

OCR10-M22302EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3 T N75E - G 1 • G 2, 3 T N82E - G 1 • G 2 & 4 T N82E - G 1 • G 2 engines manufactured since December 1985.
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

- | | |
|-----------------------------------|---------------------------------|
| 4. Pub. No. 0 0 0 Y 0 0 R 2 2 3 0 | First Published: January, 1986. |
| Pub. No. 0 0 0 Y 0 0 R 2 2 3 1 | First Revised : March, 1992. |
| Pub. No. 0 0 0 Y 0 0 R 2 2 3 2 | Second Revised : May, 1993. |

Directions for the Parts Catalog.

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

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)

REF.	LEV.	PARTS NO.	DESCRIPTION	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 COMPENSATOR TYPE. OPTIONAL PART, TO E00155, (4JH-DT, 4JH-DTZ)

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

1

1

(Before change) → 1-1 (After change)

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New $\xrightarrow{\text{No}}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{Yes}}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New $\xrightarrow{\text{Yes}}$ New	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{No}}$ 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.

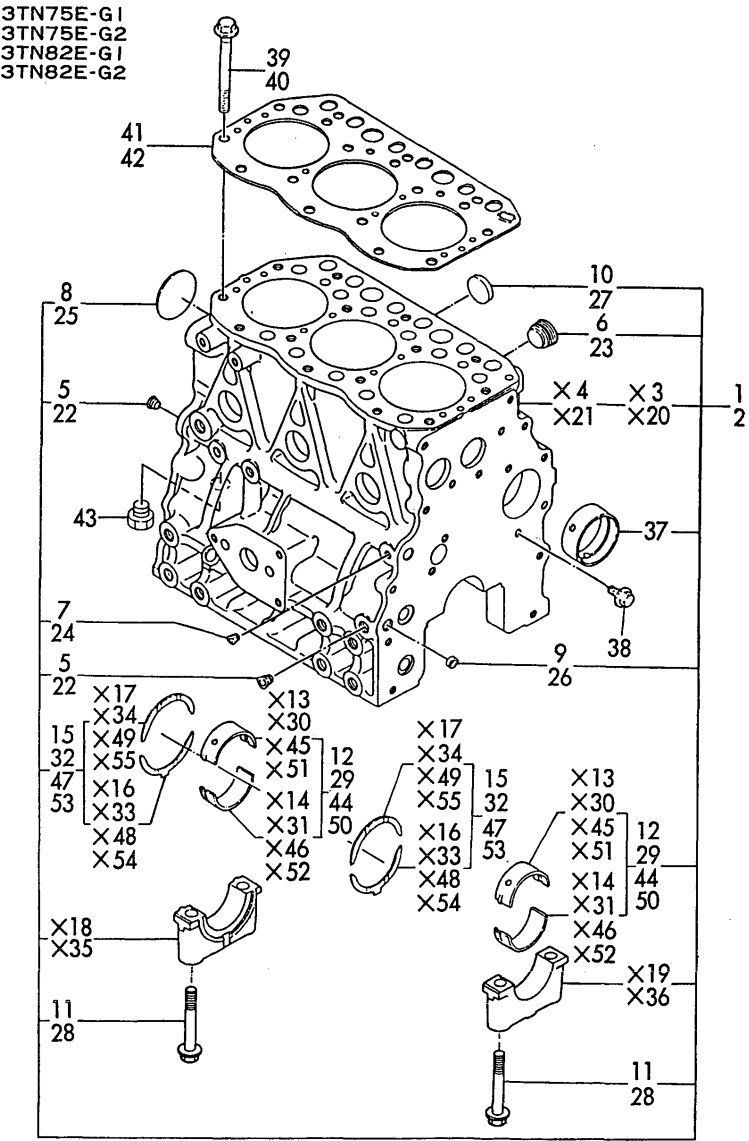
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6.	LUB.OIL SUMP (3TN82E)
7.	LUB.OIL SUMP (4TN82E)
8.	OIL SEAL HOUSING
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19.	CRANKSHAFT & FLYWHEEL
20.	PISTON & CONNECTING ROD
21.	LUB.OIL SYSTEM
22.	COOLING WATER SYSTEM
23.	RADIATOR & COOLING WATER LINE
24.	FUEL INJECTION PUMP(3TN75/82E)

Fig. No.	Fig. Name
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33.	INSTRUMENT PANEL
34.	GASKET SET(OPTIONAL) & TOOL

Fig.1. CYLINDER BLOCK(3TN75E/82E)

Fig. 1 CYLINDER BLOCK

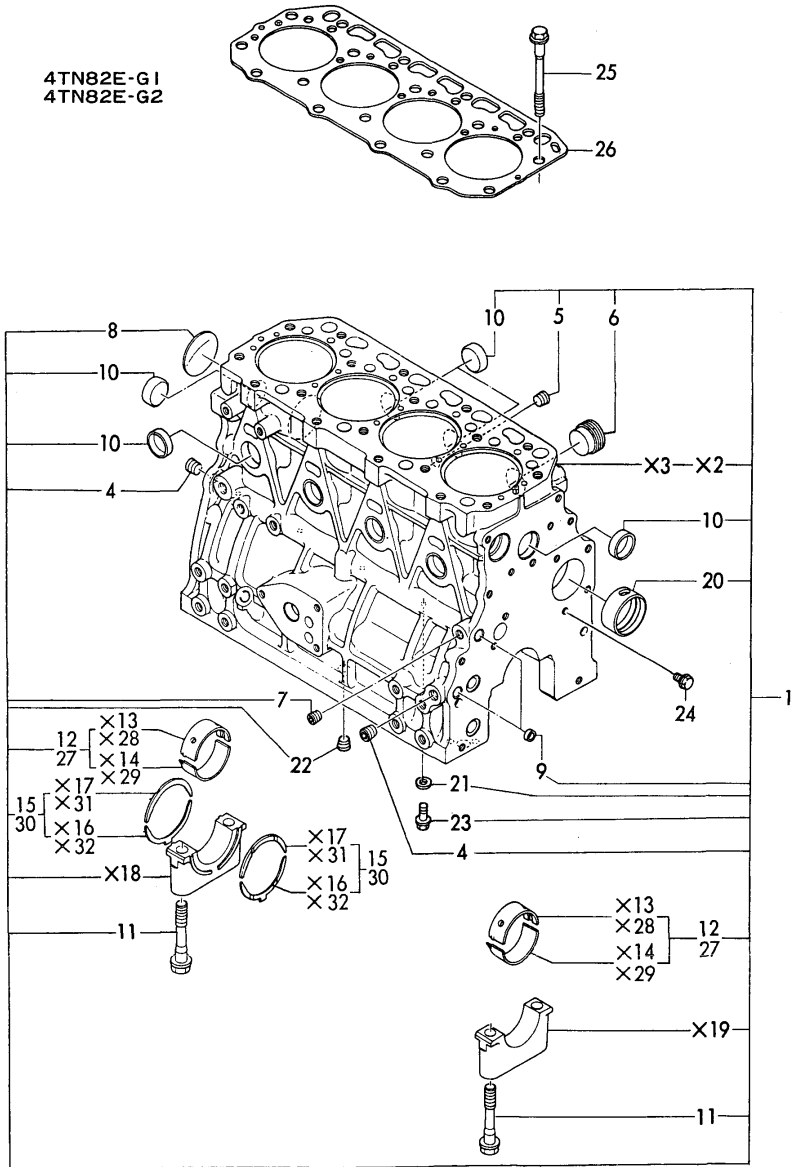


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01560	BLOCK ASSY, CYLINDER	1	1						
2	1	729151-01560	BLOCK ASSY, CYLINDER			1	1				
5	3	124160-01910	PLUG, PT1/4	2	2						
6	3	171051-01921	PLUG, NPTF1	1	1						
7	3	23871-010000	PLUG, R01	1	1						
8	3	27231-500000	PLUG 50	1	1						
9	3	27241-120000	PLUG, 12	2	2						
10	3	27241-300000	PLUG 30	6	6						
11	2	119620-02020	BOLT, METAL CAP	8	8						
12	2	719810-02800	BEARING, MAIN	4	4						
15	2	719810-02930	BEARING, THRUST	2	2						
22	3	124160-01910	PLUG, PT1/4			3	3				
23	3	171051-01921	PLUG, NPTF1			1	1				
24	3	23871-010000	PLUG, R01			1	1				
25	3	27231-500000	PLUG 50			1	1				
26	3	27241-120000	PLUG, 12			2	2				
27	3	27241-300000	PLUG 30			6	6				
28	2	129150-02020	BOLT, METAL CAP			8	8				
29	2	729150-02800	BEARING, MAIN			4	4				
29- 1	2	129150-02800	BEARING, MAIN (C=E/XXX) (D=E/XXX)			4	4				N
32	2	729150-02930	BEARING, THRUST			2	2				
32- 1	2	129150-02930	BEARING, THRUST (C=E/XXX) (D=E/XXX)			2	2				N
37	2	129795-02411	BUSH, CAMSHAFT	1	1	1	1				
38	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2				
39	1	119810-01200	BOLT, HEAD	14	14						
40	1	129150-01200	BOLT, HEAD			14	14				
41	1	119810-01320	GASKET, HEAD T=1.4	1	1						
41- 1	1	119865-01331	GASKET, HEAD T=1.4	1	1						N
(A=E/# 04449) (B=E/# 39137)											
42	1	129102-01320	GASKET, HEAD T=1.4			1	1				
42- 1	1	129156-01332	GASKET, HEAD			1	1				N
(C=E/# 03577) (D=E/# 02983)											
43	1	23887-120002	PLUG, 12	1	1						
44	1	119810-02870	BEARING, 0.25 US	4	4						1
47	1	119810-02940	BEARING, THRUST 0.25	4	4						2
50	1	129150-02870	BEARING, 0.25 US			4	4				1
53	1	129150-02940	BEARING, THRUST 0.25			4	4				2

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

Fig.2. CYLINDER BLOCK (4TN82E)

Fig.2 CYLINDER BLOCK

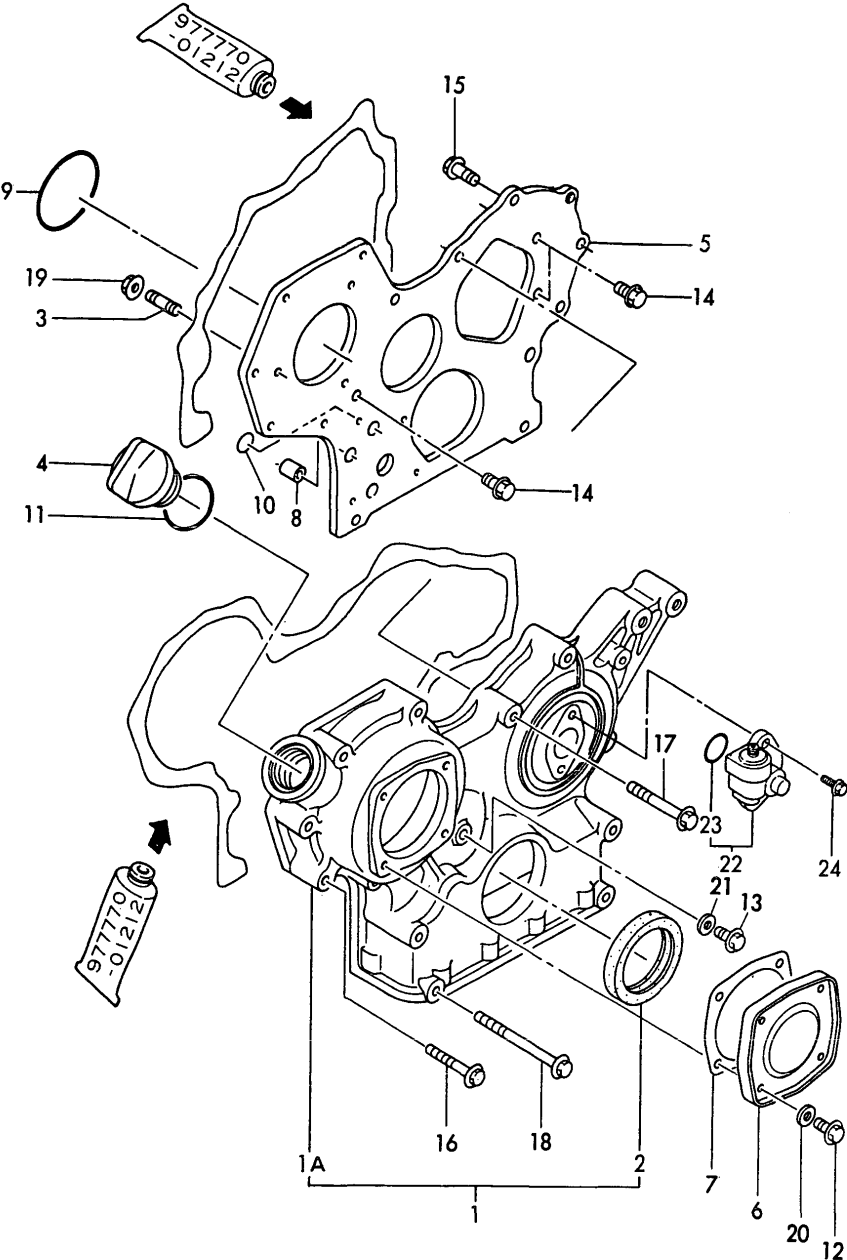


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729402-01560	BLOCK ASSY, CYLINDER					1	1		
4	3	124160-01910	PLUG, PT1/4					2	2		
5	3	124160-01910	PLUG, PT1/4					1	1		
6	3	171051-01921	PLUG, NPTF1					1	1		
7	3	23871-010000	PLUG, R01					1	1		
8	3	27231-500000	PLUG 50					1	1		
9	3	27241-120000	PLUG, 12					2	2		
10	3	27241-300000	PLUG 30					8	8		
11	2	129150-02020	BOLT, METAL CAP					10	10		
12	2	729150-02800	BEARING, MAIN					5	5		
12- 1	2	129150-02800	BEARING, MAIN					5	5	N	
				(E=EXXX)				(F=EXXX)			
15	2	729150-02930	BEARING, THRUST					2	2		
15- 1	2	129150-02930	BEARING, THRUST					2	2	N	
				(E=EXXX)				(F=EXXX)			
20	2	129795-02411	BUSH, CAMSHAFT					1	1		
21	2	23414-080000	GASKET, 8X1.0					4	4		
22	2	23871-030000	PLUG, R03					1	1		
23	2	26106-080122	BOLT, M8X 12 PLATED					4	4		
24	1	26106-080162	BOLT, M8X 16 PLATED					2	2		
25	1	129150-01200	BOLT, HEAD					18	18		
26	1	129402-01320	GASKET, HEAD T=1.4					1	1		
26- 1	1	129402-01321	GASKET, HEAD					1	1	N	
				(E=E/# 00224)				(F=E/# 00570)			
27	1	129150-02870	BEARING, 0.25 US					5	5		1
30	1	129150-02940	BEARING, THRUST 0.25					2	2		2

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

Fig.3. GEAR HOUSING

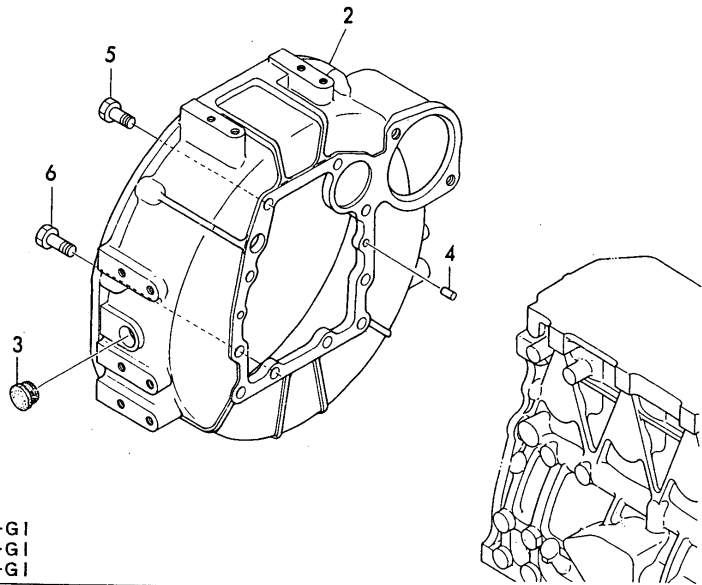
Fig.3 GEAR HOUSING



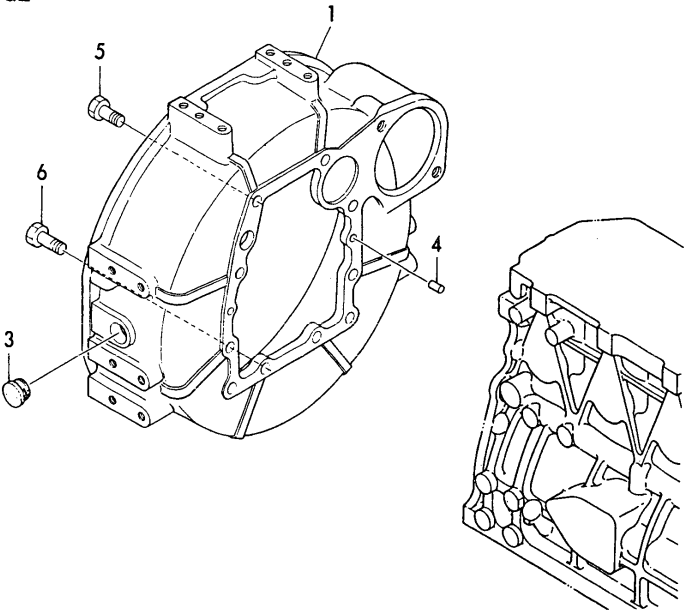
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1	1	1	1	1	1	W	
		(A=E/# 34177) (B=E/# 33397) (C=E/# 11322) (D=E/# 11848)		(E=E/# 07633)				(F=E/# 09553)			
1A	2	129400-01500	CASE, GEAR	1	1	1	1	1	1		
2	2	129795-01800	SEAL, OIL	1	1	1	1	1	1		
3	1	121450-01560	STUD, M8X22	3	3	3	3	3	3		
4	1	124160-01751	COVER, FILLER	1	1	1	1	1	1		
5	1	129400-01520	FLANGE, GEAR CASE	1	1	1	1	1	1		
6	1	124240-01871	COVER	1	1	1	1	1	1		
7	1	124240-01882	GASKET	1	1	1	1	1	1		
7-1	1	124240-01883	GASKET	1	1	1	1	1	1	N	
		(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)		(E=E/XXX)				(F=E/XXX)			
8	1	129795-01950	PIPE, KNOCK L=18	2	2	2	2	2	2		
9	1	121850-51960	O-RING	1	1	1	1	1	1		
10	1	24311-000160	O-RING, 1AP16.0	2	2	2	2	2	2		
11	1	24311-000320	O-RING, 1AP32.0	1	1	1	1	1	1		
12	1	26106-080122	BOLT, M8X 12 PLATED	4	4	4	4	4	4		
13	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1	1	1		
14	1	26106-080162	BOLT, M8X 16 PLATED	3	3	3	3	3	3		
15	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2	2	2	2		
16	1	26106-080452	BOLT, M8X 45 PLATED	6	6	6	6	6	6		
17	1	26106-080552	BOLT, M8X 55 PLATED	3	3	3	3	3	3		
18	1	26106-080852	BOLT, M8X 85 PLATED	4	4	4	4	4	4		
19	1	26366-080002	NUT, M8	3	3	3	3	3	3		
20	1	43400-500410	SEAL WASHER 8S	4	4	4	4	4	4		
21	1	43400-500410	SEAL WASHER 8S	1	1	1	1	1	1		
22	1	129150-91400	GEAR	1	1	1	1	1	1		
23	2	24341-000240	O-RING, 1AS24.0	1	1	1	1	1	1		
24	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2	2	2	2		

Fig.4. FLYWHEEL HOUSING

Fig.4 FLYWHEEL HOUSING



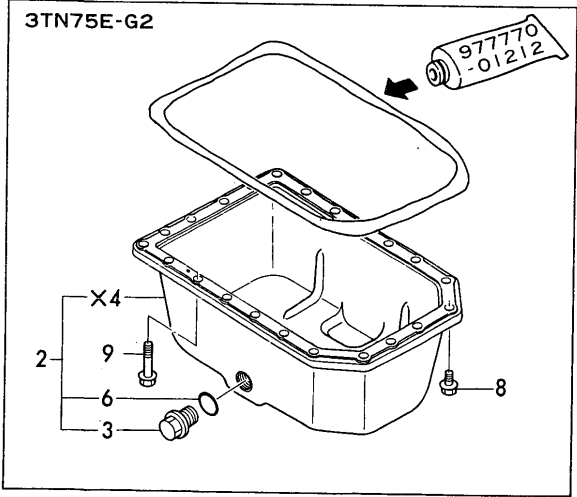
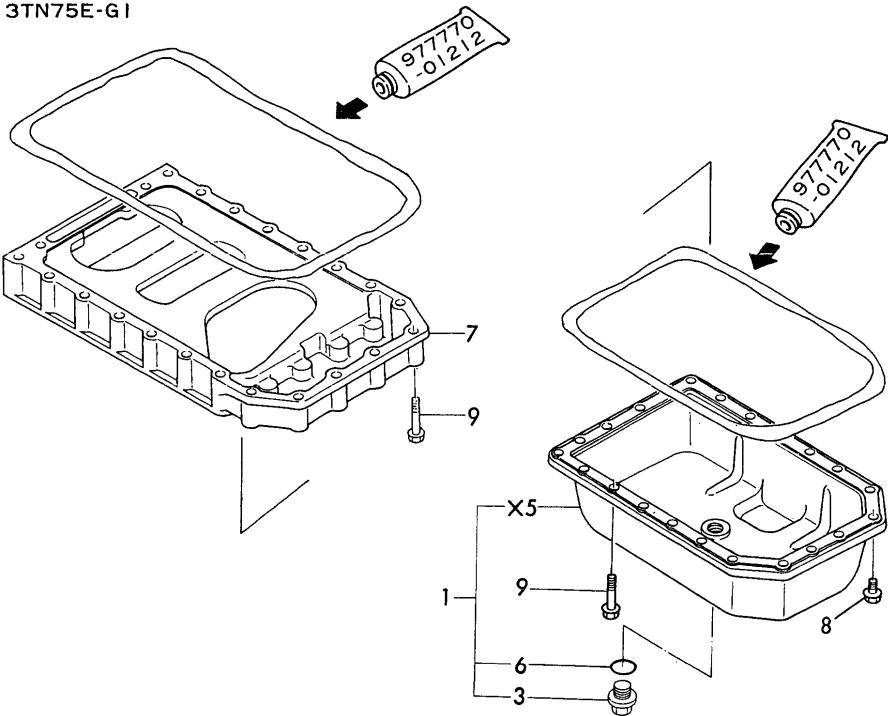
3TN75E-G1
3TN82E-G1
4TN82E-G1
3TN75E-G2
3TN82E-G2
4TN82E-G2



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171301-01600	HOUSING, FLYWHEEL		1		1		1		
2	1	171420-01600	HOUSING, FLYWHEEL	1		1		1			
3	1	119620-01750	CAP	1	1	1	1	1	1		
4	1	22312-080160	PIN, PARALLEL M8X16	2	2	2	2	2	2		
4- 1	1	129100-01580	PIN, M8X16	2	2	2	2	2	2	N	
(A)=E/# 08549) (B)=E/# 10740) (C)=E/# 03577) (D)=E/# 02983)				(E)=E/# 01070)		(F)=E/# 01059)					
5	1	26206-100252	BOLT, M10X 25 PLATED	6	6	6	6	6	6		
6	1	26206-100302	BOLT, M10X 30 PLATED	4	4	4	4	4	4		

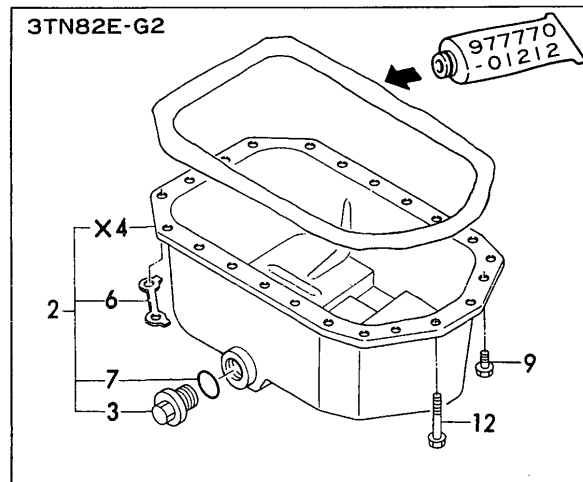
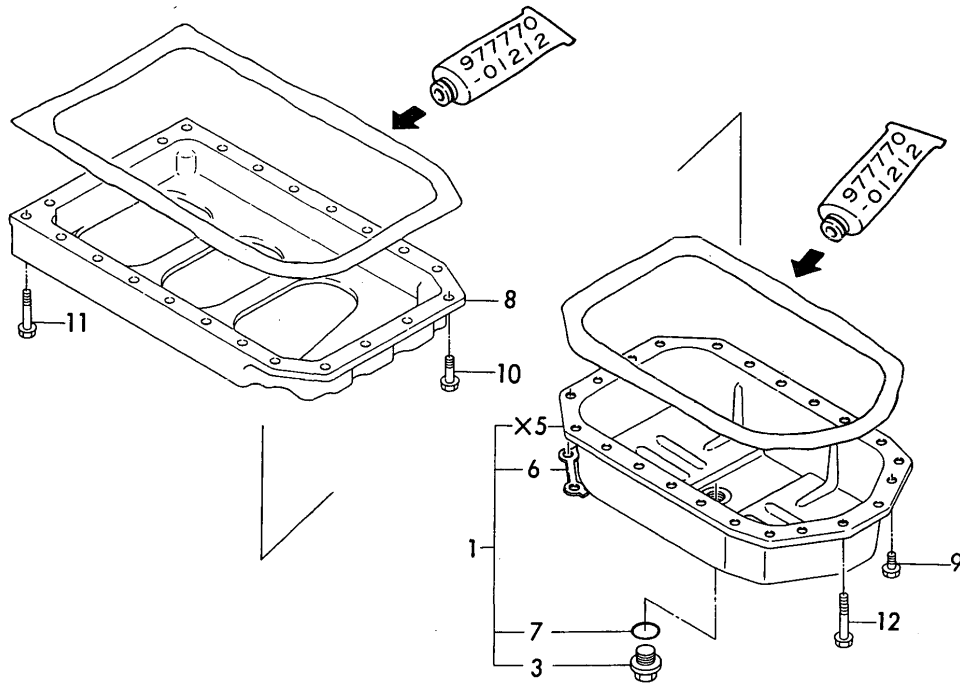
Fig.5. LUB.OIL SUMP (3TN75E)

Fig.5 LUB. OIL SUMP
3TN75E-G1



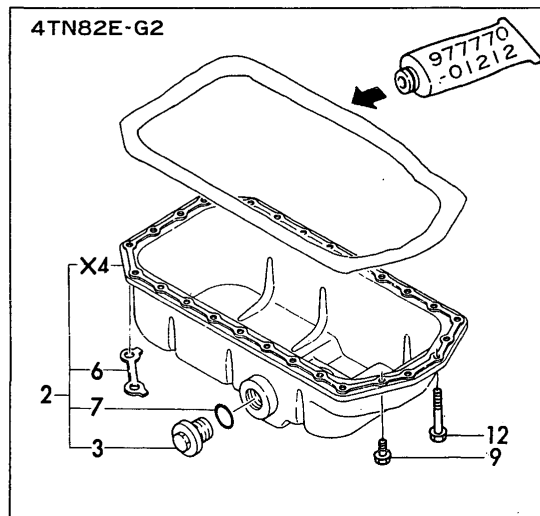
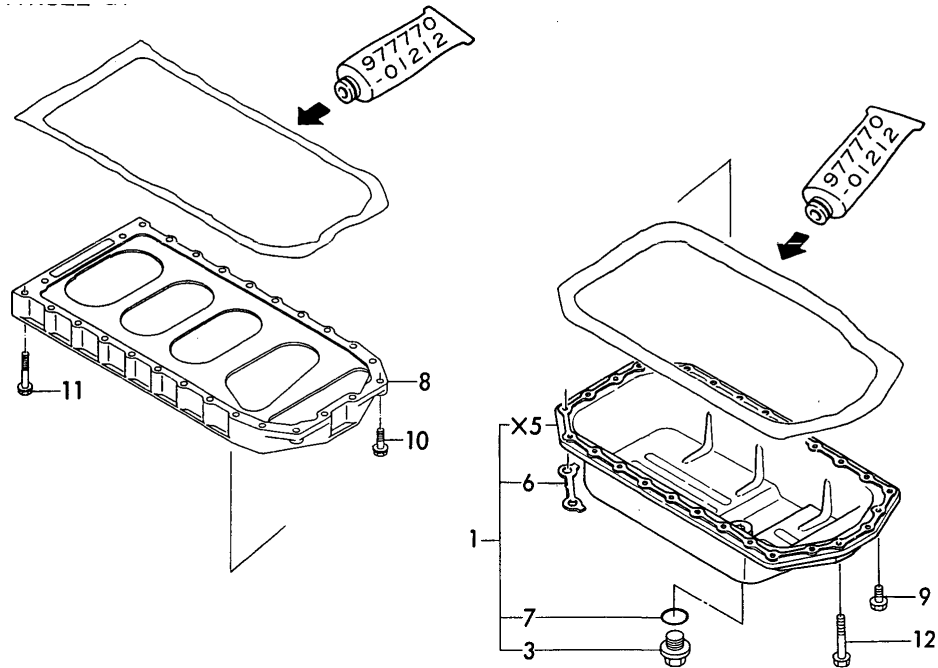
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01541	SUMP ASSY, OIL	1							
1- 1	1	119810-01790	SUMP ASSY, OIL	1						N	
(A=EXXX)											
2	1	719888-01540	SUMP ASSY, OIL		1						
2- 1	1	119810-01770	SUMP ASSY, OIL		1					N	
(B=EXXX)											
3	2	171301-01640	PLUG, 22	1	1						
6	2	24341-000250	O-RING, 1AS25.0	1	1						
6- 1	2	24341-000240	O-RING, 1AS24.0	1	1					N	
(A=E/# 05380) (B=E/# 10740)											
7	1	119810-01730	SPACER, OIL SUMP	1	1						
8	1	26106-080162	BOLT, M8X 16 PLATED	6	6						
9	1	26106-080452	BOLT, M8X 45 PLATED	22	22						

Fig. 6 LUB. OIL SUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729100-01540	SUMP ASSY, OIL			1					
1- 1	1	729102-01540	SUMP ASSY, OIL (C=E/XXX)			1					N
2	1	771341-01540	SUMP ASSY, OIL				1				
2- 1	1	129100-01770	SUMP ASSY, OIL (D=E/XXX)				1				N
3	2	171301-01640	PLUG, 22			1	1				
6	2	129100-01790	RETAINER			2	2				
7	2	24341-000250	O-RING, 1AS25.0			1	1				
7- 1	2	24341-000240	O-RING, 1AS24.0 (C=E/# 01304) (D=E/# 02983)			1	1				N
8	1	129100-01730	SPACER, OIL SUMP			1	1				
9	1	26106-080162	BOLT, M8X 16 PLATED			4	4				
10	1	26106-080252	BOLT, M8X 25 PLATED			2	2				
11	1	26106-080452	BOLT, M8X 45 PLATED			16	16				
12	1	26106-080502	BOLT, M8X 50 PLATED			4	4				

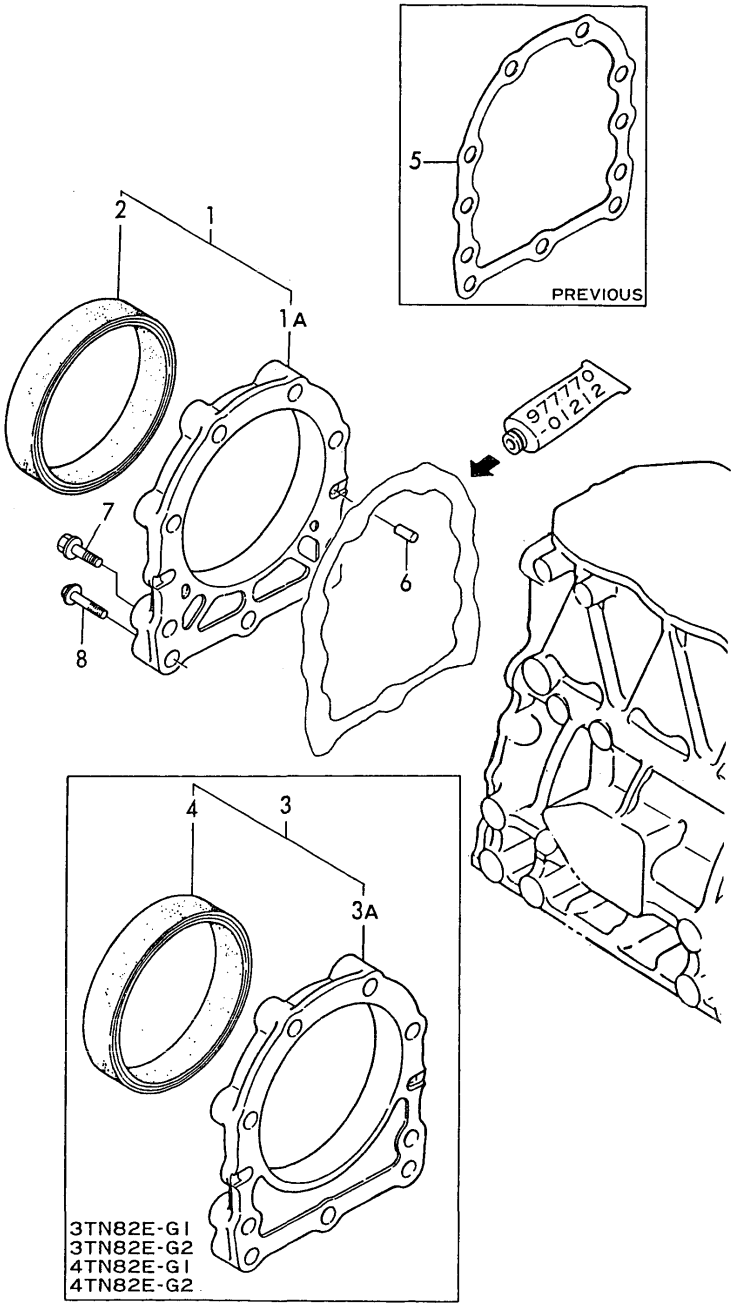
Fig. **7** LUB. OIL SUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729488-01540	SUMP ASSY, OIL					1			
1- 1	1	729402-01540	SUMP ASSY, OIL					1			N
(E=EXXX)											
2	1	729400-01541	SUMP ASSY, OIL							1	
2- 1	1	129400-01770	SUMP ASSY, OIL							1	N
(F=EXXX)											
3	2	171301-01640	PLUG, 22					1	1		
6	2	129100-01790	RETAINER					2	2		
7	2	24341-000250	O-RING, 1AS25.0					1	1		
7- 1	2	24341-000240	O-RING, 1AS24.0					1	1		N
(E=E/# 00666) (F=E/# 00918)											
8	1	129400-01730	SPACER, OIL SUMP					1	1		
9	1	26106-080162	BOLT, M8X 16 PLATED					4	4		
10	1	26106-080252	BOLT, M8X 25 PLATED					2	2		
11	1	26106-080452	BOLT, M8X 45 PLATED					20	20		
12	1	26106-080502	BOLT, M8X 50 PLATED					4	4		

