

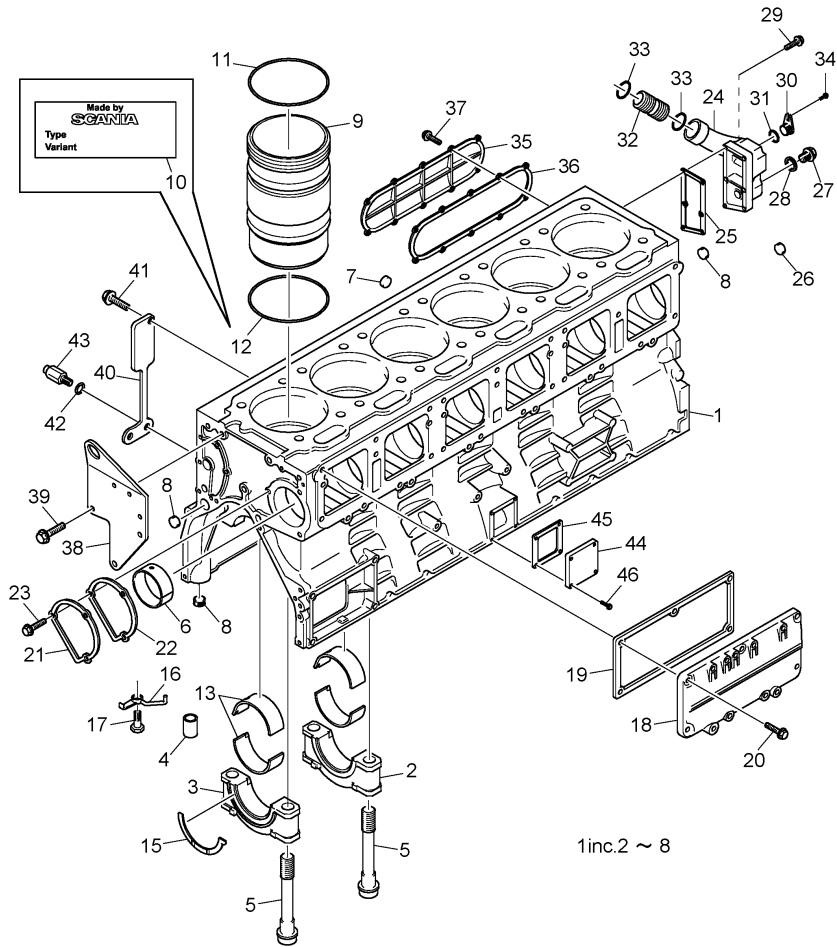


Spare parts catalog- Yanmar engines

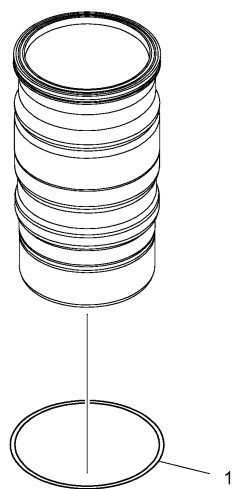
(A) = 6SY-STP

Fig.1.CYLINDER BLOCK

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

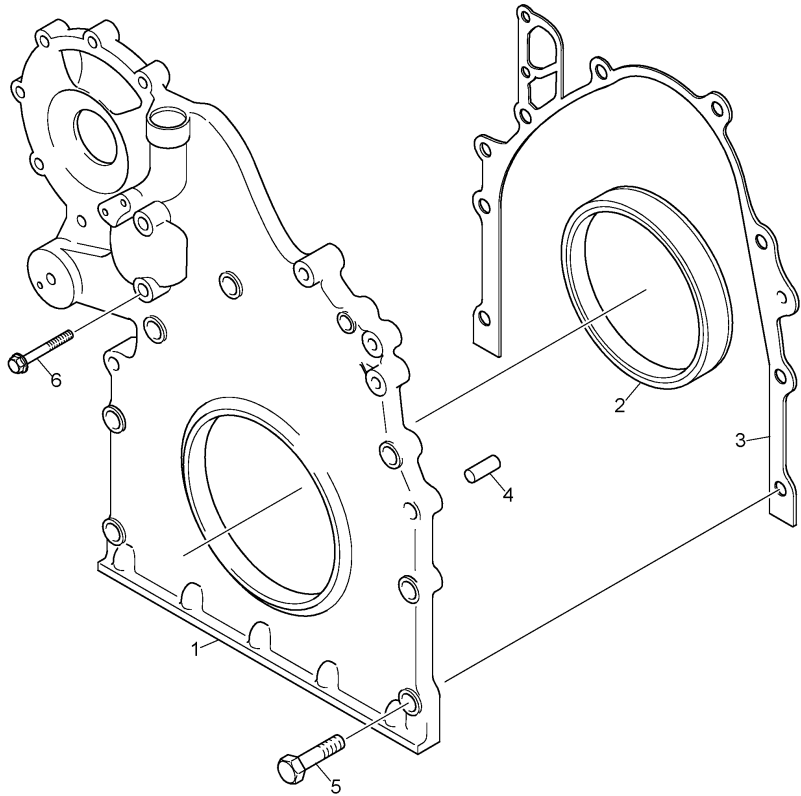


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33600	BLOCK ASSY, CYLINDER	1							
2	2		BEARING CAP	6							
3	2		BEARING CAP	1							
4	2	165000-34990	GUIDE	14							
5	2	165000-36800	SCREW	14							
6	2	165000-33800	BUSH, BEARING	7							
7	2	165000-30890	PLUG, CORE 36MM	2							
8	2	165000-30860	PLUG, CORE 21MM	6							
9	1	165000-32530	LINER, CYLINDER	6							
10	1	165000-36100	PLATE	1							
11	1	165000-24510	O-RING	6							
12	1	165000-24540	O-RING, 147.5X4	6							
13	1	165000-49520	SHELL, BEARING STD	7							
13A	1	165000-33490	SHELL, BEARING US.25	7							
13B	1	165000-33500	SHELL, BEARING US.50	7							
13C	1	165000-33510	SHELL, BEARING US.75	7							
13D	1	165000-33520	SHELL, BEARING US1.0	7							
15	1	165000-28200	BEARING, THRUST STD	4							
15A	1	165000-33540	OSZ +0.16	4							
15B	1	165000-33550	OSZ +0.26	4							
15C	1	165000-33560	OSZ +0.52	4							
15D	1	165000-33570	OSZ +1.02	4							
16	1	165000-35520	NOZZLE, PISTON	6							
17	1	165000-26860	SCREW, M10X1	6							
18	1	165000-34300	COVER, SIDE OUTER	2							
18	1	165000-34310	COVER, SIDE CENTRAL	1							
19	1	165000-34780	GASKET	3							
20	1	165000-36990	SCREW, FLANGE	21							
21	1	165000-34200	COVER	1							
22	1	165000-34730	GASKET	1							
23	1	165000-27300	SCREW, M8X20	3							
24	1	165000-35950	PIPE, FLANGE	1							
25	1	165000-34710	GASKET	1							
26	1	165000-36210	PLUG, CORE	1							
27	1	165000-30940	PLUG, M22X1.5X9	1							
28	1	165000-27920	RING, SEAL	1							
29	1	165000-27300	SCREW, M8X20	6							
30	1	165000-30780	PLUG	1							
31	1	165000-24520	O-RING, 11.3X2.4	1							
32	1	165000-35710	PIPE	1							
33	1	165000-35610	O-RING	2							
34	1	165000-27230	SCREW, M6X16	1							
35	1	165000-25830	COVER	1							
36	1	165000-25460	GASKET	1							
37	1	165000-27400	SCREW, M8X40	10							
38	1	165000-34430	EYE, LIFTING	1							
39	1	165000-37010	SCREW, HEXAGON	3							
40	1	165000-34550	FLANGE	1							
41	1	165000-27290	SCREW, M8X16	2							
42	1	165000-35600	O-RING	1							
43	1	165000-37390	TAP, DRAIN	1							
44	1	165000-34230	COVER	1							
45	1	165000-25320	GASKET	1							
46	1	165000-27300	SCREW, M8X20	4							



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-49570	SHIM, TH 0.2	999						1
1A	1	165000-49580	SHIM, TH 0.3	999						1
1B	1	165000-49590	SHIM, TH 0.4	999						1

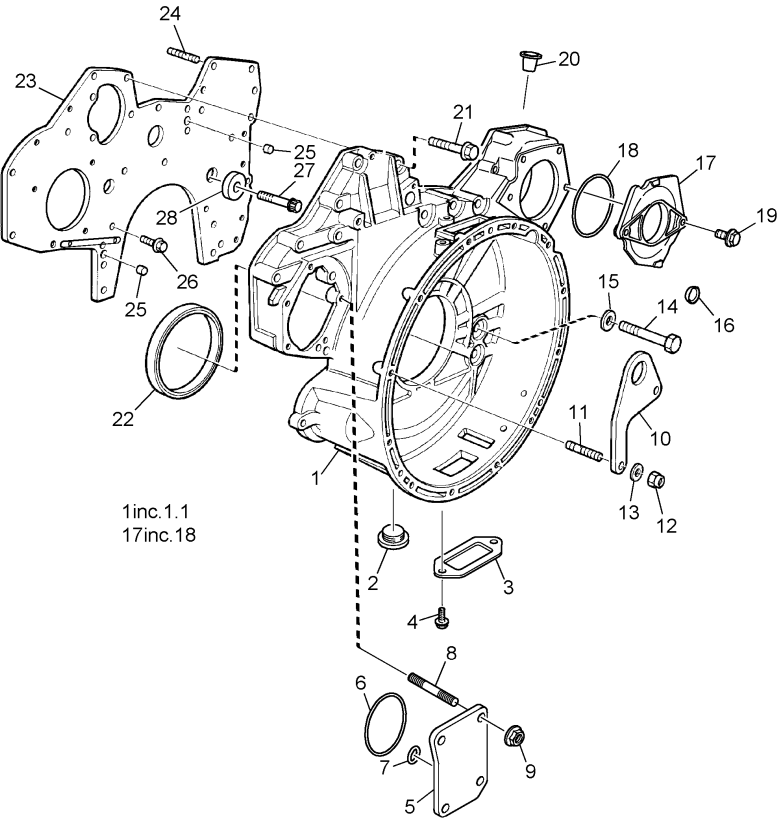
Fig.3.CASING



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33900	CASE	1							
2	1	165000-27900	SEAL, SHAFT	1							
3	1	165000-34790	GASKET	1							
4	1	165000-30510	PIN, 16X35	2							
5	1	165000-26990	SCREW, M10X40	8							
6	1	165000-27430	SCREW, M8X60	2							

Fig.4.FLYWHEEL HOUSING



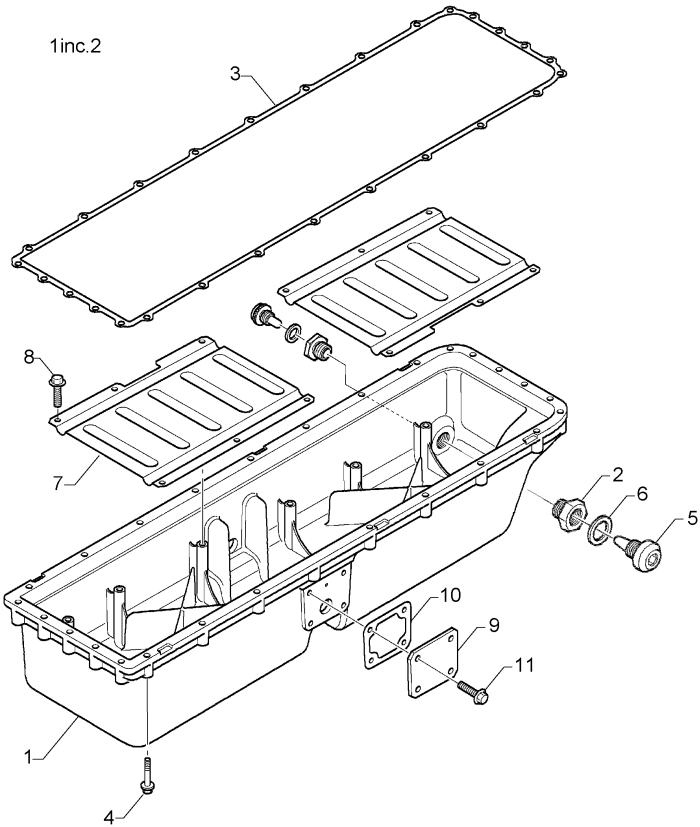
1inc.1.1
17inc.18

Y00R5770 4.FLYWHEEL HOUSING

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35230	HOUSING, FLYWHEEL	1							
1.1	2	165000-36200	PLUG	1							
2	1	165000-25740	COVER	2							
3	1	165000-25690	COVER	2							
4	1	165000-27300	SCREW, M8X20	4							
5	1	165000-34220	COVER	1							
6	1	165000-24530	O-RING, 114.5X3	1							
7	1	165000-27960	RING, SEAL	1							
8	1	165000-37350	STUD	4							
9	1	165000-35570	NUT, LOCK	4							
10	1	165000-34420	EYE, LIFTING	2							
11	1	165000-28030	STUD, M10X50	12							
12	1	165000-28910	NUT, HEXAGON M10	12							
13	1	165000-37900	WASHER	12							
14	1	165000-27050	SCREW, M12X100	9							
15	1	165000-33100	WASHER, 13X28	9							
16	1	165000-30850	PLUG, CORE 21MM	1							
17	1	165000-32550	LID, FLYWHEEL	1							
18	2	165000-24450	O-RING	1							
19	1	165000-26930	SCREW, M10X25	2							
20	1	165000-33860	CAP, PROTECTIVE	2							
21	1	165000-26930	SCREW, M10X25	6							
22	1	165000-27890	SEAL, SHAFT	1							
23	1	165000-36180	PLATE, TIMING GEAR	1							
24	1	165000-37350	STUD	10							
25	1	165000-30510	PIN, 16X35	2							
26	1	165000-26940	SCREW, M10X30	6							
27	1	165000-36980	SCREW, FLANGE	1							
28	1	165000-37980	WASHER	1							

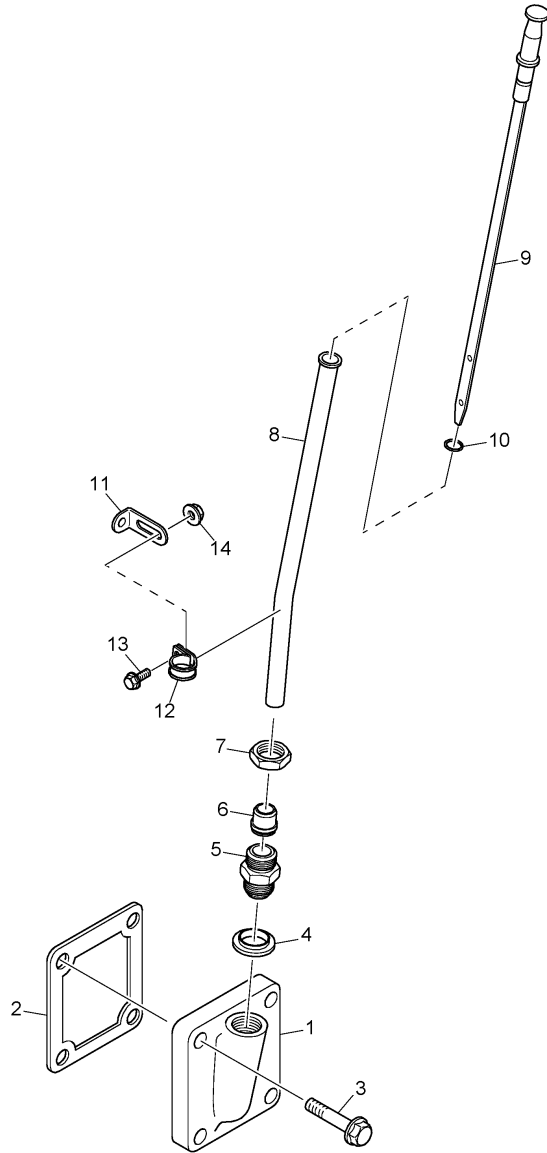
Fig.5.OIL SUMP



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37370	SUMP, OIL	1							
2	2	165000-24860	INSEAT, THREAD	2							
3	1	165000-34620	GASKET	1							
4	1	165000-27440	SCREW, M8X60	27							
4	1	165000-37860	WASHER	27							
5	1	165000-30960	PLUG, MAGNATIC	2							
6	1	165000-33000	WASHER	2							
7	1	165000-36120	PLATE, BAFFLE	2							
8	1	165000-27290	SCREW, M8X16	12							
9	1	165000-34160	COVER	1							
10	1	165000-34640	GASKET	1							
11	1	165000-27330	SCREW, M8X25	4							

Fig.6.OIL DIPSTICK



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

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

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

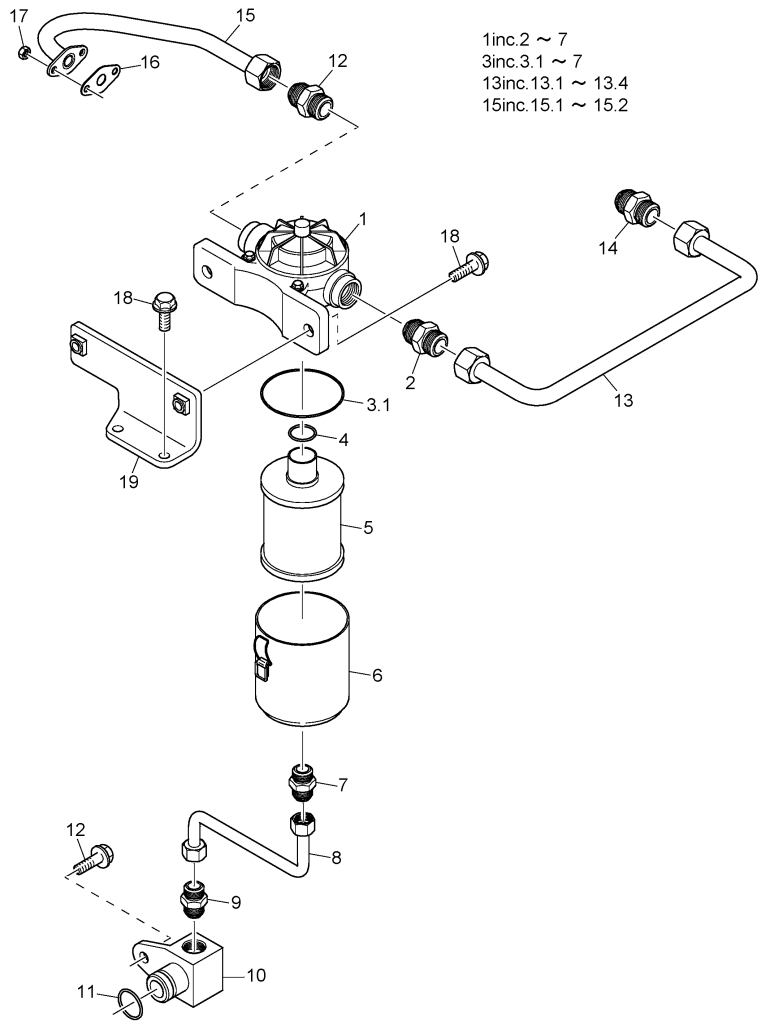


(1)LH
(2)RH

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Fig.9.CRANKCASE VENTILATION

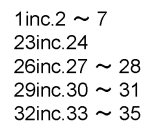


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Remarks
(1)WATER COOLED TURBINE
(2)AIR COOLED TURBINE

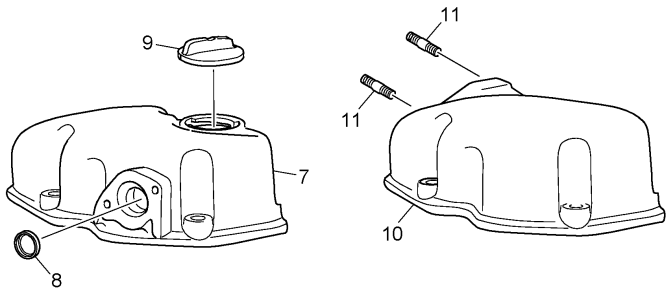
(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34520	FILTER ASSY	1							
2	2		UNION	2							
3	2	165000-31590	VENTILATION, CRANK	1							
3.1	3		O-RING	1							
4	3		O-RING	1							
5	3		FILTER ELEMENT	1							
6	3		HOUSING, LOWER PART	1							
7	3		UNION	1							
8	1	165000-35860	PIPE	1							
9	1	165000-37780	VALVE, CHECK	1							
10	1	165000-34600	FLANGE	1							
11	1	165000-35630	O-RING	1							
12	1	165000-27230	SCREW, M6X16	1							
13	1	165000-35850	PIPE	1							1
13	1	165000-49120	PIPE	1							2
13.1	2		UNION NUT	1							
13.2	2		FERRULE	1							
13.3	2	165000-32500	NUT, UNION	1							
13.4	2	165000-26140	FERRULE, 22	1							
14	1	165000-37760	UNION, STRAIGHT	1							
15	1	165000-49130	PIPE	1							
15.1	2		UNION NUT	1							
15.2	2		FERRULE	1							
16	1	165000-34770	GASKET	1							
17	1	165000-29040	NUT, FLANGE M8	2							
18	1	165000-26930	SCREW, M10X25	4							
19	1	165000-33760	BRACKET	1							

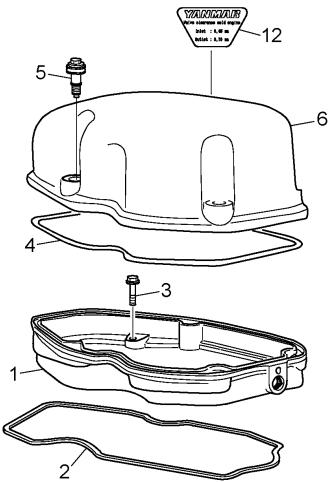


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	165000-49030	HEAD, CYLINDER	6					
2	2	165000-28230	SLEEVE	6					
3	2	165000-30890	PLUG, CORE 36MM	12					
4	2	165000-30830	PLUG, RIVET	12					
5	2	165000-35000	GUIDE, VALVE	24					
6	2	165000-35290	VALVE SEAT INT STD	12					
6A	1	165000-35300	VALVE SEAT INT OSZ	12					
7	2	165000-35310	VALVE SEAT EXH STD	12					
7A	1	165000-35320	VALVE SEAT EXH OSZ	12					
8	1	165000-30490	PIN, 10X80	12					
9	1	165000-30520	PIN, 8X20	12					
10	1	165000-25510	GASKET	6					
11	1	165000-27760	SEAL	24					
12	1	165000-30290	VALVE, INTAKE	12					
13	1	165000-30320	SPRING, INT.VALVE	12					
14	1	165000-25920	COLLAR, SPRING INT	12					
15	1	165000-30310	VALVE, EXHAUST	12					
16	1	165000-30340	SPRING, VALVE EXH.IN	12					
17	1	165000-30330	SPRING, VALVE EXH.OU	12					
18	1	165000-25930	COLLAR, SPRING EXH	12					
19	1	165000-28570	COLLET	48					
20	1	165000-48830	BRIDGE, VALVE	12					
21	1	165000-26670	SCREW	36					
22	1	165000-31200	BRACKET, BEARING	6					
23	1	165000-49510	SHAFT	6					
24	2	165000-30830	PLUG, RIVET	6					
25	1	165000-26850	SCREW, TIGHT-FIT	12					
26	1	165000-32780	ARM, ROCKER INTAKE	6					
27	2	165000-27500	SCREW, ADJUSTING M10	6					
28	2	165000-28880	NUT, HEXAGON M10	6					
29	1	165000-32790	ARM, ROCKER EXHAUST	6					
30	2	165000-27500	SCREW, ADJUSTING M10	6					
31	2	165000-28890	NUT, HEXAGON M10	6					
32	1	165000-48780	ARM, ROCKER	6					
33	2	165000-49410	SCREW, ADJUSTING	6					
34	2	165000-28940	NUT, HEXAGON M12	6					
35	2		RIVET PLUG	6					

