

OCR10-M39801EN

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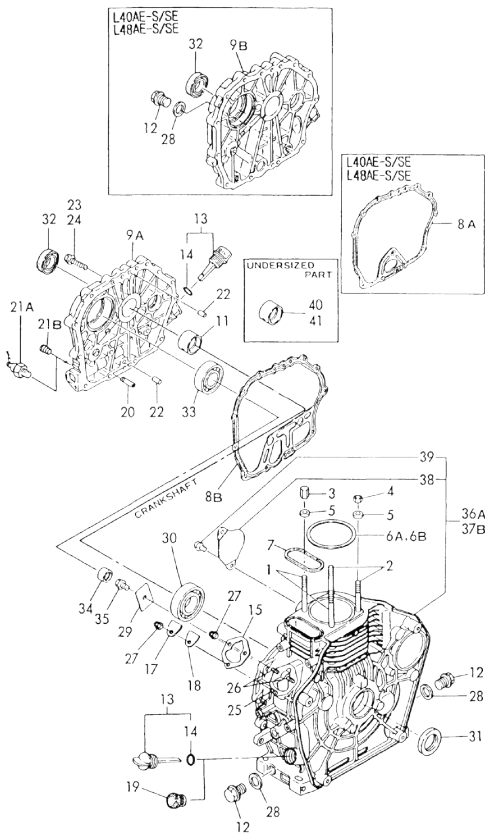
0CR10-M39801

Fig. No.	Fig. Name
L40AE/L48AE-D/S	
1.	CYLINDER BLOCK
2.	CYLINDER HEAD & BONNET
3.	AIR CLEANER & MUFFLER
4.	CAM/CRANK/BARANCER SHAFT
5.	PISTON & ROD
6.	L.O. DEVICE & GOVERNOR CONTROL
7.	COOLING & RECOIL STARTER
8.	FUEL INJECTION PUMP & VALVE
9.	FUEL INJECTION PUMP & VALVE
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12.	STARTING MOTOR & DYNAMO
13.	STARTING MOTOR & DYNAMO
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L60AE/L70AE-D/S	
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16.	CYLINDER HEAD & BONNET
17.	AIR CLEANER & MUFFLER
18.	CAM/CRANK/BARANCER SHAFT
19.	PISTON & ROD
20.	L.O. DEVICE & GOVERNOR CONTROL
21.	COOLING & RECOIL STARTER
22.	FUEL INJECTION PUMP & VALVE

Fig. No.	Fig. Name
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24.	FUEL TANK & FUEL PIPE
25.	FUEL TANK & FUEL PIPE
26.	STARTING MOTOR & DYNAMO
27.	STARTING MOTOR & DYNAMO
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29.	CYLINDER BLOCK
30.	CYLINDER HEAD & BONNET
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38.	FUEL TANK & FUEL PIPE
39.	STARTING MOTOR & DYNAMO
40.	STARTING MOTOR & DYNAMO
41.	TOOLS / LABELS & GASKET SET

OCR10-M39801 L40AE/L48AE-D/S
Fig.1. CYLINDER BLOCK

Fig. 1 CYLINDER BLOCK



OCR10-M39801 Fig.1

(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

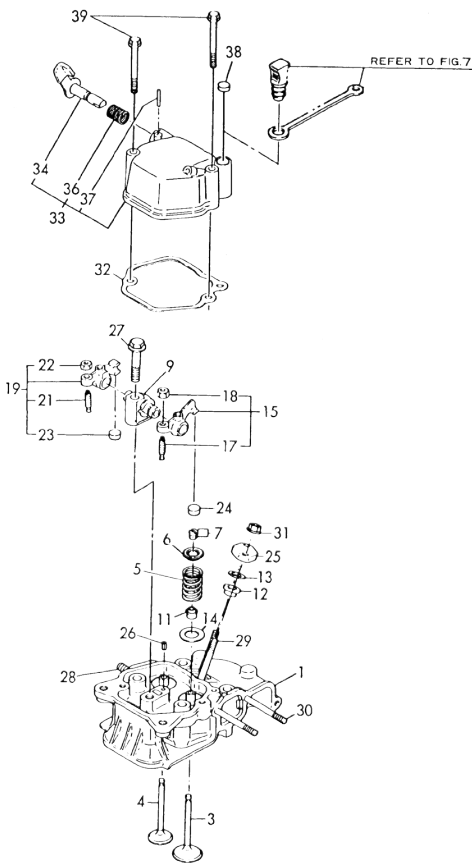
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-01200	STUD, CYL. HEAD	2	2			2	2		
2	1	114250-01210	STUD, CYL. HEAD	2	2			2	2		
3	1	114250-01220	NUT 8	2	2			2	2		
4	1	114250-01250	NUT 8	2	2			2	2		
5	1	124950-01250	WASHER	4	4			4	4		
6A	1	114250-01340	GASKET, CYL. HEAD	1				1			
6B	1	114770-01340	GASKET, CYL. HEAD			1			1		
7	1	114250-01380	O-RING	1	1			1	1		
8A	1	114250-01411	GASKET, CRANK CASE					1	1		
8B	1	114250-01412	GASKET, CRANK CASE	1	1						
9A	1	114260-01453	COVER (D),CRANK CASE	1	1						
9B	1	114250-01452	COVER (S),CRANK CASE					1	1		
11	1	114250-02100	BEARING, MAIN	1	1			1	1		
12	1	105425-01690	PLUG M16	2	2			3	3		
13	1	160710-01760	CAP. W/LUB.OIL GAUGE	2	2			2	2		
14	2	24311-000180	O-RING 1A P-18.0	2	2			2	2		
15	1	114250-01800	SHIM SET	1	1			1	1		
17	1	114250-01830	COVER, INSPEC.WINDOW	1	1			1	1		
18	1	114250-01840	GASKET	1	1			1	1		
19	1	160110-01870	PLUG, RUBBER W/SCREW	1	1			1	1		
20	1	114250-35150	PIPE, L.O. INLET	1	1						
21A	1	183250-39450	SENDER, OIL PRESSURE	1							Y
21B	1	23871-010000	PLUG PT1/8,SCREW	1	1			1	1		
22	1	22312-080120	PARALLEL PIN 8X12	2	2			2	2		
23	1	26106-060252	BOLT M 6X 25 PLATED	14	14			14	14		
24	1	26106-080352	BOLT M 8X 35 PLATED	1	1			1	1		
25	1	26226-060182	STUD M 6X 18 PLATED	1	1			1	1		
26	1	26226-060222	STUD M 6X 22 PLATED	2	2			2	2		
27	1	26366-060002	NUT M 6	3	3			3	3		
28	1	43400-500490	SEAL WASHER 16	4	4			3	3		
29	1	114250-02030	RETAINER, BEARING	1	1			1	1		
30	1	114250-02113	BALL BEARING	1	1			1	1		
31	1	160110-02220	SEAL, OIL	1	1			1	1		
32	1	160210-02220	SEAL, OIL	1	1			1	1		
33	1	24101-062050	BALL BEARING	1	1			1	1		
34	1	24162-152112	NEEDLE BEARING	1	1			1	1		
35	1	26106-080122	BOLT M 8X 12 PLATED	1	1			1	1		
36A	1	714271-01560	BLOCK ASSY, CYLINDER	1				1			
36B	1	714771-01560	BLOCK ASSY, CYLINDER			1					
38	2	114350-01700	COVER, STARTER	1	1			1	1		
39	2	26106-100122	BOLT M10X 12 PLATED	2	2			2	2		
40	1	114250-02200	MAIN BEARING US=0.25	1	1			1	1		H
41	1	114250-02210	MAIN BEARING US=0.50	1	1			1	1		H

Remarks
(Y) FOR L40AE-DGMO/DEGMO
(H) UNDER SIZED PARTS

N:Old $\frac{NBS}{100}$ New, Q:Old $\frac{HQ}{100}$ New, R:Old $\frac{RBS}{100}$ New, S:Old $\frac{HS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. CYLINDER HEAD & BONNET

Fig.2 CYLINDER HEAD & BONNET



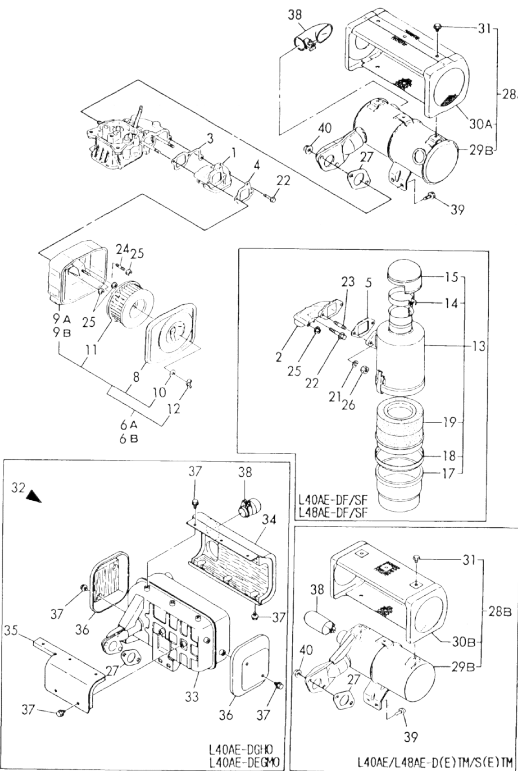
OCR10-M39801 Fig.2
(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-11020	HEAD ASSY, CYLINDER	1	1			1	1		
3	1	114250-11101	VALVE, SUCTION	1	1			1	1		
4	1	114250-11113	VALVE, EXHAUST	1	1			1	1		
5	1	114250-11120	SPRING, VALVE	2	2			2	2		
6	1	114250-11180	RETAINER, SPRING	2	2			2	2		
7	1	714250-11570	COTTER	2	2			2	2		
9	1	114250-11290	SUPPORT, ROCKER ARM	1	1			1	1		
11	1	114250-11340	SEAL, VALVE STEM	2	2			2	2		
12	1	114250-11460	GASKET, NOZZLE	1	1			1	1		
13	1	114350-11470	SPACER, NOZZLE	1	1			1	1		
14	1	114250-11600	WASHER	2	2			2	2		
15	1	114250-11651	ARM ASSY, INTAKE	1	1			1	1		
17	2	114250-11240	SCREW, VALVE ADJUST.	1	1			1	1		
18	2	26756-060002	LOCK NUT 6	1	1			1	1		
19	1	714270-11660	ARM ASSY, EXHAUST	1	1			1	1		
21	3	114250-11240	SCREW, VALVE ADJUST.	1	1			1	1		
22	3	26756-060002	LOCK NUT 6	1	1			1	1		
23	2	119260-11370	CAP, VALVE	1	1			1	1		
24	1	119260-11370	CAP, VALVE	1	1			1	1		
25	1	114250-11900	RETAINER, NOZZLE	1	1			1	1		
26	1	22351-040008	SPRING PIN 4X 8	1	1			1	1		
27	1	26106-080452	BOLT M 8X 45 PLATED	1	1			1	1		
28	1	26216-080182	STUD M 8X 18 PLATED	2	2			2	2		
29	1	26226-060502	STUD M 6X 50	2	2			2	2		
30	1	26226-060552	STUD M6X 55 PLATED	2	2			2	2		
31	1	26366-060002	NUT M 6	2	2			2	2		
32	1	114250-11310	GASKET, BONNET	1	1			1	1		
33	1	114250-11951	BONNET ASSY, HEAD	1	1			1	1		
34	2	114250-03591	SHAFT ASSY, DECOMP.	1	1			1	1		
36	2	114250-03640	SPRING	1	1			1	1		
37	2	22312-030160	PARALLEL PIN 3X16	1	1			1	1		
38	1	129100-61850	PLUG 12,BORE	1	1			1	1		
39	1	26106-060552	BOLT M 6X 55 PLATED	2	2			2	2		

Fig.3. AIR CLEANER & MUFFLER

(A)=
(B)=L40AE-D/D/E
(C)=L48AE-D/D/E
(D)=
(E)=L40AE-S/S/E
(F)=L48AE-S/S/E

Fig.3 AIR CLEANER & MUFFLER

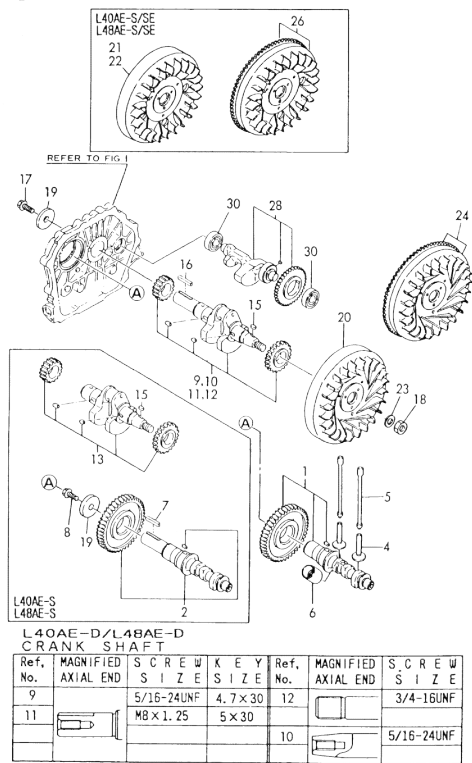


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-12010	PIPE, AIR INTAKE	1	1			1	1		
2	1	114252-12010	PIPE, AIR INTAKE	1	1			1	1		#
3	1	114250-12200	GASKET, AIR INTAKE	1	1			1	1		
4	1	114250-12210	GASKET, AIR CLEANER	1	1			1	1		
5	1	114252-12210	GASKET, AIR CLEANER	1	1			1	1		#
6A	1	714250-12560	CLEANER ASSY, AIR	1	1			1	1		
6B	1	714268-12581	CLEANER ASSY, AIR	1	1						H
8	3	114250-12520	COVER, AIR CLEANER	1	1			1	1		
9A	3	114250-12530	CASE, AIR CLEANER	1	1			1	1		
9B	3	114250-12980	CASE, AIR CLEANER	1	1						H
10	3	114250-12560	WASHER M 6, SEAL	1	1			1	1		
11	3	114250-12580	ELEMENT, WET AIR	1	1			1	1		
12	2	114250-12550	WING-NUT, M 6	1	1			1	1		
13	1	114252-12700	CLEANER ASSY.OILBATH	1	1			1	1		#
14	2	160820-12300	BAND	1	1			1	1		#
15	2	114252-12660	CAP AIR CLEANER	1	1			1	1		#
17	2	160820-12770	SUMP, OIL	1	1			1	1		
18	2	160820-12780	RING	1	1			1	1		
19	2	114252-12860	ELEMENT, AIR CLEANER	1	1			1	1		#
21	1	22217-080000	SPRING WASHER 8	2	2			2	2		
22	1	26106-060252	BOLT M 6X 25 PLATED	1	1			1	1		
23	1	26216-080182	STUD M 8X 18 PLATED	2	2			2	2		
24	1	26226-060142	STUD M 6X 14 PLATED	1	1			1	1		
25	1	26366-060002	NUT M 6	3	3			3	3		
26	1	26716-080002	NUT M 8	2	2			2	2		
27	1	114250-13200	GASKET, MUFFLER	1	1			1	1		
28A	1	114250-13521	MUFFLER W/COVER	1	1			1	1		
28B	1	114268-13500	MUFFLER W/COVER	1	1			1	1		%
29A	2	114250-13531	MUFFLER	1	1			1	1		
29B	2	114268-13510	MUFFLER	1	1			1	1		%
30A	2	114250-13701	COVER, MUFFLER	1	1			1	1		
30B	2	114268-13700	COVER, MUFFLER	1	1			1	1		%
31	2	26106-060082	BOLT M 6X 8 PLATED	6	6			6	6		
32	1	114770-13550	MUFFLER ASSY	1							T
33	2	114770-13560	MUFFLER	1							T
34	2	114870-13700	COVER(A), MUFFLER	1							T
35	2	114870-13710	COVER(B), MUFFLER	1							T
36	2	114870-13720	COVER(C), MUFFLER	2							T
37	2	26106-060082	BOLT M 6X 8 PLATED	12							T
38	1	114268-13800	EXTENSION, EXH.	1	1			1	1		%
39	1	26106-060122	BOLT M 6X 12 PLATED	2	2			2	2		
40	1	26366-080002	NUT M 8	2	2			2	2		

Remarks
(#) FOR L40AE/48AE-D(E)F/S(E)F
(H) FOR L40AE/48AE-D(E)V
(T) L40AE-DGMO/DEGMO
(%) L40AE/L48AE-D(E)TM/S(E)TM
& L40AE-D(E)GMO

Fig.4. CAM/CRANK/BARANCER SHAFT

Fig.4 CRANKSHAFT & CAMSHAFT



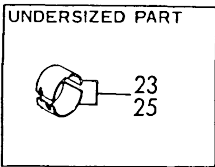
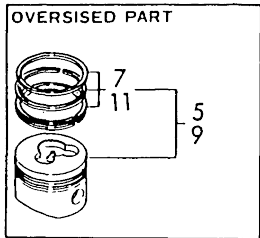
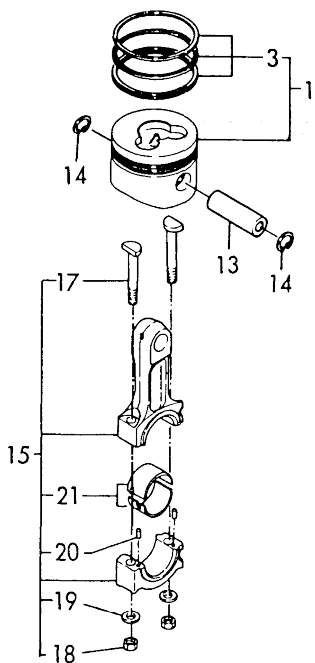
Remarks
(Y) FOR L40AE/48AE-D(E)F & L40AE/48AE-D(E)V
(T) FOR L40AE-DGMO/DEGMO
(#) FOR L40AE/48AE-SF/SEF
(H) FOR L40AE/48AE-D/DE & L40AE/48AE-D(E)TM(S/E)TM
(%) FOR L40AE/48AE-D(E)P

(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714780-14580	CAMSHAFT (D) ASSY		1	1					
2	1	714770-14580	CAMSHAFT(S) ASSY.					1	1		
3E	2	114770-14100	GEAR, CAMSHAFT		1	1		1	1		
4	1	114250-14200	TAPPET		2	2		2	2		
5	1	114250-14450	ROD, PUSH		2	2		2	2		
6	1	114250-14260	TAPPET, FUEL		1	1		1	1		
7	1	22512-050300	KEY 5X 30						1	1	
8	1	26106-080202	BOLT M 8X 20 PLATED						1	1	
9	1	714288-21700	CRANKSHAFT ASY.(D/DE		1	1					H
10	1	714288-21730	CRANKSHAFT ASY.(DGMO		1						T
11	1	714288-21740	CRANKSHAFT ASY.(DV/DF		1	1					Y
12	1	714288-21760	CRANKSHAFT ASY.(DP)		1	1					%
13	1	714278-21710	CRANKSHAFT ASSY(S)					1	1		
14E	2	114770-21200	GEAR,CRANKSHAFT		1	1		1	1		
14G	2	114770-21220	GEAR,BLANCERSHAFT		1	1		1	1		
15	1	22512-040120	KEY 4X 12		1	1		1	1		
16	1	160642-21150	KEY 4.7X30		1	1					
17	1	160642-21250	BOLT 5/15-24UNF		1	1					
18	1	103854-01221	NUT M16		1	1		1	1		
19	1	160310-14550	WASHER		1	1		1	1		
20	1	114780-21400	FLYWHEEL (D)		1	1					
21	1	114770-21400	FLYWHEEL (S)						1	1	
22	1	114770-21410	FLYWHEEL (SF)						1	1	#
23	1	114250-21550	WASHER, FLYWHEEL		1	1		1	1		
24	1	114781-21590	FLYWHEEL W/RING GEAR		1	1					
26	1	114771-21590	FLYWHEEL(SE) W/GEAR					1	1		
28	1	714770-28510	SHAFT ASSY, BALANCER		1	1		1	1		
30	1	24101-062024	BALL BEARING		2	2		2	2		

Fig.5. PISTON & ROD

Fig.5 PISTON & CONNECTING ROD



(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

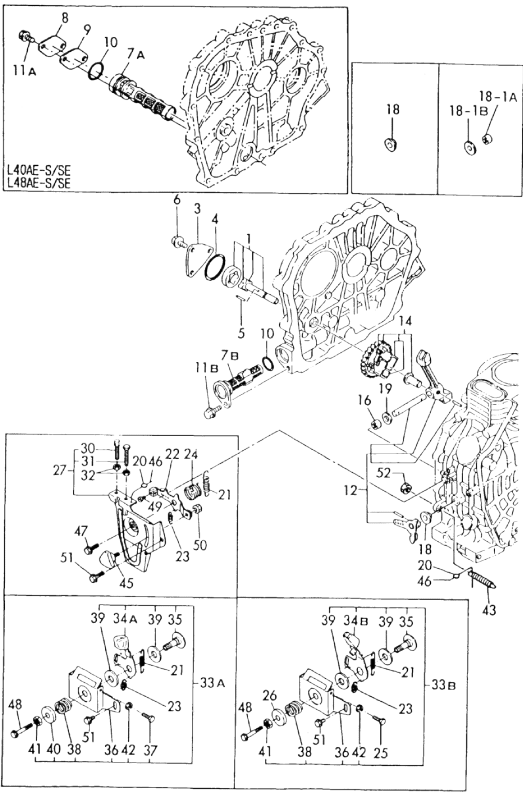
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714280-22720	PISTON W/RINGS		1						
1B	1	714780-22720	PISTON W/RINGS			1					
1C	1	714270-22720	PISTON W/RINGS					1			
1D	1	714770-22720	PISTON W/RINGS						1		
3A	2	714250-22502	RING SET, PISTON		1			1			
3B	2	714770-22500	RING SET, PISTON			1			1		
5A	1	714280-22620	PISTON W/RING OS=.25		1						H
5B	1	714780-22620	PISTON W/RING OS=.25			1					H
5C	1	714270-22620	PISTON W/RING OS=.25					1			H
5D	1	714770-22620	PISTON W/RING OS=.25						1		H
7A	2	714250-22542	RING SET O.S=.0.25		1			1			H
7B	2	714770-22540	RING SET O.S=.0.25			1			1		H
9A	1	714280-22580	PISTON W/RING OS=0.5		1						H
9B	1	714780-22580	PISTON W/RING OS=0.5			1					H
9C	1	714270-22580	PISTON W/RING OS=0.5					1			H
9D	1	714770-22580	PISTON W/RING OS=0.5						1		H
11A	2	714250-22550	RING SET O.S=0.50		1			1			H
11B	2	714770-22550	RING SET O.S=0.50			1			1		H
13	1	114250-22302	PIN, PISTON D=19		1	1		1	1		
14	1	22252-000190	CIRCLIP 19		2	2		2	2		
15	1	714250-23703	ROD ASSY, CONNECTING		1	1		1	1		
15-1	1	714770-23700	ROD ASSY, CONNECTING		1	1		1	1	N	
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
17	2	114250-23200	BOLT, ROD		2	2		2	2		
17-1	2	119265-23200	BOLT, ROD		2	2		2	2	S	
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
18	2	114250-23220	NUT, ROD BOLT		2	2		2	2	Z	
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
19	2	114250-23250	WASHER		2	2		2	2	Z	
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
20	2	22312-030080	PARALLEL PIN 3X 8		2	2		2	2	Z	
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
21	2	714250-23600	BEARING, CRANKPIN		1	1		1	1		
21-1	2	714770-23600	BEARING, CRANKPIN		1	1		1	1	S	
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
22A	2	114770-23100	BUSH, PISTON PIN		1	1		1	1	W	
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
23	1	714250-23610	BEARING,PIN(U.S=0.25		1	1		1	1	H	
23-1	1	714770-23610	BEARING,PIN(U.S=0.25		1	1		1	1	S	H
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			
25	1	714250-23620	BEARING,PIN(U.S=0.50		1	1		1	1	H	
25-1	1	714770-23620	BEARING,PIN(U.S=0.50		1	1		1	1	S	H
		(B=EE6434) (C=E36473)			(E=EE6595)			(F=E37269)			

Remarks
(H) OVERSIZED & UNDERSIZED PARTS
* REF.NO.21-1,23-1,25-1
INTERCHANGEABLE BY ROD ASSY.