Fig.8. OIL SEAL HOUSING

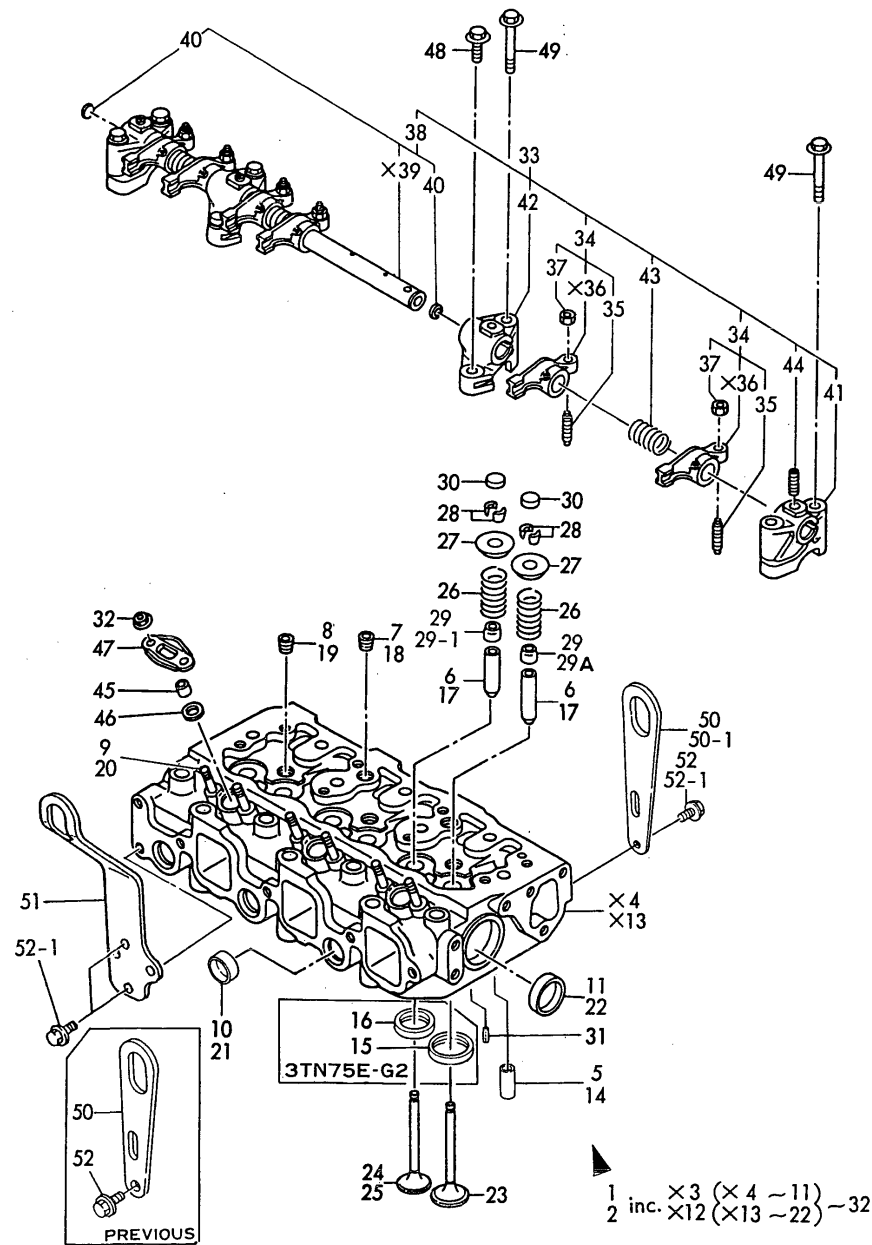
Fig.8 OIL SEAL HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01650	CASE ASSY, OIL SEAL	1	1						W
		(A=E/# 34177) (B=E/# 33397)									
1A	2	119860-01650	CASE, OIL SEAL	1	1						
2	2	119810-01780	SEAL, 769310	1	1						
3	1	129100-01640	CASE ASSY, OIL SEAL			1	1	1	1		W
		(C=E/# 11322) (D=E/# 11848)		(E=E/# 07633)				(F=E/# 04335)			
3A	2	129150-01650	CASE, OIL SEAL			1	1	1	1		
4	2	129795-01780	SEAL, OIL			1	1	1	1		
5	1	129150-01660	GASKET	1	1	1	1	1	1		Z
		(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)		(E=E/XXX)				(F=E/XXX)			
6	1	22312-080160	PIN, PARALLEL M8X16	2	2	2	2	2	2		
6-1	1	129100-01580	PIN, M8X16	2	2	2	2	2	2		N
		(A=E/# 12347) (B=E/# 10740) (C=E/# 03577) (D=E/# 02983)		(E=E/# 01070)				(F=E/# 01059)			
7	1	26106-080302	BOLT, M8X 30 PLATED	6	6	6	6	6	6		
8	1	26106-080352	BOLT, M8X 35 PLATED	3	3	3	3	3	3		

Fig.9. CYLINDER HEAD (3TN75E)

Fig.9 CYLINDER HEAD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719888-11700	HEAD ASSY, CYLINDER	1							
2	1	719800-11700	HEAD ASSY, CYLINDER		1						
2-1	1	719820-11700	HEAD ASSY, CYLINDER		1						N
(B=E/# 43186)											
5	3	119810-11050	PIECE	3							
6	3	124060-11160	GUIDE, VALVE	6							
7	3	121850-11860	PLUG, PT1/4	2							
8	3	23871-030000	PLUG, R03	3							
9	3	26216-060302	STUD, M6X 30	6							
10	3	27241-220000	PLUG, 22	3							
11	3	27241-400000	PLUG, 40	2							
14	3	119810-11050	PIECE		3						
15	3	119810-11080	SEAT, INTAKE VALVE		3						
16	3	119810-11090	SEAT, EXHAUST VALVE		3						
17	3	124060-11160	GUIDE, VALVE		6						
18	3	121850-11860	PLUG, PT1/4		2						
19	3	23871-030000	PLUG, R03		3						
20	3	26216-060302	STUD, M6X 30		6						
21	3	27241-220000	PLUG, 22		3						
22	3	27241-400000	PLUG, 40		2						
23	2	119810-11100	VALVE, INTAKE	3	3						
24	2	119810-11110	VALVE, EXHAUST	3							
25	2	119810-11130	VALVE, EXHAUST		3						
26	2	119810-11120	SPRING, VALVE	6	6						
27	2	104211-11180	RETAINER, SPRING	6	6						
28	2	101158-11190	COTTER	6	6						
28-1	2	27310-070001	COTTER, 7	6	6						R
(A=EXXXXX) (B=EXXXXX)											
29	2	124950-11340	SEAL, VALVE STEM	6	6						
29-1	2	124950-11340	SEAL, VALVE STEM	3	3						K
(A=E/# 05314) (B=E/# 10740)											
29A	2	124160-11340	SEAL, VALVE STEM	3	3						W
(A=E/# 05314) (B=E/# 10740)											
30	2	104211-11370	CAP, VALVE	6	6						
31	2	22351-060012	PIN, SPRING 6.0X12	2	2						
32	2	26366-060002	NUT, M6	6	6						
33	1	119865-11200	SUPPORT ASSY, ARM	1	1						
33-1	1	119865-11210	SUPPORT ASSY	1							N
(A=E/# 43024)											
34	2	719865-11650	ARM ASSY, ROCKER	6	6						
34-1	2	719810-11650	ARM ASSY, ROCKER	6	6						N
(A=E/# 34177) (B=E/# 33397)											
34-2	2	719810-11660	ARM ASSY, ROCKER	6							N
(A=E/# 43024)											
35	3	129150-11230	SCREW, VALVE ADJUST	6	6						
37	3	129150-11750	NUT, M8	6	6						
38	2	119810-11240	SHAFT ASSY, ROCKER	1	1						
40	3	27241-100000	PLUG, 10	2	2						
41	2	129155-11260	SUPPORT, ROCKER ARM	2	2						
42	2	129155-11270	SUPPORT, ROCKER ARM	2	2						
43	2	129150-11280	SPRING	3	3						

Exploded view diagram of a 3TN75E-G2 engine assembly, showing various components and their assembly order. The diagram includes a cylinder head, crankshaft, and various bolts and nuts. A callout box shows a detail of the crankshaft assembly with parts 15, 16, and 17. A legend at the bottom right indicates the number of each part required for the assembly.

Legend:

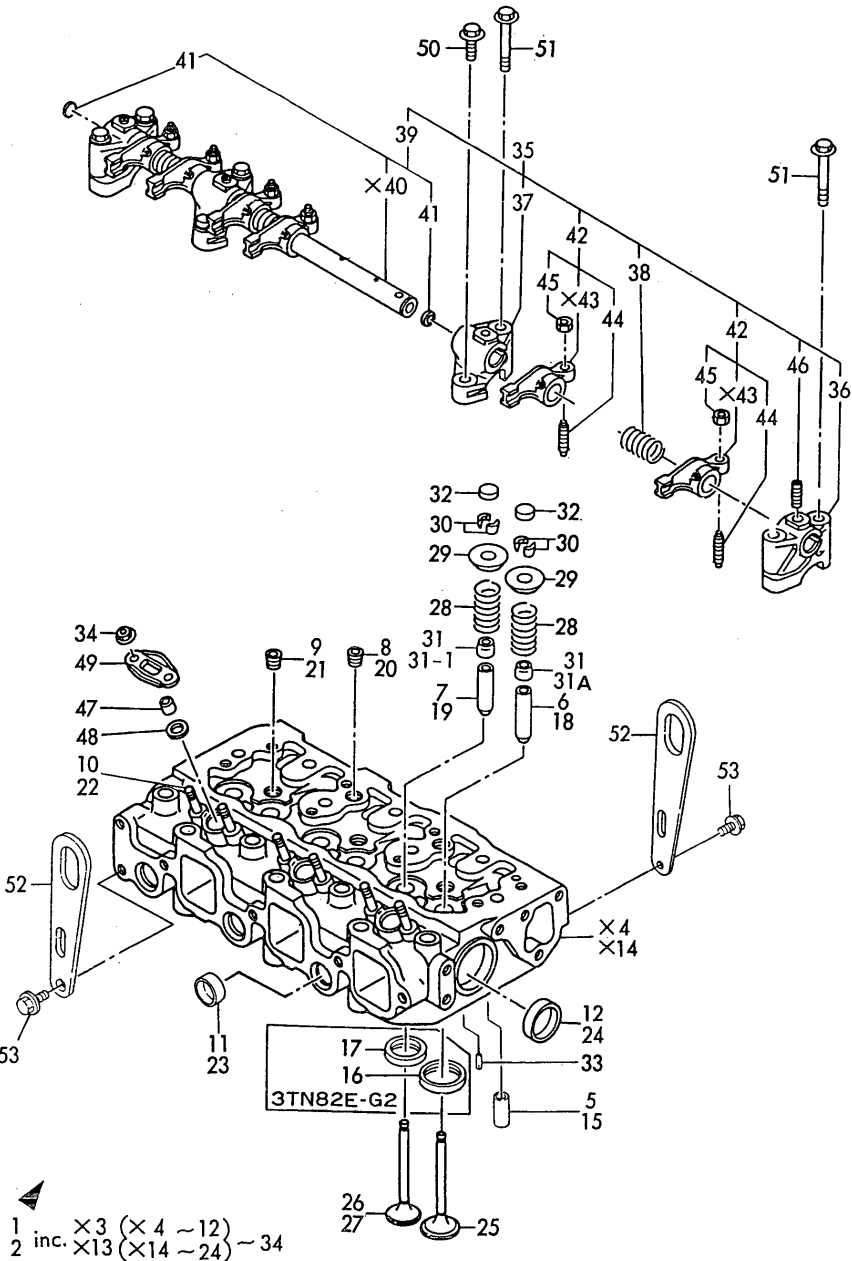
- 1 inc. $\times 3$ ($\times 4 \sim 11$)
- 2 inc. $\times 12$ ($\times 13 \sim 22$)

3TN75E-G2

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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Fig.10. CYLINDER HEAD (3TN82E)

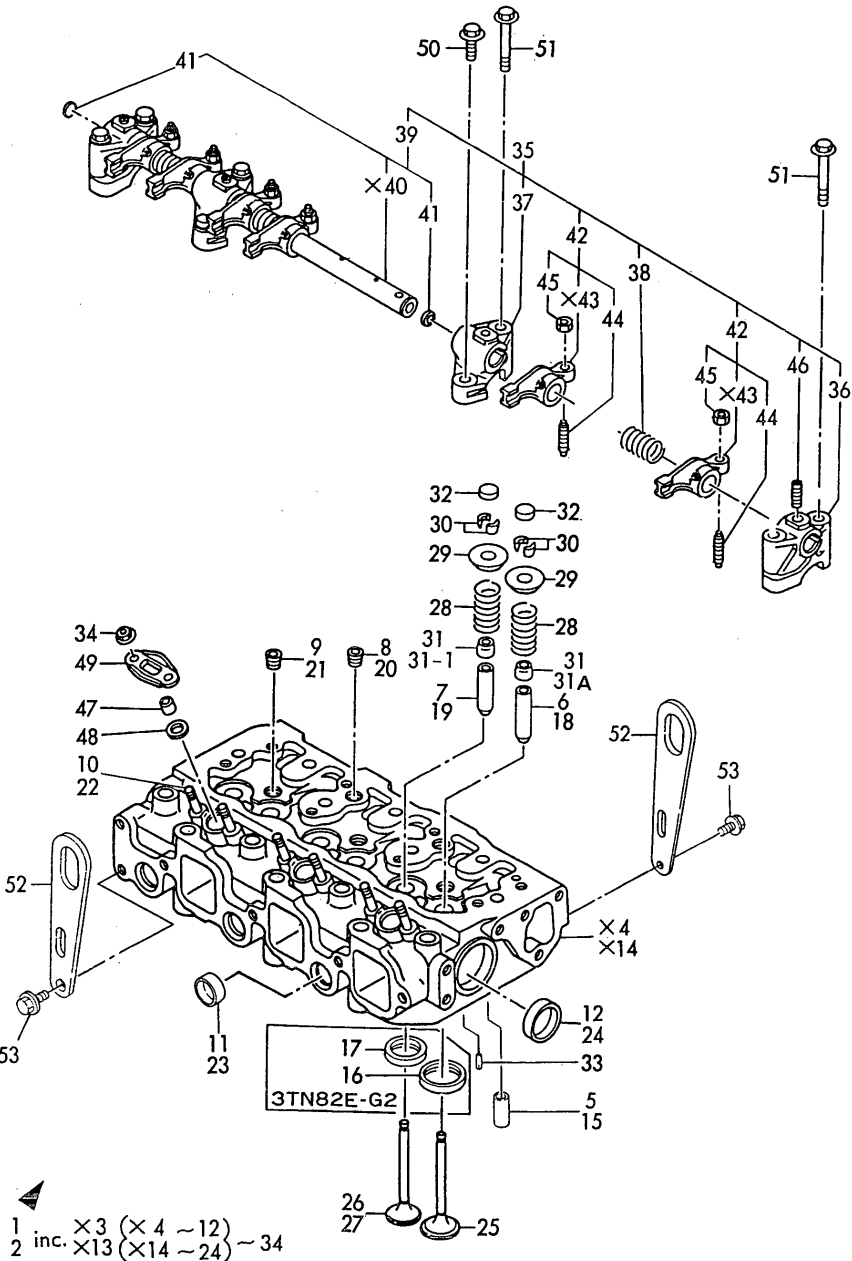
Fig. 10 CYLINDER HEAD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729102-11700	HEAD ASSY, CYLINDER			1					
2	1	771364-11700	HEAD ASSY, CYLINDER				1				
5	3	129150-11050	PIECE			3					
6	3	120130-11160	GUIDE, VALVE			3					
7	3	129150-11170	GUIDE, VALVE			3					
8	3	121850-11860	PLUG, PT1/4			2					
9	3	23871-030000	PLUG, R03			3					
10	3	26216-060202	STUD, M6X 20			6					
11	3	27241-220000	PLUG, 22			3					
12	3	27241-400000	PLUG, 40			2					
15	3	129150-11050	PIECE				3				
16	3	129470-11080	SEAT, INTAKE VALVE				3				
17	3	129470-11090	SEAT, EXHAUST VALVE				3				
18	3	120130-11160	GUIDE, VALVE				3				
19	3	129150-11170	GUIDE, VALVE				3				
20	3	121850-11860	PLUG, PT1/4				2				
21	3	23871-030000	PLUG, R03				3				
22	3	26216-060202	STUD, M6X 20				6				
23	3	27241-220000	PLUG, 22				3				
24	3	27241-400000	PLUG, 40				2				
25	2	129100-11100	VALVE, INTAKE			3	3				
26	2	129100-11110	VALVE, EXHAUST			3					
27	2	129100-11130	VALVE, EXHAUST				3				
28	2	129795-11120	SPRING, VALVE			6	6				
29	2	129795-11180	RETAINER, SPRING			6	6				
30	2	103338-11190	COTTER			6	6				
31	2	124460-11340	SEAL, VALVE STEM			6	6				
31- 1	2	124460-11340	SEAL, VALVE STEM (C=E/# 01058) (D=E/# 02983)			3	3			K	
31A	2	121400-11340	SEAL, VALVE STEM (C=E/# 01058) (D=E/# 02983)			3	3			W	
32	2	129150-11370	CAP, VALVE			6	6				
33	2	22351-060012	PIN, SPRING 6.0X12			2	2				
34	2	26366-060002	NUT, M6			6	6				
35	1	129155-11241	SHAFT ASSY, ROCKER			1	1				
35- 1	1	129100-11240	SHAFT ASSY, ROCKER (C=E/# 12623)			1				N	
36	2	129155-11260	SUPPORT, ROCKER ARM			2	2				
37	2	129155-11270	SUPPORT, ROCKER ARM			2	2				
38	2	129150-11280	SPRING			3	3				
39	2	129150-11290	SHAFT, ROCKER ARM			1	1				
41	3	27241-100000	PLUG, 10			2	2				
42	2	729150-11651	ARM ASSY, ROCKER			6	6				
42-1A	2	129100-11650	ARM, ROCKER (C=E/# 12623)			6				N	
42-1B	2	729402-11650	ARM ASSY, ROCKER (D=E/# 12247)				6			N	
44	3	129150-11230	SCREW, VALVE ADJUST			6	6				
45	3	129150-11750	NUT, M8			6	6				
46	2	26226-080182	STUD, M8X 18			3	3				
47	1	119625-11870	PROTECTOR, NOZZLE			3	3				

Fig.10. CYLINDER HEAD (3TN82E)

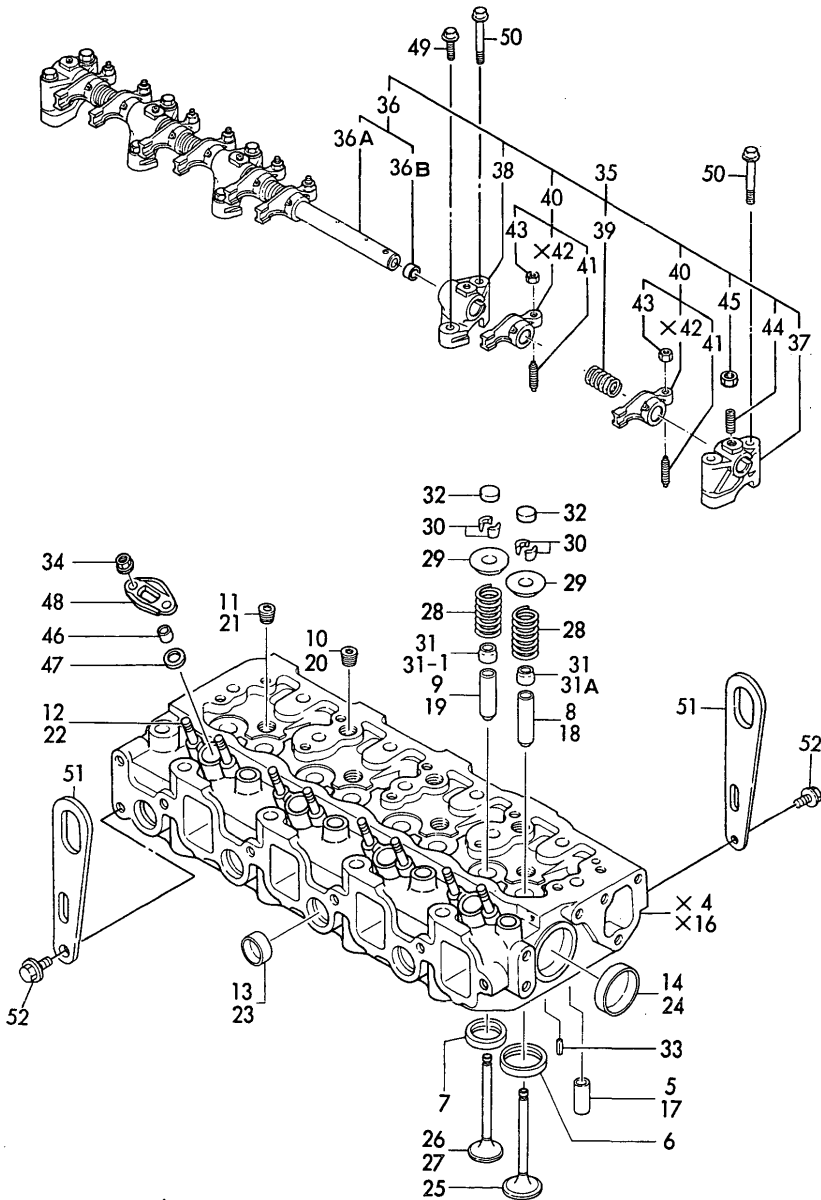
Fig.10 CYLINDER HEAD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	1	119625-11880	SEAT, NOZZLE			3	3				
49	1	119625-11900	RETAINER, NOZZLE			3	3				
50	1	26106-080252	BOLT, M8X 25 PLATED			2	2				
51	1	26106-080502	BOLT, M8X 50 PLATED			6	6				
52	1	124736-07900	LIFTER			2	2				
53	1	26106-080142	BOLT, M8X 14 PLATED			4	4				

Fig.11. CYLINDER HEAD (4TN82E)

Fig.11 CYLINDER HEAD

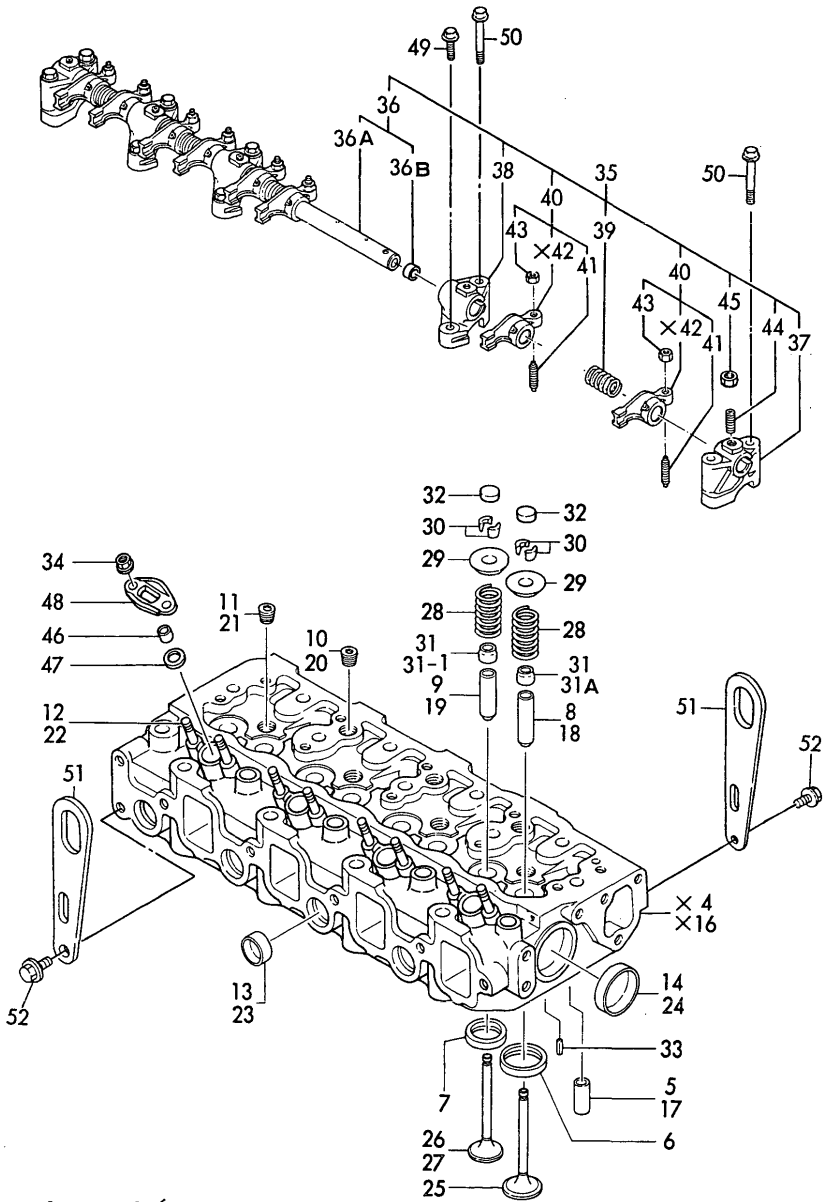


1 inc. ×3 (×4 ~14)
2 inc. ×15 (×16 ~24) ~ 34

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729402-11700	HEAD ASSY, CYLINDER							1	
2	1	729403-11700	HEAD ASSY, CYLINDER					1			
5	3	129150-11050	PIECE							4	
6	3	129470-11080	SEAT, INTAKE VALVE							4	
7	3	129470-11090	SEAT, EXHAUST VALVE							4	
8	3	120130-11160	GUIDE, VALVE							4	
9	3	129150-11170	GUIDE, VALVE							4	
10	3	121850-11860	PLUG, PT1/4							3	
11	3	23871-030000	PLUG, R03							4	
12	3	26216-060202	STUD, M6X 20							8	
13	3	27241-220000	PLUG, 22							4	
14	3	27241-400000	PLUG, 40							2	
17	3	129150-11050	PIECE					4			
18	3	120130-11160	GUIDE, VALVE					4			
19	3	129150-11170	GUIDE, VALVE					4			
20	3	121850-11860	PLUG, PT1/4					3			
21	3	23871-030000	PLUG, R03					4			
22	3	26216-060202	STUD, M6X 20					8			
23	3	27241-220000	PLUG, 22					4			
24	3	27241-400000	PLUG, 40					2			
25	2	129100-11100	VALVE, INTAKE					4	4		
26	2	129100-11110	VALVE, EXHAUST					4			
27	2	129100-11130	VALVE, EXHAUST						4		
28	2	129795-11120	SPRING, VALVE					8	8		
29	2	129795-11180	RETAINER, SPRING					8	8		
30	2	103338-11190	COTTER					8	8		
31	2	124460-11340	SEAL, VALVE STEM					8	8		
31- 1	2	124460-11340	SEAL, VALVE STEM					4	4	K	
				(E=E/# 00564)				(F=E/# 00570)			
31A	2	121400-11340	SEAL, VALVE STEM					4	4	W	
				(E=E/# 00564)				(F=E/# 00570)			
32	2	129150-11370	CAP, VALVE					8	8		
33	2	22351-060012	PIN, SPRING 6.0X12					2	2		
34	2	26367-060002	NUT, M6					8	8		
34- 1	2	26366-060002	NUT, M6					8	8	N	
				(E=E/XXX)				(F=E/XXX)			
35	1	129555-11240	SHAFT ASSY, ROCKER					1	1		
35-1A	1	129500-11240	SHAFT ASSY, ROCKER					1		N	
				(E=E/# 08533)							
35-1B	1	129555-11241	SHAFT ASSY, ROCKER						1	N	
								(F=E/XXX)			
36	2	129550-11290	SHAFT, ROCKER ARM					1	1	W	
				(E=E/XXX)				(F=E/XXX)			
36A	3	129550-11250	SHAFT, ROCKER ARM					1	1		
36B	3	27241-100000	PLUG, 10					2	2		
37	2	129155-11260	SUPPORT, ROCKER ARM					2	2		
38	2	129155-11270	SUPPORT, ROCKER ARM					3	3		
39	2	129150-11280	SPRING					4	4		
40	2	729150-11650	ARM ASSY, ROCKER					8	8		
40-1A	2	129100-11650	ARM, ROCKER					8		N	
				(E=E/# 08533)							

Fig.11. CYLINDER HEAD (4TN82E)

Fig. 11 CYLINDER HEAD

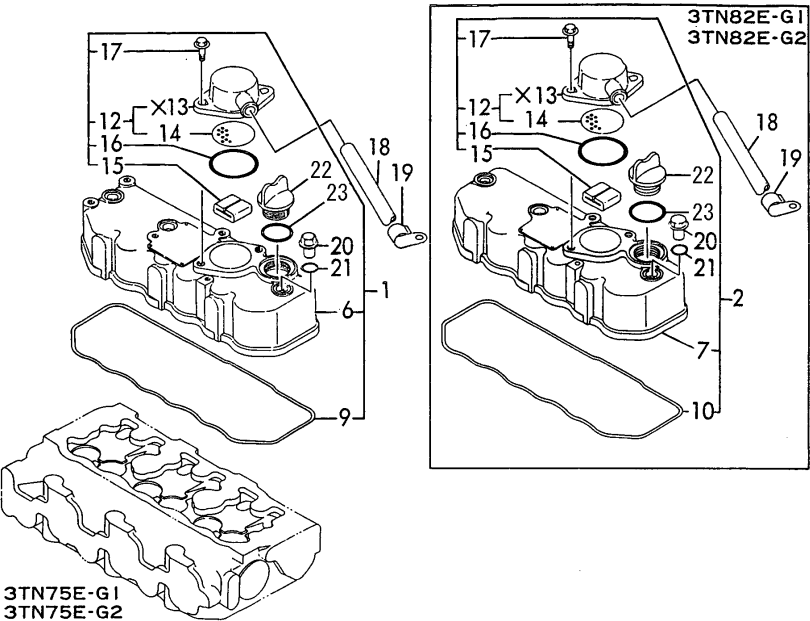


1 inc. $\times 3$ ($\times 4 \sim 14$)
2 inc. $\times 15$ ($\times 16 \sim 24$) ~ 34

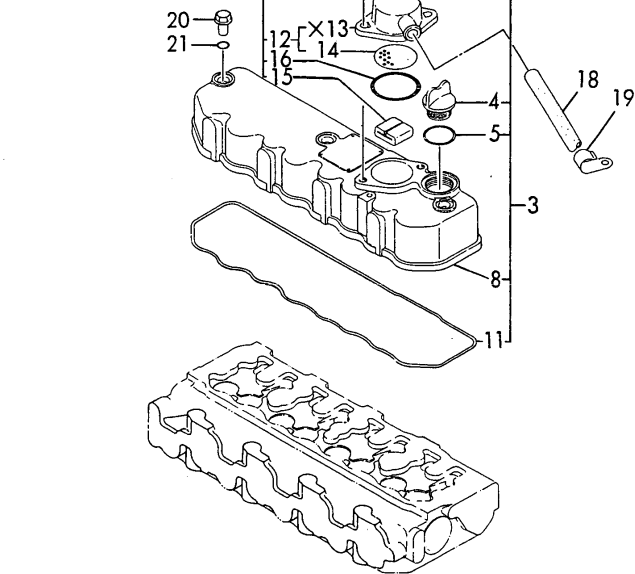
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
40-1B	2	729402-11650	ARM ASSY, ROCKER							8	N
									(F=E/# 09553)		
41	3	129150-11230	SCREW, VALVE ADJUST							8	8
43	3	129150-11750	NUT, M8							8	8
44	2	26226-080182	STUD, M8X 18							3	3
45	2	26756-080002	NUT, LOCK M8							3	3
46	1	119625-11870	PROTECTOR, NOZZLE							4	4
47	1	119625-11880	SEAT, NOZZLE							4	4
48	1	119625-11900	RETAINER, NOZZLE							4	4
49	1	26106-080252	BOLT, M8X 25 PLATED							3	3
50	1	26106-080502	BOLT, M8X 50 PLATED							7	7
51	1	124736-07900	LIFTER							2	2
52	1	26106-080142	BOLT, M8X 14 PLATED							4	4

