

0CD10-M54900EN

PREFACE

1. This Parts Catalog is the 1st edition of 3TNE68-SJ Diesel Engine for SAKAI HEAVY.

Pub. No. : 000Y00D5490

Published : August,1996

2. Model name

Engine model	Vehicle		Vehicle made by
	Products	Model name	
3TNE68-SJ	VIBRATION ROLLER	—	SAKAI HEAVY

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.

Contents

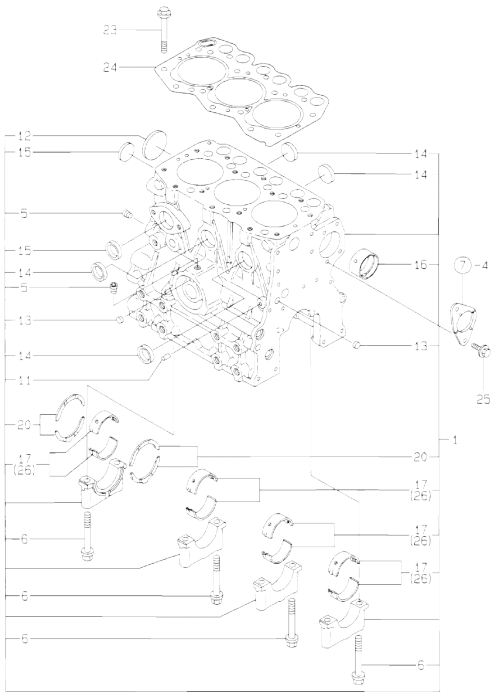
0CD10-M54900

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNE68-SJ			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
6.	EXHAUST MANIFOLD & SILENCER		
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.	GASKET SET		

OCD10-M54900 3TNE68-SJ

Fig.1. CYLINDER BLOCK

Y0005490
3TNE68-SJ



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

OCD10-M54900 Fig.1

(A)=3TNE68-SJ
(B)=
(C)=

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

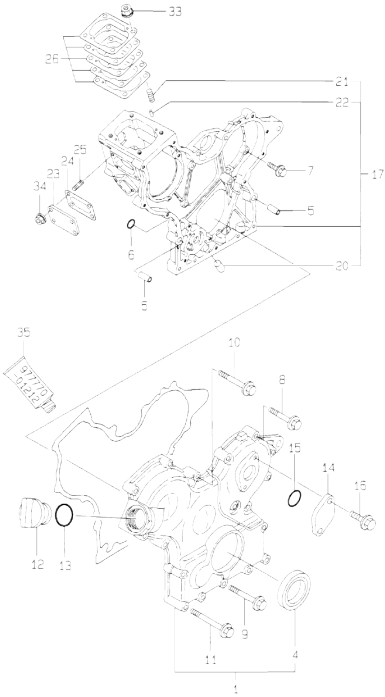
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	2							
6	2	119260-02020	BOLT, METAL CAP	8							
11	2	27221-060100	PLUG, 6X10	1							
12	2	27231-400000	PLUG 40	1							
13	2	27241-100000	PLUG, 10	2							
14	2	27241-250000	PLUG, 25	4							
15	2	27241-300000	PLUG 30	2							
16	2	119260-02410	BUSH, CAMSHAFT	1							
17	2	719260-02800	BEARING, MAIN	4							
20	2	719260-02930	BEARING, THRUST	2							
23	1	119260-01200	BOLT, HEAD	14							
24	1	119265-01341	GASKET, HEAD	1							
25	1	26106-060122	BOLT, M6X 12 PLATED	2							
26	1	719260-02870	BEARING, 0.25 US	4							1

N:Old $\frac{Y0005490}{100}$ New, Q:Old $\frac{R10}{100}$ New, R:Old $\frac{Y0005490}{100}$ New, S:Old $\frac{R10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M54900 3TNE68-SJ

Fig.2. GEAR HOUSING

Y0005490
3TNE68-SJ



Remarks
(1) OPTIONAL PART.

OCD10-M54900 Fig.2

(A)=3TNE68-SJ
(B)=
(C)=

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

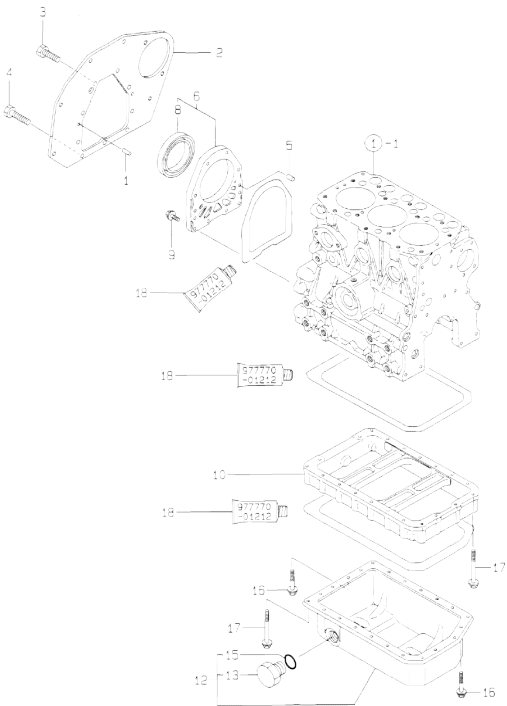
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-01590	COVER ASSY,GEAR CASE	1							
4	2	119620-01800	SEAL, OIL	1							
5	1	119660-01911	PIPE, KNOCK	4							
6	1	24311-000120	O-RING, 1AP12.0	2							
7	1	26106-060162	BOLT, M6X 16 PLATED	5							
8	1	26106-060302	BOLT, M6X 30 PLATED	5							
9	1	26106-060402	BOLT, M6X 40 PLATED	3							
10	1	26106-060502	BOLT, M6X 50 PLATED	4							
11	1	26106-060652	BOLT, M6X 65 PLATED	6							
12	1	124160-01751	COVER, FILLER	1							
13	1	24311-000320	O-RING, 1AP32.0	1							
14	1	121023-01550	COVER	1							
15	1	24341-000240	O-RING, 1AS24.0	1							
16	1	26106-060182	BOLT, M6X 18 PLATED	2							
17	1	119260-01490	CASE ASSY, GEAR	1							
20	2	119260-01510	PLUG	1							
21	2	121450-01560	STUD, M8X22	4							
22	2	22351-040010	PIN, SPRING 4.0X10	2							
23	1	119660-01551	COVER	1							
24	1	119660-01562	GASKET	1							
25	1	119660-01570	STUD, M6X12	4							
26	1	119623-01950	SHIM SET, ADJUSTING	1							
33	1	194990-22050	NUT, M8	4							
34	1	26366-060002	NUT, M6	4							
35	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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OCD10-M54900 3TNE68-SJ

Fig.3. MOUNTING FLANGE & OIL SUMP

Y0005490
3TNE68-SJ



Remarks
(1) OPTIONAL PART.

