

0CV10-M96801EN

P R E F A C E

1. This parts catalog is the 1st edition of 4TNV94L-PHYBW and 4TNV94L-PHYBY for HYUNDAI HEAVY INDUSTRIES.

Pub.No. : 0CV10-G96801

Published : September , 2008

2. Model name

Engine model	Vehicle	Vehicle made by
4TNV94L-PHYBW 4TNV94L-PHYBY	WHEEL BACKHOE	HYUNDAI HEAVY INDUSTRIES

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
		(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 COMPEMSATOR 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 $\xrightarrow{\text{No}}$	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes $\xrightarrow{\text{Yes}}$	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes $\xrightarrow{\text{Yes}}$	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$	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.

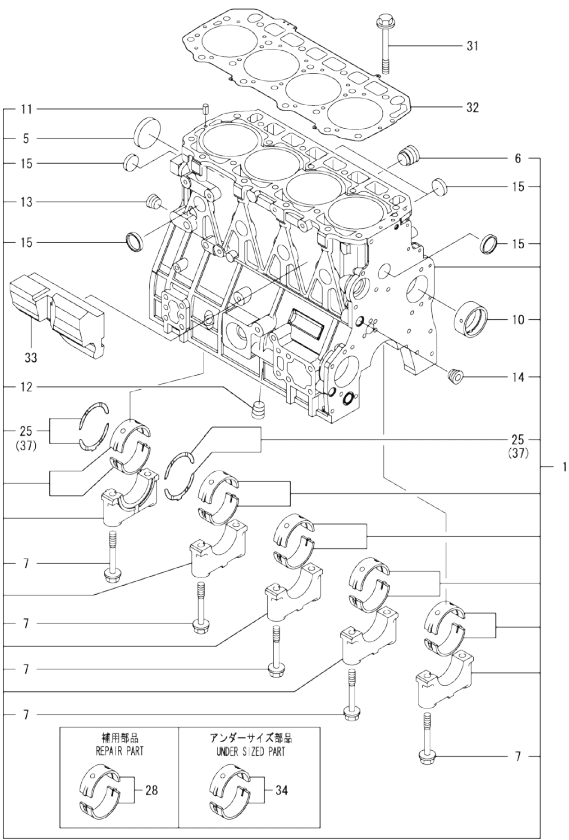
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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0CV10-M96801

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

Fig.1. CYLINDER BLOCK



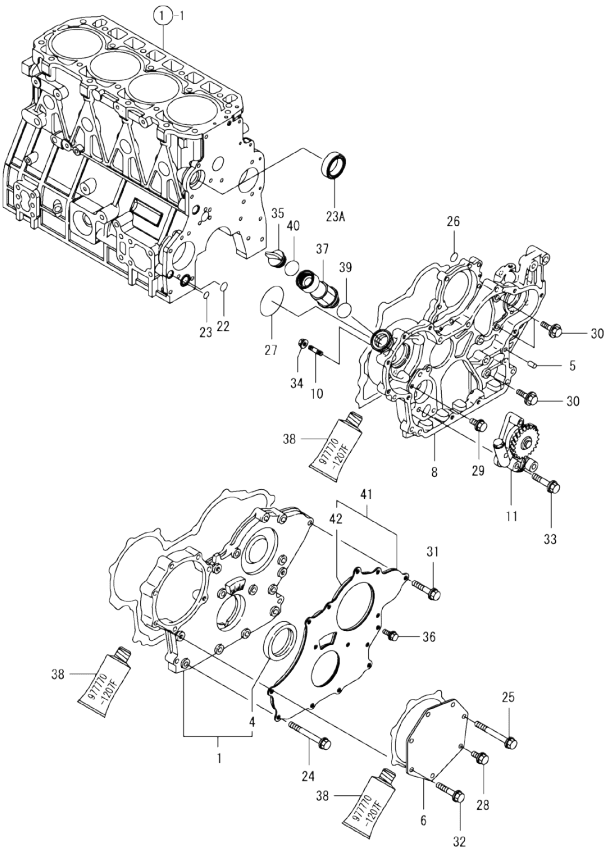
Remarks
(1) UNDER-SIZED(U.S=0.25)PART.
(2) OVER-SIZED(O.S=0.25)PART.
(3) REPAIR PART.

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729906-01560	BLOCK ASSY, CYLINDER	1	1						
5	2	129900-01250	PLUG, DISH TYPE 55	1	1						
6	2	171051-01921	PLUG, NPTF1	1	1						
7	2	129900-02020	BOLT, METAL CAP	10	10						
10	2	129900-02410	BUSH, CAMSHAFT	1	1						
11	2	22351-060012	PIN, SPRING 6.0X12	2	2						
12	2	23876-030000	PLUG, R03	1	1						
13	2	23876-030000	PLUG, R03	1	1						
14	2	23876-030000	PLUG, R03	1	1						
15	2	27241-300000	PLUG 30	8	8						
25	2	129900-02930	BEARING ASSY, THRUST	2							
25-1	2	129900-02931	BEARING ASSY, THRUST	2	2					N	
(A=E25657)											
28	1	729900-02800	BEARING, MAIN	5							3
28-1	1	729900-02801	BEARING, MAIN	5	5					N	3
(A=E25657)											
31	1	129900-01200	BOLT, CYLINDER HEAD	18	18						
32	1	129906-01340	GASKET, HEAD	1							
32-1	1	129907-01331	GASKET, HEAD	1	1					N	
(A=*2008.06.)											
32-2	1	129906-01350	GASKET, HEAD	1	1					N	
(A=*2009.12) (B=*2009.12)											
33	1	129907-01190	SPACER	1	1						
34	1	129900-02340	BEARING ASSY, MAIN	5							1
34-1	1	129900-02341	BEARING ASSY, MAIN	5	5					N	1
(A=E25657)											
37	1	129900-02940	BEARING, THRUST 0.25	2							2
37-1	1	129900-02941	BEARING, THRUST 0.25	2	2					N	2
(A=E25657)											

Fig.2. GEAR HOUSING



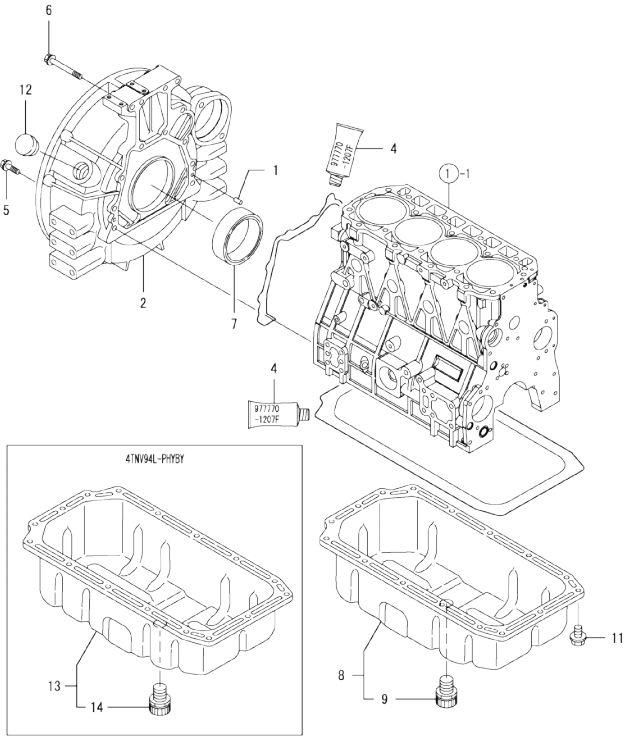
Remarks
(1) OPTIONAL PART.

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729907-01559	COVER ASSY,GEAR CASE	1	1						
4	2	129916-01800	SEAL, OIL	1	1						
5	1	129100-01580	PIN, PARALLEL 8X16	4	4						
6	1	129951-01740	COVER	1	1						
8	1	129944-01500	CASE, GEAR	1	1						
10	1	26216-100302	STUD, M10X 30	4	4						
11	1	129900-32001	PUMP ASSY, OIL	1	1						
22	1	129900-32030	O-RING, P20	1	1						
23	1	129900-32040	O-RING, P14	1	1						
23A	1	129927-42140	GASKET, PUMP OUTLET	1	1						W
(A=2014.09)											
24	1	129001-91810	BOLT, M8X70	6	6						
25	1	129001-91810	BOLT, M8X70	1	1						
26	1	24311-000070	O-RING, 1AP7.0	1	1						
27	1	24351-030750	O-RING, 1A3075	1	1						
28	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
29	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
30	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
31	1	26106-080402	BOLT, M8X 40 PLATED	5	5						
32	1	26106-080402	BOLT, M8X 40 PLATED	5	5						
33	1	26106-080452	BOLT, M8X 45 PLATED	3	3						
34	1	26306-100002	NUT, M10	4	4						
35	1	124160-01751	CAP, FILLER	1	1						
36	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
37	1	171031-11741	PIPE	1	1						
38	1	977770-1207F	GASKET,LIQUID	1	1						1
39	1	24311-000320	O-RING, 1AP32.0	1	1						
40	1	24311-000320	O-RING, 1AP32.0	1	1						
41	1	129900-01850	COVER ASSY,GEAR CASE	1	1						
42	2	129900-01870	SPONGE, GEAR CASE	1	1						

Fig.3. FLYWHEEL HOUSING & OIL SUMP



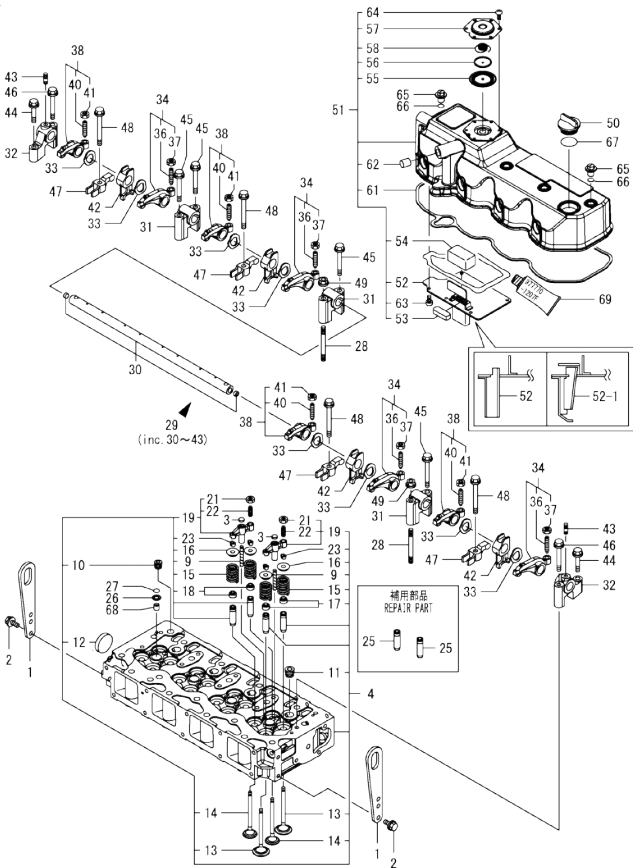
Remarks
(1) OPTIONAL PART.

