

0CD10-M45400EN

PREFACE

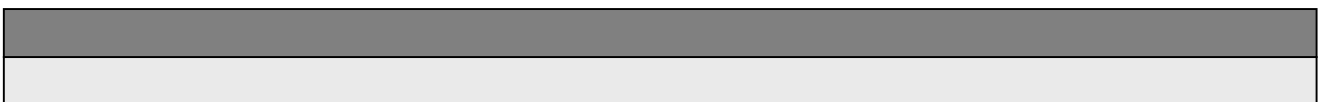
1. This Parts Catalog is the 1st edition of 3TN100L-MK Diesel Engine for MOROOKA.

Pub. No. : 000Y00D4540

Published : February, 1993

2. Model name

Engine model	Vehicle		Vehicle made by
	Products	Model name	
3TN100L-MK	—	—	MOROOKA



Directions for the Parts Catalog.

1. This Parts Catalog shows both standard and optional parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4		K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4	2	129470-51040	CAMSHAFT	1	1	1	1	1			
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2			
6	2	129470-51060	RETAINER	1	1	1	1	1			

Remarks
(1) BOOST COMPEMSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ----- Main parts (Assembly parts)

2 ----- Sub component included in " 1 ".

3 ----- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\begin{matrix} \leftarrow \text{Yes} \\ \text{No} \rightarrow \end{matrix}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\begin{matrix} \leftarrow \text{No} \\ \text{Yes} \rightarrow \end{matrix}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\begin{matrix} \leftarrow \text{Yes} \\ \text{Yes} \rightarrow \end{matrix}$ New	New/ Old Parts are both interchangeable.
S	Old $\begin{matrix} \leftarrow \text{No} \\ \text{No} \rightarrow \end{matrix}$ New	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks

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

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

Contents

Fig. No. Fig. Name

ENGINE 3TN100L-MK

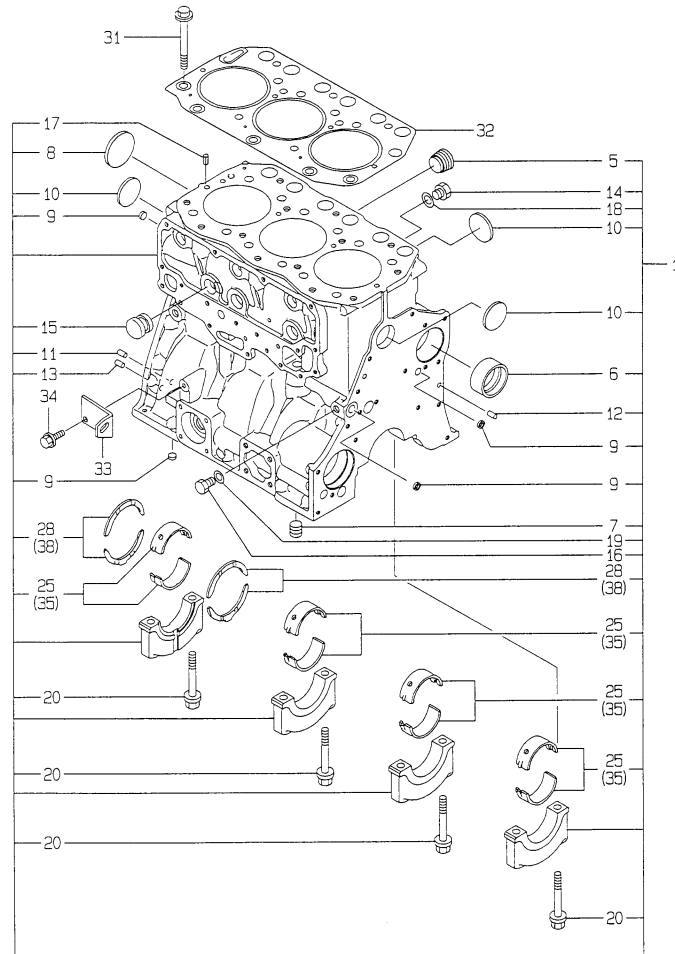
1. CYLINDER BLOCK
2. GEAR HOUSING
3. FLYWHEEL HOUSING & OIL SUMP
4. CYLINDER HEAD & BONNET
5. SUCTION MANIFOLD
6. EXHAUST MANIFOLD
7. CAMSHAFT & DRIVE GEAR
8. CRANKSHAFT & PISTON
9. LUB. OIL SYSTEM
10. OIL COOLLER
11. COOLING WATER SYSTEM
12. FUEL INJECTION PUMP
13. GOVERNOR
14. FEED PUMP
15. FUEL INJECTION VALVE
16. FUEL PIPES
17. STARTING MOTOR
18. GENERATOR
19. ELECTRIC PARTS
20. GASKET SET(OPTIONAL)

Fig. No. Fig. Name

Fig.1. CYLINDER BLOCK

Y00G4540
3TN100L-MK

D19000-01110
D19000-02100



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719000-01560	BLOCK ASSY, CYLINDER	1							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	119000-02410	BUSH, CAMSHAFT	1							
7	2	23871-030000	PLUG, R03	1							
8	2	27231-600000	PLUG, 60	1							
9	2	27241-140000	PLUG, 14	4							
10	2	27241-400000	PLUG, 40	3							
11	2	129100-01580	PIN, M8X16	2							
12	2	129100-01580	PIN, M8X16	2							
13	2	129100-01580	PIN, M8X16	2							
14	2	135400-01790	PLUG	1							
15	2	119000-01840	PLUG, RUBBER	3							
16	2	135602-34390	RETAINER	1							
17	2	22351-080016	PIN, SPRING 8.0X16	2							
18	2	23414-100000	GASKET, 10X1.0	1							
19	2	23414-140000	GASKET, 14X1.0	1							
20	2	119000-02020	BOLT, METAL CAP	8							
25	2	119000-02800	BEARING, MAIN	4							
28	2	119000-02930	BEARING, THRUST	2							
31	1	119000-01200	BOLT, HEAD	14							
32	1	119000-01340	GASKET, HEAD T=1.3	1							G
33	1	119000-01980	RETAINER, PUMP	1							
34	1	26106-080162	BOLT, M8X 16 PLATED	2							
35	1	719000-02870	BEARING, 0.25 US	4							1
38	1	719000-02940	BEARING, THRUST 0.25	2							2

Remarks

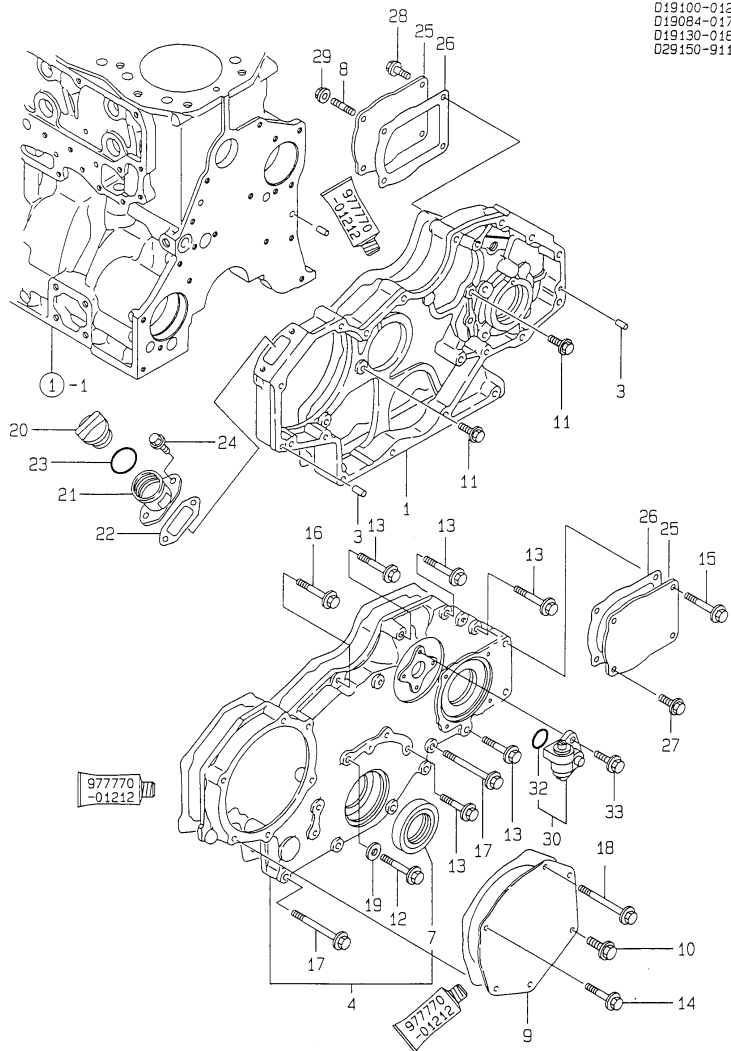
(1) UNDER-SIZE(U.S=0.25)PART.

(2) OVER-SIZE(O.S=0.25)PART.

(G) THESE PARTS ARE SOLD BY FIG.20, REF.NO.1.

Fig.2. GEAR HOUSING

Y00D4540
3TN100L-MK



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

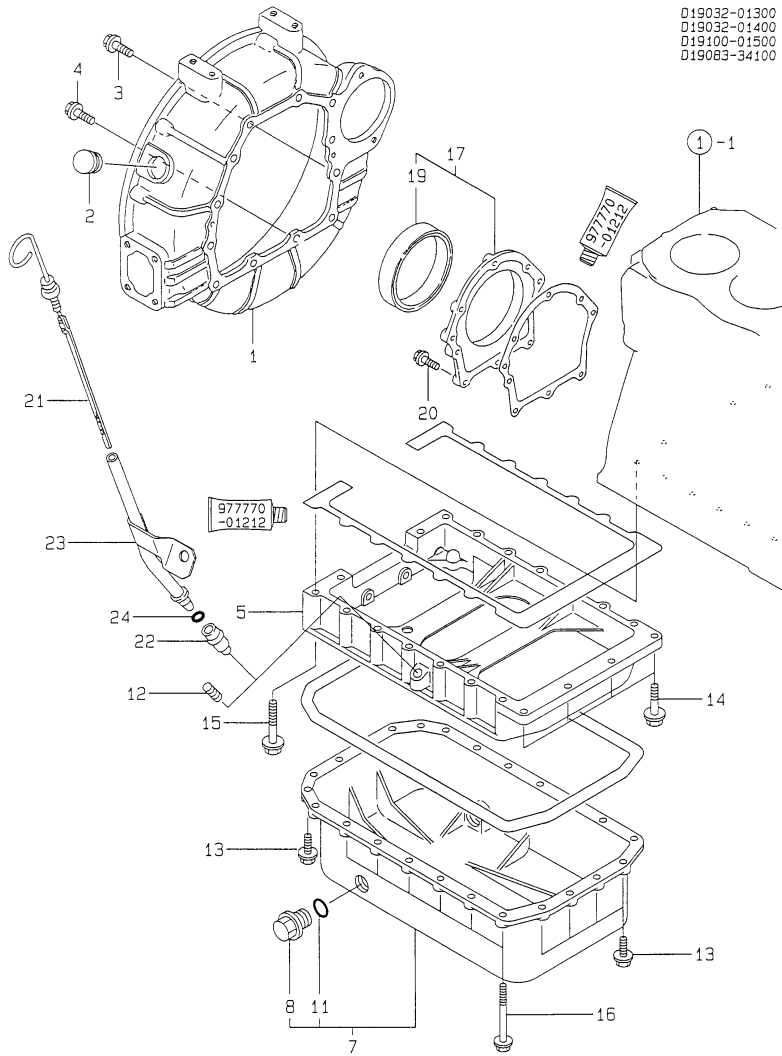
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-01500	CASE, GEAR	1							
3	1	129100-01580	PIN, M8X16	2							
4	1	119000-01590	COVER ASSY,GEAR CASE	1							
7	2	121850-01800	SEAL, OIL	1							
8	1	121850-01920	STUD, 2D8X22	2							
9	1	119000-01930	COVER	1							
10	1	26106-080182	BOLT, M8X 18 PLATED	1							
11	1	26106-080202	BOLT, M8X 20 PLATED	5							
12	1	26106-080402	BOLT, M8X 40 PLATED	1							
13	1	26106-080452	BOLT, M8X 45 PLATED	5							
14	1	26106-080452	BOLT, M8X 45 PLATED	3							
15	1	26106-080502	BOLT, M8X 50 PLATED	2							
16	1	26106-080552	BOLT, M8X 55 PLATED	1							
17	1	26106-080752	BOLT, M8X 75 PLATED	4							
18	1	26106-080902	BOLT, M8X 90 PLATED	2							
19	1	43400-500420	SEAL WASHER 8	1							
20	1	124160-01751	COVER, FILLER	1							
21	1	119000-01760	FLANGE	1							
22	1	119000-01771	GASKET	1							G
23	1	24311-000320	O-RING, 1AP32.0	1							G
24	1	26106-080252	BOLT, M8X 25 PLATED	2							
25	1	124610-01851	COVER	2							
26	1	124610-01862	GASKET	2							G
27	1	26106-080202	BOLT, M8X 20 PLATED	2							
28	1	26106-080202	BOLT, M8X 20 PLATED	2							
29	1	26366-080002	NUT, M8	2							
30	1	129150-91400	GEAR	1							
32	2	24341-000240	O-RING, 1AS24.0	1							G
33	1	26106-060162	BOLT, M6X 16 PLATED	2							

Remarks

(G) THESE PARTS ARE SOLD BY FIG.20,
REF.NO.1.

