

0CV10-M87500EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV82A—KIR engine manufactured since March, 2003.
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.

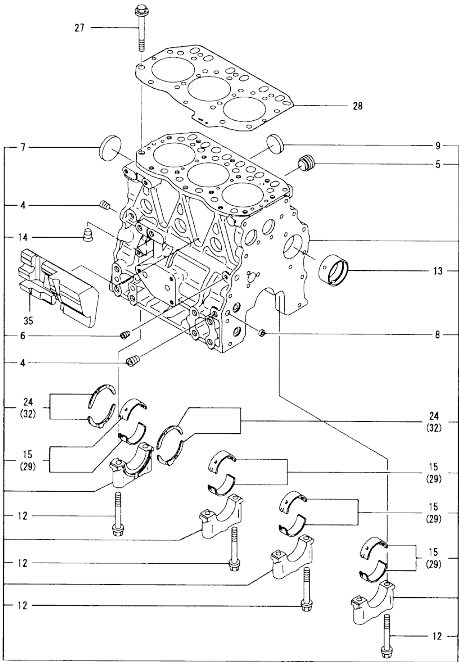
Contents

0CV10-M87500

Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE SECTION			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & 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.	FUEL INJECTION VALVE		
13.	FUEL LINE		
14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		
17.	FUEL INJECTION PUMP(INNER PART		
18.	GOVERNOR (INNER PARTS)		

0CV10-M87500 ENGINE SECTION
Fig.1. CYLINDER BLOCK

Y00V8750



Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.

Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.

0CV10-M87500 Fig.1

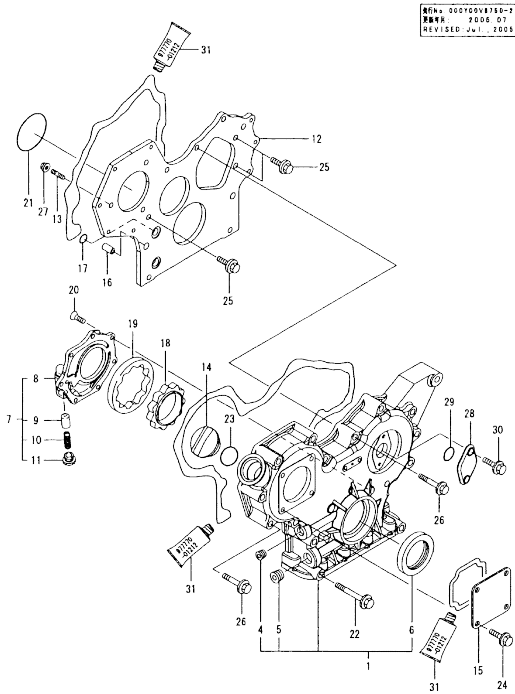
(A)=3TNV82A-KIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01560	BLOCK ASSY, CYLINDER	1							
4	2	124160-01910	PLUG, PT1/4	2							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	124060-01050	PLUG, PT1/8	1							
7	2	129001-01250	PLUG, 50	1							
8	2	27241-120000	PLUG, 12	2							
9	2	27241-300000	PLUG 30	6							
12	2	119620-02020	BOLT, METAL CAP	8							
13	2	129795-02411	BUSH, CAMSHAFT	1							
14	2	124160-01910	PLUG, PT1/4	1							
15	2	719810-02810	BEARING, MAIN	4							
18	2	119810-02930	BEARING, THRUST	1							
21	1	119810-01200	BOLT, HEAD	14							
22	1	119812-01330	GASKET, HEAD	1							
23	1	119810-02870	BEARING, 0.25 US	4							1
26	1	119810-02940	BEARING, THRUST 0.25	2							2
29	1	119802-01190	SPACER	1							

0CV10-M87500 ENGINE SECTION
Fig.2. GEAR HOUSING

Y00V8750



Remarks
(1) OPTIONAL PART.

Remarks
(1) OPTIONAL PART.

0CV10-M87500 Fig.2

(A)=3TNV82A-KIR
(B)=
(C)=

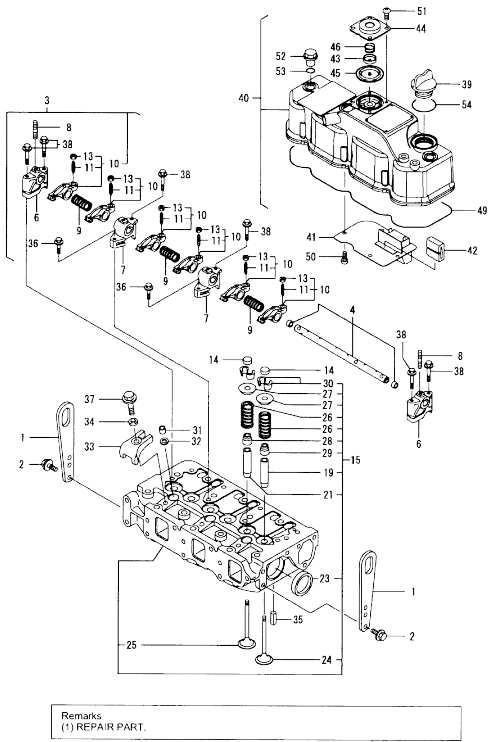
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01500	CASE ASSY, GEAR	1							
1-1	1	729233-01500	CASE ASSY, GEAR	1							N
(A=ER00773)											
4	2	23876-030000	PLUG, R03	1							
5	2	23876-040000	PLUG, R04	1							
6	2	129795-01800	SEAL, OIL	1							
6-1	2	119934-01800	SEAL, OIL	1							N
(A=ER00773)											
7	1	119802-32100	COVER ASSY	1							
8	2	119802-32070	COVER	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	119802-01520	FLANGE, GEAR CASE	1							
13	1	119802-01560	STUD, M8X25	3							
14	1	124160-01751	COVER, FILLER	1							
15	1	124240-01871	COVER	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING, P16	4							
18	1	119802-32110	ROTOR, INNER	1							
19	1	119802-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING	1							
22	1	129001-91841	BOLT, M8X85	3							
23	1	24311-000320	O-RING, 1AP32.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	4							
25	1	26106-080162	BOLT, M8X 16 PLATED	3							
26	1	26106-080552	BOLT, M8X 55 PLATED	12							
27	1	26306-080002	NUT, M8	3							
28	1	121023-01550	COVER	1							
29	1	24341-000240	O-RING, 1AS24.0	1							
30	1	26106-060162	BOLT, M6X 16 PLATED	2							
31	1	977770-01212	GASKET, LIQUID	1							1

N:Old $\frac{Y00V}{100}$ New, Q:Old $\frac{R00}{100}$ New, R:Old $\frac{Y00V}{100}$ New, S:Old $\frac{R00}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CV10-M87500 ENGINE SECTION
Fig.4. CYLINDER HEAD & BONNET

