

OCR10-M46200EN

Directions for the Parts Catalog.

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

OCF10-G21601

29. FUEL INJECTION PUMP(W/BOOST)

1

REF.

2

LEV.

PARTS NO.

DESCRIPTION

(A)=4JH-DT
(B)=4JH-DTZ
(C)=4JH-DTZP

(D)=4JH-DTZA
(E)=4JH-DTZY
(F)=

Q'TY

(A) (B) (C) (D) (E) (F)

3

I

5

R

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 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 Mark

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 Mark

Figures or alphabets (symbols) are entered in the remarks column.

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

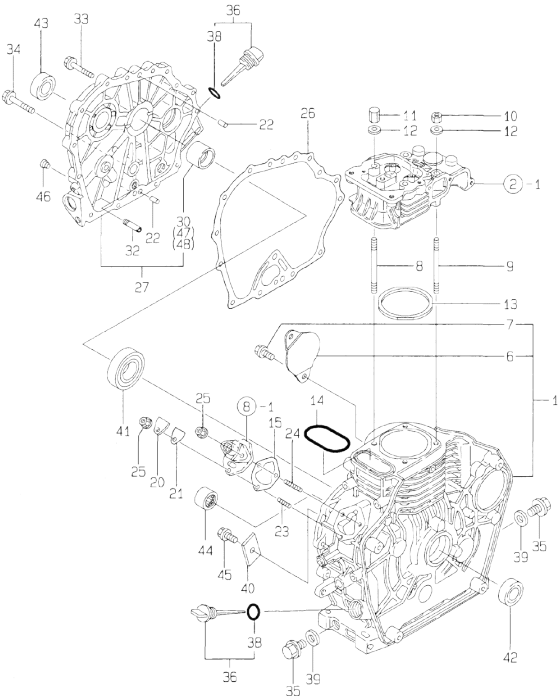
Contents

Fig. No.	Fig. Name
L40AE-100AE-D(E)GTM	
1.	CYLINDER BLOCK
2.	CYLINDER HEAD & BONNET
3.	AIR CLEANER
4.	MUFFLER
5.	CRANKSHAFT,PISTON & CAMSHAFT
6.	LUB.OIL PUMP & GOVERNOR
7.	COOLING & STARTING DEVICE
8.	FUEL INJECTION PUMP
9.	FUEL TANK &FUEL LINE
10.	STARTING MOTOR & DYNAMO
11.	TOOL,LABEL & GASKET SET
12.	CYLINDER BLOCK
13.	CYLINDER HEAD & BONNET
14.	AIR CLEANER
15.	MUFFLER
16.	CRANKSHAFT,PISTON & CAMSHAFT
17.	LUB.OIL PUMP & GOVERNOR
18.	COOLING & STARTING DEVICE
19.	FUEL INJECTION PUMP
20.	FUEL TANK & FUEL LINE
21.	STARTING MOTOR & DYNANO
22.	TOOL,LABEL & GASKET SET
23.	CYLINDER BLOCK
24.	CYLINDER HEAD & BONNET

Fig. No.	Fig. Name
25.	AIR CLEANER
26.	MUFFLER
27.	CRANKSHAFT,PISTON & CAMSHAFT
28.	LUB.OIL PUMP & GOVERNOR
29.	COOLING & STARTING DEVICE
30.	FUEL INJECTION PUMP
31.	FUEL TANK & FUEL LINE
32.	STARTING MOTOR & DYNAMO
33.	TOOL,LABEL & GASKET SET

Fig.1. CYLINDER BLOCK

1. CYLINDER BLOCK

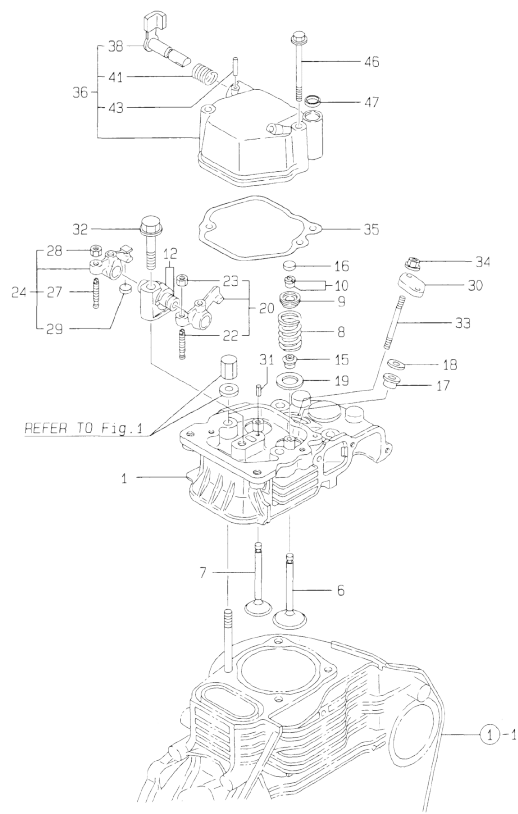


Remarks
(1) REPAIR PART.
(2) UNDER-SIZED PART.
(3) FOR L40AE-DGTM.
(4) FOR L40AE-DEGTM.
(G) THESE PARTS ARE SOLD BY FIG.11,
REF.NO.15,16.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714270-01560	BLOCK ASSY, CYLINDER	1							3
1B	1	714271-01560	BLOCK ASSY, CYLINDER	1							4
1C	1	714771-01560	BLOCK ASSY, CYLINDER		1						
6	2	114350-01700	COVER	1	1						
7	2	26106-100122	BOLT, M10X 12 PLATED	2	2						
8	1	114250-01200	BOLT, HEAD	2	2						
9	1	114250-01210	BOLT, HEAD	2	2						
10	1	114250-01220	NUT, CYLINDER HEAD	2	2						
11	1	114250-01250	NUT, CAP	2	2						
12	1	124950-01250	WASHER	4	4						
13A	1	114250-01340	GASKET, HEAD	1							G
13B	1	114770-01340	GASKET, HEAD		1						G
14	1	114250-01380	O-RING	1	1						G
15	1	114250-01800	SHIM SET	1	1						
20	1	114250-01830	COVER	1	1						
21	1	114250-01841	GASKET	1	1						G
22	1	114270-01600	PIN, M8X12	2	2						
23	1	26226-060182	STUD, M6X 18	1	1						
24	1	26226-060222	STUD, M6X 22	2	2						
25	1	26366-060002	NUT, M6	3	3						
26	1	114250-01412	GASKET, CRANK CASE	1	1						G
27	1	114260-01454	COVER, CRANK CASE	1	1						
30	2	114250-02100	BEARING, MAIN	1	1						1
32	1	114250-35150	PIPE, OIL INLET	1	1						
33	1	26106-060252	BOLT, M6X 25 PLATED	14	14						
34	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
35	1	105425-01690	PLUG, 16	2	2						
36	1	160710-01760	CAP ASSY, L82	2	2						
38	2	24311-000180	O-RING, 1AP18.0	2	2						G
39	1	22190-160002	WASHER, SEAL 16	2	2						G
40	1	114250-02030	RETAINER, BEARING	1	1						
41	1	114250-02113	BEARING, HR6306G3C3	1	1						
42	1	160110-02220	SEAL, OIL	1	1						
43	1	160210-02220	SEAL, 25X41.2X8	1	1						
44	1	24162-152112	BEARING, 152112	1	1						
45	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
46	1	23871-010000	PLUG, R01	1	1						
47	1	114250-02200	BEARING, 0.25 US	1	1						2
48	1	114250-02210	BEARING, 0.50 US	1	1						2

Fig.2. CYLINDER HEAD & BONNET

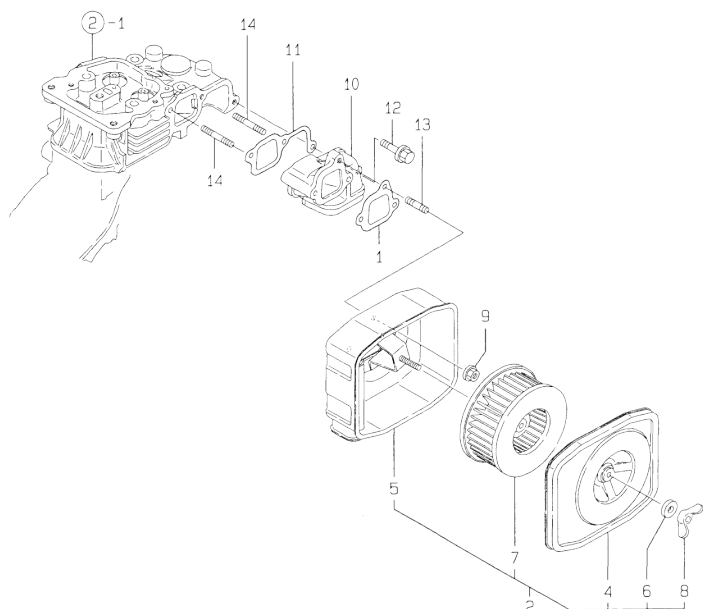
2.CYLINDER HEAD & BONNET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114770-11020	HEAD ASSY, CYLINDER	1	1						
6	1	114250-11101	VALVE, INTAKE	1	1						
7	1	114250-11113	VALVE, EXHAUST	1	1						
8	1	114250-11120	SPRING, VALVE	2	2						
9	1	114250-11180	RETAINER, SPRING	2	2						
10	1	714250-11570	COTTER ASSY	2	2						
12	1	114250-11290	SUPPORT, ROCKER ARM	1	1						
15	1	114250-11340	SEAL, VALVE STEM	2	2						G
16	1	119260-11370	CAP, VALVE	1	1						
17	1	114250-11460	GASKET, NOZZLE	1	1						G
18	1	114350-11470	SPACER, NOZZLE	1	1						
19	1	114250-11600	WASHER	2	2						
20	1	114250-11651	ARM, ROCKER	1	1						
22	2	114250-11240	SCREW, VALVE ADJUST	1	1						
23	2	26756-060002	NUT, LOCK M6	1	1						
24	1	714270-11660	ARM ASSY, ROCKER	1	1						
27	2	114250-11240	SCREW, VALVE ADJUST	1	1						
28	2	26756-060002	NUT, LOCK M6	1	1						
29	2	119260-11370	CAP, VALVE	1	1						
30	1	114250-11900	RETAINER, NOZZLE	1	1						
31	1	22351-040008	PIN, SPRING 4.0X 8	1	1						
32	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
33	1	26226-060502	STUD, M6X 50	2	2						
34	1	26366-060002	NUT, M6	2	2						
35	1	114250-11311	GASKET, BONNET	1	1						G
36	1	114250-11951	BONNET ASSY, HEAD	1	1						
38	2	114250-03591	LEVER ASSY	1	1						
41	2	114250-03640	SPRING, DECOMPRESSION	1	1						
43	2	22312-030160	PIN, PARALLEL M3X16	1	1						
46	1	26106-060552	BOLT, M6X 55 PLATED	2	2						
47	1	129100-61850	PLUG, 12	1	1						

Remarks
(G) THESE PARTS ARE SOLD BY FIG.11,
REF.NO.15,16.

3. AIR CLEANER

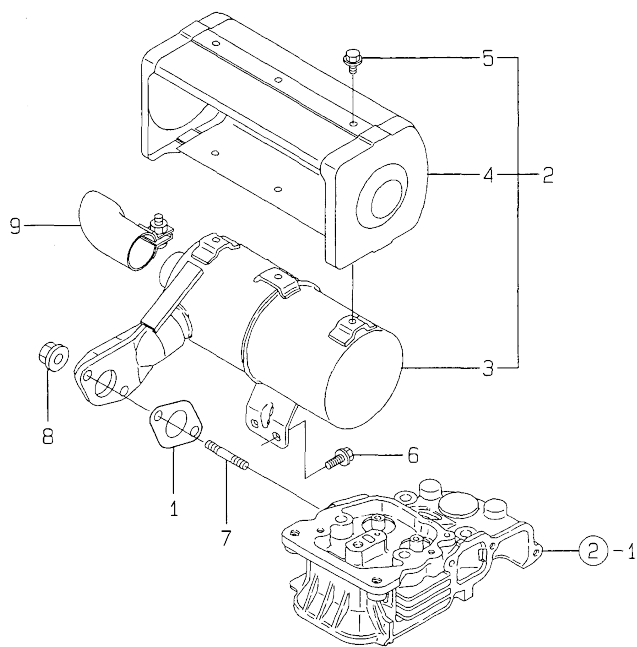


N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

				(A)=L40AE-D/EGTM (B)=L48AE-D/EGTM (C)=L60AE-D/EGTM	(D)=L70AE-D/EGTM (E)=L80AE-D/EGTM (F)=L100AE-D/EGTM								
No.	Lev.	Parts No.	Description	Qty								I	R
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	114250-12211	GASKET, AIR CLEANER	1	1						G		
2	1	714250-12560	CLEANER ASSY, AIR	1	1								
4	2	114250-12520	COVER, AIR CREAMER	1	1								
5	2	114250-12530	CASE ASSY, CLEANER	1	1								
6	2	114250-12560	WASHER, SEAL M6	1	1								
7	2	114250-12580	ELEMENT	1	1								
8	2	114250-12550	NUT, WING M6	1	1								
9	1	26366-060002	NUT, M6	3	3								
10	1	114250-12010	PIPE, AIR INTAKE	1	1								
11	1	114250-12201	GASKET	1	1						G		
12	1	26106-060252	BOLT, M6X 25 PLATED	1	1								
13	1	26226-060142	STUD, M6X 14	1	1								
14	1	26226-060552	STUD, M6X 55	2	2								

Fig.4. MUFFLER

4. MUFFLER

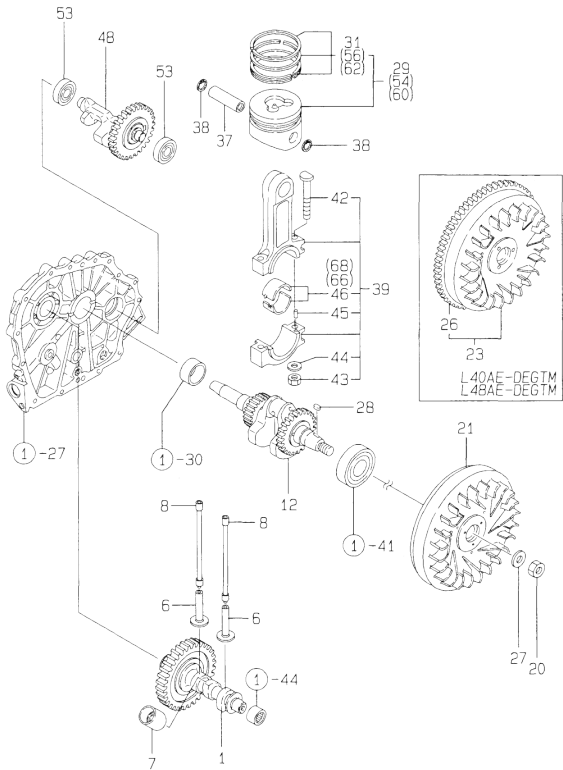


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-13201	GASKET, MUFFLER	1	1						G
2	1	114268-13500	MUFFLER ASSY	1	1						
3	2	114268-13510	MUFFLER	1	1						
4	2	114268-13700	COVER, SILENCER	1	1						
5	2	26106-060082	BOLT, M6X 8 PLATED	6	6						
6	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
7	1	26216-080182	STUD, M8X 18	2	2						
8	1	26366-080002	NUT, M8	2	2						
9	1	114268-13800	PIPE	1	1						

Remarks
(G) THESE PARTS ARE SOLD BY FIG.11,
REF.NO.15,16.

