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GROUP B

ENGINE

ENGINE

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ALTERNATOR FIXINGS - 2.5 PETROL
STARTER - 2.5 PETROL
FLYWHEEL & CLUTCH - 2.5 PETROL

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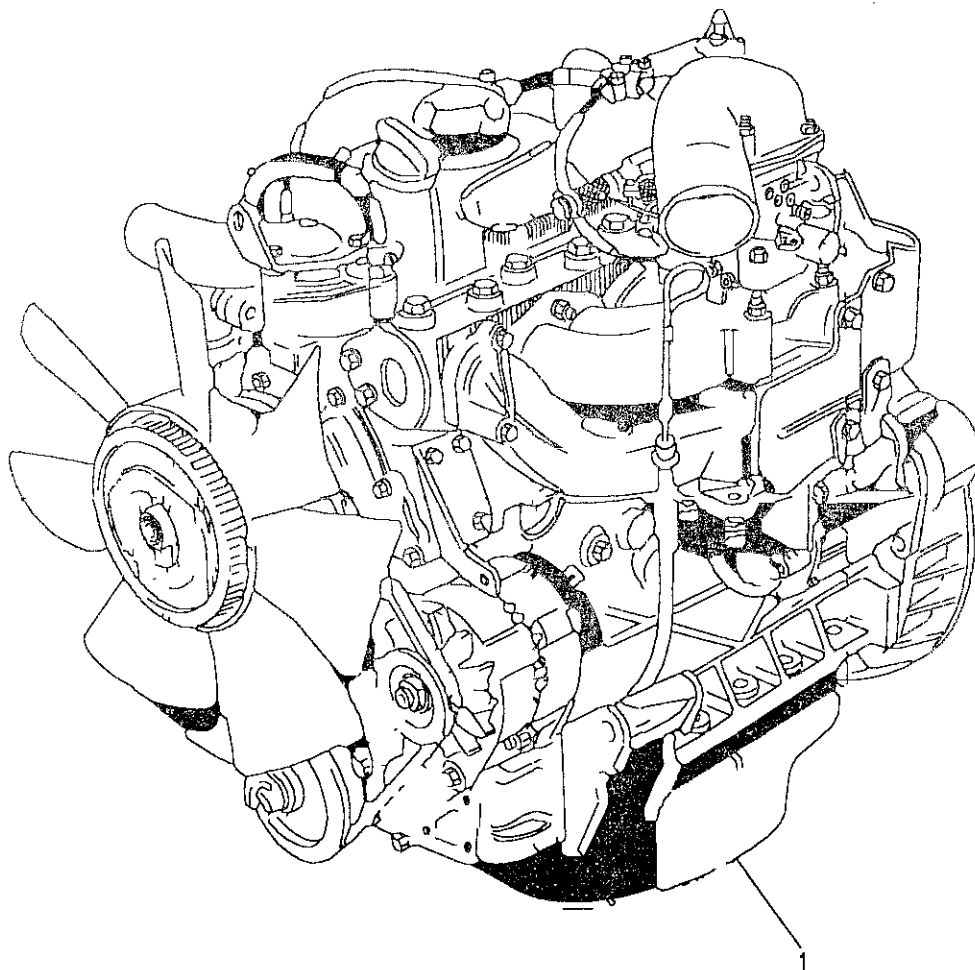
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ENGINE

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ENGINE - ENGINE COMPLETE - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC5900N	Engine complete assembly	1	17H00001C



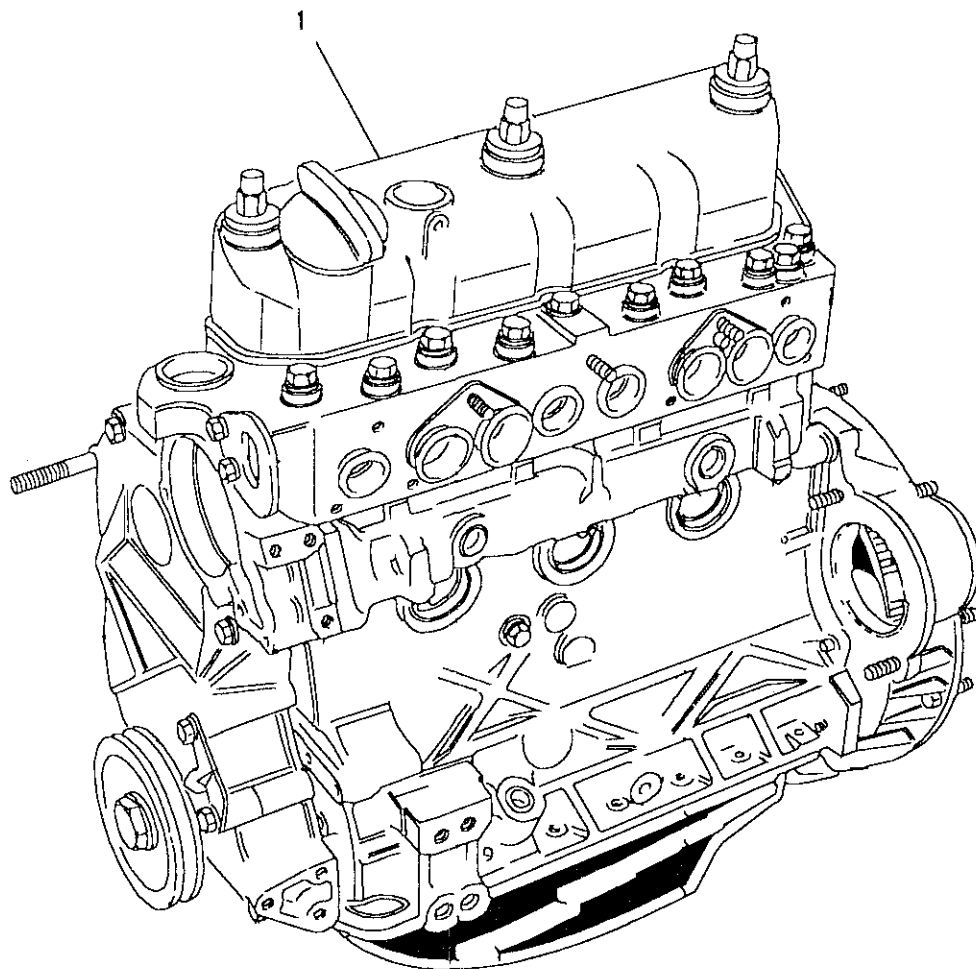
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ENGINE - ENGINE STRIPPED - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 RTC4595R	Engine stripped assy	1	Note(1)
RTC6800N	Engine stripped assy	1	
RTC6800R	Engine stripped-recon	1	Note(2)

Note(1) Reconditioned engine only available up to eng-No17H25700C
 Note(2) Reconditioned engine only available from eng-No17H25701C





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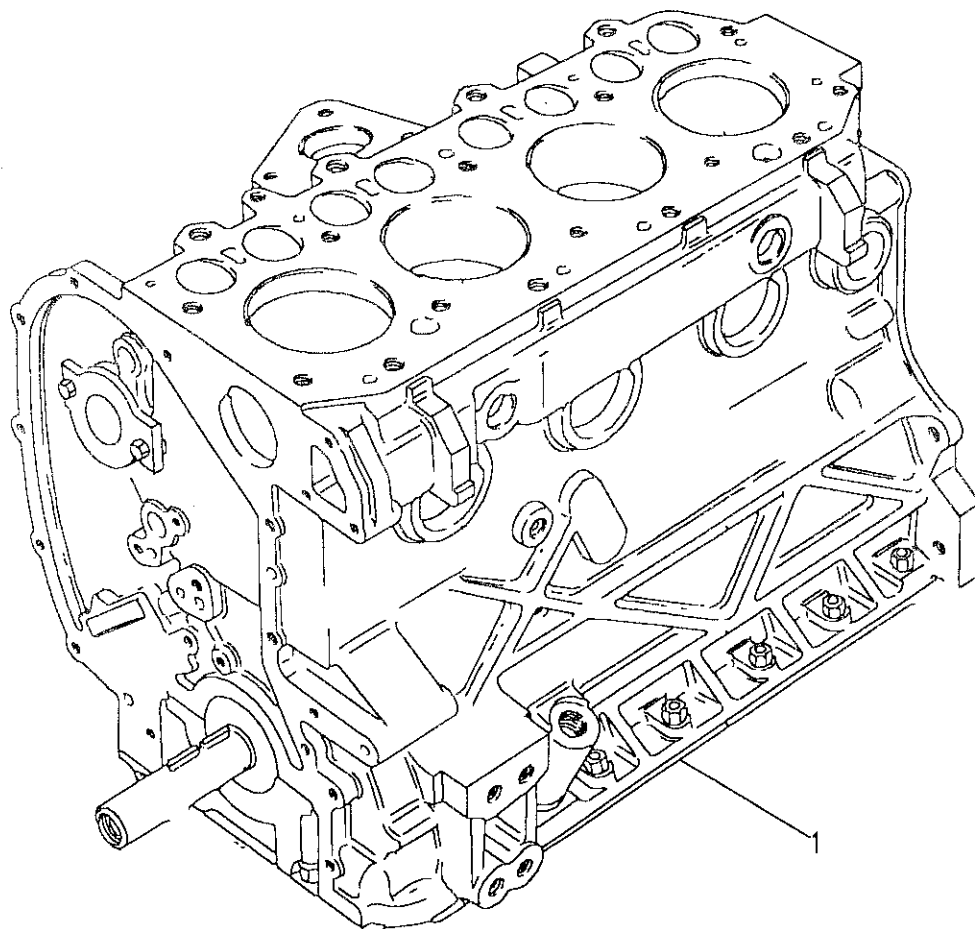
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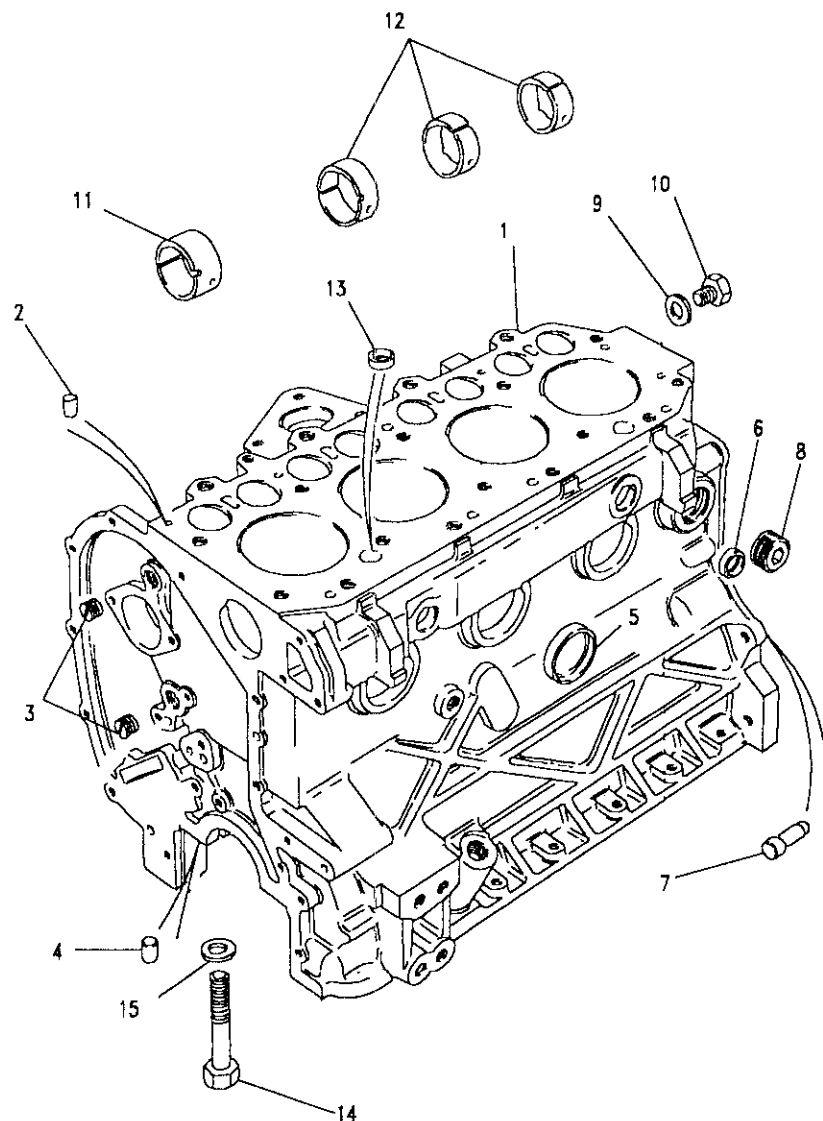
ENGINE

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ENGINE - ENGINE SHORT - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 RTC6793	Engine short assembly	1	





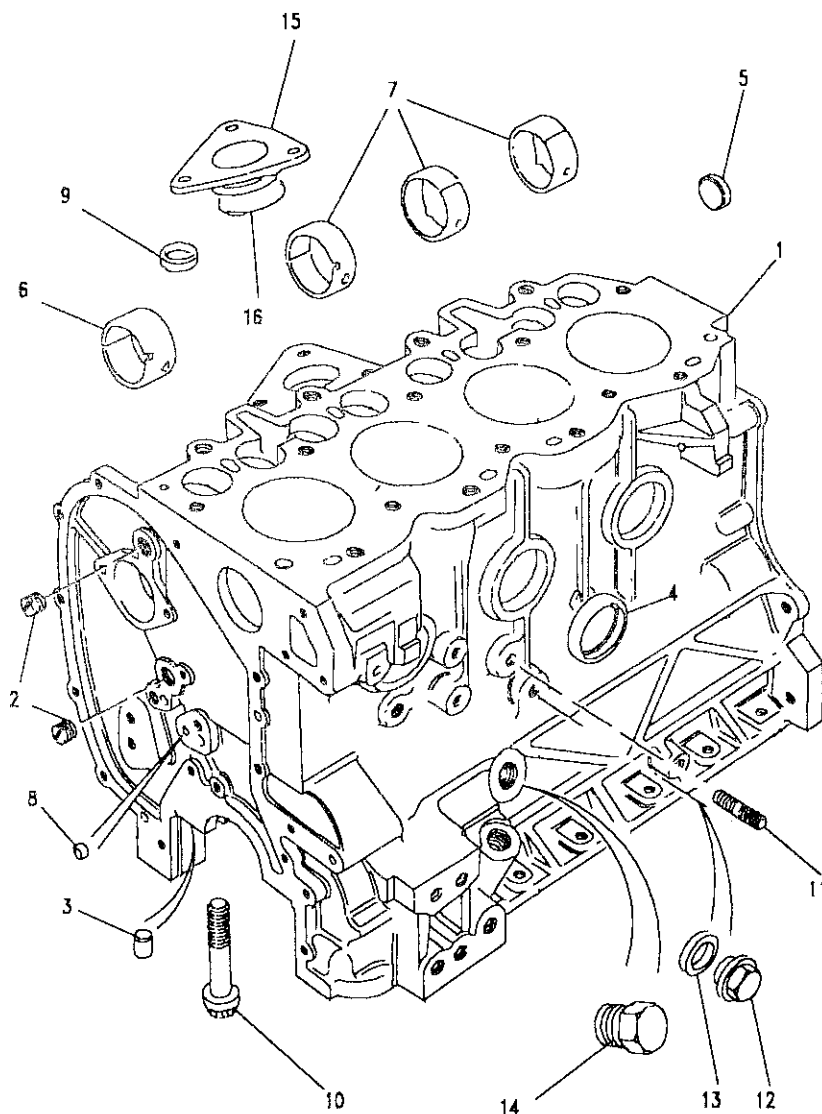
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ENGINE - CYLINDER BLOCK - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 RTC3985	Cylinder block assembly	1	Note(1)
2 247965	Plug-tappet hole feed	1	
3 247127	Plug-oil gallery	2	
4 501593	Dowel-bearing cap	10	
5 ERC4996	Cup plug-side/ends	6	
6 597586	Cup plug-water rail	3	
7 ERC4644	Dowel-flywheel housing	2	
8 527269	Plug-immersion heater	1	
9 243959	Washer joint	2	
10 ETC4922	Plug-gallery pipe	2	
11 90519054	Bearing-camshaft-front	1	
12 90519055	Bearing-camshaft-inter/R	3	
13 ERC4995	Cup plug-top	2	
14 ETC7596	Bolt flanged head	10	
15 504006	Washer-main bearing cap	10	
ERR5034	Plug-camshaft oil feed	3	

Note(1) This block used up to 17H25700C



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ENGINE - CYLINDER BLOCK - 2.5 PETROL

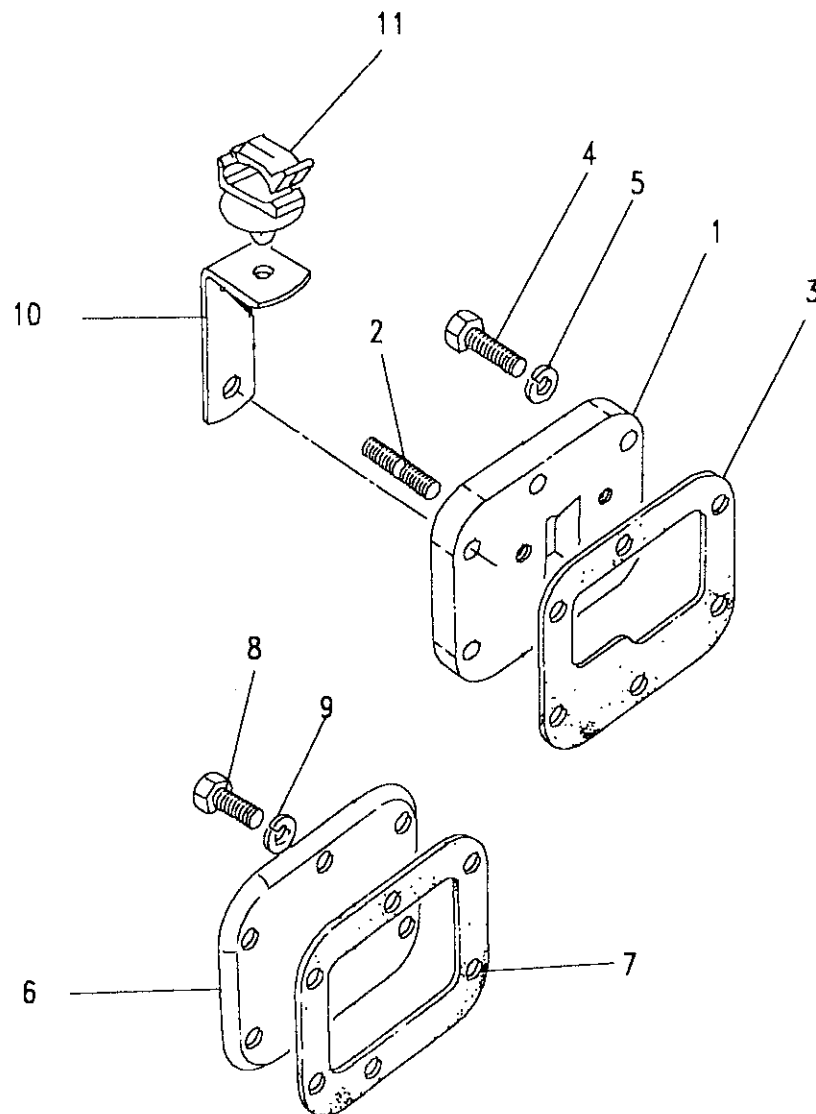
III. Part No.	Description	Qty	Remarks
1 ERR477	Cylinder block assembly	1	Note(1)
2 247127	Plug-oil gallery	3	
3 501593	Dowel-bearing caps	10	
4 ERC4996	Cup plug-sides/ends	6	
5 597586	Cup plug-water rail ends	3	
6 ETC8442	Bearing-camshaft front	1	
7 90519055	Bearing-camshaft inter/R	3	
8 ETC4529	Cup plug	1	
9 ERC4995	Cup plug	2	
10 ETC8074	Bolt-main bearing cap	10	
11 TE108031L	Stud-starter motor	1	
12 ETC5577	plug drain	1	
13 213961	Washer joint	1	
14 ETC8362	Plug-turbo drain	1	
15 ERR586	Adaptor-cylinder block	1	
16 ERR531	O ring-adaptor	1	
ERC9188	Liner cylinder	4	
ERR5034	Tapered plug	3	

Note(1)

This block used from 17H25701C

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ENGINE - SIDE COVERS - 2.5 PETROL



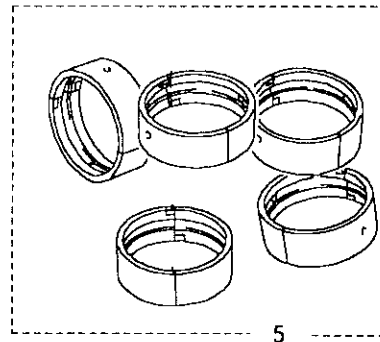
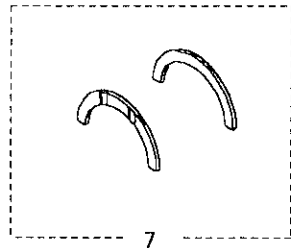
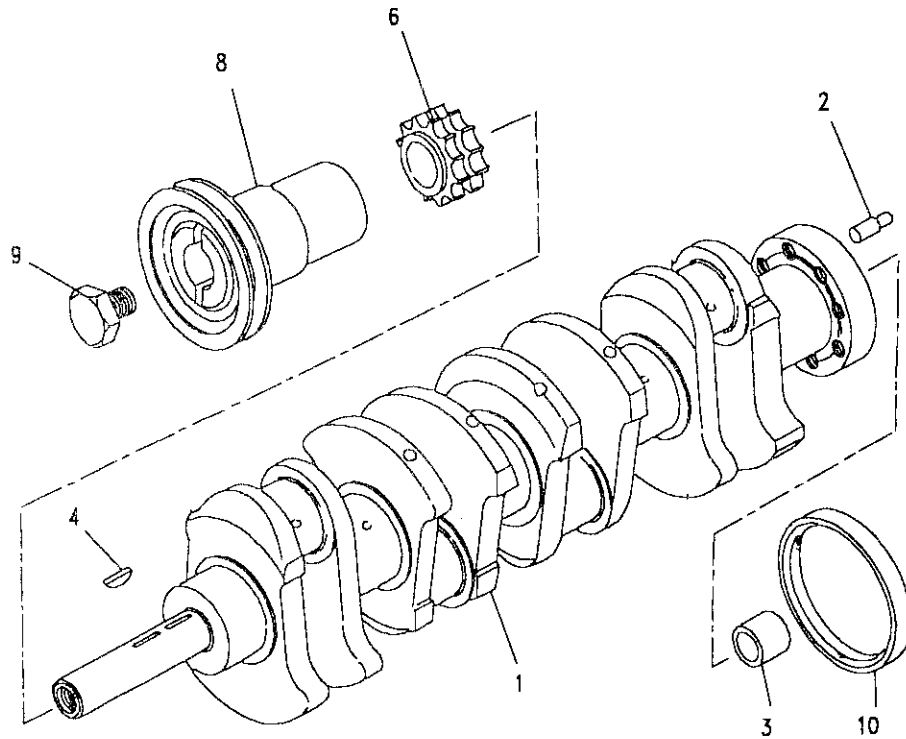
III. Part No.	Description	Qty	Remarks
1 ETC4799	Plate cover	1	
2 TE108041L	Stud	2	
3 247554	Washer joint	1	
4 FS108201L	Screw flanged	6	
5 WL108001L	Washer spring	6	
6 ERC2869	Cover side front	1	
7 ERR3605	Gasket side cover engine	1	
8 FS108201L	Screw flanged	6	
9 WL108001L	Washer spring	6	
10 ERC9480	Bracket	1	
11 AFU1090L	Clip	1	