OCD10-M54900 Fig.3

(A)=3TNE68-SJ
(B)=
(C)=

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

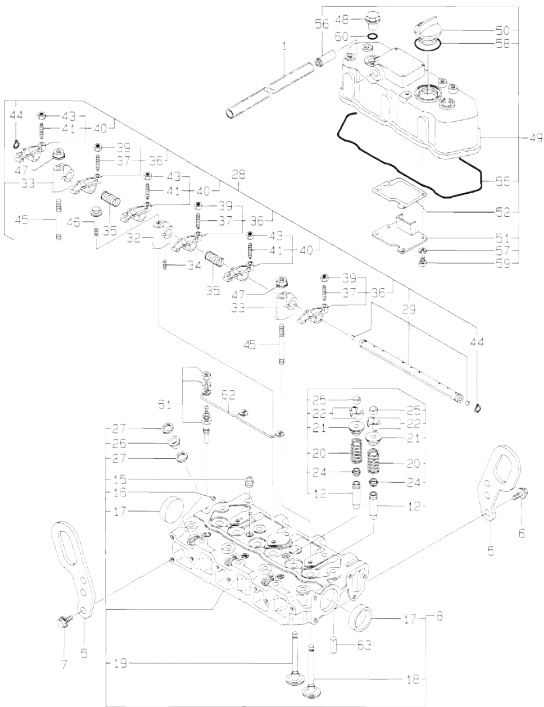
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	119285-01600	FLANGE, MOUNTING	1							
3	1	26206-100202	BOLT, M10X 20 PLATED	6							
4	1	26206-100252	BOLT, M10X 25 PLATED	3							
5	1	119620-01620	PIN, M6X10	2							
6	1	119660-01640	CASE ASSY, OIL SEAL	1							
8	2	124085-02220	SEAL, OIL	1							
9	1	26106-060222	BOLT, M6X 22 PLATED	10							
10	1	119454-01721	SPACER, OIL SUMP	1							
12	1	119260-01770	SUMP ASSY, OIL	1							
13	2	121400-01640	PLUG, 16	1							
15	2	24311-000180	O-RING, 1AP18.0	1							
16	1	26106-060102	BOLT, M6X 10 PLATED	3							
17	1	26106-060452	BOLT, M6X 45 PLATED	20							
18	1	977770-01212	GASKET, LIQUID	1							1

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{RIS}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{RIS}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M54900 3TNE68-SJ

Fig.4. CYLINDER HEAD & BONNET

Y0005490
3TNE68-SJ



Remarks
(1) REPAIR PART.

OCD10-M54900 Fig.4

(A)=3TNE68-SJ
(B)=
(C)=

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

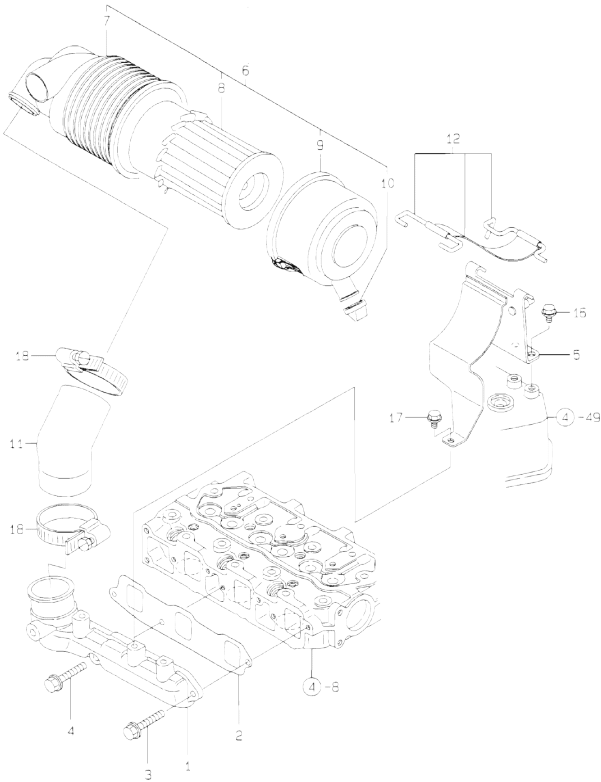
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23065-120500	PIPE, 12X 500	1							
5	1	119260-07900	LIFTER	2							
6	1	26106-080142	BOLT, M8X 14 PLATED	1							
7	1	26106-080142	BOLT, M8X 14 PLATED	2							
8	1	119265-11700	HEAD ASSY, CYLINDER	1							1
12	2	119260-11800	GUIDE, VALVE	6							
15	2	23871-030000	PLUG, R03	2							
16	2	27221-050080	PLUG, 5X 8	1							
17	2	27241-350000	PLUG, 35	2							
18	2	119260-11100	VALVE, INTAKE	3							
19	2	119260-11110	VALVE, EXHAUST	3							
20	2	114250-11120	SPRING, VALVE	6							
21	2	114250-11180	RETAINER, SPRING	6							
22	2	714250-11570	COTTER ASSY	6							
24	2	119260-11340	SEAL, VALVE STEM	6							
25	2	119260-11370	CAP, VALVE	6							
26	2	119600-11450	PROTECTOR, NOZZLE	3							
27	2	119600-11460	GASKET, NOZZLE	6							
28	1	119260-11200	SUPPORT ASSY, ARM	1							
29	2	119260-11240	SHAFT ASSY, ROCKER	1							
32	2	119260-11260	SUPPORT, ROCKER ARM	1							
33	2	119265-11260	SUPPORT, ROCKER ARM	2							
34	2	119260-11270	SCREW, ROCKER ARM	1							
35	2	119260-11280	SPRING	2							
36	2	719260-11650	ARM ASSY, ROCKER	3							
37	3	105010-11230	SCREW, VALVE ADJUST	3							
39	3	26756-060002	NUT, LOCK M6	3							
40	2	719260-11660	ARM ASSY, ROCKER	3							
41	3	105010-11230	SCREW, VALVE ADJUST	3							
43	3	26756-060002	NUT, LOCK M6	3							
44	2	22242-000100	RING, 10	2							
45	1	119620-11350	STUD	2							
46	1	26106-080452	BOLT, M8X 45 PLATED	1							
47	1	26366-080002	NUT, M8	2							
48	1	124160-11360	KNOB	2							
49	1	719260-11520	BONNET ASSY, HEAD	1							
50	2	124160-01751	COVER, FILLER	1							
51	2	119260-03020	PLATE, SHELTER	1							
52	2	119260-03031	GASKET	1							
55	2	119260-11310	GASKET, BONNET	1							
56	2	119620-11390	JOINT	1							
57	2	22217-050000	WASHER, SPRING 5	4							
58	2	24311-000320	O-RING, 1AP32.0	1							
59	2	26557-050102	SCREW, M5X10	4							
60	1	24311-000120	O-RING, 1AP12.0	2							
61	1	129795-77800	PLUG, GLOW	3							
62	1	119620-77820	CONNECTOR, GLOW PLUG	1							
63	1	22351-060012	PIN, SPRING 6.0X12	2							

