

OCR10-M57702EN

P R E F A C E

1.This parts catalog is a third edition of the 6SY-STP, 6SY655, 6SY-STP2, 6SY650, 6SY720, 6SY750 Diesel engine.

	Parts catalog No.	Date of issue	Remarks
Third edition	OCR10-G57702	Mar.,2009	

2.This parts catalog dose not contain the technical data needed for maintenance service.

3.The illustrations used in this parts catalog have been simplified for clarity.

4.The contents of this parts catalog are subject to change without notice.

5.Be sure to use only Yanmar genuine parts for repairs. If imitation parts are used, it may cause engine defects.

Directions for the Parts Catalog.

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

OCF10-G21601		29. FUEL INJECTION PUMP(W/BOOST)									
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4		K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4	2	129470-51040	CAMSHAFT	1	1	1	1	1			
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2			
6	2	129470-51060	RETAINER	1	1	1	1	1			

Remarks

(1) BOOST 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 Mark

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks Mark

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

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

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5. CYLINDER BLOCK(E6517584-)
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7. CASING
8. FLYWHEEL HOUSING
9. CRANKCASE VENTILATION(-E6513142)
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16. OIL FILTER (RH)
17. OIL PUMP
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Fig. No. Fig. Name

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41. POWER TAKE-OFF
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44. PROTECTIVE CASING(BELT
45. PROTECTIVE CASING(OPTION)
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- 54. BELT TRANSMISSION,ALT LOW(E6518895-)
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- 60. COOLANT PUMP,MOUNTING
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- 72. AUX HEATER, 500/1500W (OPTION)(E6519499-)
- 73. UNIT INJECTOR
- 74. FEED PUMP

Fig. No. Fig. Name

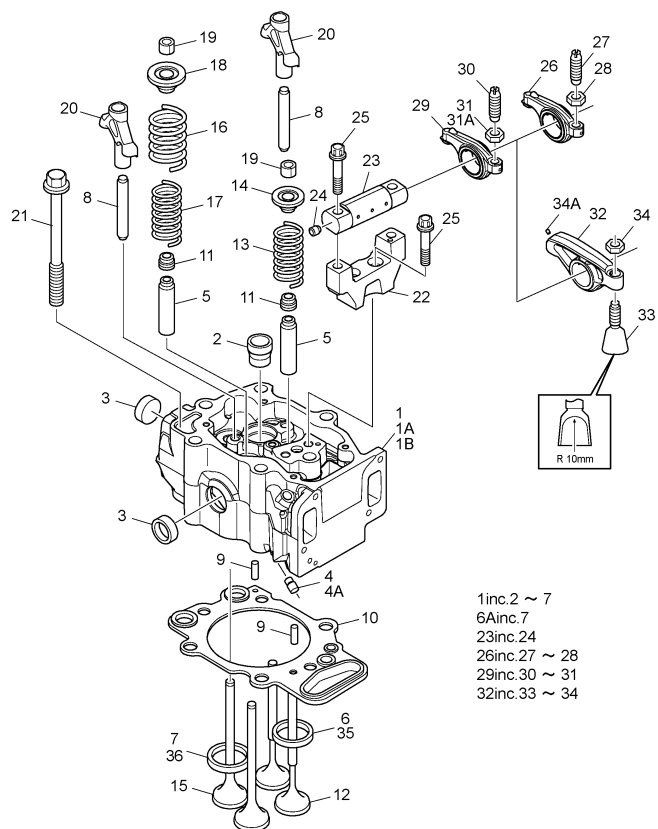
- 75. FO FILTER
- 76. WATER SEPARATER
- 77. FO FILTER,PREFILTER(PREFILTER)
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- 79. FUEL MANIFOLD,LH(E6510529-6511717)
- 80. FUEL MANIFOLD,LH(E6511718-)
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- 82. FUEL MANIFOLD,RH(E6510529-)
- 83. HYD PUMP 16L (OPTION)
- 84. HYD PUMP 22L (OPTION)
- 85. HYD PUMP MOUNTING (OPTION)
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- 88. ALTERNATOR
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- 92. CONNECTION CABLE (OPTION)
- 93. MIXING ELBOW, EXHAUST(OPTION)
- 94. ELECTRONIC CONTROL UNIT
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Fig.1. CYLINDER HEAD



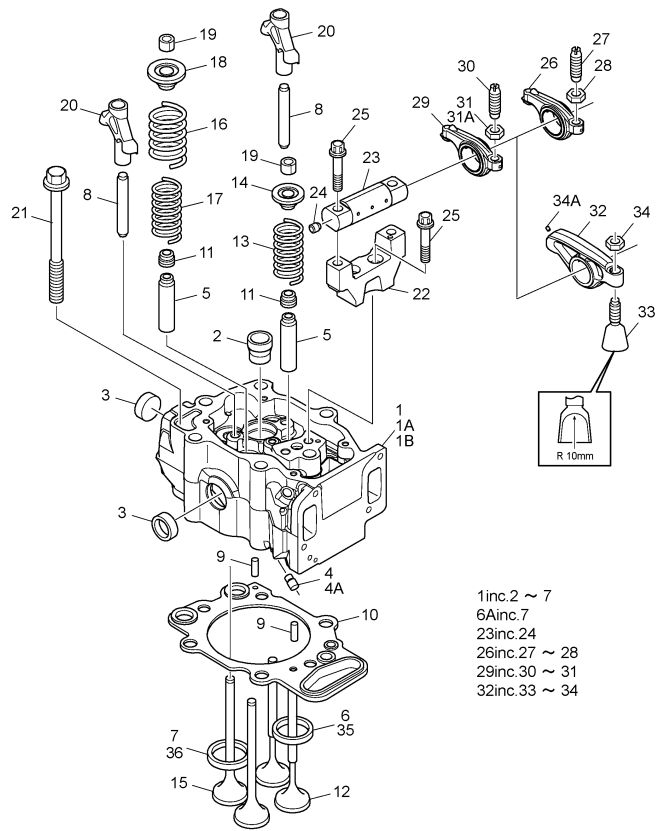
1inc.2 ~ 7
6Ainc.7
23inc.24
26inc.27 ~ 28
29inc.30 ~ 31
32inc.33 ~ 34

130396

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2					(D)=6SY650 (E)=6SY720 (F)=6SY750				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R		
1	1	165000-49030	HEAD, CYLINDER	6	6								
1-1	1	165000-73700	HEAD, CYLINDER (B=E6513412)		6	6				N	3		
1-2	1	165001-30740	HEAD, CYLINDER (B=E6518255) (C=E6518188)		6	6				N			
1A	1	165000-72760	HEAD, CYLINDER (B=E6513143) (C=E6513591)		6	6					3		
1A-1	1	165001-26200	HEAD, CYLINDER (B=E6516171) (C=E6516141)		6	6							
1B	1	165001-36050	HEAD, CYLINDER				6	6	6				
2	2	165000-28230	SLEEVE	6	6	6	6	6	6				
3	2	165000-30890	PLUG(CORE, 36MM)	12	12	12	12	12	12				
4	2	165000-30830	PLUG	12	12	12							
4A	2	165001-36060	RIVET				12	12	12				
5	2	165000-35000	GUIDE, VALVE	24	24	24	24	24	24				
6	2	165000-35290	VALVE SEAT INT STD	12	12	12	12	12	12		1		
6-1	2	165001-30750	VALVE SEAT INT STD (B=E6516171) (C=E6516230)		12	12				N	1		
7	2	165000-35310	VALVE SEAT EXH STD	12	12	12					2		
7-1	2	165001-26210	VALVE SEAT EXH STD (B=E6516171) (C=E6516141)		12	12	12	12	12	12	N 3		
8	1	165000-30490	PIN	12	12	12							
8-1	1	165001-30770	PIN (B=E6517040) (C=E6517029)		12	12	12	12	12	12	N		
9	1	165000-30520	PIN 8X20	12	12	12	12	12	12				
10	1	165000-25510	GASKET	6	6	6	6	6	6				
11	1	165000-27760	SEAL	24	24	24	24	24	24				
12	1	165000-30290	VALVE	12	12	12					1		
12-1	1	165001-04890	VALVE, INTAKE (B=E6515927) (C=E6514596)		12	12	12	12	12	12	N 3		
13-1	1	165000-53110	SPRING, VALVE	12	12	12	12	12	12	12	1		
14	1	165000-25920	COLLAR, SPRING INT	12	12	12	12	12	12	12	1		
15	1	165000-30310	VALVE, EXHAUST	12	12	12					2		
15-1	1	165001-26230	VALVE, EXHAUST (B=E6515927) (C=E6514870)		12	12	12	12	12	12	N 3		
16-1	1	165000-53120	SPRING, VALVE	12	12	12	12	12	12	12	N 2		
17-1	1	165000-53130	SPRING, VALVE	12	12	12	12	12	12	12	N 2		
18	1	165000-25930	COLLAR, SPRING EXH	12	12	12	12	12	12	12	2		
19	1	165000-28570	COLLET	48	48	48	48	48	48				
20	1	165000-48830	BRIDGE, VALVE	12	12								
20-1	1	165000-72770	BRIDGE, VALVE (A=E6513073) (B=E6513143)	12	12	12				N	3		
20-2	1	165001-26240	BRIDGE, VALVE (B=E6516171) (C=E6516141)		12	12				N			
20-3	1	165001-30780	BRIDGE, VALVE (B=E6518255) (C=E6518188)		12	12	12	12	12	N			
21	1	165000-26670	SCREW	36	36	36				36			
21-1	1	165001-30790	SCREW (B=E6518255) (C=E6518188)		36	36	36	36	36	N			
22	1	165000-31200	BRACKET, BEARING	6	6	6	6	6	6				
23	1	165000-49510	SHAFT	6	6	6	6	6	6				

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 ++
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Fig.1. CYLINDER HEAD



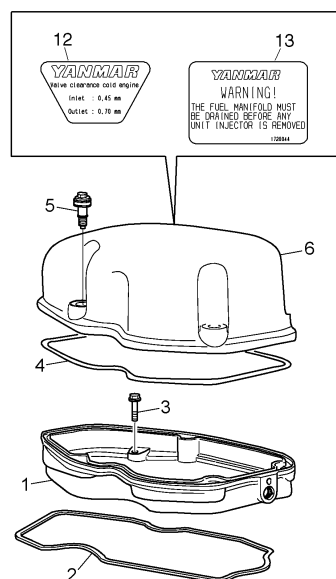
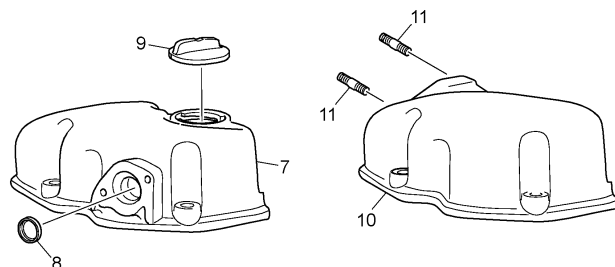
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Remarks
(1) INTAKE
(2) EXHAUST
(3)ADDITIONAL EXECUTION EN-NO.
REF.1-1 (E6513143,E6513423)
REF.1A-1,20-1
(E6513412,E6513423,E6513530)
REF.7-1 (E6513412,E6513530)
REF.12-1,15-1
(E6513143,E6513412,E6513412~E6513535)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
24	2	165000-30830	PLUG, RIVET	6	6	6	6	6	6		
25	1	165000-26850	SCREW, TIGHT-FIT	12	12	12	12	12	12		
26	1	165000-32780	ARM, ROCKER INTAKE	6	6	6	6	6	6		1
27	2	165000-27500	SCREW, ADJUSTING M10	6	6	6	6	6	6		
28	2	165000-28880	NUT, HEXAGON M10	6	6	6	6	6	6		
29	1	165000-32790	ARM, ROCKER EXHAUST	6	6	6	6	6	6		2
30	2	165000-27500	SCREW, ADJUSTING M10	6	6	6	6	6	6		
31	2	165000-28890	NUT, HEXAGON M10	6	6	6					
31A	2	165000-28880	NUT, HEXAGON M10				6	6	6		
32	1	165000-48780	ARM, ROCKER INJECTOR	6	6	6	6	6	6		
33	2	165000-49410	SCREW, ADJUSTING	6	6	6					
33-1	2	165001-30800	SCREW, ADJUSTING		6	6	6	6	6	N	
(B=E6518255) (C=E6518188)											
34	2	165000-28940	NUT, HEXAGON M12	6	6	6	6	6	6		
34A	2	165001-36070	PLUG, RIVET				6	6	6		
35	1	165000-35300	VALVE SEAT INT OSZ	12	12	12	12	12	12		1
35-1	1	165001-30760	VALVE SEAT INT OSZ		12	12	12	12	12	N	1
(B=E6516171) (C=E6516230)											
36	1	165000-35320	VALVE SEAT EXH OSZ	12	12	12					2
36-1	1	165001-26220	VALVE SEAT EXH OSZ		12	12	12	12	12	N	2
(B=E6516171) (C=E6516141)											



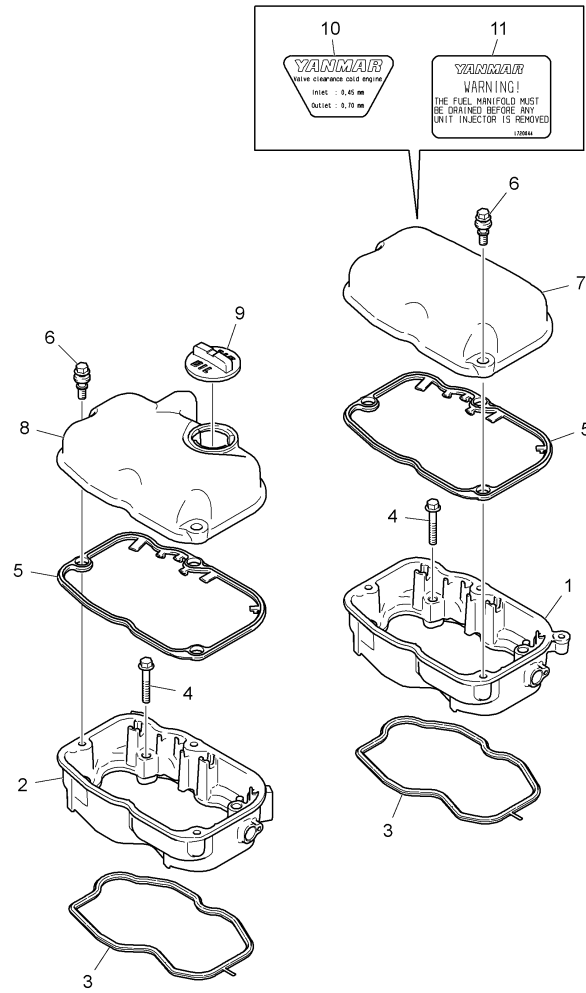
10inc.11

Remarks
6SY-655 (~E6513234)
6SY-STP2 (~E6514206)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-25870	COVER, ROCKER LO	6	6	6					
2	1	165000-49000	GASKET, ROCKER COVER	6	6	6					
3	1	165000-27360	SCREW, M8X30	24	24	24					
4	1	165000-25120	GASKET, ROCKER COVER	6	6	6					
5	1	165000-27510	SCREW, FLANGE	30	30	30					
6	1	165000-25890	COVER, ROCKER UP	4	4	4					
7	1	165000-34290	COVER, ROCKER	1	1	1					
8	1	165000-30880	PLUG, CORE 25MM	1	1	1					
9	1	165000-26120	CAP, FILLER	1	1	1					
10	1	165000-34280	COVER, ROCKER	1	1	1					
10-1	1	165000-91060	COVER, ROCKER	1	1	1					N
		(B=E6513873)	(C=E6513873)								
11	2	165000-37320	STUD	2	2	2					
12	1	165000-49240	PLATE	1	1	1					
13	1	165000-49330	PLATE, WARNING	1	1	1					W

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

Fig.3. ROCKER COVER



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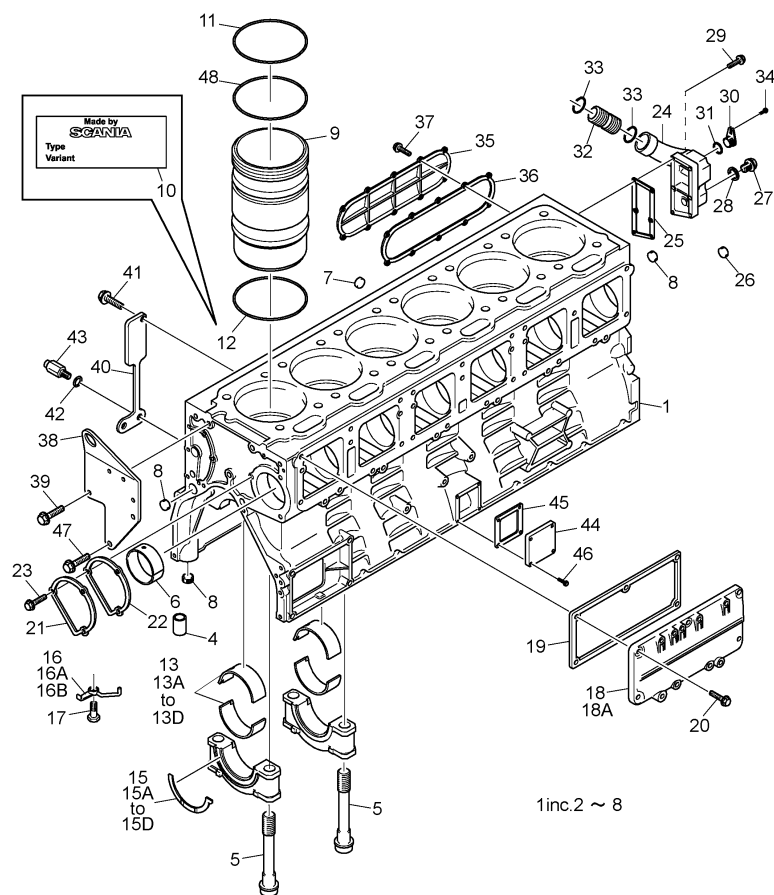
Remarks
6SY-655 (E6513412~)
6SY-STP2 (E6514209~)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-51040	COVER, ROCKER		5	5	5	5	5		
2	1	165000-93430	COVER, ROCKER		1	1	1	1	1		
3	1	165000-50560	GASKET		6	6	6	6	6		
4	1	165000-27410	SCREW, M8X50		24	24	24	24	24		
5	1	165000-50570	GASKET		6	6	6	6	6		
6	1	165000-27510	SCREW, FLANGE		18	18	18	18	18		
7	1	165000-51050	COVER, ROCKER		5	5	5	5	5		
8	1	165000-51060	COVER, ROCKER		1	1	1	1	1		
9	1	165000-26120	CAP, FILLER		1	1	1	1	1		
10	1	165000-49240	PLATE		1	1	1	1	1		
11	1	165000-49330	PLATE, WARNING		1	1	1	1	1		

Fig.4. CYLINDER BLOCK(-E6517583)



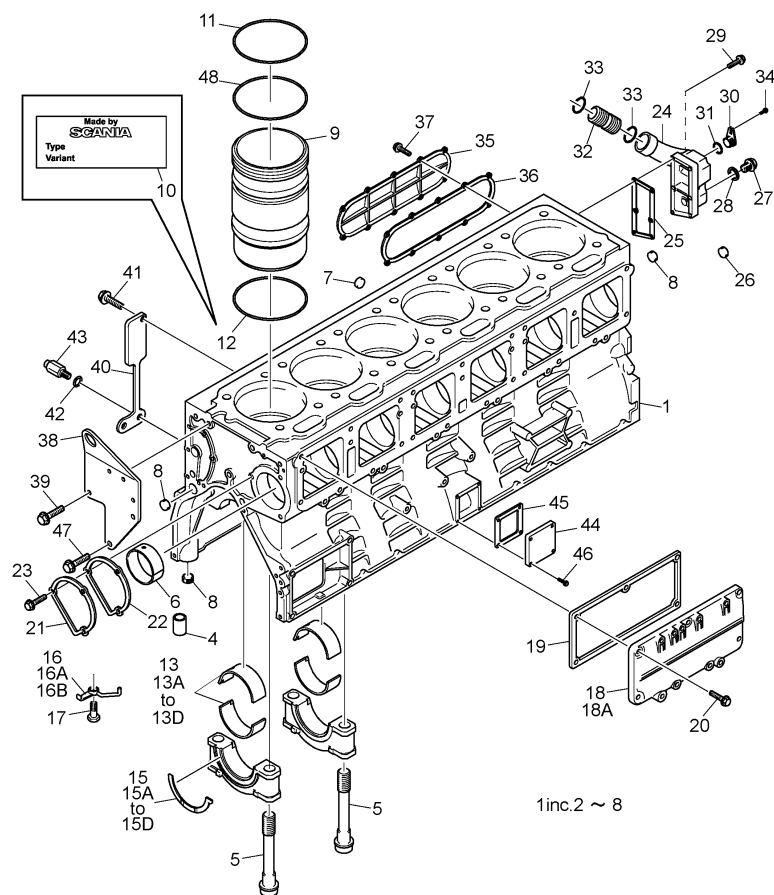
132198

Remarks
(1)UNDER SIZE METAL
(2)OVER SIZE METAL

No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33600	BLOCK, CYLINDER	1	1	1					
1-1	1	165000-72780	BLOCK, CYLINDER	1	1	1				N	
1-2	1	165000-90010	BLOCK, CYLINDER	1	1	1				N	
1-3	1	(A=E6515259) 165001-30850 (B=E6516123) (C=E6516123)	BLOCK, CYLINDER		1	1	1	1	1	1	S
4	2	165000-34990	GUIDE	14	14	14	14	14	14		
5	2	165000-36800	SCREW	14	14	14					
5-1	2	165001-04900	BOLT, 18X190	14	14	14	14	14	14	14	N
6	2	(A=E6513633) 165000-33800 (B=E6513633) (C=E6513633)	BUSH, BEARING	7	7	7	7	7	7	7	
7	2	165000-30890	PLUG, CORE,36MM	2	2	2	2	2	2	2	
8	2	165000-30860	PLUG, CORE,21MM	6	6	6	6	6	6	6	
9	1	165000-32530	LINER ,CYLINDER	6	6	6					
9-1	1	165001-39300	CYLINDER LINER	6	6	6					N
9-2	1	(A=E6515259) 165001-39250 (B=E6516123) (C=E6516123)	CYLINDER LINER		6	6					S
9-3	1	165001-36080	CYLINDER LINER				6	6	6		
10	1	165000-31500	PLATE	1	1	1					
10-1	1	165001-30860	PLATE	1	1	1	1	1	1	1	N
11	1	(A=E6515259) 165000-24510 (B=E6515259) (C=E6515259)	O-RING	6	6	6					
11-1	1	165001-31250	O-RING	6	6	6					N
11-2	1	(A=E6515259) 165001-26530 (B=E6516123) (C=E6516123)	O-RING		6	6	6	6	6	6	S
12	1	165000-24540	O-RING	6	6	6	6	6	6	6	
13	1	165000-49520	BEARING, MAIN STD	7	7	7					
13-1	1	165000-73710	BEARING, MAIN STD	7	7	7	7	7	7	7	
13A	1	(A=E****) 165000-93490 (B=E****) (C=E****)	BEARING, MAIN US.25	7	7	7					1
13A-1	1	165000-93440	BEARING, MAIN US.25	7	7	7					N 1
13A-2	1	(A=E****) 165001-26250 (B=E****) (C=E****)	BEARING, MAIN US.25	7	7	7	7	7	7	7	N 1
13B	1	(A=E6515259) 165000-33500 (B=E6515259) (C=E6515259)	BEARING, MAIN US.50	7	7	7					1
13B-1	1	165000-93450	BEARING, MAIN US.50	7	7	7					N 1
13B-2	1	(A=E6515259) 165000-93440 (B=E6515259) (C=E6515259)	BEARING, MAIN US.50	7	7	7	7	7	7	7	N 1
13C	1	165000-33510	BEARING, MAIN US.75	7	7	7					1
13C-1	1	165000-93450	BEARING, MAIN US.75	7	7	7	7	7	7	7	N 1
13D	1	(A=E6515259) 165000-33520 (B=E6515259) (C=E6515259)	BEARING, MAIN US 1	7	7	7					1
13D-1	1	165001-26260	BEARING, MAIN US 1	7	7	7	7	7	7	7	N 1
15	1	(A=E6515259) 165000-28200 (B=E6515259) (C=E6515259)	BEARING,(THRUST STD	2	2	2	2	2	2	2	2
15A	1	165000-33540	BEARING,(THRUST 0.16	2	2	2	2	2	2	2	2

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
 ++ CONTINUE ++
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Fig.4. CYLINDER BLOCK(-E6517583)



132198

Remarks
(1)UNDER SIZE METAL
(2)OVER SIZE METAL

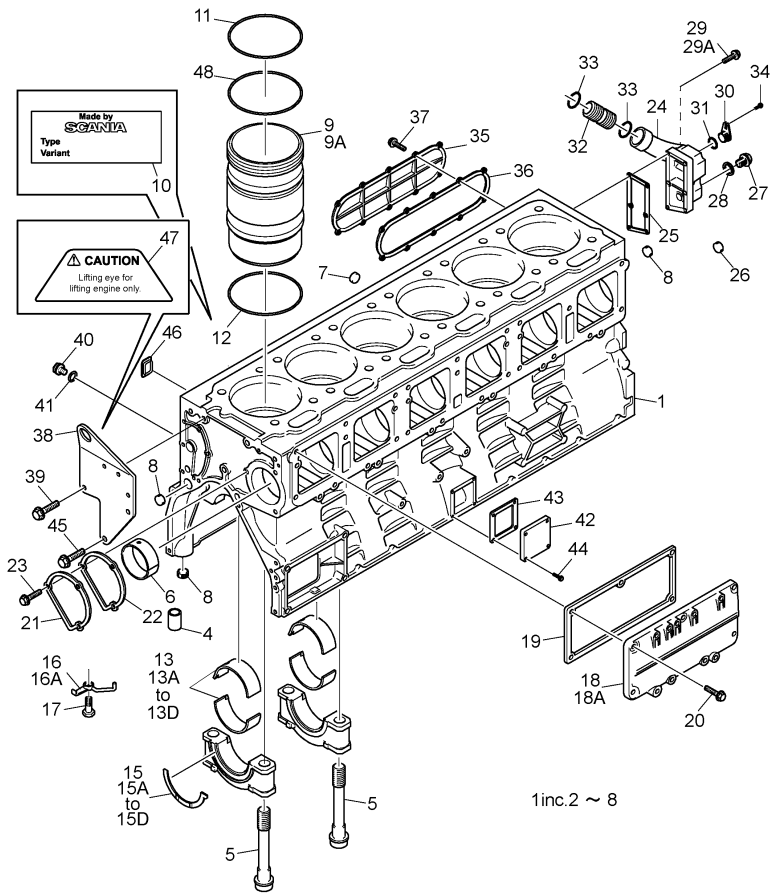
				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2					(D)=6SY650 (E)=6SY720 (F)=6SY750		
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
15D	1	165000-33570	BEARING,(THRUST 1.02	2	2	2	2	2	2		2
16	1	165000-35520	NOZZLE	6	6	6					
16A	1	165001-26550	NOZZLE		6	6					N
(B=E6516123) (C=E6516123)											
16B	1	165001-36090	NOZZLE				6	6	6		N
17	1	165000-26860	SCREW 10,(BANJO	6	6	6					
17-1	1	165001-26560	SCREW 10,(BANJO		6	6	6	6	6	6	N
(B=E6516123) (C=E6516123)											
18	1	165000-34300	COVER,(SIDE OUTER	2	2	2	2	2	2		
18A	1	165000-34310	COVER,(SIDE CENTRAL	1	1	1					N
(B=E6516123) (C=E6516123)											
18A-1	1	165001-30870	COVER, SIDE		1	1	1	1	1	1	N
(B=E6515259) (C=E6515259)											
19	1	165000-34780	GASKET	2	2	2	2	2	2	2	K
20	1	165000-36990	SCREW,(FLANGE	21	21	21	21	21	21		
21	1	165000-34200	COVER	1	1	1	1	1	1		
22	1	165000-34730	GASKET	1	1	1	1	1	1		
23	1	165000-27300	SCREW,(M8X20	3	3	3	3	3	3		
24	1	165000-35950	FLANGE PIPE	1	1	1	1	1	1		
25	1	165000-34710	GASKET	1	1	1	1	1	1		
26	1	165000-36210	PLUG,(CORE	1	1	1	1	1	1		
27	1	165000-30940	PLUG, M22X1.5X9	1	1	1					
28	1	165000-27920	RING, SEALING	1	1	1	1	1	1		
29	1	165000-27300	SCREW, M8X20	6	6	6					
29-1	1	165000-27410	SCREW, M8X50				6	6	6		
30	1	165000-30780	PLUG	1	1	1	1	1	1		
31	1	165000-24520	RING, 11.3X2.4	1	1	1	1	1	1		
32	1	165000-35710	PIPE	1	1	1	1	1	1		
33	1	165000-35610	O-RING, 49,2X5,7	2	2	2	2	2	2		
34	1	165000-27230	SCREW, M6X16	1	1	1	1	1	1		
35	1	165000-25830	COVER	1	1	1					
35-1	1	165000-53150	COVER	1	1	1	1	1	1	1	N
(A=E6515259) (B=E6515259) (C=E6515259)											
36	1	165000-25460	GASKET	1	1	1	1	1	1		
37	1	165000-27400	SCREW, M8X40	10	10	10	10	10	10		
38	1	165000-34430	EYE, LIFTING	1	1	1	1	1	1		
39	1	165000-37010	SCREW, FLANGE	3	3	3					
39-1	1	165001-30880	SCREW, FLANGE	3	3	3	3	3	3	3	N
(A=E6515259) (B=E6515259) (C=E6515259)											
40	1	165000-34550	FLANGE	1	1	1	1	1	1		
41	1	165000-27290	SCREW, M8X20	2	2	2					
41-1	1	165000-27300	SCREW, M8X20	2	2	2	2	2	2	2	N
(A=E6515259) (B=E6515259) (C=E6515259)											
42	1	165000-35600	O-RING, 19.2X3	1	1		1	1	1		
43	1	165000-37390	TAP, DRAIN	1	1	1	1	1	1		
44	1	165000-34230	COVER	1	1	1	1	1	1	1	N
45	1	165000-25320	GASKET	1	1	1	1	1	1		
46	1	165000-27300	SCREW, M8X20	4	4	4	4	4	4		
47	1	165000-27080	HEXAGON SCREW,M12X35		1	1	1	1	1	1	N
(B=E6515260) (C=E6515260)											
48	1	165001-36100	RING				6	6	6	6	N

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

Fig.5. CYLINDER BLOCK(E6517584-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

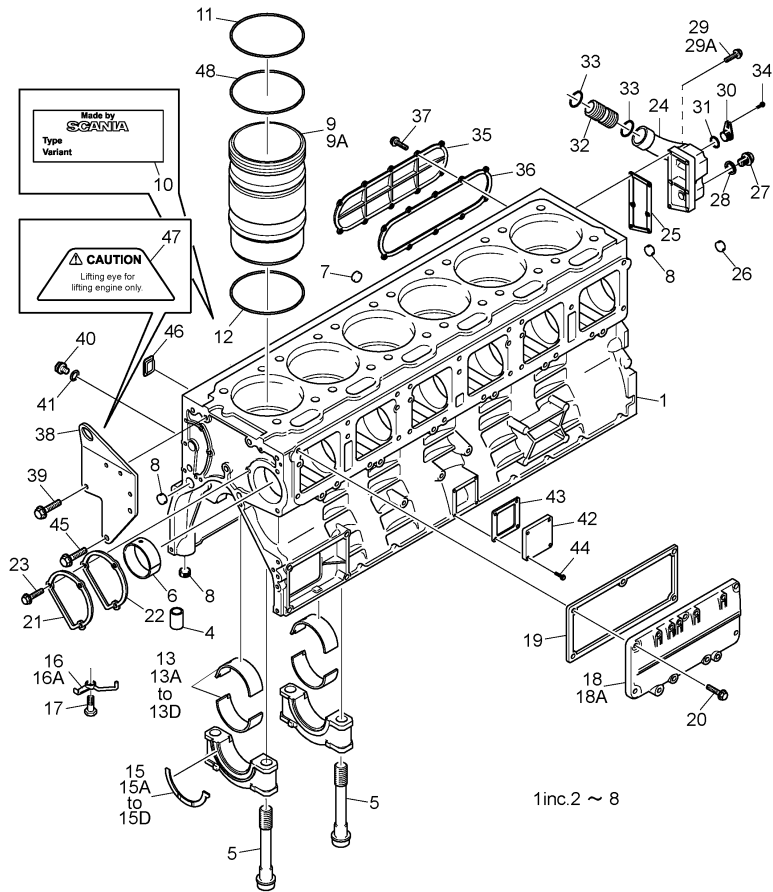
(D)=6SY650
(E)=6SY720
(F)=6SY750



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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-30850	BLOCK, CYLINDER		1	1	1	1	1		
1-1	1	165001-44260	BLOCK, CYLINDER		1	1	1	1	1	N	
		(B=E6519871)	(C=E6519871)	(D=E6519871)	(E=E6519871)			(F=E6519871)			
4	2	165000-34990	GUIDE		14	14	14	14	14		
4-1	2	165001-44270	GUIDE		14	14	14	14	14	N	
		(B=E6519871)	(C=E6519871)	(D=E6519871)	(E=E6519871)			(F=E6519871)			
5	2	165001-04900	BOLT, 18X190		14	14	14	14	14		
5-1	2	165001-44280	BOLT, 18X190		14	14	14	14	14	N	
		(B=E6519871)	(C=E6519871)	(D=E6519871)	(E=E6519871)			(F=E6519871)			
6	2	165000-33800	BUSH, BEARING		7	7	7	7	7		
7	2	165000-30890	PLUG, CORE 36MM		2	2	2	2	2		
8	2	165000-30860	PLUG, CORE 21MM		6	6	6	6	6		
9	1	165001-39250	LINER, CYLINDER		6	6					
9A	1	165001-36080	LINER, CYLINDER				6	6	6		
10	1	165001-30860	PLATE		1	1	1	1	1		
11	1	165001-26530	O-RING		6	6	6	6	6		
12	1	165001-26540	O-RING		6	6	6	6	6		
13	1	165000-73710	BEARING, MAIN STD		7	7	7	7	7		
13A	1	165001-26250	BEARING, MAIN US.25		7	7	7	7	7	1	
13B	1	165000-93440	BEARING, MAIN US.50		7	7	7	7	7	1	
13C	1	165000-93450	BEARING, MAIN US.75		7	7	7	7	7	1	
13D	1	165001-26260	BEARING, MAIN US 1		7	7	7	7	7	1	
15	1	165000-28200	BEARING,(THRUST STD		2	2	2	2	2		
15A	1	165000-33540	BEARING,(THRUST 0.16		2	2	2	2	2	2	
15B	1	165000-33550	BEARING,(THRUST 0.26		2	2	2	2	2	2	
15C	1	165000-33560	BEARING,(THRUST 0.52		2	2	2	2	2	2	
15D	1	165000-33570	BEARING,(THRUST 1.02		2	2	2	2	2	2	
16	1	165001-26550	NOZZLE		6	6					
16A	1	165001-36090	NOZZLE				6	6	6		
17	1	165001-26560	SCREW 10,(BANJO		1	1	1	1	1		
18	1	165000-34300	COVER,(SIDE OUTER		2	2	2	2	2		
18A	1	165000-34310	COVER,(SIDE CENTRAL		1	1	1				
18A-1	1	165001-30870	COVER,(SIDE CENTRAL		1	1	1	1	1	N	
		(B=E6518255)	(C=E6518188)								
19	1	165000-34780	GASKET		2	2	2	2	2		
20	1	165000-36990	SCREW, FLANGE		21	21	21	21	21		
21	1	165000-34200	COVER		1	1	1	1	1		
22	1	165000-34730	GASKET		1	1	1	1	1		
23	1	165000-27300	SCREW, M8X20		3	3	3	3	3		
24	1	165000-35950	PIPE, FLANGE		1	1	1	1	1		
25	1	165000-34710	GASKET		1	1	1	1	1		
26	1	165000-36210	PLUG, CORE		1	1	1	1	1		
27	1	165000-37750	UNION, STRAIGHT		1	1	1	1	1		
28	1	165000-27920	RING, SEALING		1	1	1	1	1		
29	1	165000-27300	SCREW, M6X16		6	6					
29A	1	165000-27410	SCREW, M8X50				6	6	6		
30	1	165000-30780	PLUG		1	1	1	1	1		
31	1	165000-24520	O-RING, 11.3X2.4		1	1	1	1	1		
32	1	165000-35710	PIPE		1	1	1	1	1		
33	1	165000-35610	O-RING, 49,2X5,7		2	2	2	2	2		
34	1	165000-27230	SCREW, M6X16		1	1	1	1	1		

Fig.5. CYLINDER BLOCK(E6517584-)



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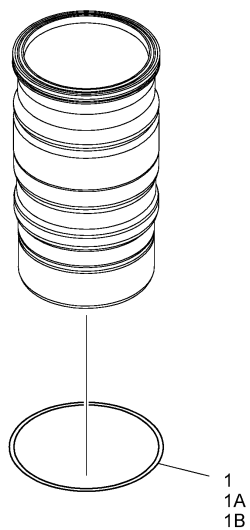
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
35	1	165000-53150	COVER		1	1	1	1	1		
36	1	165000-25460	GASKET		1	1	1	1	1		
37	1	165000-27400	SCREW, M8X40		10	10	10	10	10		
38	1	165000-34430	EYE, LIFTING		1	1	1	1	1		
39	1	165001-30880	SCREW, FLANGE 12X30		3	3	3	3	3		
40	1	165000-27270	SCREW, M8X12		1	1	1	1	1		
41	1	165000-27750	SEAL		1	1	1	1	1		
42	1	165000-34230	COVER		1	1	1	1	1		
43	1	165000-25320	GASKET		1	1	1	1	1		
44	1	165000-27300	SCREW, M8X20		4	4	4	4	4		
45	1	165000-27080	SCREW, M12X35		4	4	4	4	4		
46	1	165001-44290	COVER		1	1	1	1	1		
47	1	165001-44300	WARNING PLATE		1	1	1	1	1		
48	1	165001-36100	RING, SEALING				6	6	6		
(D=E6519871)					(E=E6519871)			(F=E6519871)			

Remarks
(1)UNDER SIZE METAL
(2)OVER SIZE METAL

Fig.6. SHIM



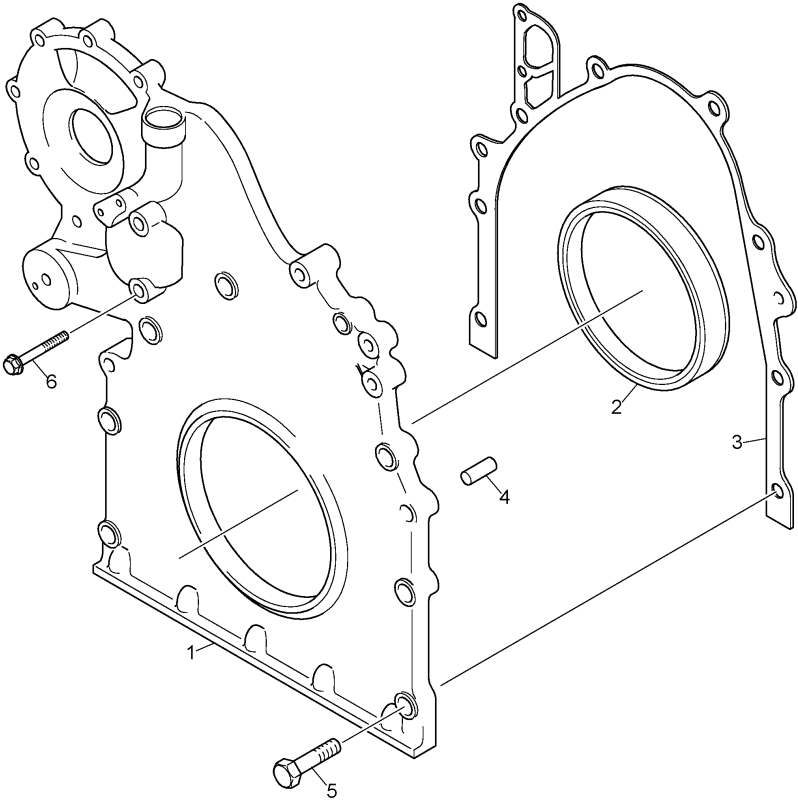
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				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2	(D)=6SY650 (E)=6SY720 (F)=6SY750							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	165000-49570	SHIM, TH 0.2	1	1	1	1	1	1		1	
1A	1	165000-49580	SHIM, TH 0.3	1	1	1	1	1	1		1	
1B	1	165000-49590	SHIM, TH 0.4	1	1	1	1	1	1		1	

Remarks
(1) REQUIRE

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33900	CASE	1	1	1	1	1	1		
2	1	165000-27900	SEAL, SHAFT	1	1	1	1	1	1		
3	1	165000-34790	GASKET	1	1	1	1	1	1		
4	1	165000-30510	PIN, 16X35	2	2	2	2	2	2		
5	1	165000-26990	SCREW, M10X40	8	8	8	8	8	8		
6	1	165000-27430	SCREW, M8X60	2	2	2	2	2	2		



132217

Fig.8. FLYWHEEL HOUSING



(1)NECESSARY FOR HOUSING(FLYWHEEL
(165001-26490,165001-30820)
(2)UNNECESSARY FOR HOUSING(FLYWHEEL
(165001-26490,165001-30820)

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2					(D)=6SY650 (E)=6SY720 (F)=6SY750				
No.	Lev.	Parts No.	Description	Q'ty							I	R	
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	165000-35230	HOUSING, FLYWHEEL	1									
(A=E6513553)													
1-1	1	165000-65060	HOUSING, FLYWHEEL	1	1	1					N		
(A=E6512162) (B=E6514235) (C=E6513530)													
1-2	1	165001-26490	HOUSING, FLYWHEEL		1	1					N		
(B=E6515927) (C=E6514870)													
1-3	1	165001-30820	HOUSING, FLYWHEEL		1	1	1	1	1	1	N		
(B=E6518255) (C=E6519471)													
1A	2	165000-72790	INSEAT, THREAD		8	8	8	8	8				
2	1	165000-25740	COVER	2	2	2							
3	1	165000-25690	COVER	2	2	2							
3-1	1	165001-30830	COVER		1	1	1	1	1	1	N		
(B=E6517507) (C=E6517507)													
4	1	165000-27300	SCREW, M8X20	5	5	5	5	5	5		1		
5	1	165000-34220	COVER	1	1	1					Z 2		
(A=E6516259) (B=E6515927) (C=E6514870)													
6	1	165000-24530	O-RING	1	1	1					Z 2		
(A=E6516259) (B=E6515927) (C=E6514870)													
7	1	165000-27960	RING, SEALING	1	1	1					Z 2		
(A=E6516259) (B=E6515927) (C=E6514870)													
8	1	165000-37350	STUD BOLT	4	4	4					Z 2		
(A=E516259) (B=E6515927) (C=E6514870)													
9	1	165000-35570	NUT, LOCK M10	4	4	4					Z 2		
(A=E6516259) (B=E6515927) (C=E6514870)													
10	1	165000-34420	EYE, LIFTING	2	2	2	2	2	2	2			
11	1	165000-28030	STUD BOLT	12	12	12	12						
11-1	1	165001-27550	STUD BOLT		12	12	12	12	12	12	N		
(B=E6516260) (C=E6516260) (D=E6517507)													
12	1	165000-28910	NUT M10	12	12	12	12						
12-1	1	165000-35570	NUT M10		12	12	12	12	12	12	N		
(B=E6516260) (C=E6516260) (D=E6517507)													
13	1	165000-37900	WASHER	12	12	12					Z		
(A=E*****) (B=E6516675) (C=E6516305)													
13-1	1	165000-37900	WASHER	12							W		
(A=E*****)													
14	1	165000-27050	SCREW, M12X100	9	9	9	9	9	9	9			
15	1	165000-33100	WASHER, 13X28	9	9	9	9	9	9	9			
16	1	165000-30850	PLUG, CORE 21MM	1	1	1							
17	1	165000-32550	LID, FLYWHEEL	1									
17-1	1	165000-65430	COVER	1	1	1	1	1	1	1			
(A=E*****)													
18	2	165000-24450	O-RING	1	1	1	1	1	1	1			
19	1	165000-26930	SCREW, M10X30	2	2	2	2	2	2	2			
20	1	165000-33860	CAP, PROTECTIVE	2	2	2	2	2	2	2			
21	1	165000-26930	SCREW, M10X30	6	6	6	6	6	6	6			
22	1	165000-27890	SEAL	1	1	1							
22-1	1	165001-30840	SEAL		1	1	1	1	1	1	N		
(B=E6517507) (C=E6517507)													
23	1	165000-36180	PLATE, TIMING GEAR	1	1	1	1	1	1	1			
24	1	165000-37350	STUD	10	10	10	10	10	10	10			
25	1	165000-30510	PIN, 16X35	2	2	2	2	2	2	2			

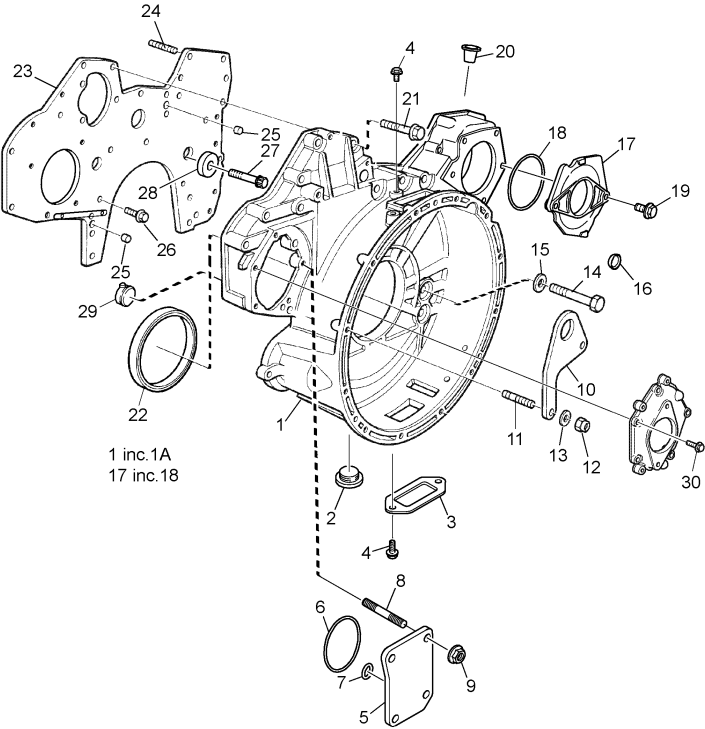
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 ++ CONTINUE ++
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Fig.8. FLYWHEEL HOUSING

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

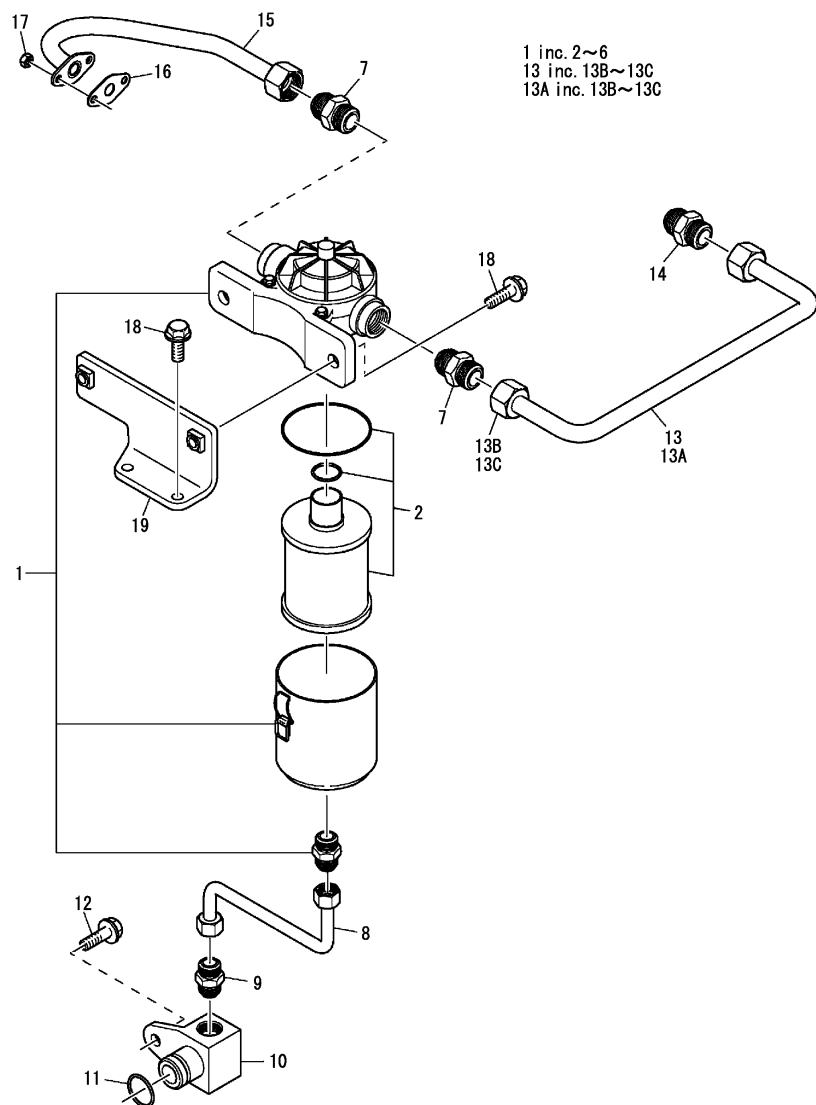
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
26	1	165000-26940	SCREW, M10X30	6	6	6	6	6	6		
27	1	165000-36980	SCREW, M18X80	1	1	1	1	1	1		
28	1	165000-37980	WASHER	1	1	1	1	1	1		
29	1	165000-36200	PLUG	1	1	1	1	1	1		
30	1	165000-27330	SCREW, M8X25	5	5	5	5	5	5		1



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Remarks
(1)NECESSARY FOR HOUSING(FLYWHEEL
(165001-26490,165001-30820)
(2)UNNECESSARY FOR HOUSING(FLYWHEEL
(165001-26490,165001-30820)

Fig.9. CRANKCASE VENTILATION(-E6513142)



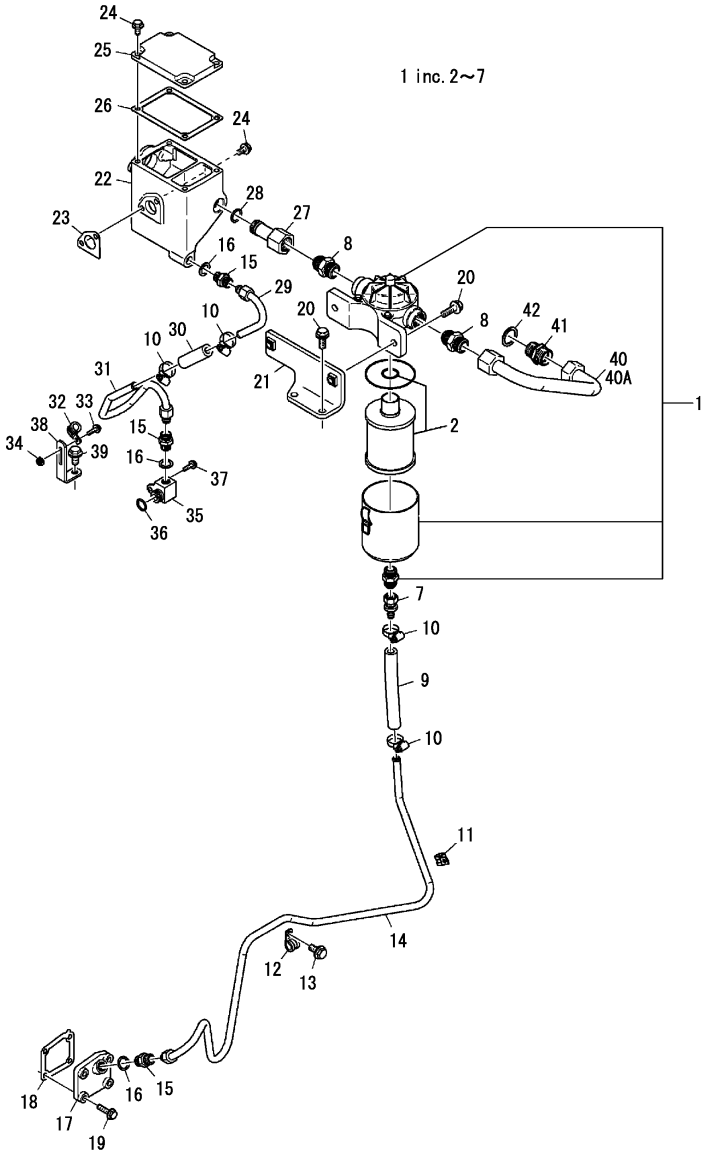
No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-31590	VENTILATION, CRANK	1	1	1					
2	2	165000-50450	FILTER	1	1	1					
7	1	165000-58590	UNION	2	2	2					
8	1	165000-35860	PIPE	1	1	1					
9	1	165000-37780	VALVE, CHECK	1	1	1					
10	1	165000-34600	FLANGE	1	1	1					
11	1	165000-35630	O-RING	1	1	1					
12	1	165000-27230	SCREW	1	1	1					
13	1	165000-35850	PIPE	1							1
13A	1	165000-49120	PIPE	1	1	1					2
13B	2	165000-32500	NUT	1	1	1					
13C	2	165000-26140	FERRULE	1	1	1					
14	1	165000-37760	UNION	1	1	1					
15	1	165000-49130	PIPE	1	1	1					
16	1	165000-34770	GASKET	1	1	1					
17	1	165000-29040	NUT	2	2	2					
18	1	165000-26930	SCREW	4	4	4					
19	1	165000-33760	BRACKET	1	1	1					

Remarks
(1)WATER COOLED TURBINE
(2)AIR COOLED TURBINE

Fig.10. CRANKCASE VENTILATION(E6513143-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