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2	2						
2	1	129981-01600	HOUSING, FLYWHEEL	1	1						
4	1	977770-1207F	GASKET,LIQUID	1	1						1
5	1	26206-100352	BOLT, M10X 35 PLATED	9	9						
6	1	26206-100702	BOLT, M10X 70 PLATED	4	4						
7	1	129916-01790	SEAL, D115/95XT11	1	1						
8	1	129906-01720	OIL PAN ASSY	1							
9	2	129906-01640	COCK, DRAIN	1							
11	1	26106-080122	BOLT, M8X 12 PLATED	16	16						
12	1	119620-01750	CAP	1	1						W
(A=FROM 1ST)											
13	1	129940-01720	OIL PAN ASSY	1							
14	2	129906-01640	COCK, DRAIN	1							

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

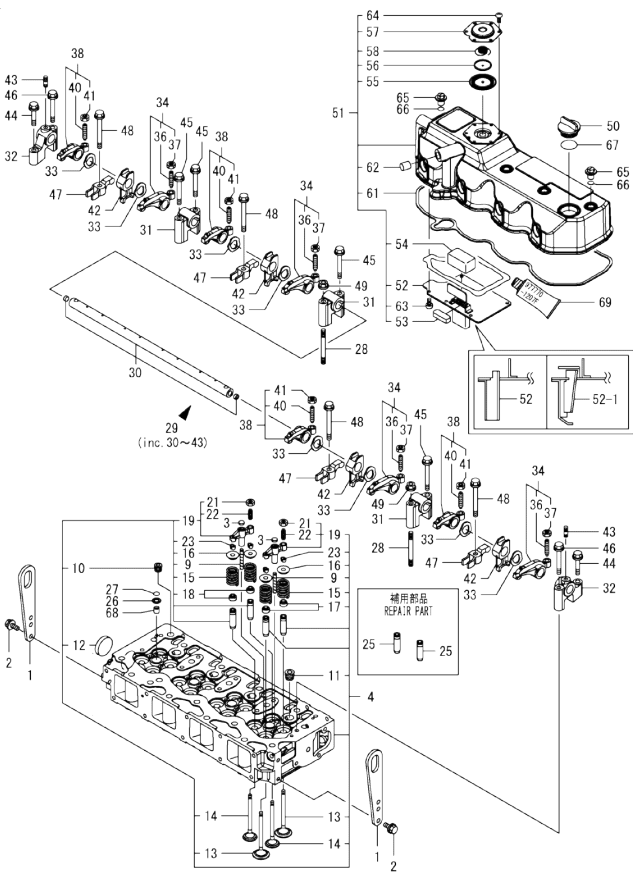
(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER, ENGINE	2	2						
2	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
3	1	123907-11550	SEAT, VALVE BRIDGE	8	8						
4	1	129907-11700	HEAD ASSY, CYLINDER	1	1						
9	2	123907-11820	GUIDE, BRIDGE	8	8						
10	2	23876-020000	PLUG, R02	1	1						
11	2	23876-030000	PLUG, R03	4	4						
12	2	27241-400000	PLUG, 40	1	1						
13	2	129907-11100	VALVE, SUCTION	8	8						
14	2	129907-11110	VALVE, EXHAUST	8	8						
15	2	129907-11120	SPRING, VALVE	16	16						
16	2	119620-11180	RETAINER, SPRING	16	16						
17	2	124160-11340	SEAL, VALVE STEM	8	8						
18	2	124950-11340	SEAL, VALVE STEM	8	8						
18-1	2	119803-11340	SEAL, VALVE STEM	8	8						N
(A=E28613)											
19	2	129907-11510	BRIDGE ASSY, VALVE	8	8						
21	3	129150-11750	NUT, M8	8	8						
22	3	123907-11830	ADJUSTER	8	8						
23	2	27310-070001	COTTER, 7	16	16						
25	1	129907-11800	GUIDE, VALVE	16	16						1
26	1	119625-11880	SEAT, NOZZLE	4	4						
27	1	24311-000120	O-RING, 1AP12.0	4	4						
28	1	119593-11301	BOLT, STUD M8X80	2	2						
29	1	129907-11341	SHAFT ASSY, ROCKER	1	1						
30	2	129907-11250	SHAFT, ROCKER ARM	1	1						
31	2	129907-11260	SUPPORT, ROCKER ARM	3	3						
32	2	129907-11270	SUPPORT, ROCKER ARM	2	2						
33	2	123907-11280	WASHER	8	8						
34	2	129907-11650	ARM ASSY, ROCKER	4	4						
36	3	129150-11230	SCREW, VALVE ADJUST	4	4						
37	3	129150-11750	NUT, M8	4	4						
38	2	129907-11660	ARM ASSY, ROCKER	4	4						
40	3	129150-11230	SCREW, VALVE ADJUST	4	4						
41	3	129150-11750	NUT, M8	4	4						
42	2	129907-11920	RETAINER, NOZZLE	4	4						
43	2	26226-080222	STUD, M8X 22	2	2						
44	1	26106-080402	BOLT, M8X 40 PLATED	2	2						
45	1	26106-080602	BOLT, M8X 60 PLATED	4	4						
46	1	26106-080602	BOLT, M8X 60 PLATED	2	2						
47	1	129907-11910	RETAINER, NOZZLE	4	4						
48	1	129907-11950	BOLT, M8X75	4	4						
49	1	26306-080002	NUT, M8	2	2						
50	1	124160-01751	CAP, FILLER	1	1						
51	1	129907-11320	BONNET ASSY, HEAD	1	1						
51-1	1	129907-11321	BONNET ASSY, HEAD	1	1						N
(A=E39532)											
52	2	129907-03010	PLATE, BAFFLE	1							
52-1	2	129907-03011	PLATE, BAFFLE	1	1						S
(A=E07924)											
53	2	129907-03060	BAFFLE, BREATHER	1							

N:Old $\frac{New}{Old}$ New, Q:Old $\frac{New}{Old}$ New, R:Old $\frac{New}{Old}$ New, S:Old $\frac{New}{Old}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++

Fig.4. CYLINDER HEAD & BONNET



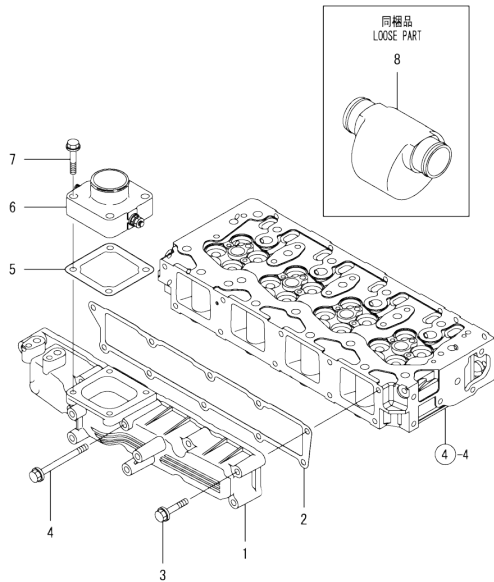
Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

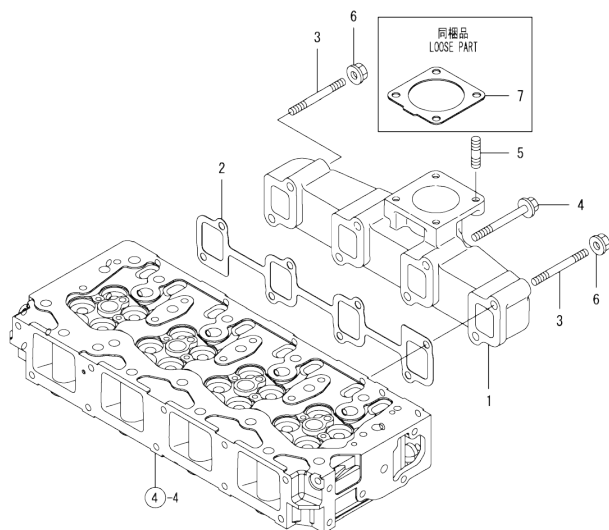
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
53-1	2	129907-03061 (A=E07924)	BAFFLE, BREATHER	1	1						S
54	2	129907-03070	BAFFLE, BREATHER	1	1						
55	2	123907-03100	DIAPHRAGM	1	1						
56	2	123907-03110	PLATE	1	1						
57	2	123907-03120	PLATE, BREATHER	1	1						
58	2	123907-03140	SPRING, DIAPHRAGM	1	1						
61	2	129907-11310	GASKET, BONNET	1							
61-1	2	129933-11310	GASKET, BONNET	1	1						N
(A=E39532)											
62	2	119640-61400	PLUG	1	1						
63	2	22857-500100	SCREW, 5X10	6	6						
64	2	22857-500100	SCREW, 5X10	6	6						
65	1	124160-11360	KNOB	4	4						
66	1	24311-000120	O-RING, 1AP12.0	4	4						
67	1	24311-000320	O-RING, 1AP32.0	1	1						
68	1	119802-11870	PROTECTOR, NOZZLE	4	4						
69	1	977770-1207F	GASKET, LIQUID	1	1						2

0CV10-M96801 4TNV94L-PHYBW,PHYBY
Fig.5. SUCTION MANIFOLD



										0CV10-M96801 Fig.5	
										(A)=4TNV94L-PHYBW (B)=4TNV94L-PHYBY (C)=	
										(D)= (E)= (F)=	
										Q'ty	
										I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-12100	MANIFOLD, AIR INTAKE	1	1						
2	1	129907-12110	GASKET, MANIFOLD	1	1						
3	1	26106-080552	BOLT, M8X 55 PLATED	9	9						
4	1	26106-080852	BOLT, M8X 85 PLATED	1	1						
5	1	121850-77021	GASKET, AIR HEATER	1	1						
6	1	129915-77050	HEATER, AIR 12V	1							
6-1	1	129915-77051	HEATER, AIR 12V	1	1						N
(A=**2008.05.)											
7	1	26106-080352	BOLT, M8X 35 PLATED	4	4						
8	1	119005-12060	SILENCER, INTAKE	1	1						