Fig.12. BONNET

Fig.12 BONNET



3TN75E-G1
3TN75E-G2

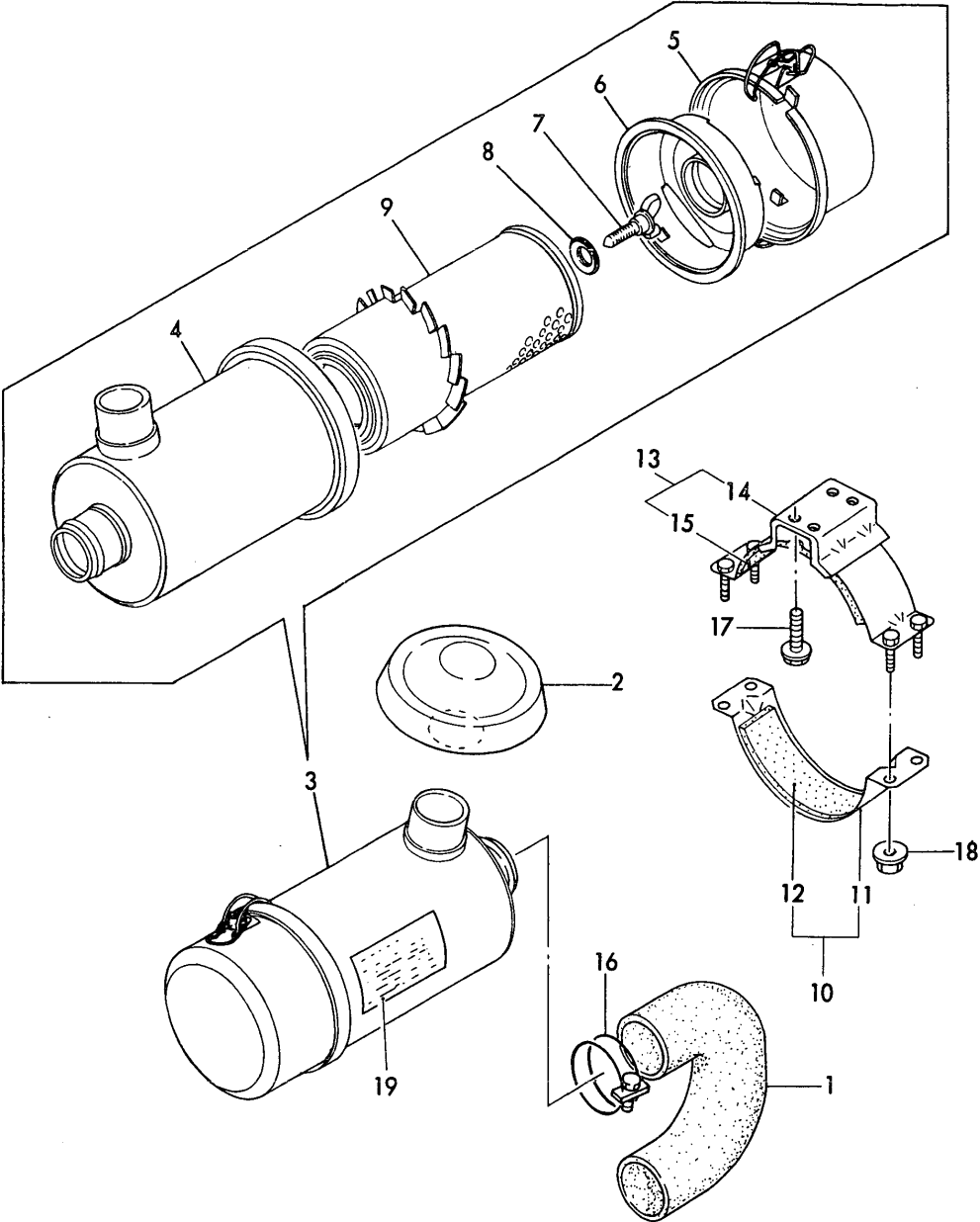


4TN82E-G1
4TN82E-G2

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-11350	BONNET ASSY, HEAD	1	1						W
		(A=E/# 34177) (B=E/# 33397)									
2	1	129100-11350	BONNET ASSY, HEAD			1	1				W
		(C=E/# 11322) (D=E/# 11848)									
3	1	129400-11350	BONNET ASSY, HEAD					1	1		W
		(E=E/# 07633) (F=E/# 09553)									
6	2	119810-11300	BONNET	1	1						
7	2	129100-11300	BONNET			1	1				
8	2	129400-11300	BONNET					1	1		
9	2	119865-11310	GASKET, BONNET	1	1						
10	2	129150-11310	GASKET, BONNET			1	1				
11	2	129550-11310	GASKET, BONNET					1	1		
12	2	129150-03010	COVER ASSY	1	1	1	1	1	1		
14	3	129150-03080	PLATE, BAFFLE	1	1	1	1	1	1		
15	2	129150-03070	BAFFLE, BREATHER	1	1	1	1	1	1		
16	2	24341-000500	O-RING, 1AS50.0	1	1	1	1	1	1		
17	2	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2	2	2		
18	1	171350-03090	PIPE , BREATHER 900	1	1	1	1	1	1		
19	1	129150-03100	RETAINER, PIPE	1	1	1	1	1	1		
20	1	124160-11360	KNOB	3	3	3	3	3	3		
21	1	24311-000120	O-RING, 1AP12.0	3	3	3	3	3	3		
22	1	124160-01751	COVER, FILLER	1	1	1	1	1	1		
23	1	24311-000320	O-RING, 1AP32.0	1	1	1	1	1	1		

Fig.13. AIR CLEANER

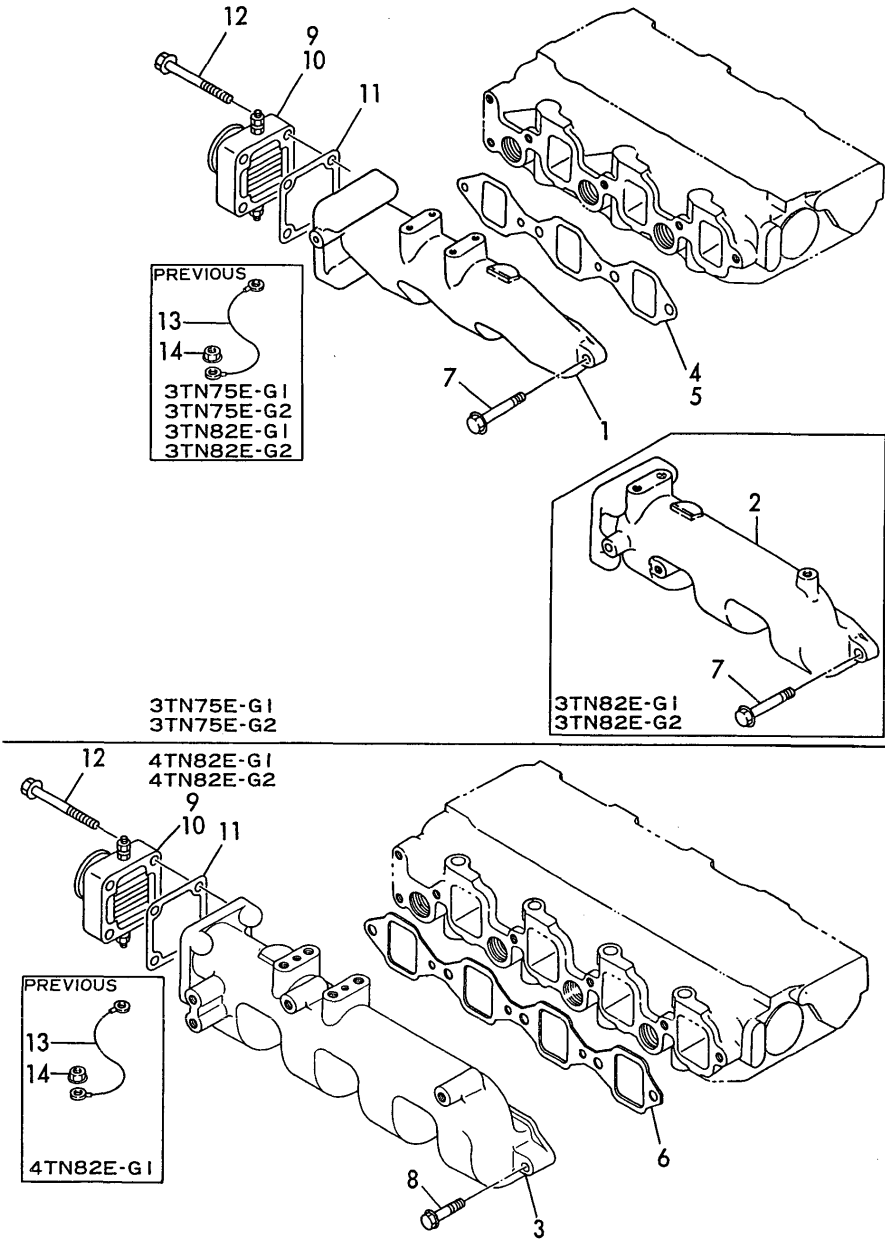
Fig.13 AIR CLEANER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171351-12210	PIPE, AIR INTAKE	1	1	1	1	1	1		
2	1	121521-12400	CAP, RAIN	1	1	1	1	1	1		
3	1	121137-12500	CLEANER ASSY, AIR	1	1	1	1	1	1		
3- 1	1	129411-12500 (A=E/# 12347) (B=E/# 13528) (C=E/# 03919)	CLEANER ASSY, AIR (D=E/# 03927)	1	1	1	1	1	1		R
4	2	121252-12520	BODY, AIR CLEANER	1	1	1	1	1	1		
4- 1	2	171064-12530 (A=E/# 12347) (B=E/# 13528) (C=E/# 03919)	CASE, AIR CLEANER (D=E/# 03927)	1	1	1	1	1	1		N
5	2	121137-12530	PAN ASSY, DUST	1	1	1	1	1	1		
5- 1	2	121120-12531 (A=E/# 12347) (B=E/# 13528) (C=E/# 03919)	PAN, DUST (D=E/# 03927)	1	1	1	1	1	1		N
6	2	121120-12540	RETAINER, ELEMENT	1	1	1	1	1	1		
6- 1	2	121120-12541 (A=E/# 12347) (B=E/# 13528) (C=E/# 03919)	RETAINER, ELEMENT (D=E/# 03927)	1	1	1	1	1	1		N
7	2	121120-12560	BOLT	1	1	1	1	1	1		
7- 1	2	121120-12561 (A=E/# 12347) (B=E/# 13528) (C=E/# 03919)	BOLT (D=E/# 03927)	1	1	1	1	1	1		N
8	2	121120-12570	WASHER, SEAL	1	1	1	1	1	1		
8- 1	2	121120-12571 (A=E/# 12347) (B=E/# 13528) (C=E/# 03919)	WASHER, SEAL (D=E/# 03927)	1	1	1	1	1	1		N
9	2	121120-12900	ELEMENT	1	1	1	1	1	1		
9- 1	2	121120-12901 (A=E/# 12347) (B=E/# 13528) (C=E/# 03919)	ELEMENT (D=E/# 03927)	1	1	1	1	1	1		N
10	1	121400-12540	BAND ASSY, CLEANER	1	1	1	1	1	1		
11	2	121400-12560	BAND, AIR CLEANER	1	1	1	1	1	1		
12	2	121400-12570	SEAT, RUBBER B	1	1	1	1	1	1		
13	1	171351-12580	SUPPORT ASSY,CLEANER	1	1	1	1	1	1		
14	2	171351-12560	SUPPORT, AIR CLEANER	1	1	1	1	1	1		
15	2	171351-12570	SEAT, RUBBER	1	1	1	1	1	1		
16	1	23000-060000	CLAMP, 60	2	2	2	2	2	2		
17	1	26106-080142	BOLT, M8X 14 PLATED	4	4	4	4	4	4		
18	1	26366-060002	NUT, M6	4	4	4	4	4	4		
19	1	124764-12600	LABEL, AIR-CLEANER	1	1	1	1	1	1		
19- 1	1	129136-12600 (A=E/# 32336) (B=E/# 32145) (C=E/# 10865)	LABEL, AIR CLEANER (D=E/# 11107)	1	1	1	1	1	1		N

Fig.14. INTAKE MANIFOLD

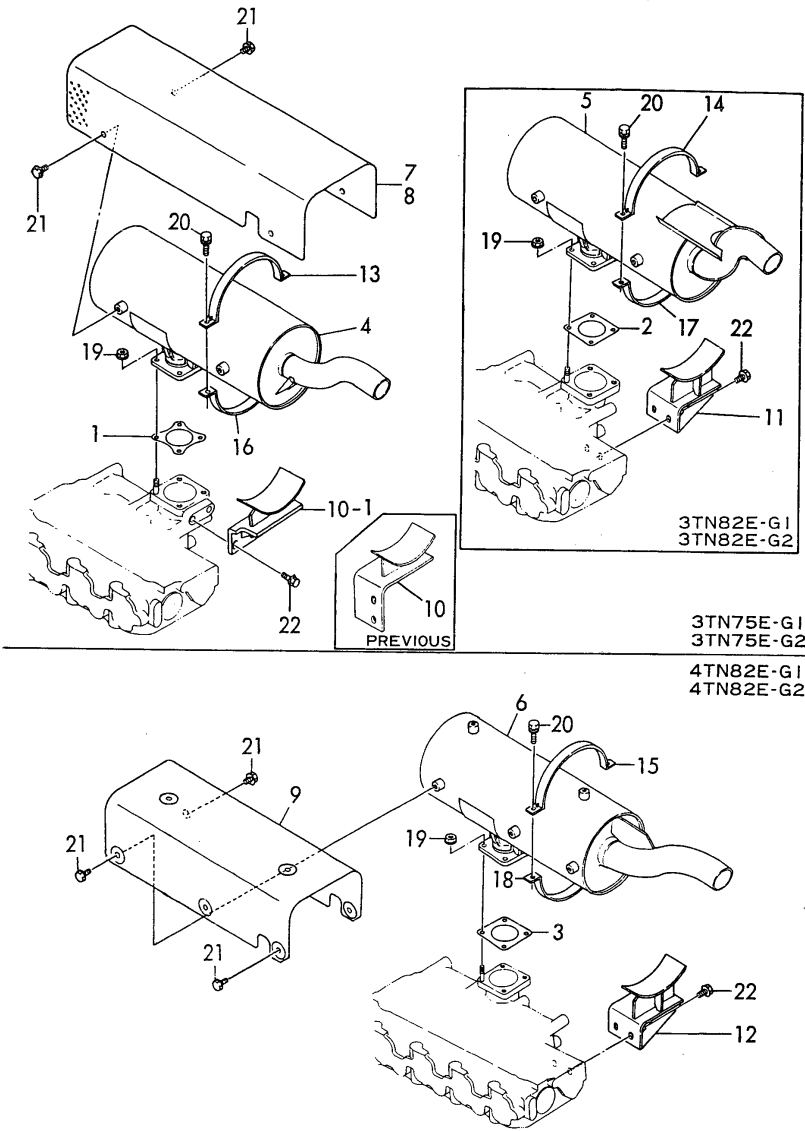
Fig.14 SUCTION MANIFOLD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171301-12701	MANIFOLD, AIR INTAKE	1	1						
2	1	129122-12100	MANIFOLD, AIR INTAKE			1	1				
3	1	129488-12100	MANIFOLD, AIR INTAKE					1	1		
4	1	119810-12110	GASKET, MANIFOLD	1	1						
4- 1	1	119810-12111	GASKET, MANIFOLD	1	1						N
		(A=E/# 34177) (B=E/# 34361)									
5	1	129150-12110	GASKET, MANIFOLD			1	1				
5- 1	1	129150-12111	GASKET, MANIFOLD			1	1				N
		(C=E/# 11546) (D=E/# 11677)									
6	1	129550-12110	GASKET, MANIFOLD					1	1		
6- 1	1	129550-12111	GASKET, MANIFOLD					1	1		N
				(E=E/# 07933)				(F=E/# 09553)			
7	1	26106-080252	BOLT, M8X 25 PLATED	4	4	4	4				
8	1	26106-080352	BOLT, M8X 35 PLATED					5	5		
9	1	129120-77500	HEATER	1	1	1	1	1			
9- 1	1	129120-77501	HEATER	1	1	1	1	1			N
		(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX)									
10	1	129120-77501	HEATER							1	
11	1	129150-77510	GASKET	1	1	1	1	1	1		
11- 1	1	129150-77511	GASKET	1	1	1	1	1	1		N
		(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677) (E=E/# 07933) (F=E/# 09553)									
12	1	26106-080352	BOLT, M8X 35 PLATED	4	4	4	4	4	4		
13	1	129100-77820	WIRE	1	1	1	1	1			Z
		(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX)									
14	1	26367-060002	NUT, M6	1	1	1	1	1			Z
		(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX)									

Fig.15. SILENCER

Fig.15 SILENCER

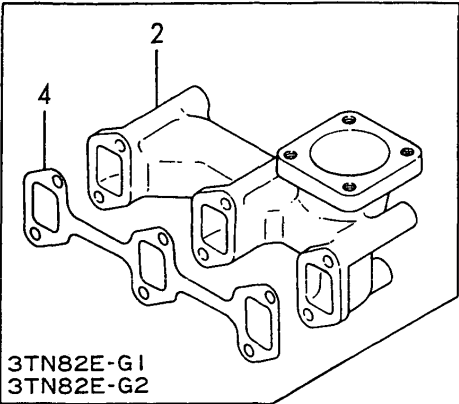


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121000-13200	GASKET, SILENCER	1	1						
1- 1	1	121000-13201	GASKET, SILENCER	1	1						N
		(A=E/# 34177) (B=E/# 34361)									
2	1	124701-11910	GASKET, SILENCER			1	1				
2- 1	1	124701-11911	GASKET, SILENCER			1	1				N
		(C=E/# 11546) (D=E/# 11677)									
3	1	129400-13200	GASKET, SILENCER					1	1		
3- 1	1	129400-13201	GASKET, SILENCER					1	1		N
		(E=E/# 07933) (F=E/# 09553)									
4	1	119888-13500	SILENCER	1	1						
5	1	129111-13500	SILENCER			1	1				
6	1	129411-13500	SILENCER					1	1		
7	1	119888-13600	COVER, SILENCER	1	1						
8	1	129111-13600	COVER, SILENCER			1	1				
9	1	129411-13600	COVER, SILENCER					1	1		
10	1	119888-13650	STAY, SILENCER	1	1						
10- 1	1	119888-13651	STAY, SILENCER	1	1						S 1
		(A=E/# 04800) (B=E/# 10740)									
11	1	129111-13650	STAY, SILENCER			1	1				
12	1	129411-13650	STAY, SILENCER					1	1		
13	1	119888-13670	BAND, SILENCER	1	1						
14	1	129111-13670	BAND, SILENCER			1	1				
15	1	129411-13670	BAND, SILENCER					1	1		
16	1	119888-13680	BAND, SILENCER	1	1						
17	1	129111-13680	BAND, SILENCER			1	1				
18	1	129411-13680	BAND, SILENCER					1	1		
19	1	194990-22050	NUT, M8	4	4	4	4	4	4		
20	1	26014-080302	BOLT, M8X 30	2	2	2	2	2	2		
21	1	26106-080102	BOLT, M8X 10 PLATED	4	4	4	4	4	4		
21- 1	1	26106-080122	BOLT, M8X 12 PLATED					8	8		N
		(E=E/# 00666) (F=E/# 00918)									
22	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2	2	2	2		

Remarks
(1) INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH FIG16. REF. NO.
1-1.

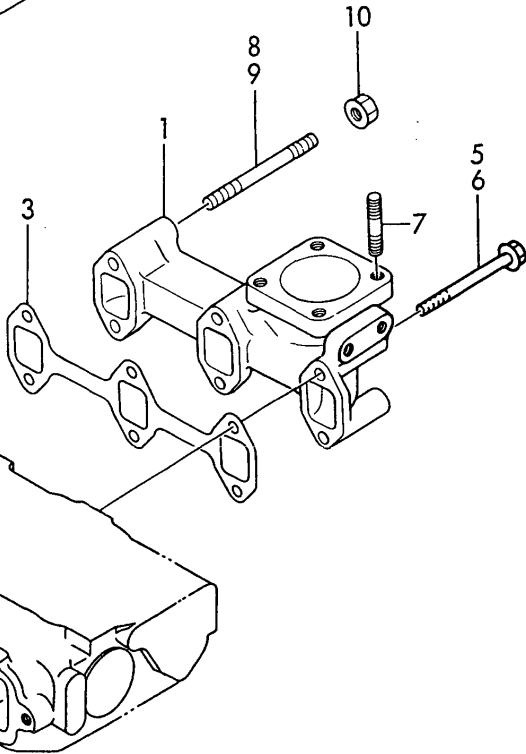
Fig.16. EXHAUST MANIFOLD (3TN75/82E)

Fig.16 EXHAUST MANIFOLD



3TN82E-G1
3TN82E-G2

3TN75E-G1
3TN75E-G2

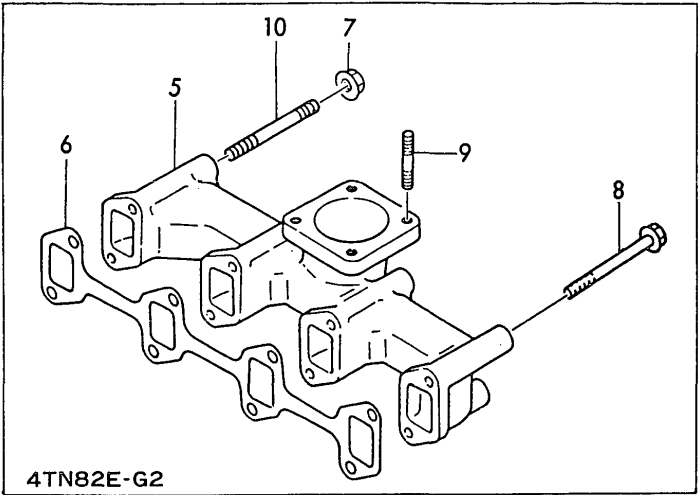


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119888-13100	MANIFOLD, EXHAUST	1	1						
1- 1	1	119888-13101	MANIFOLD, EXHAUST	1	1					S	1
		(A=E/# 04800)	(B=E/# 10740)								
2	1	171350-13100	MANIFOLD, EXHAUST			1	1				
3	1	119810-13110	GASKET	1	1						
4	1	129150-13110	GASKET			1	1				
5	1	26106-080602	BOLT, M8X 60 PLATED	4	4						
6	1	26106-080802	BOLT, M8X 80 PLATED			4	4				
7	1	26216-080222	STUD, M8X 22	4	4	4	4				
8	1	26216-080802	STUD, M8X 80			2	2				
9	1	26226-080602	STUD, M8X 60	2	2						
10	1	26366-080002	NUT, M8	2	2	2	2				
10- 1	1	194990-22050	NUT, M8	2	2	2	2			N	
		(A=E/XXX)	(B=E/XXX)	(C=E/XXX)	(D=E/XXX)						

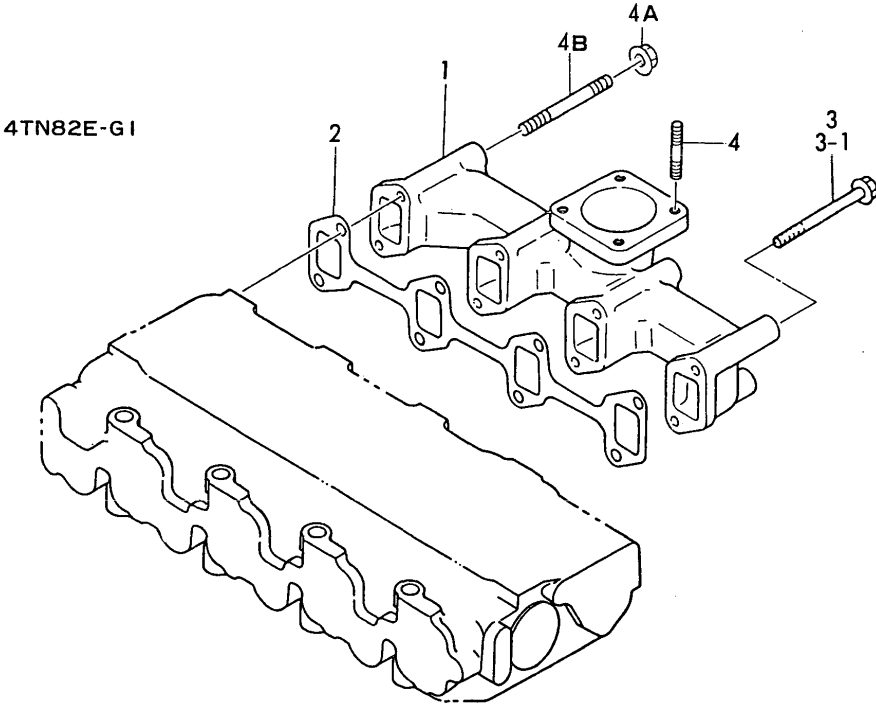
Remarks
(1) INTERCHANGEABLE BY SIMULTANEOUS
SIMULTANEOUS REPLACEMENT WITH
FIG15. REF. NO.1-1.

Fig.17. EXHAUST MANIFOLD (4TN82E)

Fig.17 EXHAUST MANIFOLD



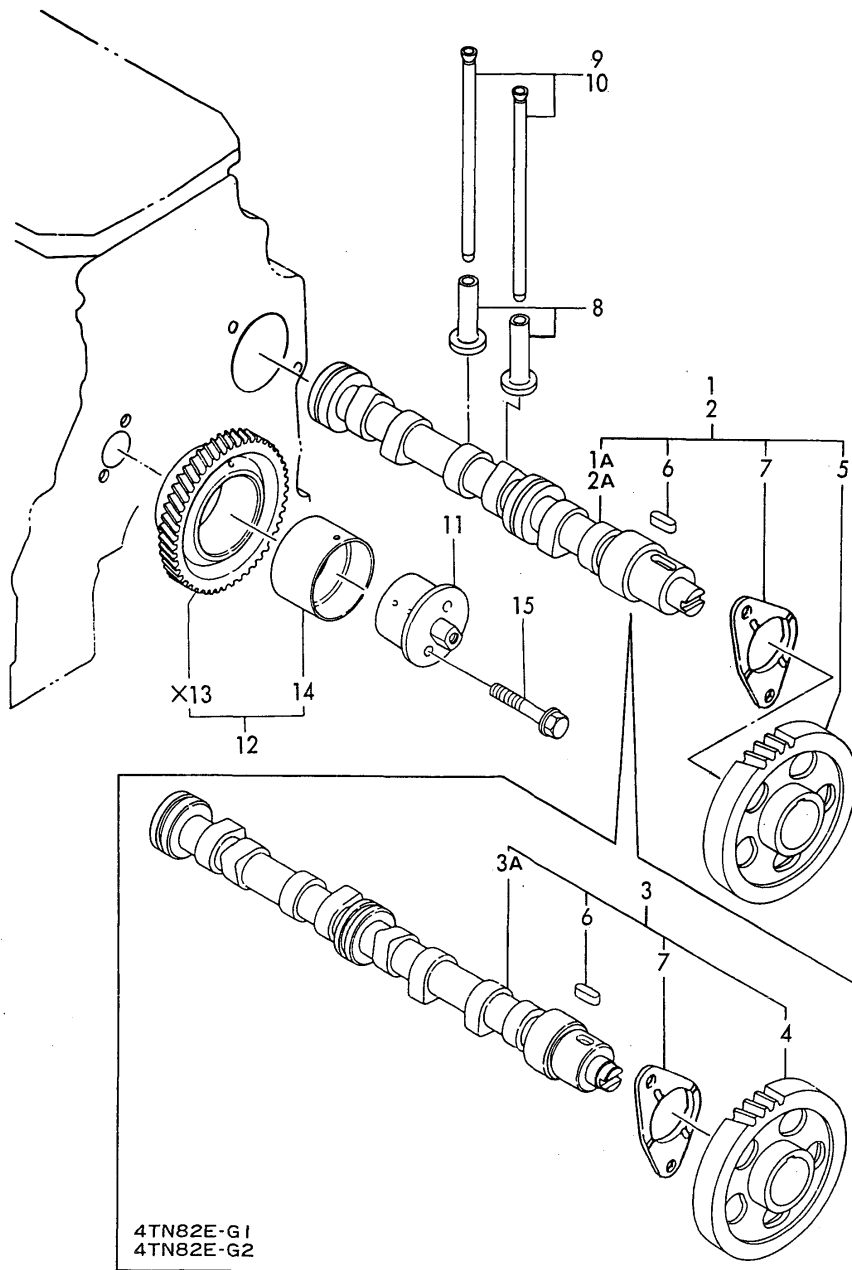
4TN82E-G2



4TN82E-G1

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129411-13100	MANIFOLD, EXHAUST					1			
2	1	129550-13110	GASKET					1			
3	1	26106-080802	BOLT, M8X 80 PLATED					8			
3-1	1	26106-080802	BOLT, M8X 80 PLATED					6		K	
4	1	26216-080222	STUD, M8X 22					4			
4A	1	194990-22050	NUT, M8					2		W	
4B	1	26216-080802	STUD, M8X 80					2		W	
5	1	129411-13100	MANIFOLD, EXHAUST							1	
6	1	129550-13110	GASKET							1	
7	1	194990-22050	NUT, M8							2	
8	1	26106-080802	BOLT, M8X 80 PLATED							6	
9	1	26216-080222	STUD, M8X 22							4	
10	1	26216-080802	STUD, M8X 80							2	

Fig. **18** CAMSHAFT & DRIVING GEAR



(D)=3TN82E-G2
(E)=4TN82E-G1
(F)=4TN82E-G2

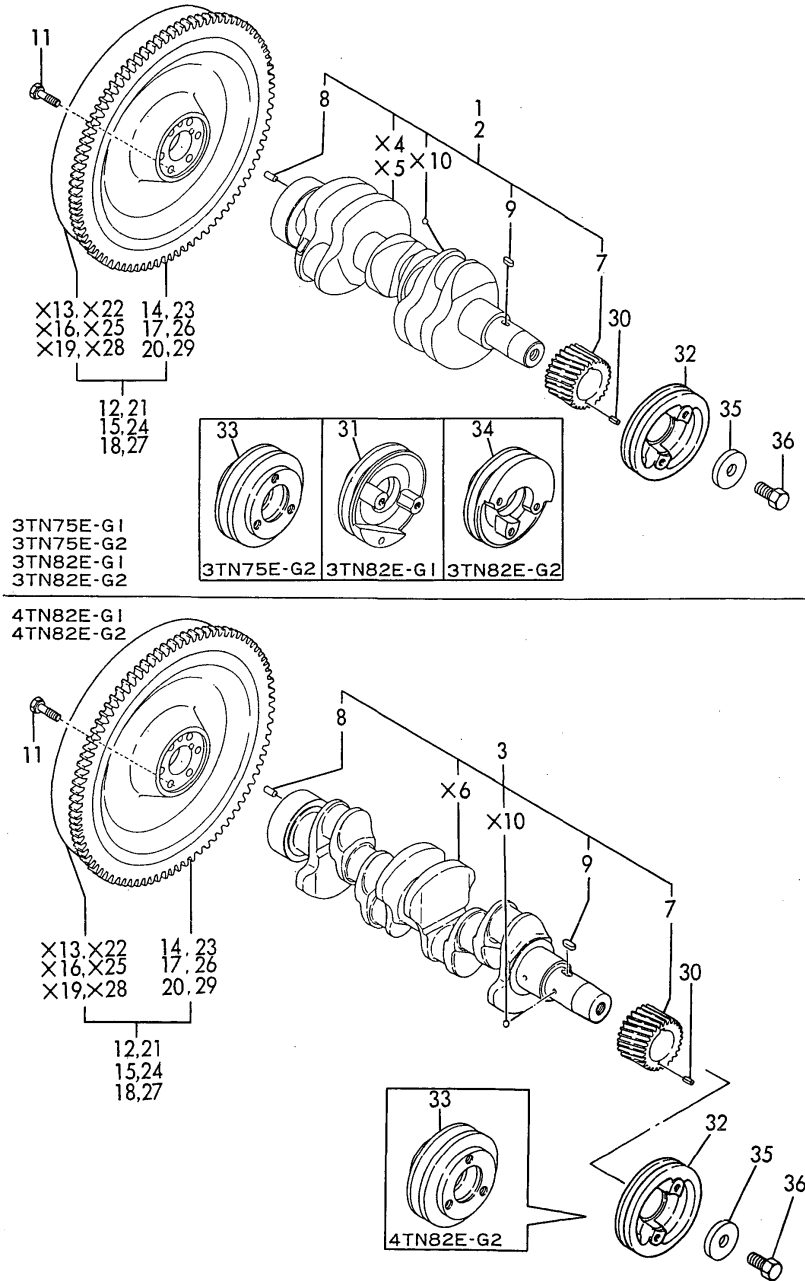
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-14580	CAMSHAFT ASSY	1	1						W
		(A=E/# 34177)	(B=E/# 33397)								
1A	2	119810-14011	CAMSHAFT	1	1						
2	1	129129-14580	CAMSHAFT ASSY			1	1				W
			(C=EXXX)	(D=EXXX)							
2A	2	129150-14011	CAMSHAFT			1	1				
3	1	729402-14580	CAMSHAFT ASSY					1	1		W
					(E=EXXX)			(F=EXXX)			
3A	2	129550-14010	CAMSHAFT					1	1		
3A-1	2	129550-14011	CAMSHAFT					1	1		N
					(E=EXXX)			(F=EXXX)			
4	2	129150-14100	GEAR, CAMSHAFT					1	1		
4- 1	2	129150-14101	GEAR, CAMSHAFT					1	1		N
					(E=EXXX)			(F=EXXX)			
5	2	129150-14101	GEAR, CAMSHAFT	1	1	1	1				
6	2	22512-070140	KEY, 7X 14	1	1	1	1	1	1		
7	2	129150-02450	BEARING, THRUST	1	1	1	1	1	1		
8	1	129150-14200	TAPPET	6	6	6	6	8	8		
9	1	119810-14400	ROD, PUSH	6	6						
10	1	129150-14400	ROD, PUSH L=178			6	6	8	8		
11	1	129100-25061	SHAFT, IDLE	1	1	1	1	1	1		
12	1	129150-25101	GEAR ASSY, IDLE	1	1	1	1	1	1		
15	1	26106-080452	BOLT, M8X 45 PLATED	2	2	2	2	2	2		