Fig.3. FLYWHEEL HOUSING & OIL SUMP

Y00D4540
37N100L-MK



D19032-01300
D19032-01400
D19100-01500
D19083-34100

97770-01212

97770-01212

(A)=37N100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

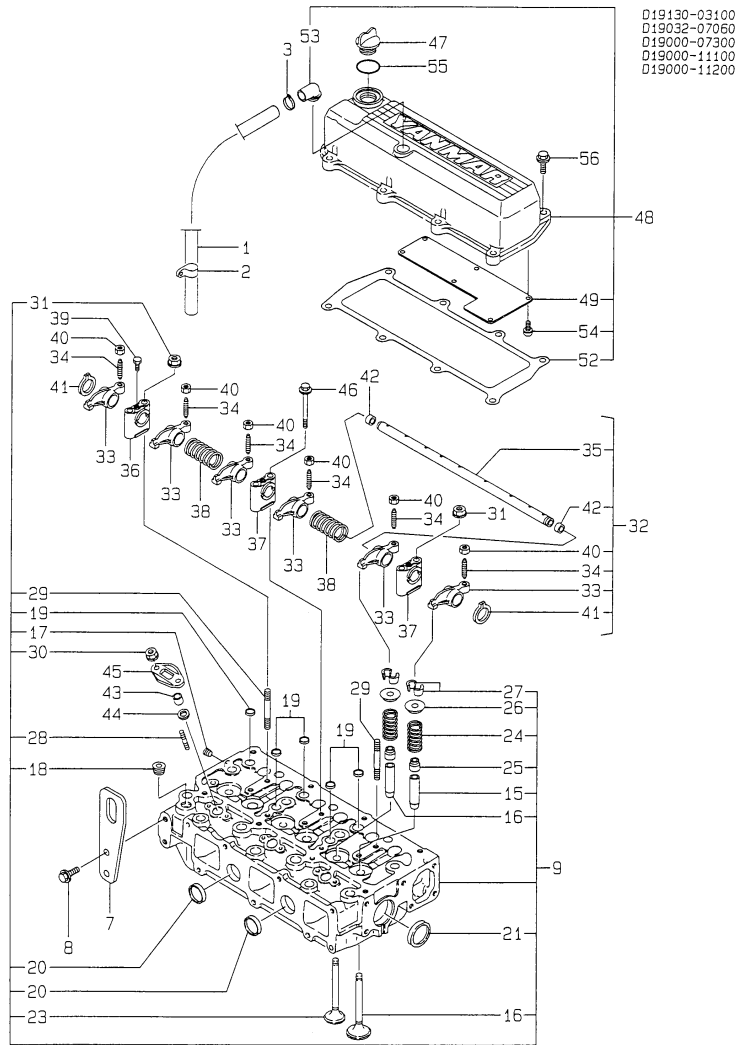
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119032-01601	HOUSING, FLYWHEEL	1							
2	1	119620-01750	CAP	1							
2-2	1	119620-01750	CAP	1							R
(A=*2009.11)											
3	1	26106-100252	BOLT, M10X 25 PLATED	8							
4	1	26106-100302	BOLT, M10X 30 PLATED	4							
5	1	119000-01730	SPACER, OIL SUMP	1							
7	1	119032-01770	SUMP ASSY, OIL	1							
8	2	171301-01640	PLUG, 22	2							
11	2	24341-000240	O-RING, 1AS24.0	2							G
12	1	124976-34850	CAP	1							
13	1	26106-080252	BOLT, M8X 25 PLATED	8							
14	1	26106-080352	BOLT, M8X 35 PLATED	4							
15	1	26106-080702	BOLT, M8X 70 PLATED	2							
16	1	26106-080802	BOLT, M8X 80 PLATED	14							
17	1	119100-01640	CASE ASSY, OIL SEAL	1							
19	2	124411-01780	SEAL, HTC95X115X12	1							
20	1	26106-080252	BOLT, M8X 25 PLATED	8							
21	1	119083-34800	DIPSTICK, OIL	1							
22	1	119083-34810	GUIDE, DIPSTICK A	1							
23	1	119260-34810	GUIDE, DIPSTICK	1							
24	1	24311-240100	O-RING, 1AP10A	1							

Remarks

(G)These parts are sold by Fig.20,
Ref.No.1.

Fig.4. CYLINDER HEAD & BONNET

Y00D4540
3TN100L-MK



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171350-03090	PIPE , BREATHER 900	1							
2	1	129150-03100	RETAINER, PIPE	1							
3	1	23000-022000	CLAMP, 22	1							
7	1	119000-07200	LIFTER	2							
8	1	26106-100202	BOLT, M10X 20 PLATED	4							
9	1	719000-11700	HEAD ASSY, CYLINDER	1							
15	2	121850-11800	GUIDE, VALVE	3							1
16	2	119000-11810	GUIDE, VALVE	3							1
17	2	123385-82200	PLUG, 1/16	1							
18	2	23871-030000	PLUG, R03	1							
19	2	27241-160000	PLUG, 16	5							
20	2	27241-280000	PLUG, 28	2							
21	2	27241-400000	PLUG, 40	2							
22	2	121850-11100	VALVE, INTAKE	3							
23	2	119000-11110	VALVE, EXHAUST	3							
24	2	121850-11120	SPRING, VALVE	6							
25	2	121850-11150	SEAL, VALVE STEM	6							G
26	2	121850-11180	RETAINER, SPRING	6							
27	2	124250-11190	COTTER	6							
28	2	26216-060252	STUD, M6X 25	6							
29	2	26216-080652	STUD, M8X 65	2							
30	2	26366-060002	NUT, M6	6							
31	2	26366-080002	NUT, M8	2							
32	1	119000-11240	SHAFT ASSY, ROCKER	1							
33	2	119000-11200	ARM, ROCKER	6							
34	2	119000-11230	SCREW, VALVE ADJUST	6							
35	2	119000-11250	SHAFT, ROCKER ARM	1							
36	2	119000-11260	SUPPORT, ROCKER ARM	1							
37	2	119000-11270	SUPPORT, ROCKER ARM	2							
38	2	119000-11280	SPRING	2							
39	2	119000-11290	BOLT	1							
40	2	129150-11750	NUT, M8	6							
41	2	22242-000180	RING, 18	2							
42	2	27241-100000	PLUG, 10	2							
43	1	119625-11870	PROTECTOR, NOZZLE	3							G
44	1	119625-11880	SEAT, NOZZLE	3							G
45	1	119625-11900	RETAINER, NOZZLE	3							
46	1	26106-080652	BOLT, M8X 65 PLATED	4							
47	1	124160-01751	COVER, FILLER	1							
48	1	119000-11311	BONNET ASSY, HEAD	1							
49	2	119000-03200	COVER, BREATHER	1							
52	2	119000-11320	GASKET, BONNET	1							
53	2	119100-11330	ELBOW	1							
54	2	26022-050122	SCREW, M5X12	7							
55	1	24311-000320	O-RING, 1AP32.0	1							G
56	1	26106-080252	BOLT, M8X 25 PLATED	8							

Remarks

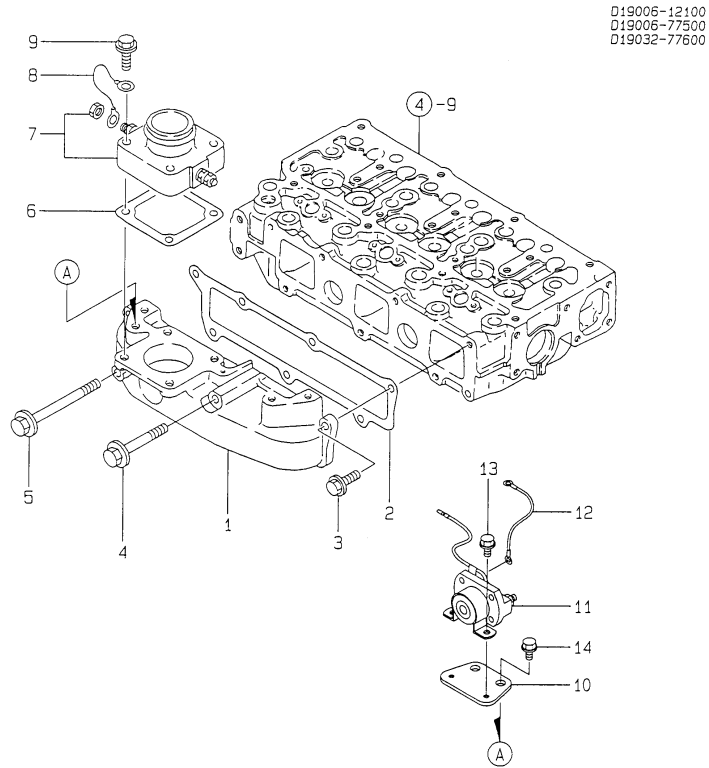
(1) REPAIR PART.

(G) THESE PARTS ARE SOLD BY FIG.20,

REF.NO.1.

Fig.5. SUCTION MANIFOLD

Y00D4540
3TN100L-MK



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

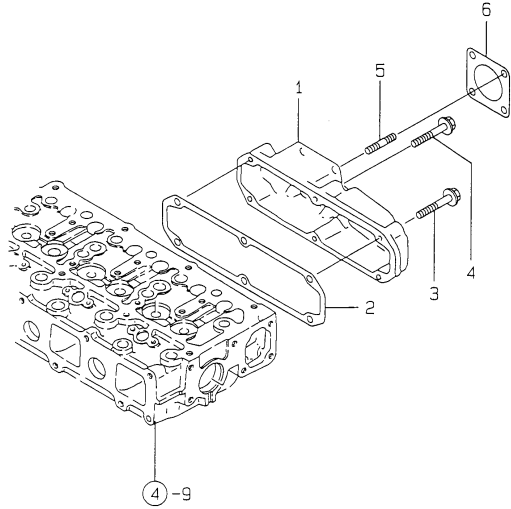
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-12100	MANIFOLD, AIR INTAKE	1							
2	1	119000-12110	GASKET, MANIFOLD	1							G
3	1	26106-080202	BOLT, M8X 20 PLATED	5							
4	1	26106-080702	BOLT, M8X 70 PLATED	1							
5	1	26106-081152	BOLT, M8X115 PLATED	1							
6	1	121850-77021	GASKET	1							G
7	1	121850-77050	HEATER	1							
8	1	129100-77820	WIRE	1							
9	1	26106-080352	BOLT, M8X 35 PLATED	4							
10	1	119032-77600	BRACKET, SWITCH	1							
11	1	124612-77910	SWITCH	1							
12	1	121872-77950	WIRE	1							
13	1	26014-060122	BOLT, M6X 12	2							
14	1	26106-100142	BOLT, M10X 14 PLATED	2							

Remarks
(G) THESE PARTS ARE SOLD BY FIG.20,
REF.NO.1.