Fig.6. EXHAUST MANIFOLD

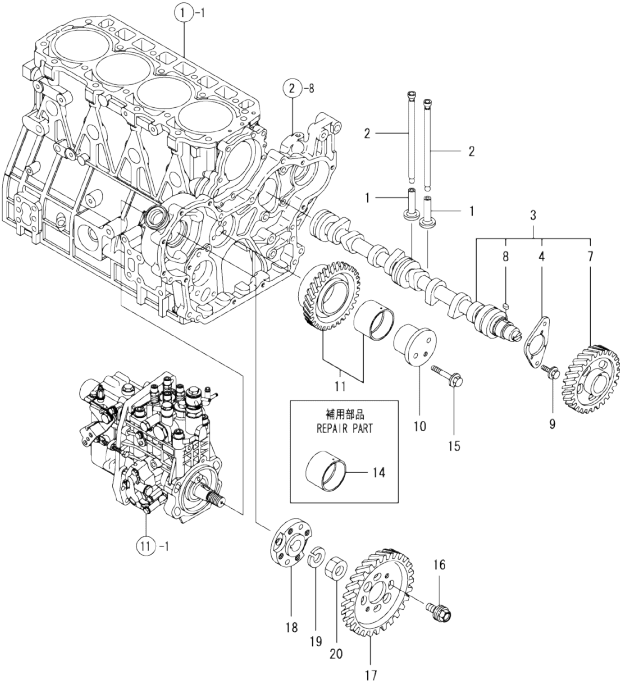


(D)=
(E)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-13200	MANIFOLD, EXHAUST	1	1						
2	1	129900-13251	GASKET, EXH.MANIFOLD	1	1						
3	1	123900-13610	BOLT, STUD M8X80	2	2						
4	1	123900-13630	BOLT, M8X80	6	6						
5	1	119131-18320	BOLT, STUD M8X22	4	4						
6	1	26306-080002	NUT, M8	2	2						
7	1	129930-13200	GASKET, SILENCER	1							
7-1	1	129930-13201	GASKET, SILENCER	1	1						N

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

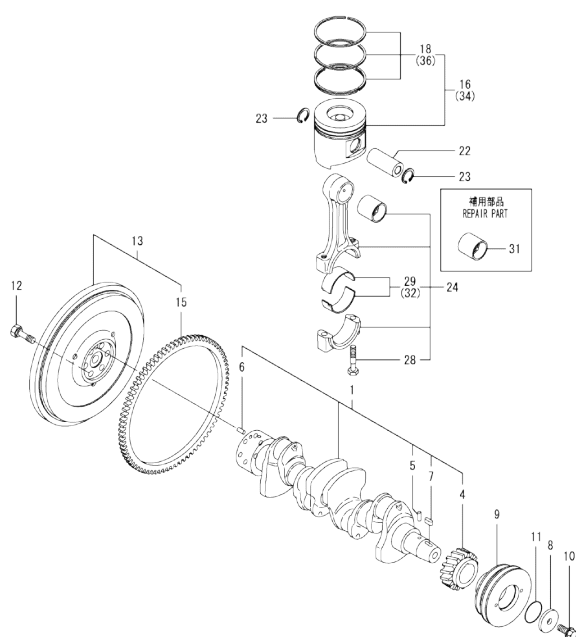


Remarks
(1) REPAIR PART.

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(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	129907-14400	PUSH-ROD	8	8						
3	1	129907-14581	CAMSHAFT ASSY	1	1						
3-1	1	129908-14581	CAMSHAFT ASSY	1	1					N	
		(A=EZZZZZ) (B=EZZZZZ)									
4	2	129150-02450	BEARING, THRUST	1	1						
7	2	129900-14100	GEAR, CAMSHAFT	1	1						
8	2	22512-070140	KEY, 7X 14	1	1						
9	1	26106-080162	BOLT, M8X 16 PLATED	2	2						
10	1	123900-25060	SHAFT, IDLE GEAR	1	1						
11	1	129900-25100	GEAR ASSY, IDLE	1	1						
14	1	129150-25920	BUSH, IDLE GEAR	1	1						1
15	1	26106-080552	BOLT, M8X 55 PLATED	3	3						
16	1	129953-25300	BOLT	4	4						
17	1	123907-25909	GEAR, PUMP	1							
17-1	1	129907-25900	GEAR, PUMP	1	1						R
		(A=E07917)									
18	1	158563-51150	FLANGE	1	1						
19	1	22217-180000	WASHER, SPRING 18	1	1						
20	1	26776-180002	NUT, LOCK M18	1	1						

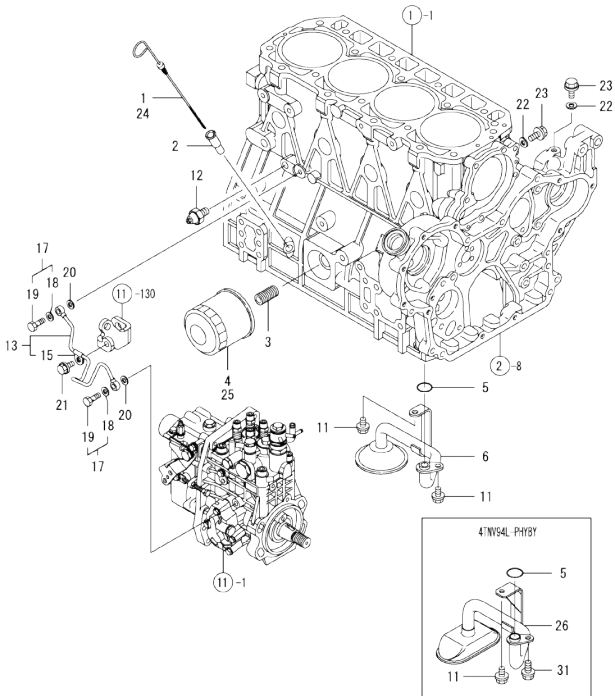


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129902-21000	CRANKSHAFT ASSY	1	1						
4	2	129900-21200	GEAR, CRANKSHAFT	1	1						
5	2	121850-21290	PIN	1	1						
6	2	121850-21920	PIN, PARALLEL 10X22	1	1						
7	2	22512-070140	KEY, 7X 14	1	1						
8	1	129960-21640	WASHER	1	1						
9	1	129916-21680	V-PULLEY, CRANKSHAFT	1							
9-1	1	129916-21620 (A=E24005)	V-PULLEY, CRANKSHAFT	1	1					N	
10	1	129916-21610	BOLT	1	1						
11	1	24341-000530	O-RING, 1AS53.0	1	1						
12	1	121850-21130	BOLT, FLYWHEEL	6	6						
13	1	129953-21581	FLYWHEEL ASSY	1	1						
15	2	129900-21600	GEAR, RING	1	1						
16	1	129906-22080	PISTON ASSY	4	4						
16-1	1	129906-22090 (A="2009.12) (B="2009.12)	PISTON ASSY	4	4					F	4
18	2	129906-22050	RING SET, PISTON	4	4						
22	1	120130-22301	PIN, PISTON	4	4						
23	1	22252-000300	RING, 30	8	8						
24	1	129900-23000	ROD ASSY, CONNECTING	4							
24-1	1	129900-23001 (A=E04348)	ROD ASSY, CONNECTING	4	4					N	
28	2	129900-23200	BOLT, CONNECTING ROD	8	8						
29	2	129900-23600	BEARING, CRANK PIN	4							
29-1	2	129900-23601 (A=E25657)	BEARING, CRANK PIN	4	4					N	
31	1	129900-23910	BEARING, PISTON PIN	4							1
31-1	1	129900-23911 (A=E04348)	BEARING, PISTON PIN	4	4					N	1
32	1	129900-23610	BEARING ASSY, 0.25US	4							2
32-1	1	129900-23611 (A=E25657)	BEARING ASSY, 0.25US	4	4					N	2
34	1	729906-22900	PISTON ASSY, 0.25 OS	4	4						3
34-1	1	129906-22900 (A=EXXXXXX) (B=EXXXXXX)	PISTON ASSY, 0.25 OS	4	4					R	3
34-2	1	129906-22910 (A="2009.12) (B="2009.12)	PISTON ASSY, 0.25 OS	4	4					F	3
36	2	729906-22950	RING SET, 0.25 OS	4	4						3
36-1	2	129916-22950 (A=EXXXXXX) (B=EXXXXXX)	RING SET, 0.25 OS	4	4					R	3

Remarks
(1) Repair part.
(2) Under-sized (U.S.=0.25) part.
(3) Over-sized (O.S.=0.25) part.
(4) Ref. No.16 is interchangeable with a set of Ref. No.16-1 and Fig.1 Ref. No.32-2.

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

Fig.9. LUB. OIL SYSTEM



Remarks
(1) REPAIR PART.