N:Old $\frac{NHS}{100}$ New, O:Old $\frac{HS}{100}$ New, R:Old $\frac{NHS}{100}$ New, S:Old $\frac{HS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M54900 3TNE68-SJ

Fig.5. SUCTION MANIFOLD & AIR CLEANER

Y00D0490
3TNE68-SJ



OCD10-M54900 Fig.5

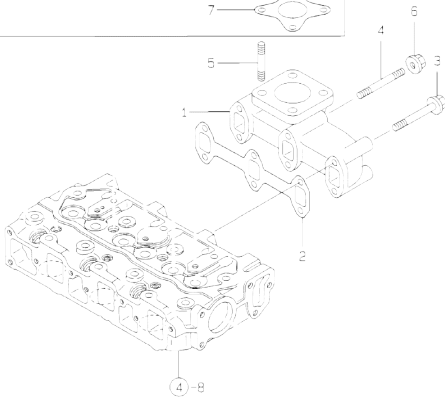
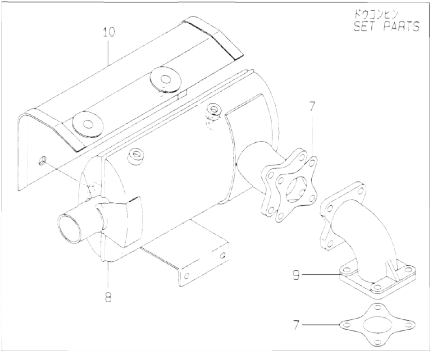
(A)=3TNE68-SJ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119270-12100	MANIFOLD, AIR INTAKE	1							
2	1	119270-12110	GASKET, MANIFOLD	1							
3	1	26106-060162	BOLT, M6X 16 PLATED	2							
4	1	26106-060282	BOLT, M6X 28 PLATED	1							
5	1	119489-12600	SUPPORT, AIR CLEANER	1							
6	1	119668-12500	CLEANER ASSY, AIR	1							
7	2	119668-12520	BODY	1							
8	2	119655-12560	ELEMENT	1							
9	2	105027-12570	COVER, AIR CREANER	1							
10	2	119808-12540	VALVE, UNLOADER	1							
11	1	119462-12550	PIPE, AIR INTAKE	1							
12	1	119865-12600	BAND ASSY, CLEANER	1							
16	1	26106-080122	BOLT, M8X 12 PLATED	2							
17	1	26106-060122	BOLT, M6X 12 PLATED	1							
18	1	23000-054000	CLAMP, 54	2							

Fig.6. EXHAUST MANIFOLD & SILENCER

Y0005490
3TNE68-SJ



(A)=3TNE68-SJ
(B)=
(C)=

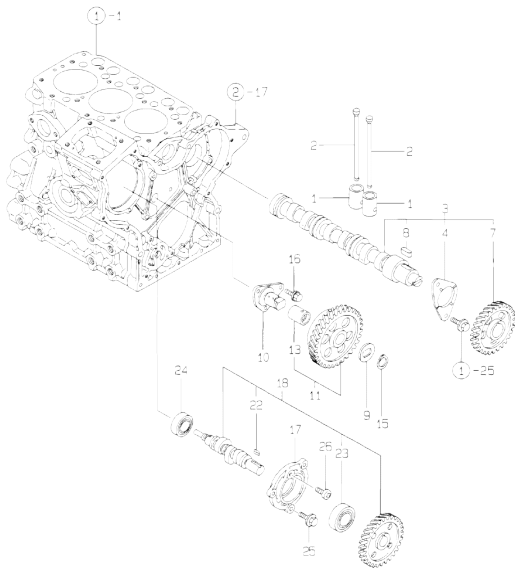
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119280-13100	MANIFOLD, EXHAUST	1							
2	1	119260-13110	GASKET	1							
3	1	26106-060402	BOLT, M6X 40 PLATED	4							
4	1	26216-060402	STUD, M6X 40	2							
5	1	26216-080222	STUD, M8X 22	4							
6	1	26366-060002	NUT, M6	2							
7	1	121000-13201	GASKET, SILENCER	2							
8	1	119242-13501	SILENCER	1							
9	1	119620-13550	BEND	1							
10	1	119233-13570	COVER, SILENCER	1							

0CD10-M54900 3TNE68-SJ

Fig.7. CAMSHAFT & DRIVING GEAR

Y0025490
3TNE68-SJ



Remarks
(1) REPAIR PART.