Fig.6. EXHAUST MANIFOLD

Y00D4540
3TN100L-MK

Q19000-13100TK
Q19032-93060



(A)=3TN100L-MK
(B)=
(C)=

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

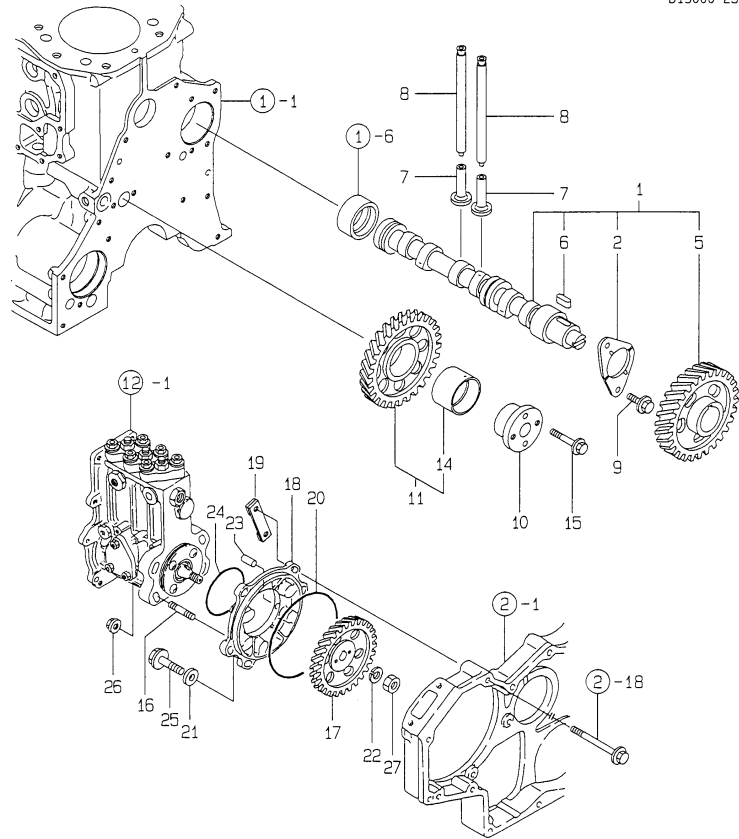
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-13100	MANIFOLD, EXHAUST	1							
2	1	119000-13200	GASKET	1							G
3	1	26106-080402	BOLT, M8X 40 PLATED	4							
4	1	26106-080502	BOLT, M8X 50 PLATED	2							
5	1	26216-080222	STUD, M8X 22	4							
6	1	129400-13201	GASKET, SILENCER	1							G

Remarks
(G) THESE PARTS ARE SOLD BY FIG.20,
REF.NO.1.

Fig.7. CAMSHAFT & DRIVE GEAR

Y00D4540
3TN100L-MK

D:19000-14100
D:19000-25100
D:19000-25200



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-14000	CAMSHAFT ASSY	1							
2	2	119000-02450	BEARING, THRUST	1							
5	2	119000-14100	GEAR, CAMSHAFT Z=48	1							
6	2	22512-070140	KEY, 7X 14	1							
7	1	119000-14200	TAPPET	6							
8	1	129150-14400	ROD, PUSH L=178	6							
9	1	26106-080162	BOLT, M8X 16 PLATED	2							
10	1	119000-25050	SHAFT, IDLE GEAR	1							
11	1	119000-25100	GEAR ASSY, IDLE Z=51	1							
14	2	119000-25930	BUSH, IDLE GEAR	1							1
15	1	26013-080452	BOLT, M8X 45	2							
16	1	121850-01900	STUD, SB10X32	4							
17	1	119000-25900	GEAR, PUMP	1							
18	1	119000-25910	BRACKET, PUMP	1							
19	1	119000-25920	RETAINER	1							
20	1	24341-001350	O-RING, 1AS135.0	1							G
21	1	106100-55800	WASHER	3							
22	1	22217-180000	WASHER, SPRING 18	1							
23	1	22351-050012	PIN, SPRING 5.0X12	1							
24	1	124410-51960	O-RING	1							G
25	1	26106-080252	BOLT, M8X 25 PLATED	3							
26	1	26366-100002	NUT, M10	4							
27	1	26776-180002	NUT, LOCK M18	1							

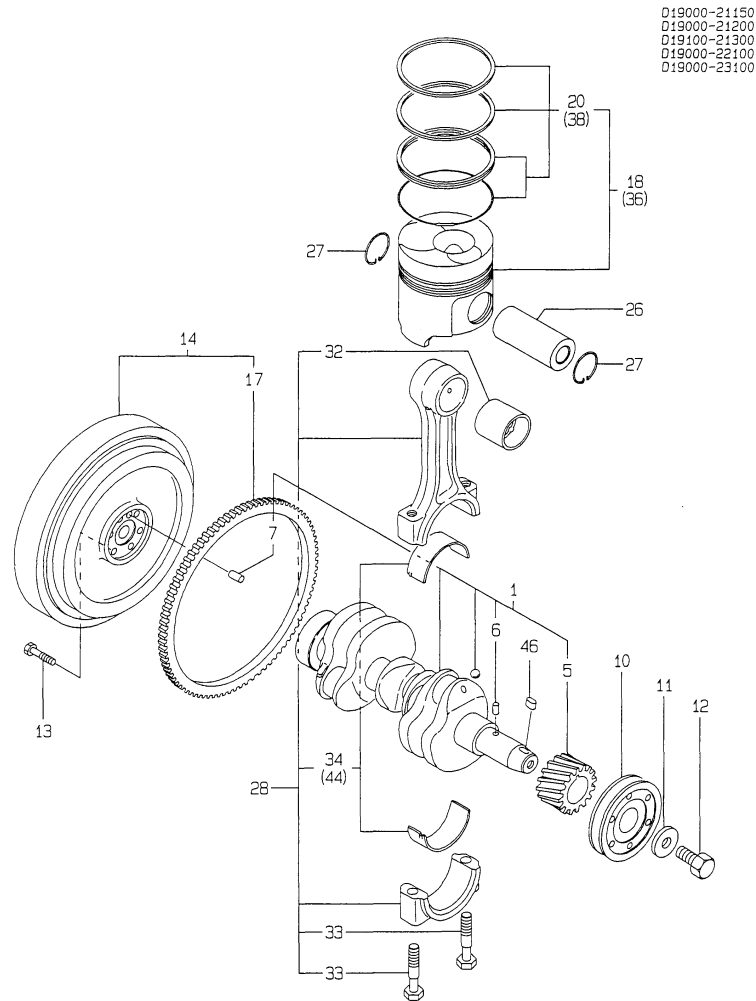
Remarks

(1) REPAIR PART.

(G) THESE PARTS ARE SOLD BY FIG.20, REF.NO.1.

Fig.8. CRANKSHAFT & PISTON

Y00D4540
3TN100L-MK



D19000-21150
D19000-21200
D19100-21300
D19000-22100
D19000-23100

(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719000-21700	CRANKSHAFT ASSY	1							
5	2	121850-21200	GEAR, CRANKSHAFT	1							
6	2	121850-21290	PIN	1							
7	2	121850-21920	PIN, M10X22	1							
10	1	119000-21650	V-PULLEY	1							
11	1	121850-21660	WASHER	1							
12	1	121850-21680	BOLT	1							
13	1	121850-21130	BOLT, FLYWHEEL	6							
14	1	119100-21590	FLYWHEEL ASSY	1							
17	2	124550-21600	GEAR, RING	1							
18	1	119000-22000	PISTON ASSY	3							
20	2	719000-22500	RING SET, PISTON	3							
26	1	119000-22300	PIN, PISTON	3							
27	1	22252-000340	RING, 34	6							
28	1	719000-23100	ROD ASSY, CONNECTING	3							
32	2	119000-23910	BEARING, PISTON PIN	3							1
33	2	121850-23200	BOLT, CONNECTING ROD	6							
34	2	719000-23600	BEARING, CRANK PIN	3							
36	1	719000-22900	PISTON ASSY, 0.25 OS	3							2
38	2	719000-22950	RING SET, 0.25 OS	3							2
44	1	719000-23610	BEARING ASSY, 0.25	3							3
46	1	22512-070140	KEY, 7X 14	1							

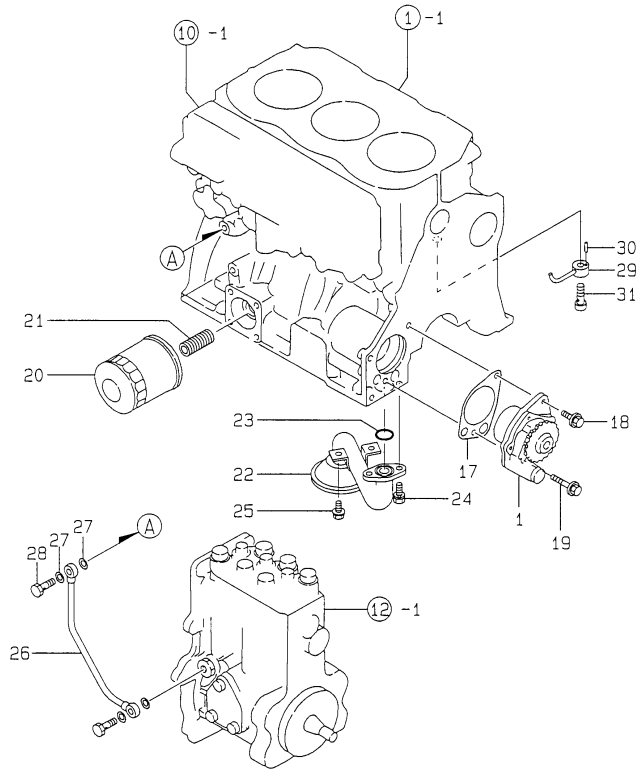
Remarks

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

Fig.9. LUB. OIL SYSTEM

Y00D4540
3TN100L-MK

D19000-32100
D19100-35100
D19100-35200
D19000-39100
D19000-39200



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

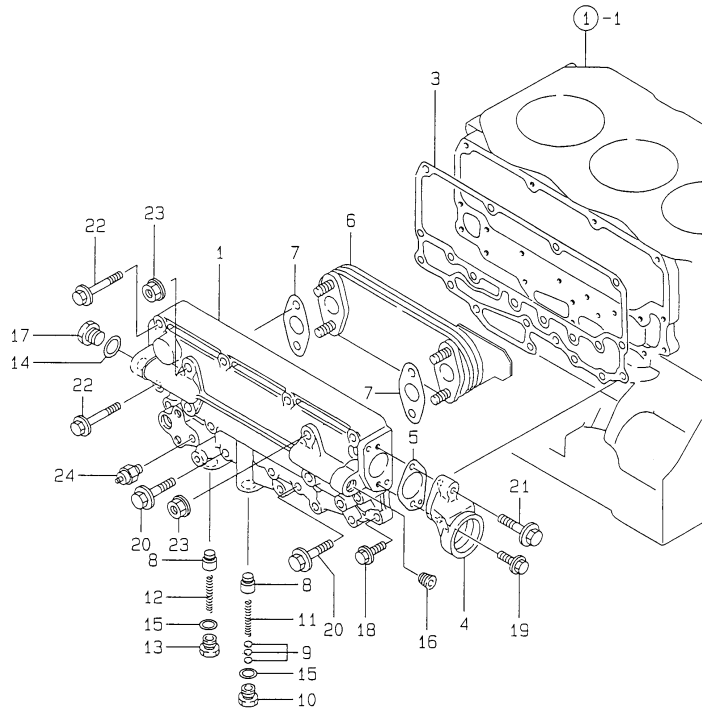
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-32001	PUMP ASSY, OIL	1							
17	1	119000-32020	GASKET, PUMP	1							G
18	1	26106-080162	BOLT, M8X 16 PLATED	1							
19	1	26106-080502	BOLT, M8X 50 PLATED	1							
20	1	119005-35100	FILTER, D80X100L	1							
21	1	119000-35140	BOLT, FILTER	1							
22	1	119100-35090	PIPE ASSY, OIL INLET	1							
23	1	24311-000220	O-RING, 1AP22.0	1							
24	1	26013-080162	BOLT, M8X 16	2							
25	1	26106-080162	BOLT, M8X 16 PLATED	2							
26	1	119000-39350	PIPE, OIL	1							
27	1	23414-080000	GASKET, 8X1.0	2							
28	1	23857-030000	BOLT, JOINT 3	1							
29	1	119000-39650	NOZZLE	3							
30	1	22351-030010	PIN, SPRING 3.0X10	3							
31	1	23857-030000	BOLT, JOINT 3	3							

Remarks
(G) THESE PARTS ARE SOLD BY FIG.20,
REF.NO.1.