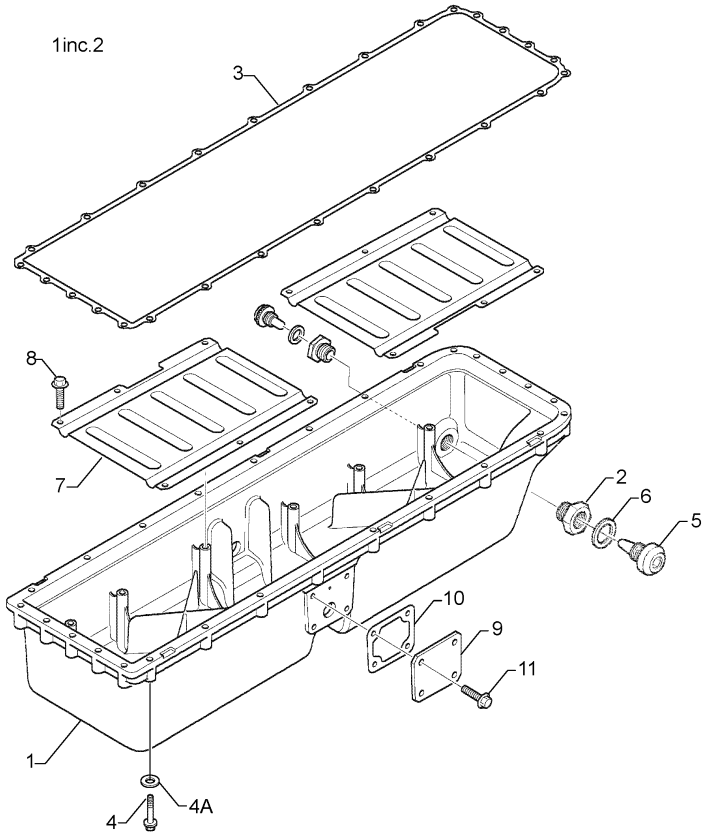
(D)=6SY650
(E)=6SY720
(F)=6SY750



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-31590	VENTILATION, CRANK	1	1	1	1	1	1		
2	2	165000-50450	FILTER	1	1	1	1	1	1		
7	1	165000-90020	UNION	1	1	1	1	1	1		
8	1	165000-58590	UNION	2	2	2	2	2	2		
9	1	165000-90030	HOSE	1	1	1	1	1	1		
10	1	165000-31760	CLIP, HOSE	4	4	4	4	4	4		
11	1	165000-26190	CLAMP	2	2	2	2	2	2		
12	1	165000-90040	CLIP	1	1	1	1	1	1		
13	1	165000-36760	SCREW	1	1	1	1	1	1		
14	1	165000-90050	PIPE	1	1	1	1	1	1		
15	1	165000-37740	UNION, STRAIGHT	3	3	3	3	3	3		
16	1	165000-27780	SEAL	3	3	3	3	3	3		
17	1	165000-29780	PIPE, FLANGE	1	1	1	1	1	1		
18	1	165000-25320	GASKET	1	1	1	1	1	1		
19	1	165000-27360	SCREW, M8X30	8	8	8	8	8	8		
20	1	165000-26930	SCREW, M10X30	4	4	4	4	4	4		
21	1	165000-93460	BRACKET	1	1	1	1	1	1		
22	1	165000-90060	COLLECTOR, OIL			1	1				
22-1	1	165000-93470	COLLECTOR, OIL	1	1	1	1	1	1	N	
(A=E*****) (B=E*****) (C=E*****) (D=E*****) (E=E*****) (F=E*****)											
23	1	165000-90070	GASKET		1	1					
24	1	165000-27300	SCREW, M8X20		6	6					
25	1	165000-90080	COVER		1	1					
25-1	1	165000-93480	COVER	1	1	1	1	1	1	N	
(A=E*****) (B=E*****) (C=E*****) (D=E*****) (E=E*****) (F=E*****)											
26	1	165000-90090	GASKET	1	1	1	1	1	1		
27	1	165000-90100	PIPE	1	1	1	1	1	1		
28	1	165000-35600	O-RING	1	1	1	1	1	1		
29	1	165000-90110	PIPE	1	1	1	1	1	1		
30	1	165000-90120	HOSE	1	1	1	1	1	1		
31	1	165000-90130	PIPE	1	1	1	1	1	1		
32	1	165000-26290	CLAMP, 12MM	1	1	1	1	1	1		
33	1	165000-27240	SCREW, M6X16	1	1	1	1	1	1		
34	1	165000-29010	NUT, FLANGE M6	1	1	1	1	1	1		
35	1	165000-90140	FLANGE	1	1	1	1	1	1		
36	1	165000-35630	O-RING, 16,3X2,4	1	1	1	1	1	1		
37	1	165000-27230	SCREW		1	1					
37-1	1	165001-27150	SCREW, FLANGE	1	1	1	1	1	1	N	
(B=E6518255) (C=E6518188)											
38	1	165000-90150	BRACKET	1	1	1	1	1	1		
39	1	165000-49450	SCREW, M10X22	1	1	1	1	1	1		
40	1	165000-35850	PIPE	1	1	1					1
40A	1	165000-49120	PIPE	1							2
41	1	165000-37760	UNION, STRAIGHT	1	1	1	1	1	1		
42	1	165000-37090	SEAL	1	1	1	1	1	1		

Remarks
(1)WATER COOLED TURBINE
(2)AIR COOLED TURBINE

Fig.11. OIL SUMP

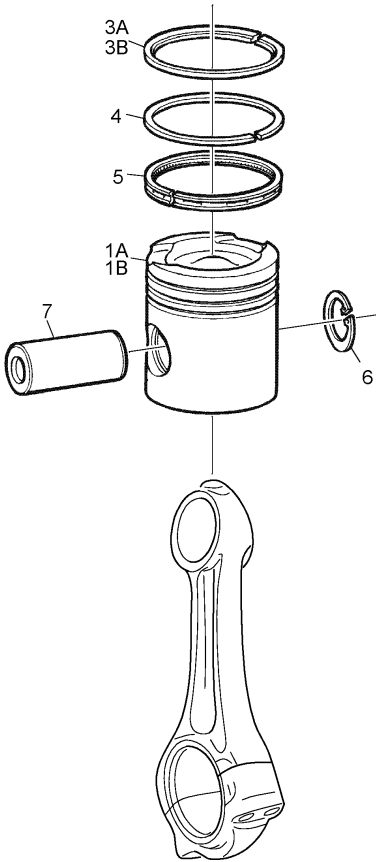


(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37370	SUMP, OIL	1	1	1					
1-1	1	165001-26500	SUMP, OIL		1	1	1	1	1		N
		(B=E6515927) (C=E6515525)									
1-2	1	165001-44250	SUMP, OIL			1	1	1	1		N
		(C=E6520512) (D=E*****)			(E=E*****)			(F=E*****)			
2	2	165000-24860	INSEAT	2	2	2	2	2	2		
3	1	165000-34620	GASKET	1	1	1	1	1	1		
4	1	165000-27440	SCREW, M8X60	27	27	27	27	27	27		
4A	1	165000-37860	WASHER	27	27	27	27	27	27		
5	1	165000-30960	PLUG	2	2	2					
5-1	1	165001-30810	PLUG, MAGNATIC		2	2	2	2	2		N
		(B=E6516171) (C=E6516230)									
6	1	165000-33000	WASHER	2							
6-1	1	165000-59430	WASHER, SEALING	2	2	2	2	2	2		N
		(A=E6510081)									
7	1	165000-36120	PLATE, BAFFLE	2	2	2	2	2	2		
8	1	165000-27290	SCREW, M8X16	12	12	12	12	12	12		
9	1	165000-34160	COVER	1	1	1	1	1	1		
10	1	165000-34640	GASKET	1	1	1	1	1	1		
11	1	165000-27330	SCREW, M8X25	4	4	4	4	4	4		

Fig.12. PISTON

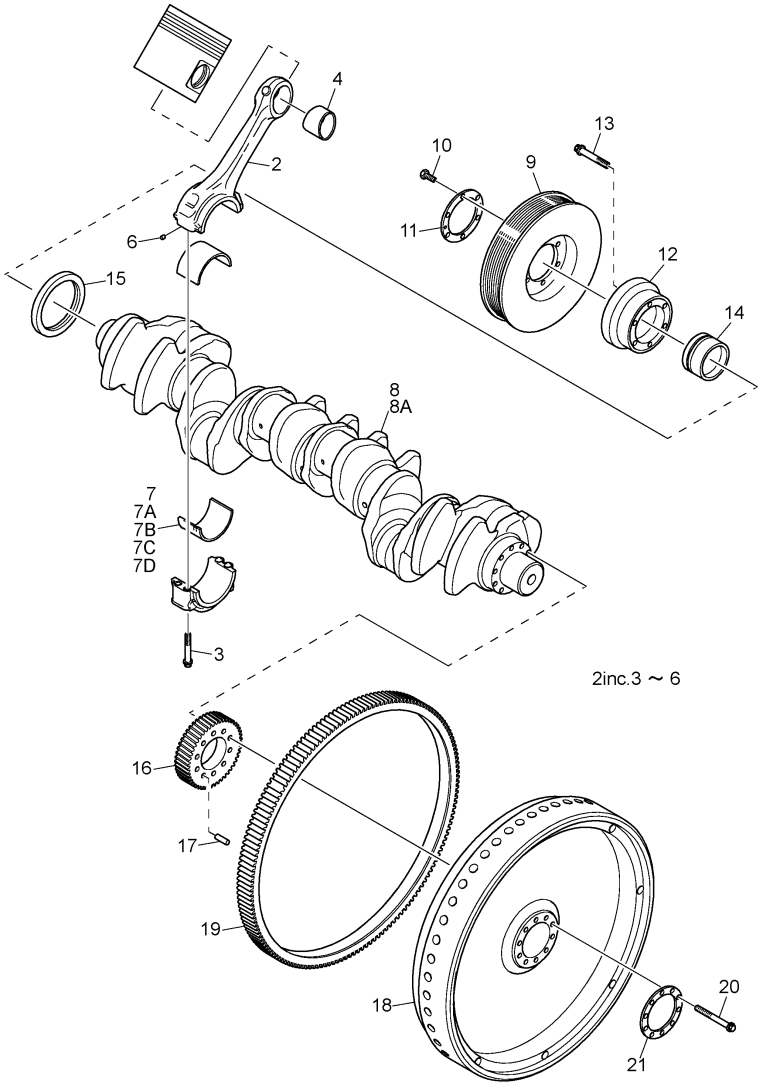
1A inc. 3A,4~7
1B inc. 3B,4~7



127204

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		OCR10-M57702 Fig.12 (D)=6SY650 (E)=6SY720 (F)=6SY750					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	165000-49230	PISTON ASSY	6	6	6					
1A-1	1	165000-91070	PISTON ASSY		6	6					N
		(B=E6513530)	(C=E6513873)								
1B	2	165001-36110	PISTON ASSY				6	6	6		
3A	3	165000-32610	RING, COMPRESSION	6	6	6					
3A-1	3	165001-30890	RING, COMPRESSION	6	6	6					N
		(A=E*****)	(B=E6513530)								
3B	3	165001-36120	RING, COMPRESSION				6	6	6		
4	3	165000-32600	RING, COMPRESSION	6	6	6	6	6	6		
5	3	165000-25080	RING, OIL SCRAPER	6	6	6					
5-1	3	165001-26270	RING, OIL SCRAPER	6	6	6	6	6	6	6	N
		(A=E*****)	(B=E6513530)								
6	2	165000-32710	RING, RETAINING	12	12	12	12	12	12		
7	2	165000-30470	PIN, GUDGEON	6	6	6					
7-1	2	165000-91080	PIN, PISTON	6	6	6					S
7-2	2	165001-26720	PIN, GUDGEON		6	6	6	6	6	6	N
		(B=E6513530)	(C=E6513873)								

Fig.13. CRANK MECHANISM



Remarks
(1)UNDER SIZE METAL

OCR10-M57702 Fig.13

(A)=6SY-STP

(B)=6SY655

(C)=6SY-STP2

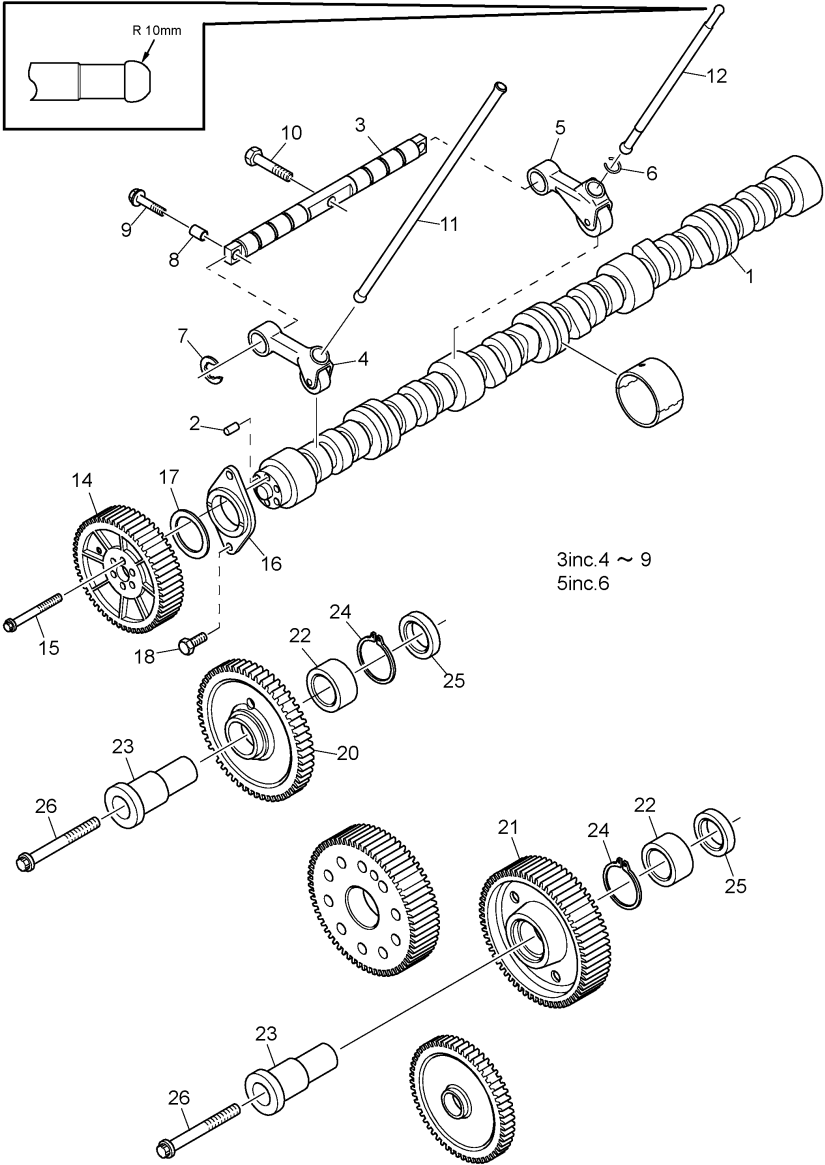
(D)=6SY650

(E)=6SY720

(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-36640	ROD ASSY, CONNECTING	6	6						
2-1	1	165000-73720	ROD ASSY, CONNECTING	6	6	6				N	
(A=2006.03) (B=2006.03) (C=6514596)											
2-2	1	165001-04910	ROD ASSY, CONNECTING	6	6	6	6	6	6	N	
(A=2006.09) (B=2006.09) (C=6514596)											
3	2	165000-36790	SCREW	24	24	24	24	24	24		
4	2	165000-33810	BUSH, BEARING	6	6	6	6	6	6		
6	2	165000-35670	PIN	12	12	12	12	12	12		
7	1	165000-49550	SHELL, BEARING STD	12	12	12					
7-1	1	165000-90160	SHELL, BEARING STD	12	12	12	12	12	12	N	
(A=2006.04) (B=2006.04) (C=6513591) (D=2006.04) (E=2006.04) (F=E****)											
7A	1	165000-49530	SHELL, BEARING US.25	12	12	12	12	12	12		1
7A-1	1	165001-04920	SHELL, BEARING US.25	12	12	12	12	12	12	N	1
(A=2006.09) (B=2006.09) (C=6514596) (D=E****) (E=E****) (F=E****)											
7B	1	165000-49540	SHELL, BEARING US.50	12	12	12	12	12	12		1
7B-1	1	165000-93490	SHELL, BEARING US.50	12	12	12	12	12	12	N	1
(A=2006.06) (B=2006.06) (C=6514184) (D=E****) (E=E****) (F=E****)											
7C	1	165000-37200	SHELL,BEARING US.75	12							1
7C-1	1	165000-59320	SHELL,BEARING US.75	12	12	12	12	12	12	N	1
(A=6511956)											
7C-2	1	165001-04930	SHELL,BEARING US.75	12	12	12	12	12	12	N	1
(A=2006.09) (B=2006.09) (C=6514596) (D=E****) (E=E****) (F=E****)											
7D	1	165000-37210	SHELL,BEARING US1.00	12							1
7D-1	1	165000-72800	SHELL,BEARING US1.00	12	12	12	12	12	12	N	1
(A=6513073)											
7D-2	1	165001-04940	SHELL,BEARING US1.00	12	12	12	12	12	12	N	1
(A=2006.09) (B=2006.09) (C=6514596) (D=E****) (E=E****) (F=E****)											
8	1	165000-34330	CRANKSHAFT	1							
8-1	1	165000-58600	CRANKSHAFT	1	1	1	1	1	1	N	
(A=E****)											
8A	1	165000-59440	CRANKSHAFT	1	1	1	1	1	1	N	
9	1	165000-34340	DAMPER, CRANKSHAFT	1	1	1	1	1	1		
10	1	165000-27080	SCREW, M12X35	6	6	6	6	6	6		
11	1	165000-32940	WASHER	1	1	1	1	1	1		
12	1	165000-34370	DRIVER	1	1	1	1	1	1		
13	1	165000-27130	SCREW, M14X74.5	6	6	6	6	6	6		
14	1	165000-37260	SLEEVE, SPACING	1	1	1	1	1	1		
15	1	165000-36540	RING, SEALING	1	1	1	1	1	1		
16	1	165000-26080	GEAR, CRANKSHAFT	1	1	1	1	1	1		
17	1	165000-30500	PIN, 12X40	1	1	1	1	1	1		
18	1	165000-30720	FLYWHEEL ASSY	1	1	1	1	1	1		
19	1	165000-49020	GEAR, EXTERNAL RING	1	1	1	1	1	1		
20	1	165000-26700	SCREW	10	10	10	10	10	10		
21	1	165000-32990	WASHER	1	1	1	1	1	1		

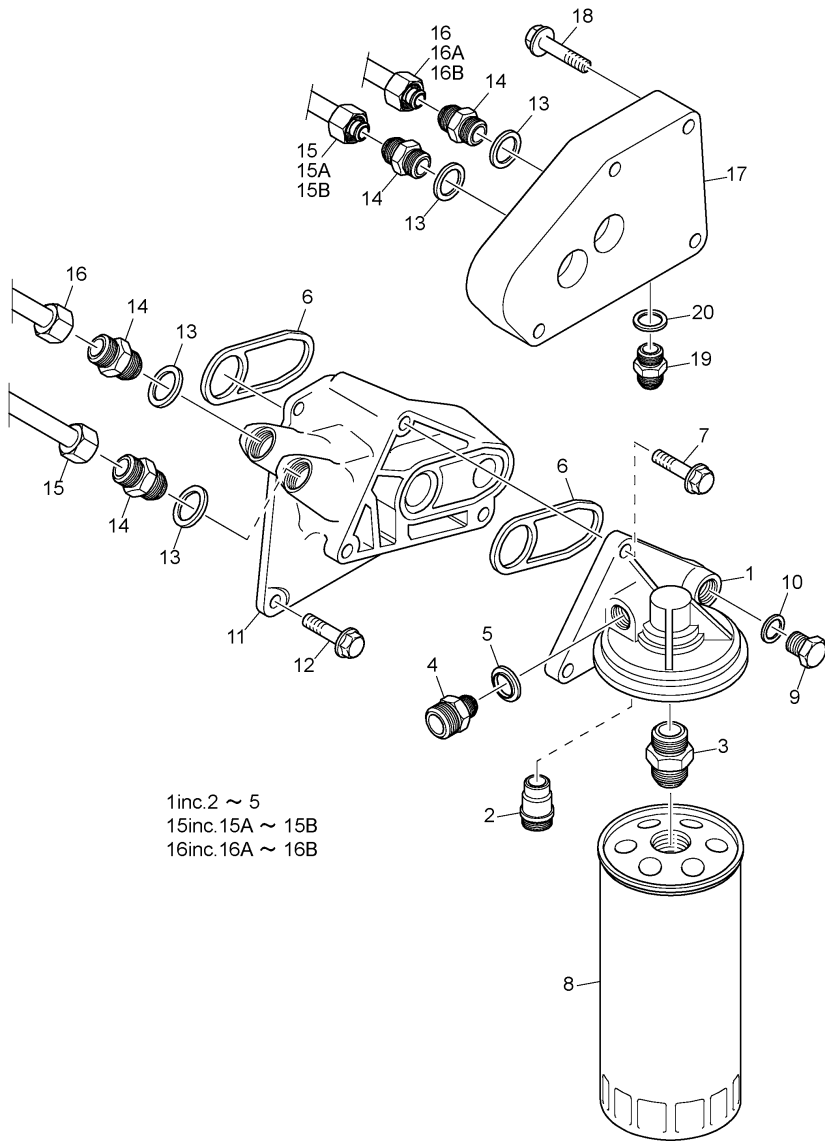
Fig.14. TIMING GEAR



132772

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		OCR10-M57702		Fig.14		
						(D)=6SY650 (E)=6SY720 (F)=6SY750				
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-33850	CAMSHAFT	1	1	1	1	1	1	
2	1	165000-30480	PIN, 10X25	1	1	1	1	1	1	
3	1	165000-37420	SHAFT	3	3	3				
3-1	1	165000-59030	SHAFT	3	3	3	3	3	3	N
	(A=E*****)	(B=E6513143)	(C=E*****)							
4	2	165000-37410	TAPPET, ROLLER	12	12	12	12	12	12	
5	2	165000-37400	TAPPET, ROLLER	6		6				
5-1	2	165000-58990	ROLLER TAP	6	6	6	6	6	6	N
	(A=E*****)		(C=E*****)							
6	3	165000-36610	RING, SNAP	6	6	6	6	6	6	
7	2	165000-36530	RING, RETAINING	12	12	12	12	12	12	
8	2	165000-28260	SLEEVE, GUIDE	6	6	6	6	6	6	
9	2	165000-36990	SCREW, FLANGE	6	6	6	6	6	6	
10	1	165000-49420	SCREW, BANJO	3	3	3	3	3	3	
10-1	1	165001-41630	SCREW, BANJO	3	3	3	3	3	3	N
	(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)	(E=E*****)		(F=E6519854)			
11	1	165000-49380	ROD, PUSH	12	12	12	12	12	12	
12	1	165000-36660	ROD, PUSH	6	6	6	6	6	6	
14	1	165000-26030	GEAR, LH	1	1	1	1	1	1	
15	1	165000-26970	SCREW, M10X40	5	5	5	5	5	5	
16	1	165000-31360	FLANGE, GUIDE	1	1	1	1	1	1	
17	1	165000-33050	WASHER, THRUST	1	1	1	1	1	1	
18	1	165000-26940	SCREW, M10X30	2	2	2	2	2	2	
20	1	165000-26020	GEAR	1	1	1	1	1	1	
21	1	165000-34960	GEAR	1	1	1	1	1	1	
22	1	165000-31970	BEARING, BALL	2	2	2				
22-1	1	165001-04950	BEARING	2	2	2			2	N
	(A=E*****)	(B=E6513412)	(C=E6514596)							
22-2	1	165001-30900	BEARING	2	2	2	2	2	2	N
	(A=E*****)	(B=E6518255)	(C=E6518188)				(F=E6518895)			
23	1	165000-27730	SHAFT	2	2	2	2	2	2	
24	1	165000-28100	RING, SNAP	2	2	2	2	2	2	
25	1	165000-28290	SLEEVE, SPACER	2	2	2	2	2	2	
26	1	165000-27170	SCREW, M18X120	2	2	2	2	2	2	

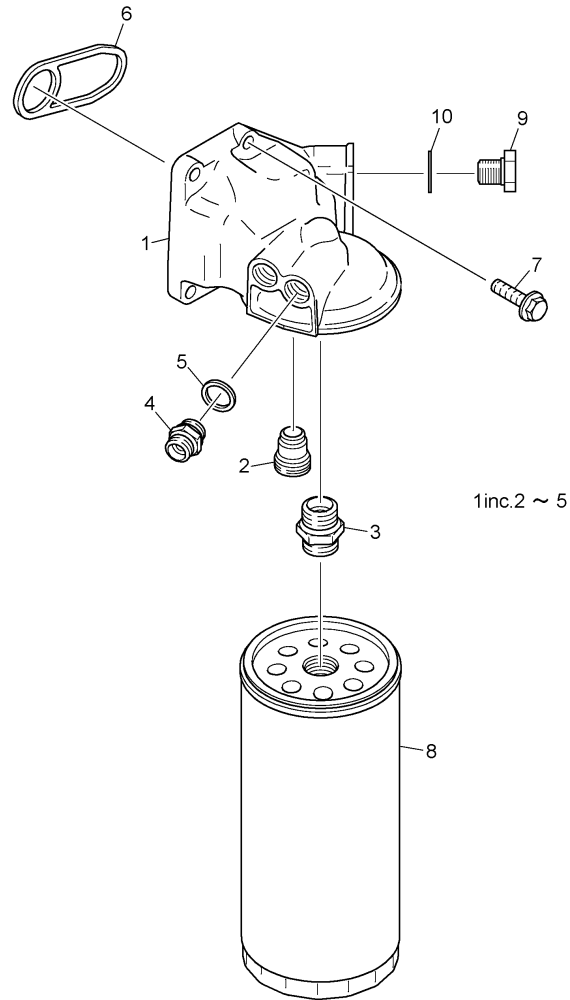
Fig.15. OIL FILTER (LH)



1inc.2 ~ 5
15inc.15A ~ 15B
16inc.16A ~ 16B

132740

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2	OCR10-M57702 Fig.15 (D)=6SY650 (E)=6SY720 (F)=6SY750						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35070	HEAD, FILLER	1	1	1	1	1	1		
2	2	165000-30270	VALVE, OVERFLOW	1	1	1	1	1	1		
3	2	165000-37620	UNION	1	1	1					
3-1	2	165000-37630	UNION	1	1	1	1	1	1	1	N
		(A=E*****) (B=E*****) (C=E*****)									
4	2	165000-37750	UNION, STRAIGHT	1	1	1	1	1	1		
5	2	165000-27780	SEAL	1	1	1	1	1	1		
6	1	165000-34810	GASKET	2	2	2	2	2	2		
7	1	165000-27360	SCREW, M8X30	4	4	4					
7-1	1	165000-27360	SCREW, M8X30	3	3	3	3	3	3	3	K
		(A=E*****) (B=E*****) (C=E*****)									
8	1	165000-34510	FILTER, OIL	1	1	1	1	1	1		
9	1	165000-36230	PLUG, M14X1.5X9	2	2	2					
9-1	1	165000-36230	PLUG, M14X1.5X9	1	1	1	1	1	1	1	K
		(A=E*****) (B=E*****) (C=E*****)									
10	1	165000-37080	SEAL	2	2	2					
10-1	1	165000-37080	SEAL	1	1	1	1	1	1	1	K
		(A=E*****) (B=E*****) (C=E*****)									
11	1	165000-34580	FLANGE	1	1	1					
11-1	1	165001-26280	FLANGE	1	1	1	1	1	1	1	N
		(A=E*****) (B=E*****) (C=E*****)									
12	1	165000-36910	SCREW, FLANGE	3	3	3	3	3	3		
13	1	165000-37090	SEAL	4	4	4	4	4	4		
14	1	165000-37760	UNION, STRAIGHT	4	4	4	4	4	4		
15	1	165000-36040	PIPE, HYDRAULIC	1	1	1	1	1	1		
15A	2	165000-32500	NUT, UNION M22	2	2	2	2	2	2		
15B	2	165000-26140	FERRULE, 22	2	2	2	2	2	2		
16	1	165000-36050	PIPE, HYDRAULIC	1	1	1	1	1	1		
16A	2	165000-32500	NUT, UNION M22	2	2	2	2	2	2		
16B	2	165000-26140	FERRULE, 22	2	2	2	2	2	2		
17	1	165000-33350	ADAPTER	1	1	1	1	1	1		
18	1	165000-27430	SCREW, M8X60	4	4	4	4	4	4		
19	1	165000-37740	UNION, STRAIGHT	1	1	1	1	1	1		
20	1	165000-27920	RING, SEALING	1	1	1	1	1	1		



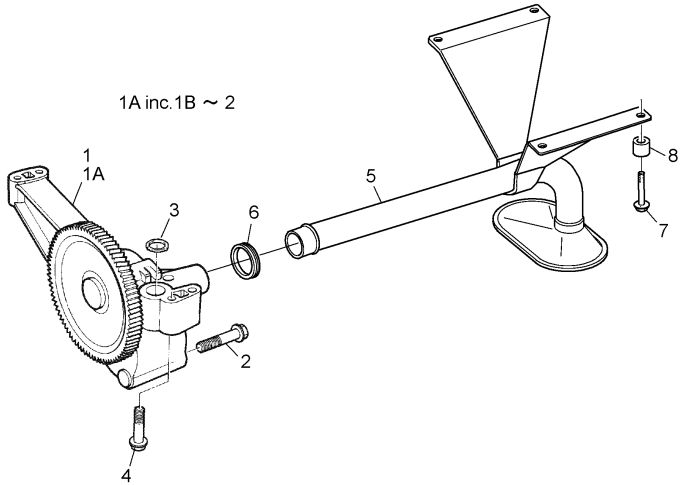
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35080	HEAD, FILLER	1	1	1	1	1	1		
2	2	165000-30270	VALVE, OVERFLOW	1	1	1	1	1	1		
3	2	165000-37630	UNION	1	1	1	1	1	1		
4	2	165000-37740	UNION, STRAIGHT	1	1	1	1	1	1		
5	2	165000-27780	SEAL	1	1	1	1	1	1		
6	1	165000-34810	GASKET	1	1	1	1	1	1		
7	1	165000-27410	SCREW, M8X50	4	4	4	4	4	4		
8	1	165000-34510	FILTER, OIL	1	1	1	1	1	1		
9	1	165000-36230	PLUG, M14X1.5X9	1	1	1	1	1	1		
10	1	165000-25580	GASKET, 14.2X17.9	1	1	1	1	1	1		

Fig.17. OIL PUMP

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

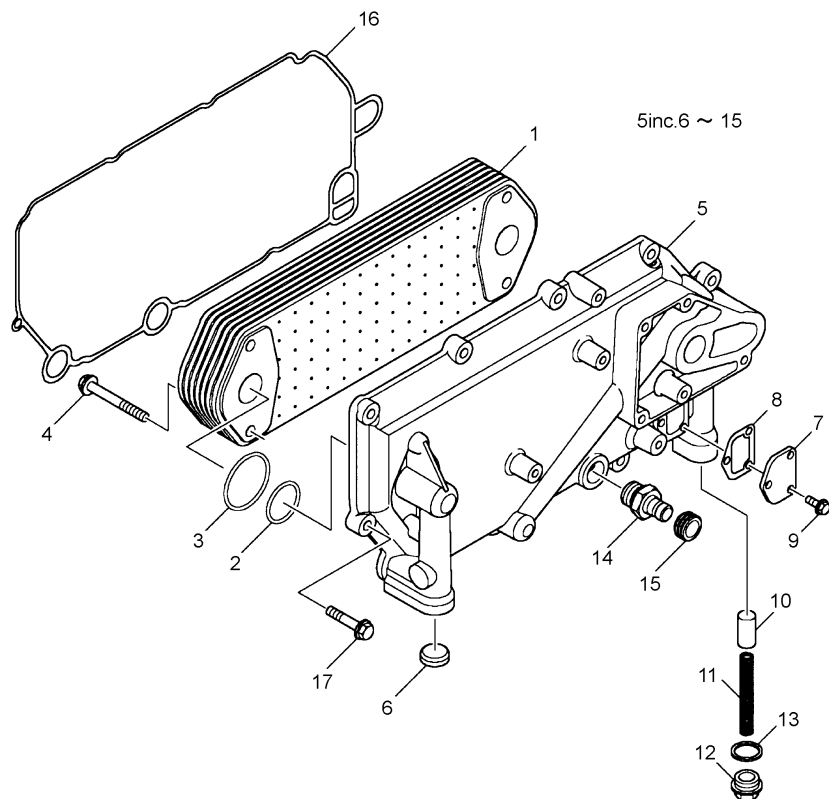
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36430	PUMP, OIL	1	1	1	1	1	1		
1A	1	165000-36420	PUMP ASSY, OIL	1	1	1	1	1	1		1
1B	2	165000-28260	SLEEVE, GUIDE	4	4	4	4	4	4		
2	2	165000-36910	SCREW, FLANGE	6	6	6	6	6	6		
3	1	165000-34670	GASKET	1	1	1	1	1	1		
4	1	165000-27440	SCREW, M8X60	4	4	4	4	4	4		
5	1	165000-36080	PIPE ASSY, INTAKE	1	1	1	1	1	1		
6	1	165000-24570	O-RING, 29.2X3	1	1	1	1	1	1		
7	1	165000-27400	SCREW, M8X40	4	4	4	4	4	4		
8	1	165000-37280	SPACER	4	4	4	4	4	4		



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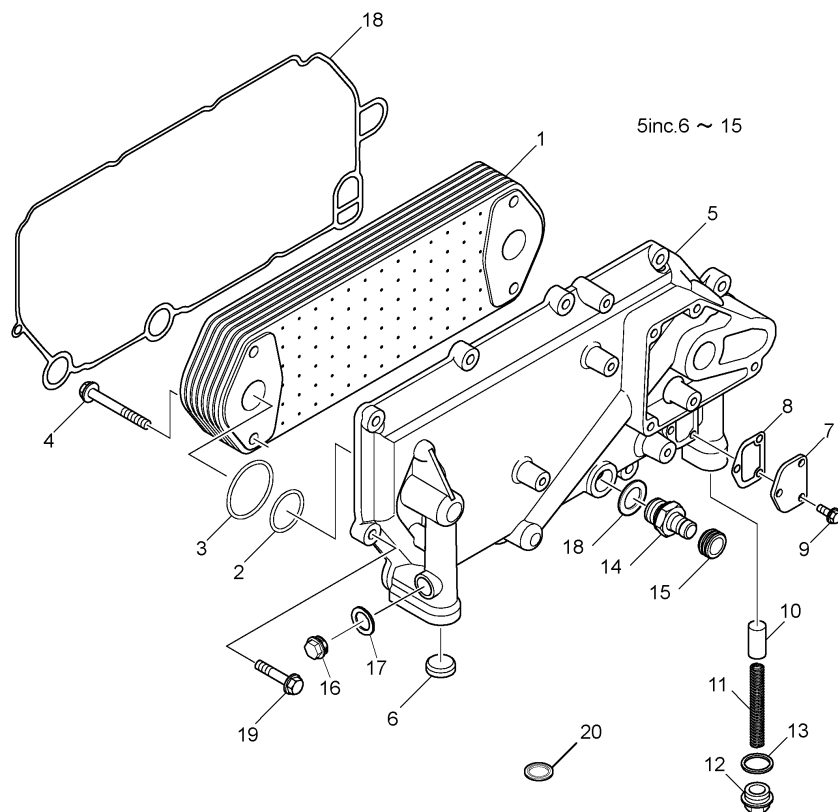
Remarks
(1) ASSY EXCHANGE UNIT

Fig.18. OIL COOLER(-E6513049)



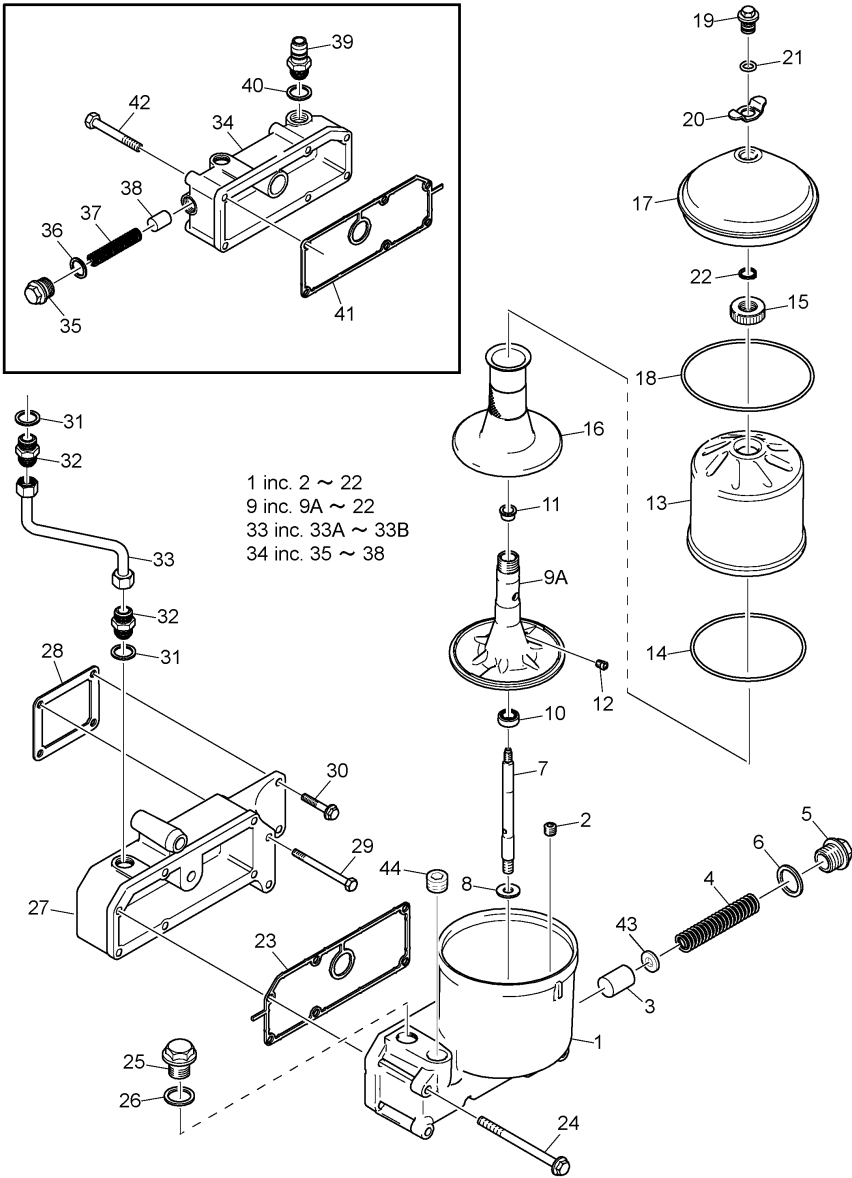
No.	Lev.	Parts No.	Description	Q'ty			I	R
				(A)	(B)	(C)		
1	1	165000-25010	COOLER, OIL	1	1	1		
2	1	165000-25450	GASKET	2	2	2		
3	1	165000-25290	GASKET	2	2	2		
4	1	165000-27460	SCREW, M8X70	4	4	4		
5	1	165000-58610	COVER, OIL COOLER	1	1	1		
6	2	165000-30880	PLUG, CORE 25MM	2	2	2		
7	2	165000-25710	COVER	1	1	1		
8	2	165000-25190	GASKET	1	1	1		
9	2	165000-27240	SCREW, M6X16	3	3	3		
10	2	165000-30380	PISTON	1	1	1		
11	2	165000-28150	SPRING	1	1	1		
12	2	165000-30940	PLUG, M22X1.5X9	1	1	1		
13	2	165000-25610	GASKET, 22.2X26.9	1	1	1		
14	2	165000-37640	UNION	1	1	1		
14-1	2	165001-30940	UNION	1	1	1		N
15	2	165000-37220	SLEEVE, PROTECTION	1	1	1		
16	1	165000-34840	GASKET	1	1	1		
17	1	165000-27400	SCREW, M8X40	10	10	10		

Fig.19. OIL COOLER(E6513050-)



No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-25010	COOLER, OIL	1	1	1	1	1	1		
2	1	165000-25450	GASKET	2	2	2	2	2	2		
3	1	165000-25290	GASKET	2	2	2	2	2	2		
4	1	165000-27460	SCREW, M8X70	4	4	4	4	4	4		
5	1	165001-26320	COVER, OIL COOLER	1	1	1	1	1	1		
5-1	1	165001-36210	COVER, OIL COOLER	1	1	1	1	1	1		N
(A=E6519084) (B=E6519084) (C=E6519084) (D=E6519084) (E=E6519084) (F=E6519084)											
6	2	165000-30880	PLUG, CORE 25MM	2	2	2	2	2	2		
7	2	165000-25710	COVER	1	1	1	1	1	1		
8	2	165000-25190	GASKET	1	1	1	1	1	1		
9	2	165000-27240	SCREW, M6X16	3	3	3	3	3	3		
10	2	165000-30380	PISTON	1	1	1	1	1	1		
11	2	165000-28150	SPRING	1	1	1	1	1	1		
12	2	165000-30940	PLUG, M22X1.5X9	1	1	1	1	1	1		
13	2	165000-25610	GASKET, 22.2X26.9	1	1	1	1	1	1		
14	2	165000-37640	UNION	1	1	1					
14-1	2	165001-30940	UNION	1	1	1	1	1	1		N
(A=E*****) (B=E6518255) (C=E6518188)											
15	2	165000-37220	SLEEVE, PROTECTION	1	1	1	1	1	1		
16	1	165000-30920	PLUG, M16X1.5X9	1	1	1	1	1	1		
17	1	165000-27780	SEAL	1	1	1	1	1	1		
18	1	165000-34840	GASKET	1	1	1	1	1	1		
18-1	1	165001-39260	GASKET	1	1	1	1	1	1		N
(A=E6519084) (B=E6519084) (C=E6519084) (D=E6519084) (E=E6519084) (F=E6519084)											
19	1	165000-27400	SCREW, M8X40	10	10	10	10	10	10		
20	1	165000-27920	RING, SEALING	1	1	1	1	1	1		

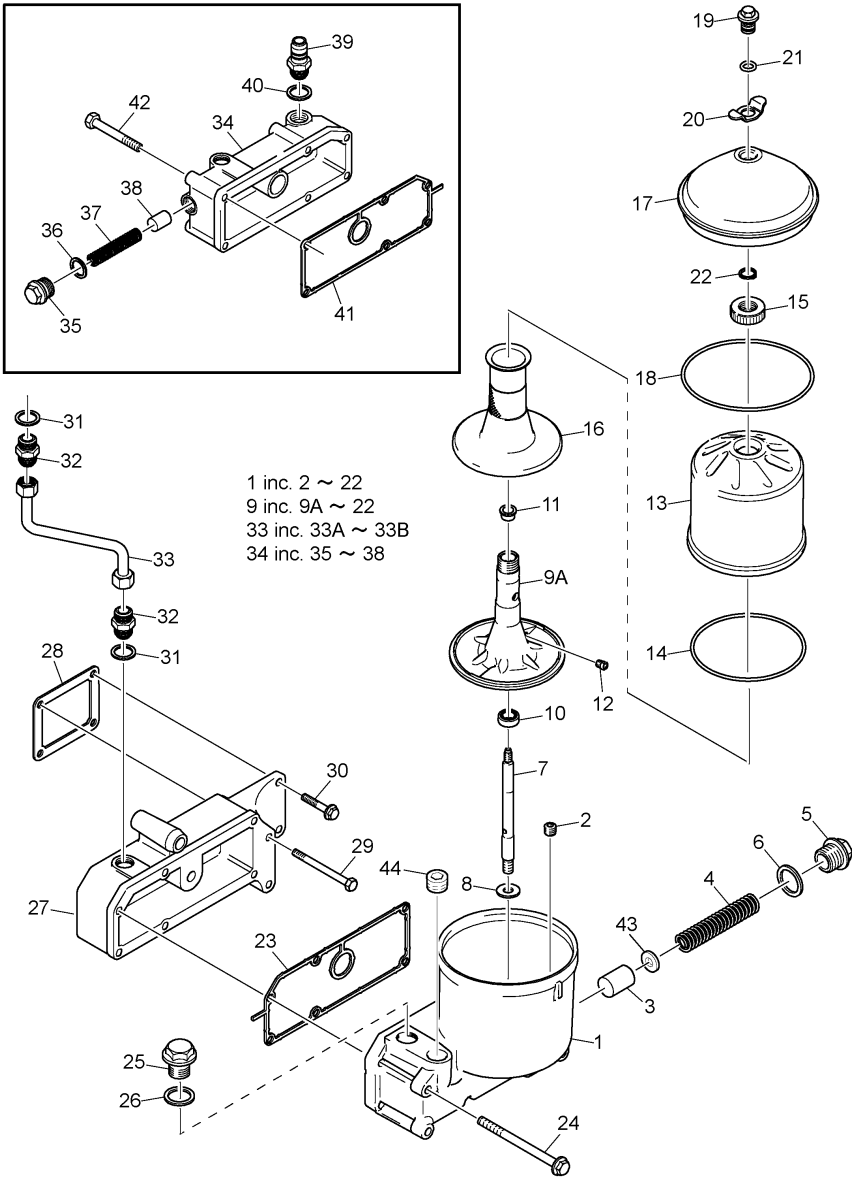
Fig.20. CENTRIFUGAL OIL CLEANER (LH)



132799

							OCR10-M57702		Fig.20		
							(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		(D)=6SY650 (E)=6SY720 (F)=6SY750		
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34060	CLEANER, OIL	1	1	1					
1-1	1	165001-30910	CLEANER, OIL	1	1	1	1	1	1	1	N
(A=E*****) (B=E*****) (C=E*****)											
1-2	1	165001-44330	CLEANER, OIL		1	1	1	1	1	1	N
(A=E6519976) (B=E6519976) (C=E6519976) (D=E6519976)					(E=E6519976)			(F=E6519976)			
2	2	165000-36240	PLUG, M12	1	1	1	1	1	1	1	
3	2	165000-30380	PISTON	1	1	1	1	1	1	1	
4	2	165000-37290	SPRING	1	1	1					
4-1	2	165001-26290	SPRING	1	1	1	1	1	1	1	N
(A=E*****) (B=E*****) (C=E*****)											
5	2	165000-30940	PLUG, M22X1.5X9	1	1	1	1	1	1	1	
6	2	165000-25610	GASKET, 22.2X26.9	1	1	1					
6-1	2	165000-27920	RING, SEALING	1	1	1	1	1	1	1	N
(A=E*****) (B=E*****) (C=E*****)											
7	2	165000-37160	SHAFT	1	1	1	1	1	1	1	
8	2	165000-32930	WASHER	1	1	1	1	1	1	1	
9	2	165000-36690	ROTOR COVER ASSY	1	1	1	1	1	1	1	
9A	3	165000-36680	ROTOR	1	1	1	1	1	1	1	
13	3	165000-34250	COVER	1	1	1	1	1	1	1	
14	3	165000-35660	O-RING	1	1	1					
14-1	3	165001-30920	O-RING	1	1	1	1	1	1	1	N
(A=E*****) (B=E*****) (C=E*****)											
15	3	165000-35530	NUT	1	1	1	1	1	1	1	
16	3	165000-37310	STRAINER	1	1	1	1	1	1	1	
17	3	165000-25720	COVER	1	1	1	1	1	1	1	
18	3	165000-24400	O-RING	1	1	1					
18-1	3	165001-30930	O-RING	1	1	1	1	1	1	1	N
19	3	165000-32860	NUT, LOCK	1	1	1	1	1	1	1	
20	3	165000-32960	WASHER	1	1	1	1	1	1	1	
21	3	165000-24380	O-RING	1	1	1	1	1	1	1	
22	3	165000-28090	RING, SNAP	1	1	1	1	1	1	1	
23	1	165000-34820	GASKET	1	1	1	1	1	1	1	
24	1	165000-27260	SCREW, M8X100	4	4	4	4	4	4	4	
25	1	165000-30950	PLUG, M26X1.5X9	1	1	1	1	1	1	1	
26	1	165000-37090	SEAL	1	1	1	1	1	1	1	
27	1	165000-34590	FLANGE	1	1	1					
27-1	1	165001-04960	FLANGE	1	1	1	1	1	1	1	N
28	1	165000-34640	GASKET	1	1	1	1	1	1	1	
29	1	165000-36750	SCREW	2	2	2	2	2	2	2	
30	1	165000-27360	SCREW, M8X30	2	2	2	2	2	2	2	
31	1	165000-27920	RING, SEALING	2	2	2	2	2	2	2	
32	1	165000-37750	UNION, STRAIGHT	2	2	2	2	2	2	2	
33	1	165000-36060	PIPE, HYDRAULIC	1	1	1	1	1	1	1	
33A	2	165000-35590	NUT, UNION M16	2	2	2	2	2	2	2	
33B	2	165000-34450	FERRULE	2	2	2	2	2	2	2	
34	1	165000-34570	FLANGE	1	1	1					
34-1	1	165001-04960	FLANGE	1	1	1					N
(A=E*****) (B=E*****) (C=E*****)											
34-2	1	165001-04970	FLANGE	1	1	1	1	1	1	1	N
(A=E*****) (B=E*****) (C=E*****)											
35	2	165000-30940	PLUG, M22X1.5X9	1	1	1	1	1	1	1	
N:Old $\xrightarrow{\text{Yes}}_{\text{No}}$ New, Q:Old $\xrightarrow{\text{No}}_{\text{Yes}}$ New, R:Old $\xrightarrow{\text{Yes}}_{\text{Yes}}$ New, S:Old $\xrightarrow{\text{No}}_{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change											
++ CONTINUE ++											
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Fig.20. CENTRIFUGAL OIL CLEANER (LH)



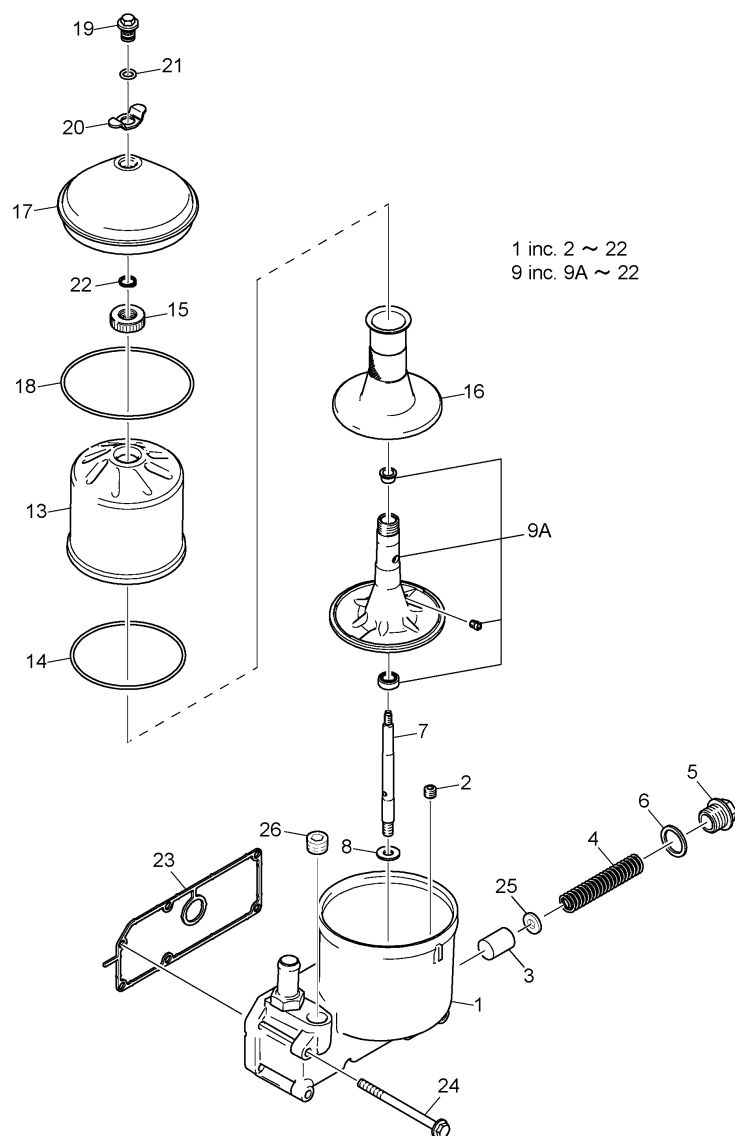
132799

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
36	2	165000-25610	GASKET, 22.2X26.9	1	1	1	1	1	1		
37	2	165000-37290	SPRING	1	1	1	1	1	1		
38	2	165000-30380	PISTON	1	1	1	1	1	1		
39	1	165000-37670	UNION, HOSE	1	1	1	1	1	1		
40	1	165000-37090	SEAL	1	1	1	1	1	1		
41	1	165000-34820	GASKET	1	1	1	1	1	1		
42	1	165000-27430	SCREW, M8X60	6	6	6	6	6	6		
43	1	165000-34910	GASKET SET	1	1	1					
43-1	1	165000-33140	WASHER, 6.4X12	4	4	4	4	4	4	N	
(A=E6519976) (B=E6519976) (C=E6519976)											
44	1	165000-36240	SCREW PLUG	1	1	1	1	1	1		

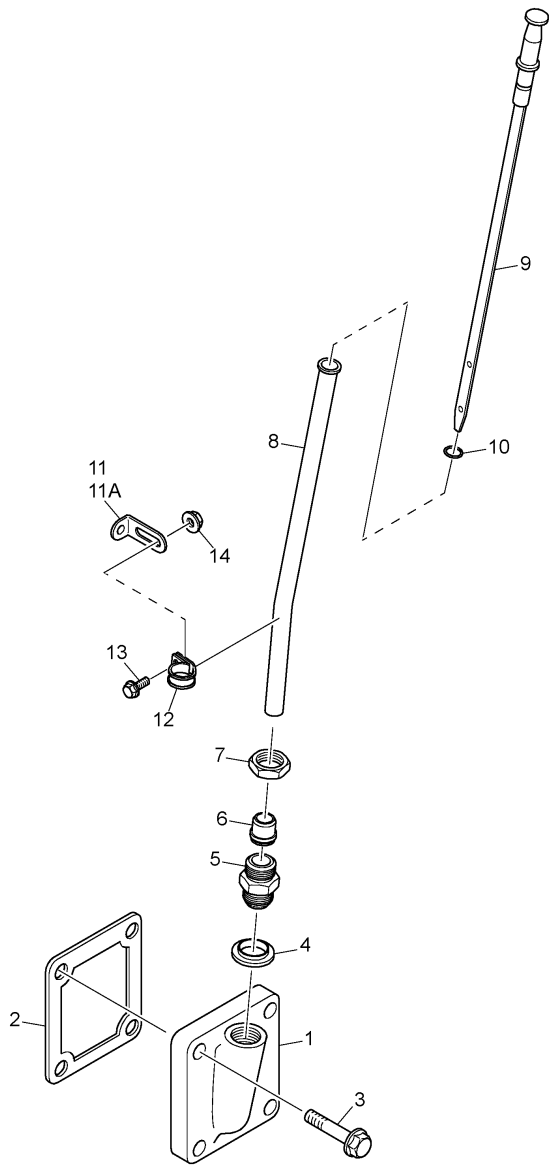
Fig.21. CENTRIFUGAL OIL CLEANER (RH)