Fig.11.ROCKER COVER



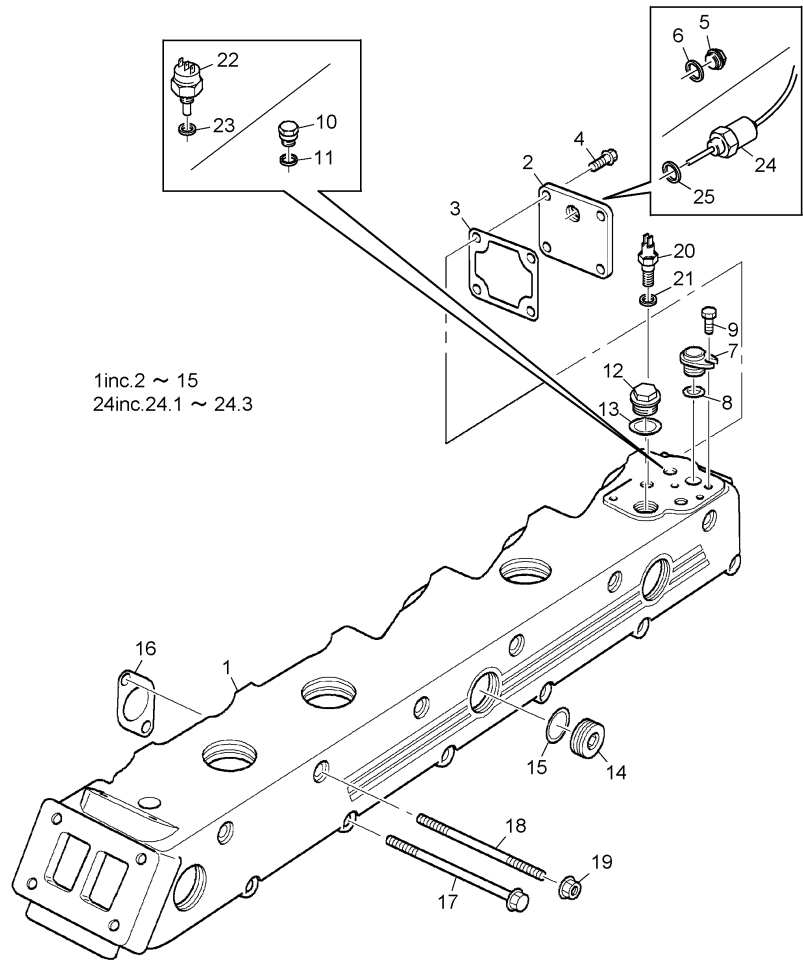
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(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-25870	COVER, ROCKER LO	6							
2	1	165000-49000	GASKET, ROCKER COVER	6							
3	1	165000-27360	SCREW, M8X30	24							
4	1	165000-25120	GASKET, ROCKER COVER	6							
5	1	165000-27510	SCREW, FLANGE	30							
6	1	165000-25890	COVER, ROCKER UP	4							
7	1	165000-34290	COVER, ROCKER	1							
8	1	165000-30880	PLUG, CORE 25MM	1							
9	1	165000-26120	CAP, FILLER	1							
10	1	165000-34280	COVER, ROCKER	1							
11	2	165000-37320	STUD	2							
12	1	165000-49240	PLATE	1							

Fig.12.EXHAUST MANIFOLD



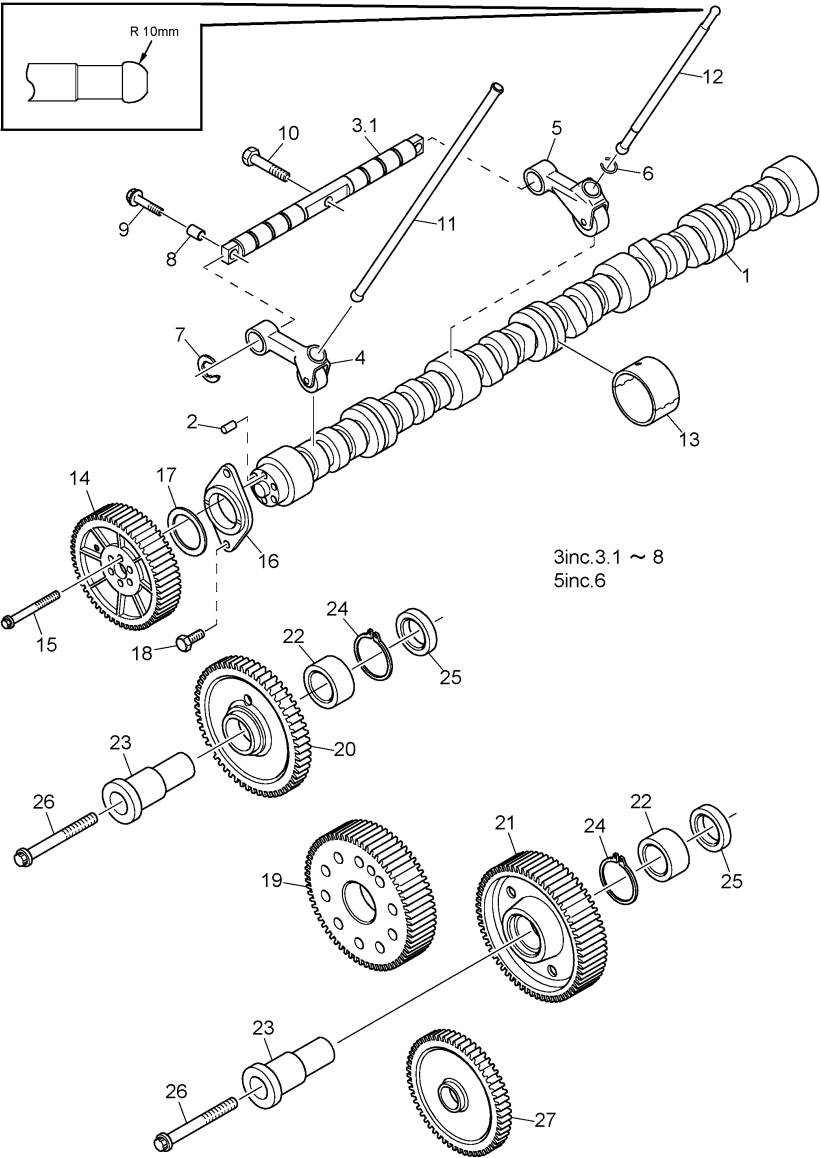
Y00R5770 12.EXHAUST MANIFOLD

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

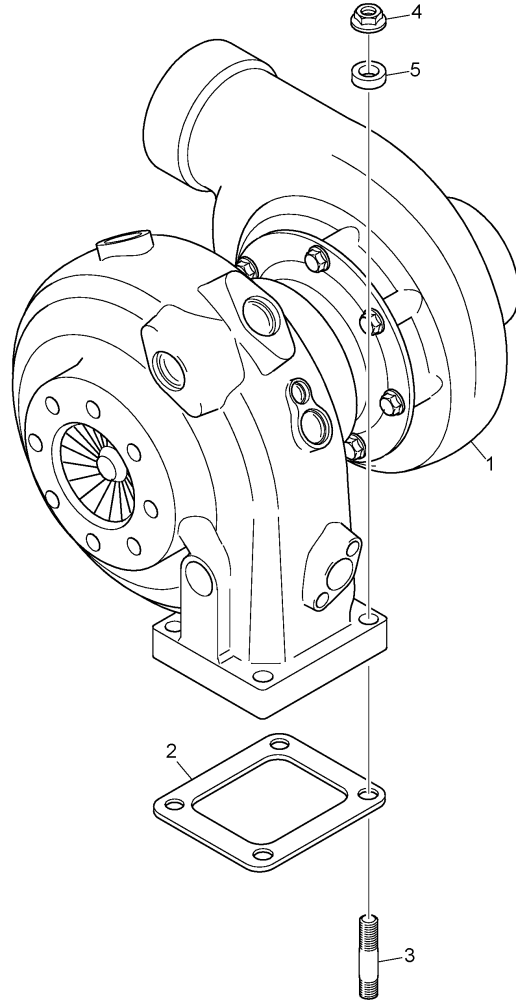
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49090	MANIFOLD ASSY, EXH	1							
2	2		COVER	1							
3	2	165000-34760	GASKET	1							
4	2	165000-26910	SCREW, M10X25	4							
5	2	165000-30930	PLUG, M18X1.5X9	1							
6	2	165000-25600	GASKET, 18.2X21.9	1							
7	2	165000-36190	PLUG	1							
8	2	165000-24520	O-RING, 11.3X2.4	1							
9	2	165000-27220	SCREW, M6X14	1							
10	2	165000-36230	PLUG, SCREW	3							
11	2	165000-25580	GASKET, 14.2X17.9	3							
12	2	165000-30950	PLUG, M26X1.5X9	1							
13	2	165000-25630	GASKET, 26.3X30.9	1							
14	2	165000-36270	PLUG, SCREW	12							
15	2	165000-34660	GASKET	12							
16	1	165000-25410	GASKET, EXHAUST	6							
17	1	165000-36960	SCREW, FLANGE	6							
18	1	165000-37330	STUD	6							
19	1	165000-28870	NUT, FLANGE M10	6							
20	1	165000-37130	SENSOR, TEMPERATURE	1							
21	1	165000-37080	SEAL	1							
22	1	165000-35460	MONITOR, TEMP 93	1							
22A	1	165000-35470	MONITOR, TEMP 98	1							
22B	1	165000-35480	MONITOR, TEMP 105	1							
23	1	165000-37080	SEAL	1							
24	1	165000-35450	MONITOR, LEVEL	1							
24.1	2	165000-35210	HOUSING, CONTACT	1							
24.2	2	165000-28400	SOCKET, FLAT	3							
24.3	2	165000-32800	LOCK, WEDGE	1							
25	1	165000-27780	SEAL	1							

Fig.13.TIMING GEAR

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33850	CAMSHAFT	1							
2	1	165000-30480	PIN, 10X25	1							
3	1	165000-37420	TAPPET, VALVE	3							
3.1	2		SHAFT	3							
4	2	165000-37410	TAPPET, ROLLER	12							
5	2	165000-37400	TAPPET, ROLLER	6							
6	3	165000-36610	RING, SNAP	6							
7	2	165000-36530	RING, RETAINING	12							
8	2	165000-28260	SLEEVE, GUIDE	6							
9	1	165000-36990	SCREW, FLANGE	6							
10	1	165000-49420	SCREW, BANJO	3							
11	1	165000-49380	PUSHROD	12							
12	1	165000-36660	ROD, PUSH	6							
13	1		REFER TO Fig.1.	7							
14	1	165000-26030	GEAR, LH	1							
15	1	165000-26970	SCREW, M10X40	5							
16	1	165000-31360	FLANGE, GUIDE	1							
17	1	165000-33050	WASHER, THRUST	1							
18	1	165000-26940	SCREW, M10X30	2							
19	1		REFER TO Fig.20.	1							
20	1	165000-26020	GEAR	1							
21	1	165000-34960	GEAR	1							
22	1	165000-31970	BEARING, BALL	2							
23	1	165000-27730	SHAFT	2							
24	1	165000-28100	RING, SNAP	2							
25	1	165000-28290	SLEEVE, SPACER	2							
26	1	165000-27170	SCREW, M18X120	2							
27	1		REFER TO Fig.25.	1							



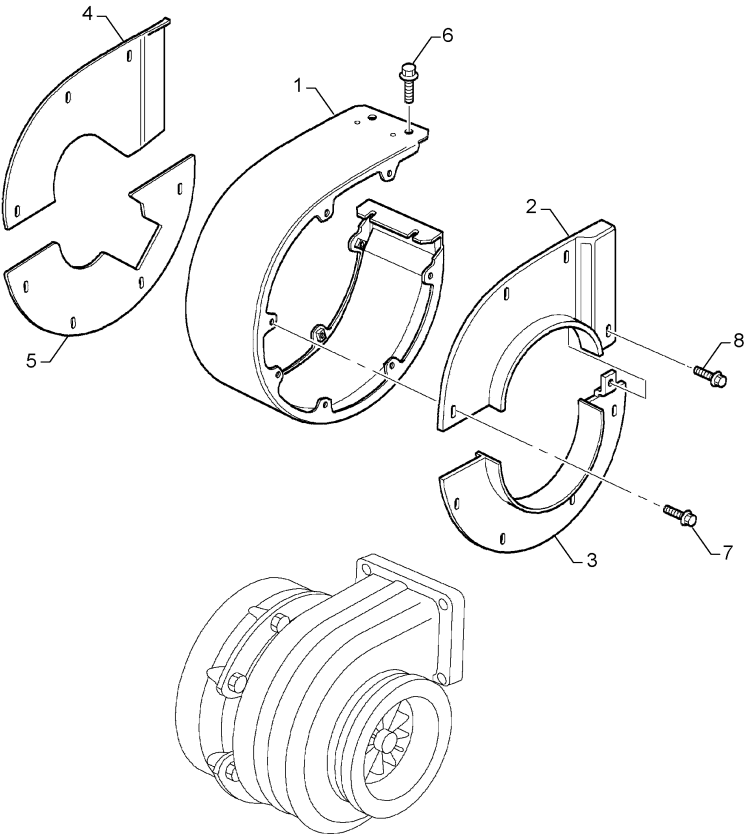
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-49650	TURBINE	1						
2	1	165000-34650	GASKET	1						
3	1	165000-37340	STUD	4						
4	1	165000-28860	NUT, FLANGE M10	4						
5	1	165000-38010	WASHER, SPACING	4						



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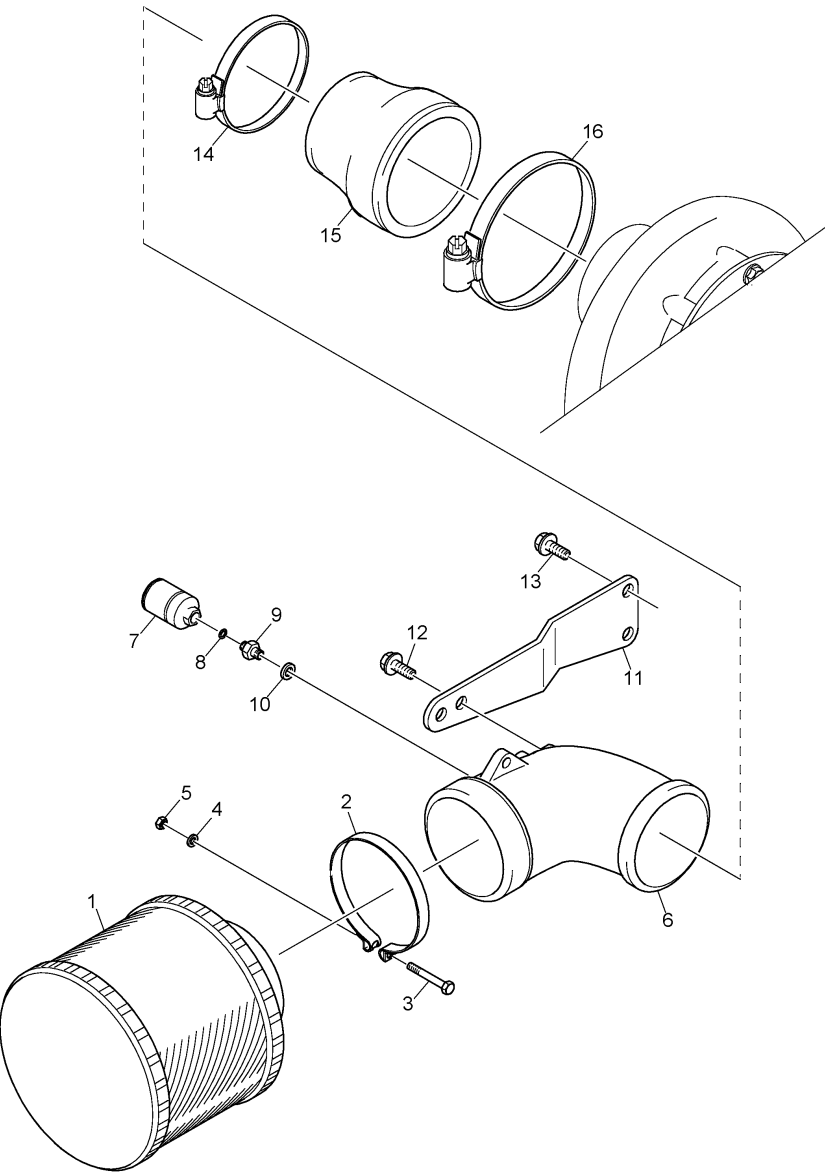
Fig.16.PROTECTIVE CASING



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-48850	CASE	1							
2	1	165000-49260	PLATE, PROTECTIVE	1							
3	1	165000-49270	PLATE, PROTECTIVE	1							
4	1	165000-49280	PLATE, PROTECTIVE	1							
5	1	165000-49290	PLATE, PROTECTIVE	1							
6	1	165000-27270	SCREW, M8X12	4							
7	1	165000-27210	SCREW, M6X10	15							
8	1	165000-27240	SCREW, M6X16	1							

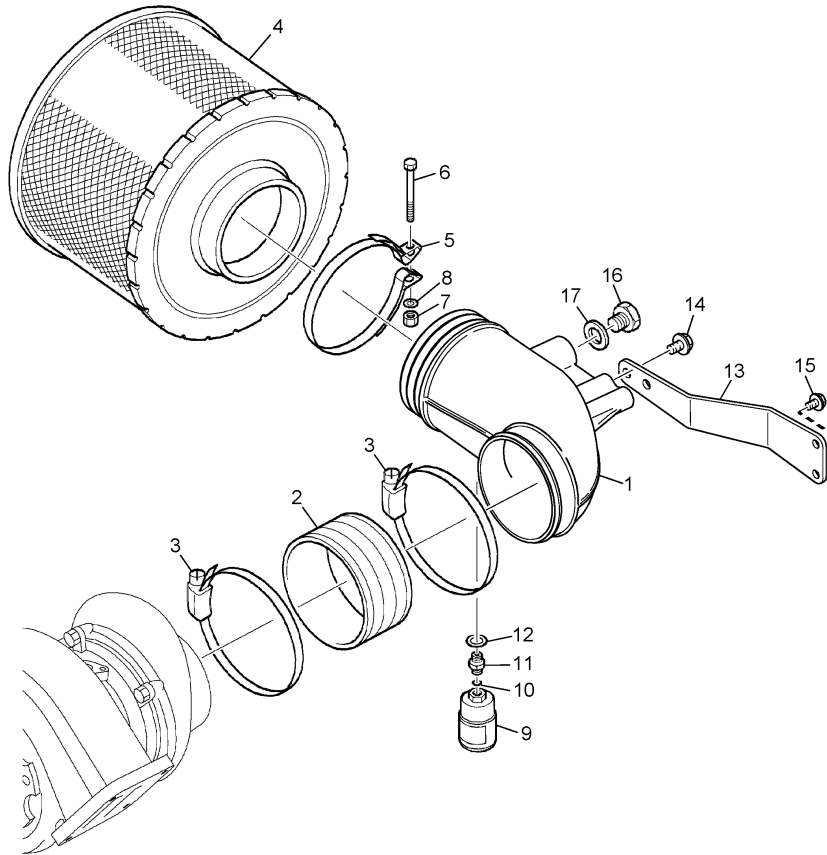
Fig.17.AIR CLEANER,W-COOLED TURBINE



Y00R5770 17.AIR CLEANER,W-COOLED TURBINE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-24950	CLEANER, AIR 6.5M2	1							
2	1	165000-28050	STRAP	1							
3	1	165000-27470	SCREW, M8X75	1							
4	1	165000-33150	WASHER, 6.4X12	1							
5	1	165000-29070	NUT, M8	1							
6	1	165000-33580	BEND, PIPE	1							
7	1	165000-24890	INDICATOR, PRESSURE	1							
8	1	165000-27750	SEAL	1							
9	1	165000-32190	UNION	1							
10	1	165000-37080	SEAL	2							
11	1	165000-33780	BRACKET	1							
12	1	165000-36760	SCREW	2							
13	1	165000-27300	SCREW, M8X20	2							
14	1	165000-34080	CLIP, HOSE	1							
15	1	165000-35170	HOSE	1							
16	1	165000-31810	CLIP, HOSE	1							

Fig.18.AIR CLEANER,AIR-COOLED TURBINE



Y00R5770 18.AIR CLEANER,AIR-COOLED TURBINE

(A)=6SY-STP

(B)=

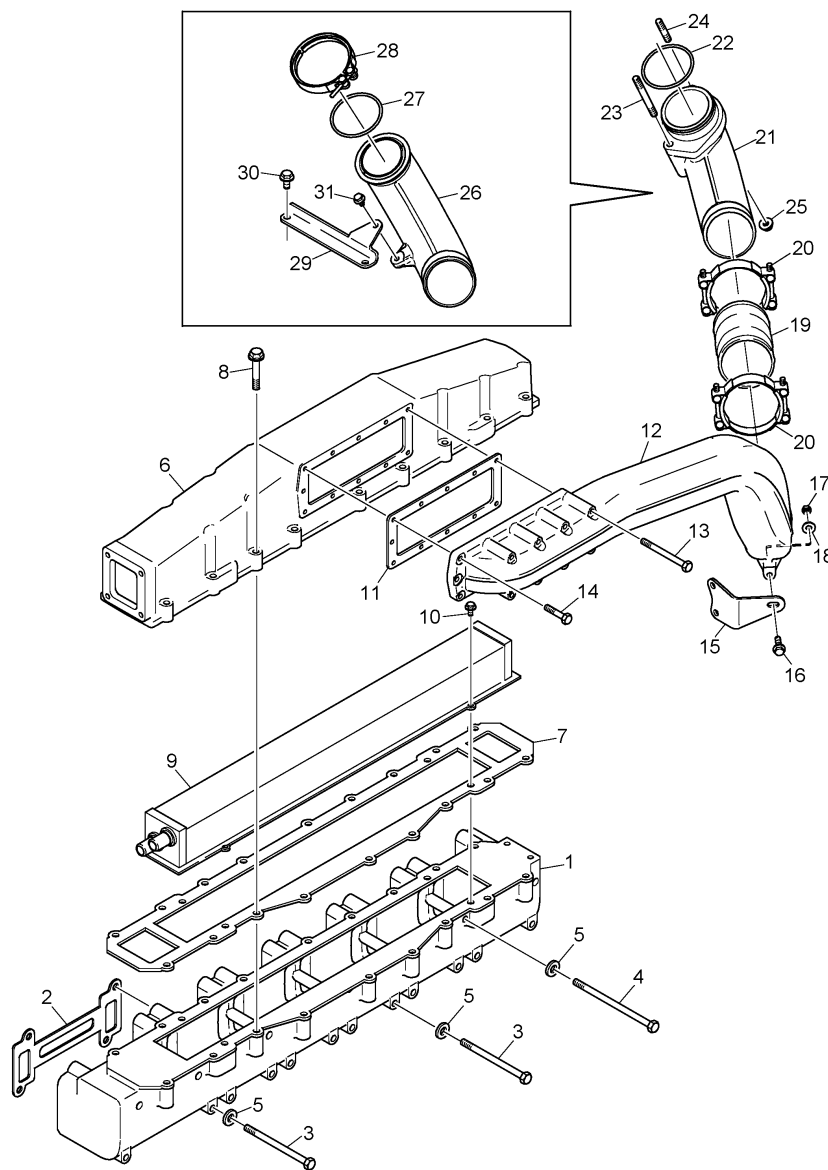
(C)=

(D)=

(E)=

$$(F)=$$

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-49160	PIPE, AIR	1						
2	1	165000-49040	HOSE	1						
3	1	165000-31820	CLIP, 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, 6.4X12	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						

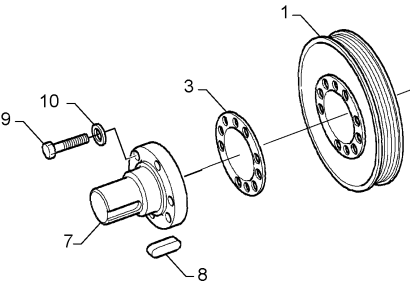


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35420	MANIFOLD, INTAKE	1							
2	1	165000-25380	GASKET, INTAKE	6							
3	1	165000-37030	SCREW, HEXAGON	12							
4	1	165000-37040	SCREW, HEXAGON	7							
5	1	165000-33150	WASHER, 6.4X12	19							
6	1	165000-35430	MANIFOLD, INTAKE	1							
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							
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							
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							
24	1	165000-49620	STUD, M10X45	1							
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							



(C)Copy Rights YANMAR CO.,LTD and YANMAR AGRICULTURAL EQUIPMENT CO.,LTD.

