3.	FLYWHEEL HOUSING & OIL SUMP
4.	CYLINDER HEAD & BONNET
5.	SUCTION MANIFOLD
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.	ELECTRIC PARTS
20.	GASKET SET

Fig.No. GROUP NAME

Fig.1. CYLINDER BLOCK

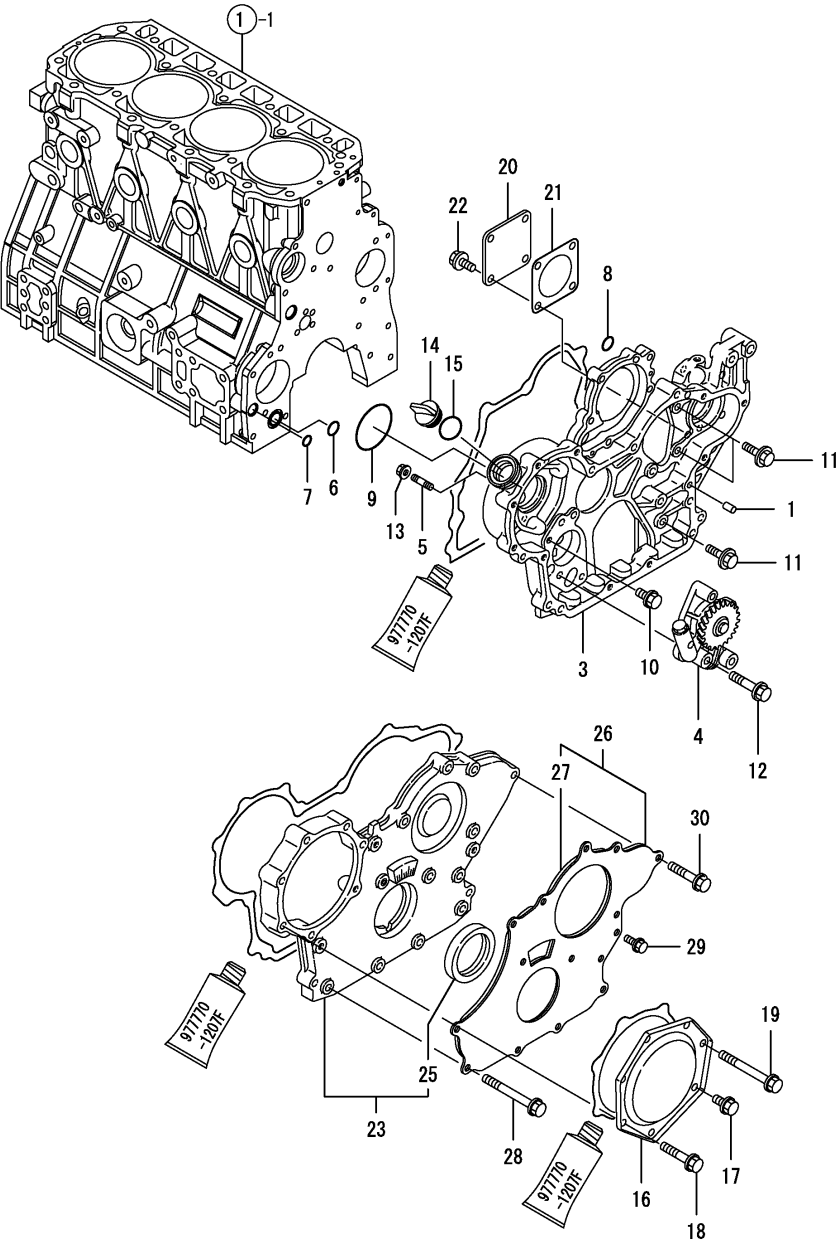


Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

Y00W2850 1. CYLINDER BLOCK

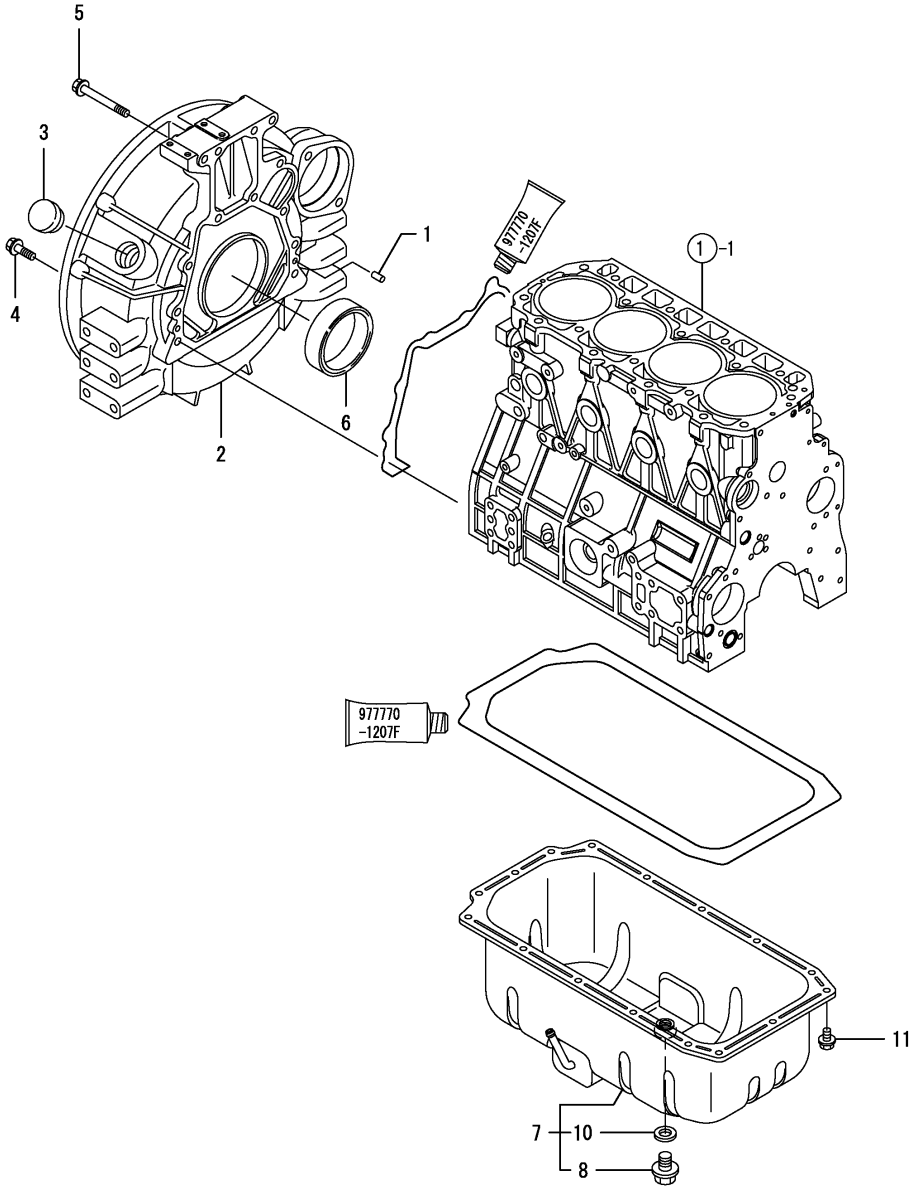
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729928-01560	BLOCK ASSY, CYLINDER	1							
4	2	129900-01250	PLUG 55	1							
5	2	171051-01921	PLUG	1							
6	2	129900-02020	BOLT, METAL CAP	10							
9	2	129900-02410	BUSH, CAMSHAFT	1							
10	2	22351-060012	SPRING PIN 6X12	2							
11	2	23876-030000	PLUG PT3/8,SCREW	1							
12	2	23876-030000	PLUG PT3/8,SCREW	1							
13	2	23876-030000	PLUG PT3/8,SCREW	1							
14	2	27241-300000	PLUG 30	8							
24	2	129900-02931	BEARING ASSY, THRUST	2							
27	1	129900-01200	BOLT, HEAD	18							
28	1	129907-01331	GASKET,CYLINDER HEAD	1							
29	1	729900-02801	MAIN BEARING SET	5							1
32	1	129900-02341	MAIN BEARING US=0.25	5							2
35	1	129900-02941	BEARING,THRUST .25OS	2							3

Fig.2. GEAR HOUSING



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL	4							
3	1	129908-01500	HOUSING,GEARS	1							
4	1	129908-32060	PUMP ASSY, LUB.OIL	1							
5	1	26216-100302	STUD BOLT	4							
6	1	129900-32030	O-RING P20	1							
7	1	129900-32040	O-RING P14	1							
8	1	24311-000070	O-RING 1A P-7.0	1							
9	1	24351-030750	PACKING, 3075	1							
10	1	26106-080162	BOLT M 8X 16 PLATED	1							
11	1	26106-080202	BOLT M 8X 20 PLATED	3							
12	1	26106-080452	BOLT M 8X 45 PLATED	3							
13	1	26306-100002	NUT	4							
14	1	124160-01751	COVER,FILLER	1							
15	1	24311-000320	O-RING 1A P-32.0	1							
16	1	129900-01740	COVER, F.I. PUMP	1							
17	1	26106-080162	BOLT M 8X 16 PLATED	1							
18	1	26106-080402	BOLT M 8X 40 PLATED	5							
19	1	129001-91810	BOLT M 8X 70 PLATED	1							
20	1	124240-01871	COVER, HO-P	1							
21	1	124240-01883	GASKET, (NON-ASB.)	1							
22	1	26106-080162	BOLT M 8X 16 PLATED	4							
23	1	729906-01550	HOUSING ASSY,COVER,G	1							
25	2	129916-01800	SEAL, OIL	1							
26	1	129900-01850	COVER ASSY	1							
27	2	129900-01870	SPONGE	1							
28	1	129001-91810	BOLT M 8X 70 PLATED	6							
29	1	26106-080162	BOLT M 8X 16 PLATED	3							
30	1	26106-080402	BOLT M 8X 40 PLATED	5							