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ENGINE

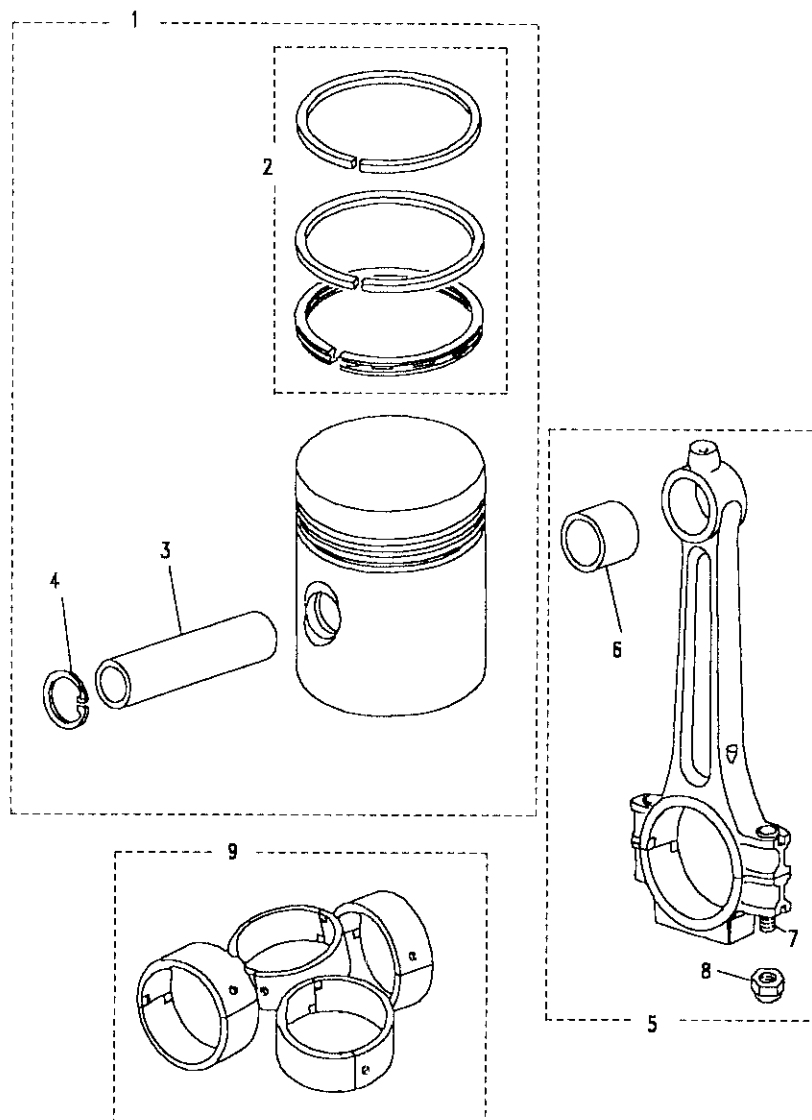


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ENGINE - CRANKSHAFT - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC8829	Crankshaft	1	
ERR1181	Crankshaft	1	FromAUG1989
2 ERC4658	Dowel	1	
3 8566L	Bush	1	
4 235770	Key-chainwheel	1	
5 RTC2992	Bearing set main	A/R	Upto17H25700C
RTC299210	Bearing set main-010"	A/R	
RTC4783	Bearing set main	1	From17H25701C
RTC478310	Bearing set main-010"	1	
6 568333	Chainwheel	1	
7 RTC2825	Washer thrust standard	A/R	
538131	Washer thrust 0025"	A/R	
538132	Washer thrust 0050"	A/R	
538134	Washer thrust 010"	A/R	
8 ERC5349	Pulley BASIC	1	
ERC5128	Pulley P.A.S.	1	
ERC5127	Pulley AIR CON	1	
ERC7089	Pulley AIR CON & P.A.S.	1	
9 ETC7934	Bolt-crankshaft pulley	1	
ERR605	Bolt-crankshaft pulley	1	)FromAUG1989
ERR705	Washer thrust-crankshaft	1	
10 ERR1535	Seal oil main	1	





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ENGINE - PISTON AND RINGS - 2.5 PETROL

III.	Part No.	Description	Qty	Remarks
1	RTC4734S	Piston assembly	4	
	RTC473420	Piston assembly 0.020"o/s	4	
2	STC199	Kit piston ring std	4	
	STC19920	Kit piston ring o/s	4	
3	ETC5994	Gudgeon pin	4	
4	265175	Circlip	8	
5	ERR595	Con rod	4	
6	528004	Bush	4	
7	ETC7357	Bolt	8	
8	ETC8191	Nut conn rod	8	

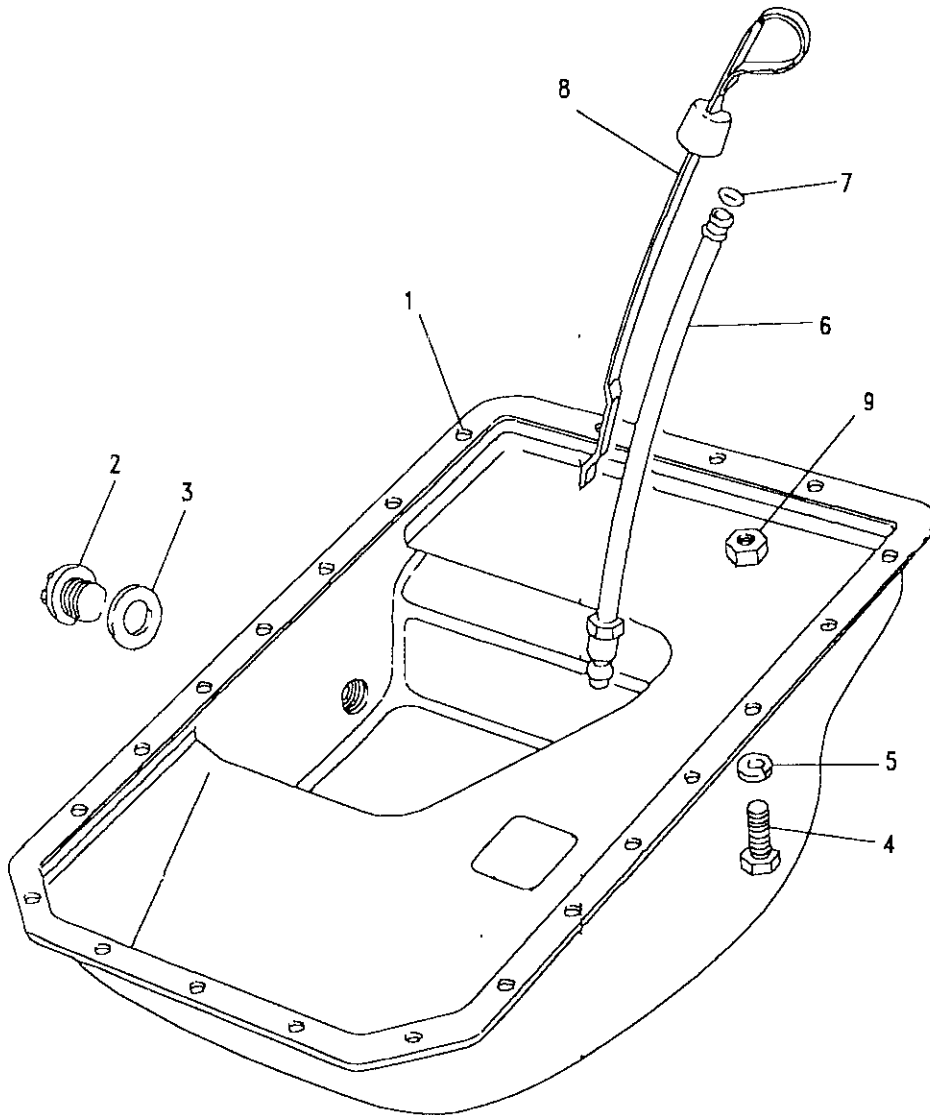
Con Rod Bearing: Engine Set

9	RTC2993	Bearing set big end	1
	RTC299310	Bearing set big end o/s	1

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ENGINE - SUMP - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ERR4716	Sump	1	
2 599552	Plug drain	1	
3 FRC4808	Washer joint	1	
4 SH108161L	Screw	22	
5 WL108001L	Washer spring	22	
6 ERC8980	Tube-dipstick	1	
7 532387	Ring sealing	1	
8 ETC7867	Dipstick	1	
9 NH108041L	Nut M8	1	

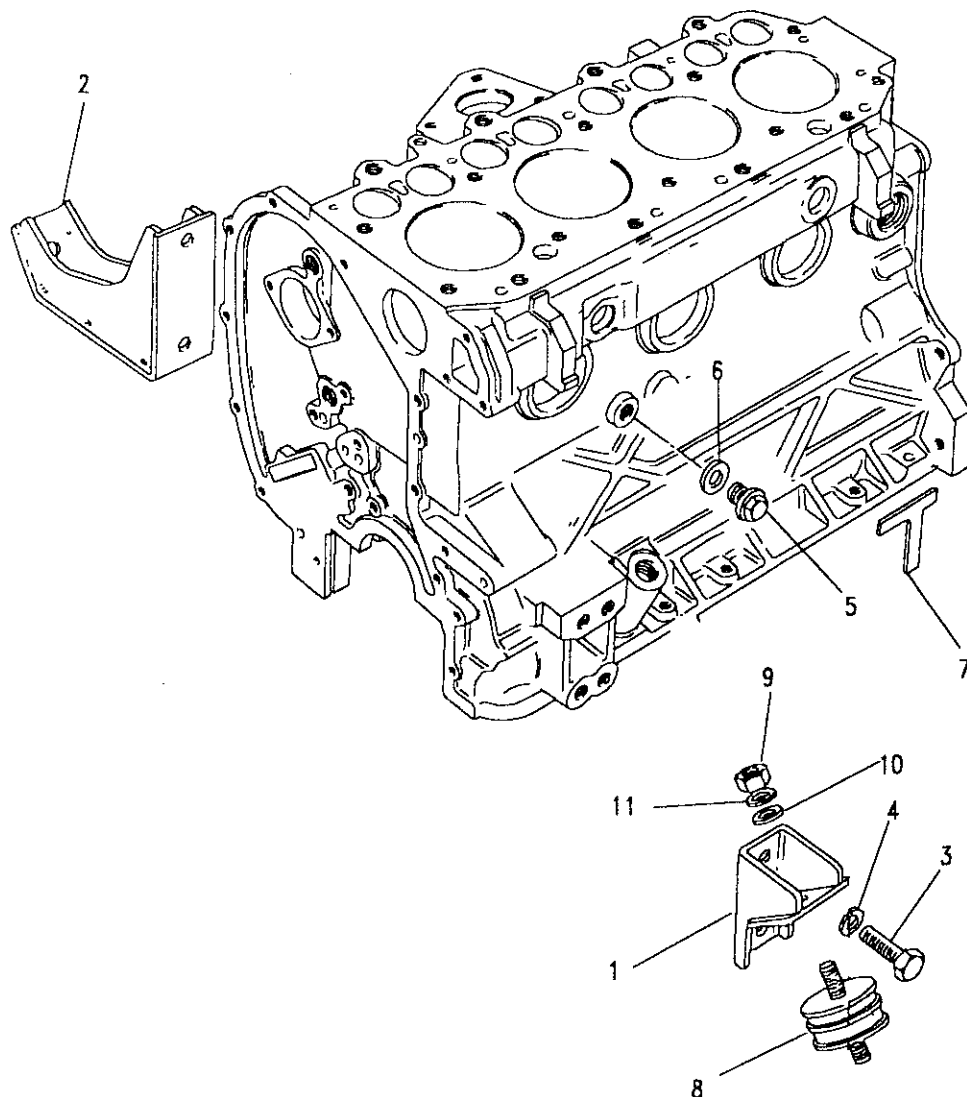


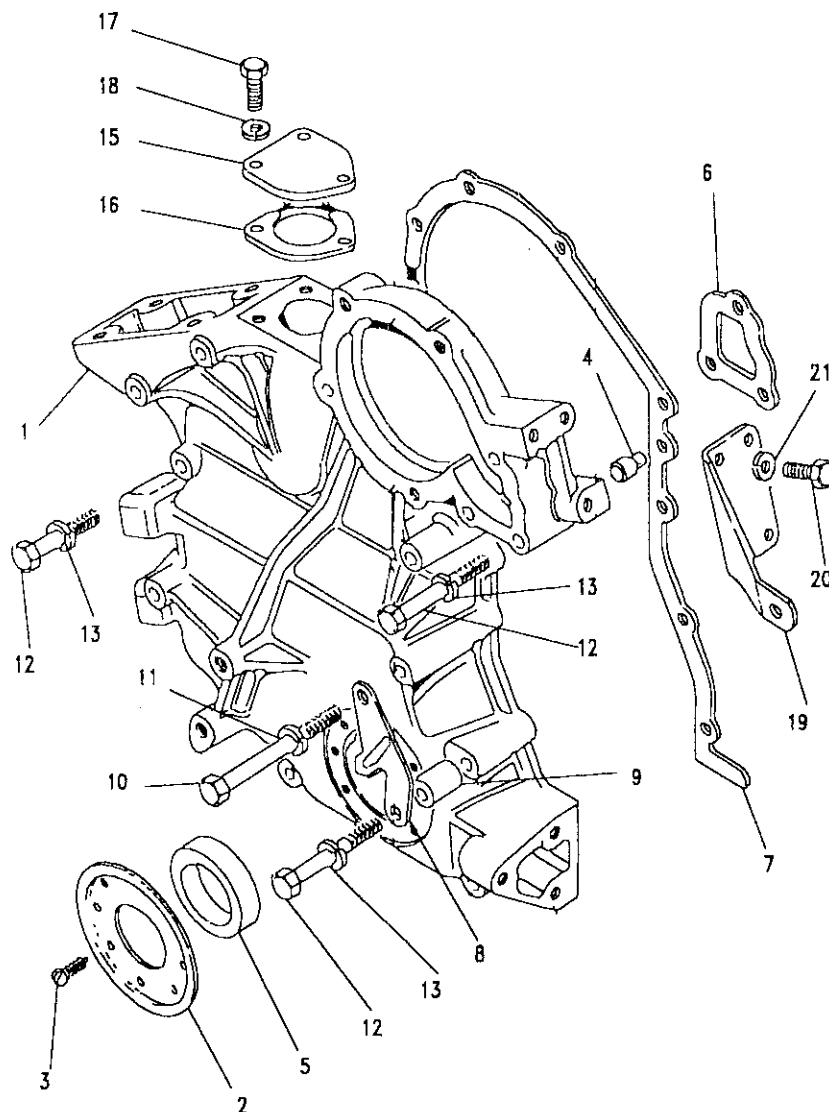
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ENGINE - ENGINE MOUNTINGS - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1	NRC5434	1	Mounting foot-RH
2	NRC9557	1	Mounting foot-LH
3	SH112251L	4	Screw
4	WL112001L	4	Washer spring
5	ERC9410	1	Plug drain
6	AFU1882L	1	Washer joint-plug
7	ERC5086	2	Packing strip
8	ANR1808	2	Mounting rubber
9	NH110041L	4	Nut-rubber to foot
10	WC110061L	2	Washer-rubber to foot
11	WL110001L	4	Washer-spring-rubber





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ENGINE - FRONT COVER - 2.5 PETROL

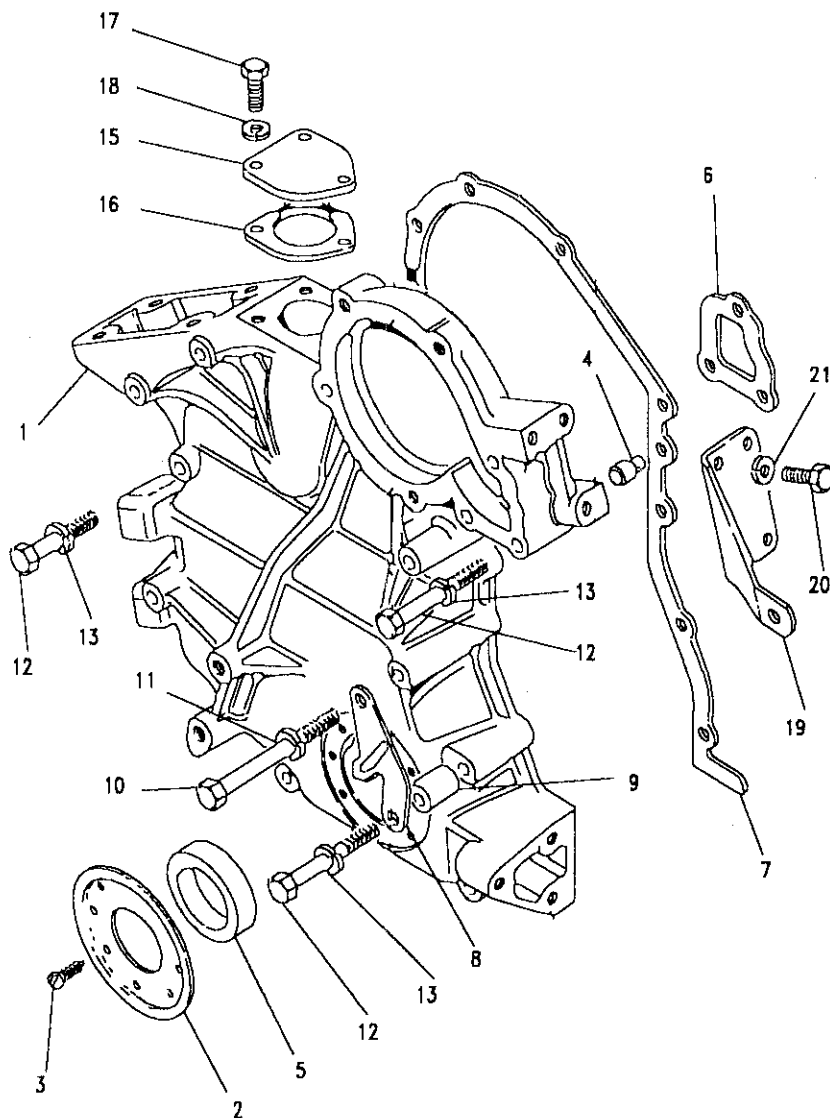
III. Part No.	Description	Qty	Remarks
1 ETC6081	Cover front assembly	1	
ETC7947	Cover front assembly	1	AIR CON
2 247766	Mud excluder	1	
3 AB606061L	Screw	8	
4 6395L	Dowel	2	
5 ETC5187	Seal oil	1	
6 ERR1607	Washer joint-water inlet	1	
7 538039	washer joint-front cover	1	
8 ERC5361	Pointer timing	1	
9 ERC6869	Spacer	1	
10 ERC8964	Bolt	1	
11 WL108001L	Washer spring	1	
12 ETC4994	Bolt-special	1	
BH108151L	Bolt	1	NON AIR CON
BH108105L	Bolt	6	
13 WL108001L	Washer spring	8	
WA108051L	Washer	1	
12 ETC4995	Bolt	1	
ERC9468	Stud	1	
BH108131L	Bolt	1	
BH108151L	Bolt	1	
BH108105L	Bolt	2	
BH108201L	Bolt	1	
ERC8964	Bolt	2	AIR CON
13 WL108001L	Washer spring	9	
14 NH108041L	Nut	1	
15 574469	Blanking plate	1	
16 542636	Gasket-blanking plate	1	
17 FS106201L	Flange screw	3	
18 WL106001L	Washer spring	3	

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ENGINE - FRONT COVER - 2.5 PETROL

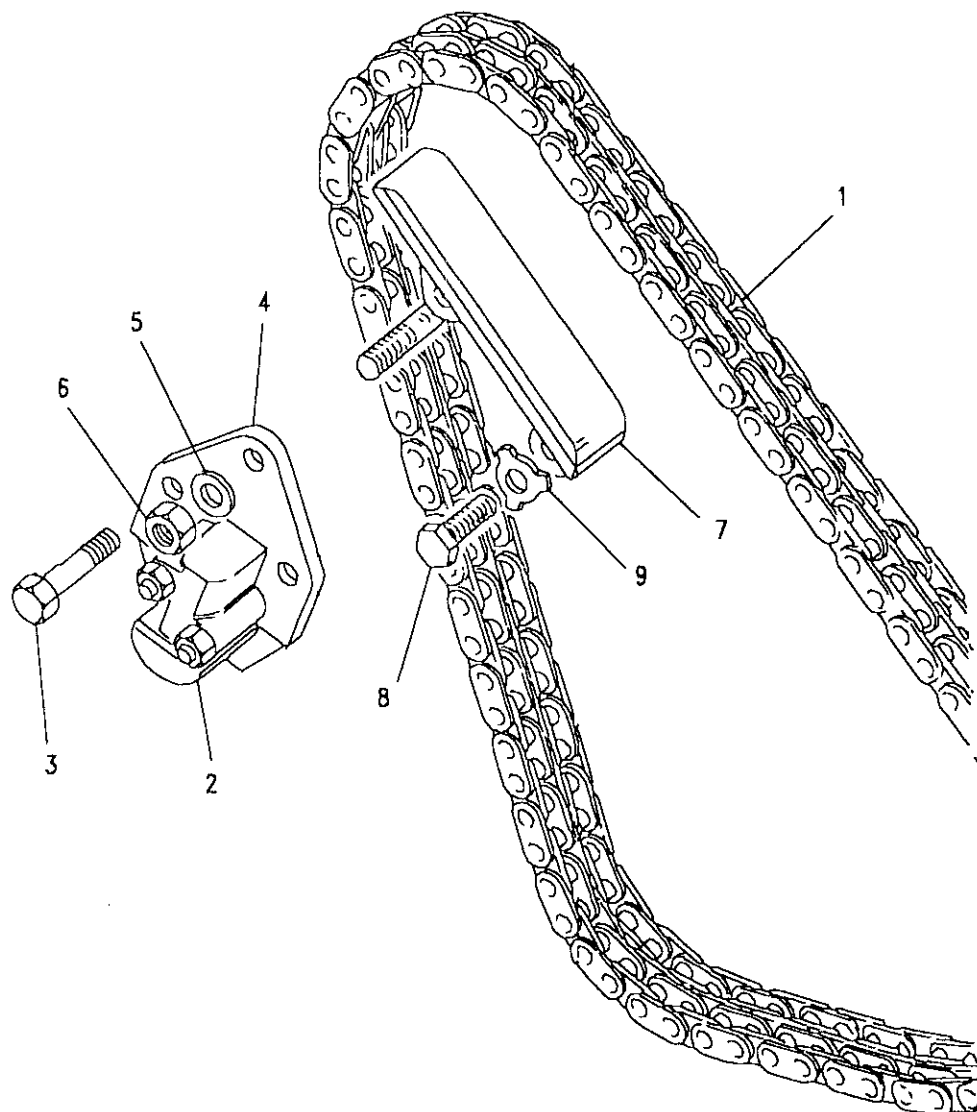
III. Part No.	Description	Qty	Remarks
19 ERC6479	Bracket mounting-cowl	1	
20 FS108201L	Screw flanged	3	
21 WL108001L	Washer spring	3	
ERC9404	Bracket-harness clip	2	} Alternatives
AFU1090L	Clip	2	
SH108161L	Screw	2	
RTC3772	Tie cable	2	