0CD10-M54900 Fig.7

(A)=3TNE68-SJ
(B)=
(C)=

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

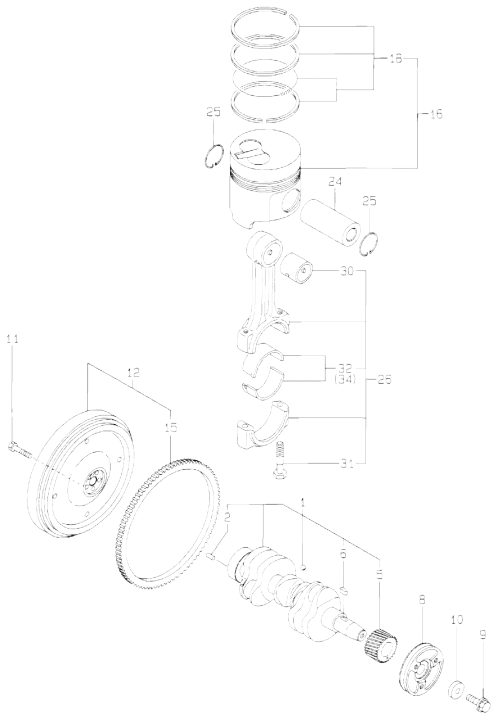
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-14200	TAPPET	6							
2	1	119260-14400	ROD, PUSH	6							
3	1	119260-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
7	2	119260-14100	GEAR, CAMSHAFT	1							
8	2	22512-040120	KEY, 4X 12	1							
9	1	119660-25022	RETAINER	1							
10	1	119660-25052	SHAFT, IDLE	1							
11	1	119260-25100	GEAR ASSY, IDLE	1							
13	2	119620-25912	BUSH	1							1
15	1	22242-000200	RING, 20	1							
16	1	26106-060122	BOLT, M6X 12 PLATED	3							
17	1	119660-01821	BEARING, FUEL CAM	1							
18	1	119225-14200	CAM ASSY	1							
22	2	22512-040120	KEY, 4X 12	1							
23	2	24102-063034	BEARING, BALL 6303U	1							
24	1	24101-062034	BEARING, BALL 6203	1							
25	1	26106-060162	BOLT, M6X 16 PLATED	3							
26	1	26587-080102	SCREW, M8X10	1							

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{R/O}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{R/O}{YES}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M54900 3TNE68-SJ

Fig.8. CRANKSHAFT & PISTON

100025490
3TNE68-SJ



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

OCD10-M54900 Fig.8

(A)=3TNE68-SJ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119260-21200	GEAR, CRANKSHAFT	1							
6	2	22512-040120	KEY, 4X 12	1							
8	1	119244-21650	V-PULLEY	1							
9	1	119621-21680	BOLT, FLANGE 12X1.25	1							
10	1	119620-21941	WASHER	1							
11	1	119620-21500	BOLT, FLYWHEEL	5							
12	1	119620-21591	FLYWHEEL ASSY	1							
15	2	124060-21600	GEAR, RING	1							
16	1	119265-22601	PISTON ASSY	3							
18	2	119265-22500	RING SET, PISTON	3							
24	1	119265-22300	PIN, PISTON	3							
25	1	22252-000200	RING, 20	6							
26	1	119265-23100	ROD ASSY, CONNECTING	3							
30	2	119260-23910	BEARING, PISTON PIN	3							1
31	2	119265-23200	BOLT, CONNECTING ROD	6							
32	2	719260-23600	BEARING, CRANK PIN	3							
34	1	719260-23610	BEARING ASSY, 0.25	3							2

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.9. LUB.OIL SYSTEM

This diagram shows an exploded view of a 4-cylinder engine block. The components are labeled with numbers 1 through 28. The main engine block is labeled 1. The cylinder head is labeled 2. The intake manifold is labeled 3. The water pump is labeled 4. The timing belt is labeled 5. The timing belt tensioner is labeled 6. The timing belt guide is labeled 7. The timing belt cover is labeled 8. The timing belt cover gasket is labeled 9. The timing belt cover bolt is labeled 10. The timing belt cover nut is labeled 11. The timing belt cover washer is labeled 12. The timing belt cover seal is labeled 13. The timing belt cover O-ring is labeled 14. The timing belt cover gasket is labeled 15. The timing belt cover bolt is labeled 16. The timing belt cover nut is labeled 17. The timing belt cover washer is labeled 18. The timing belt cover seal is labeled 19. The timing belt cover O-ring is labeled 20. The timing belt cover gasket is labeled 21. The timing belt cover bolt is labeled 22. The timing belt cover nut is labeled 23. The timing belt cover washer is labeled 24. The timing belt cover seal is labeled 25. The timing belt cover O-ring is labeled 26. The timing belt cover gasket is labeled 27. The timing belt cover bolt is labeled 28.

				(A)=3TNE68-SJ (B)= (C)=	0CD10-M54900 Fig.9					
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	119260-32000	PUMP ASSY, OIL	1						
11	1	119660-32020	GASKET, PUMP	1						
12	1	26450-060202	BOLT, M6X 20	3						
13	1	121520-34810	GUIDE, DIPSTICK	1						
14	1	129132-34800	DIPSTICK, OIL	1						
15	1	119305-35150	FILTER, OIL	1						
16	1	119225-35300	VALVE ASSY	1						
24	1	129150-35350	NUT	1						
25	1	119260-35081	PIPE, OIL INLET	1						
26	1	24311-000120	O-RING, 1AP12.0	1						
27	1	26106-060122	BOLT, M6X 12 PLATED	2						
28	1	121252-39450	SWITCH, 0.5KG	1						

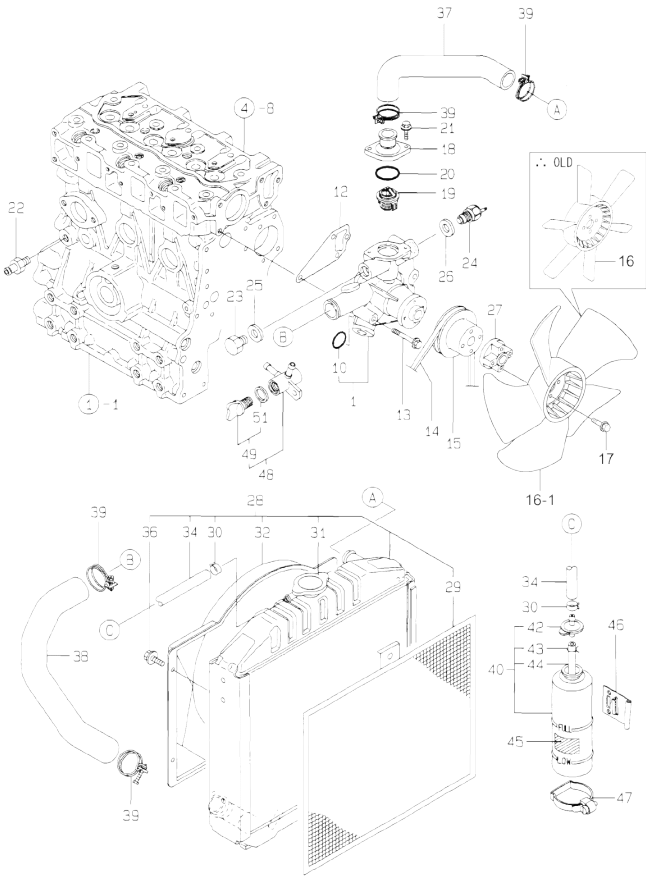
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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OCD10-M54900 3TNE68-SJ