Fig.10. OIL COOLLER

Y00D4540
3TN100L-MK

D19000-33100
D19100-39400



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

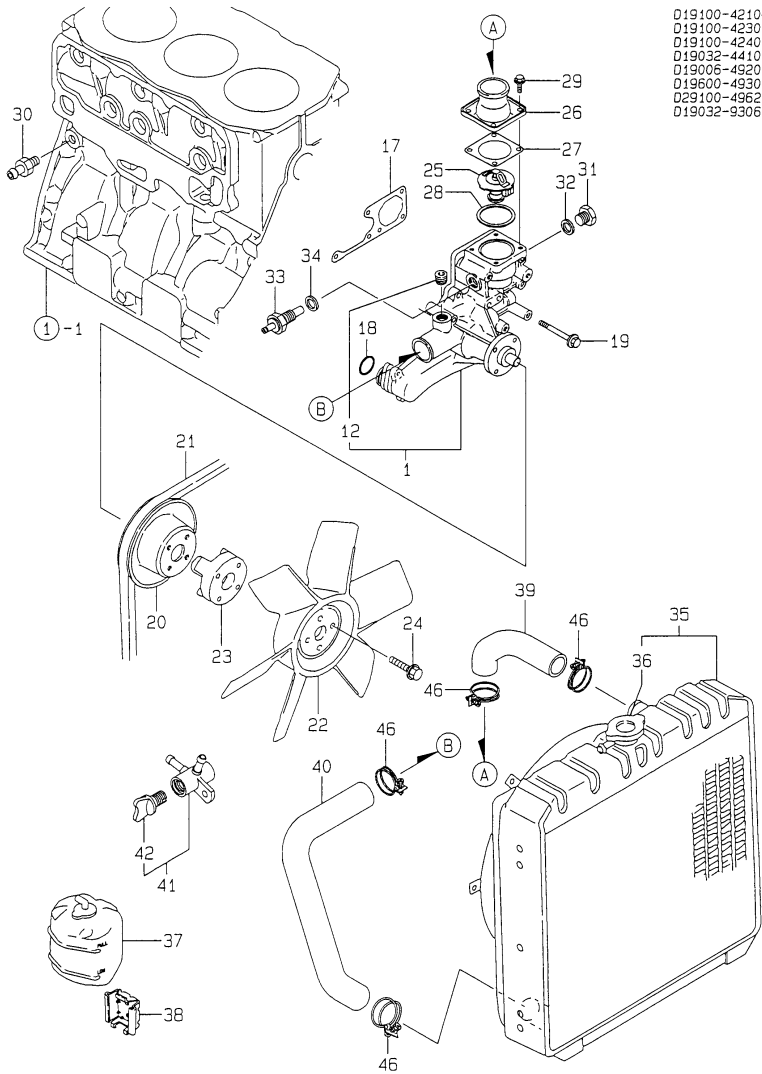
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719000-33700	COOLER ASSY, OIL	1							
2	2	119000-33010	CASE, OIL COOLER	1							
4	2	119000-33050	COOLER, OIL	1							
5	2	121952-33071	GASKET, COOLER	2							G
6	2	119000-34030	VALVE, CONTROL	2							
7	2	121850-35230	SHIM, T=1.0	5							
8	2	124223-35510	RETAINER, SPRING	1							
9	2	124411-35520	SPRING	1							
10	2	121952-39830	SPRING	1							
11	2	123672-84530	RETAINER, VALVE	1							
12	2	23414-160000	GASKET, 16X1.0	1							
13	2	23414-180000	GASKET, 18X1.0	2							
14	2	23871-030000	PLUG, R03	1							
15	2	23887-160002	PLUG, 16	1							
16	2	26376-100002	NUT, M10	4							
17	1	119000-33021	GASKET	1							G
18	1	119000-33030	BEND	1							
19	1	119000-33041	GASKET	1							G
20	1	26106-080202	BOLT, M8X 20 PLATED	3							
21	1	26106-080202	BOLT, M8X 20 PLATED	1							
22	1	26106-080352	BOLT, M8X 35 PLATED	8							
23	1	26106-080352	BOLT, M8X 35 PLATED	1							
24	1	26106-080502	BOLT, M8X 50 PLATED	10							
25	1	121250-39450	SWITCH, 1.0KG	1							

Remarks

(G) THESE PARTS ARE SOLD BY FIG.20,
REF.NO.1.

Fig.11. COOLING WATER SYSTEM

Y00D4540
3TN100L-MK



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119006-42001	PUMP ASSY, WATER	1							
12	2	23871-030000	PLUG, R03	1							
17	1	119000-42021	GASKET, WATER PUMP	1							G
18	1	24311-000360	O-RING, 1AP36.0	1							
19	1	26106-080652	BOLT, M8X 65 PLATED	5							
20	1	119000-42250	V-PULLEY	1							
21	1	171087-42280	V-BELT, A44	1							
22	1	121950-44741	FAN, COOLING	1							
23	1	119141-44760	SPACER, FAN	1							
24	1	26106-080552	BOLT, M8X 55 PLATED	4							
25	1	119000-48170	THERMOSTAT, 71	1							
26	1	121850-49530	COVER, THERMOSTAT	1							
27	1	121850-49540	GASKET, THERMOSTAT	1							G
28	1	121850-49550	GASKET, THERMOSTAT	1							G
29	1	26014-060142	BOLT, M6X 14	4							
30	1	121550-49111	JOINT, PT1/4	1							
31	1	121450-42450	PLUG, M16	1							
32	1	124465-44950	GASKET, 16	1							
33	1	124250-49351	SENSOR	1							
34	1	129150-49360	GASKET	1							
35	1	119140-44531	RADIATOR	1							
36	2	119259-44570	CAP, RADIATOR	1							
37	1	120445-44530	TANK, SUB	1							
38	1	120445-44540	SUPPORT	1							
39	1	119141-49011	PIPE, WATER	1							
40	1	119131-49021	PIPE, WATER	1							
41	1	129150-49100	COCK ASSY, 3-WAY	1							
42	2	129150-49080	COCK, DRAIN	1							
46	1	23010-050000	CLAMP, 50	4							

Remarks

(G) THESE PARTS ARE SOLD BY FIG.20,
REF.NO.1.

Fig.12. FUEL INJECTION PUMP

(A)=3TN100L-MK

(B)=

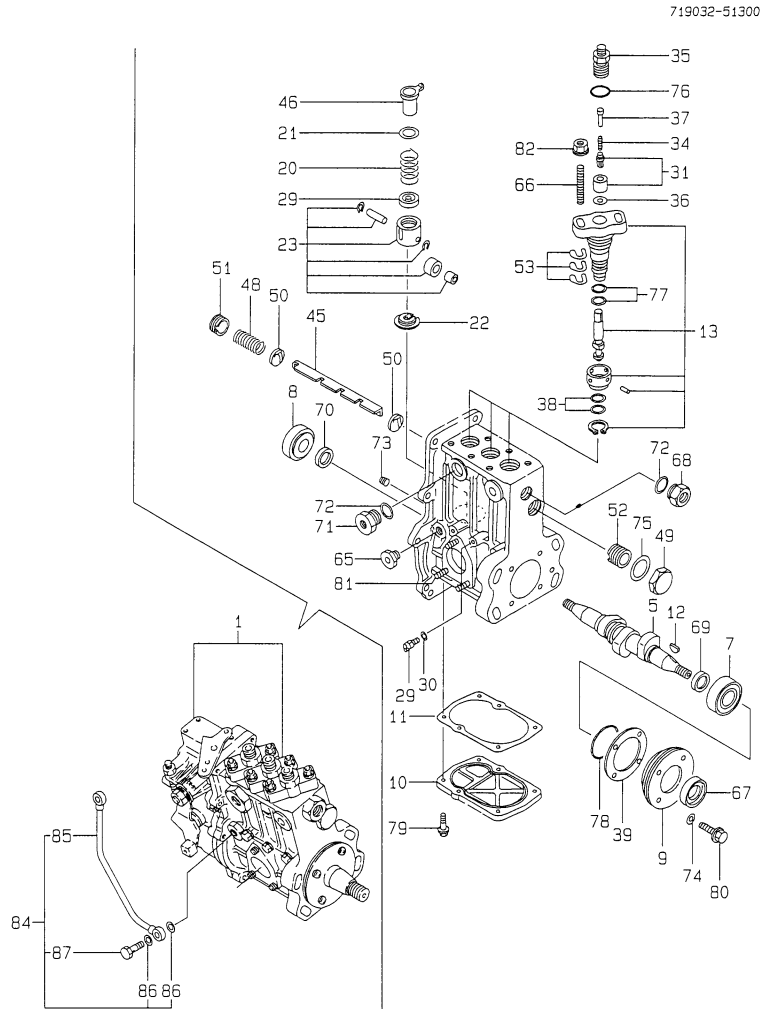
(C)=

(D)=

(E)=

(F)=

Y0004540
3TN100L-MK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719032-51300	PUMP ASSY, INJECTION	1							1
5	2	119000-51030	CAMSHAFT	1							
7	2	119000-51050	BEARING, HR32005XJ	1							
8	2	122710-51050	BEARING, HR30203J	1							
9	2	119000-51060	SUPPORT, BEARING A	1							
10	2	119000-51081	COVER	1							
11	2	119000-51091	GASKET	1							
12	2	144626-51090	KEY, 5X19	1							
13	2	119000-51101	PLUNGER ASSY	3							
20	2	119000-51161	SPRING, PLUNGER	3							
21	2	119000-51170	SEAT, SPRING A	3							
22	2	119000-51181	SEAT, SPRING B	3							
23	2	119000-51201	TAPPET ASSY	3							
29	2	129155-51270	STOPPER, TAPPET	3							
30	2	129155-51280	O-RING, S6	3							
31	2	128400-51300	VALVE ASSY, DELIVERY	3							
34	2	119000-51330	SPRING, DELIVERY	3							
35	2	119000-51340	HOLDER, DELIVERY	3							
36	2	122710-51350	GASKET	3							
37	2	119000-51360	STOPPER, VALVE	3							
38	2	119000-51410	O-RING, S18	6							
39	2	119000-51450	SHIM SET, CAMSHAFT	1							
45	2	119000-51500	RACK, CONTROL	1							
46	2	119000-51510	SLEEVE, CONTROL	3							
48	2	119000-51530	SPRING, RACK	1							
49	2	119000-51550	COVER	1							
50	2	119000-51570	GUIDE, RACK	2							
51	2	119000-51580	SCREW	1							
52	2	119000-51590	SCREW	1							
53	2	119000-51650	SHIM SET, ADJUSTING	6							
65	2	121850-51700	BUSH	1							
66	2	119000-51800	BOLT	6							
67	2	119000-51900	SEAL, AC1290E0	1							
68	2	121952-51900	PLUG	1							
69	2	119000-51911	SPACER, CAMSHAFT	1							
70	2	122710-51920	SPACER	1							
71	2	144626-51940	PLUG	1							
72	2	144626-51950	O-RING, 1016	2							
73	2	137600-53900	SCREW, M6X6	1							
74	2	22190-060000	WASHER, SEAL 6	4							
75	2	23414-220029	GASKET, 22X1.0	1							
76	2	24312-000150	O-RING, 2P15.0	3							
77	2	24341-000260	O-RING, 1AS26.0	3							
78	2	24341-000500	O-RING, 1AS50.0	1							
79	2	26106-060182	BOLT, M6X 18 PLATED	6							
80	2	26106-060202	BOLT, M6X 20 PLATED	4							
81	2	26216-060162	STUD, M6X 16	3							
82	2	26366-080002	NUT, M8	6							
84	1	119000-51990	PIPE ASSY, OIL	1							
85	2	119000-39350	PIPE, OIL	1							
86	2	23414-080000	GASKET, 8X1.0	2							

Remarks

(1) GOVERNOR(FIG.NO.13) & FEED PUMP (FIG.NO.14) IS INCORPORATED IN THIS FUEL INJECTION PUMP (REF.NO.1).