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

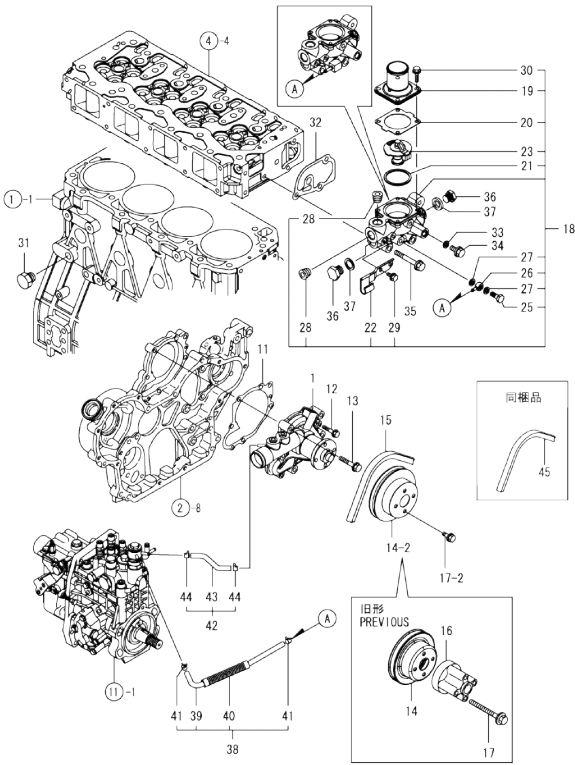
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-34800	DIPSTICK	1							
2	1	121520-34810	GUIDE, DIPSTICK	1	1						
3	1	119000-35140	BOLT, STUD FILTER	1	1						
4	1	129150-35153	FILTER ASSY, D80X80L	1							1
5	1	129900-32030	O-RING, P20	1	1						
6	1	129900-35000	PIPE ASSY, OIL INLET	1							
11	1	26106-080122	BOLT, M8X 12 PLATED	2	1						
12	1	121252-39450	SWITCH, HYDRAULIC	1	1						
13	1	129907-39061	PIPE ASSY, OIL	1	1						
15	2	123907-39500	RETAINER, PIPE	1	1						
17	1	129005-59830	BOLT ASSY, JOINT M8	2	2						
18	2	22190-080002	WASHER, SEAL 6	2	2						
19	2	23857-030000	BOLT, JOINT 3	2	2						
20	1	22190-080002	WASHER, SEAL 6	2	2						
21	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
22	1	22190-080002	WASHER, SEAL 6	2	2						
23	1	26106-080122	BOLT, M8X 12 PLATED	2	2						
24	1	129906-34851	DIPSTICK	1							
25	1	119005-35151	FILTER, D80X100	1							1
26	1	129953-35000	PIPE ASSY, OIL INLET	1							
31	1	26106-080162	BOLT, M8X 16 PLATED	1							

Fig.10. COOLING WATER SYSTEM

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

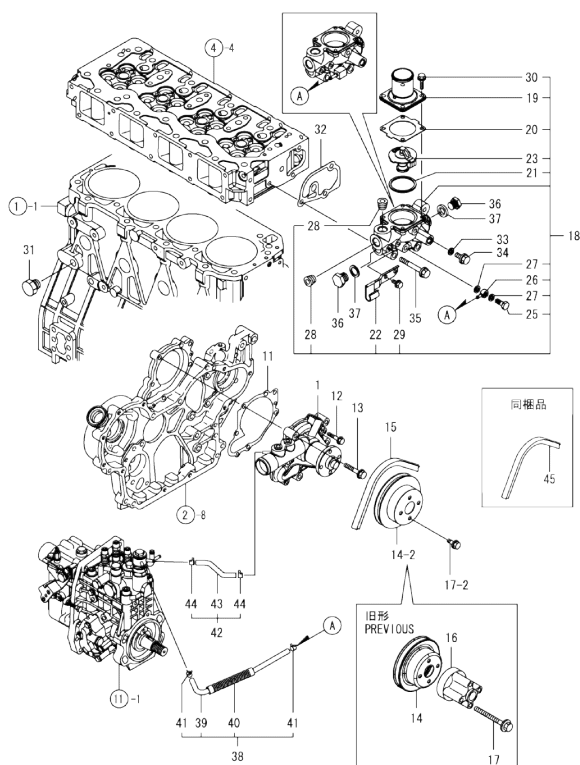


Y00V9881	10	COOLING WATER SYSTEM		
4TNV94L-PHYBW/PHYBY	1.08/08	2	3	PLUS

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129907-42000	PUMP ASSY, WATER	1	1						
11	1	129900-42020	GASKET, WATER PUMP	1	1						
12	1	26106-060302	BOLT, M6X 30 PLATED	2	2						
13	1	26106-080552	BOLT, M8X 55 PLATED	5	5						
14	1	129930-42450	V-PULLEY, C.W.PUMP	1							
14-1	1	129916-42410	V-PULLEY, C.W.PUMP	1	1						N
14-2	1	129928-42410	V-PULLEY, C.W.PUMP	1	1						N
		(A=E24005) (A=*2009.01) (B=*2009.01)									
15	1	25132-004100	V-BELT, A41	1							
15-1	1	25153-004400	V-BELT, B44	1	1						N
		(A=E24005)									
15-2	1	25153-004400	V-BELT, B44		1						Z
		(B=EZZZZZ)									
16	1	119117-44760	SPACER, FAN	1	1						Z
		(A=*2009.01) (B=*2009.01)									
17	1	129916-44770	BOLT, M8X78	4							
17-1	1	26106-080802	BOLT, M8X 80 PLATED	4	4						R
		(A=E05410)									
17-2	1	26014-080162	BOLT, M8X 16	4	4						S
		(A=*2009.01) (B=*2009.01)									
18	1	129946-49810	CASE ASSY,THERMOSTAT	1	1						
19	2	129916-49530	COVER, THERMOSTAT	1	1						
20	2	121850-49540	GASKET, THERMOSTAT	1	1						
21	2	121850-49550	GASKET, THERMOSTAT	1	1						
22	2	129907-49730	RETAINER, PIPE	1	1						
23	2	121850-49800	THERMOSTAT, 82C	1	1						
25	2	105582-59150	BOLT, PIPE JOINT M8	1							Z
		(A=E05410)									
26	2	23387-040800	JOINT, HOSE 4-8	1							Z
		(A=E05410)									
27	2	23414-080000	GASKET, 8X1.0	2							Z
		(A=E05410)									
28	2	23875-030000	PLUG, R03	2	2						
29	2	26106-060122	BOLT, M6X 12 PLATED	2							
29-1	2	26106-060122	BOLT, M6X 12 PLATED	1	1						K
		(A=E05410)									
30	2	26106-060202	BOLT, M6X 20 PLATED	4	4						
31	1	171056-49120	PLUG, DRAIN R1/4	1	1						
32	1	129900-49870	GASKET, THERMOSTAT	1	1						
33	1	23414-080000	GASKET, 8X1.0	1	1						
34	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
35	1	26106-080602	BOLT, M8X 60 PLATED	3	3						
36	1	121450-42450	PLUG, M16	2	2						
37	1	124465-44950	GASKET, 16	2	2						
38	1	129907-49610	HOSE ASSY, WATER	1	1						
39	2	129907-49710	HOSE, WATER	1	1						
40	2	129907-49750	TUBE, CORRUGATED	1	1						
41	2	124722-59050	CLAMP, HOSE 9	2	2						
42	1	129907-49620	HOSE ASSY, WATER	1	1						
43	2	129907-49720	HOSE, WATER	1	1						

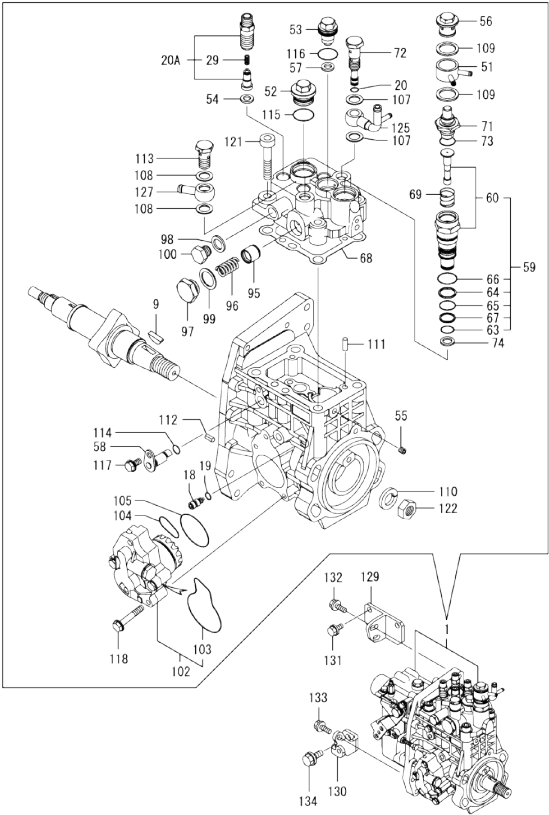
N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
44	2	124722-59050	CLAMP, HOSE 9	2	2						
45	1	25153-004400 (B=EZZZZZ)	V-BELT, B44		1					W	