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ENGINE - TIMING CHAIN - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC5191	Chain timing	1	
2 ETC5190	Tensioner-timing chain	1	
3 FS108201L	Screw flanged	2	
4 TE108051L	Stud	1	
5 WA108051L	Washer	3	
6 NH108041L	Nut	1	
7 275234	Damper vibration	1	
8 SH106121L	Screw	2	
9 557523	Washer lock	2	

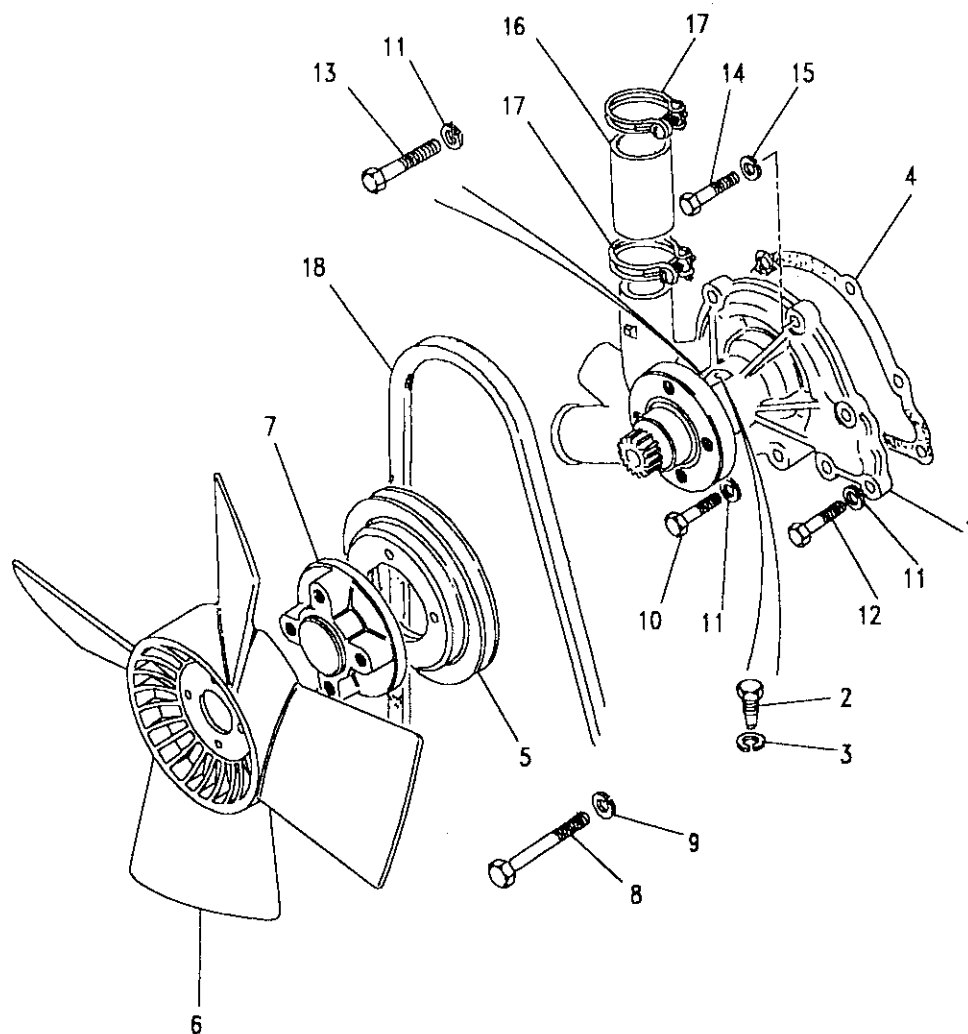


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ENGINE - WATER PUMP - 2.5 PETROL - BASIC

III. Part No.	Description	Qty	Remarks
1	STC637	1	Pump water
2	ERC5600	1	Screw special
3	WL106001L	1	Washer spring
4	ERC5655	1	Gasket
5	ERC5578	1	Pulley-single groove
6	ERC5545	1	Fan assembly
7	ERC7489	1	Spacer
8	FB108111L	4	Bolt flanged
9	WL108001L	4	Washer spring
10	BH108161L	2	Bolt-pump to block
11	WL108001L	4	Washer spring
12	BH108171L	1	Bolt-pump to block
13	BH108151L	1	Bolt-pump to block
14	FS108301L	3	Bolt
15	WL108001L	3	Washer spring
16	ERC5654	1	Hose-by pass to outlet
17	CN100408L	2	Clip hose
18	ETC7939	1	Belt fan

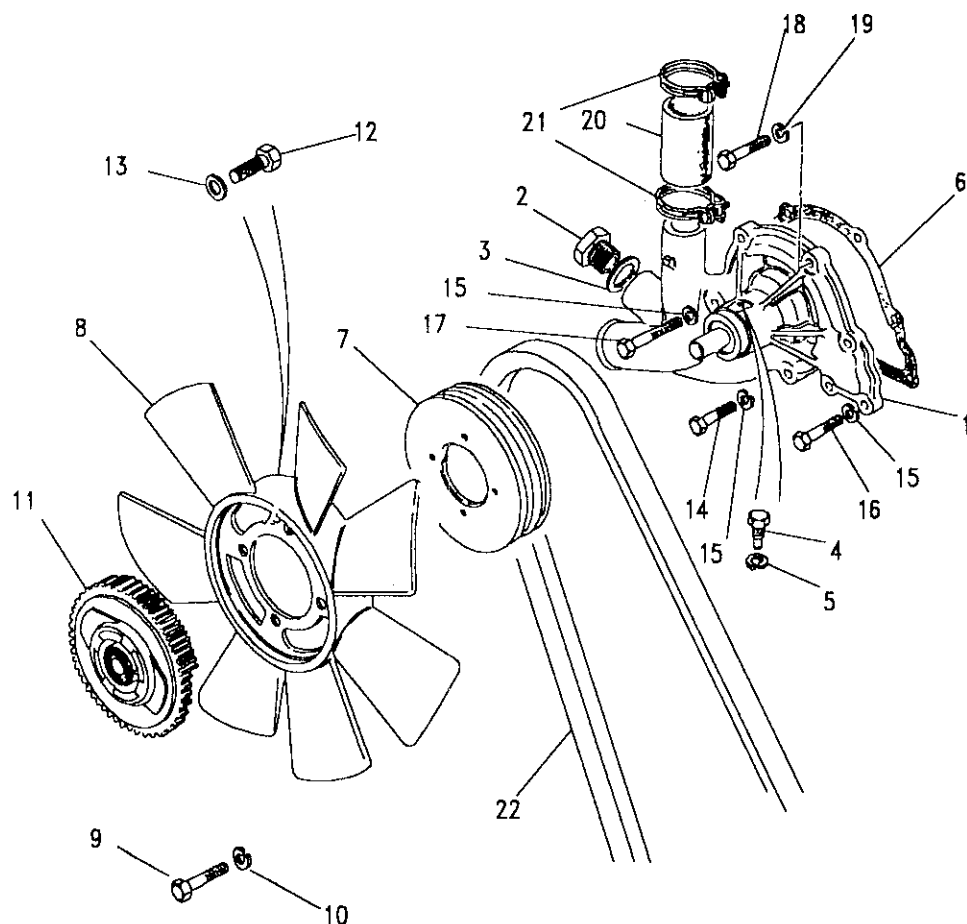


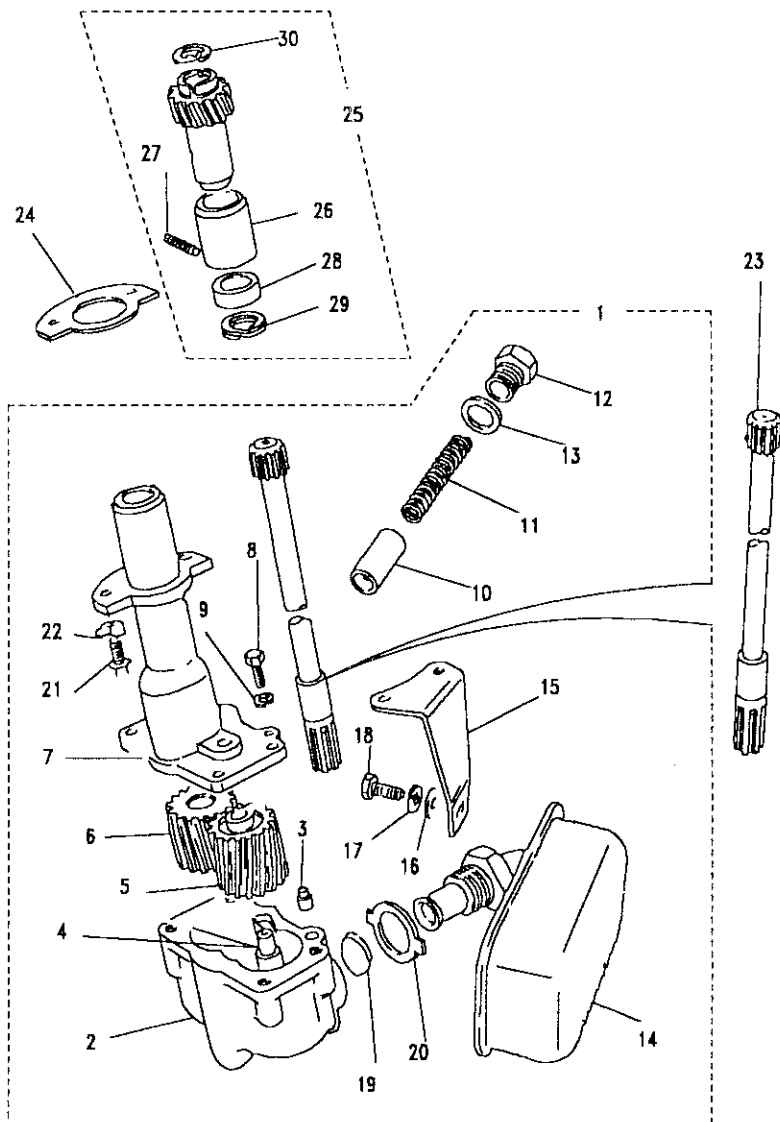
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ENGINE - WATER PUMP - 2.5 PETROL - AIR CONDITIONING

III. Part No.	Description	Qty	Remarks
1 STC640	Pump water assembly	1	A133Alternator
STC635	Pump water assembly	1	A127Alternator
2 ERC7312	Plug-de aerator boss	1	
3 232046	Washer joint	1	
4 ERC5600	Screw special	1	
5 WL106001L	Washer spring	1	
6 ERC5655	Gasket	1	
7 ERC8890	Pulley-twin groove	1	
8 ERC7834	Fan assembly	1	
9 BH106051L	Bolt-pulley to hub	4	
10 WL106001L	Washer spring	4	
11 ERC5708	Viscous unit	1	
12 ERC5709	Bolt	4	
13 4589L	Washer	4	
14 BH108161L	Bolt-pump to block	2	
15 WL108001L	Washer spring	4	
16 BH108171L	Bolt-pump to block	1	
17 BH108151L	Bolt-pump to block	1	
18 BH108161L	Bolt-pump to cover	3	
19 WL108001L	Washer spring	3	
20 ERC5654	Hose-by pass to outlet	1	
21 CN100408L	Clip hose	2	
22 ETC7939	Belt fan	1	



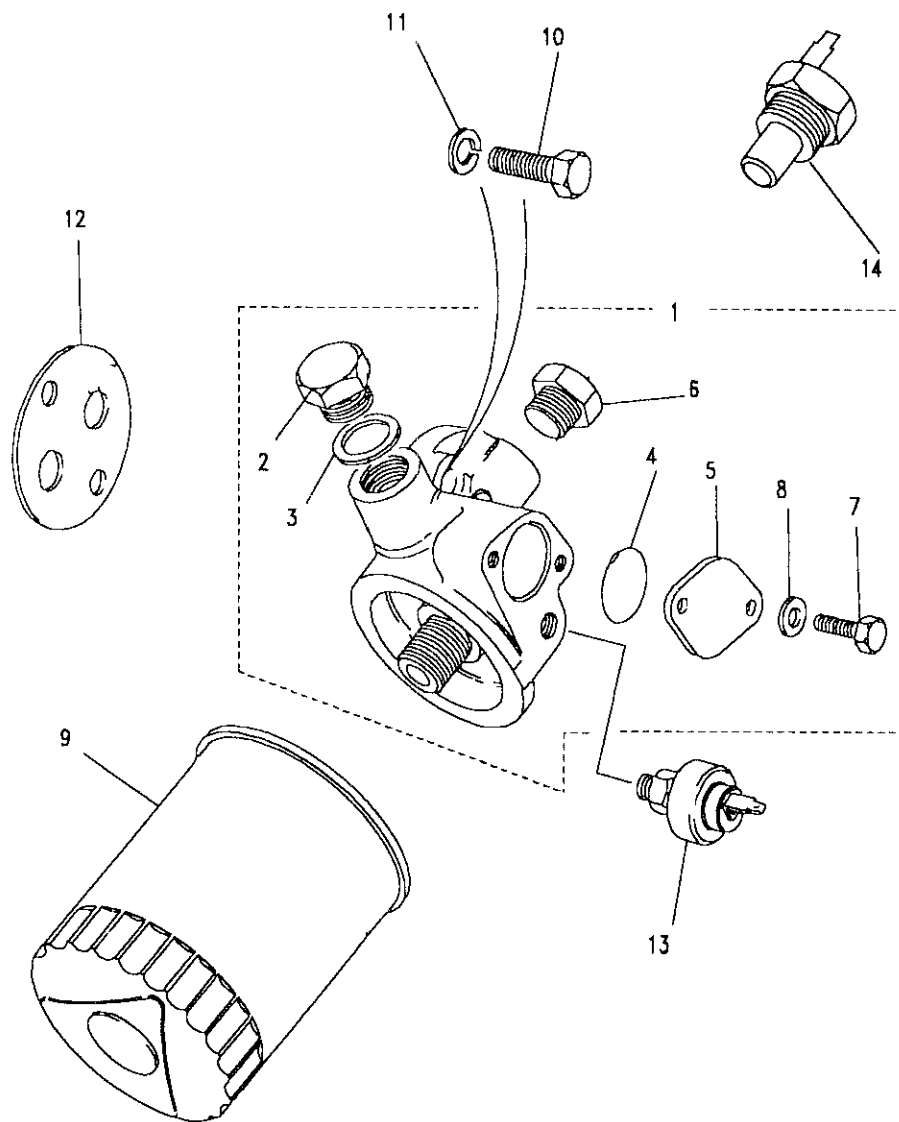


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ENGINE - OIL PUMP - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ERR1117	Pump oil assembly	1	
2	Body oil pump assembly	1	NLS
3 236257	Dowel	2	
4 ERR1063	Spindle idler wheel	1	
5 ERR1088	Wheel idler	1	
6 ERC9706	Wheel driver	1	
7	Cover oil pump	1	NLS
8 FS108201L	Screw flanged	4	
9 WL108001L	Washer spring	4	
10 ETC4880	Plunger-oil relief	1	
11 564456	Spring-oil relief	1	
12 564455	Plug end-oil relief	1	
13 232044	Washer joint-oil relief	1	
14 ERC7530	Filter	1	
15 ERC7940	Bracket support	1	
16 WA108051L	Washer-filter	1	
17 WL108001L	Washer spring	1	
18 FS108201L	Screw flanged	1	
19 244488	'O'ring	1	
20 244487	Lock washer	1	
21 SH108251L	Bolt	2	
22 247665	Lock washer	2	
23 ERR850	Shaft	1	
24 ERR3606	Gasket oil pump	1	
25 ETC6139	Drive assembly	1	
26 522745	Bush	1	
27 ETC6142	Locating screw	1	
28 ETC6137	Washer thrust	1	
29 ETC6138	Locking ring	1	
30 247742	Circlip	1	



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ENGINE - OIL FILTER - 2.5 PETROL

Ill. Part No.	Description	Qty	Remarks
1 ETC5347	Adaptor assembly filter	1	Note(1)
2 RTC6851	Plug	1	
3 213961	Washer	1	
4 ERC5913	O ring	1	
5 ERC9884	End plate	1	
6 ETC4021	Plug	1	Note(2)
7 SH106141L	Screw	2	
8 WA106041L	Washer	2	
9 ERR3340	Element-oil filter	1	
10 SH110301L	Screw-filter to block	2	
11 WL110001L	Washer-filter to block	2	
12 ERR4934	Gasket oil filter housing	1	
13 PRC6387	Switch-oil filter	1	
14 PRC2505	Transmitter-oil temp	1	Note(2)

Note(1)
 Note(2)

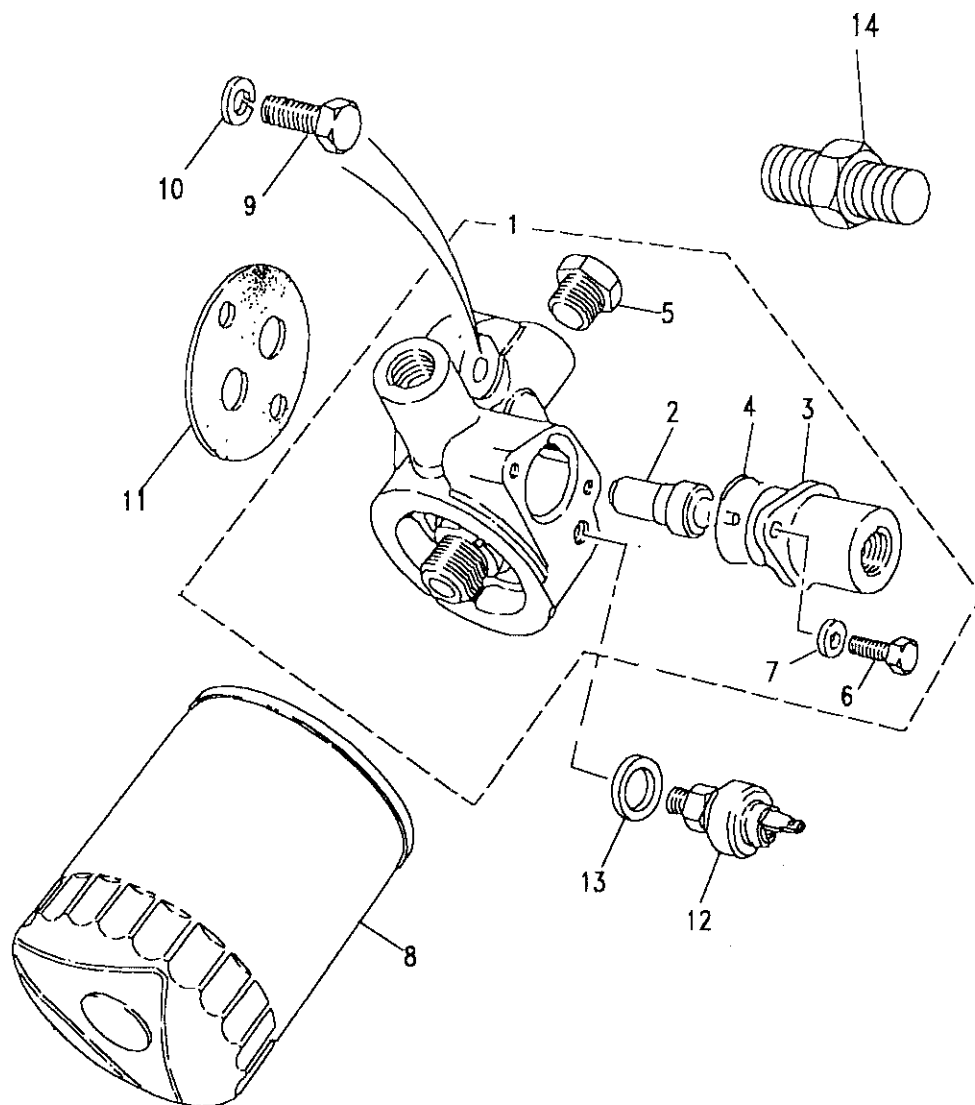
ETC5347 is interchangeable with ETC6519(includes filter)
 Remove ETC4021 when fitting PRC2505

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ENGINE - OIL FILTER WITH OIL COOLER - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ERR1347	Adaptor assembly filter	1	
2 ERC5923	Bulb thermostat	1	
3 ETC4022	Adaptor	1	
4 ERC5913	O ring	1	
5 ETC4021	Plug	1	Note(1)
6 SH106141L	Screw	2	
7 WA106041L	Washer	2	
8 ERR3340	Element-oil filter	1	
9 SH110301L	Screw-filter to block	2	
10 WL110301L	Washer-filter to block	2	
11 ERR4934	Gasket oil filter housing	1	
12 PRC6387	Switch-oil pressure	1	
13 232039	Washer joint-switch	1	
14 NRC8618	Coupling	1	
PRC2505	Transmitter-oil temp	1	Note(1)