Fig.5. CRANKSHAFT,PISTON & CAMSHAFT

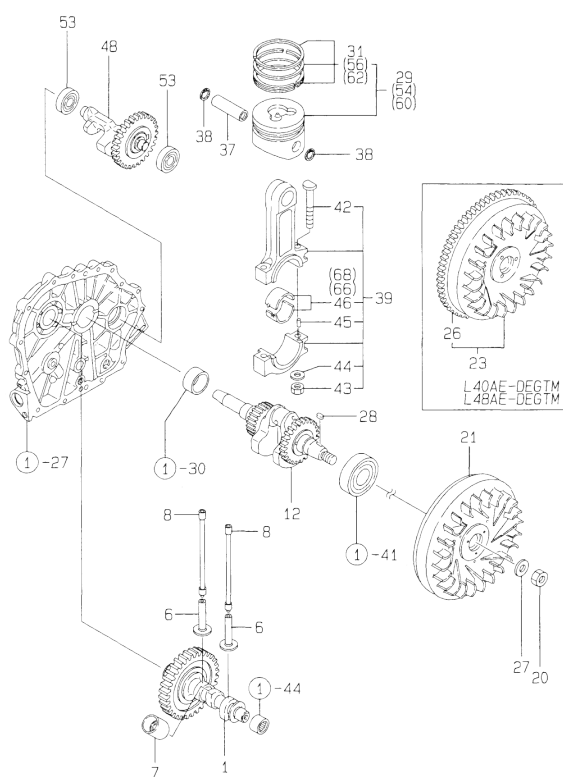
5.CRANKSHAFT, PISTON & CAMSHAFT



Remarks
(1) FOR L40AE-DEGTM,L48AE-DEGTM.
(2) OVER-SIZED PART.
(3) UNDER-SIZED PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714780-14580	CAMSHAFT ASSY	1	1						
1-1	1	714780-14581	CAMSHAFT ASSY, D	1	1						R
(A=EZZZZZ) (B=EZZZZZ)											
6	1	114250-14200	TAPPET	2	2						
7	1	114250-14260	TAPPET	1	1						
8	1	114250-14450	ROD ASSY, PUSH	2	2						
12	1	714288-21730	CRANKSHAFT ASSY	1	1						
20	1	103854-01221	NUT, CYLINDER HEAD	1	1						
21	1	114780-21400	FLYWHEEL	1	1						
23	1	114781-21590	FLYWHEEL ASSY	1	1						1
26	2	114262-21600	GEAR, RING	1	1						1
27	1	114250-21550	WASHER	1	1						
28	1	22512-040120	KEY, 4X 12	1	1						
29A	1	714280-22720	PISTON ASSY, D	1							
29B	1	714780-22720	PISTON ASSY, D		1						
31A	2	714250-22502	RING SET, PISTON	1							
31B	2	714770-22500	RING SET, PISTON		1						
37	1	114250-22302	PIN, PISTON D=19	1	1						
38	1	22252-000190	RING, 19	2	2						
39	1	714250-23703	ROD ASSY, CONNECTING	1	1						
39-1	1	714770-23700	ROD ASSY, CONNECTING	1	1						N
(A=*1999.11) (B=*1999.11)											
42	2	114250-23200	BOLT, CONNECTING ROD	2	2						
42-1	2	119265-23200	BOLT, CONNECTING ROD	2	2						S
(A=*1999.11) (B=*1999.11)											
43	2	114250-23220	NUT	2	2						Z
(A=*1999.11) (B=*1999.11)											
44	2	114250-23250	WASHER	2	2						Z
(A=*1999.11) (B=*1999.11)											
45	2	22312-030080	PIN, PARALLEL M3X 8	2	2						Z
(A=*1999.11) (B=*1999.11)											
46	2	714250-23600	BEARING, CRANK PIN	1	1						
46-1	2	714770-23600	BEARING, CRANK PIN	1	1						S
(A=*1999.11) (B=*1999.11)											
47A	2	114770-23100	BEARING, PISTON PIN	1	1						W
(A=*1999.11) (B=*1999.11)											
48	1	714770-28510	SHAFT ASSY, BALANCER	1	1						
48-1	1	714770-28511	SHAFT ASSY, BALANCER	1	1						R
(A=EZZZZZ) (B=EZZZZZ)											
48-2	1	714770-28512	SHAFT ASSY, BALANCER	1	1						R
(A=EZZZZZ) (B=EZZZZZ)											
53	1	24101-062024	BEARING, BALL 6202	2	2						
54A	1	714280-22620	PISTON ASSY, 0.25 OS	1							2
54B	1	714780-22620	PISTON ASSY, 0.25 OS		1						2
56A	2	714250-22542	RING SET, 0.25 OS	1							2
56B	2	714770-22540	RING SET, 0.25 OS		1						2
60A	1	714280-22580	PISTON ASSY, 0.50 OS	1							2
60B	1	714780-22580	PISTON ASSY, 0.50 OS		1						2
62A	2	714250-22550	RING SET, 0.50 OS	1							2
62B	2	714770-22550	RING SET, 0.50 OS		1						2
66	1	714250-23610	BEARING ASSY, 0.25	1	1						3

5. CRANKSHAFT, PISTON & CAMSHAFT



Remarks
(1) FOR L40AE-DEGTM,L48AE-DEGTM.
(2) OVER-SIZED PART.
(3) UNDER-SIZED PART.

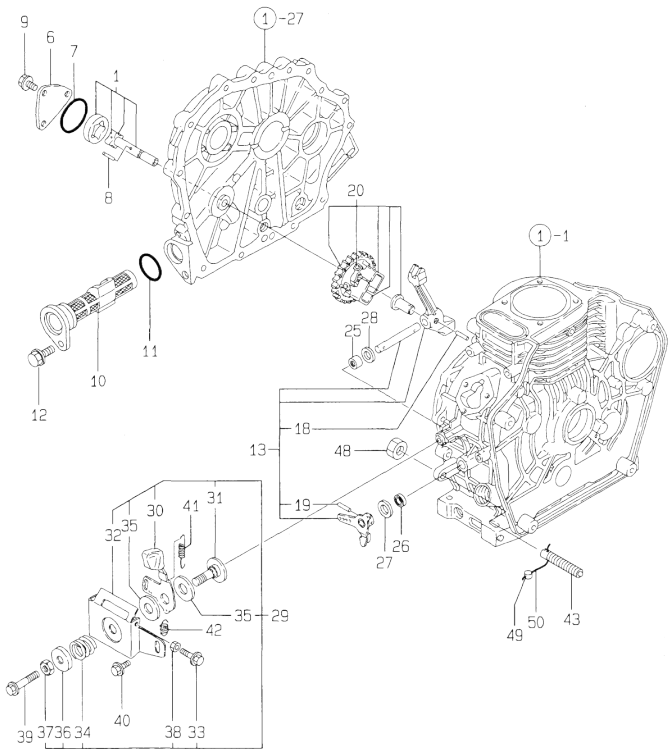
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N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

OCR10-M46200

Fig.6. LUB.OIL PUMP & GOVERNOR

6.LUB.OIL PUMP & GOVERNOR

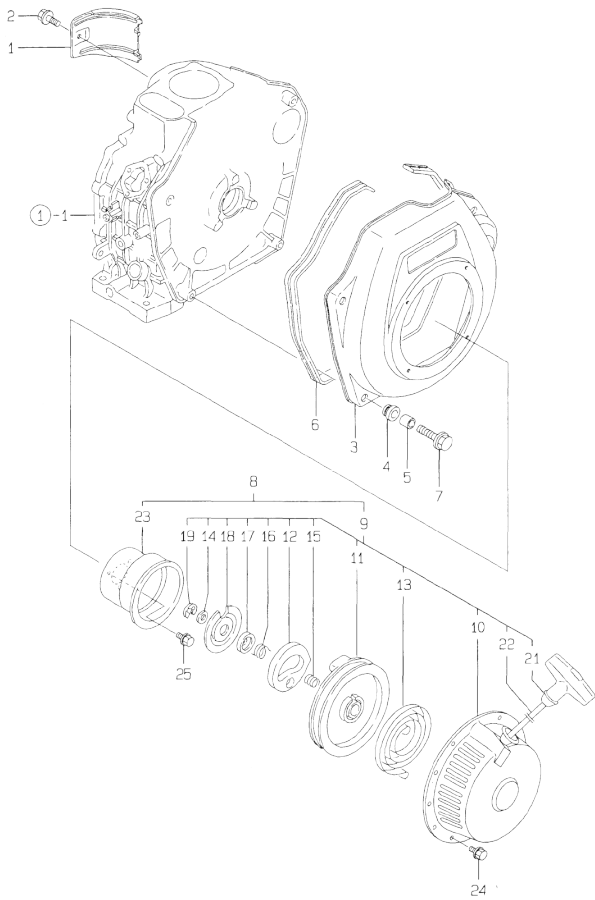


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-32010	PUMP ASSY, OIL	1	1						
6	1	114250-32070	COVER	1	1						
7	1	103338-32570	O-RING	1	1						G
8	1	22312-030160	PIN, PARALLEL M3X16	1	1						
9	1	26476-060142	SCREW, TAPPING M6X14	3	3						
10	1	114250-35070	FILTER, OIL	1	1						
11	1	24341-000224	O-RING, 1AS22.4	1	1						G
12	1	26106-060162	BOLT, M6X 16 PLATED	1	1						
13	1	714250-61500	LEVER ASSY, GOVERNOR	1	1						
18	2	22322-030200	PIN, TAPER 3X20	1	1						
19	2	22322-030200	PIN, TAPER 3X20	1	1						
20	1	714770-61700	GOVERNOR ASSY	1	1						
25	1	114270-61520	BEARING, NEEDLE 8	2	2						
26	1	114770-61600	SEAL, OIL	1	1						
27	1	114770-61610	WASHER, THRUST	1	1						
28	1	114770-61190	WASHER	1	1						
29	1	183250-66500	BRACKET ASSY	1	1						
30	2	183250-66050	HANDLE, REGULATOR	1	1						
31	2	183250-66070	SHAFT, HANDLE	1	1						
32	2	183250-66100	BRACKET, RADIATOR	1	1						
33	2	114250-66440	BOLT, ADJUSTING	1	1						
34	2	104200-66820	SPRING	1	1						
35	2	104200-66830	PLATE, FRICTION	2	2						
36	2	104200-66850	WASHER	1	1						
37	2	26696-100002	NUT, LOCK M10	1	1						
38	2	26757-060002	NUT, LOCK M6	1	1						
39	1	26106-060452	SCREW, TAPPING M6X14	1	1						
40	1	26476-060142	SCREW, TAPPING M6X14	1	1						
41	1	114770-66010	SPRING, REGULATOR	1	1						
42	1	114250-66200	SPRING, RETURN	1	1						
43	1	114770-66550	LIMITER ASSY, FUEL	1	1						
48	1	26696-100002	NUT, LOCK M10	1	1						
49	1	135210-61090	LEAD	2	2						
50	1	22451-060000	WIRE, 0.6	2	2						

Remarks
(G) THESE PARTS ARE SOLD BY FIG.11,
REF.NO.15,16.

Fig.7. COOLING & STARTING DEVICE

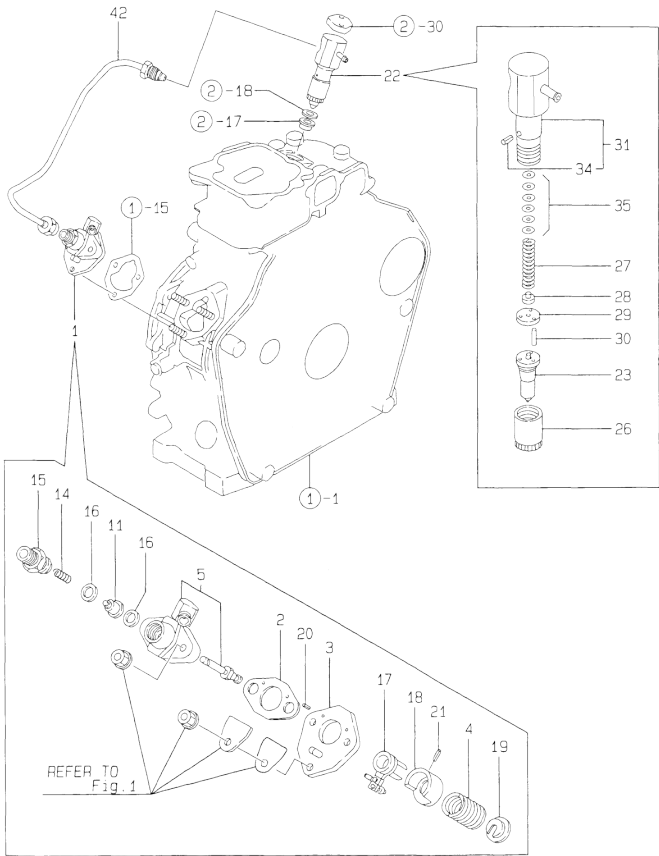
7.COOLING & STARTING DEVICE



No.	Lev.	Parts No.	Description	(A)=L40AE-D(EGTM (B)=L48AE-D(EGTM (C)=L60AE-D(EGTM						(D)=L70AE-D(EGTM (E)=L90AE-D(EGTM (F)=L100AE(EGTM						I	R
				Q'ty													
				(A)	(B)	(C)	(D)	(E)	(F)								
1	1	114250-45211	COVER	1	1												
2	1	26476-060142	SCREW, TAPPING M6X14	1	1												
3	1	114788-45100-R	CASE, COOLING FAN	1	1												
4	1	114250-45300	ABSORBER	4	4												
5	1	114250-45310	COLLAR	4	4												
6	1	114250-45330	SEAL, FAN CASE L=875	1	1												
7	1	114370-45350	BOLT	4	4												
8	1	114260-76050	STARTER ASSY, RECOIL	1	1												
9	2	114260-76250	STARTER ASSY, RECOIL	1	1												
10	3	114260-76520	CASE, STARTER	1	1												
11	3	160260-76520	REEL	1	1												
12	3	160260-76530	RATCHET	1	1												
13	3	160260-76540	SPRING, SPIRAL	1	1												
14	3	160260-76550	WASHER, THRUST	1	1												
15	3	160260-76560	SPRING, FRICTION	1	1												
16	3	160290-76570	SPRING, RETURN	1	1												
17	3	160260-76580	COVER	1	1												
18	3	160260-76590	PLATE, FRICTION	1	1												
19	3	160260-76600	CIRCLIP	1	1												
21	3	160260-76620	KNOB, STARTER	1	1												
22	3	160260-76630	ROPE, STARTER	1	1												
23	2	114250-76590	PULLEY, STARTER	1	1												
24	1	26106-060082	BOLT, M6X 8 PLATED	4	4												
25	1	26106-060122	BOLT, M6X 12 PLATED	3	3												

Fig.8. FUEL INJECTION PUMP

8.FUEL INJECTION PUMP



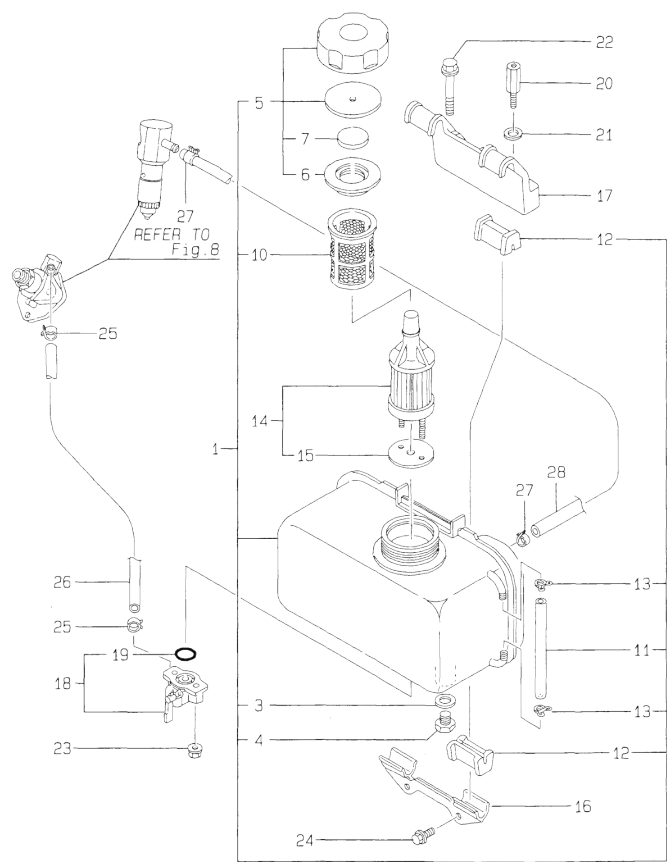
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714250-51710	PUMP ASSY, INJECTION	1							
1B	1	714770-51740	PUMP ASSY, INJECTION		1						
2	2	105546-51020	GASKET	1	1						
3	2	114250-51080	PLATE	1	1						
4	2	114250-51160	SPRING, PLUNGER	1	1						
5A	2	114250-51400	BODY ASSY, PUMP	1							
5B	2	183250-51400	BODY ASSY, PUMP		1						
11	2	114250-51300	VALVE ASSY, DELIVERY	1	1						
14	2	105546-51330	SPRING, DELIVERY	1	1						
15	2	114250-51340	HOLDER, DELIVERY	1	1						
16	2	124550-51350	GASKET, DELIVERY	2	2						
17	2	114250-51600	LEVER ASSY, CONTROL	1	1						
18	2	114250-51640	SEAT, SPRING A	1	1						
19	2	114250-51650	SEAT, SPRING B	1	1						
20	2	22351-020006	PIN, SPRING 2.0X 6	2	2						
21	2	22351-030008	PIN, SPRING 3.0X 8	1	1						
22	1	714250-53101	VALVE ASSY, INJECTION	1	1						
23	2	114250-53001	VALVE ASSY, INJECTION	1	1						
26	2	114250-53080	NUT, NOZZLE D16.95	1	1						
27	2	114250-53120	SPRING, NOZZLE	1	1						
28	2	114250-53130	SEAT, SPRING	1	1						
29	2	114250-53140	PLATE	1	1						
30	2	114250-53210	PIN	2	2						
31	2	114250-53300	HOLDER ASSY, NOZZLE	1	1						
34	3	114250-53331	PIN	1	1						
35	2	114250-53400	SHIM SET	1	1						
42	1	114250-59800	PIPE ASSY, INJECTION	1	1						