Fig.6. L.O. DEVICE & GOVERNOR CONTROL

(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

Fig.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, LUB.OIL	1	1			1	1		
3	1	114250-32070	COVER, LUB. OIL PUMP	1	1			1	1		
4	1	103338-32570	O-RING	1	1			1	1		
5	1	22312-030160	PARALLEL PIN 3X16	1	1			1	1		
6	1	26476-060142	BOLT M 6X 14, TAPPING	3	3			3	3		
7A	1	114250-35060	STRAINER, LUB. OIL					1	1		
7B	1	114250-35070	STRAINER, LUB. OIL		1	1					
8	1	114250-35250	COVER					1	1		
9	1	114250-35270	GASKET, L.O.STRAINER					1	1		
10	1	24341-000224	O-RING 1A S-22.4		1	1		1	1		
11A	1	26106-060122	BOLT M 6X 12 PLATED					2	2		
11B	1	26106-060162	BOLT M 6X 16 PLATED		1	1					
12	1	714250-61500	LEVER ASSY, GOVERNOR		1	1		1	1		
14	1	714770-61700	GOVERNOR ASSY		1	1		1	1		
16	1	121450-61520	NEEDLE BEARING FJ810		2	2		2	2		
18	1	114250-61900	BUSH, THRUST		1	1		1	1		
18-1A	1	114770-61600	SEAL, OIL		1						F
(B=X)											
18-1B	1	114770-61610	WASHER, THRUST		1						F
(B=X)											
19	1	22137-080000	WASHER 8, POLISHED		1	1		1	1		
20	1	135210-61090	LEAD		2	2		2	2		
21	1	114770-66010	SPRING, REGULATOR		1	1		1	1		
22	1	114250-66050	HANDLE, REGULATOR		1	1		1	1		
23	1	114250-66200	SPRING, RETURN		1	1		1	1		
24	1	114252-66252	SPRING, RETURN		1	1		1	1		
25	1	114250-66440	BOLT, ADJUSTING		1	1					Y
26	1	114254-66220	SUPPORT		1	1					Y
27	1	714268-66500	BRACKET ASSY,REGULAT		1	1		1	1		
30	3	102100-67080	BOLT, ADJUSTING		1	1		1	1		
31	3	114250-66440	BOLT, ADJUSTING		1	1		1	1		
32	2	26756-060002	LOCK NUT 6		2	2		2	2		
33A	1	183250-66500	BRACKET ASSY,REGULAT		1	1					H
33B	1	114254-66200	BRACKET ASSY,REGULAT		1	1					Y
34A	2	183250-66050	HANDLE, REGULATOR		1	1					H
34B	2	114254-66210	HANDLE, REGULATOR		1	1					Y
35	2	183250-66070	SHAFT, HANDLE		1	1					H
36	2	183250-66100	BRACKET, REGULATOR		1	1					H
37	2	114250-66440	BOLT, ADJUSTING		1	1					H
38	2	104200-66820	SPRING		1	1					H
39	2	104200-66830	PLATE, FRICTION		2	2					H
40	2	104200-66850	WASHER (B)		1	1					H
41	2	26696-100002	NUT M10		1	1					H
42	2	26756-060002	LOCK NUT 6		1	1					H
43	1	114250-66550	TORQUE SPRING ASSY		1	1		1	1		
45	1	160725-78350	KNOB (W/M6X15)		1	1		1	1		
46	1	22451-060000	WIRE 0.6		2	2		2	2		
47	1	26106-060202	BOLT M 6X 20 PLATED		1	1		1	1		
48	1	26106-060452	BOLT M 6X 45 PLATED		1						#
49	1	26116-040088	BOLT M 4X 8 PLATED		1	1		1	1		
50	1	26346-060002	U-NUT M 6 PLATED		1	1		1	1		

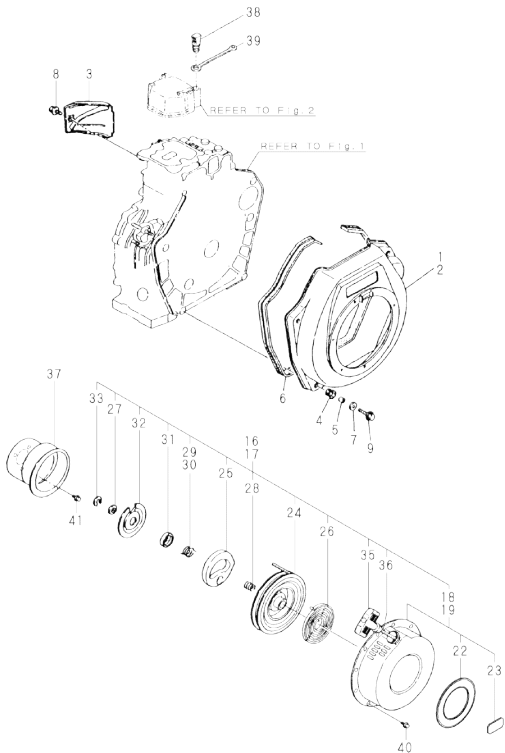
N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Remarks
(H) FOR L40AE-DGMO/DEGMO
L40AE/48AE-D(E)TM/S(E)TM
(#) FOR L40AE-DGMO/DEGMO
(Y) FOR L40AE/48AE-D(E)V

Fig.7. COOLING & RECOIL STARTER

P/C NEWS No.Y00R3981-2
PUBLISHED:2002/11

Fig.7 COOLING & STARTING DEVICE

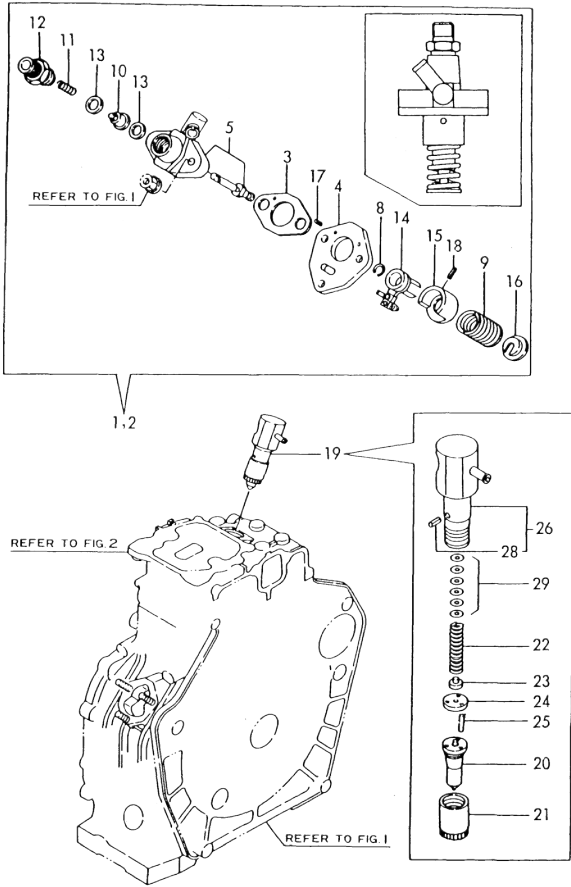


(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114780-45100	CASE,FAN(SILVER)(17)		1	1					
2	1	114770-45100	CASE,FAN(SILVER)(17)					1	1		
3	1	114250-45211	COVER, CYLINDER		1	1		1	1		
4	1	114250-45300	RUBBER, CUSHION		4	4		4	4		
5	1	114250-45310	COLLAR		4	4		4	4		
6	1	114250-45330	SEAL, FAN CASE		1	1		1	1		
7	1	160120-76940	WASHER		4	4		4	4		
8	1	26476-060142	BOLT M 6X 14, TAPPING		1	1		1	1		
9	1	26476-060252	BOLT M 6X 25, TAPPING		4	4		4	4		
16	1	714260-76820	RECOIL(D) W/O PULLEY		1	1					
16-1	1	714260-76821	RECOIL(D) W/O PULLEY		1	1					N
			(B="2000.06) (C="2000.06)								
17	1	714250-76820	RECOIL(S) W/O PULLEY					1	1		
17-1	1	714250-76821	RECOIL(S) W/O PULLEY					1	1		N
			(E="2000.06) (F="2000.06)								
18	2	714260-76830	CASE,STARTER W/LABEL		1	1					
18-1	2	714260-76831	CASE,STARTER W/LABEL		1	1					N
			(B="2000.06) (C="2000.06)								
19	2	714250-76830	CASE,STARTER W/LABEL					1	1		
19-1	2	714250-76831	CASE,STARTER W/LABEL					1	1		N
			(E="2000.06) (F="2000.06)								
22	4	114250-07350	LABEL, YANMAR DIESEL		1	1		1	1		
23	4	114150-07050	LABEL(L35)		1	1		1	1		
23A	4	114170-07050	LABEL(L35A)		1	1		1	1		
23B	4	114270-07050	LABEL(L40A)		1	1		1	1		
23C	4	114770-07050	LABEL(L48A)		1	1		1	1		
23D	4	183250-07120	LABEL(L40)		1	1		1	1		
24	2	160260-76520	REEL, RECOIL		1	1		1	1		
25	2	160260-76530	RATCHET		1	1		1	1		
26	2	160260-76540	SPRING, SPIRAL		1	1		1	1		
27	2	160260-76550	WASHER, THRUST		1	1		1	1		
28	2	160260-76560	SPRING, FRICTION		1	1		1	1		
29	2	160290-76570	SPRING, RETURN		1	1					
30	2	160260-76570	SPRING, RETURN					1	1		
31	2	160260-76580	COVER, SPRING		1	1		1	1		
32	2	160260-76590	PLATE, FRICTION		1	1		1	1		
33	2	160260-76600	CIRCLIP(E)		1	1		1	1		
35	2	160260-76620	KNOB, STARTER		1	1		1	1		
35-1	2	114250-76620	KNOB, STARTER		1	1		1	1		S
			(B="2000.06) (C="2000.06)								
36	2	160260-76630	ROPE, STARTER		1	1		1	1		
37	1	114250-76590	PULLEY, STARTER		1	1		1	1		
38	1	114250-76600	PLUNGER		1	1		1	1		
39	1	114250-76610	HOLDER, PLUNGER		1	1		1	1		
40	1	26106-060082	BOLT M 6X 8 PLATED		4	4		4	4		
41	1	26106-060122	BOLT M 6X 12 PLATED		3	3		3	3		

Fig.8. FUEL INJECTION PUMP & VALVE

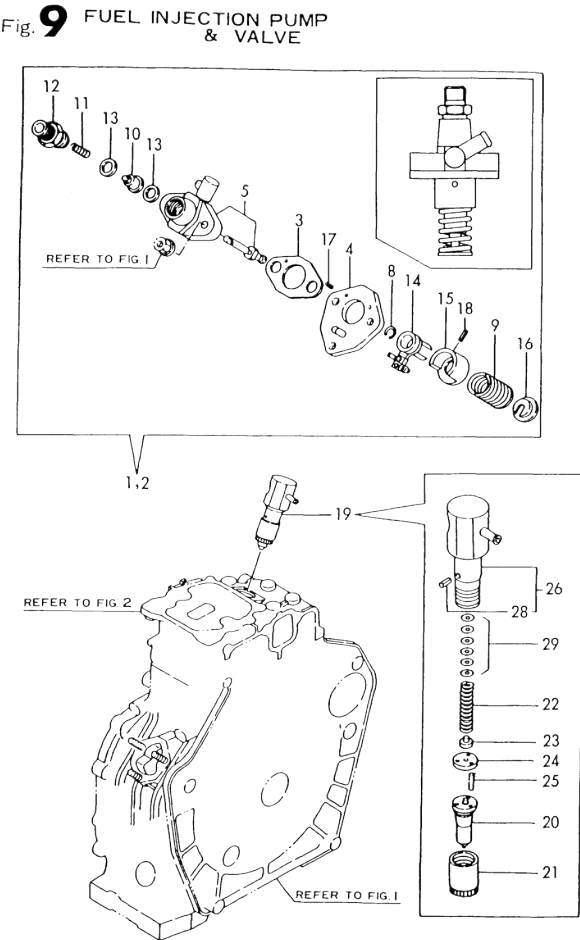
Fig.8 FUEL INJECTION PUMP & VALVE



(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714250-51710	PUMP ASSY, F.INJECT.		1			1			
2	1	714770-51700	PUMP ASSY, F.INJECT.			1			1		
3	2	105546-51020	GASKET		1	1		1	1		
4	2	114250-51080	PLATE		1	1		1	1		
5	2	114250-51200	BODY, F.I. PUMP		1	1		1	1		
8	2	114250-51150	RING, SNAP		1	1		1	1		
9	2	114250-51160	SPRING		1	1		1	1		
10	2	114250-51300	VALVE ASSY, DELIVERY		1	1		1	1		
11	2	105546-51330	SPRING, DELIV. VALVE		1	1		1	1		
12	2	114250-51340	HOLDER, F.I.P.DELIVE		1	1		1	1		
13	2	124550-51350	GASKET, DELIVERY		2	2		2	2		
14	2	114250-51600	LEVER ASSY, CONTROL		1	1		1	1		
15	2	114250-51640	SEAT (A), SPRING		1	1		1	1		
16	2	114250-51650	SEAT (B), SPRING		1	1		1	1		
17	2	22351-020006	SPRING PIN 2X 6		2	2		2	2		
18	2	22351-030008	SPRING PIN 3X 8		1	1		1	1		
19	1	714250-53101	VALVE ASSY, F.INJECT		1	1		1	1		
20	2	114250-53001	NOZZLE ASSY,F.INJECT		1	1		1	1		
21	2	114250-53080	NUT, NOZZLE CASE		1	1		1	1		
22	2	114250-53120	SPRING, NOZZLE		1	1		1	1		
23	2	114250-53130	SEAT, NOZZLE SPRING		1	1		1	1		
24	2	114250-53140	PLATE, STOP		1	1		1	1		
25	2	114250-53210	PIN		2	2		2	2		
26	2	114250-53300	HOLDER ASSY, NOZZLE		1	1		1	1		
28	3	114250-53331	PIN, SPRING		1	1		1	1		
29	2	114250-53400	SHIM PACK		1	1		1	1		

Fig.9. FUEL INJECTION PUMP & VALVE

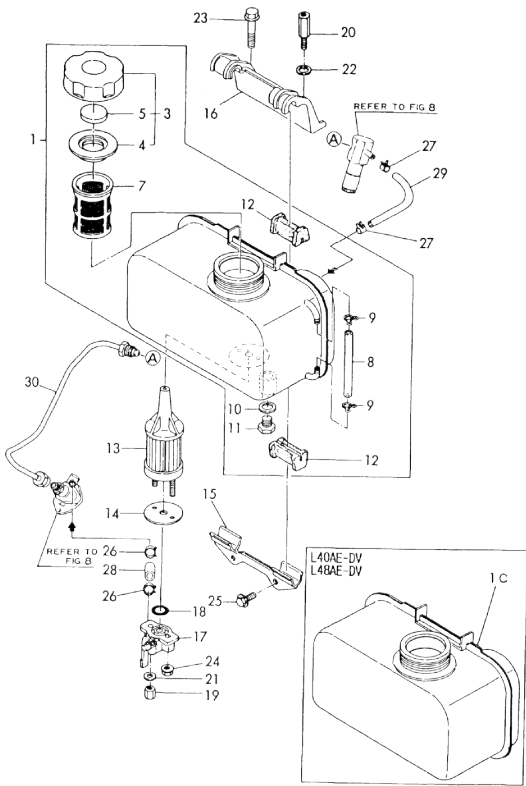


(A)=
(B)=L40AE-D(E)TM
(C)=L48AE-D(E)TM
(D)=
(E)=L40AE-S(E)TM
(F)=L48AE-S(E)TM

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	783250-51740	PUMP ASSY. F.INJECT.		1			1			
2	1	714770-51740	PUMP ASSY. F.INJECT.			1			1		
3	2	105546-51020	GASKET		1	1		1	1		
4	2	114250-51080	PLATE		1	1		1	1		
5	2	183250-51400	BODY, F. I. PUMP		1	1		1	1		
8	2	114250-51150	RING, SNAP		1	1		1	1		
9	2	114250-51160	SPRING		1	1		1	1		
10	2	114250-51300	VALVE ASSY. DELIVERY		1	1		1	1		
11	2	105546-51330	SPRING, DELIV. VALVE		1	1		1	1		
12	2	114250-51340	HOLDER, F.I.P.DELIVE		1	1		1	1		
13	2	124550-51350	GASKET, DELIVERY		2	2		2	2		
14	2	114250-51600	LEVER ASSY. CONTROL		1	1		1	1		
15	2	114250-51640	SEAT (A), SPRING		1	1		1	1		
16	2	114250-51650	SEAT (B), SPRING		1	1		1	1		
17	2	22351-020006	SPRING PIN 2X 6		2	2		2	2		
18	2	22351-030008	SPRING PIN 3X 8		1	1		1	1		
19	1	714250-53101	VALVE ASSY. F.INJECT		1	1		1	1		
20	2	114250-53001	NOZZLE ASSY.F.INJECT		1	1		1	1		
21	2	114250-53080	NUT, NOZZLE CASE		1	1		1	1		
22	2	114250-53120	SPRING, NOZZLE		1	1		1	1		
23	2	114250-53130	SEAT, NOZZLE SPRING		1	1		1	1		
24	2	114250-53140	PLATE, STOP		1	1		1	1		
25	2	114250-53210	PIN		2	2		2	2		
26	2	114250-53300	HOLDER ASSY. NOZZLE		1	1		1	1		
28	3	114250-53331	PIN, SPRING		1	1		1	1		
29	2	114250-53400	SHIM PACK		1	1		1	1		

Fig.10. FUEL TANK & FUEL PIPE

Fig.10 FUEL TANK & FUEL LINE



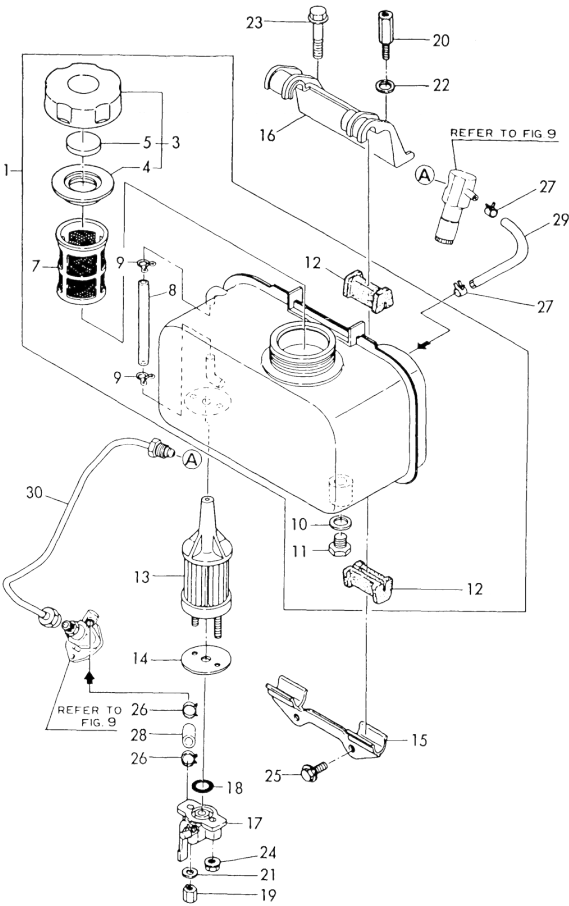
Remarks
(Y) FOR L40AE/48AE-D(E)V
(#) FOR L40AE-DGMO/DEGMO
(T) FOR L40AE/48AE-D(E)F/S(E)F

(A)=
(B)=L40AE-D/D/E
(C)=L48AE-D/D/E
(D)=
(E)=L40AE-S/S/E
(F)=L48AE-S/S/E

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714250-55711	TANK ASSY, FUEL(D/S)	1	1						
1B	1	714268-55721	TANK ASSY.FUEL(DGMO	1							#
1C	1	714268-55751	TANK ASSY, FUEL(DV)	1	1						Y
1D	1	714258-55701	TANK ASSY.FUEL(DF/SF	1	1			1	1		T
3	2	114250-55041	CAP, TANK	1	1			1	1		
4	3	114250-55050	GASKET, TANK CAP	1	1			1	1		
5	3	114250-55060	SEAL	1	1			1	1		
7	2	114250-55100	FILTER, FUEL	1	1			1	1		
8	2	114250-55150	PIPE, GAUGE	1	1			1	1		
9	2	124722-59050	CLAMP 9	2	2			2	2		
10	2	23414-120000	GASKET 12, ROUND	1	1			1	1		
11	2	23887-120002	PLUG 12,HEX.	1	1			1	1		
12	2	114250-55201	DAMPER, FUEL TANK	4	4			4	4		
13	1	114250-55120	FILTER, FUEL OIL	1	1			1	1		
14	1	114250-55130	GASKET	1	1			1	1		
15	1	114250-55211	STAY (A)	1	1			1	1		
16	1	114250-55231	STAY (B)	1	1			1	1		
17	1	114250-55300	COCK ASSY, FUEL	1	1			1	1		
18	1	24341-000150	O-RING 1A S-15.0	1	1			1	1		
19	1	114252-55800	NUT	1	1			1	1		
20	1	114650-55810	BOLT, LIFTING	1	1			1	1		
21	1	22117-060000	WASHER 6	1	1			1	1		
22	1	22117-080000	WASHER 8	1	1			1	1		
23	1	26106-080452	BOLT M 8X 45 PLATED	1	1			1	1		
24	1	26366-060002	NUT M 6	1	1			1	1		
25	1	26476-060142	BOLT M 6X 14,TAPPING	2	2			2	2		
26	1	106990-44660	CLIP,HOSE	2	2			2	2		
27	1	124722-59050	CLAMP 9	2	2			2	2		
28	1	114250-59050	PIPE, FUEL OIL	1	1			1	1		
29	1	114250-59060	PIPE, FUEL RETURN	1	1			1	1		
30	1	114250-59800	PIPE, FUEL INJECTION	1	1			1	1		

Fig.11. FUEL TANK & FUEL PIPE

Fig. 11 FUEL TANK & FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714268-55701	TANK ASSY, FUEL (RED)	1	1			1	1		
3	2	114250-55041	CAP, TANK	1	1			1	1		
4	3	114250-55050	GASKET, TANK CAP	1	1			1	1		
5	3	114250-55060	SEAL	1	1			1	1		
7	2	114250-55100	FILTER, FUEL	1	1			1	1		
8	2	114250-55150	PIPE, GAUGE	1	1			1	1		
9	2	124722-59050	CLAMP 9	2	2			2	2		
10	2	23414-120000	GASKET 12, ROUND	1	1			1	1		
11	2	23887-120002	PLUG 12, HEX.	1	1			1	1		
12	2	114250-55201	DAMPER, FUEL TANK	4	4			4	4		
13	1	114250-55120	FILTER, FUEL OIL	1	1			1	1		
14	1	114250-55130	GASKET	1	1			1	1		
15	1	114250-55211	STAY (A)	1	1			1	1		
16	1	114250-55231	STAY (B)	1	1			1	1		
17	1	114250-55300	COCK ASSY, FUEL	1	1			1	1		
18	1	24341-000150	O-RING 1A S-15.0	1	1			1	1		
19	1	114252-55800	NUT	1	1			1	1		
20	1	114650-55810	BOLT, LIFTING	1	1			1	1		
21	1	22117-060000	WASHER 6	1	1			1	1		
22	1	22117-080000	WASHER 8	1	1			1	1		
23	1	26106-080452	BOLT M 8X 45 PLATED	1	1			1	1		
24	1	26366-060002	NUT M 6	1	1			1	1		
25	1	26476-060142	BOLT M 6X 14, TAPPING	2	2			2	2		
26	1	106990-44660	CLIPHOSE	2	2			2	2		
27	1	124722-59050	CLAMP 9	2	2			2	2		
28	1	114250-59050	PIPE, FUEL OIL	1	1			1	1		
29	1	114250-59060	PIPE, FUEL RETURN	1	1			1	1		
30	1	114250-59810	PIPE, FUEL INJECTION	1	1			1	1		

[illegible]

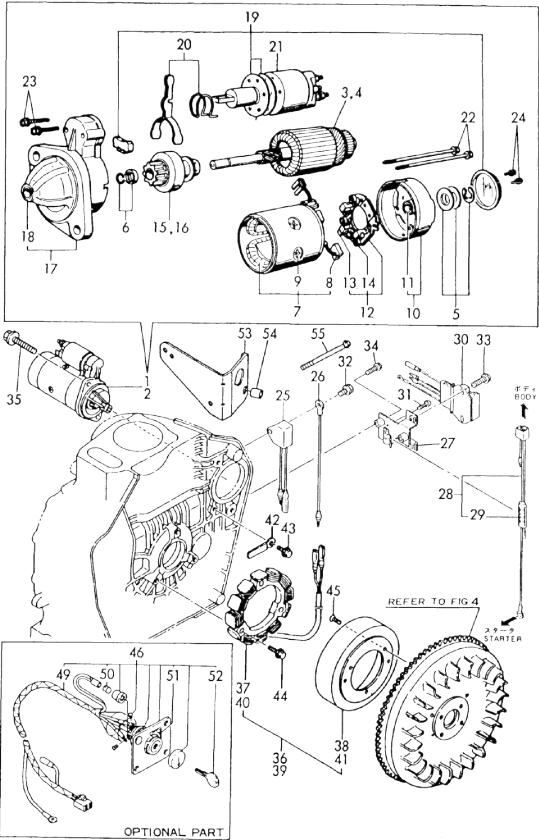
				(A)= (B)=L40AE-DE (C)=L48AE-DE	(D)= (E)=L40AE-SE (F)=L48AE-SE						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114362-77010	STARTER (S114-414A)		1	1					
2	1	114351-77010	STARTER (S114-413A)					1	1		
3	2	X211461104	ARMATURE		1	1					
4	2	X211461008	ARMATURE					1	1		
5	2	X21148110	WASHER SET, THRUST		1	1		1	1		
6	2	X21147155	STOPPER SET, PINION		1	1		1	1		
7	2	X211412105	COIL ASSY, FIELD		1	1		1	1		
8	3	X21145312	BRUSH (+)		2	2		2	2		
9	3	X21143215	SCREW, CORE		4	4		4	4		
10	2	X211473002	COVER, REAR		1	1		1	1		
11	3	X21145352	METAL		1	1		1	1		
12	2	X211489001	HOLDER ASSY, BRUSH		1	1		1	1		
13	3	X21148313	BRUSH (-)		1	1		1	1		
14	3	X21149314	SPRING, BRUSH		3	3		3	3		
15	2	X211445508	PINION ASSY		1	1					
16	2	X211445504	PINION ASSY					1	1		
17	2	X211416603	HOUSING ASSY, GEAR		1	1		1	1		
18	3	X21145352	METAL		1	1		1	1		
19	2	X211478006	COVER KIT, DUST		1	1		1	1		
20	2	X211456013	LEVER KIT, SHIFT		1	1		1	1		
21	2	X211427501	SWITCH, MAGNETIC		1	1		1	1		
22	2	X211468005	BOLT, THROUGH		2	2		2	2		
23	2	X21145867	BOLT 6		2	2		2	2		
24	2	X21142835	SCREW SET		1	1		1	1		
25	1	160970-77350	RECTIFIER		1	1		1	1		
26	1	183350-77400	WIRE, LEAD		1	1		1	1		
27	1	114253-77410	BRACKET					1	1		Y
27-1	1	114385-77400	BRACKET					1			R
28	1	114253-77491	HARNES, WIRE			(E=X)					
29	2	29411-150000	FUSE (15A),CARTRIDGE					1	1		Y
30	1	114253-77520	REGULATOR					1	1		Y
31	1	26023-040102	SCREW M 4X 10		2	2		2	2		
32	1	26106-060122	BOLT M 6X 12 PLATED		1	1		1	1		
33	1	26106-060202	BOLT M 6X 20 PLATED					2	2		Y
34	1	26106-060252	BOLT M 6X 25 PLATED					2	2		Y
34-1	1	26106-060122	BOLT M 6X 12 PLATED					2			N
35	1	26106-100302	BOLT M10X 30 PLATED			(E=X)					
36	1	114351-78250	DYNAMO ASSY		1	1		1	1		
37	2	114351-78750	STATOR ASSY		1	1		1	1		
38	2	114351-78760	WHEEL, DYNAMO		1	1		1	1		
39	1	114351-78260	DYNAMO ASSY (12V-3A)					1	1		Y
40	2	114351-78770	STATOR ASSY,(132.1MM					1	1		Y
41	2	114351-78780	WHEEL (STATOR132.1MM					1	1		Y
42	1	160710-78710	CLAMP, CORD		1	1		1	1		
43	1	26476-060142	BOLT M 6X 14,TAPPING		1	1		1	1		
44	1	26476-060202	BOLT M 6X 20,TAPPING		3	3		3	3		
45	1	26577-060142	SCREW M 6X 14		3	3		3	3		
46	1	114351-77500	PANEL ASSY,KEYSWITCH		1	1		1	1		
49	2	114351-77700	HARNES, WIRE		1	1		1	1		H