Fig.21.POWER TAKE-OFF (OPTION)

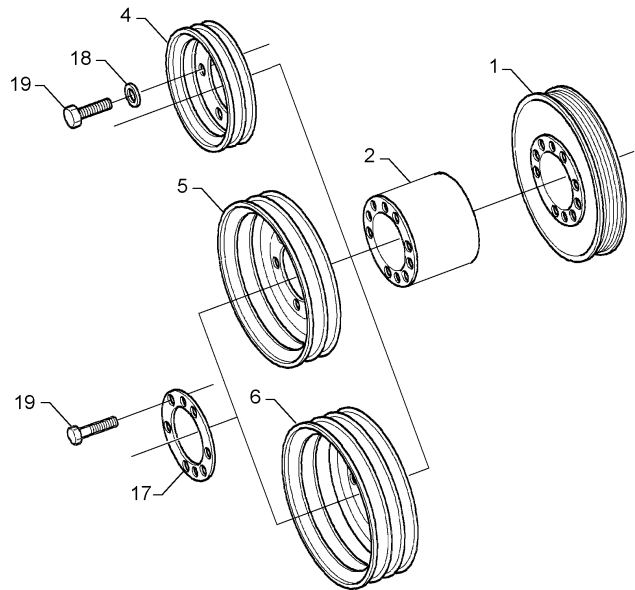


Y00R5770 21.POWER TAKE-OFF (OPTION)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1		REFER TO Fig.20.	1							
3	1	165000-49600	SPACER	1							
7	1	165000-24750	AXLE	1							
8	1	165000-25940	KEY	1							
9	1	165000-49440	SCREW, HEXAGON	6							1
9A	1	165000-49440	SCREW, HEXAGON	10							2
10	1	165000-33090	WASHER, 13X24	6							1
10A	1	165000-33090	WASHER, 13X24	10							2

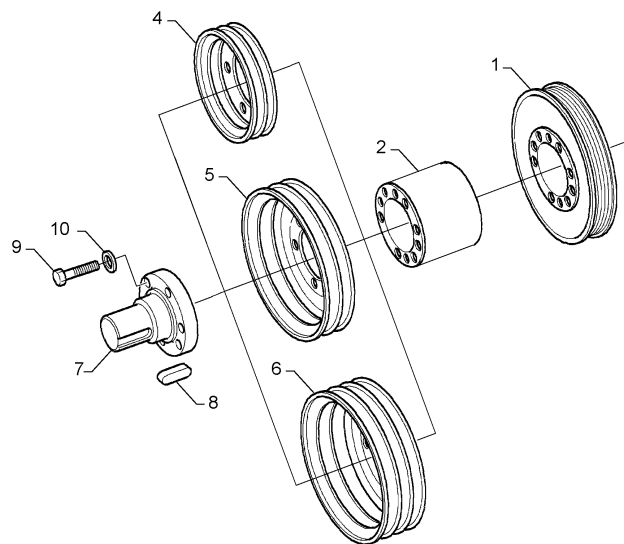
Remarks
(1)635NM
(2)1200NM

Fig.22.POWER TAKE-OFF (OPTION)



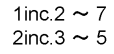
(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1		REFER TO Fig.20.	1							
2	1	165000-30360	PIECE, INTERMEDIATE	1							
4	1	165000-36300	PULLEY, 2-192	1							
5	1	165000-31410	PULLEY, 635NM 2-260	1							
6	1	165000-49360	PULLEY, 635NM 3-260	1							
17	1	165000-49600	SPACER	1							
18	1	165000-33090	WASHER, 13X24	6							
19	1	165000-49480	SCREW, M12X80	6							



Remarks
(1)635NM
(2)1200NM

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1		REFER TO Fig.20.	1						
2	1	165000-30360	PIECE, INTERMEDIATE	1						
4	1	165000-36300	PULLEY, 2-192	1						
5	1	165000-31410	PULLEY, 635NM 2-260	1						1
5A	1	165000-49350	PULLEY, 1200NM 2-260	1						2
6	1	165000-49360	PULLEY, 635NM 3-260	1						1
7	1	165000-24750	AXLE	1						
8	1	165000-25940	KEY	1						
9	1	165000-49460	SCREW, M12X100	6						1
9A	1	165000-49460	SCREW, M12X100	10						2
10	1	165000-33090	WASHER, 13X24	6						1
10A	1	165000-33090	WASHER, 13X24	10						2



REF.	LEV.	PARTS NO.	DESCRIPTION	(A)=6SY-STP		(D)=		(E)=		I	R
				(B)=	(C)=	(B)	(C)	(D)	(E)		
1	1	165000-49230	PISTON ASSY			6					
2	2	165000-32680	RING SET, PISTON			1					
3	3	165000-32610	RING, COMPRESSION			1					
4	3	165000-32600	RING, COMPRESSION			1					
5	3	165000-25080	RING, OIL SCRAPER			1					
6	2	165000-32710	RING, RETANING			2					
7	2	165000-30470	PIN, GUDGEON			1					

Fig.25.OIL PUMP

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36430	PUMP, OIL	1							
1.1	2	165000-28260	SLEEVE, GUIDE	4							
2	2	165000-36910	SCREW, FLANGE	6							
3	1	165000-34670	GASKET	1							
4	1	165000-27440	SCREW, M8X60	4							
5	1	165000-36080	PIPE, INTAKE	1							
6	1	165000-24570	O-RING, 29.2X3	1							
7	1	165000-27400	SCREW, M8X40	4							
8	1	165000-37280	SPACER	4							

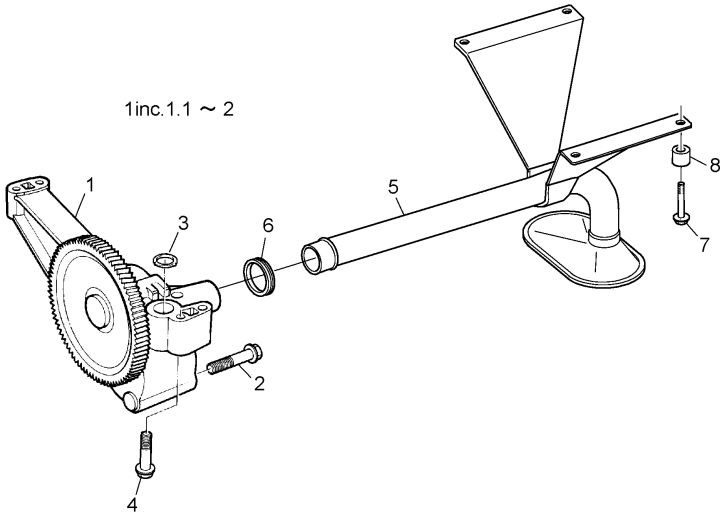


Fig.26.OIL COOLER

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-25010	COOLER, OIL	1							
2	1	165000-25450	GASKET	2							
3	1	165000-25290	GASKET	2							
4	1	165000-27460	SCREW, M8X70	4							
5	1	165000-34270	COVER ASSY	1							
5.1	2		OIL COOLER COVER	1							
6	2	165000-30880	PLUG, CORE 25MM	2							
7	2	165000-25710	COVER	1							
8	2	165000-25190	GASKET	1							
9	2	165000-27240	SCREW, M6X16	3							
10	2	165000-30380	PISTON	1							
11	2	165000-28150	SPRING	1							
12	2	165000-30940	PLUG, M22X1.5X9	1							
13	2	165000-25610	GASKET, 22.2X26.9	1							
14	2	165000-37640	UNION	1							
15	2	165000-37220	SLEEVE, PROTECTION	1							
16	1	165000-34840	GASKET	1							
17	1	165000-27400	SCREW, M8X40	10							

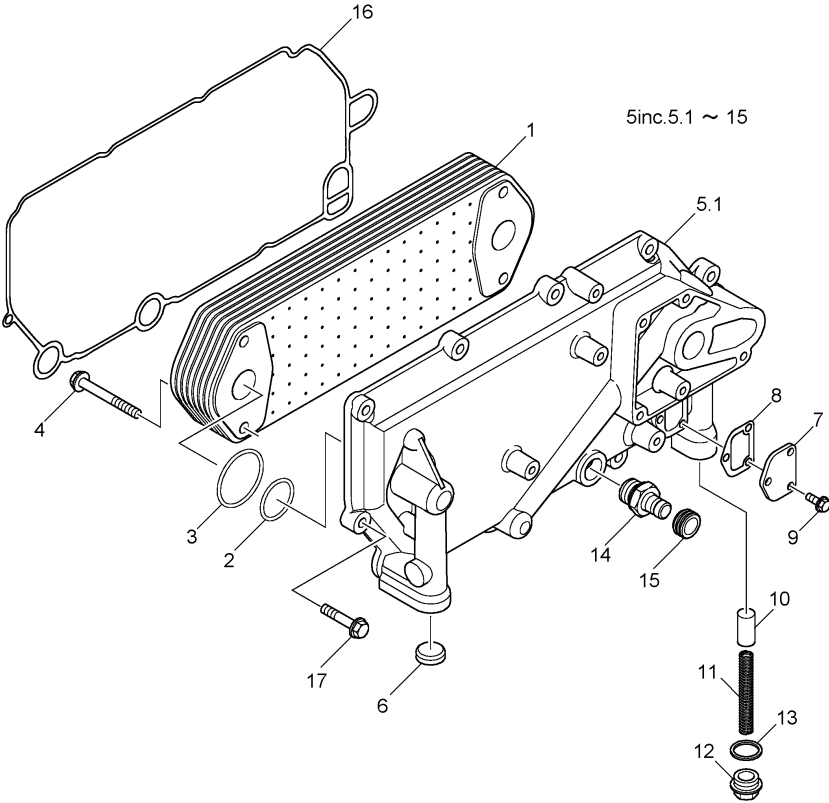
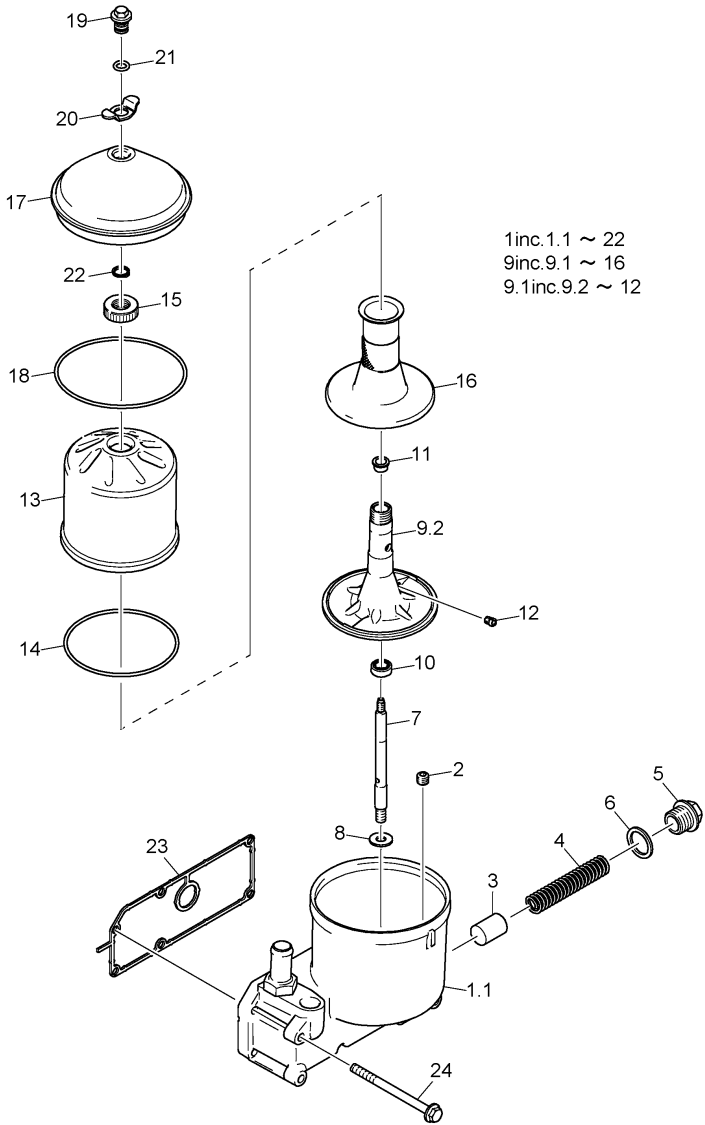


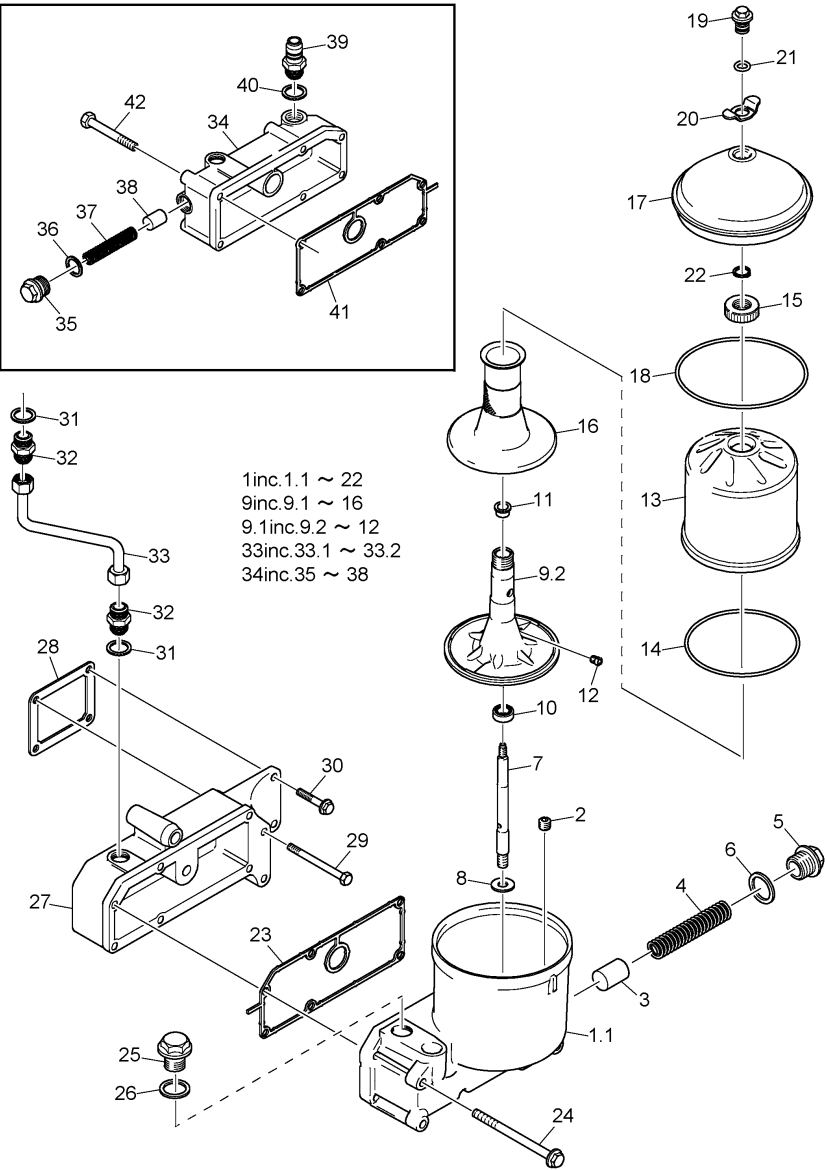
Fig.27.CENTRIFUGAL OIL CLEANER RH



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34060	CLEANER ASSY, OIL	1							
1.1	2		HOUSING	1							
2	3	165000-36240	PLUG, SCREW	1							
3	3	165000-30380	PISTON	1							
4	3	165000-37290	SPRING	1							
5	3	165000-30940	PLUG, M22X1.5X9	1							
6	3	165000-25610	GASKET, 22.2X26.9	1							
7	3	165000-37160	SHAFT	1							
8	3	165000-32930	WASHER	1							
9	2	165000-36690	ROTOR COVER ASSY	1							
9.1	3	165000-36680	ROTOR ASSY	1							
9.2	4		ROTOR	1							
10	4		BEARING	1							
11	4		BEARING	1							
12	4		NOZZLE	2							
13	3	165000-34250	COVER	1							
14	3	165000-35660	O-RING	1							
15	3	165000-35530	NUT	1							
16	3	165000-37310	STRAINER	1							
17	2	165000-25720	COVER	1							
18	2	165000-24400	O-RING	1							
19	2	165000-32860	NUT, LOCK	1							
20	2	165000-32960	WASHER	1							
21	2	165000-24380	O-RING	1							
22	2	165000-28090	RING, SNAP	1							
23	1	165000-34820	GASKET	1							
24	1	165000-27260	SCREW, M8X100	4							
25	1	165000-34910	GASKET KIT	1							

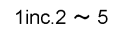
Fig.28.CENTRIFUGAL OIL CLEANER LH



132799

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

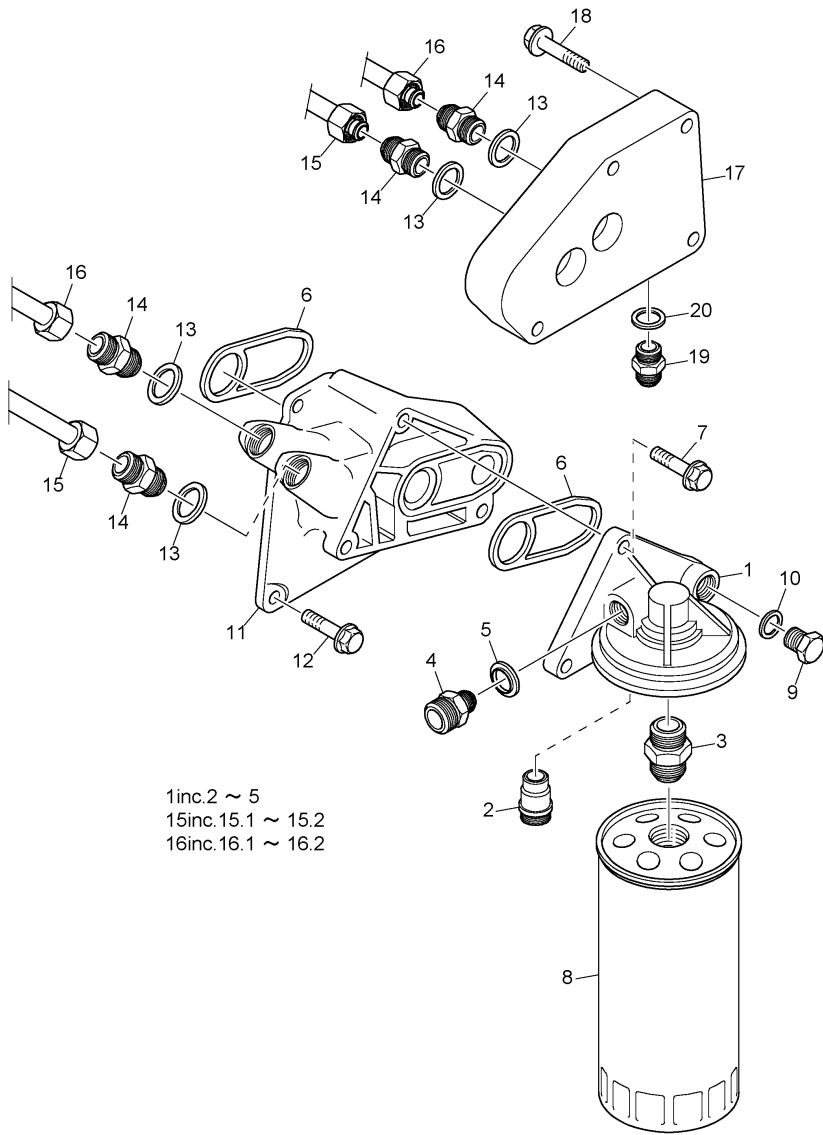
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34060	CLEANER ASSY, OIL	1							
1.1	2		HOUSING	1							
2	3	165000-36240	PLUG, SCREW	1							
3	3	165000-30380	PISTON	1							
4	3	165000-37290	SPRING	1							
5	3	165000-30940	PLUG, M22X1.5X9	1							
6	3	165000-25610	GASKET, 22.2X26.9	1							
7	3	165000-37160	SHAFT	1							
8	3	165000-32930	WASHER	1							
9	2	165000-36690	ROTOR COVER ASSY	1							
9.1	3	165000-36680	ROTOR ASSY	1							
9.2	4		ROTOR	1							
10	4		BEARING	1							
11	4		BEARING	1							
12	4		NOZZLE	2							
13	3	165000-34250	COVER	1							
14	3	165000-35660	O-RING	1							
15	3	165000-35530	NUT	1							
16	3	165000-37310	STRAINER	1							
17	2	165000-25720	COVER	1							
18	2	165000-24400	O-RING	1							
19	2	165000-32860	NUT, LOCK	1							
20	2	165000-32960	WASHER	1							
21	2	165000-24380	O-RING	1							
22	2	165000-28090	RING, SNAP	1							
23	1	165000-34820	GASKET	1							
24	1	165000-27260	SCREW, M8X100	4							
25	1	165000-30950	PLUG, M26X1.5X9	1							
26	1	165000-37090	SEAL	1							
27	1	165000-34590	FLANGE	1							
28	1	165000-34640	GASKET	1							
29	1	165000-36750	SCREW	2							
30	1	165000-27360	SCREW, M8X30	2							
31	1	165000-27920	RING, SEAL	2							
32	1	165000-37750	UNION, STRAIGHT	2							
33	1	165000-36060	PIPE, HYDRAULIC	1							
33.1	2	165000-35590	NUT, UNION	2							
33.2	2	165000-34450	FERRULE	2							
34	1	165000-34570	FLANGE	1							
35	2	165000-30940	PLUG, M22X1.5X9	1							
36	2	165000-25610	GASKET, 22.2X26.9	1							
37	2	165000-37290	SPRING	1							
38	2	165000-30380	PISTON	1							
39	1	165000-37670	UNION, HOSE	1							
40	1	165000-37090	SEAL	1							
41	1	165000-34820	GASKET	1							
42	1	165000-27430	SCREW, M8X60	6							
43	1	165000-34910	GASKET KIT	1							