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{NO}{YES}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{NO}{YES}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.9. FUEL TANK &FUEL LINE

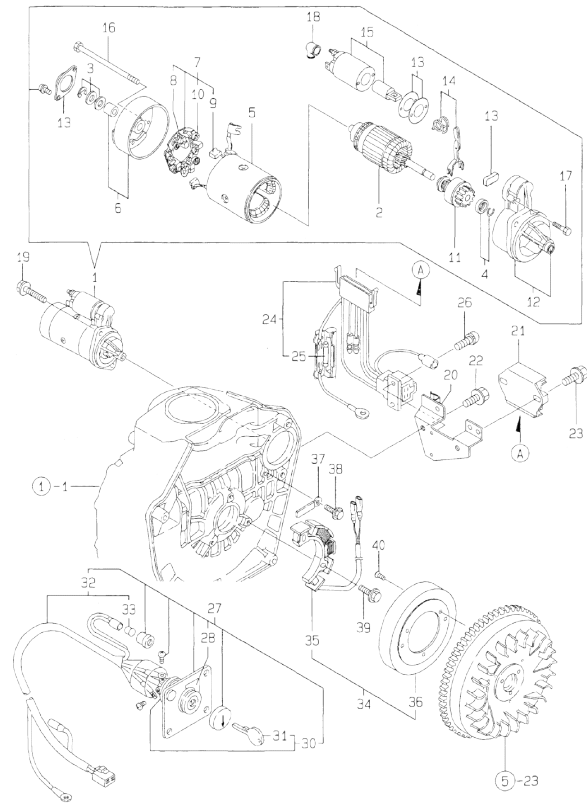
9.FUEL TANK & FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714250-55711-R	TANK ASSY, FUEL	1	1						
3	2	23414-120000	GASKET, 12X1.0	1	1						
4	2	23887-120002	PLUG, 12	1	1						
5	2	114250-55041	CAP ASSY	1	1						
6	3	114250-55050	GASKET	1	1						
7	3	114250-55060	SEAL	1	1						
10	2	114250-55100	FILTER, FUEL	1	1						
11	2	114250-55150	GAUGE, LEVEL	1	1						
12	2	114250-55201	DAMPER, FUEL TANK	4	4						
13	2	124722-59050	CLIP, HOSE 9	2	2						
14	1	114250-55121	FILTER ASSY, FUEL	1	1						
15	2	114250-55130	GASKET	1	1						
16	1	114250-55211	STAY, FUEL TANK	1	1						
17	1	114250-55231	STAY, FUEL TANK	1	1						
18	1	114250-55300	COCK ASSY, FUEL	1	1						
19	2	24341-000150	O-RING, 1AS15.0	1	1						
20	1	114650-55810	BOLT	1	1						
21	1	22117-080000	WASHER, 8	1	1						
22	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
23	1	26366-060002	NUT, M6	2	2						
24	1	26476-060142	SCREW, TAPPING M6X14	2	2						
25	1	106990-44660	CLIP, HOSE 12.5	2	2						
26	1	114250-59050	PIPE, FUEL L=46	1	1						
27	1	124722-59050	CLIP, HOSE 9	2	2						
28	1	114250-59060	PIPE, FUEL RETURN	1	1						

Fig.10. STARTING MOTOR & DYNAMO

10. STARTING MOTOR & DYNAMO

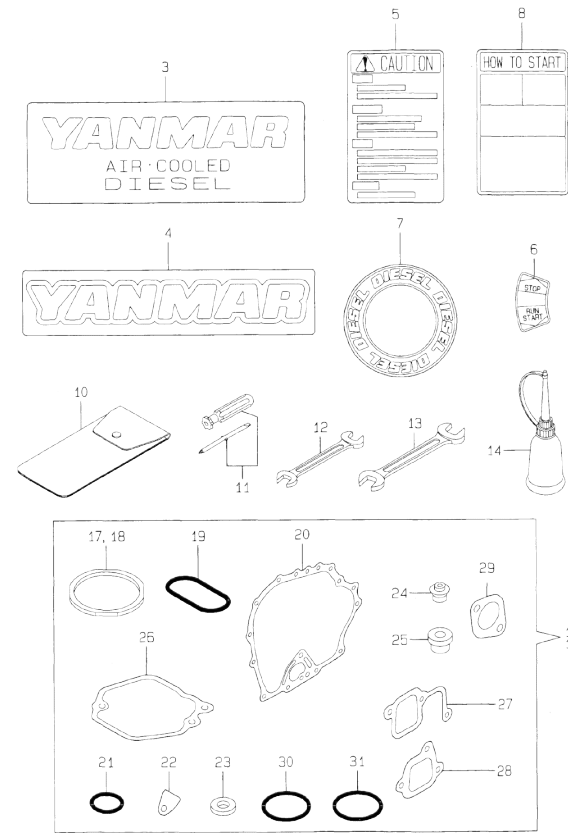


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114362-77011	STARTER(HITACHI 12V	1	1						1
2	2	114381-77110	ARMATURE	1	1						
3	2	X2114811000	WASHER KIT, THRUST	1	1						
4	2	X2114715500	STOPPER SET, PINION	1	1						
5	2	114381-77130	COIL ASSY, FIELD	1	1						
6	2	114381-77140	COVER, REAR	1	1						
7	2	114371-77160	HOLDER ASSY, BRUSH	1	1						
8	3	114371-79040	BRUSH (-)	2	2						
9	3	114371-79050	BRUSH (+)	1	1						
10	3	114371-79060	SPRING, BRUSH	4	4						
11	2	X2114455080	PINION ASSY	1	1						
12	2	114381-77150	HOUSING ASSY, GEAR	1	1						
13	2	114371-77170	COVER KIT, DUST	1	1						
14	2	X2114560130	LEVER KIT, SHIFT	1	1						
15	2	X2114275010	SWITCH ASSY, MAGNET	1	1						
16	2	X2114680050	BOLT, THROUGH	2	2						
17	2	114371-79070	BOLT M 6X 37	2	2						
18	2	X2114274200	COVER, TERMINAL	1	1						
19	1	26106-100302	BOLT, M10X 30 PLATED	2	2						1
20	1	114385-77400	BRACKET	1	1						2
21	1	119660-77710	LIMITER, CURRENT 15A	1	1						2
22	1	26106-060122	BOLT, M6X 12 PLATED	2	2						2
23	1	26106-060202	BOLT, M6X 20 PLATED	2	2						2
24	1	114351-77540	HARNESS, WIRE	1	1						2
25	2	29411-150000	FUSE, CARTRIDGE 15A	2	2						2
26	1	114351-77550	SCREW, M4X6	2	2						2
27	1	114351-77500	PANEL ASSY	1	1						2
28	2	105198-07120	LABEL, STARTER	1	1						2
30	2	106100-77620	SWITCH, KEY	1	1						2
31	3	106100-77630	KEY, SWITCH	1	1						2
32	2	114351-77700	HARNESS, WIRE	1	1						2
33	3	29220-083200	BULB (12V/3.4W)	1	1						2
34	1	114351-78261	DYNAMO ASSY	1	1						2
35	2	114351-78771	STATOR ASSY	1	1						2
36	2	114351-78781	WHEEL, DYNAMO	1	1						2
37	1	160710-78710	CLAMP, CORD	1	1						2
38	1	26476-060142	SCREW, TAPPING M6X14	1	1						2
39	1	26476-060202	SCREW, TAPPING M6X20	3	3						2
40	1	26577-060142	SCREW M 6X 14	3	3						2

Remarks
(1) FOR L40AE-DEGTM,L48AE-DEGTM.
(2) FOR L48AE-DEGTM.

Fig.11. TOOL,LABEL & GASKET SET

11.TOOL, LABEL & GASKET SET



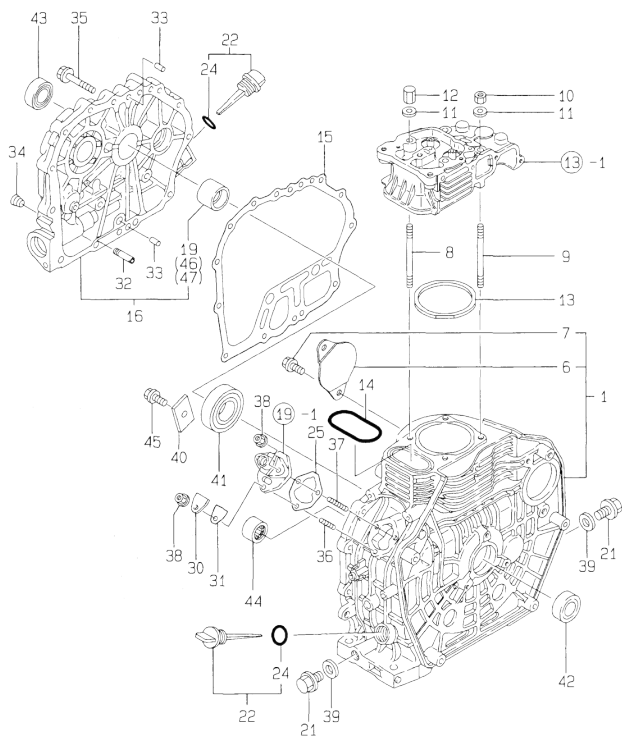
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	114250-07090	LABEL, AIR COOLED	1	1						
4	1	114250-07111	LABEL, YANMAR	1	1						
5	1	114268-07240	LABEL, CAUTION	1	1						
6	1	183250-07230	LABEL, OPERATION	1	1						
7	1	114261-07350	LABEL	1	1						
8	1	114268-07350	LABEL, HOW TO START	1	1						
10	1	114250-92600	BAG, TOOL	1	1						
11	1	160330-92730	DRIVE, SCREW	1	1						
12	1	28110-100120	SPANNER, 10X12	1	1						
13	1	28110-140170	SPANNER, 14X17	1	1						
14	1	28210-000150	OILER	1	1						
15	1	714250-92602	GASKET SET	1							1
16	1	714770-92601	GASKET SET		1						1
17	2	114250-01340	GASKET, HEAD	1							
18	2	114770-01340	GASKET, HEAD		1						
19	2	114250-01380	O-RING	1	1						
20	2	114250-01412	GASKET, CRANK CASE	1	1						
21	2	24311-000180	O-RING, 1AP18.0	2	2						
22	2	114250-01841	GASKET	1	1						
23	2	22190-160002	WASHER, SEAL 16	2	2						
24	2	114250-11340	SEAL, VALVE STEM	2	2						
25	2	114250-11460	GASKET, NOZZLE	1	1						
26	2	114250-11311	GASKET, BONNET	1	1						
27	2	114250-12201	GASKET	1	1						
28	2	114250-12211	GASKET, AIR CLEANER	1	1						
29	2	114250-13201	GASKET, MUFFLER	1	1						
30	2	103338-32570	O-RING	1	1						
31	2	24341-000224	O-RING, 1AS22.4	1	1						

Remarks
(1) OPTIONAL PARTS.

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.12. CYLINDER BLOCK

12.CYLINDER BLOCK

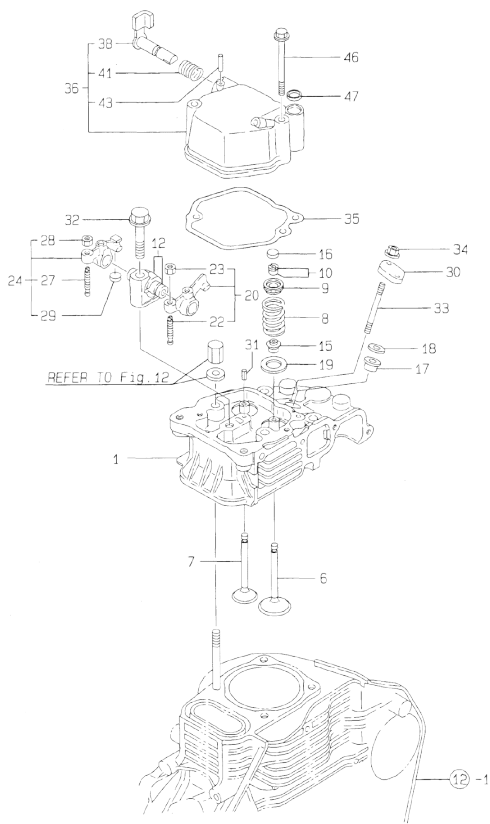


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714371-01560	BLOCK ASSY, CYLINDER			1					
1B	1	714871-01560	BLOCK ASSY, CYLINDER				1				
6	2	114350-01700	COVER			1	1				
7	2	26106-100122	BOLT, M10X 12 PLATED			2	2				
8	1	114350-01200	BOLT, HEAD			2	2				
9	1	114350-01210	BOLT, HEAD			2	2				
10	1	114350-01220	NUT, CYLINDER HEAD			2	2				
11	1	105225-01240	WASHER			4	4				
12	1	114350-01250	NUT, CYLINDER HEAD			2	2				
13A	1	114350-01340	GASKET, HEAD			1					G
13B	1	114870-01340	GASKET, HEAD				1				G
14	1	114350-01380	O-RING			1	1				G
15	1	114350-01412	GASKET, CRANK CASE			1	1				G
16	1	114368-01453	COVER, CRANK CASE			1	1				
19	2	114350-02100	BEARING, MAIN			1	1				1
21	1	105425-01690	PLUG, 16			2	2				
22	1	160910-01740	CAP ASSY			2	2				
24	2	24311-000180	O-RING, 1AP18.0			2	2				G
25	1	114250-01800	SHIM SET			1	1				
30	1	114250-01830	COVER			1	1				
31	1	114250-01841	GASKET			1	1				G
32	1	114250-35150	PIPE, OIL INLET			1	1				
33	1	114270-01600	PIN, M8X12			2	2				
34	1	23871-010000	PLUG, R01			1	1				
35	1	26106-080352	BOLT, M8X 35 PLATED			15	15				
36	1	26226-060182	STUD, M6X 18			1	1				
37	1	26226-060222	STUD, M6X 22			2	2				
38	1	26366-060002	NUT, M6			3	3				
39	1	22190-160002	WASHER, SEAL 16			2	2				G
40	1	114250-02030	RETAINER, BEARING			1	1				
41	1	114350-02113	BEARING, B35-135G3C3			1	1				
42	1	160110-02220	SEAL, OIL			1	1				
43	1	160110-02220	SEAL, OIL			1	1				
44	1	24162-152112	BEARING, 152112			1	1				
45	1	26106-080122	BOLT, M8X 12 PLATED			1	1				
46	1	114350-02200	BEARING, 0.25 US			1	1				2
47	1	114350-02210	BEARING, 0.50 US			1	1				2

Remarks
(1) REPAIR PART.
(2) UNDER-SIZED PART.
(G) THESE PARTS ARE SOLD BY FIG.22,
REF.NO.15,16.