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:Q'ty Change
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Fig.12. STARTING MOTOR & DYNAMO

Fig. 12 STARTING MOTOR & DYNAMO

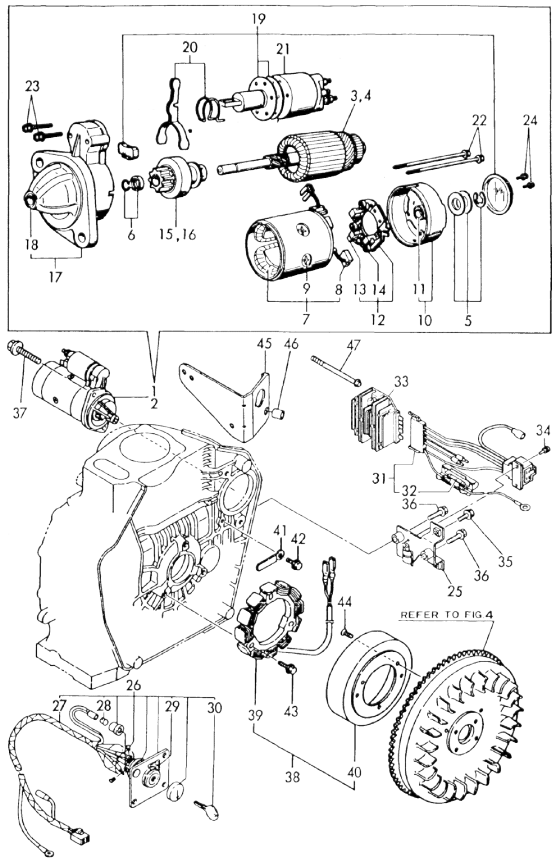


Remarks
(Y) FOR L40AE-SEF, L48AE-SEF.
(H) OPTIONAL PARTS.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
50	3	29220-083200	BULB (12V/3.4W)	1	1			1	1		H
51	2	105198-07120	LABEL, STARTER	1	1			1	1		H
52	2	106100-77630	KEY, STARTER	1	1			1	1		H
53	1	114351-77620	BRACKET, ST.SWITCH	1				1			H
54	1	114351-77630	WASHER	2				2			H
55	1	26106-060702	BOLT M 6X 70 PLATED	2				2			H

Fig.13. STARTING MOTOR & DYNAMO

Fig. 13 STARTING MOTOR & DYNAMO

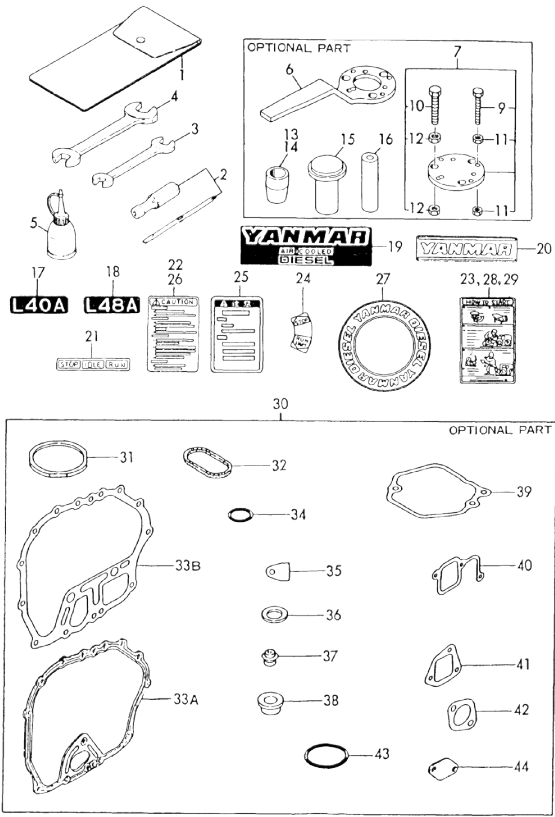


Remarks
(H) OPTIONAL PARTS

										OCR10-M39801 Fig.13	
										(A)= (B)=L40AE-DETM (C)=L48AE-DETM	
										(D)= (E)=L40AE-SETM (F)=L48AE-SETM	
										Q'ty	
										(A)	(B)
										(C)	(D)
										(E)	(F)
										I R	
No.	Lev.	Parts No.	Description								
1	1	114362-77010	STARTER (S114-414A)								
2	1	114351-77010	STARTER (S114-413A)								
3	2	X211461104	ARMATURE								
4	2	X211461008	ARMATURE								
5	2	X21148110	WASHER SET, THRUST								
6	2	X21147155	STOPPER SET, PINION								
7	2	X211412105	COIL ASSY, FIELD								
8	3	X21145312	BRUSH (+)								
9	3	X21143215	SCREW, CORE								
10	2	X211473002	COVER, REAR								
11	3	X21145352	METAL								
12	2	X211489001	HOLDER ASSY, BRUSH								
13	3	X21148313	BRUSH (-)								
14	3	X21149314	SPRING, BRUSH								
15	2	X211445508	PINION ASSY								
16	2	X211445504	PINION ASSY								
17	2	X211416603	HOUSING ASSY, GEAR								
18	3	X21145352	METAL								
19	2	X211478006	COVER KIT, DUST								
20	2	X211456013	LEVER KIT, SHIFT								
21	2	X211427501	SWITCH, MAGNETIC								
22	2	X211468005	BOLT, THROUGH								
23	2	X21145867	BOLT 6								
24	2	X21142835	SCREW SET								
25	1	114253-77410	BRACKET								
25-1	1	114385-77400	BRACKET								
(B=X)											
26	1	114351-77500	PANEL ASSY,KEYSWITCH								
27	2	114351-77700	HARNESS, WIRE								
28	3	29220-083200	BULB (12V/3.4W)								
29	2	105198-07120	LABEL, STARTER								
30	2	106100-77630	KEY, STARTER								
31	1	114351-77540	HARNESS, WIRE								
32	2	29411-150000	FUSE (15A),CARTRIDGE								
33	1	119660-77710	CURRENT LIMITER(15A)								
34	1	26023-040102	SCREW M 4X 10								
35	1	26106-060202	BOLT M 6X 20 PLATED								
36	1	26106-060252	BOLT M 6X 25 PLATED								
36-1	1	26106-060122	BOLT M 6X 12 PLATED								
(B=X)											
37	1	26106-100302	BOLT M10X 30 PLATED								
38	1	114351-78260	DYNAMO ASSY (12V-3A)								
39	2	114351-78770	STATOR ASSY,(132.1MM								
40	2	114351-78780	WHEEL (STATOR)132.1MM								
41	1	160710-78710	CLAMP, CORD								
42	1	26476-060142	BOLT M 6X 14,TAPPING								
43	1	26476-060202	BOLT M 6X 20,TAPPING								
44	1	26577-060142	SCREW M 6X 14								
45	1	114351-77620	BRACKET, ST.SWITCH								
46	1	114351-77630	WASHER								
47	1	26106-060702	BOLT M 6X 70 PLATED								
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										Copyright (C) 2018 YANMAR CO., LTD. All RightsReserved.	

Fig.14. TOOLS / LABELS & GASKET SET

Fig. 14 TOOL, LABEL & GASKET SET



(A)=
(B)=L40AE-D/DE
(C)=L48AE-D/DE
(D)=
(E)=L40AE-S/SE
(F)=L48AE-S/SE

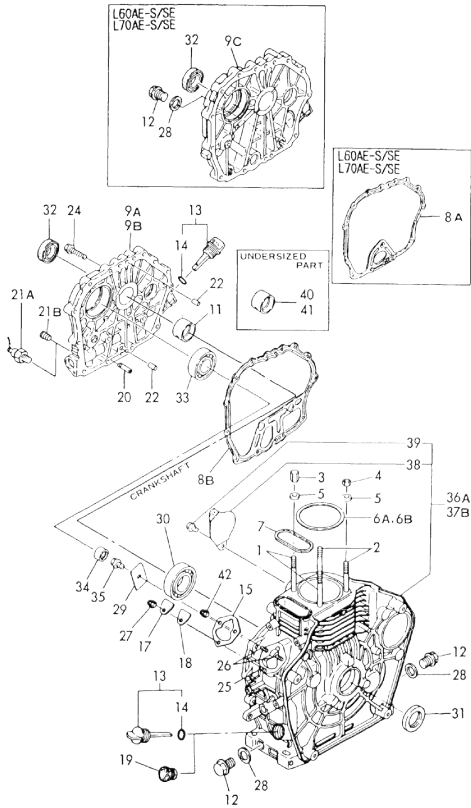
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-92600	BAG, TOOL	1	1			1	1		
2	1	160330-92730	SCREWDRIVER	1	1			1	1		
3	1	28110-100120	WRENCH 10X12	1	1			1	1		
4	1	28110-140170	WRENCH 14X17	1	1			1	1		
5	1	28210-000150	FEEDER, OIL	1	1			1	1		
6	1	114250-92101	F.W. LOCKING HANDLE	1	1			1	1		Y
7	1	114250-92130	REMOVER, FLYWHEEL	1	1			1	1		Y
9	2	26116-060454	BOLT M 6X 45 PLATED	4	4			4	4		Y
10	2	26116-080454	BOLT M 8X 45 PLATED	3	3			3	3		Y
11	2	26716-060002	NUT 6	8	8			8	8		Y
12	2	26716-080002	NUT M 8	6	6			6	6		Y
13	1	114268-92300	GUIDE, OIL SEAL	1	1						Y
14	1	114250-92301	GUIDE, OIL SEAL					1	1		Y
15	1	114250-92311	INSTALLING TOOL	1	1			1	1		Y
16	1	114250-92350	INSTALLING TOOL	1	1			1	1		Y
17	1	114270-07050	LABEL, (L40A)	1				1			
18	1	114770-07050	LABEL, (L48A)		1				1		
19	1	114250-07090	LABEL, AIR COOLED	1	1			1	1		
20	1	114250-07110	LABEL, YANMAR	1	1			1	1		
21	1	183250-07230	LABEL, OPERATION	1	1			1	1		
22	1	114268-07240	LABEL, CAUTION	1	1			1	1		
23	1	114250-07250	LABEL, HOW TO START	1	1			1	1		
24	1	114250-07260	LABEL, OPERATION	1	1			1	1		
25	1	114268-07260	LABEL, CAUTION	1	1			1	1		
26	1	114268-07280	LABEL, PRECAUTION	1	1						
27	1	114250-07350	LABEL, YANMAR DIESEL	1	1			1	1		
28	1	114268-07350	LABEL, HOW TO START	1	1			1	1		
29	1	114268-07360	LABEL, HOW TO START(F	1	1						
30A	1	714270-92600	GASKET SET	1				1			
30B	1	714770-92600	GASKET SET			1			1		
31A	2	114250-01340	GASKET, CYL. HEAD	1				1			
31B	2	114770-01340	GASKET, CYL. HEAD		1				1		
32	2	114250-01380	O-RING	1	1			1	1		
33A	2	114250-01411	GASKET, CRANK CASE	1	1			1	1		
33B	2	114250-01412	GASKET, CRANK CASE	1	1			1	1		
34	2	24311-000180	O-RING 1A P-18.0	2	2			2	2		
35	2	114250-01840	GASKET	1	1			1	1		
36	2	43400-500490	SEAL WASHER 16	2	2			2	2		
37	2	114250-11340	SEAL, VALVE STEM	2	2			2	2		
38	2	114250-11460	GASKET, NOZZLE	1	1			1	1		
39	2	114250-11310	GASKET, BONNET	1	1			1	1		
40	2	114250-12200	GASKET, AIR INTAKE	1	1			1	1		
41A	2	114250-12210	GASKET, AIR CLEANER	1	1			1	1		
41B	2	114252-12210	GASKET, AIR CLEANER	1	1			1	1		
42	2	114250-13200	GASKET, MUFFLER	1	1			1	1		
43	2	103338-32570	O-RING	1	1			1	1		
44	2	114250-35270	GASKET, L.O. STRAINER					1	1		

Remarks
(Y) OPTIONAL PARTS

N:Old $\frac{N_{old}}{N_{new}}$ New, Q:Old $\frac{Q_{old}}{Q_{new}}$ New, R:Old $\frac{R_{old}}{R_{new}}$ New, S:Old $\frac{S_{old}}{S_{new}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.15. CYLINDER BLOCK

Fig. 15 CYLINDER BLOCK



(A)=
(B)=L60AE-D/DE
(C)=L70AE-D/DE

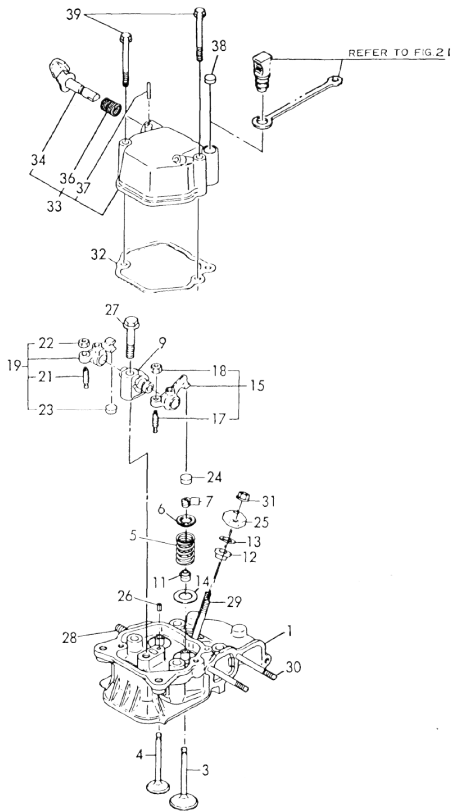
(D)=
(E)=L60AE-S/SE
(F)=L70AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114350-01200	STUD, CYL. HEAD	2	2			2	2		
2	1	114350-01210	STUD, CYL. HEAD	2	2			2	2		
3	1	114350-01220	NUT 9	2	2			2	2		
4	1	114350-01250	NUT 9	2	2			2	2		
5	1	105225-01240	WASHER	4	4			4	4		
6A	1	114350-01340	GASKET, CYL. HEAD	1				1			
6B	1	114870-01340	GASKET, CYL. HEAD			1			1		
7	1	114350-01380	O-RING	1	1			1	1		
8A	1	114350-01411	GASKET, CRANK CASE					1	1		
8B	1	114350-01412	GASKET, CRANK CASE	1	1						
9	1	114368-01452	COVER (D),CRANK CASE	1	1						
9B	1	114360-01453	COVER (D),CRANK CASE	1	1						#
9C	1	114350-01452	COVER (S),CRANK CASE					1	1		
11	1	114350-02100	BEARING, MAIN	1	1			1	1		
12	1	105425-01690	PLUG M16	2	2			3	3		
13	1	160910-01740	CAP. W/LUB.OIL GAUGE	2	2			2	2		
14	2	24311-000180	O-RING 1A P-18.0	2	2			2	2		
15	1	114250-01800	SHIM SET	1	1			1	1		
17	1	114250-01830	COVER, INSP.EC.WINDOW	1	1			1	1		
18	1	114250-01840	GASKET	1	1			1	1		
19	1	160110-01870	PLUG, RUBBER W/SCREW	1	1			1	1		
20	1	114250-35150	PIPE, L.O. INLET	1	1						
21A	1	183250-39450	SENDER, OIL PRESSURE	1							Y
21B	1	23871-010000	PLUG PT1/8.SCREW	1	1			1	1		
22	1	22312-080120	PARALLEL PIN 8X12	2	2			2	2		
24	1	26106-080352	BOLT M 8X 35 PLATED	15	15			15	15		
25	1	26226-060182	STUD M 6X 18 PLATED	1	1			1	1		
26	1	26226-060222	STUD M 6X 22 PLATED	2	2			2	2		
27	1	26366-060002	NUT M 6	3	3			3	3		
28	1	43400-500490	SEAL WASHER 16	4	4			3	3		
29	1	114250-02030	RETAINER, BEARING	1	1			1	1		
30	1	114350-02113	BALL BEARING	1	1			1	1		
31	1	160110-02220	SEAL, OIL	1	1			1	1		
32	1	160110-02220	SEAL, OIL	1	1			1	1		
33	1	24101-062060	BALL BEARING	1	1			1	1		
34	1	24162-152112	NEEDLE BEARING	1	1			1	1		
35	1	26106-080122	BOLT M 8X 12 PLATED	1	1			1	1		
36A	1	714371-01560	BLOCK ASSY, CYLINDER	1				1			
36B	1	714871-01560	BLOCK ASSY, CYLINDER			1			1		
38	2	114350-01700	COVER, STARTER	1	1			1	1		
39	2	26106-100122	BOLT M10X 12 PLATED	2	2			2	2		
40	1	114350-02200	MAIN BEARING US=0.25	1	1			1	1		H
41	1	114350-02210	MAIN BEARING US=0.50	1	1			1	1		H

Remarks
(Y) FOR L60AE-DGMO/DEGMO
(H) UNDER SIZED PARTS
(#) FOR L60AE/L70AE-D(E)F

Fig.16. CYLINDER HEAD & BONNET

Fig. 16 CYLINDER HEAD & BONNET



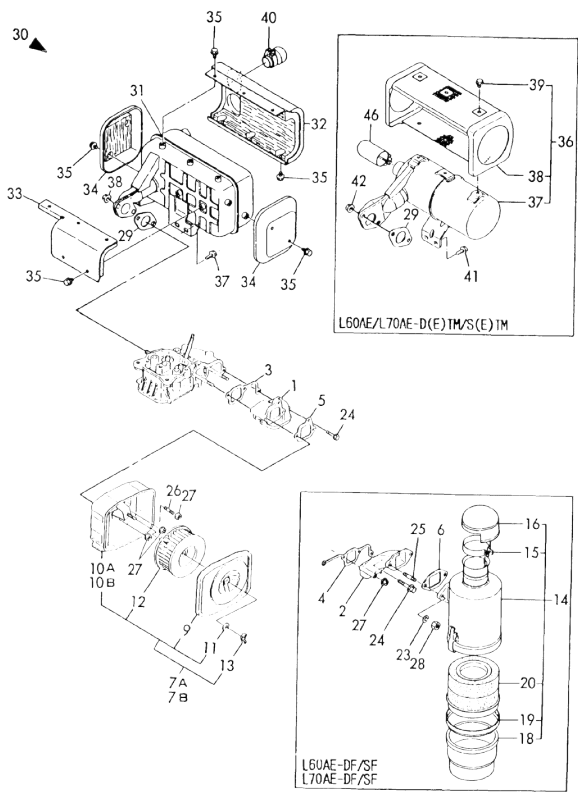
(A)=
(B)=L60AE-D/DE
(C)=L70AE-D/DE
(D)=
(E)=L60AE-S/SE
(F)=L70AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114350-11021	HEAD ASSY, CYLINDER	1	1			1	1		M
1-1	1	114870-11021	HEAD ASSY, CYLINDER	1	1			1	1	N	M
		(B=E06494)	(C=E06494)		(E=E06495)			(F=E06495)			
1-2	1	114870-11020	HEAD ASSY, CYLINDER	1	1			1	1		
3	1	114350-11101	VALVE, SUCTION	1	1			1	1		
4	1	114350-11113	VALVE, EXHAUST	1	1			1	1		
5	1	114350-11120	SPRING, VALVE	2	2			2	2		
6	1	101158-11180	RETAINER, SPRING	2	2			2	2		
7	1	27310-060001	COTTER ASSY	2	2			2	2		
9	1	114250-11290	SUPPORT, ROCKER ARM	1	1			1	1		
11	1	114350-11340	SEAL, VALVE STEM	2	2			2	2		
12	1	114250-11460	GASKET, NOZZLE	1	1			1	1		
13	1	114350-11470	SPACER, NOZZLE	1	1			1	1		
14	1	114250-11600	WASHER	2	2			2	2		
15	1	114250-11651	ARM ASSY, INTAKE	1	1			1	1		
17	2	114250-11240	SCREW, VALVE ADJUST.	1	1			1	1		
18	2	26756-060002	LOCK NUT 6	1	1			1	1		
19	1	714370-11660	ARM ASSY, EXHAUST	1	1			1	1		
21	3	114250-11240	SCREW, VALVE ADJUST.	1	1			1	1		
22	3	26756-060002	LOCK NUT 6	1	1			1	1		
23	2	105010-11490	CAP, VALVE	1	1			1	1		
24	1	105010-11490	CAP, VALVE	1	1			1	1		
25	1	114250-11900	RETAINER, NOZZLE	1	1			1	1		
26	1	22351-040008	SPRING PIN 4X 8	1	1			1	1		
27	1	26106-080452	BOLT M 8X 45 PLATED	1	1			1	1		
28	1	26216-080182	STUD M 8X 18 PLATED	2	2			2	2		
29	1	26226-060502	STUD M 6X 50	2	2			2	2		
30	1	26226-060552	STUD M6X 55 PLATED	2	2			2	2		
31	1	26366-060002	NUT M 6	2	2			2	2		
32	1	114250-11310	GASKET, BONNET	1	1			1	1		
33	1	114250-11951	BONNET ASSY, HEAD	1	1			1	1		
34	2	114250-03591	SHAFT ASSY, DECOMP.	1	1			1	1		
36	2	114250-03640	SPRING	1	1			1	1		
37	2	22312-030160	PARALLEL PIN 3X16	1	1			1	1		
38	1	129100-61850	PLUG 12,BORE	1	1			1	1		
39	1	26106-060552	BOLT M 6X 55 PLATED	2	2			2	2		

Remarks
(M) MISPRINT.

Fig.17. AIR CLEANER & MUFFLER

Fig.17 AIR CLEANER & MUFFLER



(A)=
(B)=L60AE-D/DE
(C)=L70AE-D/DE

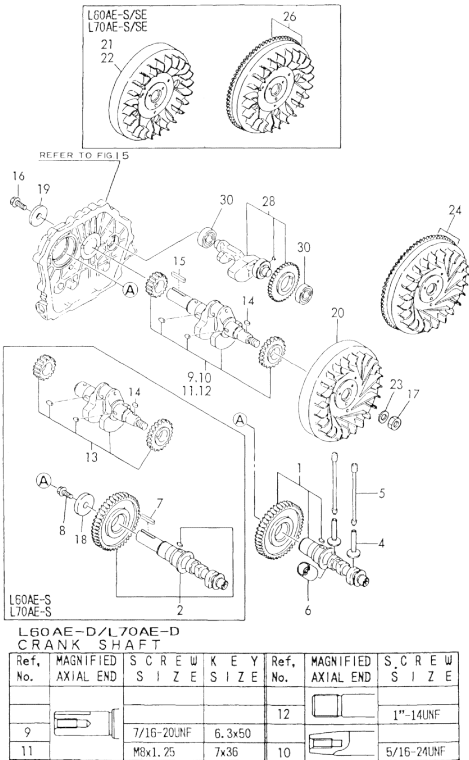
(D)=
(E)=L60AE-S/SE
(F)=L70AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114350-12011	PIPE, AIR INTAKE	1	1			1	1		
2	1	114352-12010	PIPE, AIR INTAKE	1	1			1	1	%	
3	1	114350-12200	GASKET, AIR INTAKE	1	1			1	1		
4	1	114350-12201	GASKET, AIR INTAKE	1	1			1	1	%	
5	1	114250-12210	GASKET, AIR CLEANER	1	1			1	1		
6	1	114352-12210	GASKET, AIR CLEANER	1	1			1	1	%	
7A	1	714250-12560	CLEANER ASSY, AIR	1	1			1	1		
7B	1	714268-12581	CLEANER ASSY, AIR	1	1						H
9	3	114250-12520	COVER, AIR CLEANER	1	1			1	1		
10A	3	114250-12530	CASE, AIR CLEANER	1	1			1	1		
10B	3	114250-12980	CASE, AIR CLEANER	1	1						H
11	3	114250-12560	WASHER M 6, SEAL	1	1			1	1		
12	3	114250-12580	ELEMENT, WET AIR	1	1			1	1		
13	2	114250-12550	WING-NUT, M 6	1	1			1	1		
14	1	114352-12700	CLEANER ASSY.OILBATH	1	1			1	1	%	
15	2	160820-12300	BAND	1	1			1	1	%	
16	2	114252-12660	CAP,AIRCLEANER	1	1			1	1	%	
18	2	160820-12770	SUMP, OIL	1	1			1	1	%	
19	2	160820-12780	RING	1	1			1	1	%	
20	2	114352-12720	ELEMENT, AIR CLEANER	1	1			1	1	%	
23	1	22217-080000	SPRING WASHER 8	2	2			2	2		
24	1	26106-060252	BOLT M 6X 25 PLATED	2	2			2	2		
25	1	26216-080182	STUD M 8X 18 PLATED	2	2			2	2		
26	1	26226-060142	STUD M 6X 14 PLATED	1	1			1	1		
27	1	26366-060002	NUT M 6	3	3			3	3		
28	1	26716-080002	NUT M 8	2	2			2	2		
29	1	114250-13200	GASKET, MUFFLER	1	1			1	1		
30	1	114870-13550	MUFFLER ASSY	1	1			1	1		
31	2	114870-13560	MUFFLER	1	1			1	1		
32	2	114870-13700	COVER(A), MUFFLER	1	1			1	1		
33	2	114870-13710	COVER(B), MUFFLER	1	1			1	1		
34	2	114870-13720	COVER(C), MUFFLER	2	2			2	2		
35	2	26106-060082	BOLT M 6X 8 PLATED	12	12			12	12		
36	1	114368-13500	MUFFLER W/COVER	1	1			1	1	#	
37	2	114368-13510	MUFFLER	1	1			1	1	#	
38	2	114268-13700	COVER, MUFFLER	1	1			1	1	#	
39	2	26106-060082	BOLT M 6X 8 PLATED	6	6			6	6	#	
40	1	114268-13800	EXTENSION, EXH.	1	1			1	1	#	
41	1	26106-060122	BOLT M 6X 12 PLATED	2	2			2	2		
42	1	26366-080002	NUT M 8	2	2			2	2		