Note(1) Remove ETC4021 when fitting PRC2505

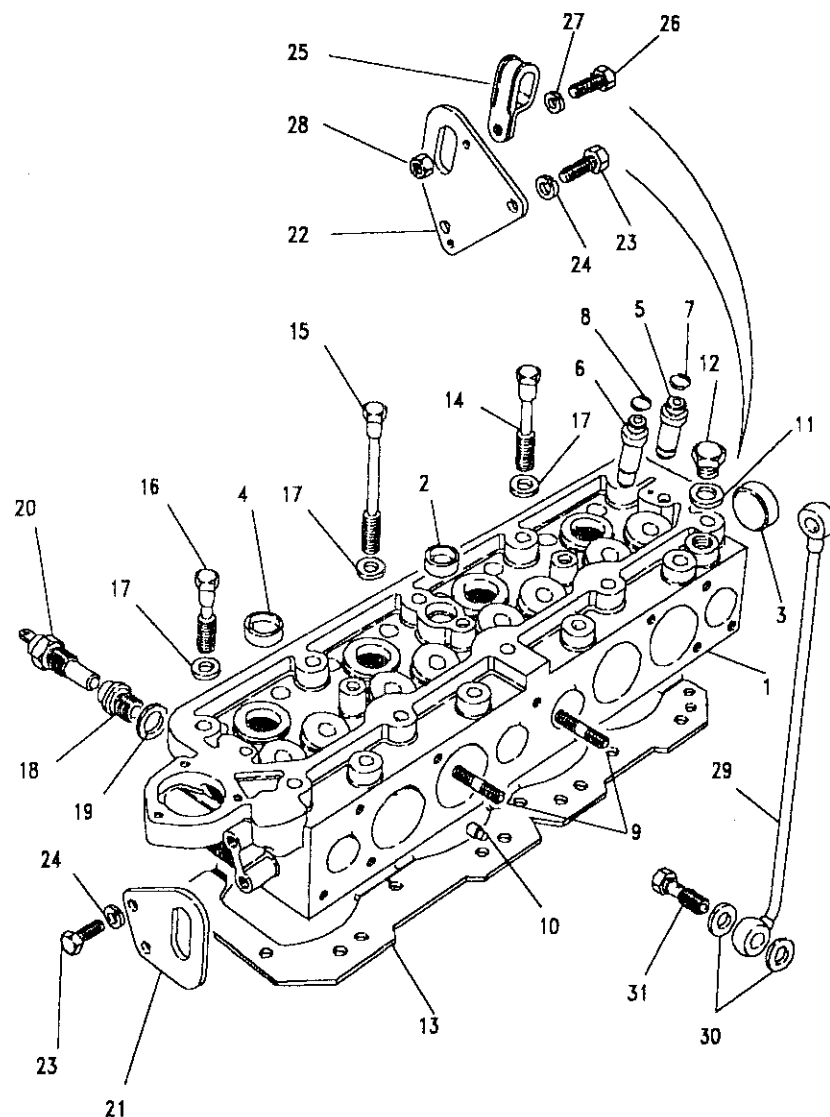


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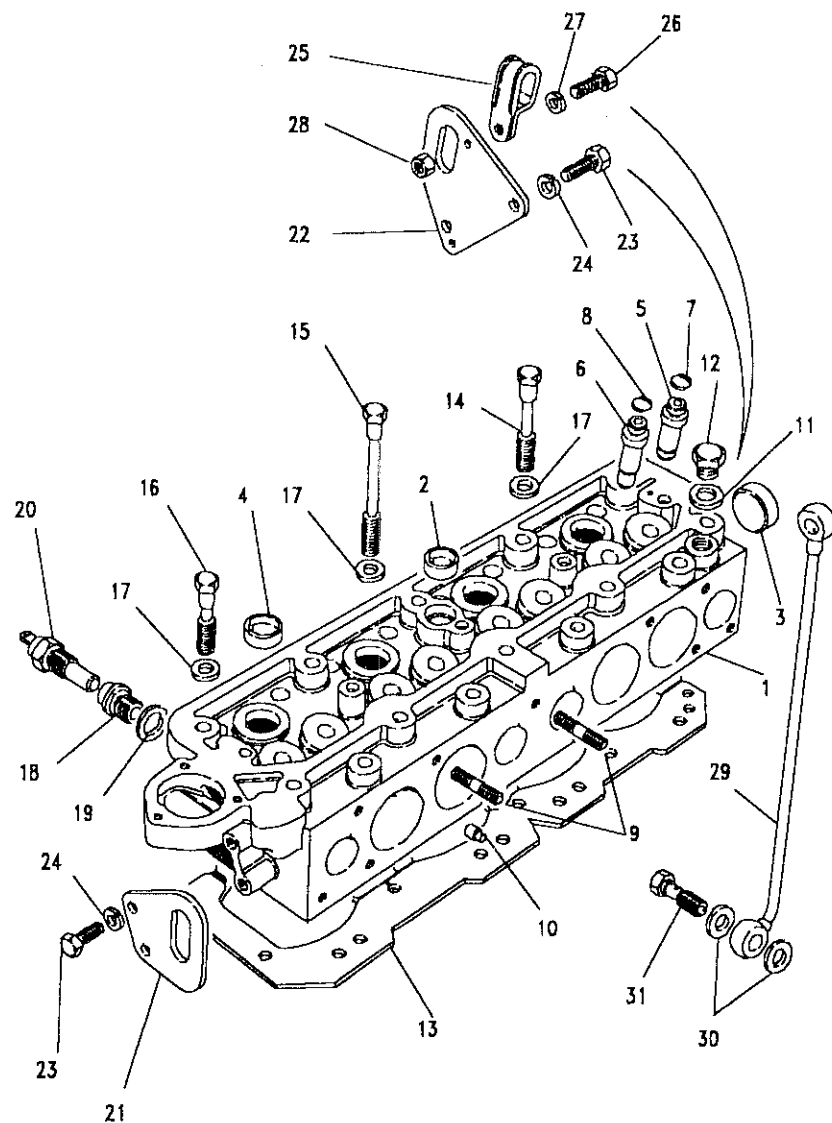
ENGINE - CYLINDER HEAD - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1	ETC5412	1	Cylinder head assembly
2	525497	1	Cup plug
3	524765	1	Cup plug
4	549702	4	Cup plug
5	568686	4	Guide valve-inlet
6	568687	4	Guide valve-exhaust
	ETC6278	4	Insert-valve seat
7	ERR1510	4	Seal-inlet valve
8	ETC4751	4	Seal-exhaust valve
9	TE108051L	3	Stud
10	213700	2	Dowel
11	AFU1890L	1	Washer joint
12	ERC9448	1	Plug
13	ERC6380	1	Gasket
14	247051	9	Bolt 4.562"
15	279648	4	Bolt 2.312"
16	554621	5	Bolt 4.125"

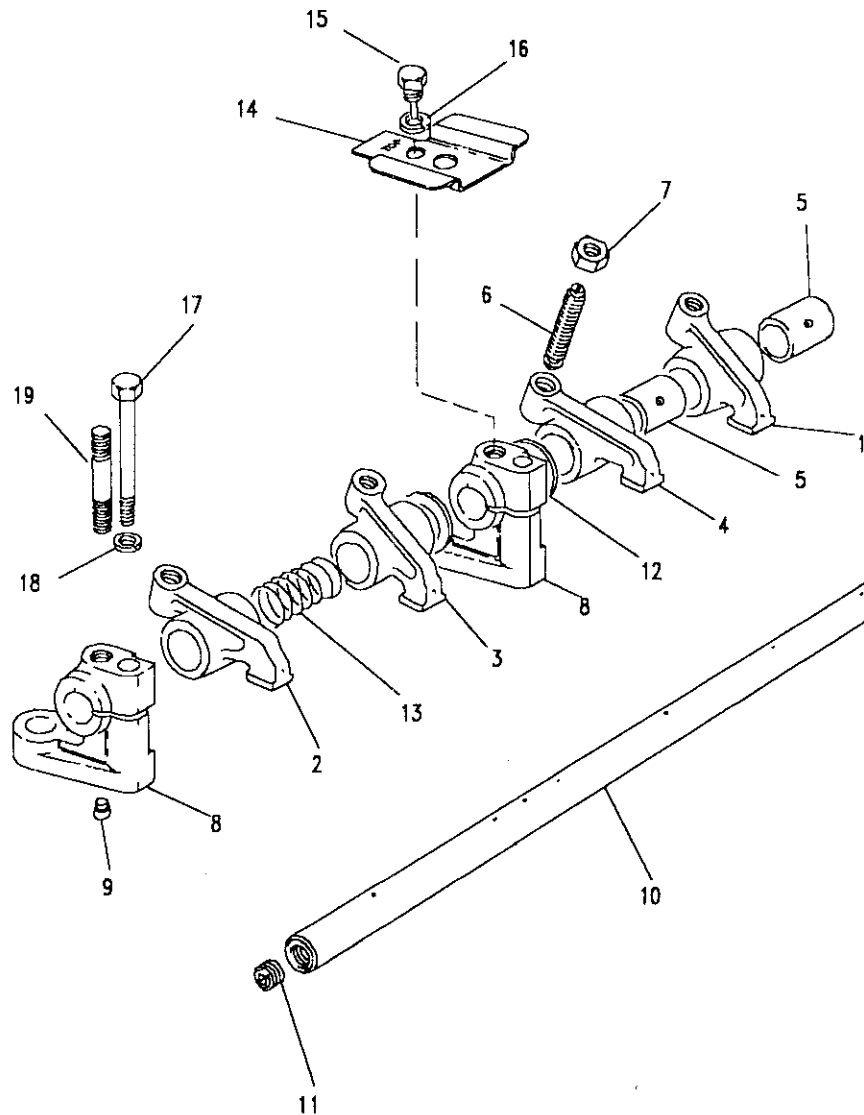


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ENGINE - CYLINDER HEAD - 2.5 PETROL



III. Part No.	Description	Qty	Remarks
17 ERC6821	Washer	18	
18 ERC8973	Adaptor-water temp	1	UptoAPRIL1989
19 AFU1890L	Washer joint	1	
20 PRC2505	Transmitter water	1	UptoAPRIL1989
PRC6663	Transmitter water	1	FromAPRIL1989
21 ERC2254	Bracket lifting-front	1	
22 ETC7135	Bracket lifting-rear	1	
23 FS108201L	Screw flanged	4	
24 WL108001L	Washer spring	4	
25 543589	Clip	1	
26 SH104121L	Screw	1	
27 WA104001L	Washer	1	
28 NH104041L	Nut	1	
29 275679	Pipe oil feed	1	
30 ETC6510	Washer joint	4	
31 ETC4498	Bolt banjo	2	



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ENGINE - ROCKERS - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ERC9103	Rocker arm assembly RH	2	
2 ERC9102	Rocker arm assembly LH	2	
3 ERC9107	Rocker arm assembly RH	2	
4 ERC9106	Rocker arm assembly LH	2	
5 247614	Bush	8	
6 ERC9054	Screw adjusting	8	
7 NT108041L	Locknut	8	
8 ERC9138	Bracket pedestal	5	
9 277956	Ring dowel	3	
10 ERC6341	Shaft rocker	1	
11 ERC6337	Plug	2	
12 525389	Washer plain	6	
13 247040	Spring	4	
14 ERC9278	Baffle plate-breather	1	
15 ETC4460	Screw-locating	1	
16 WL108001L	Washer spring	1	
17 BH108151L	Bolt	5	
18 WL108001L	Washer spring	5	
19 TE108081L	Stud	3	

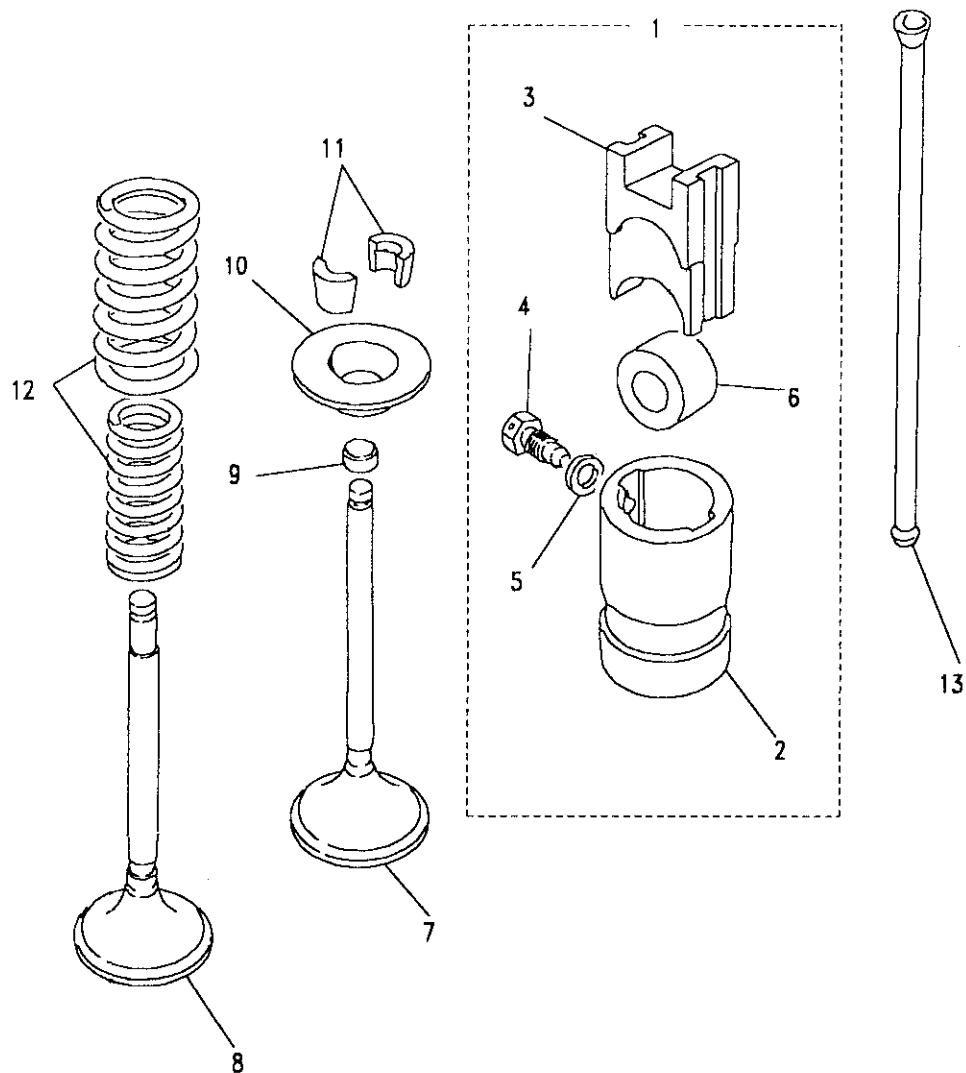
Model DEFENDER 110 1987 onwards

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ENGINE - VALVES & TAPPETS - 2.5 PETROL

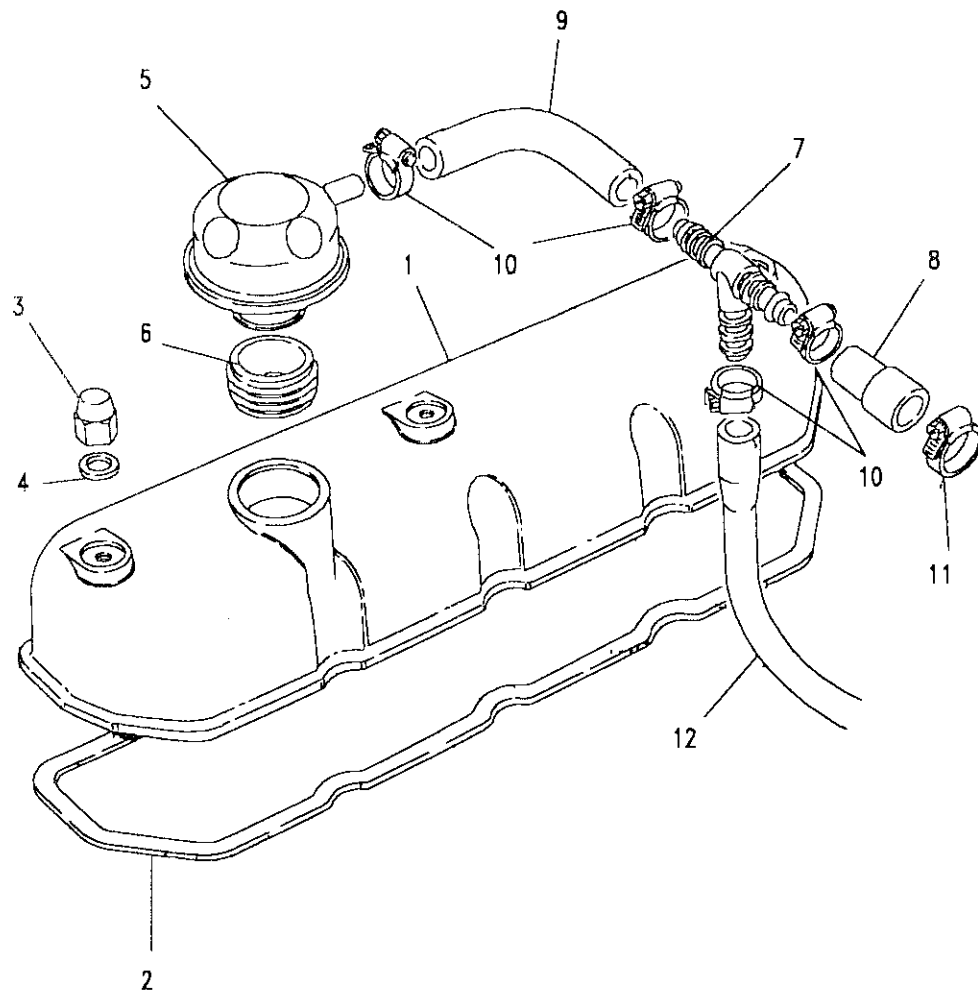
III. Part No.	Description	Qty	Remarks
1 507829	Tappet assembly	8	
2 502473	Guide tappet	8	
3 ERR607	Tappet slide	8	
4 ETC4246	Bolt	8	
5 273069	Washer plain	8	
6 ERR561	Roller follower	8	
7 ETC4067	Valve inlet	4	
8 ETC5866	Valve exhaust	4	
9 ERR4175	Cap-valve stem protection	8	Note(1)
10 ETC4068	Cup-valve spring	8	
11 ETC4069	Cotter split halves	16	
12 ERR4640	Valve spring	8	
13 546798	Push rod	8	

Note(1) ERR1158 can be fitted if there is excessive wear on stem



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ENGINE - ROCKER COVER - 2.5 PETROL

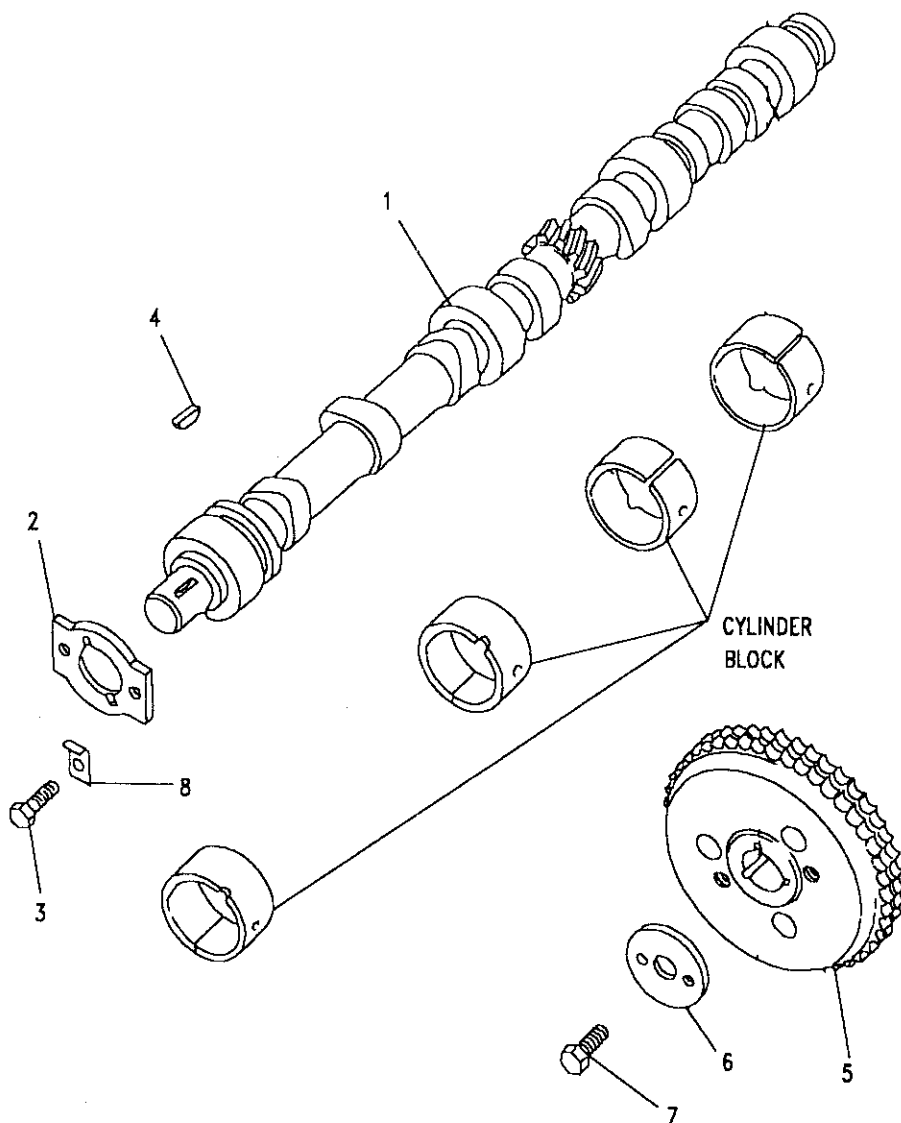


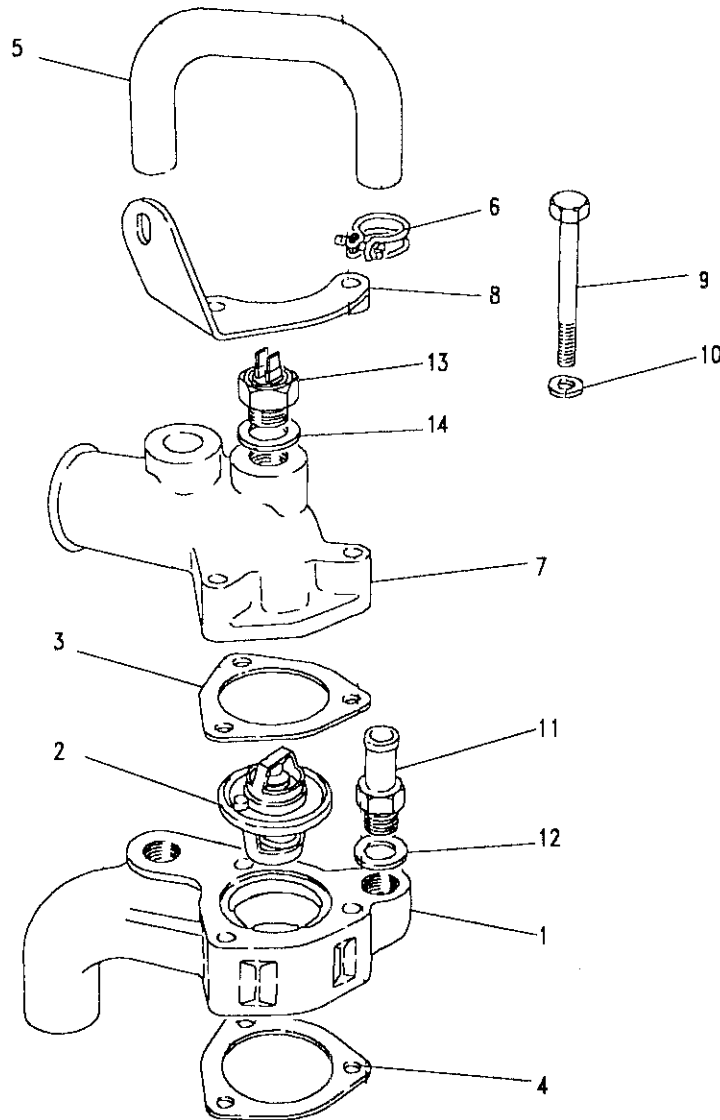
III. Part No.	Description	Qty	Remarks
1 ETC5955	Rocker cover	1	
2 ERR4933	Gasket rocker cover	1	
3 ERC9220	Nut domed	3	
4 273069	Washer sealing	3	
5 ERR1454	Breather silencer assy	1	
6 ERR736	O ring breather	1	
7 ERC6200	Tee piece	1	
8 ERC9032	Hose-tee piece to elbow	1	
9 ERC9031	Hose-rocker to tee piece	1	
10 CN100208L	Clip-hose	4	
11 CN100148L	Clip-hose	1	
12 ERC9033	Hose-tee piece to carb	1	