Fig.13. CYLINDER HEAD & BONNET

13.CYLINDER HEAD & BONNET



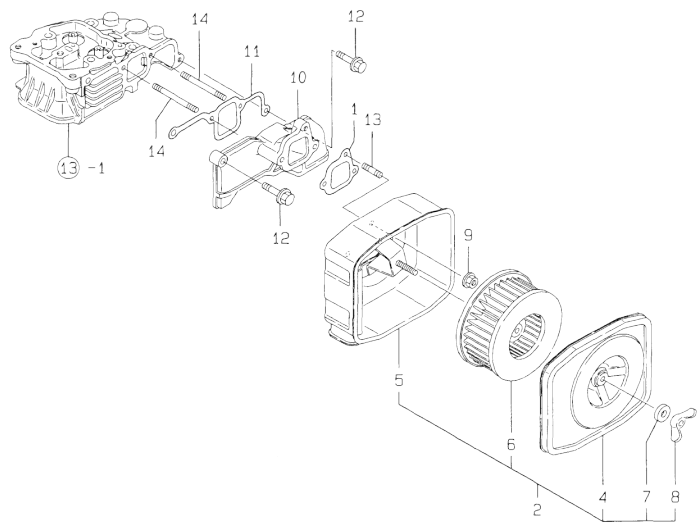
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114870-11021	HEAD ASSY, CYLINDER			1	1				
6	1	114350-11101	VALVE, INTAKE			1	1				
7	1	114350-11113	VALVE, EXHAUST			1	1				
8	1	114350-11120	SPRING, VALVE			2	2				
9	1	101158-11180	RETAINER, SPRING			2	2				
10	1	27310-060001	COTTER, 6			2	2				
12	1	114250-11290	SUPPORT, ROCKER ARM			1	1				
15	1	114350-11340	SEAL, VALVE STEM			2	2				G
16	1	105010-11490	CAP, VALVE			1	1				
17	1	114250-11460	GASKET, NOZZLE			1	1				G
18	1	114350-11470	SPACER, NOZZLE			1	1				
19	1	114250-11600	WASHER			2	2				
20	1	114250-11651	ARM, ROCKER			1	1				
22	2	114250-11240	SCREW, VALVE ADJUST			1	1				
23	2	26756-060002	NUT, LOCK M6			1	1				
24	1	714370-11660	ARM ASSY, ROCKER			1	1				
27	2	114250-11240	SCREW, VALVE ADJUST			1	1				
28	2	26756-060002	NUT, LOCK M6			1	1				
29	2	105010-11490	CAP, VALVE			1	1				
30	1	114250-11900	RETAINER, NOZZLE			1	1				
31	1	22351-040008	PIN, SPRING 4.0X 8			1	1				
32	1	26106-080452	BOLT, M8X 45 PLATED			1	1				
33	1	26226-060502	STUD, M6X 50			2	2				
34	1	26366-060002	NUT, M6			2	2				
35	1	114250-11311	GASKET, BONNET			1	1				G
36	1	114250-11951	BONNET ASSY, HEAD			1	1				
38	2	114250-03591	LEVER ASSY			1	1				
41	2	114250-03640	SPRING, DECOMPRESSION			1	1				
43	2	22312-030160	PIN, PARALLEL M3X16			1	1				
46	1	26106-060552	BOLT, M6X 55 PLATED			1	1				
47	1	129100-61850	PLUG, 12			1	1				

Remarks
(G) THESE PARTS ARE SOLD BY FIG.22.
REF.NO.15,16.

OCR10-M46200

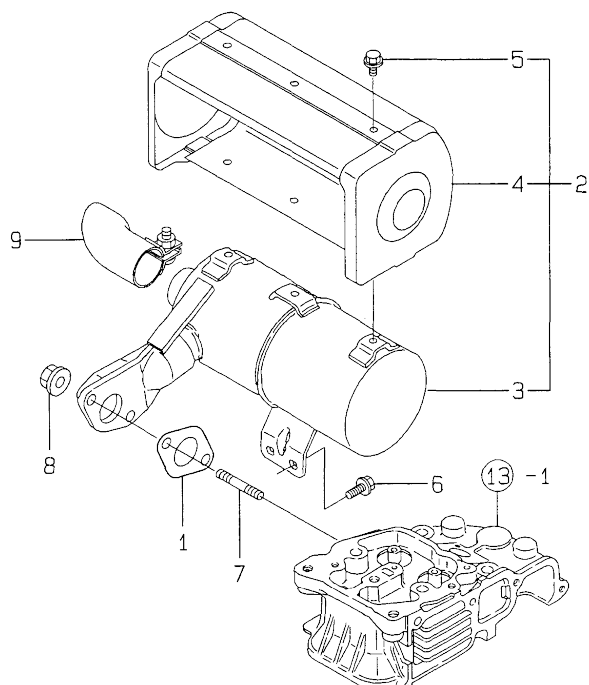
Fig.14. AIR CLEANER

14. AIR CLEANER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-12211	GASKET, AIR CLEANER			1	1				G
2	1	714250-12560	CLEANER ASSY, AIR			1	1				
4	2	114250-12520	COVER, AIR CREAMER			1	1				
5	2	114250-12530	CASE ASSY, CLEANER			1	1				
6	2	114250-12580	ELEMENT			1	1				
7	2	114250-12560	WASHER, SEAL M6			1	1				
8	2	114250-12550	NUT, WING M6			1	1				
9	1	26366-060002	NUT, M6			3	3				
10	1	114350-12011	PIPE, AIR INTAKE			1	1				
11	1	114350-12202	GASKET, AIR INTAKE			1	1				G
12	1	26106-060252	BOLT, M6X 25 PLATED			2	2				
13	1	26226-060142	STUD, M6X 14			1	1				
14	1	26226-060552	STUD, M6X 55			2	2				

15. MUFFLER

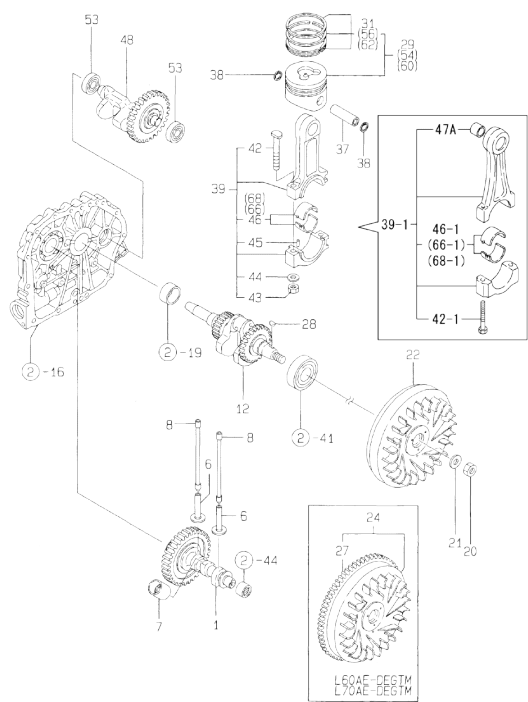


No.	Lev.	Parts No.	Description	(A)=L40AE-D(EGTM (B)=L48AE-D(EGTM (C)=L60AE-D(EGTM		(D)=L70AE-D(EGTM (E)=L90AE-D(EGTM (F)=L100AE-D(EGTM		I	R
				(A)	(B)	(C)	(D)		
1	1	114250-13201	GASKET, MUFFLER			1	1		G
2	1	114368-13500	MUFFLER ASSY			1	1		
3	2	114368-13510	MUFFLER			1	1		
4	2	114268-13700	COVER, SILENCER			1	1		
5	2	26106-060082	BOLT, M6X 8 PLATED			6	6		
6	1	26106-060122	BOLT, M6X 12 PLATED			2	2		
7	1	26216-080182	STUD, M8X 18			2	2		
8	1	26366-080002	NUT, M8			2	2		
9	1	114268-13800	PIPE			1	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

Fig.16. CRANKSHAFT,PISTON & CAMSHAFT

16. CRANKSHAFT, PISTON & CAMSHAFT



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714880-14580	CAMSHAFT ASSY			1	1				
6	1	114250-14200	TAPPET			2	2				
7	1	114250-14260	TAPPET			1	1				
8	1	114350-14450	ROD ASSY, PUSH			2	2				
12	1	714388-21730	CRANKSHAFT ASSY			1	1				
12-1	1	714368-21740	CRANKSHAFT ASSY			1	1			F	6
(C=*1998.11.) (D=*1998.11.)											
20	1	103854-01221	NUT, CYLINDER HEAD			1	1				
21	1	114250-21550	WASHER			1	1				
22	1	114880-21400	FLYWHEEL			1	1				
24	1	114881-21590	FLYWHEEL ASSY			1	1				1
27	2	114362-21600	GEAR, RING			1	1				1
28	1	22512-040120	KEY, 4X 12			1	1				
29A	1	714380-22720	PISTON ASSY, D			1					
29B	1	714880-22720	PISTON ASSY, D				1				
31A	2	714350-22502	RING SET, PISTON			1					
31B	2	714870-22500	RING SET, PISTON				1				
37	1	114350-22301	PIN, PISTON D=21			1	1				
38	1	22252-000210	RING, 21			2	2				
39	1	714350-23704	ROD ASSY, CONNECTING			1	1				
39-1	1	714380-23700	ROD ASSY, CONNECTING			1	1			F	6
(C=*1998.11.) (D=*1998.11.)											
42	2	114250-23200	BOLT, CONNECTING ROD			2	2				
42-1	2	118200-23200	BOLT, CONNECTING ROD			2	2				S
(C=*1998.11.) (D=*1998.11.)											
43	2	114250-23220	NUT			2	2				Z
(C=*1998.11.) (D=*1998.11.)											
44	2	114250-23250	WASHER			2	2				Z
(C=*1998.11.) (D=*1998.11.)											
45	2	22312-030080	PIN, PARALLEL M3X 8			2	2				Z
(C=*1998.11.) (D=*1998.11.)											
46	2	714350-23600	BEARING, CRANK PIN			1	1				
46-1	2	714380-23600	BEARING, CRANK PIN			1	1				S
(C=*1998.11.) (D=*1998.11.)											
47A	2	114380-23100	BEARING, PISTON PIN			1	1				W
(C=*1998.11.) (D=*1998.11.)											
48	1	714350-28520	SHAFT ASSY, BALANCER			1	1				
48-1	1	714870-28510	SHAFT ASSY, BALANCER			1	1			F	6
(C=*1998.11.) (D=*1998.11.)											
53	1	24101-062024	BEARING, BALL 6202			2	2				
54A	1	714380-22620	PISTON ASSY, 0.25 OS			1					2
54B	1	714880-22620	PISTON ASSY, 0.25 OS				1				2
56A	2	714350-22542	RING SET, 0.25 OS			1					2
56B	2	714870-22540	RING SET, 0.25 OS				1				2
60A	1	714380-22580	PISTON ASSY, 0.50 OS			1					3
60B	1	714880-22580	PISTON ASSY, 0.50 OS				1				3
62A	2	714350-22550	RING SET, 0.50 OS			1					3
62B	2	714870-22550	RING SET, 0.50 OS				1				3
66	1	714350-23610	BEARING ASSY, 0.25			1	1				4
66-1	1	714380-23610	METAL ASSY, 0.25			1	1			S	4
(C=*1998.11.) (D=*1998.11.)											

N:Old $\frac{N_{Old}}{100}$ New, Q:Old $\frac{Q_{Old}}{100}$ New, R:Old $\frac{R_{Old}}{100}$ New, S:Old $\frac{S_{Old}}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Exploded view diagram of a mechanical assembly, likely a pump or motor, showing various components and their assembly sequence. The diagram includes a main assembly view on the left and several detailed sub-assembly views on the right. Components are labeled with numbers and part numbers in parentheses.

Main Assembly View (Left):

- 2-16: Main housing/casing.
- 12: Rotor/impeller assembly.
- 2-19: Shaft.
- 2-44: Nut/bushing.
- 7: Bolt.
- 1: Bolt.
- 6: Bolt.
- 9: Bolt.
- 8: Bolt.

Sub-Assembly Views (Right):

- Piston/Cylinder Assembly (Top Right):**
 - 38: Piston.
 - 39: Piston pin.
 - 42: Piston pin.
 - 43: Piston pin.
 - 44: Piston pin.
 - 45: Piston pin.
 - 46-1 (66-1) (68-1): Piston pin.
 - 47A: Piston pin.
 - 37: Bolt.
 - 38: Bolt.
 - 21: Bolt.
 - 29 (34) (50): Bolt.
- Valve Assembly (Bottom Right):**
 - 20: Valve.
 - 21: Bolt.
 - 24: Valve.
 - 27: Valve.
- Rotor/Impeller Assembly (Middle Right):**
 - 22: Rotor/impeller.
 - 41: Bolt.
 - 42-1: Bolt.

Legend:

LEQAE-DESTM
LYQAE-DESTM

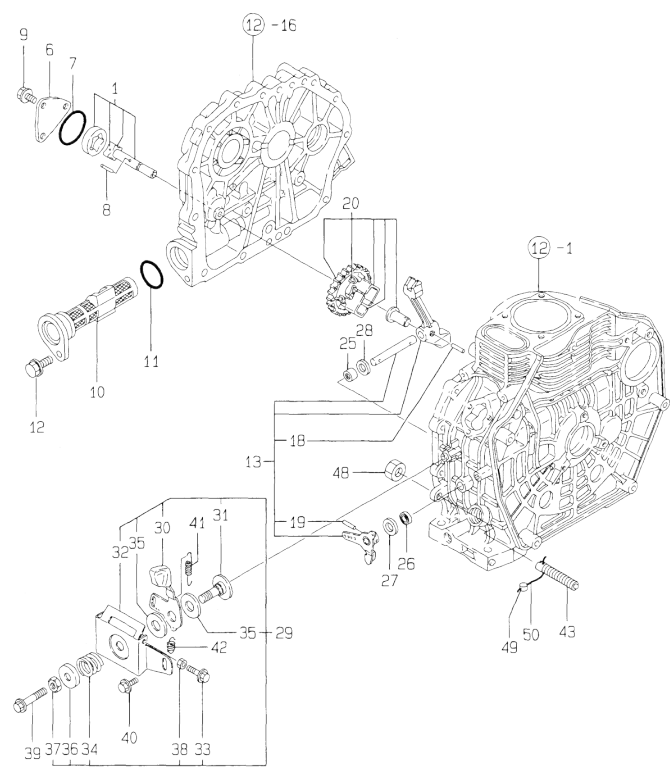
Remarks
(1)FOR L60AE-DEGTM,L70AE-DEGTM.
(2)OVER-SIZE(O.S=0.25)PART.
(3)OVER-SIZE(O.S=0.50)PART.
(4)UNDER-SIZE(U.S=0.25)PART.
(5)UNDER-SIZE(U.S=0.50)PART.
(6) REF.NO.12-1,39-1 & 48-1
INTERCHANGEABLE BY SET.