Remarks
(%) FOR L60AE/L70AE-D(E)F/S(E)F
(H) FOR L60AE/L70AE-D(E)V
(#) FOR L60AE/70AE-D(E)TM/S(E)TM

Fig.18. CAM/CRANK/BARANCER SHAFT

Fig.18 CRANKSHAFT & CAMSHAFT

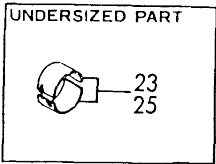
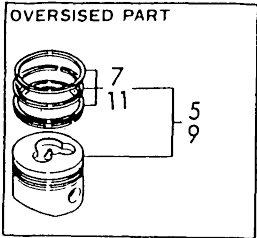
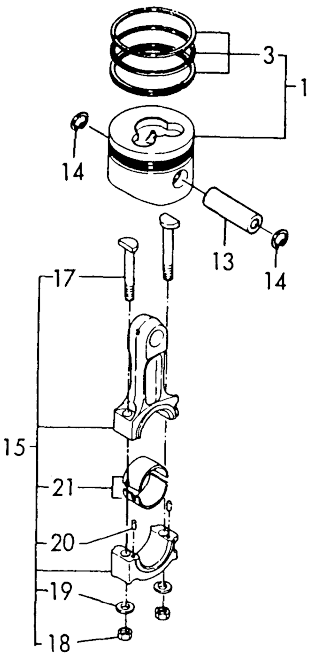


Remarks
(G) FOR L60AE/L70AE-D(E)F & L60AE/L70AE-D(E)V
(M) FOR L60AE/L70AE-D(E)P
(P) FOR L60AE-DGMO/DEGMO
(#) FOR L60AE/L70AE-S(E)F
(J) FOR L60AE/L70AE-D(E)D(E)TM

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714880-14580	CAMSHAFT (D) ASSY		1	1					
2	1	714870-14580	CAMSHAFT(S) ASSY.					1	1		
3F	2	114870-14100	GEAR, CAMSHAFT		1	1		1	1		
4	1	114250-14200	TAPPET		2	2		2	2		
5	1	114350-14450	ROD, PUSH		2	2		2	2		
6	1	114250-14260	TAPPET, FUEL		1	1		1	1		
7	1	22512-070360	KEY 7X 36						1	1	
8	1	26106-080202	BOLT M 8X 20 PLATED						1	1	
9	1	714388-21700	CRANKSHAFT ASSY(D/DE		1	1					J
10	1	714388-21730	CRANKSHAFT ASSY (DG		1						P
11	1	714388-21740	CRANKSHAFT ASSY(DV/DF		1	1					G
12	1	714388-21760	CRANKSHAFT ASSY(DP		1	1					M
13	1	714378-21710	CRANKSHAFT ASSY(S/SE					1	1		
13F	2	114870-21200	GEAR,CRANKSHAFT		1	1		1	1		
13H	2	114870-21220	GEAR,BLANCERSHAFT		1	1		1	1		
14	1	22512-040120	KEY 4X 12		1	1		1	1		
15	1	160842-21150	KEY 6.3X50		1	1					
16	1	160842-21250	BOLT 7/16-20UNF		1	1					
17	1	103854-01221	NUT M16		1	1		1	1		
18	1	160310-14550	WASHER					1	1		
19	1	160842-21260	WASHER		1	1					
20	1	114880-21400	FLYWHEEL (D)		1	1					
21	1	114870-21400	FLYWHEEL (S)					1	1		
22	1	114870-21410	FLYWHEEL (SF)					1	1		#
23	1	114250-21550	WASHER, FLYWHEEL		1	1		1	1		
24	1	114881-21590	FLYWHEEL W/RING GEAR		1	1					
26	1	114871-21590	FLYWHEEL(SE) W/GEAR					1	1		
28	1	714870-28510	SHAFT ASSY, BALANCER		1	1		1	1		
30	1	24101-062024	BALL BEARING		2	2		2	2		

Fig.19. PISTON & ROD

Fig.19 PISTON & CONNECTING ROD



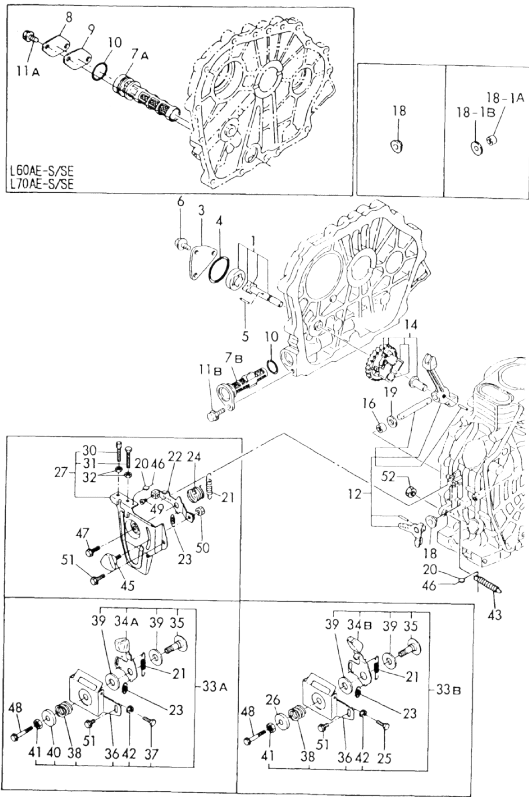
(A)=
(B)=L60AE-D/DE
(C)=L70AE-D/DE
(D)=
(E)=L60AE-S/SE
(F)=L70AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714380-22720	PISTON W/RINGS		1						
1B	1	714880-22720	PISTON W/RINGS			1					
1C	1	714370-22720	PISTON W/RINGS					1			
1D	1	714870-22720	PISTON W/RINGS						1		
3A	2	714350-22502	RING SET, PISTON		1			1			
3B	2	714870-22500	RING SET, PISTON			1			1		
5A	1	714380-22620	PISTON W/RING OS=.25		1						H
5B	1	714880-22620	PISTON W/RING OS=.25			1					H
5C	1	714370-22620	PISTON W/RING OS=.25					1			H
5D	1	714870-22620	PISTON W/RING OS=.25						1		H
7A	2	714350-22542	RING SET O.S=.0.25		1			1			H
7B	2	714870-22540	RING SET O.S=.0.25			1			1		H
9A	1	714380-22580	PISTON W/RING OS=0.5		1						H
9B	1	714880-22580	PISTON W/RING OS=0.5			1					H
9C	1	714370-22580	PISTON W/RING OS=0.5					1			H
9D	1	714870-22580	PISTON W/RING OS=0.5						1		H
11A	2	714350-22550	RING SET O.S=0.5		1			1			H
11B	2	714870-22550	RING SET O.S=0.5			1			1		H
13	1	114350-22301	PIN, PISTON D=21		1	1		1	1		
14	1	22252-000210	CIRCLIP 21		2	2		2	2		
15	1	714350-23704	ROD ASSY, CONNECTING		1	1		1	1		
15-1	1	714380-23700	ROD ASSY, CONNECTING		1	1		1	1	N	
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
17	2	114250-23200	BOLT, ROD		2	2		2	2		
17-1	2	118200-23200	BOLT, ROD		2	2		2	2	S	
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
18	2	114250-23220	NUT, ROD BOLT		2	2		2	2	Z	
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
19	2	114250-23250	WASHER		2	2		2	2	Z	
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
20	2	22312-030080	PARALLEL PIN 3X 8		2	2		2	2	Z	
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
21	2	714350-23600	BEARING, CRANKPIN		1	1		1	1		
21-1	2	714380-23600	BEARING, CRANK PIN		1	1		1	1	S	
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
22A	2	114380-23100	BUSH, PISTON PIN		1	1		1	1	W	
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
23	1	714350-23610	BEARING,PIN(U.S=0.25		1	1		1	1	H	
23-1	1	714380-23610	BEARING,PIN(U.S=0.25		1	1		1	1	S	H
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			
25	1	714350-23620	BEARING,PIN(U.S=0.50		1	1		1	1	H	
25-1	1	714380-23620	BEARING,PIN(U.S=0.50		1	1		1	1	S	H
		(B=E83178) (C=E33814)			(E=E83235)			(F=E37972)			

Remarks
(H) OVERSIZED & UNDERSIZED PARTS
* REF.NO.21-1,23-1,25-1
INTERCHANEAGEABLE BY SET.

Fig.20. L.O. DEVICE & GOVERNOR CONTROL

Fig.20 LUB. OIL PUMP & GOVERNOR



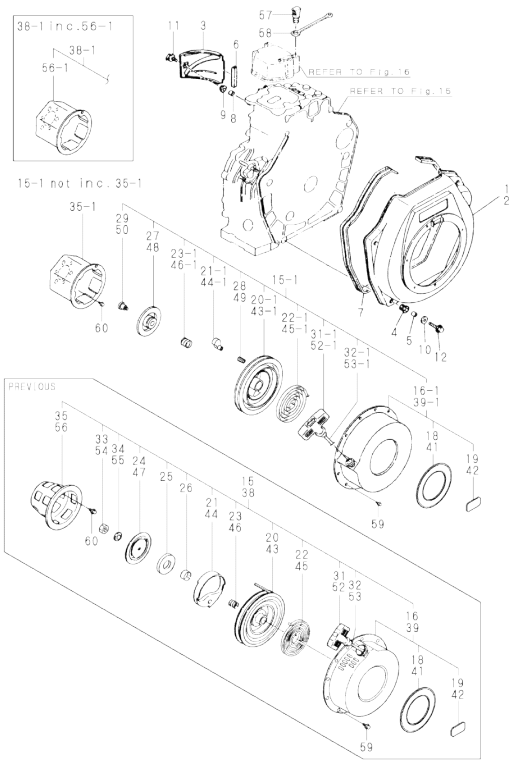
Remarks
(H) FOR L60AE-DGMO/DEGMO &
L70AE/60AE-D(E)TM/S(E)JTM
(#) FOR L60AE-DGMO/DEGMO
(Y) FOR L60AE/70AE-D(E)V

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-32010	PUMP ASSY, LUB.OIL	1	1			1	1		
3	1	114250-32070	COVER, LUB. OIL PUMP	1	1			1	1		
4	1	103338-32570	O-RING	1	1			1	1		
5	1	22312-030160	PARALLEL PIN 3X16	1	1			1	1		
6	1	26476-060142	BOLT M 6X 14, TAPPING	3	3			3	3		
7A	1	114250-35060	STRAINER, LUB. OIL					1	1		
7B	1	114250-35070	STRAINER, LUB. OIL	1	1						
8	1	114250-35250	COVER					1	1		
9	1	114250-35270	GASKET, L.O.STRAINER					1	1		
10	1	24341-000224	O-RING 1A S-22.4	1	1			1	1		
11A	1	26106-060122	BOLT M 6X 12 PLATED					2	2		
11B	1	26106-060162	BOLT M 6X 16 PLATED	1	1						
12	1	714350-61500	LEVER ASSY, GOVERNOR	1	1			1	1		
14	1	714770-61700	GOVERNOR ASSY	1	1			1	1		
16	1	121450-61520	NEEDLE BEARING FJ810	2	2			2	2		
18	1	114250-61900	BUSH, THRUST	1	1			1	1		
19	1	22137-080000	WASHER 8, POLISHED	1	1			1	1		
20	1	135210-61090	LEAD	2	2			2	2		
21	1	114870-66010	SPRING, REGULATOR	1	1			1	1		
22	1	114250-66050	HANDLE, REGULATOR	1	1			1	1		
23	1	114250-66200	SPRING, RETURN	1	1			1	1		
24	1	114252-66252	SPRING, RETURN	1	1			1	1		
25	1	114250-66440	BOLT, ADJUSTING	1	1						Y
26	1	114254-66220	SUPPORT	1	1						Y
27	1	714268-66500	BRACKET ASSY,REGULAT	1	1			1	1		
30	3	102100-67080	BOLT, ADJUSTING	1	1			1	1		
31	3	114250-66440	BOLT, ADJUSTING	1	1			1	1		
32	2	26756-060002	LOCK NUT 6	2	2			2	2		
33A	1	183250-66500	BRACKET ASSY,REGULAT	1	1						H
33B	1	114254-66200	BRACKET ASSY,REGULAT	1	1						Y
34A	2	183250-66050	HANDLE, REGULATOR	1	1						H
34B	2	114254-66210	HANDLE, REGULATOR	1	1						Y
35	2	183250-66070	SHAFT, HANDLE	1	1						H
36	2	183250-66100	BRACKET, REGULATOR	1	1						H
37	2	114250-66440	BOLT, ADJUSTING	1	1						H
38	2	104200-66820	SPRING	1	1						H
39	2	104200-66830	PLATE, FRICTION	2	2						H
40	2	104200-66850	WASHER (B)	1	1						H
41	2	26696-100002	NUT M10	1	1						H
42	2	26756-060002	LOCK NUT 6	1	1						H
43	1	114250-66550	TORQUE SPRING ASSY	1	1			1	1		
45	1	160725-78350	KNOB (W/M6X15)	1	1			1	1		
46	1	22451-060000	WIRE 0.6	2	2			2	2		
47	1	26106-060202	BOLT M 6X 20 PLATED	1	1			1	1		
48	1	26106-060452	BOLT M 6X 45 PLATED	1	1						#
49	1	26116-040088	BOLT M 4X 8 PLATED	2	2			1	1		
50	1	26346-060002	U-NUT M 6 PLATED	1	1			1	1		
51	1	26476-060142	BOLT M 6X 14, TAPPING	1	1			1	1		
52	1	26696-100002	NUT M10	1	1			1	1		

Fig.21. COOLING & RECOIL STARTER

P/C New: No.Y00R3981-2
P/C: LSHED-2002/11

Fig.21 COOLING & STARTING DEVICE

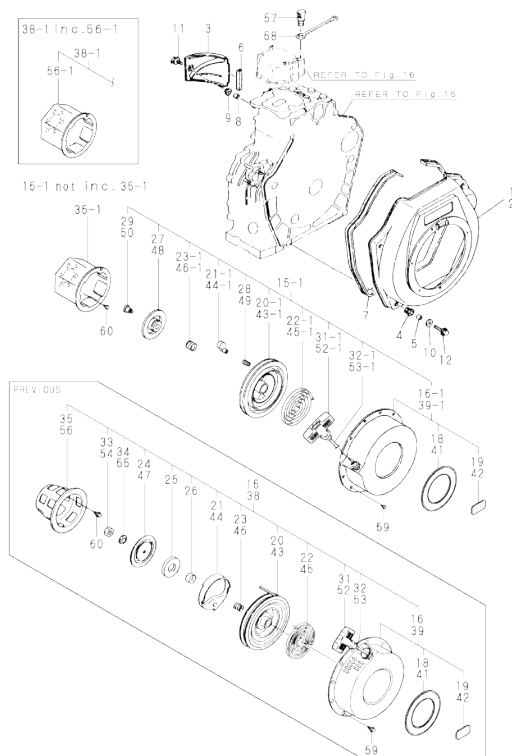
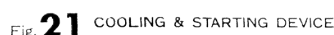


Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH NO.35-1.
(2)LEVEL CHANGED:2->1

(A)=
(B)=L60AE-D/DE
(C)=L70AE-D/DE
(D)=
(E)=L60AE-S/SE
(F)=L70AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114360-45101	CASE,FAN(SILVER)(17)		1	1					
2	1	114870-45100	CASE,FAN(SILVER)(17)					1	1		
3	1	114870-45200	COVER, CYLINDER		1	1		1	1		
4	1	114250-45300	RUBBER, CUSHION		5	5		5	5		
5	1	114250-45310	COLLAR		5	5		5	5		
6	1	114350-45320	RUBBER, SEAL		1	1		1	1		
7	1	114250-45330	SEAL, FAN CASE		1	1		1	1		
8	1	114350-45340	COLLAR		1	1		1	1		
9	1	183720-55210	GROMMET		1	1		1	1		
10	1	160120-76940	WASHER		5	5		5	5		
11	1	26476-060202	BOLT M 6X 20,TAPPING		1	1		1	1		
12	1	26476-060252	BOLT M 6X 25,TAPPING		5	5		5	5		
15	1	714880-76820	RECOIL(D) W/PULLEY		1	1					
15-1	1	714880-76821	RECOIL(D) W/O PULLEY		1	1				F	1
		(B=*2000.06)	(C=*2000.06)								
16	2	714880-76830	CASE,STARTER W/LABEL		1	1					
16-1	2	714880-76831	CASE,STARTER W/LABEL		1	1				S	
		(B=*2000.06)	(C=*2000.06)								
18	3	114250-07350	LABEL, YANMAR DIESEL		1	1					
19	3	114370-07050	LABEL(L60A)		1	1					
19A	3	114450-07050	LABEL(L50)		1	1					
19B	3	114470-07050	LABEL(L50A)		1	1					
19C	3	114870-07050	LABEL(L70A)		1	1					
19D	3	183350-07120	LABEL(L60)		1	1					
20	2	160810-76520	REEL, RECOIL		1	1					
20-1	2	114880-76520	REEL, RECOIL		1	1				S	
		(B=*2000.06)	(C=*2000.06)								
21	2	160840-76530	RATCHET		1	1					
21-1	2	114870-76530	RATCHET		2	2				S	
		(B=*2000.06)	(C=*2000.06)								
22	2	160810-76540	SPRING, SPIRAL		1	1					
22-1	2	114870-76540	SPRING, SPIRAL		1	1				S	
		(B=*2000.06)	(C=*2000.06)								
23	2	160840-76560	SPRING, FRICTION		1	1					
23-1	2	114870-76560	SPRING, FRICTION		1	1				S	
		(B=*2000.06)	(C=*2000.06)								
24	2	160810-76580	PLATE, FRICTION		1	1					
25	2	114870-76520	PLATE, SLIDE		1	1				W	
		(B=*2002.11)	(C=*2002.11)								
26	2	114873-76450	COVER, SPRING		1	1				W	
		(B=*2002.11)	(C=*2002.11)								
27	2	114880-76550	GUIDE, RATCHET		1	1				W	
		(B=*2000.06)	(C=*2000.06)								
28	2	114870-76570	SPRING, RETURN		2	2				W	
		(B=*2000.06)	(C=*2000.06)								
29	2	114870-76580	SET SCREW		1	1				W	
		(B=*2000.06)	(C=*2000.06)								
31	2	160810-76620	KNOB, STARTER		1	1					
31-1	2	114870-76620	KNOB, STARTER		1	1				S	
		(B=*2000.06)	(C=*2000.06)								
32	2	160810-76630	ROPE, STARTER		1	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
++ CONTINUE ++
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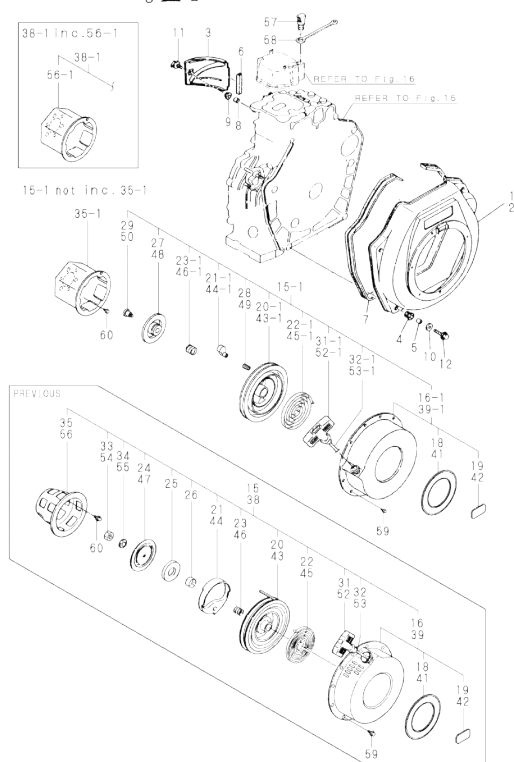


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32-1	2	114870-76630	ROPE, STARTER (B="2000.06) (C="2000.06)	1	1					S	
33	2	181130-76680	NUT	1	1						
34	2	181130-76700	WASHER	1	1						
35	2	114350-76590	PULLEY, STARTER	1	1						
35-1	1	114350-76591	PULLEY, STARTER (B="2000.06) (C="2000.06)	1	1						S 2
38	1	714870-76820	RECOIL(S) W/PULLEY					1	1		
38-1	1	714870-76821	RECOIL(S) W/PULLEY					1	1	N	
39	2	714870-76830	CASE, STARTER W/LABEL			(E="2000.06)		(F="2000.06)	1	1	
39-1	2	714870-76831	CASE, STARTER W/LABEL					1	1	S	
41	3	114250-07350	LABEL, YANMAR DIESEL			(E="2000.06)		(F="2000.06)	1	1	
42	3	114370-07050	LABEL(L60A)					1	1		
42A	3	114450-07050	LABEL(L50)					1	1		
42B	3	114470-07050	LABEL(L50A)					1	1		
42C	3	114870-07050	LABEL(L70A)					1	1		
42D	3	183350-07120	LABEL(L60)					1	1		
43	2	160810-76520	REEL, RECOIL					1	1		
43-1	2	114880-76520	REEL, RECOIL					1	1	S	
44	2	160810-76530	RATCHET			(E="2000.06)		(F="2000.06)	1	1	
44-1	2	114870-76530	RATCHET					2	2	S	
45	2	160810-76540	SPRING, SPIRAL			(E="2000.06)		(F="2000.06)	1	1	
45-1	2	114870-76540	SPRING, SPIRAL					1	1	S	
46	2	160810-76560	SPRING, FRICTION			(E="2000.06)		(F="2000.06)	1	1	
46-1	2	114870-76560	SPRING, FRICTION					1	1	S	
47	2	160810-76580	PLATE, FRICTION			(E="2000.06)		(F="2000.06)	1	1	
48	2	114870-76550	GUIDE, RATCHET					1	1	W	
49	2	114870-76570	SPRING, RETURN			(E="2000.06)		(F="2000.06)	2	2	W
50	2	114870-76580	SET SCREW			(E="2000.06)		(F="2000.06)	1	1	W
52	2	160810-76620	KNOB, STARTER			(E="2000.06)		(F="2000.06)	1	1	
52-1	2	114870-76620	KNOB, STARTER					1	1	S	
53	2	160810-76630	ROPE, STARTER			(E="2000.06)		(F="2000.06)	1	1	
53-1	2	114870-76630	ROPE, STARTER					1	1	S	
54	2	181130-76680	NUT			(E="2000.06)		(F="2000.06)	1	1	
55	2	181130-76700	WASHER					1	1		
56	2	114350-76590	PULLEY, STARTER					1	1		
56-1	2	114350-76591	PULLEY, STARTER					1	1	S	
57	1	114250-76600	PLUNGER			(E="2000.06)		(F="2000.06)	1	1	
58	1	114250-76610	HOLDER, PLUNGER					1	1		

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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P/C NEWS No:Y00R3981-2
PUBLISHED:2002/11

Fig. 21 COOLING & STARTING DEVICE



No.	Lev.	Parts No.	Description	Qty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
59	1	26106-060082	BOLT M 6X 8 PLATED	4	4			4	4	
60	1	26106-060122	BOLT M 6X 12 PLATED	3	3			3	3	

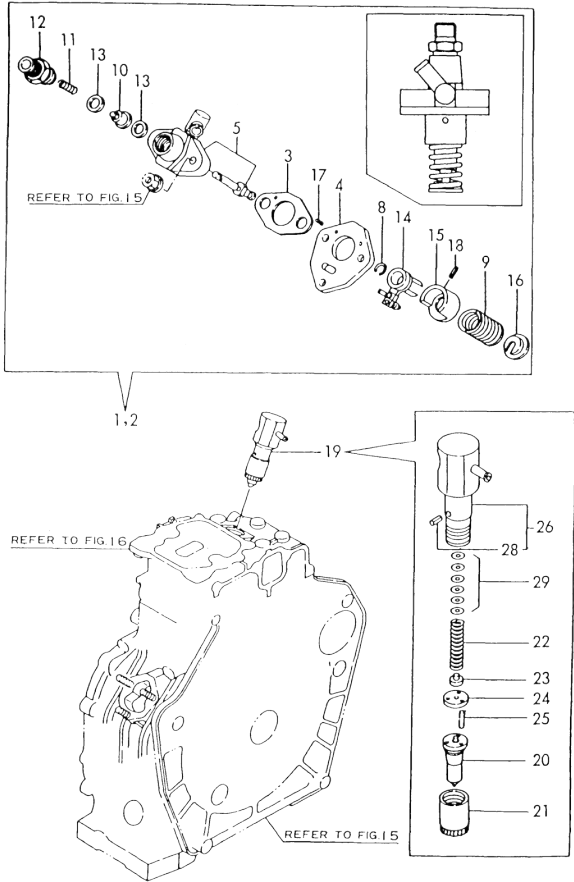
Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH NO.35-1.
(2)LEVEL CHANGED:2->1

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:Q'ty Change

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Fig.22. FUEL INJECTION PUMP & VALVE

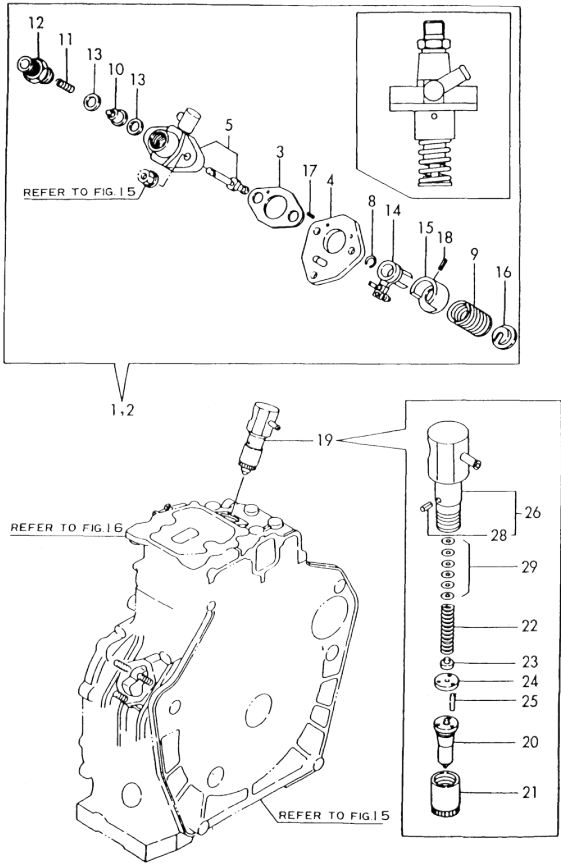
Fig.22 FUEL INJECTION PUMP & VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714350-51710	PUMP ASSY, F.INJECT.		1			1			
1B	1	714870-51700	PUMP ASSY, F.INJECT.			1			1		
3	2	105546-51020	GASKET		1	1		1	1		
4	2	114250-51080	PLATE		1	1		1	1		
5	2	114350-51200	BODY, F.I. PUMP		1	1		1	1		
8	2	114250-51150	RING, SNAP		1	1		1	1		
9	2	114250-51160	SPRING		1	1		1	1		
10	2	114250-51300	VALVE ASSY, DELIVERY		1	1		1	1		
11	2	105546-51330	SPRING, DELIV. VALVE		1	1		1	1		
12	2	114250-51340	HOLDER, F.I.P.DELIVE		1	1		1	1		
13	2	124550-51350	GASKET, DELIVERY		2	2		2	2		
14	2	114250-51600	LEVER ASSY, CONTROL		1	1		1	1		
15	2	114250-51640	SEAT (A), SPRING		1	1		1	1		
16	2	114250-51650	SEAT (B), SPRING		1	1		1	1		
17	2	22351-020006	SPRING PIN 2X 6		2	2		2	2		
18	2	22351-030008	SPRING PIN 3X 8		1	1		1	1		
19	1	714350-53100	VALVE ASSY, F.INJECT		1	1		1	1		
19-1	1	714870-53100	VALVE ASSY, F.INJECT		1	1		1	1	N	
(B=X)											
20	2	114350-53000	NOZZLE ASSY,F.INJECT		1	1		1	1		
20-1	2	114870-53000	NOZZLE ASSY,F.INJECT		1					N	
(B=X)											
21	2	114250-53080	NUT, NOZZLE CASE		1	1		1	1		
22	2	114250-53120	SPRING, NOZZLE		1	1		1	1		
23	2	114250-53130	SEAT, NOZZLE SPRING		1	1		1	1		
24	2	114250-53140	PLATE, STOP		1	1		1	1		
25	2	114250-53210	PIN		2	2		2	2		
26	2	114250-53300	HOLDER ASSY, NOZZLE		1	1		1	1		
28	3	114250-53331	PIN, SPRING		1	1		1	1		
29	2	114250-53400	SHIM PACK		1	1		1	1		