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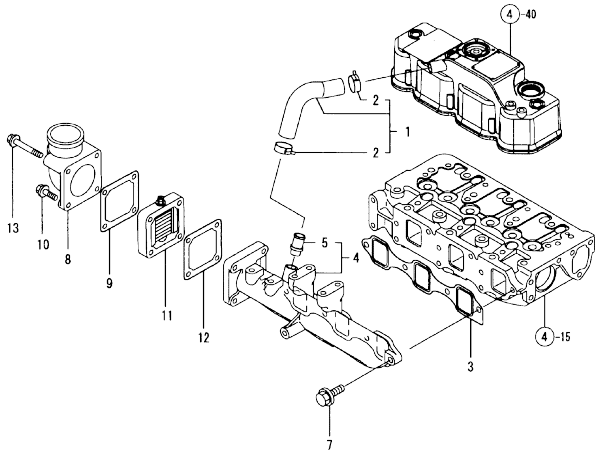


Remarks
(1) REPAIR PART.
(M) MISPRINT.

0CV10-M87500 Fig.4									
(A)=3TNV82A-KIR (D)= (E)= (F)=									
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129900-07900	LIFTER	2					
2	1	26106-080142	BOLT, M8X 14 PLATED	4					
3	1	119802-11241	SHAFT ASSY, ROCKER	1					
4	2	119802-11251	SHAFT, ROCKER ARM	1					
6	2	119802-11260	SUPPORT, ROCKER ARM	2					
7	2	119802-11270	SUPPORT, ROCKER ARM	2					
8	2	119802-11280	STUD	3					
9	2	129150-11280	SPRING	3					
10	2	119802-11650	ARM, ROCKER	6					
11	3	129150-11230	SCREW, VALVE ADJUST	6					
13	3	129150-11750	NUT, M8	6					
14	1	104211-11370	CAP, VALVE	6					
15	1	119802-11700	HEAD ASSY, CYLINDER	1					
19	2	124060-11800	GUIDE, VALVE	3					1
21	2	119802-11800	GUIDE, VALVE	3					M
21-1	2	119802-11810	GUIDE, VALVE	3					1
23	2	27241-400000	PLUG, 40	2					
24	2	119802-11100	VALVE, INTAKE	3					
25	2	119802-11110	VALVE, EXHAUST	3					
26	2	119810-11120	SPRING, VALVE	6					
27	2	104211-11180	RETAINER, SPRING	6					
28	2	124160-11340	SEAL, VALVE STEM	3					
29	2	124950-11340	SEAL, VALVE STEM	3					
30	2	27310-070001	COTTER, 7	6					
31	1	119802-11870	PROTECTOR, NOZZLE	3					
32	1	119625-11880	SEAT, NOZZLE	3					
33	1	119802-11900	RETAINER, NOZZLE	3					
34	1	120270-54410	WASHER, INJECTOR	3					
35	1	22351-060012	PIN, SPRING 6.0X12	2					
36	1	26106-080252	BOLT, M8X 25 PLATED	2					
37	1	26106-080452	BOLT, M8X 45 PLATED	3					
38	1	26106-080502	BOLT, M8X 50 PLATED	6					
39	1	124160-01751	COVER, FILLER	1					
40	1	119802-11350	BONNET ASSY, HEAD	1					
41	2	119802-03010	PLATE	1					
42	2	129150-03070	BAFFLE, BREATHER	1					
43	2	119802-03110	PLATE	1					
44	2	119802-03120	COVER, DIAPHRAGM	1					
45	2	119802-03130	DIAPHRAGM	1					
46	2	119802-03140	SPRING, DIAPHRAGM	1					
49	2	119802-11310	GASKET, BONNET	1					
50	2	22857-500100	SCREW, 5X10	4					
51	2	22857-500100	SCREW, 5X10	4					
52	1	124160-11360	KNOB	3					
53	1	24311-000120	O-RING, 1AP12.0	3					
54	1	24311-000320	O-RING, 1AP32.0	1					

0CV10-M87500 ENGINE SECTION
Fig.5. SUCTION MANIFOLD

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0CV10-M87500 Fig.5

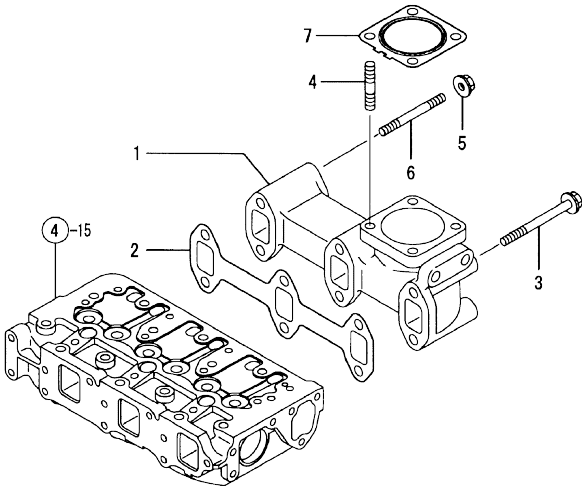
(A)=3TNV82A-KIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-03090	PIPE , BREATHER	1							
2	2	129410-03990	CLAMP 22	2							
3	1	119810-12112	GASKET, MANIFOLD	1							
4	1	119802-12130	MANIFOLD, AIR INTAKE	1							
5	2	129001-11340	PIPE , BREATHER	1							
7	1	26106-080252	BOLT, M8X 25 PLATED	4							
8	1	171340-77520	BEND	1							
9	1	129150-77511	GASKET	1							
10	1	26106-080402	BOLT, M8X 40 PLATED	2							
11	1	129100-77500	HEATER, AIR 12V	1							
12	1	129100-77510	GASKET, AIR HEATER	1							
13	1	26106-080802	BOLT, M8X 80 PLATED	2							

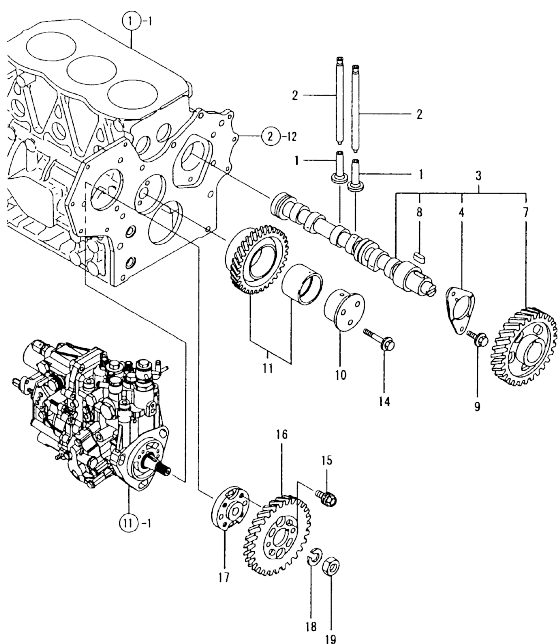
0CV10-M87500 ENGINE SECTION
Fig.6. EXHAUST MANIFOLD