Y00V9681	10. COOLING WATER SYSTEM			
4TNV94L-PHYBW/PYBY	1.08/082	3		PLUS

Fig.11. FUEL INJECTION PUMP



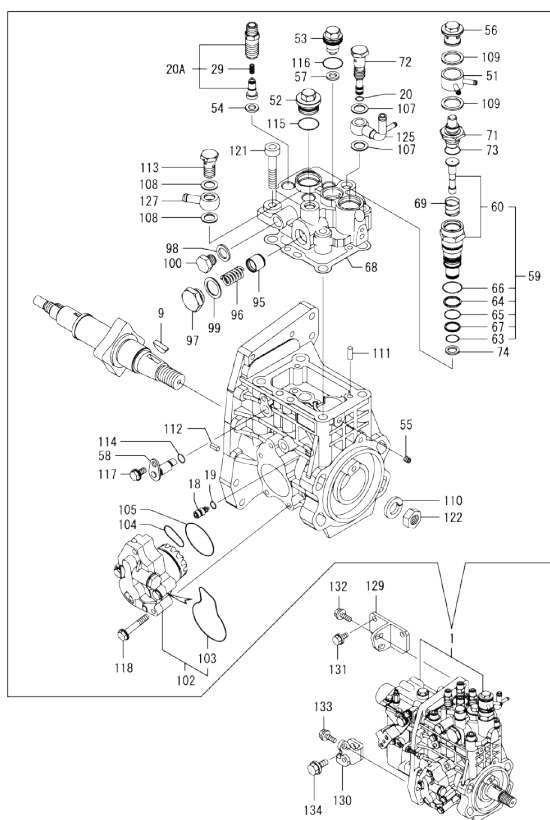
Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729906-51310	PUMP ASSY, INJECTION	1							1
1-1	1	729906-51311	PUMP ASSY, INJECTION	1						N	1
(A=E23109)											
1-2	1	729906-51312	PUMP ASSY, INJECTION	1	1					N	1
(A=E36711)											
9	2	144626-51090	FEATHER KEY, 5X19	1	1						
18	2	158600-51270	STOPPER, TAPPET	1	1						
19	2	158563-51281	O-RING, 4D S6	1	1						
20	2	158563-51281	O-RING, 4D S6	1	1						
20A	2	129509-51390	VALVE ASSY, DELIVERY	4	4					W	
(A=2008.04.)											
29	3	158563-51330	SPRING, DELIVERY	4	4						
51	2	158553-51551	JOINT, COOLING WATER	1	1						
52	2	158601-51550	PLUG, M22	1	1						
53	2	129907-51560	PLUG, M16	1	1						
54	2	158552-51570	GASKET, PLUG	4							
54-1	2	158552-51571	GASKET, PLUG	4	4						R
(A=2008.07.)											
55	2	158557-51570	PLUG, RACK	1	1						
56	2	158601-51570	PLUG	1	1						
57	2	129906-51580	GASKET, PLUG	1	1						
58	2	158552-51580	LIFTER, LINK	1	1						
59	2	119802-51590	TIMER ASSY	1	1						
60	3	119802-51600	TIMER ASSY	1	1						
63	3	158553-51670	O-RING	1	1						
64	3	119802-51680	RING, BACKUP	1	1						
65	3	119802-51690	O-RING	1	1						
66	3	24356-010200	O-RING, 4D1020	1	1						
67	3	24372-000150	RING, BACK UP T2P15	1	1						
68	2	158560-51600	GASKET	1	1						
69	2	158553-51630	SPRING, TIMER	1	1						
71	2	158553-51640	THERMOELEMENT	1	1						
72	2	158601-51650	JOINT, OVER FLOW	1	1						
73	2	158553-51660	O-RING, P14	1	1						
74	2	158553-51680	GASKET, TIMER	1	1						
95	3	158601-51770	PISTON, ACCUMULATOR	1	1						
96	3	158552-51781	SPRING, ACCUMULATOR	1	1						
97	3	158601-51790	PLUG	1	1						
98	3	22190-120002	WASHER, SEAL 12	1	1						
99	3	22190-180002	WASHER, SEAL 18	1	1						
100	3	23887-120002	PLUG, 12	1	1						
102	2	158552-52100	PUMP ASSY, FUEL FEED	1	1						
103	3	158552-52500	O-RING	1	1						
104	2	158552-52310	O-RING	1	1						
105	2	158552-52400	O-RING, 4E S42	1	1						
107	2	22190-120002	WASHER, SEAL 12	2	2						
108	2	22190-120002	WASHER, SEAL 12	2	2						
109	2	22190-180002	WASHER, SEAL 18	2	2						
110	2	22217-180000	WASHER, SPRING 18	1	1						
111	2	22312-050140	PIN, PARALLEL M5X14	2	2						
112	2	22351-050010	PIN, SPRING 5.0X10	2	2						

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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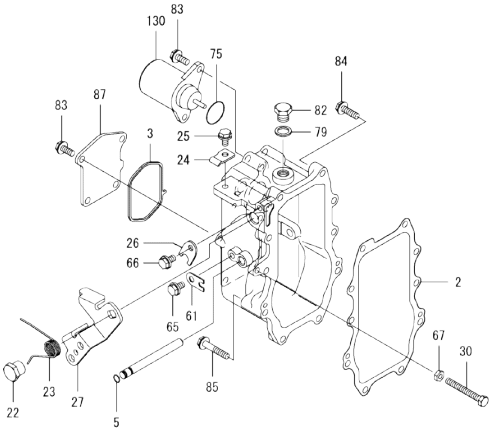


				(A)=4TNV94L-PHYBW (B)=4TNV94L-PHYBY (C)=					(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Qty	I	R	
113	2	23857-060000	BOLT, JOINT 6	1	1								
114	2	24311-000070	O-RING, 1AP7.0	1	1								
115	2	24356-010200	O-RING, 4D1020	1	1								
116	2	24356-020210	O-RING, 4D2021	1	1								
117	2	26106-060102	BOLT, M6X 10 PLATED	1	1								
118	2	26106-060352	BOLT, M6X 35 PLATED	4	4								
121	2	26450-100452	BOLT, M10X 45	4	4								
122	2	26776-180002	NUT, LOCK M18	1	1								
125	2	158552-51670	JOINT, OVER FLOW	1	1								
127	2	129916-59020	JOINT, PIPE 12	1	1								
129	1	129907-01950	RETAINER, PUMP	1	1								
130	1	129906-01960	RETAINER, PUMP	1	1								
131	1	26106-080162	BOLT, M8X 16 PLATED	2	2								
132	1	26106-080222	BOLT, M8X 22 PLATED	2	2								
133	1	26106-080222	BOLT, M8X 22 PLATED	1	1								
134	1	26106-100202	BOLT, M10X 20 PLATED	1	1								

Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).

N:Old ^{YES}/_{NO} New. Q:Old ^{NO}/_{YES} New. R:Old ^{YES}/_{YES} New. S:Old ^{NO}/_{NO} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

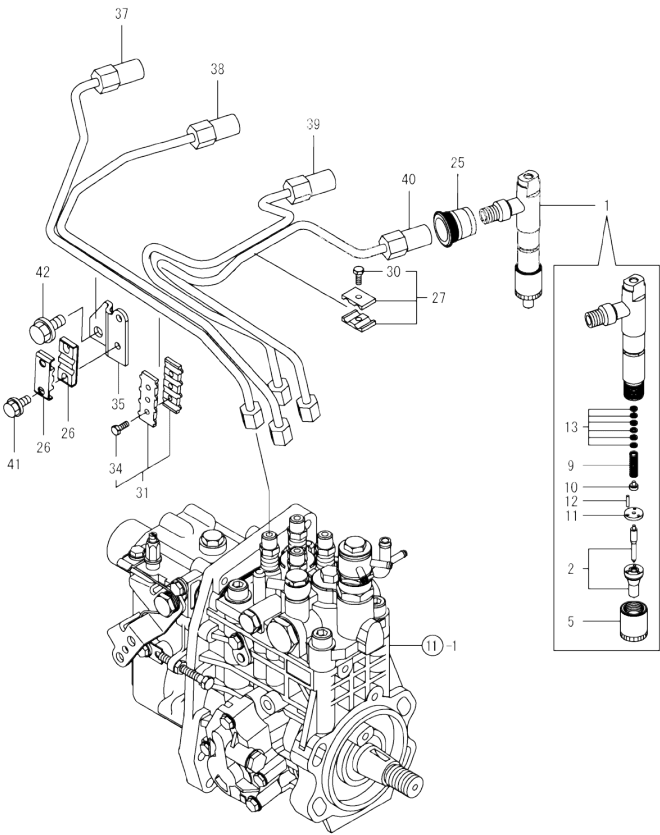
Fig.12. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158560-61050	GASKET	1	1						
3	2	158560-61071	GASKET	1	1						
5	2	129155-51280	O-RING, S6	1	1						
22	2	129255-61410	NUT, M8	1	1						
23	2	123944-61420	SPRING, LEVER	1	1						
24	2	123944-61430	RETAINER	1	1						
25	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
26	2	158560-61430	STOPPER, SHAFT	1	1						
27	2	158560-61442	LEVER, REGULATOR	1	1						
30	2	129155-61460	BOLT, LIMITING	1	1						
61	2	119660-61901	STOPPER, SHAFT	1	1						
65	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
66	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
67	2	26756-060002	NUT, LOCK M6	1	1						
75	2	158552-61900	O-RING	1	1						
79	2	22190-160002	WASHER, SEAL 16	1	1						
82	2	23887-160002	PLUG, 16	1	1						
83	2	26106-060142	BOLT, M6X 14 PLATED	6	6						
84	2	26106-060252	BOLT, M6X 25 PLATED	8	8						
85	2	26106-060402	BOLT, M6X 40 PLATED	2	2						
87	2	158560-61061	COVER, GOVERNOR CASE	1	1						
130	2	119233-77932	SOLENOID, STOP	1	1						

Fig.13. FUEL INJECTION VALVE

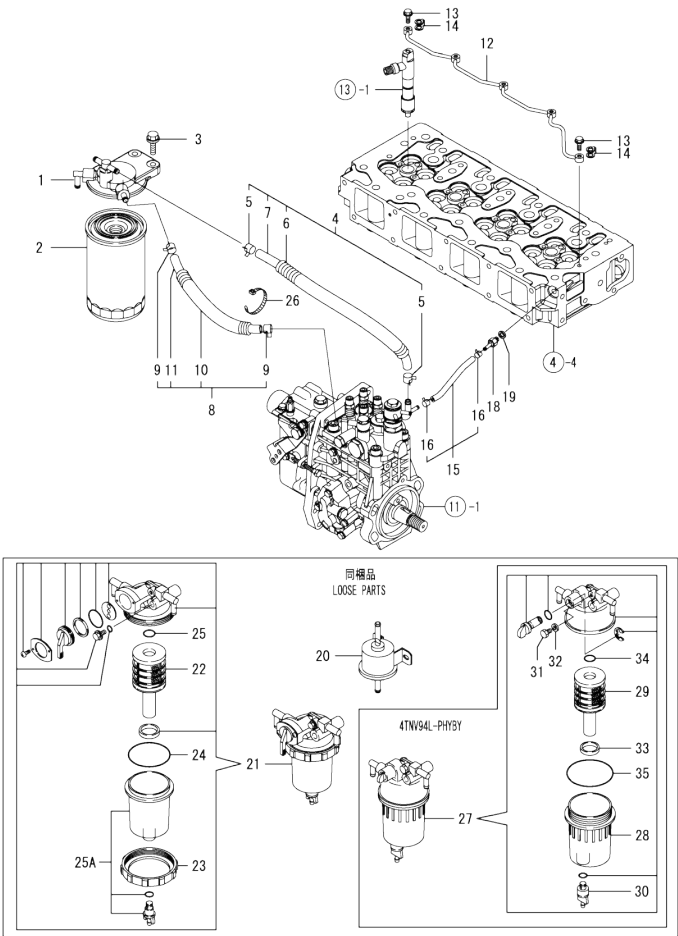


(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729906-53100	FUEL INJECTOR ASSY	4	4						
2	2	129906-53000	NOZZLE ASSY, F.I.	4	4						
5	2	114250-53080	NUT, NOZZLE	4	4						
9	2	114250-53120	SPRING, NOZZLE	4	4						
10	2	114250-53130	SEAT, SPRING	4	4						
11	2	114250-53140	SPACER	4	4						
12	2	114250-53210	PIN	8	8						
13	2	114250-53400	SHIM SET	4	4						
25	1	123907-11601	SEAL, PIPE	4	4						
26	1	122780-59100	RETAINER	2	2						
27	1	119305-59120	RETAINER, PIPE	1	1						
30	2	129150-59131	BOLT, M4X14	1	1						
31	1	129550-59120	RETAINER, PIPE	1	1						
34	2	129150-59131	BOLT, M4X14	2	2						
35	1	129907-59710	SUPPORT	1	1						
37	1	129907-59810	PIPE ASSY, INJECTION	1	1						
38	1	129907-59820	PIPE ASSY, INJECTION	1	1						
39	1	129907-59830	PIPE ASSY, INJECTION	1	1						
40	1	129907-59840	PIPE ASSY, INJECTION	1	1						
41	1	26106-060162	BOLT, M6X 16 PLATED	2	2						
42	1	26106-080182	BOLT, M8X 18 PLATED	1	1						