Fig.23. FUEL INJECTION PUMP & VALVE

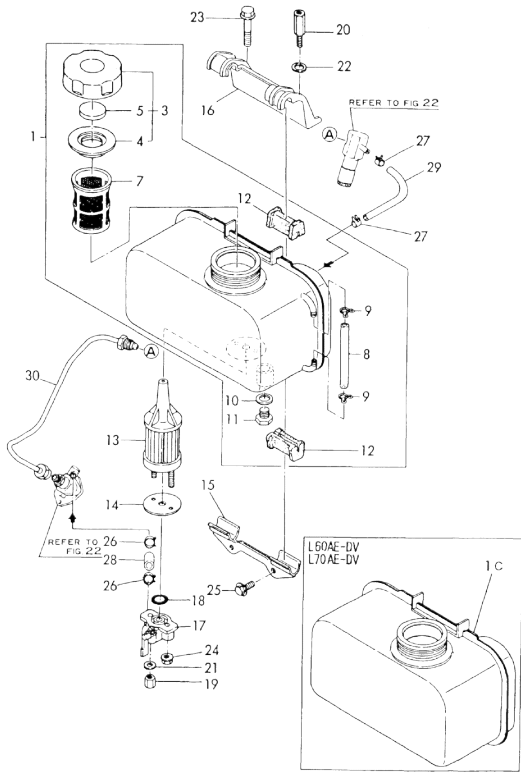
Fig.23 FUEL INJECTION PUMP & VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	783350-51740	PUMP ASSY. F.INJECT.		1			1			
2	1	714870-51740	PUMP ASSY. F.INJECT.			1			1		
3	2	105546-51020	GASKET		1	1			1	1	
4	2	114250-51080	PLATE		1	1			1	1	
5	2	183350-51400	BODY, F. I. PUMP		1	1			1	1	
8	2	114250-51150	RING, SNAP		1	1			1	1	
9	2	114250-51160	SPRING		1	1			1	1	
10	2	114250-51300	VALVE ASSY. DELIVERY		1	1			1	1	
11	2	105546-51330	SPRING, DELIV. VALVE		1	1			1	1	
12	2	114250-51340	HOLDER, F.I.P.DELIVE		1	1			1	1	
13	2	124550-51350	GASKET, DELIVERY		2	2			2	2	
14	2	114250-51600	LEVER ASSY. CONTROL		1	1			1	1	
15	2	114250-51640	SEAT (A), SPRING		1	1			1	1	
16	2	114250-51650	SEAT (B), SPRING		1	1			1	1	
17	2	22351-020006	SPRING PIN 2X 6		2	2			2	2	
18	2	22351-030008	SPRING PIN 3X 8		1	1			1	1	
19	1	714350-53100	VALVE ASSY. F.INJECT		1	1			1	1	
19-1	1	714870-53100	VALVE ASSY. F.INJECT		1	1			1	1	R
(B=X)											
20	2	114350-53000	NOZZLE ASSY,F.INJECT		1	1			1	1	
20-1	2	114870-53000	NOZZLE ASSY,F.INJECT		1						R
(B=X)											
21	2	114250-53080	NUT, NOZZLE CASE		1	1			1	1	
22	2	114250-53120	SPRING, NOZZLE		1	1			1	1	
23	2	114250-53130	SEAT, NOZZLE SPRING		1	1			1	1	
24	2	114250-53140	PLATE, STOP		1	1			1	1	
25	2	114250-53210	PIN		2	2			2	2	
26	2	114250-53300	HOLDER ASSY, NOZZLE		1	1			1	1	
28	3	114250-53331	PIN, SPRING		1	1			1	1	
29	2	114250-53400	SHIM PACK		1	1			1	1	

Fig.24. FUEL TANK & FUEL PIPE

Fig. 24 FUEL TANK & FUEL LINE

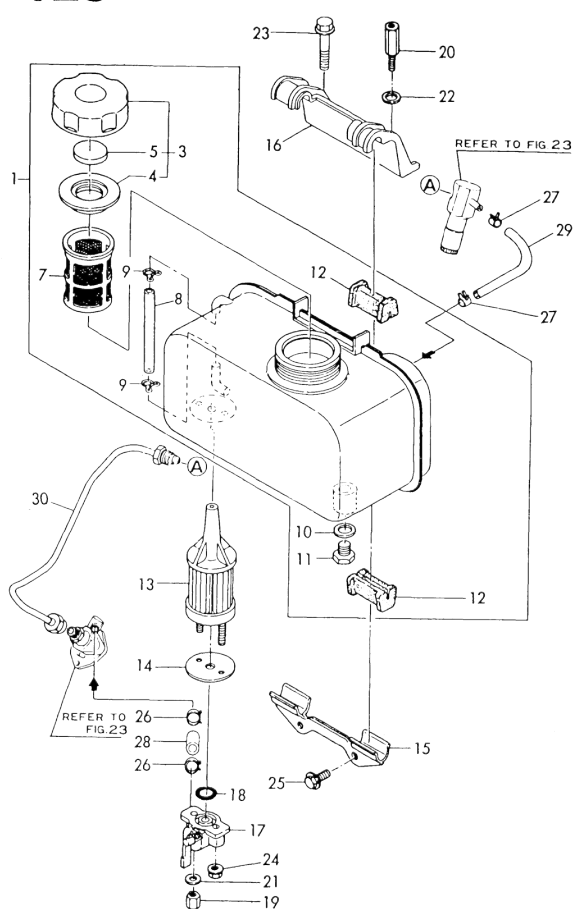


Remarks
(H) FOR L60AE/L70AE-D(E)V
(%) FOR L60AE-DGMO/DEGMO
(U) FOR L60AE/L70AE-D(E)F/S(E)F

(A)=
(B)=L60AE-D/DE
(C)=L70AE-D/DE
(D)=
(E)=L60AE-S/SE
(F)=L70AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714350-55711	TANK,FUEL (RED)(50)	1	1			1	1		
1B	1	714368-55721	TANK ASSY,FUEL(DGMO	1	1					%	
1C	1	714368-55750	TANK ASSY, FUEL(DV)	1	1					H	
1D	1	714358-55701	TANK ASSY,FUEL(DF/SF	1	1			1	1		U
3	2	114250-55041	CAP, TANK	1	1			1	1		
4	3	114250-55050	GASKET, TANK CAP	1	1			1	1		
5	3	114250-55060	SEAL	1	1			1	1		
7	2	114250-55100	FILTER, FUEL	1	1			1	1		
8	2	114350-55150	PIPE, GAUGE	1	1			1	1		
9	2	124722-59050	CLAMP 9	2	2			2	2		
10	2	23414-120000	GASKET 12, ROUND	1	1			1	1		
11	2	23887-120002	PLUG 12,HEX.	1	1			1	1		
12	2	114250-55201	DAMPER, FUEL TANK	4	4			4	4		
13	1	114350-55120	FILTER, FUEL OIL	1	1			1	1		
14	1	114250-55130	GASKET	1	1			1	1		
15	1	114250-55211	STAY (A)	1	1			1	1		
16	1	114350-55231	STAY (B)	1	1			1	1		
17	1	114250-55300	COCK ASSY, FUEL	1	1			1	1		
18	1	24341-000150	O-RING 1A S-15.0	1	1			1	1		
19	1	114252-55800	NUT	1	1			1	1		
20	1	114650-55810	BOLT, LIFTING	1	1			1	1		
21	1	22117-060000	WASHER 6	1	1			1	1		
22	1	22117-080000	WASHER 8	1	1			1	1		
23	1	26106-080452	BOLT M 8X 45 PLATED	1	1			1	1		
24	1	26366-060002	NUT M 6	1	1			1	1		
25	1	26476-060142	BOLT M 6X 14,TAPPING	2	2			2	2		
26	1	106990-44660	CLIP,HOSE	2	2			2	2		
27	1	124722-59050	CLAMP 9	2	2			2	2		
28	1	114360-59060	PIPE, FUEL OIL	1	1			1	1		
29	1	114250-59060	PIPE, FUEL RETURN	1	1			1	1		
30	1	114350-59800	PIPE, FUEL INJECTION	1	1			1	1		

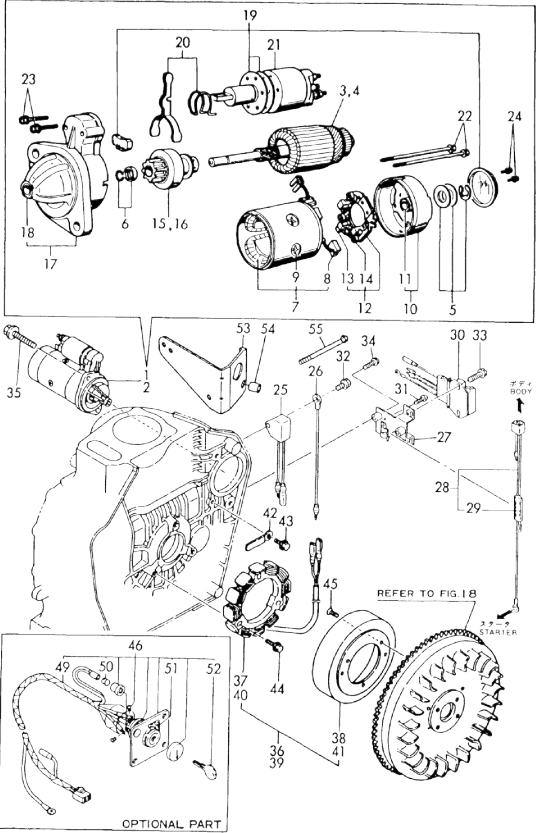
Fig. **25** FUEL TANK & FUEL LINE



No.	Lev.	Parts No.	Description	(A)= (B)=L60AE-D(E)TM (C)=L70AE-D(E)TM		(D)= (E)=L60AE-S(E)TM (F)=L70AE-S(E)TM				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714368-55701	TANK ASSY.(DTM/STM)		1	1		1	1		
3	2	114250-55041	CAP. TANK		1	1		1	1		
4	3	114250-55050	GASKET, TANK CAP		1	1		1	1		
5	3	114250-55060	SEAL		1	1		1	1		
7	2	114250-55100	FILTER, FUEL		1	1		1	1		
8	2	114350-55150	PIPE, GAUGE		1	1		1	1		
9	2	124722-59050	CLAMP 9		2	2		2	2		
10	2	23414-120000	GASKET 12, ROUND		1	1		1	1		
11	2	23887-120002	PLUG 12,HEX.		1	1		1	1		
12	2	114250-55201	DAMPER, FUEL TANK		4	4		4	4		
13	1	114350-55120	FILTER, FUEL OIL		1	1		1	1		
14	1	114250-55130	GASKET		1	1		1	1		
15	1	114250-55211	STAY (A)		1	1		1	1		
16	1	114350-55231	STAY (B)		1	1		1	1		
17	1	114250-55300	COCK ASSY, FUEL		1	1		1	1		
18	1	24341-000150	O-RING 1A S-15.0		1	1		1	1		
19	1	114252-55800	NUT		1	1		1	1		
20	1	114650-55810	BOLT, LIFTING		1	1		1	1		
21	1	22117-060000	WASHER 6		1	1		1	1		
22	1	22117-080000	WASHER 8		1	1		1	1		
23	1	26106-080452	BOLT M 8X 45 PLATED		1	1		1	1		
24	1	26366-060002	NUT M 6		1	1		1	1		
25	1	26476-060142	BOLT M 6X 14, TAPPING		2	2		2	2		
26	1	106990-44660	CLIP,HOSE		2	2		2	2		
27	1	124722-59050	CLAMP 9		2	2		2	2		
28	1	114360-59060	PIPE, FUEL OIL		1	1		1	1		
29	1	114250-59060	PIPE, FUEL RETURN		1	1		1	1		
30	1	114350-59800	PIPE, FUEL INJECTION		1	1		1	1		

Fig.26. STARTING MOTOR & DYNAMO

Fig.26 STARTING MOTOR & DYNAMO

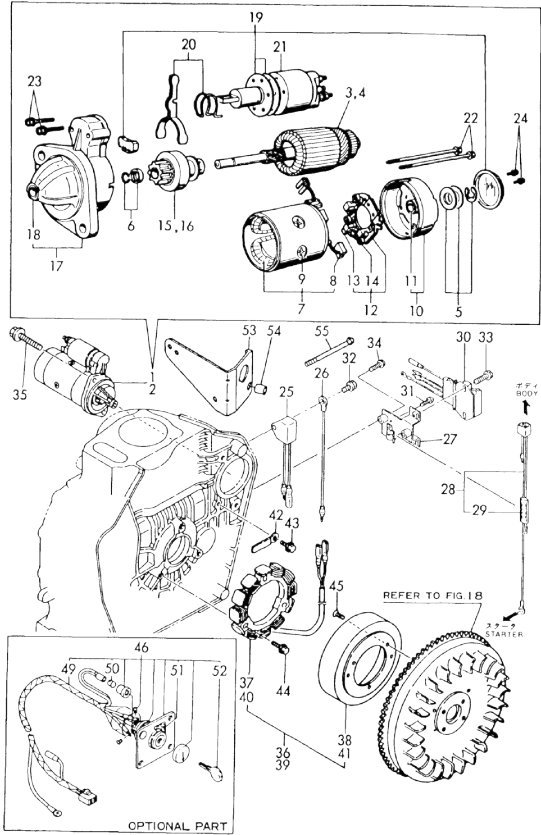


Remarks
(Y) FOR L60AE-SEF, L70AE-SEF.
(H) OPTIONAL PARTS.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114362-77010	STARTER (S114-414A)		1	1					
2	1	114351-77010	STARTER (S114-413A)					1	1		
3	2	X211461104	ARMATURE		1	1					
4	2	X211461008	ARMATURE					1	1		
5	2	X21148110	WASHER SET, THRUST		1	1		1	1		
6	2	X21147155	STOPPER SET, PINION		1	1		1	1		
7	2	X211412105	COIL ASSY, FIELD		1	1		1	1		
8	3	X21145312	BRUSH (+)		2	2		2	2		
9	3	X21143215	SCREW, CORE		4	4		4	4		
10	2	X211473002	COVER, REAR		1	1		1	1		
11	3	X21145352	METAL		1	1		1	1		
12	2	X211489001	HOLDER ASSY, BRUSH		1	1		1	1		
13	3	X21148313	BRUSH (-)		1	1		1	1		
14	3	X21149314	SPRING, BRUSH		3	3		3	3		
15	2	X211445508	PINION ASSY		1	1					
16	2	X211445504	PINION ASSY					1	1		
17	2	X211416603	HOUSING ASSY, GEAR		1	1		1	1		
18	3	X21145352	METAL		1	1		1	1		
19	2	X211478006	COVER KIT, DUST		1	1		1	1		
20	2	X211456013	LEVER KIT, SHIFT		1	1		1	1		
21	2	X211427501	SWITCH, MAGNETIC		1	1		1	1		
22	2	X211468005	BOLT, THROUGH		2	2		2	2		
23	2	X21145867	BOLT 6		2	2		2	2		
24	2	X21142835	SCREW SET		1	1		1	1		
25	1	160970-77350	RECTIFIER		1	1		1	1		
26	1	183350-77400	WIRE, LEAD		1	1		1	1		
27	1	114253-77410	BRACKET					1	1		Y
27-1	1	114385-77400	BRACKET							1	R
					(E=X)						
28	1	114253-77491	HARNES, WIRE					1	1		Y
29	2	29411-150000	FUSE (15A), CARTRIDGE					2	2		Y
30	1	114253-77520	REGULATOR					1	1		Y
31	1	26023-040102	SCREW M 4X 10		2	2		2	2		
32	1	26106-060122	BOLT M 6X 12 PLATED		1	1		1	1		
33	1	26106-060202	BOLT M 6X 20 PLATED					2	2		Y
34	1	26106-060252	BOLT M 6X 25 PLATED					2	2		Y
34-1	1	26106-060122	BOLT M 6X 12 PLATED					2			N
					(E=X)						
35	1	26106-100302	BOLT M10X 30 PLATED		2	2		2	2		
36	1	114351-78250	DYNAMO ASSY		1	1		1	1		
37	2	114351-78750	STATOR ASSY		1	1		1	1		
38	2	114351-78760	WHEEL, DYNAMO		1	1		1	1		
39	1	114351-78260	DYNAMO ASSY (12V-3A)					1	1		Y
40	2	114351-78770	STATOR ASSY, (132.1MM)					1	1		Y
41	2	114351-78780	WHEEL (STATOR132.1MM)					1	1		Y
42	1	160710-78710	CLAMP, CORD		1	1		1	1		
43	1	26476-060142	BOLT M 6X 14, TAPPING		1	1		1	1		
44	1	26476-060202	BOLT M 6X 20, TAPPING		3	3		3	3		
45	1	26577-060142	SCREW M 6X 14		3	3		3	3		
46	1	114351-77500	PANEL ASSY, KEYSWITCH		1	1		1	1		H
49	2	114351-77700	HARNES, WIRE		1	1		1	1		H

Fig.26. STARTING MOTOR & DYNAMO

Fig.26 STARTING MOTOR & DYNAMO

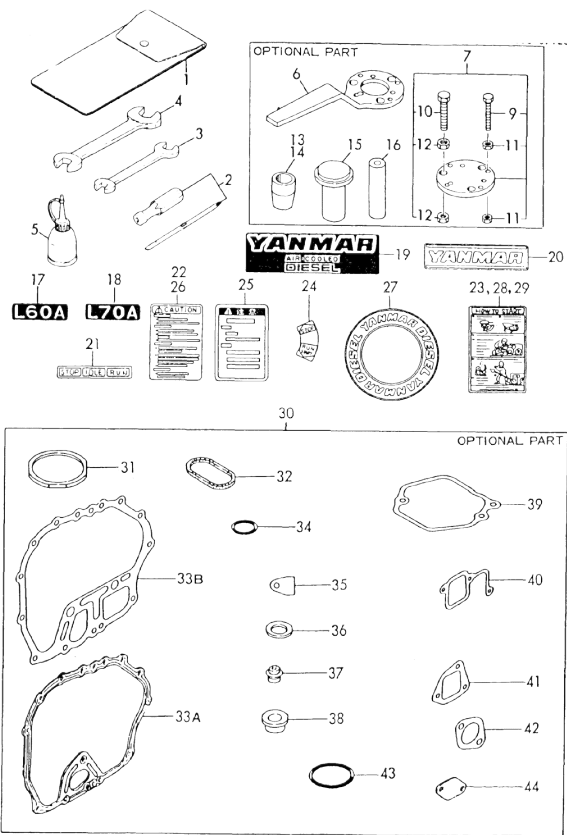


Remarks
(Y) FOR L60AE-SEF, L70AE-SEF.
(H) OPTIONAL PARTS.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
50	3	29220-083200	BULB (12V/3.4W)	1	1			1	1		H
51	2	105198-07120	LABEL, STARTER	1	1			1	1		H
52	2	106100-77630	KEY, STARTER	1	1			1	1		H
53	1	114351-77620	BRACKET, ST.SWITCH	1	1			1	1		H
54	1	114351-77630	WASHER	2	2			2	2		H
55	1	26106-060702	BOLT M 6X 70 PLATED	2	2			2	2		H

Fig.28. TOOLS / LABELS & GASKET SET

Fig.28 TOOL, LABEL & GASKET SET



Remarks
(Y) OPTIONAL PARTS

(A)=
(B)=L60AE-D/DE
(C)=L70AE-D/DE
(D)=
(E)=L60AE-S/SE
(F)=L70AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-92600	BAG, TOOL	1	1			1	1		
2	1	160330-92730	SCREWDRIVER	1	1			1	1		
3	1	28110-100120	WRENCH 10X12	1	1			1	1		
4	1	28110-140170	WRENCH 14X17	1	1			1	1		
5	1	28210-000150	FEEDER, OIL	1	1			1	1		
6	1	114250-92101	F.W. LOCKING HANDLE	1	1			1	1		Y
7	1	114250-92130	REMOVER, FLYWHEEL	1	1			1	1		Y
9	2	26116-060454	BOLT M 6X 45 PLATED	4	4			4	4		Y
10	2	26116-080454	BOLT M 8X 45 PLATED	3	3			3	3		Y
11	2	26716-060002	NUT 6	8	8			8	8		Y
12	2	26716-080002	NUT M 8	6	6			6	6		Y
13	1	114368-92300	GUIDE, OIL SEAL	1	1						Y
14	1	114350-92301	GUIDE, OIL SEAL					1	1		Y
15	1	114350-92311	INSTALLING TOOL	1	1			1	1		Y
16	1	114350-92350	INSTALLING TOOL	1	1			1	1		Y
17A	1	114370-07050	LABEL, (L60A)	1				1			
17B	1	114870-07050	LABEL, (L70A)		1				1		
19	1	114250-07090	LABEL, AIR COOLED	1	1			1	1		
20	1	114250-07110	LABEL, YANMAR	1	1			1	1		
21	1	183250-07230	LABEL, OPERATION	1	1			1	1		
22	1	114268-07240	LABEL, CAUTION	1	1			1	1		
23	1	114250-07250	LABEL, HOW TO START	1	1			1	1		
24	1	114250-07260	LABEL, OPERATION	1	1			1	1		
25	1	114268-07260	LABEL, CAUTION	1	1			1	1		
26	1	114268-07280	LABEL, PRECAUTION	1	1						
27	1	114250-07350	LABEL, YANMAR DIESEL	1	1			1	1		
28	1	114268-07350	LABEL, HOW TO START	1	1			1	1		
29	1	114268-07360	LABEL, HOW TO START(F	1	1						
30A	1	714370-92600	GASKET SET	1				1			
30B	1	714870-92600	GASKET SET			1			1		
31A	2	114350-01340	GASKET, CYL. HEAD	1				1			
31B	2	114870-01340	GASKET, CYL. HEAD		1				1		
32	2	114350-01380	O-RING	1	1			1	1		
33A	2	114350-01411	GASKET, CRANK CASE	1	1			1	1		
33B	2	114350-01412	GASKET, CRANK CASE	1	1			1	1		
34	2	24311-000180	O-RING 1A-P-18.0	2	2			2	2		
35	2	114250-01840	GASKET	1	1			1	1		
36	2	43400-500490	SEAL WASHER 16	2	2			2	2		
37	2	114350-11340	SEAL, VALVE STEM	2	2			2	2		
38	2	114250-11460	GASKET, NOZZLE	1	1			1	1		
39	2	114250-11310	GASKET, BONNET	1	1			1	1		
41A	2	114350-12200	GASKET, AIR INTAKE	1	1			1	1		
41B	2	114350-12201	GASKET, AIR INTAKE	1	1			1	1		
42A	2	114250-12210	GASKET, AIR CLEANER	1	1			1	1		
42C	2	114352-12210	GASKET, AIR CLEANER	1	1			1	1		
43	2	114250-13200	GASKET, MUFFLER	1	1			1	1		
44	2	103338-32570	O-RING	1	1			1	1		
45	2	114250-35270	GASKET, L.O. STRAINER	1	1			1	1		

Exploded view diagram of a 1966-67 Ford Mustang 289 cubic inch V8 engine. The diagram shows the engine block, cylinder head, intake manifold, and various accessories like the alternator, water pump, and distributor. Numerous parts are numbered for identification. A callout box shows "UNDERSIZED PART" with a bolt and nut. A label "CRAWLCHAFT" is visible on the side of the engine block.