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							0CV10-M87500		Fig.6			
							(A)=3TNV82A-KiR		(D)=			
							(B)=		(E)=			
							(C)=		(F)=			
							Q'ty					
							I R					
No.	Lev.	Parts No.	Description				(A)	(B)	(C)	(D)	(E)	(F)
1	1	119888-13101	MANIFOLD, EXHAUST				1					
2	1	119810-13110	GASKET				1					
3	1	119802-13640	BOLT, M8X60 10.9T				4					
4	1	119131-18320	STUD, M8X22				4					
5	1	26306-080002	NUT, M8				2					
6	1	119802-13740	STUD, M8X60				2					
7	1	129004-13200	GASKET, SILENCER				1					

發行No. 000Y00V8750-1
更新年月: 2005. 02
REVISED: Feb. 2005



(A)=3TNV82A-KIR
(B)=
(C)=

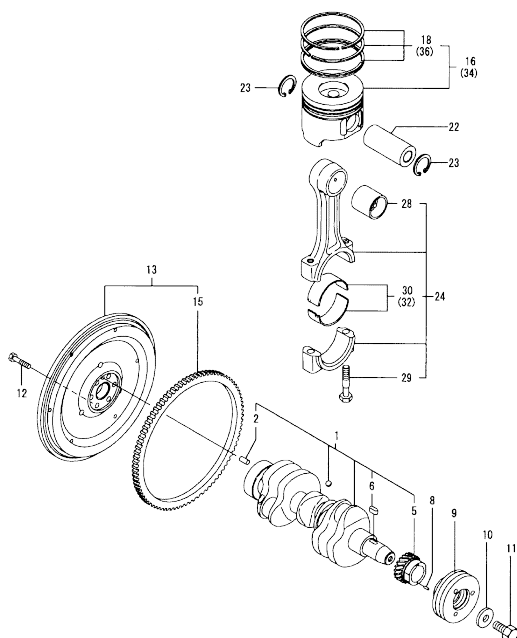
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129150-14200	TAPPET	6							
2	1	119810-14400	ROD, PUSH	6							
3	1	119802-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY, 7X 14	1							
9	1	26106-080142	BOLT, M8X 14 PLATED	2							
10	1	119802-25051	SHAFT, IDLE	1							
11	1	119802-25100	GEAR ASSY, IDLE	1							
14	1	26106-080402	BOLT, M8X 40 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119802-25901	GEAR, PUMP	1							
17	1	158552-51151	FLANGE	1							
18	1	22217-140000	WASHER, SPRING 14	1							
19	1	26776-140002	NUT, LOCK M14	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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Y00V8750



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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119802-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119802-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-030010	PIN, SPRING 3.0X10	1							
9	1	119802-21650	V-PULLEY, 110	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	119802-21570	FLYWHEEL ASSY	1							
15	2	124550-21600	GEAR, RING	1							
16	1	119802-22080	PISTON ASSY	3							
18	2	119802-22500	RING SET, PISTON	3							
22	1	119813-22300	PIN, PISTON	3							
23	1	129792-22400	CIRCLIP, 23	6							
24	1	719810-23100	ROD ASSY, CONNECTING	3							
28	2	119810-23910	BEARING, PISTON PIN	3							1
29	2	119810-23200	BOLT, CONNECTING ROD	6							
30	2	119810-23600	BEARING, CRANK PIN	3							
32	1	119810-23610	BEARING, 0.25 US	3							2
34	1	719802-22900	PISTON ASSY, 0.25 OS	3							3
36	2	719802-22950	RING SET, 0.25 OS	3							3

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

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

This exploded view diagram illustrates the assembly of a 12-cylinder engine. The components are identified by the following callouts:

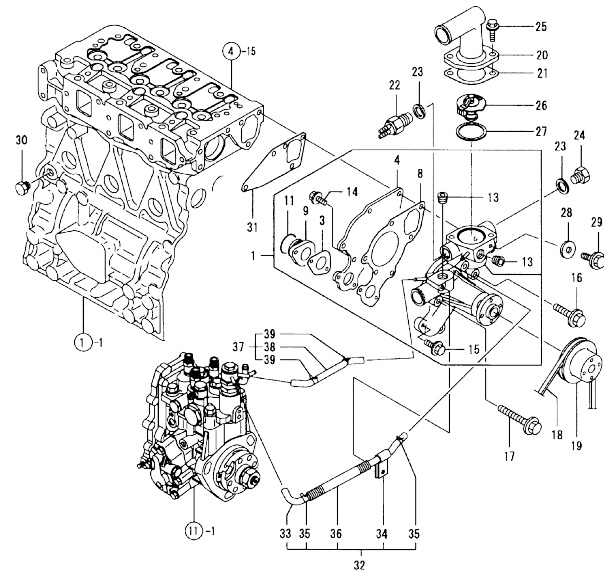
- 1**: A long, thin rod or pin.
- 2**: A small cylindrical component, likely a bush or spacer.
- 3**: A small circular plate or washer.
- 4**: A larger circular component, possibly a pulley or flywheel.
- 8**: A bolt or screw.
- 9**: A small cylindrical component, possibly a pin or bush.
- 10**: A small cylindrical component, possibly a pin or bush.
- 11**: A small cylindrical component, possibly a pin or bush.
- 12**: A small cylindrical component, possibly a pin or bush.
- 13**: A small cylindrical component, possibly a pin or bush.
- 14**: A small cylindrical component, possibly a pin or bush.
- 15**: A small cylindrical component, possibly a pin or bush.
- 16**: A small cylindrical component, possibly a pin or bush.
- 17**: A small cylindrical component, possibly a pin or bush.
- 18**: A small cylindrical component, possibly a pin or bush.
- 19**: A small cylindrical component, possibly a pin or bush.
- 20**: A small cylindrical component, possibly a pin or bush.
- 21**: A small cylindrical component, possibly a pin or bush.
- 22**: A small cylindrical component, possibly a pin or bush.
- 23**: A small cylindrical component, possibly a pin or bush.
- 25**: A small cylindrical component, possibly a pin or bush.