132716

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2				(D)=6SY650 (E)=6SY720 (F)=6SY750				
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	165000-34060	CLEANER ASSY, OIL	1	1	1						
1-1	1	165001-30910	CLEANER ASSY, OIL	1	1	1	1	1	1			
		(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)	(E=E*****)		(F=E*****)				
1-2	1	165001-44330	CLEANER ASSY, OIL		1	1	1	1	1	1		
		(A=E6519976)	(B=E6519976)	(C=E6519976)	(D=E6519976)	(E=E6519976)		(F=E6519976)				
2	2	165000-36240	PLUG, M12	1	1	1	1	1	1	1		
3	2	165000-30380	PISTON	1	1	1	1	1	1	1		
4	2	165000-37290	SPRING	1	1	1						
4-1	2	165001-26290	SPRING	1	1	1	1	1	1	1		
		(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)	(E=E*****)		(F=E*****)				
5	2	165000-30940	PLUG, M22	1	1	1	1	1	1	1		
6	2	165000-25610	GASKET	1	1	1						
6-1	2	165000-27920	RING, SEALING	1	1	1	1	1	1	1		
		(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)	(E=E*****)		(F=E*****)				
7	2	165000-37160	SHAFT	1	1	1	1	1	1	1		
8	2	165000-32930	WASHER	1	1	1	1	1	1	1		
9	2	165000-36690	ROTOR COVER ASSY	1	1	1	1	1	1	1		
9A	3	165000-36680	ROTOR	1	1	1	1	1	1	1		
13	3	165000-34250	COVER	1	1	1	1	1	1	1		
14	3	165000-35660	O-RING	1	1	1						
14-1	3	165001-30920	O-RING	1	1	1	1	1	1	1		
		(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)	(E=E*****)		(F=E*****)				
15	3	165000-35530	NUT	1	1	1	1	1	1	1		
16	3	165000-37310	STRAINER	1	1	1	1	1	1	1		
17	3	165000-25720	COVER	1	1	1	1	1	1	1		
18	3	165000-24400	O-RING	1	1	1						
18-1	3	165001-30930	O-RING	1	1	1	1	1	1	1		
		(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)	(E=E*****)		(F=E*****)				
19	3	165000-32860	NUT, LOCK	1	1	1	1	1	1	1		
20	3	165000-32960	WASHER	1	1	1	1	1	1	1		
21	3	165000-24380	RING, SNAP	1	1	1	1	1	1	1		
22	3	165000-28090	RING	1	1	1	1	1	1	1		
23	1	165000-34820	GASKET	1	1	1	1	1	1	1		
23-1	1	165001-44340	GASKET		1	1	1	1	1	1		
		(A=E6519976)	(B=E6519976)	(C=E6519976)	(D=E6519976)	(E=E6519976)		(F=E6519976)				
24	1	165000-27260	SCREW, M8X100	4	4	4	4	4	4	4		
25	1	165000-34910	GASKET SET	1	1	1					Z	
26	1	165000-36240	PLUG, M12		1	1	1	1	1	1	W	
		(A=E6519976)	(B=E6519976)	(C=E6519976)	(D=E6519976)	(E=E6519976)		(F=E6519976)				

Fig.22. OIL DIPSTICK



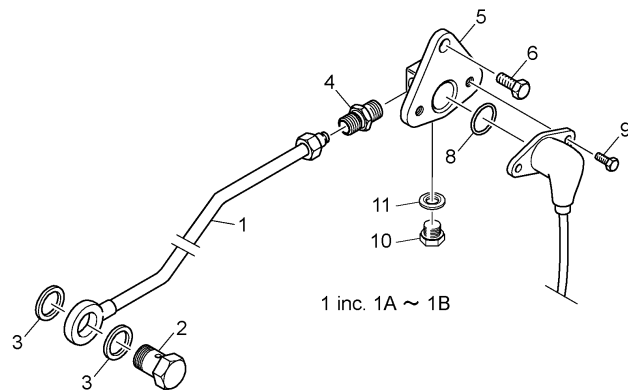
132801

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35930	PIPE, FLANGE	1	1	1	1	1	1		
2	1	165000-34640	GASKET	1	1	1	1	1	1		
3	1	165000-27330	SCREW, M8X25	4	4	4	4	4	4		
4	1	165000-27790	SEAL	1	1	1	1	1	1		
5	1	165000-37690	UNION, STRAIGHT	1	1	1	1	1	1		
6	1	165000-34450	FERRULE	1	1	1	1	1	1		
7	1	165000-35590	NUT, UNION M16	1	1	1	1	1	1		
8	1	165000-35700	PIPE	1	1	1	1	1	1		
9	1	165000-34350	DIPSTICK	1	1	1	1	1	1		
10	1	165000-24700	O-RING, 9X3	1	1	1	1	1	1		
11	1	165000-33610	BRACKET LH SIDE	1	1	1	1	1	1		
11A	1	165000-33620	BRACKET RH SIDE	1	1	1	1	1	1		
12	1	165000-26200	CLAMP, 16	1	1	1	1	1	1		
13	1	165000-27210	SCREW, M6X10	1	1	1	1	1	1		
14	1	165000-29010	NUT, FLANGE M6	1	1	1	1	1	1		

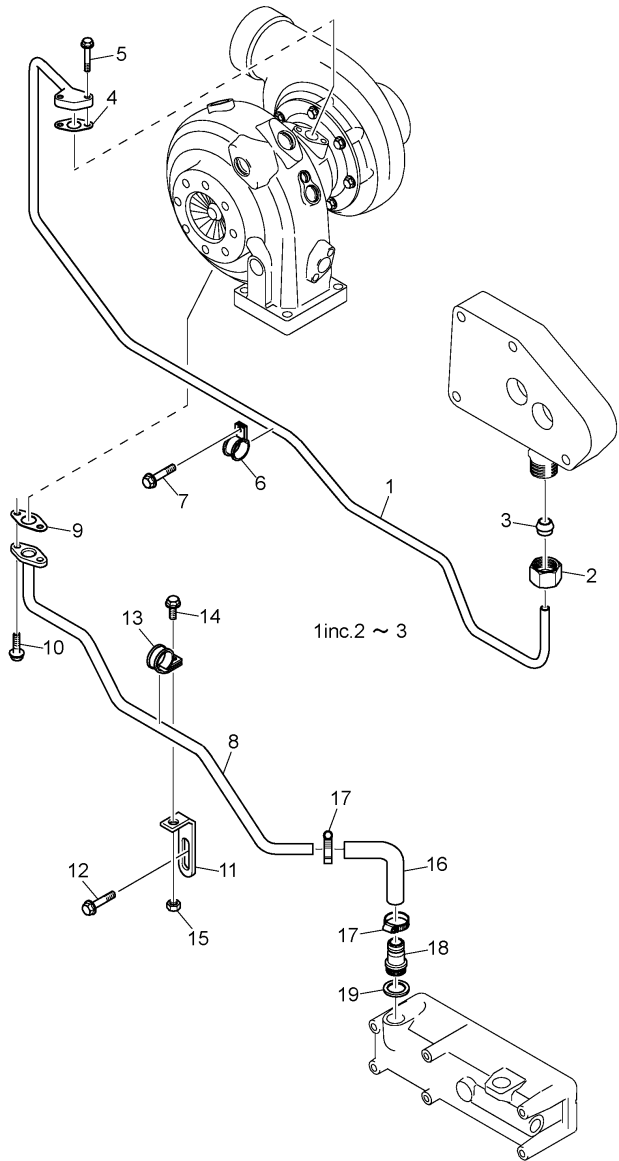
Fig.23. OIL PRESSURE SENSOR



1 inc. 1A ~ 1B

No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35740	PIPE	1	1	1	1	1	1		
1A	2	165000-32510	NUT, UNION M6	1	1	1	1	1	1		
1B	2	165000-26150	FERRULE, 6	1	1	1	1	1	1		
2	1	165000-36890	SCREW, BANJO	1	1	1	1	1	1		
3	1	165000-25600	GASKET, 18.2X21.9	2	2	2					
3-1	1	165000-73730	SEAL	2	2	2					N
3-2	1	165001-26310	WASHER, SEAL	2	2	2	2	2	2	2	N
4	1	165000-37720	UNION, STRAIGHT	1	1	1	1	1	1		
5	1	165000-34530	FITTING, MANIFOLD	1	1	1					
5-1	1	165000-93570	FITTING, MANIFOLD	1	1	1	1	1	1	1	F
6	1	165000-27280	SCREW	1	1	1	1	1	1		
8	1	165000-24520	O-RING, 11.3X2.4	1	1	1	1	1	1	1	
9	1	165000-27230	SCREW, M6X16	2	2	2	2	2	2		
10	1	165000-36230	PLUG, M14X1.5X9		1	1	1	1	1	1	W
11	1	165000-27770	SEAL		1	1	1	1	1	1	W

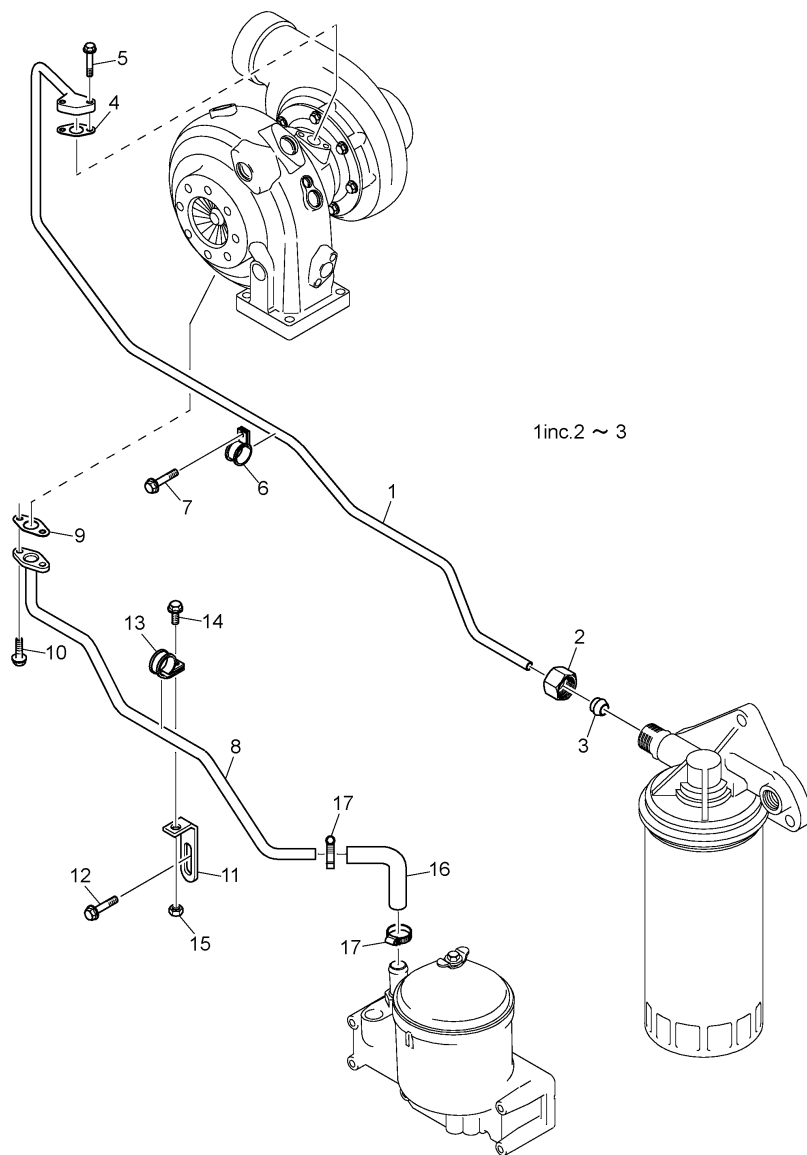
Fig.24. LUBRICATION,W-COOLED TURBO(LH)



132804

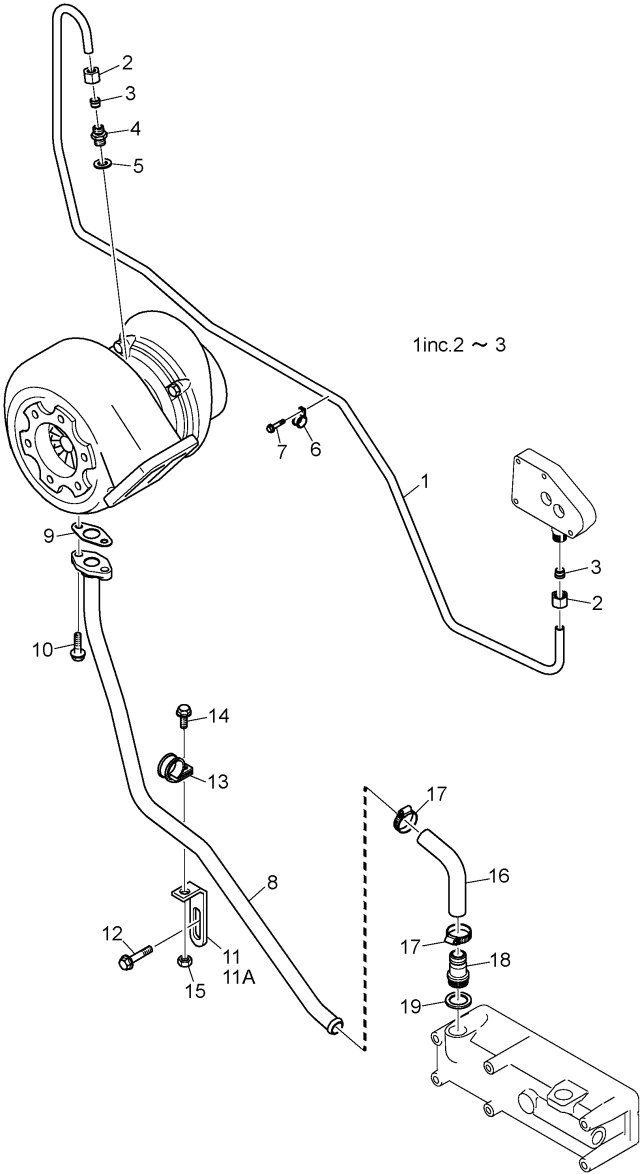
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36070	PIPE, HYDRAULIC	1	1	1	1	1	1		
2	2	165000-32490	NUT, UNION M12	1	1	1	1	1	1		
3	2	165000-26130	FERRULE, 12	1	1	1	1	1	1		
4	1	165000-34850	GASKET	1	1	1	1	1	1		
5	1	165000-26950	SCREW, M10X35	2	2	2	2	2	2		
6	1	165000-26190	CLAMP, 12	2	2	2	2	2	2		
7	1	165000-27400	SCREW, M8X40	2	2	2	2	2	2		
8	1	165000-35770	PIPE	1	1	1					
8-1	1	165001-28410	PIPE		1	1	1	1	1		N
(B=E*****) (C=E*****)											
9	1	165000-34830	GASKET	1	1	1	1	1	1		
10	1	165000-26910	SCREW, M10X25	2	2	2	2	2	2		
11	1	165000-33610	BRACKET, LH	1	1	1	1	1	1		
12	1	165000-27400	SCREW, M8X40	1	1	1	1	1	1		
13	1	165000-34020	CLAMP, 22	1	1	1	1	1	1		
14	1	165000-27240	SCREW, M6X16	1	1	1	1	1	1		
15	1	165000-29010	NUT, FLANGE M6	1	1	1	1	1	1		
16	1	165000-35160	HOSE	1	1	1	1	1	1		
17	1	165000-31770	CLAMP, HOSE	2	2	2					
17-1	1	165000-31830	CLAMP, HOSE		2	2	2	2	2		N
(B=E*****) (C=E*****)											
18	1	165000-37670	UNION, HOSE	1	1	1	1	1	1		
19	1	165000-37090	SEAL	1	1	1	1	1	1		



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35760	PIPE	1	1	1	1	1	1		
2	2	165000-32490	NUT, UNION M12	1	1	1	1	1	1		
3	2	165000-26130	FERRULE, 12	1	1	1	1	1	1		
4	1	165000-34850	GASKET	1	1	1	1	1	1		
5	1	165000-26950	SCREW, M10X35	2	2	2	2	2	2		
6	1	165000-26190	CLAMP, 12	2	2	2	2	2	2		
7	1	165000-27400	SCREW, M8X40	2	2	2	2	2	2		
8	1	165000-35770	PIPE	1	1	1	1	1	1		
9	1	165000-34830	GASKET	1	1	1	1	1	1		
10	1	165000-26910	SCREW, M10X25	2	2	2	2	2	2		
11	1	165000-33610	BRACKET LH SIDE	1	1	1	1	1	1		
12	1	165000-27400	SCREW, M8X40	1	1	1	1	1	1		
13	1	165000-34020	CLAMP	1	1	1	1	1	1		
14	1	165000-27240	SCREW, M6X16	1	1	1	1	1	1		
15	1	165000-29010	NUT, FLANGE M6	1	1	1	1	1	1		
16	1	165000-35160	HOSE	1	1	1	1	1	1		
17	1	165000-31770	CLAMP, HOSE	2	2	2					
17-1	1	165000-31830	CLAMP, HOSE	2	2	2	2	2	2	2	N
(A=E*****)				(B=E*****)				(C=E*****)			

Fig.26. LUBRICATION,A-COOLED TURBO(LH)

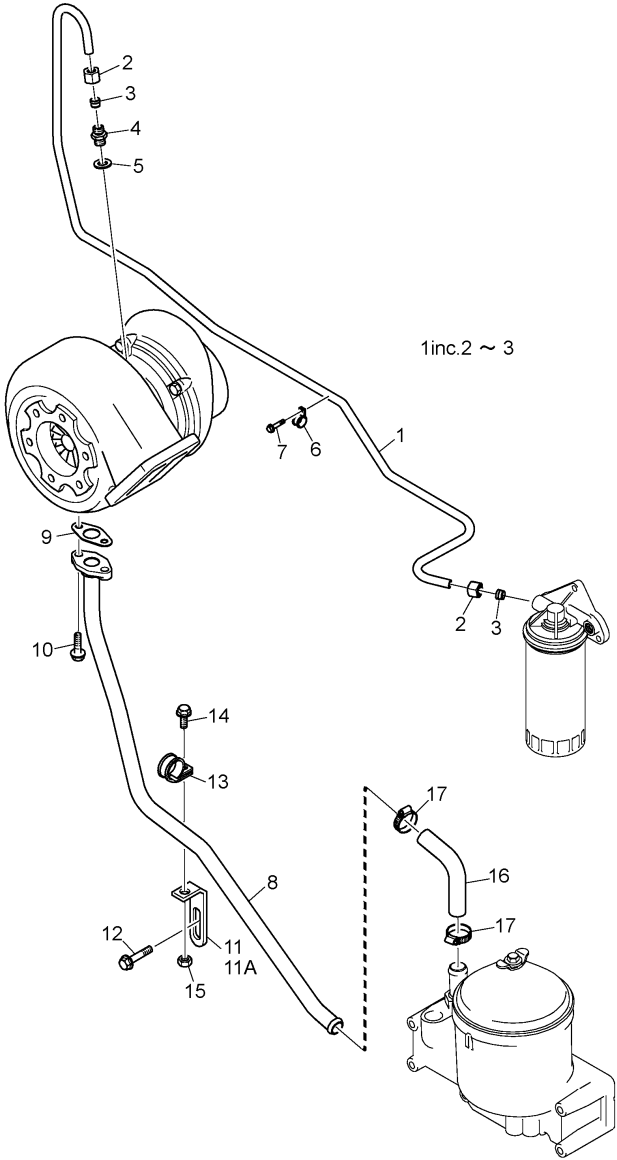


136321

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49200	PIPE, LUB.OIL	1							
2	2	165000-32490	NUT, UNION M12	1							
3	2	165000-26130	FERRULE, 12	1							
4	1	165000-37740	UNION, STRAIGHT	1							
5	1	165000-48960	GASKET	1							
6	1	165000-26190	CLAMP, 12	2							
7	1	165000-26910	SCREW, M10X25	2							
8	1	165000-49140	PIPE	1							
9	1	165000-48970	GASKET	1							
10	1	165000-26910	SCREW, M10X25	2							
11	1	165000-33610	BRACKET, LH	1							
11A	1	165000-33620	BRACKET, RH	1							
12	1	165000-27400	SCREW, M8X40	1							
13	1	165000-34020	CLAMP, 22	1							
14	1	165000-27240	SCREW, M6X16	1							
15	1	165000-29010	NUT, FLANGE M6	1							
16	1	165000-35160	HOSE	1							
17	1	165000-48870	CLAMP, HOSE	2							
17-1	1	165000-31830	CLAMP, HOSE	2							N
(A=E*****)											
18	1	165000-37670	UNION	1							
19	1	165000-37090	SEAL	1							

Fig.27. LUBRICATION,A-COOLED TURBO(RH)

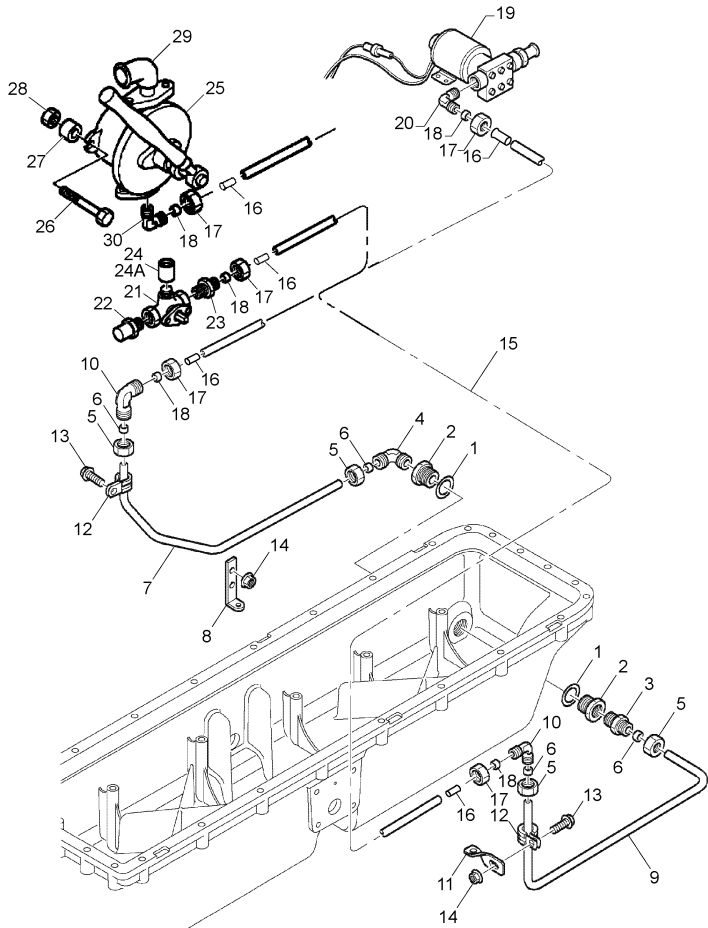


136320

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49190	PIPE, LUB.OIL	1							
2	2	165000-32490	NUT, UNION M12	2							
3	2	165000-26130	FERRULE, 12	2							
4	1	165000-37740	UNION, STRAIGHT	1							
5	1	165000-48960	GASKET	1							
6	1	165000-26190	CLAMP, 12	2							
7	1	165000-27330	SCREW, M8X25	2							
8	1	165000-49140	PIPE	1							
9	1	165000-48970	GASKET	1							
9-1	1	165000-34830	GASKET	1							N
(A=E*****)											
10	1	165000-26910	SCREW, M10X25	2							
11	1	165000-33610	BRACKET, LH	1							
11A	1	165000-33620	BRACKET, RH	1							
12	1	165000-27330	SCREW, M8X25	1							
13	1	165000-34020	CLAMP, 22	1							
14	1	165000-27240	SCREW, M6X16	1							
15	1	165000-29010	NUT, FLANGE M6	1							
16	1	165000-35160	HOSE	1							
17	1	165000-48870	CLAMP, HOSE	2							
17-1	1	165000-31830	CLAMP, HOSE	2							N
(A=E*****)											

Fig.28. OIL DISCHARGE

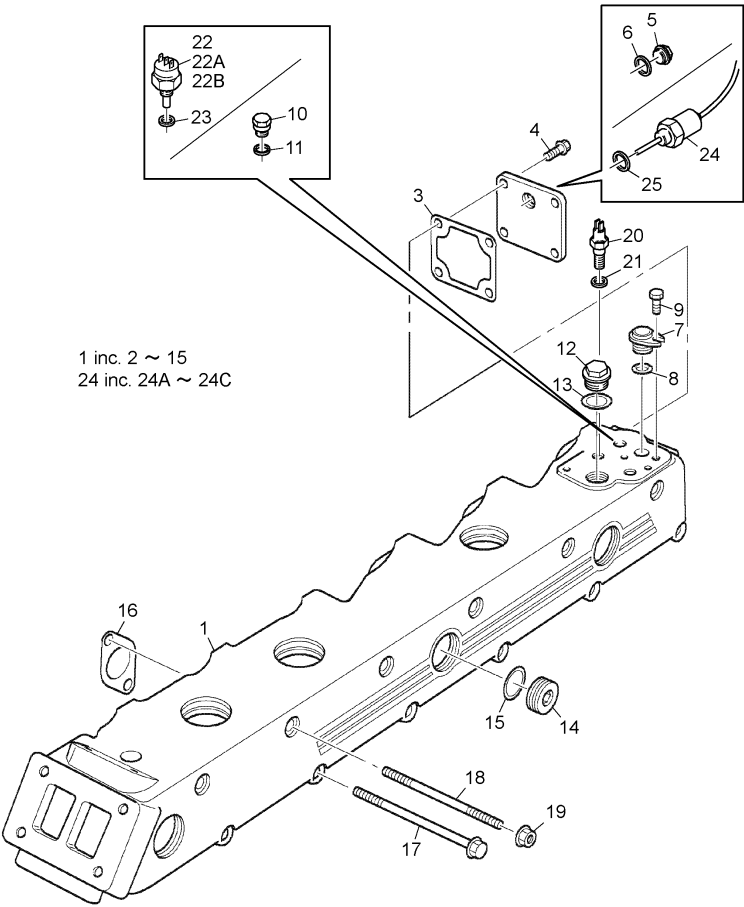


113036

Remarks
(1) LH
(2) RH
(3) FOR FEED PUMP
(4) FOR HAND PUMP

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2	OCR10-M57702 Fig.28 (D)=6SY650 (E)=6SY720 (F)=6SY750					
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-25620	GASKET, 24.3X28.9	1	1	1				
1-1	1	165000-59430	WASHER, SEALING	1	1	1	1	1	1	
	(A=E****)	(B=E****)	(C=E****)							
2	1	165000-32200	UNION	1	1	1	1	1	1	
3	1	165000-32430	UNION, ELBOW	1	1	1				1
3-1	1	165000-32290	UNION, STRAIGHT	1	1	1	1	1	1	1
	(A=E****)	(B=E****)	(C=E****)							
4	1	165000-32430	UNION, ELBOW	1	1	1	1	1	1	2
5	1	165000-32490	NUT, UNION M12	4	4	4	4	4	4	
6	1	165000-26130	FERRULE, 12	4	4	4	4	4	4	
7	1	165000-51660	TUBE	1	1	1				2
8	1	165000-51670	BRACKET	1	1	1	1	1	1	2
9	1	165000-51680	PIPE	1	1	1	1	1	1	1
10	1	165000-32450	UNION, ELBOW	1	1	1	1	1	1	
11	1	165000-51690	BRACKET	1	1	1	1	1	1	1
12	1	165000-26290	CLAMP, 12MM	1	1	1	1	1	1	
13	1	165000-27240	SCREW, M6X16	1	1	1	1	1	1	
14	1	165000-29010	NUT, FLANGE M6	1	1	1	1	1	1	
15	1	165000-29220	PIPE, 12X1.5	1	1	1	1	1	1	
16	1	165000-28310	SLEEVE, INSERT	2	2	2	2	2	2	
17	1	165000-32490	NUT, UNION M12	2	2	2	2	2	2	
18	1	165000-26130	FERRULE, 12	2	2	2	2	2	2	
19	1	165000-31980	PUMP	1	1	1	1	1	1	
20	1	165000-32410	UNION, ELBOW	1	1	1	1	1	1	
21	1	165000-73740	TAP,DRAIN	1	1	1	1	1	1	
22	1	165000-32310	UNION, STRAIGHT	1	1	1	1	1	1	
23	1	165000-32280	UNION, STRAIGHT	1	1	1	1	1	1	
24	1	165000-26590	CONNECTOR (FEED PUMP	1	1	1				3
24A	1	165000-26600	CONNECTOR(HAND PUMP	1	1	1	1	1	1	4
25	1	165000-32020	PUMP ASSY, HAND	1	1	1	1	1	1	
26	1	165000-27000	SCREW, M10X60	2	2	2	2	2	2	
27	1	165000-28190	SPACER, L=29MM	2	2	2	2	2	2	
28	1	165000-28870	NUT, FLANGE M10	2	2	2	2	2	2	
29	1	165000-32390	UNION, ELBOW	1	1	1	1	1	1	
30	1	165000-32400	UNION, ELBOW	1	1	1	1	1	1	

Fig.29. EXHAUST MANIFOLD



136323

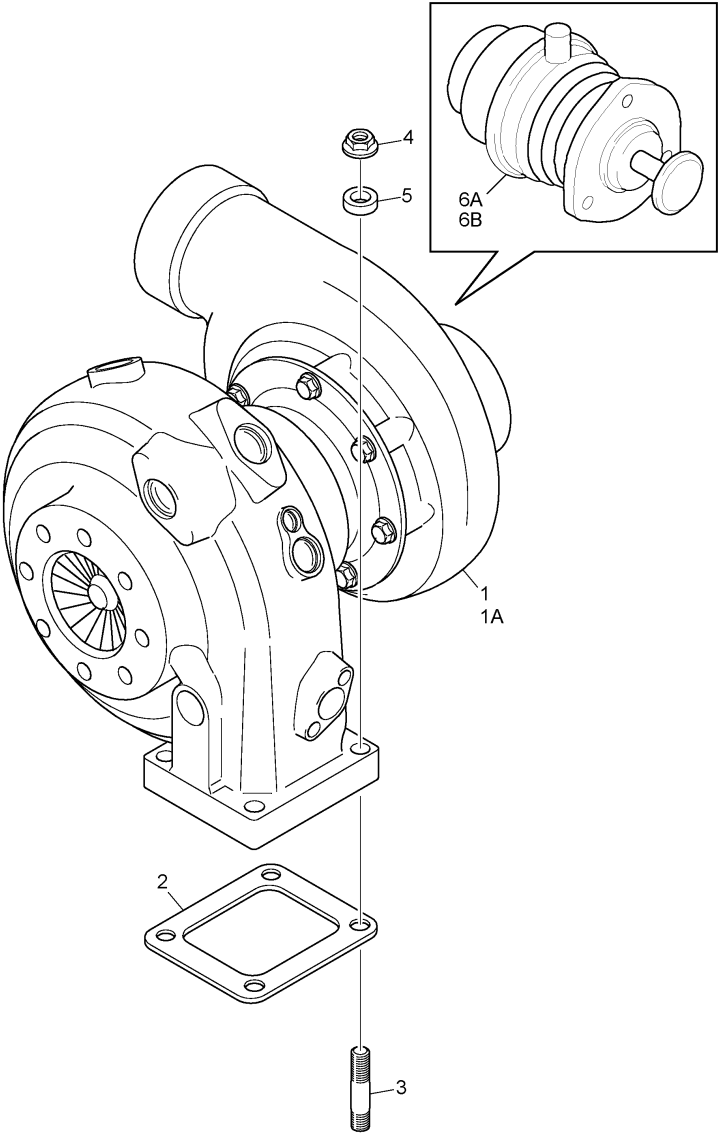
Remarks
(1)STANDARD

				OCR10-M57702 Fig.29						
				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-49090	MANIFOLD ASSY, EXH	1	1	1				
1-1	1	165001-36130	MANIFOLD ASSY, EXH		1	1	1	1	1	N
(B=E6518290) (C=E6518290)										
3	2	165000-34760	GASKET	1	1	1	1	1	1	
4	2	165000-26910	SCREW, M10X25	4	4	4	4	4	4	
5	2	165000-30930	PLUG, M18X1.5X9	1	1	1	1	1	1	
6	2	165000-25600	GASKET, 18.2X21.9	1	1	1	1	1	1	
7	2	165000-36190	PLUG	1	1	1	1	1	1	
8	2	165000-24520	O-RING, 11.3X2.4	1	1	1	1	1	1	
9	2	165000-27220	SCREW, M6X14	1	1	1	1	1	1	
10	2	165000-36230	PLUG, M14X1.5X9	3	3	3	3	3	3	
11	2	165000-25580	GASKET, 14.2X17.9	3	3	3	3	3	3	
12	2	165000-30950	PLUG, M26X1.5X9	1	1	1	1	1	1	
13	2	165000-25630	GASKET, 26.3X30.9	1	1	1	1	1	1	
14	2	165000-36270	PLUG, M44X1.5	12	12	12	12	12	12	
15	2	165000-34660	GASKET	12	12	12	12	12	12	
16	1	165000-25410	GASKET, EXHAUST	6	6	6	6	6	6	
17	1	165000-36960	SCREW, M10X163	6	6	6	6	6	6	
18	1	165000-37330	STUD	6	6	6	6	6	6	
19	1	165000-28870	NUT, FLANGE M10	6	6	6	6	6	6	
20	1	165000-37130	SENSOR, TEMPERATURE	1	1	1	1	1	1	
21	1	165000-37080	SEAL	1	1	1	1	1	1	
22	1	165000-35460	MONITOR, TEMP 93	1	1	1	1	1	1	1
22A	1	165000-35470	MONITOR, TEMP 98	1	1	1	1	1	1	
22B	1	165000-35480	MONITOR, TEMP 105	1	1	1	1	1	1	
23	1	165000-37080	SEAL	1	1	1	1	1	1	
24	1	165000-35450	MONITOR, LEVEL	1	1	1				
24-1	1	165000-32110	MONITOR, LEVEL	1	1	1	1	1	1	N
(A=E*****) (B=E6518290) (C=E6518290)										
24A	2	165000-35210	HOUSING	1	1	1				
24B	2	165000-28400	SOCKET	3	3	3				
24C	2	165000-32800	LOCK	1	1	1				
25	1	165000-27780	SEAL	1	1	1	1	1	1	
(A=E*****) (B=E6518290) (C=E6518290)										

Fig.30. WATER-COOLD TURBINE

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49650	TURBINE	1							
1-1	1	165000-72810	TURBINE	1							N
(A=E*****)											
1A	1	165000-72870	TURBINE		1	1	1	1	1		
2	1	165000-34650	GASKET	1	1	1	1	1	1		
3	1	165000-37340	STUD, M10X55	4	4	4	4	4	4		
4	1	165000-28860	NUT, FLANGE M10	4	4	4					
4-1	1	165001-21370	NUT, FLANGE M10	4	4	4	4	4	4		N
(A=E*****) (B=E*****) (C=E*****)											
5	1	165000-38010	WASHER, SPACING	4	4	4	4	4	4		
6A	1	165001-26330	WASTE GATE BOX ASY	1							W
6B	1	165001-30950	WASTE GATE BOX ASY		1	1	1	1	1		W

Fig.32. SOLENOID VALVE

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	165000-91100	VALVE, SOLENOID		1	1	1	1	1		
4	1	165000-91110	SCREW		2	2	2	2	2		
5	1	165000-91120	CLAMP, HOSE		4	4	4	4	4		
6	1	165000-91130	UNION, HOSE		1	1	1	1	1		
7	1	165000-91140	HOSE		1	1	1	1	1		
8	1	165000-26190	CLAMP, 12		2	2	2	2	2		
9	1	165000-27280	SCREW, M8X14		2	2	2	2	2		
10	1	165000-91140	HOSE		1	1	1	1	1		
11	1	165000-91150	CLAMP		1	1	1	1	1		
12	1	165000-91160	SCREW,FLANGE		1	1	1	1	1		
13	1	165000-91170	NUT,LOCK		1	1	1	1	1		

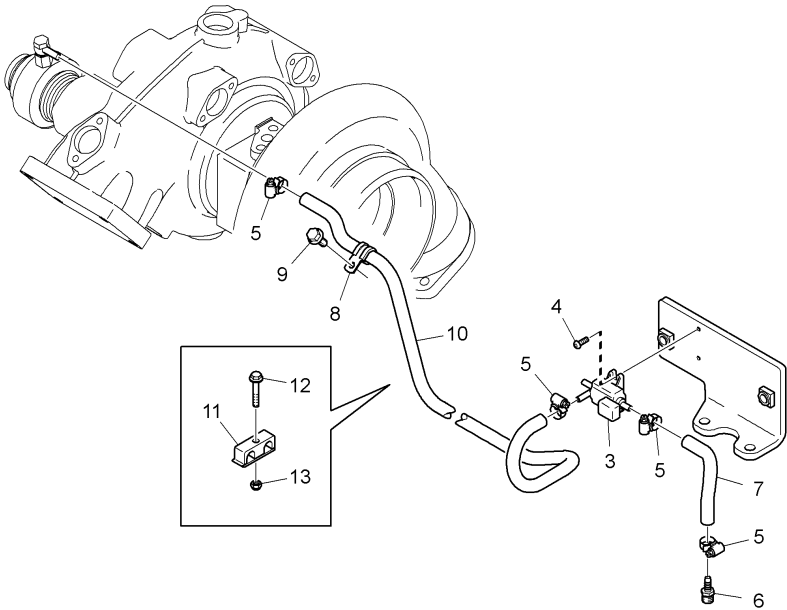
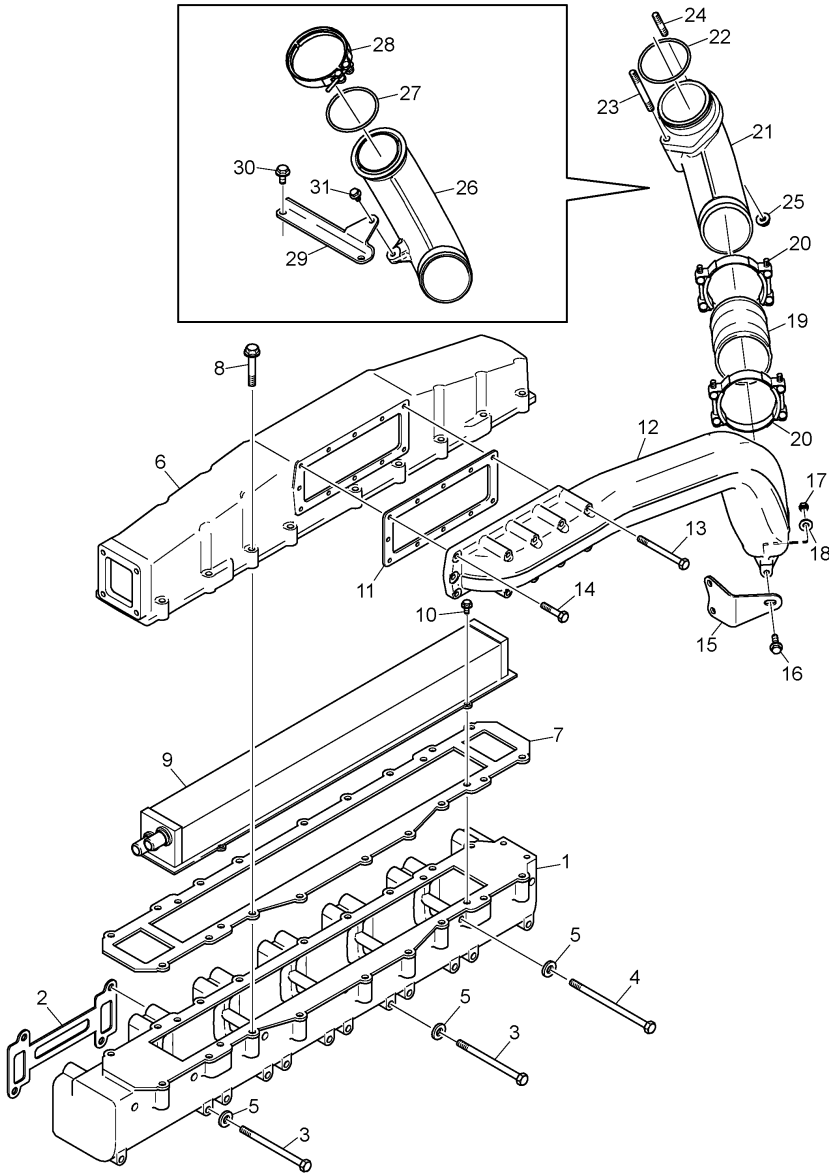


Fig.33. INTAKE MANIFOLD(E-6512436)



132811

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

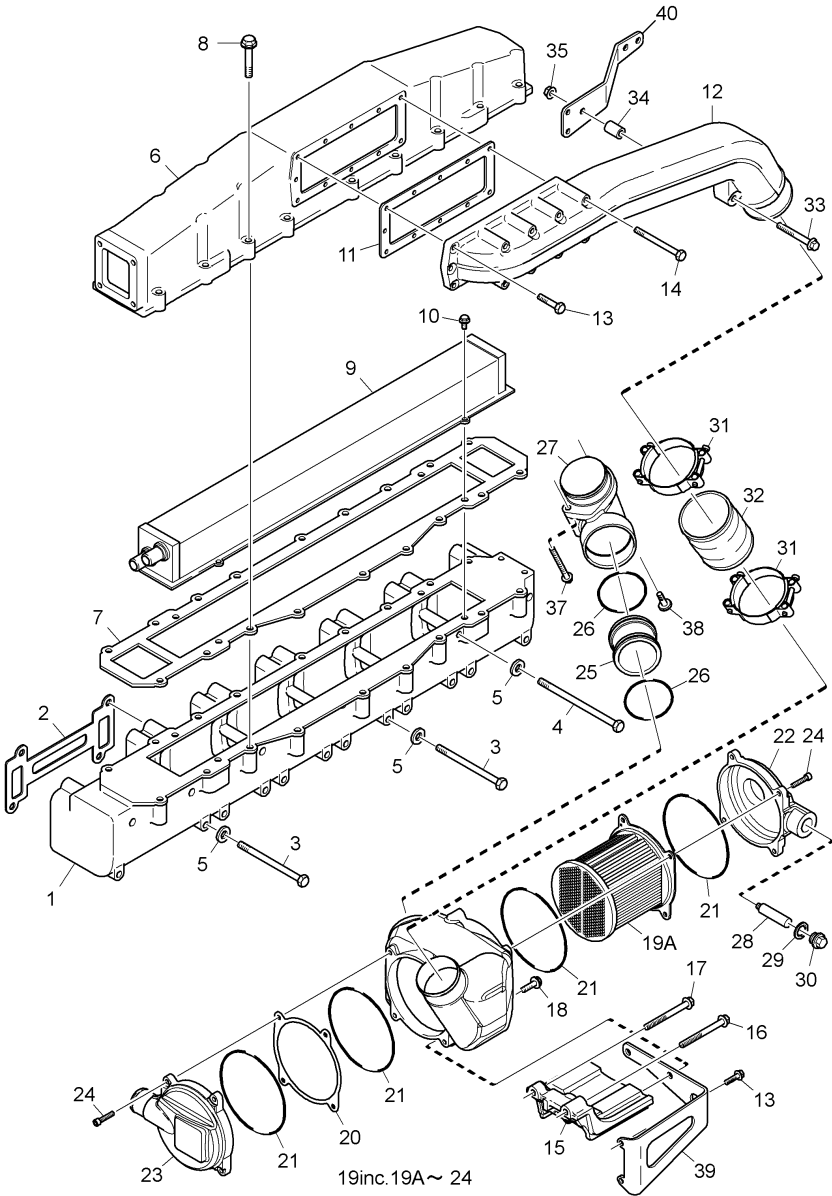
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35420	MANIFOLD, INTAKE	1							
1-1	1	165000-58620	MANIFOLD,INTAKE	1							N
(A=E*****)											
2	1	165000-25380	GASKET, INTAKE	6							
3	1	165000-37030	SCREW, HEXAGON	12							
3-1	1	165001-44350	SCREW, FLANGE	12							N
(A=E*****)											
4	1	165000-37040	SCREW, HEXAGON	7							
4-1	1	165001-44360	SCREW, FLANGE	7							N
(A=E*****)											
5	1	165000-33150	WASHER, 8.4X16X1.6	19							
6	1	165000-35430	MANIFOLD, INTAKE	1							
6-1	1	165000-58630	MANIFOLD,INTAKE	1							N
7	1	165000-34870	GASKET	1							
8	1	165000-27410	SCREW, M8X50	18							
9	1	165000-24920	COOLER, AIR CHARGE	1							
10	1	165000-27290	SCREW, M8X16	4							
11	1	165000-34890	GASKET	1							
12	1	165000-35910	PIPE, AIR CHARGE	1							
12-1	1	165000-72880	PIPE, CAC	1							N
(A=E*****)											
13	1	165000-36750	SCREW	8							
14	1	165000-27360	SCREW, M8X30	3							
15	1	165000-33770	BRACKET	1							
16	1	165000-27330	SCREW, M8X25	1							
16-1	1	165000-27360	SCREW, M8X30	1							N
(A=E*****)											
17	1	165000-29060	NUT, HEXAGON M8	1							
18	1	165000-37860	WASHER	1							
19	1	165000-35140	HOSE	1							
20	1	165000-48880	CLAMP, HOSE	2							
21	1	165000-35920	PIPE, AIR CHARGE	1							
22	1	165000-24670	O-RING, 84.1X5.7	1							
23	1	165000-49610	STUD	1							
23-1	1	165000-72900	SCREW, FLANGE 10X100	1							N
(A=E*****)											
24	1	165000-49620	STUD, M10X45	1							
24-1	1	165000-26950	SCREW, M10X35	1							N
(A=E*****)											
25	1	165000-28870	NUT, FLANGE M10	2							
26	1	165000-49170	PIPE, AIR CHARGE	1							
27	1	165000-49110	O-RING, 79.2X3	1							
28	1	165000-49680	V-CLAMP	1							
29	1	165000-48800	BRACKET	1							
30	1	165000-49450	SCREW, M10X22	2							
31	1	165000-49500	SCREW, M8X22	1							

Fig.34. INTAKE MANIFOLD(E6512437-)

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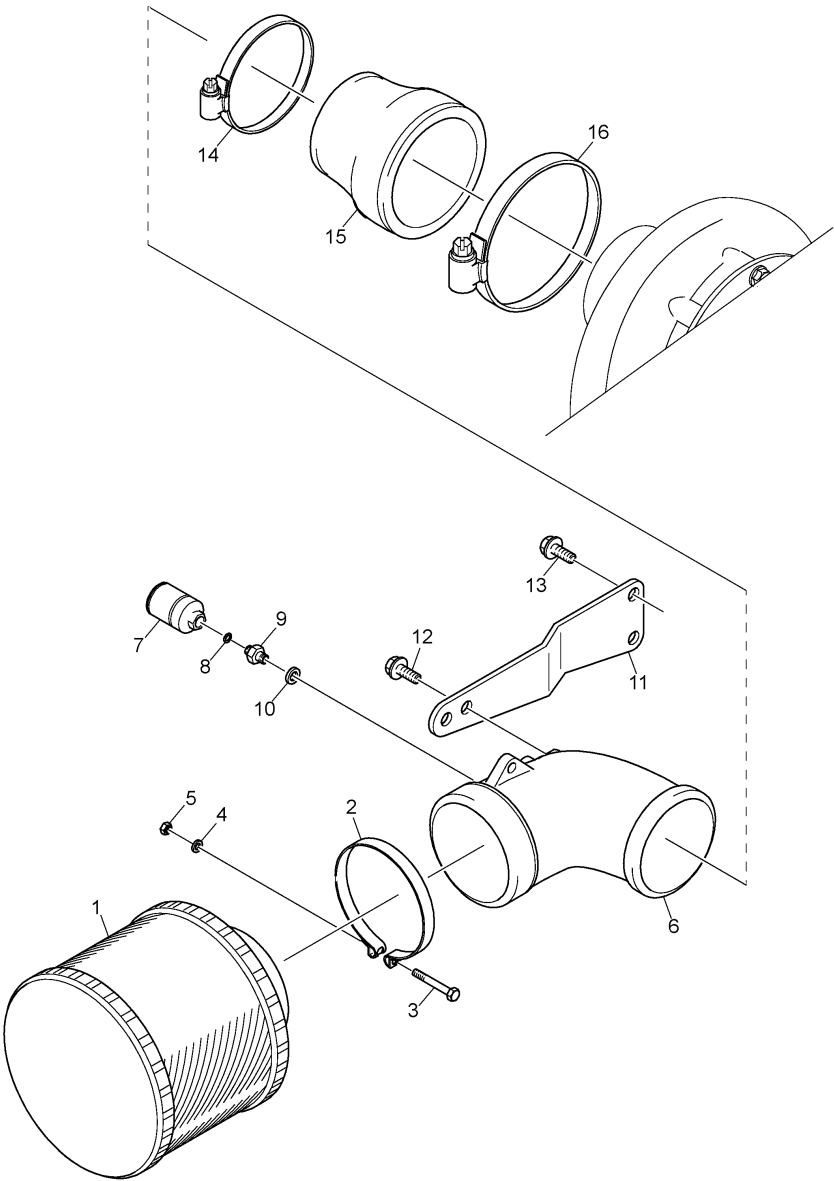
Fig.35. INTAKE MANIFOLD



143452

				OCR10-M57702 Fig.35							
				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		(D)=6SY650 (E)=6SY720 (F)=6SY750					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-58620	MANIFOLD,INTAKE		1	1	1	1	1		
2	1	165000-25380	GASKET, INTAKE		6	6	6	6	6		
3	1	165000-37030	SCREW, HEXAGON		12	12					
3-1	1	165001-44350 (B=E*****) (C=E*****)	SCREW, FLANGE		12	12	12	12	12		
4	1	165000-37040	SCREW, HEXAGON		7	7					
4-1	1	165001-44360 (B=E*****) (C=E*****)	SCREW, FLANGE		7	7	7	7	7		
5	1	165000-33150	WASHER, 8.4X16X1.6		19	19					
6	1	165000-58630	MANIFOLD,INTAKE		1	1	1	1	1		
7	1	165000-34870	GASKET		1	1	1	1	1		
8	1	165000-27410	SCREW, M8X50		18	18	18	18	18		
9	1	165000-24920	COOLER, AIR CHARGE		1	1					
10	1	165000-27290	SCREW, M8X16		4	4	4	4	4		
11	1	165000-34890	GASKET		1	1	1	1	1		
12	1	165000-72880	PIPE, CAC		1	1	1	1	1		
13	1	165000-27360	SCREW, M8X30		5	5	5	5	5		
14	1	165000-36750	SCREW		8	8	8	8	8		
15	1	165000-72890	BRACKET		1	1					
15-1	1	165000-93500 (B=E*****) (C=E*****)	BRACKET		1	1					
15-2	1	165001-30960 (B=E*****) (C=E*****)	BRACKET		1	1	1	1	1		
16	1	165000-72900	SCREW, FLANGE		1	1	1	1	1		
17	1	165000-36940	SCREW, M10X80		1	1	1	1	1		
18	1	165000-26950	SCREW, M10X35		2	2	2	2	2		
19	1	165000-72910	COOLER, AIR CHARGE		1	1	1	1	1		
19A	2	165000-72920	CORE ASSY,CAC		1	1	1	1	1		
20	2	165000-72930	FLANGE		1	1	1	1	1		
21	2	165000-72940	O-RING		4	4	4	4	4		
22	2	165000-72950	COVER		1	1	1	1	1		
23	2	165000-72960	COVER		1	1	1	1	1		
24	2	165000-72970	SCREW,SOCKET		8	8	8	8	8		
25	1	165000-72980	HOLDER		1	1	1	1	1		
26	1	165000-24670	O-RING, 84.1X5.7		2	2	2	2	2		
27	1	165000-72990	PIPE, AIR CHARGE		1	1	1	1	1		
28	1	165000-73000	ANODE, SACRIFICIAL		1	1	1	1	1		
29	1	165000-27920	RING, SEALING		1	1	1	1	1		
30	1	165000-31370	PLUG		1	1	1	1	1		
31	1	165000-48880	CLAMP, HOSE		2	2	2	2	2		
32	1	165000-35140	HOSE		1	1	1	1	1		
33	1	165000-36940	SCREW, M10X80		1	1	1	1	1		
34	1	165000-90170	SPACER		1	1	1	1	1		
35	1	165000-28870	NUT, FLANGE M10		1	1	1	1	1		
37	1	165000-72900	SCREW, FLANGE		1	1	1	1	1		
38	1	165000-36930	SCREW, FLANGE		1	1	1	1	1		
39	1	165000-93510	BRACKET		1	1	1	1	1		W
40	1	165001-45820	BRACKET		1	1	1	1	1		
40-1	1	165001-45880	BRACKET		1	1	1	1	1		
				(B=E6513522)	(C=E6513522)	(D=E6513522)	(E=E6513522)	(F=E6513522)			