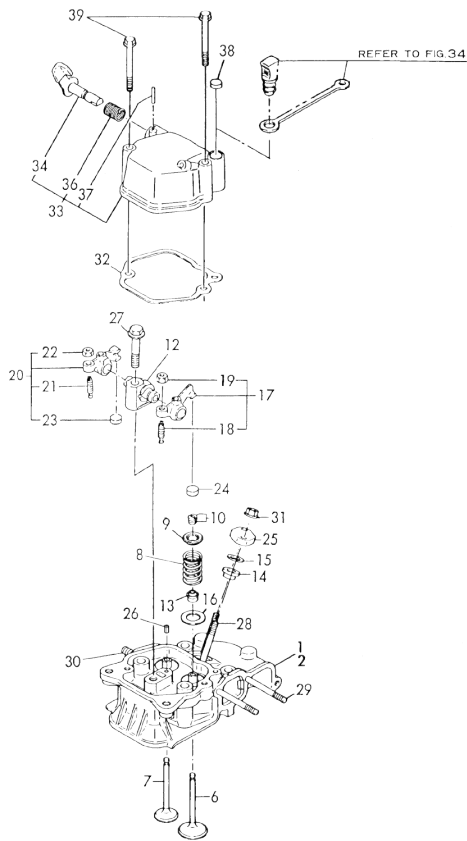
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	71457-1-01560	BLOCK ASSY, CYLINDER	1			1				
1B	1	714671-01560	BLOCK ASSY, CYLINDER		1			1			
1C	1	714970-01560	BLOCK ASSY, CYLINDER			1			1		
3	2	114350-01700	COVER, STARTER	1	1	1	1	1	1		
4	2	26106-100122	BOLT M10X 12 PLATED	2	2	2	2	2	2		
5	1	105025-01220	NUT 10	2	2	2	2	2	2		
6	1	114650-01230	STUD, CYL. HEAD	2	2	2	2	2	2		
7	1	114650-01240	STUD, CYL. HEAD	2	2	2	2	2	2		
8	1	114650-01250	NUT 10	2	2	2	2	2	2		
9	1	114650-01260	WASHER	4	4	4	4	4	4		
10A	1	114550-01340	GASKET, CYL. HEAD	1			1				
10B	1	114650-01340	GASKET, CYL. HEAD		1			1			
10C	1	114970-01340	GASKET, CYL. HEAD			1			1		
11	1	114650-01380	O-RING	1	1	1	1	1	1		
12A	1	114650-01411	GASKET, CRANK CASE				1	1	1		
12B	1	114650-01412	GASKET, CRANK CASE	1	1	1					
13A	1	114660-01470	COVER (D),CRANK CASE	1	1	1					
13B	1	114554-01451	COVER(DP), CRANKCASE	1	1	1					%
13C	1	114650-01452	COVER (S),CRANK CASE				1	1	1		
15	2	114650-02100	BEARING, MAIN	1	1	1	1	1	1		
16	1	105425-01690	PLUG M16	2	2	2	2	2	2		
17	1	160910-01740	CAP, W/LUB.OIL GAUGE	2	2	2	2	2	2		
19	2	24311-000180	O-RING 1A P-18.0	2	2	2	2	2	2		
20	1	114250-01800	SHIM SET	1	1	1	1	1	1		
22	1	114250-01830	COVER, INSPEC.WINDOW	1	1	1	1	1	1		
23	1	114250-01840	GASKET	1	1	1	1	1	1		
24	1	160110-01870	PLUG, RUBBER W/SCREW	1	1	1	1	1	1		
25	1	114250-35150	PIPE, L.O. INLET	1	1	1					
26	1	183250-39450	SENDER, OIL PRESSURE	1	1						Y
27	1	183279-08350	NIPPLE, DRAIN		1						H
28	1	22312-080120	PARALLEL PIN 8X12	2	2	2	2	2	2		
29	1	23871-010000	PLUG PT1/8, SCREW	1	1	1	1	1	1		
30	1	26106-080352	BOLT M 8X 35 PLATED	16	16	16	16	16	16		
31	1	26226-060182	STUD M 6X 18 PLATED	1	1	1	1	1	1		
32	1	26226-060222	STUD M 6X 22 PLATED	2	2	2	2	2	2		
33	1	26366-060002	NUT M 6	3	3	3	3	3	3		
34	1	114250-02030	RETAINER, BEARING	1	1	1	1	1	1		
35	1	114650-02150	BALL BEARING	1	1	1	1	1	1		
36	1	24101-062070	BALL BEARING	1	1	1	1	1	1		
37	1	24162-152112	NEEDLE BEARING	1	1	1	1	1	1		
38	1	24423-355008	SEAL, OIL	2	2	2	2	2	2		
39	1	26106-080122	BOLT M 8X 12 PLATED	1	1	1	1	1	1		
40	1	43400-500490	SEAL WASHER 16	2	2	2	2	2	2		
41	1	114650-02200	MAIN BEARING US=0.25	1	1	1	1	1	1		#
42	1	114650-02210	MAIN BEARING US=0.50	1	1	1	1	1	1		

Remarks
(Y) FOR L75AE/90AE-DGMO/DEGMO
(H) FOR L90AE-DEPAC
(#) UNDERSIZED PARTS
(%) FOR L75AE/90AE/100AE-D(E)P

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

Fig.30. CYLINDER HEAD & BONNET

Fig.30 CYLINDER HEAD & BONNET



(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE

(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114550-11010	HEAD ASSY, CYLINDER	1			1				
2	1	114650-11010	HEAD ASSY, CYLINDER		1	1		1	1		
6	1	114650-11100	VALVE, SUCTION	1	1	1	1	1	1		
7	1	114654-11110	VALVE, EXHAUST	1	1	1	1	1	1		
8	1	114650-11121	SPRING, VALVE	2	2	2	2	2	2		
9	1	119620-11180	RETAINER, SPRING	2	2	2	2	2	2		
10	1	27310-070001	COTTER ASSY	2	2	2	2	2	2		
12	1	114650-11261	SUPPORT, ROCKER ARM	1	1	1	1	1	1		
13	1	114650-11340	SEAL, VALVE STEM	2	2	2	2	2	2		
14	1	114250-11460	GASKET, NOZZLE	1	1	1	1	1	1		
15	1	114350-11470	SPACER, NOZZLE	1	1	1	1	1	1		
16	1	114650-11600	WASHER	2	2	2	2	2	2		
17	1	114650-11652	ARM ASSY, INTAKE	1	1	1	1	1	1		
18	2	114250-11240	SCREW, VALVE ADJUST.	1	1	1	1	1	1		
19	2	26756-060002	LOCK NUT 6	1	1	1	1	1	1		
20	1	714670-11660	ARM ASSY, EXHAUST	1	1	1	1	1	1		
21	3	114250-11240	SCREW, VALVE ADJUST.	1	1	1	1	1	1		
22	3	26756-060002	LOCK NUT 6	1	1	1	1	1	1		
23	2	104211-11370	CAP, VALVE	1	1	1	1	1	1		
24	1	104211-11370	CAP, VALVE	1	1	1	1	1	1		
25	1	114250-11900	RETAINER, NOZZLE	1	1	1	1	1	1		
26	1	22351-040008	SPRING PIN 4X 8	1	1	1	1	1	1		
27	1	26106-100552	BOLT M10X 55 PLATED	1	1	1	1	1	1		
28	1	26226-060502	STUD M 6X 50	2	2	2	2	2	2		
29	1	26226-060752	STUD M 6X 75	2	2	2	2	2	2		
30	1	26226-080202	STUD M 8X 20 PLATED	2	2	2	2	2	2		
31	1	26366-060002	NUT M 6	2	2	2	2	2	2		
32	1	114650-11310	GASKET, BONNET	1	1	1	1	1	1		
33	1	114650-11950	BONNET ASSY, HEAD	1	1	1	1	1	1		
33-1	1	114650-11951	BONNET ASSY, HEAD	1			1	1	1	N	
(A=X)											
34	2	114250-03591	SHAFT ASSY, DECOMP.	1	1	1	1	1	1		
36	2	114250-03640	SPRING	1	1	1	1	1	1		
37	2	22312-030160	PARALLEL PIN 3X16	1	1	1	1	1	1		
38	1	129100-61850	PLUG 12,BORE	1	1	1					Y
39	1	26106-060702	BOLT M 6X 70 PLATED	2	2	2	2	2	2		

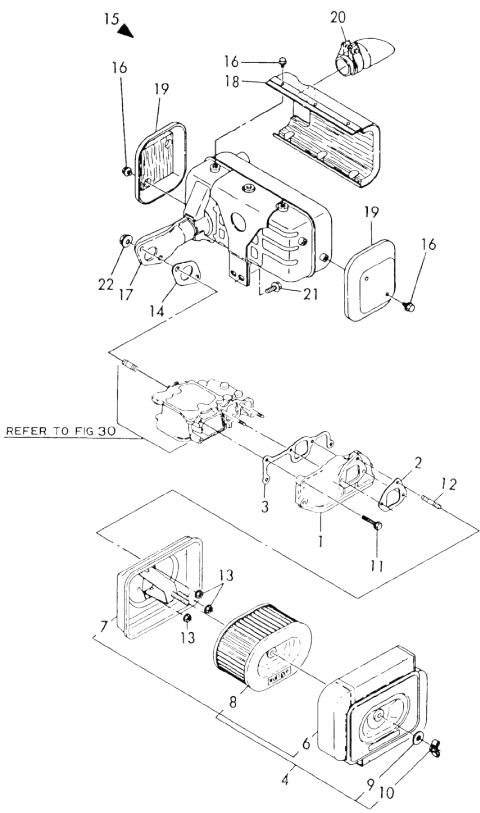
Remarks
(Y) FOR L75AE/90AE/100AE-D(E)P

Fig.31. AIR CLEANER & MUFFLER

(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE

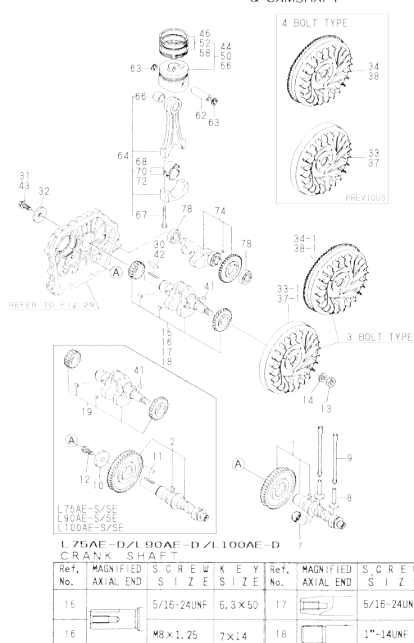
(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

Fig.31 AIR CLEANER & MUFFLER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114650-12020	PIPE, AIR INTAKE	1	1	1	1	1	1		
2	1	114650-12210	GASKET, AIR CLEANER	1	1	1	1	1	1		
3	1	114650-12300	GASKET, AIR INTAKE	1	1	1	1	1	1		
4	1	714650-12560	CLEANER ASSY, AIR	1	1	1	1	1	1		
6	3	114650-12520	COVER, AIR CLEANER	1	1	1	1	1	1		
7	3	114650-12530	CASE, AIR CLEANER	1	1	1	1	1	1		
8	3	114650-12590	ELEMENT W/PRE-FILTER	1	1	1	1	1	1		
9	3	114252-12560	WASHER M 8, SEAL	1	1	1	1	1	1		
10	2	114252-12550	WING-NUT, M 8	1	1	1	1	1	1		
11	1	26106-060252	BOLT M 6X 25 PLATED	3	3	3	3	3	3		
12	1	26226-060142	STUD M 6X 14 PLATED	1	1	1	1	1	1		
13	1	26366-060002	NUT M 6	3	3	3	3	3	3		
14	1	114650-13200	GASKET, MUFFLER	1	1	1	1	1	1		
15	1	114970-13550	MUFFLER ASSY	1	1	1	1	1	1		
16	2	160260-01580	BOLT M 6X 6	10	10	10	10	10	10		
17	2	114970-13560	MUFFLER	1	1	1	1	1	1		
18	2	114970-13700	COVER(A), MUFFLER	1	1	1	1	1	1		
19	2	114970-13710	COVER, MUFFLER	2	2	2	2	2	2		
20	1	114658-13800	EXTENSION, EXH.	1	1	1	1	1	1		#
21	1	26106-080162	BOLT M 8X 16 PLATED	2	2	2	2	2	2		
22	1	26366-080002	NUT M 8	2	2	2	2	2	2		

Remarks
(#) L75AE/90AE/100AE-D(E)TM/S(E)TM
& L75AE/L90AE-D(E)GMO



Ref. No.	MAGNIFIED AXIAL END	S C R E W S I Z E	K E Y S I Z E	Ref. No.	MAGNIFIED AXIAL END	S C R E W S I Z E
15		5/16-24UNF	6,3x50	17		5/16-24UNF
16		M8x1.25	7x14	18		1"-14UNF

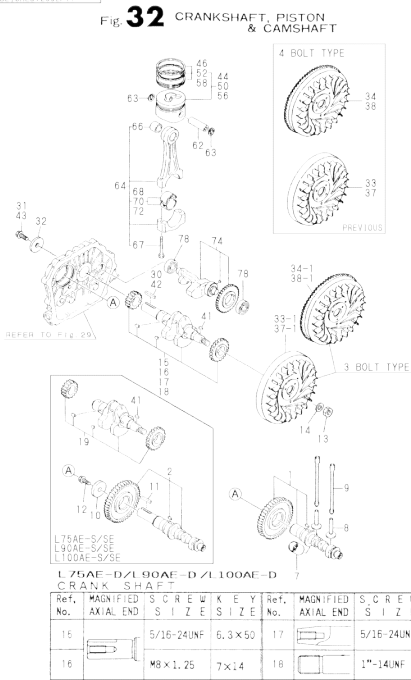
- (1)FOR L75AE/90AE/100AE-D/DE,
L75AE/90AE/100AE-D(E)TM.
- (2)FOR L90AE-DEPAC.
- (3)FOR L75AE/90AE-D(E)GMO.
- (4)FOR L75AE/90AE/100AE-D(E)JP.
- (5)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH FIG.34 NO.17-1.
- (6)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH FIG.34 NO.40-1 &
60-2.
- (7)OVER SIZED & UNDER SIZED PARTS.

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714689-14580	CAMSHAFT(D) ASSY	1							
2	1	714679-14580	CAMSHAFT(S) ASSY				1	1	1		
7	1	114650-14200	TAPPET	2	2	2	2	2			
8	1	114250-14260	TAPPET, FUEL	1	1	1	1	1	1		
9	1	114650-14401	ROD, PUSH	2	2	2	2	2	2		
10	1	145610-83880	RETAINER				1	1	1		
11	1	22512-070360	KEY 7X 36				1	1	1		
12	1	26106-100252	BOLT M10X 25 PLATED				1	1	1		
13	1	122710-01220	NUT M18	1	1	1	1	1	1		
14	1	114650-21551	WASHER, FLYWHEEL	1	1	1	1	1	1		
15	1	714689-21700	CRANKSHAFT ASSY(D/DE		1	1	1				1
16	1	714689-21720	CRANKSHAFT ASSY(EDPAC			1					2
17	1	714689-21730	CRANKSHAFT ASSY(DGMO	1	1						3
18	1	714689-21760	CRANKSHAFT ASSY(DP)	1	1	1					4
19	1	714679-21710	CRANKSHAFT ASSY(S/SE				1	1	1		
30	1	160842-21150	KEY 6.3X50	1	1	1					
31	1	160842-21250	BOLT 7/16-20UNF	1	1	1					
32	1	160842-21260	WASHER	1	1	1					
33	1	114660-21401	FLYWHEEL(D)	1	1	1					
33-1	1	114660-21402	FLYWHEEL(D)	1	1	1					5
	(A*=1999.09)	(B*=1999.09)	(C*=1999.09)								
34	1	114662-21592	FLYWHEEL W/RING GEAR	1	1	1					
34-1	1	114662-21593	FLYWHEEL W/RING GEAR	1	1	1					5
	(A*=1999.09)	(B*=1999.09)	(C*=1999.09)								
37	1	114650-21401	FLYWHEEL(S)				1	1	1		
37-1	1	114650-21402	FLYWHEEL(S)				1	1	1		6
			(D*=1999.09)		(E*=1999.09)		(F*=1999.09)				
38	1	114651-21592	FLYWHEEL W/RING GEAR				1	1	1		
38-1	1	114651-21593	FLYWHEEL W/RING GEAR				1	1	1		6
			(D*=1999.09)		(E*=1999.09)		(F*=1999.09)				
41	1	22512-050140	KEY 5X 14	1	1	1	1	1	1		
42	1	22512-070140	KEY 7X 14		1						
43	1	26106-080202	BOLT M 8X 20 PLATED			1					2
44	1	714560-22723	PISTON W/RINGS	1							
44A	1	714660-22723	PISTON W/RINGS		1						
44B	1	714980-22720	PISTON W/RINGS				1				
44C	1	714550-22723	PISTON W/RINGS				1				
44D	1	714650-22723	PISTON W/RINGS					1			
44E	1	714970-22720	PISTON W/RINGS						1		
46	2	714550-22502	RING SET, PISTON	1			1				
46A	2	714650-22502	RING SET, PISTON		1			1			
46B	2	714970-22500	RING SET, PISTON			1			1		
50	1	714560-22624	PISTON W/RING OS=.25	1							7
50A	1	714660-22624	PISTON W/RING OS=.25		1						7
50B	1	714980-22620	PISTON W/RING OS=.25				1				7
50C	1	714550-22624	PISTON W/RING OS=.25					1			7
50D	1	714650-22624	PISTON W/RING OS=.25						1		7
50E	1	714970-22620	PISTON W/RING OS=.25							1	7
52	2	714550-22542	RING SET O.S=.025	1			1				7
52A	2	714650-22542	RING SET O.S=.025		1			1			7
52B	2	714970-22540	RING SET O.S=.025			1			1		7

N:Old $\xrightarrow{\text{Yes}} \text{New}$, Q:Old $\xrightarrow{\text{No}} \text{New}$, R:Old $\xrightarrow{\text{Yes}} \text{New}$, S:Old $\xrightarrow{\text{No}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.32. CAM/CRANK SHAFT & PISTON/ROD

P/O No.85 No.10043941-2
PUBLISHED:2002/11



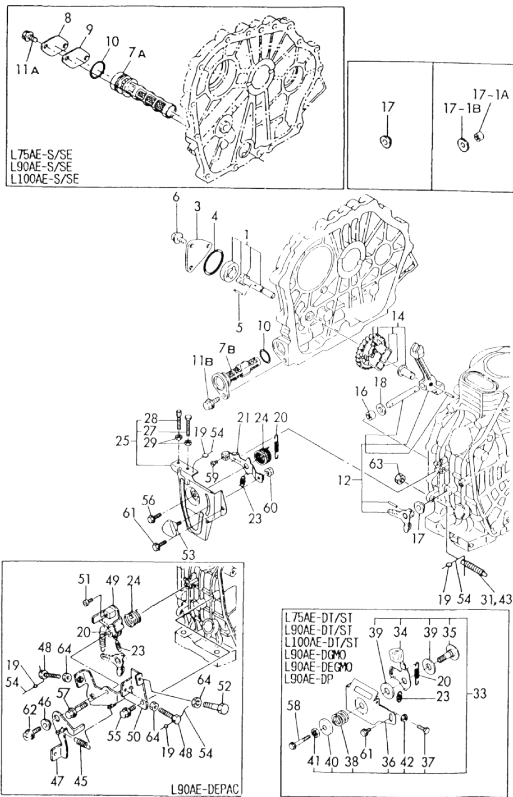
- Remarks
- (1)FOR L75AE/90AE/100AE-D/DE, L75AE/90AE/100AE-D(E)TM.
 - (2)FOR L90AE-DEPAC.
 - (3)FOR L75AE/90AE-D(E)GMO.
 - (4)FOR L75AE/90AE/100AE-D(E)P.
 - (5)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.34 NO.17-1.
 - (6)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.34 NO.40-1 & 60-2.
 - (7)OVER SIZED & UNDER SIZED PARTS.

(A)=L75AE-D/DE (D)=L75AE-S/SE
(B)=L90AE-D/DE (E)=L90AE-S/SE
(C)=L100AE-D/DE (F)=L100AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
56	1	714560-22580	PISTON W/RING OS=0.5	1							7
56A	1	714660-22580	PISTON W/RING OS=0.5		1						7
56B	1	714980-22580	PISTON W/RING OS=0.5			1					7
56C	1	714550-22580	PISTON W/RING OS=0.5				1				7
56D	1	714650-22580	PISTON W/RING OS=0.5					1			7
56E	1	714970-22580	PISTON W/RING OS=0.5						1		7
58	2	714550-22550	RING SET O.S=0.50	1			1				7
58A	2	714650-22550	RING SET O.S=0.50		1			1			7
58B	2	714970-22550	RING SET O.S=0.50			1			1		7
62	1	114650-22300	PIN, PISTON	1	1	1	1	1	1		
63	1	129792-22400	CIRCLIP 23	2	2	2	2	2	2		
64	1	714650-23700	ROD ASSY, CONNECTING	1	1	1	1	1	1		
66	2	124060-23100	BUSH, PISTON PIN	1	1	1	1	1	1		
67	2	104200-23201	BOLT, ROD	2	2	2	2	2	2		
68	2	714650-23600	BEARING, CRANKPIN	1	1	1	1	1	1		
70	1	714650-23610	BEARING,PIN(U.S=0.25	1	1	1	1	1	1		7
72	1	714650-23620	BEARING,PIN(U.S=0.50	1	1	1	1	1	1		7
74	1	714689-28510	SHAFT ASSY, BALANCER	1	1	1	1	1	1		
78	1	24101-062034	BALL BEARING	2	2	2	2	2	2		

Fig.33. L.O. DEVICE & GOVERNOR CONTROL

Fig.33 LUB. OIL PUMP & GOVERNOR



Remarks
(Y) FOR L75AE/90AE-D(E)GMO &
L75AE/90AE/100AE-D(E)P
(#) FOR L75AE/90AE-D(E)GMO
(H) FOR L90AE-DEPAC

(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE

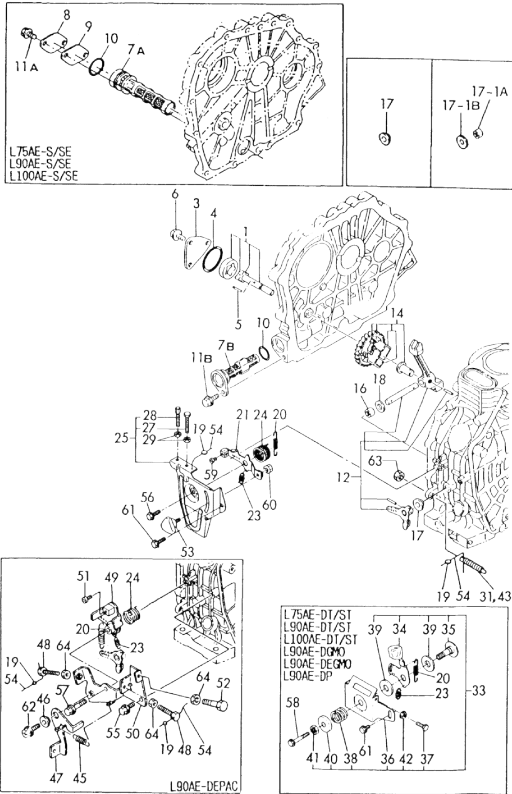
(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114650-32010	PUMP ASSY, LUB.OIL	1	1	1	1	1	1		
3	1	114250-32070	COVER, LUB. OIL PUMP	1	1	1	1	1	1		
4	1	103338-32570	O-RING	1	1	1	1	1	1		
5	1	22312-030160	PARALLEL PIN 3X16	1	1	1	1	1	1		
6	1	26476-060142	BOLT M 6X 14, TAPPING	3	3	3	3	3	3		
7A	1	114250-35060	STRAINER, LUB. OIL				1	1	1		
7B	1	114250-35070	STRAINER, LUB. OIL	1	1	1					
8	1	114250-35250	COVER				1	1	1		
9	1	114250-35270	GASKET, L.O.STRAINER				1	1	1		
10	1	24341-000224	O-RING 1A S-22.4	1	1	1	1	1	1		
11A	1	26106-060122	BOLT M 6X 12 PLATED				2	2	2		
11B	1	26106-060162	BOLT M 6X 16 PLATED	1	1	1					
12	1	714650-61500	LEVER ASSY, GOVERNOR	1	1	1	1	1	1		
14	1	714970-61700	GOVERNOR ASSY	1	1	1	1	1	1		
16	1	121450-61520	NEEDLE BEARING FJ810	2	2	2	2	2	2		
17	1	114250-61900	BUSH, THRUST	1	1	1	1	1	1		
17-1A	1	114770-61600	SEAL, OIL	1							F
(A=X)											
17-1B	1	114770-61610	WASHER, THRUST	1							F
(A=X)											
18	1	22137-080000	WASHER 8, POLISHED	1	1	1	1	1	1		
19	1	135210-61090	LEAD	2	2	2	2	2	2		
20	1	114970-66010	SPRING, REGULATOR	1	1	1	1	1	1		
21	1	114250-66050	HANDLE, REGULATOR	1	1	1	1	1	1		
23	1	114250-66200	SPRING, RETURN	1	1	1	1	1	1		
24	1	114252-66252	SPRING, RETURN	1	1	1	1	1	1		
25	1	714268-66500	BRACKET ASSY,REGULAT	1	1	1	1	1	1		
27	3	114250-66440	BOLT, ADJUSTING	1	1	1	1	1	1		
28	3	102100-67080	BOLT, ADJUSTING	1	1	1	1	1	1		
29	2	26757-060002	LOCK NUT M 6 PLATED	2	2	2	2	2	2		
31	1	114650-66500	TORQUE SPRING ASSY	1	1	1	1	1	1		
33	1	183250-66500	BRACKET ASSY,REGULAT	1	1	1					Y
34	2	183250-66050	HANDLE, REGULATOR	1	1	1					Y
35	2	183250-66070	SHAFT, HANDLE	1	1	1					Y
36	2	183250-66100	BRACKET, REGULATOR	1	1	1					Y
37	2	114250-66440	BOLT, ADJUSTING	1	1	1					Y
38	2	104200-66820	SPRING	1	1	1					Y
39	2	104200-66830	PLATE, FRICTION	2	2	2					Y
40	2	104200-66850	WASHER (B)	1	1	1					Y
41	2	26696-100002	NUT M10	1	1	1					Y
42	2	26757-060002	LOCK NUT M 6 PLATED	1	1	1					Y
43	1	114650-66600	TORQUE SPRING ASSY	1	1						#
45	1	114268-66200	SPRING, RETURN		1						H
46	1	114654-66140	PIECE		1						H
47	1	114650-66150	LEVER, STOP		1						H
48	1	114250-66440	BOLT, ADJUSTING		2						H
49	1	114652-66871	LEVER, REGULATOR		1						H
50	1	114652-66881	BLACKET,LEVER		1						H
51	1	105225-66990	SCREW		1						H
52	1	102100-67080	BOLT, ADJUSTING		1						H
53	1	160725-78350	KNOB (W/M6X15)		1	1	1	1	1	1	

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.33. L.O. DEVICE & GOVERNOR CONTROL

Fig.33 LUB. OIL PUMP & GOVERNOR



(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE

(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

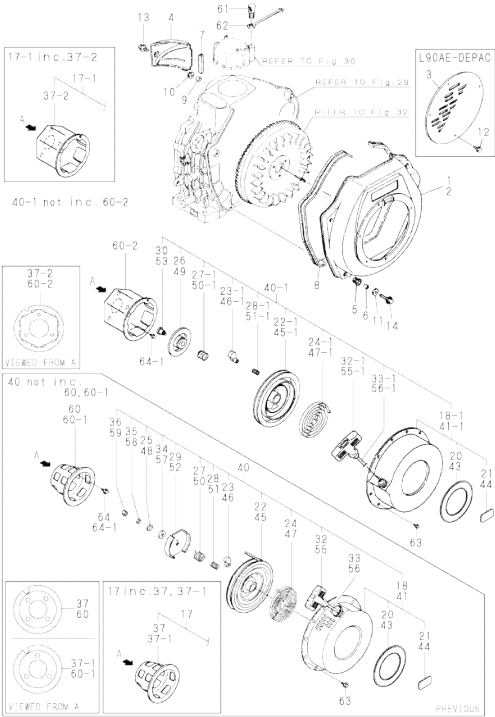
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
54	1	22451-060000	WIRE 0.6	2	2	2	2	2	2		
55	1	26106-060122	BOLT M 6X 12 PLATED		1						H
56	1	26106-060202	BOLT M 6X 20 PLATED	1	1	1	1	1	1		
57	1	26106-060302	BOLT M 6X 30 PLATED		1						H
58	1	26106-060452	BOLT M 6X 45 PLATED	1	1	1					Y
59	1	26116-040088	BOLT M 4X 8 PLATED	1	1	1	1	1	1		
60	1	26346-060002	U-NUT M 6 PLATED	1	1	1	1	1	1		
61	1	26476-060142	BOLT M 6X 14, TAPPING	1	1	1	1	1	1		
62	1	26476-060202	BOLT M 6X 20, TAPPING		1	1					
63	1	26696-100002	NUT M10	1	1	1	1	1	1		
64	1	26757-060002	LOCK NUT M 6 PLATED	2	3	3	2	2	2		

Remarks
(Y) FOR L75AE/90AE-D(E)GMO &
L75AE/90AE/100AE-D(E)P
(#) FOR L75AE/90AE-D(E)GMO
(H) FOR L90AE-DEPAC

Fig.34. COOLING & RECOIL STARTER

P/C No.85 No.Y00R3981-2
PUBLISHED:2002/11

Fig.34 COOLING & STARTING DEVICE



Remarks
(1)FOR L90AE-DEPAC.
(2)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH FIG.32 NO.33-1
OR 34-1.
(3)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH NO.60-2 & FIG.32
NO.37-1 OR 38-1.