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119802-34801	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35041	GASKET	1							
4	1	119810-35300	PIPE ASSY, OIL INLET	1							
8	1	26106-080352	BOLT, M8X 35 PLATED	2							
9	1	114250-39450	SWITCH, 0.5KG	1							
10	1	124160-39140	BOLT, PIPE JOINT M10	1							
11	1	119802-39450	PIPE ASSY, OIL	1							
12	1	129005-59830	BOLT ASSY, JOINT M8	1							
13	2	23857-030000	BOLT, JOINT 3	1							
14	2	22190-080002	WASHER, SEAL 6	1							
15	1	22190-080002	WASHER, SEAL 6	1							
16	1	22190-100002	WASHER, SEAL 10	2							
17	1	26366-060002	NUT, M6	1							
18	1	119802-35100	BRACKET ASSY, FILTER	1							
19	2	119802-35110	BRACKET, FILTER	1							
20	2	129100-35140	STUD	1							
21	1	129150-35111	GASKET	1							
22	1	119802-35150	FILTER ASSY, D80X80L	1							
23	2	119802-07020	LABEL (LO FILTER	1							
25	1	26106-080202	BOLT, M8X 20 PLATED	3							

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

0CV10-M87500 ENGINE SECTION
Fig.10. COOLING WATER SYSTEM

Y00V8750

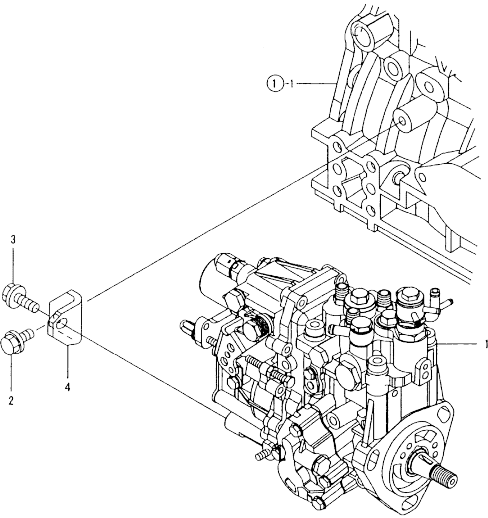


0CV10-M87500 Fig.10									
(A)=3TNV82A-KiR (D)= (E)= (F)=									
Q'ty									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	119802-42000	PUMP ASSY, WATER	1					
3	2	119810-42051	GASKET, WATER PUMP	1					
4	2	119810-42120	PLATE	1					
8	2	119810-42281	GASKET, WATER PUMP	1					
9	2	119810-42290	PIPE	1					
11	2	129150-42320	O-RING	1					
13	2	23876-030000	PLUG, R03	2					
14	2	26106-060142	BOLT, M6X 14 PLATED	2					
15	2	26106-060202	BOLT, M6X 20 PLATED	2					
16	1	26106-080352	BOLT, M8X 35 PLATED	1					
17	1	26106-080552	BOLT, M8X 55 PLATED	3					
18	1	25132-003800	V-BELT, A38	1					
19	1	129556-42350	V-PULLEY, 96	1					
20	1	124101-49560	COVER, THERMOSTAT	1					
21	1	129795-49551	GASKET	1					
22	1	119843-44900	SWITCH, 110	1					
23	1	124465-44950	GASKET, 16	2					
24	1	121450-42450	PLUG, M16	1					
25	1	26106-080202	BOLT, M8X 20 PLATED	2					
26	1	129155-49800	THERMOSTAT, 71	1					
27	1	129150-49811	GASKET, THERMOSTAT	1					
28	1	23414-080000	GASKET, 8X1.0	1					
29	1	26106-080122	BOLT, M8X 12 PLATED	1					
30	1	171056-49120	PLUG, DRAIN	1					
31	1	129486-42050	GASKET, WATER PUMP	1					
32	1	119802-49610	PIPE ASSY, WATER	1					
33	2	119802-49711	PIPE ASSY, WATER	1					
34	2	119802-49730	RETAINER, PIPE	1					
35	2	124722-59050	CLIP, HOSE 9	2					
36	2	119802-59320	TUBE, CORRUGATED	1					
37	1	119802-49620	PIPE ASSY, WATER	1					
38	2	119802-49721	PIPE ASSY, WATER	1					
39	2	124722-59050	CLIP, HOSE 9	2					

0CV10-M87500 ENGINE SECTION
Fig.11. FUEL INJECTION PUMP

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REVISED Feb. 2005



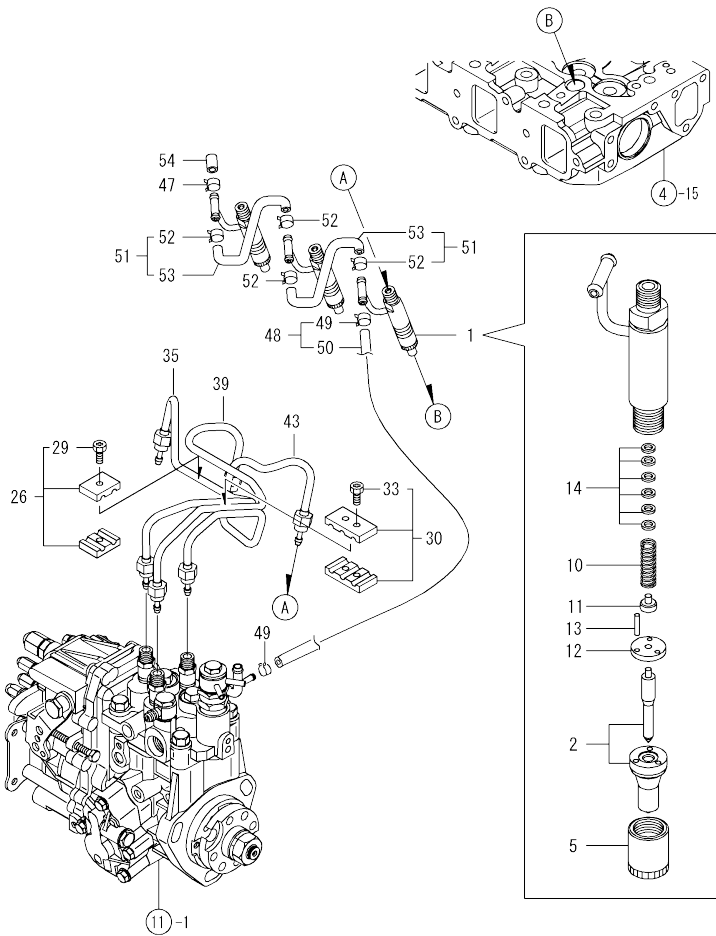
Remarks
(1) REFER TO FI.17 & 18 FOR INNER PARTS.

Remarks
(1) REFER TO FI.17 & 18 FOR INNER PARTS.