Fig.3. FLYWHEEL HOUSING & OIL SUMP



Y00W2850 3. FLYWHEEL HOUSING & OIL SUMP

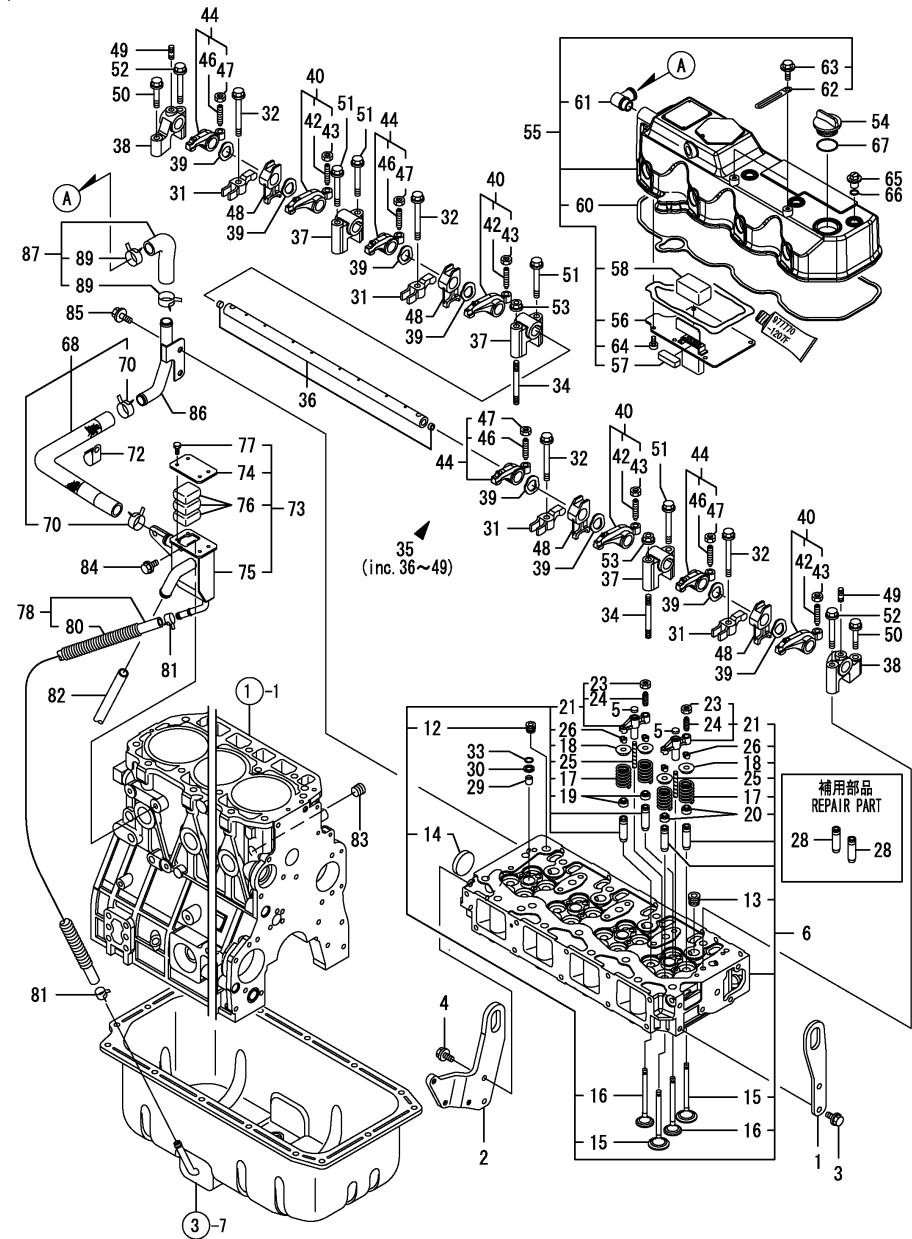
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL	2							
2	1	129981-01600	FLYWHEEL HOUSING	1							
3	1	119620-01750	CAP, FLYWHEEL COVER	1							
4	1	26206-100352	BOLT M10X 35 PLATED	9							
5	1	26206-100702	BOLT M10X 70 PLATED	4							
6	1	129916-01790	SEAL, OIL	1							
7	1	129972-01710	SUMP ASSY, LUB.OIL	1							
8	2	105425-01690	PLUG M16	1							
10	2	22190-160002	SEAL WASHER 16S	1							
11	1	26106-080122	BOLT M 8X 12 PLATED	16							

Fig.4. CYLINDER HEAD & BONNET

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-07900	LIFTER, ENGINE	1							
2	1	129928-07900	LIFTER, ENGINE	1							
3	1	26106-080162	BOLT M 8X 16 PLATED	2							
4	1	26106-080202	BOLT M 8X 20 PLATED	2							
5	1	123907-11550	SEAT A, VALVE BRIDGE	8							
6	1	129928-11700	HEAD ASSY, CYLINDER	1							
12	2	23876-020000	PLUG PT1/4, SCREW	1							
13	2	23876-030000	PLUG PT3/8, SCREW	4							
14	2	27241-400000	PLUG 40	1							
15	2	129907-11100	VALVE(INT	8							
16	2	129907-11110	VALVE(EXH	8							
17	2	129907-11120	VALVE SPRING	16							
18	2	119620-11180	RETAINER, SPRING	16							
19	2	119803-11340	SEAL, VALVE STEM(EXH	8							
20	2	124160-11340	SEAL, VALVE STEM(INT	8							
21	2	129907-11510	BRIDGE ASSY, VALVE	8							
23	3	129150-11750	NUT M8XP1.0	8							
24	3	123907-11830	SCRWE, VALVE BRIDGE	8							
25	2	123907-11820	GUIDE, VALVE BRIDGE	8							
26	2	27310-070001	COTTER ASSY	16							
28	1	129907-11800	GUIDE, VALVE	16							1
29	1	119802-11870	PROTECTOR, NOZZLE	4							
30	1	119625-11880	SEAT, NOZZLE	4							
31	1	129907-11910	RETAINER, F.I. VALVE	4							
32	1	129907-11950	FLANGE BOLT, RETAINER	4							
33	1	24311-000120	O-RING 1A P 12.0	4							
34	1	119593-11301	BOLT 8X80	2							
35	1	129907-11341	SUPPORT CMP	1							
36	2	129907-11250	SHAFT, ROCKER ARM	1							
37	2	129907-11260	SUPPORT A	3							
38	2	129907-11270	SUPPORT B	2							
39	2	123907-11280	WAVE WASHER	8							
40	2	129907-11650	ARM ASSY, ROCKER	4							
42	3	129150-11230	SCREW, VALVE	4							
43	3	129150-11750	NUT M8XP1.0	4							
44	2	129907-11660	ARM ASSY, ROCKER	4							
46	3	129150-11230	SCREW, VALVE	4							
47	3	129150-11750	NUT M8XP1.0	4							
48	2	129907-11920	PEDESTAL, RETAINER	4							
49	2	26226-080222	STUD M 8X 22 PLATED	2							
50	1	26106-080402	BOLT M 8X 40 PLATED	2							
51	1	26106-080602	BOLT M 8X 60 PLATED	4							
52	1	26106-080602	BOLT M 8X 60 PLATED	2							
53	1	26306-080002	NUT	2							
54	1	124160-01751	COVER, FILLER	1							
55	1	129928-11320	BONNET ASSY	1							
56	2	129907-03011	BAFFLE PLATE	1							
57	2	129907-03061	BAFFLE	1							
58	2	129907-03070	BAFFLE	1							
60	2	129933-11310	GASKET, BONNET	1							
61	2	119100-11330	JOINT, BREATHER	1							

(A)=4TNV98T-ZNIR
(B)=
(C)=

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

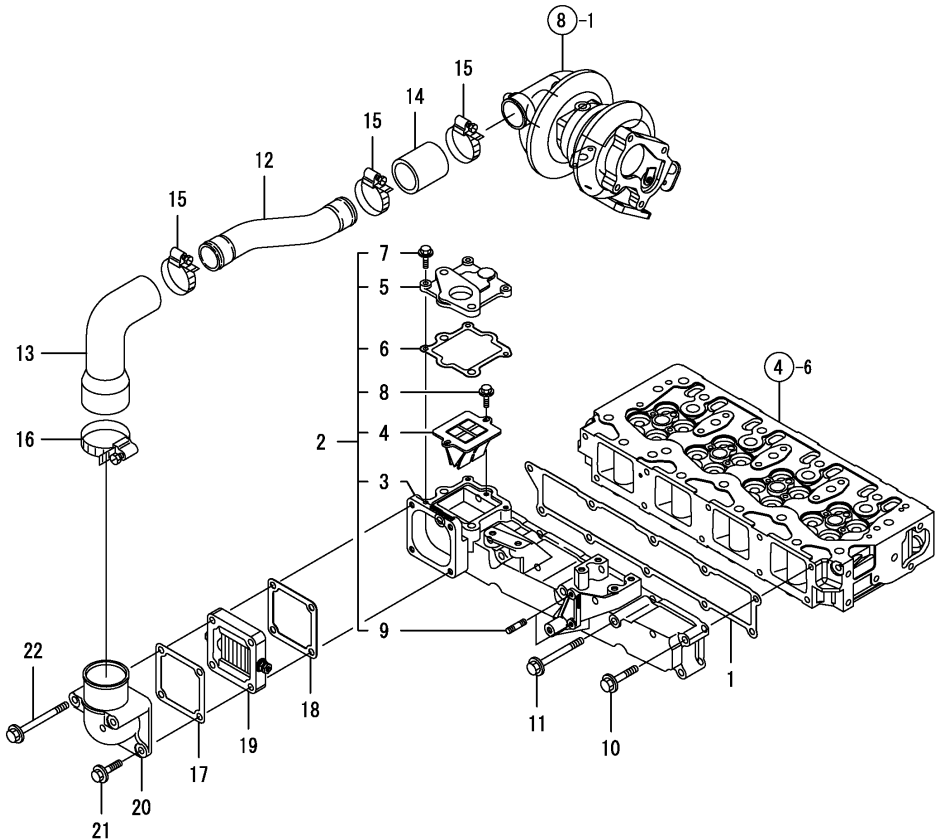


Remarks
(1) REPAIR PART.