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.19. CRANKSHAFT & FLYWHEEL

(A)=3TN75E-G1
(B)=3TN75E-G2
(C)=3TN82E-G1
(D)=3TN82E-G2
(E)=4TN82E-G1
(F)=4TN82E-G2

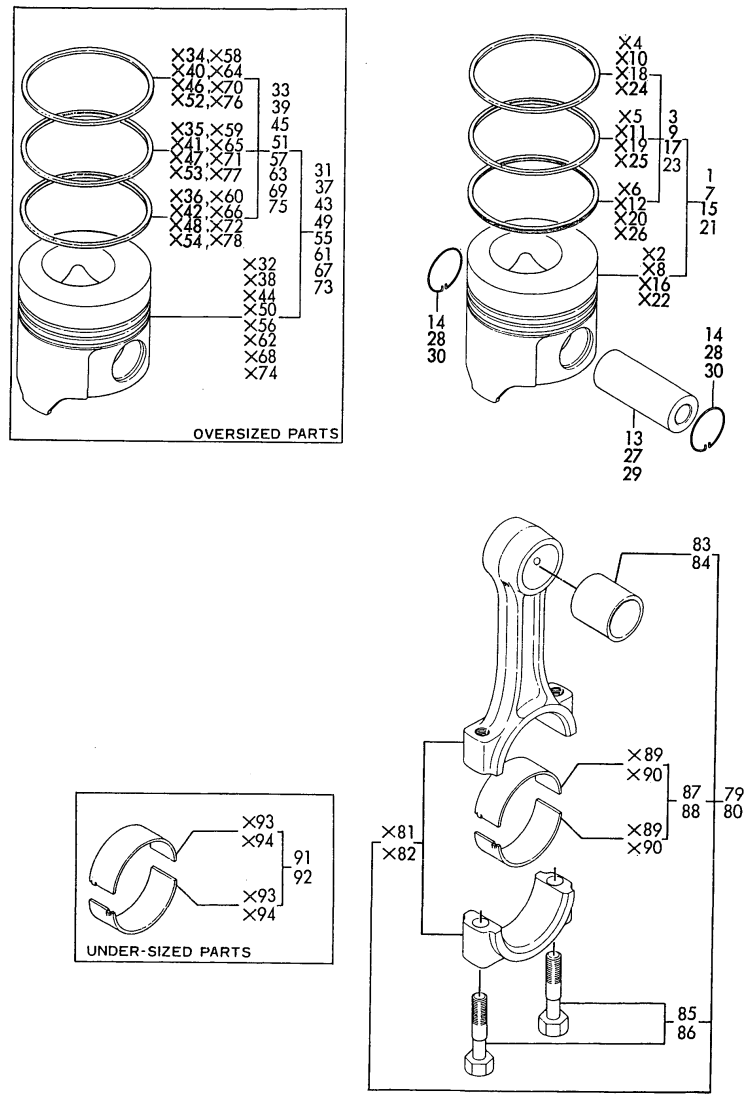
Fig. 19 CRANKSHAFT & FLYWHEEL



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-21700	CRANKSHAFT ASSY	1	1						
2	1	729150-21700	CRANKSHAFT ASSY			1	1				
2-1	1	729102-21700	CRANKSHAFT ASSY			1	1			N	
3	1	729400-21700	CRANKSHAFT ASSY								
7	2	129150-21200	GEAR, CRANKSHAFT	1	1	1	1	1	1		
8	2	22312-080160	PIN, PARALLEL M8X16	1	1	1	1	1	1		
8-1	2	129100-01580	PIN, M8X16	1	1	1	1	1	1	N	
		(A=E/# 12347) (B=E/# 10740) (C=E/# 03577) (D=E/# 03477) (E=E/# 01198) (F=E/# 01199)									
9	2	22512-070140	KEY, 7X 14	1	1	1	1	1	1		
11	1	121111-21501	BOLT, FLYWHEEL	6	6	6	6	6	6		
12	1	171301-21580	FLYWHEEL ASSY		1						
14	2	119865-21600	GEAR, RING		1						
15	1	171340-21580	FLYWHEEL ASSY				1				
17	2	119865-21600	GEAR, RING				1				
18	1	171420-21580	FLYWHEEL ASSY							1	
20	2	119865-21600	GEAR, RING							1	
21	1	171301-21590	FLYWHEEL ASSY	1							
23	2	124550-21600	GEAR, RING	1							
24	1	171340-21590	FLYWHEEL ASSY			1					
26	2	124550-21600	GEAR, RING			1					
27	1	171420-21590	FLYWHEEL ASSY							1	
29	2	124550-21600	GEAR, RING							1	
30	1	22351-040010	PIN, SPRING 4.0X10	1	1	1	1	1	1		
31	1	129150-21650	V-PULLEY			1					
32	1	129550-21650	V-PULLEY	1						1	
33	1	171301-21650	V-PULLEY		1						1
34	1	171340-21650	V-PULLEY				1				
35	1	129795-21661	WASHER	1	1	1	1	1	1		
36	1	121850-21680	BOLT	1	1	1	1	1	1		

Fig.20. PISTON & CONNECTING ROD

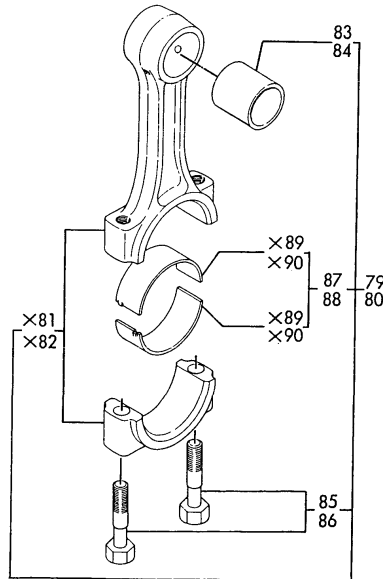
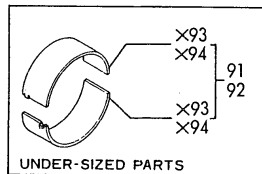
Fig.20 PISTON & CONNECTING ROD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-22080	PISTON ASSY	3							
3	2	719865-22500	RING SET, PISTON	3							
7	1	129402-22080	PISTON ASSY			3		4			
9	2	729151-22500	RING SET, PISTON			3		4			
9- 1	2	729402-22500	RING SET, PISTON (C=E/# 07186)			3		4		N	
						(E=E/# 03623)					
13	1	129150-22300	PIN, PISTON D26 L66			3		4			
14	1	121100-22400	CIRCLIP			6		8			
15	1	119810-22090	PISTON ASSY		3						
17	2	719888-22500	RING SET, PISTON		3						
17- 1	2	719810-22500	RING SET, PISTON (B=E/# 33397)		3					N	
21	1	129402-22090	PISTON ASSY				3		4		
23	2	729120-22500	RING SET, PISTON				3		4		
27	1	129150-22300	PIN, PISTON D26 L66				3		4		
28	1	121100-22400	CIRCLIP				6		8		
29	1	119810-22300	PIN, PISTON	3	3						
30	1	119810-22400	CIRCLIP	6	6						
31	1	719865-22820	PISTON ASSY, 0.25 OS	3							1
31- 1	1	719810-22900	PISTON ASSY, 0.25 OS (A=E/XXX)	3						S	1
33	2	719865-22540	RING SET, 0.25 OS	3							1
33- 1	2	719810-22950	RING SET, 0.25 OS (A=E/XXX)	3						S	1
37	1	729402-22820	PISTON ASSY, 0.25 OS			3		4			1
37- 1	1	729402-22900	PISTON ASSY, 0.25 OS (C=E/XXX)			3		4		S	1
						(E=E/XXX)					
39	2	729156-22540	RING SET, 0.25 OS			3		4			1
39- 1	2	729156-22950	RING SET, 0.25 OS (C=E/# 07186)			3		4		N	1
						(E=E/# 03623)					
43	1	719810-22820	PISTON ASSY, 0.25 OS		3						1
43- 1	1	719810-22910	PISTON ASSY, 0.25 OS (B=E/XXX)		3					S	1
45	2	719810-22540	RING SET, 0.25 OS		3						1
45- 1	2	719810-22960	RING SET, 0.25 OS (B=E/# 33397)		3					N	1
49	1	729120-22820	PISTON ASSY, 0.25 OS				3		4		1
49- 1	1	729402-22910	PISTON ASSY, 0.25 OS (D=E/XXX)				3		4	S	1
							(F=E/XXX)				
51	2	729120-22540	RING SET, 0.25 OS				3		4		1
51- 1	2	729120-22950	RING SET, 0.25 OS (D=E/XXX)				3		4	S	1
							(F=E/XXX)				
55	1	119810-22920	PISTON ASSY, 0.50 OS		3						2
57	2	719885-22550	RING SET, 0.50 OS		3						2
61	1	129402-22920	PISTON ASSY, 0.50 OS			3		4			2
63	2	129402-22970	RING SET, 0.50 OS				3		4		2
67	1	119810-22920	PISTON ASSY, 0.50 OS			3					2
69	2	719885-22550	RING SET, 0.50 OS			3					2
73	1	129402-22920	PISTON ASSY, 0.50 OS				3		4		2
75	2	129402-22970	RING SET, 0.50 OS				3		4		2
79	1	719810-23700	ROD ASSY, CONNECTING		3	3					

Remarks
(1) OVER-SIZED(O.S.=0.25)PART.
(2) OVER-SIZED(O.S.=0.5) PART.
(3) REPAIR PARTS.
(4) UNDER-SIZE(U.S.=0.25) PART.

Fig. 20 PISTON & CONNECTING ROD

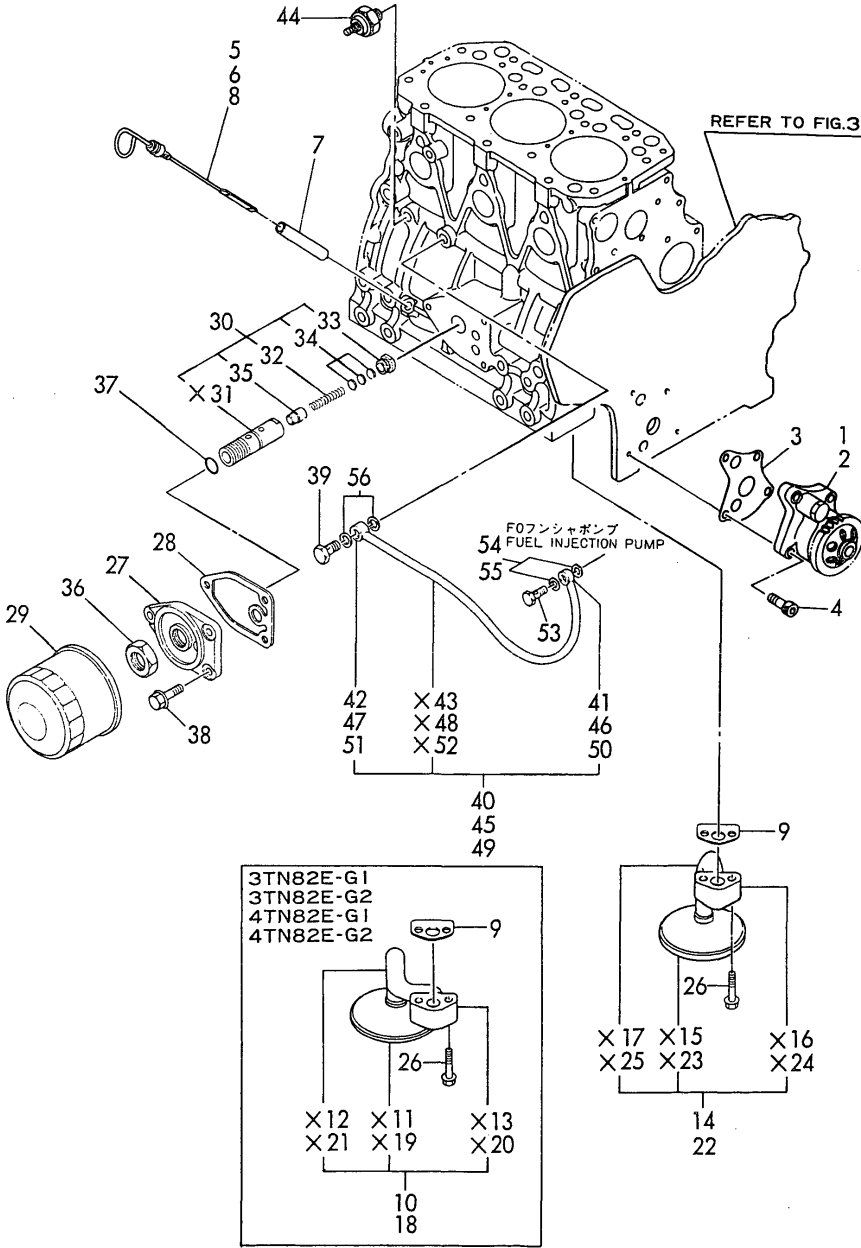
[illegible]

Remarks
(1) OVER-SIZED(O.S.=0.25)PART.
(2) OVER-SIZED(O.S.=0.5) PART.
(3) REPAIR PARTS.
(4) UNDER-SIZE(U.S.=0.25) PART.

Fig.21. LUB.OIL SYSTEM

(A)=3TN75E-G1
(B)=3TN75E-G2
(C)=3TN82E-G1
(D)=3TN82E-G2
(E)=4TN82E-G1
(F)=4TN82E-G2

Fig.21 LUB. OIL SYSTEM



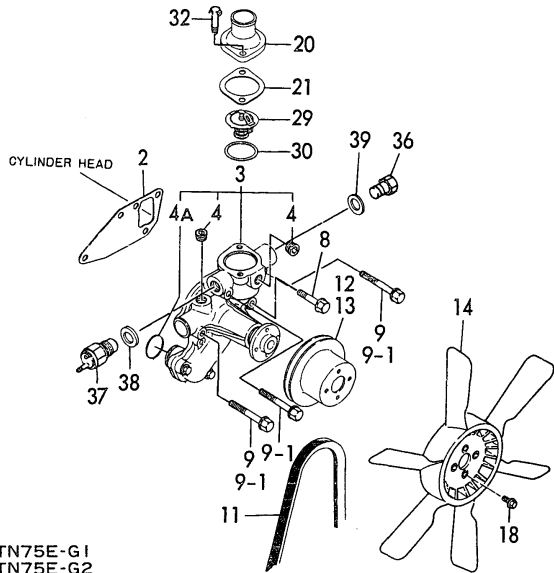
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-32000	PUMP ASSY, OIL	1	1						
2	1	129150-32000	PUMP ASSY, OIL			1	1	1	1		
3	1	129150-32020	GASKET, PUMP	1	1	1	1	1	1		
4	1	26450-060252	BOLT, M6X 25	4	4	4	4	4	4		
5	1	119600-34800	DIPSTICK, OIL	1	1						
6	1	171420-34800	DIPSTICK, OIL			1		1			
7	1	121520-34810	GUIDE, DIPSTICK	1	1	1	1	1	1		
8	1	171420-34820	DIPSTICK, OIL					1			
9	1	129150-35040	GASKET	1	1	1	1	1	1		
9-1	1	129150-35041	GASKET	1	1	1	1	1	1		N
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677) (E=E/# 07933) (F=E/# 09553)											
10	1	129150-35091	PIPE ASSY, OIL INLET			1		1			
14	1	119810-35300	PIPE ASSY, OIL INLET		1						
18	1	129100-35300	PIPE ASSY, OIL INLET				1		1		
18-1A	1	129100-35301	PIPE ASSY, OIL INLET				1				N
(D=E/# 10704)											
18-1B	1	129436-35090	PIPE ASSY, OIL INLET						1		N
									(F=E/# 06975)		
22	1	119810-35400	PIPE ASSY, OIL INLET	1							
26	1	26116-080352	BOLT, M8X 35 PLATED	2	2	2	2	2	2		
26-1	1	26106-080352	BOLT, M8X 35 PLATED	2	2	2	2	2	2		N
(A=E/# 08549) (B=E/# 10740) (C=E/# 01961) (D=E/# 02983) (E=E/# 00913) (F=E/# 00918)											
27	1	129150-35101	BRACKET, STRAINER	1	1	1	1	1	1		
28	1	129150-35110	GASKET	1	1	1	1	1	1		
28-1	1	129150-35111	GASKET	1	1	1	1	1	1		N
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677) (E=E/# 07933) (F=E/# 09553)											
29	1	129150-35150	FILTER 90X80L	1	1	1	1	1	1		
30	1	119865-35300	VALVE ASSY, CONTROL	1	1	1	1	1	1		
32	2	119865-35320	SPRING	1	1	1	1	1	1		
33	2	119865-35330	RETAINER	1	1	1	1	1	1		
34	2	129150-35340	SHIM SET	1	1	1	1	1	1		
35	2	119865-35350	VALVE, CONTROL	1	1	1	1	1	1		
36	1	129150-35350	NUT	1	1	1	1	1	1		
37	1	24311-000160	O-RING, 1AP16.0	1	1	1	1	1	1		
38	1	26106-080202	BOLT, M8X 20 PLATED	3	3	3	3	3	3		
39	1	124160-39140	BOLT, PIPE JOINT M10	1	1	1	1	1	1		
40	1	119810-39200	PIPE ASSY, OIL	1	1						
41	2	129150-39150	JOINT	1	1						
42	2	129150-39180	JOINT	1	1						
44	1	124160-39450	SWITCH, 0.5KG	1	1	1	1	1	1		
45	1	129150-39450	PIPE ASSY, OIL			1	1				
46	2	129150-39150	JOINT			1	1				
47	2	129150-39180	JOINT			1	1				
49	1	129550-39450	PIPE ASSY, OIL					1	1		
50	2	129150-39150	JOINT					1	1		
51	2	129150-39180	JOINT					1	1		
53	1	124550-59820	BOLT, PIPE JOINT M8	1	1	1	1	1	1		
54	1	23414-080000	GASKET, 8X1.0	2	2	2	2				
54-1	1	43400-500410	SEAL WASHER 8S	2	2						N
(A=E/# 39037) (B=E/# 39137)											
55	1	43400-500410	SEAL WASHER 8S					2	2		

Fig. 21 LUB. OIL SYSTEM

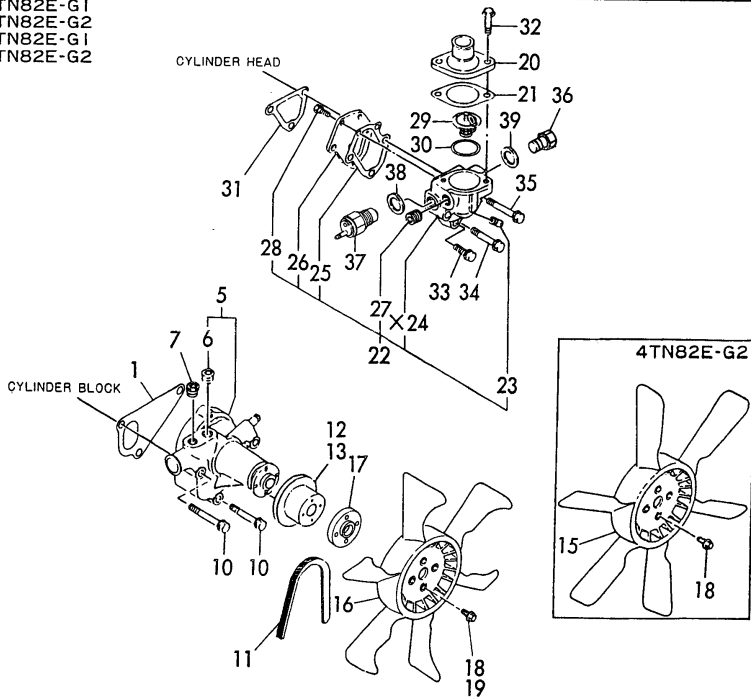


Fig.22. COOLING WATER SYSTEM

Fig.22 COOLING WATER SYSTEM



3TN75E-G1
3TN75E-G2
3TN82E-G1
3TN82E-G2
4TN82E-G1
4TN82E-G2

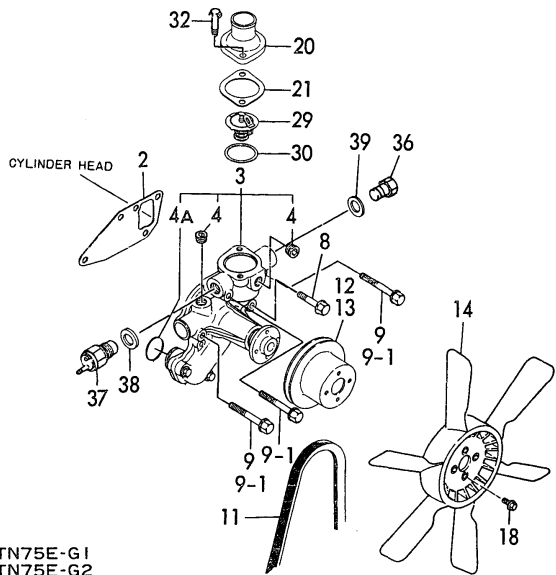


× MARK PARTS: NOT SOLD SEPARATELY.

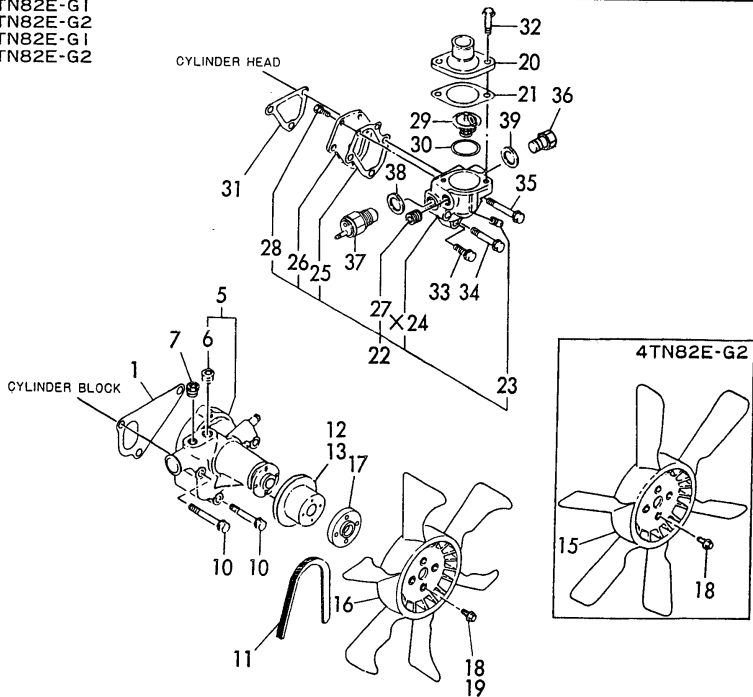
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-42020	GASKET, WATER PUMP			1	1	1	1		
2	1	129150-42020	GASKET, WATER PUMP	1	1						
3	1	119810-42000	PUMP ASSY, WATER	1	1						
3- 1	1	119810-42001	PUMP ASSY, WATER	1	1						N
(A=E/# 34177) (B=E/# 34361)											
4	2	23871-030000	PLUG, R03	2	2						
4A	2	129150-42320	O-RING	1	1						W
(A=FROM 1ST) (B=FROM 1ST)											
5	1	129100-42000	PUMP ASSY, WATER			1	1	1	1		
5- 1	1	129100-42002	PUMP ASSY, WATER			1	1	1	1		N
(C=E/# 11546) (D=E/# 11677) (E=E/# 07933) (F=E/# 09553)											
6	2	124250-11880	PLUG			1	1	1	1		
6- 1	2	23871-030000	PLUG, R03			1	1	1	1		N
(C=E/XXX) (D=E/XXX) (E=E/XXX) (F=E/XXX)											
7	1	121850-11860	PLUG, PT1/4			1	1	1	1		
8	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
9	1	26106-080552	BOLT, M8X 55 PLATED	2	2						
9- 1	1	26106-080552	BOLT, M8X 55 PLATED	3	3						K
(A=E/XXX) (B=E/XXX)											
10	1	26106-080602	BOLT, M8X 60 PLATED			3	3	3	3		
11	1	124001-42290	V-BELT, 36	1	1	1	1	1	1		
11-1A	1	124732-42290	V-BELT, AX37	1	1						S
(A=E/# 05228) (B=E/# 10740)											
11-1B	1	121492-42290	V-BELT, A38			1	1	1	1		S
(C=E/# 00621) (D=E/# 00756) (E=E/# 00254) (F=E/# 00570)											
12	1	129155-42350	V-PULLEY	1	1			1			
13	1	129403-42380	V-PULLEY, D=110			1			1		
14	1	124700-44740	FAN, COOLING 5X310	1	1						
15	1	129403-44740	FAN, COOLING 370							1	
16	1	171340-44740	FAN, COOLING D335XNF			1	1	1			
16- 1	1	129403-44740	FAN, COOLING 370						1		N
(E=E/XXX)											
17	1	124574-44761	SPACER, FAN			1	1	1			
17- 1	1	124574-44761	SPACER, FAN					1			Z
(E=E/XXX)											
18	1	26106-060122	BOLT, M6X 12 PLATED	4	4				4		
18- 1	1	26014-060162	BOLT, M6X 16	4	4				4		N
(A=E/# 04449) (B=E/# 10740) (F=E/# 00570)											
19	1	26106-060202	BOLT, M6X 20 PLATED			4	4	4			
19-1A	1	26014-060252	BOLT, M6X 25			4	4				N
(C=E/# 00327) (D=E/# 00402)											
19-1B	1	26014-060162	BOLT, M6X 16					4			N
(E=E/# 00224)											
20	1	129350-49530	COVER, THERMOSTAT	1	1	1	1	1	1		
21	1	129795-49550	GASKET	1	1	1	1	1	1		
21- 1	1	129795-49551	GASKET	1	1	1	1	1	1		N
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677) (E=E/# 07933) (F=E/# 09553)											
22	1	129100-49800	CASE ASSY,THERMOSTAT			1	1	1	1		
23	2	124770-11770	JOINT, PIPE PT1/8			1	1	1	1		
25	2	129100-49820	GASKET			1	1	1	1		
26	2	129100-49830	COVER, THERMOSTAT			1	1	1	1		

Fig.22. COOLING WATER SYSTEM

Fig.22 COOLING WATER SYSTEM



3TN75E-G1
3TN75E-G2
3TN82E-G1
3TN82E-G2
4TN82E-G1
4TN82E-G2

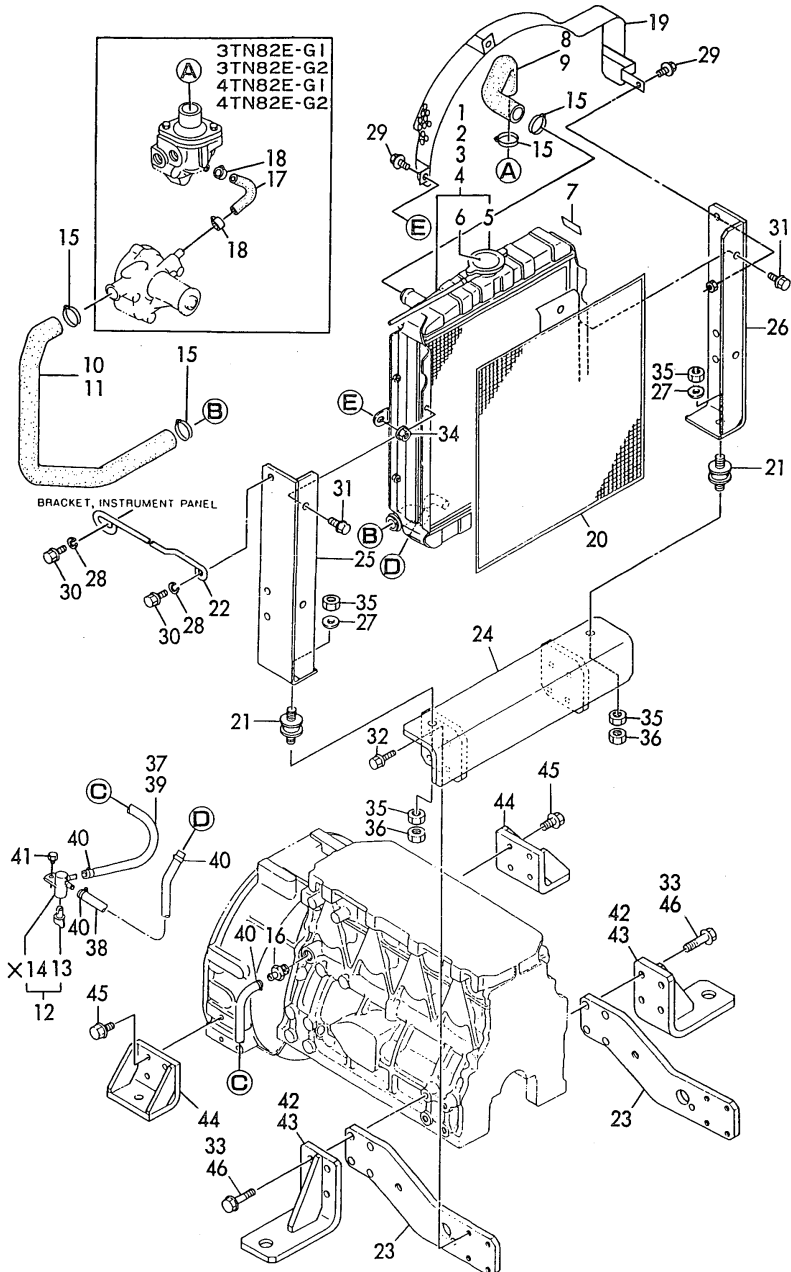


× MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
27	2	23871-030000	PLUG, R03			1	1	1	1		
28	2	26116-060162	BOLT, M6X 16 PLATED			2	2	2	2		
29	1	129155-49800	THERMOSTAT, 71	1	1	1	1	1	1		
30	1	129150-49810	GASKET, THERMOSTAT	1	1	1	1	1	1		
30- 1	1	129150-49811	GASKET, THERMOSTAT	1	1	1	1	1	1	N	
(A)=E/# 34177) (B)=E/# 34361) (C)=E/# 11546) (D)=E/# 11677) (E)=E/# 07933) (F)=E/# 09553)											
31	1	129100-49840	GASKET			1	1	1	1		
32	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2	2	2	2		
33	1	26106-080252	BOLT, M8X 25 PLATED			1	1	1	1		
34	1	26106-080502	BOLT, M8X 50 PLATED			1	1	1	1		
35	1	26106-080602	BOLT, M8X 60 PLATED			1	1	1	1		
36	1	121450-42450	PLUG, M16	1	1	1	1	1	1		
37	1	121250-44901	SWITCH, 110	1	1	1	1	1	1		
38	1	124465-44950	GASKET, 16	1	1	1	1	1	1		
39	1	124465-44950	GASKET, 16	1	1	1	1	1	1		