0CV10-M87500 Fig.11

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719940-51300	PUMP ASSY, INJECTION	1							1
2	1	26106-080162	BOLT, M8X 16 PLATED	1							
3	1	26106-080202	BOLT, M8X 20 PLATED	3							
4	1	119802-51250	RETAINER, PUMP	1							

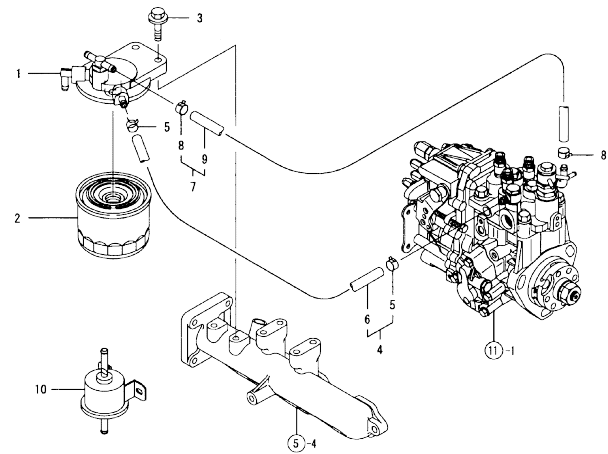
0CV10-M87500 ENGINE SECTION
Fig.12. FUEL INJECTION VALVE



										0CV10-M87500 Fig.12	
										(A)=3TNV82A-KIR	
										(D)=	
										(E)=	
										(F)=	
										Q'ty	
										I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-53101	VALVE ASSY,INJECTION	3							
2	2	119802-53001	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM SET	3							
26	1	119305-59120	RETAINER, PIPE	1							
29	2	129150-59131	BOLT, M4X14	1							
30	1	129150-59120	RETAINER, PIPE	1							
33	2	129150-59131	BOLT, M4X14	2							
35	1	119802-59960	PIPE ASSY, INJECTION	1							
39	1	119802-59970	PIPE ASSY, INJECTION	1							
43	1	119802-59980	PIPE ASSY, INJECTION	1							
47	1	124066-59100	CLIP, HOSE 8	2							
48	1	119802-59550	PIPE ASSY, RETURN	1							
49	2	124722-59050	CLIP, HOSE 9	2							
50	2	119802-59560	PIPE, FUEL RETURN	1							
51	1	129486-59551	PIPE ASSY, RETURN	2							
52	2	124722-59050	CLIP, HOSE 9	4							
53	2	129486-59510	PIPE, FUEL RETURN	2							
54	1	119593-59580	CAP	1							

Fig.13. FUEL LINE

Y00V8750



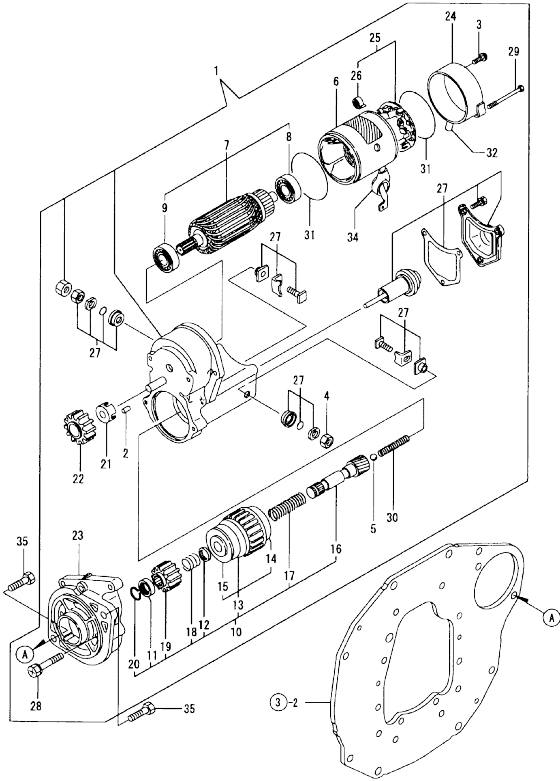
(A)=3TNV82A-KIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55610	BRACKET, FILTER	1							
2	1	119802-55830	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129210-59100	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	105025-59580	PIPE, FUEL	1							
7	1	129210-59230	PIPE ASSY, FUEL	1							
8	2	124766-59050	CLIP, HOSE 12	2							
9	2	129555-59511	PIPE, FUEL	1							
10	1	119225-52102	PUMP ASSY, FUEL FEED	1							

0CV10-M87500 ENGINE SECTION
Fig.14. STARTING MOTOR

Y00V8750



0CV10-M87500 Fig.14

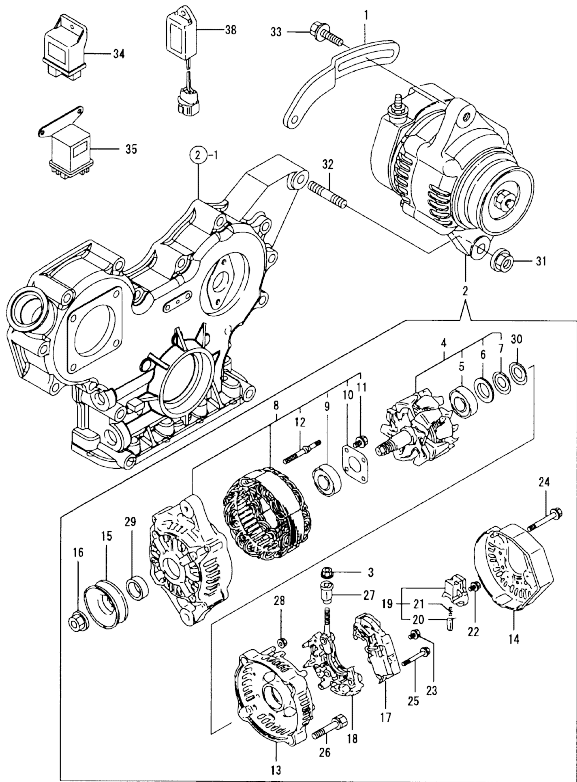
(A)=3TNV82A-KIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-77010	STARTER, RA1.4	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129407-77210	YOKE ASSY	1							
7	2	129407-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129407-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	129407-77390	CLUTCH ASSY	1							
14	4	129129-77440	BEARING	1							
15	4	129129-77450	BEARING	1							
16	3	129129-77400	SHAFT	1							
17	3	129129-77410	SPRING, COIL	1							
18	3	129407-77410	SPRING	1							
19	3	129129-77420	PINION	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129407-77280	HOUSING	1							
24	2	129129-77290	FRAME	1							
25	2	129407-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129407-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129407-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
34	2	129129-77380	CAP	1							
35	1	26116-120252	BOLT, M12X 25 PLATED	2							