Fig.36. AIR CLEANER,W-COOLED TURBINE



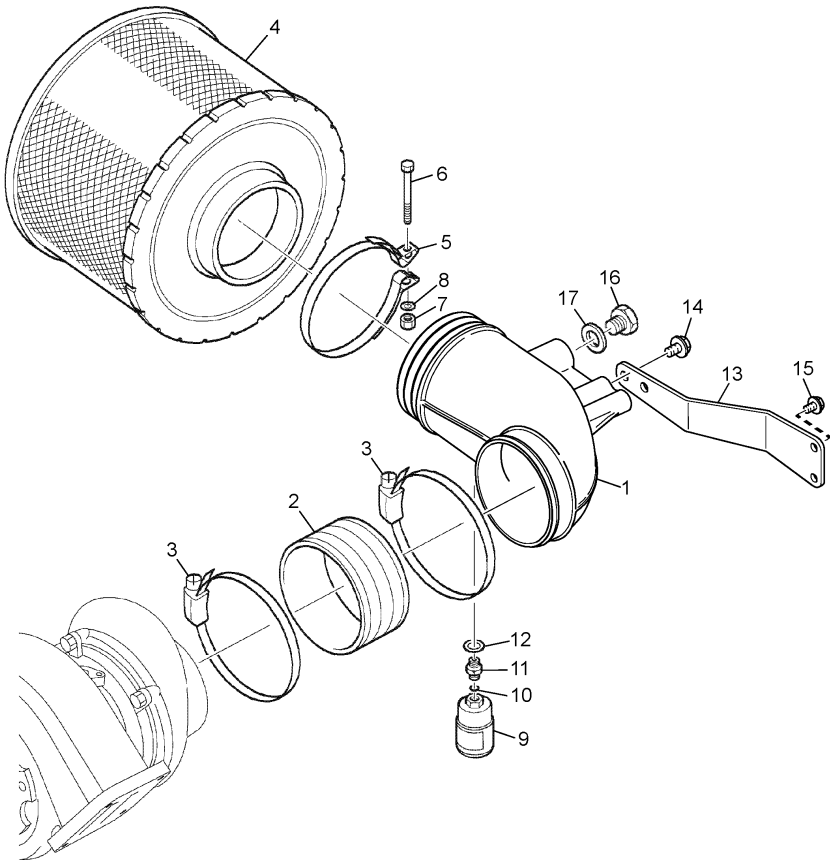
132805

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

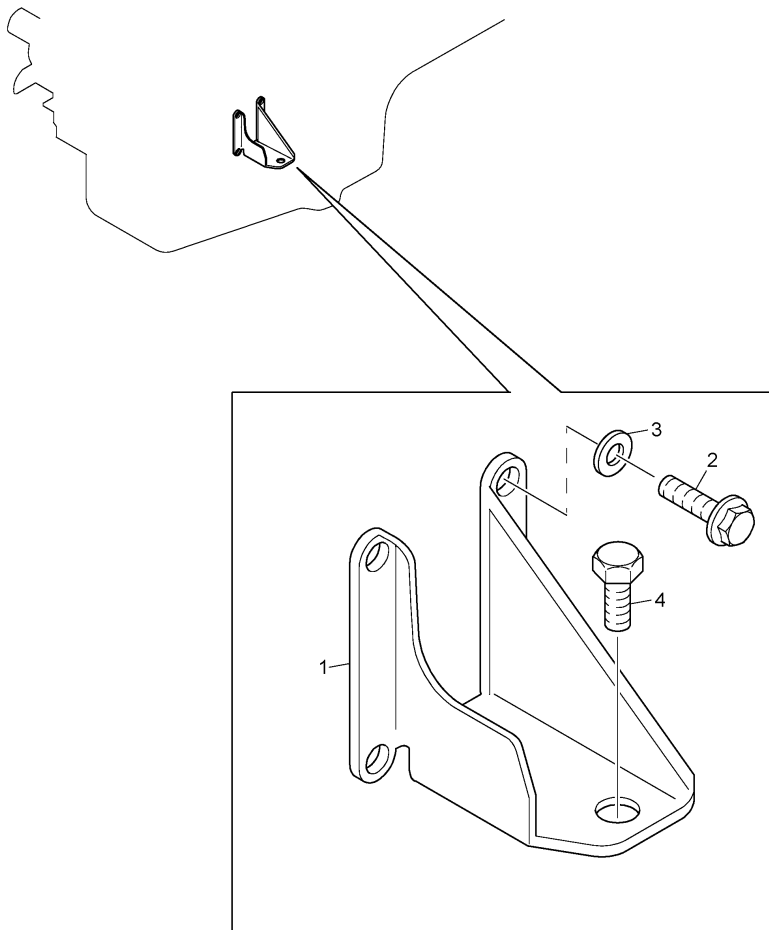
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-24950	CLEANER, AIR 6.5M2	1	1	1	1	1	1		
2	1	165000-28050	STRAP	1	1	1	1	1	1		
3	1	165000-27470	SCREW, M8X75	1	1	1	1	1	1		
4	1	165000-33150	WASHER, 8.4X16X1.6	1	1	1	1	1	1		
5	1	165000-29070	NUT, M8	1	1	1	1	1	1		
6	1	165000-33580	BEND, PIPE	1	1	1	1	1	1		
7	1	165000-24890	INDICATOR, PRESSURE	1	1	1	1	1	1		
8	1	165000-27750	SEAL	1	1	1	1	1	1		
9	1	165000-32190	UNION	1	1	1	1	1	1		
10	1	165000-37080	SEAL	2	2	2	1	1	1		
11	1	165000-33780	BRACKET	1	1	1	1	1	1		
11-1	1	165000-90180	BRACKET	1	1	1	1	1	1		N
(A=E6513522) (B=E6513522) (C=E6513522) (D=E6513522) (E=E6513522) (F=E6513522)											
12	1	165000-36760	SCREW	2	2	2	2	2	2		
13	1	165000-27300	SCREW, M8X20	2	2	2	2	2	2		
14	1	165000-34080	CLAMP, HOSE	1	1	1	1	1	1		
15	1	165000-35170	HOSE	1	1	1	1	1	1		
16	1	165000-31810	CLAMP, HOSE	1	1	1	1	1	1		

Fig.37. AIR CLEANER,AIR-COOLED TURBINE



(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49160	PIPE, AIR	1							
2	1	165000-49040	HOSE	1							
3	1	165000-31820	CLAMP, HOSE	2							
4	1	165000-24950	CLEANER, AIR 6.5M2	1							
5	1	165000-28050	STRAP	1							
6	1	165000-27470	SCREW, M8X75	1							
7	1	165000-29070	NUT, M8	1							
8	1	165000-33150	WASHER, 8.4X16X1.6	1							
9	1	165000-24890	INDICATOR, PRESSURE	1							
10	1	165000-27750	SEAL	1							
11	1	165000-32190	UNION	1							
12	1	165000-37080	SEAL	1							
13	1	165000-48810	BRACKET	1							
14	1	165000-36760	SCREW	2							
15	1	165000-27300	SCREW, M8X20	2							
16	1	165000-30950	PLUG, M26X1.5X9	1							
17	1	165000-25630	GASKET, 26.3X30.9	1							



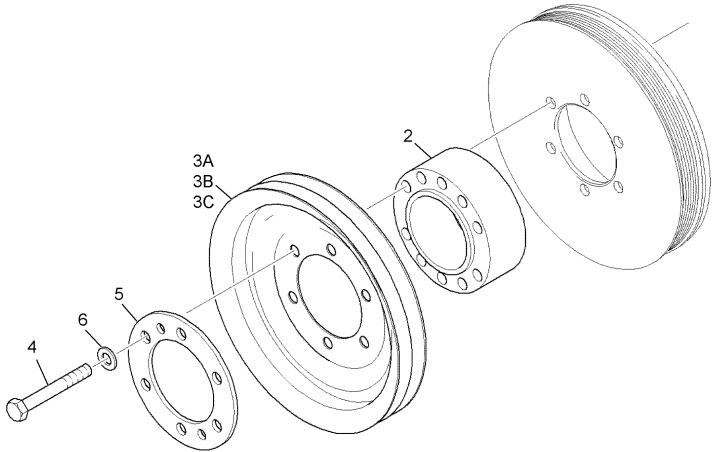
No.	Lev.	Parts No.	Description	Q'ty						I
				(A)	(B)	(C)	(D)	(E)	(F)	R
1	1	165000-48790	ATTACHMENT, MOTOR	2	2	2	2	2	2	
2	1	165000-37000	SCREW, M16X1,5X50	8	8	8	8	8	8	
3	1	165000-33110	WASHER, 17X30	8	8	8	8	8	8	
4	1	165000-36860	SCREW, ADJUSTING	2	2	2	2	2	2	W

Fig.39. POWER TAKE-OFF (OPTION)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-30360	PIECE, INTERMEDIATE	1	1	1					
2-1	1	165000-73750	DRIVER	1	1	1	1	1	1	N	
		(A=E*****) (B=E*****) (C=E*****)									
3A	1	165000-36300	PULLEY 2 192MM	1	1	1	1	1	1		1
3B	1	165000-31410	PULLEY 2 260MM	1	1	1	1	1	1		2
3C	1	165000-49360	PULLEY 3 260MM	1	1	1	1	1	1		3
4	1	165000-49480	SCREW, M12X80	6	6	6	6	6	6		
5	1	165000-32940	WASHER	1	1	1	1	1	1		4
6	1	165000-33090	WASHER, 13X24	6	6	6					5
6-1	1	165000-37930	WASHER, 13X24	6	6	6	6	6	6	N	5
		(A=E*****) (B=E*****) (C=E*****)									



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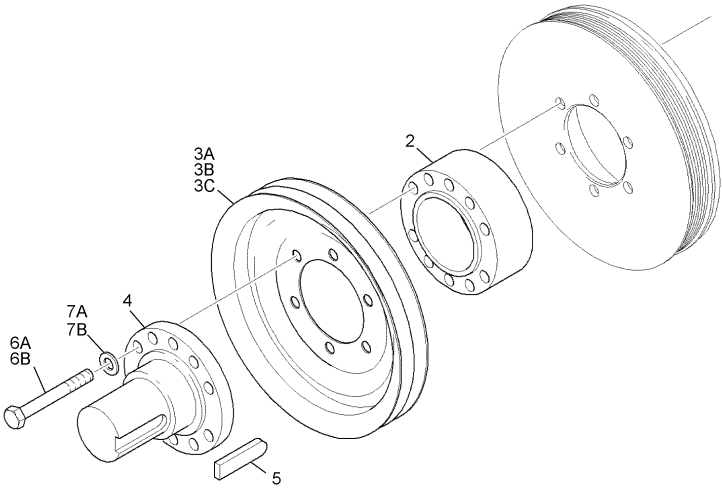
Remarks
(1) 2 GROOVES, DIA 192 mm
(2) 2 GROOVES, DIA 260 mm
(3) 3 GROOVES,DIA 260 mm
(4)260mm
(5)192mm

Fig.40. POWER TAKE-OFF (OPTION)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-73750	DRIVER	1	1	1	1	1	1		
3A	1	165000-31410	PULLEY 2 635NM	1	1	1	1	1	1		1
3B	1	165000-49350	PULLEY 2 1200NM	1	1	1	1	1	1		2
3C	1	165000-49360	PULLEY 3 1200NM	1	1	1	1	1	1		3
4	1	165001-26580	JOURNAL, SHAFT	1	1	1	1	1	1		
5	1	165000-25940	KEY	1	1	1	1	1	1		
6A	1	165000-49460	SCREW, M12X100 635	6	6	6	6	6	6		4
6B	1	165000-49460	SCREW, M12X100 1200	10	10	10	10	10	10		5
7A	1	165000-33090	WASHER, 13X24 635	6	6	6	6	6	6		4
7B	1	165000-33090	WASHER, 13X24 1200	10	10	10	10	10	10		5



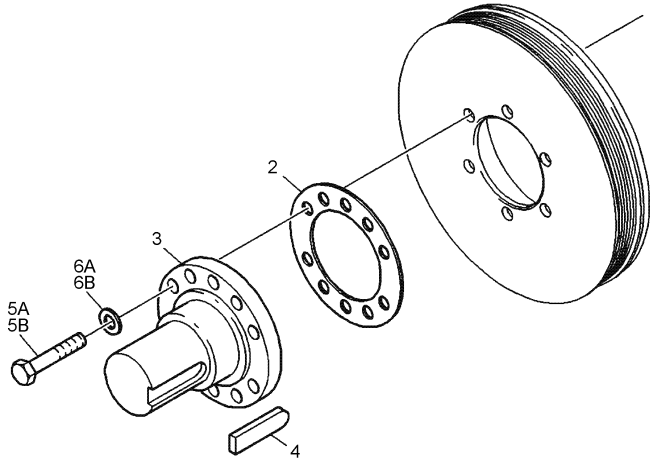
137335

Remarks
(1)DIA 260 2 GROOVES, 635 Nm
(2)DIA 260 2 GROOVES, 1200 Nm
(3)DIA 260 3 GROOVES, 1200 Nm
(4)635Nm
(5)1200Nm

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

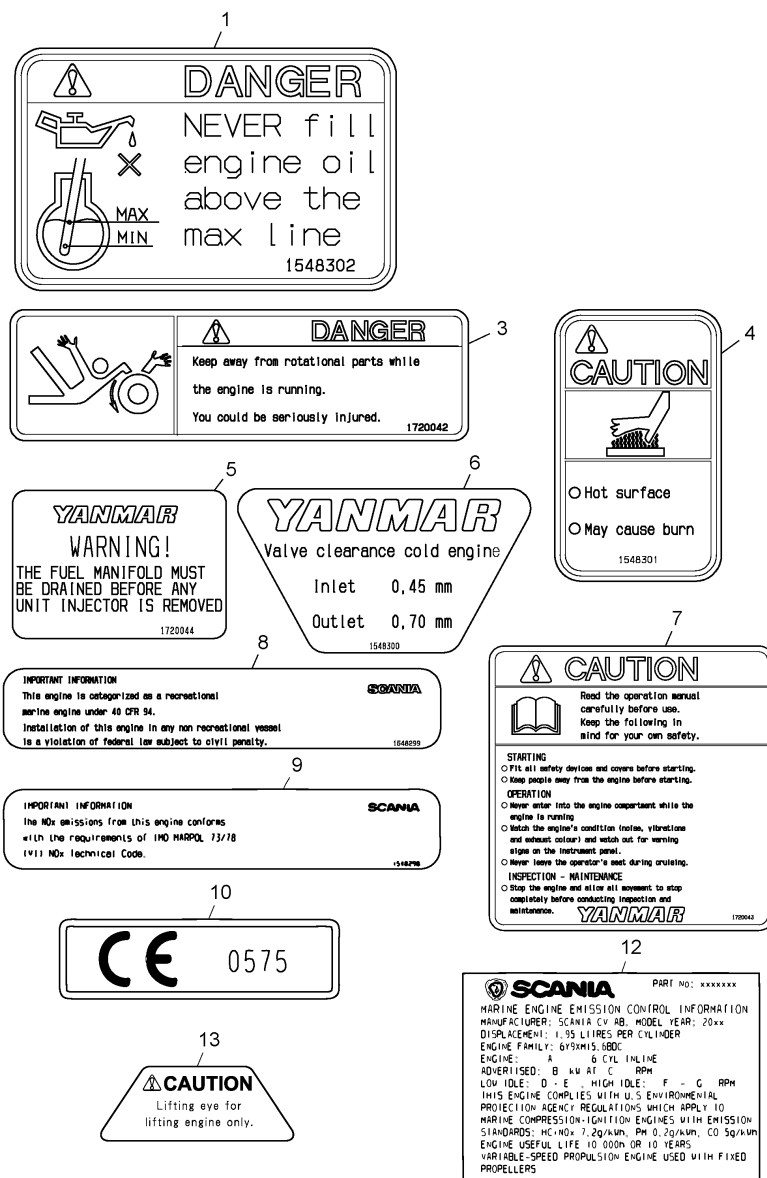
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-49600	SPACER	1	1	1	1	1	1		
3	1	165001-26580	JOURNAL, SHAFT	1	1	1	1	1	1		
4	1	165000-25940	KEY	1	1	1	1	1	1		
5A	1	165000-49440	SCREW, HEXAGON	6	6	6	6	6	6		1
5B	1	165000-49440	SCREW, HEXAGON	10	10	10	10	10	10		2
6A	1	165000-33090	WASHER, 13X24	6	6	6	6	6	6		1
6B	1	165000-33090	WASHER, 13X24	10	10	10	10	10	10		2



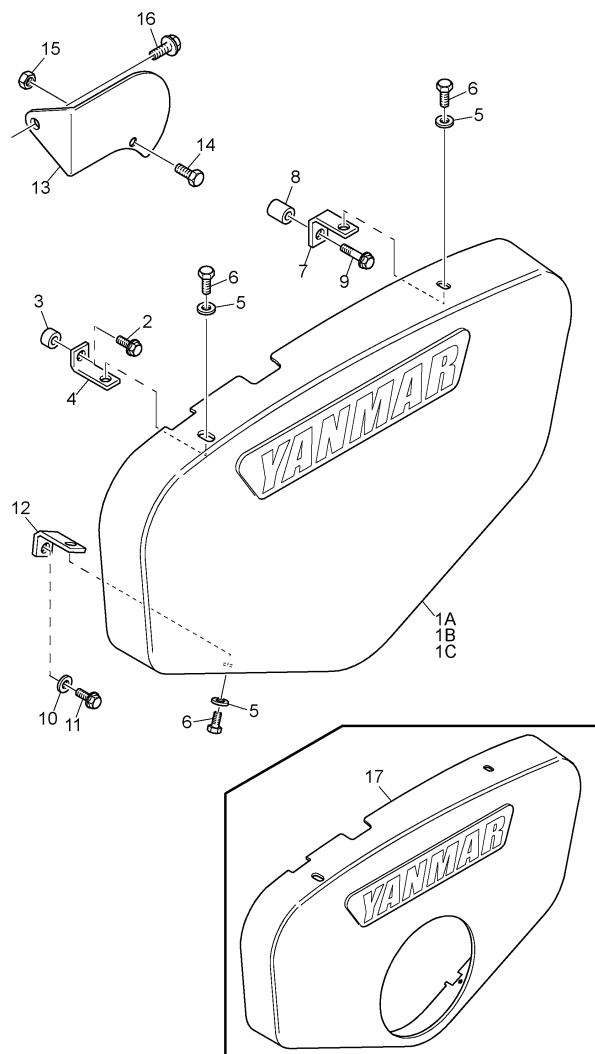
137334

Remarks
(1)635Nm
(2)1200Nm



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49300	PLATE, WARNING	1	1	1	1	1	1		
3	1	165000-49310	PLATE, WARNING	1	1	1	1	1	1		
4	1	165000-49320	PLATE, WARNING	2	2	2	2	2	2		
5	1	165000-49330	PLATE, WARNING	1	1	1	1	1	1		
6	1	165000-49240	PLATE	1	1	1	1	1	1		
7	1	165000-49340	PLATE, WARNING	1	1	1	1	1	1		
8	1	165000-49080	INSTRUKTION, SSKYLT	1	1	1	1	1	1		
9	1	165000-50710	PLATE, INSTRUCTION	1	1	1	1	1	1	W	
10	1	165000-31500	PLATE	1	1	1				W	
10-1	1	165000-91180	PLATE	1	1	1	1	1	1	W	
12	1	165000-91180	PLATE			1				W	
13	1	165001-44300	PLATE, WARNING	1	1	1	1	1	1	W	

Fig.43. PROTECTIVE CASING(-E6515259)

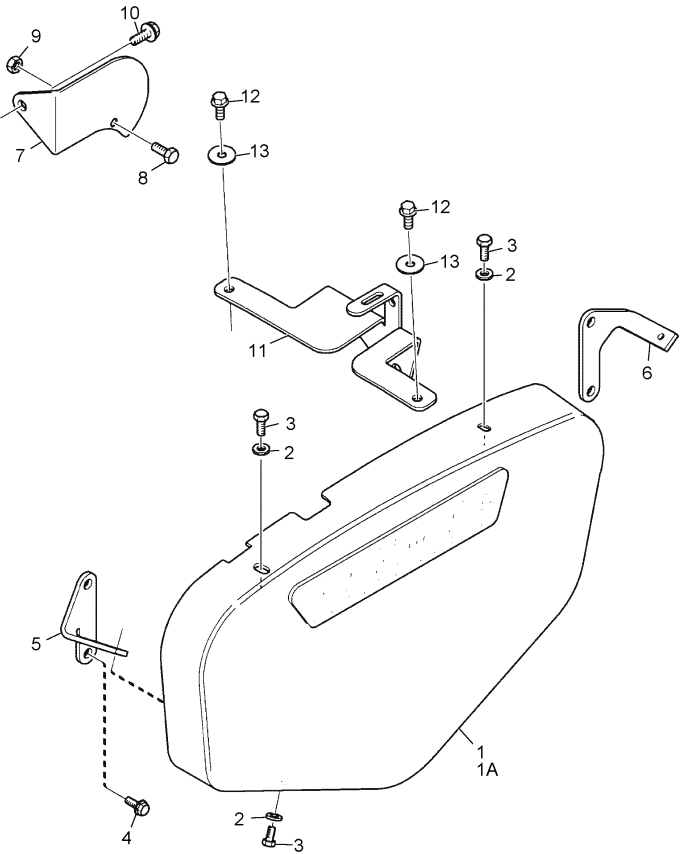


132800

No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	165000-33980	CASE, PROTECTIVE	1	1	1					1
1A-1	1	165001-30970	CASE, PROTECTIVE	1	1	1				N	1
		(A=E*****)	(B=E*****)	(C=E*****)							
1B	1	165000-33990	CASE, PROTECTIVE	1	1	1					2
1B-1	1	1852559	CASE, PROTECTIVE	1	1	1				N	2
		(A=E*****)	(B=E*****)	(C=E*****)							
1C	1	165000-33990	CASE, PROTECTIVE	1	1	1					3
1C-1	1	1852559	CASE, PROTECTIVE	1	1	1				N	3
		(A=E*****)	(B=E*****)	(C=E*****)							
2	1	165000-27410	SCREW, M8X50	1	1	1					
3	1	165000-28780	TUBE, SPACING 10MM	1	1	1					
4	1	165000-33650	BRACKET	1	1	1					
5	1	165000-37960	WASHER	4	4	4					
6	1	165000-37020	SCREW, HEXAGON	4	4	4					
7	1	165000-33660	BRACKET	1	1	1					
8	1	165000-37560	TUBE, SPACING 19MM	1	1	1					
9	1	165000-26990	SCREW, M10X40	1	1	1					
10	1	165000-37850	WASHER	2	2	2					
11	1	165000-36930	SCREW, FLANGE	2	2	2					
12	1	165000-33670	BRACKET	2	2	2					
13	1	165000-36160	PLATE, PROTECTIVE	1	1	1					
14	1	165000-26910	SCREW, M10X25	1	1	1					
14-1	1	165000-26930	SCREW, M10X30	1	1	1					
		(A=E*****)	(B=E*****)	(C=E*****)							
15	1	165000-28870	NUT, FLANGE M10	1	1	1					
15-1	1	165000-35570	NUT, LOCK M10	1	1	1					
		(A=E*****)	(B=E*****)	(C=E*****)							
16	1	165000-36990	SCREW, FLANGE	1	1	1					

Remarks
(1)WITHOUT PTO ENGINE
(2)WITH PTO ENGINE
(3)WITH EXTRA PULLEY

Fig.44. PROTECTIVE CASING(BELT



150744

Remarks
(1) WITHOUT PTO ENGINE
(2) WITH PTO ENGINE

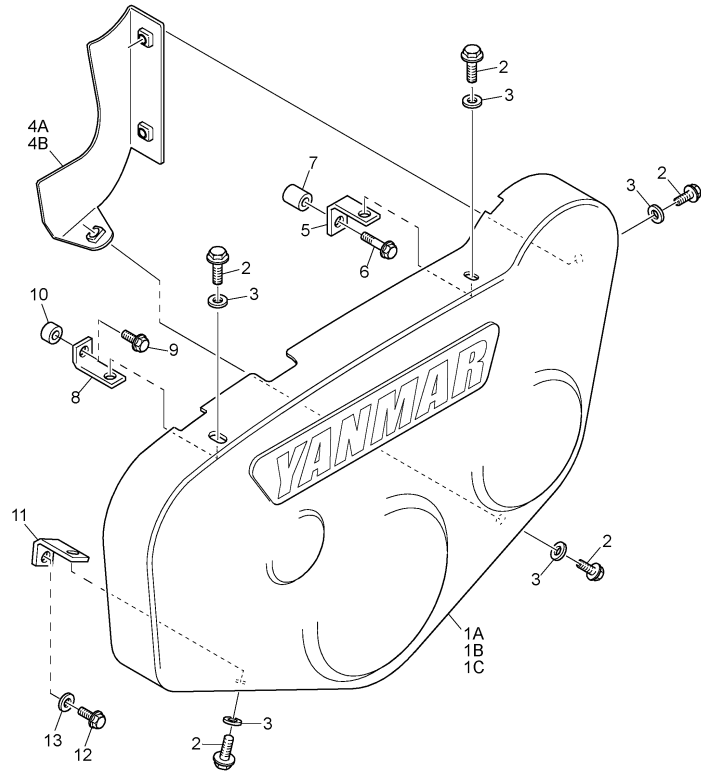
OCR10-M57702 Fig.44
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-30970	CASE, PROTECTIVE	1	1	1	1	1	1	1	1
1A	1	165001-45480	CASE, PROTECTIVE	1	1	1	1	1	1	1	2
2	1	165000-37960	WASHER	4	4	4	4	4	4		
3	1	165000-27300	SCREW, M8X20	4	4	4	4	4	4		
4	1	165000-36920	SCREW, M10X45	4	4	4	4	4	4		
5	1	165001-30980	BRACKET	1	1	1	1	1	1		
6	1	165001-30990	BRACKET	1	1	1	1	1	1		
7	1	165000-36160	PLATE, PROTECTIVE	1	1	1	1	1	1		
8	1	165000-26930	SCREW, M10X30	1	1	1	1	1	1		
9	1	165000-35570	NUT, LOCK M10	1	1	1	1	1	1		
10	1	165000-36990	SCREW, FLANGE	1	1	1	1	1	1		
11	1	165001-31000	BRACKET	1	1	1	1	1	1		
12	1	165001-30880	SCREW, FLANGE	2	2	2	2	2	2		
13	1	165000-27080	SCREW, M12X35	1	1	1	1	1	1		

Fig.45. PROTECTIVE CASING(OPTION)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



132269

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	165000-33960	CASE, PROTECTIVE	1	1	1	1	1	1	1	1
1B	1	165000-33970	CASE, PROTECTIVE	1	1	1	1	1	1	1	2
1C	1	165000-33970	CASE, PROTECTIVE	1	1	1	1	1	1	1	3
2	1	165000-27290	SCREW, M8X16	7	7	7	7	7	7	7	
3	1	165000-37960	WASHER	7	7	7	7	7	7	7	
4A	1	165000-36140	PLATE, PROTECTIVE	1	1	1	1	1	1	1	4
4B	1	165000-36150	PLATE, PROTECTIVE	1	1	1	1	1	1	1	5
5	1	165000-33660	BRACKET	1	1	1	1	1	1	1	
6	1	165000-26990	SCREW, M10X40	1	1	1	1	1	1	1	
7	1	165000-37230	SLEEVE, SPACING	1	1	1	1	1	1	1	
8	1	165000-33650	BRACKET	1	1	1	1	1	1	1	
9	1	165000-27410	SCREW, M8X50	1	1	1	1	1	1	1	
10	1	165000-28780	TUBE, SPACING	1	1	1	1	1	1	1	
11	1	165000-33670	BRACKET	2	2	2	2	2	2	2	
12	1	165000-36930	SCREW, FLANGE	2	2	2	2	2	2	2	
13	1	165000-37850	WASHER	2	2	2	2	2	2	2	

Remarks
(1)WITHOUT PTO ENGINE
(2)WITH PTO ENGINE
(3)WITH EXTRA PULLEY
(4)WITHOUT BILGE PUMP
(5)WITH BILGE PUMP FOR ENGINES

Fig.46. PROTECTIVE CASING TURBINE

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-48850	CASE	1	1	1				Z	
2	1	165000-49260	PLATE, PROTECTIVE	1	1	1				Z	
3	1	165000-49270	PLATE, PROTECTIVE	1	1	1				Z	
4	1	165000-49280	PLATE, PROTECTIVE	1	1	1				Z	
5	1	165000-49290	PLATE, PROTECTIVE	1	1	1				Z	
6	1	165000-27270	SCREW, M8X12	4	4	4				Z	
7	1	165000-27210	SCREW	15	15	15				Z	
8	1	165000-27240	SCREW	1	1	1				Z	

Illustration not ready.

Fig.47. PROTECTIVE CASING TURBINE(-E6515331)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-73760	HEAT SHIELD		1	1					
1-1	1	165001-36330	HEAT SHIELD		1	1					N
		(B=E****)	(C=E****)								
2	1	165000-73770	BRACKET		1	1					
2-1	1	165001-26370	BRACKET		1	1					N
		(B=E****)	(C=E****)								
3	1	165000-73780	BRACKET		1	1					
3-1	1	165001-26380	BRACKET		1	1					N
		(B=E****)	(C=E****)								
4	1	165000-27290	SCREW		6	6					
5	1	165000-34770	GASKET		1	1					
6	1	165000-27300	SCREW		2	2					
7	1	165000-26930	SCREW		1	1					
8	1	165000-73790	SPACER		1	1					

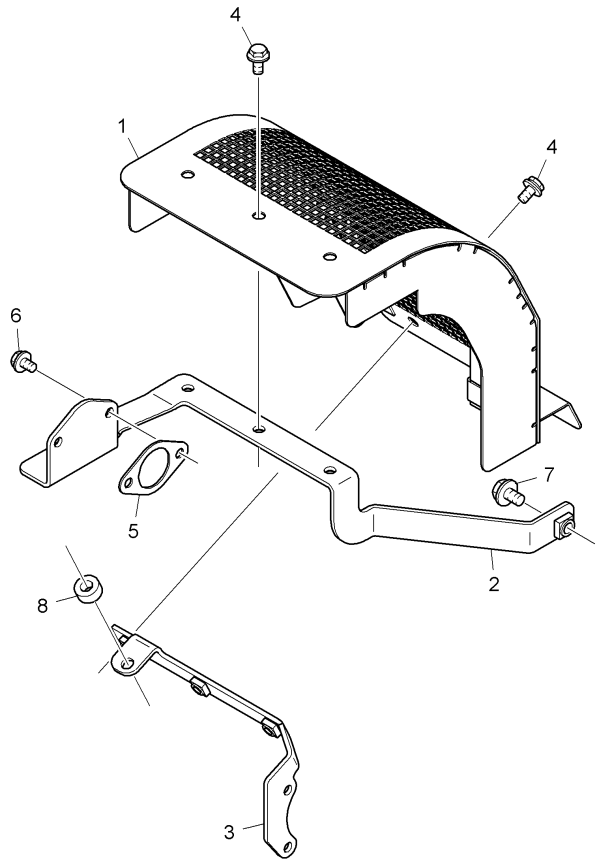
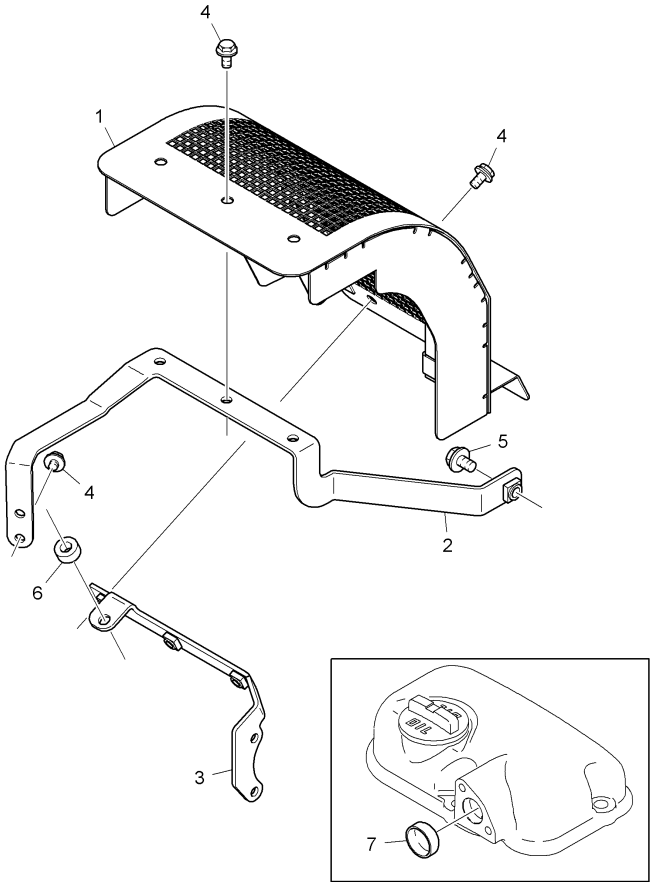


Fig.48. PROTECTIVE CASING TURBINE(E6515332-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-73760	HEAT SHIELD		1	1					
1-1	1	165001-36330	HEAT SHIELD		1	1	1	1	1	N	
(A=E*****) (B=E*****)											
2	1	165001-26370	BRACKET		1	1	1	1	1		
3	1	165001-26380	BRACKET		1	1	1	1	1		
4	1	165000-27290	SCREW		8	8	8	8	8		
5	1	165000-26930	SCREW		1	1	1	1	1		
6	1	165000-73790	SPACER		1	1	1	1	1		
7	1	165000-30730	PLUG, CORE		1	1	1	1	1		1



146308

Remarks
(1) REQUIRE

Fig.49. INSULATION,AIR-COOLED TURBINE

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-58640	INSULATION	1							
2	1	165000-58650	TIE, CABLE	1							
3	1	165000-58660	TIE, CABLE	1							

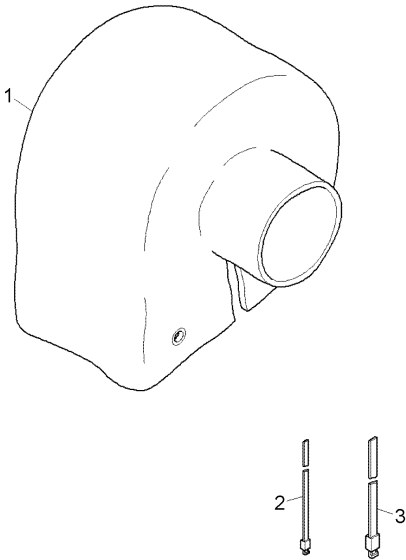
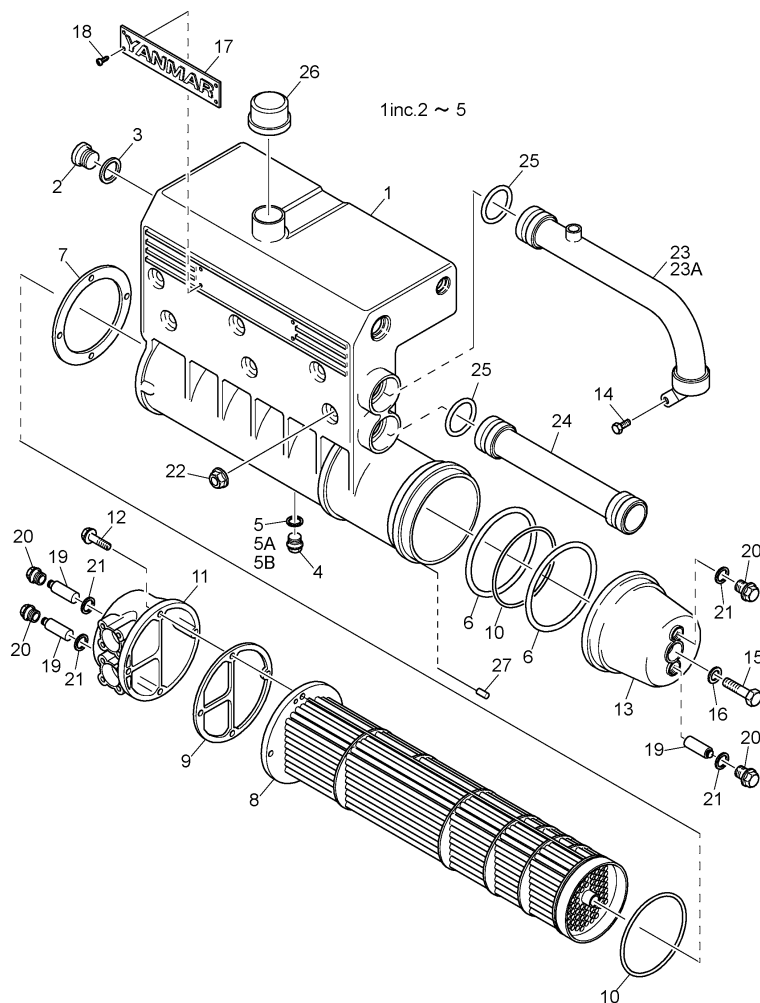


Fig.50. HEAT EXCHANGER(-E6516087)



132245

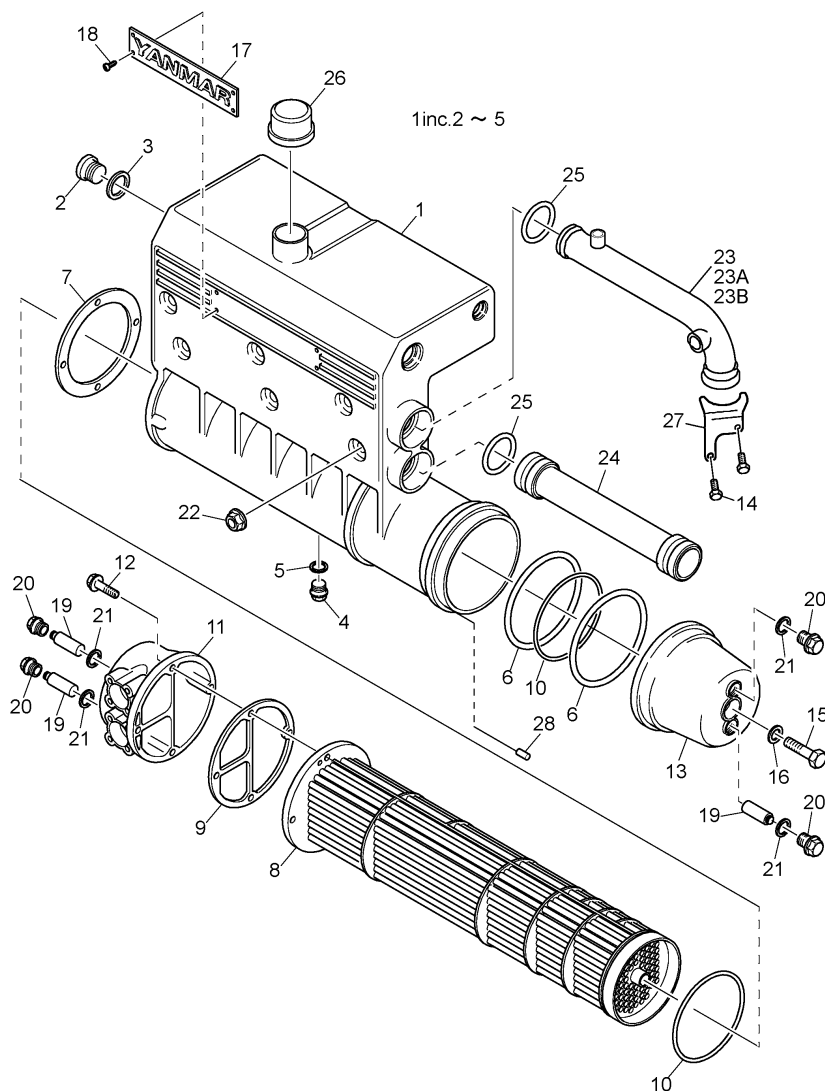
Remarks
(1)AIR COOLED TURBINE
(2)WATER COOLED TURBINE

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2					(D)=6SY650 (E)=6SY720 (F)=6SY750			
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	165000-34410	EXCHANGER CASE, HEAT	1	1	1						
1-1	1	165001-26590	EXCHANGER CASE, HEAT		1	1					N	
		(B=E6515525-)	(C=E6515525-)									
2	2	165000-36270	PLUG, M44X1.5	3	3	3						
3	2	165000-34660	GASKET	3	3	3						
4	2	165000-36220	PLUG, M10X1X6	2	2	2						
5	2	165000-25560	GASKET, 10.2X13.4	2	2	2						
5A	1	165000-30910	PLUG, M12X1.5X9	1							1	
5B	1	165000-27770	SEAL	1							1	
6	1	165000-35620	O-RING	2	2	2						
7	1	165000-34680	GASKET	1	1	1						
8	1	165000-34150	CORE, COOLER	1	1	1						
9	1	165000-34690	GASKET	1	1	1						
9-1	1	165001-44370	GASKET	1	1	1					N	
		(A=E*****)	(B=E*****)	(C=E*****)								
10	1	165000-35650	O-RING	1	1	1						
11	1	165000-34190	COVER	1	1	1						
12	1	165000-26990	SCREW, M10X40	5	5	5						
13	1	165000-34180	COVER	1	1	1						
14	1	165000-27220	SCREW, M6X14	1	1	1						
15	1	165000-36820	SCREW	1	1	1						
16	1	165000-24700	O-RING, 9X3	1	1	1						
17	1	165000-36110	PLATE	1	1	1						
18	1	165000-36720	SCREW	4	4	4						
19	1	165000-33440	ANODE, SACRIFICIAL	3	3	3						
20	1	165000-31370	PLUG	4	4	4						
21	1	165000-27920	RING, SEALING	4	4	4						
22	1	165000-28870	NUT, FLANGE M10	6	6	6						
23	1	165000-35750	PIPE	1	1	1					2	
23A	1	165000-49150	PIPE	1							1	
24	1	165000-35720	PIPE	1	1	1						
25	1	165000-35610	O-RING	4	4	4						
26	1	165000-26090	CAP, PRESSURE	1	1	1						
27	1	165001-39270	PIN	1	1	1					W	
		(A=E*****)	(B=E*****)	(C=E*****)								

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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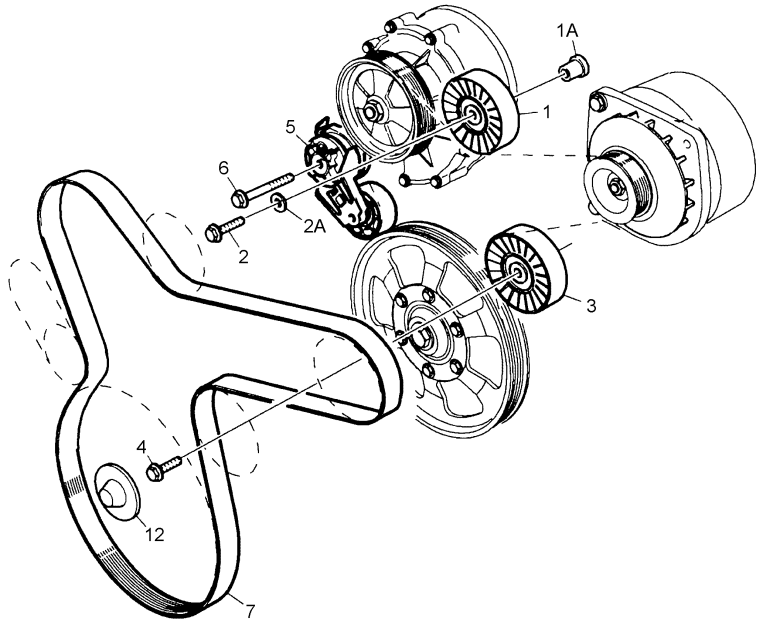
Fig.51. HEAT EXCHANGER(E6516088-)



132245

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2	(D)=6SY650 (E)=6SY720 (F)=6SY750						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-26590	EXCHANGER, HEAT		1	1	1	1	1		
2	2	165000-36270	PLUG, M44X1.5		3	3	3	3	3		
3	2	165000-34660	GASKET		3	3	3	3	3		
4	2	165000-36220	PLUG, M10X1X6		2	2	2	2	2		
5	2	165000-25560	GASKET, 10.2X13.4		2	2	2	2	2		
6	1	165000-35620	O-RING, 154.3X5.7		2	2	2	2	2		
7	1	165000-34680	GASKET		1	1	1	1	1		
8	1	165000-34150	CORE, COOLER		1	1	1	1	1		
9	1	165001-44370	GASKET		1	1	1	1	1		
10	1	165000-35650	O-RING		1	1	1	1	1		
11	1	165000-34190	COVER		1	1	1	1	1		
12	1	165000-26990	SCREW, M10X40		5	5	5	5	5		
13	1	165000-34180	COVER		1	1	1	1	1		
14	1	165000-49500	SCREW, M8X22		2	2	2	2	2		
15	1	165000-36820	SCREW		1	1	1	1	1		
16	1	165000-24700	O-RING, 9X3		1	1	1	1	1		
17	1	165000-36110	PLATE		1	1	1	1	1		
18	1	165000-36720	SCREW		4	4	4	4	4		
19	1	165000-33440	ANODE, SACRIFICIAL		3	3	3	3	3		
20	1	165000-31370	PLUG		4	4	4	4	4		
21	1	165000-27920	RING, SEALING		4	4	4	4	4		
22	1	165000-28870	NUT, FLANGE M10		6	6	6	6	6		
23	1	165001-26600	PIPE, WATER		1	1	1	1	1		
23A	1	165000-30950	PLUG, M26X1.5X9		1	1	1	1	1		
23B	1	165000-37090	SEAL		1	1	1	1	1		
24	1	165000-35720	PIPE		1	1	1	1	1		
25	1	165000-35610	O-RING		4	4	4	4	4		
26	1	165000-26090	CAP, PRESSURE		1	1	1	1	1		
27	1	165001-26610	BRACKET		1	1	1	1	1		
28	1	165001-39270	PIN		1	1	1	1	1		

Fig.52. BELT TRANSMISSION,ALT HIGH



155138

Remarks
(1)L=2105

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

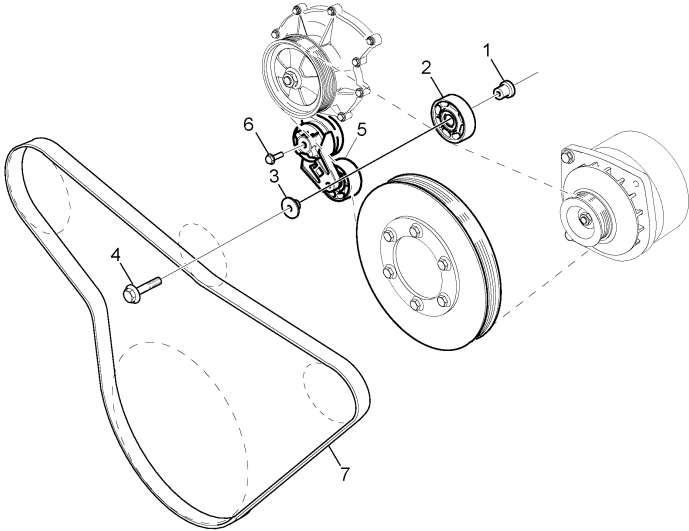
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36670	ROLLER	1	1	1	1	1	1		
1A	1	165000-37250	SLEEVE, SPACING	1	1	1	1	1	1		
2	1	165000-36930	SCREW, FLANGE	1	1	1	1	1	1		
2A	1	165000-37970	WASHER	1	1	1	1	1	1		
3	1	165000-32890	ROLLER	1	1	1	1	1	1		
4	1	165000-36920	SCREW, M10X45	1	1	1	1	1	1		
5	1	165001-26390	TENSIONER, BELT	1	1	1	1	1	1		
5-1	1	165001-31020	TENSIONER, BELT	1	1	1	1	1	1	N	
(A=E*****) (B=E*****) (C=E*****) (D=E*****)				(E=E*****) (F=E*****)							
6	1	165000-36940	SCREW, M10X80	1	1	1	1	1	1		
7	1	165000-49670	V-BELT	1	1	1	1	1	1		1
7-1	1	165001-45890	V-BELT	1	1	1	1	1	1	N	1
(A=E*****) (B=E*****) (C=E*****) (D=E*****)				(E=E*****) (F=E*****)							
12	1	165000-25860	COVER	1	1	1	1	1	1		

Fig.53. BELT TRANSMISSION,ALT LOW(E-6518894)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37250	SLEEVE, SPACING	1	1	1	1	1	1		
2	1	165000-36670	ROLLER	1	1	1	1	1	1		
3	1	165000-37970	WASHER	1	1	1	1	1	1		
4	1	165000-36930	SCREW, FLANGE	1	1	1	1	1	1		
5	1	165000-49640	TENSIONER, BELT	1	1	1					
(A=E*****) (B=E*****) (C=E*****)											
5-1	1	165001-31020	TENSIONER, BELT	1	1	1	1	1	1	N	
6	1	165000-36940	SCREW, M10X80	1	1	1	1	1	1		
7	1	165000-37830	V-BELT, POLY	1	1	1					1
(A=E*****) (B=E*****) (C=E*****)											
7-1	1	165001-31030	V-BELT	1	1	1	1	1	1	N	1



109110

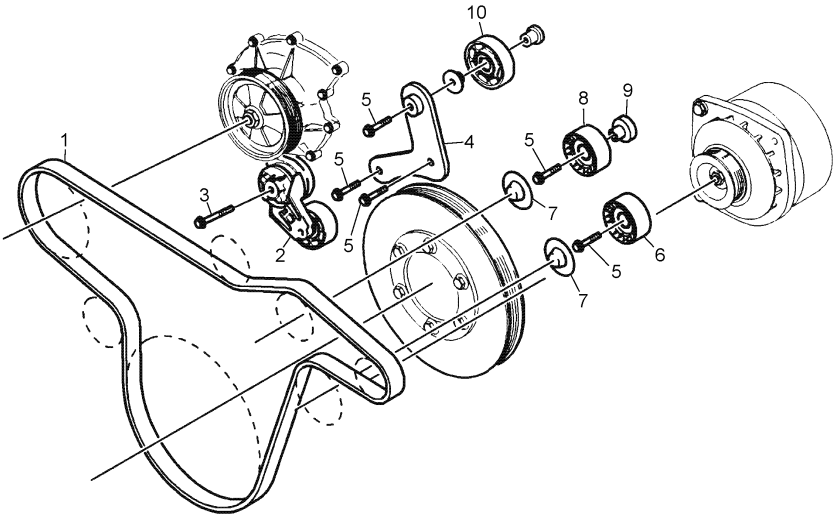
Remarks
(1)L=1700

Fig.54. BELT TRANSMISSION,ALT LOW(E6518895-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

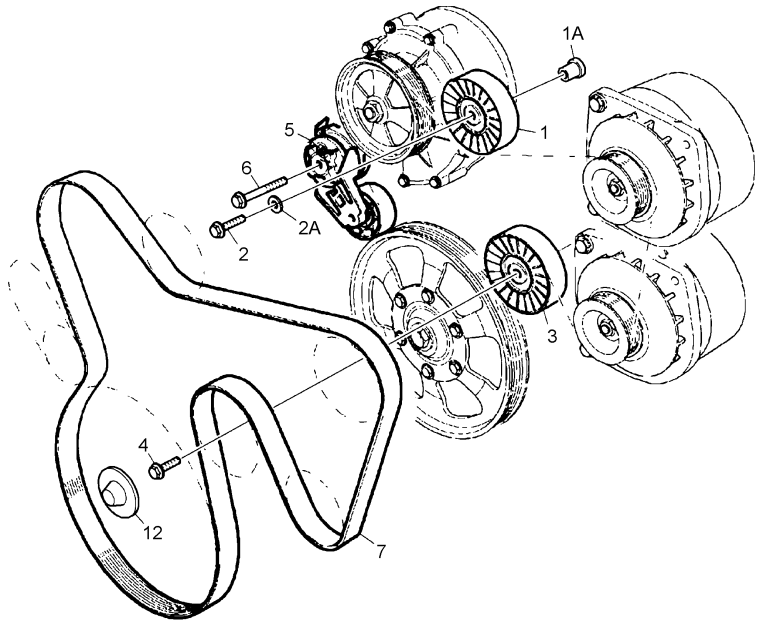
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-36150	V-BELT	1	1	1	1	1	1		1
2	1	165001-26390	TENSIONER, BELT	1	1	1	1	1	1		
2-1	1	165001-31020	TENSIONER, BELT	1	1	1	1	1	1	N	
				(A=E*****)		(B=E*****)		(C=E*****)		(D=E*****)	
3	1	165000-36940	SCREW, M10X80	1	1	1	1	1	1		
4	1	165001-36160	BRACKET	1	1	1	1	1	1		
5	1	165000-36930	SCREW, FLANGE	5	5	5	5	5	5		
6	1	165001-36170	ROLLER, IDLER	1	1	1	1	1	1		
6-1	1	165001-44390	ROLLER, IDLER	1	1	1	1	1	1	N	
				(A=E*****)		(B=E*****)		(C=E*****)		(D=E*****)	
7	1	165000-25860	COVER	3	3	3	3	3	3		
8	1	165000-32900	ROLLER	1	1	1	1	1	1		
9	1	165000-37850	WASHER	1	1	1	1	1	1		
10	1	165000-32890	ROLLER	1	1	1	1	1	1		



154603

Remarks
(1)L=1968

Fig.55. BELT TRANSMISSION,ALT HIGH+LOW



155137

Remarks
(1)L=2240

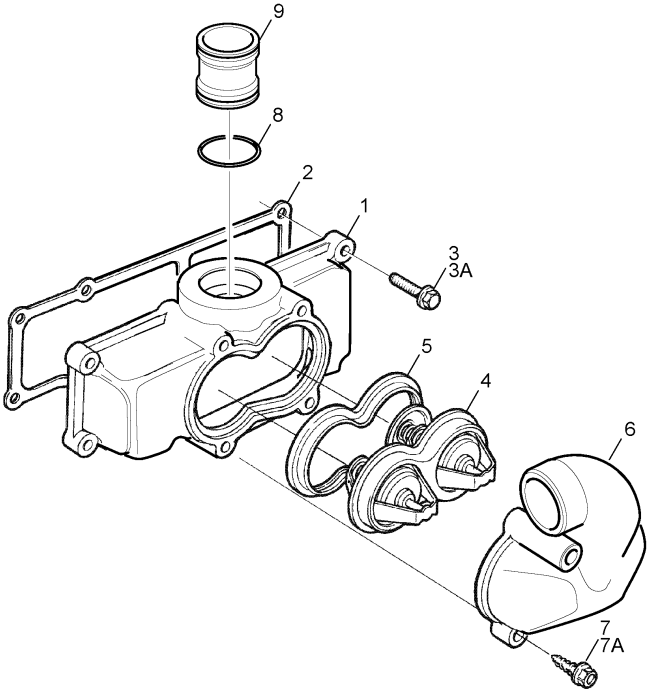
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36670	ROLLER	1	1	1	1	1	1		
1A	1	165000-37250	SLEEVE, SPACING	1	1	1	1	1	1		
2	1	165000-36770	SCREW	1	1	1					
2-1	1	165000-36930	SCREW, FLANGE	1	1	1	1	1	1	N	
		(A=E*****) (B=E*****) (C=E*****)									
2A	1	165000-37970	WASHER	1	1	1	1	1	1	N	
3	1	165000-32890	ROLLER	1	1	1	1	1	1		
4	1	165000-36920	SCREW, M10X45	1	1	1	1	1	1	N	
5	1	165000-49640	TENSIONER, BELT	1	1	1					
5-1	1	165001-31020	TENSIONER, BELT	1	1	1	1	1	1	N	
		(A=E*****) (B=E*****) (C=E*****)									
6	1	165000-36940	SCREW, M10X80	1	1	1	1	1	1	N	
7	1	165000-49670	V-BELT	1	1	1					1
7-1	1	165001-35060	V-BELT	1	1	1	1	1	1	N	1
		(A=E*****) (B=E*****) (C=E*****)									
12	1	165000-25860	COVER	1	1	1	1	1	1		