Fig.12. FUEL INJECTION PUMP

(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

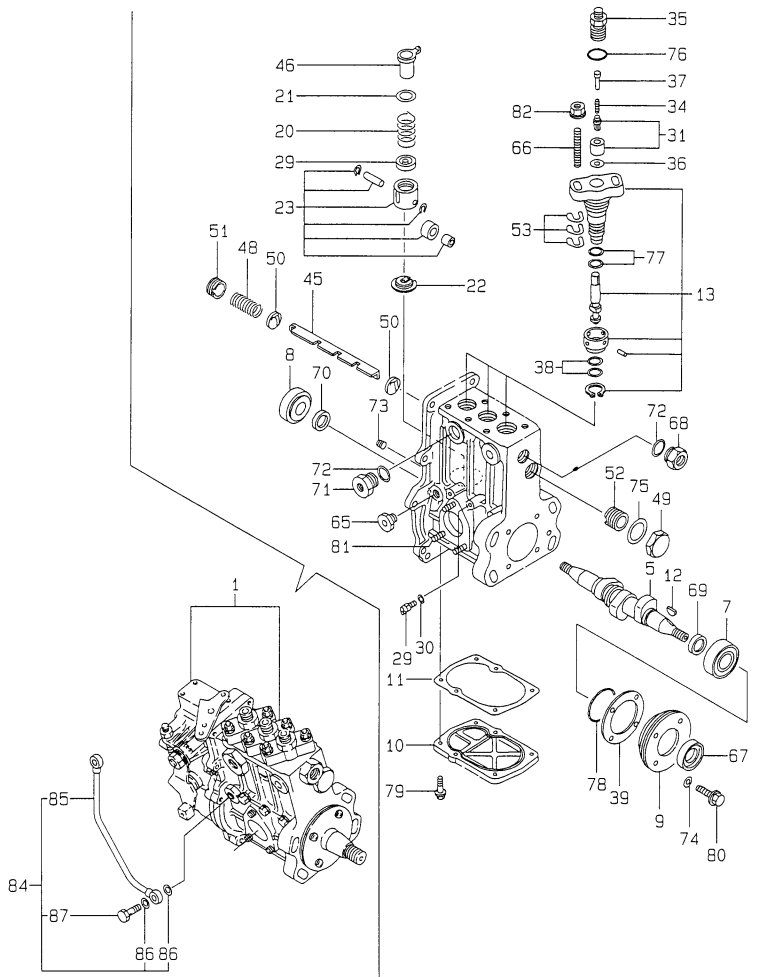
(F)=

Q'ty

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
87	2	23857-030000	BOLT, JOINT 3	1							

Y0004540
3TN100L-MK

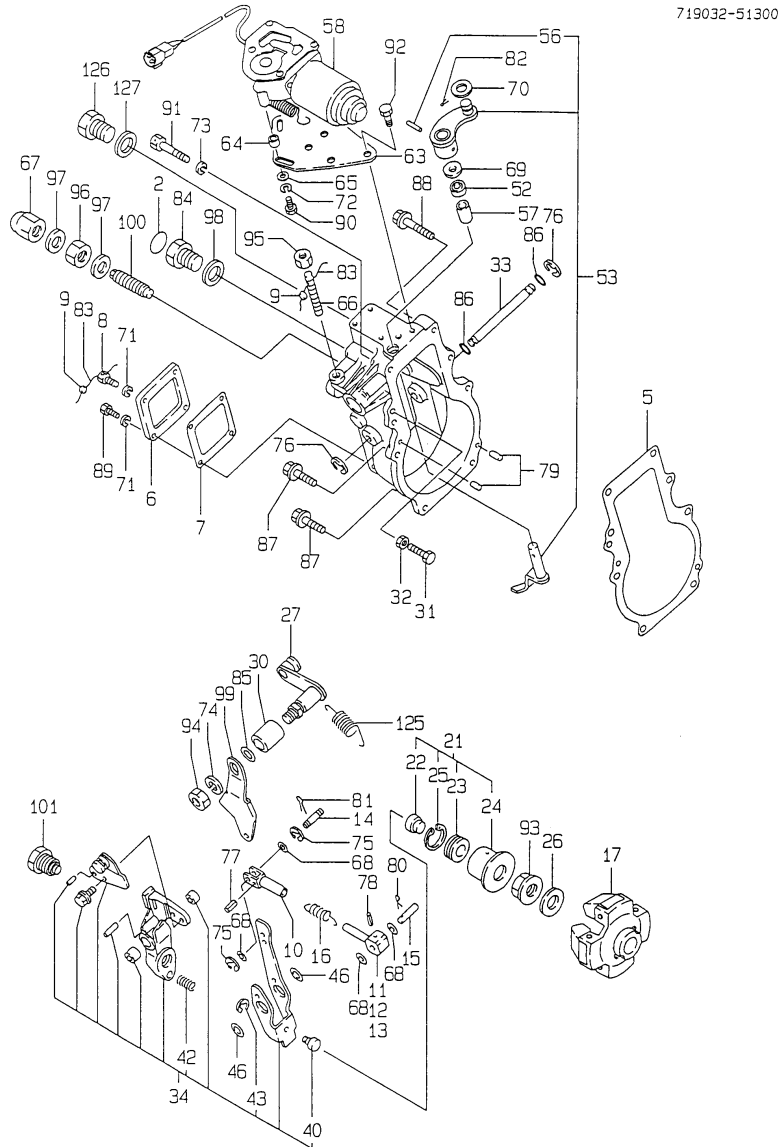
719032-51300



Remarks
 (1) GOVERNOR(FIG.NO.13) & FEED PUMP
 (FIG.NO.14) IS INCORPORATED IN
 THIS FUEL INJECTION PUMP
 (REF.NO.1).

Fig.13. GOVERNOR

Y00D4540
3TN100L-MK



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

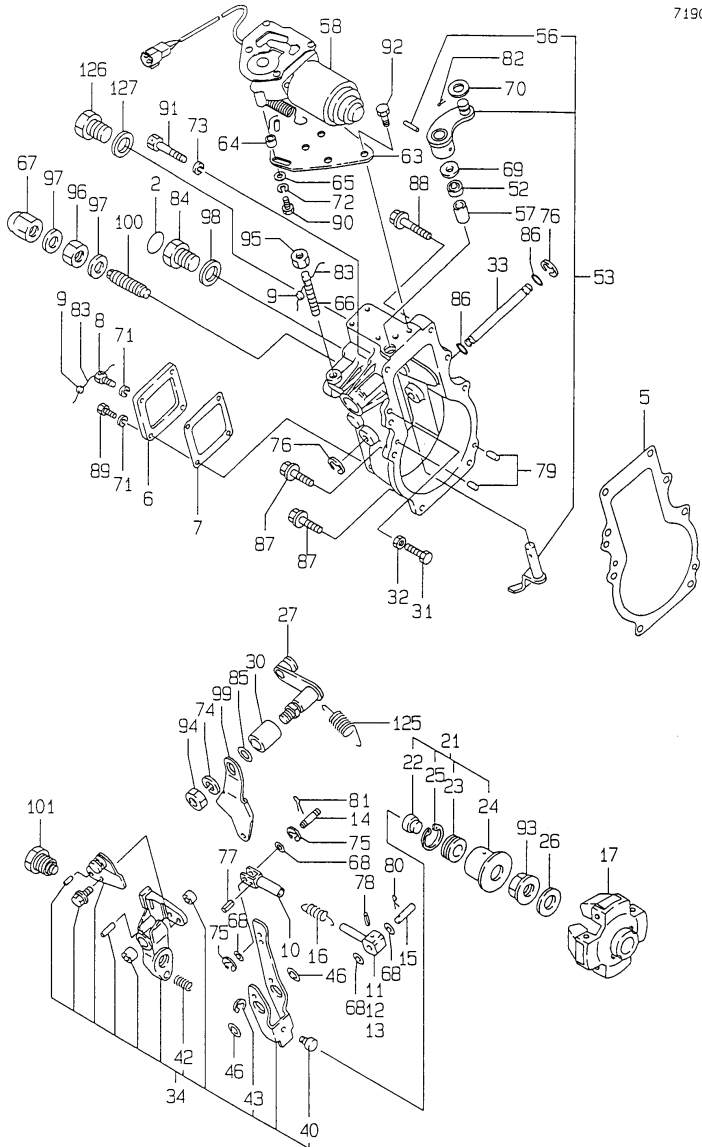
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	124610-51970	LABEL	1							
5	2	119000-61051	GASKET	1							
6	2	120323-61060	COVER, GOVERNOR CASE	1							
7	2	120323-61070	GASKET	1							
8	2	129155-61090	BOLT	1							
9	2	135210-61090	LEAD	2							
10	2	119000-61120	LINK	1							
11	2	119000-61140	LINK, MARK-1 L=40	1							
12	2	119000-61150	LINK, MARK-2 L=42	1							
13	2	119000-61160	LINK, MARK-3 L=44	1							
14	2	119000-61170	PIN, LINK	1							
15	2	119000-61180	PIN, LINK	1							
16	2	119000-61190	SPRING	1							
17	2	119000-61200	WEIGHT ASSY,GOVERNOR	1							
21	2	119000-61300	SLEEVE ASSY, L=30	1							
22	3	119000-61310	SHIFTER	1							
23	3	119000-61320	BEARING, THRUST	1							
24	3	119000-61340	SLEEVE	1							
25	3	22262-000260	RING, R-26	1							
26	2	119000-61380	SPACER	1							
27	2	119000-61400	SHAFT ASSY	1							
30	2	119100-61430	BUSH	1							
31	2	129155-61460	BOLT, IDLE	1							
32	2	119000-61470	NUT, M6	1							
33	2	119000-61490	SHAFT	1							
34	2	119000-61500	LEVER ASSY, GOVERNOR	1							
40	3	124616-61540	SHIFTER	1							
42	3	121850-61600	SPRING, FUEL CONTROL	1							
43	3	22272-000040	RING, E- 4	1							
46	2	119000-61630	SHIM SET	1							
52	2	148616-61650	SEAL, VC081404	1							
53	2	119000-61801	LEVER ASSY, STOP	1							
56	3	22351-030016	PIN, SPRING 3.0X16	1							
57	2	119000-61841	BUSH	1							
58	2	119032-61850	MOTOR, STOP	1							
63	2	119000-61870	BRACKET, STOP MOTOR	1							
64	2	119000-61880	SPACER	3							
65	2	119000-61890	WASHER	3							
66	2	121855-61910	BOLT, LIMITER	1							
67	2	129100-61930	NUT, CAP	1							
68	2	22117-050000	WASHER, 5	4							
69	2	22137-080000	WASHER, 8	1							
70	2	22137-080000	WASHER, 8	1							
71	2	22217-050000	WASHER, SPRING 5	4							
72	2	22217-050000	WASHER, SPRING 5	3							
73	2	22217-060000	WASHER, SPRING 6	1							
74	2	22217-100000	WASHER, SPRING 10	1							
75	2	22272-000040	RING, E- 4	2							
76	2	22272-000080	RING, E- 8	2							
77	2	22351-030016	PIN, SPRING 3.0X16	1							
78	2	22351-030025	PIN, SPRING 3.0X25	1							

Fig.13. GOVERNOR

Y00D4540
3TN100L-MK

719032-51300



(A)=3TN100L-MK
(B)=
(C)=

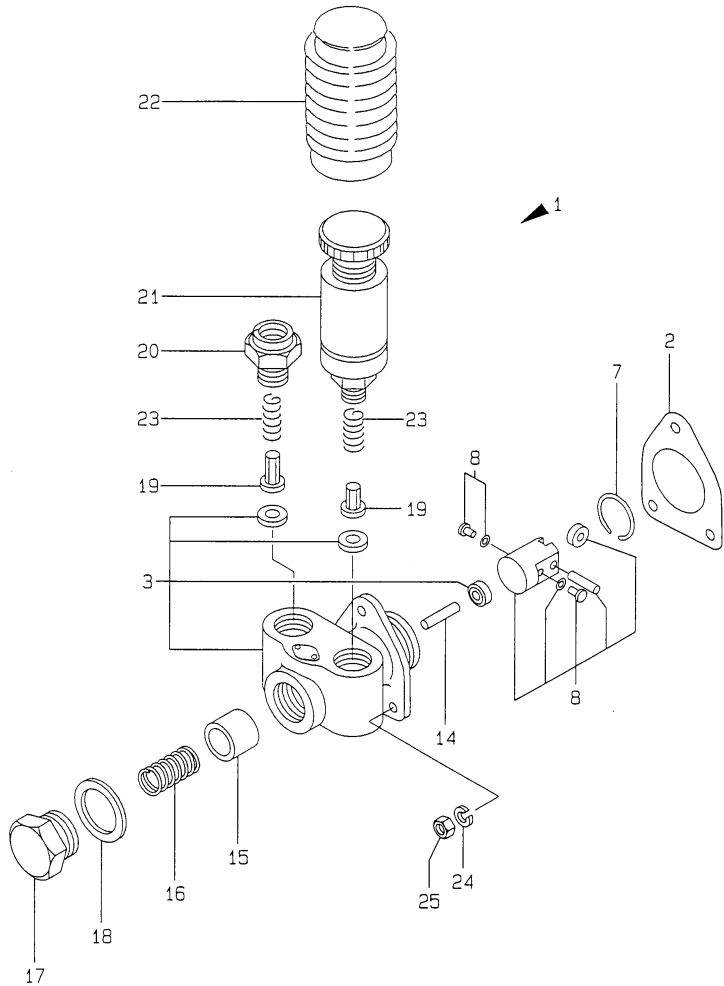
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
79	2	22351-050020	PIN, SPRING 5.0X20	2							
80	2	22372-050000	PIN, SNAP 5	1							
81	2	22417-120120	PIN, COTTER 1.2X12	1							
82	2	22417-160120	PIN, COTTER 1.6X12	1							
83	2	22453-060000	WIRE, 0.6	2							
84	2	23887-160002	PLUG, 16	1							
85	2	24311-000110	O-RING, 1AP11.0	1							
86	2	24341-000080	O-RING, 1AS8.0	2							
87	2	26106-060222	BOLT, M6X 22 PLATED	6							
88	2	26106-060352	BOLT, M6X 35 PLATED	1							
89	2	26116-050102	BOLT, M5X 10 PLATED	3							
90	2	26116-050252	BOLT, M5X 25 PLATED	3							
91	2	26116-060356	BOLT, M6X 35 PLATED	1							
92	2	26116-080142	BOLT 8X14	4							
93	2	26376-120002	NUT, M12	1							
94	2	26606-100002	NUT, M10	1							
95	2	26756-080002	NUT, LOCK M8	1							
96	2	26777-120002	NUT, LOCK M12	1							
97	2	43400-500450	SEAL WASHER 12S	2							
98	2	43400-500500	SEAL WASHER 16	1							
99	1	119100-61440	LEVER, GOVERNOR	1							
100	1	120323-61470	BOLT, CONTROL	1							
101	1	119101-61550	ANGLEICH ASSY	1							
125	1	119032-61700	SPRING, GOVERNOR	1							
126	1	23887-080002	PLUG 8	1							
127	1	43400-500420	SEAL WASHER 8	1							