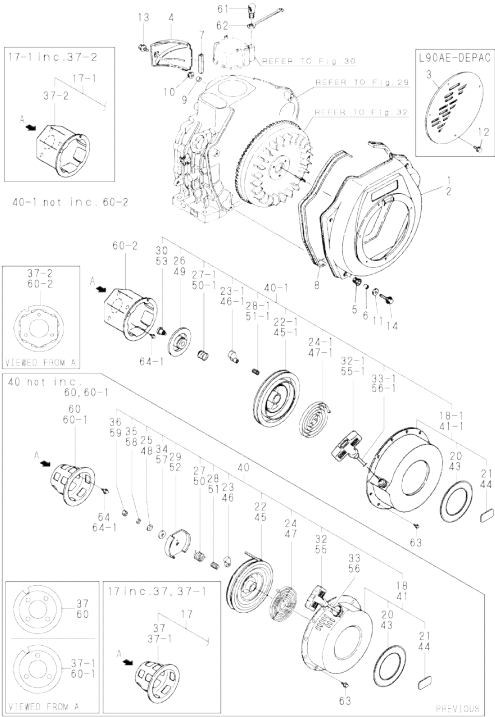
(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE
(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114668-45102	CASE,FAN(SILVER)(17)	1	1	1					
2	1	114658-45102	CASE,FAN(SILVER)(17)				1	1	1		
3	1	114654-45180	COVER, DUST		1						1
4	1	114650-45200	COVER, CYLINDER	1	1	1	1	1	1		
5	1	114250-45300	RUBBER, CUSHION	4	4	4	4	4	4		
6	1	114250-45310	COLLAR	4	4	4	4	4	4		
7	1	114350-45320	RUBBER, SEAL	1	1	1	1	1	1		
8	1	114650-45330	SEAL, FAN CASE	1	1	1	1	1	1		
9	1	114350-45340	COLLAR	1	1	1	1	1	1		
10	1	183720-55210	GROMMET	1	1	1	1	1	1		
11	1	160120-76940	WASHER	4	4	4	4	4	4		
12	1	26106-060082	BOLT M 6X 8 PLATED		4						1
13	1	26476-060202	BOLT M 6X 20, TAPPING	1	1	1	1	1	1		
14	1	26476-060252	BOLT M 6X 25, TAPPING	4	4	4	4	4	4		
17	1	714660-76820	RECOIL(D) W/PULLEY	1	1	1					W
(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)											
17-1	1	714660-76821	RECOIL(D) W/PULLEY	1	1	1					F 2
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
18	2	714660-76831	CASE,STARTER W/LABEL	1	1	1					
18-1	2	714660-76832	CASE,STARTER W/LABEL	1	1	1					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
20	3	114250-07350	LABEL, YANMAR DIESEL	1	1	1					
21	3	114570-07050	LABEL(L75A)	1	1	1					
21A	3	114670-07050	LABEL(L90A)	1	1	1					
21B	3	114970-07050	LABEL(L100A)	1	1	1					
21C	3	183550-07120	LABEL(L75)	1	1	1					
21D	3	183650-07120	LABEL(L90)	1	1	1					
22	2	114650-76520	REEL, RECOIL	1	1	1					
22-1	2	114880-76520	REEL, RECOIL	1	1	1					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
23	2	160910-76530	RATCHET	1	1	1					
23-1	2	114870-76530	RATCHET	2	2	2					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
24	2	114650-76540	SPRING, SPIRAL	1	1	1					
24-1	2	114870-76540	SPRING, SPIRAL	1	1	1					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
25	2	160910-76550	WASHER, THRUST	1	1	1					
26	2	114880-76550	GUIDE, RATCHET	1	1	1					W
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
27	2	160910-76560	SPRING, FRICTION	1	1	1					
27-1	2	114870-76560	SPRING, FRICTION	1	1	1					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
28	2	160910-76570	SPRING, RETURN	1	1	1					
28-1	2	114870-76570	SPRING, RETURN	2	2	2					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
29	2	160910-76580	PLATE, FRICTION	1	1	1					
30	2	114870-76580	SET SCREW	1	1	1					W
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
32	2	160910-76620	KNOB, STARTER	1	1	1					
32-1	2	114870-76620	KNOB, STARTER	1	1	1					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											

Fig.34. COOLING & RECOIL STARTER

P/C No.85 No.Y00R3981-2
PUBLISHED:2002/11

Fig.34 COOLING & STARTING DEVICE

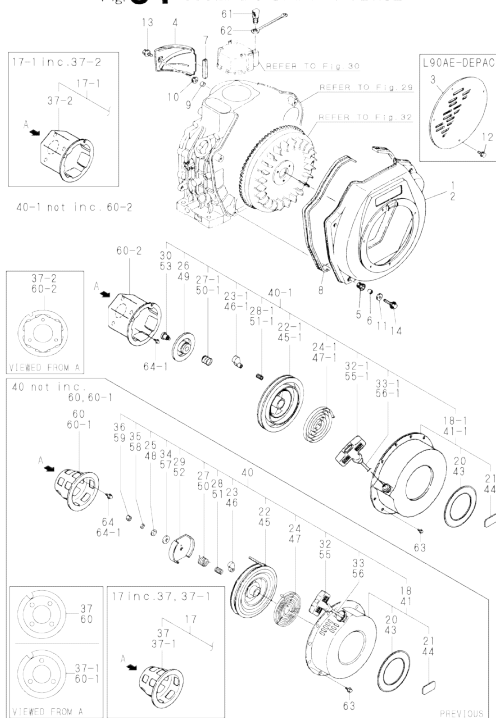


Remarks
(1)FOR L90AE-DEPAC.
(2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.32 NO.33-1 OR 34-1.
(3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.60-2 & FIG.32 NO.37-1 OR 38-1.

(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE
(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
33	2	160910-76630	ROPE, STARTER	1	1	1					
33-1	2	114650-76631	ROPE, STARTER	1	1	1					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
34	2	160910-76650	WASHER (B)	1	1	1					
35	2	22217-060000	SPRING WASHER 6	1	1	1					
36	2	26717-060002	NUT M 6	1	1	1					
37	2	114660-76590	PULLEY, STARTER	1	1	1					
37-1	2	114660-76591	PULLEY, STARTER	1	1	1					S
(A=*1999.08) (B=*1999.08) (C=*1999.08)											
37-2	2	114660-76592	PULLEY, STARTER	1	1	1					S
(A=*2000.06) (B=*2000.06) (C=*2000.06)											
40	1	714650-76820	RECOIL(S) W/O PULLEY							1	W
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
40-1	1	714650-76821	RECOIL(S) W/O PULLEY							1	F 3
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
41	2	714650-76831	CASE, STARTER W/LABEL							1	1
41-1	2	714650-76832	CASE, STARTER W/LABEL							1	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
43	3	114250-07350	LABEL, YANMAR DIESEL							1	1
44	3	114570-07050	LABEL(L75A)							1	1
44A	3	114670-07050	LABEL(L90A)							1	1
44B	3	114970-07050	LABEL(L100A)							1	1
44C	3	183550-07120	LABEL(L75)							1	1
44D	3	183650-07120	LABEL(L90)							1	1
45	2	114650-76520	REEL, RECOIL							1	1
45-1	2	114880-76520	REEL, RECOIL							1	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
46	2	160910-76530	RATCHET							1	1
46-1	2	114870-76530	RATCHET							2	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
47	2	114650-76540	SPRING, SPIRAL							1	1
47-1	2	114870-76540	SPRING, SPIRAL							1	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
48	2	160910-76550	WASHER, THRUST							1	1
49	2	114870-76550	GUIDE, RATCHET							1	W
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
50	2	160910-76560	SPRING, FRICTION							1	1
50-1	2	114870-76560	SPRING, FRICTION							1	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
51	2	160910-76570	SPRING, RETURN							1	1
51-1	2	114870-76570	SPRING, RETURN							2	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
52	2	160910-76580	PLATE, FRICTION							1	1
53	2	114870-76580	SET SCREW							1	W
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
55	2	160910-76620	KNOB, STARTER							1	1
55-1	2	114870-76620	KNOB, STARTER							1	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											
56	2	160910-76630	ROPE, STARTER							1	1
56-1	2	114650-76631	ROPE, STARTER							1	S
(D=*2000.06) (E=*2000.06) (F=*2000.06)											

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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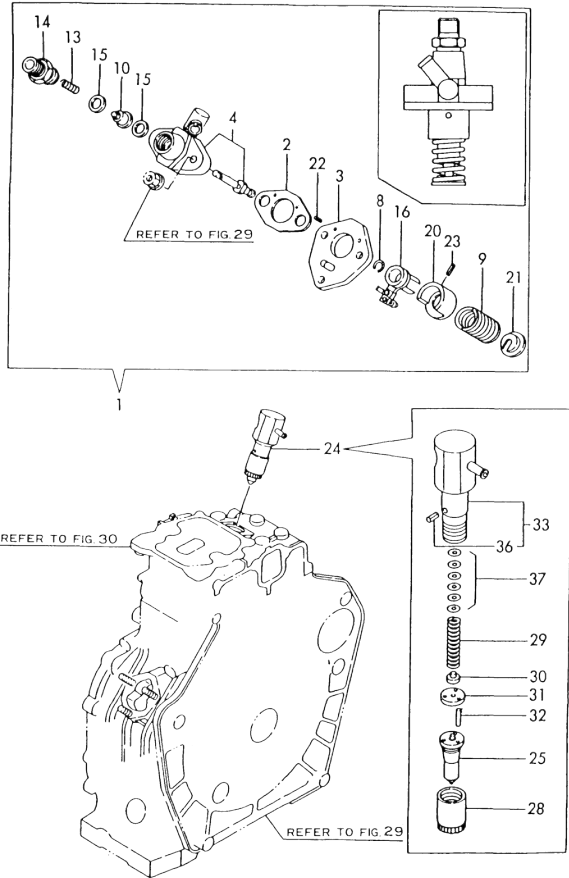
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
57	2	160910-76650	WASHER (B)				1	1	1		
58	2	22217-060000	SPRING WASHER 6				1	1	1		
59	2	26717-060002	NUT M 6				1	1	1		
60	1	114660-76590	PULLEY, STARTER				1	1	1		
60-1	1	114660-76591	PULLEY, STARTER				1	1	1		S
(D=1999.06)				(E=1999.06)			(F=1999.06)				
60-2	1	114660-76592	PULLEY, STARTER				1	1	1		S
(D=2000.06)				(E=2000.06)			(F=2000.06)				
61	1	114250-76600	PLUNGER		1	1	1	1	1	1	
62	1	114250-76610	HOLDER, PLUNGER		1	1	1	1	1	1	
63	1	26106-060082	BOLT M 6X 8 PLATED		4	4	4	4	4	4	
64	1	26106-060122	BOLT M 6X 12 PLATED		4	4	4	4	4	4	
64-1	1	26106-060122	BOLT M 6X 12 PLATED		3	3	3	3	3	3	K
(A=1999.08) (B=1999.08) (C=1999.08)				(D=1999.08)			(E=1999.08)			(F=1999.08)	

(1)FOR L90AE-DEPAC.
(2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.32 NO.33-1 OR 34-1.
(3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.60-2 & FIG.32 NO.37-1 OR 38-1.

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.35. FUEL INJECTION PUMP & VALVE

Fig. **35** FUEL INJECTION PUMP & VALVE

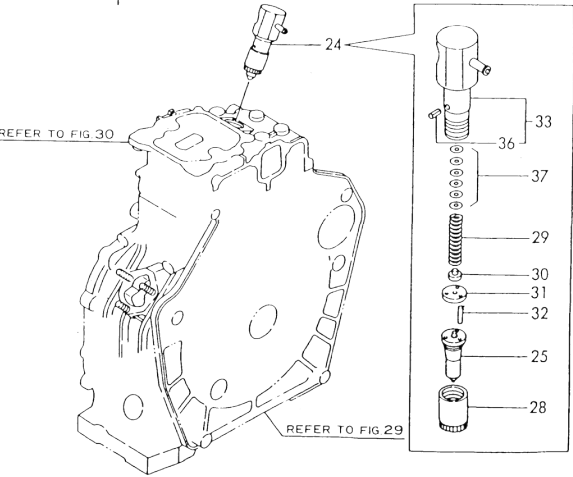
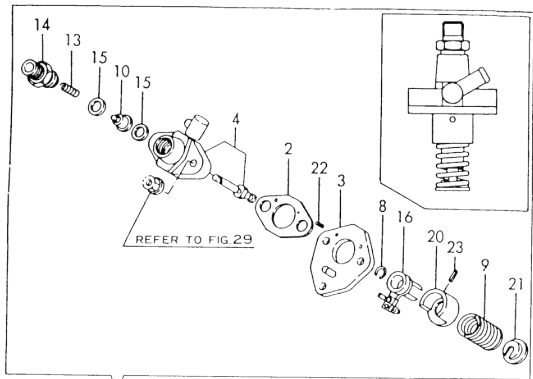


(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE
(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	714550-51700	PUMP ASSY, F.INJECT.	1							
1B	1	714650-51700	PUMP ASSY, F.INJECT.		1			1			
1C	1	714970-51700	PUMP ASSY, F.INJECT.			1				1	
2	2	105546-51020	GASKET	1	1	1	1	1	1		
3	2	114250-51080	PLATE	1	1	1	1	1	1		
4A	2	114650-51100	BODY, F.I. PUMP	1	1		1	1			
4B	2	114970-51100	BODY, F. I. PUMP			1			1		
8	2	114250-51150	RING, SNAP	1	1	1	1	1	1		
9	2	114250-51160	SPRING	1	1	1	1	1	1		
10	2	114650-51300	VALVE ASSY, DELIVERY	1	1	1	1	1	1		
13	2	105546-51330	SPRING, DELIV. VALVE	1	1	1	1	1	1		
14	2	114250-51340	HOLDER, F.I.P.DELIVE	1	1	1	1	1	1		
15	2	124550-51350	GASKET, DELIVERY	2	2	2	2	2	2		
16	2	114250-51600	LEVER ASSY, CONTROL	1	1	1	1	1	1		
20	2	114250-51640	SEAT (A), SPRING	1	1	1	1	1	1		
21	2	114250-51650	SEAT (B), SPRING	1	1	1	1	1	1		
22	2	22351-020006	SPRING PIN 2X 6	2	2	2	2	2	2		
23	2	22351-030008	SPRING PIN 3X 8	1	1	1	1	1	1		
24	1	714650-53100	VALVE ASSY, F.INJECT	1	1	1	1	1	1		
25	2	114650-53000	NOZZLE ASSY,F.INJECT	1	1	1	1	1	1		
28	2	114250-53080	NUT, NOZZLE CASE	1	1	1	1	1	1		
29	2	114250-53120	SPRING, NOZZLE	1	1	1	1	1	1		
30	2	114250-53130	SEAT, NOZZLE SPRING	1	1	1	1	1	1		
31	2	114250-53140	PLATE, STOP	1	1	1	1	1	1		
32	2	114250-53210	PIN	2	2	2	2	2	2		
33	2	114650-53300	HOLDER ASSY, NOZZLE	1	1	1	1	1	1		
36	3	114250-53331	PIN, SPRING	1	1	1	1	1	1		
37	2	114250-53400	SHIM PACK	1	1	1	1	1	1		

Fig.36. FUEL INJECTION PUMP & VALVE

Fig.36 FUEL INJECTION PUMP & VALVE

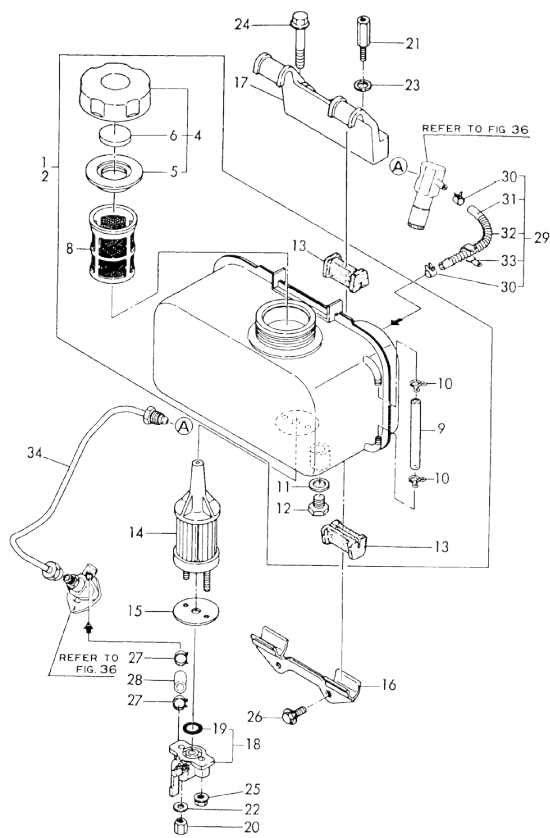


(A)=L75AE-D(E)TM
(D)=L75AE-S(E)TM
(B)=L90AE-D(E)TM
(E)=L90AE-S(E)TM
(C)=L100AE-DETM
(F)=L100AE-SETM

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	783550-51740	PUMP ASSY, F.INJECT.	1			1				
1B	1	783650-51740	PUMP ASSY, F.INJECT.		1			1			
1C	1	783986-51740	PUMP ASSY, F.INJECT.			1					
2	2	105546-51020	GASKET	1	1	1	1	1	1		
3	2	114250-51080	PLATE	1	1	1	1	1	1		
4A	2	183650-51400	BODY, F. I. PUMP	1	1		1	1			
4B	2	183986-51400	BODY, F. I. PUMP			1			1		
8	2	114250-51150	RING, SNAP	1	1	1	1	1	1		
9	2	114250-51160	SPRING	1	1	1	1	1	1		
10	2	114650-51300	VALVE ASSY, DELIVERY	1	1	1	1	1	1		
13	2	105546-51330	SPRING, DELIV. VALVE	1	1	1	1	1	1		
14	2	114250-51340	HOLDER, F.I.P.DELIVE	1	1	1	1	1	1		
15	2	124550-51350	GASKET, DELIVERY	2	2	2	2	2	2		
16	2	114250-51600	LEVER ASSY, CONTROL	1	1	1	1	1	1		
20	2	114250-51640	SEAT (A), SPRING	1	1	1	1	1	1		
21	2	114250-51650	SEAT (B), SPRING	1	1	1	1	1	1		
22	2	22351-020006	SPRING PIN 2X 6	2	2	2	2	2	2		
23	2	22351-030008	SPRING PIN 3X 8	1	1	1	1	1	1		
24	1	714650-53100	VALVE ASSY, F.INJECT	1	1	1	1	1	1		
25	2	114650-53000	NOZZLE ASSY,F.INJECT	1	1	1	1	1	1		
28	2	114250-53080	NUT, NOZZLE CASE	1	1	1	1	1	1		
29	2	114250-53120	SPRING, NOZZLE	1	1	1	1	1	1		
30	2	114250-53130	SEAT, NOZZLE SPRING	1	1	1	1	1	1		
31	2	114250-53140	PLATE, STOP	1	1	1	1	1	1		
32	2	114250-53210	PIN	2	2	2	2	2	2		
33	2	114650-53300	HOLDER ASSY, NOZZLE	1	1	1	1	1	1		
36	3	114250-53331	PIN, SPRING	1	1	1	1	1	1		
37	2	114250-53400	SHIM PACK	1	1	1	1	1	1		

Fig.37. FUEL TANK & FUEL PIPE

Fig.37 FUEL TANK & FUEL LINE



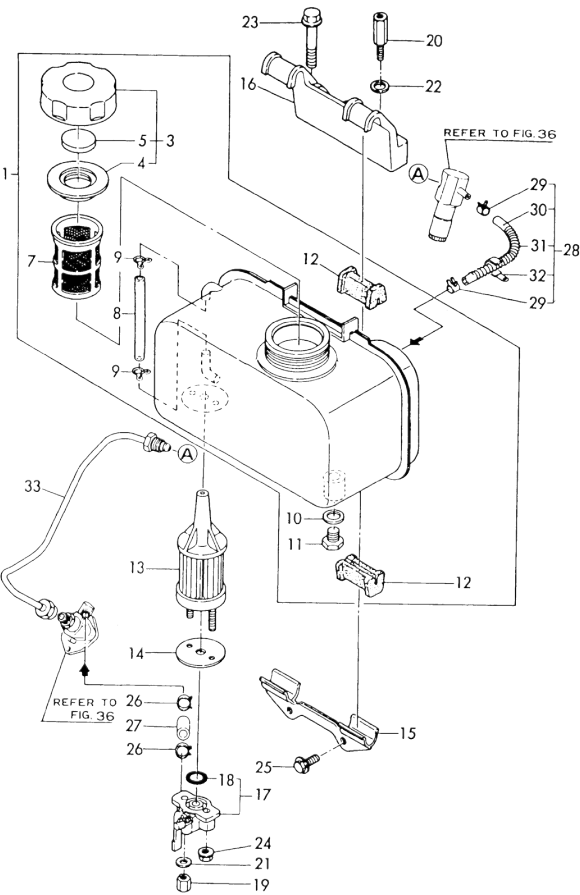
Remarks
(H) FOR L75AE/90AE-D(E)GMO

(A)=L75AE-D/DE
(B)=L90AE-D/DE
(C)=L100AE-D/DE
(D)=L75AE-S/SE
(E)=L90AE-S/SE
(F)=L100AE-S/SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714569-55701	TANK ASSY, FUEL(D/S)	1	1	1	1	1	1		
2	1	714668-55721	TANK ASSY.FUEL(DGMO	1	1						H
4	2	114250-55041	CAP, TANK	1	1	1	1	1	1		
5	3	114250-55050	GASKET, TANK CAP	1	1	1	1	1	1		
6	3	114250-55060	SEAL	1	1	1	1	1	1		
8	2	114250-55100	FILTER, FUEL	1	1	1	1	1	1		
9	2	114650-55150	PIPE, GAUGE	1	1	1	1	1	1		
10	2	124722-59050	CLAMP 9	2	2	2	2	2	2		
11	2	23414-120000	GASKET 12, ROUND	1	1	1	1	1	1		
12	2	23887-120002	PLUG 12,HEX.	1	1	1	1	1	1		
13	2	114250-55201	DAMPER, FUEL TANK	4	4	4	4	4	4		
14	1	114650-55120	FILTER, FUEL OIL	1	1	1	1	1	1		
15	1	114250-55130	GASKET	1	1	1	1	1	1		
16	1	114250-55211	STAY (A)	1	1	1	1	1	1		
17	1	114650-55230	STAY (B)	1	1	1	1	1	1		
18	1	114250-55300	COCK ASSY, FUEL	1	1	1	1	1	1		
19	2	24341-000150	O-RING 1A S-15.0	1	1	1	1	1	1		
20	1	114252-55800	NUT	1	1	1	1	1	1		
21	1	114650-55810	BOLT, LIFTING	1	1	1	1	1	1		
22	1	22117-060000	WASHER 6	1	1	1	1	1	1		
23	1	22117-080000	WASHER 8	1	1	1	1	1	1		
24	1	26106-080452	BOLT M 8X 45 PLATED	1	1	1	1	1	1		
25	1	26366-060002	NUT M 6	1	1	1	1	1	1		
26	1	26476-060142	BOLT M 6X 14, TAPPING	2	2	2	2	2	2		
27	1	106990-44660	CLIP,HOSE	2	2	2	2	2	2		
28	1	114250-59050	PIPE, FUEL OIL	1	1	1	1	1	1		
29	1	114652-59300	PIPE, FUEL RETURN	1	1	1	1	1	1		
30	2	124722-59050	CLAMP 9	2	2	2	2	2	2		
31	2	114250-59060	PIPE, FUEL RETURN	1	1	1	1	1	1		
32	2	114652-59310	TUBE, PROTECT	1	1	1	1	1	1		
33	2	121750-59890	CLAMP 140	1	1	1	1	1	1		
34	1	114650-59800	PIPE, FUEL INJECTION	1	1	1	1	1	1		