Fig.56. THERMOSTAT HOUSING

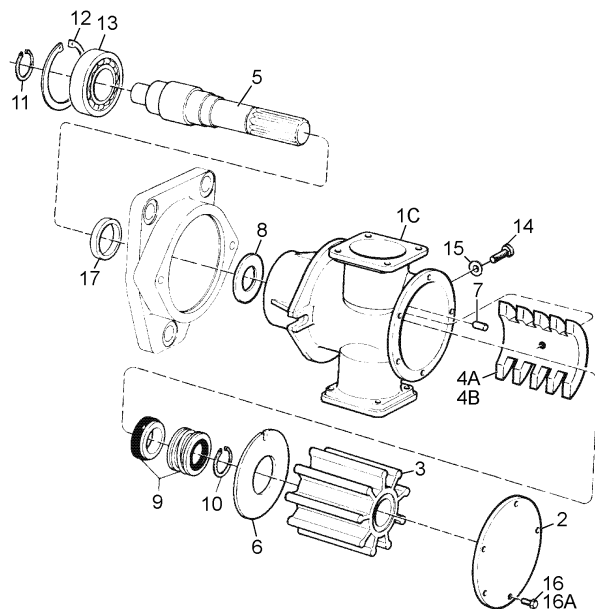
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35250	HOUSING, THERMOSTAT	1	1	1	1	1	1		
2	1	165000-34740	GASKET	1	1	1	1	1	1		
3	1	165000-27360	SCREW, M8X30	5	5	5	5	5	5		
3A	1	165000-27400	SCREW, M8X40	1	1	1	1	1	1		
4	1	165000-27610	THERMOSTAT, 75C	1	1	1	1	1	1		
5	1	165000-25520	GASKET	1	1	1	1	1	1		
6	1	165000-34210	COVER	1	1	1	1	1	1		
7	1	165000-27360	SCREW, M8X30	3	3	3	3	3	3		
7A	1	165000-36950	SCREW, FLANGE	1	1	1	1	1	1		
8	1	165000-35610	O-RING	1	1	1	2	2	2		
9	1	165000-35710	PIPE	1	1	1	1	1	1		

Fig.57. SEA WATER PUMP



1B inc. 1C ~ 3, 4B, 5~17

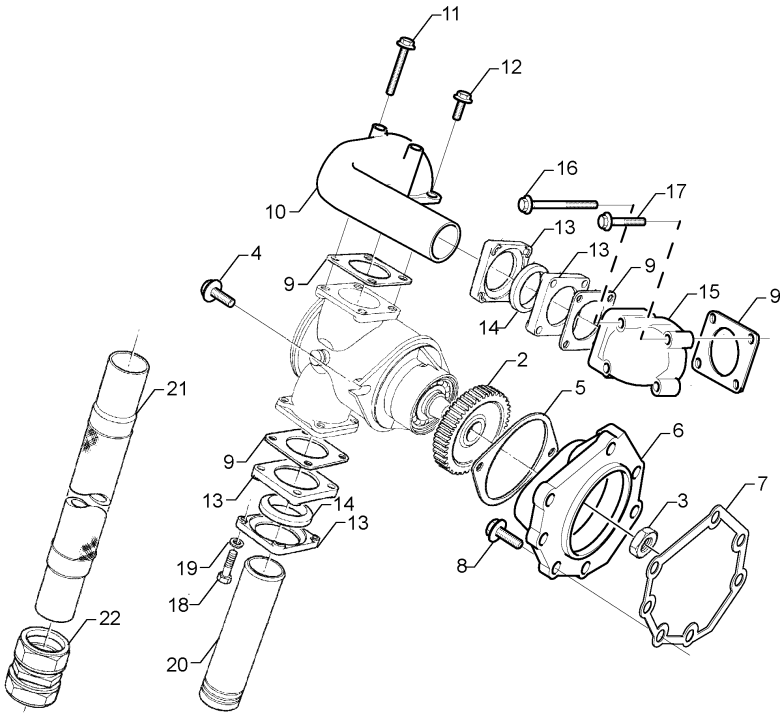
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	165000-36440	PUMP ASSY, SEA WATER	1	1	1					
1A-1	1	165000-90190	PUMP, SEA WATER	1	1	1					N
	(A=E*****)	(B=E*****)	(C=E*****)								
1B	1	165001-36180	PUMP, SEA WATER				1	1	1		
1C	2	165000-35240	HOUSING, PUMP	1	1	1	1	1	1		
2	2	165000-35350	COVER	1	1	1	1	1	1		
3	2	165000-35270	IMPELLER	1	1	1	1	1	1		
4A	2	165000-33840	CAM	1	1	1					
4B	2	165001-36190	CAM				1	1	1		
5	2	165000-37150	SHAFT	1	1	1	1	1	1		
6	2	165000-38020	WASHER, WEAR	1	1	1	1	1	1		
7	2	165000-35680	PIN	1	1	1					
7-1	2	165000-90200	PIN	1	1	1	1	1	1	1	N
	(A=E*****)	(B=E*****)	(C=E*****)								
8	2	165000-37870	WASHER	1	1	1	1	1	1		
9	2	165000-37070	SEAL	1	1	1	1	1	1		
10	2	165000-36590	RING, SNAP	1	1	1	1	1	1		
11	2	165000-36600	RING, SNAP	2	2	2	2	2	2		
12	2	165000-36520	RING, RETAINING	1	1	1	1	1	1		
13	2	165000-33460	BEARING, BALL	1	1	1	1	1	1		
14	2	165000-36700	SCREW	1	1	1	1	1	1		
15	2	165000-37880	WASHER	1	1	1	1	1	1		
16	2	165000-36710	SCREW	5	5	5	5	5	5		
16A	2	165000-34630	GASKET	1	1	1	1	1	1		
17	2	165000-37060	SEAL	1	1	1	1	1	1		

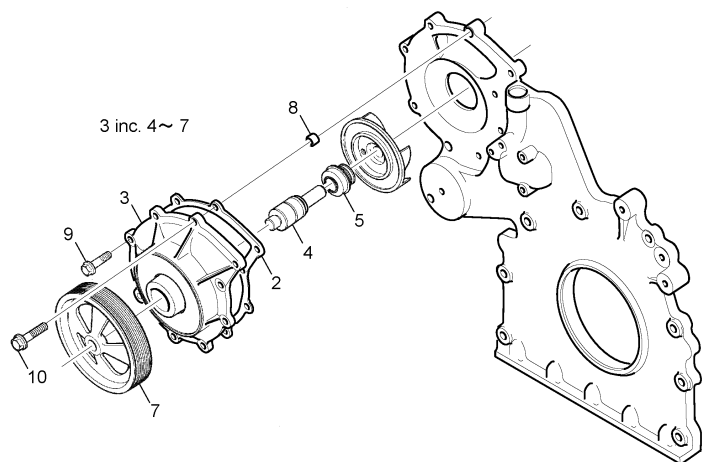
Fig.58. SEA WATER PUMP,MOUNTING

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-34970	GEAR	1	1	1	1	1	1		
3	1	165000-35560	NUT, M18X1.5	1	1	1	1	1	1		
4	1	165000-26930	SCREW, M10X30	2	2	2	2	2	2		
5	1	165000-34750	GASKET	1	1	1	1	1	1		
6	1	165000-34560	FLANGE	1	1	1	1	1	1		
7	1	165000-24540	O-RING, 147.5X4	1	1	1	1	1	1		
8	1	165000-26930	SCREW, M10X30	5	5	5	5	5	5		
9	1	165000-25330	GASKET	5	5	5					
9-1	1	165000-93530	GASKET	5	5	5	5	5	5	N	
(A=E*****) (B=E*****) (C=E*****)											
10	1	165000-37500	TUBE	1	1	1	1	1	1		
11	1	165000-27450	SCREW, M8X65	2	2	2	2	2	2		
12	1	165000-27330	SCREW, M8X25	2	2	2	2	2	2		
13	1	165000-31250	FLANGE	6	6	6	6	6	6		
14	1	165000-32630	RING	3	3	3	3	3	3		
15	1	165000-31260	FLANGE	2	2	2	2	2	2		
16	1	165000-26620	SCREW, M8X90	4	4	4	4	4	4		
17	1	165000-27420	SCREW, M8X55	4	4	4	4	4	4		
18	1	165000-36830	SCREW, M8X35	8	8	8					
18-1	1	165000-27380	SCREW, M8X35	8	8	8	8	8	8	N	
(A=E*****) (B=E*****) (C=E*****)											
19	1	165000-33150	WASHER, 8.4X16X1.6	8	8	8				Z	
(A=E*****) (B=E*****) (C=E*****)											
20	1	165000-37480	TUBE	2	2	2	2	2	2		
21	1	165000-35150	HOSE	2	2	2	2	2	2	W	
22	1	165000-34100	CLUTCH	2	2	2	2	2	2	W	



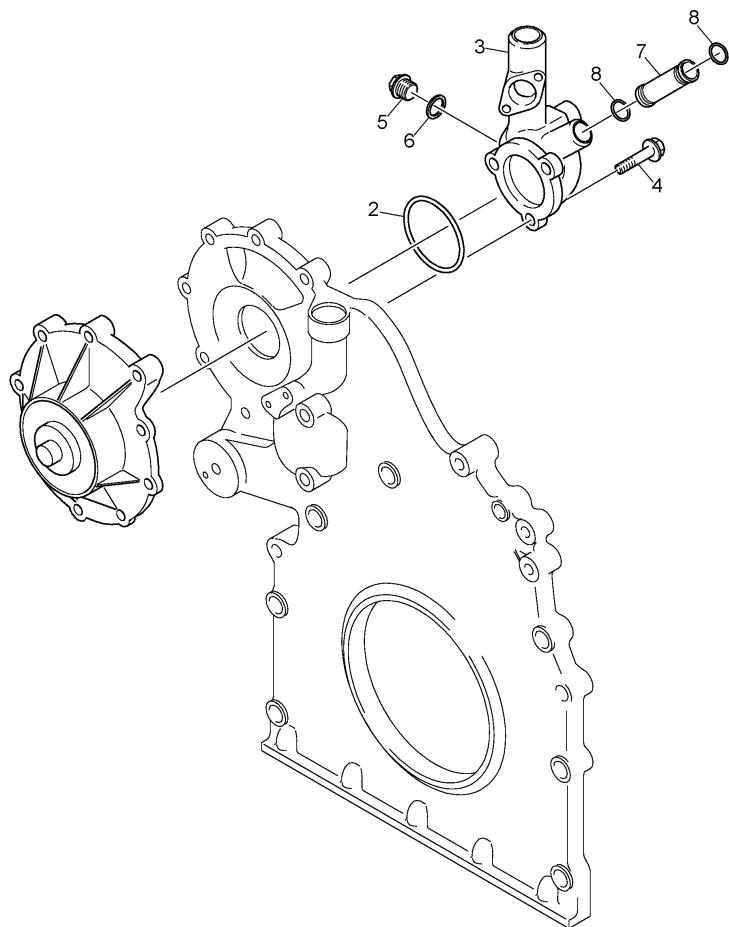


Remarks
(1)EXCHANG UNIT.
SEE PAPER EDITION DATED 12.2002 AND
EARLIER.

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
2	1	165000-34720	GASKET	1	1	1					
2-1	1	165000-58670	GASKET	1	1	1	1	1	1	N	
		(A=E*****)	(B=E*****)	(C=E*****)							
3	1	165000-36400	PUMP ASSY, COOLANT	1	1	1	1	1	1		
3-1	1	165000-36390	PUMP, COOLANT	1	1	1	1	1	1		1
4	2	165000-31550	BEARING	1	1	1	1	1	1		
5	2	165000-36550	RING, SEALING	1	1	1					
5-1	2	165001-26400	RING, SEAL	1	1	1	1	1	1	N	
		(A=E*****)	(B=E*****)	(C=E*****)							
7	2	165000-31430	PULLEY	1	1	1					
7-1	2	165000-91190	PULLEY	1	1	1	1	1	1	N	
		(A=E*****)	(B=E*****)	(C=E*****)							
8	1	165000-28260	SLEEVE, GUIDE	2	2	2	2	2	2		
9	1	165000-27360	SCREW, M8X30	7	7	7	7	7	7		
10	1	165000-27400	SCREW, M8X40	2	2	2	2	2	2		

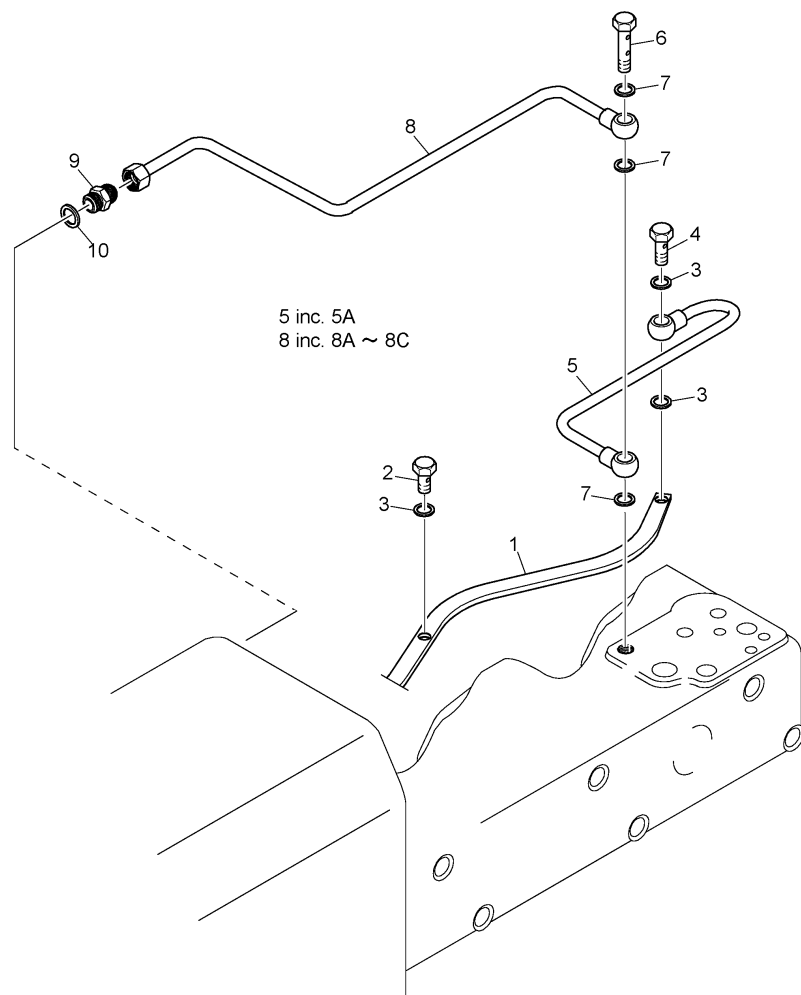
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Fig.60. COOLANT PUMP,MOUNTING



No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			I R
				(A)	(B)	(C)	(D)	(E)	(F)	
2	1	165000-35640	O-RING, 69,2X5,7	1	1	1	1	1	1	
3	1	165000-35940	PIPE, FLANGE	1	1	1	1	1	1	
4	1	165000-27330	SCREW, M8X25	3	3	3	3	3	3	
5	1	165000-30950	PLUG, M26X1.5X9	1	1	1	1	1	1	
6	1	165000-37090	SEAL	1	1	1	1	1	1	
7	1	165000-35730	PIPE	1	1	1	1	1	1	
8	1	165000-24590	O-RING, 32.2X3	2	2	2	2	2	2	

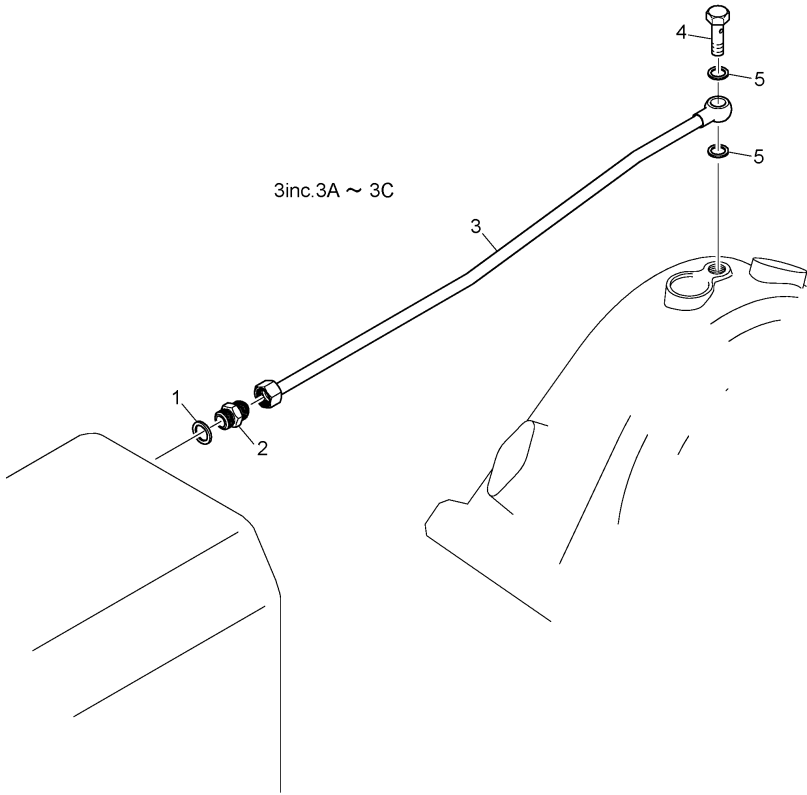
Fig.61. BLEED PIPE



132711

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37490	TUBE	1	1	1	1	1	1		
2	1	165000-26840	SCREW, BANJO	5	5	5	5	5	5		
3	1	165000-37100	SEAL	13	13	13	13	13	13		
4	1	165000-36880	SCREW, BANJO	1	1	1	1	1	1		
5	1	165000-37530	TUBE	1	1	1	1	1	1		
5A	2	165000-37650	UNION, BANJO	1	1	1	1	1	1		
	(A=E****)	(B=E****)	(C=E****)								
6	1	165000-26810	SCREW, BANJO	1	1	1	1	1	1		
7	1	165000-27810	SEAL	3	3	3					
7-1	1	165000-93540	SEAL WASHER	3	3	3	3	3	3	N	
	(A=E****)	(B=E****)	(C=E****)								
8	1	165000-35810	PIPE	1	1	1	1	1	1		
8A	2	165000-37650	UNION, BANJO	1	1	1	1	1	1		
8B	2	165000-32510	NUT, UNION M6	1	1	1	1	1	1		
8C	2	165000-26150	FERRULE, 6	1	1	1	1	1	1		
9	1	165000-37700	UNION, STRAIGHT	1	1	1	1	1	1		
10	1	165000-27770	SEAL	1	1	1	1	1	1		

Fig.62. BLEED PIPE,W-COOLED TURBINE



132816

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2	OCR10-M57702 Fig.62 (D)=6SY650 (E)=6SY720 (F)=6SY750						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-27770	SEAL	1	1	1					Z
1-1	1	165000-27770	SEAL	1							R
2	1	165000-37700	UNION, STRAIGHT	1	1	1					Z
2-1	1	165000-37700	UNION, STRAIGHT	1							R
3	1	165000-35820	PIPE ASSY	1	1	1					Z
3-1	1	165000-35820	PIPE ASSY	1							R
3A	2	165000-32510	NUT, UNION M6	1	1	1					Z
3A-1	2	165000-32510	NUT, UNION M6	1							R
3B	2	165000-26150	FERRULE, 6	1	1	1					Z
3B-1	2	165000-26150	FERRULE, 6	1							R
3C	2	165000-37650	UNION, BANJO	1	1	1					Z
3C-1	2	165000-37650	UNION, BANJO	1							R
4	1	165000-26810	SCREW, BANJO	1	1	1					Z
4-1	1	165000-26810	SCREW, BANJO	1							R
5	1	165000-27810	SEAL	2	2	2					Z
5-1	1	165000-93540	WASHER, SEAL	2							R

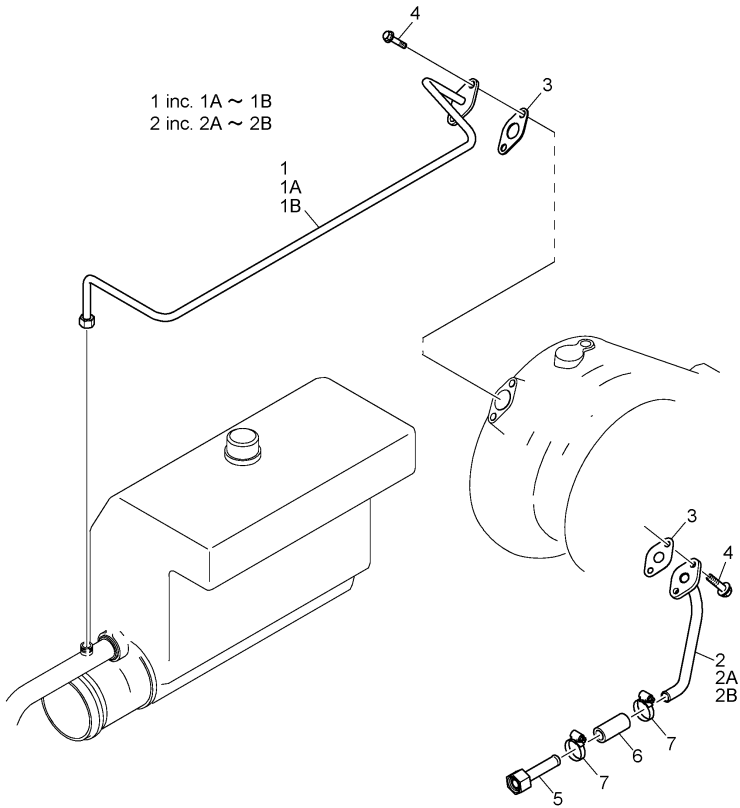
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

[illegible]

Illustration not ready.

Fig.64. COOLANT PIPE,W-COOLED TURBINE

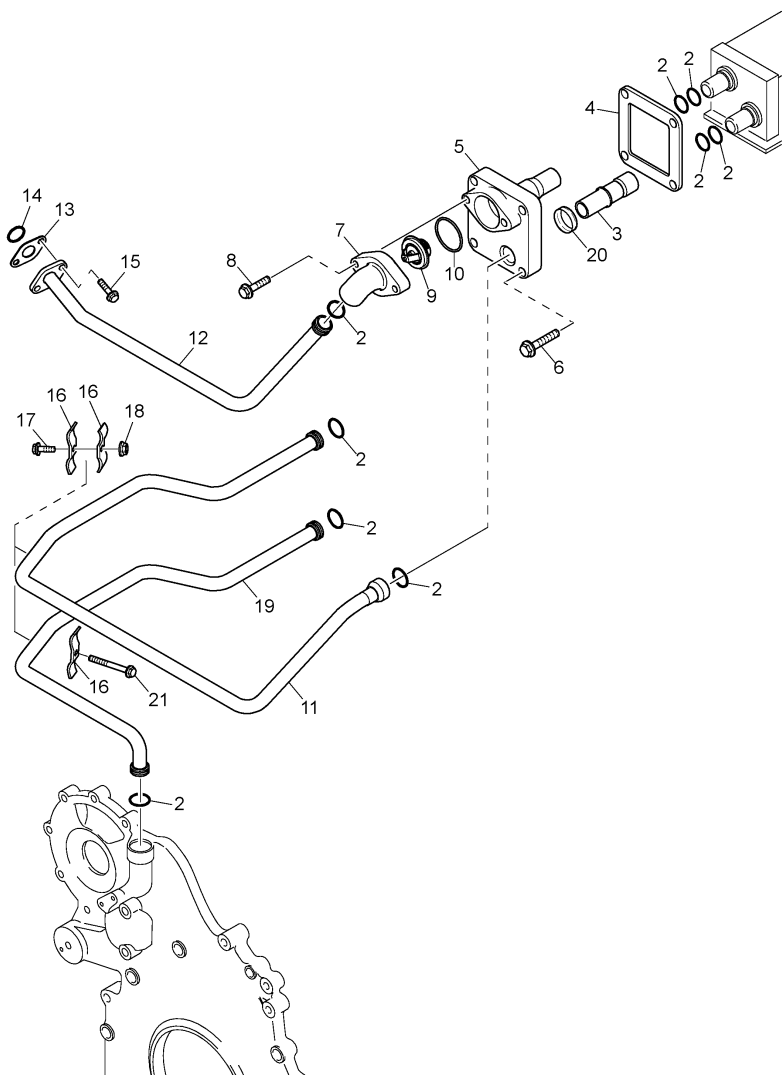


136325

Remarks
(1)UNIT OF METER

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		OCR10-M57702		Fig.64			
						(D)=6SY650 (E)=6SY720 (F)=6SY750					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35780	PIPE	1	1	1	1	1	1		
1A	2	165000-35590	NUT	1	1	1	1	1	1		
1B	2	165000-34450	FERRULE	1	1	1	1	1	1		
2	1	165000-49210	PIPE, WATER	1	1	1	1	1	1		
2A	2	165000-35590	NUT	1	1	1	1	1	1		
2B	2	165000-34450	FERRULE	1	1	1	1	1	1		
3	1	165000-34860	GASKET	2	2	2	2	2	2		
4	1	165000-27300	SCREW	4	4	4	4	4	4		
5	1	165000-49220	PIPE, WATER	1	1	1	1	1	1		
6	1	165000-35120	HOSE	1	1	1	1	1	1		1
7	1	165000-34090	CLIP	2	2	2	2	2	2		

Fig.65. CHARGE AIR COOLER



302057

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-24560	O-RING	1	1	1	1	1	1		1
3	1	165000-35800	PIPE	1	1	1	1	1	1		
4	1	165000-34880	GASKET	1	1	1	1	1	1		
5	1	165000-35260	HOUSING, THERMOSTAT	1	1	1	1	1	1		
6	1	165000-27330	SCREW, M8X25	4	4	4	4	4	4		
7	1	165000-33910	CASE	1	1	1	1	1	1		
8	1	165000-27330	SCREW, M8X25	2	2	2	2	2	2		
9	1	165000-27620	THERMOSTAT	1	1	1	1	1	1		
10	1	165000-25530	GASKET	1	1	1	1	1	1		
11	1	165000-35830	PIPE	1	1	1	1	1	1		
12	1	165000-35840	PIPE	1	1	1	1	1	1		
13	1	165000-48980	GASKET	1	1	1	1	1	1		
14	1	165000-35600	O-RING	1	1	1	1	1	1		
15	1	165000-27300	SCREW, M8X20	2	2	2	2	2	2		
15-1	1	165000-49500	SCREW, M8X22	2	2	2	2	2	2		W
16	1	165000-34010	CLAMP	4	4	4					
16-1	1	165000-34010	CLAMP	5	5	5	5	5	5		W
17	1	165000-36740	SCREW, M6X35	2	2	2					
17-1	1	165000-36740	SCREW, M6X35	5	5	5		5	5	5	W
18	1	165000-29010	NUT, FLANGE M6	2	2	2	2	2	2		
19	1	165000-37520	TUBE	1	1	1	1	1	1		
20	1	165000-27940	RING, SEALING	1	1	1	1	1	1		N
21	1	165001-31040	SCREW, FLANGE	1	1	1		1	1	1	W

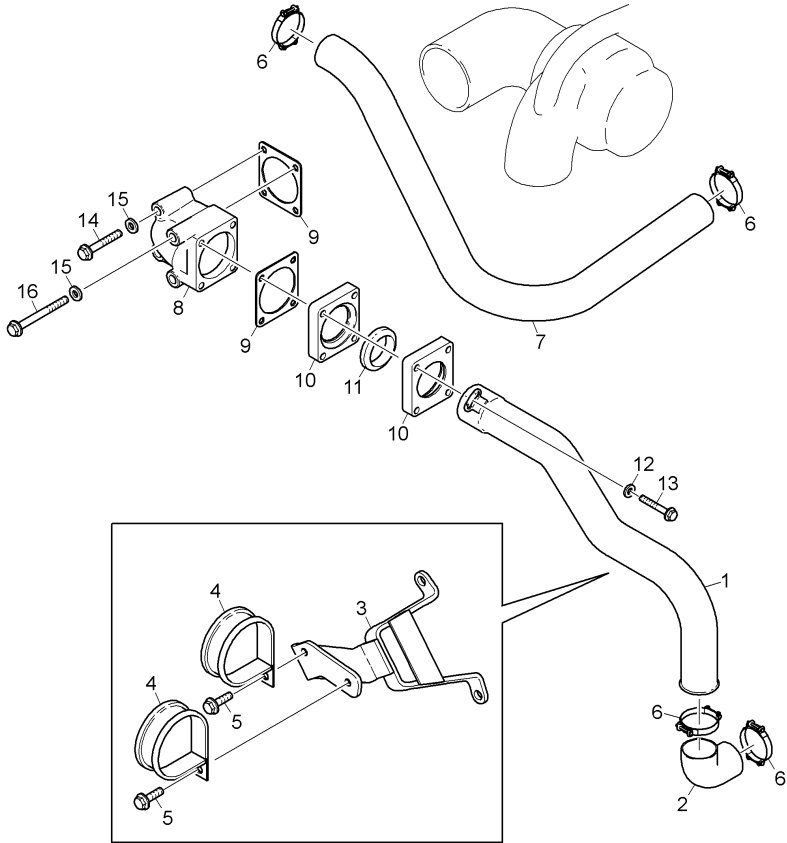
Remarks	(1) REQUIRE
---------	-------------

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.66. COOLING PIPE

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

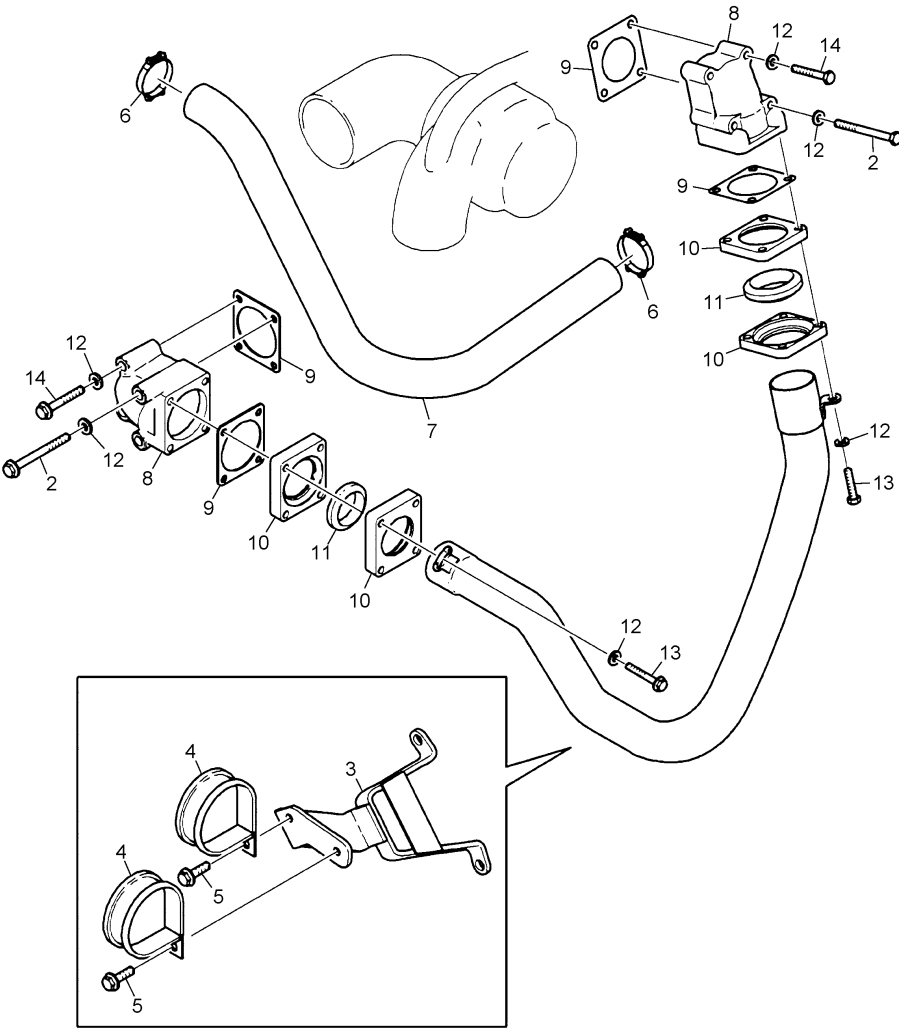


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-73010	PIPE	1	1	1					Z
1-1	1	165000-73010	PIPE		1	1	1	1	1	1	R
		(B=E****)	(C=E****)								
2	1	165000-73020	HOSE	1	1	1					Z
2-1	1	165000-73020	HOSE		1	1	1	1	1	1	R
		(B=E****)	(C=E****)								
3	1	165000-73030	BLACKET	1	1	1					Z
3-1	1	165000-73030	BLACKET		1	1	1	1	1	1	R
		(B=E****)	(C=E****)								
4	1	165000-73040	CLAMP	2	2	2					Z
4-1	1	165000-73040	CLAMP		2	2	2	2	2	2	R
		(B=E****)	(C=E****)								
5	1	165000-27240	SCREW, M6X16	2	2	2					Z
5-1	1	165000-27240	SCREW, M6X16		2	2	2	2	2	2	R
		(B=E****)	(C=E****)								
6	1	165000-73050	CLAMP,HOSE	4	4	4					Z
6-1	1	165000-73050	CLAMP,HOSE		4	4	4	4	4	4	R
		(B=E****)	(C=E****)								
7	1	165000-73060	HOSE	1	1	1					Z
7-1	1	165000-73060	HOSE		1	1	1	1	1	1	R
		(B=E****)	(C=E****)								
8	1	165000-31260	FLANGE	1	1	1					Z
8-1	1	165000-31260	FLANGE		1	1	1	1	1	1	R
		(B=E****)	(C=E****)								
9	1	165000-93530	GASKET	2	2	2					Z
9-1	1	165000-93530	GASKET		2	2	2	2	2	2	R
		(B=E****)	(C=E****)								
10	1	165000-31250	FLANGE	2	2	2					Z
10-1	1	165000-31250	FLANGE		2	2	2	2	2	2	R
		(B=E****)	(C=E****)								
11	1	165000-32630	RING	1	1	1					Z
11-1	1	165000-32630	RING		1	1	1	1	1	1	R
		(B=E****)	(C=E****)								
12	1	165000-33150	WASHER, 8.4X16X1.6	4	4	4					Z
12-1	1	165000-33150	WASHER, 8.4X16X1.6		4	4	4	4	4	4	R
		(B=E****)	(C=E****)								
13	1	165000-36830	SCREW	4	4	4					Z
13-1	1	165000-36830	SCREW		4	4	4	4	4	4	R
		(B=E****)	(C=E****)								
14	1	165000-27420	SCREW, M8X55	2	2	2					Z
14-1	1	165000-27420	SCREW, M8X55		2	2	2	2	2	2	R
		(B=E****)	(C=E****)								
15	1	165000-33150	WASHER, 8.4X16X1.6	4	4	4					Z
15-1	1	165000-33150	WASHER, 8.4X16X1.6		4	4	4	4	4	4	R
		(B=E****)	(C=E****)								
16	1	165000-26620	SCREW, M8X90	2	2	2					Z
16-1	1	165000-26620	SCREW, M8X90		2	2	2	2	2	2	R
		(B=E****)	(C=E****)								

Fig.67. COOLING,CHARGE AIR COOLER

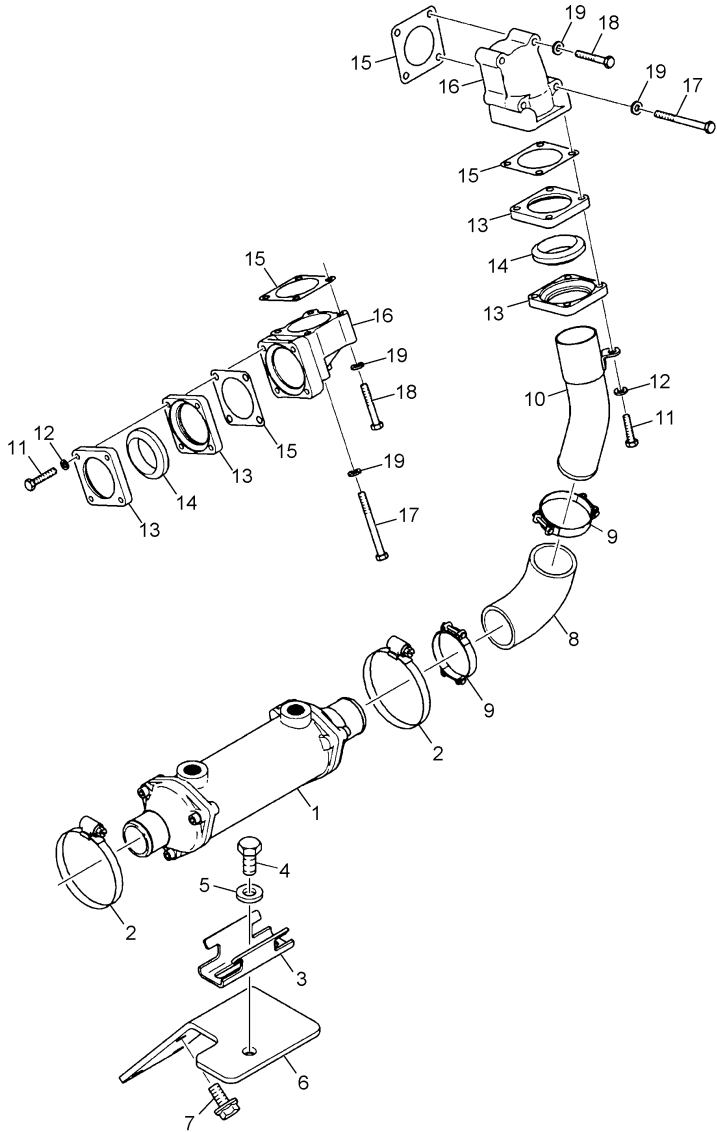
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-26620	SCREW, M8X90		4	4	4	4	4		
3	1	165000-73030	BRACKET		1	1	1	1	1		
4	1	165001-27070	CLIP		2	2	2	2	2		
5	1	165000-27240	SCREW, M6X16		2	2	2	2	2		
6	1	165000-73050	CLAMP, HOSE		2	2	2	2	2		
7	1	165000-73060	HOSE		1	1	1	1	1		
8	1	165000-31260	FLANGE		2	2	2	2	2		
9	1	165000-93530	GASKET		4	4	4	4	4		
10	1	165000-31250	FLANGE		4	4	4	4	4		
11	1	165000-32630	RING		2	2	2	2	2		
12	1	165000-33150	WASHER, 8.4X16X1.6		16	16	16	16	16		
13	1	165000-36830	SCREW, M8X35		8	8	8	8	8		
14	1	165000-27420	SCREW, M8X55		4	4	4	4	4		

Fig.69. COOLING, REVERSE GEAR,



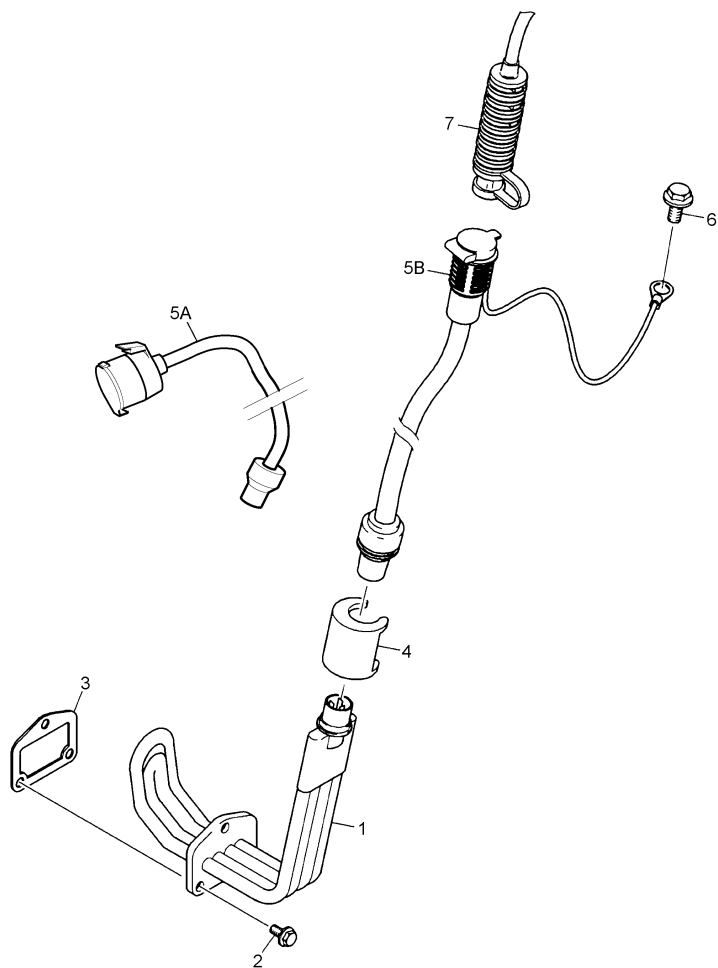
139378

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-27220	COOLER, OIL	1	1	1	1	1	1		
2	1	165000-34070	CLIP, HOSE	2	2	2	2	2	2		
3	1	165001-41400	BRACKET	1	1	1	1	1	1		
4	1	165001-41380	HEXAGON SCREW M16X30	1	1	1	1	1	1		
5	1	165000-51230	WASHER, 17X30	1	1	1	1	1	1		
6	1	165001-41430	BRACKET	1	1	1	1	1	1		
7	1	165000-26730	SCREW	4	4	4	4	4	4		
8	1	165000-73020	HOSE	1	1	1	1	1	1		
9	1	165000-73050	CLAMP, HOSE	2	2	2	2	2	2		
10	1	165001-41420	PIPE, WATER	1	1	1	1	1	1		
11	1	165000-36830	SCREW, M8X35	8	8	8	8	8	8		
12	1	165000-33150	WASHER, 8.4X16X1.6	8	8	8	8	8	8		
13	1	165000-31250	FLANGE	4	4	4	4	4	4		
14	1	165000-32630	RING	2	2	2	2	2	2		
15	1	165000-25330	GASKET	4	4	4	4	4	4		
15-1	1	165000-93530	GASKET	4	4	4	4	4	4	N	
		(A=E*****) (B=E*****) (C=E*****) (D=E*****) (E=E*****) (F=E*****)									
16	1	165000-31260	FLANGE	2	2	2	2	2	2		
17	1	165000-26620	SCREW, M8X90	4	4	4	4	4	4		
18	1	165000-27420	SCREW, M8X55	4	4	4	4	4	4		
19	1	165000-33150	WASHER, 8.4X16X1.6	8	8	8	8	8	8		

Fig.70. AUX HEATER, 1100W (OPTION)



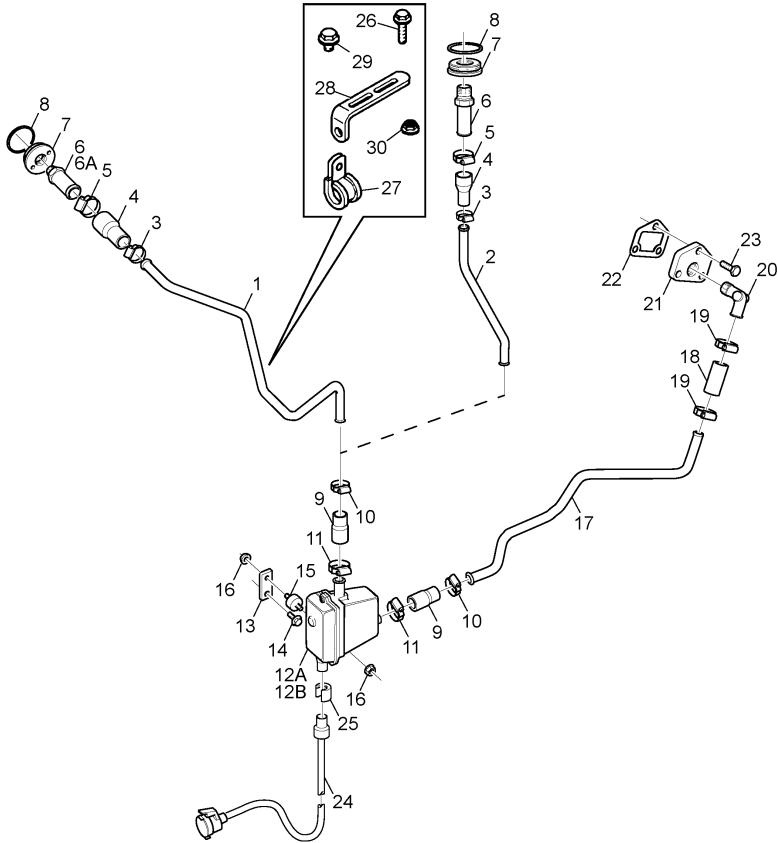
138787

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	165000-35110	HEATER, AUXILIARY	1	1	1					
1-1	1	165001-41440	ENGINE HEATER 1100W	1	1	1	1	1	1	N	
2	1	165000-37050	SCREW, M6X20	3	3	3	3	3	3		
3	1	165000-25190	GASKET	1	1	1	1	1	1		
4	1	165000-48890	CLIP	1	1	1	1	1	1		
5A	1	165000-33830	CABLE, INPUT	1	1	1	1	1	1		1
5B	1	165000-73800	CABLE, INPUT	1	1	1	1	1	1		2
6	1	165000-37050	SCREW, M6X20	1	1	1	1	1	1		
7	1	165000-33820	CABLE, CONNECTION	1	1	1	1	1	1		3

- (1) $L=750$
- (2) $L=1500$
- (3) $L=5000$

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

Fig.71. AUX HEATER, 500/1500W (OPTION)(-E6519498)



301469

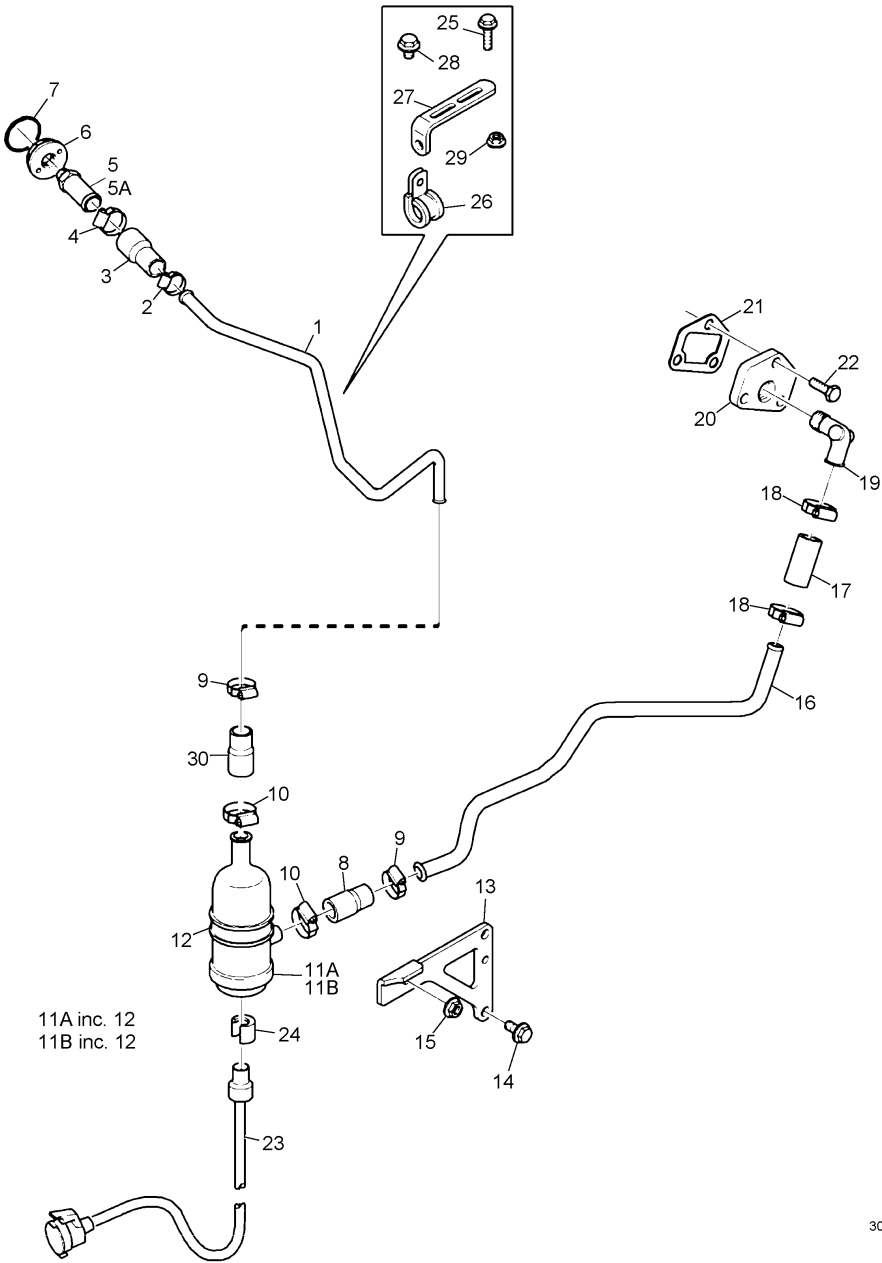
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37540	TUBE KEEL COOLING	1	1	1					
2	1	165000-37550	TUBE HEAT EXCHNGER	1	1	1					
3	1	165000-34090	CLAMP, HOSE	1	1	1					
4	1	165000-35130	HOSE	1	1	1					
5	1	165000-31830	CLAMP, HOSE	1	1	1					
6	1	165000-37670	UNION, HOSE	1	1	1					
6A	1	165000-37090	SEAL	1	1	1					
7	1	165000-36260	PLUG, M44	1	1	1					
8	1	165000-34660	GASKET	1	1	1					
9	1	165000-35130	HOSE	2	2	2					
10	1	165000-34090	CLAMP, HOSE	2	2	2					
11	1	165000-31830	CLAMP, HOSE	2	2	2					
12A	1	165000-30410	HEATER, 500W	1	1	1					
12B	1	165000-30400	HEATER, 1500W	1	1	1					
13	1	165000-33680	BRACKET	1	1	1					
14	1	165000-36760	SCREW	1	1	1					
15	1	165000-24820	INSULATOR, VIBRATION	2	2	2					
16	1	165000-29040	NUT, FLANGE M8	2	2	2					
17	1	165000-37510	TUBE	1	1	1					
18	1	165000-35120	HOSE	1	1	1					1
19	1	165000-34090	CLAMP, HOSE	2	2	2					
20	1	165000-37660	UNION, ELBOW	1	1	1					
21	1	165000-34170	COVER	1	1	1					
22	1	165000-25190	GASKET	1	1	1					
23	1	165000-37050	SCREW, M6X20	3	3	3					
23-1	1	165001-27150	SCREW, FLANGE	3	3	3					N
(A=E*****) (B=E*****) (C=E*****)											
24	1	165000-26400	CABLE, INPUT L=2000	1	1	1					
25	1	165000-48890	CLIP	1	1	1					
26	1	165000-27240	SCREW, M6X16	1	1	1					W
27	1	165000-26200	CLAMP, 16	1	1	1					W
28	1	165001-45830	BRACKET	1	1	1					W
29	1	165000-27280	SCREW, M8X14	1	1	1					W
30	1	165000-29010	NUT, FLANGE M6	1	1	1					W

Remarks
(1)L=54mm

Fig.72. AUX HEATER, 500/1500W (OPTION)(E6519499-)

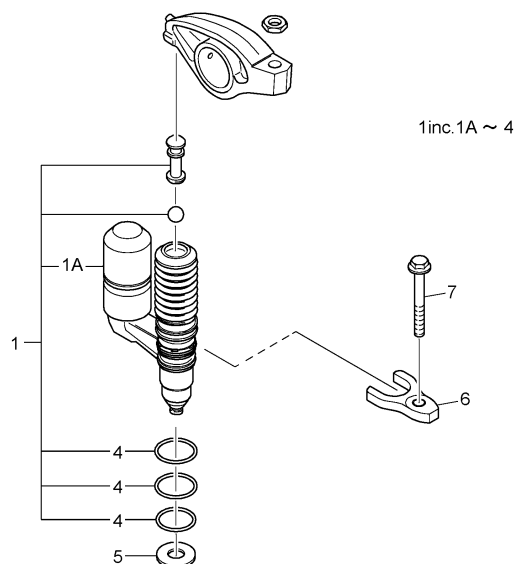


301470

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37540	TUBE, COOLING		1	1					
2	1	165000-34090	CLAMP, HOSE		1	1					
3	1	165000-35130	HOSE		1	1					
4	1	165000-31830	CLAMP, HOSE		1	1					
5	1	165000-37670	UNION, HOSE		1	1					
5A	1	165000-37090	SEAL		1	1					
6	1	165000-36260	PLUG, M44		1	1					
7	1	165000-34660	GASKET		1	1					
9	1	165000-34090	CLAMP, HOSE		2	2					
10	1	165000-31830	CLAMP, HOSE		2	2					
11A	1	165001-45840	ENGINE HEATER (500W		1	1					
11B	1	165001-45850	ENGINE HEATER (1500W		1	1					
12	2	165001-45860	CLAMP		1	1					
14	1	165000-36760	SCREW, M10X20		2	2					
15	1	165000-28870	NUT, FLANGE M10		2	2					
16	1	165000-37510	TUBE		1	1					
17	1	165000-35120	HOSE		1	1					
18	1	165000-34090	CLAMP, HOSE		2	2					
19	1	165000-37660	UNION, ELBOW		1	1					
20	1	165000-34170	COVER		1	1					
21	1	165000-25190	GASKET		1	1					
22	1	165001-27150	SCREW, FLANGE		3	3					
23	1	165000-26400	CABLE, INPUT L=2000		1	1					
24	1	165000-48890	CLIP		1	1					
25	1	165000-27240	SCREW, M6X16		1	1					
26	1	165000-26200	CLAMP, 16		1	1					
27	1	165001-45830	BRACKET		1	1					
28	1	165000-27280	SCREW, M8X14		1	1					
29	1	165000-29010	NUT, FLANGE M6		1	1					
30	1	165000-35130	HOSE		1	1					



Remarks
(1)EXCHANG UNIT.
SEE PAPER EDITION DATED 12.2002 AND
EARLIER.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-24880	INJECTOR, UNIT	6	6	6	6	6	6		
1-1	1	165001-31050	INJECTOR, UNIT	6	6	6	6	6	6		1
1A	2	165000-65070	NOZZLE,INJECTION	6	6	6	6	6	6		
4	2	165000-24490	O-RING KIT	6	6	6	6	6	6		
5	1	165000-25200	GASKET	6	6	6	6	6	6		
6	1	165000-26230	CLAMP	6	6	6	6	6	6		
6-1	1	165000-90210	HOLDER	6	6	6	6	6	6		N
	(A=E6512549-)	(B=E6512549-)	(C=E6512549-)	(D=E6512549-)	(E=E6512549-)		(F=E6512549-)				
7	1	165000-27520	SCREW, FLANGE	6	6	6	6	6	6		
7-1	1	165000-90220	SCREW, FLANGE	6	6	6	6	6	6		N
	(A=E6512549-)	(B=E6512549-)	(C=E6512549-)	(D=E6512549-)	(E=E6512549-)		(F=E6512549-)				

Fig.74. FEED PUMP

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49370	PUMP ASSY, FUEL FEED	1	1	1	1	1	1		
1A	2	165000-32030	PUMP, HAND	1	1	1	1	1	1		
2	2	165000-24630	O-RING, 44.2X3	1	1	1	1	1	1		
3	1	165000-28330	SLEEVE, SHIFT	1	1	1					
3-1	1	165001-31060	CLUTCH	1	1	1	1	1	1	N	
(A=E*****) (B=E*****) (C=E*****)											