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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-35080	HEAD, FILLER	1						
2	2	165000-30270	VALVE, OVERFLOW	1						
3	2	165000-37630	UNION	1						
4	2	165000-37740	UNION, STRAIGHT	1						
5	2	165000-27780	SEAL	1						
6	1	165000-34810	GASKET	1						
7	1	165000-27410	SCREW, M8X50	4						
8	1	165000-34510	FILTER, OIL	1						
9	1	165000-30950	PLUG, M26X1.5X9	1						
10	1	165000-25580	GASKET, 14.2X17.9	1						

Fig.30.OIL FILTER



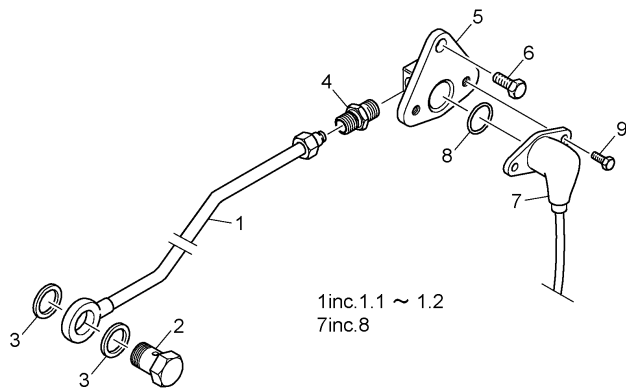
1inc.2 ~ 5
15inc.15.1 ~ 15.2
16inc.16.1 ~ 16.2

132740

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35070	HEAD, FILLER	1							
2	2	165000-30270	VALVE, OVERFLOW	1							
3	2	165000-37620	UNION	1							
4	2	165000-37750	UNION, STRAIGHT	1							
5	2	165000-27780	SEAL	1							
6	1	165000-34810	GASKET	2							
7	1	165000-27360	SCREW, M8X30	4							
8	1	165000-34510	FILTER, OIL	1							
9	1	165000-36230	PLUG, SCREW	2							
10	1	165000-37080	SEAL	2							
11	1	165000-34580	FLANGE	1							
12	1	165000-36910	SCREW, FLANGE	3							
13	1	165000-37090	SEAL	4							
14	1	165000-37760	UNION, STRAIGHT	4							
15	1	165000-36040	PIPE, HYDRAULIC	1							
15.1	2	165000-32500	NUT, UNION	2							
15.2	2	165000-26140	FERRULE, 22	2							
16	1	165000-36050	PIPE, HYDRAULIC	1							
16.1	2	165000-32500	NUT, UNION	2							
16.2	2	165000-26140	FERRULE, 22	2							
17	1	165000-33350	ADAPTER	1							
18	1	165000-27430	SCREW, M8X60	4							
19	1	165000-37740	UNION, STRAIGHT	1							
20	1	165000-27920	RING, SEAL	1							

Fig.31.OIL PRESSURE SENSOR

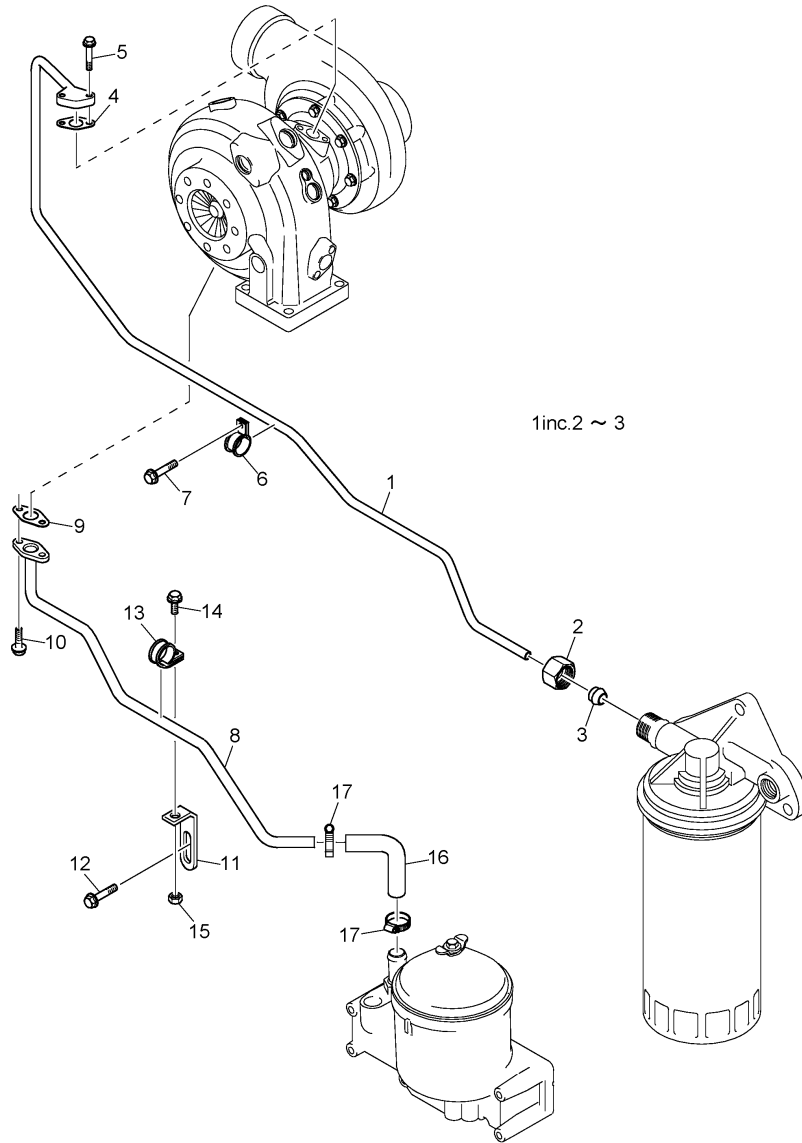


Y00R5770 31.OIL PRESSURE SENSOR

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35740	PIPE	1							
1.1	2	165000-32510	NUT, UNION	1							
1.2	2	165000-26150	FERRULE, 6	1							
2	1	165000-36890	SCREW, BANJO	1							
3	1	165000-25600	GASKET, 18.2X21.9	2							
4	1	165000-37720	UNION, STRAIGHT	1							
5	1	165000-34530	FITTING, MANIFOLD	1							
6	1	165000-27280	SCREW, M8X14	1							
7	1		REFER TO Fig.72.	1							
8	2	165000-24520	O-RING, 11.3X2.4	1							
9	1	165000-27230	SCREW, M6X16	2							

Fig.32.LUBRICATION, W-COOLED TURBO RH



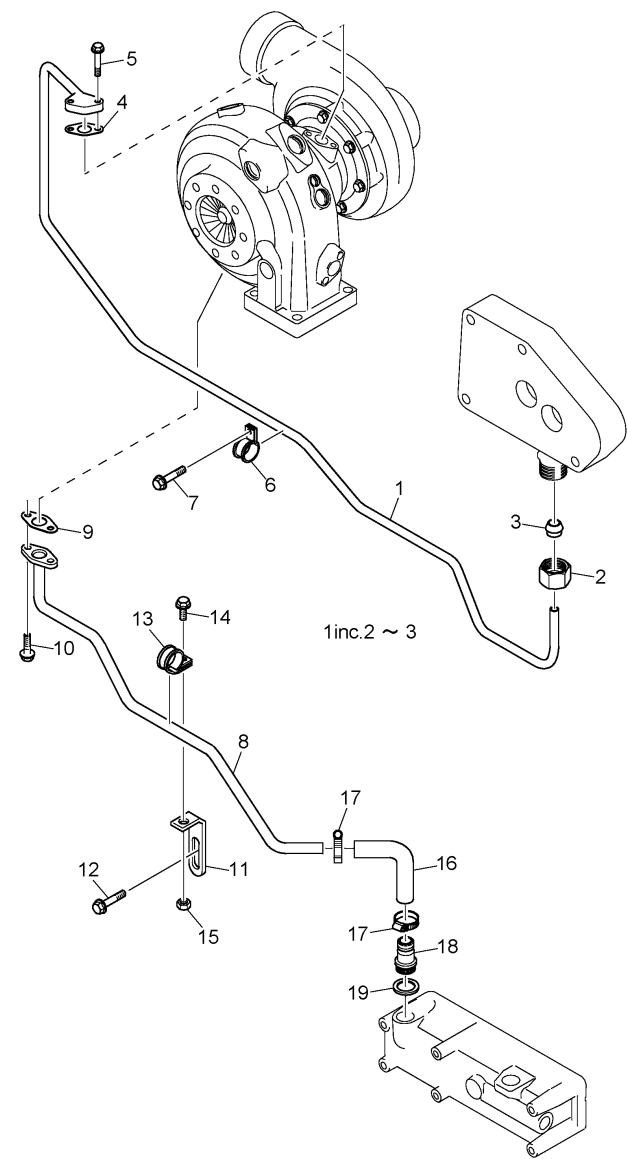
132803

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

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-35760	PIPE	1						
2	2	165000-32490	NUT, UNION	1						
3	2	165000-26130	FERRULE, 12	1						
4	1	165000-34850	GASKET	1						
5	1	165000-26950	SCREW, M10X35	2						
6	1	165000-26190	CLAMP, DIPSTICK F	2						
7	1	165000-27400	SCREW, M8X40	2						
8	1	165000-35770	PIPE	1						
9	1	165000-34830	GASKET	1						
10	1	165000-26910	SCREW, M10X25	2						
11	1	165000-33610	BRACKET LH SIDE	1						
12	1	165000-27400	SCREW, M8X40	1						
13	1	165000-34020	CLAMP	1						
14	1	165000-27240	SCREW, M6X16	1						
15	1	165000-29010	NUT, FLANGE M6	1						
16	1	165000-35160	HOSE	1						
17	1	165000-31770	CLIP, HOSE	2						

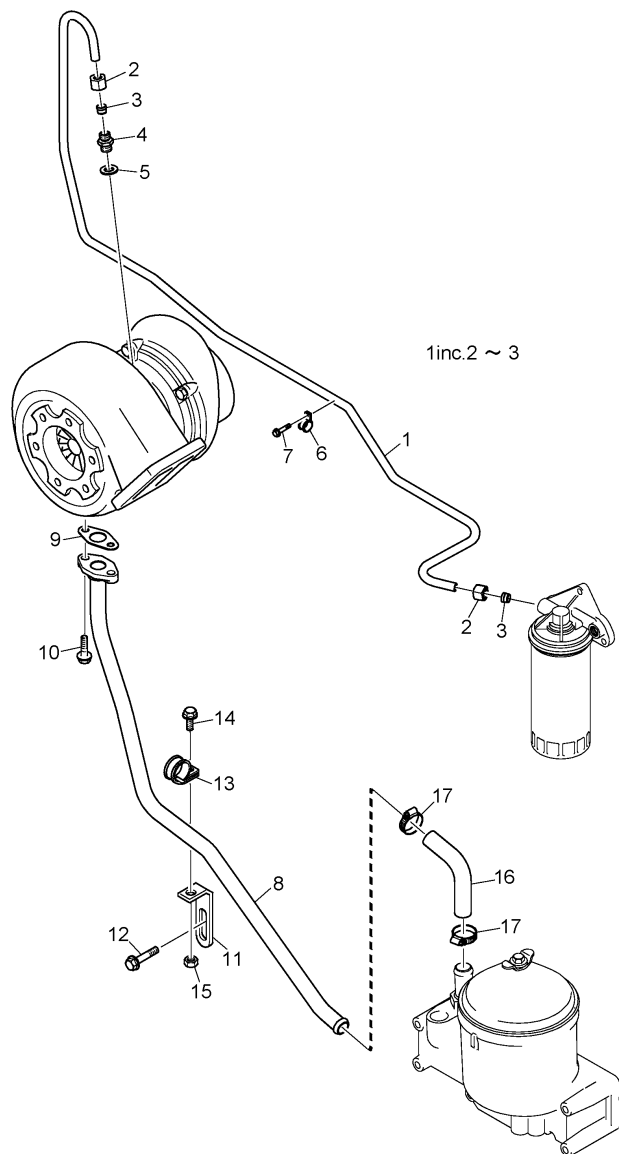
Fig.33.LUBRICATION, W-COOLED TURBO LH



132804

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36070	PIPE, HYDRAULIC	1							
2	2	165000-32490	NUT, UNION	1							
3	2	165000-26130	FERRULE, 12	1							
4	1	165000-34850	GASKET	1							
5	1	165000-26950	SCREW, M10X35	2							
6	1	165000-26190	CLAMP, DIPSTICK F	2							
7	1	165000-27400	SCREW, M8X40	2							
8	1	165000-35770	PIPE	1							
9	1	165000-34830	GASKET	1							
10	1	165000-26910	SCREW, M10X25	2							
11	1	165000-33610	BRACKET LH SIDE	1							
12	1	165000-27400	SCREW, M8X40	1							
13	1	165000-34020	CLAMP	1							
14	1	165000-27240	SCREW, M6X16	1							
15	1	165000-29010	NUT, FLANGE M6	1							
16	1	165000-35160	HOSE	1							
17	1	165000-31770	CLIP, HOSE	2							
18	1	165000-37670	UNION, HOSE	1							
19	1	165000-37090	SEAL	1							

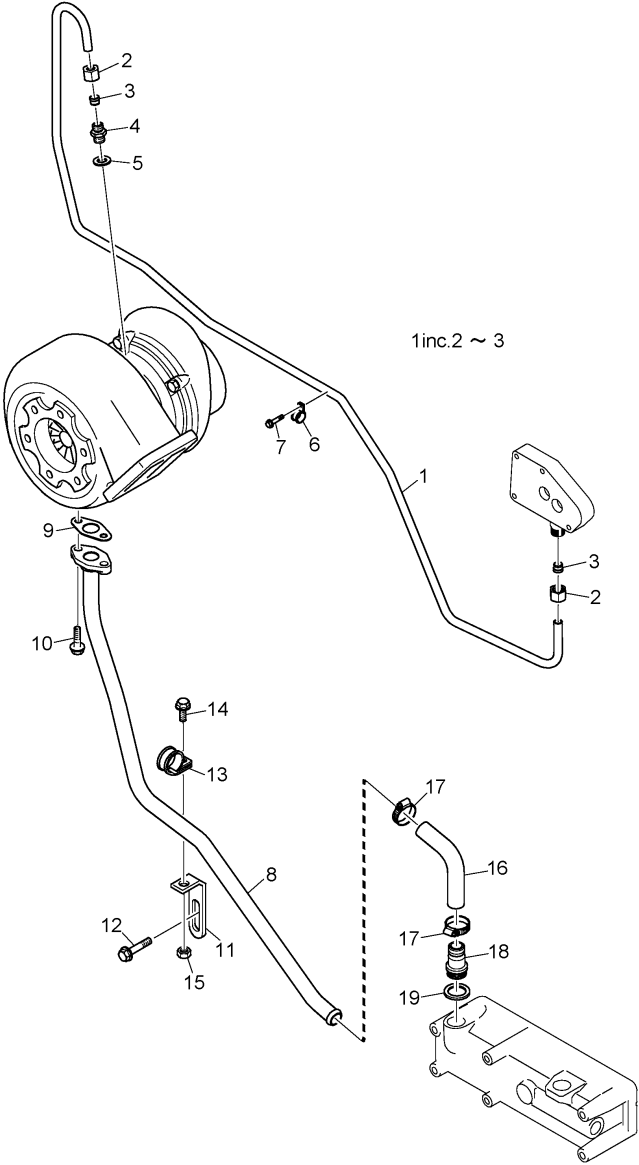


(A)=6SY-STP
(B)=
(C)=

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

REF.	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	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, DIPSTICK F	2							
7	1	165000-27330	SCREW, M8X25	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 SIDE	1							
12	1	165000-27330	SCREW, M8X25	1							
13	1	165000-34020	CLAMP	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							

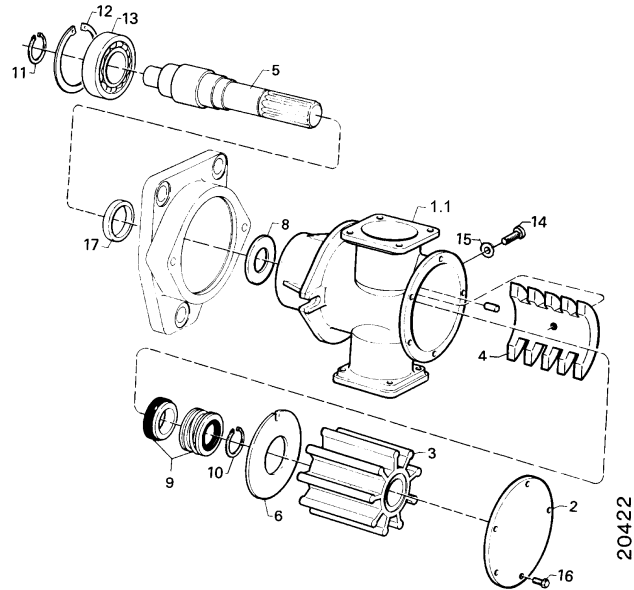
Fig.35.LUBRICATION, A-COOLED TURBO LH



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	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	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, DIPSTICK F	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 SIDE	1							
12	1	165000-27400	SCREW, M8X40	1							
13	1	165000-34020	CLAMP	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							
18	1	165000-37670	UNION, HOSE	1							
19	1	165000-37090	SEAL	1							

Fig.36.SEA WATER PUMP



1inc.1.1 ~ 17

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

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-36440	PUMP ASSY, SEA WATER	1						
1.1	2	165000-35240	HOUSING, PUMP	1						
2	2	165000-35350	COVER	1						
2	2	165000-34630	GASKET	1						
3	2	165000-35270	IMPELLER	1						
4	2	165000-33840	CAM	1						
5	2	165000-37150	SHAFT	1						
6	2	165000-38020	WASHER, WEAR	1						
7	2	165000-35680	PIN	1						
8	2	165000-37870	WASHER	1						
9	2	165000-37070	SEAL	1						
10	2	165000-36590	RING, SNAP	1						
11	2	165000-36600	RING, SNAP	2						
12	2	165000-36520	RING, RETAINING	1						
13	2	165000-33460	BEARING, BALL	1						
14	2	165000-36700	SCREW	1						
15	2	165000-37880	WASHER	1						
16	2	165000-36710	SCREW	5						
17	2	165000-37060	SEAL	1						

Fig.37.SEA WATER PUMP, MOUNTING

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1		REFER TO Fig.36.	1							
2	1	165000-34970	GEAR	1							
3	1	165000-35560	NUT, HEXAGON	1							
4	1	165000-26930	SCREW, M10X25	2							
5	1	165000-34750	GASKET	1							
6	1	165000-34560	FLANGE	1							
7	1	165000-24540	O-RING, 147.5X4	1							
8	1	165000-26930	SCREW, M10X25	5							
9	1	165000-25330	GASKET	5							
10	1	165000-37500	TUBE	1							
11	1	165000-27450	SCREW, M8X65	2							
12	1	165000-27330	SCREW, M8X25	2							
13	1	165000-31250	FLANGE	6							
14	1	165000-32630	RING	3							
15	1	165000-31260	FLANGE	2							
16	1	165000-26620	SCREW, M8X90	4							
17	1	165000-27420	SCREW, M8X55	4							
18	1	165000-36830	SCREW	8							
19	1	165000-33150	WASHER, 6.4X12	8							
20	1	165000-37480	TUBE	2							
21	1	165000-35150	HOSE	2							
22	1	165000-34100	CLUTCH	2							

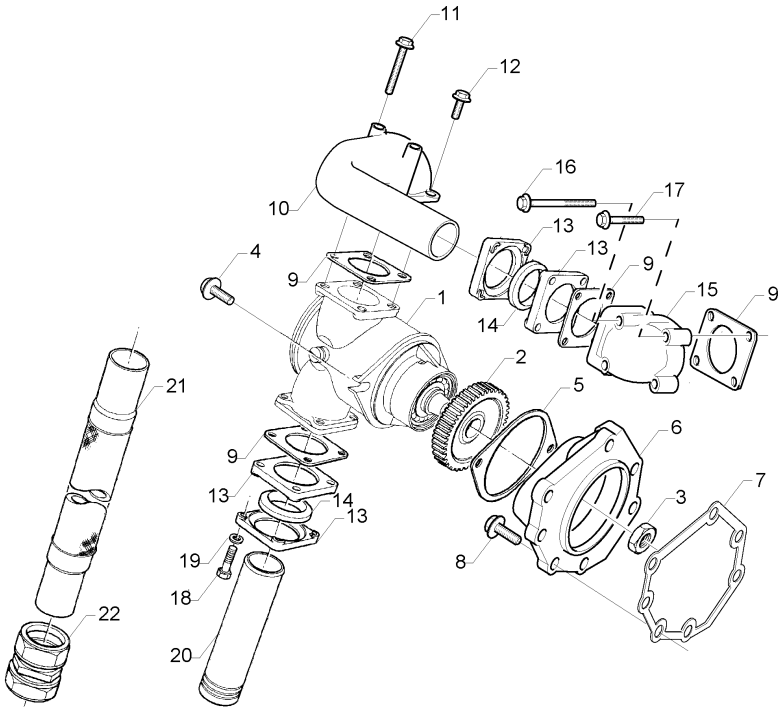
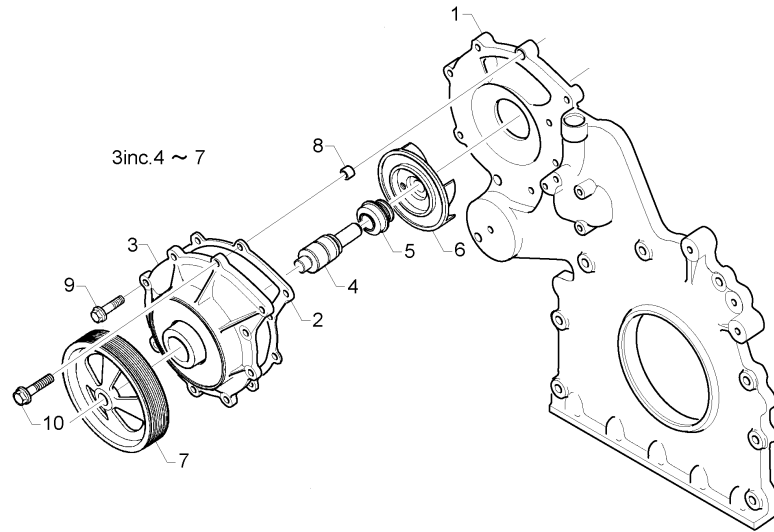


Fig.38.COOLANT PUMP



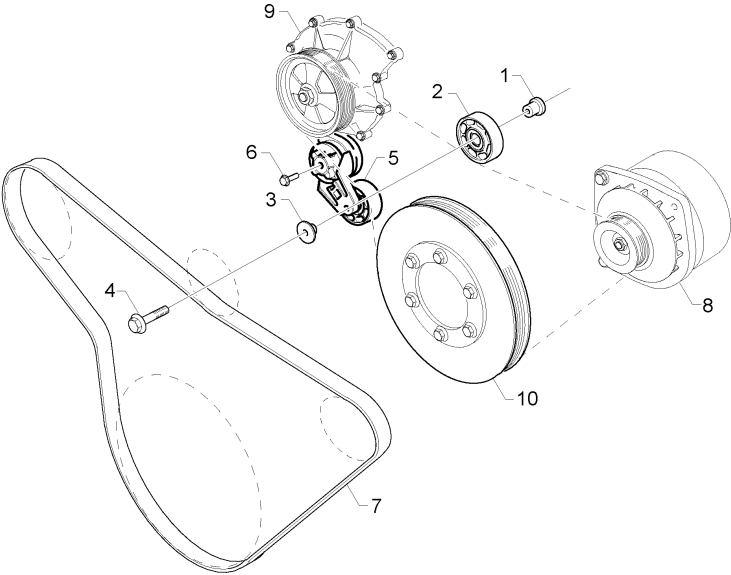
(A)=6SY-STP
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY -----						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1		REFER TO Fig.3.	1						
2	1	165000-34720	GASKET	1						
3	1	165000-36400	PUMP ASSY, COOLANT	1						
4	2	165000-31550	BEARING	1						
5	2	165000-36550	RING, SEAL	1						
6	2		IMPELLER	1						
7	2	165000-31430	PULLEY	1						
8	1	165000-28260	SLEEVE, GUIDE	2						
9	1	165000-27360	SCREW, M8X30	7						
10	1	165000-27400	SCREW, M8X40	2						