Fig.38. FUEL TANK & FUEL PIPE

Fig.38 FUEL TANK & FUEL LINE

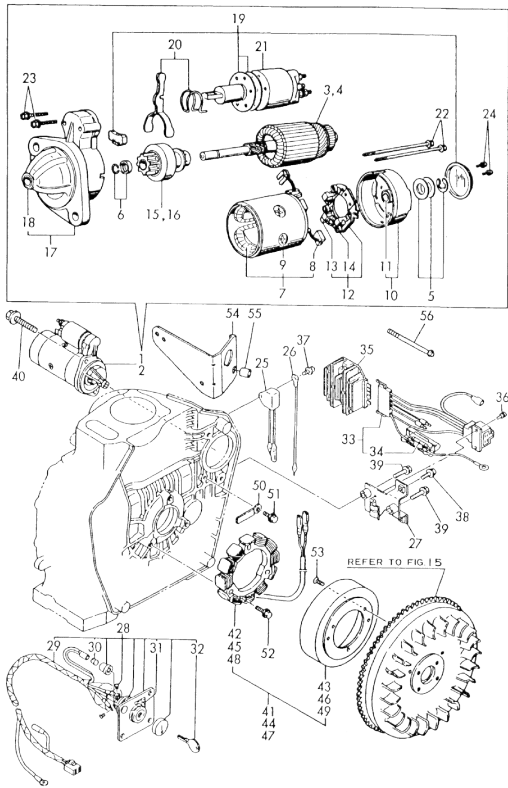


(A)=L75AE-D(E)TM
(D)=L75AE-S(E)TM
(B)=L90AE-D(E)TM
(E)=L90AE-S(E)TM
(C)=L100AE-DETM
(F)=L100AE-SETM

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	714668-55700	TANK ASSY.(DTM/STM)	1	1	1	1	1	1		
3	2	114250-55041	CAP, TANK	1	1	1	1	1	1		
4	3	114250-55050	GASKET, TANK CAP	1	1	1	1	1	1		
5	3	114250-55060	SEAL	1	1	1	1	1	1		
7	2	114250-55100	FILTER, FUEL	1	1	1	1	1	1		
8	2	114650-55150	PIPE, GAUGE	1	1	1	1	1	1		
9	2	124722-59050	CLAMP 9	2	2	2	2	2	2		
10	2	23414-120000	GASKET 12, ROUND	1	1	1	1	1	1		
11	2	23887-120002	PLUG 12,HEX.	1	1	1	1	1	1		
12	2	114250-55201	DAMPER, FUEL TANK	4	4	4	4	4	4		
13	1	114650-55120	FILTER, FUEL OIL	1	1	1	1	1	1		
14	1	114250-55130	GASKET	1	1	1	1	1	1		
15	1	114250-55211	STAY (A)	1	1	1	1	1	1		
16	1	114650-55230	STAY (B)	1	1	1	1	1	1		
17	1	114250-55300	COCK ASSY, FUEL	1	1	1	1	1	1		
18	2	24341-000150	O-RING 1A S-15.0	1	1	1	1	1	1		
19	1	114252-55800	NUT	1	1	1	1	1	1		
20	1	114650-55810	BOLT, LIFTING	1	1	1	1	1	1		
21	1	22117-060000	WASHER 6	1	1	1	1	1	1		
22	1	22117-080000	WASHER 8	1	1	1	1	1	1		
23	1	26106-080452	BOLT M 8X 45 PLATED	1	1	1	1	1	1		
24	1	26366-060002	NUT M 6	1	1	1	1	1	1		
25	1	26476-060142	BOLT M 6X 14,TAPPING	2	2	2	2	2	2		
26	1	106990-44660	CLIP,HOSE	2	2	2	2	2	2		
27	1	114250-59050	PIPE, FUEL OIL	1	1	1	1	1	1		
28	1	114652-59300	PIPE, FUEL RETURN	1	1	1	1	1	1		
29	2	124722-59050	CLAMP 9	2	2	2	2	2	2		
30	2	114250-59060	PIPE, FUEL RETURN	1	1	1	1	1	1		
31	2	114652-59310	TUBE, PROTECT	1	1	1	1	1	1		
32	2	121750-59890	CLAMP 140	1	1	1	1	1	1		
33	1	114650-59810	PIPE, FUEL INJECTION	1	1	1	1	1	1		

Fig.39. STARTING MOTOR & DYNAMO

Fig.39 STARTING MOTOR & DYNAMO



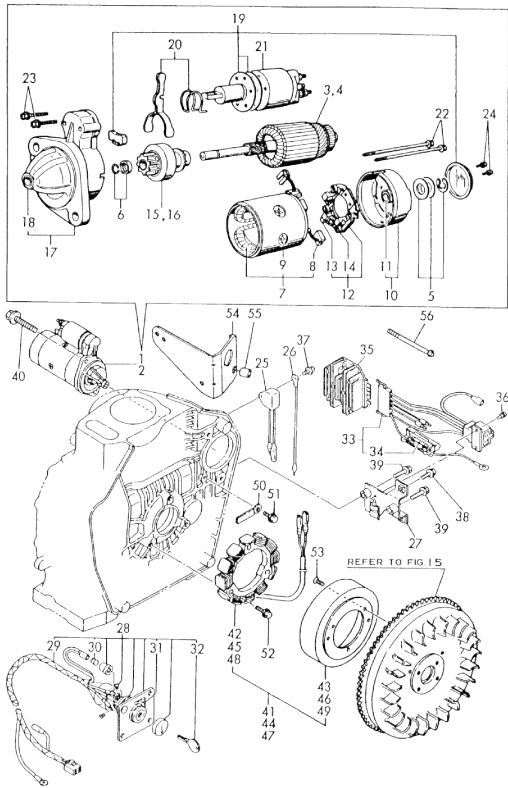
Remarks
(Y) FOR L90AE-DEPAC, L75AE/90AE/100AE
-D(E)P
(#) FOR L90AE-DEPAC
(%) OPTIONAL PARTS
(H) FOR L75AE/90AE/100AE-D(E)P

OCR10-M39801 Fig.39
(A)=L75AE-DE (D)=L75AE-SE
(B)=L90AE-DE (E)=L90AE-SE
(C)=L100AE-DE (F)=L100AE-SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114362-77010	STARTER (S114-414A)	1	1	1					
2	1	114351-77010	STARTER (S114-413A)				1	1	1		
3	2	X211461104	ARMATURE	1	1	1					
4	2	X211461008	ARMATURE					1	1	1	
5	2	X21148110	WASHER SET, THRUST	1	1	1	1	1	1		
6	2	X21147155	STOPPER SET, PINION	1	1	1	1	1	1		
7	3	X211412105	COIL ASSY, FIELD	1	1	1	1	1	1		
8	3	X21145312	BRUSH (+)	2	2	2	2	2	2		
9	3	X21143215	SCREW, CORE	4	4	4	4	4	4		
10	2	X211473002	COVER, REAR	1	1	1	1	1	1		
11	3	X21145352	METAL	1	1	1	1	1	1		
12	2	X211489001	HOLDER ASSY, BRUSH	1	1	1	1	1	1		
13	3	X21148313	BRUSH (-)	1	1	1	1	1	1		
14	3	X21149314	SPRING, BRUSH	3	3	3	3	3	3		
15	2	X211445508	PINION ASSY	1	1	1					
16	2	X211445504	PINION ASSY					1	1	1	
17	2	X211416603	HOUSING ASSY, GEAR	1	1	1	1	1	1		
18	3	X21145352	METAL	1	1	1	1	1	1		
19	2	X211478006	COVER KIT, DUST	1	1	1	1	1	1		
20	2	X211456013	LEVER KIT, SHIFT	1	1	1	1	1	1		
21	2	X211427501	SWITCH, MAGNETIC	1	1	1	1	1	1		
22	2	X211468005	BOLT, THROUGH	2	2	2	2	2	2		
23	2	X21145867	BOLT 6	2	2	2	2	2	2		
24	2	X21142835	SCREW SET	1	1	1	1	1	1		
25	1	160970-77350	RECTIFIER	1	1	1	1	1	1		
26	1	183350-77400	WIRE, LEAD	1	1	1	1	1	1		
27	1	114253-77410	BRACKET	1	1	1					Y
27-1	1	114385-77400	BRACKET	1	1	1					R Y
(A=X)											
28	1	114351-77500	PANEL ASSY,KEYSWITCH	1	1	1					H
29	2	114351-77700	HARNESS, WIRE	1	1	1					H
30	3	29220-083200	BULB (12V/3.4W)	1	1	1					H
31	2	105198-07120	LABEL, STARTER	1	1	1					H
32	2	106100-77630	KEY, STARTER	1	1	1					H
33	1	114351-77540	HARNESS, WIRE	1	1	1					Y
34	2	29411-150000	FUSE (15A),CARTRIDGE	2	2	2					Y
35	1	119660-77710	CURRENT LIMITER(15A)	1	1	1					Y
36	1	26023-040102	SCREW M 4X 10	2	2	2					Y
37	1	26106-060122	BOLT M 6X 12 PLATED	1	1	1					Y
38	1	26106-060202	BOLT M 6X 20 PLATED	2	2	2					Y
39	1	26106-060252	BOLT M 6X 25 PLATED	2	2	2		2	2	2	
39-1	1	26106-060122	BOLT M 6X 12 PLATED	2	2	2				2	R
(A=X)											
40	1	26106-100302	BOLT M10X 30 PLATED	2	2	2		2	2	2	
41	1	114351-78250	DYNAMO ASSY	1	1	1	1	1	1	1	
42	2	114351-78750	STATOR ASSY	1	1	1	1	1	1	1	
43	2	114351-78760	WHEEL, DYNAMO	1	1	1	1	1	1	1	
44	1	114351-78260	DYNAMO ASSY (12V-3A)	1	1	1					H
45	2	114351-78770	STATOR ASSY,(132.1MM	1	1	1					H
46	2	114351-78780	WHEEL (STATOR)132.1MM	1	1	1					H
47	1	114351-78290	DYNAMO ASSY (12V-15A	1							#

Fig.39. STARTING MOTOR & DYNAMO

Fig.39 STARTING MOTOR & DYNAMO



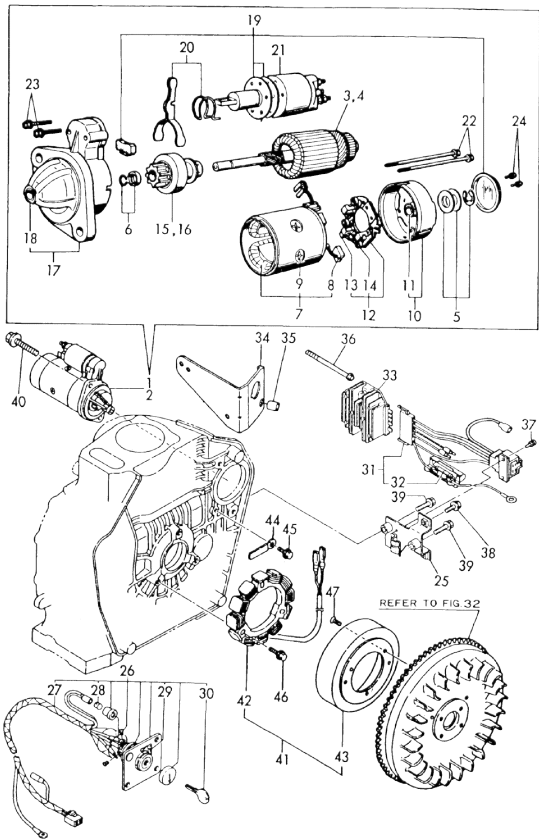
Remarks
(Y) FOR L90AE-DEPAC, L75AE/90AE/100AE
-D(E)P
(#) FOR L90AE-DEPAC
(%) OPTIONAL PARTS
(H) FOR L75AE/90AE/100AE-D(E)P

OCR10-M39801 Fig.39
(A)=L75AE-DE (D)=L75AE-SE
(B)=L90AE-DE (E)=L90AE-SE
(C)=L100AE-DE (F)=L100AE-SE

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	2	114351-78830	STATOR ASSY.(132.1MM		1						#
49	2	114351-78840	WHEEL (STATOR)132.1MM		1						#
50	1	160710-78710	CLAMP, CORD	1	1	1	1	1	1		
51	1	26476-060142	BOLT M 6X 14, TAPPING	1	1	1	1	1	1		
52	1	26476-060202	BOLT M 6X 20, TAPPING	3	3	3	3	3	3		
53	1	26577-060142	SCREW M 6X 14	3	3	3	3	3	3		
54	1	114351-77620	BRACKET, ST.SWITCH	1	1	1	1	1	1		%
55	1	114351-77630	WASHER	2	2	2	2	2	2		%
56	1	26106-060702	BOLT M 6X 70 PLATED	2	2	2	2	2	2		%

Fig.40. STARTING MOTOR & DYNAMO

Fig.40 STARTING MOTOR & DYNAMO

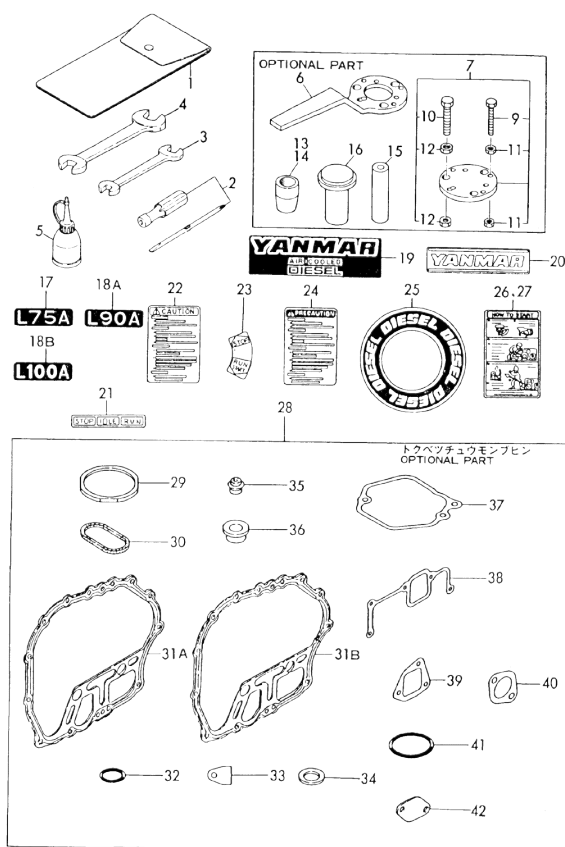


Remarks
(H) OPTIONAL PARTS

OCR10-M39801 Fig.40
(A)=H030E-DETM (D)=L75AE-SETM
(B)=L90AE-DETM (E)=L90AE-SETM
(C)=L100AE-DETM (F)=L100AE-SETM

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114362-77010	STARTER (S114-414A)	1	1	1					
2	1	114351-77010	STARTER (S114-413A)				1	1	1		
3	2	X211461104	ARMATURE	1	1	1					
4	2	X211461008	ARMATURE				1	1	1		
5	2	X21148110	WASHER SET, THRUST	1	1	1	1	1	1		
6	2	X21147155	STOPPER SET, PINION	1	1	1	1	1	1		
7	3	X211412105	COIL ASSY, FIELD	1	1	1	1	1	1		
8	3	X21145312	BRUSH (+)	2	2	2	2	2	2		
9	3	X21143215	SCREW, CORE	4	4	4	4	4	4		
10	2	X211473002	COVER, REAR	1	1	1	1	1	1		
11	3	X21145352	METAL	1	1	1	1	1	1		
12	2	X211489001	HOLDER ASSY, BRUSH	1	1	1	1	1	1		
13	3	X21148313	BRUSH (-)	1	1	1	1	1	1		
14	3	X21149314	SPRING, BRUSH	3	3	3	3	3	3		
15	2	X211445508	PINION ASSY	1	1	1					
16	2	X211445504	PINION ASSY				1	1	1		
17	2	X211416603	HOUSING ASSY, GEAR	1	1	1	1	1	1		
18	3	X21145352	METAL	1	1	1	1	1	1		
19	2	X211478006	COVER KIT, DUST	1	1	1	1	1	1		
20	2	X211456013	LEVER KIT, SHIFT	1	1	1	1	1	1		
21	2	X211427501	SWITCH, MAGNETIC	1	1	1	1	1	1		
22	2	X211468005	BOLT, THROUGH	2	2	2	2	2	2		
23	2	X21145867	BOLT 6	2	2	2	2	2	2		
24	2	X21142835	SCREW SET	1	1	1	1	1	1		
25	1	114253-77410	BRACKET	1	1	1	1	1	1		
25-1	1	114385-77400	BRACKET	1							R
(A=X)											
26	1	114351-77500	PANEL ASSY,KEYSWITCH	1	1	1	1	1	1		
27	2	114351-77700	HARNESS, WIRE	1	1	1	1	1	1		
28	3	29220-083200	BULB (12V/3.4W)	1	1	1	1	1	1		
29	2	105198-07120	LABEL, STARTER	1	1	1	1	1	1		
30	2	106100-77630	KEY, STARTER	1	1	1	1	1	1		
31	1	114351-77540	HARNESS, WIRE	1	1	1	1	1	1		
32	2	29411-150000	FUSE (15A),CARTRIDGE	2	2	2	2	2	2		
33	1	119660-77710	CURRENT LIMITER(15A)	1	1	1	1	1	1		
34	1	114351-77620	BRACKET, ST.SWITCH	1	1	1	1	1	1		H
35	1	114351-77630	WASHER	2	2	2	2	2	2		H
36	1	26106-060702	BOLT M 6X 70 PLATED	2	2	2	2	2	2		H
37	1	26023-040102	SCREW M 4X 10	2	2	2	2	2	2		
38	1	26106-060202	BOLT M 6X 20 PLATED	2	2	2	2	2	2		
39	1	26106-060252	BOLT M 6X 25 PLATED	2	2	2	2	2	2		
39-1	1	26106-060122	BOLT M 6X 12 PLATED	2							N
(A=X)											
40	1	26106-100302	BOLT M10X 30 PLATED	2	2	2	2	2	2		
41	1	114351-78260	DYNAMO ASSY (12V-3A)	1	1	1	1	1	1		
42	2	114351-78770	STATOR ASSY,(132.1MM	1	1	1	1	1	1		
43	2	114351-78780	WHEEL (STATOR132.1MM	1	1	1	1	1	1		
44	1	160710-78710	CLAMP, CORD	1	1	1	1	1	1		
45	1	26476-060142	BOLT M 6X 14, TAPPING	1	1	1	1	1	1		
46	1	26476-060202	SCREW M 6X 20, TAPPING	3	3	3	3	3	3		
47	1	26577-060142	SCREW M 6X 14	3	3	3	3	3	3		

Fig. 41 LABEL, TOOL & GASKET SET

Remarks
(Y) OPTIONAL PARTS

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-92600	BAG, TOOL	1	1	1	1	1	1		
2	1	160330-92730	SCREWDRIVER	1	1	1	1	1	1		
3	1	28110-100120	WRENCH 10X12	1	1	1	1	1	1		
4	1	28110-140170	WRENCH 14X17	1	1	1	1	1	1		
5	1	28210-000150	FEEDER, OIL	1	1	1	1	1	1		
6	1	114250-92101	F.W. LOCKING HANDLE	1	1	1	1	1	1		Y
7	1	114250-92130	REMOVER, FLYWHEEL	1	1	1	1	1	1		Y
9	2	26116-060454	BOLT M 6X 45 PLATED	4	4	4	4	4	4		Y
10	2	26116-080454	BOLT M 8X 45 PLATED	3	3	3	3	3	3		Y
11	2	26716-060002	NUT 6	8	8	8	8	8	8		Y
12	2	26716-080002	NUT M 8	6	6	6	6	6	6		Y
13	1	114668-92300	GUIDE, OIL SEAL	1	1	1					Y
14	1	114650-92300	GUIDE, OIL SEAL				1	1	1		Y
15	1	114650-92310	INSTALLING TOOL	1	1	1	1	1	1		Y
16	1	114650-92350	INSTALLING TOOL	1	1	1	1	1	1		Y
17	1	114570-07050	LABEL, (L75A)	1							
18A	1	114670-07050	LABEL, (L90A)		1			1			
18B	1	114970-07050	LABEL, (L100A)			1			1		
19	1	114250-07090	LABEL, AIR COOLED	1	1	1	1	1	1		
20A	1	114250-07110	LABEL, YANMAR	1	1	1	1	1	1		
20B	1	183250-07110	LABEL, YANMAR	1	1	1					
21	1	183250-07230	LABEL, OPERATION	1	1	1		1	1		
22	1	114268-07240	LABEL, CAUTION	1	1	1	1	1	1		
23	1	114250-07260	LABEL, OPERATION	1	1	1	1	1	1		
24	1	114268-07280	LABEL, PRECAUTION		1	1					
25	1	114250-07350	LABEL, YANMAR DIESEL	1	1	1	1	1	1		
26	1	114268-07350	LABEL, HOW TO START	1	1	1	1	1	1		
27	1	114268-07360	LABEL, HOW TO START(F		1	1					
28A	1	714589-92600	GASKET SET	1			1				
28B	1	714689-92600	GASKET SET		1			1			
28C	1	714970-92600	GASKET SET			1			1		
29A	2	114550-01340	GASKET, CYL. HEAD	1			1				
29B	2	114650-01340	GASKET, CYL. HEAD		1			1			
29C	2	114970-01340	GASKET, CYL. HEAD			1			1		
30	2	114650-01380	O-RING	1	1	1	1	1	1		
31A	2	114650-01412	GASKET, CRANK CASE	1	1	1	1	1	1		
31B	2	114650-01411	GASKET, CRANK CASE	1	1	1	1	1	1		
32	2	24311-000180	O-RING 1A P-18.0	2	2	2	2	2	2		
33	2	114250-01840	GASKET	1	1	1	1	1	1		

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:Q'ty Change

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102100-67080	6	30	106100-77630	12	52		16	36	114250-11900	2	25
	20	30		13	30	114250-07090	30	36		16	25
	33	28		26	52		14	19		30	25
103338-32570		52		27	30		28	19	114250-11951	2	33
	6	4		39	32		41	19		16	33
	14	43		40	30	114250-07110	14	20	114250-12010	3	1
	20	4	106990-44660	10	26		28	20	114250-12200	3	3
	28	44		11	26		41	20 A		14	40
	33	4		24	26	114250-07250	14	23	114250-12210	3	4
	41	41		25	26		28	23		14	41 A
103854-01221	4	18		37	27	114250-07260	14	24		17	5
	18	17		38	26		28	24		28	42 A
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104200-66820	6	38	114170-07050	7	23 A	114250-07350	7	22		17	9
	20	38	114250-01200	1	1		14	27	114250-12530	3	9 A
	33	38	114250-01210	1	2		21	18		17	10 A
104200-66830	6	39	114250-01220	1	3			41	114250-12550	3	12
	20	39	114250-01250	1	4		28	27		17	13
	33	39	114250-01340	1	6 A		34	20	114250-12560	3	10
104200-66850	6	40		14	31 A			43		17	11
	20	40	114250-01380	1	7		41	25	114250-12580	3	11
	33	40		14	32	114250-11020	2	1		17	12
104211-11370	30	23	114250-01411	1	8 A	114250-11101	2	3	114250-12980	3	9 B
		24		14	33 A	114250-11113	2	4		17	10 B
105010-11490	16	23	114250-01412	1	8 B	114250-11120	2	5	114250-13200	3	27
		24		14	33 B	114250-11180	2	6		14	42
105025-01220	29	5	114250-01452	1	9 B	114250-11240	2	17		17	29
105198-07120	12	51	114250-01800	1	15			21		28	43
	13	29		15	15		16	17	114250-13521	3	28 A
	26	51		29	20			21	114250-13531	3	29 A
	27	29	114250-01830	1	17		30	18	114250-13701	3	30 A
	39	31		15	17			21	114250-14200	4	4
	40	29		29	22	114250-11290	2	9		18	4
105225-01240	15	5	114250-01840	1	18		16	9	114250-14260	4	6
105225-66990	33	51		14	35	114250-11310	2	32		18	6
105425-01690	1	12		15	18		14	39		32	8
	15	12		28	35		16	32	114250-14450	4	5
	29	16		29	23		28	39	114250-21550	4	23
105546-51020	8	3		41	33	114250-11340	2	11		18	23
	9	3	114250-02030	1	29		14	37	114250-22302	5	13
	22	3		15	29	114250-11460	2	12	114250-23200	5	17
	23	3		29	34		14	38		19	17
	35	2	114250-02100	1	11		16	12	114250-23220	5	18
	36	2	114250-02113	1	30		28	38		19	18
105546-51330	8	11	114250-02200	1	40		30	14	114250-23250	5	19
	9	11	114250-02210	1	41		41	36		19	19
	22	11	114250-03591	2	34	114250-11600	2	14	114250-32010	6	1
	23	11		16	34		16	14		20	1
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	20	7 A		9	12		9	25		25	14
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114250-35070	6	7 B		23	12		23	25		38	14
	20	7 B		35	14		35	32	114250-55150	10	8
	33	7 B		36	14		36	32		11	8
114250-35150	1	20	114250-51600	8	14	114250-53300	8	26		10	12
	15	20		9	14		9	26	114250-55201	11	12
	29	25		22	14		22	26		24	12
114250-35250	6	8		23	14		23	26		25	12
	20	8		35	16	114250-53331	8	28		37	13
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114250-35270	6	9	114250-51640	8	15		22	28	114250-55211	10	15
	14	44		9	15		23	28		11	15
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114250-45211	7	3	114250-51650	8	16		22	29	114250-55231	10	16
114250-45300	7	4		9	16		23	29		11	16
	21	4		22	16		35	37	114250-55300	10	17
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114250-45310	7	5		35	21	114250-55041	10	3		24	17
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	34	6	114250-53001	8	20		24	3		37	18
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114250-51080	8	4		9	21		38	3		11	28
	9	4		22	21	114250-55050	10	4		37	28
	22	4		23	21		11	4		38	27
	23	4		35	28		24	4	114250-59060	10	29
	35	3		36	28		25	4		11	29
	36	3	114250-53120	8	22		37	5		24	29
114250-51150	8	8		9	22		38	4		25	29
	9	8		22	22	114250-55060	10	5		37	31
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	36	8	114250-53130	8	23		37	6	114250-61900	6	18
114250-51160	8	9		9	23		38	5		20	18
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	36	9	114250-53140	8	24		37	8	114250-66200	6	23
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114350-02200	15	40
114350-02210	15	41
114350-11021	16	1
114350-11101	16	3
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	13	40	114650-01260	29	9	114650-53300	35	33	114662-21592	32	34
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114360-59060	24	28	114650-11010	30	2	114650-59800	37	34	114770-21200	4	14 E
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	13	1	114650-11261	30	12	114650-66500	33	31	114770-21410	4	22
	26	1	114650-11310	30	32	114650-66600	33	43	114770-23100	5	22 A
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	13	25 -1	114650-12520	31	6		38	28	114870-07050	21	19 C
	26	27 -1	114650-12530	31	7	114652-59310	37	32			42 C
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	40	25 -1		41	40	114652-66881	33	50	114870-11021	16	1 -1
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	23	20 -1
114870-66010	20	21
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