Fig.23. RADIATOR & COOLING WATER LINE

Fig. **23** RADIATOR & COOLING WATER LINE

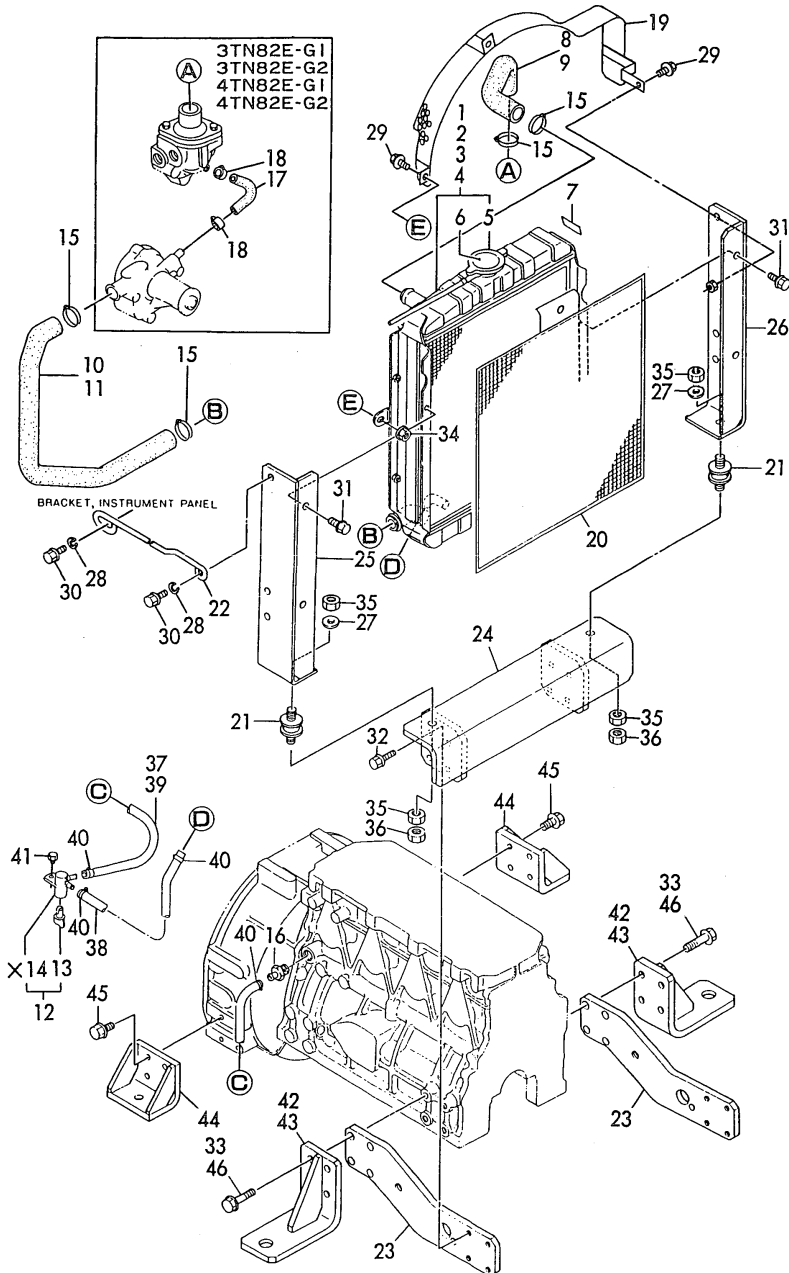


× MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171301-44500	RADIATOR	1	1						
2	1	171420-44500	RADIATOR			1		1			
2- 1	1	171460-44500	RADIATOR					1			S
				(E=E/# 07633)							
2- 2	1	171440-44500	RADIATOR			1					S
				(C=E/# 11859)							
3	1	171440-44500	RADIATOR				1				
3- 1	1	171420-44500	RADIATOR				1				S
				(D=E/# 11848)							
3- 2	1	171440-44500	RADIATOR				1				S
				(D=E/XX)							
4	1	171460-44500	RADIATOR							1	
5	2	123682-44210	CAP, RADIATOR	1	1	1	1	1	1		
6	1	124764-44800	LABEL, RADIATOR	1	1	1	1	1	1		
6- 1	1	124764-44800	LABEL, RADIATOR				1		1		Z
				(D=E/XX)							
7	1	124764-44920	LABEL, ANTI-FREEZING	1	1	1	1	1	1		
7- 1	1	124764-44920	LABEL, ANTI-FREEZING				1		1		Z
				(D=E/XX)							
8	1	171301-49010	PIPE, WATER	1	1	1	1	1			
8- 1	1	171420-49010	PIPE, WATER					1			N
				(E=E/XX)							
9	1	171420-49010	PIPE, WATER							1	
10	1	171301-49020	PIPE, WATER	1	1	1	1	1			
10- 1	1	171420-49020	PIPE, WATER					1			N
				(E=E/XX)							
11	1	171420-49020	PIPE, WATER							1	
12	1	129150-49100	COCK ASSY, 3-WAY	1	1	1	1	1	1		
13	2	129150-49080	COCK, DRAIN	1	1	1	1	1	1		
15	1	23010-038000	CLAMP, 38	4	4	4	4	4	4		
16	1	121550-49111	JOINT, PT1/4	1	1	1	1	1	1		
17	1	129100-49050	PIPE, WATER			1	1	1	1		
18	1	23000-016000	CLAMP, 16			2	2	2	2		
19A	1	119888-44560	PROTECTOR, FAN	1							W
				(A=E/# 34177)							
19B	1	129188-44560	PROTECTOR, FAN			1					W
				(C=E/# 11322)							
19C	1	129411-44560	PROTECTOR, FAN					1			W
				(D=E/# 07633)							
20A	1	121150-44580	SCREEN, 345X345	1							
				(A=E/# 34177)							
20B	1	121150-44581	SCREEN, RADIATOR			1					W
				(C=E/# 11322)							
20C	1	129488-44580	SCREEN, RADIATOR					1			W
				(E=E/# 07633)							
21	1	121400-44650	ABSORBER	2	2			2			W
				(A=E/# 34177)							
				(C=E/# 11322)							
22A	1	119888-44940	RETAINER, RADIATOR	1							W
				(A=E/# 34177)							
22B	1	129188-44940	RETAINER, RADIATOR			1					W
				(C=E/# 11322)							

Fig.23. RADIATOR & COOLING WATER LINE

Fig. **23** RADIATOR & COOLING WATER LINE



× MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
22C	1	129488-44940	RETAINER, RADIATOR					1		W	
23A	1	119888-44950	BRACKET	(E=E/# 07633)						W	
23B	1	129188-44950	BRACKET	(A=E/# 34177)		2		2		W	
24A	1	119888-44960	BRACKET			(C=E/# 11322)				W	
24B	1	129188-44960	BRACKET, RADIATOR				1			W	
24C	1	129488-44960	BRACKET, RADIATOR					1		W	
25A	1	119888-44970	SUPPORT, A	(A=E/# 34177)	1					W	
25B	1	129188-44970	SUPPORT, A				1			W	
25C	1	129488-44970	SUPPORT, A					1		W	
26A	1	119888-44980	SUPPORT, B	(A=E/# 34177)	1					W	
26B	1	129188-44980	SUPPORT, B				1			W	
26C	1	129488-44980	SUPPORT, B					1		W	
27	1	22137-080000	WASHER, 8	(A=E/# 34177)	2	2		2		W	
28	1	22217-100000	WASHER, SPRING 10		2	2		2		W	
29	1	26106-080122	BOLT, M8X 12 PLATED	(A=E/# 34177)	3	3		3		W	
30	1	26106-080162	BOLT, M8X 16 PLATED	(A=E/# 34177)	2	2		2		W	
31	1	26106-080202	BOLT, M8X 20 PLATED	(A=E/# 34177)	4	4		4		W	
32	1	26106-080252	BOLT, M8X 25 PLATED	(A=E/# 34177)	8	8		8		W	
33	1	26106-100302	BOLT, M10X 30 PLATED	(A=E/# 34177)		8		8		W	
34	1	26366-080002	NUT, M8	(A=E/# 34177)	2	3		3		W	
35	1	26716-100002	NUT, M10	(A=E/# 34177)	4	4		4		W	
36	1	26756-100002	NUT, LOCK M10	(A=E/# 34177)	2	2		2		W	
37	1	121456-49160	PIPE, WATER DRAIN					1		W	
38	1	121520-49160	PIPE, WATER DRAIN	(A=E/XXX)	1	1		1		W	
39	1	121737-49160	PIPE, WATER DRAIN	(A=E/XXX)	1	1				W	
40	1	124766-59050	CLIP, HOSE 12		4	4		4		W	

3TN82E-G1
3TN82E-G2
4TN82E-G1
4TN82E-G2

BRACKET, INSTRUMENT PANEL

X14 13
12

23

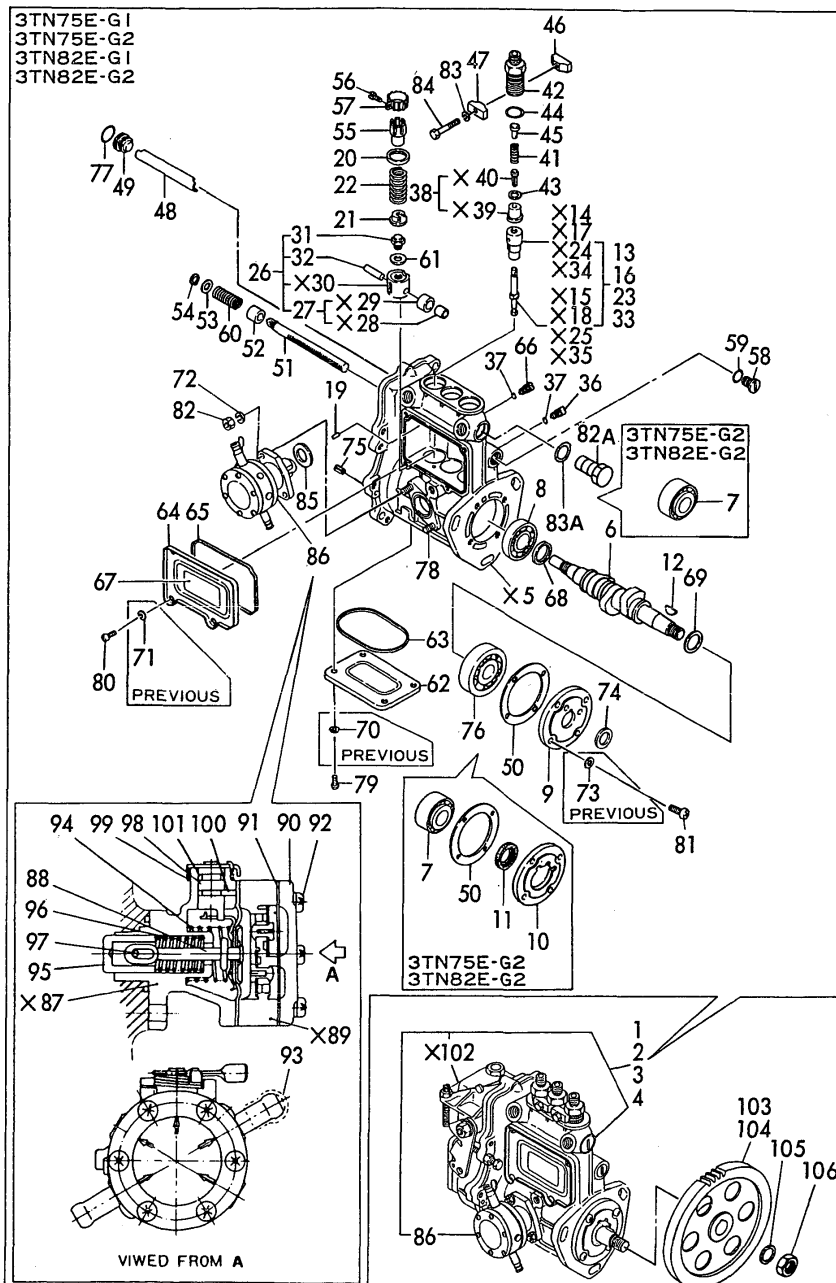
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Fig. **24** FUEL INJECTION PUMP



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

Fig. **24** FUEL INJECTION PUMP

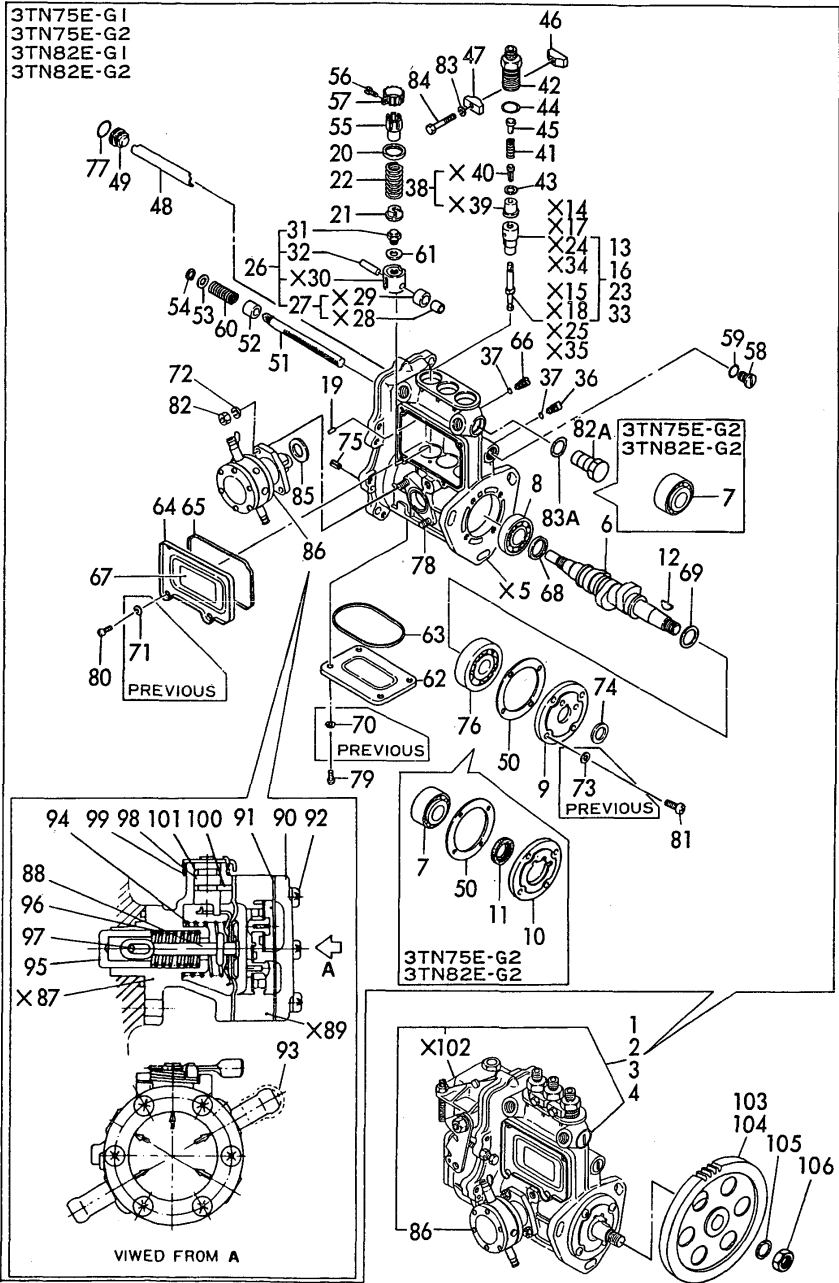


				(A)=3TN75E-G1 (B)=3TN75E-G2 (C)=3TN82E-G1					(D)=3TN82E-G2 (E)=4TN82E-G1 (F)=4TN82E-G2				
No.	Lev.	Parts No.	Description	Q'ty						I	R		
				(A)	(B)	(C)	(D)	(E)	(F)				
60	2	129155-51591	SPRING, RACK	1	1	1	1						
61	2	129155-51600	SHIM SET, ADJUSTING	1	1	1	1						
61- 1	2	129155-51600	SHIM SET, ADJUSTING	3	3	3	3				K		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
62	2	129155-51700	COVER	1	1	1	1						
63	2	129155-51710	GASKET	1	1	1	1						
64	2	129155-51750	COVER	1	1	1	1						
65	2	129155-51760	GASKET	1	1	1	1						
66	2	129155-51790	STOOPER, RACK	1	1	1	1						
67	2	129156-51910	LABEL, CAUTION	1	1	1	1						
68	2	129155-51930	SPACER, T=3.25	1		1							
69	2	129155-51940	SPACER, T=1.5	1		1							
70	2	22217-050000	WASHER, SPRING 5	4	4	4	4				Z		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
71	2	22217-050000	WASHER, SPRING 5	4	4	4	4				Z		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
72	2	22217-060000	WASHER, SPRING 6	2	2	2	2						
73	2	22287-060000	WASHER 6	4	4	4	4				Z		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
74	2	22287-120000	WASHER, 12	1	1	1	1				Z		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
75	2	22351-050010	PIN, SPRING 5.0X10	2	2	2	2						
76	2	24101-063033	BEARING, BALL 6303P6	1		1							
76- 1	2	24101-063034	BEARING, BALL 6303	1		1					N		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
77	2	24341-000160	O-RING, 1AS16.0	2	2	2	2						
77- 1	2	24341-000160	O-RING, 1AS16.0	1	1	1	1				K		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
78	2	26216-060142	STUD, M6X 14	2	2	2	2						
78- 1	2	129155-51020	STUD	2	2	2	2				N		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
79	2	26557-050102	SCREW, M5X10	4	4	4	4						
		(C=EXXX)	(D=EXXX)										
79- 1	2	26022-050102	SCREW, M5X10	4	4	4	4				N		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
80	2	26557-050102	SCREW, M5X10	4	4	4	4						
81	2	26557-060162	SCREW M 6X 16	4	4	4	4						
81- 1	2	26022-060162	SCREW, M6X16	4	4	4	4				N		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
82	2	26716-060002	NUT, M6	2	2	2	2						
82A	2	129155-51420	PLUG, M16	1	1	1	1				W		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
83	2	27217-050000	SPRING WASHER 5	2	2	2	2				Z		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
83A	2	43400-500490	SEAL WASHER 16S	1	1	1	1				W		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
84	2	26116-050309	BOLT M 5X 30 PLATED	2	2	2	2						
84- 1	2	26116-050302	BOLT, M5X 30 PLATED	2	2	2	2				N		
	(A=EXXX)	(B=EXXX)	(C=EXXX)	(D=EXXX)									
85	2	129155-52050	GASKET	1	1	1	1						
86	2	129100-52100	PUMP ASSY, FUEL FEED	1	1	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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Fig.24. FUEL INJECTION PUMP(3TN75/82E)

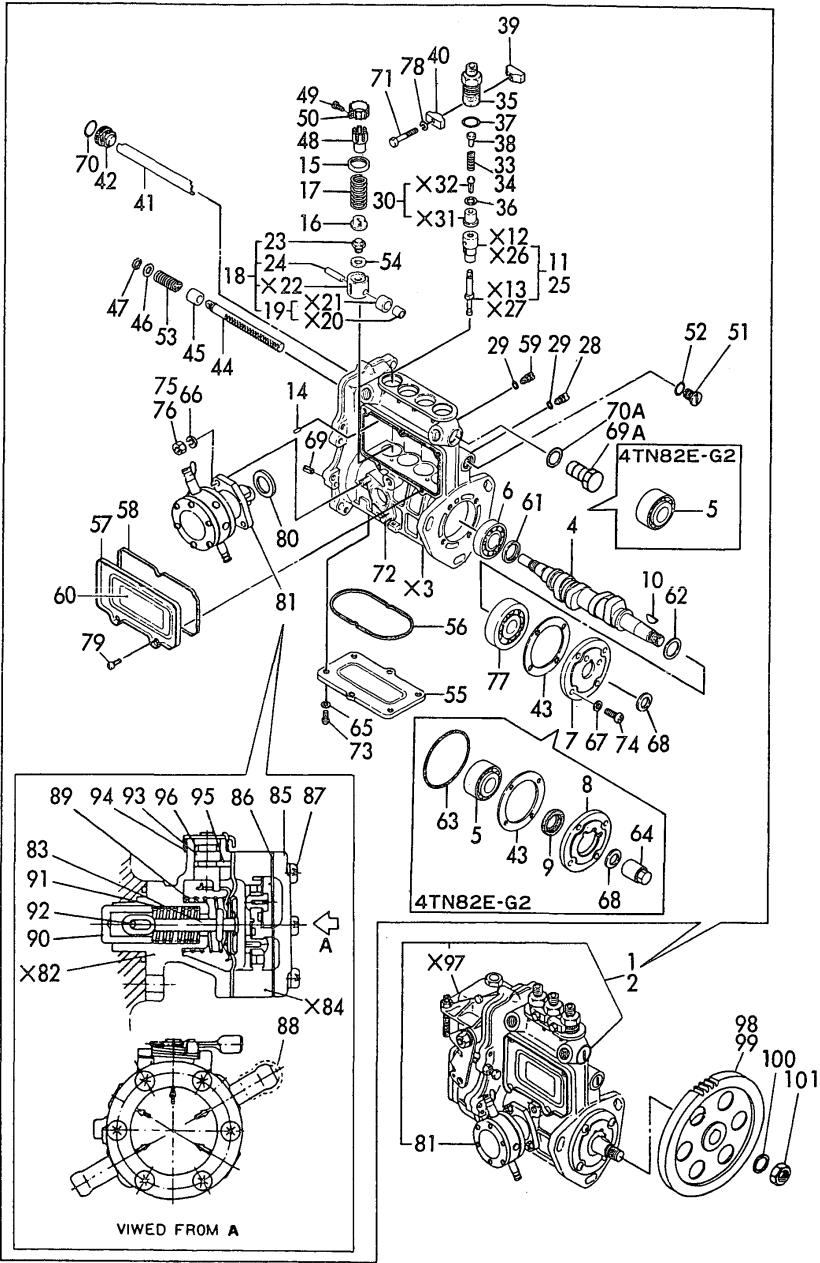
Fig. **24** FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
88	3	129158-52020	DIAPHRAGM	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
90	3	129158-52060	COVER	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
91	3	129158-52070	GASKET	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
92	3	129158-52080	SCREW	6	1	6	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
93	3	129158-52090	CAP	2	1	2	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
94	3	129158-52160	SPRING	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
95	3	129158-52250	TAPPET	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
96	3	129158-52260	SPRING	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
97	3	129158-52270	PIN	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
98	3	129158-52350	LEVER	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
99	3	129158-52360	SPRING, RETURN	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
100	3	129158-52370	PIN	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
101	3	129158-52380	O-RING	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)									
103	1	129100-25900	GEAR, PUMP		1		1				
104	1	129150-25900	GEAR, PUMP	1			1				
105	1	22217-120000	WASHER, SPRING 12	1	1	1	1				
106	1	26716-120002	NUT, M12	1	1	1	1				

Fig.25. FUEL INJECTION PUMP(4TN82E)

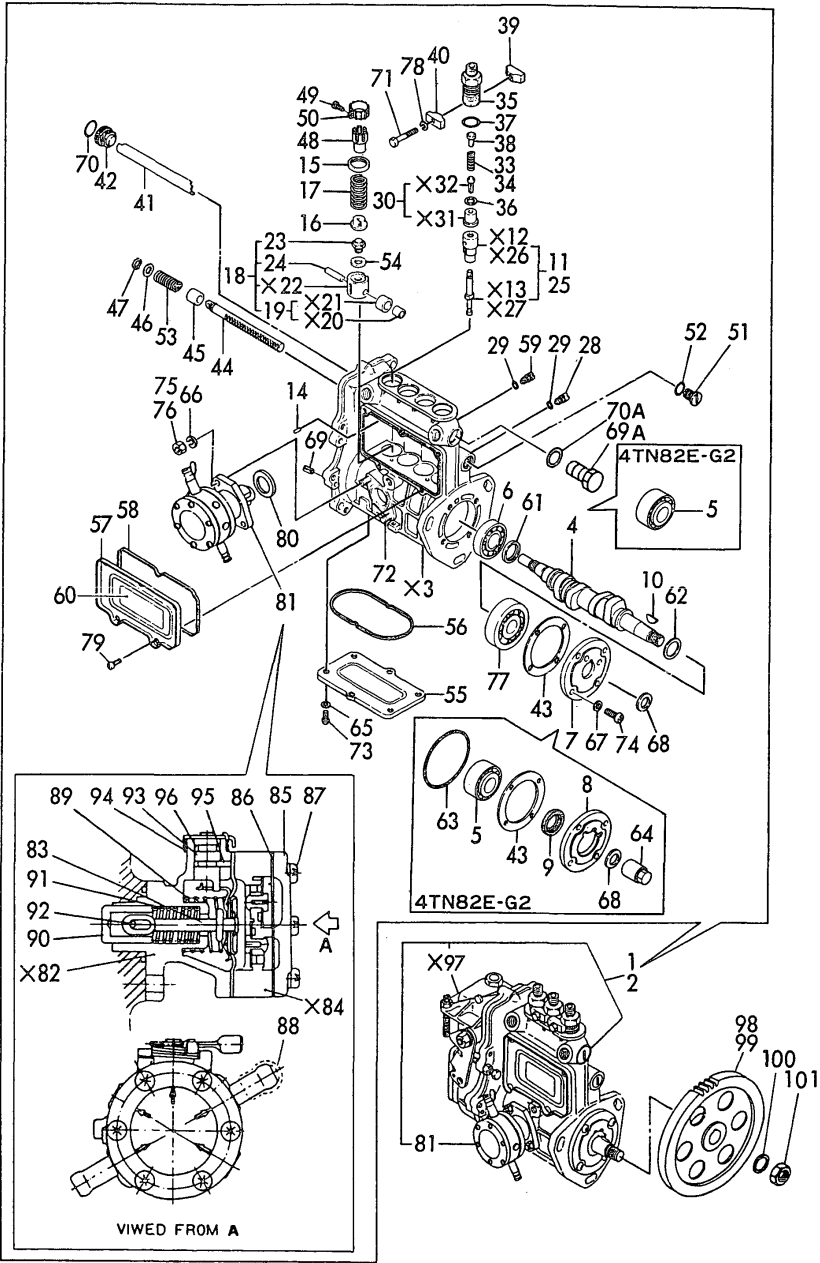
Fig.25 FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729402-51300	PUMP ASSY, INJECTION					1			
2	1	729488-51410	PUMP ASSY, INJECTION						1		
4	2	129470-51040	CAMSHAFT					1	1		
5	2	122710-51050	BEARING, HR30203J						2		
6	2	129155-51050	BEARING, 17BM001D					1			
7	2	129155-51060	SUPPORT, CAMSHAFT					1			
8	2	129470-51060	RETAINER, BEARING						1		
9	2	129470-51080	SEAL, AF0741F0						1		
10	2	122710-51090	KEY					1	1		
11	2	129400-51100	PLUNGER ASSY					4			
14	2	129155-51140	PIN					4	4		
15	2	174307-51170	RETAINER, SPRING A					4	4		
16	2	129155-51180	RETAINER, SPRING					4	4		
17	2	124950-51190	SPRING, PLUNGER					4	4		
18	2	129155-51200	TAPPET ASSY					4	4		
19	3	711100-51540	ROLLER ASSY					4	4		
23	3	129155-51250	BOLT, ADJUSTING					4	4		
24	3	174100-54120	PIN					4	4		
25	2	129400-51200	PLUNGER ASSY						4		
28	2	129155-51270	STOPPER, TAPPET					4	4		
29	2	129155-51280	O-RING, S6					4	4		
30	2	128170-51300	VALVE ASSY, DELIVERY					4	4		
33	2	129155-51320	SPRING, DELIVERY						4		
34	2	129155-51330	SPRING, DELIVERY					4			
34- 1	2	129155-51320	SPRING, DELIVERY					4		N	
				(E=EXXX)							
35	2	129155-51340	RETAINER					4	4		
36	2	124550-51350	GASKET, DELIVERY					4	4		
37	2	124550-51370	O-RING					4	4		
38	2	129155-51370	STOPPER, VALVE					4	4		
39	2	129155-51380	STOPPER					2	2		
40	2	129155-51390	STOPPER					2	2		
41	2	129555-51400	DEFLECTOR					1	1		
42	2	129155-51410	BOLT					2	2		
42- 1	2	129155-51410	BOLT					1	1	K	
				(E=EXXX)				(F=EXXX)			
43	2	129155-51450	SHIM SET, ADJUSTING					1	1		
44	2	129555-51500	RACK, CONTROL					1	1		
45	2	129155-51520	BUSH, RACK					1	1		
45- 1	2	129155-51521	BUSH, RACK					1	1	N	
				(E=EXXX)				(F=EXXX)			
46	2	129155-51530	SPACER					1	1		
47	2	129155-51540	CIRCLIP					1	1		
48	2	129155-51550	PINION, CONTROL					4	4		
49	2	122117-51560	SCREW					4	4		
50	2	174307-51560	PINION					4	4		
51	2	129155-51570	PLUG, M12					1	1		
52	2	129155-51580	O-RING					1	1		
53	2	129155-51591	SPRING, RACK					1	1		
54	2	129155-51600	SHIM SET, ADJUSTING					1	1		
54- 1	2	129155-51600	SHIM SET, ADJUSTING					4	4	K	

Fig.25. FUEL INJECTION PUMP(4TN82E)

Fig.25 FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
				(E=EXXX)				(F=EXXX)			
55	2	129555-51700	COVER					1	1		
56	2	129555-51710	GASKET					1	1		
57	2	129555-51750	COVER					1	1		
58	2	129555-51760	GASKET					1	1		
59	2	129155-51790	STOOPER, RACK					1	1		
60	2	129156-51910	LABEL, CAUTION					1	1		
61	2	129155-51930	SPACER, T=3.25					1			
62	2	129155-51940	SPACER, T=1.5					1			
63	2	121850-51960	O-RING							1	Z
								(F=EXXX)			
64	2	121850-61380	NUT						1		Z
								(F=EXXX)			
65	2	22217-050000	WASHER, SPRING 5					6	6		Z
				(E=EXXX)				(F=EXXX)			
66	2	22217-060000	WASHER, SPRING 6					2	2		
67	2	22287-060000	WASHER 6					4	4		Z
				(E=EXXX)				(F=EXXX)			
68	2	22287-120000	WASHER, 12					1	1		Z
				(E=EXXX)				(F=EXXX)			
69	2	22351-050010	PIN, SPRING 5.0X10					2	2		
69A	2	129155-51420	PLUG, M16					1	1		W
				(E=EXXX)				(F=EXXX)			
70	2	24341-000160	O-RING, 1AS16.0					1	1		
70A	2	43400-500490	SEAL WASHER 16S					1	1		W
				(E=EXXX)				(F=EXXX)			
71	2	26116-050309	BOLT M 5X 30 PLATED					2	2		
71- 1	2	26116-050302	BOLT, M5X 30 PLATED					2	2		N
				(E=EXXX)				(F=EXXX)			
72	2	26216-060142	STUD, M6X 14					2	2		
72- 1	2	129155-51020	STUD					2	2		N
				(E=EXXX)				(F=EXXX)			
73	2	26557-050102	SCREW, M5X10					6	6		
73- 1	2	26007-050102	SCREW M 5X 10					6	6		N
				(E=EXXX)				(F=EXXX)			
73- 2	2	26022-050102	SCREW, M5X10					6	6		N
				(E=EXXX)				(F=EXXX)			
74	2	26557-060162	SCREW M 6X 16					4	4		
74- 1	2	26007-060162	SCREW 6X16,PAN HD.MC					4	4		N
				(E=EXXX)				(F=EXXX)			
74- 2	2	26022-060162	SCREW, M6X16					4	4		N
				(E=EXXX)				(F=EXXX)			
75	2	26716-060002	NUT, M6							2	
76	2	26717-060002	NUT, M6					2			
76- 1	2	26716-060002	NUT, M6					2			N
				(E=EXXX)							
77	2	24101-063033	BEARING, BALL 6303P6					1			
77- 1	2	24101-063034	BEARING, BALL 6303					1			N
				(E=EXXX)							
78	2	22217-050000	WASHER, SPRING 5					2	2		Z
				(E=EXXX)				(F=EXXX)			

Fig. 25 FUEL INJECTION PUMP

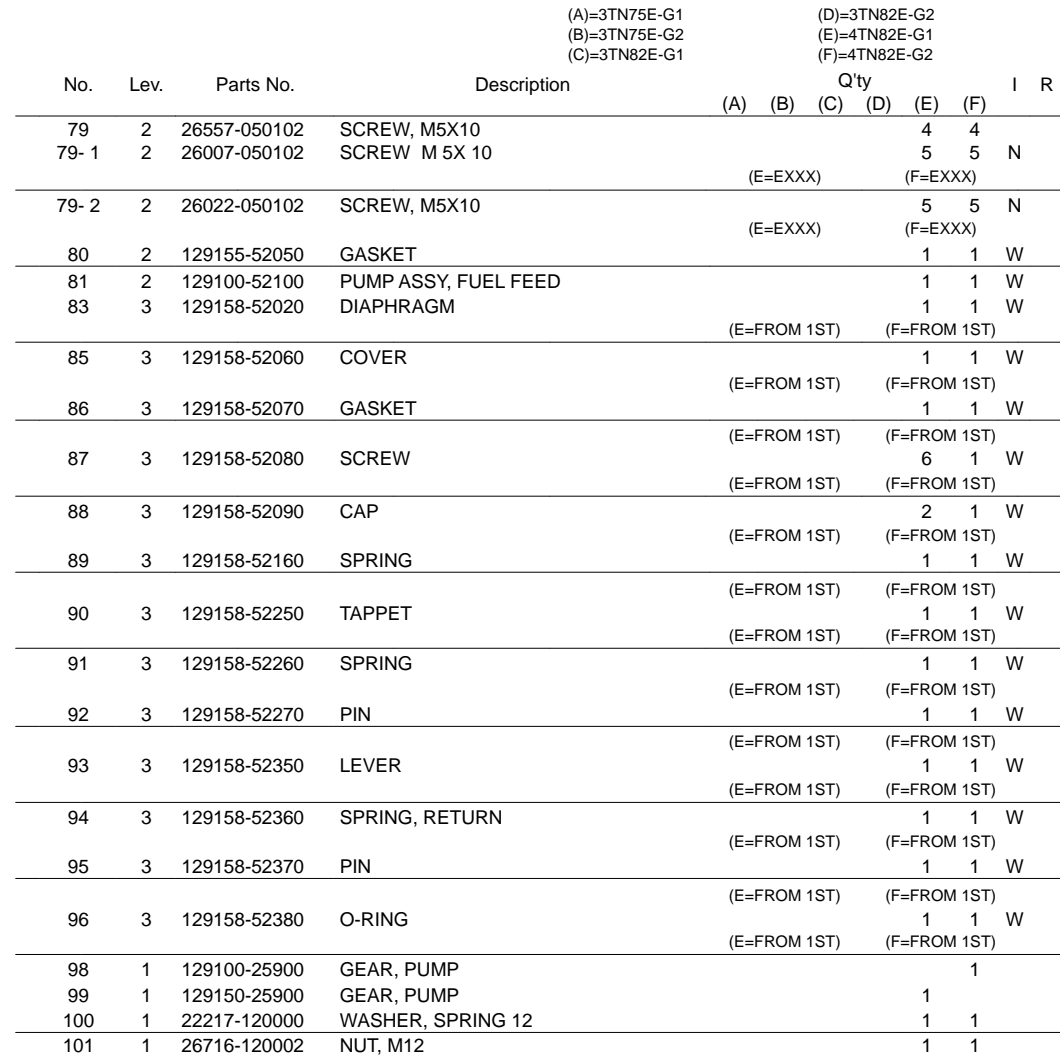
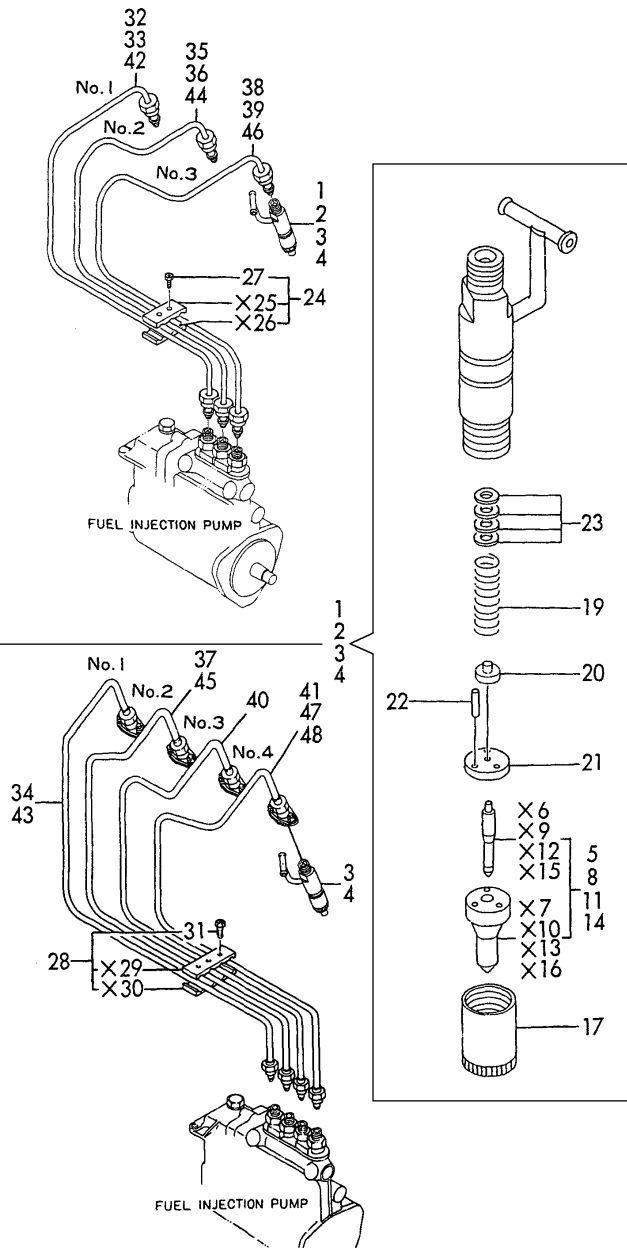