Fig.14. FEED PUMP

Y00D4540
3TN100L-MK

719032-51300



(A)=3TN100L-MK
(B)=
(C)=

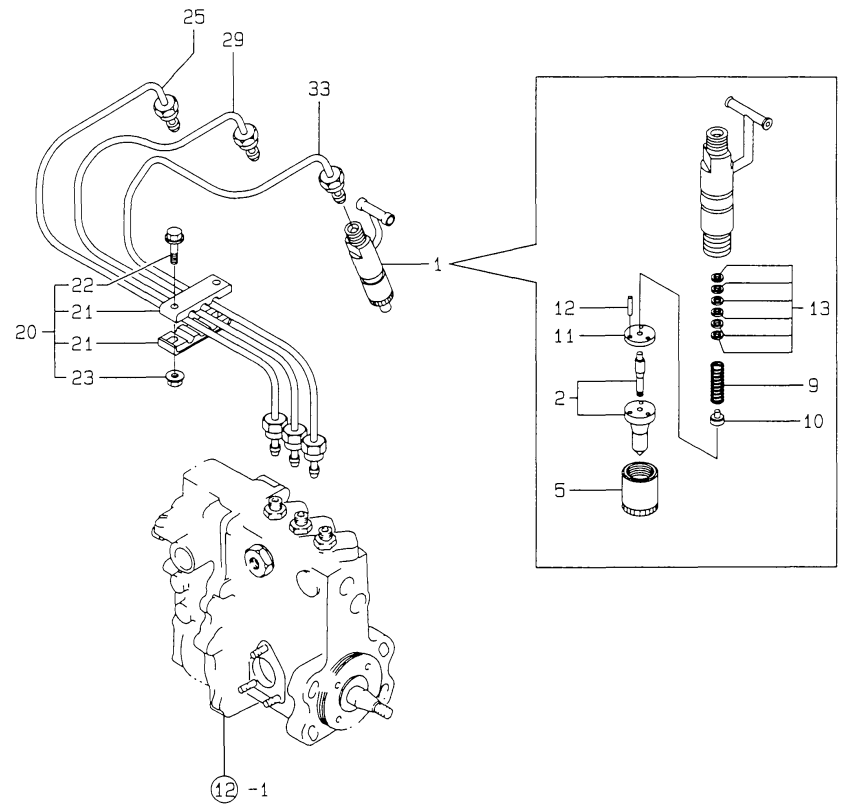
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-52000	PUMP ASSY, FUEL FEED	1							
2	2	124410-51861	GASKET	1							
3	2	121820-52020	BODY ASSY, PUMP	1							
7	2	121820-52070	PIN	1							
8	2	119000-52100	TAPPET ASSY	1							
14	2	121820-52160	SPINDLE, INTER	1							
15	2	121820-52170	PISTON	1							
16	2	121820-52180	SPRING, VALVE	1							
17	2	121820-52190	RETAINER, SPRING	1							
18	2	121820-52200	GASKET, 25	1							
19	2	121820-52210	VALVE	2							
20	2	121820-52230	RETAINER, SPRING	1							
21	2	121820-52300	PUMP, PRIMING	1							
22	2	121820-52400	COVER	1							
23	2	121820-52510	SPRING, VALVE	2							
24	2	22217-060000	WASHER, SPRING 6	3							
25	2	26716-060002	NUT, M6	3							

Fig.15. FUEL INJECTION VALVE

Y00D4540
37N100L-MK

019000-53100
019000-59100



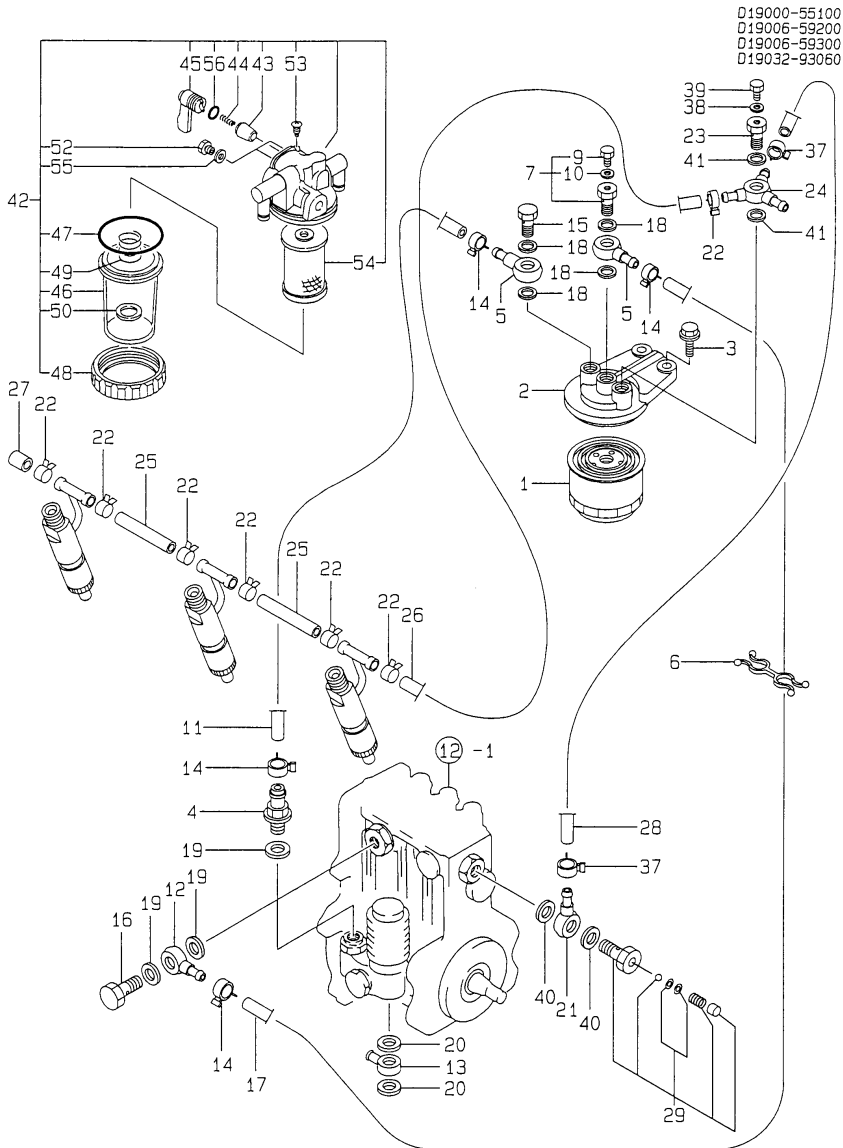
(A)=37N100L-MK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719129-53100	VALVE ASSY,INJECTION	3							
2	2	119000-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
9	2	114250-53120	SPRING, NOZZLE	3							
10	2	114250-53130	SEAT, SPRING	3							
11	2	114250-53140	PLATE	3							
12	2	114250-53210	PIN	6							
13	2	114250-53400	SHIM SET	3							
20	1	123372-59080	RETAINER	1							
22	2	26106-060202	BOLT, M6X 20 PLATED	2							
23	2	26366-060002	NUT, M6	2							
25	1	119100-59820	PIPE ASSY, INJECTION	1							
29	1	119100-59830	PIPE ASSY, INJECTION	1							
33	1	119100-59840	PIPE ASSY, INJECTION	1							

Fig.16. FUEL PIPES

Y0004540
3TN100L-MK

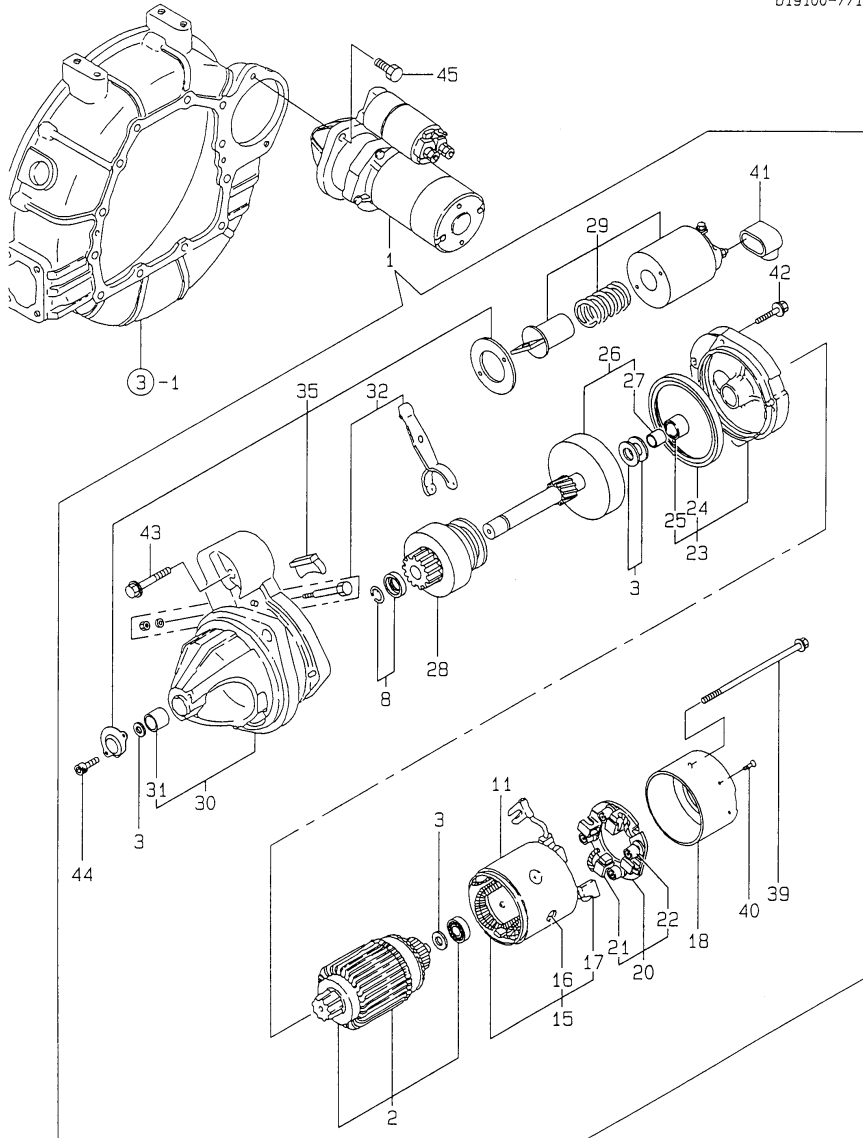


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-55600	FILTER, FUEL	1							
2	1	129470-55610	BODY, STRAINER	1							
3	1	26106-100252	BOLT, M10X 25 PLATED	2							
4	1	121250-49110	JOINT, PIPE	1							
5	1	101304-59020	JOINT, PIPE 12	2							
6	1	119006-59110	CLAMP	1							
7	1	103854-59191	BOLT ASSY, JOINT M12	1							
9	2	124060-59380	PLUG, 6	1							
10	2	43400-500390	SEAL WASHER 6S	1							
11	1	105025-59530	PIPE, FUEL D13X400	1							
12	1	121855-59880	JOINT, PIPE	1							
13	1	121855-59880	JOINT, PIPE	1							
14	1	23000-013000	CLAMP, 13	4							
15	1	23857-060000	BOLT, JOINT 6	1							
16	1	23857-080000	BOLT, JOINT 8	1							
17	1	23980-730240	HOSE, 7.3X 240	1							
18	1	43400-500450	SEAL WASHER 12S	4							
19	1	43400-500470	SEAL WASHER 14S	3							
20	1	43400-500470	SEAL WASHER 14S	2							
21	1	101304-59020	JOINT, PIPE 12	1							
22	1	124066-59100	CLIP, HOSE 8	7							
23	1	129495-59300	BOLT, PIPE JOINT	1							
24	1	129470-59530	JOINT, PIPE	1							
25	1	119000-59550	PIPE, FUEL RETURN	2							
26	1	119000-59560	PIPE, FUEL RETURN	1							
27	1	129150-59580	CAP	1							
28	1	129255-59580	PIPE, FUEL	1							
29	1	129100-59951	VALVE ASSY, CHECK	1							
37	1	23000-013000	CLAMP, 13	2							
38	1	23414-080000	GASKET, 8X1.0	1							
39	1	26106-080102	BOLT, M8X 10 PLATED	1							
40	1	43400-500450	SEAL WASHER 12S	2							
41	1	43400-500470	SEAL WASHER 14S	2							
42	1	129335-55700	SEPARATOR ASSY,WATER	1							
43	2	104200-55321	VALVE, TAPER	1							
44	2	104200-55330	SPRING, VALVE	1							
45	2	104200-55341	HANDLE	1							
46	2	124064-55510	COVER	1							
47	2	102103-55520	O-RING	1							
48	2	110250-55610	RING, RETAINING	1							
49	2	121257-55720	SPRING	1							
50	2	121257-55731	FLOAT	1							
52	2	101720-55750	PLUG, 6	2							
53	2	104200-55750	SCREW, M4	1							
54	2	171081-55910	SCREEN	1							
55	2	23418-060000	GASKET, 6X1.0	2							
56	2	24311-240100	O-RING, 1AP10A	1							