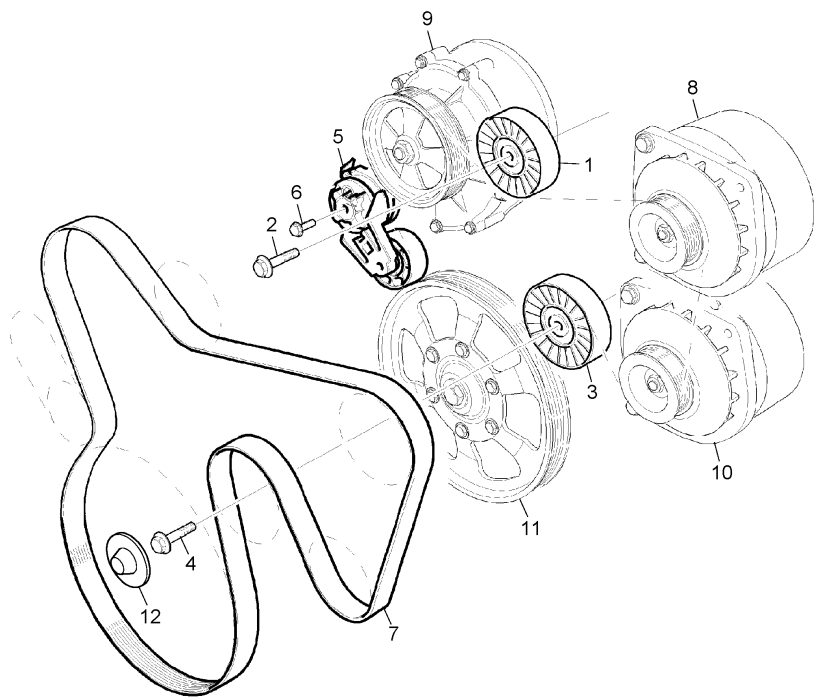
[illegible]

Fig.40.BELT TRANSMISSION,ALT LOW



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37250	SLEEVE, SPACING	1							
2	1	165000-36670	ROLLER	1							
3	1	165000-37970	WASHER	1							
4	1	165000-36930	SCREW, FLANGE	1							
5	1	165000-49640	TENSIONER, BELT	1							
6	1	165000-36940	SCREW, FLANGE	1							
7	1	165000-37830	V-BELT, POLY	1							
8	1		REFER TO Fig.66.	1							
9	1		REFER TO Fig.38.	1							
10	1		REFER TO Fig.20.	1							

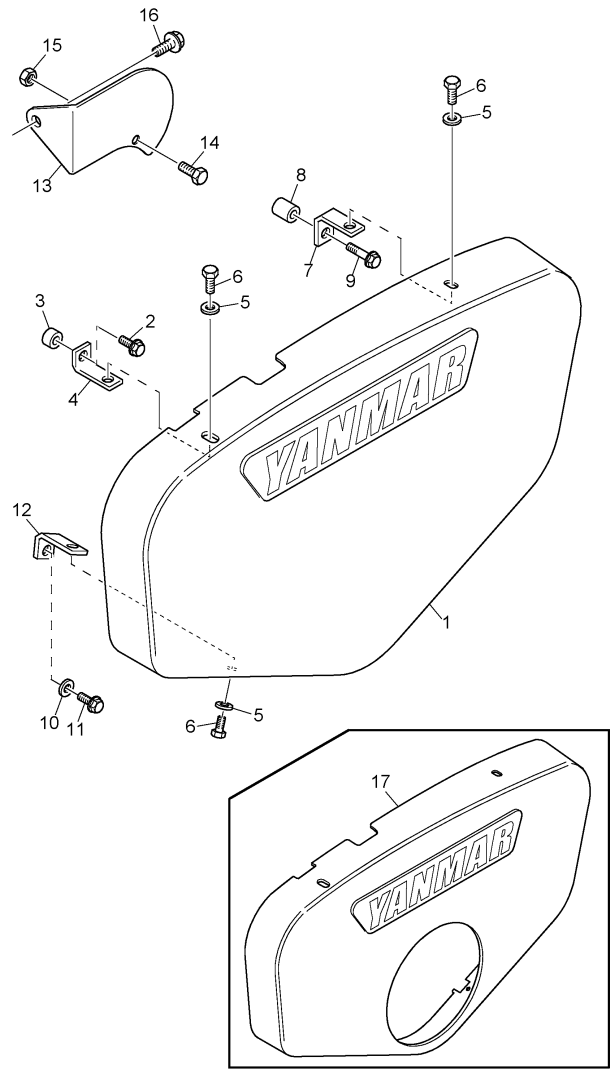


(A)=6SY-STP
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36670	ROLLER	1							
1	1	165000-37250	SLEEVE, SPACING	1							
1	1	165000-37970	WASHER	1							
2	1	165000-36770	SCREW	1							
3	1	165000-32890	ROLLER	1							
4	1	165000-36920	SCREW, FLANGE	1							
5	1	165000-49640	TENSIONER, BELT	1							
6	1	165000-36940	SCREW, FLANGE	1							
7	1	165000-49670	V-BELT	1							
8	1		REFER TO Fig.66.	1							
9	1		REFER TO Fig.38.	1							
10	1		REFER TO Fig.66.	1							
11	1		REFER TO Fig.20.	1							
12	1	165000-25860	COVER	1							

Fig.42.PROTECTIVE CASING



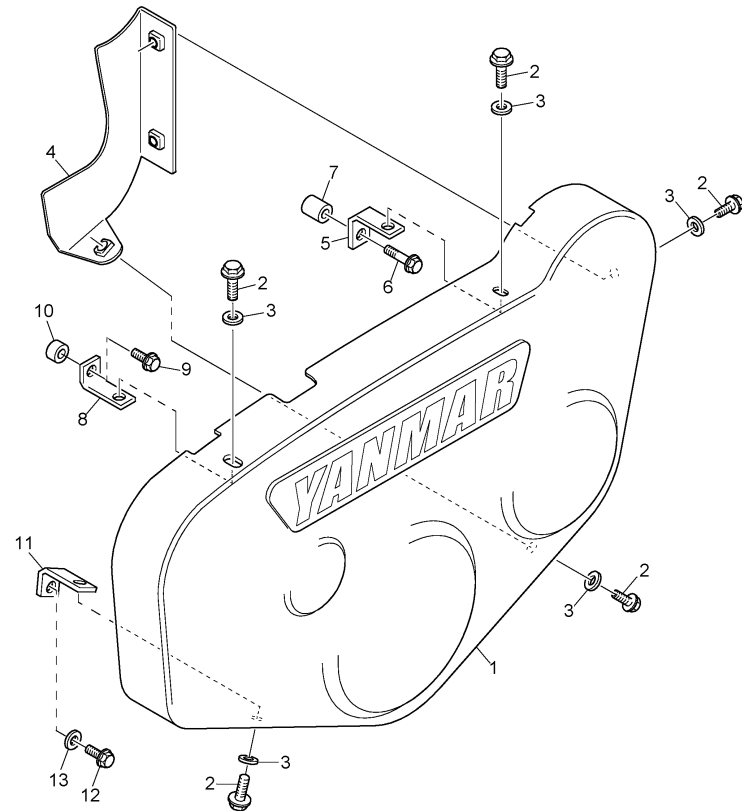
132800

Remarks
(1)WITHOUT PTO
(2)WITH PTO

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33980	CASE, PROTECTIVE	1							1
2	1	165000-27410	SCREW, M8X50	1							
3	1	165000-28780	TUBE, SPACER L=10MM	1							
4	1	165000-33650	BRACKET	1							
5	1	165000-37960	WASHER	4							
6	1	165000-37020	SCREW, HEXAGON	4							
7	1	165000-33660	BRACKET	1							
8	1	165000-37560	TUBE, SPACING	1							
9	1	165000-26990	SCREW, M10X40	1							
10	1	165000-37850	WASHER	2							
11	1	165000-36930	SCREW, FLANGE	2							
12	1	165000-33670	BRACKET	2							
13	1	165000-36160	PLATE, PROTECTIVE	1							
14	1	165000-26910	SCREW, M10X25	1							
15	1	165000-28870	NUT, FLANGE M10	1							
16	1	165000-36990	SCREW, FLANGE	1							
17	1	165000-33990	CASE, PROTECTIVE	1							2

Fig.43.PROTECTIVE CASING (OPTION)



132269

Remarks

(1)WITHOUT PTO

(2)WITH PTO

(A)=6SY-STP

(B)=

(C)=

(D)=

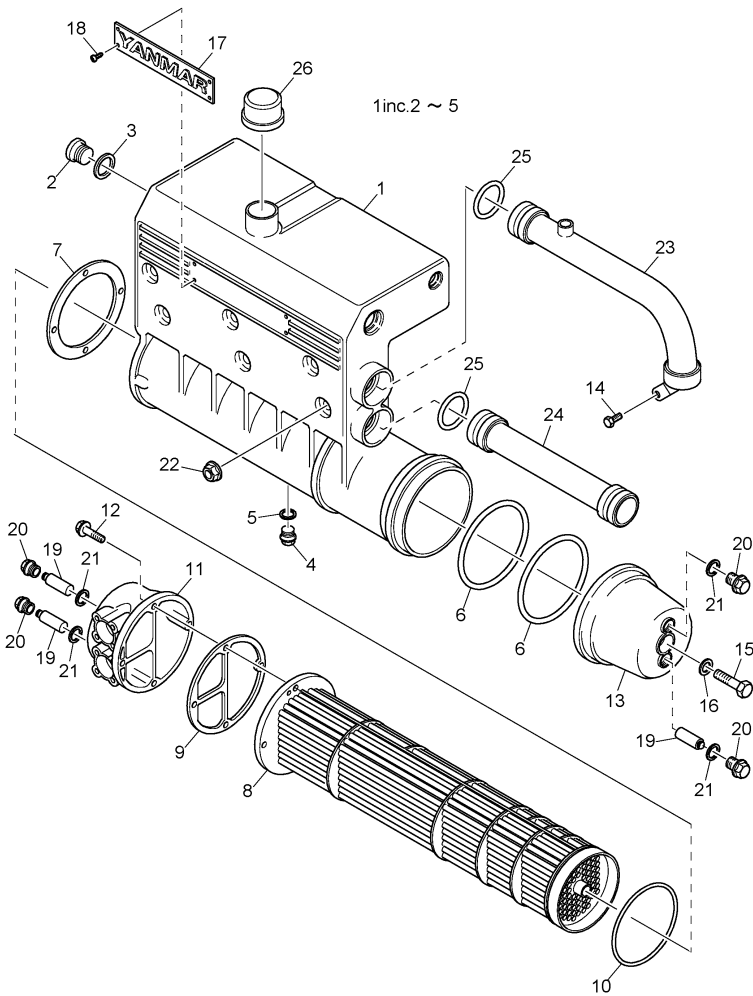
(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33960	CASE, PROTECTIVE	1							1
1A	1	165000-33970	CASE, PROTECTIVE	1							2
2	1	165000-27290	SCREW, M8X16	7							
3	1	165000-37960	WASHER	7							
4	1	165000-36140	PLATE, PROTECTIVE	1							
5	1	165000-33660	BRACKET	1							
6	1	165000-26990	SCREW, M10X40	1							
7	1	165000-37230	SLEEVE, SPACING	1							
8	1	165000-33650	BRACKET	1							
9	1	165000-27410	SCREW, M8X50	1							
10	1	165000-28780	TUBE, SPACER L=10MM	1							
11	1	165000-33670	BRACKET	2							
12	1	165000-36930	SCREW, FLANGE	2							
13	1	165000-37850	WASHER	2							

Fig.44.HEAT EXCHANGER

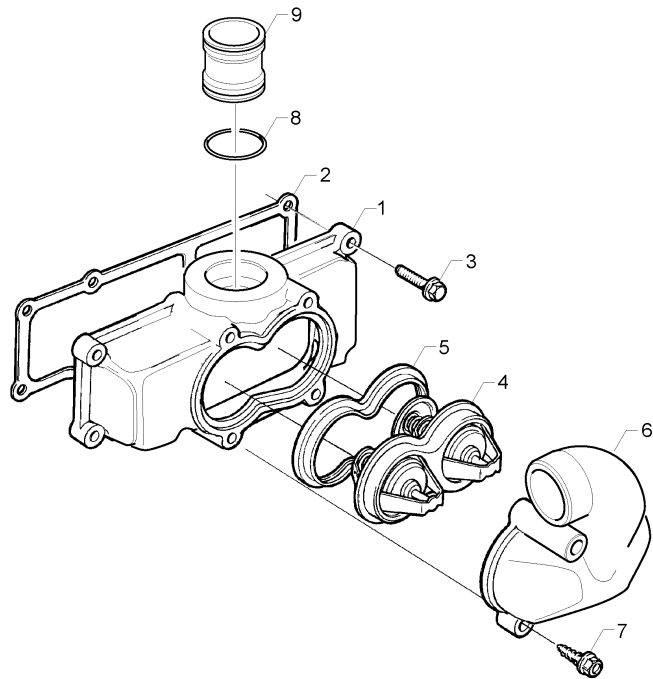
(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34410	EXCHANGER CASE, HEAT	1							
2	2	165000-36270	PLUG, SCREW	3							
3	2	165000-34660	GASKET	3							
4	2	165000-36220	PLUG, SCREW	2							
5	2	165000-25560	GASKET, 10.2X13.4	2							
5	1	165000-30910	PLUG, M12X1.5X9	1							1
5	1	165000-27770	SEAL	1							1
6	1	165000-35620	O-RING	2							
7	1	165000-34680	GASKET	1							
8	1	165000-34150	CORE, COOLER	1							
9	1	165000-34690	GASKET	1							
10	1	165000-35650	O-RING	1							
11	1	165000-34190	COVER	1							
12	1	165000-26990	SCREW, M10X40	5							
13	1	165000-34180	COVER	1							
14	1	165000-27220	SCREW, M6X14	1							
15	1	165000-36820	SCREW	1							
16	1	165000-24700	O-RING, 9X3	1							
17	1	165000-36110	PLATE	1							
18	1	165000-36720	SCREW	4							
19	1	165000-33440	ANODE, SACRIFICIAL	3							
20	1	165000-31370	PLUG	4							
21	1	165000-27920	RING, SEAL	4							
22	1	165000-28870	NUT, FLANGE M10	6							
23	1	165000-35750	PIPE	1							2
23	1	165000-49150	PIPE	1							1
24	1	165000-35720	PIPE	1							
25	1	165000-35610	O-RING	4							
26	1	165000-26090	CAP, PRESSURE	1							

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

Fig.45.THERMOSTAT HOUSING



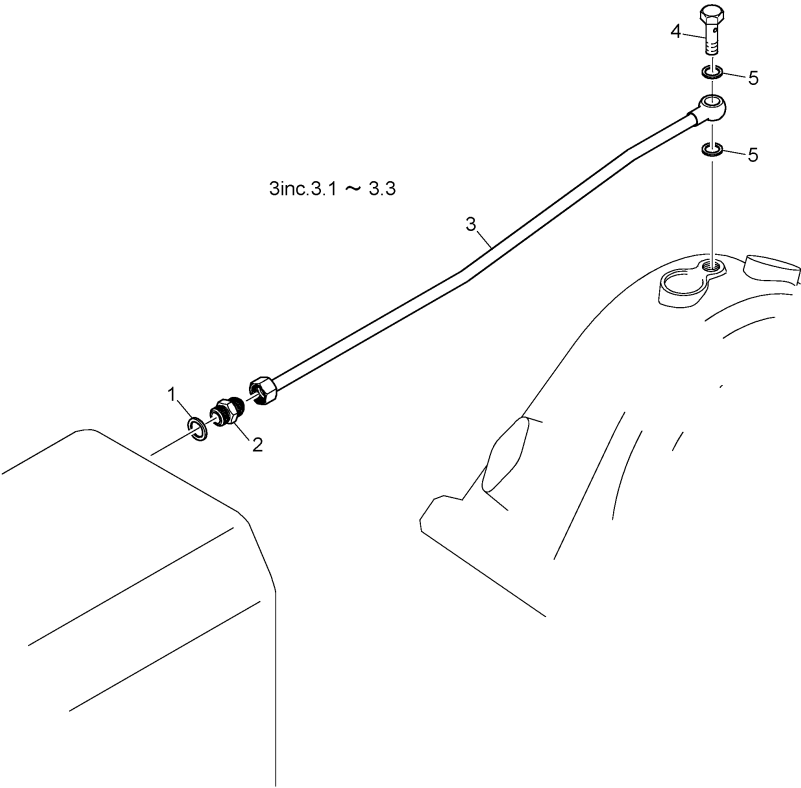
Y00R5770 45.THERMOSTAT HOUSING

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

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

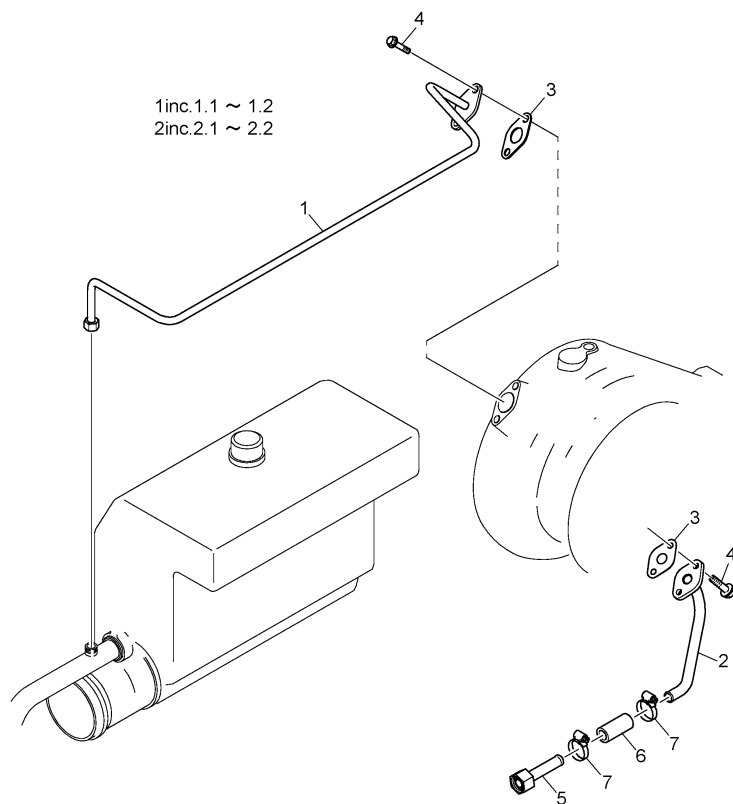
This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

Fig.47.BLEED PIPE,W-COOLED TURBINE



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-27770	SEAL	1							
2	1	165000-37700	UNION, STRAIGHT	1							
3	1	165000-35820	PIPE ASSY	1							
3.1	2	165000-32510	NUT, UNION	1							
3.2	2	165000-26150	FERRULE, 6	1							
3.3	2	165000-37650	UNION, BANJO	1							
4	1	165000-26810	SCREW, BANJO	1							
5	1	165000-27810	SEAL	2							



Remarks
(1)UNIT OF METER

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

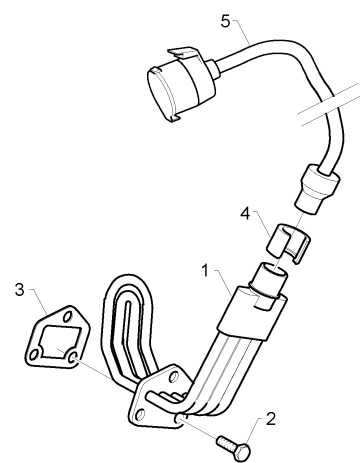
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY -----						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35780	PIPE	1							
1.1	2	165000-35590	NUT, UNION	1							
1.2	2	165000-34450	FERRULE	1							
2	1	165000-49210	PIPE, WATER	1							
2.1	2	165000-35590	NUT, UNION	1							
2.2	2	165000-34450	FERRULE	1							
3	1	165000-34860	GASKET	2							
4	1	165000-27300	SCREW, M8X20	4							
5	1	165000-49220	PIPE, WATER	1							
6	1	165000-35120	HOSE	999							1
7	1	165000-34090	CLIP, HOSE	2							



Remarks
(1) REQUIRE

REF.	LEV.	PART'S NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1		REFER TO Fig.19.	1							
2	1	165000-24560	O-RING, 22X3	999							1
3	1	165000-35800	PIPE	1							
4	1	165000-34880	GASKET	1							
5	1	165000-35260	HOUSING, THERMOSTAT	1							
6	1	165000-27330	SCREW, M8X25	4							
7	1	165000-33910	CASE	1							
8	1	165000-27330	SCREW, M8X25	2							
9	1	165000-27620	THERMOSTAT	1							
10	1	165000-25530	GASKET	1							
11	1	165000-35830	PIPE	1							
12	1	165000-35840	PIPE	1							
13	1	165000-48980	GASKET	1							
14	1	165000-35600	O-RING	1							
15	1	165000-27300	SCREW, M8X20	2							
16	1	165000-34010	CLAMP	4							
17	1	165000-36740	SCREW	2							
18	1	165000-29010	NUT, FLANGE M6	2							
19	1	165000-37520	TUBE	1							

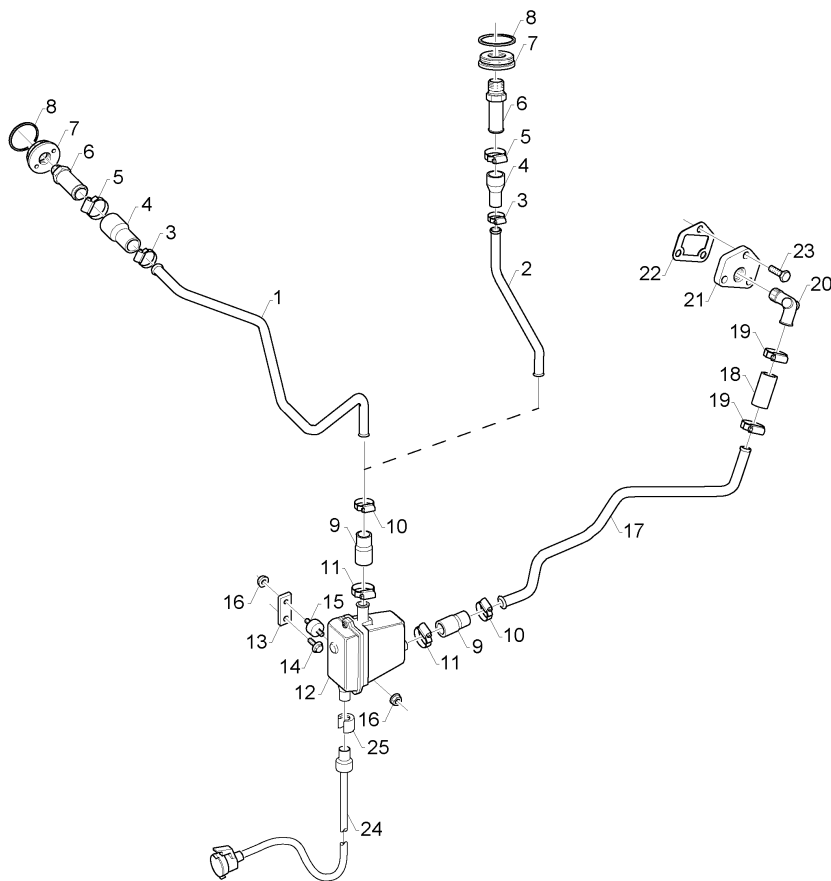
Fig.50.AUX HEATER, 1100W (OPTION)