Fig.26. FUEL INJECTION LINE

Fig.26 FUEL INJECTION LINE

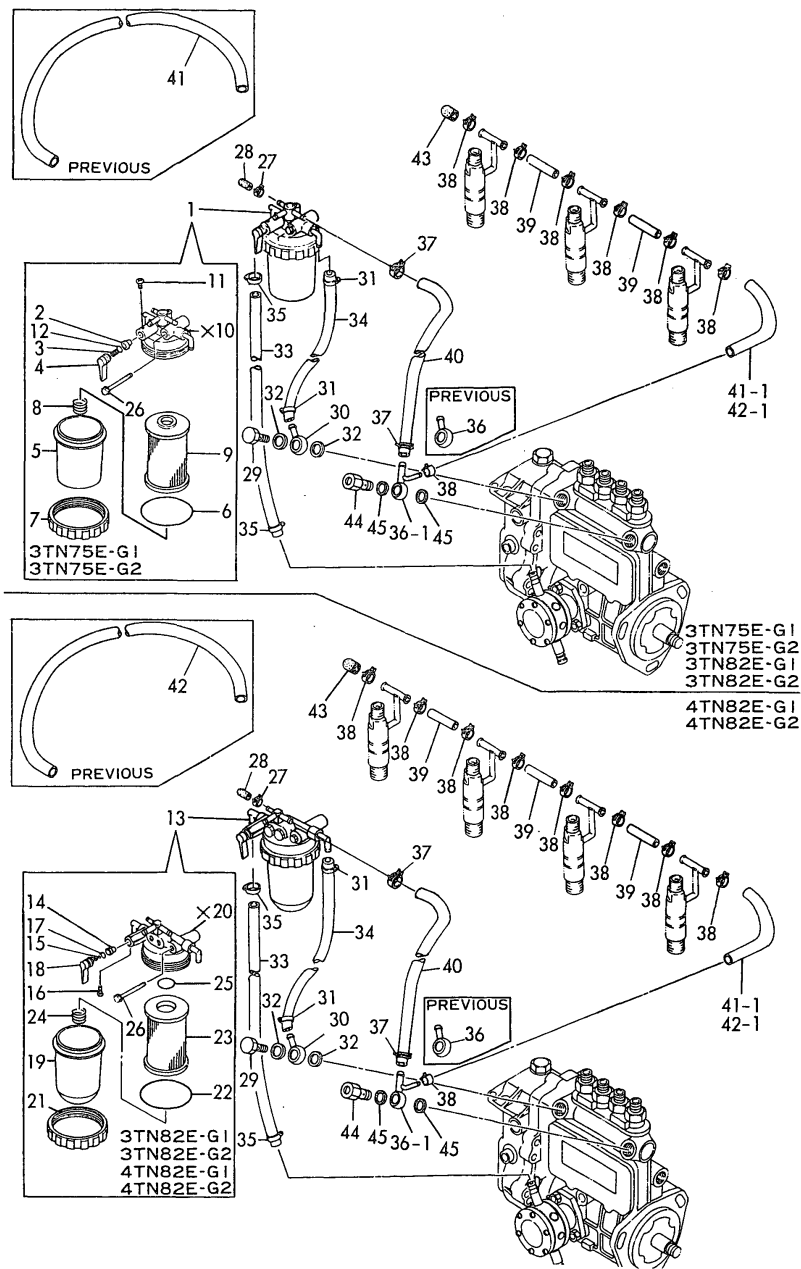
3TN75E-G1
3TN75E-G2
3TN82E-G1
3TN82E-G2
4TN82E-G1
4TN82E-G2



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719800-53200	VALVE ASSY,INJECTION	3							
2	1	719810-53100	VALVE ASSY,INJECTION		3						
3	1	719800-53100	VALVE ASSY,INJECTION			3		4			
4	1	729100-53100	VALVE ASSY,INJECTION				3		4		
5	2	119800-53000	VALVE ASSY,INJECTION			3		4			
8	2	119810-53000	VALVE ASSY,INJECTION		3						
11	2	129100-53000	VALVE ASSY,INJECTION				3		4		
14	2	119800-53050	VALVE ASSY,INJECTION	3							
17	2	114250-53080	NUT, NOZZLE D16.95	3	3	3	3	4	4		
19	2	114250-53120	SPRING, NOZZLE	3	3	3	3	4	4		
20	2	114250-53130	SEAT, SPRING	3	3	3	3	4	4		
21	2	114250-53140	PLATE	3	3	3	3	4	4		
22	1	114250-53210	PIN	6	6	6	6	8	8		
23	1	114250-53400	SHIM SET	3	3	3	3	4	4		
24	1	129150-59120	RETAINER, PIPE	1	1	1	1				
27	2	129150-59130	BOLT, M4X12	2	2	2	2				
28	1	129550-59120	RETAINER, PIPE					1	1		
31	2	129150-59130	BOLT, M4X12					2	2		
32	1	119810-59810	PIPE ASSY, INJECTION	1	1						
33	1	129100-59810	PIPE ASSY, INJECTION				1				
34	1	129400-59810	PIPE ASSY, INJECTION						1		
35	1	119810-59820	PIPE ASSY, INJECTION	1	1						
36	1	129100-59820	PIPE ASSY, INJECTION				1				
37	1	129400-59820	PIPE ASSY, INJECTION						1		
38	1	119810-59830	PIPE ASSY, INJECTION	1	1						
39	1	129100-59830	PIPE ASSY, INJECTION				1				
40	1	129400-59830	PIPE ASSY, INJECTION						1		
41	1	129400-59840	PIPE ASSY, INJECTION						1		
42	1	129100-59910	PIPE ASSY, INJECTION			1					
43	1	129400-59910	PIPE ASSY, INJECTION					1			
44	1	129100-59920	PIPE ASSY, INJECTION			1					
45	1	129400-59920	PIPE ASSY, INJECTION					1			
46	1	129100-59930	PIPE ASSY, INJECTION			1					
47	1	129400-59930	PIPE ASSY, INJECTION					1			
48	1	129400-59940	PIPE ASSY, INJECTION					1			

Fig.27. FUEL STRAINER

Fig. **27** FUEL STRAINER

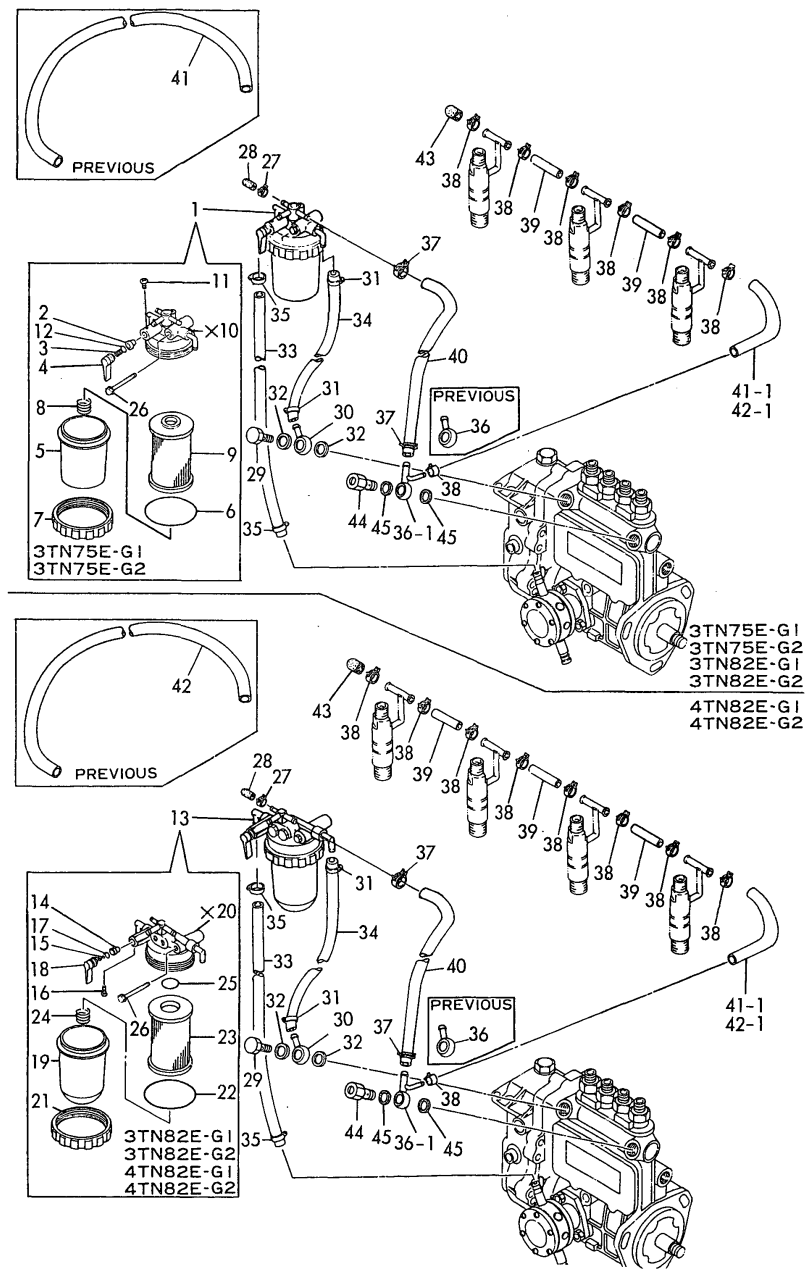


× MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-55621	FILTER ASSY, FUEL	1	1						
2	2	104200-55321	VALVE, TAPER	1	1						
3	2	104200-55330	SPRING, VALVE	1	1						
4	2	119810-55340	LEVER	1	1						
5	2	121254-55510	COVER	1	1						
6	2	102103-55520	O-RING	1	1						
7	2	110250-55610	RING, RETAINING	1	1						
8	2	121250-55620	SPRING	1	1						
9	2	119810-55650	ELEMENT	1	1						
11	2	104200-55750	SCREW, M4	1	1						
12	2	24311-240100	O-RING, 1AP10A	1	2						
12- 1	2	24311-240100	O-RING, 1AP10A		1						K
(B=EXXX)											
13	1	129100-55621	FILTER ASSY, FUEL			1	1	1	1		
14	2	104200-55321	VALVE, TAPER			1	1	1	1		
15	2	104200-55330	SPRING, VALVE			1	1	1	1		
16	2	104200-55750	SCREW, M4			1	1	1	1		
17	2	24311-240100	O-RING, 1AP10A			1	1	1	1		
18	2	129100-55670	LEVER			1	1	1	1		
19	2	129100-55680	CUP, STRAINER			1	1	1	1		
21	2	129100-55690	RING, RETAINING			1	1	1	1		
22	2	24321-000650	O-RING, 1AG65.0			1	1	1	1		
23	2	129100-55650	ELEMENT			1	1	1	1		
24	2	129100-55700	SPRING			1	1	1	1		
25	2	24311-000160	O-RING, 1AP16.0			1	1	1	1		
26	1	26106-080652	BOLT, M8X 65 PLATED	1	1	1	1	1	1		
26- 1	1	26014-080702	BOLT, M8X 70	1	1	1	1	1	1		N
(A=E/# 18431) (B=E/# 21433) (C=E/# 06524) (D=E/# 06565) (E=E/# 03347) (F=E/# 03824)											
27	1	124066-59100	CLIP, HOSE 8			1	1	1	1	W	
(C=E/# 03577) (D=E/# 02983) (E=E/# 01070) (F=E/# 01059)											
28	1	129150-59580	CAP			1	1	1	1	W	
(C=E/# 03577) (D=E/# 02983) (E=E/# 01070) (F=E/# 01059)											
29	1	103854-39140	BOLT, PIPE JOINT	1	1	1	1	1	1		
30	1	101304-59020	JOINT, PIPE 12	1	1	1	1	1	1		
31	1	124766-59050	CLIP, HOSE 12	2	2	2	2	2	2		
32	1	104200-59170	GASKET, 12	2	2	2	2	2	2		
33	1	129555-59510	PIPE, D13/7.5X180	1	1	1	1	1	1		
33-1A	1	129115-59510	PIPE, FUEL			1	1				N
(C=E/# 07914) (D=E/# 08698)											
33-1B	1	105312-59510	PIPE, FUEL					1	1	N	
(E=E/# 04228) (F=E/# 04320)											
34	1	105025-59530	PIPE, FUEL D13X400	1	1	1	1	1	1		
34- 1	1	105025-59750	PIPE, FUEL			1	1			N	
(C=E/# 13474) (D=E/# 12247)											
34- 2	1	105025-59750	PIPE, FUEL	1	1					N	
(A=E/# 43630) (B=E/# 44014)											
35	1	23000-013000	CLAMP, 13	2	2	2	2	2	2		
35- 1	1	124766-59050	CLIP, HOSE 12	2	2	2	2	2	2	N	
(A=E/# 39037) (B=E/# 39137) (C=E/# 13607) (D=E/# 12247) (E=E/# 09365) (F=E/# 09553)											
36	1	101304-59020	JOINT, PIPE 12	1	1	1	1	1	1		
36- 1	1	119840-59570	JOINT	1	1	1	1	1	1	S	

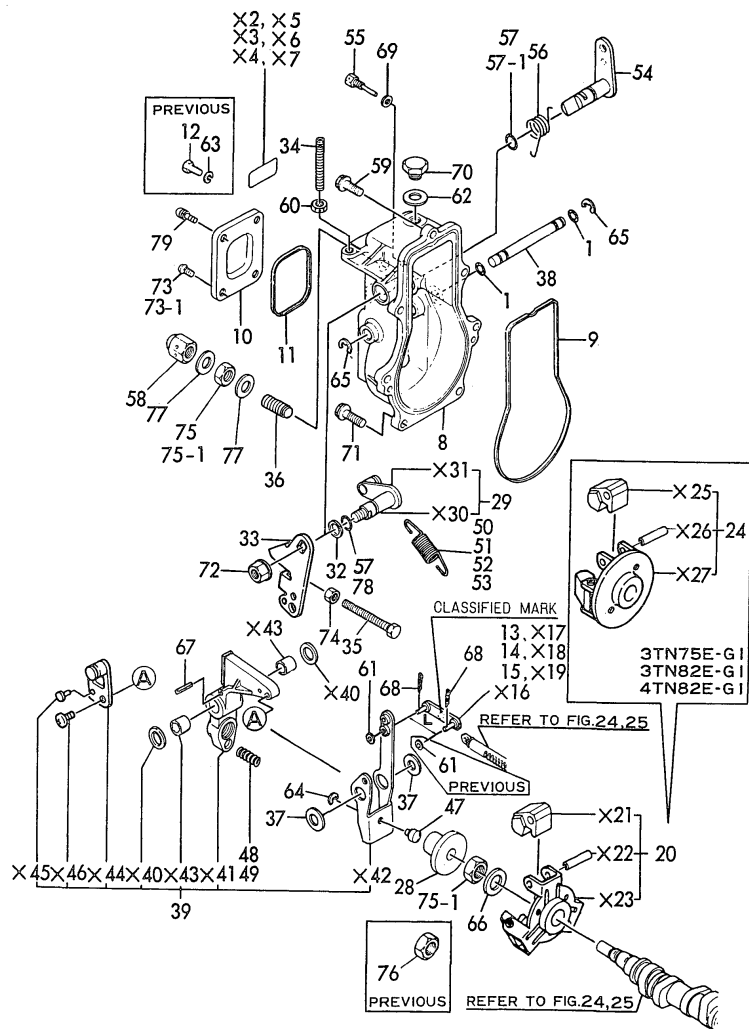
Fig.27. FUEL STRAINER

Fig.27 FUEL STRAINER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=E/# 08549)	(B=E/# 10740)	(C=E/# 03577)	(D=E/# 02983)	(E=E/# 01070)	(F=E/# 01059)				
37	1	124766-59050	CLIP, HOSE 12	2	2	2	2	2	2		
38	1	124066-59100	CLIP, HOSE 8	7	7	7	7	9	9		
39	1	121250-59550	PIPE, FUEL D8X120	2	2	2	2	3	3		
40	1	105225-59560	PIPE, FUEL	1	1	1	1	1	1		
40-1A	1	105025-59750	PIPE, FUEL	1	1	1	1				N
		(A=E/# 04800)	(B=E/# 10740)	(C=E/# 00381)	(D=E/# 00402)			1	1		N
40-1B	1	105025-59530	PIPE, FUEL D13X400		(E=E/# 00224)	(F=E/# 00570)					
41	1	124950-59560	PIPE, RETURN L=280	1	1	1	1				
41- 1	1	119840-59560	PIPE, FUEL RETURN	1	1	1	1				N
		(A=E/# 08549)	(B=E/# 10740)	(C=E/# 03577)	(D=E/# 02983)			1	1		
42	1	124066-59580	PIPE ASSY, RETURN					1	1		
42- 1	1	119840-59560	PIPE, FUEL RETURN					1	1		N
				(E=E/# 01070)	(F=E/# 01059)						
43	1	129150-59580	CAP	1	1	1	1	1	1		
44	1	129100-59951	VALVE ASSY, CHECK	1	1	1	1	1	1		
45	1	23414-120000	GASKET, 12X1.0	2	2	2	2	2	2		

Fig. 28 GOVERNOR



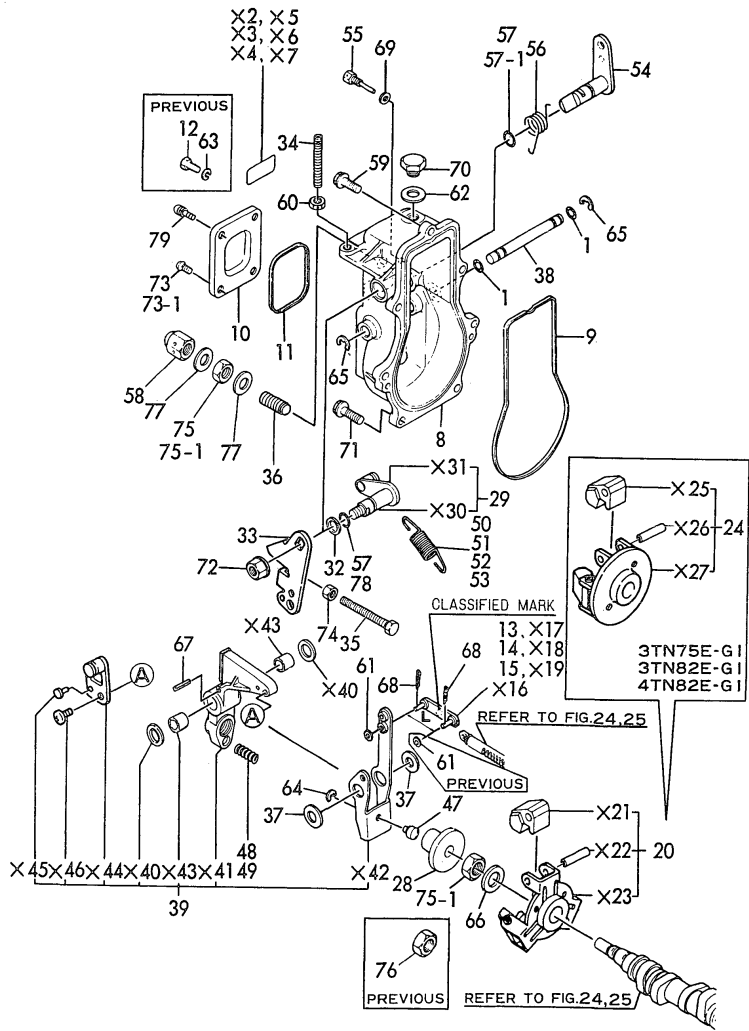
- (1) SELECTIVE PARTS : CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(ILLUSTRATION)
- (2) SIMULTANEOUS REPLACEMENT OF THESE PARTS ARE INTERCHANGEABLE.
- (3) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REFER NO.8- 2 AND REFER NO.39- 1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	129155-51280	O-RING, S6	2	2	2	2	2	2		
8	2	129155-61010	CASE, GOVERNOR	1	1	1	1	1	1		
8- 1	2	129155-61011	CASE, GOVERNOR	1	1	1	1	1	1	S	2
8- 2	2	129155-61012	CASE, GOVERNOR	1	1	1	1	1	1	F	3
9	2	129155-61050	GASKET	1	1	1	1	1	1		
10	2	129155-61060	COVER, GOVERNOR CASE	1	1	1	1	1	1		
11	2	129155-61070	GASKET	1	1	1	1	1	1		
12	2	129155-61090	BOLT	1	1	1	1	1	1	Z	
13	2	129155-61120	LINK, L=30 MARK 0	1	1	1	1	1	1		1
14	2	129155-61130	LINK, L=31 MARK 1	1	1	1	1	1	1		1
15	2	129155-61140	LINK, L=30.5 MARK 05	1	1	1	1	1	1		1
20	2	129155-61201	WEIGHT ASSY,GOVERNOR		1		1		1		
24	2	171488-61200	WEIGHT ASSY,GOVERNOR	1		1		1			
28	2	129155-61341	SLEEVE	1	1	1	1	1	1		
29	2	129100-61400	SHAFT ASSY	1	1	1	1	1	1		
29- 1	2	129500-61400	SHAFT ASSY		1		1		1	N	
32	2	129155-61430	SPACER	1	1	1	1	1	1		
33	2	129100-61440	LEVER, CONTROL	1	1	1	1	1	1		
34	2	129155-61450	BOLT, LIMITER	1	1	1	1	1	1		
35	2	129155-61460	BOLT, IDLE	1	1	1	1	1	1		
36	2	129155-61470	BOLT, CONTROL	1	1	1	1	1	1		
37	2	129155-61480	SPACER ASSY	2	2	2	2	2	2		
38	2	129155-61490	SHAFT	1	1	1	1	1	1		
39	2	129100-61500	LEVER ASSY, GOVERNOR	1	1	1	1	1	1		
39- 1	2	129100-61501	LEVER ASSY, GOVERNOR	1	1	1	1	1	1	F	3
47	2	129155-61540	SHIFTER	1	1	1	1	1	1		
48	2	129100-61650	SPRING, CONTROLLER	1		1		1			
48- 1	2	129500-61650	SPRING, FUEL CONTROL	1		1		1		N	
49	2	129470-61650	SPRING, FUEL CONTROL		1		1		1		
49- 1	2	129500-61650	SPRING, FUEL CONTROL		1		1		1	N	
50	2	129477-61700	SPRING, GOVERNOR			1		1			
50- 1	2	129477-61720	SPRING, GOVERNOR			1		1		N	
51	2	129500-61700	SPRING, GOVERNOR		1						
52	2	129477-61720	SPRING, GOVERNOR	1							
53	2	129500-61720	SPRING, GOVERNOR				1		1		
53- 1	2	129500-61700	SPRING, GOVERNOR				1		1	N	
54	2	129155-61800	LEVER, STOP	1	1	1	1	1	1		
54-1A	2	129400-61801	LEVER, STOP	1		1		1		S	2
54-1B	2	129155-61802	LEVER, STOP		1		1		1	S	2
55	2	129155-61810	PIN	1	1	1	1	1	1		

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++ Copyright (C) YANMAR CO., LTD. All Rights Reserved.

Fig.28. GOVERNOR

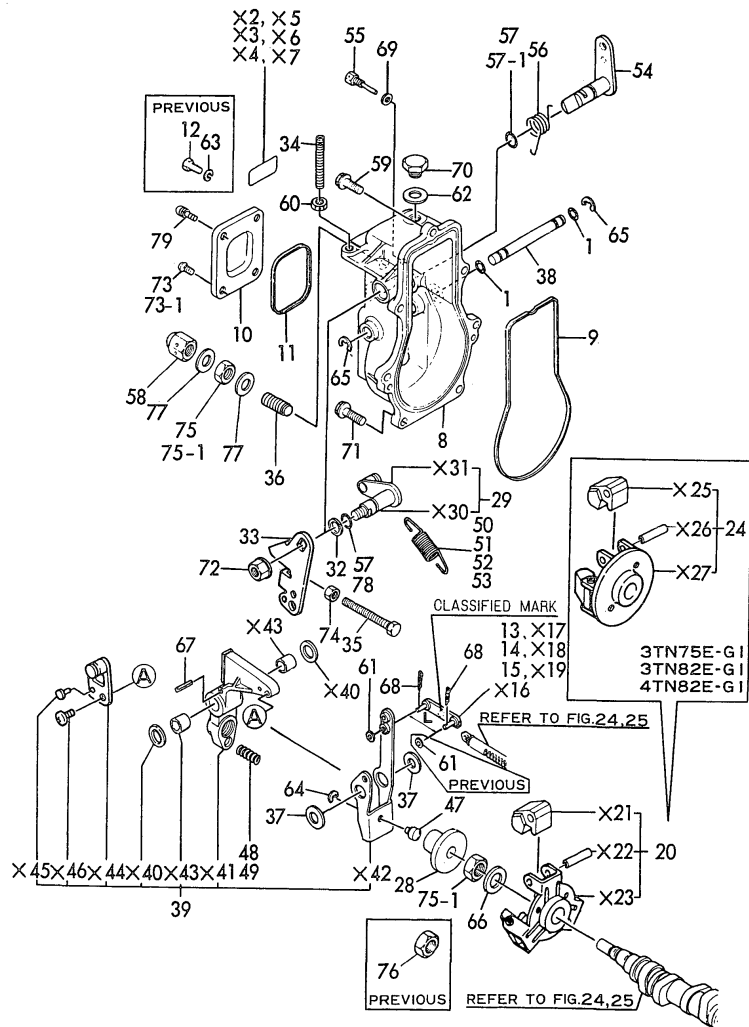
Fig. 28 GOVERNOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
56	2	129155-61820	SPRING, RETURN	1	1	1	1	1	1		
56- 1	2	129100-61821	SPRING, RETURN	1	1	1	1	1	1	S	2
(A=E/# 19292) (B=E/# 21433) (C=E/# 07186) (D=E/# 08698)				(E=E/# 03623)		(F=E/# 03824)					
57	2	129155-61830	O-RING, S10	3	3	3	3	3	3		
57- 1	2	129155-61830	O-RING, S10	1	1	1	1	1	1	K	
(A=E/# 19292) (B=E/# 21433) (C=E/# 07186) (D=E/# 08698)				(E=E/# 03623)		(F=E/# 03824)					
58	2	129100-61930	NUT, CAP	1	1	1	1	1	1		
58- 1	2	26687-120002	NUT, CAP M12	1	1	1	1	1	1	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
59	2	129155-61950	BOLT	1	1	1	1	1	1		
60	2	124550-66370	NUT, M6	1	1	1	1	1	1		
61	2	22117-040000	WASHER, 4	2	2	2	2	2	2		
61- 1	2	22117-040000	WASHER, 4	1	1	1	1	1	1	K	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
62	2	22190-100000	WASHER, SEAL 10	1	1	1	1	1	1		
62- 1	2	43400-500430	SEAL WASHER 10S	1	1	1	1	1	1	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
63	2	22217-050000	WASHER, SPRING 5	4	4	4	4	4	4	Z	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
64	2	22272-000040	RING, E- 4	1	1	1	1	1	1		
65	2	22272-000060	RING, E- 6	2	2	2	2	2	2		
66	2	22282-120000	WASHER 12	1	1	1	1	1	1		
66- 1	2	22287-120000	WASHER, 12	1	1	1	1	1	1	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
67	2	22351-030016	PIN, SPRING 3.0X16	1	1	1	1	1	1		
68	2	22360-050000	SNAP PIN 5	2	2	2	2	2	2		
68- 1	2	22372-040000	PIN, SNAP 4	2	2	2	2	2	2	N	
(A=E/# 39037) (B=E/# 39137) (C=E/# 13607) (D=E/# 12247)				(E=E/# 09365)		(F=E/# 09553)					
69	2	23414-050000	GASKET, 5X1.0	1	1	1	1	1	1		
69- 1	2	43400-500390	SEAL WASHER 6S	1	1	1	1	1	1	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
70	2	23887-100002	PLUG, 10	1	1	1	1	1	1		
71	2	26107-060202	BOLT M 6X 20 PLATED	6	6	6	6	6	6		
71- 1	2	26106-060202	BOLT, M6X 20 PLATED	6	6	6	6	6	6	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
72	2	26366-080002	NUT, M8	1	1	1	1	1	1		
73	2	26557-050102	SCREW, M5X10	3	3	3	3	3	3		
73- 1	2	26022-050102	SCREW, M5X10	4	4	4	4	4	4	K	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
73- 2	2	26022-050102	SCREW, M5X10	2	2	2	2	2	2	K	
(A=E/# 43024) (B=E/# 43186) (C=E/# 15039) (D=E/# 15290)				(E=E/# 11605)		(F=E/# 09600)					
74	2	26757-060002	NUT, LOCK M6	2	2	2	2	2	2		
74- 1	2	26756-060002	NUT, LOCK M6	2	2	2	2	2	2	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
74- 2	2	26756-060002	NUT, LOCK M6	1	1	1	1	1	1	K	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
75	2	26776-120002	NUT, LOCK M12	1	1	1	1	1	1		
75- 1	2	26776-120002	NUT, LOCK M12	2	2	2	2	2	2	K	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					
76	2	26777-120002	NUT, LOCK M12	1	1	1	1	1	1	Z	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)				(E=E/XXX)		(F=E/XXX)					

Remarks
(1) SELECTIVE PARTS : CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(ILLUSTRATION)
(2) SIMULTANEOUS REPLACEMENT OF THESE PARTS ARE INTERCHANGEABLE.
(3) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REFER NO.8- 2 AND REFER NO.39- 1.