OCV10-M87500 ENGINE SECTION
Fig.15. GENERATOR

Y00V8750



OCV10-M87500 Fig.15

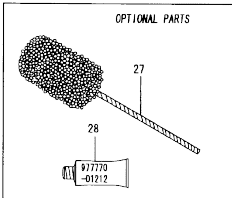
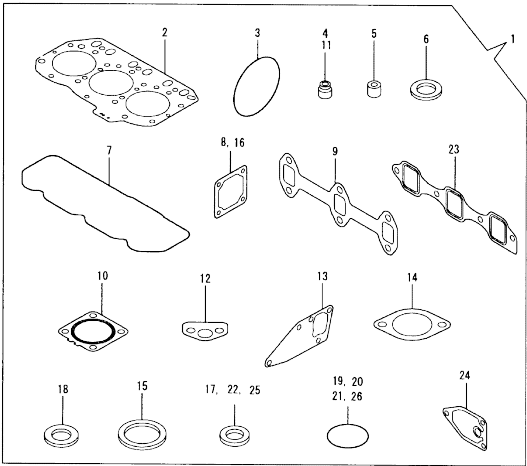
(A)=3TNV82A-KIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-77320	ADJUSTER	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	119620-79240	BALL BEARING	1							
6	3	119620-79250	COVER, BEARING	1							
7	3	119620-79360	WASHER, THRUST	1							
8	2	119620-77421	FRAME ASSY, DRIVE	1							
9	3	119620-79200	BALL BEARING	1							
10	3	119620-79210	PLATE	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	BOLT, STUD	2							
13	2	119620-77440	FLAME ASSY, REAR	1							
14	2	129240-79300	COVER	1							
15	2	119620-77461	PULLEY	1							
16	2	119620-77471	NUT	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	119620-79260	HOLDER	1							
19	2	119620-79270	HOLDER, BRUSH	1							
20	3	119620-77480	BRUSH ASSY	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	1							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW W/WASHER	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	INSULATION BUSH	1							
28	2	119620-79350	NUT	2							
29	2	119620-77490	COLLAR	1							
30	2	119620-79360	WASHER, THRUST	1							
31	1	26306-100002	NUT, M10	1							
32	1	129795-01900	STUD	1							
33	1	119810-77340	BOLT, ADJUSTER	1							
34	1	119802-77200	RELAY, SAFETY	1							
35	1	119650-77910	RELAY ASSY, GLOW	1							
38	1	119632-77920	TIMER	1							

0CV10-M87500 ENGINE SECTION
Fig.16. GASKET SET

Y00V8750



Remarks
(1) OPTIONAL PART.

Remarks
(1) OPTIONAL PART.

0CV10-M87500 Fig.16

(A)=3TNV82A-KIR
(B)=
(C)=

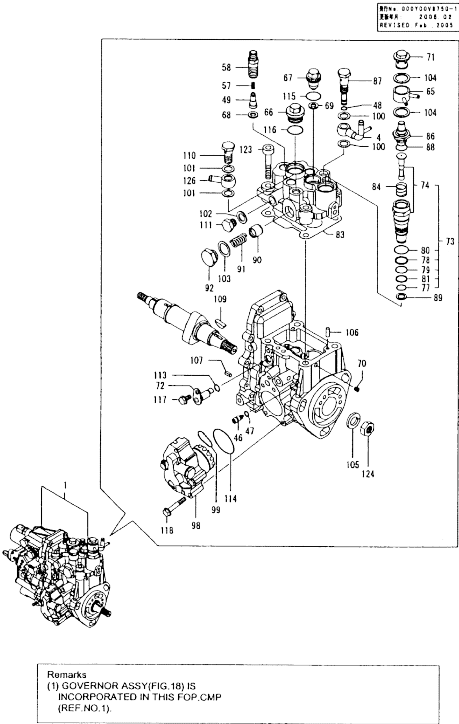
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-92600	GASKET SET	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	124950-11340	SEAL, VALVE STEM	3							
5	2	119802-11870	PROTECTOR, NOZZLE	3							
6	2	119625-11880	SEAT, NOZZLE	3							
7	2	119802-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET	1							
9	2	119810-13110	GASKET	1							
10	2	129004-13200	GASKET, SILENCER	1							
11	2	124160-11340	SEAL, VALVE STEM	3							
12	2	129150-35041	GASKET	1							
13	2	129486-42050	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	1							
15	2	129150-49811	GASKET, THERMOSTAT	1							
16	2	129100-77510	GASKET, AIR HEATER	1							
17	2	22190-080002	WASHER, SEAL 6	2							
18	2	124465-44950	GASKET, 16	2							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	2							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	119810-12112	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	4							
27	1	129400-92420	FLEX HORN	1							1
28	1	977770-01212	GASKET, LIQUID	1							1

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.17. FUEL INJECTION PUMP(INNER PART

Y00V8750



Remarks
(1) GOVERNOR ASSY(FIG.18) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719940-51300	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
46	2	158600-51270	STOPPER, TAPPET	1							
47	2	158563-51281	O-RING, 4D S6	1							
48	2	158563-51281	O-RING, 4D S6	1							
49	2	158560-51300	VALVE ASSY, DELIVERY	3							
57	2	158563-51330	SPRING, DELIVERY	3							
58	2	158601-51340	HOLDER, DELIVERY	3							
65	2	158553-51551	JOINT	1							
66	2	158601-51550	PLUG	1							
67	2	119802-51560	PLUG, BARREL	1							
68	2	158552-51570	GASKET	3							
69	2	158552-51570	GASKET	1							
70	2	158557-51570	PLUG	1							
71	2	158601-51570	PLUG	1							
72	2	158552-51580	LIFTER	1							
73	2	119802-51590	TIMER SET	1							
74	3	119802-51600	TIMER ASSY	1							
77	3	158553-51670	O-RING, 1011	1							
78	3	119802-51680	RING, BACK UP	1							
79	3	119802-51690	O-RING	1							
80	3	24356-010200	O-RING, 4D1020	1							
81	3	24372-000150	RING, BACK UP T2P15	1							
83	2	158552-51600	GASKET	1							
84	2	158553-51630	SPRING, TIMER	1							
86	2	158553-51640	ELEMENT	1							
87	2	158601-51650	JOINT, OVER FLOW	1							
88	2	158553-51660	O-RING, P14	1							
89	2	158553-51680	GASKET	1							
90	2	158601-51770	PISTON	1							
91	2	158552-51780	SPRING	1							
92	2	158601-51790	PLUG	1							
98	2	158552-52100	PUMP ASSY, FUEL FEED	1							
99	2	158552-52310	O-RING	1							
100	2	22190-120002	WASHER, SEAL 12	2							
101	2	22190-120002	WASHER, SEAL 12	2							
102	2	22190-120002	WASHER, SEAL 12	1							
103	2	22190-180002	WASHER, SEAL 18	1							
104	2	22190-180002	WASHER, SEAL 18	2							
105	2	22217-140000	WASHER, SPRING 14	1							
106	2	22312-050140	PIN, PARALLEL M5X14	2							
107	2	22351-050010	PIN, SPRING 5.0X10	2							
109	2	119802-51090	KEY, 4X16	1							
110	2	23857-060000	BOLT, JOINT 6	1							
111	2	23887-120002	PLUG, 12	1							
113	2	24311-000070	O-RING, 1AP7.0	1							
114	2	158552-52400	O-RING, 4E S42	1							
115	2	24356-010180	O-RING, 4D1018	1							
116	2	24356-010200	O-RING, 4D1020	1							
117	2	26106-060102	BOLT, M6X 10 PLATED	1							
118	2	158553-51770	BOLT	4							

N:Old, New, O:Old, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.17. FUEL INJECTION PUMP(INNER PART

Exploded view diagram of a 2006 ZF HP5350-PA 5008 gearbox assembly. The diagram shows the main gearbox housing (106) with various internal and external components labeled with numbers. A detailed view of the input shaft assembly (1) is shown at the bottom left. The components are listed in a table on the right side of the diagram.