				(A)=L40AE-D/EGTM (B)=L48AE-D/EGTM (C)=L60AE-D/EGTM	(D)=L70AE-D/EGTM (E)=L90AE-D/EGTM (F)=L100AE-D/EGTM							
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R	
68	1	714350-23620	BEARING, 0.50 US			1	1				5	
68-1	1	714380-23620	BEARING, 0.50 US (C=1998.11.) (D=1998.11.)			1	1			S	5	

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

Fig.17. LUB.OIL PUMP & GOVERNOR

17.LUB.OIL PUMP & GOVERNOR

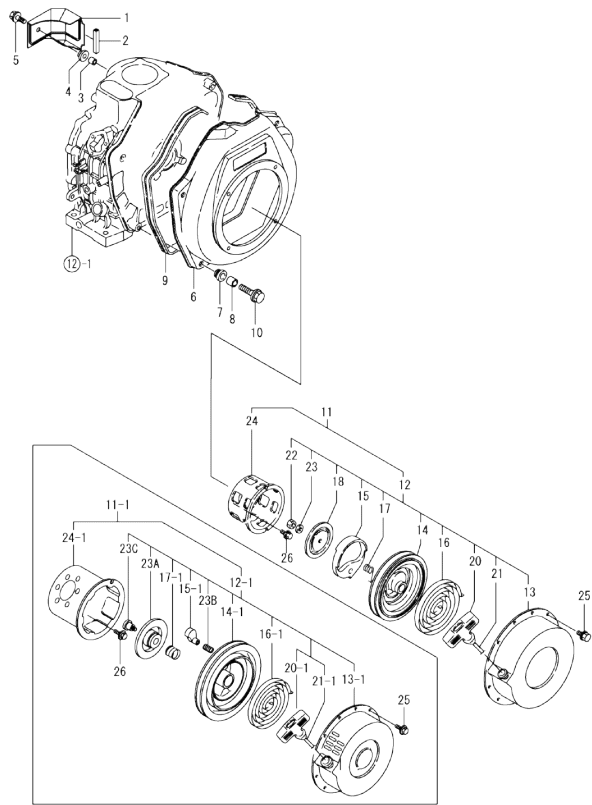


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-32010	PUMP ASSY, OIL			1	1				
6	1	114250-32070	COVER			1	1				
7	1	103338-32570	O-RING			1	1				G
8	1	22312-030160	PIN, PARALLEL M3X16			1	1				
9	1	26476-060142	SCREW, TAPPING M6X14			3	3				
10	1	114250-35070	FILTER, OIL			1	1				
11	1	24341-000224	O-RING, 1AS22.4			1	1				
12	1	26106-060162	BOLT, M6X 16 PLATED			1	1				
13	1	714350-61500	LEVER ASSY, GOVERNOR			1	1				
18	2	22322-030200	PIN, TAPER 3X20			1	1				
19	2	22322-030200	PIN, TAPER 3X20			1	1				
20	1	714770-61700	GOVERNOR ASSY			1	1				
25	1	114270-61520	BEARING, NEEDLE 8			2	2				
26	1	114770-61600	SEAL, OIL			1	1				
27	1	114770-61610	WASHER, THRUST			1	1				
28	1	114770-61190	WASHER			1	1				
29	1	183250-66500	BRACKET ASSY			1	1				
30	2	183250-66050	HANDLE, REGULATOR			1	1				
31	2	183250-66070	SHAFT, HANDLE			1	1				
32	2	183250-66100	BRACKET, RADIATOR			1	1				
33	2	114250-66440	BOLT, ADJUSTING			1	1				
34	2	104200-66820	SPRING			1	1				
35	2	104200-66830	PLATE, FRICTION			2	2				
36	2	104200-66850	WASHER			1	1				
37	2	26696-100002	NUT, LOCK M10			1	1				
38	2	26757-060002	NUT, LOCK M6			1	1				
39	1	26106-060452	BOLT, M6X 45 PLATED			1	1				
40	1	26476-060142	SCREW, TAPPING M6X14			1	1				
41	1	114870-66010	SPRING, REGULATOR			1	1				
42	1	114250-66200	SPRING, RETURN			1	1				
43	1	114250-66550	LIMITER ASSY, FUEL			1	1				
48	1	26696-100002	NUT, LOCK M10			1	1				
49	1	135210-61090	LEAD			2	2				
50	1	22451-060000	WIRE, 0.6			2	2				

Remarks
(G) THESE PARTS ARE SOLD BY FIG.22,
REF.NO.15,16.

Fig.18. COOLING & STARTING DEVICE

18. COOLING & STARTING DEVICE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114870-45201	COVER			1	1				
2	1	114350-45320	RUBBER, SEAL			1	1				
3	1	114350-45340	COLLAR			1	1				
4	1	183720-55210	GROMMET			1	1				
5	1	26476-060202	SCREW, TAPPING M6X20			1	1				
6	1	114888-45100	CASE, COOLING FAN			1	1				
7	1	114250-45300	ABSORBER			4	4				
8	1	114250-45310	COLLAR			4	4				
9	1	114250-45330	SEAL, FAN CASE L=875			1	1				
10	1	114370-45350	BOLT			4	4				
11	1	114880-76050	STARTER ASSY, RECOIL			1	1				
11-1	1	114880-76051	STARTER ASSY, RECOIL			1	1			R	1
			(C=EZZZZZ) (D=EZZZZZ)								
12	2	114880-76250	STARTER ASSY, RECOIL			1	1				
12-1	2	114880-76251	STARTER ASSY, RECOIL			1	1			S	
			(C=EZZZZZ) (D=EZZZZZ)								
13	3	114880-76510	CASE, STARTER			1	1				
13-1	3	114880-76511	CASE, STARTER			1	1			S	
			(C=EZZZZZ) (D=EZZZZZ)								
14	3	160810-76520	REEL			1	1				
14-1	3	114880-76520	REEL			1	1			S	
			(C=EZZZZZ) (D=EZZZZZ)								
15	3	160840-76530	RATCHET			1	1				
15-1	3	114870-76530	RATCHET			2	2			S	
			(C=EZZZZZ) (D=EZZZZZ)								
16	3	160810-76540	SPRING, SPIRAL			1	1				
16-1	3	114870-76540	SPRING, SPIRAL			1	1			S	
			(C=EZZZZZ) (D=EZZZZZ)								
17	3	160840-76560	SPRING, FRICTION			1	1				
17-1	3	114870-76560	SPRING, FRICTION			1	1			S	
			(C=EZZZZZ) (D=EZZZZZ)								
18	3	160810-76580	PLATE, FRICTION			1	1			Z	
			(C=EZZZZZ) (D=EZZZZZ)								
20	3	160810-76620	KNOB, STARTER			1	1				
20-1	4	114870-76620	KNOB, STARTER			1	1			S	
			(C=EZZZZZ) (D=EZZZZZ)								
21	3	160810-76630	ROPE, STARTER			1	1				
21-1	4	114870-76630	ROPE, STARTER			1	1			S	
			(C=EZZZZZ) (D=EZZZZZ)								
22	3	181130-76680	NUT			1	1			Z	
			(C=EZZZZZ) (D=EZZZZZ)								
23	3	181130-76700	WASHER			1	1			Z	
			(C=EZZZZZ) (D=EZZZZZ)								
23A	3	114880-76550	GUIDE, RATCHET			1	1			W	
			(C=EZZZZZ) (D=EZZZZZ)								
23B	3	114870-76570	SPRING, RETURN			2	2			W	
			(C=EZZZZZ) (D=EZZZZZ)								
23C	3	114870-76580	SCREW			1	1			W	
			(C=EZZZZZ) (D=EZZZZZ)								
24	2	114350-76590	PULLEY, STARTER			1	1				
24-1	2	114350-76591	PULLEY, STARTER			1	1			S	

N:Old $\xrightarrow{\text{New}}$ New, Q:Old $\xrightarrow{\text{New}}$ New, R:Old $\xrightarrow{\text{New}}$ New, S:Old $\xrightarrow{\text{New}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.18. COOLING & STARTING DEVICE

This diagram is an exploded view of a mechanical assembly, possibly a pump or motor. The main components are labeled as follows:

- 1**: Main housing or casing.
- 2**: A small pin or screw.
- 3**: A small component, possibly a seal or O-ring.
- 4**: A small component, possibly a seal or O-ring.
- 5**: A small component, possibly a seal or O-ring.
- 6**: A small component, possibly a seal or O-ring.
- 7**: A small component, possibly a seal or O-ring.
- 8**: A small component, possibly a seal or O-ring.
- 9**: A small component, possibly a seal or O-ring.
- 10**: A small component, possibly a seal or O-ring.
- 11**: A rotor assembly.
- 11-1**: A rotor assembly.
- 12**: A rotor assembly.
- 12-1**: A rotor assembly.
- 13**: A rotor assembly.
- 13-1**: A rotor assembly.
- 14**: A rotor assembly.
- 14-1**: A rotor assembly.
- 15**: A rotor assembly.
- 15-1**: A rotor assembly.
- 16**: A rotor assembly.
- 16-1**: A rotor assembly.
- 17**: A rotor assembly.
- 17-1**: A rotor assembly.
- 18**: A rotor assembly.
- 18-1**: A rotor assembly.
- 19**: A rotor assembly.
- 19-1**: A rotor assembly.
- 20**: A rotor assembly.
- 20-1**: A rotor assembly.
- 21**: A rotor assembly.
- 21-1**: A rotor assembly.
- 22**: A rotor assembly.
- 22-1**: A rotor assembly.
- 23**: A rotor assembly.
- 23-1**: A rotor assembly.
- 24**: A rotor assembly.
- 24-1**: A rotor assembly.
- 25**: A rotor assembly.
- 25-1**: A rotor assembly.

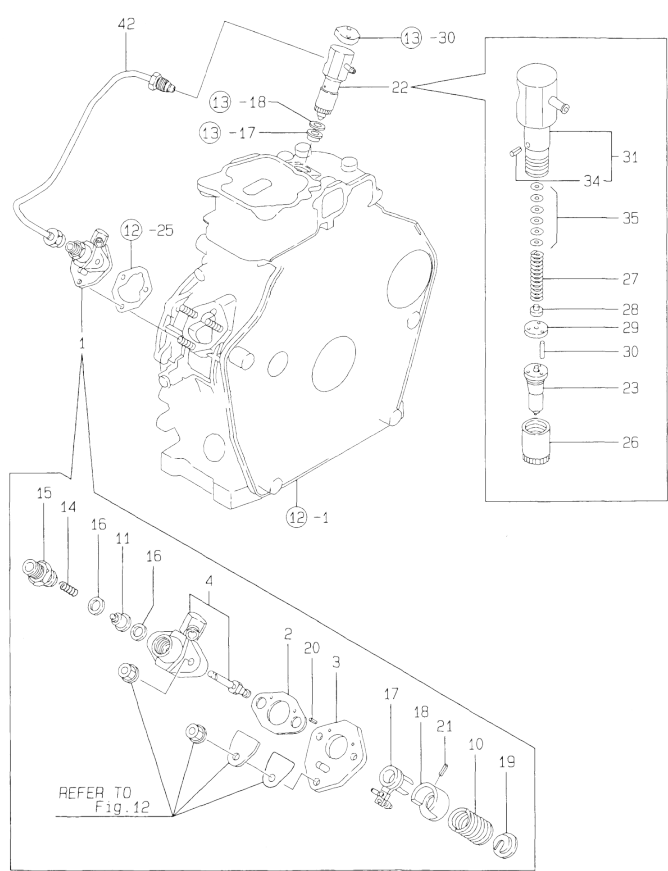
Remarks
(1) Interchangeable by simultaneous replacement with Ref.12-1 and Ref.24-1.

[illegible]

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

Fig.19. FUEL INJECTION PUMP

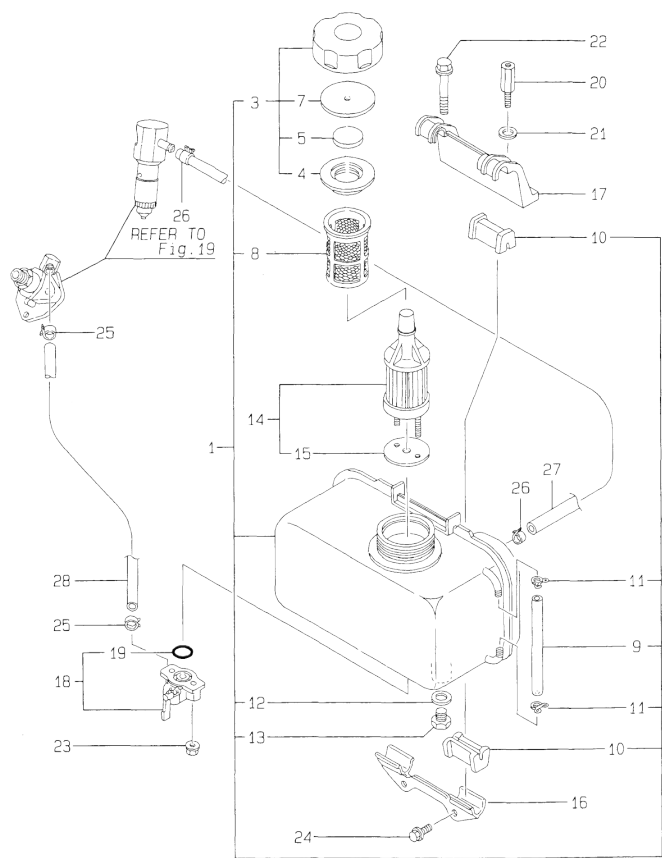
19.FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714350-51710	PUMP ASSY, INJECTION			1					
1B	1	783350-51740	PUMP ASSY, INJECTION				1				
2	2	105546-51020	GASKET			1	1				
3	2	114250-51080	PLATE				1	1			
4A	2	114350-51400	BODY ASSY, PUMP			1					
4B	2	183350-51400	BODY ASSY, PUMP				1				
10	2	114250-51160	SPRING, PLUNGER			1	1				
11	2	114250-51300	VALVE ASSY, DELIVERY			1	1				
14	2	105546-51330	SPRING, DELIVERY			1	1				
15	2	114250-51340	HOLDER, DELIVERY			1	1				
16	2	124550-51350	GASKET, DELIVERY			2	2				
17	2	114250-51600	LEVER ASSY, CONTROL			1	1				
18	2	114250-51640	SEAT, SPRING A			1	1				
19	2	114250-51650	SEAT, SPRING B			1	1				
20	2	22351-020006	PIN, SPRING 2.0X 6			2	2				
21	2	22351-030008	PIN, SPRING 3.0X 8			1	1				
22	1	714870-53100	VALVE ASSY, INJECTION			1	1				
23	2	114870-53000	VALVE ASSY, INJECTION			1	1				
26	2	114250-53080	NUT, NOZZLE D16.95			1	1				
27	2	114250-53120	SPRING, NOZZLE			1	1				
28	2	114250-53130	SEAT, SPRING			1	1				
29	2	114250-53140	PLATE			1	1				
30	2	114250-53210	PIN			2	2				
31	2	114250-53300	HOLDER ASSY, NOZZLE			1	1				
34	3	114250-53331	PIN			1	1				
35	2	114250-53400	SHIM SET			1	1				
42	1	114350-59800	PIPE ASSY, INJECTION			1	1				

Fig.20. FUEL TANK & FUEL LINE

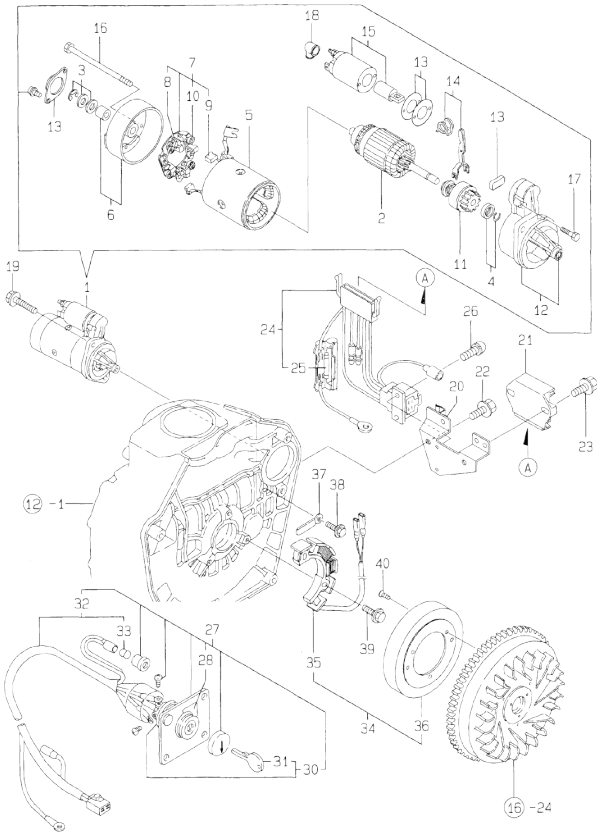
20.FUEL TANK & FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714350-55711	TANK ASSY, FUEL			1	1				
3	2	114250-55041	CAP ASSY			1	1				
4	3	114250-55050	GASKET			1	1				
5	3	114250-55060	SEAL			1	1				
7	3	114250-55080	SEAT			1	1				
8	2	114250-55100	FILTER, FUEL			1	1				
9	2	114350-55150	GAUGE, LEVEL			1	1				
10	2	114250-55201	DAMPER, FUEL TANK			4	4				
11	2	124722-59050	CLIP, HOSE 9			2	2				
12	2	23414-120000	GASKET, 12X1.0			1	1				
13	2	23887-120002	PLUG, 12			1	1				
14	1	114250-55121	FILTER ASSY, FUEL			1	1				
15	2	114250-55130	GASKET			1	1				
16	1	114250-55211	STAY, FUEL TANK			1	1				
17	1	114350-55231	STAY, FUEL TANK			1	1				
18	1	114250-55300	COCK ASSY, FUEL			1	1				
19	2	24341-000150	O-RING, 1AS15.0			1	1				
20	1	114650-55810	BOLT			1	1				
21	1	22117-080000	WASHER, 8			1	1				
22	1	26106-080452	BOLT, M8X 45 PLATED			1	1				
23	1	26366-060002	NUT, M6			2	2				
24	1	26476-060142	SCREW, TAPPING M6X14			2	2				
25	1	106990-44660	CLIP, HOSE 12.5			2	2				
26	1	124722-59050	CLIP, HOSE 9			2	2				
27	1	114250-59060	PIPE, FUEL RETURN			1	1				
28	1	114268-59060	PIPE, FUEL L=50			1	1				