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ENGINE - CAMSHAFT - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC7128	Camshaft	1	
2 ERC1561	Plate thrust	1	
3 FS106167	Screw	2	
4 230313	Key woodruff	1	
5 ETC5172	Chainwheel	1	
6 ETC4140	Washer retaining	1	
7 BX110071L	Bolt retaining	1	
8 2995	Locker	2	



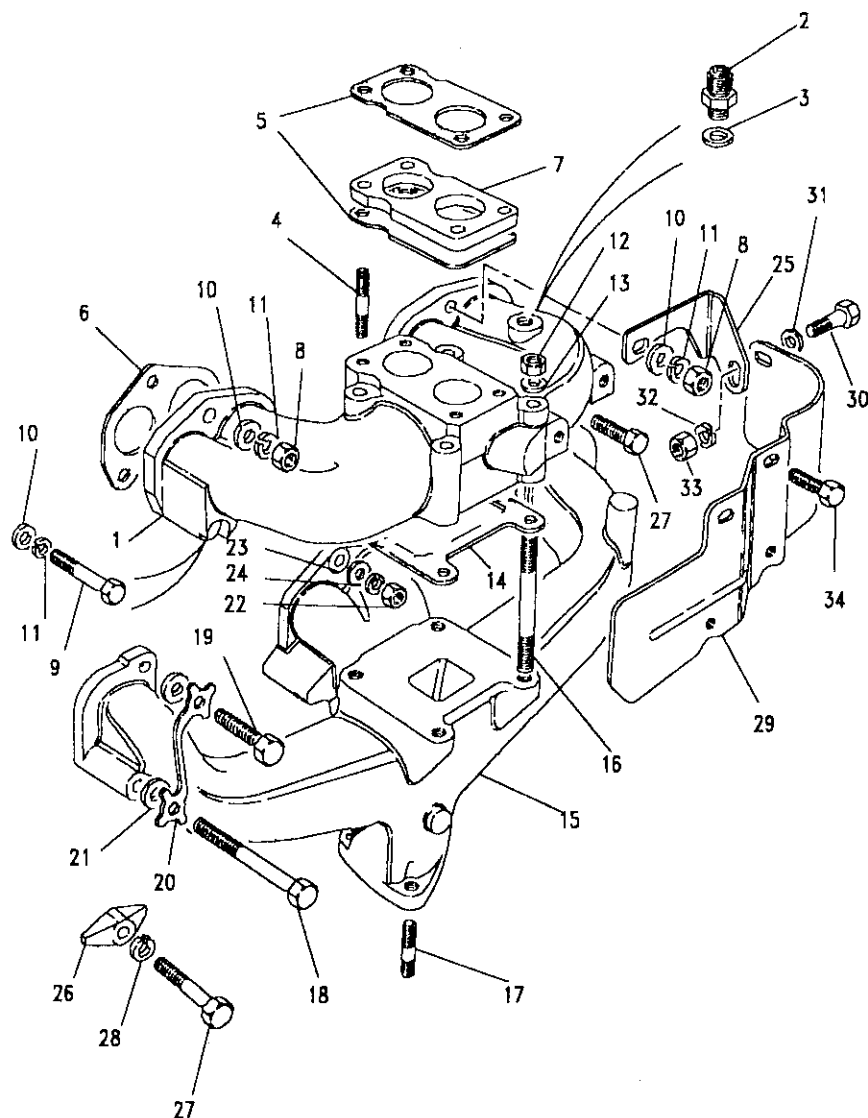


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ENGINE - THERMOSTAT HOUSING - 2.5 PETROL

III.	Part No.	Description	Qty	Remarks
1	ERC8758	Housing thermostat	1	
2	602687	Thermostat 82o	1	
	ETC4761	Thermostat 74o	1	Optional
3	ERR3682	Gasket thermostat housing	1	
4	247874	Washer joint	1	
5	ERC7510	Hose-thermo housing	1	
6	CN100258L	Clip-Hose	2	
7	ETC5967	Water outlet connector	1	NON AIR CON
	ETC5958	Water outlet connector	1	AIR CON
8	ETC5965	Bracket-cowl mounting	1	
9	BH106151L	Bolt	3	
10	WL106001L	Washer joint	3	
11	624091	Adaptor-thermo housing	2	
12	243959	Washer joint	2	
13	PRC3366	Switch-temp/sensor blue	1	)
	PRC3541	Switch-Temp/sensor red	1	)AIR CON
14	C457593	Washer	2	)

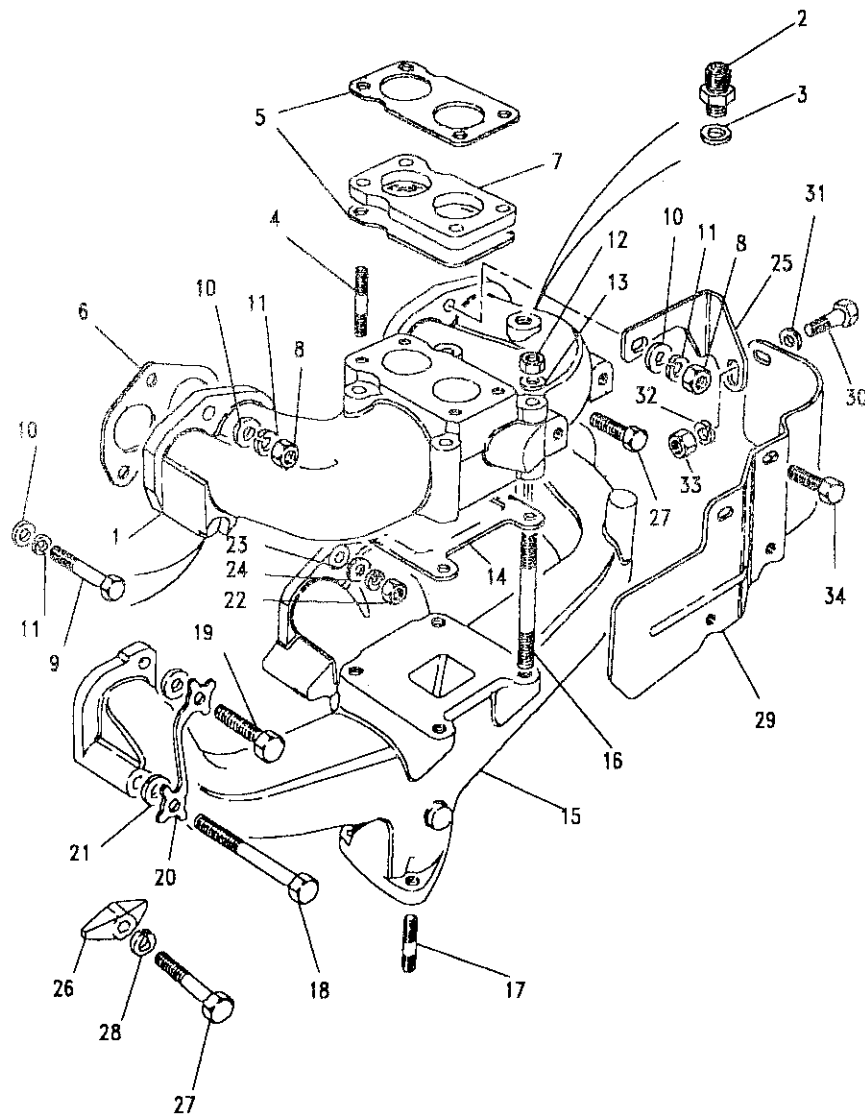


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ENGINE - MANIFOLDS - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ERC9069	Manifold inlet	1	
2 513171	Adaptor-servo	1	
ETC6929	Banjo assembly	1	Note(1)
3 243958	Washer joint	1	
4 TE108081L	Stud-carb to inlet/man	4	
NH108041L	Nut-carb to inlet/man	4	
WL108001L	Washer spring	4	
5 ERC8645	Washer joint	2	
ERR4385	Joint washer	1	From Jan 94
6 564307	Washer joint	2	
7 ERC8460	Packing piece	1	
ERR4386	Insulator heat	1	From Jan 94
8 NH108041L	Nut-manifold to head	2	
9 BH108105L	Bolt-manifold to head	2	
10 587405	Washer-manifold to head	4	
11 WL108001L	Washer spring	4	
12 NH108041L	Nut-manifold to manifold	4	
13 WA108051L	Washer	4	
14 ERC8124	Washer joint	1	
ERR4387	Gasket manifold	1	From Jan 94
15 ETC5330	Manifold exhaust	1	

Note(1) Vehicles with charcoal canister only



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ENGINE - MANIFOLDS - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
16 TE108131L	Stud-manifold to manifold	4	
17 AFU1848L	Stud-exhaust pipe	3	
18 BH108141L	Bolt-manifold to head	2	
19 SH108301L	Screw-manifold to head	2	
20 596490	Locking plate	2	
21 587405	Washer-manifold to head	4	
22 NH108041L	Nut-centre flange to head	1	
23 587405	Washer	1	
24 WL108001L	Washer spring	1	
25 ETC5040	Bracket-heat shield	1	
26 564308	Clamp-manifold to head	2	
27 BH108141L	Bolt-manifold to head	2	
28 WL108001L	Washer spring	2	
29 ERC8712	Shield-exhaust manifold	1	
30 FS108207L	Bolt-shield to manifold	1	
31 WA108051L	Washer	4	
32 WL108001L	Washer spring	3	
33 NH108041L	Nut-shield to manifold	1	
34 SH108141L	Screw-shield to manifold	2	
ERC8722	Bolt-shield to manifold	2	

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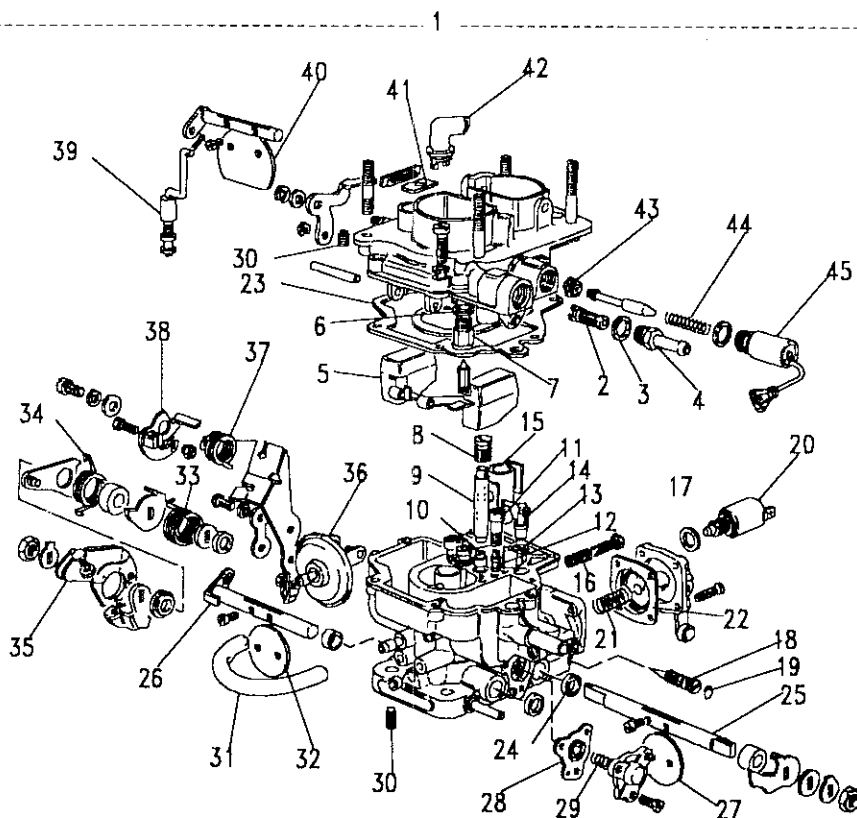
ENGINE - CARBURETTORS - 2.5 PETROL

III. Part No.

Description

Qty Remarks

1	ETC6350	Carburettor twin choke	1	Upto17H08822C
	ETC7144	Carburettor twin choke	1	From17H08823C
2	RTC4421	Filter	1	NLA
3	RTC4420	Washer	1	NLA
4	RTC4419	Fuel-inlet	1	
5	AEU2583	Float	1	
6	RTC4896	Gasket-needle valve	1	NLA
7	AEU2584	Needle valve	1	NLA
8	AEU2565	Jet air correction-prime	1	
	RTC4858	Jet air correction-sec	1	
9	AEU2566	Emulsion tube-primary	1	
	RTC4857	Emulsion tube-secondary	1	
10	RTC4852	Jet main-primary/sec	2	
11	AEU2582	Jet idle holder	1	
12	RTC4849	Jet idle-primary	1	
	AEU2580	Jet idle-secondary	1	
13	RTC4897	'O' ring	1	
14	AEU2578	Jet pump	1	NLA
15	AEU2585	Auxiliary venturi(PRI)	1	
	RTC4859	Auxiliary venturi(SEC)	1	
16	AEU2577	Spring-idle speed screw	1	
17	RTC4898	Screw idle speed	1	
18	RTC4899	Screw idle mixture	1	NLA
19	RTC4900	'O' ring-mixture screw	1	NLA
20	RTC4850	Solenoid-idle cut off	1	
21	AEU2575	Spring pump	1	
22	RTC4901	Diaphragm pump	1	NLA
23		Gasket	1	NLA
24	RTC4903	Seal shaft	3	NLA

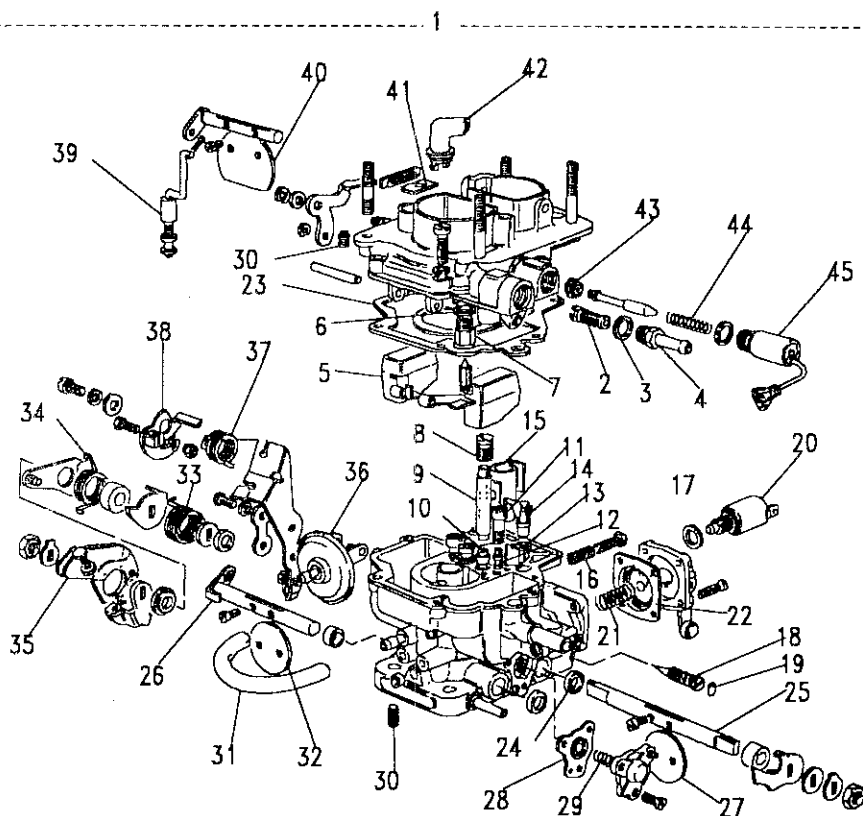


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ENGINE - CARBURETTER - 2.5 PETROL

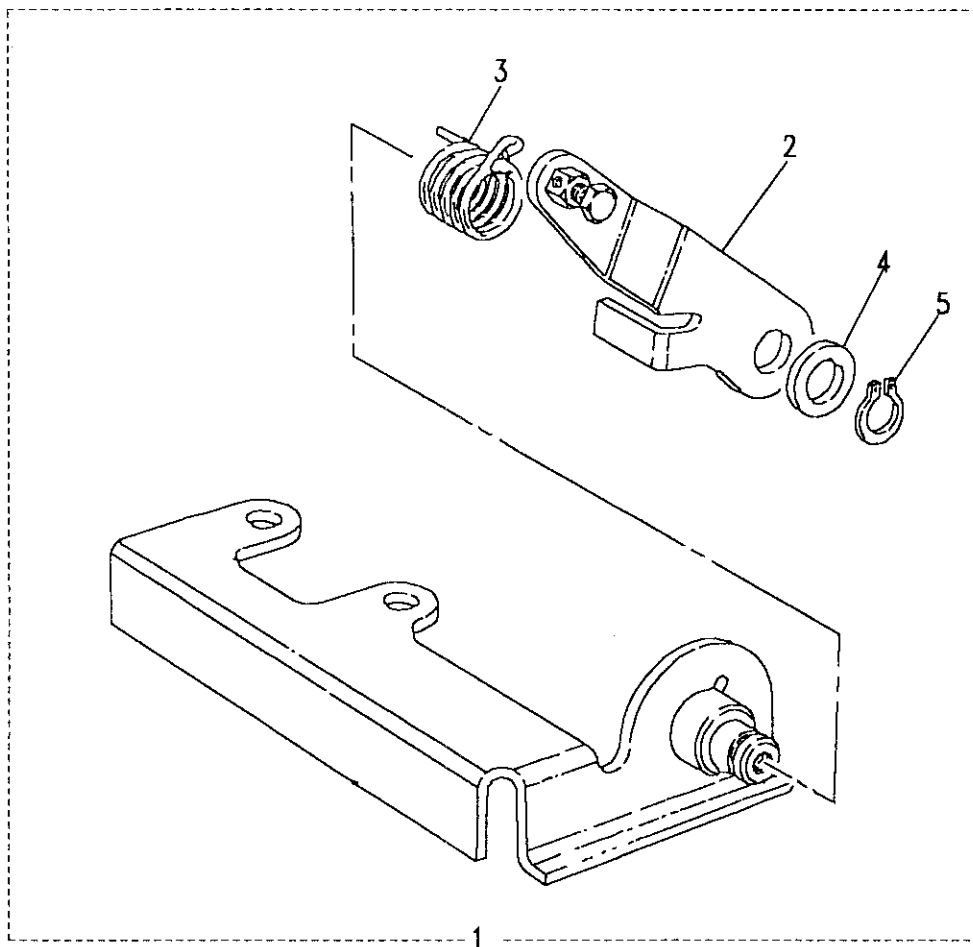
III. Part No.	Description	Qty	Remarks
25 AEU2573	Shaft primary	1	NLA
26 AEU2570	Shaft secondary	1	NLA
27 AEU2574	Plate throttle	1	NLA
28 RTC4860	Diaphragm	1	NLA
29 RTC4851	Spring valve	1	
30 AEU2579	Screw-secondary adjust	1	
AEU2579	Screw-choke setting	1	
31 RTC4904	Tube	1	
32 AEU2571	Plate throttle	1	NLA
33 AEU2569	Spring	1	
34 AEU2564	Spring	1	
35 RTC4853	Lever throttle	1	
36 AEU2560	Capsul	1	
37 AEU2564	Spring	1	
38 AEU2563	Cam fast idle	1	
39 AEU2562	Link choke	1	
40 AEU2558	Plate choke	1	
41 RTC4906	Seal dust	1	NLA
42 RTC4861	Elbow vent	1	
43 RTC3665	Seal valve	1	
44 RTC4908	Spring	1	
45 RTC3663	Solenoid	1	
RTC5970	Kit repair	1	
RTC5863	Kit overhaul	1	



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ENGINE - HAND THROTTLE - 2.5 PETROL

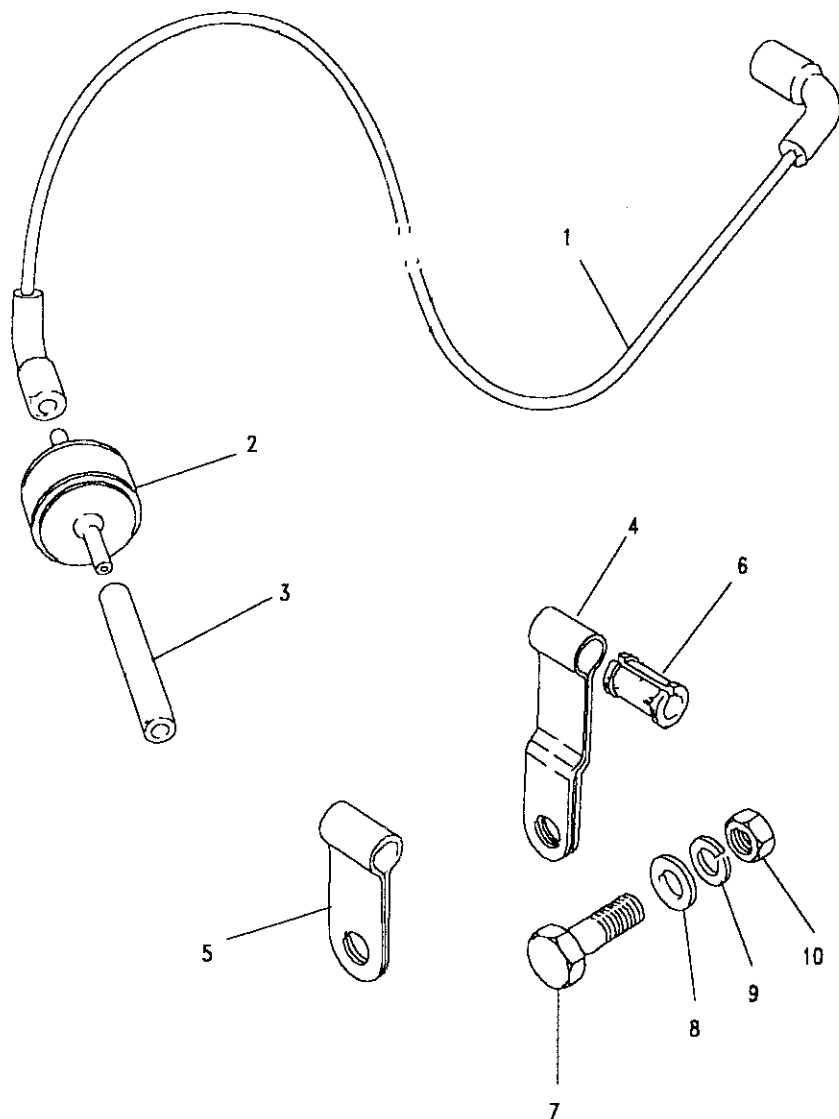
Ill. Part No.	Description	Qty	Remarks
1	ERC9708	1	Bracket assembly-hand
2	ERC9693	1	Lever assembly
3	ERC9704	1	Spring
4	WB600071L	1	Washer plain
5	CR120115L	1	Circlip