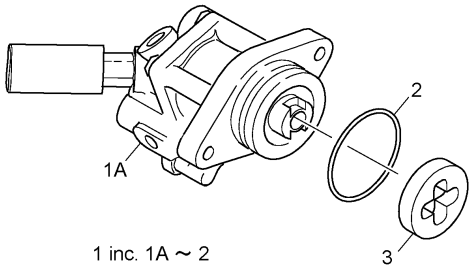


Fig.75. FO FILTER

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-31570	HEAD, FILTER	1	1	1	1	1	1		
2	1	165000-34500	FILTER, FUEL	1	1	1					
2-1	1	165001-31070	FILTER, FUEL	1	1	1	1	1	1	N	
3	(A=E*****) 1	(B=E*****) 165000-27360	(C=E*****) SCREW, M8X30	2	2	2	2	2	2		

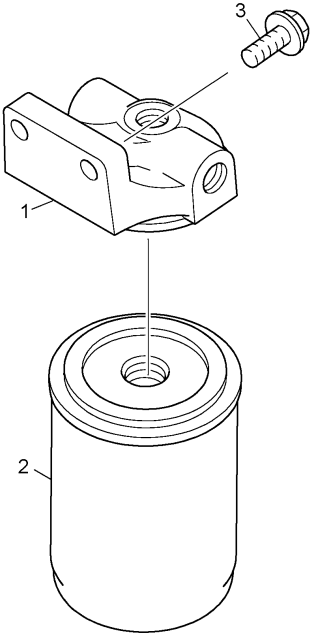
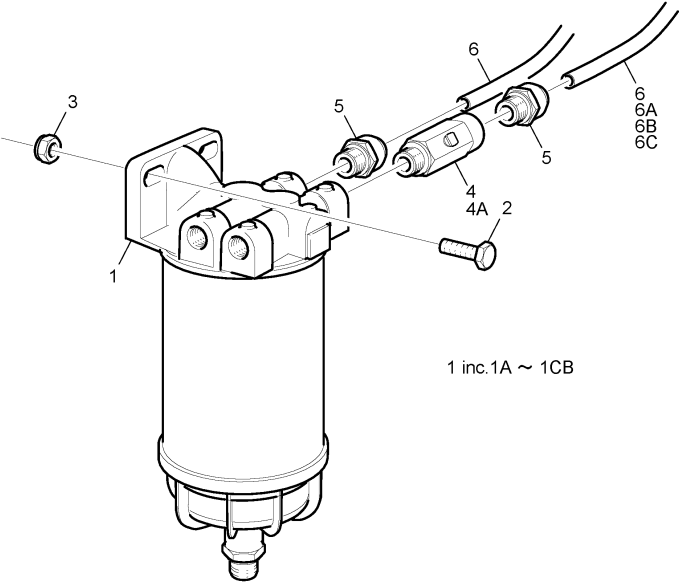


Fig.76. WATER SEPARATER

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

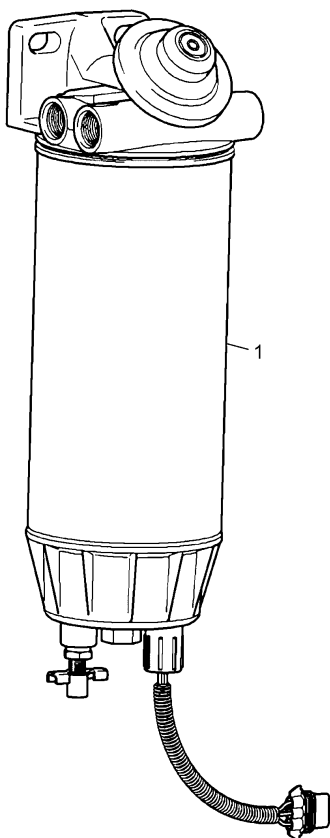
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-30600	FILTER ASSY, UNIT	1	1	1	1	1	1		
1A	2	165000-25000	ELEMENT, FILTER	1	1	1	1	1	1		
1B	2	165000-31560	HEAD, FILTER	1	1	1	1	1	1		
1CA	2	165000-31880	BOWL	1	1	1	1	1	1		
1CB	2	165000-31870	BOWL, W/HEATER	1	1	1	1	1	1		2
2	1	165000-26960	SCREW, M10X40	2	2	2	2	2	2		
3	1	165000-32840	NUT, LOCK M10	2	2	2	2	2	2		
4	1	165000-28510	TAP, DRAIN	1	1	1	1	1	1		
4A	1	165000-25590	GASKET, 16.5X19.9	1	1	1	1	1	1		
5	1	165000-58920	CONNECTOR, INSERT	2	2	2	2	2	2		
6	1	165000-29220	PIPE, 12X1.5	2	2	2	2	2	2		1
6A	1	165000-28310	SLEEVE, INSERT	2	2	2	2	2	2		
6B	1	165000-26130	FERRULE, 12	2	2	2	2	2	2		
6C	1	165000-32490	NUT, UNION M12	2	2	2	2	2	2		



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Remarks
(1) UNIT OF METER
(2) WITH HEATER

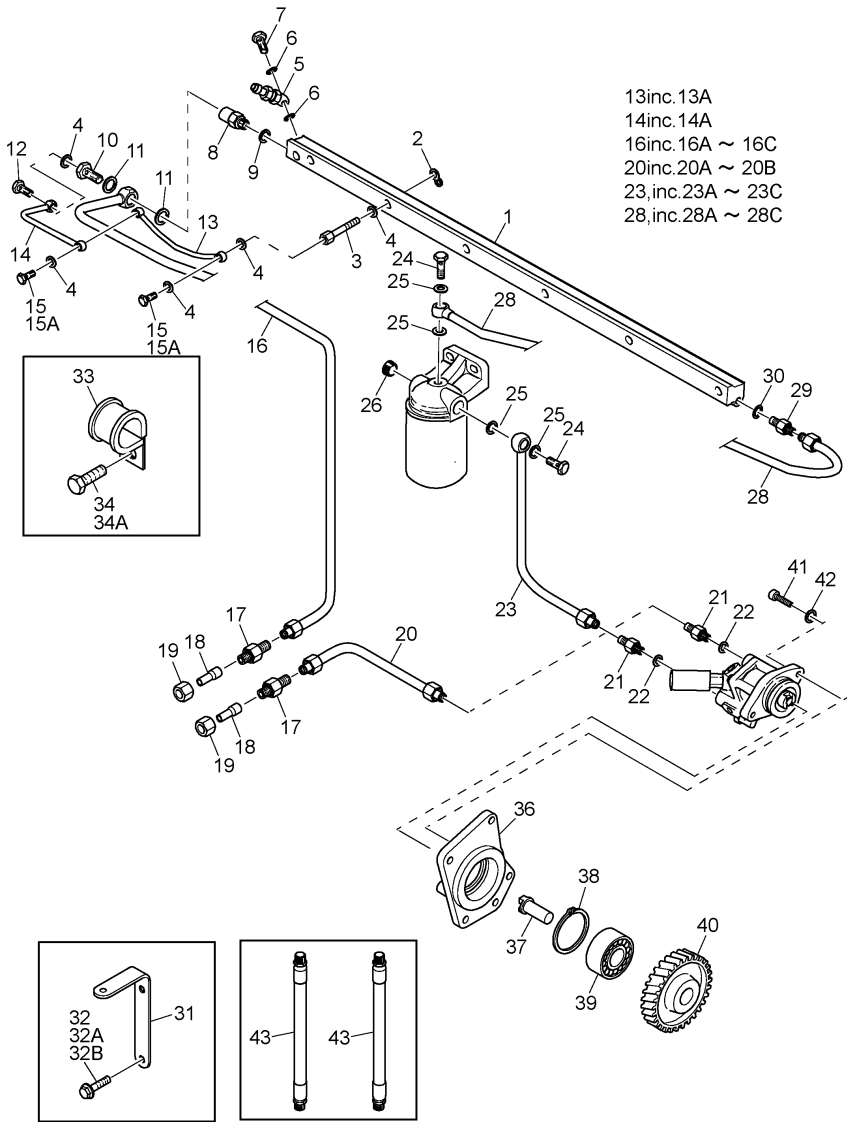
Fig.77. FO FILTER,PREFILTER(PREFILTER)



1 inc. 1A~1B

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2	(D)=6SY650 (E)=6SY720 (F)=6SY750						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1774501	PREFILTER ASSY		1	1	1	1	1		
1A	2	1780730	PREFILTER ASSY		1	1	1	1	1		
1B	2	1780189	DRAIN TAP		1	1	1	1	1		

Fig.78. FUEL MANIFOLD,LH(-E6510528)

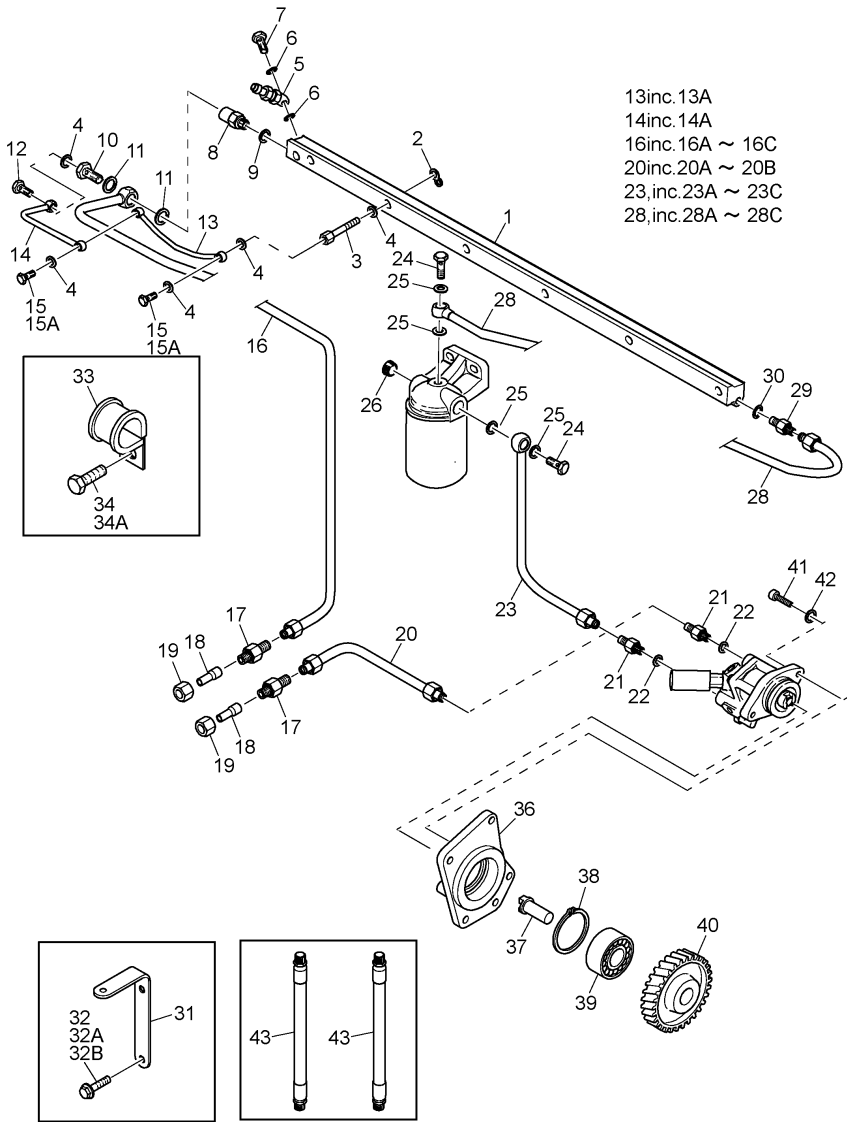


(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35410	MANIFOLD, FUEL	1	1	1					
2	1	165000-25170	GASKET	6	6	6					
3	1	165000-36900	SCREW, BANJO	6	6	6					
4	1	165000-27800	SEAL	25							
4-1	1	165000-93520	WASHER, SEAL	25	25	25					N
(A=E*****)											
5	1	165000-29100	NIPPLE, BLEEDER	1	1	1					
6	1	165000-27810	SEAL	2							
6-1	1	165000-93540	WASHER, SEAL	2	2	2					N
(A=E*****)											
7	1	165000-26880	SCREW, M10X1	1	1	1					
8	1	165000-30280	VALVE, OVERFLOW	1							
8-1	1	165001-31080	VALVE, OVERFLOW	1	1	1					N
9	1	165000-27780	SEAL	1	1	1					
10	1	165000-26830	SCREW, BANJO	1	1	1					
11	1	165000-27820	SEAL	2							
11-1	1	165000-93550	WASHER, SEAL	2	2	2					N
(A=E*****)											
12	1	165000-26840	SCREW, BANJO	1	1	1					
13	1	165000-36020	PIPE, FUEL	5	5	5					
13A	2	165000-37610	UNION	10	10	10					
14	1	165000-36030	PIPE, FUEL	1	1	1					
14A	2	165000-37610	UNION	2	2	2					
15	1	165000-36880	SCREW, BANJO	5	5	5					
15A	1	165000-26840	SCREW, BANJO	1	1	1					
16	1	165000-35990	PIPE, FUEL	1	1	1					
16A	2	165000-32260	UNION, BANJO	1	1	1					
16B	2	165000-32490	NUT, UNION M12	1	1	1					
16C	2	165000-26130	FERRULE, 12	1	1	1					
17	1	165000-37710	UNION, STRAIGHT	2	2	2					
18	1	165000-37680	UNION, HOSE	2	2	2					
19	1	165000-32490	NUT, UNION M12	2	2	2					
20	1	165000-35960	PIPE, FUEL	1	1	1					
20A	2	165000-32490	NUT, UNION M12	2	2	2					
20B	2	165000-26130	FERRULE, 12	2	2	2					
21	1	165000-37730	UNION, STRAIGHT	2	2	2					
22	1	165000-37080	SEAL	2	2	2					
23	1	165000-35970	PIPE, FUEL	1							
23-1	1	165000-58950	FUEL PIPE	1	1	1					
23A	2	165000-32260	UNION, BANJO	1	1	1					
23B	2	165000-32490	NUT, UNION M12	1	1	1					
23C	2	165000-26130	FERRULE, 12	1	1	1					
24	1	165000-27140	SCREW, M16X1.5	2	2	2					
25	1	165000-27820	SEAL	4							
25-1	1	165000-93550	WASHER, SEAL	4	4	4					N
(A=E*****)											
26	1	165000-36250	PLUG, M16X1.5KX12	1	1	1					
28	1	165000-35980	PIPE, FUEL	1							
28-1	1	165000-58960	FUEL PIPE	1	1	1					N
(A=E*****)											
28A	2	165000-32260	UNION, BANJO	1	1	1					

Fig.78. FUEL MANIFOLD,LH(-E6510528)

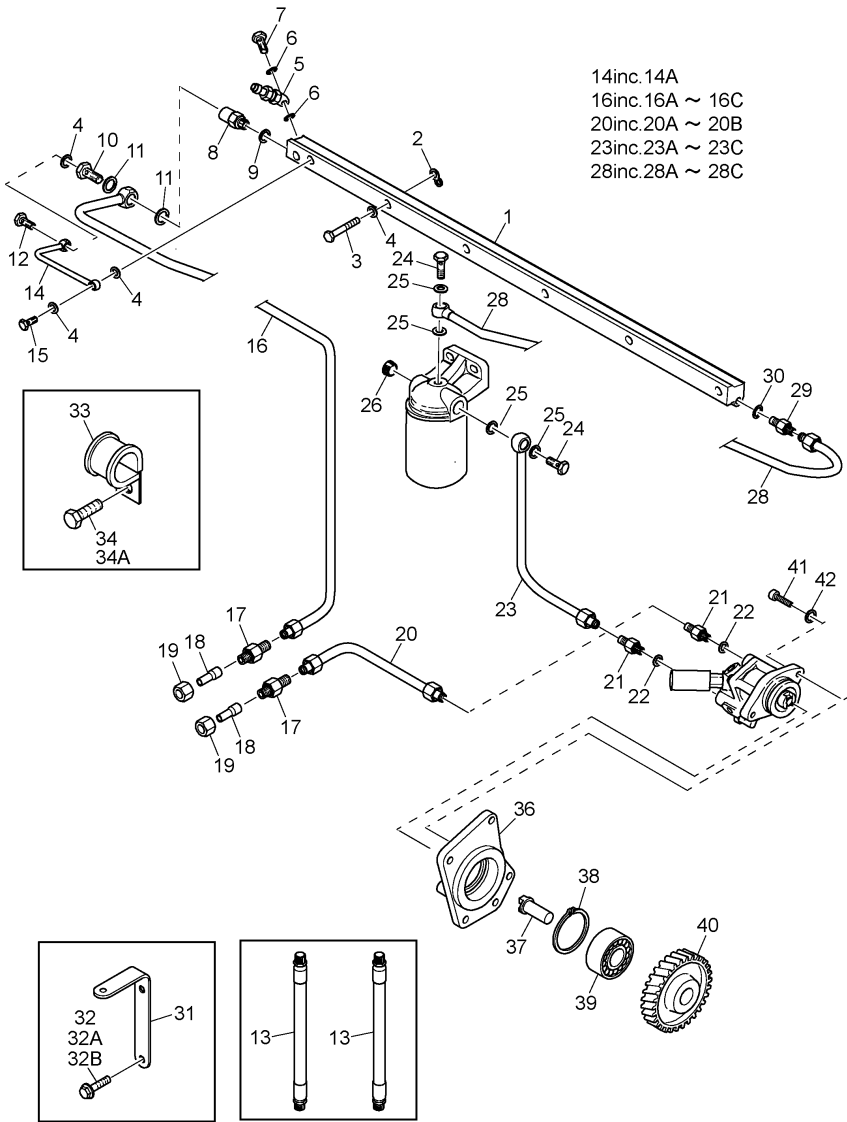


(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
28B	2	165000-32490	NUT, UNION M12	1	1	1					
28C	2	165000-26130	FERRULE, 12	1	1	1					
29	1	165000-37770	UNION, STRAIGHT	1	1	1					
30	1	165000-37080	SEAL	1	1	1					
31	1	165000-33740	BRACKET	1	1	1					
32	1	165000-36760	SCREW	2	2	2					
32A	1	165000-26290	CLAMP, 12MM	2	2	2					
32B	1	165000-27240	SCREW, M6X16	1	1	1					
33	1	165000-26190	CLAMP, 12	2	2	2					
34	1	165000-27360	SCREW, M8X30	2	2	2					
34A	1	165000-36170	PLATE, SEPARATOR	2	2	2					
36	1	165000-34540	FLANGE	1	1	1					
37	1	165000-27700	SHAFT	1	1	1					
38	1	165000-32720	RING, RETAINING	1	1	1					
39	1	165000-31920	BEARING, BALL	1	1	1					
40	1	165000-34950	GEAR	1	1	1					
41	1	165000-27370	SCREW, M8X30	2	2	2					
42	1	165000-33150	WASHER, 8.4X16X1.6	2	2	2					
43	1	165000-49050	HOSE	2	2	2					

Fig.79. FUEL MANIFOLD,LH(E6510529-6511717)

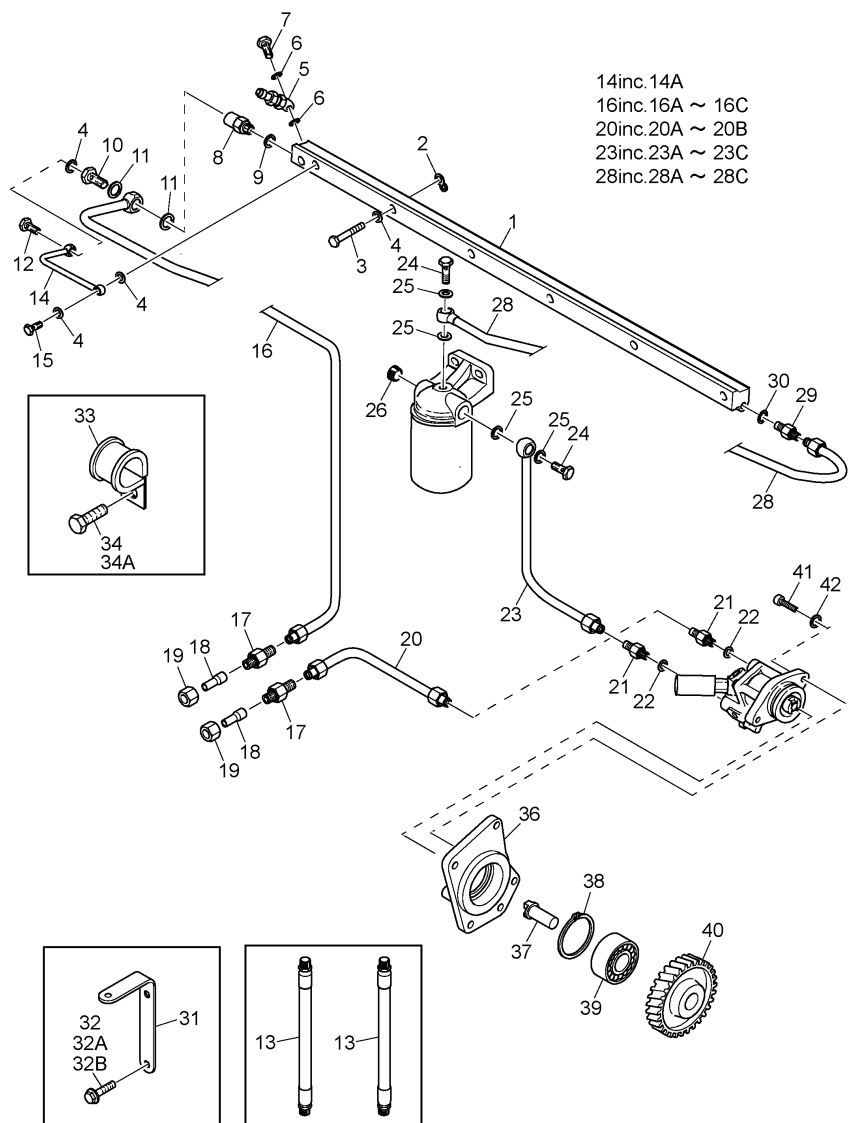


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(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

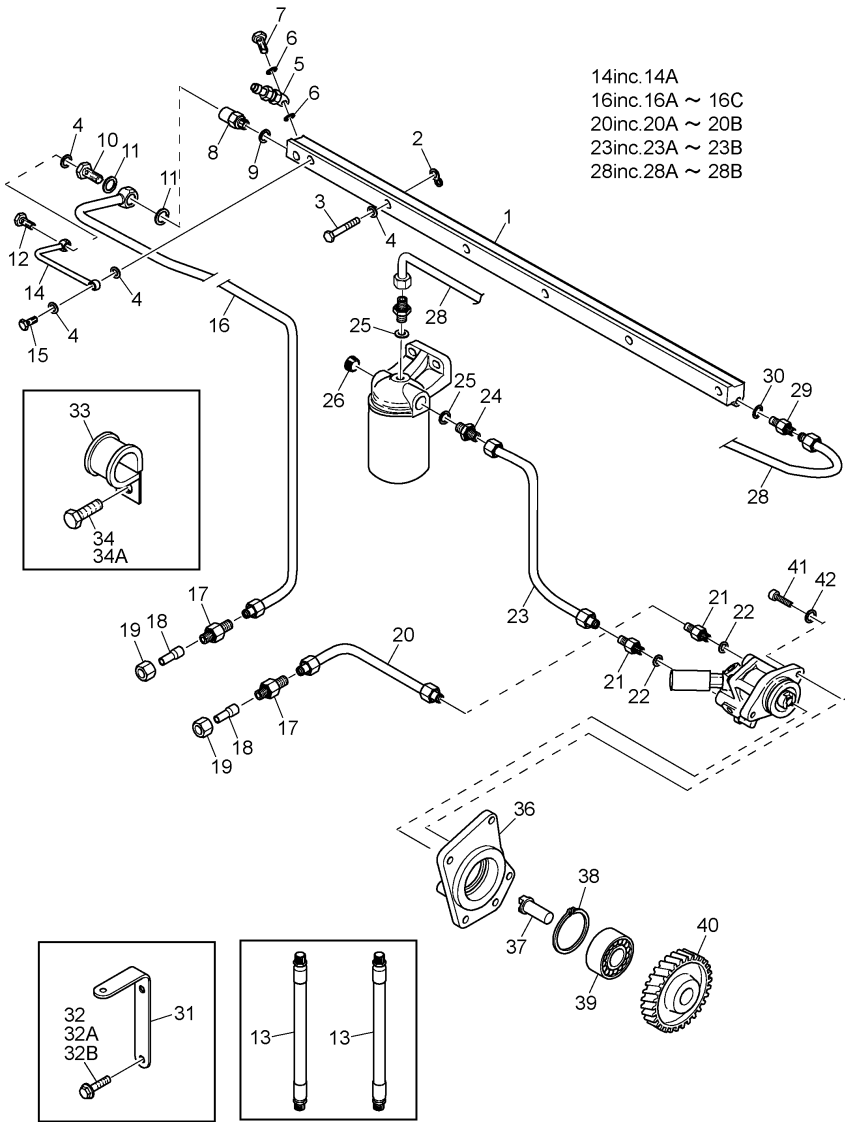
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49100	MANIFOLD, FUEL	1	1	1					
2	1	165000-25170	GASKET	6	6	6					
3	1	165000-49430	SCREW, BANJO	6							
3-1	1	165000-90230	SCREW, BANJO	6	6	6					N
(A=E*****)											
4	1	165000-27800	SEAL	10							
4-1	1	165000-93520	WASHER, SEAL	10	10	10					N
(A=E*****)											
5	1	165000-29100	NIPPLE, BLEEDER	1	1	1					
6	1	165000-27810	SEAL	2							
6-1	1	165000-93540	WASHER, SEAL	2	2	2					N
(A=E*****)											
7	1	165000-26880	SCREW, M10X1	1	1	1					
8	1	165000-30280	VALVE, OVERFLOW	1							
8-1	1	165001-31080	VALVE, OVERFLOW	1	1	1					N
(A=E*****)											
9	1	165000-27780	SEAL	1	1	1					
10	1	165000-26830	SCREW, BANJO	1	1	1					
11	1	165000-27820	SEAL	2							
11-1	1	165000-93550	WASHER, SEAL	2	2	2					N
(A=E*****)											
12	1	165000-26840	SCREW, BANJO	1	1	1					
13	1	165000-49050	HOSE	2	2	2					
14	1	165000-49180	PIPE, FUEL	1	1	1					
14A	2	165000-37610	UNION	2	2	2					
15	1	165000-26840	SCREW, BANJO	1	1	1					
16	1	165000-35990	PIPE, FUEL	1	1	1					
16A	2	165000-32260	UNION, BANJO	1	1	1					
16B	2	165000-32490	NUT, UNION M12	1	1	1					
16C	2	165000-26130	FERRULE, 12	1	1	1					
17	1	165000-37710	UNION, STRAIGHT	2	2	2					
18	1	165000-37680	UNION, HOSE	2	2	2					
19	1	165000-32490	NUT, UNION M12	2	2	2					
20	1	165000-35960	PIPE, FUEL	1	1	1					
20A	2	165000-32490	NUT, UNION M12	2	2	2					
20B	2	165000-26130	FERRULE, 12	2	2	2					
21	1	165000-37730	UNION, STRAIGHT	2	2	2					
22	1	165000-37080	SEAL	2	2	2					
23	1	165000-35970	PIPE, FUEL	1	1	1					
23A	2	165000-32260	UNION, BANJO	1	1	1					
23B	2	165000-32490	NUT, UNION M12	1	1	1					
23C	2	165000-26130	FERRULE, 12	1	1	1					
24	1	165000-27140	SCREW, M16X1.5	2	2	2					
25	1	165000-27820	SEAL	4							
25-1	1	165000-93550	WASHER, SEAL	4	4	4					N
(A=E*****)											
26	1	165000-36250	PLUG	1	1	1					
28	1	165000-35980	PIPE, FUEL	1	1	1					
28A	2	165000-32260	UNION, BANJO	1	1	1					
28B	2	165000-32490	NUT, UNION M12	1	1	1					
28C	2	165000-26130	FERRULE, 12	1	1	1					

Fig.79. FUEL MANIFOLD,LH(E6510529-6511717)



No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2			(D)=6SY650 (E)=6SY720 (F)=6SY750			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
29	1	165000-37770	UNION, STRAIGHT	1	1	1					
30	1	165000-37080	SEAL	1	1	1					
31	1	165000-33740	BRACKET	1	1	1					
32	1	165000-36760	SCREW	2	2	2					
32A	1	165000-26290	CLAMP, 12MM	2	2	2					
32B	1	165000-27240	SCREW, M6X16	1	1	1					
33	1	165000-26190	CLAMP, 12	2	2	2					
34	1	165000-27360	SCREW, M8X30	2	2	2					
34A	1	165000-36170	PLATE, SEPARATOR	2	2	2					
36	1	165000-34540	FLANGE	1	1	1					
37	1	165000-27700	SHAFT	1	1	1					
38	1	165000-32720	RING, RETAINING	1	1	1					
39	1	165000-31920	BEARING, BALL	1	1	1					
40	1	165000-34950	GEAR	1	1	1					
41	1	165000-27370	SCREW, M8X30	2	2	2					
42	1	165000-33150	WASHER, 8.4X16X1.6	2	2	2					

Fig.80. FUEL MANIFOLD,LH(E6511718-)



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				OCR10-M57702 Fig.80							
				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		(D)=6SY650 (E)=6SY720 (F)=6SY750					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49100	MANIFOLD, FUEL	1	1	1	1	1	1		
2	1	165000-25170	GASKET	6	6	6	6	6	6		
3	1	165000-49430	SCREW, BANJO	6	6	6					
3-1	1	165000-90230	SCREW, BANJO	6	6	6	6	6	6	N	
	(A=E*****)	(B=E*****)	(C=E*****)								
4	1	165000-27800	SEAL	10	10	10					
4-1	1	165000-93520	WASHER,SEAL	10	10	10	10	10	10	N	
	(A=E*****)	(B=E*****)	(C=E*****)								
5	1	165000-29100	NIPPLE, BLEEDER	1	1	1	1	1	1		
6	1	165000-27810	SEAL	2	2	2					
6-1	1	165000-93540	SEAL WASHER	2	2	2	2	2	2		
	(A=E*****)	(B=E*****)	(C=E*****)								
7	1	165000-26880	SCREW, M10X1	1	1	1	1	1	1		
8	1	165000-30280	VALVE, OVERFLOW	1	1	1	1	1	1		
8-1	1	165001-31080	VALVE, OVERFLOW	1	1	1	1	1	1		
	(A=E*****)	(B=E*****)	(C=E*****)								
9	1	165000-27780	SEAL	1	1	1	1	1	1		
10	1	165000-26830	SCREW, BANJO	1	1	1	1	1	1		
11	1	165000-27820	SEAL	2	2	2					
11-1	1	165000-93550	SEAL WASHER	2	2	2	2	2	2		
	(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)	(E=E*****)			(F=E*****)			
12	1	165000-26840	SCREW, BANJO	1	1	1	1	1	1		
13	1	165000-49050	HOSE	2	2	2	2	2	2		
14	1	165000-49180	PIPE, FUEL	1	1	1	1	1	1		
14A	2	165000-37610	UNION	2	2	2	2	2	2		
15	1	165000-26840	SCREW, BANJO	1	1	1	1	1	1		
16	1	165000-35990	PIPE, FUEL	1	1	1	1	1	1		
16A	2	165000-32260	UNION, BANJO	1	1	1	1	1	1		
16B	2	165000-32490	NUT, UNION M12	1	1	1	1	1	1		
16C	2	165000-26130	FERRULE, 12	1	1	1	1	1	1		
17	1	165000-37710	UNION, STRAIGHT	2	2	2	2	2	2		
18	1	165000-37680	UNION, HOSE	2	2	2	2	2	2		
19	1	165000-32490	NUT, UNION M12	2	2	2	2	2	2		
20	1	165000-35960	PIPE, FUEL	1	1	1	1	1	1		
20A	2	165000-32490	NUT, UNION M12	2	2	2	2	2	2		
20B	2	165000-26130	FERRULE, 12	2	2	2	2	2	2		
21	1	165000-37730	UNION, STRAIGHT	2	2	2	2	2	2		
22	1	165000-37080	SEAL	2	2	2	2	2	2		
23	1	165000-58950	FUEL PIPE	1	1	1	1	1	1		
23A	2	165000-32490	NUT, UNION M12	2	2	2	2	2	2		
23B	2	165000-26130	FERRULE, 12	2	2	2	2	2	2		
24	1	165000-65440	UNION, STRAIGHT	2	2	2	2	2	2		
25	1	165000-27790	SEAL	4	4	4	4	4	4		
26	1	165000-36250	PLUG, M16X1.5KX12	1	1	1	1	1	1		
28	1	165000-58960	FUEL PIPE	1	1	1	1	1	1		
28A	2	165000-32490	NUT, UNION M12	2	2	2	2	2	2		
28B	2	165000-26130	FERRULE, 12	2	2	2	2	2	2		
29	1	165000-37770	UNION, STRAIGHT	1	1	1	1	1	1		
30	1	165000-37080	SEAL	1	1	1	1	1	1		
31	1	165000-33740	BRACKET	1	1	1	1	1	1		
32	1	165000-36760	SCREW	2	2	2	2	2	2		

N:Old
Yes
No

New, Q:Old
Yes
No

R:Old
Yes
No

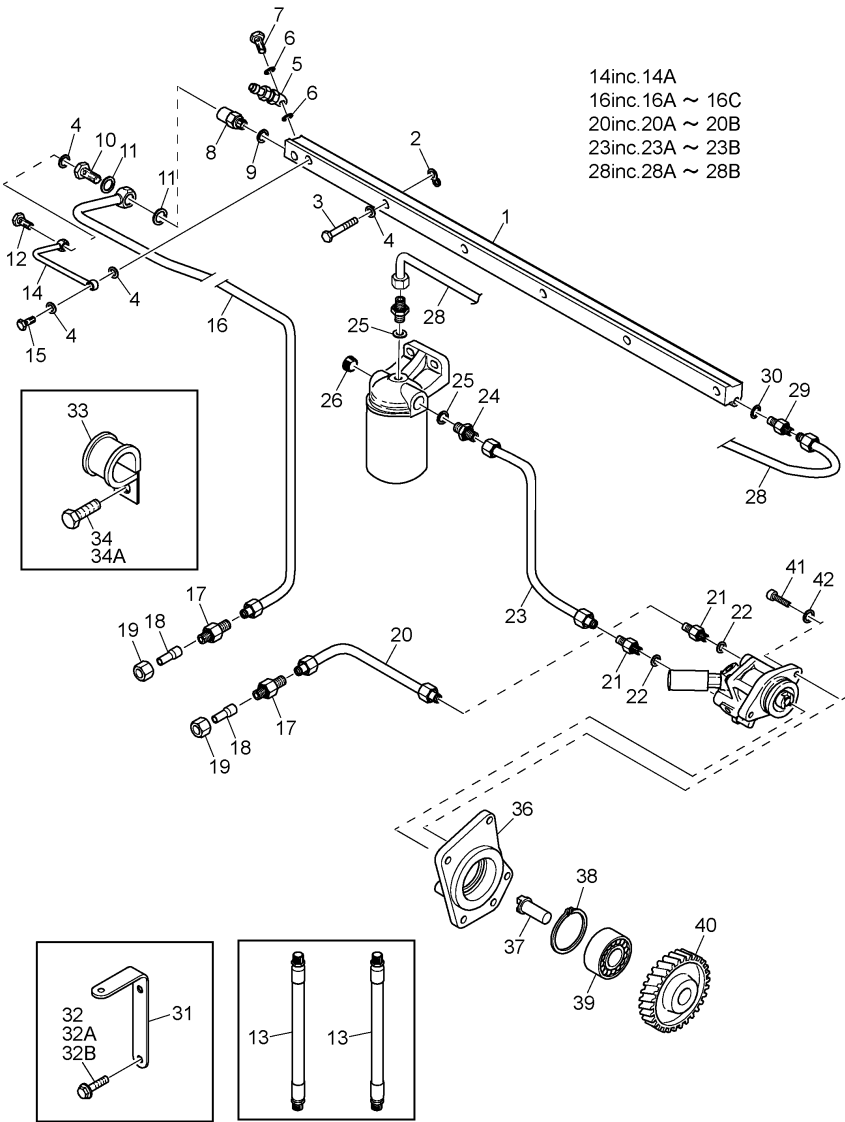
New, S:Old
Yes
No

New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

++ CONTINUE ++

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Fig.80. FUEL MANIFOLD,LH(E6511718-)



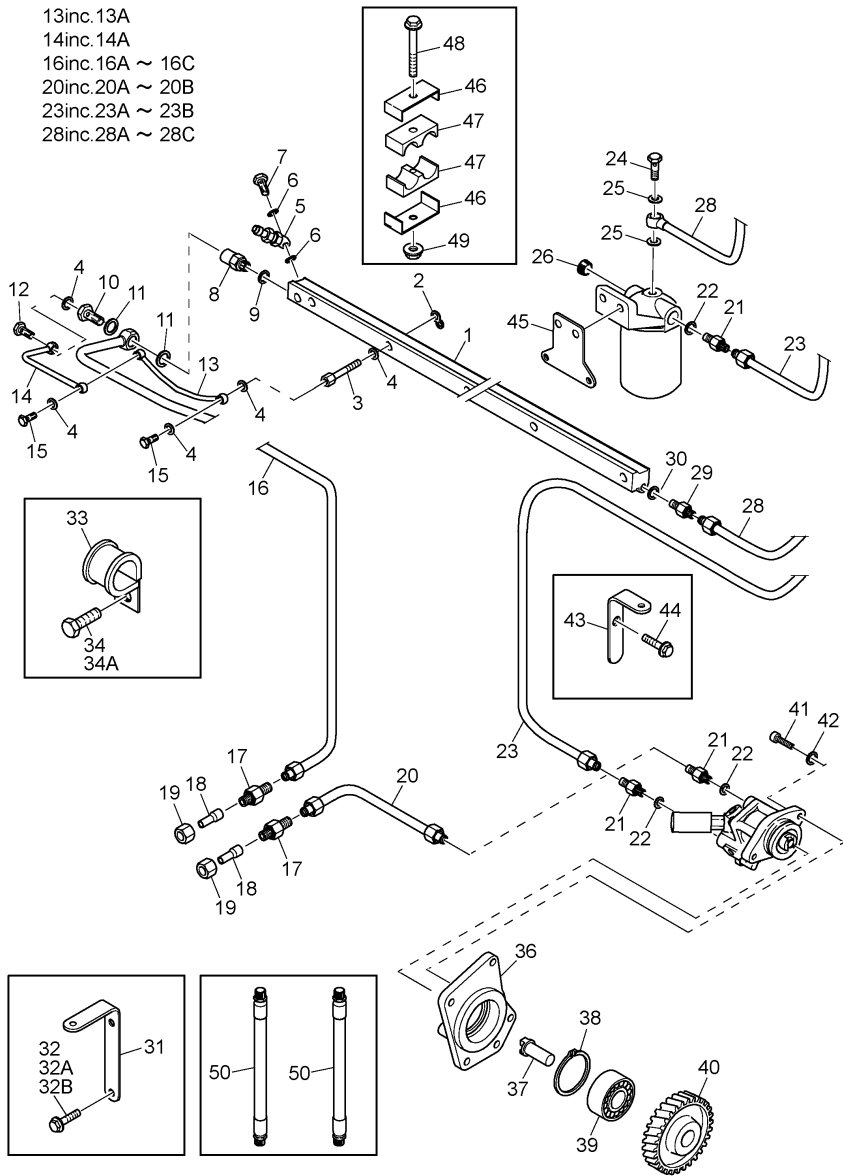
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32A	1	165000-26290	CLAMP, 12MM	2	2	2	2	2	2		
32B	1	165000-27240	SCREW, M6X16	1	1	1	1	1	1		
33	1	165000-26190	CLAMP, 12	2	2	2	2	2	2		
34	1	165000-27360	SCREW, M8X30	2	2	2	2	2	2		
34A	1	165000-36170	PLATE, SEPARATOR	2	2	2	2	2	2		
36	1	165000-34540	FLANGE	1	1	1	1	1	1		
37	1	165000-27700	SHAFT	1	1	1	1	1	1		
38	1	165000-32720	RING, RETAINING	1	1	1	1	1	1		
39	1	165000-31920	BEARING, BALL	1	1	1	1	1	1		
40	1	165000-34950	GEAR	1	1	1	1	1	1		
41	1	165000-27370	SCREW, M8X30	2	2	2	2	2	2		
42	1	165000-33150	WASHER, 8.4X16X1.6	2	2	2	2	2	2		

Fig.81. FUEL MANIFOLD,RH(-E6510528)

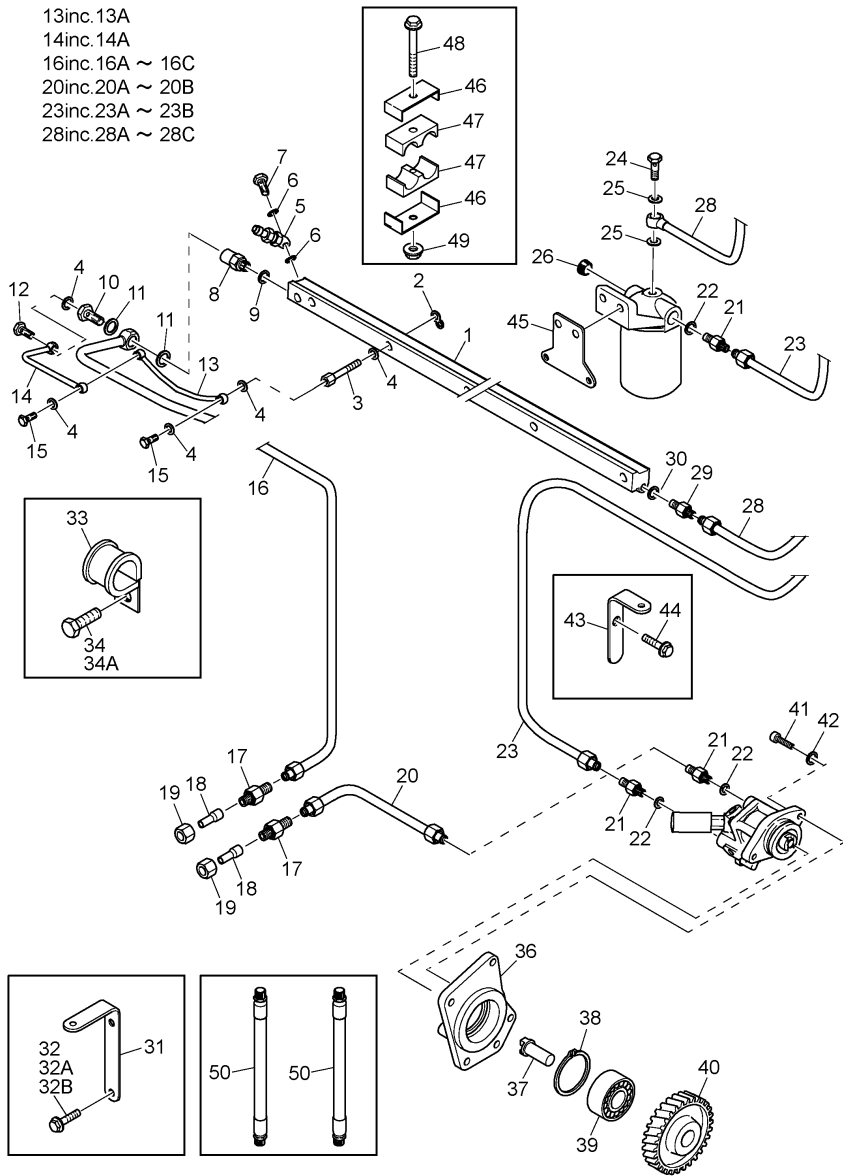
(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35410	MANIFOLD, FUEL	1	1	1					
2	1	165000-25170	GASKET	6	6	6					
3	1	165000-36900	SCREW, BANJO	6	6	6					
4	1	165000-27800	SEAL	25							
4-1	1	165000-93520	WASHER, SEAL	25	25	25				N	
(A=E****)											
5	1	165000-29100	NIPPLE, BLEEDER	1	1	1					
6	1	165000-27810	SEAL	2							
6-1	1	165000-93540	WASHER, SEAL	2	2	2				N	
(A=E****)											
7	1	165000-26880	SCREW, M10X1	1	1	1					
8	1	165000-30280	VALVE, OVERFLOW	1							
8-1	1	165001-31080	VALVE, OVERFLOW	1	1	1				N	
(A=E****)											
9	1	165000-27780	SEAL	1	1	1					
10	1	165000-26830	SCREW, BANJO	1	1	1					
11	1	165000-27820	SEAL	2							
11-1	1	165000-93550	WASHER, SEAL	2	2	2				N	
(A=E****)											
12	1	165000-26840	SCREW, BANJO	1	1	1					
13	1	165000-36020	PIPE, FUEL	5	5	5					
13A	2	165000-37610	UNION	10	10	10					
14	1	165000-36030	PIPE, FUEL	1	1	1					
14A	2	165000-37610	UNION	2	2	2					
15	1	165000-36880	SCREW, BANJO	5	5	5					
15A	1	165000-26840	SCREW, BANJO	1	1	1					
16	1	165000-35990	PIPE, FUEL	1	1	1					
16A	2	165000-32260	UNION, BANJO	1	1	1					
16B	2	165000-32490	NUT, UNION M12	1	1	1					
16C	2	165000-26130	FERRULE, 12	1	1	1					
17	1	165000-37710	UNION, STRAIGHT	2	2	2					
18	1	165000-37680	UNION, HOSE	2	2	2					
19	1	165000-32490	NUT, UNION M12	2	2	2					
20	1	165000-35960	PIPE, FUEL	1	1	1					
20A	2	165000-32490	NUT, UNION M12	2	2	2					
20B	2	165000-26130	FERRULE, 12	2	2	2					
21	1	165000-37730	UNION, STRAIGHT	3	3	3					
22	1	165000-37080	SEAL	3	3	3					
23	1	165000-36000	PIPE, FUEL	1	1	1					
23A	2	165000-32490	NUT, UNION M12	2	2	2					
23B	2	165000-26130	FERRULE, 12	2	2	2					
24	1	165000-27140	SCREW, M16X1.5	1	1	1					
25	1	165000-27820	SEAL	2	2	2					
26	1	165000-36250	PLUG, M16X1.5KX12	1	1	1					
28	1	165000-36010	PIPE, FUEL	1	1	1					
28A	2	165000-32260	UNION, BANJO	1	1	1					
28B	2	165000-32490	NUT, UNION M12	1	1	1					
28C	2	165000-26130	FERRULE, 12	1	1	1					
29	1	165000-37770	UNION, STRAIGHT	1	1	1					
30	1	165000-37080	SEAL	1	1	1					
31	1	165000-33740	BRACKET	1	1	1					

Fig.81. FUEL MANIFOLD,RH(-E6510528)



(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

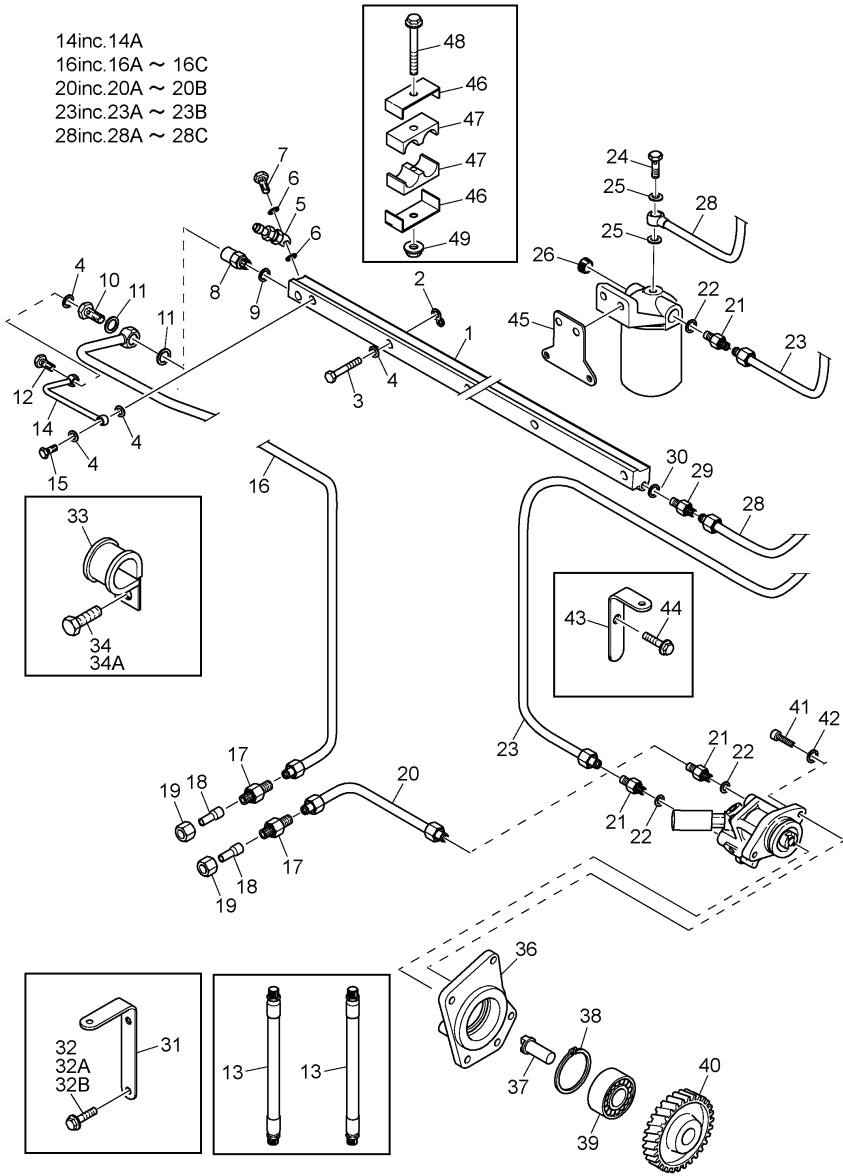
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32	1	165000-36760	SCREW	2	2	2					
32A	1	165000-26290	CLAMP, 12MM	2	2	2					
32B	1	165000-27240	SCREW, M6X16	1	1	1					
33	1	165000-26190	CLAMP, 12	3	3	3					
34	1	165000-27360	SCREW, M8X30	3	3	3					
34A	1	165000-36170	PLATE, SEPARATOR	3	3	3					
36	1	165000-34540	FLANGE	1	1	1					
37	1	165000-27700	SHAFT	1	1	1					
38	1	165000-32720	RING, RETAINING	1	1	1					
39	1	165000-31920	BEARING, BALL	1	1	1					
40	1	165000-34950	GEAR	1	1	1					
41	1	165000-27370	SCREW, M8X30	2	2	2					
42	1	165000-33150	WASHER, 8.4X16X1.6	2	2	2					
43	1	165000-33720	BRACKET	1	1	1					
44	1	165000-27360	SCREW, M8X30	1	1	1					
45	1	165000-33750	BRACKET	1	1	1					
46	1	165000-34000	CLAMP	6	6	6					
47	1	165000-35330	ISOLATOR, VIBRATION	6	6	6					
48	1	165000-27250	SCREW, M6X30	3	3	3					
49	1	165000-29010	NUT, FLANGE M6	3	3	3					
50	1	165000-49050	HOSE	2	2	2					

132871

Fig.82. FUEL MANIFOLD,RH(E6510529-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