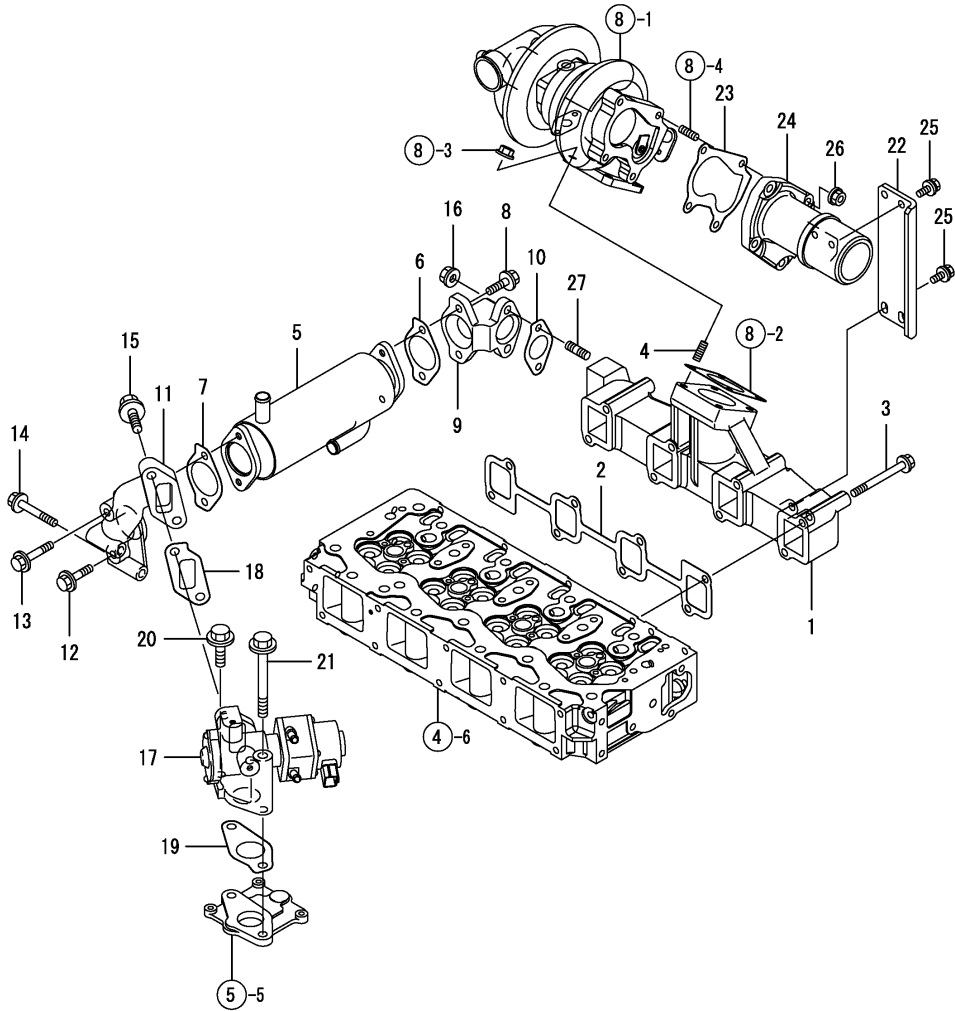
N:Old $\xleftrightarrow{\ominus}$ New, Q:Old $\xleftrightarrow{\oplus}$ New, R:Old $\xleftrightarrow{\oplus}$ New, S:Old $\xleftrightarrow{\oplus}$ New, W:Add, Z:Discontinued, F:Set Change, K:Q'ty Change
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Fig.5. SUCTION MANIFOLD



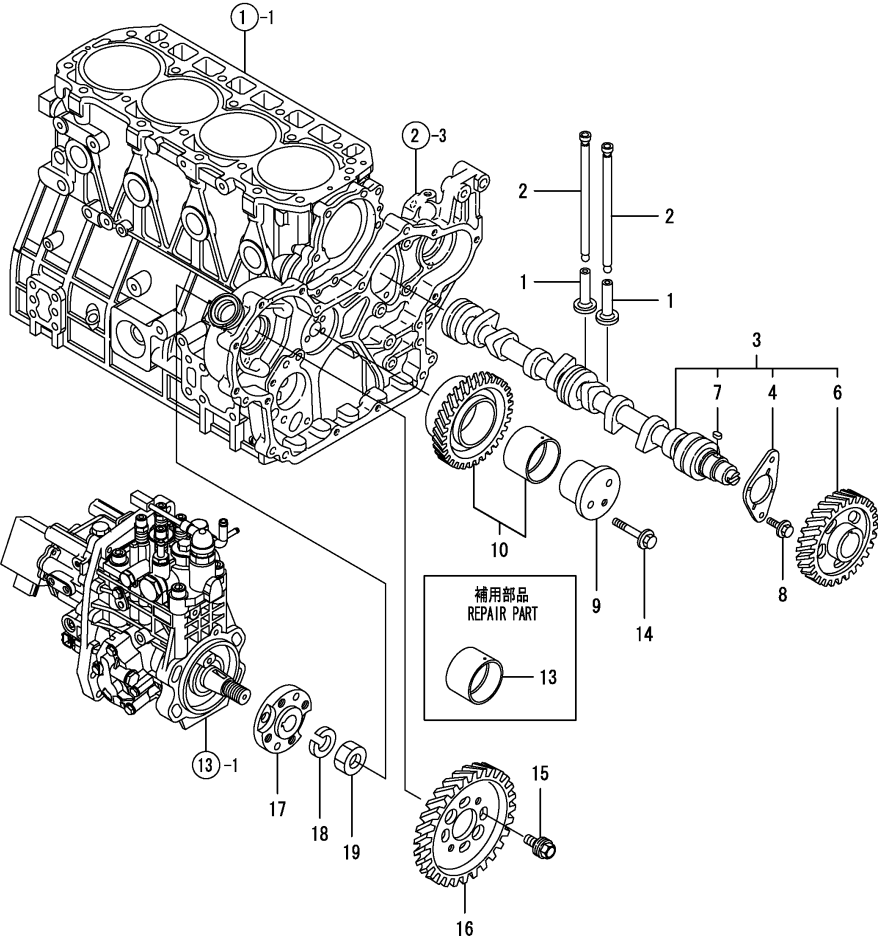
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-12110	PACKING(INT.MANIFOLD	1							
2	1	129928-12150	MANIFOLD CMP,INTAKE	1							
3	2	129928-12100	MANIFOLD,INTAKE	1							
4	2	129928-13700	REEDVALVE	1							
5	2	129928-13710	SPACER(EGR VALVE	1							
6	2	129928-13720	GASKET(EGR-V SPACER	1							
7	2	26106-060202	BOLT M 6X 20 PLATED	3							
8	2	26106-060202	BOLT M 6X 20 PLATED	2							
9	2	26216-060202	STUD M 6X 20 PLATED	2							
10	1	26106-080452	BOLT M 8X 45 PLATED	6							
11	1	26106-080802	BOLT M 8X 80 PLATED	4							
12	1	129948-18200	DUCT,SUCTION	1							
13	1	129948-18210	RUBBER HOSE	1							
14	1	123951-18220	JOINT B	1							
15	1	23000-054000	CLAMP 54	3							
16	1	23000-070000	CLAMP 70	1							
17	1	119129-77020	GASKET	1							
18	1	121850-77021	GASKET, (NON-ASB.)	1							
19	1	119005-77051	HEATER, AIR	1							
20	1	119129-77520	BEND	1							
21	1	26106-080402	BOLT M 8X 40 PLATED	2							
22	1	26106-080902	BOLT M 8X 90 PLATED	2							

Fig.6. EXHAUST MANIFOLD



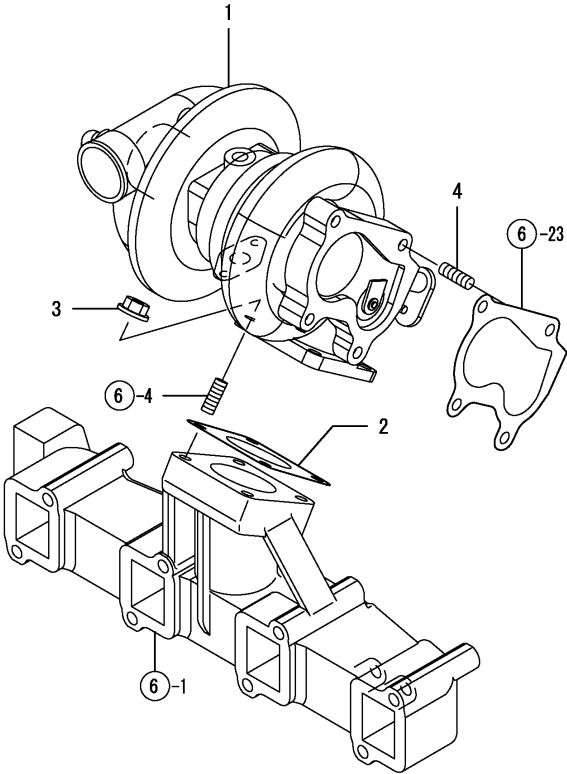
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129948-13100	MANIFOLD, EXHAUST	1							
2	1	129900-13251	GASKET	1							
3	1	123900-13630	BOLT 8X80	8							
4	1	119131-18320	BOLT M 8X 22	4							
5	1	129928-13400	EGR COOLER	1							
6	1	129928-13410	GASKET, EGR COOLER	1							
7	1	129928-13410	GASKET, EGR COOLER	1							
8	1	119802-13790	BOLT, M8X25	2							
9	1	129928-13800	PIPE(EGR IN	1							
10	1	129927-13810	GASKET, EGR PIPE	1							
11	1	129928-13810	PIPE(EGR OUT	1							
12	1	26106-080352	BOLT M 8X 35 PLATED	1							
13	1	26106-080452	BOLT M 8X 45 PLATED	1							
14	1	26106-080552	BOLT M 8X 55 PLATED	2							
15	1	26106-100252	BOLT M10X 25 PLATED	2							
16	1	26306-080002	NUT	2							
17	1	129927-13900	EGR VALVE	1							
18	1	129927-13910	GASKET(EGR-V IN	1							
19	1	129927-13920	GASKET(EGR-V OUT	1							
20	1	26106-100402	BOLT M10X 40 PLATED	1							
21	1	26106-101052	BOLT M10X105 PLATED	1							
22	1	129908-13660	STAY,T/C OUTLET	1							
23	1	123901-18080	GASKET	1							
24	1	129908-18100	T/C OUTLET	1							
25	1	26014-080202	BOLT, 8 X 20	4							
26	1	26306-080002	NUT, 8	4							
27	1	129418-18320	STUD BOLT M8X20	2							