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ENGINE - VACUUM PIPES - CARBURETTER - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ERC9294	Pipe assy vacuum advance	1	
2 ERC8119	Valve-vacuum delay	1	
3 ERC6996	Hose-distributor to valve	1	
4 512646	Clip pipe	1	
5 214228	Clip pipe	1	
6 214229	Grommet-clip	2	
7 SH604051L	Screw	1	
8 RTC609	Washer	1	
9 WM600041L	Washer spring	1	
10 NH604041L	Nut	1	

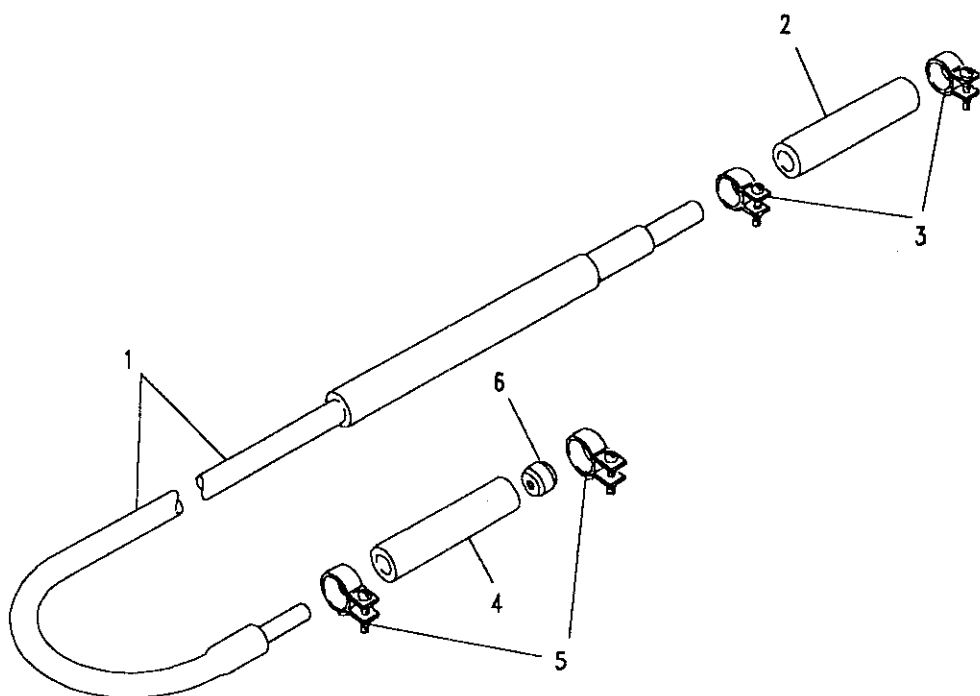


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ENGINE - FUEL PIPES - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC5027	Pipe fuel assembly	1	
2 ETC6155	Hose connector-fuel pipe	1	
3 EAC32151	Clip hose-connector	2	
4 ETC6156	Connector hose-fuel pipe	1	
5 EAC32151	Hose clip-connector	2	
6 ETC6243	Restrictor	1	





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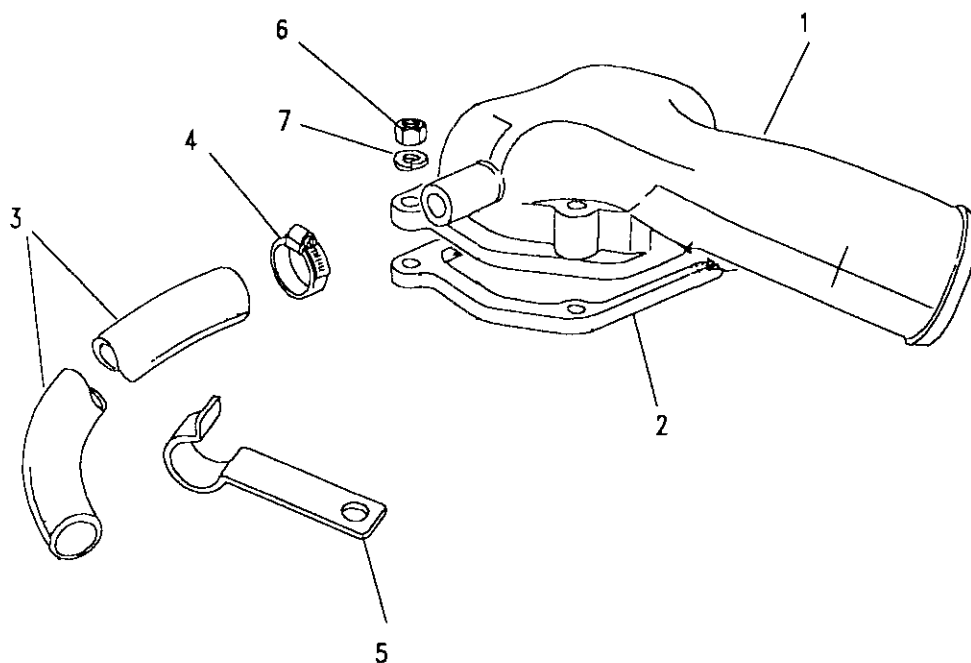
ENGINE

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ENGINE - CARBURETTER FIXINGS - 2.5 PETROL

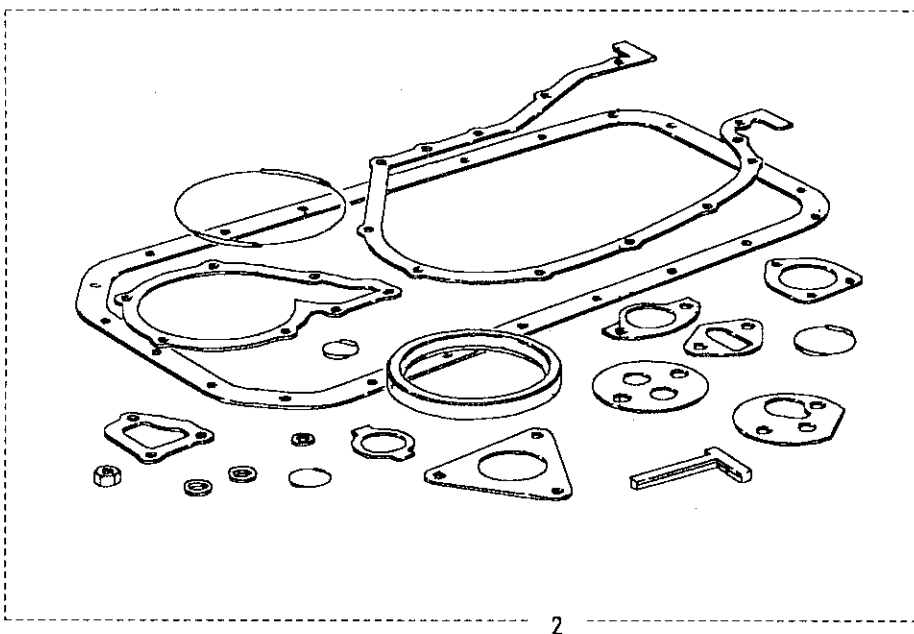
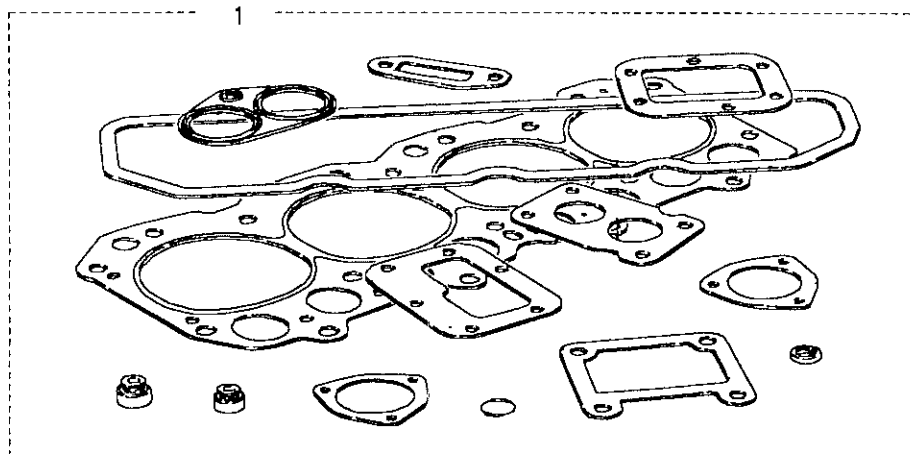
III. Part No.	Description	Qty	Remarks
1 ERR539	Elbow air inlet	1	
2 ERC7922	Gasket-elbow	1	
ERR4384	Gasket elbow	1	From Jan 94
3 ERC298	Hose-carburetter vent	1	
4 AAU1979	Clip hose	1	
5 ETC4959	Clip hose	1	
6 NH105041L	Nut-elbow to carb	4	
7 WL105001L	Washer-elbow to carb	4	



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ENGINE - GASKET KITS - 2.5 PETROL

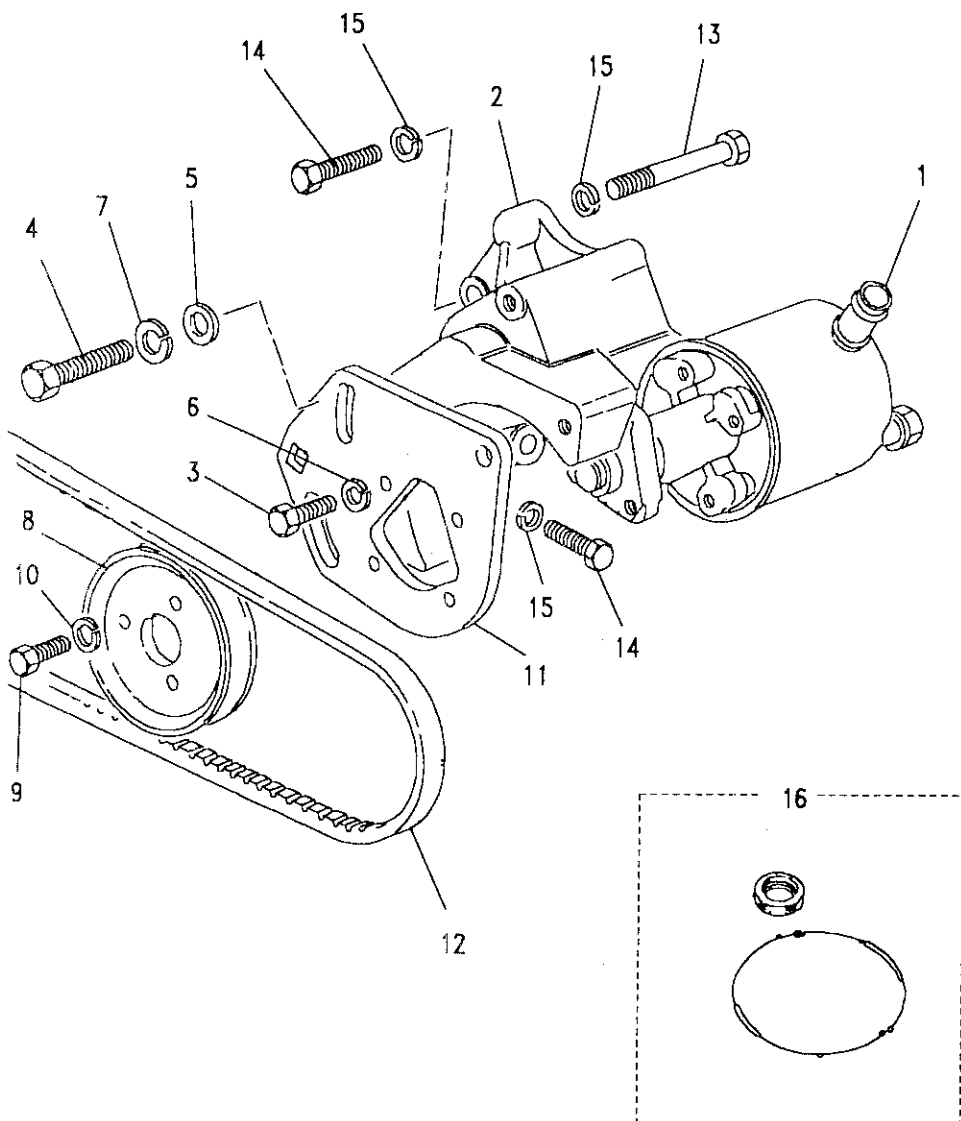
III. Part No.	Description	Qty	Remarks
1 RTC2889	Kit gasket/seals-decarb	1	
STC1640	Kit gasket cylinder head	1	From Jan 94
2 RTC2890	Kit gasket/seals-overhaul	1	
STC1467	Kit gasket overhaul	1	From Jan 94

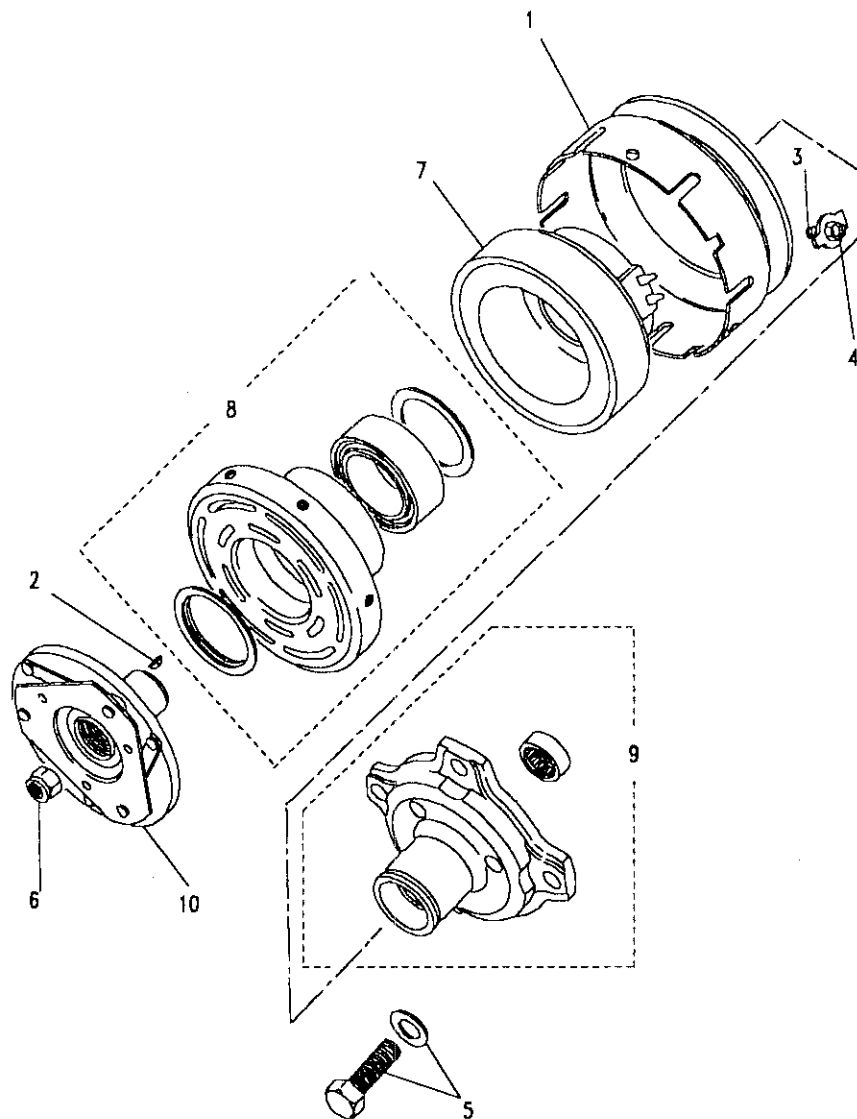


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ENGINE - POWER STEERING PUMP - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC9077	Pump power steering	1	)UptoJUNE1989
RTC5674	Banjo	1	
RTC5675	Washer sealing	1	
1 NTC8287	Pump power steering	1	)fromJUNE1989
1 NTC9070	Pump power steering	1	)UptoJULY1992
2 ERC6974	Bracket mounting	1	
ETC8854	Bracket mounting	1	FromJULY1992
3 FS106201L	Screw-pump to bracket	4	
4 SH108251L	Screw-pump to bracket	3	
5 WA108051L	Washer-pump to bracket	2	
6 WL106001L	Washer spring	4	
7 WL108001L	Washer spring	3	
8 ETC5783	Pulley-power steering	1	
9 SH108141L	Screw-pulley to pump	3	
10 WL108001L	Washer spring	3	
11 ERR1976	Plate mounting-NTC8287	1	Upto JULY1992
ERR2605	Plate mounting	1	
12 ETC5815	Belt-power steering pump	1	
13 BH108181L	Bolt	1	
14 SH108251L	Screw	3	
SH108301L	Screw	1	
15 WL108001L	Washer spring	5	
16 RTC5935	Kit seal (ETC9077)	1	
STC1633	Kit seal (NTC9070)	1	



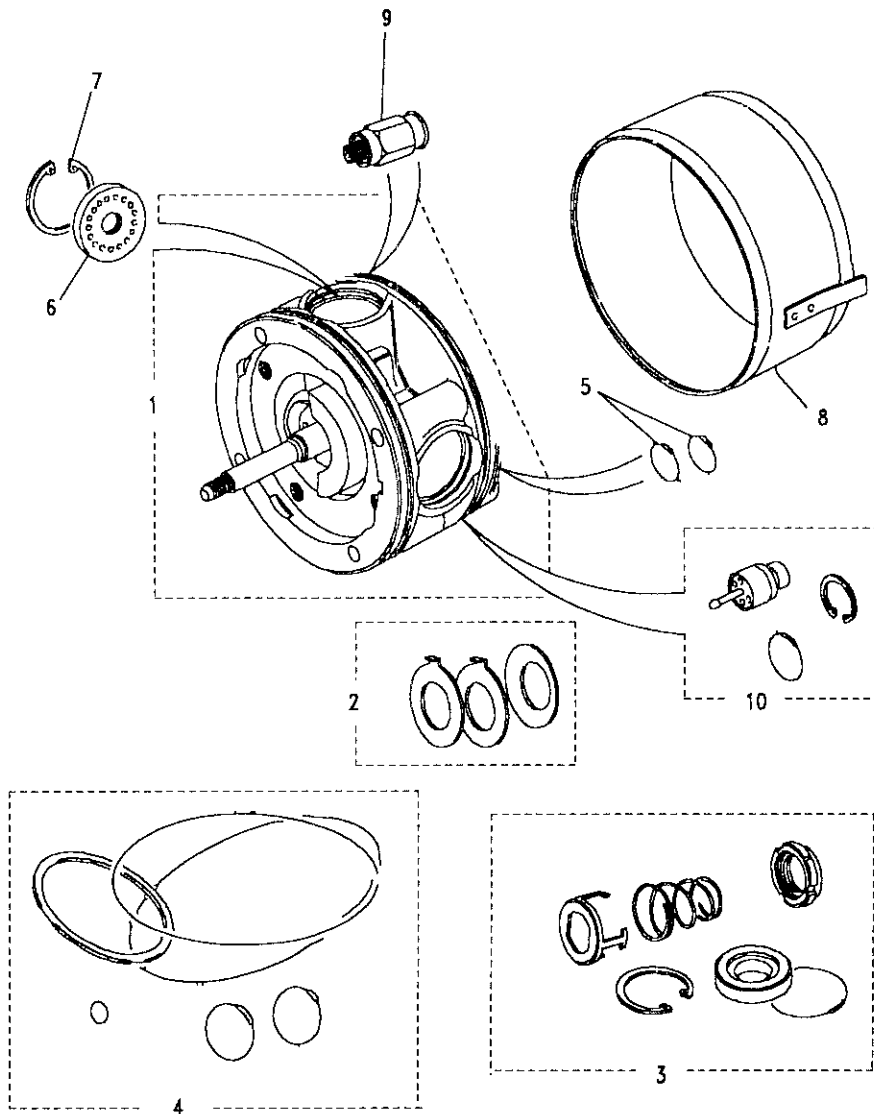


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ENGINE - AIRCON COMPRESSOR - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
BTR9419	Compressor assembly	1	Note(2)
ERC6480	Compressor assembly	1	Note(1)
1 AEU1782	Pulley rim	1	
2 AEU1694	Key-clutch hub	1	
3 AEU1780	Screw-rim mounting	6	
4 AEU1779	Washer-rim mounting	6	
5 AEU1784	Screw and washer assy	4	
6 AEU1775	Nut-shaft	1	
7 AEU1778	Coil and housing assy	1	
8 AEU1777	Rotor and bearing assy	1	
9 AEU1785	Front head/bearing assy	1	
10 AEU1776	Clutch assembly	1	

Note(1) Up to VIN MA949374
Note(2) From VIN MA949375



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ENGINE - AIRCON COMPRESSOR - 2.5 PETROL