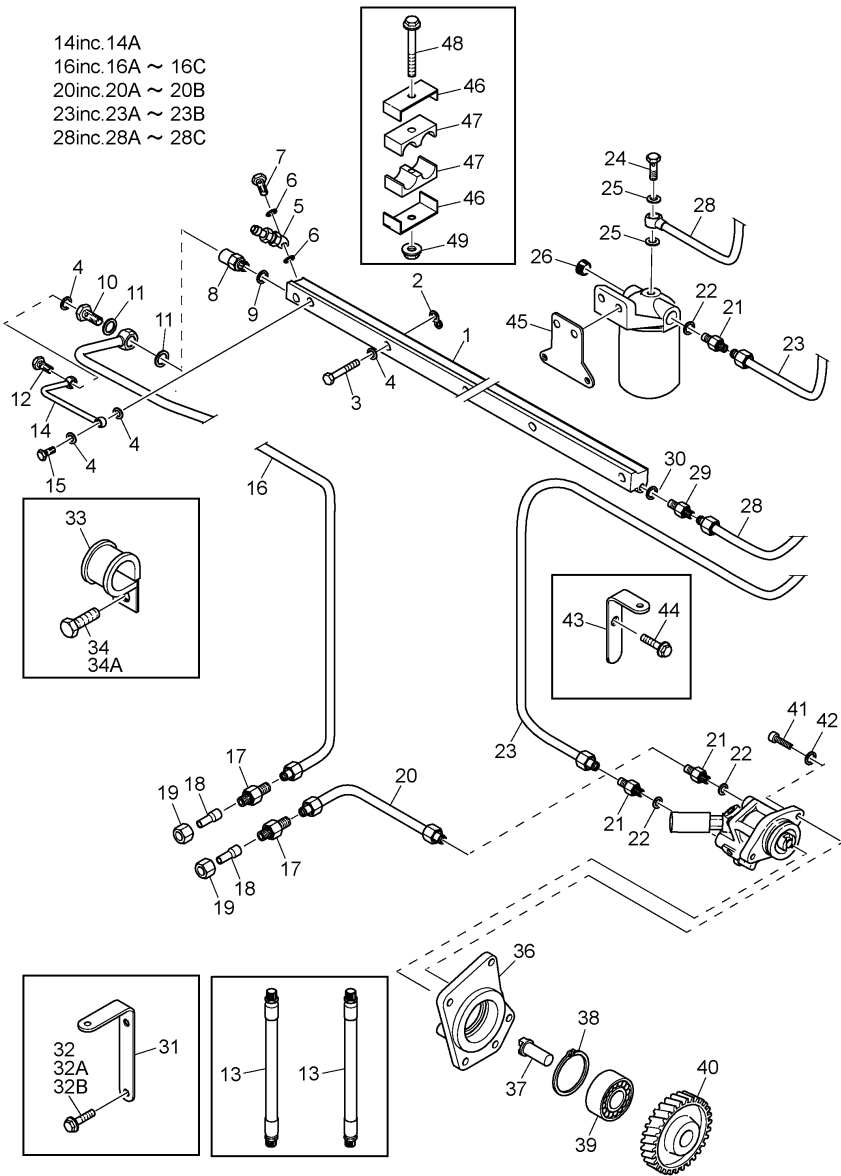


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49100	MANIFOLD, FUEL	1	1	1	1	1	1		
2	1	165000-25170	GASKET	6	6	6	6	6	6		
3	1	165000-49430	SCREW, BANJO	6	6	6					
3-1	1	165000-90230	SCREW, BANJO	6	6	6	6	6	6	N	
		(A=E*****) (B=E*****) (C=E*****)									
4	1	165000-27800	SEAL	10	10	10					
4-1	1	165000-93520	WASHER, SEAL	10	10	10	10	10	10	N	
		(A=E*****) (B=E*****) (C=E*****)									
5	1	165000-29100	NIPPLE, BLEEDER	1	1	1	1	1	1		
6	1	165000-27810	SEAL	2	2	2					
6-1	1	165000-93540	SEAL WASHER	2	2	2	2	2	2		
7	1	165000-26880	SCREW, M10X1	1	1	1	1	1	1		
8	1	165000-30280	VALVE, OVERFLOW	1	1	1					
8-1	1	165001-31080	VALVE, OVERFLOW	1	1	1	1	1	1	N	
		(A=E*****) (B=E*****) (C=E*****)									
9	1	165000-27780	SEAL	1	1	1	1	1	1		
10	1	165000-26830	SCREW, BANJO	1	1	1	1	1	1		
11	1	165000-27820	SEAL	2	2	2					
11-1	1	165000-93550	SEAL WASHER	2	2	2	2	2	2		
12	1	165000-26840	SCREW, BANJO	1	1	1	1	1	1		
13	1	165000-49050	HOSE	2	2	2	2	2	2		
14	1	165000-49180	PIPE, FUEL	1	1	1	1	1	1		
14A	2	165000-37610	UNION	2	2	2	2	2	2		
15	1	165000-26840	SCREW, BANJO	1	1	1	1	1	1		
16	1	165000-35990	PIPE, FUEL	1	1	1	1	1	1		
16A	2	165000-32260	UNION, BANJO	1	1	1	1	1	1		
16B	2	165000-32490	NUT, UNION M12	1	1	1	1	1	1		
16C	2	165000-26130	FERRULE, 12	1	1	1	1	1	1		
17	1	165000-37710	UNION, STRAIGHT	2	2	2	2	2	2		
18	1	165000-37680	UNION, HOSE	2	2	2	2	2	2		
19	1	165000-32490	NUT, UNION M12	2	2	2	2	2	2		
20	1	165000-35960	PIPE, FUEL	1	1	1	1	1	1		
20A	2	165000-32490	NUT, UNION M12	2	2	2	2	2	2		
20B	2	165000-26130	FERRULE, 12	2	2	2	2	2	2		
21	1	165000-37730	UNION, STRAIGHT	3	3	3	3	3	3		
22	1	165000-37080	SEAL	3	3	3	3	3	3		
23	1	165000-36000	PIPE, FUEL	1	1	1	1	1	1		
23A	2	165000-32490	NUT, UNION M12	2	2	2	2	2	2		
23B	2	165000-26130	FERRULE, 12	2	2	2	2	2	2		
24	1	165000-27140	SCREW, M16X1.5	1	1	1	1	1	1		
25	1	165000-27820	SEAL	2	2	2					
25-1	1	165000-93550	SEAL WASHER	2	2	2	2	2	2	N	
		(A=E*****) (B=E*****) (C=E*****)									
26	1	165000-36250	PLUG, M16X1.5KX12	1	1	1	1	1	1		
28	1	165000-36010	PIPE, FUEL	1	1	1	1	1	1		
28A	2	165000-32260	UNION, BANJO	1	1	1	1	1	1		
28B	2	165000-32490	NUT, UNION M12	1	1	1	1	1	1		
28C	2	165000-26130	FERRULE, 12	1	1	1	1	1	1		
29	1	165000-37770	UNION, STRAIGHT	1	1	1	1	1	1		
30	1	165000-37080	SEAL	1	1	1	1	1	1		
31	1	165000-33740	BRACKET	1	1	1	1	1	1		

Fig.82. FUEL MANIFOLD,RH(E6510529-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32	1	165000-36760	SCREW	2	2	2	2	2	2		
32A	1	165000-26290	CLAMP, 12MM	2	2	2	2	2	2		
32B	1	165000-27240	SCREW, M6X16	1	1	1	1	1	1		
33	1	165000-26190	CLAMP, 12	3	3	3	3	3	3		
34	1	165000-27360	SCREW, M8X30	3	3	3	3	3	3		
34A	1	165000-36170	PLATE, SEPARATOR	3	3	3	3	3	3		
36	1	165000-34540	FLANGE	1	1	1	1	1	1		
37	1	165000-27700	SHAFT	1	1	1	1	1	1		
38	1	165000-32720	RING, RETAINING	1	1	1	1	1	1		
39	1	165000-31920	BEARING, BALL	1	1	1	1	1	1		
40	1	165000-34950	GEAR	1	1	1	1	1	1		
41	1	165000-27370	SCREW, M8X30	2	2	2	2	2	2		
42	1	165000-33150	WASHER, 8.4X16X1.6	2	2	2	2	2	2		
43	1	165000-33720	BRACKET	1	1	1	1	1	1		
44	1	165000-27360	SCREW, M8X30	1	1	1	1	1	1		
45	1	165000-33750	BRACKET	1	1	1	1	1	1		
46	1	165000-34000	CLAMP	6	6	6	6	6	6		
47	1	165000-35330	ISOLATOR, VIBRATION	6	6	6	6	6	6		
48	1	165000-27250	SCREW, M6X30	3	3	3	3	3	3		
49	1	165000-29010	NUT, FLANGE M6	3	3	3	3	3	3		

136355

Fig.83. HYD PUMP 16L (OPTION)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-32120	PUMP ASSY, HYDRAULIC	1	1	1	1	1	1		
26	1	165000-24640	O-RING, 64.5X3	1	1	1	1	1	1		
27	1	165000-49010	GEAR	1	1	1	1	1	1		
28	1	165000-28970	NUT, FLANGE M14X1,5	1	1	1	1	1	1		
29	1	165000-49630	STUD, M10X50	2	2	2	2	2	2		
30	1	165000-28870	NUT, FLANGE M10	2	2	2	2	2	2		

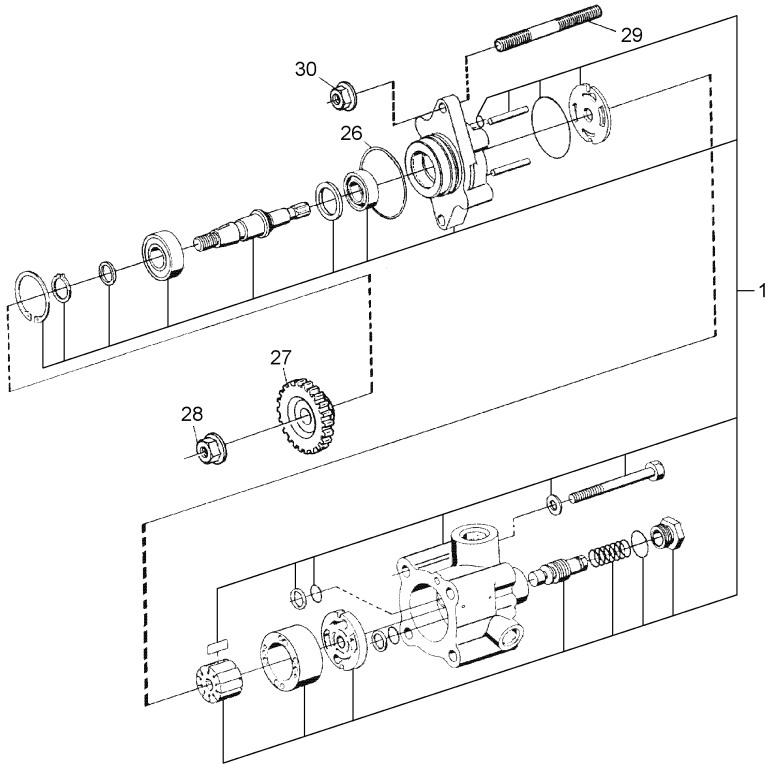
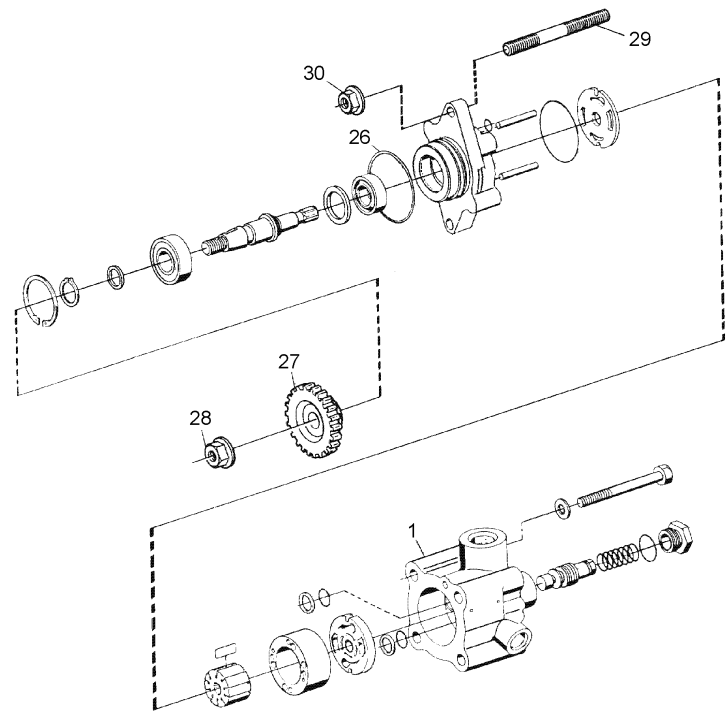


Fig.84. HYD PUMP 22L (OPTION)

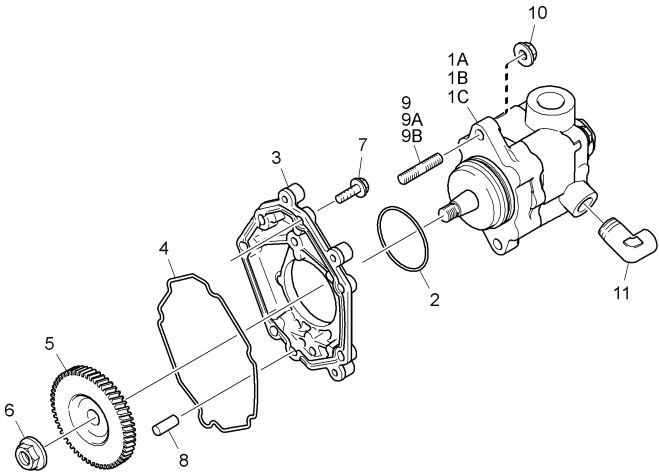


25960

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-32150	PUMP ASSY, HYDRAULIC	1	1	1					
1-1	1	165000-73810	PUMP ASSY, HYDRAULIC	1	1	1	1	1	1	N	
(A=E****) (B=E****) (C=E****)											
26	1	165000-24640	O-RING, 64.5X3	1	1	1	1	1	1		
27	1	165000-49010	GEAR	1	1	1	1	1	1		
28	1	165000-28970	NUT, FLANGE M14X1,5	1	1	1	1	1	1		
29	1	165000-49630	STUD, M10X50	2	2	2	2	2	2		
30	1	165000-28870	NUT, FLANGE M10	2	2	2	2	2	2		

Fig.85. HYD PUMP MOUNTING (OPTION)



146319

Remarks
(1)16L
(2)22L
(3)WHEN THERE IS NO HYDRAULIC PUMP

				(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2	OCR10-M57702 Fig.85 (D)=6SY650 (E)=6SY720 (F)=6SY750						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	165000-32120	PUMP ASSY, HYDRAULIC	1	1	1	1	1	1		1
1B	1	165000-32150	PUMP ASSY, HYDRAULIC	1	1	1					2
1B-1	1	165000-73810	PUMP ASSY, HYDRAULIC	1	1	1	1	1	1	N	2
(A=E*****) (B=E*****) (C=E*****)											
1C	1	165000-30810	PLUG, CORE	1	1	1	1	1	1		3
2	1	165000-24640	O-RING, 64.5X3	1	1	1	1	1	1		
3	1	165000-48950	FLANGE	1	1	1	1	1	1		
4	1	165000-48990	GASKET	1	1	1	1	1	1		
5	1	165000-49010	GEAR	1	1	1	1	1	1		
6	1	165000-28970	NUT, FLANGE M14X1,5	1	1	1	1	1	1		
7	1	165000-27330	SCREW, M8X25	5	5	5					
7-1	1	165001-31090	SCREW, FLANGE	5	5	5	5	5	5	N	
(A=E*****) (B=E*****) (C=E*****)											
8	1	165000-30480	PIN, 10X25	2	2	2	2	2	2		
9	1	165000-49630	STUD, M10X50	2	2	2	2	2	2		
9A	1	165000-36760	SCREW	2	2	2	2	2	2		3
9B	1	165000-27770	SEAL	2	2	2	2	2	2		3
10	1	165000-28870	NUT, FLANGE M10	2	2	2	2	2	2		
11	1	165000-93560	UNION, ELBOW	1	1	1	1	1	1		

Fig.86. ALTERNATOR, MOUNTING

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-33630	BRACKET	1	1	1	1	1	1		
3	1	165000-36970	SCREW, M10X115	1	1	1	1	1	1		
4	1	165000-27160	SCREW, M16X90	2	2	2	2	2	2		
5	1	165000-26950	SCREW, M10X35	1	1	1	1	1	1		
6	1	165000-26950	SCREW, M10X35	1	1	1	1	1	1		
7	1	165000-34440	FAN	1	1	1	1	1	1		
8	1	165000-36280	PULLEY	1	1	1	1	1	1		
10	1	165000-33710	BRACKET	1	1	1	1	1	1		

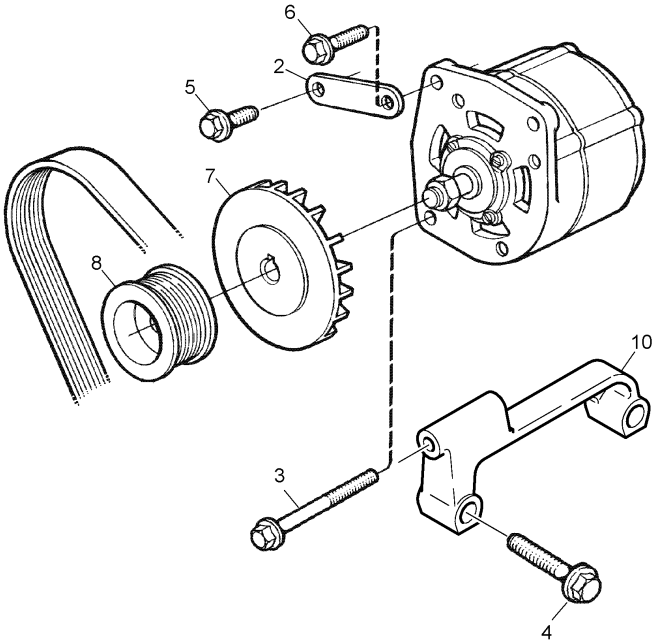
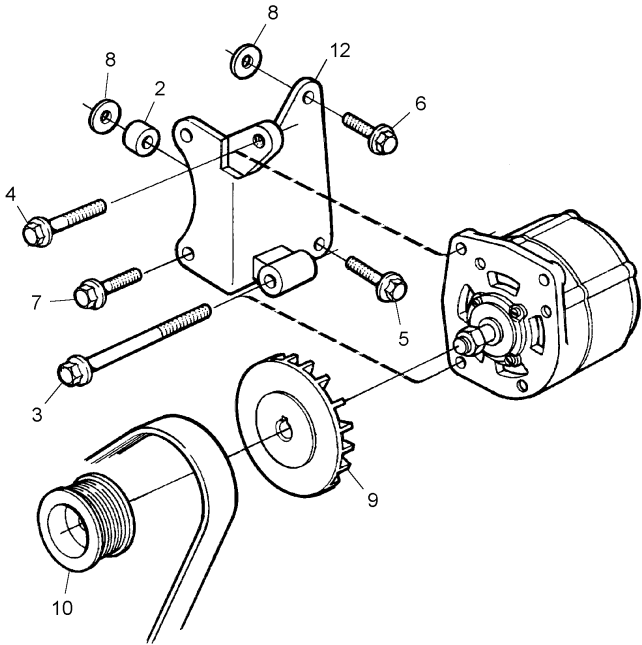


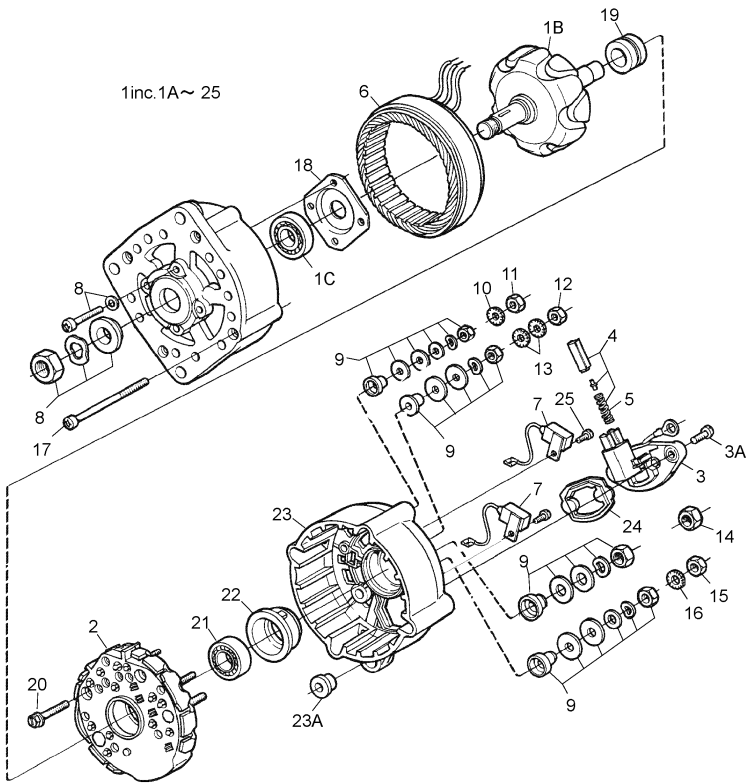
Fig.87. ALTERNATOR EXTRA, MOUNTING



(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-28780	TUBE	1	1	1	1	1	1		
3	1	165000-36970	SCREW, M10	1	1	1	1	1	1		
4	1	165000-26990	SCREW, M10X40	1	1	1	1	1	1		
5	1	165000-27360	SCREW, M8X30	1	1	1	1	1	1		
6	1	165000-27330	SCREW, M8X25	1	1	1	1	1	1		
7	1	165000-26930	SCREW, M10X30	2	2	2					
7-1	1	165000-26910	SCREW, M10X25	2	2	2	2	2	2	N	
	(A=E****)	(B=E****)	(C=E****)								
8	1	165000-37920	WASHER	2	2	2	2	2	2		
9	1	165000-34440	FAN	1	1	1	1	1	1		
10	1	165000-36280	PULLEY	1	1	1	1	1	1		
12	1	165000-33700	BRACKET	1	1	1	1	1	1		

Fig.88. ALTERNATOR



120042

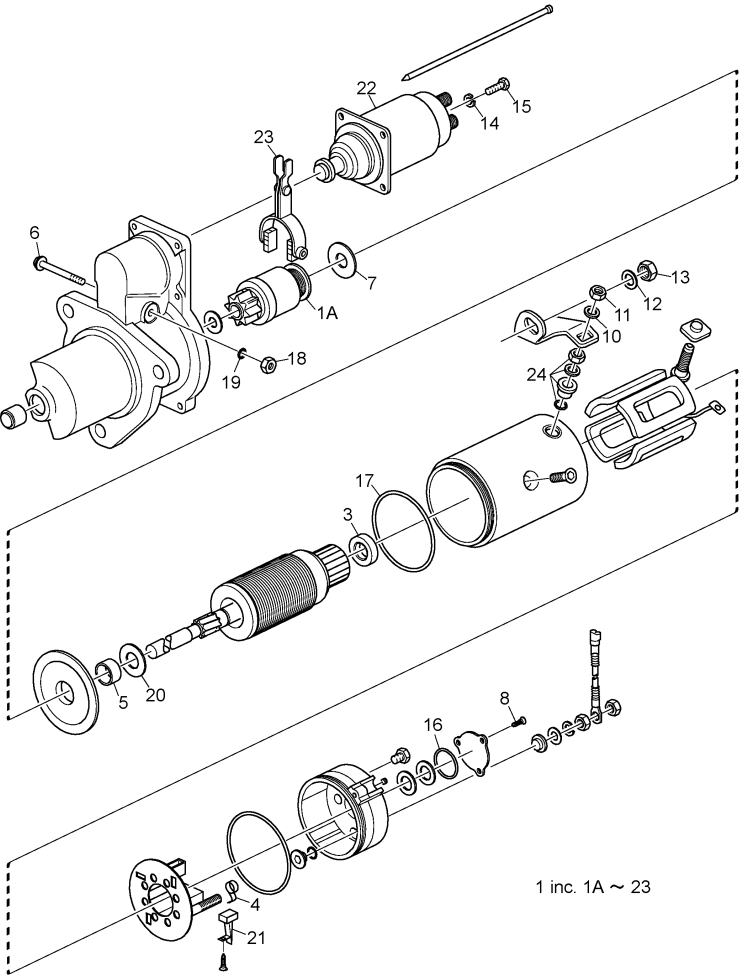
Remarks
(1)165000-33360 EXCHANGE UNIT.
SEE PAPER EDITION DATED 2.2002 AND
EARLIER.
(2)165000-35540 B+ INSULATED

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33380	ALTERNATOR ASSY	1	1	1	1	1	1		
1-1	1	165000-59450	ALTERNATOR	1	1	1	1	1	1		1
1A	2	165000-49560	SHEILD, BEARING	1	1	1	1	1	1		
1B	2	165000-49390	ROTOR	1	1	1	1	1	1		
1C	2	165000-33480	BEARING, BALL	1	1	1	1	1	1		
2	2	165000-36450	RECTIFIER	1	1	1	1	1	1		
3	2	165000-36460	REGULATOR, CHARGE	1	1	1	1	1	1		
3A	2	165000-49400	SCREW	2	2	2	2	2	2		
4	2	165000-33790	BRUSH, CARBON	1	1	1	1	1	1		
5	2	165000-28130	SPRING	2	2	2	2	2	2		
6	2	165000-37300	STATOR	1	1	1	1	1	1		
7	2	165000-27550	CONDENSER	2	2	2	2	2	2		
8	2	165000-35510	MOUNT KIT	1	1	1	1	1	1		
9	2	165000-38030	REPAIR KIT	1	1	1	1	1	1		
10	2	165000-37940	WASHER	1	1	1	1	1	1		
11	2	165000-35550	NUT, HEXAGON M4	1	1	1	1	1	1		
12	2	165000-29000	NUT, M5	1	1	1	1	1	1		
13	2	165000-37950	WASHER	2	2	2	2	2	2		
14	2	165000-35540	NUT	1	1	1					
14-1	2	165000-72830	NUT	1	1	1	1	1	1	N	2
15	2	165000-29020	NUT, HEXAGON M6	1	1	1	1	1	1		
16	2	165000-38000	WASHER, SERRATED	1	1	1	1	1	1		
17	2	165000-36840	SCREW	4	4	4	4	4	4		
18	2	165000-37990	WASHER, COVER	1	1	1	1	1	1		
19	2	165000-36560	RING, SLIP	1	1	1	1	1	1		
20	2	165000-26640	SCREW	2	2	2	2	2	2		
21	2	165000-33530	BEARING, ROLLER	1	1	1	1	1	1		
22	2	165000-36510	RING	1	1	1	1	1	1		
23	2	165000-36570	RING, SLIP	1	1	1	1	1	1		
23A	2	165000-48840	BUSH	1	1	1	1	1	1		
24	2	165000-34610	FRAME	2	2	2	2	2	2		
25	2	165000-36810	SCREW	2	2	2	2	2	2		

Fig.89. STARTER MOTOR

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



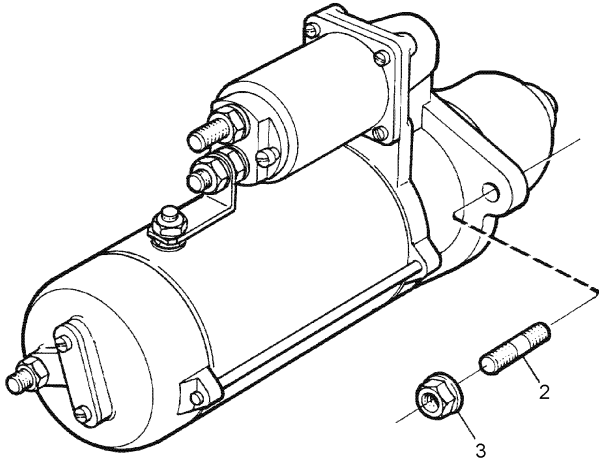
1 inc. 1A ~ 23

126682

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-29830	STARTER ASSY	1	1	1	1	1	1		
1-1	1	165001-41660	STARTER ASSY	1	1	1	1	1	1		1
1A	2	165000-30440	PINION, STARTER	1	1	1	1	1	1		
3	2	165000-31950	BEARING, BALL	1	1	1	1	1	1		
4	2	165000-28170	SPRING, COMPRESSION	4	4	4	4	4	4		
5	2	165000-29120	BRARING, NEEDLE	1	1	1	1	1	1		
6	2	165000-26770	SCREW	1	1	1	1	1	1		
7	2	165000-33010	WASHER	1	1	1	1	1	1		
8	2	165000-26710	SCREW	3	3	3	3	3	3		
10	2	165000-33060	WASHER, 10.2	2	2	2	2	2	2		
11	2	165000-28900	NUT, HEXAGON M10	2	2	2	2	2	2		
12	2	165000-33080	WASHER, 12.2	1	1	1	1	1	1		
13	2	165000-28930	NUT, HEXAGON M12	1	1	1	1	1	1		
14	2	165000-33130	WASHER, 6.1	1	1	1	1	1	1		
15	2	165000-26740	SCREW	1	1	1	1	1	1		
16	2	165000-24500	O-RING	1	1	1	1	1	1		
17	2	165000-24440	O-RING	1	1	1	1	1	1		
18	2	165000-29050	NUT, HEXAGON M6	1	1	1	1	1	1		
19	2	165000-25390	GASKET	1	1	1	1	1	1		
20	2	165000-33020	WASHER	1	1	1	1	1	1		
21	2	165000-31220	BRUSH, CARBON	1	1	1	1	1	1		
22	2	165000-28000	SWITCH, SOLENOID	1	1	1	1	1	1		
23	2	165000-30610	FORK, SHAFT	1	1	1	1	1	1		
24	1	165000-32580	REPAIR KIT	1	1	1	1	1	1		

Remarks
(1)EXCHANG UNIT.
SEE PAPER EDITION DATED 12.2002 AND
EARLIER.

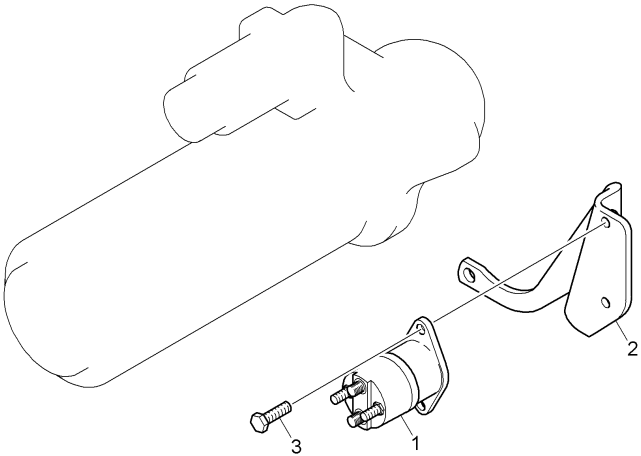
Fig.90. STARTER MOTOR, FITTING PARTS



(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-28040	STUD, M12X50	3	3	3					
2-1	1	165001-26620	STUD	3	3	3	3	3	3	N	
		(A=E*****) (B=E*****) (C=E*****)									
3	1	165000-28950	NUT, M12	3	3	3	3	3	3		

Fig.91. RELAY, STARTER MOTOR



(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

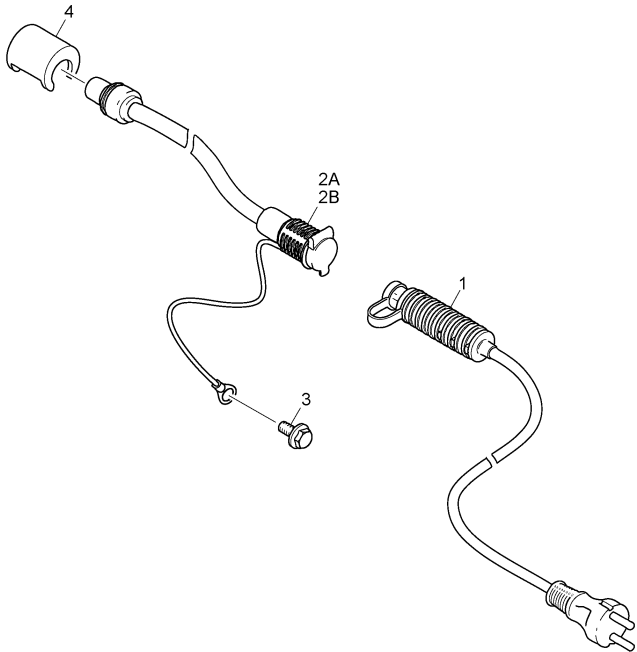
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-72840	RELAY, STARTER	1	1	1	1	1	1		
2	1	165000-72850	BRACKET	1	1	1	1	1	1		
3	1	165000-72860	SCREW	2	2	2	2	2	2		

Fig.92. CONNECTION CABLE (OPTION)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33820	CABLE, CONNECTION	1	1	1	1	1	1		1
2A	1	165000-33830	CABLE, INPUT	1	1	1	1	1	1		2
2B	1	165000-73800	CABLE, INPUT	1	1	1	1	1	1		3
3	1	165000-37050	SCREW, M6X20	1	1	1	1	1	1		
4	1	165000-48890	CLIP	1	1	1	1	1	1		



138795

Remarks
AUXILIARY HEATER, SMALL TYPE
(1) L=5000
(2) L=750
(3) L=1500

Fig.93. MIXING ELBOW, EXHAUST(OPTION)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-26430	EXHAUST PIPE ASSY	1	1	1	1	1	1		
2	1	165001-26440	CLAMP	1	1	1	1	1	1		
3	1	165001-26450	FLANGE	1	1	1	1	1	1		
4	1	165001-26460	PLUG	1	1	1	1	1	1		
5	1	165001-21330	GASKET	1	1	1	1	1	1		
6	1	165001-26470	STUD	6	6	6	6	6	6		
7	1	165000-28870	NUT, FLANGE M10	6	6	6	6	6	6		

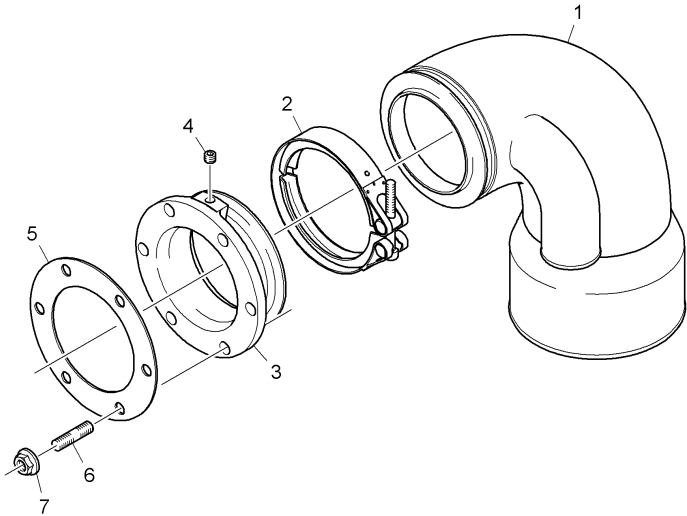
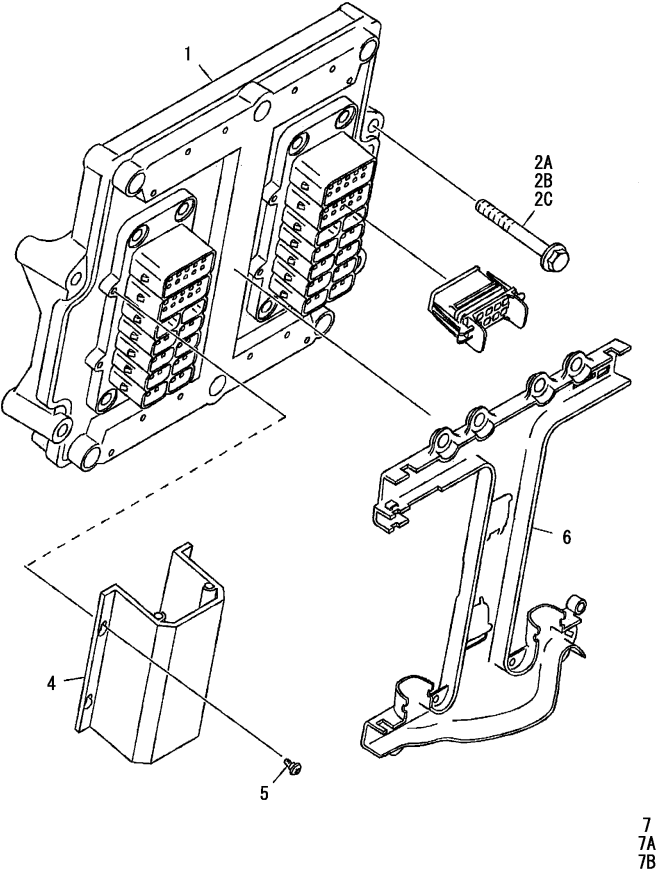


Fig.94. ELECTRONIC CONTROL UNIT

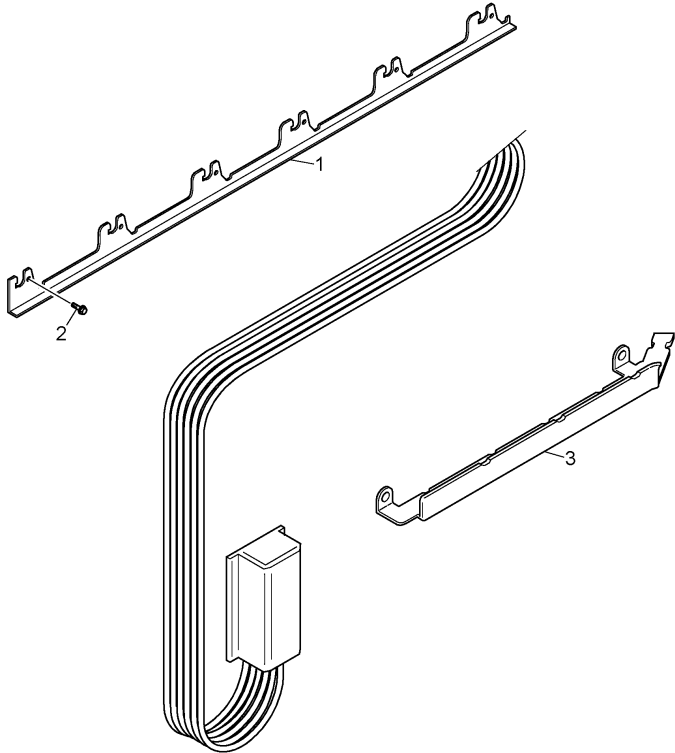


(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-48940	ECU	1	1	1	1	1	1		1
2A	1	165000-27430	SCREW, M8X60	4	4	4	4	4	4		
2B	1	165000-27430	SCREW, M8X60	2	2	2	2	2	2		
2C	1	165000-27460	SCREW, M8X70	2	2	2	2	2	2		
4	1	165000-26350	CASE	2	2	2	2	2	2		
4-1	1	165000-48920	COVER	2	2	2	2	2	2	N	
(A=E*****) (B=E*****) (C=E*****) (D=E*****) (E=E*****) (F=E*****)											
5	1	165000-27200	SCREW, M4X8	8	8	8	8	8	8		
6	1	165000-58720	DUCT	1	1	1	1	1	1	W	
7	1	165001-27150	SCREW, FLANGE	8	8	8	8	8	8		
7A	1	165000-28800	TIE, CABLE L=185X4.6	8	8	8	8	8	8		
7B	1	165001-39280	TIE, CABLE L=100X2.4	4	4	4	4	4	4		

Remarks
(1)When ordering, please tell a model and a engine No..

Fig.95. CABLE RETAINER,CYLINDER HEAD



3A

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

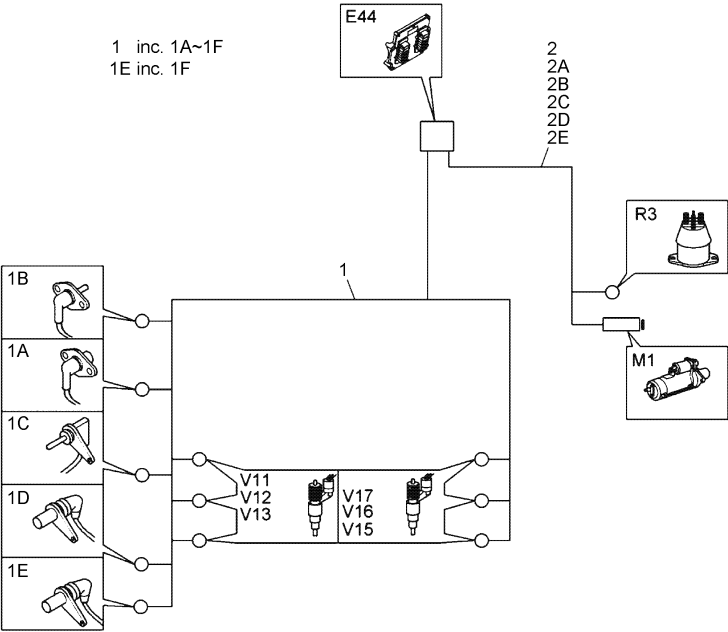
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34390	DUCT	1	1	1	1	1	1		
2	1	165000-27240	SCREW, M6X16	6	6	6	6	6	6		
3	1	165000-34380	DUCT	1	1	1	1	1	1		
3A	1	165001-39290	TIE, CABLE L=380	7	7	7	7	7	7	W	

Fig.96. CABLE HARNESS,ENGINE(-E6513142)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

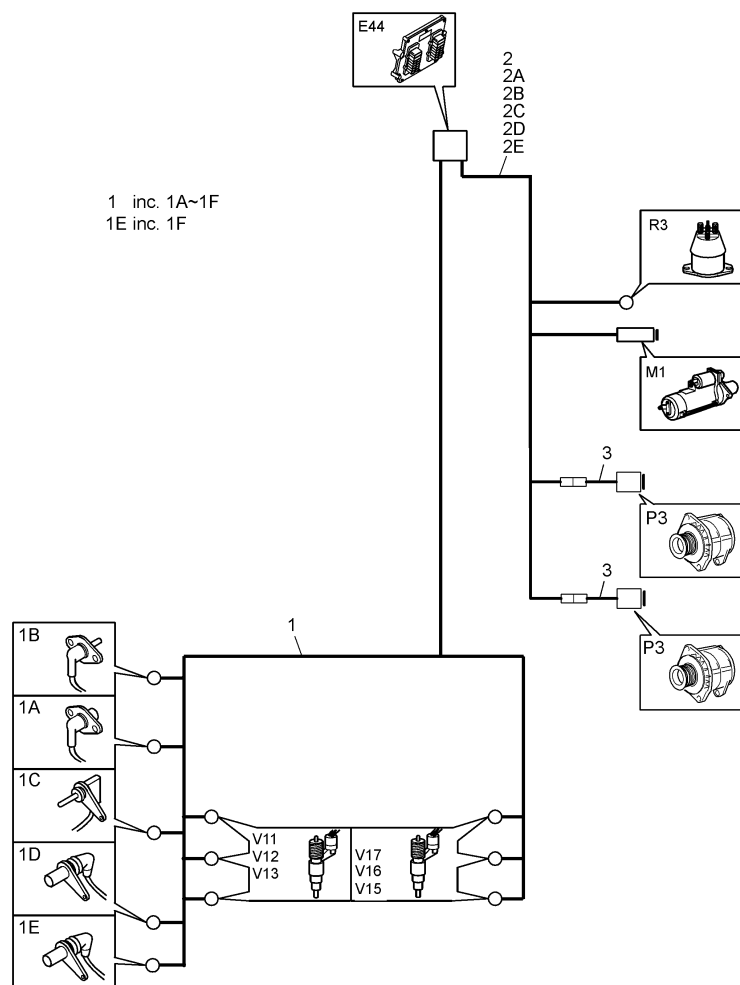
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-26480	HARNESS, CABLE ASSY	1							
1-1	1	165001-31110	HARNESS, CABLE ASSY	1						N	
(A=E*****)											
1A	2	165001-31120	SENSOR, OIL PRESSURE	1							
1B	2	165001-31130	SENSOR, BOOST PRESSU	1							
1C	2	165001-31510	SENSOR, TEMPERATURE	1							
1D	2	165001-31150	SENSOR, SPEED	1							1
1E	2	165001-31160	SENSOR, SPEED	1							2
1F	3	165000-37120	SENSOR, SPEED	1							
2	1	165000-35030	HARNESS, CABLE	1							
2A	1	165000-48820	BRACKET	1							
2B	1	165000-36760	SCREW, M10X20	1							
2C	1	165000-51220	WASHER, 10.5X22	1							
2D	1	165000-48860	CLAMP, 20	1							
2E	1	165000-27240	SCREW, M6X16	1							



132257

Remarks
(1)ENGINE SPEED 1
(2)ENGINE SPEED 2

Fig.97. CABLE HARNESS,ENGINE(E6513143-)



145605

Remarks
(1)ENGINE SPEED 1
(2)ENGINE SPEED 2

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

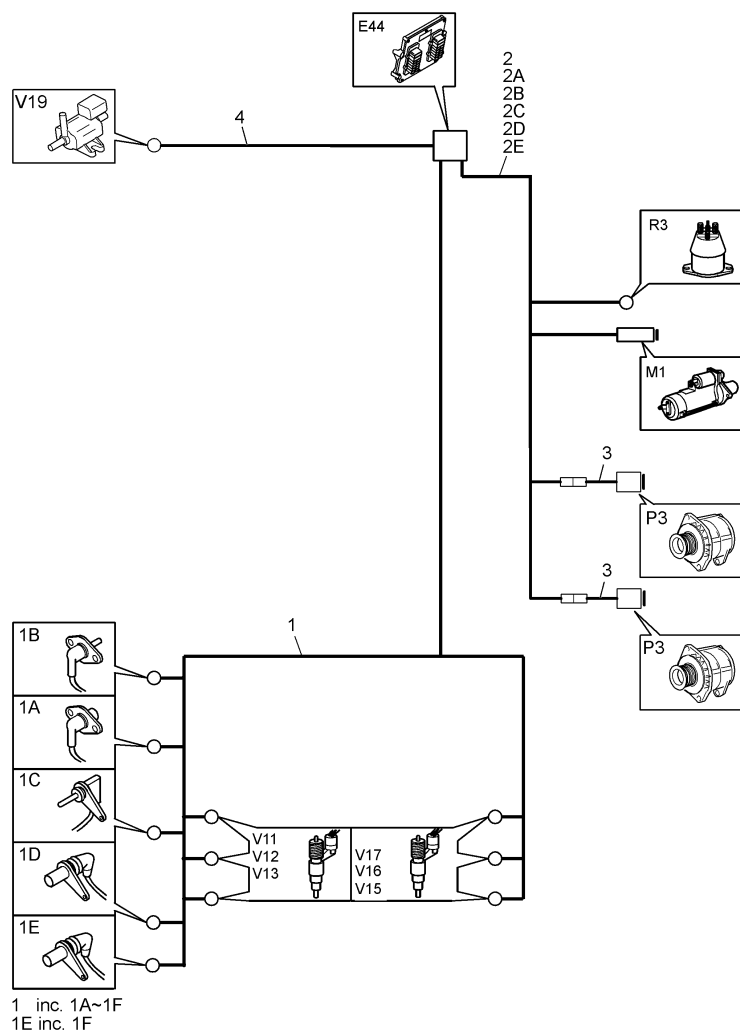
(D)=6SY650
(E)=6SY720
(F)=6SY750

[illegible]

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

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Fig.98. CABLE HARNESS,ENGINE(-E6515770)



145604

No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		(D)=6SY650 (E)=6SY720 (F)=6SY750				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-26480	HARNESS, CABLE ASSY		1	1					
1-1	1	165001-31110	HARNESS, CABLE ASSY		1	1					N
		(A=E*****)									
1A	2	165001-31120	SENSOR, OIL PRESSURE		1	1					
1B	2	165001-31130	SENSOR, BOOST PRESSU		1	1					
1C	2	165001-31510	SENSOR, TEMPERATURE		1	1					
1D	2	165001-31150	SENSOR, SPEED		1	1					1
1E	2	165001-31160	SENSOR, SPEED		1	1					2
1F	3	165000-37120	SENSOR, SPEED		1	1					
2	1	165000-35030	HARNESS, CABLE		1	1					
2A	1	165000-48820	BRACKET		1	1					
2B	1	165000-36760	SCREW, M10X20		1	1					
2C	1	165000-51220	WASHER, 10.5X22		1	1					
2D	1	165000-48860	CLAMP, 20		1	1					
2E	1	165000-27240	SCREW, M6X16		1	1					
3	1	165000-90820	HARNESS, CABLE		2	2					
3-1	1	165001-31170	HARNESS, CABLE		2	2					N
		(A=E*****)									
4	1	165000-91200	HARNESS, CABLE		1	1					

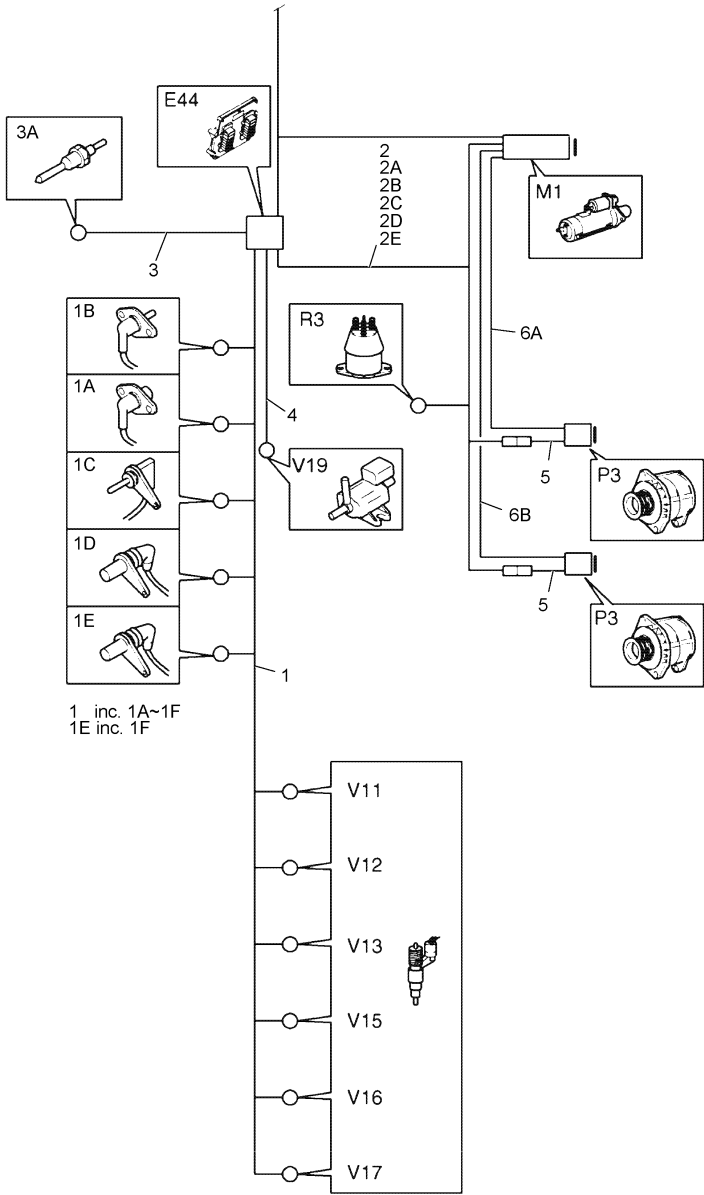
Remarks
(1)ENGINE SPEED 1
(2)ENGINE SPEED 2

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

Fig.99. CABLE HARNESS,ENGINE(E6515771-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

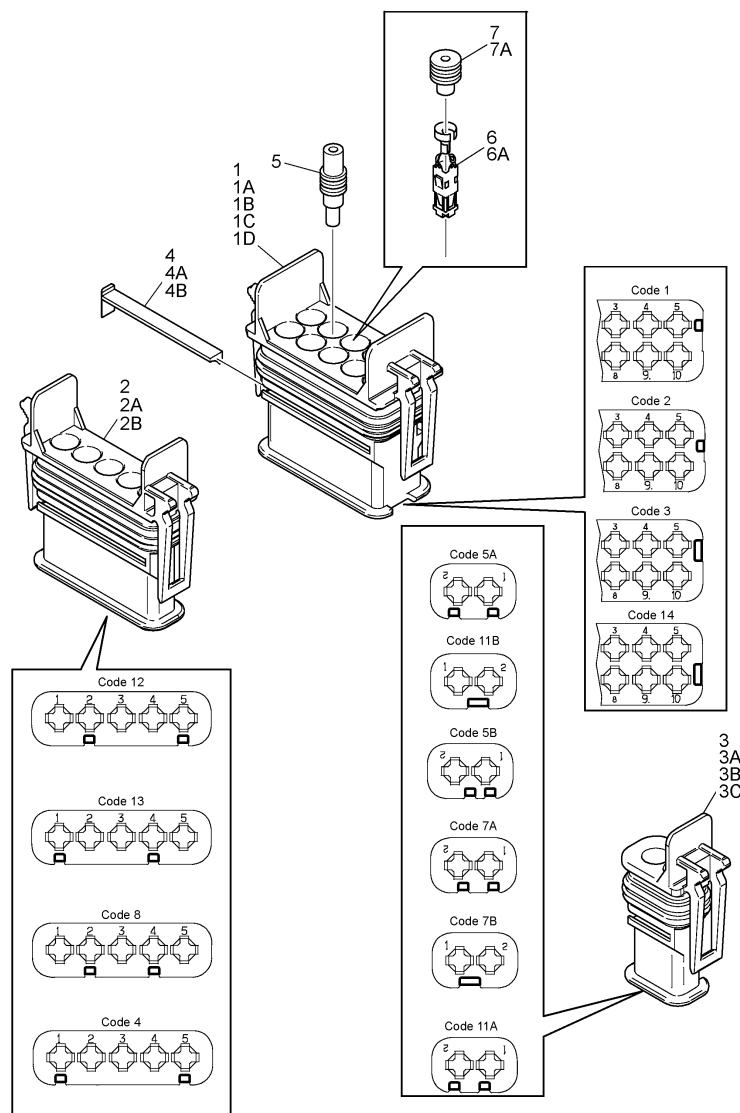


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-26480	HARNESS, CABLE ASSY	1	1	1	1	1	1		
1-1	1	165001-31110	HARNESS, CABLE ASSY	1	1	1	1	1	1	N	
		(B=E****)	(C=E****)	(D=E****)	(E=E****)				(F=E****)		
1A	2	165001-31120	SENSOR, OIL PRESSURE	1	1	1	1	1	1		
1B	2	165001-31130	SENSOR, BOOST PRESSU	1	1	1	1	1	1		
1C	2	165001-31510	SENSOR, TEMPERATURE	1	1	1	1	1	1		
1D	2	165001-31150	SENSOR, SPEED	1	1	1	1	1	1		1
1E	2	165001-31160	SENSOR, SPEED	1	1	1	1	1	1		2
1F	3	165000-37120	SENSOR, SPEED	1	1	1	1	1	1		
2	1	165000-35030	HARNESS, CABLE	1	1	1	1	1	1		
2A	1	165000-48820	BRACKET	1	1	1	1	1	1		
2B	1	165000-36760	SCREW, M10X20	1	1	1	1	1	1		
2C	1	165000-51220	WASHER, 10.5X22	1	1	1	1	1	1		
2D	1	165000-48860	CLAMP, 20	1	1	1	1	1	1		
2E	1	165000-27240	SCREW, M6X16	1	1	1	1	1	1		
3	1	165000-50200	HARNESS, CABLE	1	1	1	1	1	1		
3A	1	165001-24300	MONITOR, LEVEL	1	1	1	1	1	1		
4	1	165000-91200	HARNESS, CABLE	1	1	1	1	1	1		
5	1	165000-90820	HARNESS, CABLE	2	2						
5-1	1	165001-31170	HARNESS, CABLE	2	2	2	2	2	2	N	
		(B=E****)	(C=E****)	(D=E****)	(E=E****)				(F=E****)		
6A	1	165001-45560	HARNESS, CABLE	1	1	1	1	1	1		
6B	1	165001-45560	HARNESS, CABLE	2	2	2	2	2	2		