Fig.10. COOLING WATER SYSTEM

Y00C5430
3TNE68-SJ



OCD10-M54900 Fig.10

(A)=3TNE68-SJ
(B)=
(C)=

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

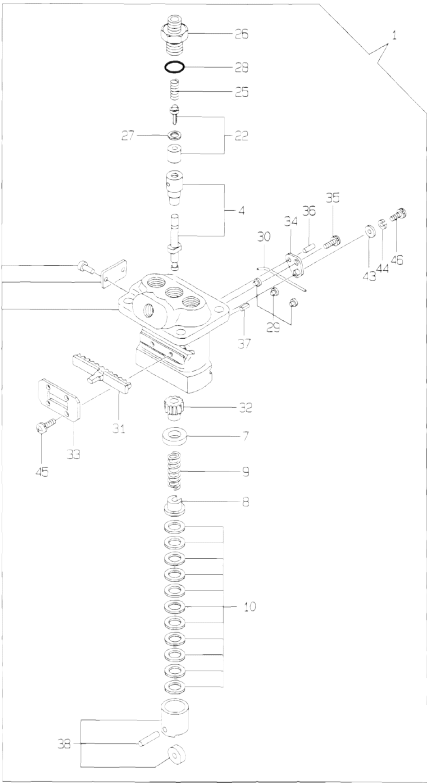
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-42002	PUMP ASSY, WATER	1							
10	2	119225-42320	O-RING	1							
12	1	119260-42020	GASKET, WATER PUMP	1							
13	1	26106-080452	BOLT, M8X 45 PLATED	3							
14	1	119225-42290	V-BELT, FM34.0	1							
15	1	119620-42350	V-PULLEY	1							
16	1	124450-44740	FAN, COOLING	1							
(A=E*****)											
16-1	1	119233-44740	FAN, D=290XUH	1							N
17	1	26014-060352	BOLT, M6X 35	4							
18	1	119260-49530	COVER, THERMOSTAT	1							
19	1	119260-49800	THERMOSTAT, 71	1							
20	1	24321-000350	O-RING, 1AG35.0	1							
21	1	26106-060182	BOLT, M6X 18 PLATED	2							
22	1	121550-49111	JOINT, PT1/4	1							
23	1	121450-42450	PLUG, M16	1							
24	1	121250-44901	SWITCH, 110	1							
25	1	124465-44950	GASKET, 16	1							
26	1	124465-44950	GASKET, 16	1							
27	1	171353-44760	SPACER, FAN	1							
28	1	119860-44500	RADIATOR ASSY	1							
29	2	119860-44580	SCREEN, RADIATOR	1							
30	2	121250-44590	CLAMP	2							
31	2	124450-44590	CAP, RADIATOR	1							
32	2	119860-44610	SHROUD	1							
34	2	119860-44680	HOSE, RUBBER	1							
36	2	26014-060122	BOLT, M6X 12	4							
37	1	121400-49011	PIPE, WATER	1							
38	1	119860-49020	PIPE, WATER	1							
39	1	23010-038000	CLAMP, 38	4							
40	1	121450-44510	TANK ASSY, SUB	1							
42	2	121450-44530	CAP	1							
43	2	124450-44560	RETAINER	1							
44	2	23065-070180	PIPE, 7X 180	1							
45	1	121470-44540	LABEL, SUB-TANK	1							
46	1	121256-44600	BRACKET, SUB TANK	1							
47	1	124450-44550	BAND	1							
48	1	129150-49100	COCK ASSY, 3-WAY	1							
49	2	129150-49080	COCK, DRAIN	1							
51	3	119629-49080	GASKET	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M54900 3TNE68-SJ

Fig.11. FUEL INJECTION PUMP

Y00C5490
3TNE68-SJ



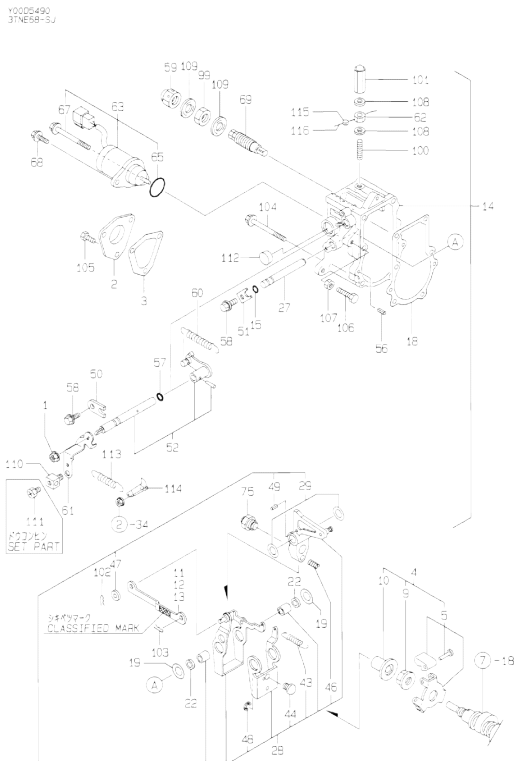
OCD10-M54900 Fig.11

(A)=3TNE68-SJ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719225-51100	PUMP ASSY, INJECTION	1							
4	2	119225-51100	PLUNGER ASSY	3							
7	2	119620-51170	RETAINER, SPRING A	3							
8	2	119620-51180	RETAINER, SPRING B	3							
9	2	119620-51190	SPRING, PLUNGER	3							
10	2	119620-51250	SHIM SET	3							
22	2	119225-51300	VALVE ASSY, DELIVERY	3							
25	2	105546-51330	SPRING, DELIVERY	3							
26	2	119620-51340	HOLDER, DELIVERY	3							
27	2	119620-51350	GASKET	3							
28	2	119620-51370	O-RING	3							
29	2	119620-51450	PIECE	3							
30	2	119620-51461	PIN	1							
31	2	119660-51500	RACK, CONTROL	1							
32	2	119620-51510	PINION	3							
33	2	119660-51530	RETAINER, RACK	1							
34	2	119620-51650	PLATE	2							
35	2	119620-51660	SCREW	2							
36	2	119620-51670	PIN	2							
37	2	119620-51680	PIN	1							
38	2	119620-51700	TAPPET ASSY	3							
43	2	22137-040000	WASHER, 4	2							
44	2	22217-040000	WASHER, SPRING 4	2							
45	2	26022-040082	SCREW, M4X 8	4							
46	2	26587-040102	SCREW, M4X10	2							

OCD10-M54900 3TNE68-SJ
Fig.12. GOVERNOR



Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).