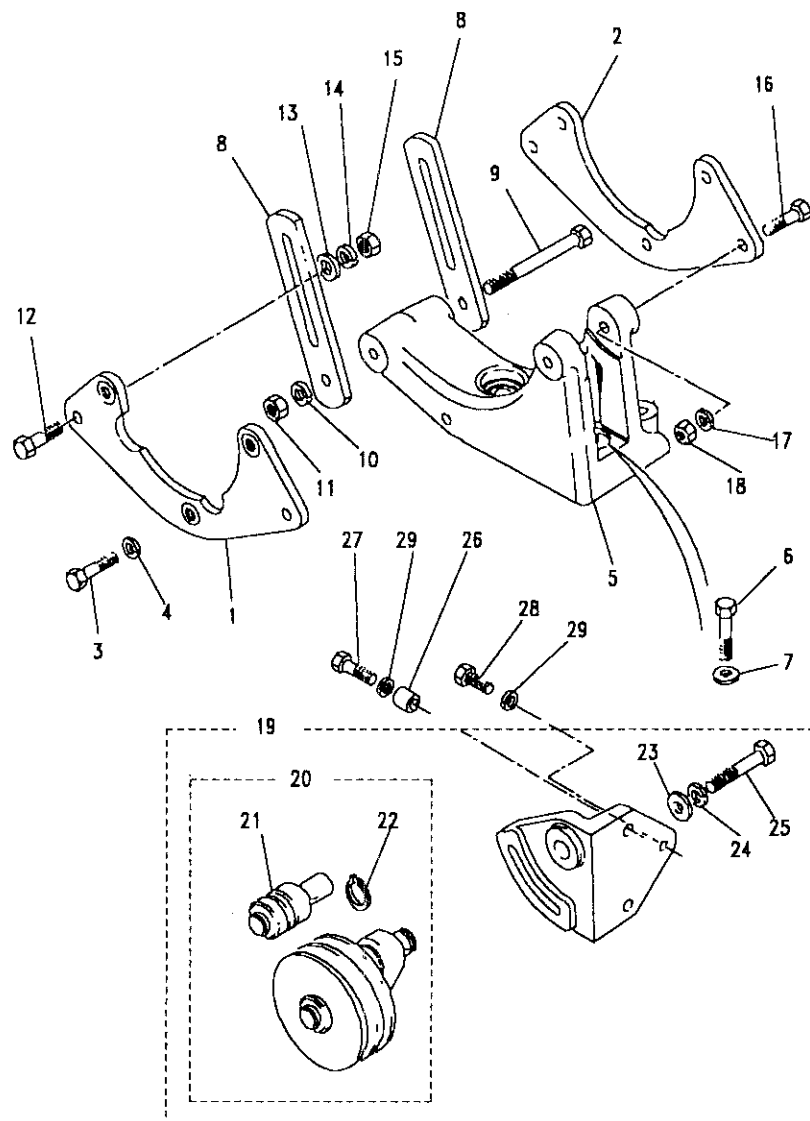
III. Part No.	Description	Qty	Remarks
BTR9419	Compressor assembly	1	Note(2)
ERC6480	Compressor assembly	1	Note(1)
1 AEU1792	Kit-cylinder and shaft	1	
2 AEU1791	Kit-thrust washers	1	
3 AEU1790	Kit-shaft seal	1	
4 AEU1192	Kit O rings	1	
5 AEU1690	O ring-ports	2	
6 AEU1788	Plate valve assembly	4	
7 AEU1787	Ring retaining	4	
8 AEU1786	Shell assembly	1	
9 AEU1689	Valve pressure release	1	
10 AEU1688	Kit-superhead switch	1	
ERC6072	Belt-driving twin belt	2	
ETC4371	Belt-driving single belt	1	
AEU1691	Oil-525 visco/2pt(1136ml)	A/R	

Note(1)
Note(2)

Up to VIN MA949374
From VIN MA949375

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ENGINE - COMPRESSOR FIXINGS - 2.5 PETROL



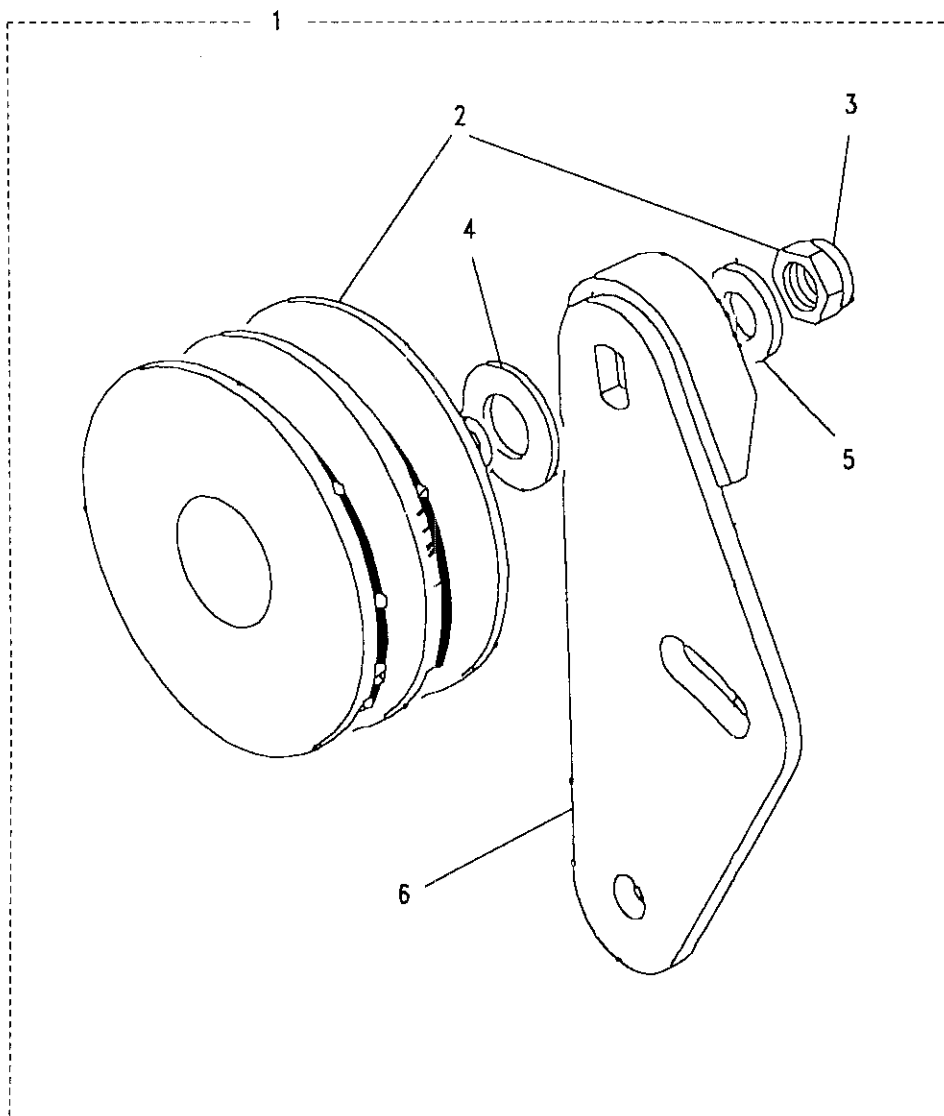
III. Part No.	Description	Qty	Remarks
1	ERC7082	1	plate mounting-front
2	ERC5152	1	Plate mounting-rear
3	BH110201L	3	Bolt-compressor to plate
4	WL110001L	3	Washer spring
5	ERC5151	1	Bracket-mounting compress
6	BH110101L	4	Bolt-bracket to cover
7	WA110061L	4	Washer plain
8	ERC5155	2	Link-adjusting
9	BH108181L	1	Bolt-link to bracket
10	WL108001L	1	Washer spring
11	NH108041L	1	Nut
12	SH108251L	2	Screw-link to plate
13	WA108051L	2	Washer
14	WL108001L	2	Washer spring
15	NH108041L	2	Nut
16	FB108081L	2	Bolt-bracket to plates
17	WL108001L	2	Washer spring
18	NH108041L	2	Nut
19	ERC5386	1	Idler assembly
20	ERC5387	1	Idler arm assembly
21	90613049	1	Bearing idler
22	CR120171L	1	Circlip
23	WC108051L	1	Washer-idler arm clamp
24	WL108001L	1	Washer spring
25	FB108081L	1	Bolt-idler arm clamp
26	ERC6071	2	Dowel hollow
27	FS108301L	2	Bolt
28	SH108251L	1	Screw
29	WL108001L	3	Washer spring

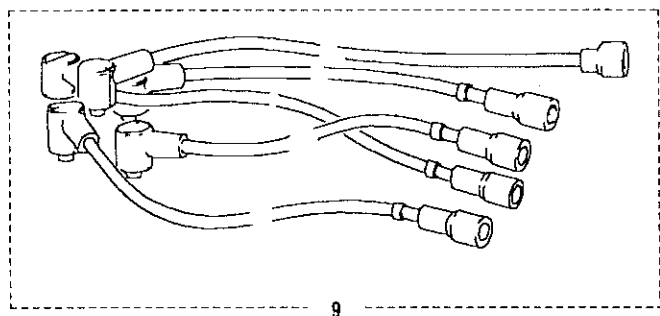
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ENGINE - AIRCON IDLER PULLEY - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC7756	Pulley damper assembly	1	
2 554971	Pulley	1	
3 RTC6077	Nut	1	
4 4095	washer plain	1	
5 WB108051L	Washer plain	1	
6 ETC4212	Plate mounting	1	

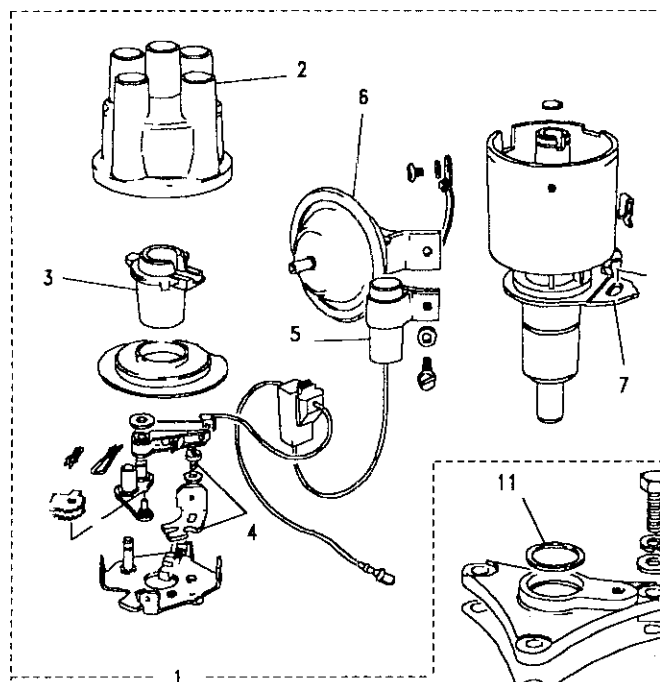




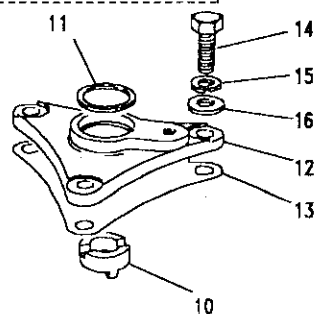
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ENGINE - DISTRIBUTOR - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC5835	Distributor	1	Note(1)
2 RTC3278	Cap	1	
3 RTC3614	Rotor arm	1	
4 RTC6627	Contact set	1	Note(2)
5 RTC5947	Contact set	1	Note(3)
6 RTC3474	Capacitor	1	
7 AEU1034	Vacuum unit	1	
8 245003	Plate clamping	1	
9 RTC3812	Spark plug	4	
10 ERC3256	Lead ignition set	1	
11 549611	Drive coupling	1	
12 52278	Washer cork	1	
13 ETC4466	Adaptor	1	
14 247212	Washer joint	1	
15 FS108207L	Screw	3	
16 WL108001L	Washer spring	3	
17 WA108051L	Washer	3	
18 FS106167	Screw	1	
19 WL106001L	Washer spring	1	
20 WB106041L	Washer	1	

Note(1)

LUCAS number 42618

Note(2)

Sliding contact-replace at 24000 miles(40000 KMS) or 2 years

Note(3)

Fixed contact type-replace at 12000 miles(20000 KMS) or 1 year



DEFENDER 110 1987 onwards

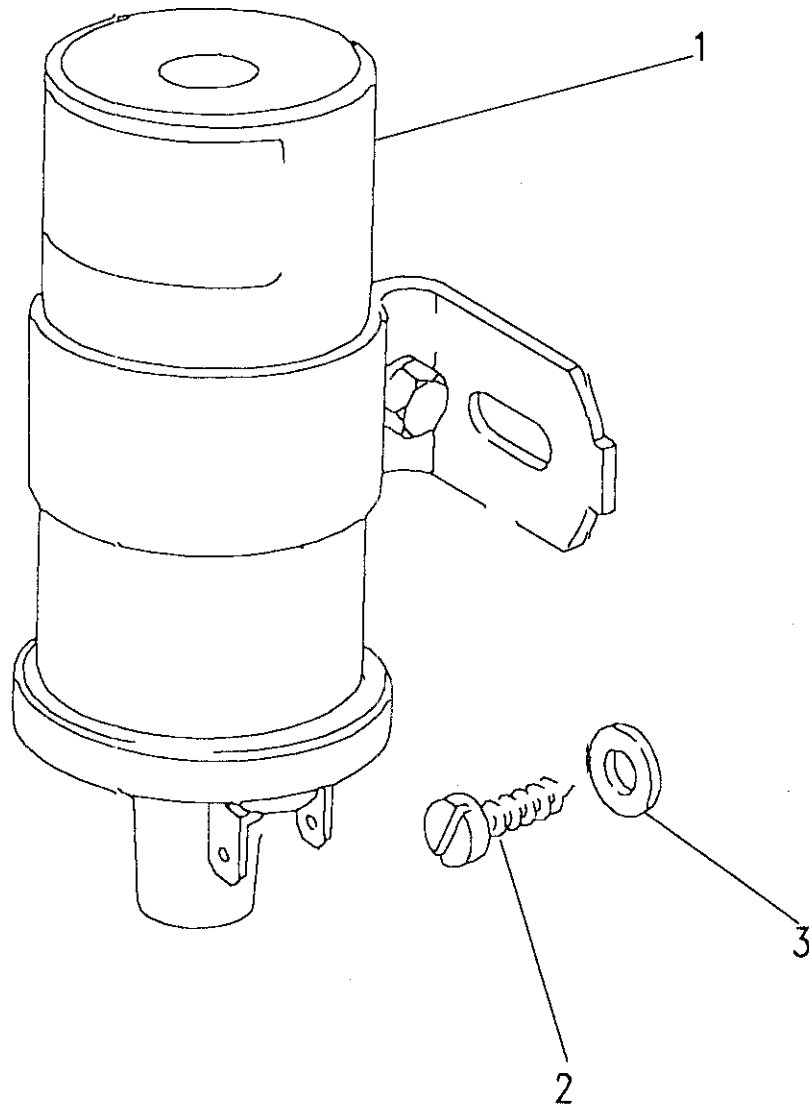
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ENGINE

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ENGINE - IGNITION COIL - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 RTC5629	Coil ignition	1	
2 AB614061L	Screw	2	
3 WJ106007	Washer plain	2	



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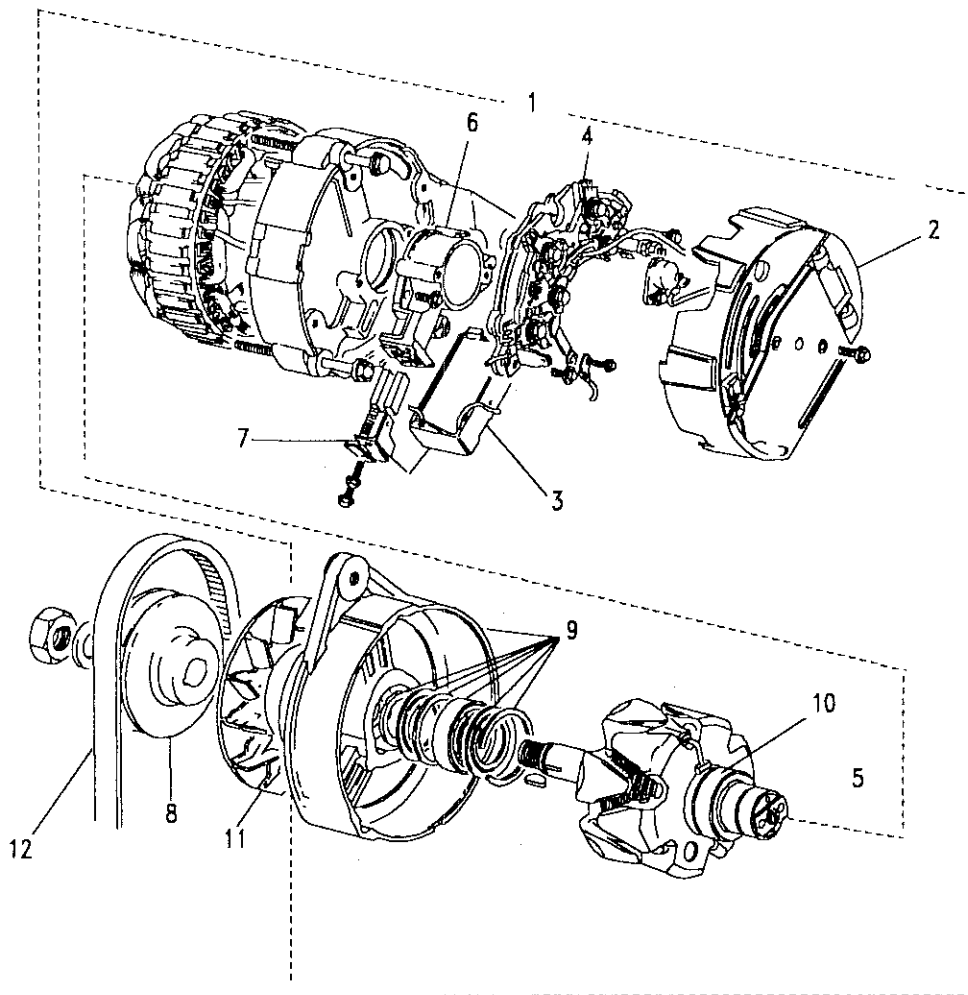
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ENGINE - ALTERNATOR - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 RTC5083E	Alternator A115/45 AMP	1	Note(1)
2 AEU2507	Cover	1	
3 AEU3076	Regulator	1	
4 BAU1825	Rectifier	1	
5 BAU2193	Slip ring	1	
6 BAU2195	Brush box	1	
7 RTC3215	Brush set	1	
8 568788	Pulley	1	
9 18G8619L	Kit-bearing-drive end	1	
10 AEU1532	Kit-slip ring and bearing	1	
11 C37222L	Fan	1	
12 ETC7939	Belt fan	1	
AEU1706	Kit-screws	1	
AEU1710	Kit-sundry parts	1	
AEU1942	Kit-spacer	1	

Note(1)

LUCAS number LRA356

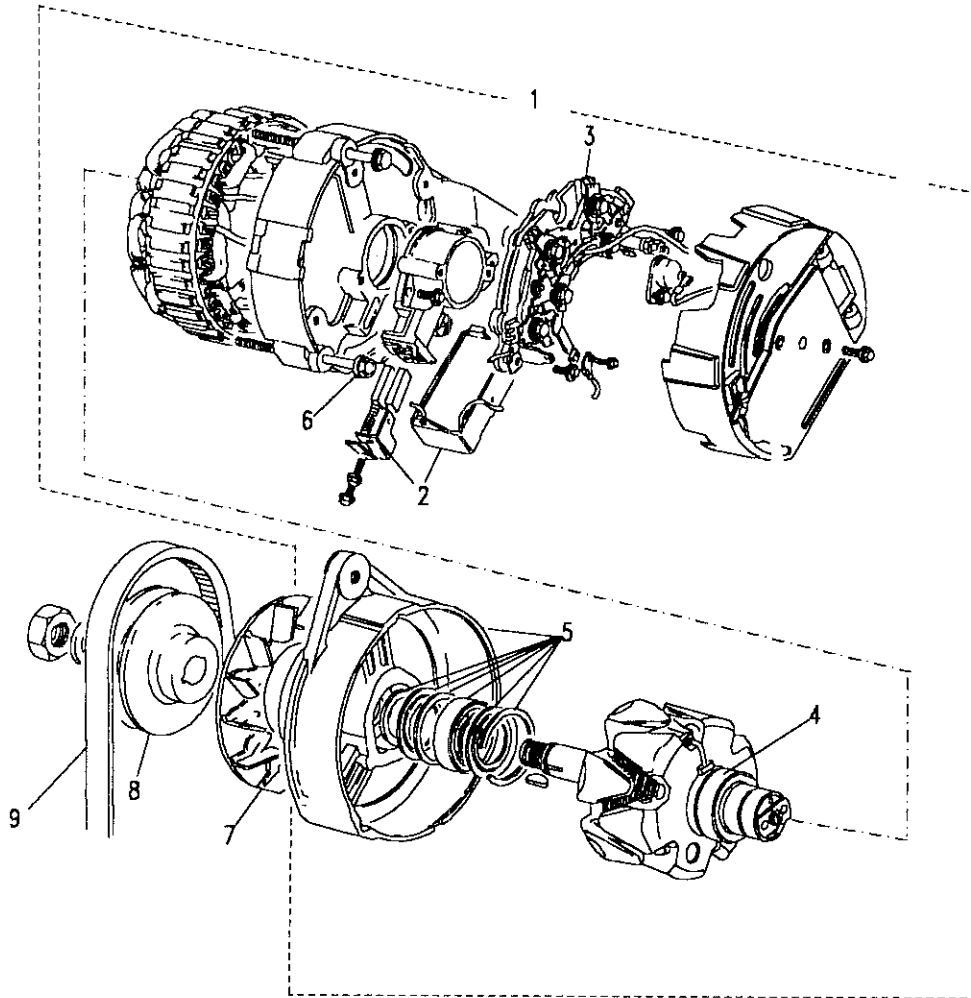


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ENGINE - ALTERNATOR - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 RTC5682N	Alternator A127/45 AMP	1	Note(1)
RTC5682E	Alternator A127/45 AMP	1	
2 RTC5670	Regulator/brush box	1	
3 RTC5684	Rectifier	1	
4 RTC5926	Bearing-slip ring end	1	
5 RTC5687	Bracket & bearing-drive	1	
6 RTC5925	Kit-through bolts	1	
7 RTC5685	Fan	1	
8 RTC5686	Pulley	1	
9 ETC7939	Belt fan	1	
RTC5689	Spacer-pulley	1	