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

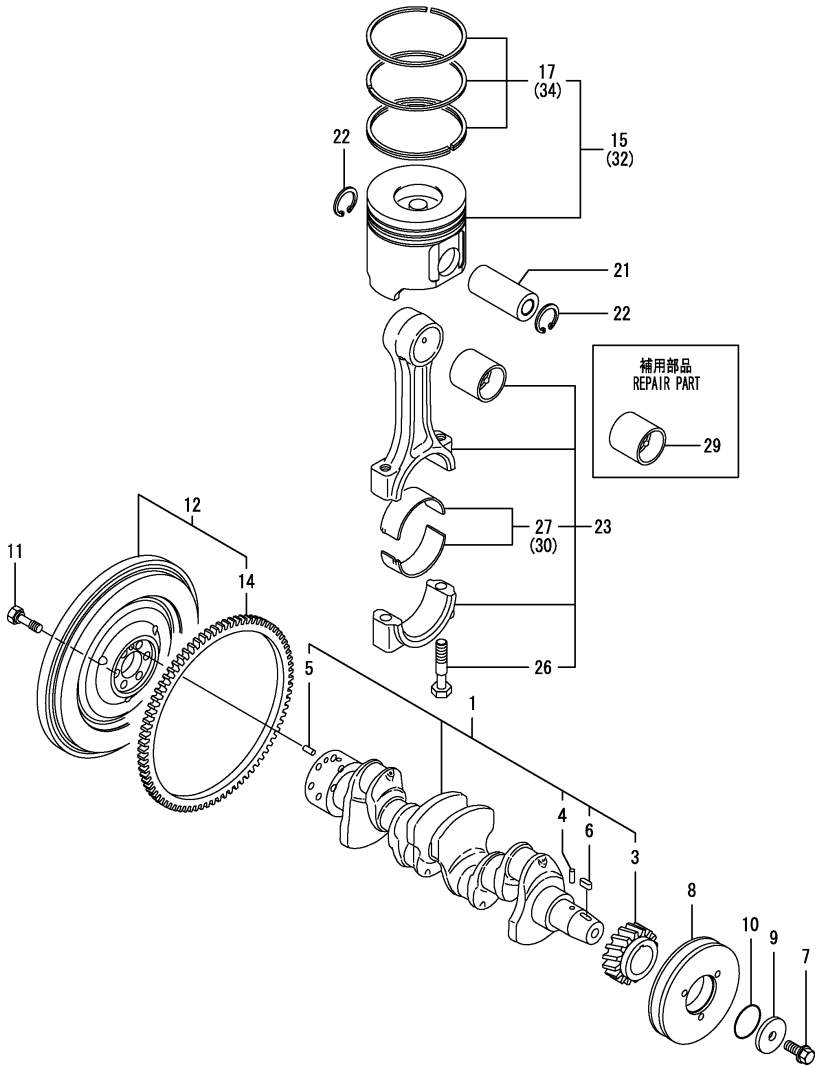
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129907-14400	PUSH ROD	8							
3	1	129908-14581	CAMSHFT ASSY	1							
4	2	129150-02450	METAL,THRUST(CAM	1							
6	2	129900-14100	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY 7X 14	1							
8	1	26106-080162	BOLT M 8X 16 PLATED	2							
9	1	123900-25060	SHAFT(GEAR,IDLE	1							
10	1	129900-25100	GEAR ASSY, IDLE	1							
13	1	129150-25920	BUSH, IDLE GEAR	1							1
14	1	26106-080552	BOLT M 8X 55 PLATED	3							
15	1	129953-25300	BOLT	4							
16	1	129907-25900	GEAR,F.I.PUMP	1							
17	1	158563-51150	FLANGE	1							
18	1	22217-180000	SPRING WASHER 18	1							
19	1	26776-180002	NUT M18,LOCK	1							



Y00W2850 8. TURBINE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129935-18010	TURBINE, RHF5	1							
2	1	129472-18090	GASKET	1							
3	1	26306-080002	NUT	4							
4	1	119131-18320	BOLT M 8X 22	4							

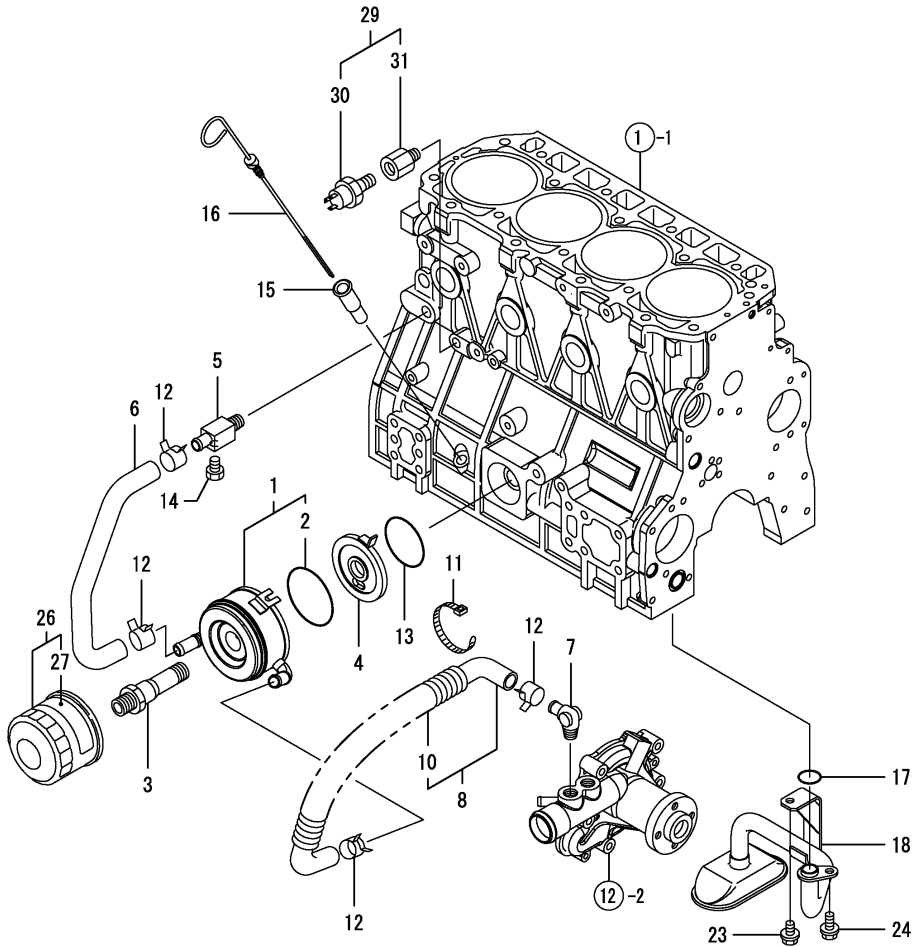
Fig.9. CRANKSHAFT & PISTON



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

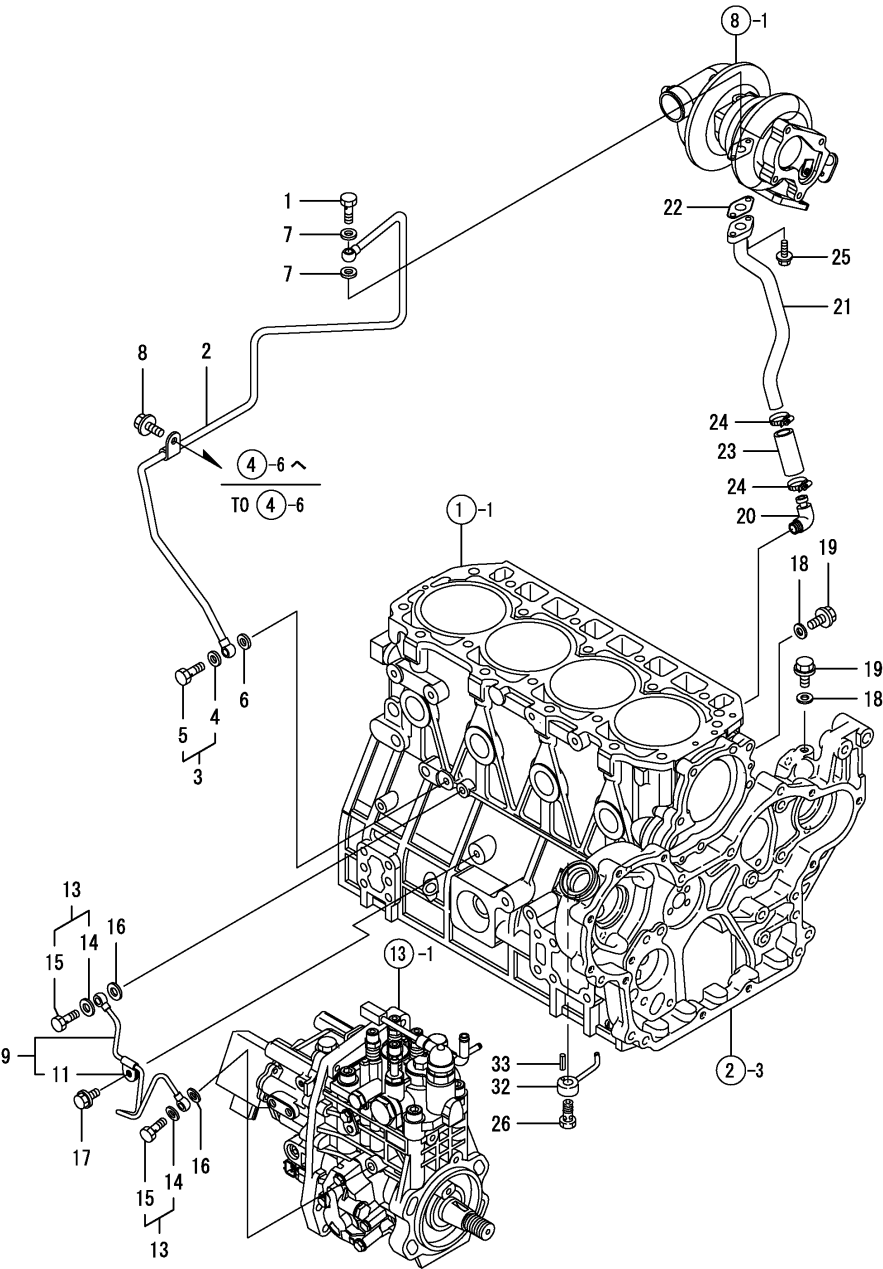
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129908-21000	CRANKSHAFT COMP	1							
3	2	129900-21200	GEAR, CRANKSHAFT	1							
4	2	121850-21290	PARALLEL PIN	1							
5	2	121850-21920	PARALLEL PIN 10X22	1							
6	2	22512-070140	KEY 7X 14	1							
7	1	129916-21610	BOLT, V-PULLEY	1							
8	1	129907-21680	V-PULLEY, CRANKSHAFT	1							
9	1	129960-21640	WASHER	1							
10	1	24341-000530	O-RING 1A S-53.0	1							
11	1	121850-21130	BOLT, FLYWHEEL	6							
12	1	129907-21580	FLYWHEEL ASSY	1							
14	2	129900-21600	GEAR, RING	1							
15	1	129928-22080	PISTON ASSY	4							
17	2	129927-22050	RING SET, PISTON	4							
21	1	120130-22301	PIN, PISTON	4							
22	1	22252-000300	CIRCLIP 30	8							
23	1	129900-23001	ROD ASSY, CONNECTING	4							
26	2	129900-23200	BOLT, ROD	8							
27	2	129900-23601	METAL ASSY, CRANKPIN	4							
29	1	129900-23911	BUSH, PISTON PIN	4							1
30	1	129900-23611	BEARING,PIN U.S=0.25	4							2
32	1	729928-22900	PISTON W/RING,0.25OS	4							3
34	2	729927-22950	RING SET, 0.25OS	4							3