Fig.21. STARTING MOTOR & DYNANO

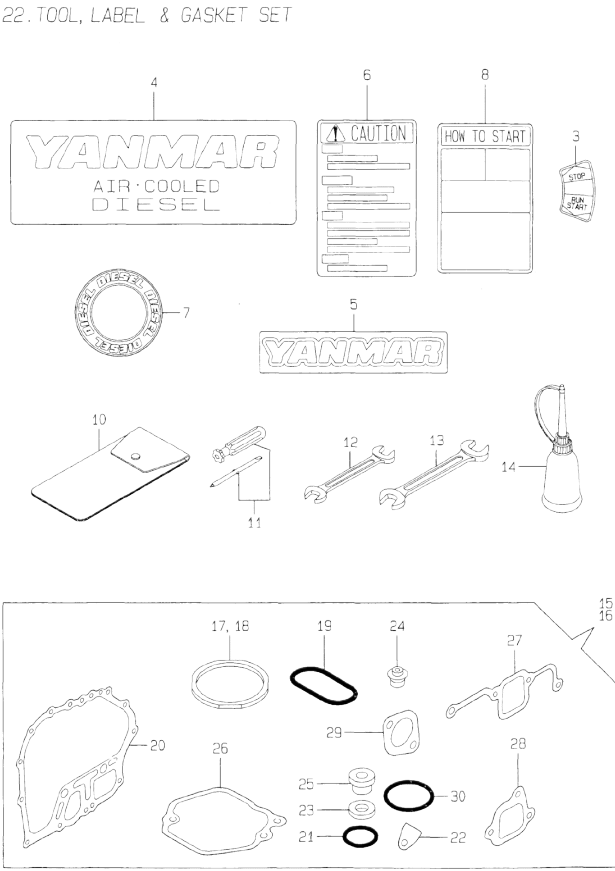
21.STARTING MOTOR & DYNAMO



Remarks
(1) FOR L60AE-DEGTM,L70AE-DEGTM.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114362-77011	STARTER(HITACHI 12V			1	1				1
2	2	114381-77110	ARMATURE			1	1				
3	2	X2114811000	WASHER KIT, THRUST			1	1				
4	2	X2114715500	STOPPER SET, PINION			1	1				
5	2	114381-77130	COIL ASSY, FIELD			1	1				
6	2	114381-77140	COVER, REAR			1	1				
7	2	114371-77160	HOLDER ASSY, BRUSH			1	1				
8	3	114371-79040	BRUSH (-)			2	2				
9	3	114371-79050	BRUSH (+)			1	1				
10	3	114371-79060	SPRING, BRUSH			4	4				
11	2	X2114455080	PINION ASSY			1	1				
12	2	114381-77150	HOUSING ASSY, GEAR			1	1				
13	2	114371-77170	COVER KIT, DUST			1	1				
14	2	X2114560130	LEVER KIT, SHIFT			1	1				
15	2	X2114275010	SWITCH ASSY, MAGNET			1	1				
16	2	X2114680050	BOLT, THROUGH			2	2				
17	2	114371-79070	BOLT M 6X 37			2	2				
18	2	X2114274200	COVER, TERMINAL			1	1				
19	1	26106-100302	BOLT, M10X 30 PLATED			2	2				1
20	1	114385-77400	BRACKET			1	1				1
21	1	119660-77710	LIMITER, CURRENT 15A			1	1				1
22	1	26106-060122	BOLT, M6X 12 PLATED			2	2				1
23	1	26106-060202	BOLT, M6X 20 PLATED			2	2				1
24	1	114351-77540	HARNESS, WIRE			1	1				1
25	2	29411-150000	FUSE, CARTRIDGE 15A			2	2				1
26	1	114351-77550	SCREW, M4X6			2	2				1
27	1	114351-77500	PANEL ASSY			1	1				1
28	2	105198-07120	LABEL, STARTER			1	1				1
30	2	106100-77620	SWITCH, KEY			1	1				1
31	3	106100-77630	KEY, SWITCH			1	1				1
32	2	114351-77700	HARNESS, WIRE			1	1				1
33	3	29220-083200	BULB (12V/3.4W)			1	1				1
34	1	114351-78261	DYNAMO ASSY			1	1				1
35	2	114351-78771	STATOR ASSY			1	1				1
36	2	114351-78781	WHEEL, DYNAMO			1	1				1
37	1	160710-78710	CLAMP, CORD			1	1				1
38	1	26476-060142	SCREW, TAPPING M6X14			1	1				1
39	1	26476-060202	SCREW, TAPPING M6X20			3	3				1
40	1	26577-060142	SCREW M 6X 14			3	3				1

Fig.22. TOOL,LABEL & GASKET SET

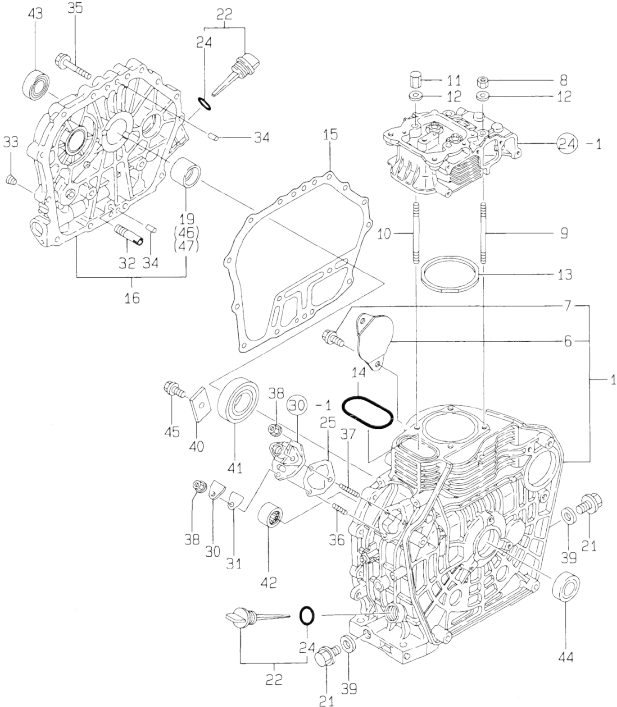


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	183250-07230	LABEL, OPERATION			1	1				
4	1	114250-07090	LABEL, AIR COOLED			1	1				
5	1	114250-07111	LABEL, YANMAR			1	1				
6	1	114268-07240	LABEL, CAUTION			1	1				
7	1	114261-07350	LABEL			1	1				
8	1	114268-07350	LABEL, HOW TO START			1	1				
10	1	114250-92600	BAG, TOOL			1	1				
11	1	160330-92730	DRIVE, SCREW			1	1				
12	1	28110-100120	SPANNER, 10X12			1	1				
13	1	28110-140170	SPANNER, 14X17			1	1				
14	1	28210-000150	OILER			1	1				
15	1	714386-92600	GASKET SET			1					1
16	1	714888-92600	GASKET SET				1				1
17	2	114350-01340	GASKET, HEAD			1					
18	2	114870-01340	GASKET, HEAD				1				
19	2	114350-01380	O-RING			1	1				
20	2	114350-01412	GASKET, CRANK CASE			1	1				
21	2	24311-000180	O-RING, 1AP18.0			2	2				
22	2	114250-01841	GASKET			1	1				
23	2	22190-160002	WASHER, SEAL 16			2	2				
24	2	114350-11340	SEAL, VALVE STEM			2	2				
25	2	114250-11460	GASKET, NOZZLE			1	1				
26	2	114250-11311	GASKET, BONNET			1	1				
27	2	114350-12202	GASKET, AIR INTAKE			1	1				
28	2	114250-12211	GASKET, AIR CLEANER			1	1				
29	2	114250-13201	GASKET, MUFFLER			1	1				
30	2	103338-32570	O-RING			1	1				

Remarks
(1) OPTIONAL PARTS.

Fig.23. CYLINDER BLOCK

23.CYLINDER BLOCK

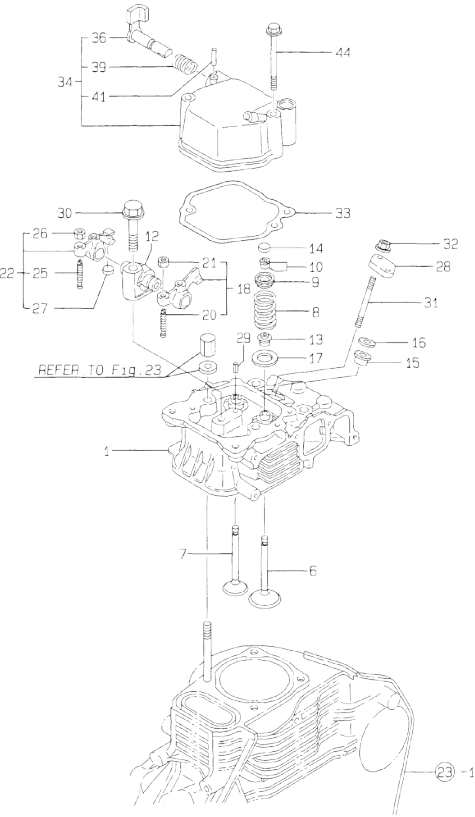


Remarks
(1) REPAIR PART.
(2) UNDER-SIZED PART.
(G) THESE PARTS ARE SOLD BY FIG.33,
REF.NO.15,16.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714671-01560	BLOCK ASSY, CYLINDER					1			
1B	1	714970-01560	BLOCK ASSY, CYLINDER						1		
6	2	114350-01700	COVER					1	1		
7	2	26106-100122	BOLT, M10X 12 PLATED					2	2		
8	1	105025-01220	NUT, CYLINDER HEAD					2	2		
9	1	114650-01230	BOLT, HEAD					2	2		
10	1	114650-01240	BOLT, HEAD					2	2		
11	1	114650-01250	NUT, CYLINDER HEAD					2	2		
12	1	114650-01260	WASHER					4	4		
13A	1	114650-01340	GASKET, HEAD					1			G
13B	1	114970-01340	GASKET, HEAD						1		G
14	1	114650-01380	O-RING					1	1		G
15	1	114650-01412	GASKET, CRANK CASE					1	1		G
16	1	114660-01471	COVER, CRANK CASE					1	1		
19	2	114650-02100	BEARING, MAIN					1	1		1
21	1	105425-01690	PLUG, 16					2	2		
22	1	160910-01740	CAP ASSY					2	2		
24	2	24311-000180	O-RING, 1AP18.0					2	2		G
25	1	114250-01800	SHIM SET					1	1		
30	1	114250-01830	COVER					1	1		
31	1	114250-01841	GASKET					1	1		G
32	1	114250-35150	PIPE, OIL INLET					1	1		
33	1	23871-010000	PLUG, R01					1	1		
34	1	114270-01600	PIN, M8X12					2	2		
35	1	26106-080352	BOLT, M8X 35 PLATED					16	16		
36	1	26226-060182	STUD, M6X 18					1	1		
37	1	26226-060222	STUD, M6X 22					2	2		
38	1	26366-060002	NUT, M6					3	3		
39	1	22190-160002	WASHER, SEAL 16					2	2		G
40	1	114250-02030	RETAINER, BEARING					1	1		
41	1	114650-02150	BEARING, HR6308G3C3					1	1		
42	1	24162-152112	BEARING, 152112					1	1		
43	1	24423-355008	SEAL, OIL TC355008					1	1		
44	1	24423-355008	SEAL, OIL TC355008					1	1		
45	1	26106-080122	BOLT, M8X 12 PLATED					1	1		
46	1	114650-02200	BEARING, 0.25 US					1	1		2
47	1	114650-02210	BEARING, 0.50 US					1	1		2

Fig.24. CYLINDER HEAD & BONNET

24.CYLINDER HEAD & BONNET

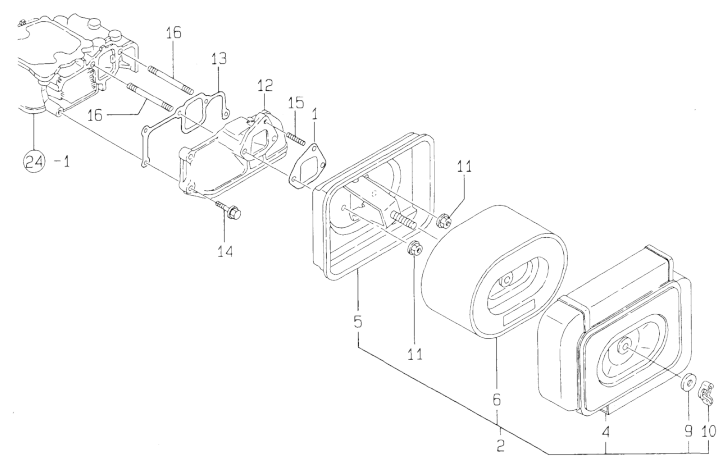


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114650-11010	HEAD ASSY, CYLINDER					1	1		
6	1	114650-11100	VALVE, INTAKE					1	1		
7	1	114654-11110	VALVE, EXHAUST					1	1		
8	1	114650-11121	SPRING, VALVE					2	2		
9	1	119620-11180	RETAINER, SPRING					2	2		
10	1	27310-070001	COTTER, 7					2	2		
12	1	114650-11261	SUPPORT, ROCKER ARM					1	1		
13	1	114650-11340	SEAL, VALVE STEM					2	2		G
14	1	104211-11370	CAP, VALVE					1	1		
15	1	114250-11460	GASKET, NOZZLE					1	1		G
16	1	114350-11470	SPACER, NOZZLE					1	1		
17	1	114650-11600	WASHER					2	2		
18	1	114650-11652	ARM, ROCKER					1	1		
20	2	114250-11240	SCREW, VALVE ADJUST					1	1		
21	2	26756-060002	NUT, LOCK M6					1	1		
22	1	714670-11660	ARM ASSY, ROCKER					1	1		
25	2	114250-11240	SCREW, VALVE ADJUST					1	1		
26	2	26756-060002	NUT, LOCK M6					1	1		
27	2	104211-11370	CAP, VALVE					1	1		
28	1	114250-11900	RETAINER, NOZZLE					1	1		
29	1	22351-040008	PIN, SPRING 4.0X 8					1	1		
30	1	26106-100552	BOLT, M10X 55 PLATED					1	1		
31	1	26226-060502	STUD, M6X 50					2	2		
32	1	26366-060002	NUT, M6					2	2		
33	1	114650-11311	GASKET, BONNET					1	1		G
34	1	114650-11951	BONNET ASSY, HEAD					1	1		
36	2	114250-03591	LEVER ASSY					1	1		
39	2	114250-03640	SPRING, DECOMPRESSION					1	1		
41	2	22312-030160	PIN, PARALLEL M3X16					1	1		
44	1	26106-060702	BOLT, M6X 70 PLATED					2	2		

Remarks
(G) THESE PARTS ARE SOLD BY FIG.33,
REF.NO.15,16.