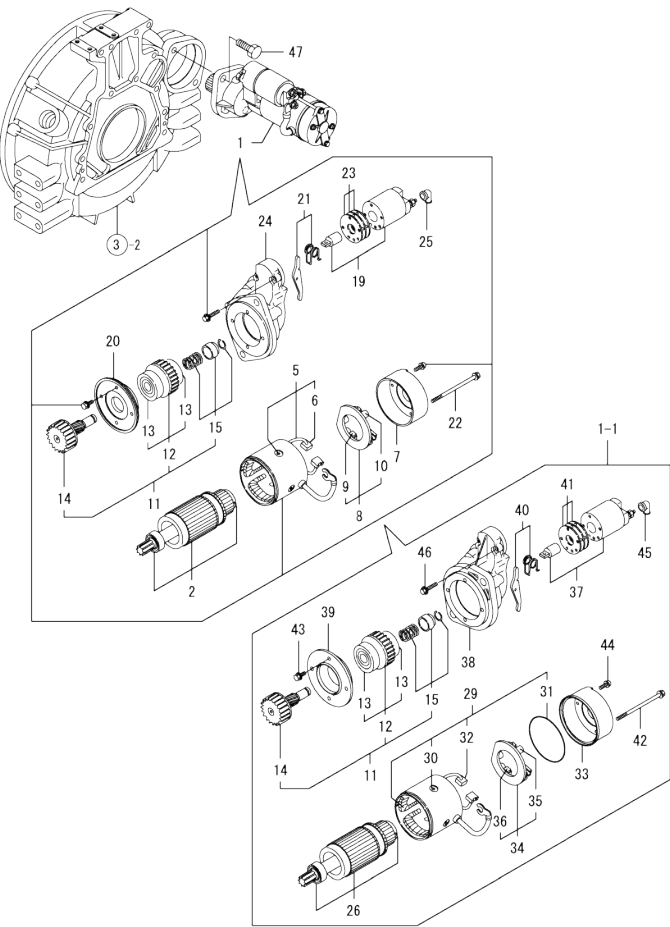
Fig.14. FUEL LINE



										OCV10-M96801 Fig.14	
										(A)=4TNV94L-PHYBW (B)=4TNV94L-PHYBY (C)=	
										(D)= (E)= (F)=	
										Q'ty	
										(A) (B) (C) (D) (E) (F)	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-55610	BRACKET, FILTER	1							
1-1	1	129004-55611	BRACKET, FILTER	1							R
(A=E10989)											
1-2	1	129004-55612	BRACKET, FILTER	1	1						R
(A=E24005)											
2	1	123907-55800	FILTER, FUEL	1							
2-1	1	123907-55801	FILTER, FUEL	1	1						R
(A=E25657)											
2-2	1	129907-55801	FILTER, FUEL		1						N
(B=EZZZZZ)											
3	1	26106-080302	BOLT, M8X 30 PLATED	2	2						
4	1	129457-59010	HOSE ASSY, FUEL	1	1						
5	2	124766-59050	CLAMP, HOSE 11.5	2	2						
6	2	129957-59120	TUBE, CORRUGATED 15	1	1						
7	2	105025-59750	HOSE, FUEL	1	1						
8	1	129981-59010	HOSE ASSY, FUEL	1	1						
9	2	124766-59050	CLAMP, HOSE 11.5	2	2						
10	2	129950-59221	TUBE, CORRUGATED 15	1	1						
11	2	129980-59510	HOSE, FUEL	1	1						
12	1	129907-59140	PIPE ASSY, RETURN	1	1						
13	1	123907-59540	BOLT, PIPE JOINT M6	5	5						
14	1	123907-59550	GASKET	5	5						
15	1	129486-59551	HOSE ASSY, RETURN	1	1						
16	2	124722-59050	CLAMP, HOSE 9	2	2						
18	1	123907-59560	JOINT, HOSE	1	1						
19	1	22190-080002	WASHER, SEAL 6	1	1						
20	1	129612-52100	PUMP, FUEL FEED	1	1						
21	1	129906-55700	SEPARATOR ASSY,WATER	1							
22	2	119802-55710	ELEMENT	1							
23	2	129100-55690	RING, CUP RETAINING	1							
24	2	24321-000650	O-RING, 1AG65.0	1							
25	2	24311-000160	O-RING, 1AP16.0	1							
25A	2	119802-55730	CUP ASSY, SEPARATOR	1							W
(A=FROM 1ST)											
26	1	121750-59890	BAND, NYLON	1	1						
27	1	129242-55710	SEPARATOR ASSY,WATER	1							
27-1	1	129245-55710	SEPARATOR ASSY,WATER	1							N
(B=EZZZZZ)											
28	2	129242-55720	CUP, SEPARATOR	1							
28-1	2	129245-55720	CUP ASSY, SEPARATOR	1							N
(B=EZZZZZ)											
29	2	129242-55730	ELEMENT, FUEL	1							
30	2	129242-55740	PLUG, DRAIN	1							
31	2	129242-55750	VALVE, AIR VENT	1							
32	2	129242-55760	GASKET, PLUG	1							
33	2	129242-55770	FLOAT	1							
34	2	24311-000160	O-RING, 1AP16.0	1							
35	2	24321-000750	O-RING, 1AG75.0	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
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Fig.15. STARTING MOTOR



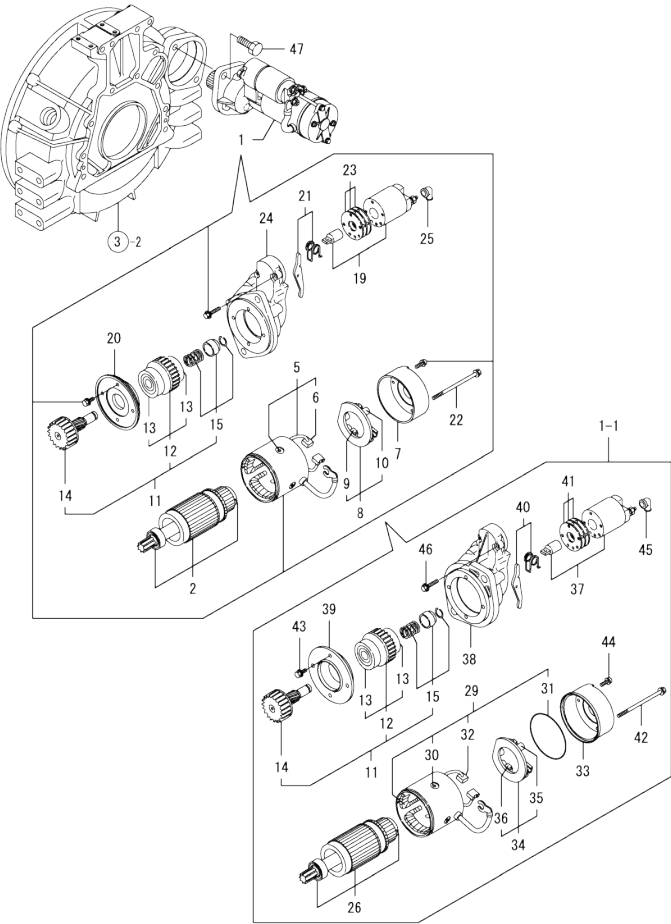
(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	123900-77010	STARTER ASSY	1							
1-1	1	129940-77010 (A=E32985)	STARTER ASSY	1	1						N
2	2	123900-77400 (A=E32985)	ARMATURE ASSY	1							Z
5	2	123900-77440 (A=E32985)	COIL ASSY, FIELD	1							Z
6	3	123900-77450 (A=E32985)	BRUSH	2							Z
7	2	123900-77460 (A=E32985)	COVER	1							Z
8	2	123900-77480 (A=E32985)	HOLDER ASSY, BRUSH	1							Z
9	3	123900-77450 (A=E32985)	BRUSH	2							Z
10	3	121254-77590 (A=E32985)	SPRING, BRUSH	4							Z
11	2	123900-77510	PINION ASSY	1	1						
12	3	123900-77520	CLUTCH ASSY	1	1						
13	4	X2240610100	BEARING, BALL	2	2						
14	3	123900-77540	SHAFT, PINION	1	1						
15	3	119131-77550	STOPPER SET, PINION	1	1						
19	2	129900-77591 (A=E32985)	SWITCH ASSY, MAGNET	1							Z
20	2	123900-77610 (A=E32985)	RETAINER, BEARING	1							Z
21	2	129900-77620 (A=E32985)	LEVER SET	1							Z
22	2	123900-77640 (A=E32985)	BOLT, THROUGH	2							Z
23	2	123900-77650 (A=E32985)	COVER KIT, DUST	1							Z
24	2	123900-77710 (A=E32985)	CASE, GEAR	1							Z
25	2	171008-77750 (A=E32985)	COVER, TERMINAL	1							Z
26	2	129940-77100 (A=E32985)	ARMATURE ASSY	1	1						W
29	2	129940-77130 (A=E32985)	COIL ASSY, FIELD	1	1						W
30	3	129940-77140 (A=E32985)	SCREW, CORE SET	4	4						W
31	3	129940-77150 (A=E32985)	O-RING	1	1						W
32	3	129940-77160 (A=E32985)	BRUSH	2	2						W
33	2	129940-77170 (A=E32985)	COVER	1	1						W
34	2	129940-77180 (A=E32985)	HOLDER ASSY, BRUSH	1	1						W
35	3	129940-77190	SPRING, BRUSH	1	1						W