113143

Remarks
(1)L=750MM
(2)L=5,000MM

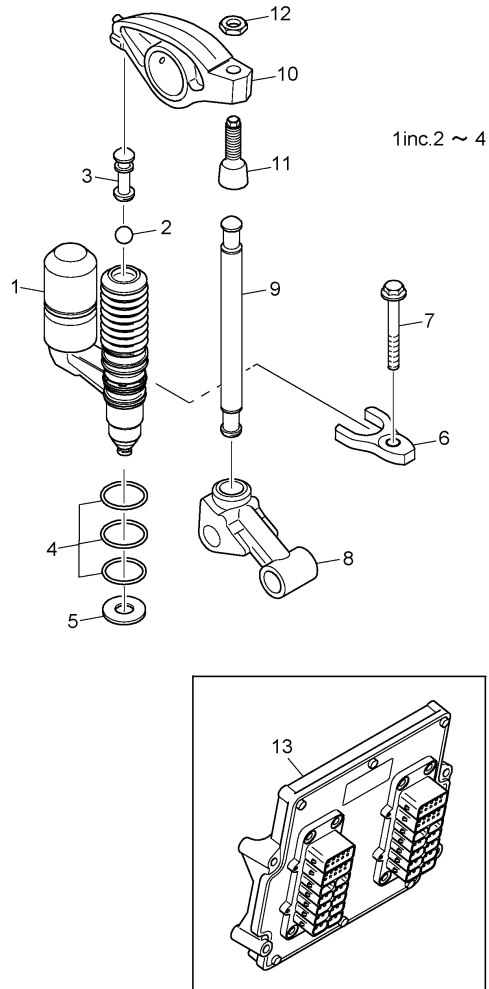
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35110	HEATER, AUXILIARY	1							
2	1	165000-37050	SCREW, SELF-TAPPING	3							
3	1	165000-25190	GASKET	1							
4	1	165000-48890	CLIP	1							
5	1	165000-33830	CABLE, INPUT	1							1
5	1	165000-33820	CABLE, CONNECTION	1							2



(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-37540	TUBE KEEL COOLING	1							
2	1	165000-37550	TUBE HEAT EXCHNGER	1							
3	1	165000-34090	CLIP, HOSE	1							
4	1	165000-35130	HOSE	1							
5	1	165000-31830	CLIP, HOSE	1							
6	1	165000-37670	UNION, HOSE	1							
6	1	165000-37090	SEAL	1							
7	1	165000-36260	PLUG, SCREW	1							
8	1	165000-34660	GASKET	1							
9	1	165000-35130	HOSE	2							
10	1	165000-34090	CLIP, HOSE	2							
11	1	165000-31830	CLIP, HOSE	2							
12	1	165000-30410	HEATER, 500W	1							
12A	1	165000-30400	HEATER, 1500W	1							
13	1	165000-33680	BRACKET	1							
14	1	165000-36760	SCREW	1							
15	1	165000-24820	ISOLATOR, VIBRATION	2							
16	1	165000-29040	NUT, FLANGE M8	2							
17	1	165000-37510	TUBE	1							
18	1	165000-35120	HOSE	1							
19	1	165000-34090	CLIP, HOSE	2							
20	1	165000-37660	UNION, ELBOW	1							
20	1	165000-28780	TUBE, SPACER L=10MM	1							
21	1	165000-34170	COVER	1							
22	1	165000-25190	GASKET	1							
23	1	165000-37050	SCREW, SELF-TAPPING	3							
24	1	165000-26400	CABLE, INPUT L=2000	1							
25	1	165000-48890	CLIP	1							

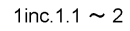
Fig.52.UNIT INJECTOR



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

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-24880	INJECTOR, UNIT	6						
2	2		BALL	6						
3	2		PUSHROD	6						
4	2	165000-24490	O-RING KIT	6						
	1	165000-26300	GREASE	1						
5	1	165000-25200	GASKET	6						
6	1	165000-26230	CLAMP	6						
7	1	165000-27520	SCREW, FLANGE	6						
8	1		REFER TO Fig.13.	1						
9	1		REFER TO Fig.13.	1						
10	1		REFER TO Fig.10.	1						
11	1		REFER TO Fig.10.	1						
12	1		REFER TO Fig.10.	1						
13	1		REFER TO Fig.70.	1						



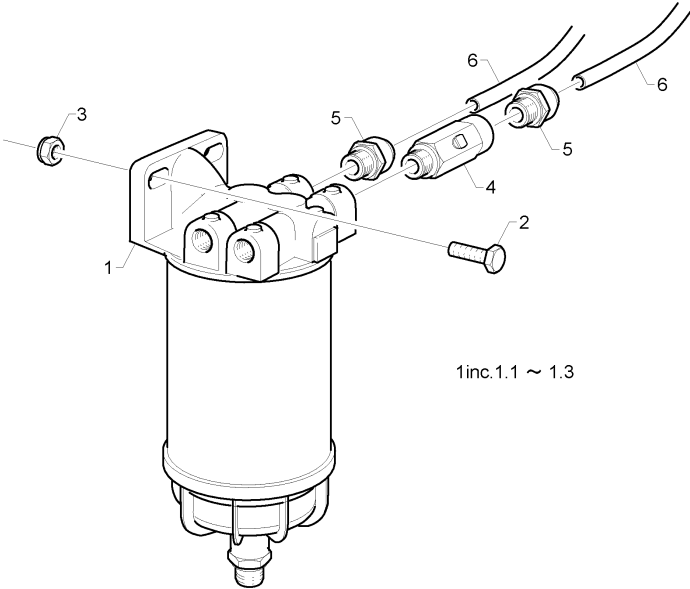
(D)=
(E)=
(F)=

[illegible]



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	165000-31570	HEAD, FILTER	1						
2	1	165000-34500	FILTER, FUEL	1						
3	1	165000-27360	SCREW, M8X30	2						

Fig.55.WATER SEPARATOR



1inc.1.1 ~ 1.3

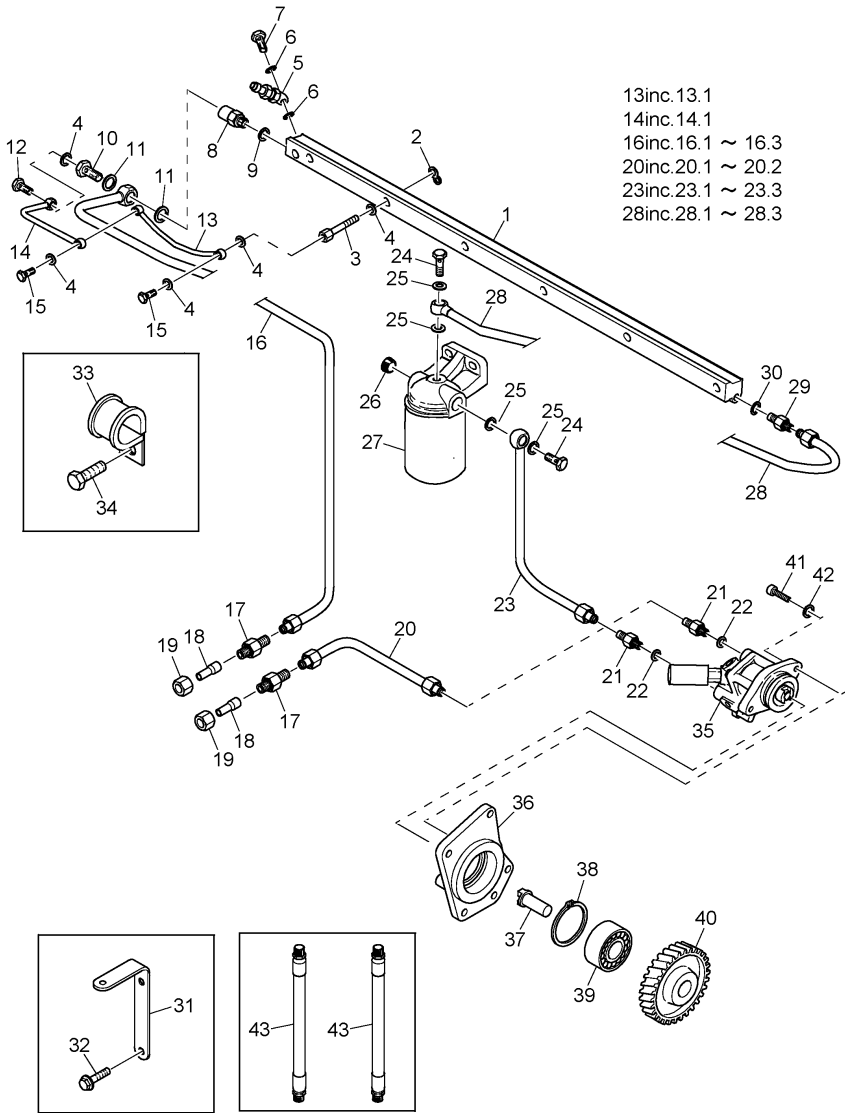
109168

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-30600	FILTER ASSY, UNIT	1							
1.1	2	165000-25000	ELEMENT, FILTER	1							
1.2	2	165000-31560	HEAD, FILTER	1							
1.3	2	165000-31880	BOWL	1							
2	1	165000-26960	SCREW, M10X40	2							
3	1	165000-32840	NUT, LOCK M10	2							
4	1	165000-28510	TAP, DRAIN	1							
4	1	165000-25590	GASKET, 16.5X19.9	1							
5	1	165000-26490	CONNECTOR, INSEAT	2							
6	1	165000-29220	PIPE, 12X1.5	999							1
6	1	165000-28310	SLEEVE, INSERT	2							
6	1	165000-26130	FERRULE, 12	2							
6	1	165000-32490	NUT, UNION	2							

Remarks
(1)UNIT OF METER

Fig.56.FUEL MANIFOLD, LH(-E/#6510528)



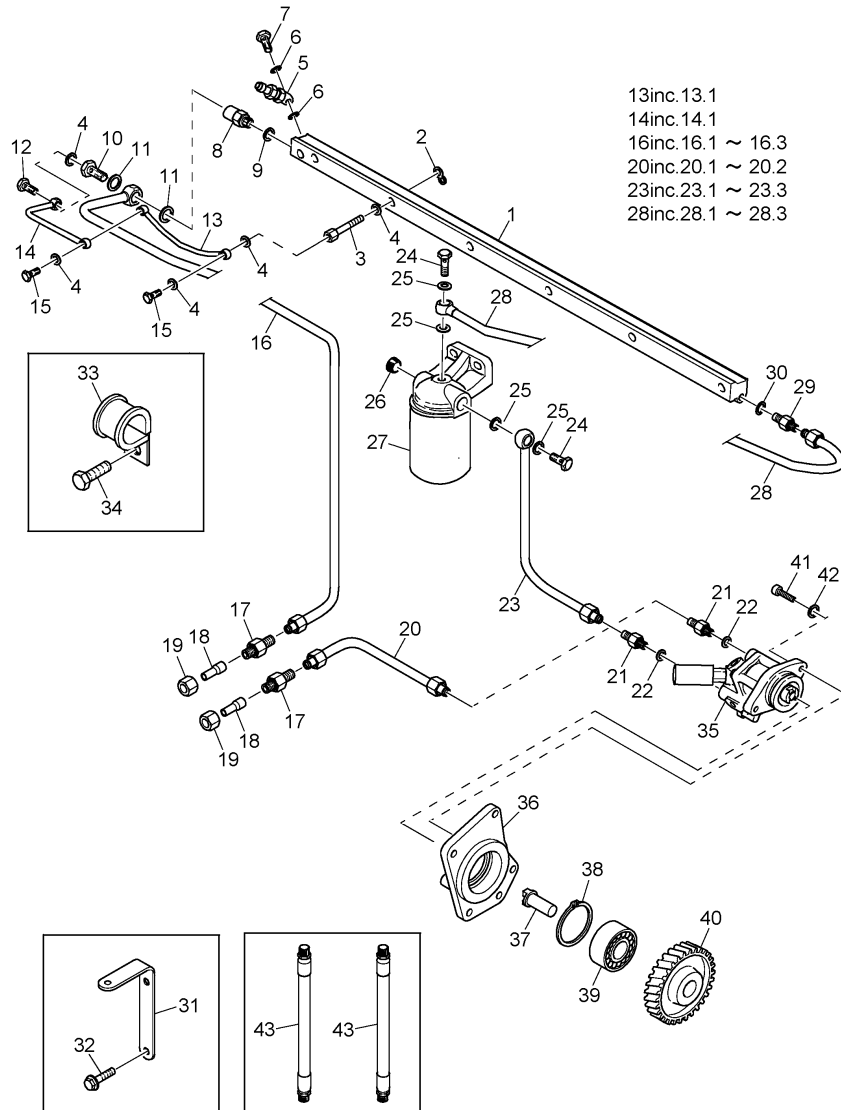
(A)=6SY-STP
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35410	MANIFOLD, FUEL	1							
2	1	165000-25170	GASKET	6							
3	1	165000-36900	SCREW, BANJO	6							
4	1	165000-27800	SEAL	25							
5	1	165000-29100	NIPPLE, BLEEDER	1							
6	1	165000-27810	SEAL	2							
7	1	165000-26880	SCREW, M10X1	1							
8	1	165000-30280	VALVE, OVERFLOW	1							
9	1	165000-27780	SEAL	1							
10	1	165000-26830	SCREW, BANJO	1							
11	1	165000-27820	SEAL	2							
12	1	165000-26840	SCREW, BANJO	1							
13	1	165000-36020	PIPE, FUEL	5							
13.1	2	165000-37610	UNION	10							
14	1	165000-36030	PIPE, FUEL	1							
14.1	2	165000-37610	UNION	2							
15	1	165000-36880	SCREW, BANJO	5							
15.1	1	165000-26840	SCREW, BANJO	1							
16	1	165000-35990	PIPE, FUEL	1							
16.1	2	165000-32260	UNION, BANJO	1							
16.2	2	165000-32490	NUT, UNION	1							
16.3	2	165000-26130	FERRULE, 12	1							
17	1	165000-37710	UNION, STRAIGHT	2							
18	1	165000-37680	UNION, HOSE	2							
19	1	165000-32490	NUT, UNION	2							
20	1	165000-35960	PIPE, FUEL	1							
20.1	2	165000-32490	NUT, UNION	2							
20.2	2	165000-26130	FERRULE, 12	2							
21	1	165000-37730	UNION, STRAIGHT	2							
22	1	165000-37080	SEAL	2							
23	1	165000-35970	PIPE, FUEL	1							
23.1	2	165000-32260	UNION, BANJO	1							
23.2	2	165000-32490	NUT, UNION	1							
23.3	2	165000-26130	FERRULE, 12	1							
24	1	165000-27140	SCREW, M16X1.5	2							
25	1	165000-27820	SEAL	4							
26	1	165000-36250	PLUG, SCREW	1							
27	1		REFER TO Fig.54.	1							
28	1	165000-35980	PIPE, FUEL	1							
28.1	2	165000-32260	UNION, BANJO	1							
28.2	2	165000-32490	NUT, UNION	1							
28.3	2	165000-26130	FERRULE, 12	1							
29	1	165000-37770	UNION, STRAIGHT	1							
30	1	165000-37080	SEAL	1							
31	1	165000-33740	BRACKET	1							
32	1	165000-36760	SCREW	2							
33	1	165000-26190	CLAMP, DIPSTICK F	2							
34	1	165000-27360	SCREW, M8X30	2							
35	1	165000-36170	PLATE, SEPARATOR	2							
36	1		REFER TO Fig.53.	1							
37	1	165000-34540	FLANGE	1							
38	1	165000-27700	SHAFT	1							
39	1	165000-32720	RING, RETANING	1							
40	1	165000-31920	BEARING, BALL	1							

++ CONTINUE ++

Fig.56.FUEL MANIFOLD, LH(-E/#6510528)

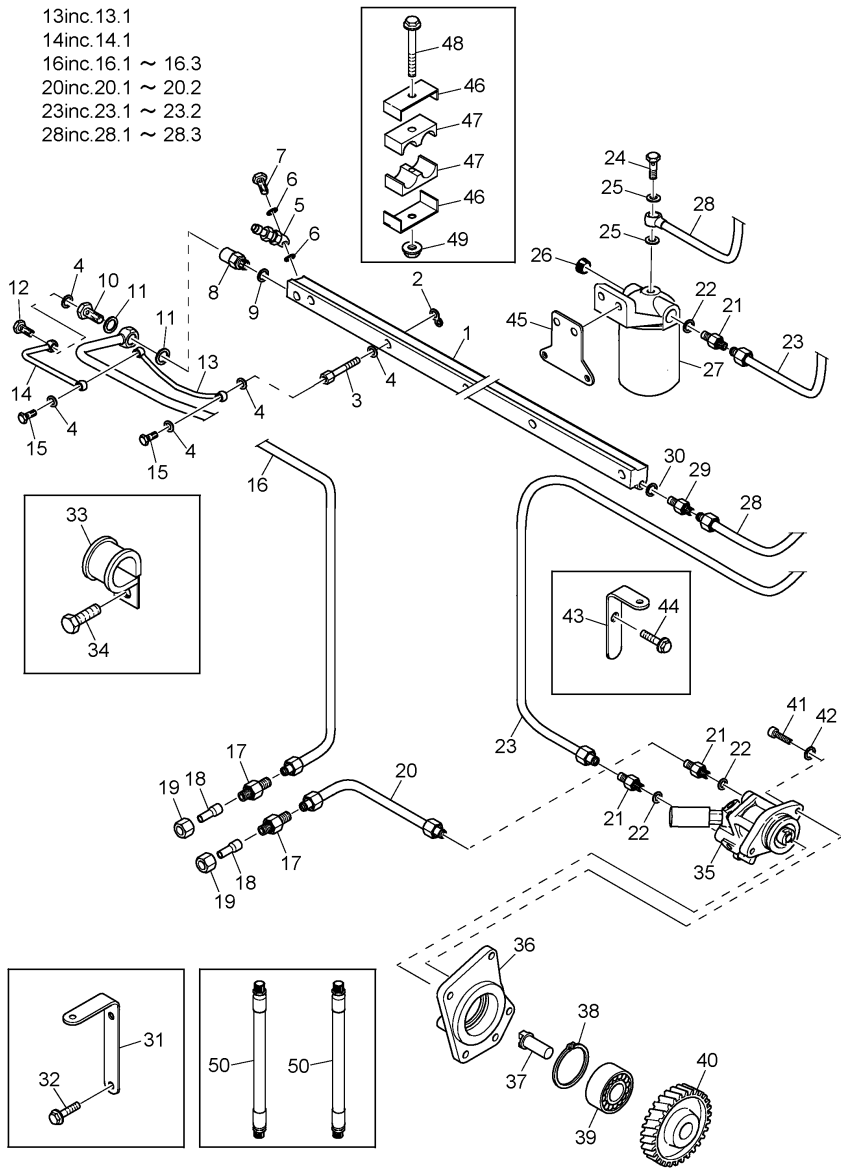


(A)=6SY-STP
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
40	1	165000-34950	GEAR	1							
41	1	165000-27370	SCREW, M8X30	2							
42	1	165000-33150	WASHER, 6.4X12	2							
43	1	165000-49050	HOSE	2							

Fig.57.FUEL MANIFOLD, RH(-E/#6510528)



132871

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

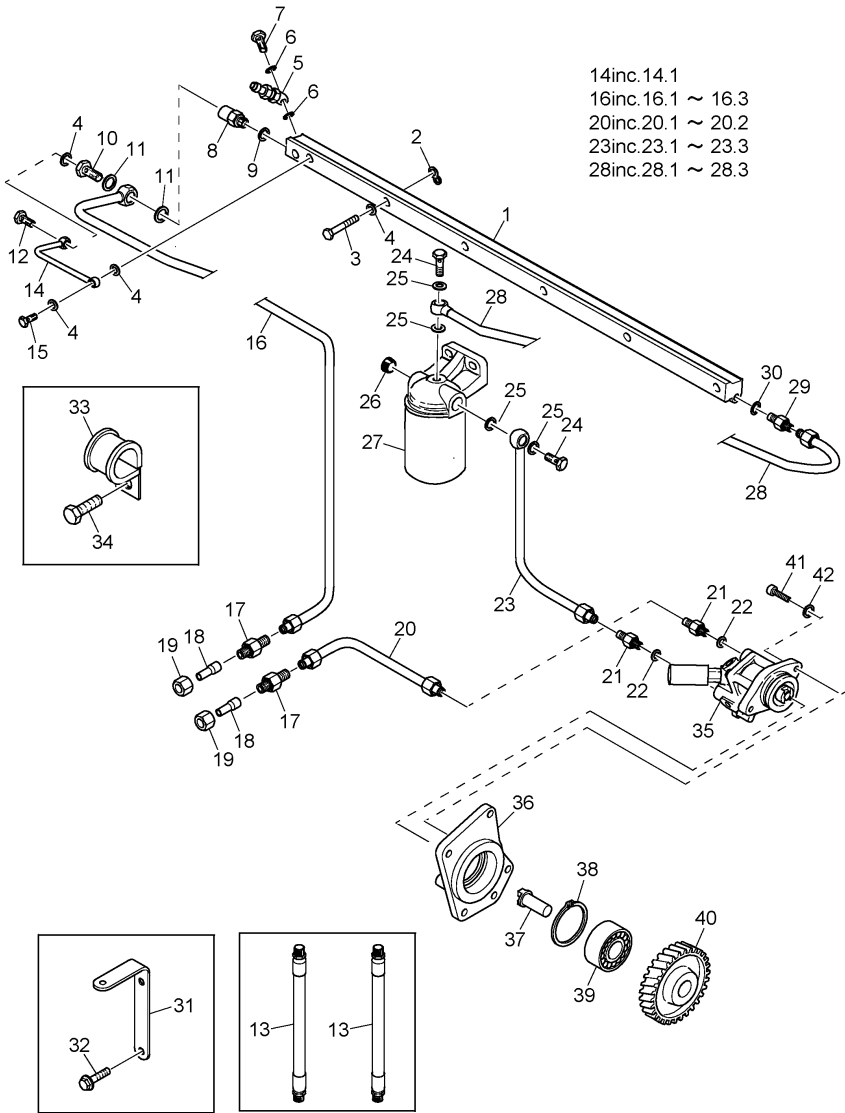
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35410	MANIFOLD, FUEL	1							
2	1	165000-25170	GASKET	6							
3	1	165000-36900	SCREW, BANJO	6							
4	1	165000-27800	SEAL	25							
5	1	165000-29100	NIPPLE, BLEEDER	1							
6	1	165000-27810	SEAL	2							
7	1	165000-26880	SCREW, M10X1	1							
8	1	165000-30280	VALVE, OVERFLOW	1							
9	1	165000-27780	SEAL	1							
10	1	165000-26830	SCREW, BANJO	1							
11	1	165000-27820	SEAL	2							
12	1	165000-26840	SCREW, BANJO	1							
13	1	165000-36020	PIPE, FUEL	5							
13.1	2	165000-37610	UNION	10							
14	1	165000-36030	PIPE, FUEL	1							
14.1	2	165000-37610	UNION	2							
15	1	165000-36880	SCREW, BANJO	5							
15	1	165000-26840	SCREW, BANJO	1							
16	1	165000-35990	PIPE, FUEL	1							
16.1	2	165000-32260	UNION, BANJO	1							
16.2	2	165000-32490	NUT, UNION	1							
16.3	2	165000-26130	FERRULE, 12	1							
17	1	165000-37710	UNION, STRAIGHT	2							
18	1	165000-37680	UNION, HOSE	2							
19	1	165000-32490	NUT, UNION	2							
20	1	165000-35960	PIPE, FUEL	1							
20.1	2	165000-32490	NUT, UNION	2							
20.2	2	165000-26130	FERRULE, 12	2							
21	1	165000-37730	UNION, STRAIGHT	3							
22	1	165000-37080	SEAL	3							
23	1	165000-36000	PIPE, FUEL	1							
23.1	2	165000-32490	NUT, UNION	2							
23.2	2	165000-26130	FERRULE, 12	2							
24	1	165000-27140	SCREW, M16X1.5	1							
25	1	165000-27820	SEAL	2							
26	1	165000-36250	PLUG, SCREW	1							
27	1		REFER TO Fig.54.	1							
28	1	165000-36010	PIPE, FUEL	1							
28.1	2	165000-32260	UNION, BANJO	1							
28.2	2	165000-32490	NUT, UNION	1							
28.3	2	165000-26130	FERRULE, 12	1							
29	1	165000-37770	UNION, STRAIGHT	1							
30	1	165000-37080	SEAL	1							
31	1	165000-33740	BRACKET	1							
32	1	165000-36760	SCREW	2							
33	1	165000-26190	CLAMP, DIPSTICK F	3							
34	1	165000-27360	SCREW, M8X30	3							
34	1	165000-36170	PLATE, SEPARATOR	3							
35	1		REFER TO Fig.53.	1							
36	1	165000-34540	FLANGE	1							
37	1	165000-27700	SHAFT	1							
38	1	165000-32720	RING, RETANING	1							
39	1	165000-31920	BEARING, BALL	1							
40	1	165000-34950	GEAR	1							