Fig.10. LUB.OIL SYSTEM



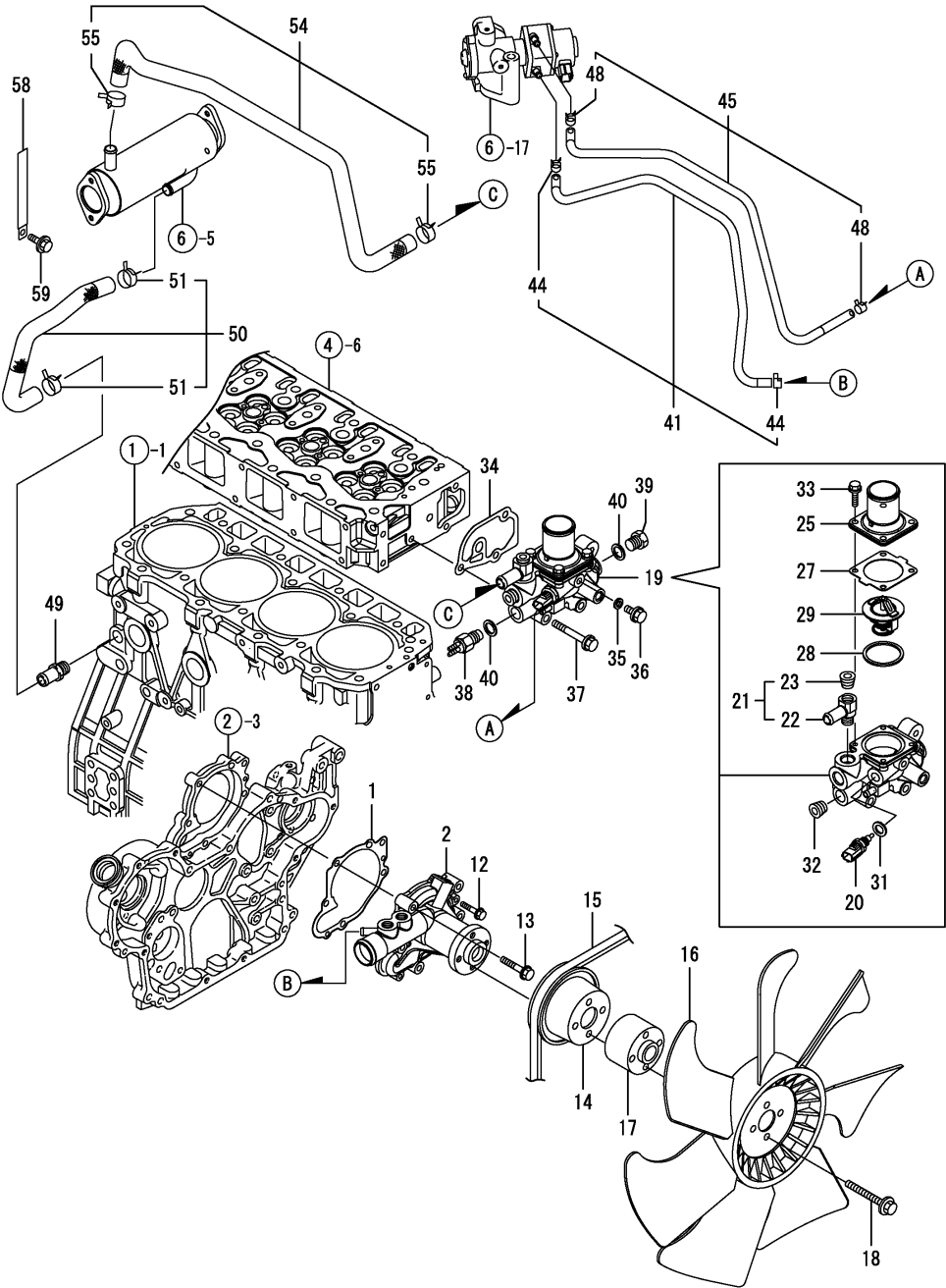
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129908-33010	COOLER ASSY, OIL	1							
2	2	123912-33050	O-RING	1							
3	1	123912-33100	BOLT, L.O.COOLER	1							
4	1	129908-33101	BRACKET,OIL COOLER	1							
5	1	129006-44480	JOINT	1							
6	1	129908-49060	PIPE, COOLING WATER	1							
7	1	129466-49300	ELBOW PT3/8	1							
8	1	123910-49600	PIPE, C.W.	1							
10	2	123910-49610	PROTECTOR,CW-T	1							
11	1	121750-59890	CLAMP 140	1							
12	1	23000-025000	CLAMP 25	4							
13	1	24321-000600	O-RING 1A G-60.0	1							
14	1	171056-49120	PLUG, DRAIN	1							
15	1	121520-34810	GUIDE, DIPSTICK	1							
16	1	129953-34830	DIPSTICK, LUB.OIL	1							
17	1	129900-32030	O-RING P20	1							
18	1	129953-35000	PIPE ASY,L.OIL INLET	1							
23	1	26106-080122	BOLT M 8X 12 PLATED	1							
24	1	26106-080162	BOLT M 8X 16 PLATED	1							
26	1	119802-35150	FILTER, 80X80L ASSY	1							
27	2	119802-07020	LABEL, L/O FILTER	1							
29	1	119940-39470	LO SWITCH CMP	1							
30	2	119802-39460	OIL PRESSURE SWITCH	1							
31	2	119285-39610	ADAPTER	1							

Fig.11. LUB.OIL LINE



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121252-39150	BOLT, PIPE JOINT	1							
2	1	129948-39060	PIPE ASSY,LUB OIL	1							
3	1	129005-59830	BOLT ASSY, JOINT	1							
4	2	22190-080002	SEAL WASHER 8S	1							
5	2	23857-030000	JOINT BOLT 3	1							
6	1	22190-080002	SEAL WASHER 8S	1							
7	1	23414-100000	GASKET 10, ROUND	2							
8	1	26106-080122	BOLT M 8X 12 PLATED	1							
9	1	129927-39060	PIPE ASSY, LUB.OIL	1							
11	2	123907-39500	SUPPORT,PIPE	1							
13	1	129005-59830	BOLT ASSY, JOINT	2							
14	2	22190-080002	SEAL WASHER 8S	2							
15	2	23857-030000	JOINT BOLT 3	2							
16	1	22190-080002	SEAL WASHER 8S	2							
17	1	26106-080122	BOLT M 8X 12 PLATED	1							
18	1	22190-080002	SEAL WASHER 8S	2							
19	1	26106-080122	BOLT M 8X 12 PLATED	2							
20	1	124070-13300	ELBOW (PT3/8)	1							
21	1	129974-39600	PIPE ASSY, LUB. OIL	1							
22	1	129908-39690	GASKET,LO-T RETURN	1							
23	1	123901-39820	HOSE	1							
24	1	23000-025000	CLAMP 25	2							
25	1	26106-060162	BOLT M 6X 16 PLATED	2							
26	1	129908-39410	VALVE ASSY, CHECK	4							
32	1	119000-39650	NOZZLE, PISTON JET	4							
33	1	22351-030010	SPRING PIN 3X10	4							

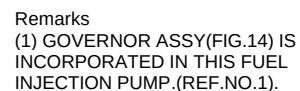
Fig.12. COOLING WATER SYSTEM



(A)=4TNV98T-ZNIR
(B)=
(C)=

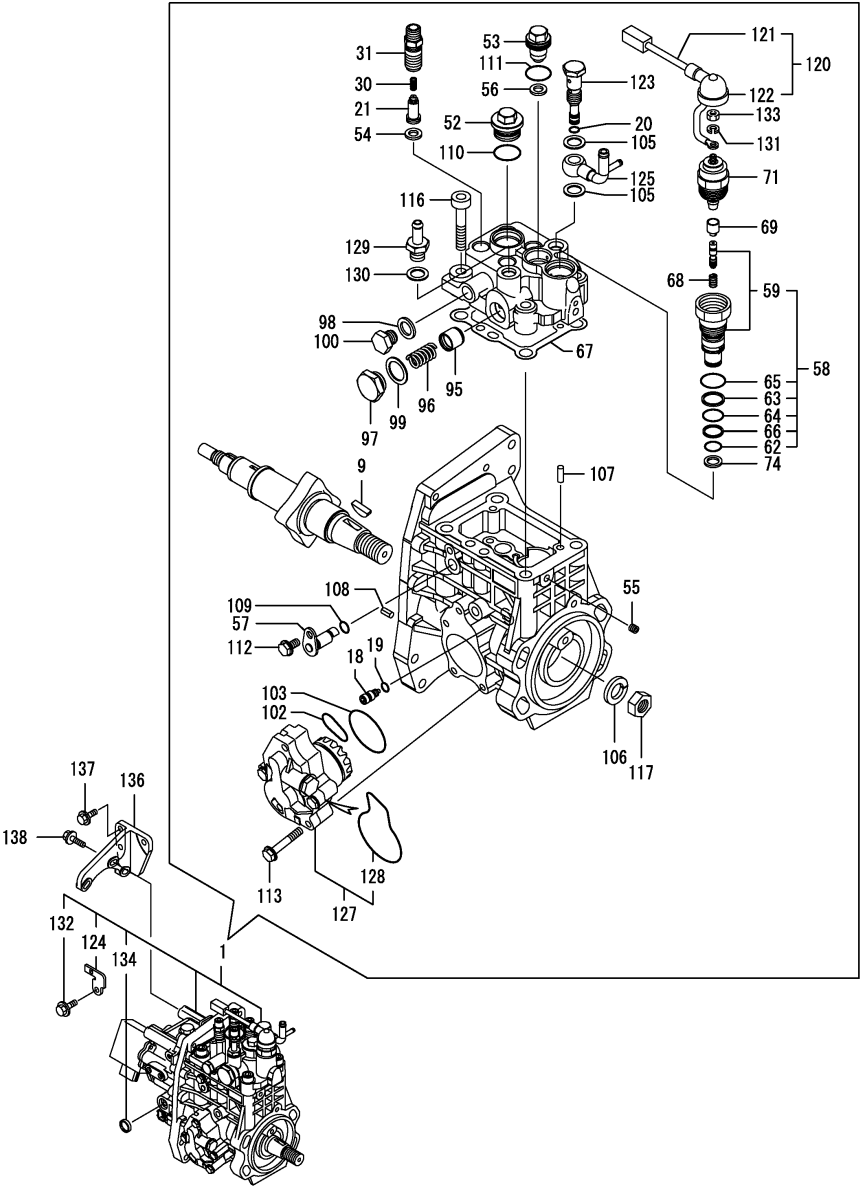
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-42020	GASKET, CW-P	1							
2	1	129948-42100	PUMP ASSY, WATER	1							
12	1	26106-060302	BOLT M 6X 30 PLATED	2							
13	1	26106-080552	BOLT M 8X 55 PLATED	5							
14	1	123900-42470	V-PULLEY	1							
15	1	25153-004500	V-BELT B45	1							
16	1	123915-44741	FAN, COOLING	1							
17	1	123910-44771	SPACER	1							
18	1	26106-100702	BOLT M10X 70 PLATED	4							
19	1	129928-49800	CASE ASSY,THERMOSTAT	1							
20	2	129927-44900	THERMOMETER	1							
21	2	129928-49400	JOINT CMP	1							
22	3	129928-49410	JOINT	1							
23	3	23875-030000	PLUG PT3/8,STEEL	1							
25	2	129916-49530	COVER, THERMOSTAT	1							
27	2	121850-49540	GASKET, THERMOSTAT	1							
28	2	121850-49550	GASKET, THERMOSTAT	1							
29	2	121850-49810	THERMOSTAT	1							
31	2	22190-120002	SEAL WASHER 12	1							
32	2	23875-030000	PLUG PT3/8,STEEL	1							
33	2	26106-060202	BOLT M 6X 20 PLATED	4							
34	1	129900-49870	GASKET, CASE	1							
35	1	23414-080000	GASKET 8, ROUND	1							
36	1	26106-080122	BOLT M 8X 12 PLATED	1							
37	1	26106-080602	BOLT M 8X 60 PLATED	3							
38	1	119843-44900	SWITCH, THERMO	1							
39	1	121450-42450	PLUG M16	1							
40	1	124465-44950	GASKET 16	2							
41	1	129927-49610	PIPE ASSY, WATER A	1							
44	2	23080-012000	CLAMP 12	2							
45	1	129927-49620	PIPE ASSY, WATER B	1							
48	2	23080-012000	CLAMP 12	2							
49	1	129928-49420	JOINT	1							
50	1	129948-49610	PIPE ASSY, WATER IN	1							
51	2	129960-03990	HOSE CLIP 22	2							
54	1	129928-49620	PIPE ASSY, WATER OUT	1							
55	2	129960-03990	HOSE CLIP 22	2							
58	1	129928-79700	CRIP150-M8	1							
59	1	26106-080122	BOLT M 8X 12 PLATED	1							