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.15. STARTING MOTOR

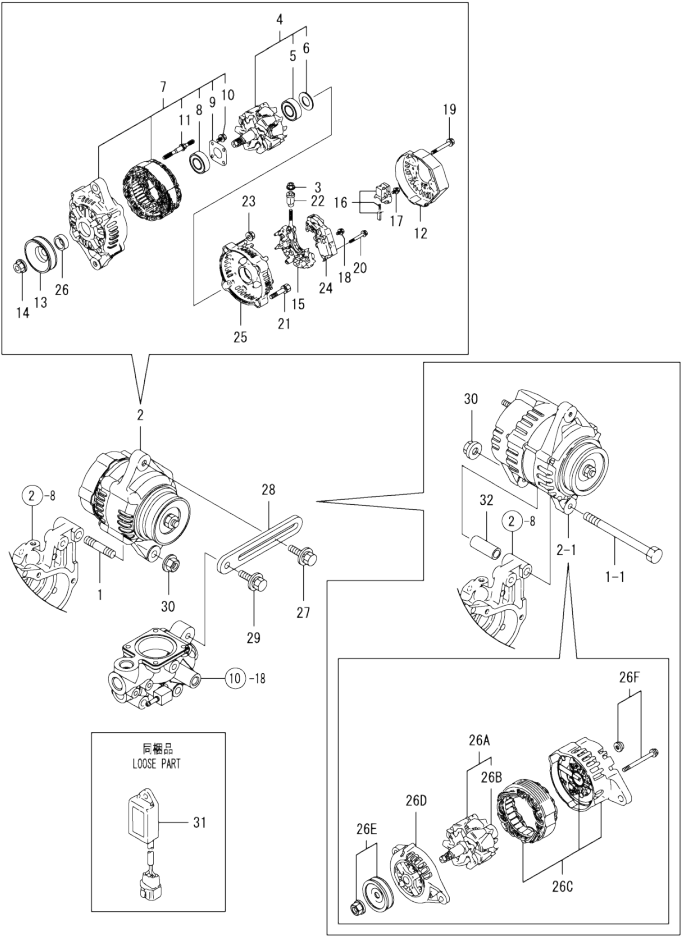


(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
36		(A=E32985) 3 129940-77200 (A=E32985)	BRUSH	2	2					W	
37		2 129940-77210 (A=E32985)	SWITCH ASSY, MAGNET	1	1					W	
38		2 129940-77220 (A=E32985)	CASE, GEAR	1	1					W	
39		2 129940-77230 (A=E32985)	RETAINER, BEARING	1	1					W	
40		2 129940-77240 (A=E32985)	LEVER SET	1	1					W	
41		2 129940-77250 (A=E32985)	COVER KIT, DUST	1	1					W	
42		2 129940-77260 (A=E32985)	BOLT, THROUGH	2	2					W	
43		2 129940-77270 (A=E32985)	BOLT	4	4					W	
44		2 129940-77280 (A=E32985)	SCREW	2	2					W	
45		2 121254-77810 (A=E32985)	COVER, TERMINAL	1	1					W	
46		2 114371-79070 (A=E32985)	BOLT	2	2					W	
47		1 26116-120252 (A=E32985)	BOLT, M12X 25 PLATED	2	2						

Fig.16. GENERATOR

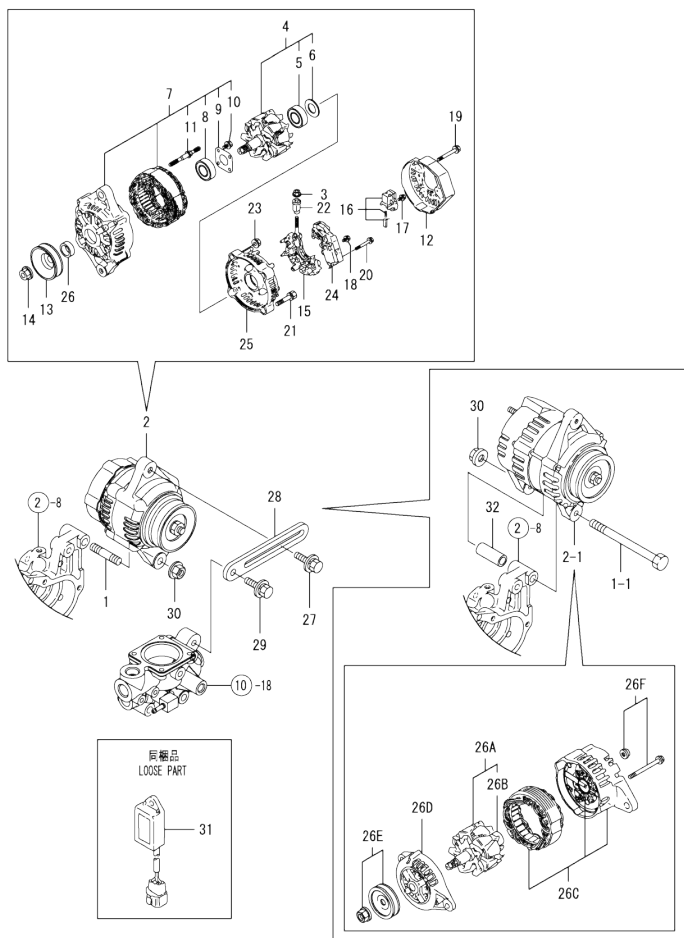


(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	BOLT, STUD M10X33	1							
1-1	1	26116-101202 (A=E24005)	BOLT, M10X120 PLATED	1						S	
2	1	119626-77210	ALTERNATOR, 12V-55A	1							
2-1	1	123900-77210 (A=E24005)	ALTERNATOR, 12V-60A	1						N	
3	2	X9490561001 (A=E24005)	NUT	1						Z	
4	2	129052-77380 (A=E24005)	ROTOR ASSY	1						Z	
5	3	123501-79240 (A=E24005)	BEARING, BALL	1						Z	
6	3	119620-79250 (A=E24005)	COVER, BEARING	1						Z	
7	2	129052-77422 (A=E24005)	FRAME ASSY	1						Z	
8	3	119620-79200 (A=E24005)	BEARING, BALL	1						Z	
9	3	119620-79210 (A=E24005)	RETAINER	1						Z	
10	3	119620-79220 (A=E24005)	SCREW	4						Z	
11	3	119620-79230 (A=E24005)	BOLT, STUD	2						Z	
12	2	128401-77440 (A=E24005)	COVER	1						Z	
13	2	119620-77461 (A=E24005)	PULLEY, GENERATOR	1						Z	
14	2	119620-77471 (A=E24005)	NUT	1						Z	
15	2	129052-79260 (A=E24005)	HOLDER	1						Z	
16	2	129052-79270 (A=E24005)	HOLDER, BRUSH	1						Z	
17	2	119620-79290 (A=E24005)	SCREW	6						Z	
18	2	119620-79300 (A=E24005)	SCREW	1						Z	
19	2	119620-79310 (A=E24005)	BOLT	3						Z	
20	2	119620-79320 (A=E24005)	SCREW	2						Z	
21	2	119620-79330 (A=E24005)	BOLT	2						Z	
22	2	119620-79340 (A=E24005)	BUSH, INSULATION	1						Z	
23	2	119620-79350 (A=E24005)	NUT	2						Z	
24	2	129423-77710 (A=E24005)	REGULATOR ASSY	1						Z	
25	2	119626-77450	FRAME	1						Z	

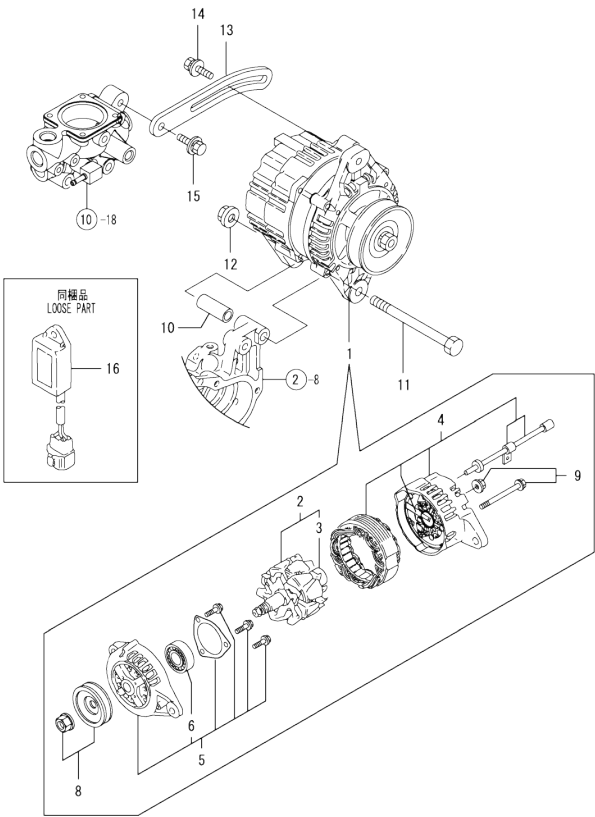
N:Old $\frac{New}{Old}$ New, Q:Old $\frac{New}{Old}$ New, R:Old $\frac{New}{Old}$ New, S:Old $\frac{New}{Old}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
26		(A=E24005) 2 119620-77490 (A=E24005)	COLLAR	1						Z	
26A	2	123900-77700 (A=E24005)	ROTOR ASSY	1						W	
26B	3	129612-77710	BEARING, BALL	1						W	
26C	2	123900-77720 (A=E24005)	BRACKET ASSY	1						W	
26D	2	123900-77730 (A=E24005)	BRACKET ASSY	1						W	
26E	2	123900-77740	PULLEY, GENERATOR	1						W	
26F	2	123900-77750 (A=E24005)	SCREW KIT	1						W	
27	1	119810-77340	BOLT, ADJUST L=30	1							
28	1	129900-77330	ADJUSTER, BELT	1							
28-1	1	129916-77300	ADJUSTER, BELT	1							N
29	1	26014-080252 (A=E24005)	BOLT, M8X 25	1							
30	1	26306-100002	NUT, M10	1							
31	1	129211-77920	TIMER	1							
32	1	129470-77340 (A=E24005)	PIECE, DISTANCE	1						W	