++ CONTINUE ++

[illegible]

Fig.58.FUEL MANIFOLD, LH(E/#6510529-)



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49100	MANIFOLD, FUEL	1							
2	1	165000-25170	GASKET	6							
3	1	165000-49430	SCREW, BANJO	6							
4	1	165000-27800	SEAL	10							
5	1	165000-29100	NIPPLE, BLEEDER	1							
6	1	165000-27810	SEAL	2							
7	1	165000-26880	SCREW, M10X1	1							
8	1	165000-30280	VALVE, OVERFLOW	1							
9	1	165000-27780	SEAL	1							
10	1	165000-26830	SCREW, BANJO	1							
11	1	165000-27820	SEAL	2							
12	1	165000-26840	SCREW, BANJO	1							
13	1	165000-49050	HOSE	2							
14	1	165000-49180	PIPE, FUEL	1							
14.1	2	165000-37610	UNION	2							
15	1	165000-26840	SCREW, BANJO	1							
16	1	165000-35990	PIPE, FUEL	1							
16.1	2	165000-32260	UNION, BANJO	1							
16.2	2	165000-32490	NUT, UNION	1							
16.3	2	165000-26130	FERRULE, 12	1							
17	1	165000-37710	UNION, STRAIGHT	2							
18	1	165000-37680	UNION, HOSE	2							
19	1	165000-32490	NUT, UNION	2							
20	1	165000-35960	PIPE, FUEL	1							
20.1	2	165000-32490	NUT, UNION	2							
20.2	2	165000-26130	FERRULE, 12	2							
21	1	165000-37730	UNION, STRAIGHT	2							
22	1	165000-37080	SEAL	2							
23	1	165000-35970	PIPE, FUEL	1							
23.1	2	165000-32260	UNION, BANJO	1							
23.2	2	165000-32490	NUT, UNION	1							
23.3	2	165000-26130	FERRULE, 12	1							
24	1	165000-27140	SCREW, M16X1.5	2							
25	1	165000-27820	SEAL	4							
26	1	165000-36250	PLUG, SCREW	1							
27	1		REFER TO Fig.54.	1							
28	1	165000-35980	PIPE, FUEL	1							
28.1	2	165000-32260	UNION, BANJO	1							
28.2	2	165000-32490	NUT, UNION	1							
28.3	2	165000-26130	FERRULE, 12	1							
29	1	165000-37770	UNION, STRAIGHT	1							
30	1	165000-37080	SEAL	1							
31	1	165000-33740	BRACKET	1							
32	1	165000-36760	SCREW	2							
33	1	165000-26190	CLAMP, DIPSTICK F	2							
34	1	165000-27360	SCREW, M8X30	2							
34	1	165000-36170	PLATE, SEPARATOR	2							
35	1		REFER TO Fig.53.	1							
36	1	165000-34540	FLANGE	1							
37	1	165000-27700	SHAFT	1							
38	1	165000-32720	RING, RETANING	1							
39	1	165000-31920	BEARING, BALL	1							
40	1	165000-34950	GEAR	1							
41	1	165000-27370	SCREW, M8X30	2							

++ CONTINUE ++

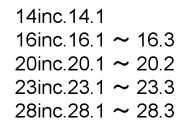
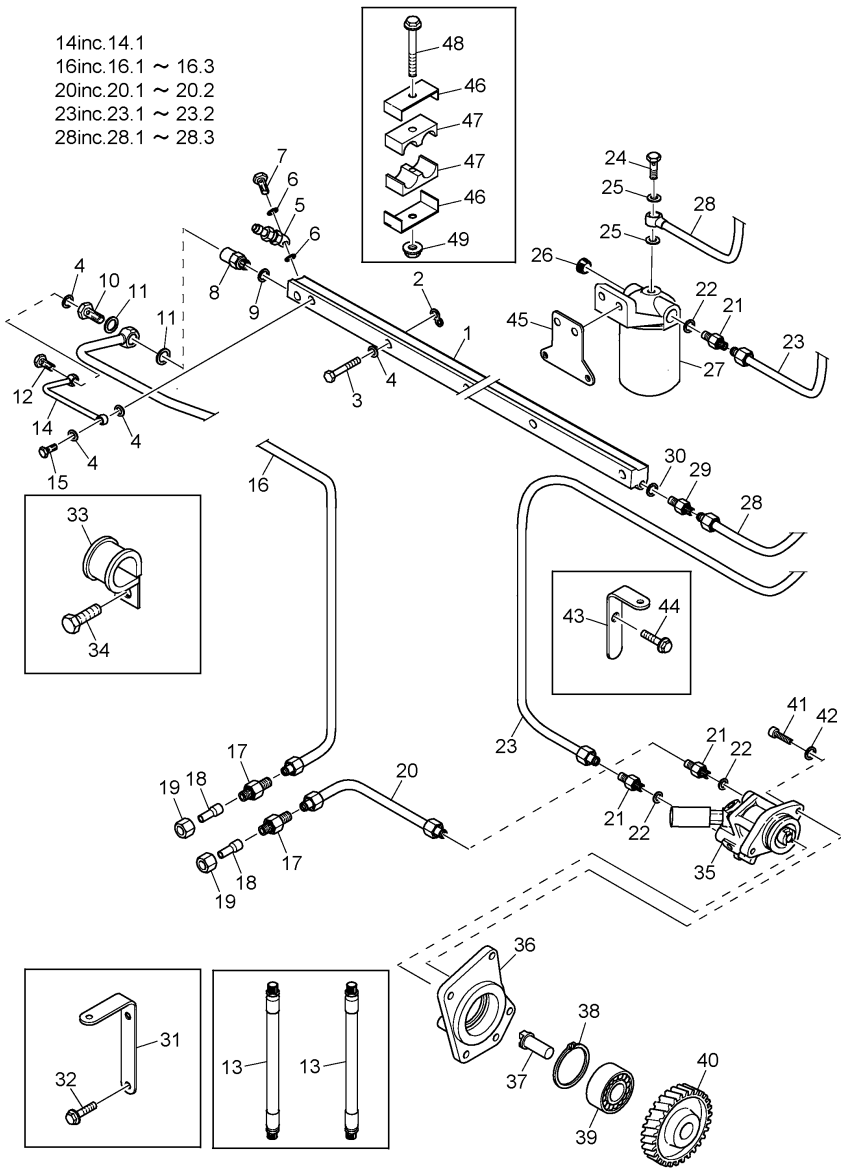
[illegible]

Fig.59.FUEL MANIFOLD, RH(E/#6510529-)



136355

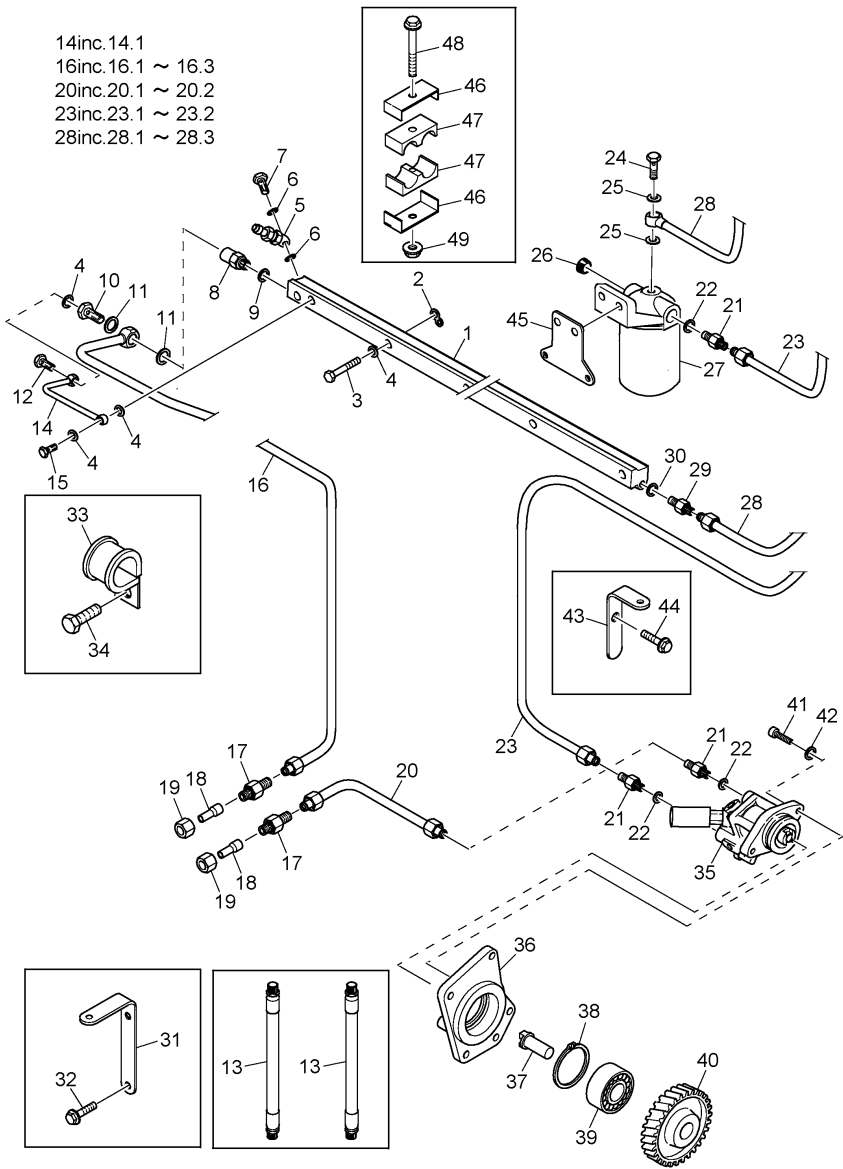
(A)=6SY-STP
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-49100	MANIFOLD, FUEL	1							
2	1	165000-25170	GASKET	6							
3	1	165000-49430	SCREW, BANJO	6							
4	1	165000-27800	SEAL	10							
5	1	165000-29100	NIPPLE, BLEEDER	1							
6	1	165000-27810	SEAL	2							
7	1	165000-26880	SCREW, M10X1	1							
8	1	165000-30280	VALVE, OVERFLOW	1							
9	1	165000-27780	SEAL	1							
10	1	165000-26830	SCREW, BANJO	1							
11	1	165000-27820	SEAL	2							
12	1	165000-26840	SCREW, BANJO	1							
13	1	165000-49050	HOSE	2							
14	1	165000-49180	PIPE, FUEL	1							
14.1	2	165000-37610	UNION	2							
15	1	165000-26840	SCREW, BANJO	1							
16	1	165000-35990	PIPE, FUEL	1							
16.1	2	165000-32260	UNION, BANJO	1							
16.2	2	165000-32490	NUT, UNION	1							
16.3	2	165000-26130	FERRULE, 12	1							
17	1	165000-37710	UNION, STRAIGHT	2							
18	1	165000-37680	UNION, HOSE	2							
19	1	165000-32490	NUT, UNION	2							
20	1	165000-35960	PIPE, FUEL	1							
20.1	2	165000-32490	NUT, UNION	2							
20.2	2	165000-26130	FERRULE, 12	2							
21	1	165000-37730	UNION, STRAIGHT	3							
22	1	165000-37080	SEAL	3							
23	1	165000-36000	PIPE, FUEL	1							
23.1	2	165000-32490	NUT, UNION	2							
23.2	2	165000-26130	FERRULE, 12	2							
24	1	165000-27140	SCREW, M16X1.5	1							
25	1	165000-27820	SEAL	2							
26	1	165000-36250	PLUG, SCREW	1							
27	1		REFER TO Fig.54.	1							
28	1	165000-36010	PIPE, FUEL	1							
28.1	2	165000-32260	UNION, BANJO	1							
28.2	2	165000-32490	NUT, UNION	1							
28.3	2	165000-26130	FERRULE, 12	1							
29	1	165000-37770	UNION, STRAIGHT	1							
30	1	165000-37080	SEAL	1							
31	1	165000-33740	BRACKET	1							
32	1	165000-36760	SCREW	2							
33	1	165000-26190	CLAMP, DIPSTICK F	3							
34	1	165000-27360	SCREW, M8X30	3							
34	1	165000-36170	PLATE, SEPARATOR	3							
35	1		REFER TO Fig.53.	1							
36	1	165000-34540	FLANGE	1							
37	1	165000-27700	SHAFT	1							
38	1	165000-32720	RING, RETANING	1							
39	1	165000-31920	BEARING, BALL	1							
40	1	165000-34950	GEAR	1							
41	1	165000-27370	SCREW, M8X30	2							
42	1	165000-33150	WASHER, 6.4X12	2							

++ CONTINUE ++

Fig.59.FUEL MANIFOLD, RH(E/#6510529-)

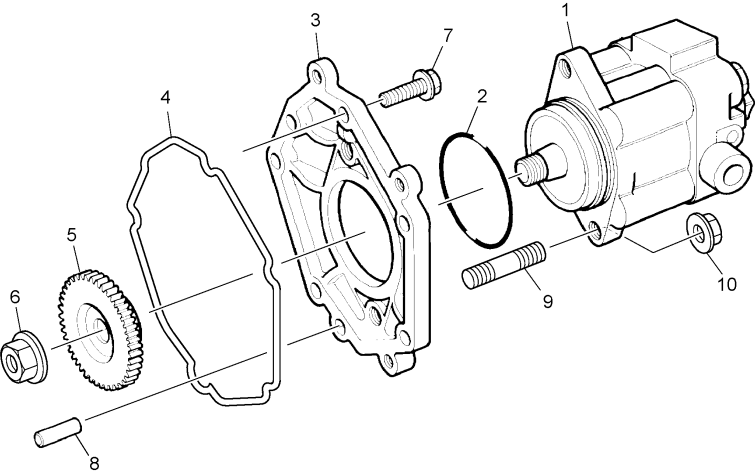


(A)=6SY-STP
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
43	1	165000-33720	BRACKET	1							
44	1	165000-27360	SCREW, M8X30	1							
45	1	165000-33750	BRACKET	1							
46	1	165000-34000	CLAMP	6							
47	1	165000-35330	ISOLATOR, VIBRATION	6							
48	1	165000-27250	SCREW, M6X30	3							
49	1	165000-29010	NUT, FLANGE M6	3							

Fig.60.HYD PUMP, MOUNTING (OPTION)



130228

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1		REFER TO Fig.61.62.	1							
1	1	165000-30810	PLUG, CORE	1							1
2	1	165000-24640	O-RING, 64.5X3	1							
3	1	165000-48950	FLANGE	1							
4	1	165000-48990	GASKET	1							
5	1	165000-49010	GEAR	1							
6	1	165000-28970	NUT, FLANGE M14X1,5	1							
7	1	165000-27330	SCREW, M8X25	5							
8	1	165000-30480	PIN, 10X25	2							
9	1	165000-49630	STUD, M10X50	2							
9	1	165000-36760	SCREW	2							1
9	1	165000-27770	SEAL	2							1
10	1	165000-28870	NUT, FLANGE M10	2							

Remarks
(1)WHEN THERE IS NO HYDRAULIC PUMP

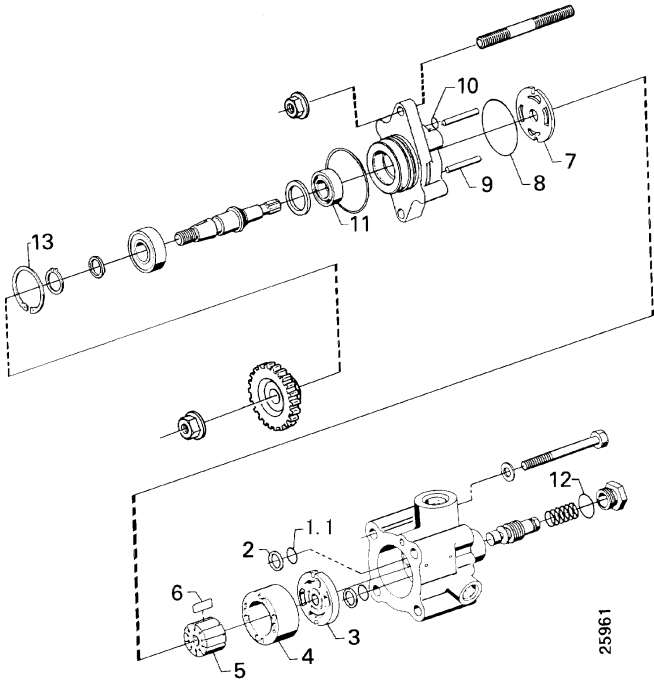


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-32120	PUMP ASSY, HYDRAULIC	1							
1.1	2		HOUSING	1							
2	2		VALVE	1							
3	2		SPRING	1							
4	2		O-RING	1							
5	2	PLUG	1								
6	2		SCREW	4							
7	2		WASHER	4							
8	2		O-RING	2							
9	2		SUPPORT RING	2							
10	2		PUMP PRESSURE PLATE	1							
11	2	RING	1								
12	2		ROTOR	1							
13	2		VANE	10							
14	2		PLATE	1							
15	2		O-RING	1							
16	2		CYL. PIN	2							
17	2	O-RING	1								
18	2		FLANGE	1							
19	2		SEALING RING	1							
20	2		SPACER	1							
21	2		SHAFT	1							
22	2		BALL BEARING	1							
23	2	SPACER	1								
24	2		SNAP RING	1							
25	2		SNAP RING	1							
26	1		165000-24640	O-RING, 64.5X3	1						
27	1		165000-49010	GEAR	1						
28	1		165000-28970	NUT, FLANGE M14X1,5	1						
29	1	165000-49630	STUD, M10X50	2							
30	1	165000-28870	NUT, FLANGE M10	2							



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-32150	PUMP ASSY, HYDRAULIC	1							
1.1	2		HOUSING	1							
2	2		VALVE	1							
3	2		SPRING	1							
4	2		O-RING	1							
5	2	PLUG	1								
6	2	165000-32150	SCREW	4							
7	2		WASHER	4							
8	2		O-RING	2							
9	2		SUPPORT RING	2							
10	2		PUMP PRESSURE PLATE	1							
11	2	RING	1								
12	2	165000-32150	ROTOR	1							
13	2		VANE	10							
14	2		PLATE	1							
15	2		O-RING	1							
16	2		CYL. PIN	2							
17	2	O-RING	1								
18	2	165000-32150	FLANGE	1							
19	2		SEALING RING	1							
20	2		SPACER	1							
21	2		SHAFT	1							
22	2		BALL BEARING	1							
23	2	SPACER	1								
24	2	165000-32150	SNAP RING	1							
25	2		SNAP RING	1							
26	1		165000-24640	O-RING, 64.5X3	1						
27	1		165000-49010	GEAR	1						
28	1		165000-28970	NUT, FLANGE M14X1,5	1						
29	1	165000-49630	STUD, M10X50	2							
30	1	165000-28870	NUT, FLANGE M10	2							

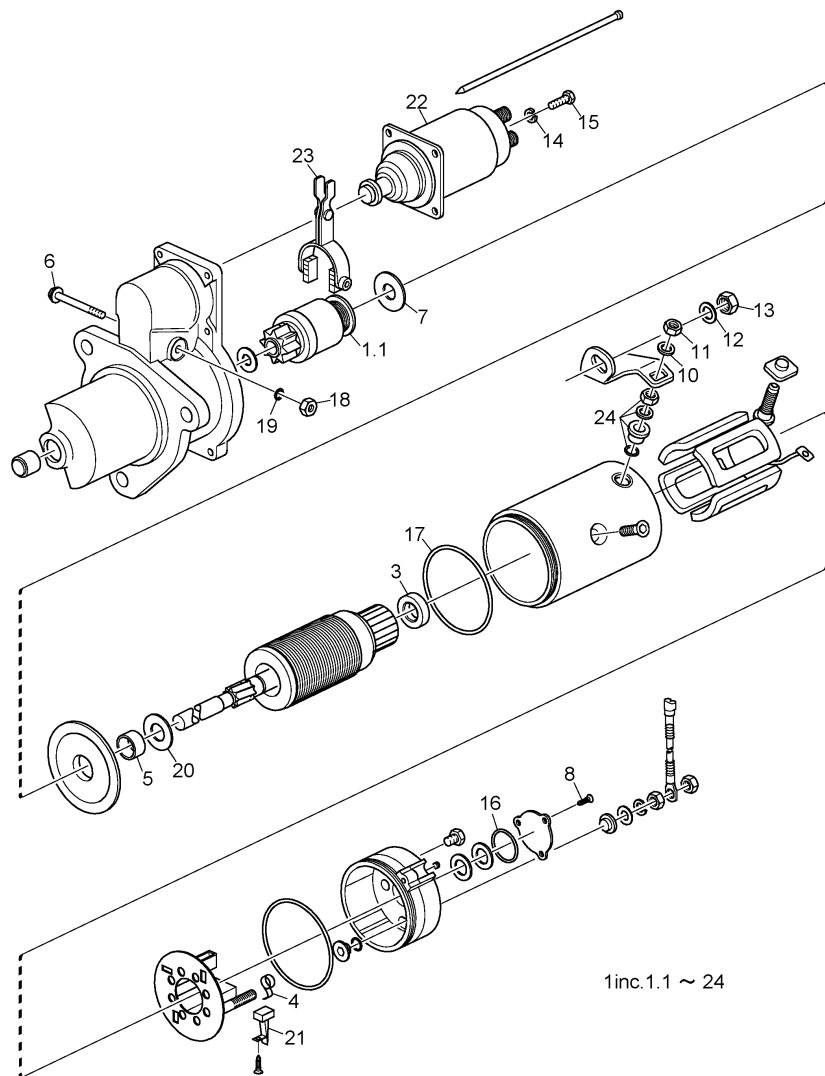
Fig.63.REPAIR KIT



Remarks
(1)INC.1.1-10
(2)INC.1.1,2,8,10-13

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-24870	INSERT	1							1
1	1	165000-27880	SEAL KIT	1							2
1.1	2		O-RING	2							
2	2		SUPPORT RING	2							
3	2		PUMP PRESSURE PLATE	1							
4	2		RING	1							
5	2		ROTOR	1							
6	2		VANE	10							
7	2		PLATE	1							
8	2		O-RING	1							
9	2		CYL. PIN	2							
10	2		O-RING	1							
11	2		SEALING RING	1							
12	2		O-RING	1							
13	2		SNAP RING	1							