Fig.17. STARTING MOTOR

Y00D4540
3TN100L-MK

019100-77100



(A)=3TN100L-MK

(B)=

(C)=

(D)=

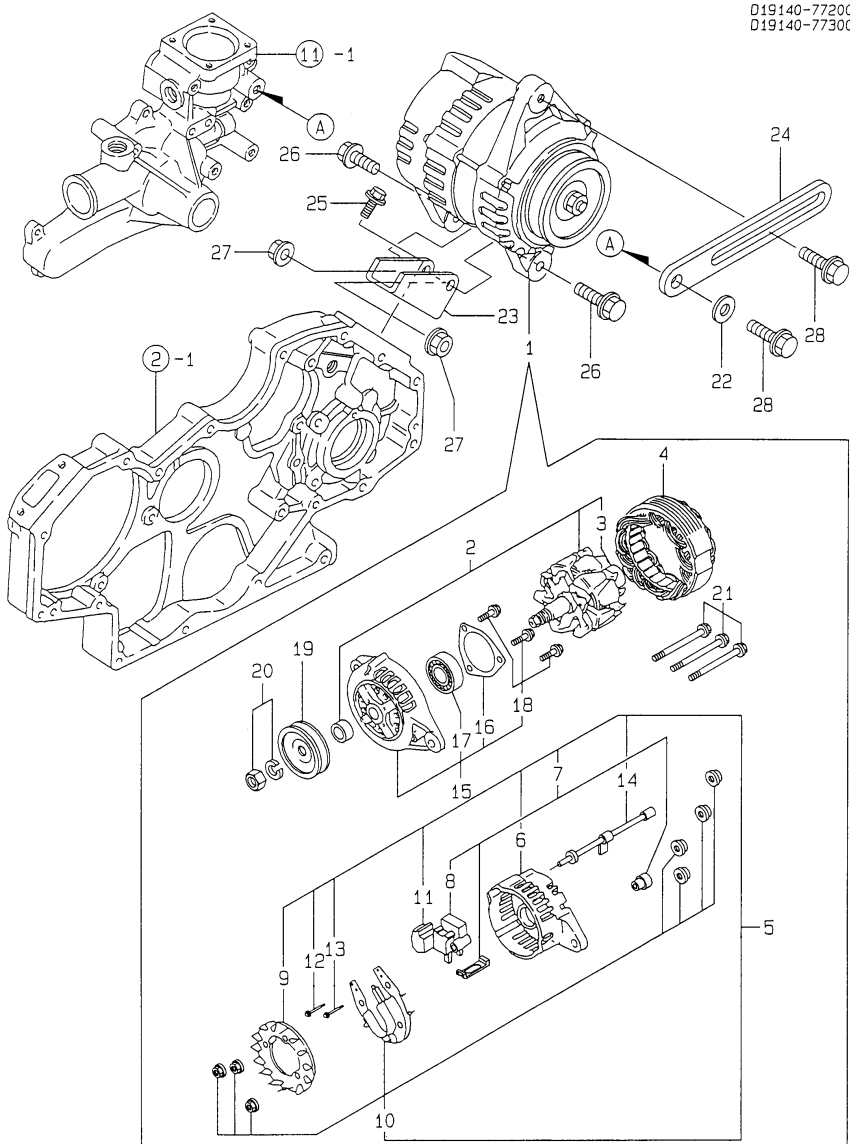
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121254-77012	STARTING MOTOR(DC12V	1							
2	2	121254-77401	ARMATURE, (NON-ASB.)	1							
3	2	121254-77430	WASHER KIT, THRUST	1							
8	2	121254-77480	STOPPER KIT, PINION	1							
11	2	121254-77510	YORK ASSY	1							
15	2	121254-77520	COIL ASSY, FIELD	1							
16	3	121254-77530	SCREW, POLE CORE	4							
17	3	121254-77540	BRUSH(+)	2							
18	2	121254-77550	COVER ASSY, REAR	1							
20	2	121254-77570	HOLDER ASSY, BRUSH	1							
21	3	121254-77580	BRUSH (-)	2							
22	3	121254-77590	SPRING, BRUSH	4							
23	2	121254-77600	BEARING ASSY, CENTER	1							
24	3	119129-77210	SEAL, OIL	1							
25	3	119129-77220	BEARING, NEEDLE	1							
26	2	121254-77640	SHAFT ASSY, GEAR	1							
27	3	121254-77650	INNER	1							
28	2	121254-77661	PINION ASSY	1							
29	2	121254-77670	SWITCH, MAGNETIC	1							
30	2	121254-77681	CASE ASSY, GEAR	1							
31	3	121254-77690	METAL, GEAR CASE	1							
32	2	121254-77700	LEVER SET, SHIFT	1							
35	2	121254-77730	DUST COVER SET	1							
39	2	121254-77770	BOLT, THROUGH	2							
40	2	121254-77790	SCREW 4	2							
41	2	121254-77810	COVER, TERMINAL	1							
42	2	26106-060302	BOLT, M6X 30 PLATED	3							
43	2	26106-060452	BOLT, M6X 45 PLATED	2							
44	2	26450-050122	BOLT, M5X 12	2							
45	1	26116-120302	BOLT, M12X 30 PLATED	2							

Fig.18. GENERATOR

Y00D4540
3TN100L-MK



(A)=3TN100L-MK

(B)=

(C)=

(D)=

(E)=

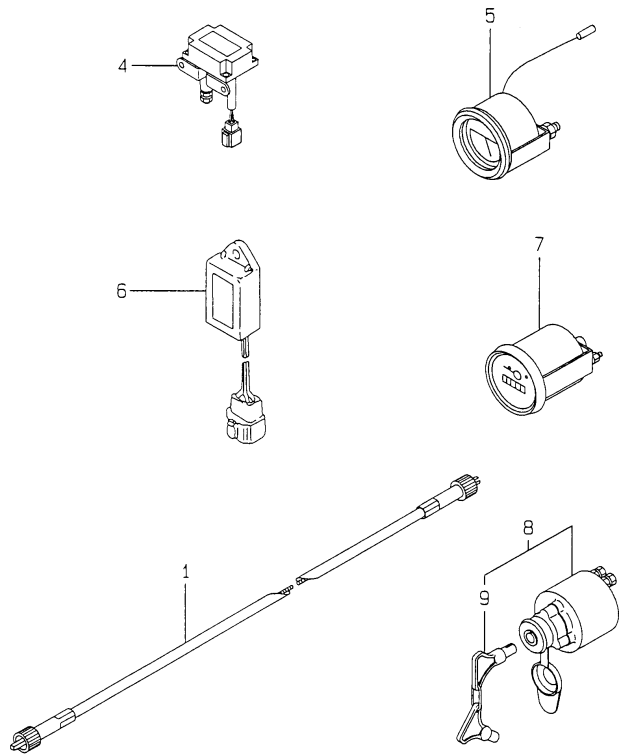
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1							
2	2	119836-77700	ROTOR ASSY	1							
3	3	119836-77850	BALL BEARING	1							
4	2	119836-77710	STATOR ASSY	1							
5	2	119836-77721	COVER ASSY, REAR	1							
6	3	119836-77730	COVER, REAR	1							
7	3	119836-77741	BRUSH ASSY,REGULATOR	1							
8	4	119836-77750	BRUSH ASSY	1							
9	3	119836-77760	GUIDE, FAN SIDE	1							
10	3	119836-77770	DIODE ASSY	1							
11	3	119836-77780	CONDENSER	1							
12	3	119836-77871	BOLT (1)	1							
13	3	119836-77880	BOLT (2)	1							
14	3	119836-77890	WIRE ASSY, LEAD	1							
15	2	119836-77790	COVER ASSY, FRONT	1							
16	3	119836-77800	RETAINER, BEARING	1							
17	3	119836-77840	BALL BEARING	1							
18	2	119836-77860	SCREW KID	1							
19	2	119836-77810	PULLEY	1							
20	2	119836-77820	NUT ASSY, PULLEY	1							
21	2	119836-77830	BOLT, THROUGH	1							
22	1	106100-55800	WASHER	1							
23	1	119005-77340	BRACKET, GENERATOR	1							
24	1	121857-77330	ADJUSTER	1							
25	1	26106-080202	BOLT, M8X 20 PLATED	2							
26	1	26106-080302	BOLT, M8X 30 PLATED	2							
27	1	26366-080002	NUT, M8	2							
28	1	26106-080202	BOLT, M8X 20 PLATED	2							

Fig.19. ELECTRIC PARTS

Y00D4540
3TN100L-MK

D19032-93060



(A)=3TN100L-MK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194145-56901	CABLE, HOUR-METER	1							
4	1	129136-77100	RELAY, SAFETY	1							
5	1	171010-77850	THERMOSTAT	1							
6	1	128300-77920	TIMER	1							
7	1	171080-91100	TACHOMETER	1							
8	1	121575-91250	SWITCH, KEY	1							
9	2	123482-91291	KEY	2							

Fig.20. GASKET SET(OPTIONAL)

(A)=3TN100L-MK

(B)=

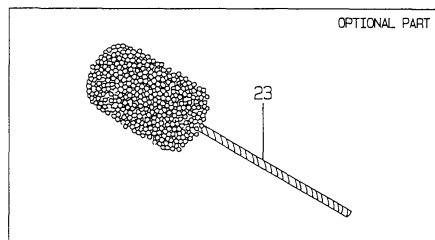
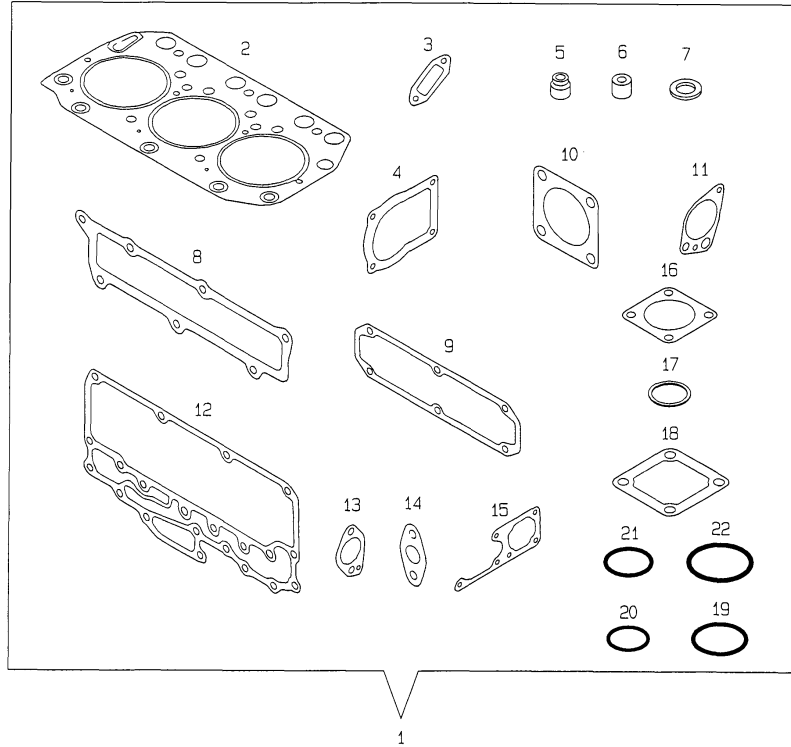
(C)=

(D)=

(E)=

(F)=

Y00D4540
3TN100L-MK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719032-92602	GASKET SET	1							1
2	2	119000-01340	GASKET, HEAD T=1.3	1							
3	2	119000-01771	GASKET	1							
4	2	124610-01862	GASKET	1							
5	2	121850-11150	SEAL, VALVE STEM	6							
6	2	119625-11870	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	119000-12110	GASKET, MANIFOLD	1							
9	2	119000-13200	GASKET	1							
10	2	129400-13201	GASKET, SILENCER	2							
11	2	119000-32020	GASKET, PUMP	1							
12	2	119000-33021	GASKET	1							
13	2	119000-33041	GASKET	1							
14	2	121952-33071	GASKET, COOLER	2							
15	2	119000-42021	GASKET, WATER PUMP	1							
16	2	121850-49540	GASKET, THERMOSTAT	1							
17	2	121850-49550	GASKET, THERMOSTAT	1							
18	2	121850-77021	GASKET	1							
19	2	24311-000320	O-RING, 1AP32.0	2							
20	2	24341-000240	O-RING, 1AS24.0	3							
21	2	124410-51960	O-RING	1							
22	2	24341-001350	O-RING, 1AS135.0	1							
23	1	129400-92450	HONE	1							1

Remarks
(1) OPTIONAL PART.