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.17. GENERATOR

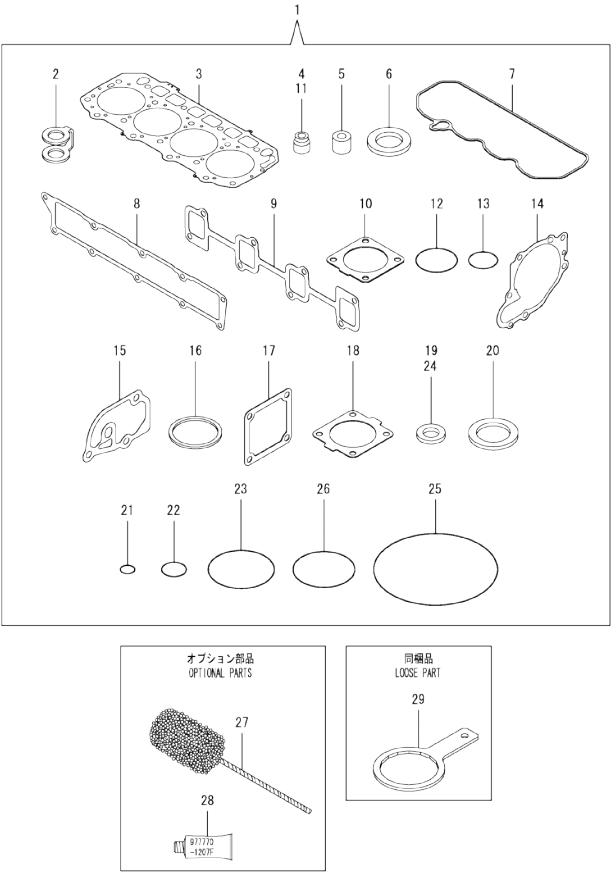


(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	123910-77210 (B=EZZZZZ)	ALTERNATOR, 12V-80A		1						Z
2	2	123910-77740	ROTOR ASSY		1						
3	3	129900-77810	BEARING, BALL		1						
4	2	123910-77760	BRACKET ASSY		1						
5	2	129900-77890	BRACKET ASSY		1						
6	3	129900-77900	BEARING, BALL		1						
8	2	123910-77910	PULLEY, GENERATOR		1						
9	2	129900-77920	SCREW KIT		1						
10	1	129470-77340 (B=EZZZZZ)	PIECE, DISTANCE		1						Z
11	1	26116-101202 (B=EZZZZZ)	BOLT, M10X120 PLATED		1						Z
12	1	26306-100002 (B=EZZZZZ)	NUT, M10		1						Z
13	1	129916-77300	ADJUSTER, BELT		1						
14	1	119810-77340	BOLT, ADJUST L=30		1						
15	1	26014-080252 (B=EZZZZZ)	BOLT, M8X 25		1						Z
16	1	129211-77920 (B=EZZZZZ)	TIMER		1						

Fig.18. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=4TNV94L-PHYBW
(B)=4TNV94L-PHYBY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729906-92620	GASKET SET	1							1
1-1	1	729906-92621	GASKET SET	1	1					N	1
(A=E000X)											
1-2	1	129906-92660	GASKET SET	1	1					N	1
(A="2009.12) (B="2009.12)											
2	2	123907-59550	GASKET	5	5						
3	2	129906-01340	GASKET, HEAD	1	1						
3-1	2	129906-01350	GASKET, HEAD	1	1					N	
(A="2009.12) (B="2009.12)											
4	2	124160-11340	SEAL, VALVE STEM	8	8						
5	2	119802-11870	PROTECTOR, NOZZLE	4	4						
6	2	119625-11880	SEAT, NOZZLE	4	4						
7	2	129907-11310	GASKET, BONNET	1							
7-1	2	129933-11310	GASKET, BONNET	1	1					N	
(A=E39532)											
8	2	129907-12110	GASKET, MANIFOLD	1	1						
9	2	129900-13251	GASKET, EXH.MANIFOLD	1	1						
10	2	129930-13200	GASKET, SILENCER	1							
10-1	2	129930-13201	GASKET, SILENCER	1	1					N	
(A=E07917)											
11	2	124950-11340	SEAL, VALVE STEM	8							
11-1	2	119803-11340	SEAL, VALVE STEM	8	8					N	
(A=E28613)											
12	2	129900-32030	O-RING, P20	2	2						
13	2	129900-32040	O-RING, P14	1	1						
14	2	129900-42020	GASKET, WATER PUMP	1	1						
15	2	129900-49870	GASKET, THERMOSTAT	1	1						
16	2	121850-49550	GASKET, THERMOSTAT	1	1						
17	2	121850-77021	GASKET, AIR HEATER	1	1						
18	2	121850-49540	GASKET, THERMOSTAT	1	1						
19	2	23414-080000	GASKET, 8X1.0	3							
19-1	2	23414-080000	GASKET, 8X1.0	1	1					K	
(A=E05410)											
20	2	124465-44950	GASKET, 16	2	2						
21	2	24311-000070	O-RING, 1AP7.0	1	1						
22	2	24311-000120	O-RING, 1AP12.0	8	8						
23	2	24311-000320	O-RING, 1AP32.0	3	3						
24	2	22190-080002	WASHER, SEAL 6	7	7						
25	2	24341-000530	O-RING, 1AS53.0	1	1						
26	2	24351-030750	O-RING, 1A3075	1	1						
27	1	129400-92440	HONE, FLEX	1	1						1
28	1	977770-1207F	GASKET LIQUID	1	1						1
29	1	119640-92750	TOOL, FILTER WRENCH	1	1						W
(A=E000X)											

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105025-59750	14	7
105582-59150	10	25
114250-53080	13	5
114250-53120	13	9
114250-53130	13	10
114250-53140	13	11
114250-53210	13	12
114250-53400	13	13
114371-79070	15	46
119000-35140	9	3
119005-12060	5	8
119005-35151	9	25
119117-44760	10	16
119131-18320	6	5
119131-77550	15	15
119233-77932	12	130
119305-59120	13	27
119593-11301	4	28
119620-01750	3	12
119620-11180	4	16
119620-77461	16	13
119620-77471	16	14
119620-77490	16	26
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79290	16	17
119620-79300	16	18
119620-79310	16	19
119620-79320	16	20
119620-79330	16	21
119620-79340	16	22
119620-79350	16	23
119625-11880	4	26
	18	6
119626-77210	16	2
119626-77450	16	25
119640-61400	4	62
119640-92750	18	29
119660-61901	12	61
119802-11870	4	68
	18	5
119802-51590	11	59
119802-51600	11	60
119802-51680	11	64
119802-51690	11	65
119802-55710	14	22
119802-55730	14	25 A

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119803-11340	4	18 -1
	18	11 -1
119810-77340	16	27
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120130-22301	8	22
121252-39450	9	12
121254-77590	15	10
121254-77810	15	45
121450-42450	10	36
121520-34810	9	2
121750-59890	14	26
121850-21130	8	12
121850-21290	8	5
121850-21920	8	6
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	18	18
121850-49550	10	21
	18	16
121850-49800	10	23
121850-77021	5	5
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122780-59100	13	26
123501-79240	16	5
123900-13610	6	3
123900-13630	6	4
123900-25060	7	10
123900-77010	15	1
123900-77210	16	2 -1
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123900-77450	15	6
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123900-77460	15	7
123900-77480	15	8
123900-77510	15	11
123900-77520	15	12
123900-77540	15	14
123900-77610	15	20
123900-77640	15	22
123900-77650	15	23
123900-77700	16	26 A
123900-77710	15	24
123900-77720	16	26 C
123900-77730	16	26 D
123900-77740	16	26 E
123900-77750	16	26 F
123907-03100	4	55
123907-03110	4	56
123907-03120	4	57
123907-03140	4	58

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123907-11550	4	3
123907-11601	13	25
123907-11820	4	9
123907-11830	4	22
123907-25909	7	17
123907-39500	9	15
123907-55800	14	2
123907-55801	14	2 -1
123907-59540	14	13
123907-59550	14	14
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123907-59560	14	18
123910-77210	17	1
123910-77740	17	2
123910-77760	17	4
123910-77910	17	8
123944-61420	12	23
123944-61430	12	24
124160-01751	2	35
	4	50
124160-11340	4	17
	18	4
124160-11360	4	65
124465-44950	10	37
	18	20
124722-59050	10	41
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	14	16
124766-59050	14	5
	9	
124950-11340	4	18
	18	11
128401-77440	16	12
129001-91810	2	24
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129004-55610	14	1
129004-55611	14	1 -1
129004-55612	14	1 -2
129005-59830	9	17
129052-77380	16	4
129052-77422	16	7
129052-79260	16	15
129052-79270	16	16
129100-01580	2	5
	3	1
129100-55690	14	23
129150-02450	7	4
129150-11230	4	36
	40	

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129150-11750	4	21
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129150-14200	7	1
129150-25920	7	14
129150-35153	9	4
129150-59131	13	30
		34
129155-51280	12	5
129155-61460	12	30
129211-77920	16	31
	17	16
129242-55710	14	27
129242-55720	14	28
129242-55730	14	29
129242-55740	14	30
129242-55750	14	31
129242-55760	14	32
129242-55770	14	33
129245-55710	14	27 -1
129245-55720	14	28 -1
129255-61410	12	22
129400-92440	18	27
129423-77710	16	24
129457-59010	14	4
129470-77340	16	32
	17	10
129486-59551	14	15
129509-51390	11	20 A
129550-59120	13	31
129612-52100	14	20
129612-77710	16	26 B
129795-01900	16	1
129900-01200	1	31
129900-01250	1	5
129900-01850	2	41
129900-01870	2	42
129900-02020	1	7
129900-02340	1	34
129900-02341	1	34 -1
129900-02410	1	10
129900-02930	1	25
129900-02931	1	25 -1
129900-02940	1	37
129900-02941	1	37 -1
129900-07900	4	1
129900-13200	6	1
129900-13251	6	2
	18	9
129900-14100	7	7

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129900-21600	8	15
129900-23000	8	24
129900-23001	8	24 -1
129900-23200	8	28
129900-23600	8	29
129900-23601	8	29 -1
129900-23610	8	32
129900-23611	8	32 -1
129900-23910	8	31
129900-23911	8	31 -1
129900-25100	7	11
129900-32001	2	11
129900-32030	2	22
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129900-35000	9	6
129900-42020	10	11
	18	14
129900-49870	10	32
	18	15
129900-77330	16	28
129900-77591	15	19
129900-77620	15	21
129900-77810	17	3
129900-77890	17	5
129900-77900	17	6
129900-77920	17	9
129902-21000	8	1
129906-01340	1	32
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129906-01350	1	32 -2
	18	3 -1
129906-01640	3	9
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129906-01720	3	8
129906-01960	11	130
129906-22050	8	18
129906-22080	8	16
129906-22090	8	16 -1
129906-22900	8	34 -1
129906-22910	8	34 -2
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