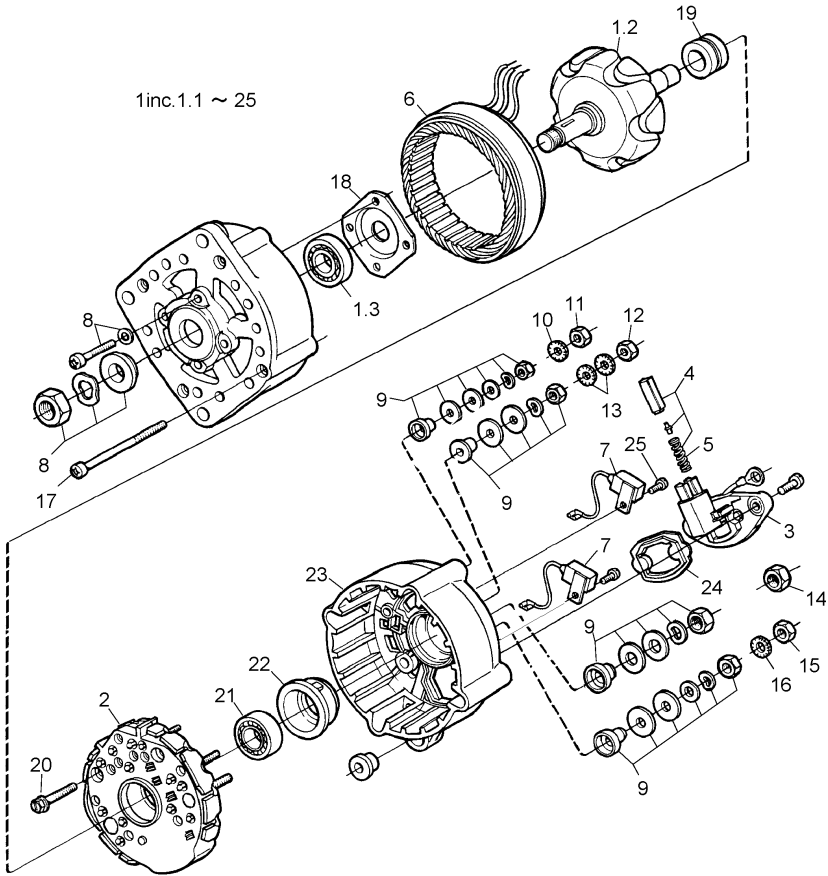


REF.	LEV.	PARTS NO.	DESCRIPTION	(A)=6SY-STP (B)= (C)=		(D)= (E)= (F)=		I	R
				(A)	(B)	(C)	(D)		
1	1	165000-29830	STARTER ASSY	1					
1.1	2	165000-30440	PINION, STARTER	1					
2	2	165000-29110	BEARING, NEEDLE	1					
3	2	165000-31950	BEARING, BALL	1					
4	2	165000-28170	SPRING, COMPRESSION	4					
5	2	165000-29120	BRARING, NEEDLE	1					
6	2	165000-26770	SCREW	1					
7	2	165000-33010	WASHER	1					
8	2	165000-26710	SCREW	3					
9	2	165000-26630	SCREW	4					
10	2	165000-33060	WASHER, 10.2	2					
11	2	165000-28900	NUT, HEXAGON M10	2					
12	2	165000-33080	WASHER, 12.2	1					
13	2	165000-28930	NUT, HEXAGON M12	1					
14	2	165000-33130	WASHER, 6.1	1					
15	2	165000-26740	SCREW	1					
16	2	165000-24500	O-RING	1					
17	2	165000-24440	O-RING	1					
18	2	165000-29050	NUT, HEXAGON M8	1					
19	2	165000-25390	GASKET	1					
20	2	165000-33020	WASHER	1					
21	2	165000-31220	BRUSH, CARBON	1					
22	2	165000-28000	SWITCH, SOLENOID	1					
23	2	165000-30610	FORK, SHAFT	1					
24	2	165000-32580	REPAIR KIT	1					



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1		REFER TO Fig.64.	1						
2	1	165000-28040	STUD, M12X50	3						
3	1	165000-28950	NUT, M12	3						

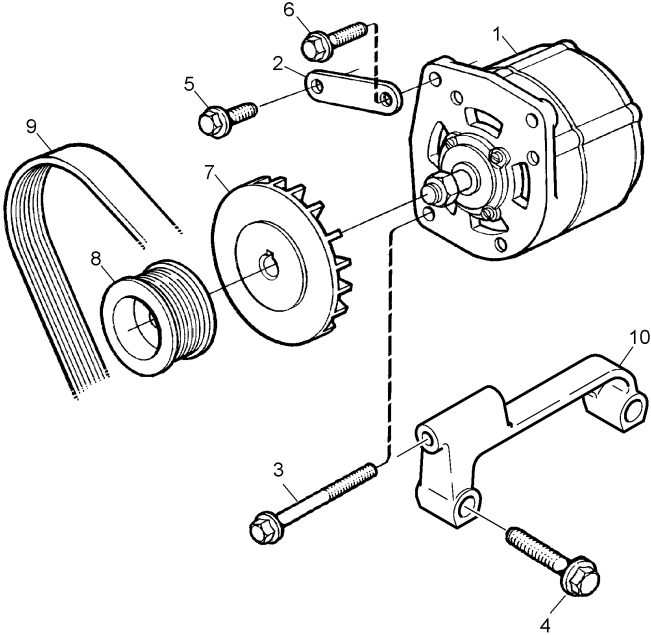
Fig.66.ALTERNATOR NI-28V20/65A 2-POL



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-33380	ALTERNATOR ASSY	1							
1.1	2	165000-49560	SHELLD, BEARING	1							
1.2	2	165000-49390	ROTOR	1							
1.3	2	165000-33480	BEARING, BALL	1							
2	2	165000-36450	RECTIFIER	1							
3	2	165000-36460	REGULATOR, CHARGE	1							
3	2	165000-49400	SCREW	2							
4	2	165000-33790	BRUSH, CARBON	1							
5	2	165000-28130	SPRING	2							
6	2	165000-37300	STATOR	1							
7	2	165000-27550	CONDENSER	2							
8	2	165000-35510	MOUNT KIT	1							
9	2	165000-38030	REPAIR KIT	1							
10	2	165000-37940	WASHER	1							
11	2	165000-35550	NUT, HEXAGON	1							
12	2	165000-29000	NUT, M5	1							
13	2	165000-37950	WASHER	2							
14	2	165000-35540	NUT	1							
15	2	165000-29020	NUT, HEXAGON M10	1							
16	2	165000-38000	WASHER, SERRATED	1							
17	2	165000-36840	SCREW	4							
18	2	165000-37990	WASHER, COVER	1							
19	2	165000-36560	RING, SLIP	1							
20	2	165000-26640	SCREW	2							
21	2	165000-33530	BEARING, ROLLER	1							
22	2	165000-36510	RING	1							
23	2	165000-36570	RING, SLIP	1							
23	2	165000-48840	BUSH	1							
24	2	165000-34610	FRAME	2							
25	2	165000-36810	SCREW	2							

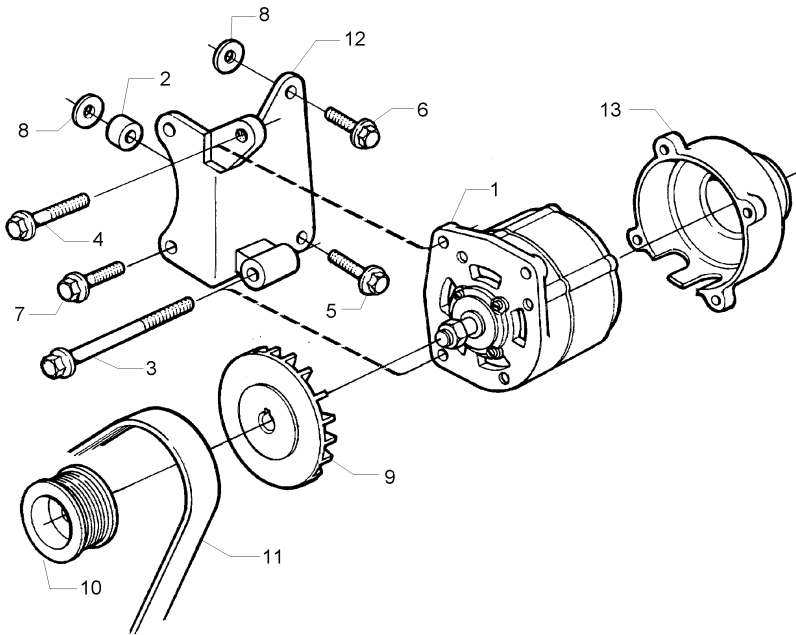
Fig.67.ALTERNATOR, MOUNTING



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1		REFER TO Fig.66.	1							
2	1	165000-33630	BRACKET	1							
3	1	165000-36970	SCREW, FLANGE	1							
4	1	165000-27160	SCREW, M16X90	2							
5	1	165000-26950	SCREW, M10X35	1							
6	1	165000-26950	SCREW, M10X35	1							
7	1	165000-34440	FAN	1							
8	1	165000-36280	PULLEY	1							
9	1		REFER TO Fig.40.41.	1							
10	1	165000-33710	BRACKET	1							

Fig.68.ALTERNATOR, EXTRA MOUNTING



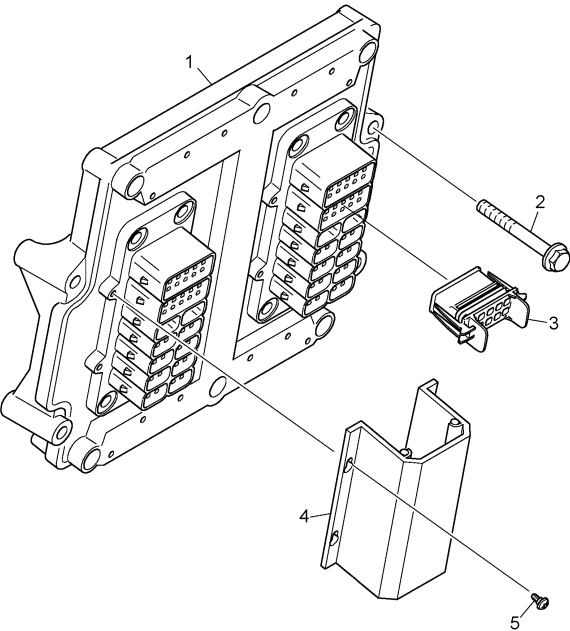
(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1		REFER TO Fig.66.	1							
2	1	165000-28780	TUBE, SPACER L=10MM	1							
3	1	165000-36970	SCREW, FLANGE	1							
4	1	165000-26990	SCREW, M10X40	1							
5	1	165000-27360	SCREW, M8X30	1							
6	1	165000-27330	SCREW, M8X25	1							
7	1	165000-26930	SCREW, M10X25	2							
8	1	165000-37920	WASHER	2							
9	1	165000-34440	FAN	1							
10	1	165000-36280	PULLEY	1							
11	1		REFER TO Fig.40.41.	1							
12	1	165000-33700	BRACKET	1							
13	1		REFER TO Fig.69.	1							



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Fig.70.ELECTRONIC CONTROL UNIT



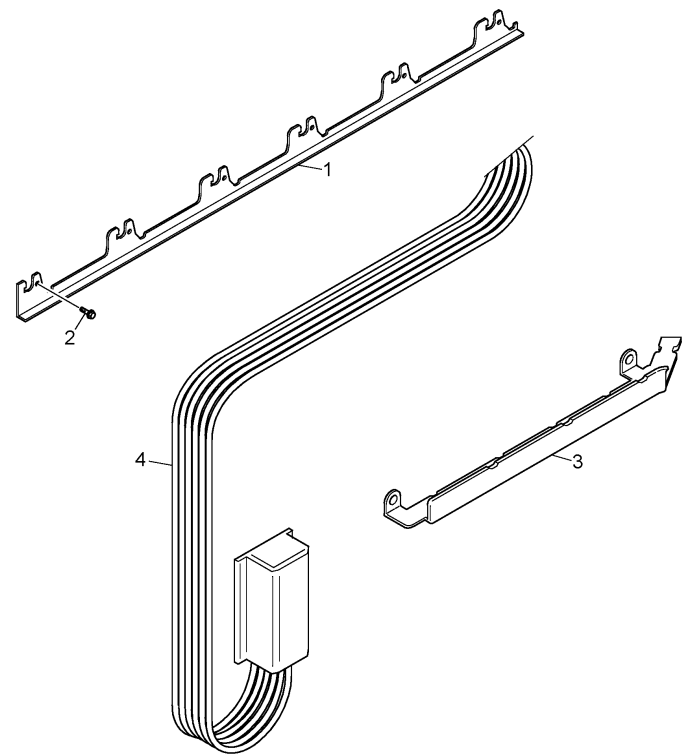
132254

Remarks
(1)THE ENGINE NO. MUST BE SPECIFIED
WHEN ORDERING

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-48940	ECU	1							1
2	1	165000-27430	SCREW, M8X60	4							
3	1		REFER TO Fig.73.	1							
4	1	165000-48920	COVER	2							
5	1	165000-27200	SCREW, M4X8	8							

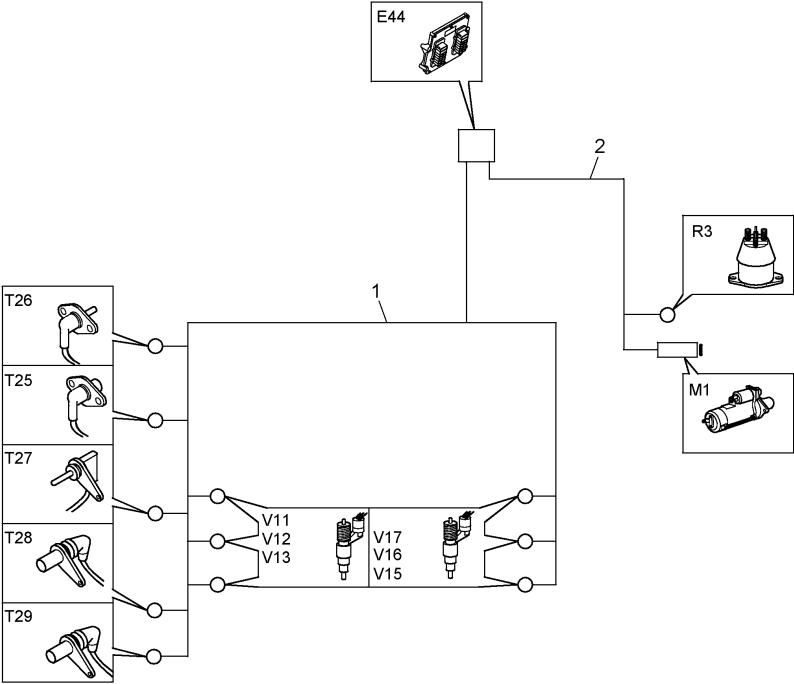
Fig.71.CABLE RETAINER



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

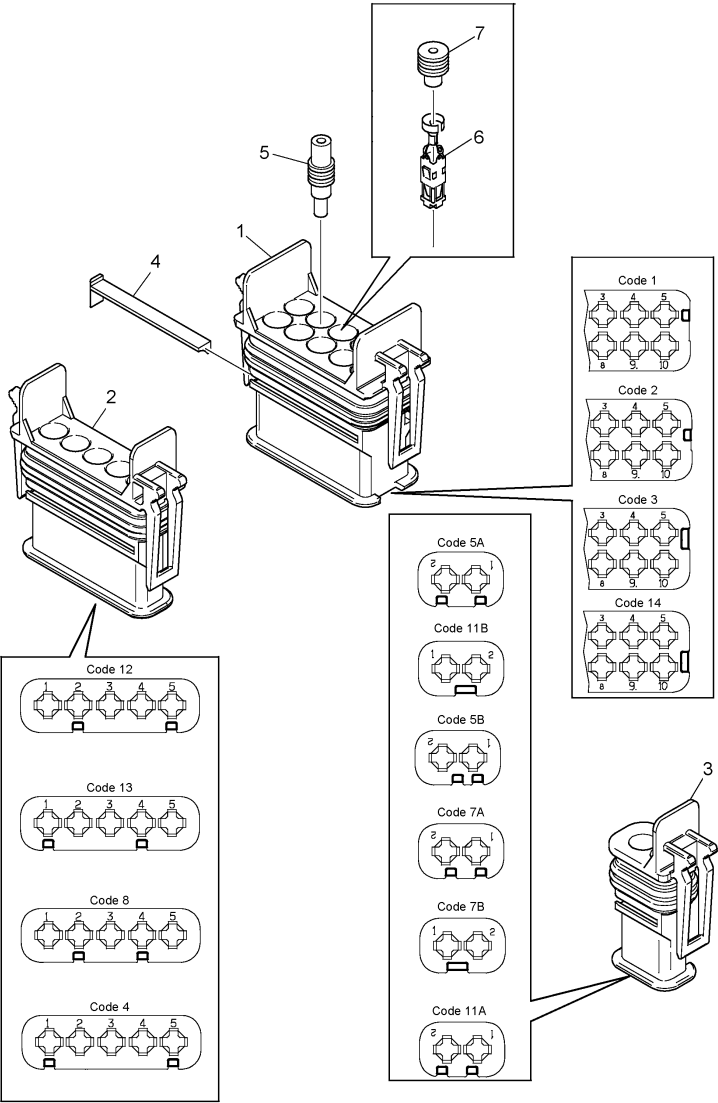
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34390	DUCT	1							
2	1	165000-27240	SCREW, M6X16	6							
3	1	165000-34380	DUCT	1							
4	1		REFER TO Fig.72.	1							

Fig.72.CABLE HARNESS



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-35020	HARNESS, CABLE	1							
1	2	165000-37120	SENSOR, SPEED	1							
2	1	165000-35030	HARNESS, CABLE	1							
2	1	165000-48820	BRACKET	1							
2	1	165000-36760	SCREW	1							
2	1	165000-48860	CLAMP, 20	1							
2	1	165000-27240	SCREW, M6X16	1							

Fig.73.CONTACT HOUSING



126763

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

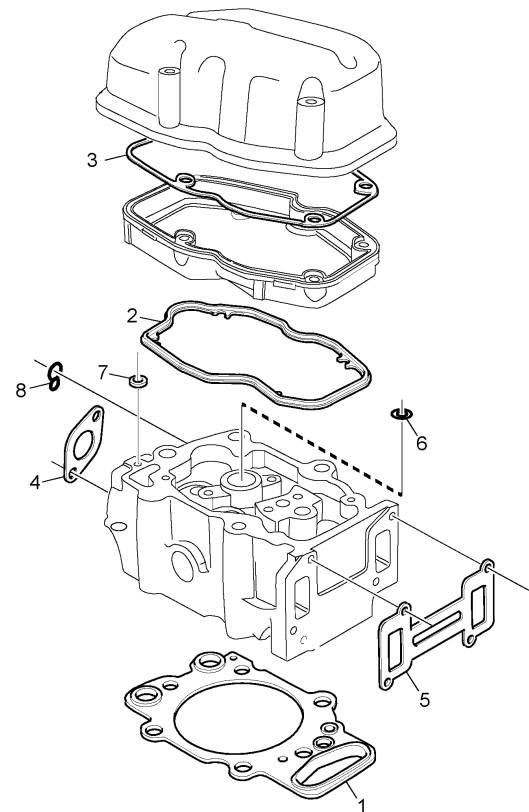
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-29940	CONTACT 10-POL.CODE1	999							1
1	1	165000-29950	CONTACT 10-POL.CODE2	999							1
1	1	165000-29960	CONTACT 10-POL.CODE3	999							1
1	1	165000-29930	CONTACT 10-POL.CODE0	999							1
2	1	165000-30040	CONTACT 5-POL.CODE12	999							1
2	1	165000-30050	CONTACT 5-POL.CODE13	999							1
2	1	165000-30030	CONTACT 5-POL.CODE0	999							1
3	1	165000-29990	CONTACT 2-POL.CODE7A	999							1
3	1	165000-30000	CONTACT 2-POL.CODE7B	999							1
3	1	165000-29980	CONTACT2-POL.CODE11A	999							1
3	1	165000-29970	CONTACT 2-POL.CODE0	999							1
4	1	165000-30450	PIN, LOCK 10/5-POL	999							1
4	1	165000-30460	PIN, LOCK 2-POL	999							1
5	1	165000-30760	PLUG	999							1
6	1	165000-28240	SLEEVE	6							
6	1	165000-28390	SOCKET, FLAT	3							
7	1	165000-27830	SEAL	999							1

Remarks
(1)REQUIRE



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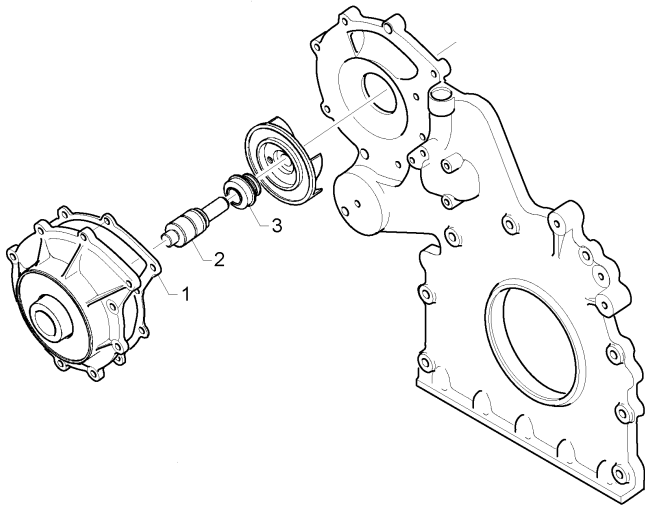
Fig.75.GASKET KIT, CYLINDER HEAD



(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-34900	GASKET KIT	1							
1.1	2	165000-34800	GASKET	1							
2	2	165000-49000	GASKET, ROCKER COVER	1							
3	2	165000-25120	GASKET, ROCKER COVER	1							
4	2	165000-25410	GASKET, EXHAUST	1							
5	2	165000-25380	GASKET, INTAKE	1							
6	2	165000-25200	GASKET	1							
7	2	165000-27800	SEAL	6							
8	2	165000-25170	GASKET	1							

Fig.76.REPAIR KIT, COOLANT PUMP



Y00R5770 76.REPAIR KIT, COOLANT PUMP

(A)=6SY-STP
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-36470	REPAIR KIT	1							
1.1	2	165000-34720	GASKET	1							
2	2	165000-31550	BEARING	1							
3	2	165000-36550	RING, SEAL	1							