N:Old $\xleftrightarrow{\ominus \times}$ New, Q:Old $\xleftrightarrow{\times \ominus}$ New, R:Old $\xleftrightarrow{\ominus \ominus}$ New, S:Old $\xleftrightarrow{\times \times}$ New, W:Add, Z:Discontinued, F:Set Change, K:Q'ty Change
 ++ CONTINUE ++
 (C)Copy Rights YANMAR CO.,LTD and YANMAR AGRICULTURAL EQUIPMENT CO.,LTD.

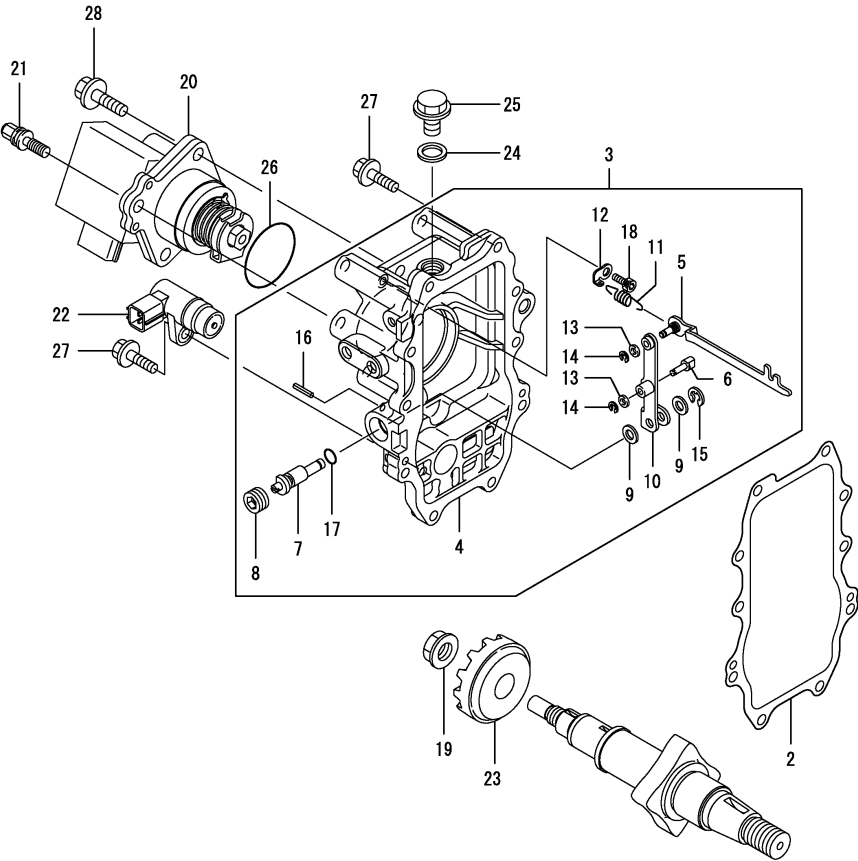
Fig.13. FUEL INJECTION PUMP



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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
127	2	158552-52100	PUMP ASSY,FEED	1							
128	3	158552-52500	O-RING(FEED P INNER	1							
129	2	119934-59910	JOINT,PIPE	1							
130	2	22190-120002	SEAL WASHER 12	1							
131	2	22217-050000	SPRING WASHER 5	1							
132	2	26106-060122	BOLT M 6X 12 PLATED	1							
133	2	26716-050002	NUT M 5	1							
134	2	27241-160000	PLUG 16	1							
136	1	129927-51250	RETAINER(FOP	1							
137	1	26106-080202	BOLT M 8X 20 PLATED	3							
138	1	26106-080302	BOLT M 8X 30 PLATED	3							

Fig.14. GOVERNOR



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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158560-61050	PACKING, CASE	1							
3	2	129927-61100	CASE ASSY, GOVERNOR	1							
4	3	129927-61010	CASE, GOVERNOR	1							
5	3	129927-61121	LINK	1							
6	3	129928-61130	PIN,GOVERNOR LEVER	1							
7	3	158557-61390	SHAFT,GOV.LEVER	1							
8	3	158557-61411	SCREW	1							
9	3	158557-61480	SPACER,GOV.LEVER	2							
10	3	129927-61521	LEVER, GOVERNOR	1							
11	3	158557-61640	SPRING	1							
12	3	158557-61650	FUCK,SPRING	1							
13	3	22117-040000	WASHER 4	2							
14	3	22272-000030	CIRCLIP E- 3	2							
15	3	22272-000040	CIRCLIP E- 4	1							
16	3	22351-020010	SPRING PIN 2X10	1							
17	3	24311-000060	O-RING 1A P-6.0	1							
18	3	26450-050102	BOLT M 5X 10	1							
19	2	129008-61301	NUT	1							
20	2	129927-61601	ACTUATOR	1							
21	2	129927-61610	BOLT,ECO	1							
22	2	158557-61720	SENSOR	1							
23	2	158553-61780	GEAR,SENSOR	1							
24	2	23414-120000	GASKET 12, ROUND	1							
25	2	23887-120002	PLUG M12,HEX.	1							
26	2	24341-000480	O-RING 1A S-48.0	1							
27	2	26106-060252	BOLT M 6X 25 PLATED	10							
28	2	26106-080252	BOLT M 8X 25 PLATED	3							

Fig.15. FUEL INJECTION VALVE

(A)=4TNV98T-ZNIR
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729928-53100	FUEL INJECTOR(RDN	4							
2	2	129928-53000	NOZZLE ASSY	4							
5	2	114250-53080	NUT, NOZZLE CASE	4							
6	2	129907-53100	HOLDER ASSY, NOZZLE	4							
9	2	114250-53120	SPRING, NOZZLE	4							
10	2	114250-53130	SEAT, NOZZLE SPRING	4							
11	2	114250-53140	PLATE, STOP	4							
12	2	114250-53210	PIN	8							
13	2	114250-53400	SHIM PACK	4							
25	1	123907-11601	PIPE SEAL	4							
26	1	123472-59120	BRACKET	2							
27	1	129150-59120	RETAINER, INJ. PIPE	1							
30	2	129150-59131	BOLT M4X14,HEX.SCKT.	2							
32	1	129927-59810	PIPE ASSY, INJECTION	1							
33	1	129927-59820	PIPE ASSY, INJECTION	1							
34	1	129927-59830	PIPE ASSY, INJECTION	1							
35	1	129927-59840	PIPE ASSY, INJECTION	1							
36	1	26366-060002	NUT M 6	2							