										OCD10-M54900		Fig.12	
										(A)=3TNE68-SJ			
										(D)=			
										(E)=			
										(F)=			
										Q'ty			
No.	Lev.	Parts No.	Description		(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	194990-22050	NUT, M8		1								
2	1	119660-61060	COVER, GOVERNOR CASE		1								
3	1	119660-61071	GASKET		1								
4	1	119600-61100	DRIVE ASSY		1								
5	2	119600-61200	WEIGHT ASSY,GOVERNOR		1								
9	2	119660-61300	NUT		1								
10	2	119660-61341	SLEEVE		1								
11	1	119660-61121	LINK, NO MARK		1							1	
12	1	119660-61140	LINK, MARK :2		1							1	
13	1	119660-61150	LINK, MARK :3		1							1	
14	1	119632-61200	CASE ASSY, GOVERNOR		1								
15	2	129155-51280	O-RING, S6		1								
18	2	119660-61052	GASKET		1								
19	2	119660-61460	SHIM SET		1								
22	2	129155-61480	SPACER ASSY		2								
27	2	119660-61491	SHAFT		1								
28	2	119232-61510	LEVER ASSY, GOVERNOR		1								
29	3	174307-51700	SHIM SET		2								
43	3	119232-61540	SPRING		1								
44	3	119600-61541	SHIFTER		1								
46	3	119660-61651	SPRING, STARTING		1								
47	3	22117-040000	WASHER, 4		1								
48	3	22272-000040	RING, E- 4		1								
49	3	22351-030014	PIN, SPRING 3.0X14		1								
50	2	119600-61900	RETAINER, SHAFT		1								
51	2	119660-61901	RETAINER, SHAFT		1								
52	2	119285-66080	SHAFT ASSY		1								
56	2	22351-040010	PIN, SPRING 4.0X10		2								
57	2	24341-000070	O-RING, 1AS7.0		1								
58	2	26106-060102	BOLT, M6X 10 PLATED		2								
59	1	26687-120002	NUT, CAP M12		1								
60	1	119600-66020	SPRING, REGULATOR		1								
61	1	119640-66051	HANDLE, REGULATOR		1								
62	1	124550-66370	NUT, M6		1								
63	1	119653-66500	STOPPER ASSY		1								
65	2	24341-000280	O-RING, 1AS28.0		1								
67	2	26106-060952	BOLT, M6X 95 PLATED		1								
68	1	121465-59950	BOLT, M6X16		1								
69	1	119600-61530	LIMITER ASSY, FUEL		1								
75	1	119654-66700	ANGLEICH ASSY		1								
99	1	26776-120002	NUT, LOCK M12		1								
100	1	121575-66830	SCREW		1								
101	1	119600-66840	NUT, CAP		1								
102	1	22360-040000	PIN, SNAP 4		1								
103	1	22360-060000	PIN, SNAP 6		1								
104	1	26106-060702	BOLT, M6X 70 PLATED		5								
105	1	26116-050102	BOLT, M5X 10 PLATED		3								
106	1	26116-060304	BOLT, M6X 30 PLATED		1								
107	1	26756-060002	NUT, LOCK M6		1								
108	1	22190-060003	SEAL WASER 6		2								
109	1	22190-120002	WASHER, SEAL 12		2								

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

++ CONTINUE ++

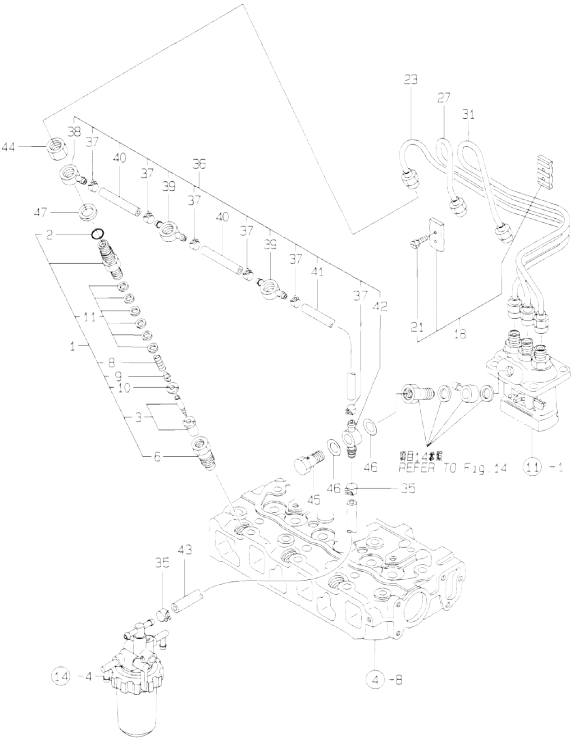
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N:Old, New, Q:Old, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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OCD10-M54900 3TNE68-SJ