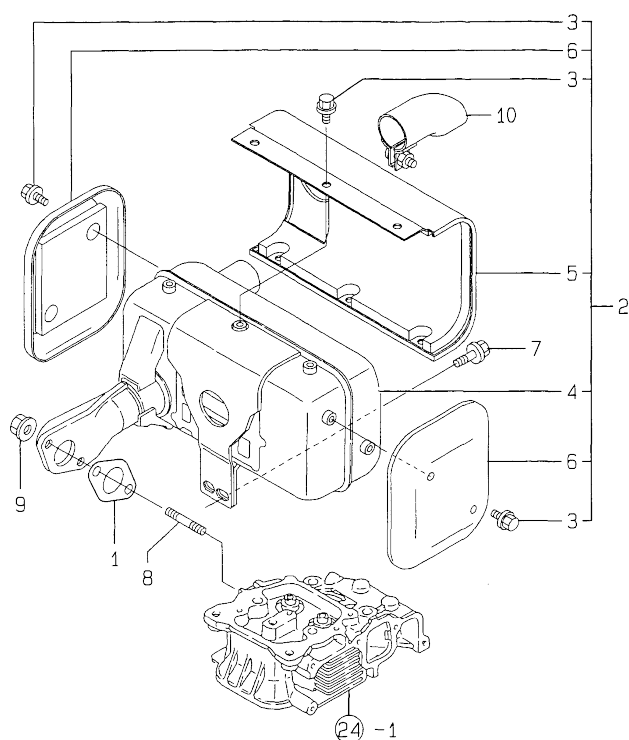
Fig.25. AIR CLEANER

25.AIR CLEANER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114650-12211	GASKET, AIR CLEANER					1	1		G
2	1	714650-12560	CLEANER ASSY, AIR					1	1		
4	2	114650-12520	COVER, AIR CREAMER					1	1		
5	2	114650-12530	CASE ASSY, CLEANER					1	1		
6	2	114650-12590	ELEMENT ASSY					1	1		
9	2	114252-12560	WASHER, SEAL M8					1	1		
10	2	114252-12550	NUT, WING M8					1	1		
11	1	26366-060002	NUT, M6					3	3		
12	1	114650-12020	PIPE, AIR INTAKE					1	1		
13	1	114650-12301	GASKET					1	1		G
14	1	26106-060252	BOLT, M6X 25 PLATED					3	3		
15	1	26226-060142	STUD, M6X 14					1	1		
16	1	26226-060752	STUD, M6X 75					2	2		

26. MUFFLER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114650-13201	GASKET, MUFFLER					1	1		G
2	1	114970-13550	MUFFLER ASSY					1	1		
3	2	160260-01580	BOLT, FLANGE M6X6					10	10		
4	2	114970-13560	MUFFLER					1	1		
5	2	114970-13700	COVER					1	1		
6	2	114970-13710	COVER					2	2		
7	1	26106-080182	BOLT, M8X 18 PLATED					2	2		
8	1	26226-080202	STUD, M8X 20					2	2		
9	1	26366-080002	NUT, M8					2	2		
10	1	114658-13800	PIPE					1	1		

N:Old

YES

NO

New

Q:Old

100

YES

New

R:Old

YES

NO

New

S:Old

100

YES

New

W:Add.

Z:Discontinued

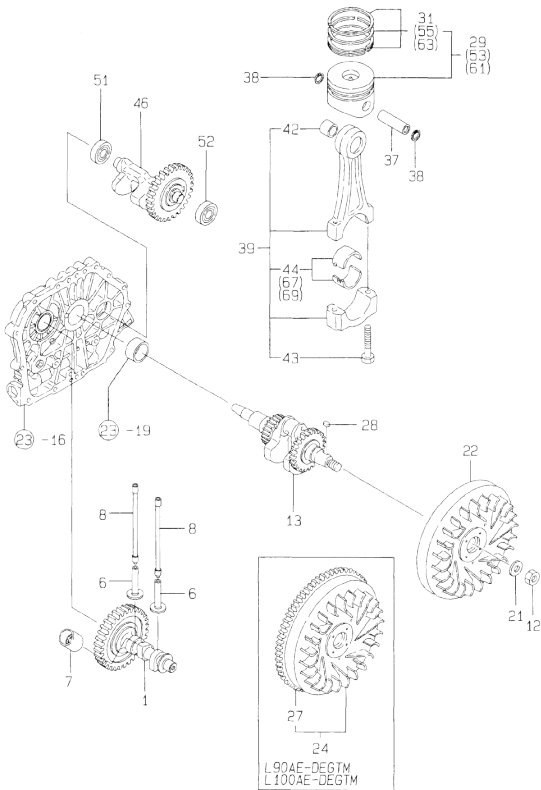
F:Interchangeable by set

K:Q'ty Change

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Fig.27. CRANKSHAFT,PISTON & CAMSHAFT

27.CRANKSHAFT, PISTON & CAMSHAFT



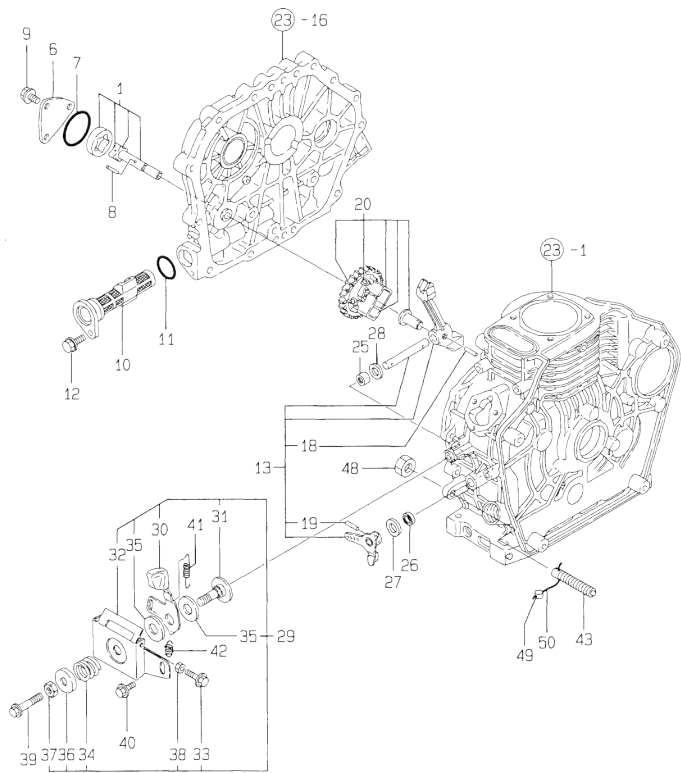
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714689-14580	CAMSHAFT ASSY					1	1		
6	1	114650-14200	TAPPET					2	2		
7	1	114250-14260	TAPPET					1	1		
8	1	114650-14401	ROD ASSY, PUSH					2	2		
12	1	122710-01220	NUT, CYLINDER HEAD					1	1		
13	1	714689-21730	CRANKSHAFT ASSY					1	1		
21	1	114650-21551	WASHER					1	1		
22	1	114660-21401	FLYWHEEL					1	1		
24	1	114662-21592	FLYWHEEL ASSY					1	1		1
27	2	114662-21601	GEAR, RING					1	1		1
28	1	22512-050140	KEY, 5X 14					1	1		
29A	1	714660-22723	PISTON ASSY, D					1			
29B	1	714980-22720	PISTON ASSY, D						1		
31A	2	714650-22502	RING SET, PISTON					1			
31B	2	714970-22500	RING SET, PISTON						1		
37	1	114650-22300	PIN, PISTON D=23					1	1		
38	1	129792-22400	CIRCLIP, 23					2	2		
39	1	714650-23700	ROD ASSY, CONNECTING					1	1		
42	2	124060-23100	BEARING, PISTON PIN					1	1		
43	2	104200-23201	BOLT, CONNECTING ROD					2	2		
44	2	714650-23600	BEARING, CRANK PIN					1	1		
46	1	714970-28511	SHAFT ASSY, BALANCER					1	1		
51	1	24101-062034	BEARING, BALL 6203					1	1		
52	1	24101-063034	BEARING, BALL 6303					1	1		
53A	1	714660-22623	PISTON ASSY, 0.25 OS					1			2
53B	1	714980-22620	PISTON ASSY, 0.25 OS						1		2
55A	2	714650-22542	RING SET, 0.25 OS					1			2
55B	2	714970-22540	RING SET, 0.25 OS						1		2
61A	1	714660-22580	PISTON ASSY, 0.50 OS					1			2
61B	1	714980-22580	PISTON ASSY, 0.50 OS						1		2
63A	2	714650-22550	RING SET, 0.50 OS					1			2
63B	2	714970-22550	RING SET, 0.50 OS						1		2
67	1	714650-23610	BEARING ASSY, 0.25					1	1		3
69	1	714650-23620	BEARING, 0.50 US					1	1		3

Remarks
(1) FOR L90AE-DEGTM,L100AE-DEGTM.
(2) OVER-SIZED PART.
(3) UNDER-SIZED PART.

OCR10-M46200

Fig.28. LUB.OIL PUMP & GOVERNOR

28.LUB.OIL PUMP & GOVERNOR



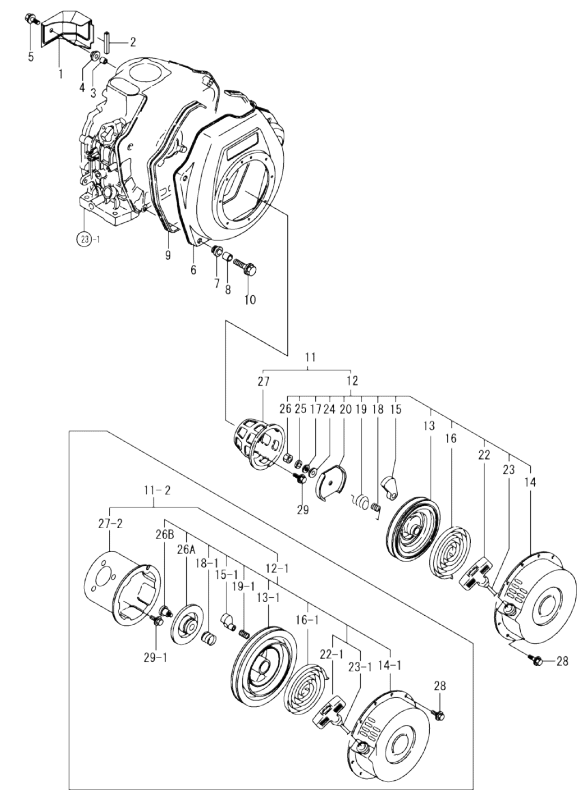
Remarks
(G) THESE PARTS ARE SOLD BY FIG.33,
REF.NO.15,16.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114650-32010	PUMP ASSY, OIL					1	1		
6	1	114250-32070	COVER					1	1		
7	1	103338-32570	O-RING					1	1		G
8	1	22312-030160	PIN, PARALLEL M3X16					1	1		
9	1	26476-060142	SCREW, TAPPING M6X14					3	3		
10	1	114250-35070	FILTER, OIL					1	1		
11	1	24341-000224	O-RING, 1AS22.4					1	1		
12	1	26106-060162	BOLT, M6X 16 PLATED					1	1		
13	1	714650-61500	LEVER ASSY, GOVERNOR					1	1		
18	2	22322-030200	PIN, TAPER 3X20					1	1		
19	2	22322-030200	PIN, TAPER 3X20					1	1		
20	1	714685-61700	GOVERNOR ASSY					1	1		
25	1	114270-61520	BEARING, NEEDLE 8					2	2		
26	1	114770-61600	SEAL, OIL					1	1		
27	1	114770-61610	WASHER, THRUST					1	1		
28	1	114770-61190	WASHER					1	1		
29	1	183250-66500	BRACKET ASSY					1	1		
30	2	183250-66050	HANDLE, REGULATOR					1	1		
31	2	183250-66070	SHAFT, HANDLE					1	1		
32	2	183250-66100	BRACKET, RADIATOR					1	1		
33	2	114250-66440	BOLT, ADJUSTING					1	1		
34	2	104200-66820	SPRING					1	1		
35	2	104200-66830	PLATE, FRICTION					2	2		
36	2	104200-66850	WASHER					1	1		
37	2	26696-100002	NUT, LOCK M10					1	1		
38	2	26757-060002	NUT, LOCK M6					1	1		
39	1	26106-060452	BOLT, M6X 45 PLATED					1	1		
40	1	26476-060142	SCREW, TAPPING M6X14					1	1		
41	1	114970-66010	SPRING, REGULATOR					1	1		
42	1	114250-66200	SPRING, RETURN					1	1		
43	1	114650-66600	LIMITER ASSY, FUEL					1	1		
48	1	26696-100002	NUT, LOCK M10					1	1		
49	1	135210-61090	LEAD					1	1		
50	1	22451-060000	WIRE, 0.6					1	1		

N:Old $\frac{YBS}{10}$ New, Q:Old $\frac{HIS}{10}$ New, R:Old $\frac{YBS}{10}$ New, S:Old $\frac{HIS}{10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.29. COOLING & STARTING DEVICE

29. COOLING & STARTING DEVICE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114650-45201	COVER					1	1		
2	1	114350-45320	RUBBER, SEAL					1	1		
3	1	114350-45340	COLLAR					1	1		
4	1	183720-55210	GROMMET					1	1		
5	1	26476-060202	SCREW, TAPPING M6X20					1	1		
6	1	114668-45102-R	CASE, COOLING FAN					1	1		
7	1	114250-45300	ABSORBER					4	4		
8	1	114250-45310	COLLAR					4	4		
9	1	114650-45330	SEAL, FAN CASE L=950					1	1		
10	1	114370-45350	BOLT					4	4		
11	1	114660-76050	STARTER ASSY, RECOIL					1	1		
11-1	1	114660-76051	STARTER ASSY, RECOIL					1	1	S	
11-2	1	114660-76052	STARTER ASSY, RECOIL	(E=EZZZZZ)				1	1	R	1
12	2	114660-76250	STARTER ASSY, RECOIL	(E=EZZZZZ)				1	1		
12-1	2	114660-76251	STARTER ASSY, RECOIL					1	1	S	
13	3	114650-76520	REEL	(E=EZZZZZ)				1	1		
13-1	3	114880-76520	REEL					1	1	S	
14	3	114660-76530	CASE, STARTER	(E=EZZZZZ)				1	1		
14-1	3	114660-76531	CASE, STARTER					1	1	S	
15	3	160910-76530	RATCHET	(E=EZZZZZ)				1	1		
15-1	3	114870-76530	RATCHET					2	2	S	
16	3	114650-76540	SPRING, SPIRAL	(E=EZZZZZ)				1	1		
16-1	3	114870-76540	SPRING, SPIRAL					1	1	S	
17	3	160910-76550	WASHER, THRUST	(E=EZZZZZ)				1	1	Z	
18	3	160910-76560	SPRING, FRICTION	(E=EZZZZZ)				1	1		
18-1	3	114870-76560	SPRING, FRICTION					1	1	S	
19	3	160910-76570	SPRING, RETURN	(E=EZZZZZ)				1	1		
19-1	3	114870-76570	SPRING, RETURN					2	2	S	
20	3	160910-76580	PLATE, FRICTION	(E=EZZZZZ)				1	1	Z	
22	3	160910-76620	KNOB, STARTER	(E=EZZZZZ)				1	1		
22-1	4	114870-76620	KNOB, STARTER					1	1	S	
23	3	114650-76630	ROPE, STARTER	(E=EZZZZZ)				1	1		
23-1	4	114650-76631	ROPE, STARTER					1	1	S	
24	3	160910-76650	WASHER, THRUST	(E=EZZZZZ)				1	1	Z	
25	3	22217-060000	WASHER, SPRING 6	(E=EZZZZZ)				1	1	Z	
26	3	26717-060002	NUT, M6					1	1	Z	

Fig.29. COOLING & STARTING DEVICE

This exploded view diagram illustrates the assembly of a vacuum cleaner motor. The components are numbered as follows:

- 1**: Motor housing (main body)
- 2**: Motor housing (top cover)
- 3**: Motor housing (bottom cover)
- 4**: Motor housing (side cover)
- 5**: Motor housing (top cover)
- 6**: Motor housing (bottom cover)
- 7**: Motor housing (side cover)
- 8**: Motor housing (top cover)
- 9**: Motor housing (bottom cover)
- 10**: Motor housing (side cover)
- 11**: Motor housing (main body)
- 12**: Motor housing (top cover)
- 13**: Motor housing (bottom cover)
- 14**: Motor housing (side cover)
- 15**: Motor housing (top cover)
- 16**: Motor housing (bottom cover)
- 17**: Motor housing (side cover)
- 18**: Motor housing (top cover)
- 19**: Motor housing (bottom cover)
- 20**: Motor housing (side cover)
- 21**: Motor housing (top cover)
- 22**: Motor housing (bottom cover)
- 23**: Motor housing (side cover)
- 24**: Motor housing (top cover)
- 25**: Motor housing (bottom cover)
- 26**: Motor housing (side cover)
- 27**: Motor housing (top cover)
- 28**: Motor housing (bottom cover)
- 29**: Motor housing (side cover)

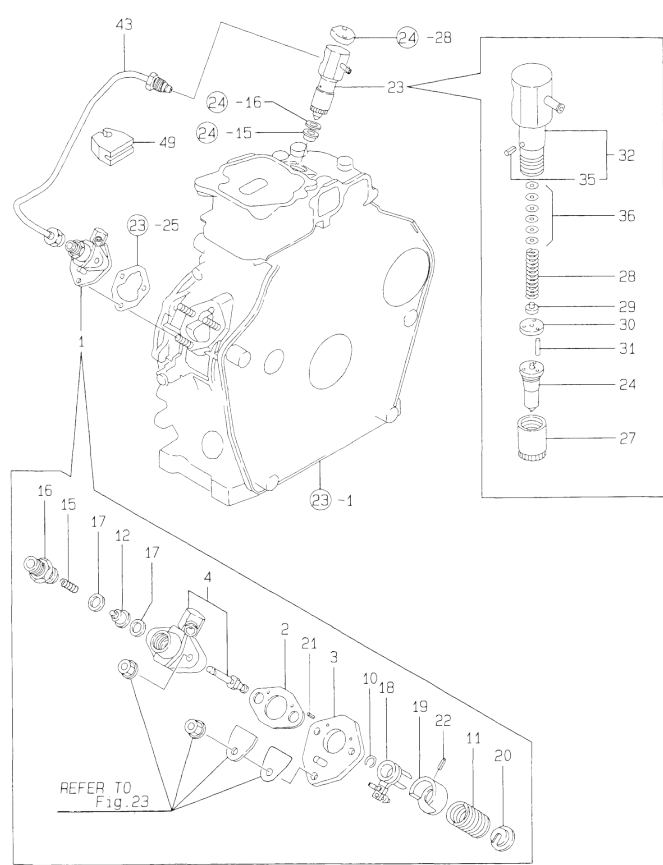
Remarks
(1) Interchangeable by simultaneous replacement with Ref.12-1 and Ref.27-2.