Fig. 28 GOVERNOR

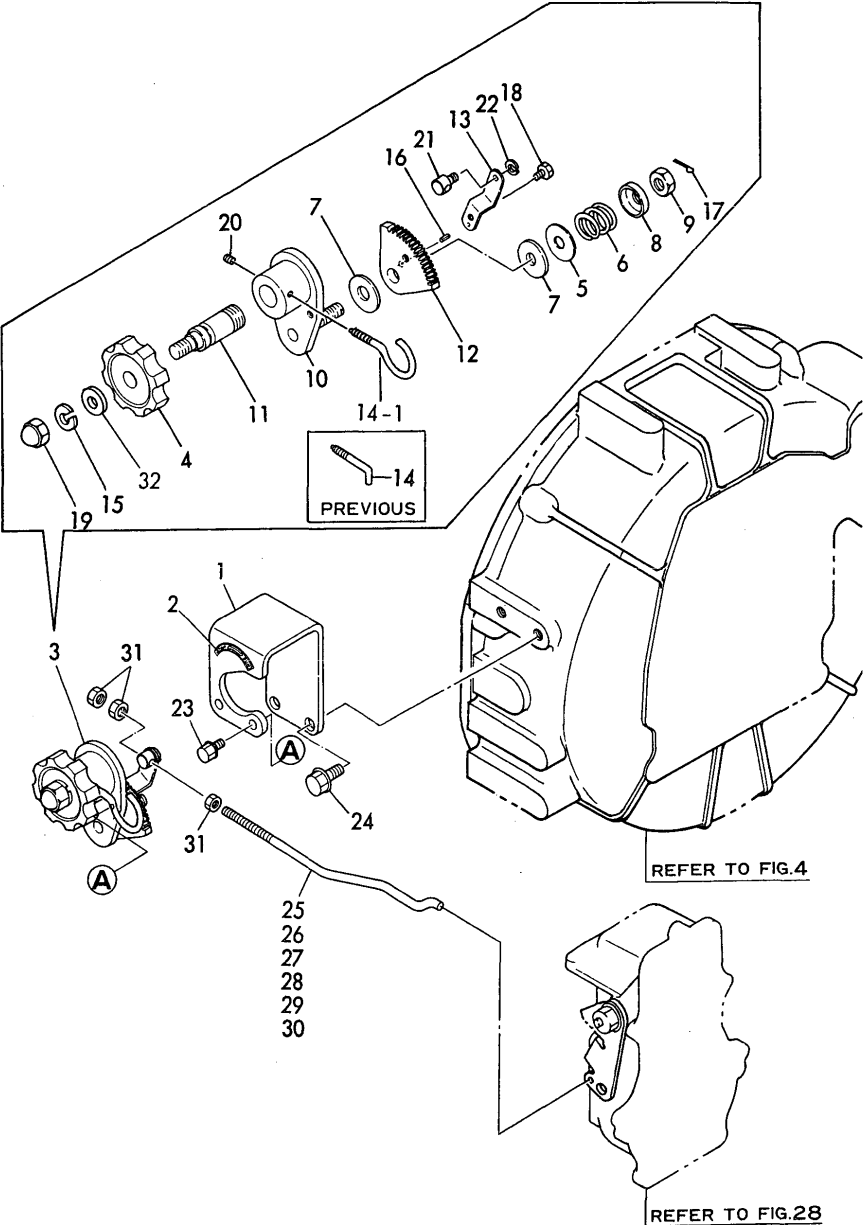


- (1) SELECTIVE PARTS : CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(ILLUSTRATION)
- (2) SIMULTANEOUS REPLACEMENT OF THESE PARTS ARE INTERCHANGEABLE.
- (3) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REFER NO.8- 2 AND REFER NO.39- 1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
77	2	43400-500450	SEAL WASHER 12S	2	2	2	2	2	2		
78	2	24311-240100	O-RING, 1AP10A	1	1	1	1	1	1	W	2
		(A=E/# 19292)	(B=E/# 21433)	(C=E/# 07186)	(D=E/# 08698)	(E=E/# 03630)	(F=E/# 03824)				
79	2	26023-050102	SCREW, M5X10	2	2	2	2	2	2	W	
		(A=E/# 43024)	(B=E/# 43186)	(C=E/# 15039)	(D=E/# 15290)	(E=E/# 11605)	(F=E/# 09600)				

Fig.29. GOVERNOR CONTROL DEVICE

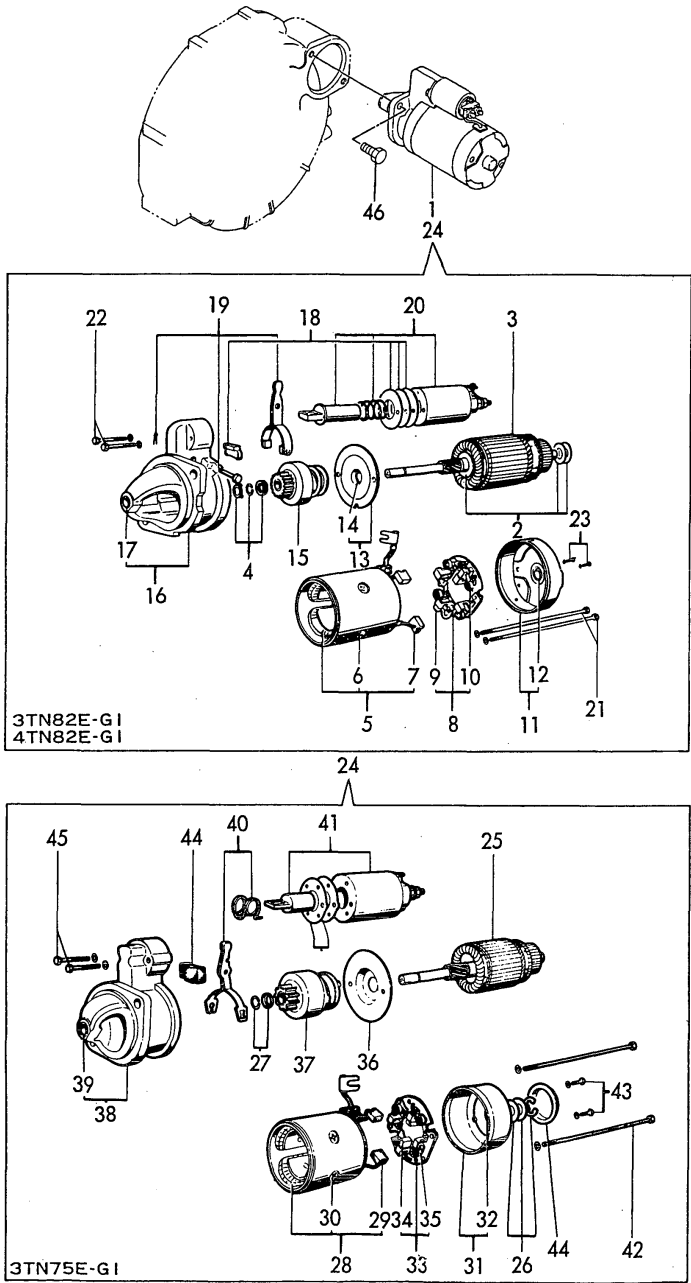
Fig.29 GOVERNOR CONTROL DEVICE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119888-66110	BRACKET	1	1	1	1	1	1		
2	1	119888-66140	LABEL, INSTRUCTION	1	1	1	1	1	1		
2- 1	1	170064-67210	LABEL, HANDLE	1	1	1	1	1	1	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX) (F=E/XXX)											
3	1	171048-67010	CONTROLLER ASSY	1	1	1	1	1	1		
4	2	126650-66020	HANDLE, REGULATOR	1	1	1	1	1	1		
5	2	171102-66080	WASHER	1	1	1	1	1	1		
6	2	104200-66820	SPRING	1	1	1	1	1	1		
7	2	104200-66830	PLATE, FRICTION	2	2	2	2	2	2		
8	2	104200-66850	WASHER	1	1	1	1	1	1		
9	2	104200-66860	NUT	1	1	1	1	1	1		
10	2	171085-67100	BRACKET	1	1	1	1	1	1		
11	2	171085-67110	SHAFT, DRIVE	1	1	1	1	1	1		
12	2	171085-67120	GEAR	1	1	1	1	1	1		
13	2	171048-67130	LEVER	1	1	1	1	1	1		
14	2	171085-67140	STOPPER	1	1	1	1	1	1		
14- 1	2	171048-67140	STOPPER	1	1	1	1	1	1	N	
(A=E/# 12347) (B=E/# 13528) (C=E/# 03919) (D=E/# 03927) (E=E/# 01476) (F=E/# 01553)											
15	2	22217-100000	WASHER, SPRING 10	1	1	1	1	1	1		
16	2	22351-020006	PIN, SPRING 2.0X 6	1	1	1	1	1	1		
17	2	22411-200150	COTTER PIN 2.0X15	1	1	1	1	1	1		
18	2	26116-060082	BOLT, M6X 8 PLATED	1	1	1	1	1	1		
19	2	26657-100002	NUT, CAP M10	1	1	1	1	1	1		
20	2	26979-050052	SCREW, M5X 5	1	1	1	1	1	1		
20- 1	2	26921-050122	SCREW, M5X12	1	1	1	1	1	1	S	
(A=E/# 08549) (B=E/# 10740) (C=E/# 03577) (D=E/# 02983) (E=E/# 01070) (F=E/# 01059)											
21	1	119888-66130	PIVOT	1	1	1	1	1	1		
22	1	22272-000050	RING, E- 5	1	1	1	1	1	1		
23	1	26106-060102	BOLT, M6X 10 PLATED	2	2	2	2	2	2		
24	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2	2	2		
25	1	119888-66120	LINK, ENGINE CONTROL	1							
26	1	129188-66120	LINK, ENGINE CONTROL				1				
26- 1	1	119888-66120	LINK, ENGINE CONTROL				1			N	
(D=E/XXX)											
27	1	129488-66120	LINK, ENGINE CONTROL							1	
28	1	119888-66150	LINK	1							
29	1	129188-66150	LINK, ENGINE CONTROL			1					
29- 1	1	119888-66150	LINK			1				N	
(C=E/XXX)											
30	1	129488-66150	LINK, ENGINE CONTROL					1			
31	1	26756-050002	NUT, LOCK M5	3	3	3	3	3	3		
32	1	22117-100000	WASHER, 10	1	1	1	1	1	1	W	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX) (F=E/XXX)											

Fig.30. STARTING MOTOR(3/4TN75/82E-G1)

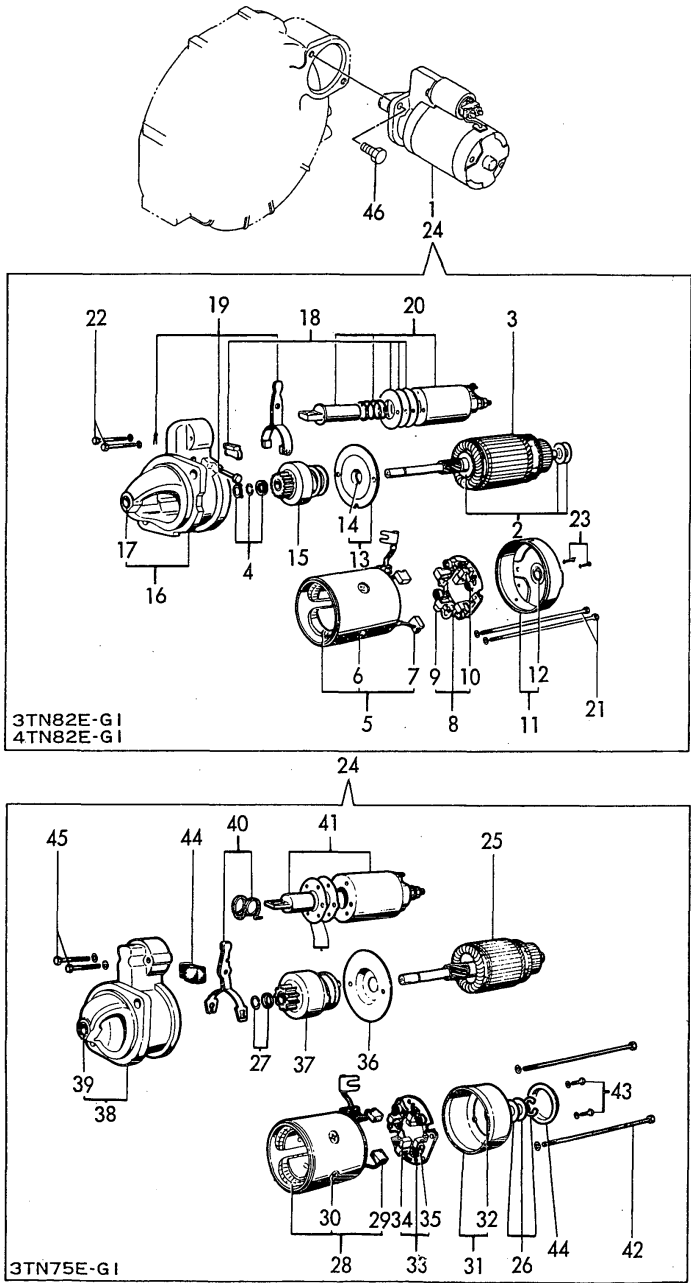
Fig.30 STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124250-77012	STARTER, S12-77A			1		1			
2	2	X21201115	WASHER SET, THRUST			1		1			
2- 1	2	124250-77510	WASHER KIT			1		1			R
3	2	X21207100	ARMATURE ASSY		(E=E/# 00666)	1		1			
3- 1	2	124250-77500	ARMATURE ASSY		(E=E/# 00666)	1		1			R
4	2	X21201110	STOPPER SET		(E=E/# 00666)	1		1			
4- 1	2	124250-77070	STOPPER SET, PINION		(E=E/# 00666)	1		1			R
5	2	X21204259	COIL ASSY		(E=E/# 00666)	1		1			
5- 1	2	124250-77110	COIL ASSY, FIELD		(E=E/# 00666)	1		1			R
6	3	X21142215	SCREW		(E=E/# 00666)	4		4			
6- 1	3	124250-77120	SCREW SET, PORE CORE		(E=E/# 00666)	4		4			R
7	3	X21209311	BRUSH (+)		(E=E/# 00666)	2		2			
7- 1	3	124250-77130	BRUSH (+)		(E=E/# 00666)	2		2			R
8	2	X21205310	HOLDER ASSY, BRUSH		(E=E/# 00666)	1		1			
8- 1	2	124250-77160	HOLDER ASSY, BRUSH		(E=E/# 00666)	1		1			R
9	3	X21207312	BRUSH		(E=E/# 00666)	1		1			
9- 1	3	124250-77170	BRUSH (-)		(E=E/# 00666)	2		2			R
10	3	X21201313	SPRING, BRUSH		(E=E/# 00666)	4		4			
10- 1	3	124250-77180	SPRING, BRUSH		(E=E/# 00666)	4		4			R
11	2	X212063001	REAR COVER ASSY		(E=E/# 00666)	1		1			
11- 1	2	124250-77140	COVER ASSY, REAR		(E=E/# 00666)	1		1			R
12	3	X21204302	METAL, COVER BEARING		(E=E/# 00666)	1		1			
12- 1	3	124250-77150	METAL, REAR COVER		(E=E/# 00666)	1		1			R
13	2	X21205400	BEARING ASSY		(E=E/# 00666)	1		1			
13- 1	2	124250-77190	BEARING ASSY, CENTER		(E=E/# 00666)	1		1			R
14	3	X21204401	METAL, CENTER BERG.		(E=E/# 00666)	1		1			
14- 1	3	124250-77520	BEARING		(E=E/# 00666)	1		1			R
15	2	X213065002	PINION ASSY		(E=E/# 00666)	1		1			
15- 1	2	124250-77210	PINION ASSY		(E=E/# 00666)	1		1			R
16	2	X212026004	CASE ASSY, GEAR		(E=E/# 00666)	1		1			
16- 1	2	124250-77220	CASE ASSY, GEAR		(E=E/# 00666)	1		1			R
17	3	X21202601	METAL, GEAR CASE		(E=E/# 00666)	1		1			
17- 1	3	124250-77230	METAL, GEAR CASE		(E=E/# 00666)	1		1			R
18	2	X21202602	COVER SET		(E=E/# 00666)	1		1			
18- 1	2	124250-77240	COVER SET, DUST		(E=E/# 00666)	1		1			R

Fig.30. STARTING MOTOR(3/4TN75/82E-G1)

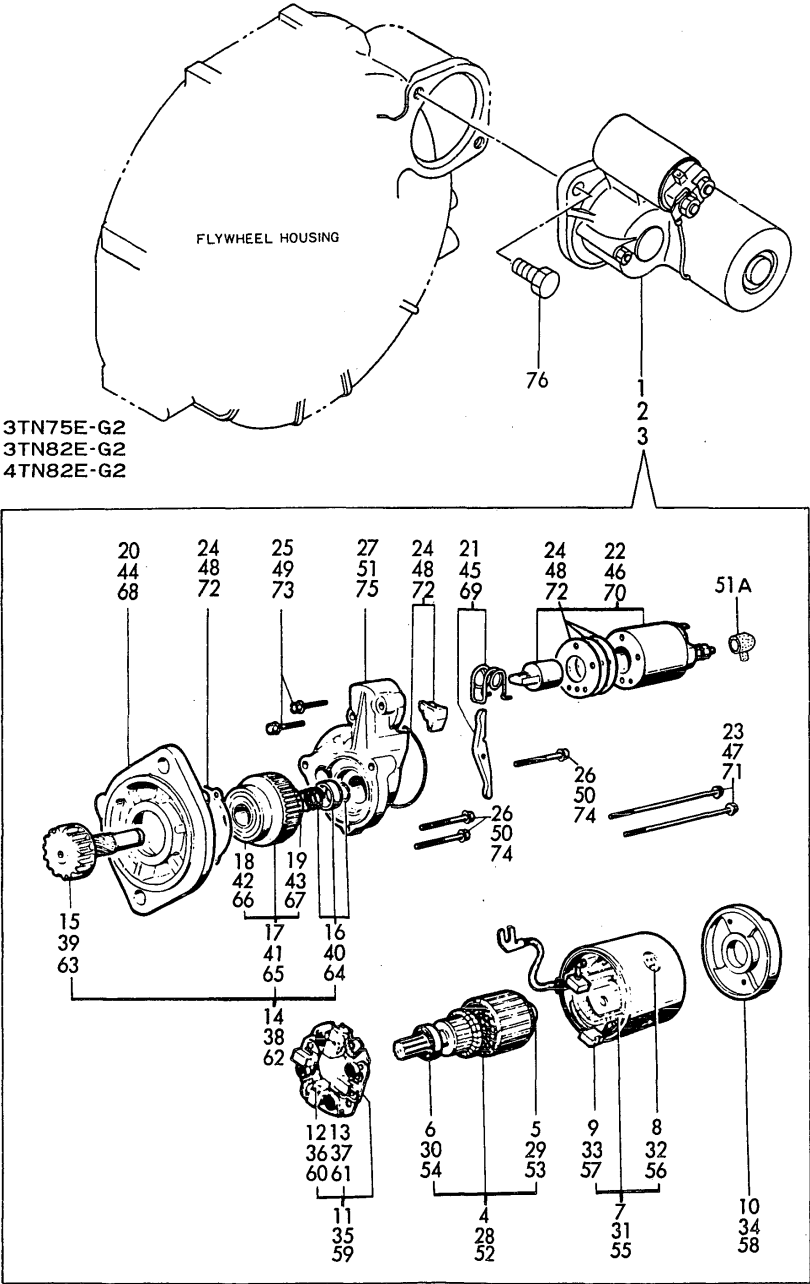
Fig.30 STARTING MOTOR



				(A)=3TN75E-G1 (B)=3TN75E-G2 (C)=3TN82E-G1					(D)=3TN82E-G2 (E)=4TN82E-G1 (F)=4TN82E-G2		
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
(C=E/# 01304)				(E=E/# 00666)							
19	2	X21201605	LEVER SET			1		1			
19- 1	2	124250-77270	LEVER SET, SHIFT			1		1			R
(C=E/# 01304)				(E=E/# 00666)							
20	2	X212037002	SWITCH ASSY, MAGNET.			1		1			
20- 1	2	124250-77310	SWITCH, MAGNETIC			1		1			R
(C=E/# 01304)				(E=E/# 00666)							
21	2	X21204810	BOLT, THROUGH			2		2			
21- 1	2	124250-77320	BOLT, THROUGH			2		2			R
(C=E/# 01304)				(E=E/# 00666)							
22	2	X21145866	BOLT			2		2			
22- 1	2	26106-060322	BOLT, M6X 32 PLATED			2		2			R
(C=E/# 01304)				(E=E/# 00666)							
23	2	X0630412	BOLT M 4X 12			2		2			
23- 1	2	26557-040122	SCREW, M4X12			2		2			R
(C=E/# 01304)				(E=E/# 00666)							
24	1	124450-77010	STARTER, S114-146			1					
25	2	X211491001	ARMATURE ASSY			1					
26	2	X21148110	WASHER SET, THRUST			1					
27	2	X21147155	STOPPER SET, PINION			1					
28	3	X211482001	COIL ASSY, FIELD			1					
29	4	X21145312	BRUSH, +			2					
30	4	X21147215	SCREW, POLE CORE			4					
31	2	X211423001	COVER ASSY, REAR			1					
32	3	X21145352	METAL			1					
33	2	X21141360	HOLDER ASSY, BRUSH			1					
34	3	X21145313	BRUSH (-)			2					
35	3	X21145314	SPRING			4					
36	2	X21143454	PLATE, CENTER			1					
37	2	X211445002	PINION ASSY			1					
38	2	X211486003	HOUSING ASSY, GEARS			1					
39	3	X21145661	METAL, GEAR CASE			1					
40	2	X21148652	LEVER SET, SHIFT			1					
41	2	X211457001	SWITCH, MAGNETIC			1					
42	2	X21146815	BOLT, THROUGH			2					
43	2	26557-040122	SCREW, M4X12			2					
44	2	X21143963	COVER KIT, DUCT			1					
45	2	26116-060322	BOLT, M6X 32 PLATED			2					
46	1	26116-120252	BOLT, M12X 25 PLATED			2	2	2			

Fig.31. STARTING MOTOR(3/4TN75/82E-G2)

Fig.31 STARTING MOTOR

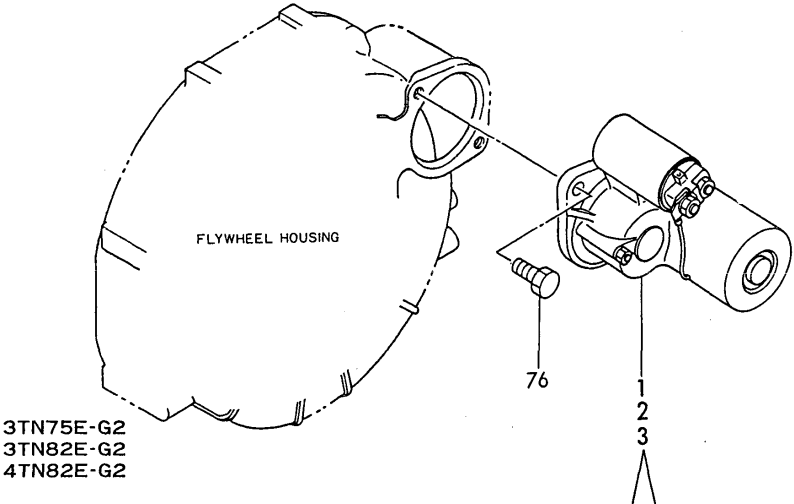


3TN75E-G2
3TN82E-G2
4TN82E-G2

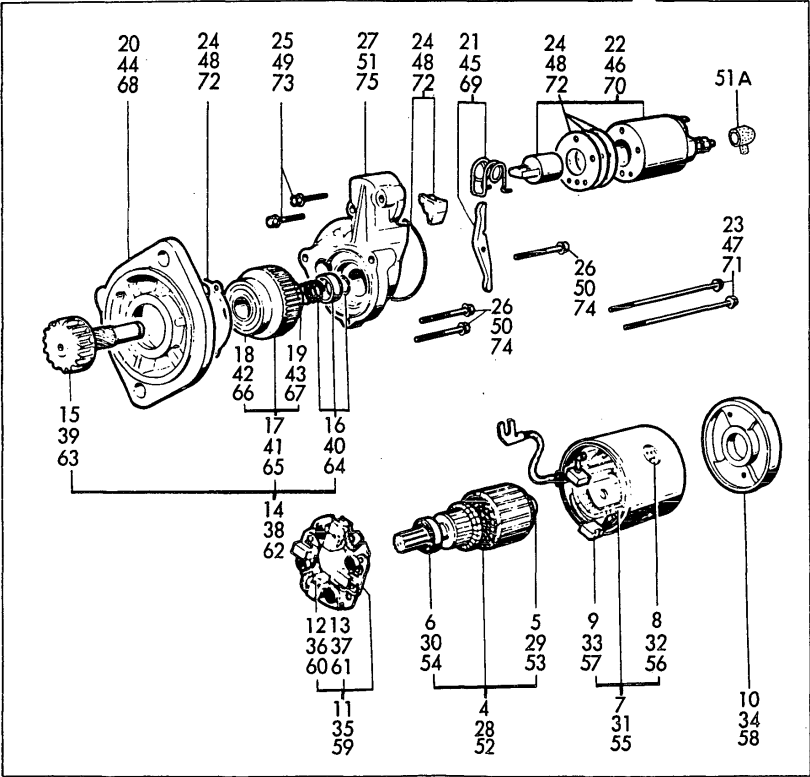
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124976-77011	STARTER, S114-349A		1						
2	1	171008-77010	STARTER, S114-483				1				
3	1	129400-77010	STARTER, S13-94						1		
3- 1	1	129400-77011	STARTER, S13-94A						1		R
									(F=E/# 02382)		
4	2	X211451007	ARMATURE ASSY		1						
5	3	X211415502	BEARING, BALL		1						
5- 1	3	171008-77410	BEARING(1)		1						R
		(B=E/# 10740)									
6	3	X211425502	BEARING, BALL		1						
6- 1	3	171008-77420	BEARING(2)		1						R
		(B=E/# 10740)									
7	2	X211472106	COIL ASSY, FIELD		1						
8	3	X21148215	SCREW, POLE CORE		4						
8- 1	3	171008-77450	SCREW		4						R
		(B=E/# 10740)									
9	3	X21143315	BRUSH (+)		2						
9- 1	3	171008-77460	BRUSH (+)		2						R
		(B=E/# 10740)									
10	2	X211483003	COVER		1						
10- 1	2	171008-77500	COVER, REAR		1						R
		(B=E/# 10740)									
11	2	X211429007	HOLDER ASSY, BRUSH		1						
11- 1	2	171008-77470	HOLDER ASSY, BRUSH		1						R
		(B=E/# 10740)									
12	3	X211459002	BRUSH (-)		2						
12- 1	3	171008-77480	BRUSH (-)		2						R
		(B=E/# 10740)									
13	3	X21148314	SPRING, BRUSH		4						
13- 1	3	171008-77490	SPRING, BRUSH		4						R
		(B=E/# 10740)									
14	2	X211415505	CLUTCH ASSY		1						
15	3	X211495009	SHAFT		1						
15- 1	3	171008-77660	SHAFT, PINION		1						R
		(B=E/# 10740)									
16	3	X211429006	STOPPER SET		1						
16- 1	3	171008-77670	STOPPER SET, PINION		1						R
		(B=E/# 10740)									
17	3	X211425505	CLUTCH ASSY		1						
17- 1	3	171008-77720	CLUTCH ASSY		1						R
		(B=E/# 10740)									
18	4	X211435502	BALL BEARING		1						
18- 1	4	171008-77730	BALL BEARING (3)		1						R
		(B=E/# 10740)									
19	4	X211445502	BALL BEARING		1						
19- 1	4	171008-77740	BALL BEARING (4)		1						R
		(B=E/# 10740)									
20	2	X211476504	HOUSING ASSY, GEAR		1						
20- 1	2	171008-77510	HOUSING ASSY, GEAR		1						R
		(B=E/# 10740)									
21	2	X21146012	LEVER, SHIFT		1						

Fig.31. STARTING MOTOR(3/4TN75/82E-G2)

Fig.31 STARTING MOTOR



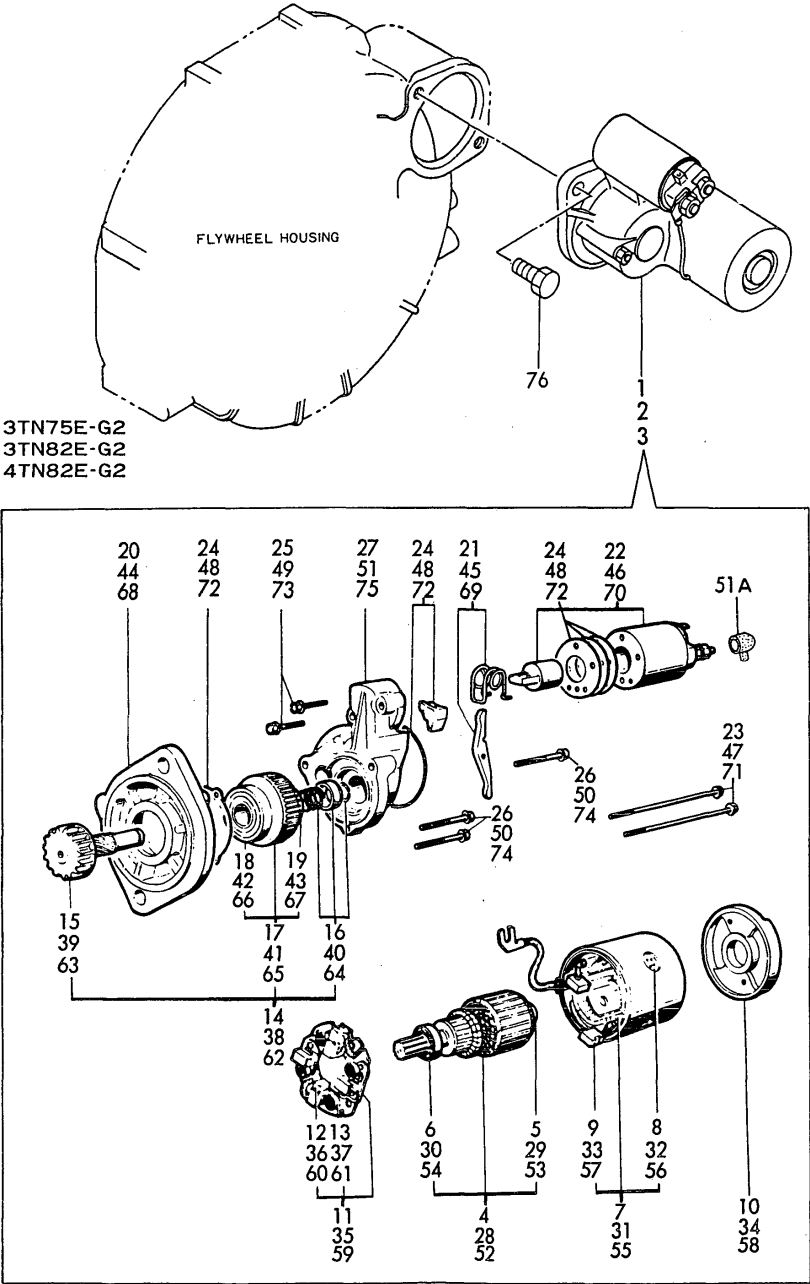
3TN75E-G2
3TN82E-G2
4TN82E-G2



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
22	2	X211447007	SWITCH, MAGNETIC		1						
22- 1	2	171008-55730	SWITCH ASSY		1					R	M
		(B=E/# 10740)									
22- 2	2	171008-77530	SWITCH, MAGNETIC		1					R	
		(B=E/# 10740)									
23	2	X211468005	BOLT, THROUGH		2						
23- 1	2	124195-77770	THROUGH BOLT		2					R	
		(B=E/# 10740)									
24	2	X211448004	COVER KIT		1						
24- 1	2	171008-77571	DUST COVER,(NON-ASB.		1					R	
		(B=E/# 10740)									
25	2	X21145866	BOLT		2						
25- 1	2	26106-060322	BOLT, M6X 32 PLATED		2					R	
		(B=E/# 10740)									
26	2	X21142867	BOLT		3						
26- 1	2	26106-060402	BOLT, M6X 40 PLATED		3					R	
		(B=E/# 10740)									
27	2	X211414501	HOUSING, CENTER		1						
28	2	X211431009	ARMATURE ASSY				1				
28- 1	2	171008-77400	ARMATURE ASSY				1			R	
		(D=E/# 02983)									
29	3	X211415502	BEARING, BALL				1				
29- 1	3	171008-77410	BEARING(1)				1			R	
		(D=E/# 02983)									
30	3	X211425502	BEARING, BALL				1				
30- 1	3	171008-77420	BEARING(2)				1			R	
		(D=E/# 02983)									
31	2	X211482003	COIL ASSY, FIELD				1				
31- 1	3	171008-77440	COIL ASSY, FIELD				1			R	
		(D=E/# 02983)									
32	3	X21143215	SCREW, CORE				4				
32- 1	4	171008-77450	SCREW				4			R	
		(D=E/# 02983)									
33	3	X211469002	BRUSH (+)				2				
33- 1	4	171008-77460	BRUSH (+)				2			R	
		(D=E/# 02983)									
34	2	X211483003	COVER				1				
34- 1	2	171008-77500	COVER, REAR				1			R	
		(D=E/# 02983)									
35	2	X211429007	HOLDER ASSY, BRUSH				1				
35- 1	2	171008-77470	HOLDER ASSY, BRUSH				1			R	
		(D=E/# 02983)									
36	3	X211459002	BRUSH (-)				2				
36- 1	3	171008-77480	BRUSH (-)				2			R	
		(D=E/# 02983)									
37	3	X21148314	SPRING, BRUSH				4				
37- 1	3	171008-77490	SPRING, BRUSH				4			R	
		(D=E/# 02983)									
38	2	X211455505	PINION CLUTCH ASSY				1				
38- 1	2	171008-77650	PINION ASSY				1			R	
		(D=E/# 02983)									

Fig.31. STARTING MOTOR(3/4TN75/82E-G2)

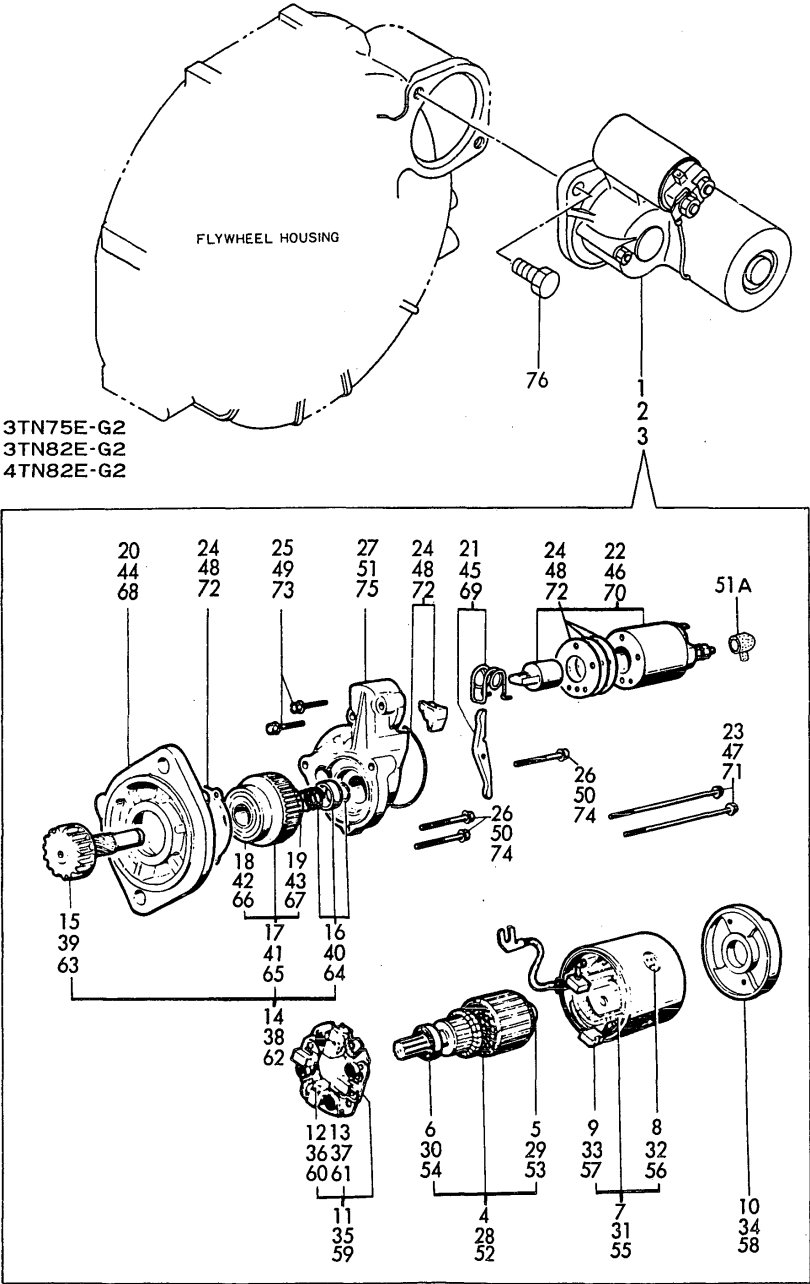
Fig.31 STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
39	3	X211495009	SHAFT				1				
39- 1	3	171008-77660	SHAFT, PINION				1				R
(D=E/# 02983)											
40	3	X211429006	STOPPER SET				1				
40- 1	3	171008-77670	STOPPER SET, PINION				1				R
(D=E/# 02983)											
41	3	X211425505	CLUTCH ASSY				1				
41- 1	3	171008-77720	CLUTCH ASSY				1				R
(D=E/# 02983)											
42	4	X211435502	BALL BEARING				1				
42- 1	4	171008-77730	BALL BEARING (3)				1				R
(D=E/# 02983)											
43	4	X211445502	BALL BEARING				1				
43- 1	4	171008-77740	BALL BEARING (4)				1				R
(D=E/# 02983)											
44	2	X211476504	HOUSING ASSY, GEAR				1				
44- 1	2	171008-77510	HOUSING ASSY, GEAR				1				R
(D=E/# 02983)											
45	2	X211446012	LEVER, SHIFT				1				
45- 1	2	171008-77540	LEVER SET, SHIFT				1				R
(D=E/# 02983)											
46	2	X211447007	SWITCH, MAGNETIC				1				
46- 1	2	171008-77530	SWITCH, MAGNETIC				1				R
(D=E/# 02983)											
47	2	X211458005	BOLT, THROUGH				2				
47- 1	2	171008-77640	BOLT, THROUGH				2				R
(D=E/# 02983)											
48	2	X211448004	COVER KIT				1				
48- 1	2	171008-77571	DUST COVER,(NON-ASB.				1				R
(D=E/# 02983)											
49	2	X21145866	BOLT				2				
49- 1	2	26106-060322	BOLT, M6X 32 PLATED				2				R
(D=E/# 02983)											
50	2	X21142867	BOLT				3				
50- 1	2	26106-060402	BOLT, M6X 40 PLATED				3				R
(D=E/# 02983)											
51	2	X211454002	HOUSING, CENTER				1				
51- 1	2	171008-77520	HOUSING, CENTER				1				R
(D=E/# 02983)											
51A	2	171008-77750	COVER,M TERMINAL				1				W
(D=E/# 02983)											
52	2	X21309100	ARMATURE ASSY							1	
52- 1	2	129400-77400	ARMATURE ASSY							1	R
(F=E/# 02382)											
53	3	X211415502	BEARING, BALL				1				
53- 1	3	171008-77410	BEARING(1)							1	R
(F=E/# 02382)											
54	3	X211425502	BEARING, BALL				1				
54- 1	3	171008-77420	BEARING(2)							1	R
(F=E/# 02382)											
55	2	X213012001	COIL ASSY, FIELD							1	