Fig.13. FUEL INJECTION VALVE

Y00D5490
3TNE68-SJ



OCD10-M54900 Fig.13

(A)=3TNE68-SJ
(B)=
(C)=

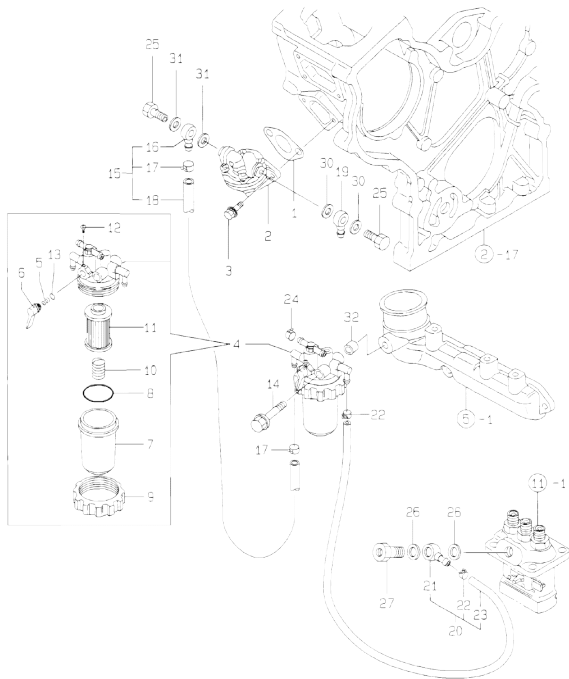
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719620-53700	VALVE ASSY,INJECTION	3							
2	2	129155-61830	O-RING, S10	3							
3	2	119620-53000	VALVE ASSY,INJECTION	3							
6	2	119620-53080	NUT, NOZZLE	3							
8	2	119620-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	119620-53140	SPACER, VALVE STOP	3							
11	2	114250-53400	SHIM SET	3							
18	1	129150-59120	RETAINER, PIPE	1							
21	2	129150-59131	BOLT, M4X14	2							
23	1	119209-59810	PIPE ASSY, INJECTION	1							
27	1	119209-59820	PIPE ASSY, INJECTION	1							
31	1	119209-59830	PIPE ASSY, INJECTION	1							
35	1	124766-59050	CLIP, HOSE 12	2							
36	1	119642-59540	PIPE ASSY, RETURN	1							
37	2	124066-59100	CLIP, HOSE 8	6							
38	2	119260-59520	JOINT	1							
39	2	119260-59530	JOINT	2							
40	2	105025-59550	PIPE, FUEL RETURN	2							
41	2	119642-59550	PIPE, FUEL RETURN	1							
42	2	119642-59570	JOINT, OVER FLOW	1							
43	1	119225-59560	PIPE, FUEL	1							
44	1	119620-59700	NUT, NOZZLE	3							
45	1	124550-59820	BOLT, PIPE JOINT M8	1							
46	1	23414-080012	GASKET, 8X1.0	2							
47	1	23414-140000	GASKET, 14X1.0	3							

OCD10-M54900 3TNE68-SJ

Fig.14. FUEL LINE

Y0005490
3TNE68-SJ



OCD10-M54900 Fig.14

(A)=3TNE68-SJ
(B)=
(C)=

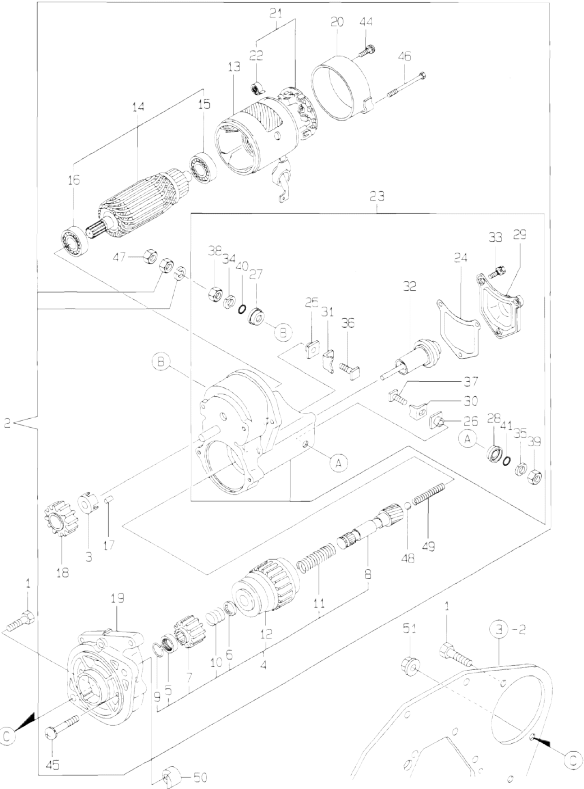
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121520-01851	GASKET	1							
2	1	119600-52021	PUMP ASSY, FUEL FEED	1							
3	1	26106-060162	BOLT, M6X 16 PLATED	2							
4	1	119255-55620	FILTER ASSY, FUEL	1							
5	2	104200-55330	SPRING, VALVE	1							
6	2	119810-55340	LEVER	1							
7	2	121254-55510	COVER	1							
8	2	102103-55520	O-RING	1							
9	2	110250-55610	RING, RETAINING	1							
10	2	121250-55620	SPRING	1							
11	2	124550-55700	FILTER, FUEL L=90	1							
12	2	104200-55750	SCREW, M4	1							
13	2	24311-240100	O-RING, 1AP10A	1							
14	1	26014-080852	BOLT, M8X 85	1							
15	1	119244-59020	PIPE ASSY, FUEL	1							
16	2	104264-59030	JOINT, PIPE 8	1							
17	2	124766-59050	CLIP, HOSE 12	2							
18	2	121522-59100	PIPE, FUEL D12X500	1							
19	1	104264-59030	JOINT, PIPE 8	1							
20	1	119230-59031	PIPE ASSY, FUEL	1							
21	2	101304-59020	JOINT, PIPE 12	1							
22	2	124766-59050	CLIP, HOSE 12	2							
23	2	119230-59080	PIPE, FUEL D12X185	1							
24	1	124766-59050	CLIP, HOSE 12	1							
25	1	105582-59150	BOLT, PIPE JOINT	2							
26	1	104200-59170	GASKET, 12	2							
27	1	119462-59190	BOLT ASSY, JOINT	1							
30	1	22190-080002	WASHER, SEAL 6	2							
31	1	22190-080002	WASHER, SEAL 6	2							
32	1	129411-55690	SPACER	1							