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101304-59020	16	5
		21
101720-55750	16	52
102103-55520	16	47
103854-59191	16	7
104200-55321	16	43
104200-55330	16	44
104200-55341	16	45
104200-55750	16	53
105025-59530	16	11
106100-55800	7	21
	18	22
110250-55610	16	48
114250-53080	15	5
114250-53120	15	9
114250-53130	15	10
114250-53140	15	11
114250-53210	15	12
114250-53400	15	13
119000-01200	1	31
119000-01340	1	32
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119000-01500	2	1
119000-01590	2	4
119000-01730	3	5
119000-01760	2	21
119000-01771	2	22
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119000-01840	1	15
119000-01930	2	9
119000-01980	1	33
119000-02020	1	20
119000-02410	1	6
119000-02450	7	2
119000-02800	1	25
119000-02930	1	28
119000-03200	4	49
119000-07200	4	7
119000-11110	4	23
119000-11200	4	33
119000-11230	4	34
119000-11240	4	32
119000-11250	4	35
119000-11260	4	36
119000-11270	4	37
119000-11280	4	38
119000-11290	4	39
119000-11311	4	48
119000-11320	4	52
119000-11810	4	16

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119000-12100	5	1
119000-12110	5	2
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119000-13100	6	1
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119000-22300	8	26
119000-23910	8	32
119000-25050	7	10
119000-25100	7	11
119000-25900	7	17
119000-25910	7	18
119000-25920	7	19
119000-25930	7	14
119000-32001	9	1
119000-32020	9	17
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119000-33010	10	2
119000-33021	10	17
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119000-33030	10	18
119000-33041	10	19
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119000-33050	10	4
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119000-35140	9	21
119000-39350	9	26
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119000-39650	9	29
119000-42021	11	17
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119000-42250	11	20
119000-48170	11	25
119000-51030	12	5
119000-51050	12	7
119000-51060	12	9
119000-51081	12	10
119000-51091	12	11
119000-51101	12	13
119000-51161	12	20
119000-51170	12	21
119000-51181	12	22
119000-51201	12	23
119000-51330	12	34
119000-51340	12	35

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119000-51360	12	37
119000-51410	12	38
119000-51450	12	39
119000-51500	12	45
119000-51510	12	46
119000-51530	12	48
119000-51550	12	49
119000-51570	12	50
119000-51580	12	51
119000-51590	12	52
119000-51650	12	53
119000-51800	12	66
119000-51900	12	67
119000-51911	12	69
119000-51990	12	84
119000-52000	14	1
119000-52100	14	8
119000-53000	15	2
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119000-59560	16	26
119000-61051	13	5
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119000-61160	13	13
119000-61170	13	14
119000-61180	13	15
119000-61190	13	16
119000-61200	13	17
119000-61300	13	21
119000-61310	13	22
119000-61320	13	23
119000-61340	13	24
119000-61380	13	26
119000-61400	13	27
119000-61470	13	32
119000-61490	13	33
119000-61500	13	34
119000-61630	13	46
119000-61801	13	53
119000-61841	13	57
119000-61870	13	63
119000-61880	13	64
119000-61890	13	65
119005-35100	9	20
119005-77340	18	23
119006-42001	11	1
119006-59110	16	6
119032-01601	3	1

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119032-01770	3	7
119032-61700	13	125
119032-61850	13	58
119032-77600	5	10
119083-34800	3	21
119083-34810	3	22
119100-01640	3	17
119100-11330	4	53
119100-21590	8	14
119100-35090	9	22
119100-59820	15	25
119100-59830	15	29
119100-59840	15	33
119100-61430	13	30
119100-61440	13	99
119101-61550	13	101
119129-77210	17	24
119129-77220	17	25
119131-49021	11	40
119140-44531	11	35
119141-44760	11	23
119141-49011	11	39
119259-44570	11	36
119260-34810	3	23
119620-01750	3	2
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119625-11870	4	43
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119625-11880	4	44
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119625-11900	4	45
119836-77200	18	1
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119836-77721	18	5
119836-77730	18	6
119836-77741	18	7
119836-77750	18	8
119836-77760	18	9
119836-77770	18	10
119836-77780	18	11
119836-77790	18	15
119836-77800	18	16
119836-77810	18	19
119836-77820	18	20
119836-77830	18	21
119836-77840	18	17
119836-77850	18	3
119836-77860	18	18
119836-77871	18	12

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119836-77880	18	13
119836-77890	18	14
120323-61060	13	6
120323-61070	13	7
120323-61470	13	100
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120445-44540	11	38
121250-39450	10	25
121250-49110	16	4
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121254-77401	17	2
121254-77430	17	3
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121254-77590	17	22
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121254-77650	17	27
121254-77661	17	28
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121254-77681	17	30
121254-77690	17	31
121254-77700	17	32
121254-77730	17	35
121254-77770	17	39
121254-77790	17	40
121254-77810	17	41
121257-55720	16	49
121257-55731	16	50
121450-42450	11	31
121550-49111	11	30
121575-91250	19	8
121820-52020	14	3
121820-52070	14	7
121820-52160	14	14
121820-52170	14	15
121820-52180	14	16
121820-52190	14	17
121820-52200	14	18
121820-52210	14	19
121820-52230	14	20
121820-52300	14	21
121820-52400	14	22
121820-52510	14	23

Parts No.	Fig. No.	Ref. No.
121850-01800	2	7
121850-01900	7	16
121850-01920	2	8
121850-11100	4	22
121850-11120	4	24
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121850-11180	4	26
121850-11800	4	15
121850-21130	8	13
121850-21200	8	5
121850-21290	8	6
121850-21660	8	11
121850-21680	8	12
121850-21920	8	7
121850-23200	8	33
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121850-49530	11	26
121850-49540	11	27
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121850-49550	11	28
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121850-51700	12	65
121850-61600	13	42
121850-77021	5	6
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121850-77050	5	7
121855-59880	16	12
	13	13
121855-61910	13	66
121857-77330	18	24
121872-77950	5	12
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121952-33071	10	5
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121952-39830	10	10
121952-51900	12	68
122710-51050	12	8
122710-51350	12	36
122710-51920	12	70
123372-59080	15	20
123385-82200	4	17
123482-91291	19	9
123672-84530	10	11
124060-59380	16	9
124064-55510	16	46
124066-59100	16	22
124160-01751	2	20
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124223-35510	10	8

Parts No.	Fig. No.	Ref. No.
124250-11190	4	27
124250-49351	11	33
124410-51861	14	2
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124411-01780	3	19
124411-35520	10	9
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124550-21600	8	17
124610-01851	2	25
124610-01862	2	26
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124612-77910	5	11
124616-61540	13	40
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128300-77920	19	6
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129100-61930	13	67
129100-77820	5	8
129136-77100	19	4
129150-03100	4	2
129150-11750	4	40
129150-14400	7	8
129150-49080	11	42
129150-49100	11	41
129150-49360	11	34
129150-59580	16	27
129150-91400	2	30
129155-51270	12	29
129155-51280	12	30
129155-61090	13	8
129155-61460	13	31
129255-59580	16	28
129335-55700	16	42
129400-13201	6	6
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129400-92450	20	23
129470-55610	16	2
129470-59530	16	24
129495-59300	16	23
135210-61090	13	9
135400-01790	1	14
135602-34390	1	16
137600-53900	12	73

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144626-51090	12	12
144626-51940	12	71
144626-51950	12	72
148616-61650	13	52
171010-77850	19	5
171051-01921	1	5
171080-91100	19	7
171081-55910	16	54
171087-42280	11	21
171301-01640	3	8
171350-03090	4	1
194145-56901	19	1
22117-050000	13	68
22137-080000	13	69
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22190-060000	12	74
22217-050000	13	71
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22217-060000	13	73
	14	24
22217-100000	13	74
22217-180000	7	22
22242-000180	4	41
22252-000340	8	27
22262-000260	13	25
22272-000040	13	43
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22272-000080	13	76
22351-030010	9	30
22351-030016	13	56
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22351-030025	13	78
22351-050012	7	23
22351-050020	13	79
22351-080016	1	17
22372-050000	13	80
22417-120120	13	81
22417-160120	13	82
22453-060000	13	83
22512-070140	7	6
	8	46
23000-013000	16	14
		37
23000-022000	4	3
23010-050000	11	46
23414-080000	9	27
	12	86
	16	38
23414-100000	1	18
23414-140000	1	19

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23414-160000	10	12
23414-180000	10	13
23414-220029	12	75
23418-060000	16	55
23857-030000	9	28
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23857-060000	16	15
23857-080000	16	16
23871-030000	1	7
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23887-080002	13	126
23887-160002	10	15
	13	84
23980-730240	16	17
24311-000110	13	85
24311-000220	9	23
24311-000320	2	23
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24311-000360	11	18
24311-240100	3	24
	16	56
24312-000150	12	76
24341-000080	13	86
24341-000240	2	32
	3	11
	20	20
24341-000260	12	77
24341-000500	12	78
24341-001350	7	20
	20	22
26013-080162	9	24
26013-080452	7	15
26014-060122	5	13
26014-060142	11	29
26022-050122	4	54
26106-060162	2	33
26106-060182	12	79
26106-060202	12	80
	15	22
26106-060222	13	87
26106-060302	17	42
26106-060352	13	88
26106-060452	17	43
26106-080102	16	39
26106-080162	1	34
	7	9

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26106-080162	9	18
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26106-080182	2	10
26106-080202	2	11
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26106-080252	2	24
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26106-080302	18	26
26106-080352	3	14
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		23
26106-080402	2	12
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26106-080452	2	13
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26106-080502	2	15
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26106-080552	2	16
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26106-080652	4	46
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26106-080702	3	15
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26106-080752	2	17
26106-080802	3	16
26106-080902	2	18
26106-081152	5	5
26106-100142	5	14
26106-100202	4	8
26106-100252	3	3
	16	3
26106-100302	3	4
26116-050102	13	89
26116-050252	13	90
26116-060356	13	91
26116-080142	13	92
26116-120302	17	45
26216-060162	12	81

Parts No.	Fig. No.	Ref. No.
26216-060252	4	28
26216-080222	6	5
26216-080652	4	29
26366-060002	4	30
	15	23
26366-080002	2	29
	4	31
	12	82
	18	27
26366-100002	7	26
26376-100002	10	16
26376-120002	13	93
26450-050122	17	44
26606-100002	13	94
26716-060002	14	25
26756-080002	13	95
26776-180002	7	27
26777-120002	13	96
27231-600000	1	8
27241-100000	4	42
27241-140000	1	9
27241-160000	4	19
27241-280000	4	20
27241-400000	1	10
	4	21
43400-500390	16	10
43400-500420	2	19
	13	127
43400-500450	13	97
	16	18
		40
43400-500470	16	19
		20
		41
43400-500500	13	98
719000-01560	1	1
719000-02870	1	35
719000-02940	1	38
719000-11700	4	9
719000-21700	8	1
719000-22500	8	20
719000-22900	8	36
719000-22950	8	38
719000-23100	8	28
719000-23600	8	34
719000-23610	8	44
719000-33700	10	1
719032-51300	12	1
719032-92602	20	1
719129-53100	15	1

Parts No.	Fig. No.	Ref. No.
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