Remarks
(1)ENGINE SPEED 1
(2)ENGINE SPEED 2

Fig.100. CONTACT HOUSING, ECU

(D)=6SY650
(E)=6SY720
(F)=6SY750



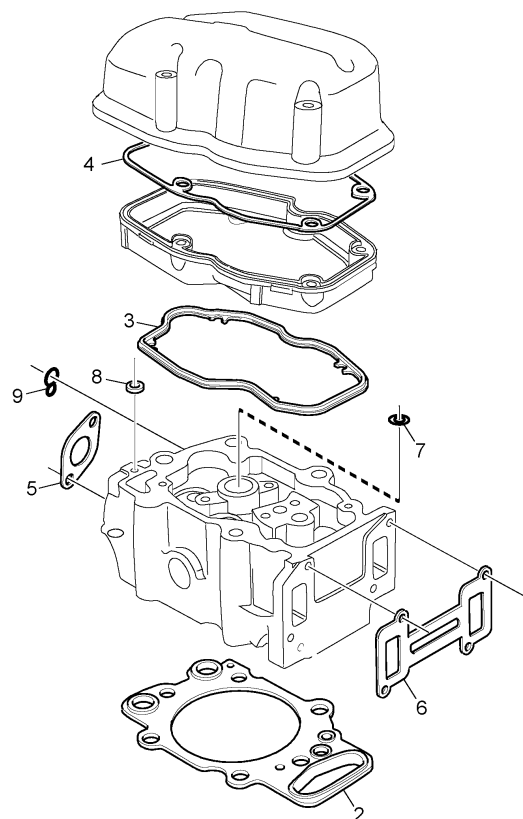
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-29940	CONTACT 10-POL.CODE1	1	1	1	1	1	1		1
1-1	1	165000-90830	HOUSING, CONTACT	1	1	1	1	1	1	N	1
	(A=E*****)	(B=E*****)	(C=E*****)								
1A	1	165000-29950	CONTACT 10-POL.CODE2	1	1	1	1	1	1		1
1B	1	165000-29960	CONTACT 10-POL.CODE3	1	1	1	1	1	1		1
1C	1	165000-53200	HOUSING, CONTACT	1	1	1	1	1	1	W	1
	(A=E*****)	(B=E*****)	(C=E*****)								
1D	1	165000-29930	CONTACT 10-POL.CODE0	1	1	1	1	1	1		1
2	1	165000-30040	CONTACT 5-POL.CODE12	1	1	1	1	1	1		1
2A	1	165000-30050	CONTACT 5-POL.CODE13	1	1	1	1	1	1		1
2B	1	165000-30030	CONTACT 5-POL.CODE0	1	1	1	1	1	1		1
3	1	165000-29990	CONTACT 2-POL.CODE7A	1	1	1	1	1	1		1
3A	1	165000-30000	CONTACT 2-POL.CODE7B	1	1	1	1	1	1		1
3B	1	165000-29980	CONTACT2-POL.CODE11A	1	1	1	1	1	1		1
3C	1	165000-29970	CONTACT 2-POL.CODE0	1	1	1	1	1	1		1
4	1	165000-30450	PIN, LOCK 10-POL	1	1	1	1	1	1		1
4A	1	165000-30450	PIN, LOCK 5-POL	1	1	1	1	1	1	W	1
	(A=E*****)	(B=E*****)	(C=E*****)								
4B	1	165000-30460	PIN, LOCK 2-POL	1	1	1	1	1	1		1
5	1	165000-30760	PLUG	1	1	1	1	1	1		1
6	1	165000-28240	SLEEVE	1	1	1	1	1	1		1
6A	1	165000-53210	TERMINAL, CABLE FLAT	1	1	1	1	1	1		1
7	1	165000-27830	SEAL	1	1	1	1	1	1		1
7A	1	165000-53220	SEALING	1	1	1	1	1	1		1

Remarks	(1) REQUIRE
---------	-------------

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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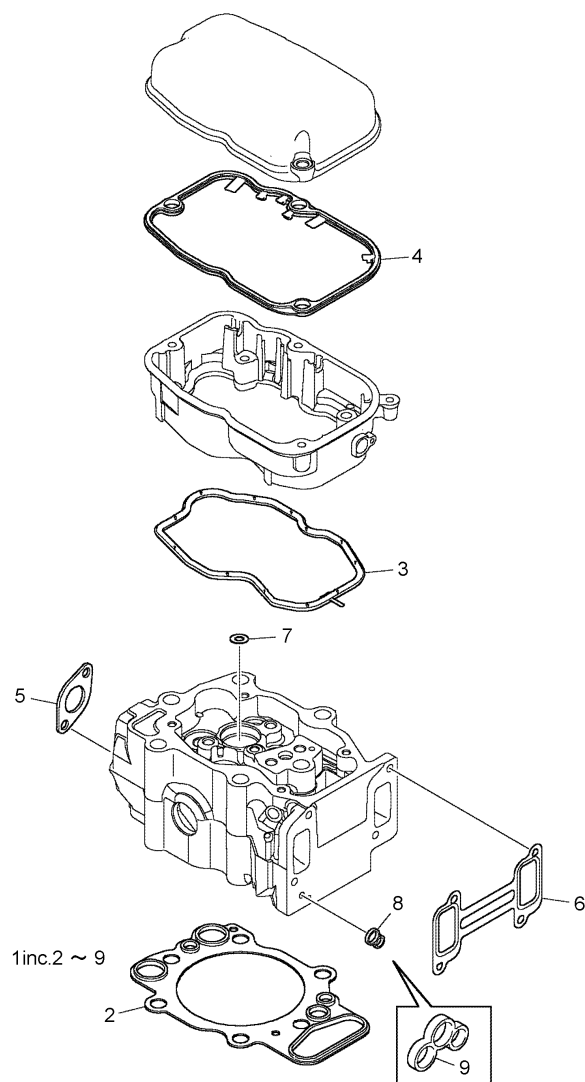
Fig.101. GASKET KIT, CYLINDER HEAD



1 inc. 2~ 9

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34900	GASKET SET	1	1	1					
1-1	1	165000-59040	GASKET KIT	1	1	1					N
		(A=E*****)	(B=E*****)	(C=E*****)							
1-2	1	165000-72820	GASKET SET	1	1	1					N
		(A=E*****)	(B=E*****)	(C=E*****)							
1-3	1	165001-27720	GASKET SET	1	1	1					S
		(A=E*****)	(B=E*****)	(C=E*****)							
2	2	165000-34800	GASKET,CYLINDER HEAD	1	1	1					
2-1	2	165000-25510	GASKET,CYLINDER HEAD	1	1	1					N
		(A=E*****)	(B=E*****)	(C=E*****)							
3	2	165000-49000	GASKET, ROCKER COVER	1	1	1					
3-1	2	165000-50560	GASKET	1	1	1					S
		(A=E*****)	(B=E*****)	(C=E*****)							
4	2	165000-25120	GASKET, ROCKER COVER	1	1	1					
4-1	2	165000-50570	GASKET	1	1	1					S
		(A=E*****)	(B=E*****)	(C=E*****)							
5	2	165000-25410	GASKET, EXHAUST	1	1	1					
6	2	165000-25380	GASKET, INTAKE	1	1	1					
7	2	165000-25200	GASKET	1	1	1					
8	2	165000-27800	SEAL	6	6	6					
8-1	2	165000-93520	WASHER,SEAL	4	4	4					N
		(A=E*****)	(B=E*****)	(C=E*****)							
9	2	165000-25170	GASKET	1	1	1					

Fig.102. GASKET KIT, CYLINDER HEAD



(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34900	GASKET SET	1	1	1					
1-1	1	165000-59040	GASKET KIT	1	1	1					N
		(A=E*****)	(B=E*****)	(C=E*****)							
1-2	1	165000-72820	GASKET SET	1	1	1					N
		(A=E*****)	(B=E*****)	(C=E*****)							
1-3	1	165001-27720	GASKET SET	1	1	1	1	1	1	1	S
		(A=E*****)	(B=E*****)	(C=E*****)							
2	2	165000-34800	GASKET	1	1	1					
2-1	2	165000-25510	GASKET	1	1	1	1	1	1	1	N
		(A=E*****)	(B=E*****)	(C=E*****)							
3	2	165000-49000	GASKET, ROCKER COVER	1	1	1					
3-1	2	165000-50560	GASKET	1	1	1	1	1	1	1	S
		(A=E*****)	(B=E*****)	(C=E*****)							
4	2	165000-25120	GASKET	1	1	1					
4-1	2	165000-50570	GASKET	1	1	1	1	1	1	1	S
		(A=E*****)	(B=E*****)	(C=E*****)							
5	2	165000-25410	GASKET	1	1	1	1	1	1	1	
6	2	165000-25380	GASKET	1	1	1	1	1	1	1	
7	2	165000-25200	GASKET	1	1	1	1	1	1	1	
8	2	165000-27800	SEAL	6	6	6					
8-1	2	165000-93520	WASHER,SEAL	4	4	4					N
		(A=E*****)	(B=E*****)	(C=E*****)							
8-2	2	165000-25170	GASKET		1	1	1	1	1	1	N
		(A=E*****)	(B=E*****)	(C=E*****)							
9	2	165000-25170	GASKET	1	1	1					
9-1	2	165001-31010	GASKET		1	1	1	1	1	1	N
		(A=E*****)	(B=E*****)	(C=E*****)							

Fig.103. REPAIR KIT,COOLANT PUMP

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36470	REPAIR KIT	1	1	1	1	1	1		
2	2	165000-34720	GASKET	1	1	1					
2-1	2	165000-58670	GASKET	1	1	1	1	1	1	N	
3	2	165000-31550	BEARING	1	1	1	1	1	1		
4	2	165000-36550	RING, SEALING	1	1	1					
4-1	2	165001-26400	RING, SEAL	1	1	1	1	1	1	N	

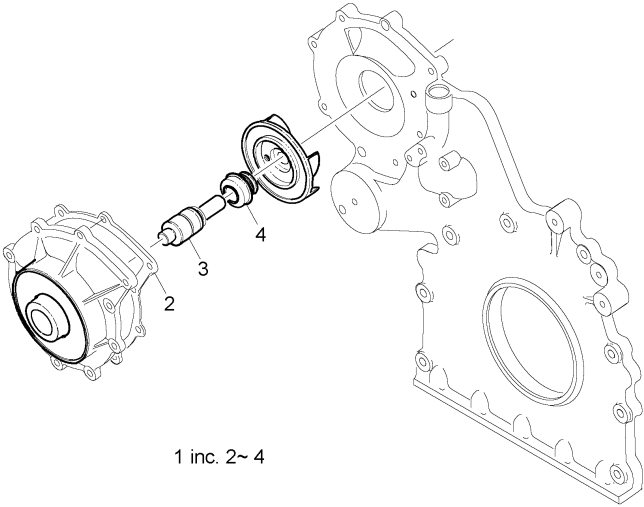
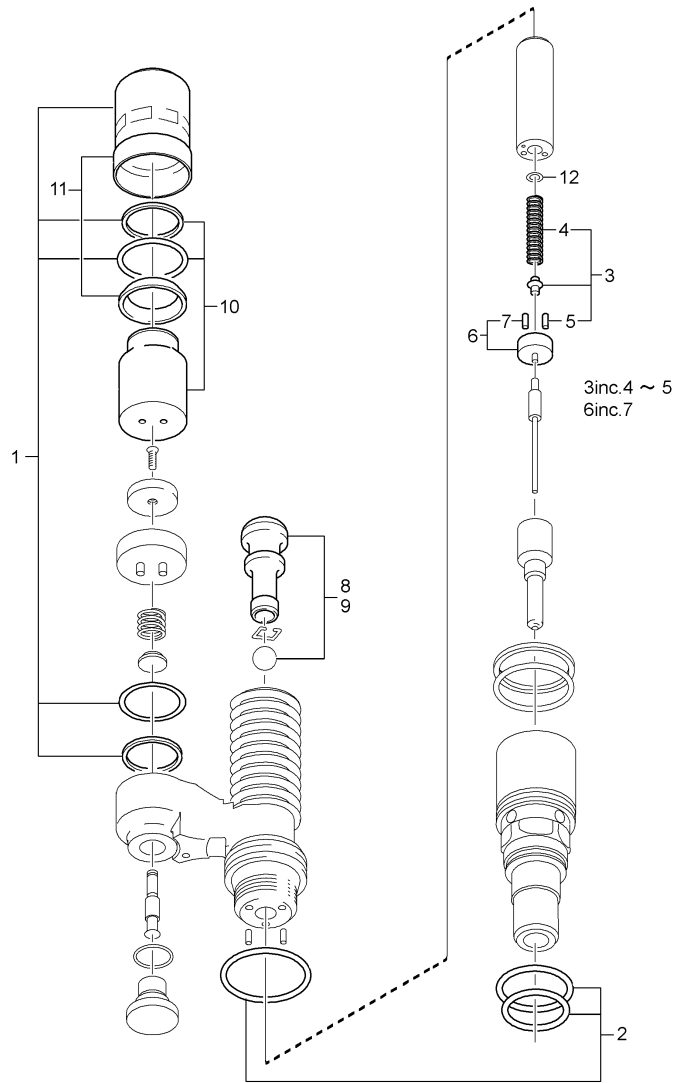


Fig.104. REPAIR KIT, UNIT INJECTOR

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

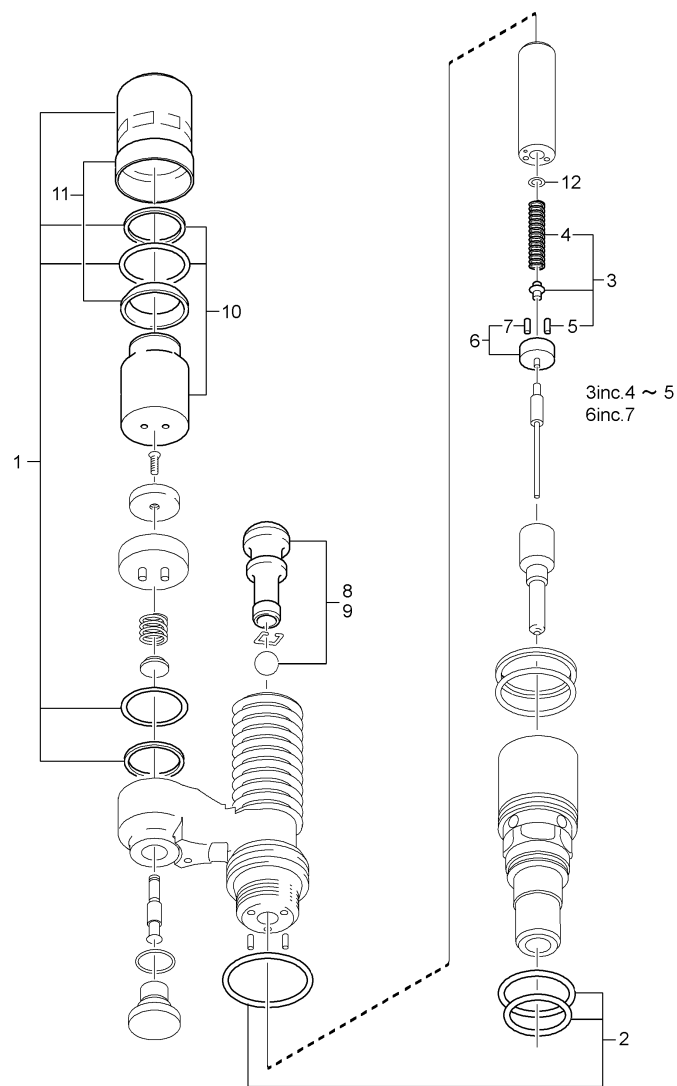
(D)=6SY650
(E)=6SY720
(F)=6SY750



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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-90240	REPAIR KIT	1	1	1	1	1	1		
2	1	165000-24490	O-RING KIT	1	1	1	1	1	1		
3	1	165000-90250	REPAIR KIT	1	1	1	1	1	1		
4	2	165000-90260	SPRING	1	1	1	1	1	1		
5	2	165000-90270	SPRING PIN	2	2	2	2	2	2		
6	1	165000-90280	REPAIR KIT	1	1	1	1	1	1		
7	2	165000-90270	SPRING PIN	2	2	2	2	2	2		
8	1	165000-30690	ROD ASSY, PUSH	1	1	1	1	1	1		
9	1	165000-90290	ROD,PUSH	1	1	1	1	1	1		
10	1	165000-90300	REPAIR KIT	1	1	1	1	1	1		
11	1	165000-90310	REPAIR KIT	1	1	1	1	1	1		
12A	1	165000-90320	SHIM=1.00MM	1	1	1	1	1	1		1
12AA	1	165000-90330	SHIM=1.02MM	1	1	1	1	1	1		1
12AB	1	165000-90340	SHIM=1.04MM	1	1	1	1	1	1		1
12AC	1	165000-90350	SHIM=1.06MM	1	1	1	1	1	1		1
12AD	1	165000-90360	SHIM=1.08MM	1	1	1	1	1	1		1
12AE	1	165000-90370	SHIM=1.10MM	1	1	1	1	1	1		1
12AF	1	165000-90380	SHIM=1.12MM	1	1	1	1	1	1		1
12AG	1	165000-90390	SHIM=1.14MM	1	1	1	1	1	1		1
12AH	1	165000-90400	SHIM=1.16MM	1	1	1	1	1	1		1
12AI	1	165000-90410	SHIM=1.18MM	1	1	1	1	1	1		1
12AJ	1	165000-90420	SHIM=1.20MM	1	1	1	1	1	1		1
12AK	1	165000-90430	SHIM=1.22MM	1	1	1	1	1	1		1
12AL	1	165000-90440	SHIM=1.24MM	1	1	1	1	1	1		1
12AM	1	165000-90450	SHIM=1.26MM	1	1	1	1	1	1		1
12AN	1	165000-90460	SHIM=1.28MM	1	1	1	1	1	1		1
12AO	1	165000-90470	SHIM=1.30MM	1	1	1	1	1	1		1
12AP	1	165000-90480	SHIM=1.32MM	1	1	1	1	1	1		1
12AQ	1	165000-90490	SHIM=1.34MM	1	1	1	1	1	1		1
12AR	1	165000-90500	SHIM=1.36MM	1	1	1	1	1	1		1
12AS	1	165000-90510	SHIM=1.38MM	1	1	1	1	1	1		1
12AT	1	165000-90520	SHIM=1.40MM	1	1	1	1	1	1		1
12AU	1	165000-90530	SHIM=1.42MM	1	1	1	1	1	1		1
12AV	1	165000-90540	SHIM=1.44MM	1	1	1	1	1	1		1
12AW	1	165000-90550	SHIM=1.46MM	1	1	1	1	1	1		1
12AX	1	165000-90560	SHIM=1.48MM	1	1	1	1	1	1		1
12B	1	165000-90570	SHIM=1.50MM	1	1	1	1	1	1		1
12C	1	165000-90580	SHIM=1.52MM	1	1	1	1	1	1		1
12D	1	165000-90590	SHIM=1.54MM	1	1	1	1	1	1		1
12E	1	165000-90600	SHIM=1.56MM	1	1	1	1	1	1		1
12F	1	165000-90610	SHIM=1.58MM	1	1	1	1	1	1		1
12G	1	165000-90620	SHIM=1.60MM	1	1	1	1	1	1		1
12H	1	165000-90630	SHIM=1.62MM	1	1	1	1	1	1		1
12I	1	165000-90640	SHIM=1.64MM	1	1	1	1	1	1		1
12J	1	165000-90650	SHIM=1.66MM	1	1	1	1	1	1		1
12K	1	165000-90660	SHIM=1.68MM	1	1	1	1	1	1		1
12L	1	165000-90670	SHIM=1.70MM	1	1	1	1	1	1		1
12M	1	165000-90680	SHIM=1.72MM	1	1	1	1	1	1		1
12N	1	165000-90690	SHIM=1.74MM	1	1	1	1	1	1		1
12O	1	165000-90700	SHIM=1.76MM	1	1	1	1	1	1		1
12P	1	165000-90710	SHIM=1.78MM	1	1	1	1	1	1		1

Fig.104. REPAIR KIT, UNIT INJECTOR



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[illegible]

Remarks
(1) REQUIRE

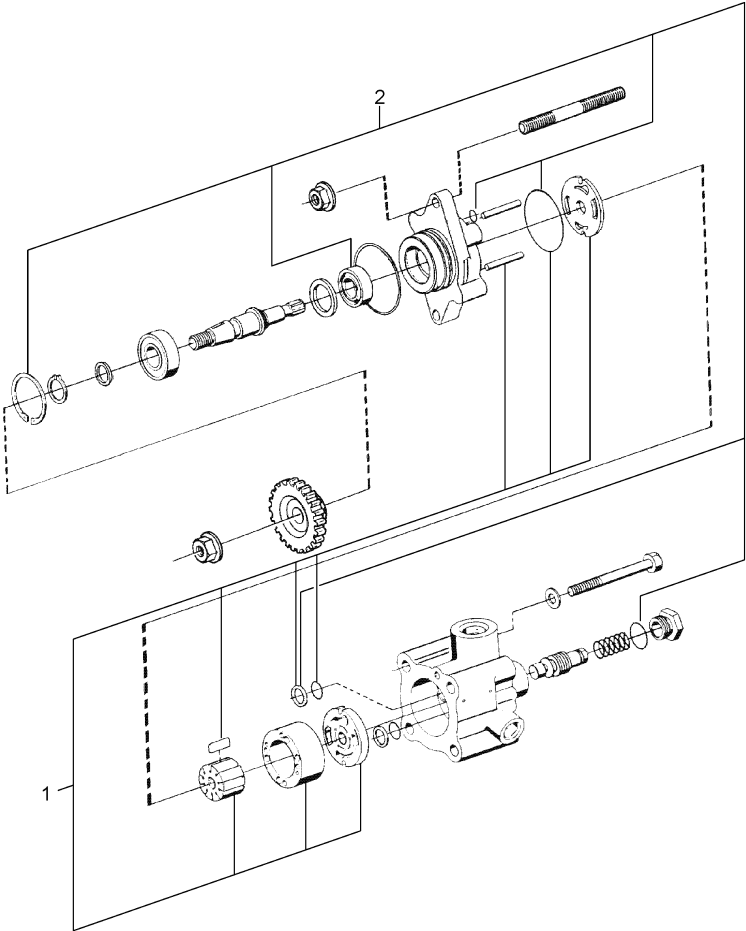
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.105. REPAIR KIT,HYDRAULIC PUMP

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

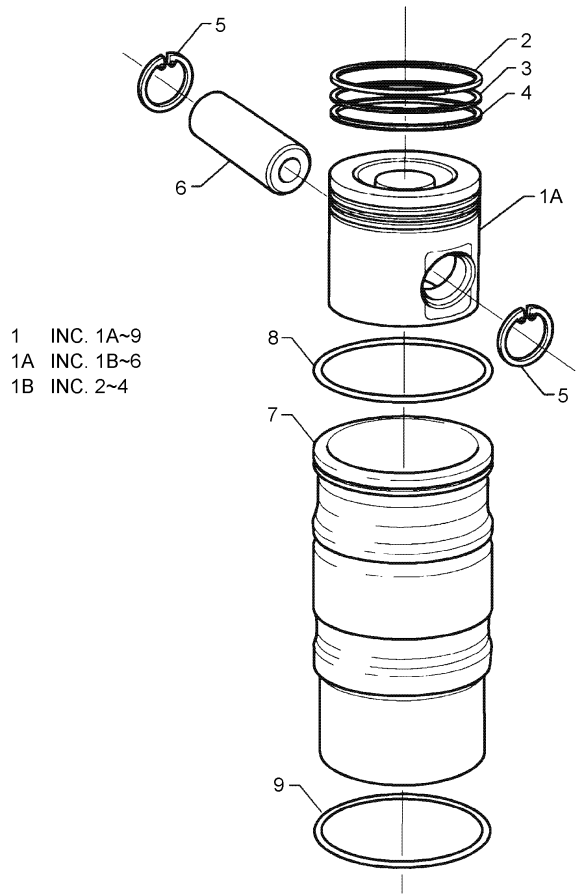
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-24870	INSERT	1	1	1					1
2	2	165000-27880	SEAL KIT	1	1	1					2



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Fig.106. REPAIR KIT, PISTON AND LINER

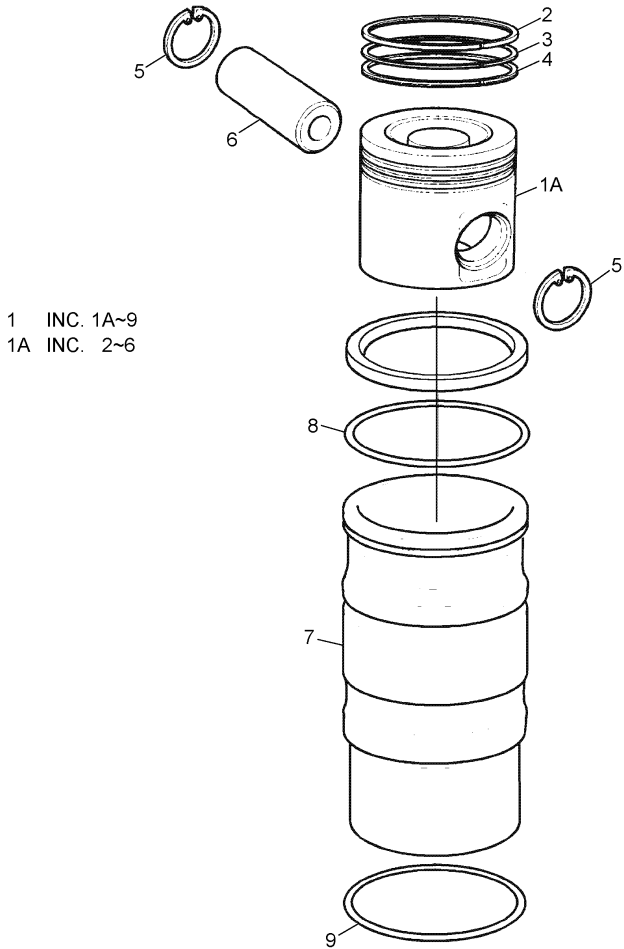


1 INC. 1A~9
1A INC. 1B~6
1B INC. 2~4

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-45870	REPAIR KIT	1							
1A	2	165000-49230	PISTON ASSY	1							
1B	3	165000-32680	RING SET, PISTON	1							
2	4	165001-30890	RING, COMPRESSION	1							
3	4	165000-32600	RING, COMPRESSION	1							
4	4	165001-26270	RING, OIL SCRAPER	1							
5	3	165000-32710	RING, RETAINING	2							
6	3	165000-30470	PIN, GUDGEON	1							
7	2	165001-39300	LINER, CYLINDER	1							
8	2	165001-31250	O-RING	1							
9	2	165000-24540	O-RING, 147.5X4	1							

Fig.107. REPAIR KIT, PISTON AND LINER(-6516122)

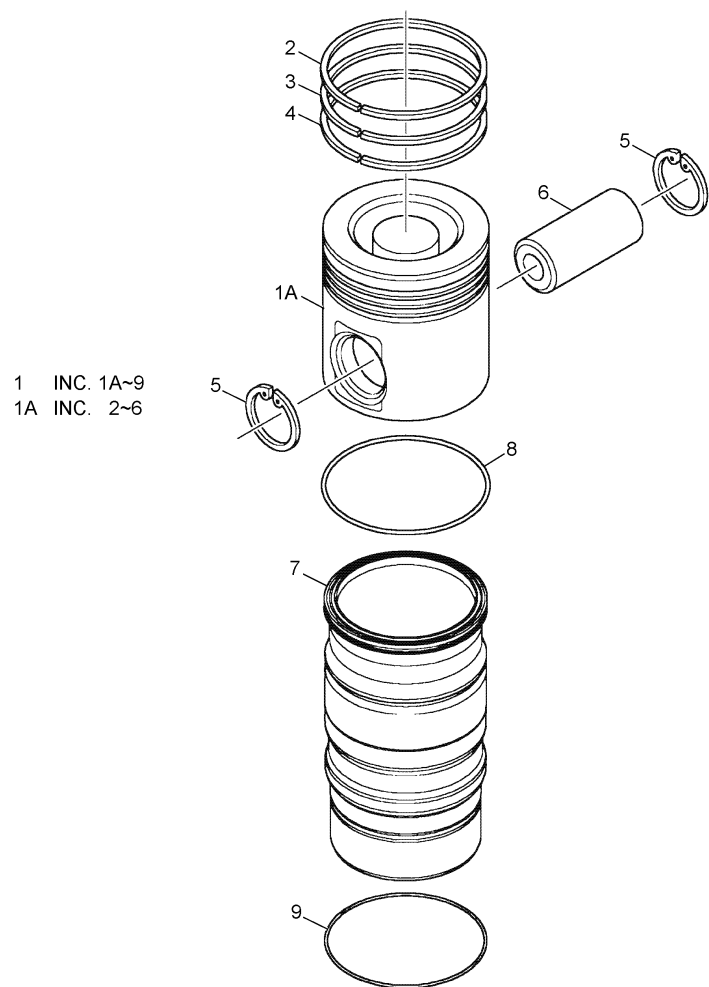


1 INC. 1A~9
1A INC. 2~6

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2
(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-45570	REPAIR KIT		1	1					
1A	2	165000-91070	PISTON ASSY		1	1					
2	3	165001-30890	RING, COMPRESSION		1	1					
3	3	165000-32600	RING, COMPRESSION		1	1					
4	3	165001-26270	RING, OIL SCRAPER		1	1					
5	3	165000-32710	RING, RETAINING		2	2					
6	3	165001-26720	PIN, GUDGEON		1	1					
7	2	165001-39300	LINER, CYLINDER		1	1					
8	2	165000-24540	O-RING, 147.5X4		1	1					
9	2	165001-31250	O-RING		1	1					

Fig.108. REPAIR KIT, PISTON AND LINER(E6516123-)

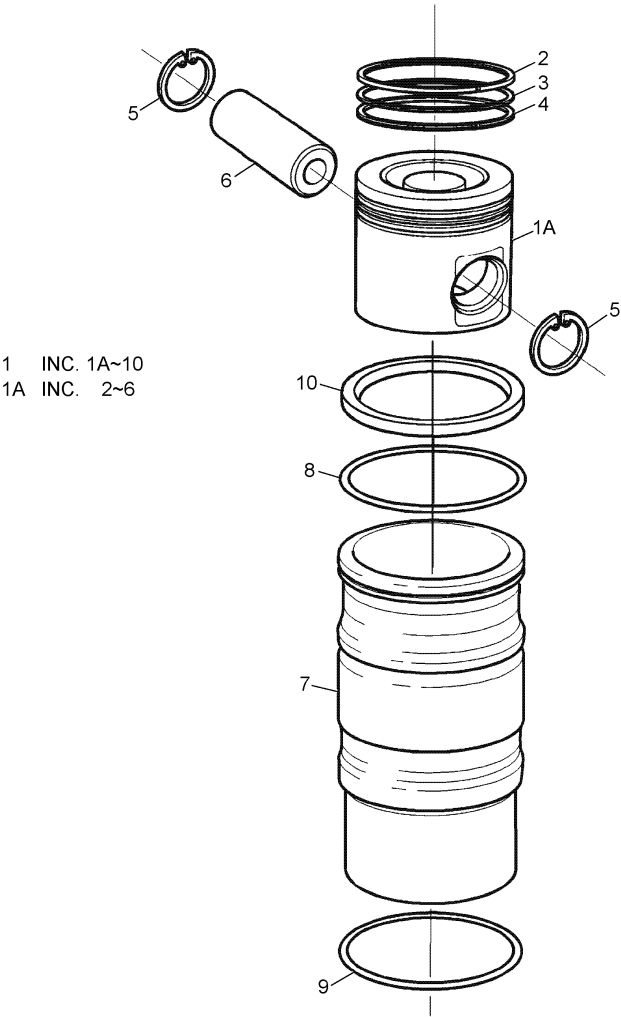


No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		(D)=6SY650 (E)=6SY720 (F)=6SY750			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	165001-26570	REPAIR KIT		1	1			
1A	2	165000-91070	PISTON ASSY		1	1			
2	3	165001-30890	RING, COMPRESSION		1	1			
3	3	165000-32600	RING, COMPRESSION		1	1			
4	3	165001-26270	RING, OIL SCRAPER		1	1			
5	3	165000-32710	RING, RETAINING		2	2			
6	3	165001-26720	PIN, GUDGEON		1	1			
7	2	165001-39250	LINER, CYLINDER		1	1			
8	2	165001-26530	O-RING		1	1			
9	2	165001-26540	O-RING		1	1			

Fig.109. REPAIR KIT, PISTON AND LINER(E6516123-)

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-36140	REPAIR KIT				1	1	1		
1A	2	165001-36110	PISTON ASSY				1	1	1		
2	3	165001-36120	RING, COMPRESSION				1	1	1		
3	3	165000-32600	RING, COMPRESSION				1	1	1		
4	3	165001-26270	RING, OIL SCRAPER				1	1	1		
5	3	165000-32710	RING, RETAINING				2	2	2		
6	3	165001-26720	PIN, GUDGEON				1	1	1		
7	2	165001-36080	LINER, CYLINDER				1	1	1		
8	2	165001-26530	O-RING				1	1	1		
9	2	165001-26540	O-RING				1	1	1		
10	2	165001-36100	RING				1	1	1		

Fig.110. REVERSOR, MOUNTING

(A)=6SY-STP
(B)=6SY655
(C)=6SY-STP2

(D)=6SY650
(E)=6SY720
(F)=6SY750

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165001-30710	PIPE ASSY, LO.1100	1	1	1	1	1	1		
2	1	165001-30720	PIPE ASSY, LO.700	1	1	1	1	1	1		
3	1	165001-41330	HOSE COUPLING	2	2	2	2	2	2		
4	1	165001-41640	HOSE COUPLING	1	1	1	1	1	1		
5	1	165001-41320	HOSE COUPLING	1	1	1	1	1	1		
6	1	165000-48860	CLAMP, 20	4	4	4	4	4	4		
7	1	165000-27240	SCREW, M6X16	2	2	2	2	2	2		
8	1	165000-29010	NUT, FLANGE M6	2	2	2	2	2	2		
9	1	165001-41650	SCREW, FLANGE	8	8	8	8	8	8		
10	1	165000-28030	STUD, M10X50	12	12	12	12	12	12		
11	1	165000-28870	NUT, FLANGE M10	12	12	12	12	12	12		

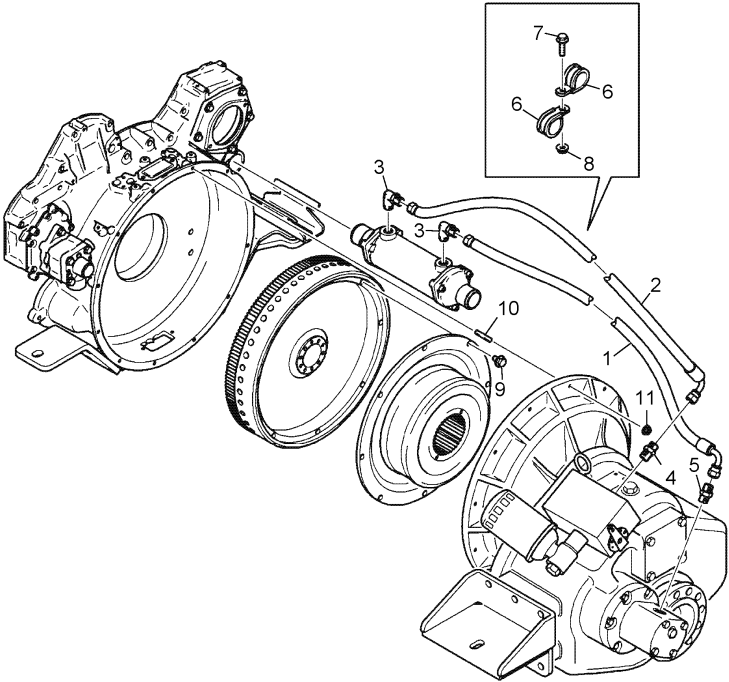
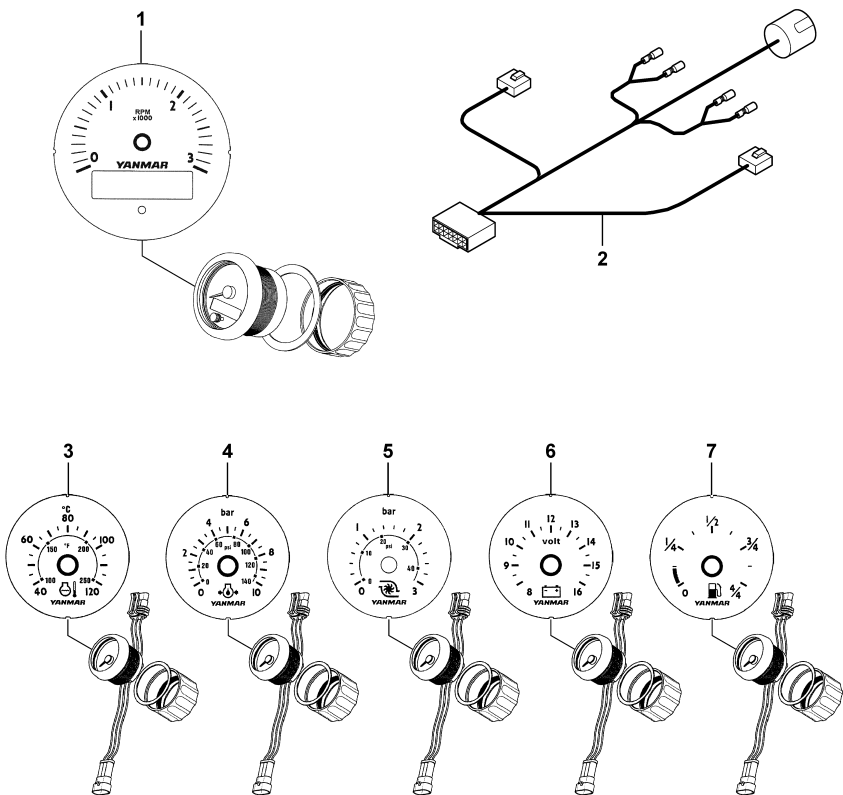


Fig.111. VDO GAUGE (OPTION)



No.	Lev.	Parts No.	Description	(A)=6SY-STP (B)=6SY655 (C)=6SY-STP2		(D)=6SY650 (E)=6SY720 (F)=6SY750				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	163010-91900	TACHOMETER,(V 3000	1	1	1	1	1	1		
2	1	120650-91960	HARNES,V TACHO	1	1	1	1	1	1		
3	1	120650-91910	GAUGE,(V WATER TEMP	1	1	1	1	1	1		
4	1	120650-91920	GAUGE,(V OIL PRESS	1	1	1	1	1	1		
5	1	120650-91930	GAUGE,(V BOOST	1	1	1	1	1	1		
6	1	120650-91940	GAUGE,(V VOLT 12	1	1	1	1	1	1		
7	1	120650-91950	GAUGE,(V FUEL	1	1	1	1	1	1		

Parts No. Index

Parts No.	Fig. No.	Ref. No.
120650-91910	111	3
120650-91920	111	4
120650-91930	111	5
120650-91940	111	6
120650-91950	111	7
120650-91960	111	2
163010-91900	111	1
165000-24380	20	21
	21	21
165000-24400	20	18
	21	18
165000-24440	89	17
165000-24450	8	18
165000-24490	73	4
	104	2
165000-24500	89	16
165000-24510	4	11
165000-24520	4	31
	5	31
	23	8
	29	8
165000-24530	8	6
165000-24540	4	12
	58	7
	106	9
	107	8
165000-24560	65	2
165000-24570	17	6
165000-24590	60	8
165000-24630	74	2
165000-24640	83	26
	84	26
	85	2
165000-24670	33	22
	35	26
165000-24700	22	10
	50	16
	51	16
165000-24820	71	15
165000-24860	11	2
165000-24870	105	1
165000-24880	73	1
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165000-34560	58	6
165000-34570	20	34
165000-34580	15	11
165000-34590	20	27
165000-34600	9	10
165000-34610	88	24
165000-34620	11	3
165000-34630	57	16 A
165000-34640	11	10
	20	28
	22	2
165000-34650	30	2
	31	2
	29	15
165000-34660	50	3
	51	3
	71	8
165000-34670	72	7
	17	3
	50	7
165000-34680	51	7
	50	9
	4	25
165000-34690	5	25
	59	2
	103	2
165000-34720	4	22
	5	22
	56	2
165000-34740	58	5
	29	3
	9	16
165000-34770	47	5
	4	19
	5	19
165000-34780	7	3
	101	2
	102	2
165000-34810	15	6
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165000-34820	41	23
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165000-34860	34	6
	35	7
	65	4
165000-34870	33	11
	34	10
	35	11
165000-34880	101	1
	102	1
	20	43
165000-34890	21	25
	78	40
	79	40
165000-34900	80	40
	81	40
	82	40
165000-34910	14	21
	58	2
	4	4
165000-34950	5	4
	1	5
	96	2
165000-34960	97	2
	98	2
	99	2
165000-34970	15	1
	16	1
	70	1
165000-34990	64	6
	71	18
	72	17
165000-35000	71	4
	9	9
	72	3
165000-35030	33	19
	34	18
	35	32
165000-35070	58	21
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	57	3
	1	6
165000-35250	1	35
	1	7
	1	36
165000-35260	81	47
	82	47
	57	2
165000-35270	78	1
	81	1
	33	1
165000-35290	33	6
	29	24
	29	22
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165000-35310	4	16
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	21	15
165000-35320	88	14
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	58	3
165000-35330	8	9
	43	12 -1
	44	15 -1
165000-35350	31	4
	20	33 A
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165000-35350	10	28
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165000-35350	5	33
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	50	6
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	10	36
	60	2
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165000-35680	50	24
	51	24
	60	7
165000-35700	23	1
	50	23
	25	1
165000-35710	24	8
	25	8
	64	1
165000-35720	65	3
	61	8
	62	3
165000-35730	3	-1
	65	11
	65	12
165000-35740	9	13
	10	40
	9	8
165000-35750	33	12
	33	21
	22	1
165000-35760	60	3
	4	24
	5	24
165000-35770	78	20
	79	20
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165000-35800	78	16
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165000-35810	81	16
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165000-35840	81	23
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165000-35850	81	23
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165000-35860	81	23
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165000-35870	81	23
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165000-35880	81	23
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165000-35890	81	23
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165000-35900	81	23
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165000-35910	81	23
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165000-35920	81	23
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165000-36050	15	16
165000-36060	20	33
165000-36070	24	1
165000-36080	17	5
165000-36110	50	17
	51	17
165000-36120	11	7
165000-36140	45	4 A
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165000-36160	43	13
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165000-36240	20	2
		44
	21	2
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165000-36460	88	3
165000-36470	103	1
165000-36510	88	22
165000-36520	57	12
165000-36530	14	7
165000-36540	13	15
165000-36550	59	5
	103	4
165000-36560	88	19
165000-36570	88	23
165000-36590	57	10
165000-36600	57	11
165000-36610	14	6
165000-36640	13	2
165000-36660	14	12
165000-36670	52	1
	53	2
	55	1
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165000-36710	57	16
165000-36720	50	18
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165000-36740	65	17
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165000-36760	10	13
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165000-36800	4	5
165000-36810	88	25
165000-36820	50	15
	51	15
165000-36830	58	18
	66	13
		13 -1
	67	13
	69	11
165000-36840	88	17
165000-36860	38	4
165000-36880	61	4
	78	15
	81	15
165000-36890	23	2
165000-36900	78	3
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165000-36910	15	12
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165000-36920	44	4
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165000-37060	57	17
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		37
	21	4
165000-37300	88	6
165000-37310	20	16
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165000-37320	2	11
165000-37330	29	18
165000-37340	30	3
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165000-37370	11	1
165000-37390	4	43
165000-37400	14	5
165000-37410	14	4
165000-37420	14	3
165000-37480	58	20
165000-37490	61	1
165000-37500	58	10
165000-37510	71	17
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165000-37520	65	19
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165000-37540	71	1
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	24	18
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165000-37680	78	18
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165000-37690	22	5
165000-37700	61	9
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165000-37710	78	17
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	81	17
	82	17
165000-37720	23	4
165000-37730	78	21
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165000-37740	10	15
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	16	4
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165000-37750	5	27
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	44	2
	45	3
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165000-38000	88	16
165000-38010	30	5
	31	5
165000-38020	57	6
165000-38030	88	9
165000-48780	1	32
165000-48790	38	1
165000-48800	33	29
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165000-48970	26	9
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165000-48980	65	13
165000-48990	85	4
165000-49000	2	2
	101	3
	102	3
165000-49010	83	27
	84	27
	85	5
165000-49020	13	19
165000-49030	1	1
165000-49040	37	2
165000-49050	78	43
	79	13
	80	13
	81	50
	82	13
165000-49080	42	8
165000-49090	29	1
165000-49100	79	1
	80	1
	82	1
165000-49110	33	27
	34	21
165000-49120	9	13 A
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165000-49170	33	26
165000-49180	79	14
	80	14
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165000-49190	27	1
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165000-49290	46	5
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165000-49310	42	3
165000-49320	42	4
165000-49330	2	13
	3	11
	42	5
165000-49340	42	7
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165000-49380	14	11
165000-49390	88	1 B
165000-49400	88	3 A
165000-49410	1	33
165000-49420	14	10
165000-49430	79	3
	80	3
	82	3
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165000-49510	1	23
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165000-49560	88	1 A
165000-49570	6	1
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165000-49670	52	7
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165000-50200	99	3
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165000-50560	3	3
	101	3 -1
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165000-51050	3	7
165000-51060	3	8
165000-51220	96	2 C
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	99	2 C
165000-51230	69	5
165000-51660	28	7
165000-51670	28	8
165000-51680	28	9
165000-51690	28	11
165000-53110	1	13 -1
165000-53120	1	16 -1
165000-53130	1	17 -1
165000-53150	4	35 -1
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165000-53200	100	1 C
165000-53210	100	6 A
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165000-58590	9	7
	10	8
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165000-58720	94	6
165000-58920	76	5
165000-58950	78	23 -1
	80	23
165000-58960	78	28 -1
	80	28
165000-58990	14	5 -1
165000-59030	14	3 -1
165000-59040	101	1 -1
	102	1 -1
165000-59320	13	7 C-1
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165000-59440	13	8 A
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165000-65060	8	1 -1
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165000-72760	1	1 A
165000-72770	1	20 -1
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165000-72820	101	1 -2
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165000-72830	88	14 -1
165000-72840	91	1
165000-72850	91	2
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		1 -1
165000-73020	66	2
		2 -1
	69	8
165000-73030	66	3
		3 -1
	67	3
165000-73040	66	4
		4 -1
165000-73050	66	6
		6 -1
	67	6
	68	2
	69	9
165000-73060	66	7
		7 -1
	67	7
	68	1
165000-73700	1	1 -1
165000-73710	4	13 -1
	5	13
165000-73720	13	2 -1
165000-73730	23	3 -1
165000-73740	28	21
165000-73750	39	2 -1
	40	2
165000-73760	47	1
	48	1
165000-73770	47	2
165000-73780	47	3
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	85	1 B-1
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165000-90030	10	9
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165000-90150	10	38
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165000-90170	34	27
	35	34
165000-90180	36	11 -1
165000-90190	57	1 A-1
165000-90200	57	7 -1
165000-90210	73	6 -1
165000-90220	73	7 -1
165000-90230	79	3 -1
	80	3 -1
	82	3 -1
165000-90240	104	1
165000-90250	104	3
165000-90260	104	4
165000-90270	104	5
		7
165000-90280	104	6
165000-90290	104	9
165000-90300	104	10
165000-90310	104	11
165000-90320	104	12 A
165000-90330	104	12 AA
165000-90340	104	12 AB
165000-90350	104	12 AC
165000-90360	104	12 AD
165000-90370	104	12 AE
165000-90380	104	12 AF
165000-90390	104	12 AG
165000-90400	104	12 AH
165000-90410	104	12 AI
165000-90420	104	12 AJ
165000-90430	104	12 AK
165000-90440	104	12 AL
165000-90450	104	12 AM
165000-90460	104	12 AN
165000-90470	104	12 AO
165000-90480	104	12 AP
165000-90490	104	12 AQ
165000-90500	104	12 AR
165000-90510	104	12 AS
165000-90520	104	12 AT
165000-90530	104	12 AU
165000-90540	104	12 AV

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165000-90560	104	12 AX
165000-90570	104	12 B
165000-90580	104	12 C
165000-90590	104	12 D
165000-90600	104	12 E
165000-90610	104	12 F
165000-90620	104	12 G
165000-90630	104	12 H
165000-90640	104	12 I
165000-90650	104	12 J
165000-90660	104	12 K
165000-90670	104	12 L
165000-90680	104	12 M
165000-90690	104	12 N
165000-90700	104	12 O
165000-90710	104	12 P
165000-90720	104	12 Q
165000-90730	104	12 R
165000-90740	104	12 S
165000-90750	104	12 T
165000-90760	104	12 U
165000-90770	104	12 V
165000-90780	104	12 W
165000-90790	104	12 X
165000-90800	104	12 Y
165000-90810	104	12 Z
165000-90820	97	3
	98	3
	99	5
165000-90830	100	1 -1
165000-91060	2	10 -1
165000-91070	12	1 A-1
	107	1 A
	108	1 A
165000-91080	12	7 -1
165000-91100	32	3
165000-91110	32	4
165000-91120	32	5
165000-91130	32	6
165000-91140	32	7
		10
165000-91150	32	11
165000-91160	32	12
165000-91170	32	13
165000-91180	42	10 -1
		12
165000-91190	59	7 -1
165000-91200	98	4
	99	4

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165000-93440	4	13 A-1
		13 B-2
	5	13 B
165000-93450	4	13 B-1
		13 C-1
	5	13 C
165000-93460	10	21
165000-93470	10	22 -1
165000-93480	10	25 -1
165000-93490	13	7 B-1
165000-93500	35	15 -1
165000-93510	35	39
165000-93520	78	4 -1
	79	4 -1
	80	4 -1
	81	4 -1
	82	4 -1
	101	8 -1
	102	8 -1
165000-93530	58	9 -1
	66	9
		9 -1
	67	9
	69	15 -1
165000-93540	61	7 -1
	62	5 -1
	63	4
	78	6 -1
	79	6 -1
	80	6 -1
	81	6 -1
	82	6 -1
165000-93550	78	11 -1
		25 -1
	79	11 -1
		25 -1
	80	11 -1
	81	11 -1
	82	11 -1
		25 -1
165000-93560	85	11
165000-93570	23	5 -1
165001-04890	1	12 -1
165001-04900	4	5 -1
	5	5
165001-04910	13	2 -2
165001-04920	13	7 A-1
165001-04930	13	7 C-2
165001-04940	13	7 D-2

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165001-04950	14	22 -1
165001-04960	20	27 -1
		34 -1
165001-04970	20	34 -2
165001-21330	93	5
165001-21370	30	4 -1
165001-24300	99	3 A
165001-26200	1	1 A-1
165001-26210	1	7 -1
165001-26220	1	36 -1
165001-26230	1	15 -1
165001-26240	1	20 -2
165001-26250	4	13 A-2
	5	13 A
165001-26260	4	13 D-1
	5	13 D
165001-26270	12	5 -1
	106	4
	107	4
	108	4
	109	4
165001-26280	15	11 -1
165001-26290	20	4 -1
	21	4 -1
165001-26310	23	3 -2
165001-26320	19	5
165001-26330	30	6 A
165001-26370	47	2 -1
	48	2
165001-26380	47	3 -1
	48	3
165001-26390	52	5
	54	2
165001-26400	59	5 -1
	103	4 -1
165001-26420	63	3
165001-26430	93	1
165001-26440	93	2
165001-26450	93	3
165001-26460	93	4
165001-26470	93	6
165001-26480	96	1
	97	1
	98	1
	99	1
165001-26490	8	1 -2
165001-26500	11	1 -1
165001-26530	4	11 -2
	5	11
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	108	9
	109	9
165001-26550	4	16 A
	5	16
165001-26560	4	17 -1
	5	17
165001-26570	108	1
165001-26580	40	4
	41	3
165001-26590	50	1 -1
	51	1
165001-26600	51	23
165001-26610	51	27
165001-26620	90	2 -1
165001-26720	12	7 -2
	107	6
	108	6
	109	6
165001-27070	67	4
165001-27150	10	37 -1
	71	23 -1
	72	22
	94	7
165001-27220	69	1
165001-27550	8	11 -1
165001-27720	101	1 -3
	102	1 -3
165001-28410	24	8 -1
165001-30710	110	1
165001-30720	110	2
165001-30740	1	1 -2
165001-30750	1	6 -1
165001-30760	1	35 -1
165001-30770	1	8 -1
165001-30780	1	20 -3
165001-30790	1	21 -1
165001-30800	1	33 -1
165001-30810	11	5 -1
165001-30820	8	1 -3
165001-30830	8	3 -1
165001-30840	8	22 -1
165001-30850	4	1 -3
	5	1
165001-30860	4	10 -1
	5	10
165001-30870	4	18 A-1
	5	18 A-1
165001-30880	4	39 -1

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	44	12
165001-30890	12	3 A-1
	106	2
	107	2
	108	2
165001-30900	14	22 -2
165001-30910	20	1 -1
	21	1 -1
165001-30920	20	14 -1
	21	14 -1
165001-30930	20	18 -1
	21	18 -1
165001-30940	18	14 -1
	19	14 -1
165001-30950	30	6 B
165001-30960	35	15 -2
165001-30970	43	1 A-1
	44	1
165001-30980	44	5
165001-30990	44	6
165001-31000	44	11
165001-31010	102	9 -1
165001-31020	52	5 -1
	53	5 -1
	54	2 -1
	55	5 -1
165001-31030	53	7 -1
165001-31040	65	21
165001-31050	73	1 -1
165001-31060	74	3 -1
165001-31070	75	2 -1
165001-31080	78	8 -1
	79	8 -1
	80	8 -1
	81	8 -1
	82	8 -1
165001-31090	85	7 -1
165001-31110	96	1 -1
	97	1 -1
	98	1 -1
	99	1 -1
165001-31120	96	1 A
	97	1 A
	98	1 A
	99	1 A
165001-31130	96	1 B
	97	1 B
	98	1 B
	99	1 B

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165001-31150	96	1 D
	97	1 D
	98	1 D
	99	1 D
165001-31160	96	1 E
	97	1 E
	98	1 E
	99	1 E
165001-31170	97	3 -1
	98	3 -1
	99	5 -1
165001-31250	4	11 -1
	106	8
	107	9
165001-31510	96	1 C
	97	1 C
	98	1 C
	99	1 C
165001-35060	55	7 -1
165001-36050	1	1 B
165001-36060	1	4 A
165001-36070	1	34 A
165001-36080	4	9 -3
	5	9 A
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165001-36090	4	16 B
	5	16 A
165001-36100	4	48
	5	48
	109	10
165001-36110	12	1 B
	109	1 A
165001-36120	12	3 B
	109	2
165001-36130	29	1 -1
165001-36140	109	1
165001-36150	54	1
165001-36160	54	4
165001-36170	54	6
165001-36180	57	1 B
165001-36190	57	4 B
165001-36210	19	5 -1
165001-36330	47	1 -1
	48	1 -1
165001-39250	4	9 -2
	5	9
	108	7
165001-39260	19	18 -1
165001-39270	50	27
	51	28

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165001-39280	94	7 B
165001-39290	95	3 A
165001-39300	4	9 -1
	106	7
	107	7
165001-41320	110	5
165001-41330	110	3
165001-41380	69	4
165001-41400	69	3
165001-41420	69	10
165001-41430	69	6
165001-41440	70	1 -1
165001-41630	14	10 -1
165001-41640	110	4
165001-41650	110	9
165001-41660	89	1 -1
165001-44250	11	1 -2
165001-44260	5	1 -1
165001-44270	5	4 -1
165001-44280	5	5 -1
165001-44290	5	46
165001-44300	5	47
	42	13
165001-44330	20	1 -2
	21	1 -2
165001-44340	21	23 -1
165001-44350	33	3 -1
	34	3
	35	3 -1
165001-44360	33	4 -1
	34	4
	35	4 -1
165001-44370	50	9 -1
	51	9
165001-44390	54	6 -1
165001-45480	44	1 A
165001-45560	99	6 A
		6 B
165001-45570	107	1
165001-45820	34	28
	35	40
165001-45830	71	28
	72	27
165001-45840	72	11 A
165001-45850	72	11 B
165001-45860	72	12
165001-45870	106	1
165001-45880	34	28 -1
	35	40 -1
165001-45890	52	7 -1

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Parts No.	Fig. No.	Ref. No.
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