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
26A	3	114880-76550	GUIDE, RATCHET					1	1	W	
26B	3	114870-76580	SCREW		(E=EZZZZZ)			(F=EZZZZZ)		W	
27	2	114660-76590	PULLEY, STARTER					1	1		
27-1	2	114660-76591	PULLEY, STARTER					1	1	S	
27-2	2	114660-76592	PULLEY, STARTER		(E=EZZZZZ)			(F=EZZZZZ)		S	
28	1	26106-060082	BOLT, M6X 8 PLATED					4	4		
29	1	26106-060122	BOLT, M6X 12 PLATED					4	4		
29-1	1	26106-060122	BOLT, M6X 12 PLATED					3	3	K	
					(E=EZZZZZ)			(F=EZZZZZ)			

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:Qty Change

Fig.30. FUEL INJECTION PUMP

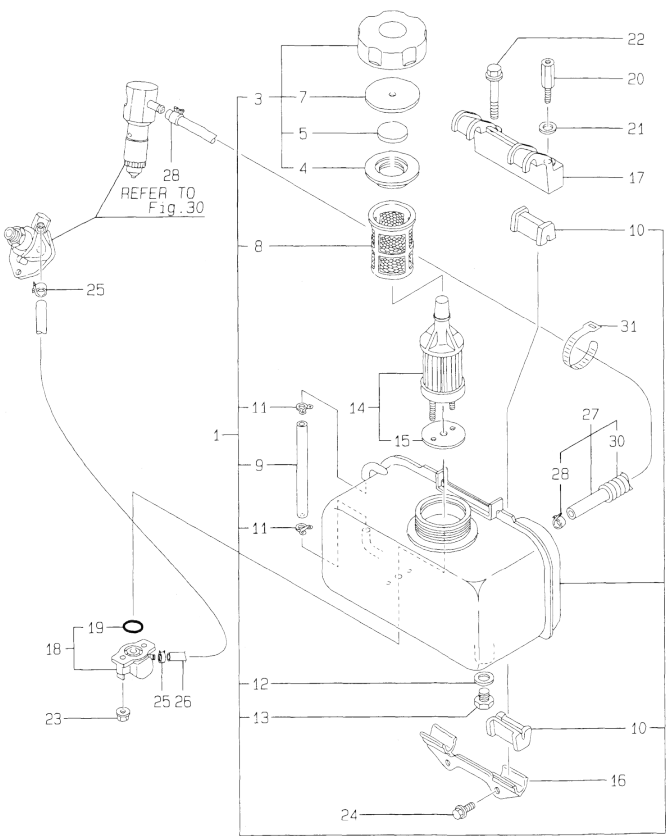
30.FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	783650-51740	PUMP ASSY, INJECTION					1			
1B	1	783986-51740	PUMP ASSY, INJECTION						1		
2	2	105546-51020	GASKET					1	1		
3	2	114250-51080	PLATE					1	1		
4A	2	183650-51400	BODY ASSY, PUMP					1			
4B	2	183986-51400	BODY ASSY, PUMP						1		
10	2	114250-51150	RING, SNAP					1	1		
11	2	114250-51160	SPRING, PLUNGER					1	1		
12	2	114650-51300	VALVE ASSY, DELIVERY					1	1		
15	2	105546-51330	SPRING, DELIVERY					1	1		
16	2	114250-51340	HOLDER, DELIVERY					1	1		
17	2	124550-51350	GASKET, DELIVERY					2	2		
18	2	114250-51600	LEVER ASSY, CONTROL					1	1		
19	2	114250-51640	SEAT, SPRING A					1	1		
20	2	114250-51650	SEAT, SPRING B					1	1		
21	2	22351-020006	PIN, SPRING 2.0X 6					2	2		
22	2	22351-030008	PIN, SPRING 3.0X 8					1	1		
23	1	714650-53100	VALVE ASSY,INJECTION					1	1		
24	2	114650-53000	VALVE ASSY,INJECTION					1	1		
27	2	114250-53080	NUT, NOZZLE D16.95					1	1		
28	2	114250-53120	SPRING, NOZZLE					1	1		
29	2	114250-53130	SEAT, SPRING					1	1		
30	2	114250-53140	PLATE					1	1		
31	2	114250-53210	PIN					2	2		
32	2	114650-53300	HOLDER ASSY, NOZZLE					1	1		
35	3	114250-53331	PIN					1	1		
36	2	114250-53400	SHIM SET					1	1		
43	1	114650-59810	PIPE ASSY, INJECTION					1	1		
49	1	114650-59850	SUPPORT					1	1		

Fig.31. FUEL TANK & FUEL LINE

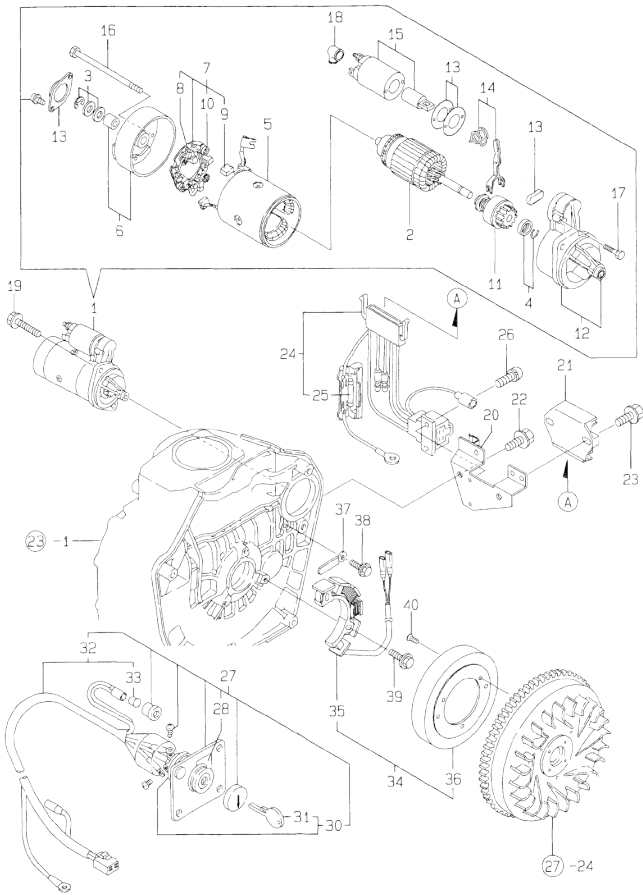
31.FUEL TANK & FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714668-55700	TANK ASSY, FUEL					1	1		
3	2	114250-55041	CAP ASSY					1	1		
4	3	114250-55050	GASKET					1	1		
5	3	114250-55060	SEAL					1	1		
7	3	114250-55080	SEAT					1	1		
8	2	114250-55100	FILTER, FUEL					1	1		
9	2	114650-55150	GAUGE, LEVEL					1	1		
10	2	114250-55201	DAMPER, FUEL TANK					4	4		
11	2	124722-59050	CLIP, HOSE 9					2	2		
12	2	23414-120000	GASKET, 12X1.0					1	1		
13	2	23887-120002	PLUG, 12					1	1		
14	1	114250-55121	FILTER ASSY, FUEL					1	1		
15	2	114250-55130	GASKET					1	1		
16	1	114250-55211	STAY, FUEL TANK					1	1		
17	1	114650-55230	STAY, FUEL TANK					1	1		
18	1	114250-55300	COCK ASSY, FUEL					1	1		
19	2	24341-000150	O-RING, 1AS15.0					1	1		
20	1	114650-55810	BOLT					1	1		
21	1	22117-080000	WASHER, 8					1	1		
22	1	26106-080452	BOLT, M8X 45 PLATED					1	1		
23	1	26366-060002	NUT, M6					2	2		
24	1	26476-060142	SCREW, TAPPING M6X14					2	2		
25	1	106990-44660	CLIP, HOSE 12.5					2	2		
26	1	114250-59050	PIPE, FUEL L=46					1	1		
27	1	114652-59300	PIPE, FUEL RETURN					1	1		
28	2	124722-59050	CLIP, HOSE 9					2	2		
30	2	114652-59310	TUBE, PROTECT					1	1		
31	2	121750-59890	BAND, 140					1	1		

Fig.32. STARTING MOTOR & DYNAMO

32.STARTING MOTOR & DYNAMO



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114362-77011	STARTER(HITACHI 12V					1	1		
2	2	114381-77110	ARMATURE					1	1		
3	2	X2114811000	WASHER KIT, THRUST					1	1		
4	2	X2114715500	STOPPER SET, PINION					1	1		
5	2	114381-77130	COIL ASSY, FIELD					1	1		
6	2	114381-77140	COVER, REAR					1	1		
7	2	114371-77160	HOLDER ASSY, BRUSH					1	1		
8	3	114371-79040	BRUSH (-)					2	2		
9	3	114371-79050	BRUSH (+)					1	1		
10	3	114371-79060	SPRING, BRUSH					4	4		
11	2	X2114455080	PINION ASSY					1	1		
12	2	114381-77150	HOUSING ASSY, GEAR					1	1		
13	2	114371-77170	COVER KIT, DUST					1	1		
14	2	X2114560130	LEVER KIT, SHIFT					1	1		
15	2	X2114275010	SWITCH ASSY, MAGNET					1	1		
16	2	X2114680050	BOLT, THROUGH					2	2		
17	2	114371-79070	BOLT M 6X 37					2	2		
18	2	X2114274200	COVER, TERMINAL					1	1		
19	1	26106-100302	BOLT, M10X 30 PLATED					2	2		
20	1	114385-77400	BRACKET					1	1		
21	1	119660-77710	LIMITER, CURRENT 15A					1	1		
22	1	26106-060122	BOLT, M6X 12 PLATED					2	2		
23	1	26106-060202	BOLT, M6X 20 PLATED					2	2		
24	1	114351-77540	HARNESS, WIRE					1	1		
25	2	29411-150000	FUSE, CARTRIDGE 15A					2	2		
26	1	114351-77550	SCREW, M4X6					2	2		
27	1	114351-77500	PANEL ASSY					1	1		
28	2	105198-07120	LABEL, STARTER					1	1		
30	2	106100-77620	SWITCH, KEY					1	1		
31	3	106100-77630	KEY, SWITCH					1	1		
32	2	114351-77700	HARNESS, WIRE					1	1		
33	3	29220-083200	BULB (12V/3.4W)					1	1		
34	1	114351-78261	DYNAMO ASSY					1	1		
35	2	114351-78771	STATOR ASSY					1	1		
36	2	114351-78781	WHEEL, DYNAMO					1	1		
37	1	160710-78710	CLAMP, CORD					1	1		
38	1	26476-060142	SCREW, TAPPING M6X14					1	1		
39	1	26476-060202	SCREW, TAPPING M6X20					3	3		
40	1	26577-060142	SCREW M 6X 14					3	3		

4

YANMAR

AIR-COOLED
DIESEL

5

CAUTION

8

HOW TO START

3

STOP

YANMAR START

7

YANMAR

5

YANMAR

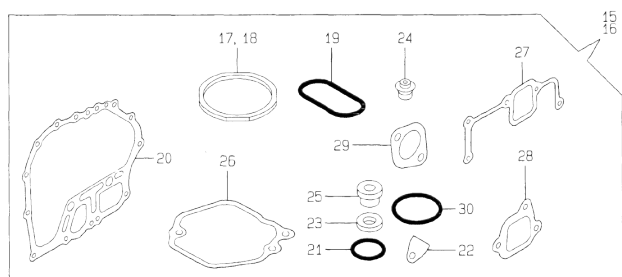
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14

Remarks
(1) OPTIONAL PARTS.

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	183250-07230	LABEL, OPERATION					1	1		
4	1	114250-07090	LABEL, AIR COOLED					1	1		
5	1	114250-07111	LABEL, YANMAR					1	1		
6	1	114268-07240	LABEL, CAUTION					1	1		
7	1	114261-07350	LABEL					1	1		
8	1	114268-07350	LABEL, HOW TO START					1	1		
10	1	114250-92600	BAG, TOOL					1	1		
11	1	160330-92730	DRIVE, SCREW					1	1		
12	1	28110-100120	SPANNER, 10X12					1	1		
13	1	28110-140170	SPANNER, 14X17					1	1		
14	1	28210-000150	OILER					1	1		
15	1	714687-92600	GASKET SET					1			1
16	1	714989-92600	GASKET SET						1		1
17	2	114650-01340	GASKET, HEAD					1			
18	2	114970-01340	GASKET, HEAD						1		
19	2	114650-01380	O-RING					1	1		
20	2	114650-01412	GASKET, CRANK CASE					1	1		
21	2	243111-000180	O-RING, 1AP18.0					2	2		
22	2	114250-01841	GASKET					1	1		
23	2	22190-160002	WASHER, SEAL 16					2	2		
24	2	114650-11340	SEAL, VALVE STEM					2	2		
25	2	114250-11460	GASKET, NOZZLE					1	1		
26	2	114650-11311	GASKET, BONNET					1	1		
27	2	114650-12301	GASKET					1	1		
28	2	114650-12211	GASKET, AIR CLEANER					1	1		
29	2	114650-13201	GASKET, MUFFLER					1	1		
30	2	103338-32570	O-RING					1	1		

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

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103854-01221	5	20
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104200-23201	27	43
104200-66820	6	34
	17	34
	28	34
104200-66830	6	35
	17	35
	28	35
104200-66850	6	36
	17	36
	28	36
104211-11370	24	14
		27
105010-11490	13	16
		29
105025-01220	23	8
105198-07120	10	28
	21	28
	32	28
105225-01240	12	11
105425-01690	1	35
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105546-51020	8	2
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105546-51330	8	14
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114250-01830	1	20
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114250-02200	1	47
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114250-03640	2	41
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114250-07111	11	4
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114250-11101	2	6
114250-11113	2	7
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114250-12211	3	1
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114250-12550	3	8
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114250-51160	8	4
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114650-11951	25	12
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114650-12211	33	28
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	33	27
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114650-12520	25	5
114650-12530	25	6
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114650-14401	27	21
114650-21551	27	37
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114650-76631	29	23 -1
114652-59300	31	27
114652-59310	31	30
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114658-13800	26	10
114660-01471	23	16
114660-21401	27	22
114660-76050	29	11
114660-76051	29	11 -1
114660-76052	29	11 -2
114660-76250	29	12
114660-76251	29	12 -1
114660-76530	29	14
114660-76531	29	14 -1
114660-76590	29	27
114660-76591	29	27 -1
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114662-21592	27	24
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114668-45102-R	29	6
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