OCD10-M54900 3TNE68-SJ

Fig.15. STARTING MOTOR

Y0005490
3TNE68-SJ



OCD10-M54900 Fig.15

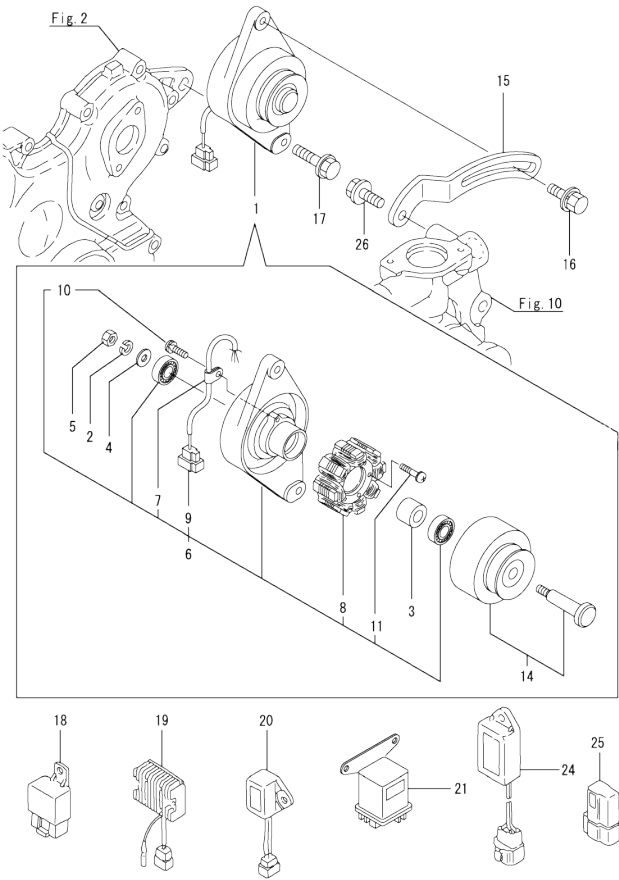
(A)=3TNE68-SJ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26156-120302	BOLT, M12X 30 PLATED	2							
2	1	124520-77011	STARTER	1							
3	2	X0280630011	RETAINER	1							
4	2	X0280992761	CLUTCH KIT	1							
5	3	X0280210230	NUT	1							
6	3	X0283270140	RETAINER	1							
7	3	X0283712350	PINION, STARTER	1							
8	3	X0283810040	SHAFT	1							
9	3	X9490721080	RING	1							
10	3	X9491703371	SPRING, COIL	1							
11	3	X9491704260	SPRING	1							
12	3	121120-77930	CASE ASSY, STARTER	1							
13	2	X0281003751	YOKE ASSY	1							
14	2	X0282001531	ARMATURE ASSY	1							
15	3	X9491001360	BEARING	1							
16	3	X9491001860	BEARING, BALL	1							
17	2	X0283060061	ROLLER	5							
18	2	X0283711420	PINION	1							
19	2	X0284004910	HOUSING	1							
20	2	X0285040631	FRAME ASSY	1							
21	2	X0285100460	HOLDER ASSY, BRUSH	1							
22	3	X9491730461	SPRING	4							
23	2	X0534006460	SWITCH	1							
24	3	X0534040320	GASKET	1							
25	3	X0534490120	BUSH	1							
26	3	X0534490120	BUSH	1							
27	3	X0534490230	BUSH	1							
28	3	X0534490230	BUSH	1							
29	3	X0535050620	COVER	1							
30	3	X0535130241	PLATE	1							
31	3	X0535130320	PLATE	1							
32	3	X0536600401	PLUNGER	1							
33	3	X9151005141	BOLT	3							
34	3	X9490170900	WASHER	1							
35	3	X9490170900	WASHER	1							
36	3	X9490441303	BOLT	1							
37	3	X9490441312	BOLT	1							
38	3	X9490502820	NUT	1							
39	3	X9490502820	NUT	1							
40	3	X9491402100	O-RING	1							
41	3	X9491402100	O-RING	1							
44	2	X9490071810	SCREW	2							
45	2	X9490071970	SCREW	2							
46	2	X9490423330	BOLT	2							
47	2	X9490561370	NUT	1							
48	2	X9491200240	BALL	1							
49	2	X9491703380	SPRING	1							
50	1	119285-77050	NUT	1							
51	1	26376-120002	NUT, M12	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.16. GENERATOR



(A)=3TNE68-SJ
(B)=
(C)=

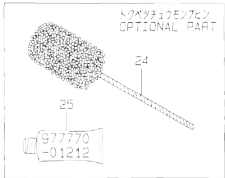
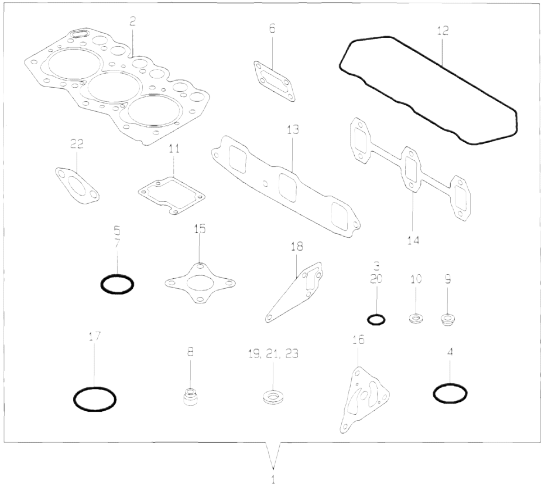
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-77202	GENERATOR	1							
1-1	1	129150-77203	DINAMO ASSY	1							N
(A=EXXXXX)											
2	2	XM219230000	WASHER, SPRING	1							
3	2	XM329830000	COLLAR	1							
4	2	XM860250000	WASHER, 10	1							
5	2	XM863720000	NUT	1							
6	2	129150-77210	PLATE ASSY	1							
7	3	XM069000000	CLAMP	1							
8	3	XM081780000	STATOR	1							
9	3	XM178780000	COUPLER	1							
10	3	XYSPS400800	SCREW	1							
11	3	XYSPS402400	SCREW	2							
14	2	129150-77230	FLYWHEEL ASSY	1							
14-1	2	129150-77280	FLYWHEEL ASSY	1							N
(A=EXXXXX)											
15	1	119650-77330	ADJUSTER	1							
16	1	26014-080252	BOLT, M8X 25	1							
17	1	26106-100402	BOLT, M10X 40 PLATED	1							
18	1	119247-771100	RELAY, POWER	1							
19	1	119640-77711	LIMITER, CURRENT	1							
20	1	121522-77721	INDICATOR	1							
21	1	119650-77910	RELAY ASSY, GLOW	1							
24	1	119632-77920	TIMER	1							
25	1	119643-66900	DIODE	1							
26	1	26106-080202	BOLT, M8X 20 PLATED	1							

OCD10-M54900 3TNE68-SJ

Fig.17. GASKET SET

Y0005490
3TNE68-SJ



Remarks
(1) OPTIONAL PART.

OCD10-M54900 Fig.17

(A)=3TNE68-SJ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-92680	GASKET SET	1							1
2	2	119265-01341	GASKET, HEAD	1							
3	2	24311-000120	O-RING, 1AP12.0	5							
4	2	24311-000320	O-RING, 1AP32.0	2							
5	2	24341-000240	O-RING, 1AS24.0	1							
6	2	119660-01562	GASKET	1							
7	2	24311-000180	O-RING, 1AP18.0	1							
8	2	119260-11340	SEAL, VALVE STEM	6							
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20	2	129155-61830	O-RING, S10	3							
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22	2	121520-01851	GASKET	1							
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24	1	129400-92400	HONE	1							1
25	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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