Part Number	Description
1	Input shaft assembly
11	Input shaft
12	Input shaft seal
13	Input shaft nut
14	Input shaft washer
15	Input shaft pin
16	Input shaft pin
17	Input shaft pin
18	Input shaft pin
19	Input shaft pin
20	Input shaft pin
21	Input shaft pin
22	Input shaft pin
23	Input shaft pin
24	Input shaft pin
25	Input shaft pin
26	Input shaft pin
27	Input shaft pin
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162	Input shaft pin
163	Input shaft pin
164	Input shaft pin
165	Input shaft pin
166	Input shaft pin
167	Input shaft pin
168	Input shaft pin

Remarks
(1) GOVERNOR ASSY(FIG.18) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

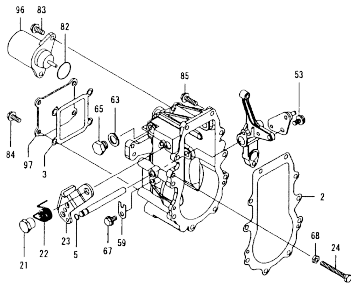
[illegible]

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

0CV10-M87500 ENGINE SECTION
Fig.18. GOVERNOR (INNER PARTS)

Y00V8750

0CV10-M87500-1
PARTS LIST
REVISED P.A. 2005



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.17).

Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.17).

					0CV10-M87500 Fig.18						
					(A)=3TNV82A-KIR		(D)=				
					(B)=		(E)=				
					(C)=		(F)=				
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-61050	GASKET	1							
3	2	158553-61070	GASKET	1							
5	2	129155-51280	O-RING, S6	1							
21	2	129255-61410	NUT, LOCK	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	158552-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE	1							
53	2	26106-060102	BOLT, M6X 10 PLATED	1							
59	2	119660-61901	RETAINER, SHAFT	1							
63	2	22190-120000	WASHER, SEAL 12	1							
65	2	23887-120002	PLUG, 12	1							
67	2	26106-060102	BOLT, M6X 10 PLATED	1							
68	2	26756-060002	NUT, LOCK M6	1							
82	2	24341-000280	O-RING, 1AS28.0	1							
82-1	2	158552-61900	O-RING	1							N
(A=EXXXXX)											
83	2	26106-060142	BOLT, M6X 14 PLATED	2							
84	2	26106-060142	BOLT, M6X 14 PLATED	4							
85	2	26106-060202	BOLT, M6X 20 PLATED	10							
96	2	119802-77960	SOLENOID	1							
97	2	129642-61060	COVER, GOVERNOR CASE	1							

Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	27
104211-11370	4	14
105025-59580	13	6
114250-39450	9	9
114250-53080	12	5
114250-53120	12	10
114250-53130	12	11
114250-53140	12	12
114250-53210	12	13
114250-53400	12	14
119131-18320	6	4
119225-52102	13	10
119305-59120	12	26
119593-59580	12	54
119609-32040	2	17
	16	26
119620-02020	1	12
119620-77380	15	4
119620-77421	15	8
119620-77440	15	13
119620-77461	15	15
119620-77471	15	16
119620-77480	15	20
119620-77490	15	29
119620-79200	15	9
119620-79210	15	10
119620-79220	15	11
119620-79230	15	12
119620-79240	15	5
119620-79250	15	6
119620-79260	15	18
119620-79270	15	19
119620-79280	15	21
119620-79290	15	22
119620-79300	15	23
119620-79310	15	24
119620-79320	15	25
119620-79330	15	26
119620-79340	15	27
119620-79350	15	28
119620-79360	15	7
	30	
119625-11880	4	32
	16	6
119632-77920	15	38
119640-01640	3	9
119650-77910	15	35
119660-61901	18	59
119802-01190	1	29
119802-01520	2	12

Parts No.	Fig. No.	Ref. No.
119802-01560	2	13
119802-03010	4	41
119802-03090	5	1
119802-03110	4	43
119802-03120	4	44
119802-03130	4	45
119802-03140	4	46
119802-07020	9	23
119802-11100	4	24
119802-11110	4	25
119802-11241	4	3
119802-11251	4	4
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11310	4	49
	16	7
119802-11350	4	40
119802-11650	4	10
119802-11700	4	15
119802-11800	4	21
119802-11810	4	21 -1
119802-11870	4	31
	16	5
119802-11900	4	33
119802-12130	5	4
119802-13640	6	3
119802-13740	6	6
119802-14580	7	3
119802-21000	8	1
119802-21200	8	5
119802-21570	8	13
119802-21650	8	9
119802-22080	8	16
119802-22500	8	18
119802-25051	7	10
119802-25100	7	11
119802-25901	7	16
119802-32070	2	8
119802-32100	2	7
119802-32110	2	18
119802-32120	2	19
119802-32130	2	20
119802-34801	9	1
119802-35100	9	18
119802-35110	9	19
119802-35150	9	22
119802-39450	9	11
119802-42000	10	1
119802-49610	10	32

Parts No.	Fig. No.	Ref. No.
119802-49620	10	37
119802-49711	10	33
119802-49721	10	38
119802-49730	10	34
119802-51090	17	109
119802-51250	11	4
119802-51560	17	67
119802-51590	17	73
119802-51600	17	74
119802-51680	17	78
119802-51690	17	79
119802-53001	12	2
119802-55830	13	2
119802-59320	10	36
119802-59550	12	48
119802-59560	12	50
119802-59960	12	35
119802-59970	12	39
119802-59980	12	43
119802-77200	15	34
119802-77320	15	1
119802-77960	18	96
119807-61420	18	22
119810-01200	1	21
119810-01730	3	6
119810-02870	1	23
119810-02930	1	18
119810-02940	1	26
119810-11120	4	26
119810-12112	5	3
	16	23
119810-13110	6	2
	16	9
119810-14400	7	2
119810-23200	8	29
119810-23600	8	30
119810-23610	8	32
119810-23910	8	28
119810-35300	9	4
119810-42051	10	3
119810-42120	10	4
119810-42281	10	8
119810-42290	10	9
119810-77340	15	33
119812-01330	1	22
	16	2
119813-22300	8	22
119823-01770	3	8
119843-44900	10	22
119888-13101	6	1