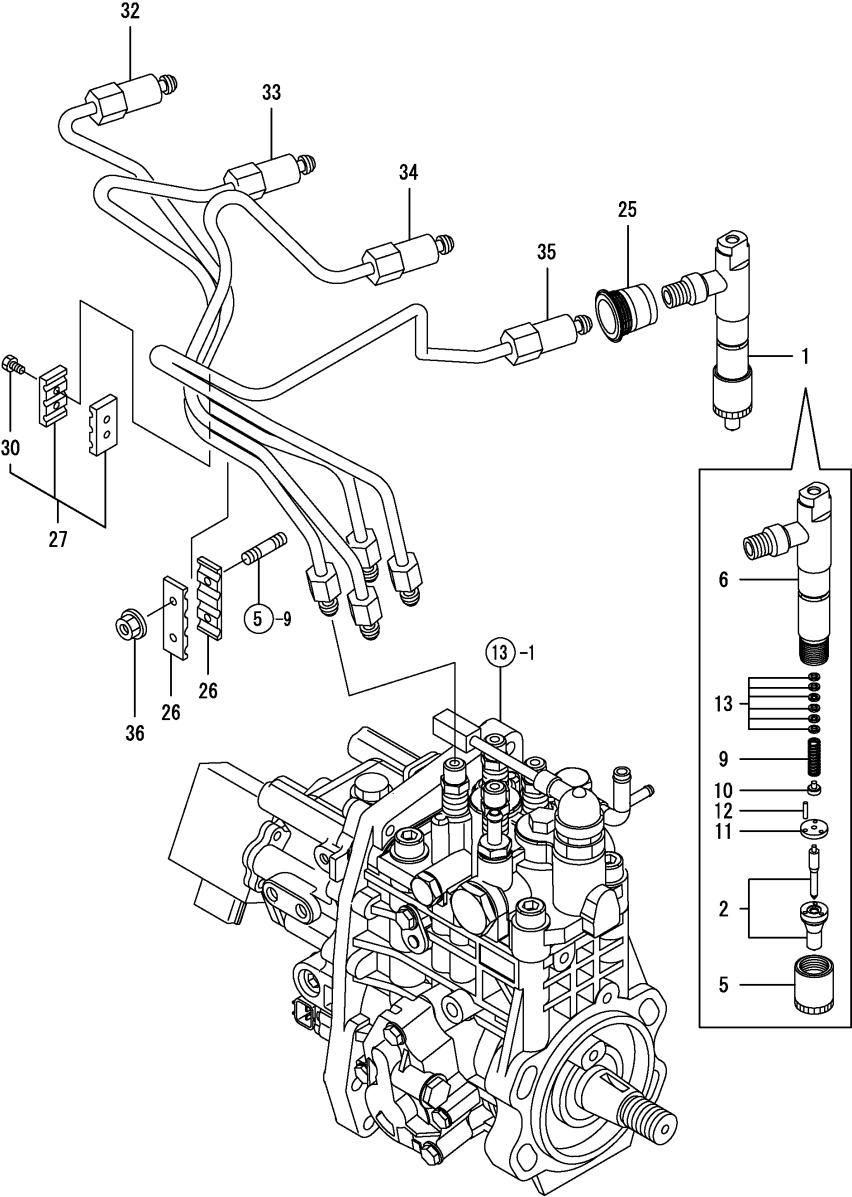
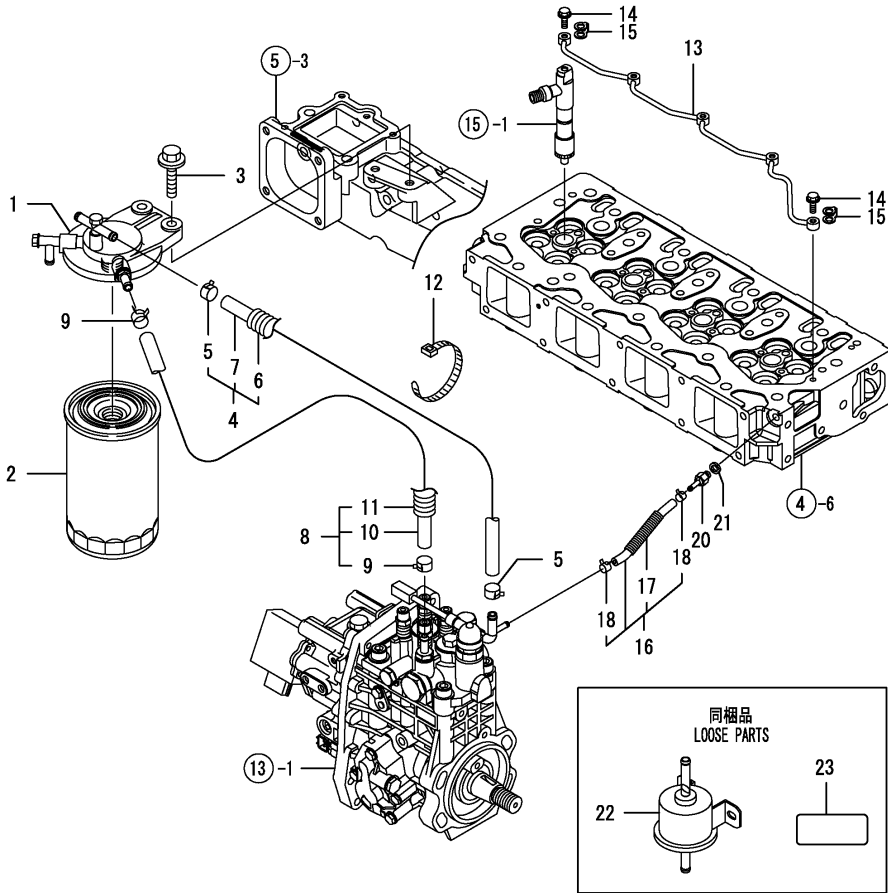
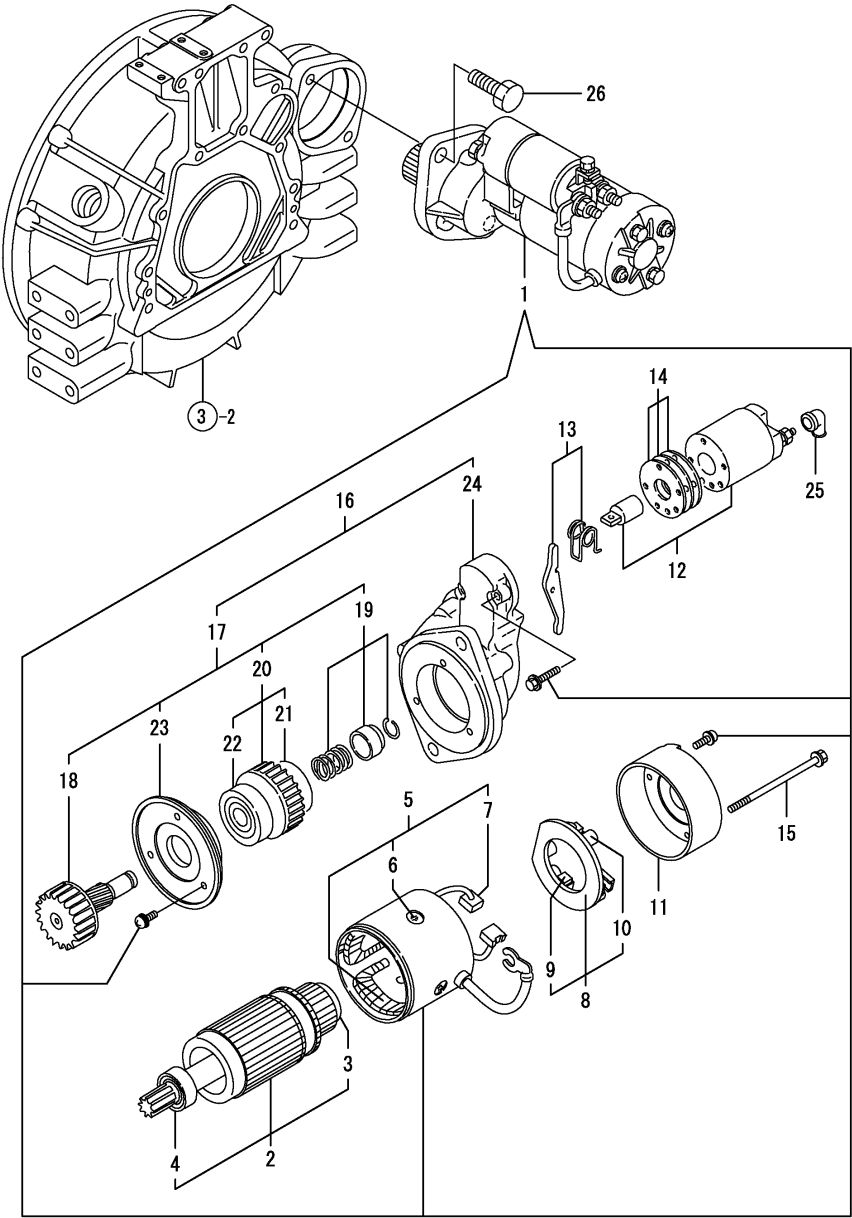


Fig.16. FUEL LINE



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET,FUEL FILTER	1							
2	1	129933-55801	FILTER, FUEL OIL	1							
3	1	26106-080302	BOLT M 8X 30 PLATED	2							
4	1	129457-59010	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLAMP 12	2							
6	2	129957-59120	PROTECTOR, FUEL PIPE	1							
7	2	105025-59750	PIPE, FUEL OIL	1							
8	1	129961-59310	PIPE ASSY, FUEL	1							
9	2	124766-59050	CLAMP 12	2							
10	2	129136-59110	PIPE, FUEL OIL	1							
11	2	129961-59110	TUBE	1							
12	1	121750-59890	CLAMP 140	1							
13	1	129907-59140	PIPE ASSY,F.O.RETURN	1							
14	1	123907-59540	JOINT BOLT M6	5							
15	1	123907-59550	PACKING,FUEL RETURN	5							
16	1	129927-59550	PIPE, FUEL RETURN	1							
17	2	129263-49750	CORRUGATED TUBE	1							
18	2	124722-59050	CLAMP 9	2							
20	1	123907-59560	HOSE JOINT 4	1							
21	1	22190-080002	SEAL WASHER 8S	1							
22	1	119225-52102	PUMP ASSY, FUEL FEED	1							
23	1	119802-52120	LABEL (FEED PUMP	1							