Fig.31. STARTING MOTOR(3/4TN75/82E-G2)

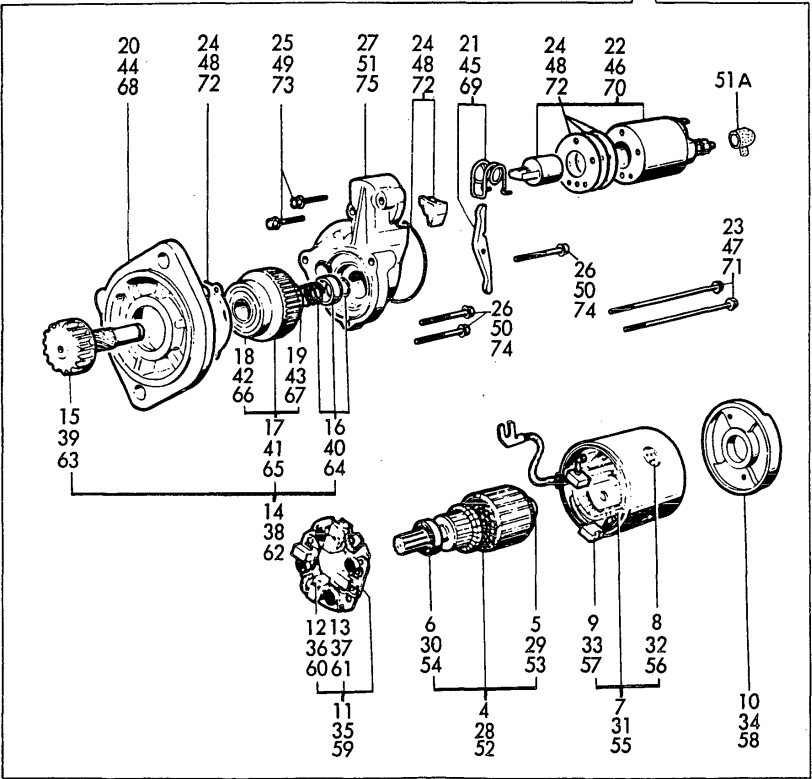
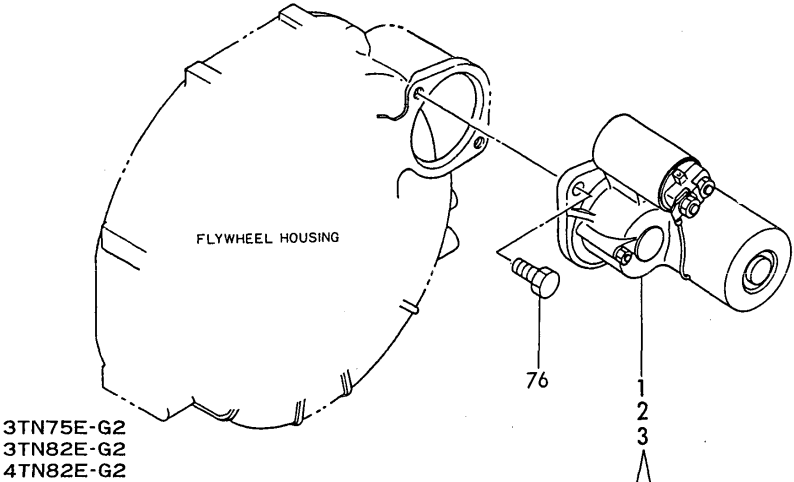
Fig.31 STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
55- 1	2	129400-77440	COIL ASSY, FIELD						1		R
									(F=E/# 02382)		
56	3	X21143215	SCREW, CORE						4		
56- 1	3	171008-77450	SCREW						4		R
									(F=E/# 02382)		
57	3	X213023112	BRUSH, +						2		
57- 1	3	129400-77460	BRUSH (+)						2		R
									(F=E/# 02382)		
58	2	X213053014	COVER						1		
58- 1	2	129400-77510	COVER, REAR						1		R
									(F=E/# 02382)		
59	2	X213053021	HOLDER ASSY, BRUSH						1		
59- 1	2	129400-77470	HOLDER ASSY, BRUSH						1		R
									(F=E/# 02382)		
60	3	X213023112	BRUSH, +						2		
60- 1	3	129400-77480	BRUSH (-)						2		R
									(F=E/# 02382)		
61	3	X21306313	SPRING, BRUSH						4		
61- 1	3	129400-77490	SPRING, BRUSH						4		R
									(F=E/# 02382)		
62	2	X211455505	PINION CLUTCH ASSY						1		
62- 1	2	171008-77650	PINION ASSY						1		R
									(F=E/# 02382)		
63	3	X211495509	SHAFT, PINION						1		
63- 1	3	171008-77660	SHAFT, PINION						1		R
									(F=E/# 00570)		
64	3	X211429006	STOPPER SET						1		
64- 1	3	171008-77670	STOPPER SET, PINION						1		R
									(F=E/# 00570)		
65	3	X211425505	CLUTCH ASSY						1		
65- 1	3	171008-77720	CLUTCH ASSY						1		R
									(F=E/# 00570)		
66	4	X211435502	BALL BEARING						1		
66- 1	4	171008-77730	BALL BEARING (3)						1		R
									(F=E/# 00570)		
67	4	X211445502	BALL BEARING						1		
67- 1	4	171008-77740	BALL BEARING (4)						1		R
									(F=E/# 00570)		
68	2	X211476504	HOUSING ASSY, GEAR						1		
68- 1	2	171008-77510	HOUSING ASSY, GEAR						1		R
									(F=E/# 02382)		
69	2	X211446012	LEVER, SHIFT						1		
69- 1	2	171008-77540	LEVER SET, SHIFT						1		R
									(F=E/# 02382)		
70	2	X213077001	SWITCH ASSY						1		
70- 1	2	129400-77530	SWITCH ASSY,MAGNETIC						1		R
									(F=E/# 02382)		
71	2	X21309820	BOLT, THROUGH						2		
71- 1	2	129400-77640	BOLT, THROUGH						2		R
									(F=E/# 02382)		
72	2	X21306910	COVER KIT						1		

Fig.31. STARTING MOTOR(3/4TN75/82E-G2)

Fig.31 STARTING MOTOR

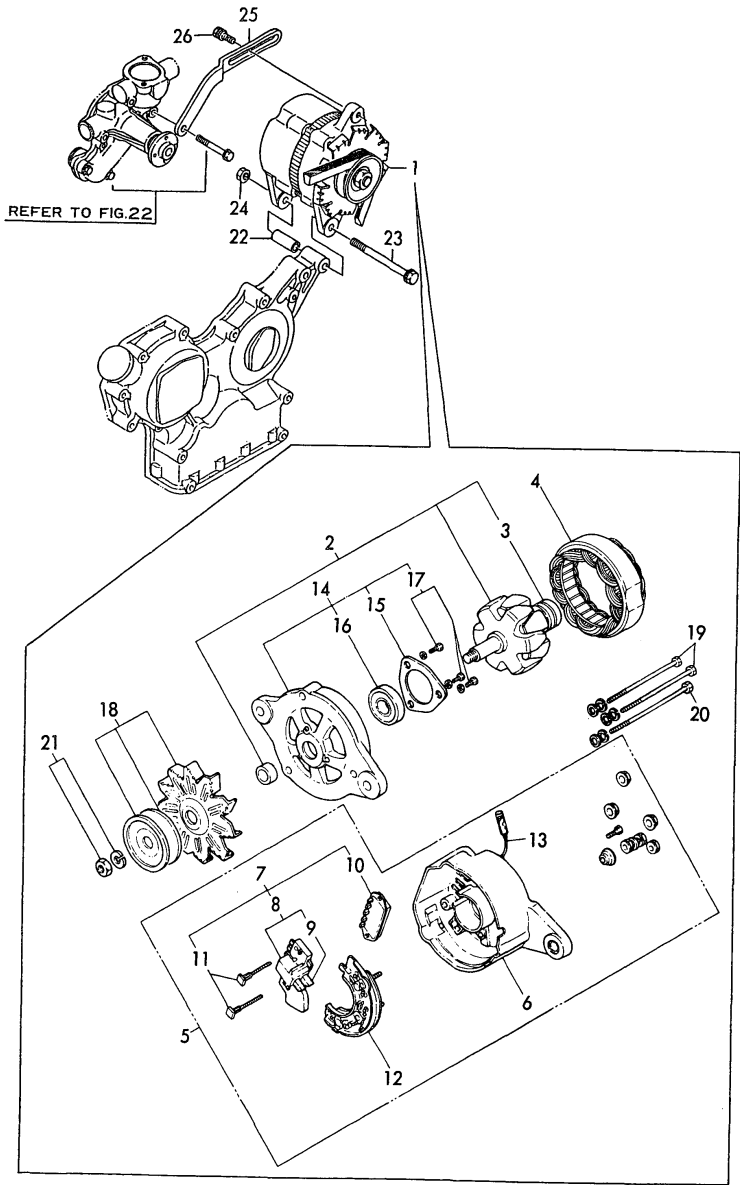


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
72- 1	2	129400-77570	COVER KIT, DUST						1		R
									(F=E/# 02382)		
73	2	X21145866	BOLT						2		
73- 1	2	26106-060322	BOLT, M6X 32 PLATED						2		R
									(F=E/# 00570)		
74	2	X21142867	BOLT						3		
74- 1	2	26106-060402	BOLT, M6X 40 PLATED						3		R
									(F=E/# 02382)		
75	2	X213054001	BRACKET ASSY, CENTER						1		
75- 1	2	129400-77520	HOUSING, CENTER						1		R
									(F=E/# 02382)		
76	1	26116-120252	BOLT, M12X 25 PLATED		2		2		2		

Fig.32. GENERATOR

(A)=3TN75E-G1
(B)=3TN75E-G2
(C)=3TN82E-G1
(D)=3TN82E-G2
(E)=4TN82E-G1
(F)=4TN82E-G2

Fig. **32** GENERATOR

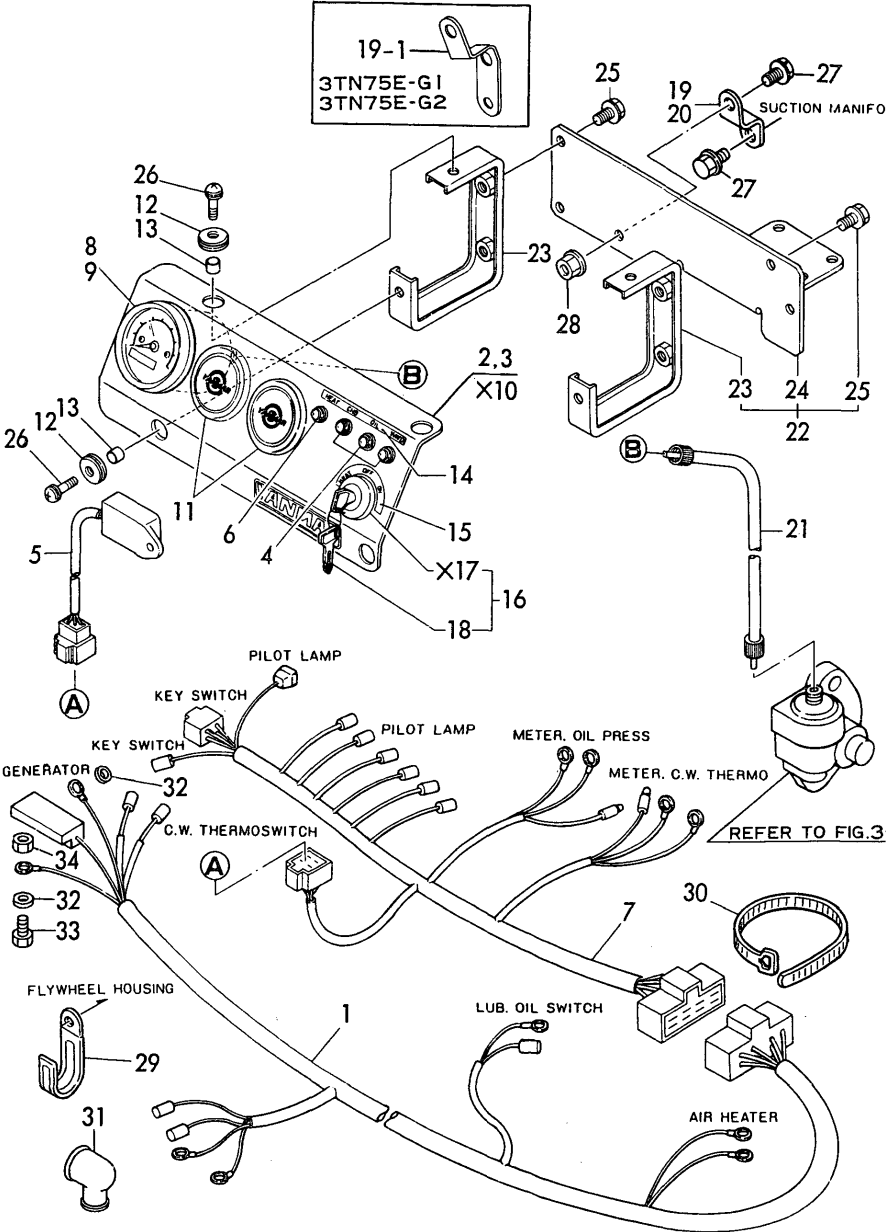


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121400-77201	GENERATOR, LR120-15C	1	1	1	1	1	1		
2	2	XL12031001	ROTOR ASSY	1	1	1	1	1	1		
3	3	X6201SD	BALL BEARING #6201SD	1	1	1	1	1	1		
4	2	XL1209200	STATOR ASSY	1	1	1	1	1	1		
5	2	XL13533002	COVER ASSY, REAR	1	1	1	1	1	1		
6	3	XL12033011	COVER, REAR	1	1	1	1	1	1		
7	3	XL13513152	REGULATOR	1	1	1	1	1	1		
8	4	XL1354326	BRUSH, CARBON	1	1	1	1	1	1		1
9	4	XL12013262	BRUSH	2	2	2	2	2	2		
10	4	XTR1Z63	REGULATOR	1	1	1	1	1	1		
11	4	XL13513134	BOLT M5	2	2	2	2	2	2		
12	3	XL13513203	DIODE ASSY	1	1	1	1	1	1		
13	3	XL1356360	WIRE ASSY	1	1	1	1	1	1		
14	2	XL1202401	COVER ASSY, FRONT	1	1	1	1	1	1		
15	3	XL13514041	RETAINER	1	1	1	1	1	1		
16	3	XL6202BM	BALL BEARING	1	1	1	1	1	1		
16- 1	3	X6202BM	BALL BEARING	1	1	1	1	1	1		N
(A=*) (B=*) (C=*) (D=*) (E=*) (F=*)											
17	3	XL12010001	SCREW KIT	1	1	1	1	1	1		
18	2	XL1201510	PULLEY ASSY	1	1	1	1	1	1		
19	2	XL1254801	BOLT, THROUGH	2	2	2	2	2	2		
20	2	XL1255801	BOLT, THROUGH	1	1	1	1	1	1		
21	2	XB495469B	NUT ASSY, PULLEY	1	1	1	1	1	1		
22	1	129150-77340	SPACER	1	1	1	1	1	1		
23	1	26116-081202	BOLT, M8X120 PLATED	1	1	1	1	1	1		
24	1	26366-080002	NUT, M8	1	1	1	1	1	1		
25	1	129100-77330	ADJUSTER	1	1	1	1	1	1		
25- 1	1	129410-77330	ADJUSTER			1	1	1	1		N
26	1	26014-080252	BOLT, M8X 25	1	1	1	1	1	1		

Remarks
1)INC.9

Fig.33. INSTRUMENT PANEL

Fig.33 INSTRUMENT PANEL



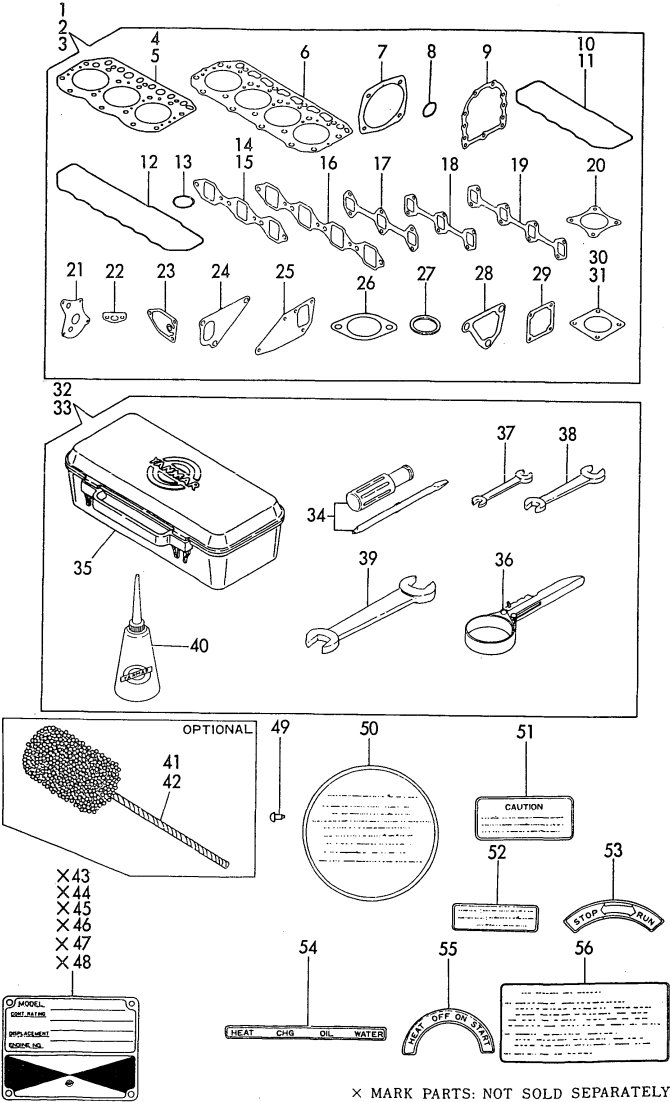
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119888-91020	HARNES, WIRE	1	1	1	1	1	1		
2	1	119888-91300	PANEL ASSY	1							
3	1	119888-91100	PANEL ASSY		1	1	1	1	1		
3- 1	1	119888-91300	PANEL ASSY (C=E/# 00346)			1		1		N	
4	2	124732-77720	LAMP, CHARGING	3	3	3	3	3	3		
5	2	128300-77920	TIMER	1	1	1	1	1	1		
6	2	124559-77971	LAMP, PILOT	1	1	1	1	1	1		
7	2	119888-91030	HARNES, WIRE	1	1	1	1	1	1		
8	2	171082-91100	TACHOMETER	1							
9	2	171080-91100	TACHOMETER		1	1	1	1	1		
9- 1	2	171082-91100	TACHOMETER (C=E/# 00346)			1		1		N	
11	2	124770-91220	COVER	2	2	2	2	2	2		
12	2	121400-91520	ABSORBER	4	4	4	4	4	4		
13	2	121400-91530	SPACER	4	4	4	4	4	4		
14	2	119888-91610	LABEL, CW & OIL LAMP	1	1	1	1	1	1		
15	2	119888-91620	LABEL, KEY SWITCH	1	1	1	1	1	1		
16	2	933110-00100	SWITCH ASSY, STARTER	1	1	1	1	1	1		
18	3	933110-00301	KEY ASSY	1	1	1	1	1	1		
19	1	119888-91140	RETAINER, PANEL	1	1						
19- 1	1	119888-91141	RETAINER, PANEL (A=E/# 04800) (B=E/# 10740)	1	1					N	
20	1	129188-91140	BRACKET			1	1	1	1		
21	1	121400-91140	SHAFT	1	1	1	1	1	1		
21- 1	1	124701-91140	CABLE, L=985 (A=E/# 04600) (B=E/# 10740)	1	1					N	
22	1	119888-91150	BRACKET ASSY	1	1	1	1	1	1		
23	2	119888-91120	SUPPORT	2	2	2	2	2	2		
24	2	119888-91130	BRACKET, PANEL	1	1	1	1	1	1		
25	2	26106-080122	BOLT, M8X 12 PLATED	4	4	4	4	4	4		
26	1	26033-060202	SCREW M 6X 20	4	4	4	4	4	4		
27	1	26106-080122	BOLT, M8X 12 PLATED	2	2	2	2	2	2		
27-1A	1	26106-080122	BOLT, M8X 12 PLATED (A=E/# 04800) (B=E/# 10740)	1	1					K	
27-1B	1	26106-080122	BOLT, M8X 12 PLATED (C=E/XXX) (E=E/XXX)			2		2		Z	
27-1C	1	26106-080162	BOLT, M8X 16 PLATED (D=E/XXX) (F=E/XXX)				2		2	N	
28	1	26366-080002	NUT, M8	1	1	1	1	1	1		
29	1	194180-51640	CLAMP, HARNES (A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX) (F=E/XXX)	1	1	1	1	1	1	W	
30	1	121750-59890	BAND, 140 (A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX)	1	1	1	1	1	1	W	
31	1	124550-77030	COVER, TERMINAL (A=E/# 12347) (B=E/# 11454) (C=E/# 03855) (D=E/# 03712) (E=E/# 01290) (F=E/# 01285)	1	1	1	1	1	1	W	
32	1	22117-050000	WASHER, 5 (B=E/XXX) (D=E/XXX)		2		2		2	W	
33	1	26116-050102	BOLT, M5X 10 PLATED (B=E/XXX) (D=E/XXX)		1		1		1	W	
34	1	26716-050002	NUT, M5		1		1		1	W	

Fig. 33 INSTRUMENT PANEL



Fig.34. GASKET SET(OPTIONAL) & TOOL

Fig. 34 GASKET SET (OPTIONAL) & TOOL

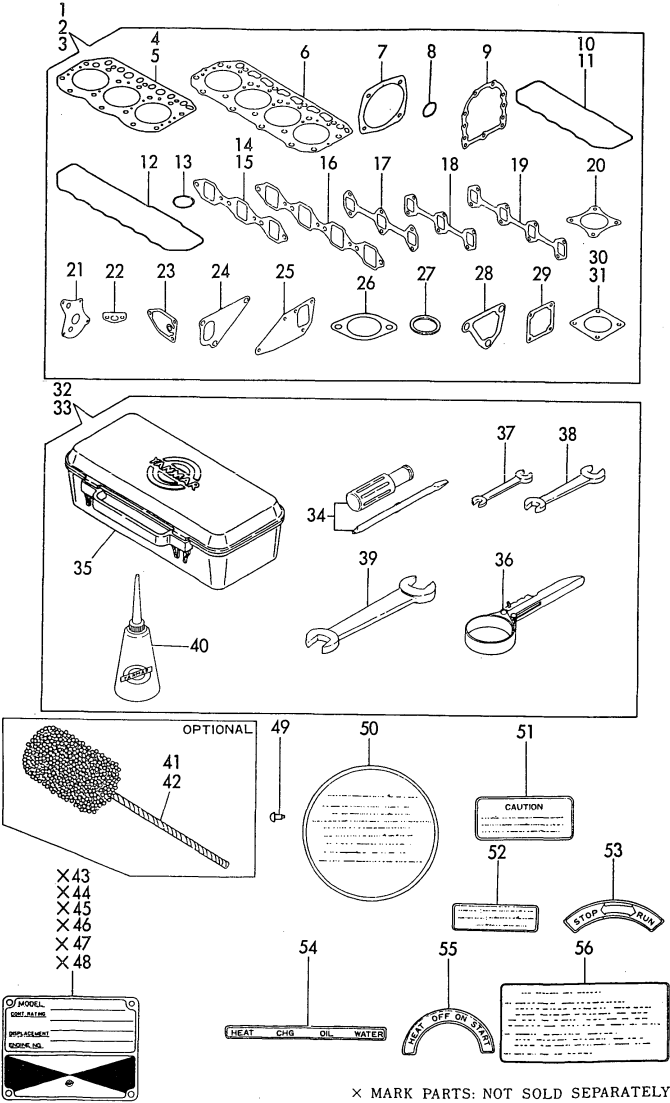


- Remarks
- (1) OPTIONAL PART.
 - (2) RADIATOR
 - (3) FUEL I. PUMP
 - (4) INSTRUMENT PANEL
 - (5) AIR CLEANER

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719888-92600	GASKET SET	1	1						1
1- 1	1	719888-92602	GASKET SET	1	1					N	1
(A=E/# 34177) (B=E/# 34361)											
2	1	729188-92600	GASKET SET			1	1				1
2- 1	1	729188-92602	GASKET SET			1	1			N	1
(C=E/# 11546) (D=E/# 11677)											
3	1	729488-92600	GASKET SET					1	1	N	1
3- 1	1	729488-92602	GASKET SET					1	1	1	
(E=E/# 07933) (F=E/# 09553)											
4	2	119810-01320	GASKET, HEAD T=1.4	1	1						
4- 1	2	119865-01331	GASKET, HEAD T=1.4	1	1					N	
(A=E/# 04449) (B=E/# 39137)											
5	2	129102-01320	GASKET, HEAD T=1.4			1	1				
5- 1	2	129156-01332	GASKET, HEAD			1	1			N	
(C=E/# 03577) (D=E/# 02983)											
6	2	129402-01320	GASKET, HEAD T=1.4					1	1		
6- 1	2	129402-01321	GASKET, HEAD					1	1	N	
(E=E/# 00224) (F=E/# 00570)											
7	2	124240-01882	GASKET	1	1	1	1	1	1		
7- 1	2	124240-01883	GASKET	1	1	1	1	1	1	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX) (F=E/XXX)											
8	2	24311-000320	O-RING, 1AP32.0	1	1	1	1	1	1		
9	2	129150-01660	GASKET	1	1	1	1	1	1		
10	2	119865-11310	GASKET, BONNET	1	1						
11	2	129150-11310	GASKET, BONNET			1	1				
12	2	129550-11310	GASKET, BONNET					1	1		
13	2	121420-01760	O-RING	1	1	1	1	1	1		
13- 1	2	24311-000320	O-RING, 1AP32.0	1	1	1	1	1	1	N	
(A=E/XXX) (B=E/XXX) (C=E/XXX) (D=E/XXX) (E=E/XXX) (F=E/XXX)											
14	2	119810-12110	GASKET, MANIFOLD	1	1						
14- 1	2	119810-12111	GASKET, MANIFOLD	1	1					N	
(A=E/# 34177) (B=E/# 34361)											
15	2	129150-12110	GASKET, MANIFOLD			1	1				
15- 1	2	129150-12111	GASKET, MANIFOLD			1	1			N	
(C=E/# 11546) (D=E/# 11677)											
16	2	129550-12110	GASKET, MANIFOLD					1	1		
16- 1	2	129550-12111	GASKET, MANIFOLD					1	1	N	
(E=E/# 07933) (F=E/# 09553)											
17	2	119810-13110	GASKET	1	1						
18	2	129150-13110	GASKET			1	1				
19	2	129550-13110	GASKET					1	1		
20	2	121000-13200	GASKET, SILENCER	1	1						
20- 1	2	121000-13201	GASKET, SILENCER	1	1					N	
(A=E/# 34177) (B=E/# 34361)											
21	2	129150-32020	GASKET, PUMP	1	1	1	1	1	1		
22	2	129150-35040	GASKET	1	1	1	1	1	1		
22- 1	2	129150-35041	GASKET	1	1	1	1	1	1	N	
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677) (E=E/# 07933) (F=E/# 09553)											
23	2	129150-35110	GASKET	1	1	1	1	1	1		
23- 1	2	129150-35111	GASKET	1	1	1	1	1	1	N	
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677) (E=E/# 07933) (F=E/# 09553)											

Fig.34. GASKET SET(OPTIONAL) & TOOL

Fig.34 GASKET SET (OPTIONAL) & TOOL



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
24	2	129100-42020	GASKET, WATER PUMP			1	1	1	1		
25	2	129150-42020	GASKET, WATER PUMP	1	1						
26	2	129795-49550	GASKET	1	1	1	1	1	1		
26- 1	2	129795-49551	GASKET	1	1	1	1	1	1	N	
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677)				(E=E/# 07933)		(F=E/# 09553)					
27	2	129150-49810	GASKET, THERMOSTAT	1	1	1	1	1	1		
27- 1	2	129150-49811	GASKET, THERMOSTAT	1	1	1	1	1	1	N	
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677)				(E=E/# 07933)		(F=E/# 09553)					
28	2	129100-49840	GASKET			1	1	1	1		
29	2	129150-77510	GASKET	1	1	1	1	1	1		
29- 1	2	129150-77511	GASKET	1	1	1	1	1	1	N	
(A=E/# 34177) (B=E/# 34361) (C=E/# 11546) (D=E/# 11677)				(E=E/# 07933)		(F=E/# 09553)					
30	2	124701-11910	GASKET, SILENCER			1	1				
30- 1	2	124701-11911	GASKET, SILENCER			1	1			N	
(C=E/# 11546) (D=E/# 11677)											
31	2	129400-13200	GASKET, SILENCER							1	1
31- 1	2	129400-13201	GASKET, SILENCER							1	1
				(E=E/# 07933)		(F=E/# 09553)					
32	1	719888-92750	BOX ASSY, TOOL	1		1		1			
32- 1	1	171001-93100	BOX, TOOL	1		1		1		N	
(A=E/# 05228) (C=E/# 00621)				(E=E/# 00254)							
33	1	171001-93100	BOX, TOOL		1		1		1		
34	2	104200-92350	DRIVER, SCREW	1	1	1	1	1	1		
35	2	104200-92600	BOX, TOOL	1	1	1	1	1	1		
36	2	127610-92750	WRENCH, FILTER	1		1		1			
37	2	28110-100120	SPANNER, 10X12	1	1	1	1	1	1		
38	2	28110-140170	SPANNER, 14X17	1	1	1	1	1	1		
39	2	28110-190220	SPANNER, 19X22	1	1	1	1	1	1		
40	2	28210-000140	OILER	1	1	1	1	1	1		
41	1	129400-92410	FLEX HORN	1	1						1
42	1	129400-92420	FLEX HORN			1	1	1	1		1
49	1	102210-07990	RIVET	4	4	4	4	4	4		
50	1	124764-44800	LABEL, RADIATOR	1	1	1	1	1	1		2
50- 1	1	124764-44800	LABEL, RADIATOR				1		1	Z	
(D=EXXX) (F=EXXX)											
51	1	124764-44920	LABEL, ANTI-FREEZING	1	1	1	1	1	1		2
51- 1	1	124764-44920	LABEL, ANTI-FREEZING				1		1	Z	
(D=EXXX) (F=EXXX)											
52	1	129156-51910	LABEL, CAUTION	1	1	1	1	1	1		3
53	1	119888-66140	LABEL, INSTRUCTION	1	1	1	1	1	1		
53- 1	1	170064-67210	LABEL, HANDLE	1	1	1	1	1	1	N	
(A=EXXX) (B=EXXX) (C=EXXX) (D=EXXX) (E=EXXX) (F=EXXX)											
54	1	119888-91610	LABEL, CW & OIL LAMP	1	1	1	1	1	1		4
55	1	119888-91620	LABEL, KEY SWITCH	1	1	1	1	1	1		4
56	1	124764-12600	LABEL, AIR-CLEANER	1	1	1	1	1	1		5
56- 1	1	129136-12600	LABEL, AIR CLEANER	1	1	1	1	1	1	N	
(A=E/# 32336) (B=E/# 32145) (C=E/# 10865) (D=E/# 11107) (E=E/# 07309) (F=E/# 09553)											

Remarks
(1) OPTIONAL PART.
(2) RADIATOR
(3) FUEL I. PUMP
(4) INSTRUMENT PANEL
(5) AIR CLEANER

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