Parts No.	Fig. No.	Ref. No.
119934-01800	2	6 -1
120270-54410	4	34
121023-01550	2	28
121111-21501	8	12
121450-42450	10	24
121520-34810	9	2
121850-21680	8	11
121850-51960	2	21
	16	3
124060-01050	1	6
124060-11800	4	19
124066-59100	12	47
124101-49560	10	20
124160-01751	2	14
	4	39
124160-01910	1	4
		14
124160-11340	4	28
	16	11
124160-11360	4	52
124160-39140	9	10
124240-01871	2	15
124465-44950	10	23
	16	18
124550-21600	8	15
124722-59050	10	35
		39
	12	49
		52
124766-59050	13	5
		8
124950-11340	4	29
	16	4
129001-01250	1	7
129001-11340	5	5
129001-32330	2	11
129001-91841	2	22
129004-13200	6	7
	16	10
129004-55610	13	1
129005-59830	9	12
129100-01580	3	1
		14
	8	2
129100-01640	3	15
129100-35140	9	20
129100-77500	5	11
129100-77510	5	12
	16	16
129129-77230	14	8

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129129-77240	14	9
129129-77260	14	21
129129-77270	14	22
129129-77290	14	24
129129-77320	14	28
129129-77340	14	30
129129-77350	14	31
129129-77362	14	32
129129-77380	14	34
129129-77400	14	16
129129-77410	14	17
129129-77420	14	19
129129-77430	14	20
129129-77440	14	14
129129-77450	14	15
129129-77460	14	3
129150-01600	3	2
129150-02450	7	4
129150-03070	4	42
129150-11230	4	11
129150-11280	4	9
129150-11750	4	13
129150-14101	7	7
129150-14200	7	1
129150-25301	7	15
129150-35041	9	3
	16	12
129150-35111	9	21
	16	24
129150-42320	10	11
129150-49811	10	27
	16	15
129150-59120	12	30
129150-59131	12	29
	33	
129150-77511	5	9
	16	8
129155-49800	10	26
129155-51280	18	5
129155-61460	18	24
129210-59100	13	4
129210-59230	13	7
129240-79300	15	14
129255-61410	18	21
129400-92420	16	27
129407-77010	14	1
129407-77210	14	6
129407-77220	14	7
129407-77250	14	10
129407-77280	14	23

Parts No.	Fig. No.	Ref. No.
129407-77300	14	25
129407-77310	14	27
129407-77330	14	29
129407-77390	14	13
129407-77410	14	18
129410-03990	5	2
129418-32320	2	10
129423-77200	15	2
129423-77710	15	17
129486-01670	3	18
129486-42050	10	31
	16	13
129486-59510	12	53
129486-59551	12	51
129555-59511	13	9
129556-42350	10	19
129642-61060	18	97
129792-22400	8	23
129795-01780	3	17
129795-01800	2	6
129795-01900	15	32
129795-01950	2	16
129795-02411	1	13
129795-21661	8	10
129795-49551	10	21
	16	14
129900-07900	4	1
129900-32130	2	9
129916-59020	17	126
158552-51151	7	17
158552-51570	17	68
	69	
158552-51580	17	72
158552-51600	17	83
158552-51670	17	4
158552-51780	17	91
158552-52100	17	98
158552-52310	17	99
158552-52400	17	114
158552-61441	18	23
158552-61900	18	82 -1
158553-51551	17	65
158553-51630	17	84
158553-51640	17	86
158553-51660	17	88
158553-51670	17	77
158553-51680	17	89
158553-51770	17	118
158553-61050	18	2
158553-61070	18	3

Parts No.	Fig. No.	Ref. No.
158557-51570	17	70
158560-51300	17	49
158563-51281	17	47
	48	
158563-51330	17	57
158600-51270	17	46
158601-51340	17	58
158601-51550	17	66
158601-51570	17	71
158601-51650	17	87
158601-51770	17	90
158601-51790	17	92
171051-01921	1	5
171056-49120	10	30
171340-77520	5	8
22190-080002	9	14
	16	15
	16	17
22190-100002	9	16
	16	22
22190-120000	18	63
22190-120002	17	100
	101	
	102	
22190-180002	17	103
	104	
22190-220002	3	11
	16	25
22217-140000	7	18
	17	105
22312-050140	17	106
22351-030010	8	8
22351-050010	17	107
22351-060012	4	35
22512-070140	7	8
	8	6
22857-500100	4	50
	51	
23414-080000	10	28
23857-030000	9	13
23857-060000	17	110
23876-030000	2	4
	10	13
23876-040000	2	5
23887-120002	17	111
	18	65
24311-000070	17	113
24311-000120	4	53
	16	19
24311-000320	2	23

Parts No.	Fig. No.	Ref. No.
24311-000320	4	54
	16	20
24341-000240	2	29
	16	21
24341-000280	18	82
24356-010180	17	115
24356-010200	17	80
	116	
24372-000150	17	81
25132-003800	10	18
26106-060102	17	117
	18	53
	67	
26106-060142	10	14
	18	83
	84	
26106-060162	2	30
26106-060202	10	15
	18	85
26106-080122	10	29
26106-080142	4	2
	7	9
26106-080162	2	24
	25	
	3	12
	11	2
26106-080202	9	25
	10	25
	11	3
26106-080252	4	36
	5	7
26106-080302	13	3
26106-080352	3	7
	9	8
	10	16
26106-080402	5	10
	7	14
26106-080452	3	13
	4	37
26106-080502	4	38
26106-080552	2	26
	10	17
26106-080802	5	13
26116-120252	14	35
26206-100202	3	4
26206-100252	3	5
26306-080002	2	27
	6	5
26306-100002	15	31
26366-060002	9	17

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26450-080452	17	123
26756-060002	18	68
26776-140002	7	19
	17	124
27241-120000	1	8
27241-300000	1	9
27241-400000	4	23
27310-070001	4	30
719802-01500	2	1
719802-01560	1	1
719802-22900	8	34
719802-22950	8	36
719802-53101	12	1
719802-92600	16	1
719810-02810	1	15
719810-23100	8	24
719940-51300	11	1
	17	1
729233-01500	2	1 -1
977770-01212	2	31
	3	3
	16	28
X0280210230	14	11
X0283060061	14	2
X0283270140	14	12
X9490561001	15	3
X9490561370	14	4
X9491200240	14	5
X9491730461	14	26

Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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