Fig.17. STARTING MOTOR

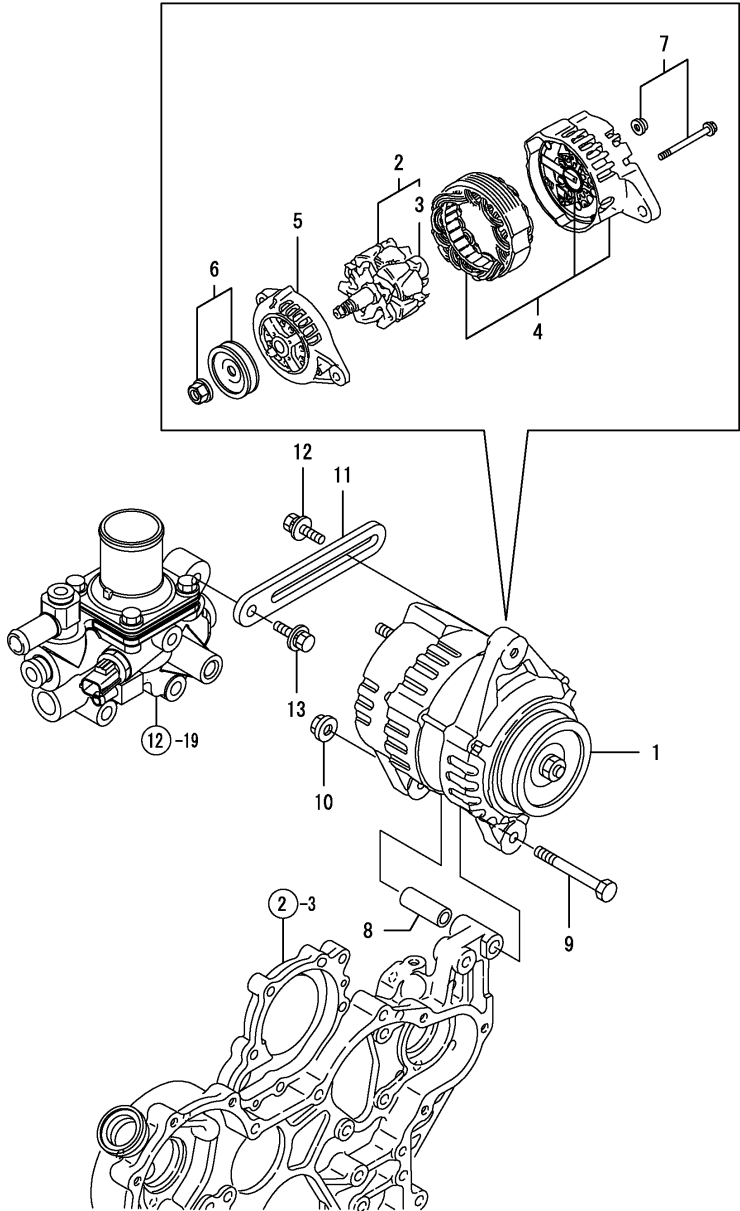


(A)=4TNV98T-ZNIR
(B)=
(C)=

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

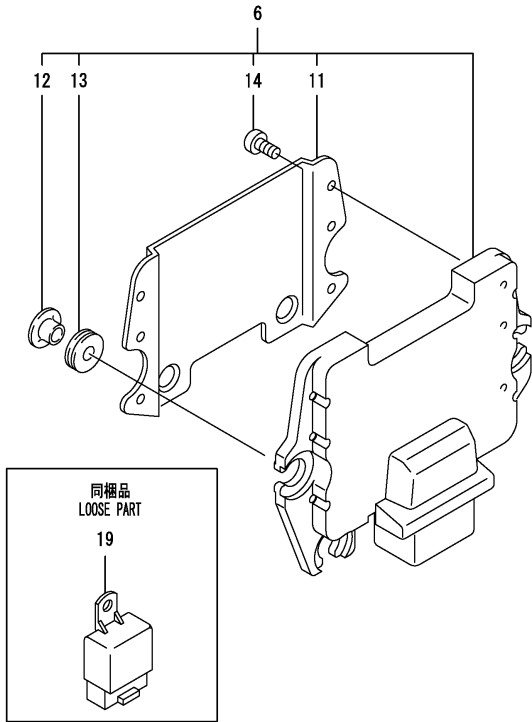
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-77010	STARTER(2.3KW	1							
2	2	129900-77400	ARMATURE ASSY	1							
3	3	X2114155110	BALL BEARING	1							
4	3	X2114255110	BALL BEARING	1							
5	2	129900-77440	COIL ASSY, FIELD	1							
6	3	171008-77450	SCREW, POLE CORE SET	4							
7	3	129900-77450	BRUSH (+)	2							
8	2	129900-77480	HOLDER ASSY, BRASH	1							
9	3	129900-77450	BRUSH (+)	2							
10	3	X2130631300	BRUSH SPRING	4							
11	2	129900-77460	COVER, REAR	1							
12	2	129900-77591	SWITCH ASSY,MAGNETIC	1							
13	2	129900-77620	SHIFT LEVER SET	1							
14	2	129900-77650	COVER ASSY, DUST	1							
15	2	129900-77640	BOLT, THROUGHT	2							
16	2	129900-77700	GEAR CASE ASY	1							
17	3	129900-77510	PINION ASSY	1							
18	4	129900-77540	SHAFT, PINION	1							
19	4	129900-77550	STOPPER SET	1							
20	4	129900-77520	CLUTCH ASSY	1							
21	5	171008-77730	BALL BEARING (3)	1							
22	5	171008-77740	BALL BEARING (4)	1							
23	4	129900-77610	RETAINER, BEARING	1							
24	3	129900-77710	HOUSING, GEARS	1							
25	2	171008-77750	COVER, M TERMINAL	1							
26	1	26116-120302	BOLT M12X 30 PLATED	2							

Fig.18. GENERATOR



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	123900-77210	GENERATOR(12V-60A	1							
2	2	123900-77700	ROTOR ASSY	1							
3	3	129612-77710	BALL BEARING	1							
4	2	123900-77720	REAR BRACKET ASSY	1							
5	2	123900-77730	FRONT BRACKET ASSY	1							
6	2	123900-77740	PULLEY	1							
7	2	123900-77750	SCREW KIT	1							
8	1	129470-77340	SPACER	1							
9	1	26116-101202	BOLT M10X120 PLATED	1							
10	1	26306-100002	NUT	1							
11	1	129900-77330	AJUSTER, BELT	1							
12	1	119810-77340	BOLT	1							
13	1	26014-080252	BOLT M 8X 25	1							

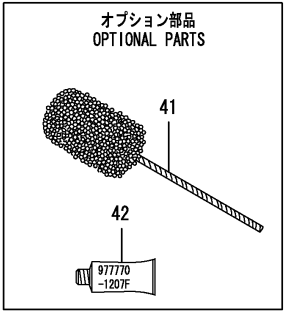
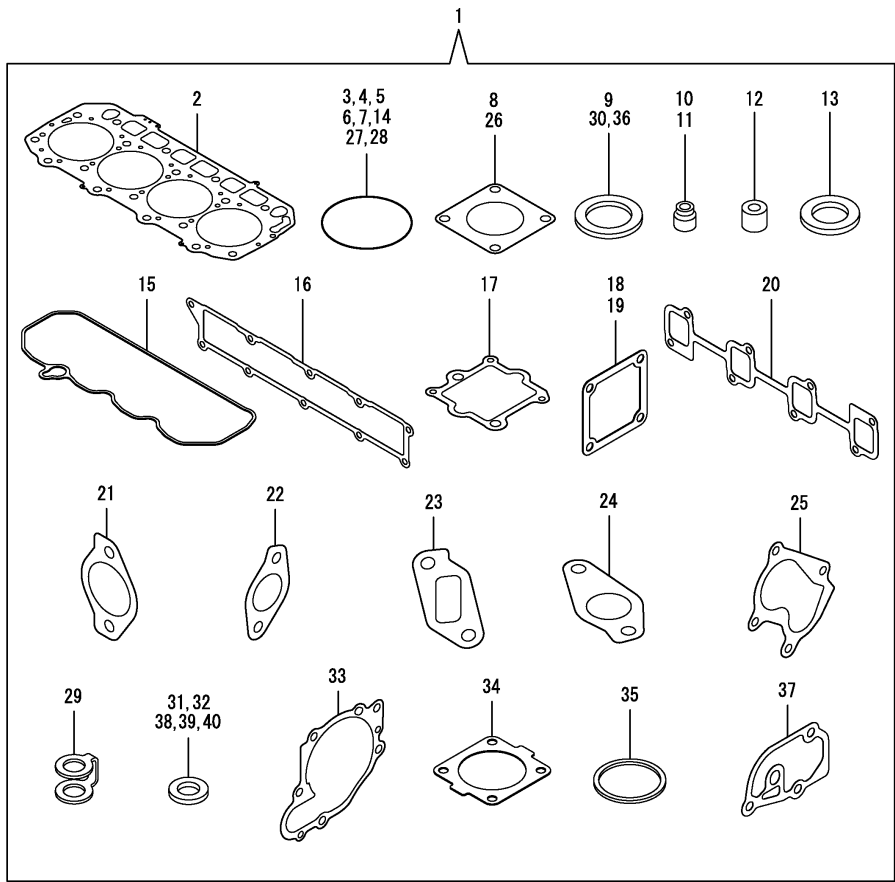
Fig.19. ELECTRIC PARTS



Remarks
(1)THIS PARTS IS SENT AFTER INPUTTING
SOFTWARE BY THE CENTRAL FIE SHOP.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
6	2	129927-75102	CONTROLLER CMP	1							1
11	3	129927-77600	SHIELD,ECU	1							
12	3	129927-77680	COLLAR, CONTROLLER	3							
13	3	119578-91351	RUBBER, CUSHION	3							
14	3	22877-500080	SCREW, 5.0 X 8	6							
19	1	198461-52950	RELAY CA,TYPE C	2							

Fig.20. GASKET SET



Remarks
(1) OPTIONAL PART.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729928-92640	GASKET SET(NON-ASB.)	1							1
2	2	129907-01331	GASKET,CYLINDER HEAD	1							
3	2	129900-32030	O-RING P20	2							
4	2	129900-32040	O-RING P14	1							
5	2	24311-000070	O-RING 1A P-7.0	1							
6	2	24351-030750	PACKING, 3075	1							
7	2	24311-000320	O-RING 1A P-32.0	2							
8	2	124240-01883	GASKET, (NON-ASB.)	1							
9	2	22190-160002	SEAL WASHER 16S	1							
10	2	119803-11340	SEAL, VALVE STEM(EXH	8							
11	2	124160-11340	SEAL, VALVE STEM(INT	8							
12	2	119802-11870	PROTECTOR, NOZZLE	4							
13	2	119625-11880	SEAT, NOZZLE	4							
14	2	24311-000120	O-RING 1A P 12.0	8							
15	2	129933-11310	GASKET, BONNET	1							
16	2	129907-12110	PACKING(INT.MANIFOLD	1							
17	2	129928-13720	GASKET(EGR-V SPACER	1							
18	2	119129-77020	GASKET	1							
19	2	121850-77021	GASKET, (NON-ASB.)	1							
20	2	129900-13251	GASKET	1							
21	2	129928-13410	GASKET, EGR COOLER	2							
22	2	129927-13810	GASKET, EGR PIPE	1							
23	2	129927-13910	GASKET(EGR-V IN	1							
24	2	129927-13920	GASKET(EGR-V OUT	1							
25	2	123901-18080	PK(T/C OUT	1							
26	2	129472-18090	GASKET	1							
27	2	24341-000530	O-RING 1A S-53.0	1							
28	2	24321-000600	O-RING 1A G-60.0	1							
29	2	123907-59550	PACKING,FUEL RETURN	1							
30	2	22190-080002	SEAL WASHER 8S	9							
31	2	23414-100000	GASKET 10, ROUND	2							
32	2	129908-39690	GASKET,LO-T RETURN	1							
33	2	129900-42020	GASKET, CW-P	1							
34	2	121850-49540	GASKET, THERMOSTAT	1							
35	2	121850-49550	GASKET, THERMOSTAT	1							
36	2	22190-120002	SEAL WASHER 12	1							
37	2	129900-49870	GASKET, CASE	1							
38	2	23414-080000	GASKET 8, ROUND	1							
39	2	124465-44950	GASKET 16	2							
40	2	129150-49360	GASKET 10	1							
41	1	129400-92450	FLEX HONE	1							1
42	1	977770-1207F	GASKET.LIQUID	1							1

Part Number Index

All parts are stipulated in the order of part numbers.

(Depending on the area in which the part is used.)

This index will display the location of the part according to each part number.

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
105025-59750	16	7
105425-01690	3	8
114250-53080	15	5
114250-53120	15	9
114250-53130	15	10
114250-53140	15	11
114250-53210	15	12
114250-53400	15	13
119000-39650	11	32
119005-77051	5	19
119100-11330	4	61
119129-77020	5	17
	20	18
119129-77520	5	20
119131-18320	6	4
	8	4
119225-52102	16	22
119285-39610	10	31
119578-91351	19	13
119593-11301	4	34
119620-01750	3	3
119620-11180	4	18
119625-11880	4	30
	20	13
119802-07020	10	27
119802-11870	4	29
	20	12
119802-13790	6	8
119802-35150	10	26
119802-39460	10	30
119802-51680	13	63
119802-51690	13	64
119802-52120	16	23
119803-11340	4	19
	20	10
119810-77340	18	12
119843-44900	12	38
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123900-25060	7	9
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123907-59560	16	20
123910-44771	12	17
123910-49600	10	8
123910-49610	10	10
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124070-13300	11	20
124160-01751	2	14
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129900-23611	9	30
129900-23911	9	29
129900-25100	7	10
129900-32030	2	6
	10	17
	20	3
129900-32040	2	7
	20	4
129900-42020	12	1
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129900-49870	12	34
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129900-77010	17	1
129900-77330	18	11
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129900-77640	17	15
129900-77650	17	14
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