Note(1) LUCAS number 24199



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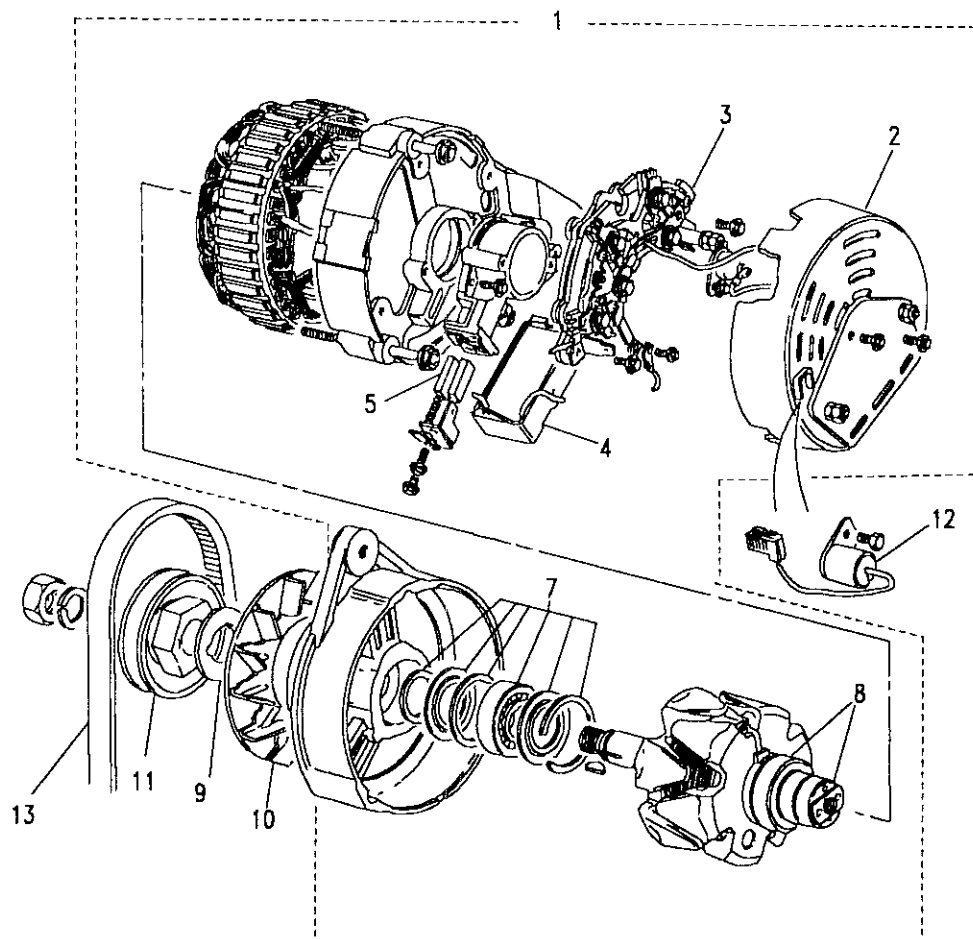
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ENGINE - ALTERNATOR - 2.5 PETROL - AIR CON

III. Part No.	Description	Qty	Remarks
1 RTC5218E	Alternator A133/65 AMP	1	Note(1)
2 AEU1725	Cover	1	
3 AEU1915	Regulator	1	
4 AEU1527	Rectifier	1	
5 RTC3292	Brush set	1	
6 STC130	Surge protection device	1	
7 AEU1726	Kit bearing-drive end	1	
8 AEU1532	Kit bearing-slip ring end	1	
9 AEU1710	Kit-sundry parts	1	
ERC8987	Nut-special	1	
10 ADU4928L	Fan	1	
11 ERC8986	Pulley	1	
12 AEU1616	Capacitor suppression	1	
13 ETC7939	Belt fan	1	
AEU1706	Kit-screw	1	
AEU1708	Kit-spacer	1	
AEU1709	Kit-terminal	1	

Note(1)

LUCAS number LRA406



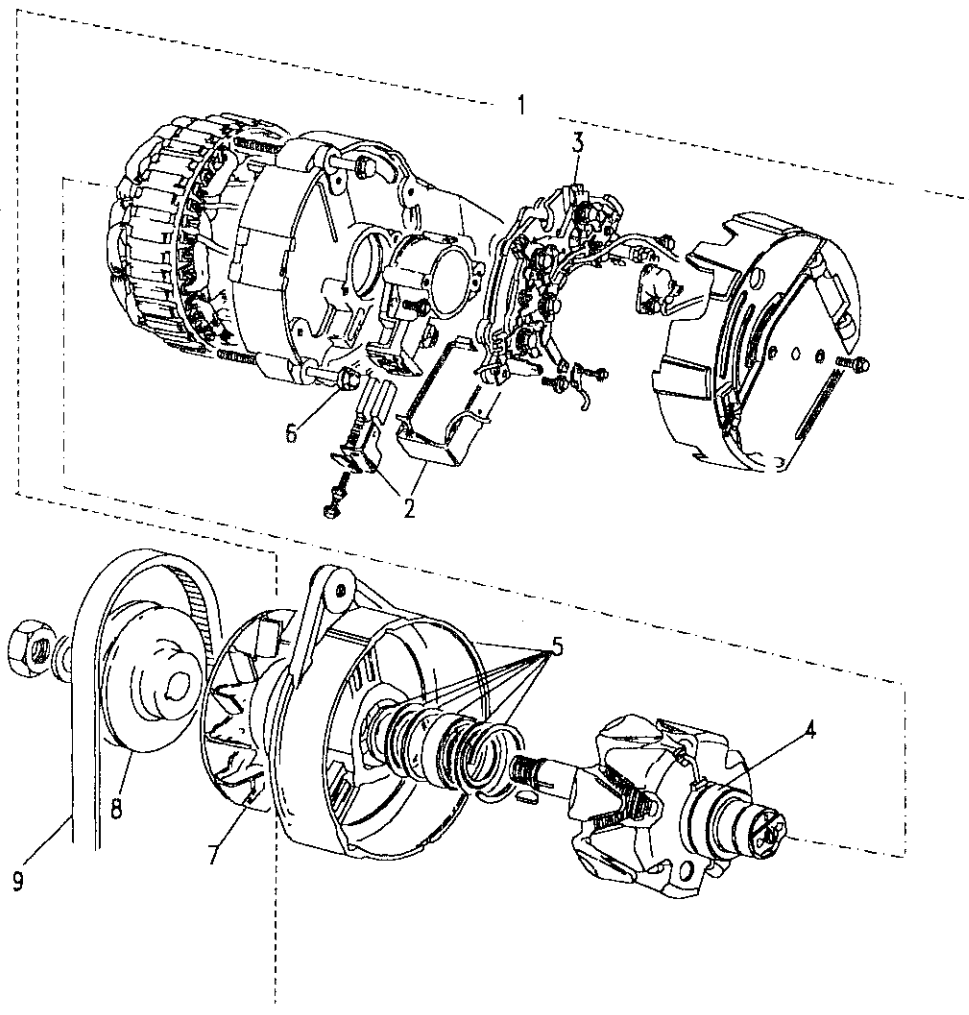
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ENGINE- ALTERNATOR - 2.5 PETROL - AIR CON

III. Part No.	Description	Qty	Remarks
1 RTC5680N	Alternator A127/65 AMP	1	Note(1)
RTC5680E	Alternator A127/65 AMP	1	
2 RTC5670	Regulator & brush box	1	
3 RTC5671	Rectifier	1	
4 RTC5926	Bearing-slip ring end	1	
5 RTC5687	Bracket & bearing-drive	1	
6 RTC5925	Kit-through bolts	1	
7 AAU2249L	Fan	1	
8 RTC5686	Pulley	1	
9 ETC7939	Belt fan	1	
RTC5689	Spacer-pulley	1	

Note(1) LUCAS number 24220



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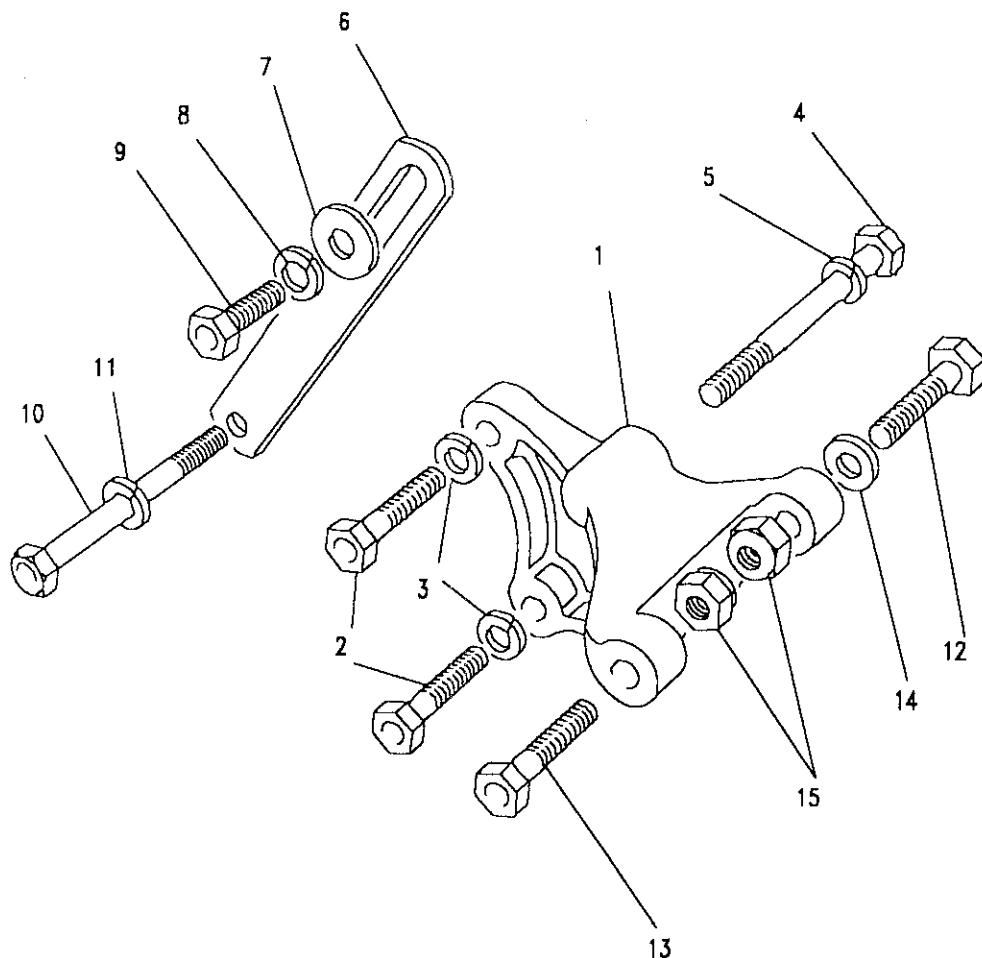
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ENGINE - ALTERNATOR FIXINGS - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1	ETC4357	1	Bracket-alternator
2	SH108301L	2	Screw-bracket to block
3	WL108001L	2	Washer spring
4	BH108161L	1	Bolt-bracket to block
5	WL108001L	1	Washer spring
6	ERC5139	1	Link adjusting
	ERC6266	1	Link adjusting
7	2266L	1	Washer-link to alternator
8	WL108001L	1	Washer link
9	SH108251L	1	Screw-link to alternator
10	BH108201L	1	Bolt-link to block
11	WL108001L	1	Washer spring
12	FB108081L	1	Bolt flanged
13	BH108091L	1	Bolt
14	WC108051L	1	Washer
15	NY108041L	2	Nut nyloc

Note(1) Use with A115 & A133 type alternator

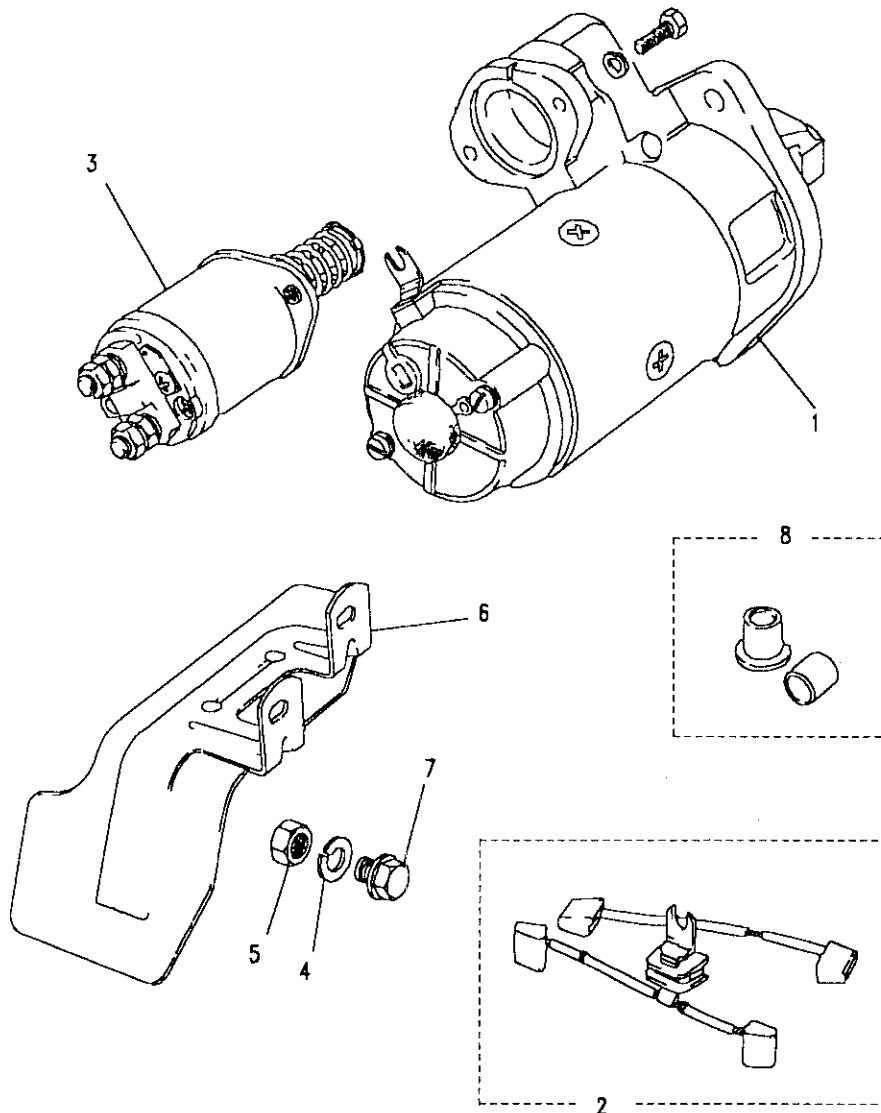
Note(2) Use with A127 type alternator



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ENGINE - STARTER - 2.5 PETROL

Ill. Part No.	Description	Qty	Remarks
1 PRC6613N	Starter motor-26800	1	Upto17H26367C
NAD10040	Starter motor	1	From17H26368C
2 RTC5048	Kit brush	1	
3 RTC5049	Solenoid	1	
STC742	Drive assembly	1	
4 WL110001L	Washer spring	2	
5 NH110041L	Nut-fixing starter	2	
6 ETC4133	Heat Shield Assembly	1	
7 ERC8722	Bolt-shield to exh/man	2	
8 RTC5563	Kit-bush	1	
608395	Kit-retention	1	
RTC5577	Kit-sundry parts	1	



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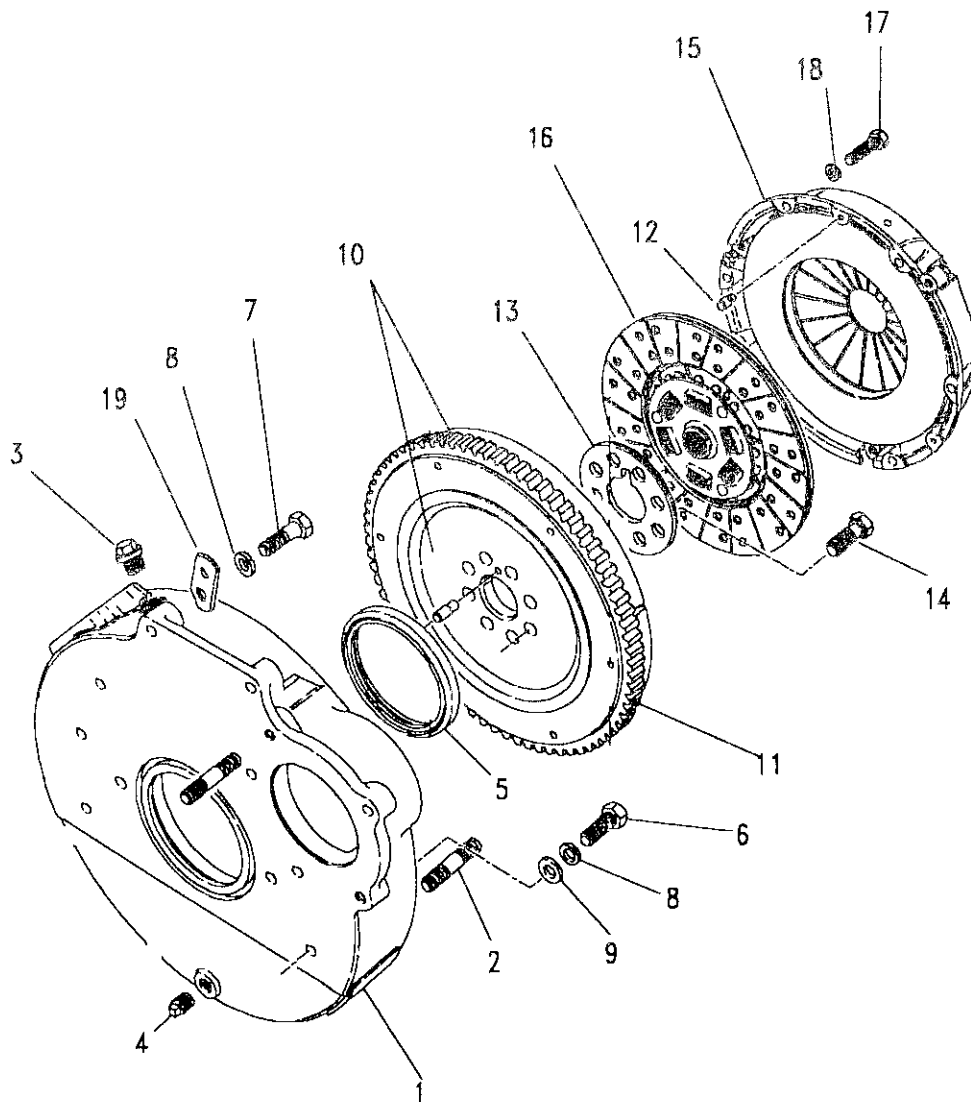
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ENGINE - FLYWHEEL & CLUTCH - 2.5 PETROL

III. Part No.	Description	Qty	Remarks
1 ETC6394	Housing flywheel assembly	1	
2 TE110061L	Stud-bell housing	13	
3 ERC7295	Plug	1	
NH110041L	Nut	11	
4 ERC7295	Plug drain-fly/hsg	1	
5 ERR1535	Seal oil main	1	Upto17H22797C
ERR2532	Seal oil main	1	From17H22798C
6 SH110301L	Bolt	6	
7 BX110071L	Bolt	2	
8 WL110001L	Washer spring	2	
9 WA110061L	Washer plain	6	
10 ERC6408	Flywheel starter ring	1	
11 ERC5293	Ring starter	1	
12 502116	Dowel-clutch	3	
13 ERC4658	Plate reinforcement	1	Note(1)
14 ERC6551	Bolt-fly/crankshaft	8	Note(1)
ERR4574	Bolt-fly/crankshaft	8	
15 576557	Cover clutch	1	
16 FRC2671	Plate clutch	1	
FTC159	Plate clutch-asb/free	1	UptoJAN1993
FTC3196	Plate clutch-asb/free	1	FromJAN1993
STC8359	Kit clutch	1	
576557	Cover	1	
FTC159	Plate	1	
FRC9568	Bearing	1	
17 SX108201L	Bolt set	6	
18 WL108001L	Washer spring	6	
19 ERC9404	Bracket-clip to housing	2	
AFU1090L	Clip	2	

Note(1)

Only fitted up to Dec 93. The reinforcing plate was found to serve no useful purpose. If replacing use shorterscrews ERR4574.





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GROUP B

ENGINE

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ENGINE

ALTERNATOR FIXINGS - 2.5 DIESEL
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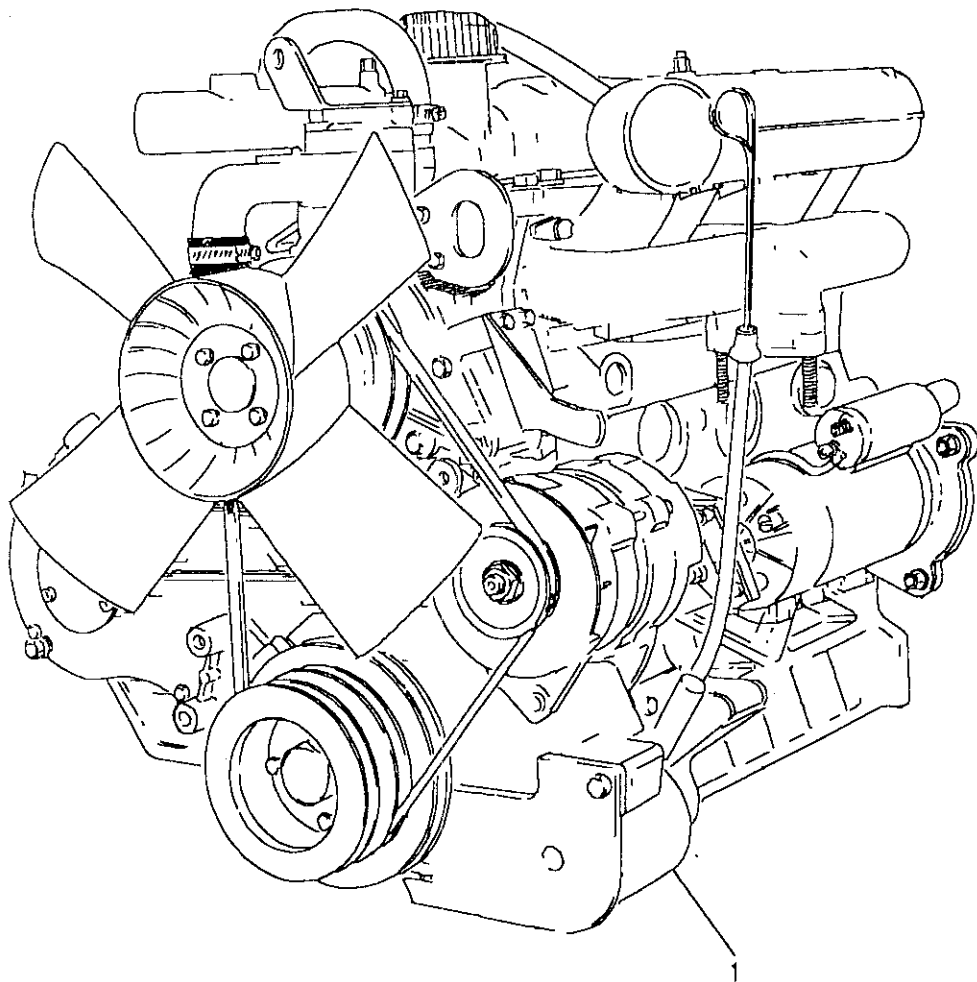
ENGINE

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ENGINE - ENGINE COMPLETE - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 STC1257	Engine complete assembly	1	12J00001C

Note(1) Engine fitted with 65 amp alternator. If replacing an engine fitted with a 45 amp alternator also fit new harness PRC6082, if the vehicle is fitted with air conditioning the new harness is PRC6081.





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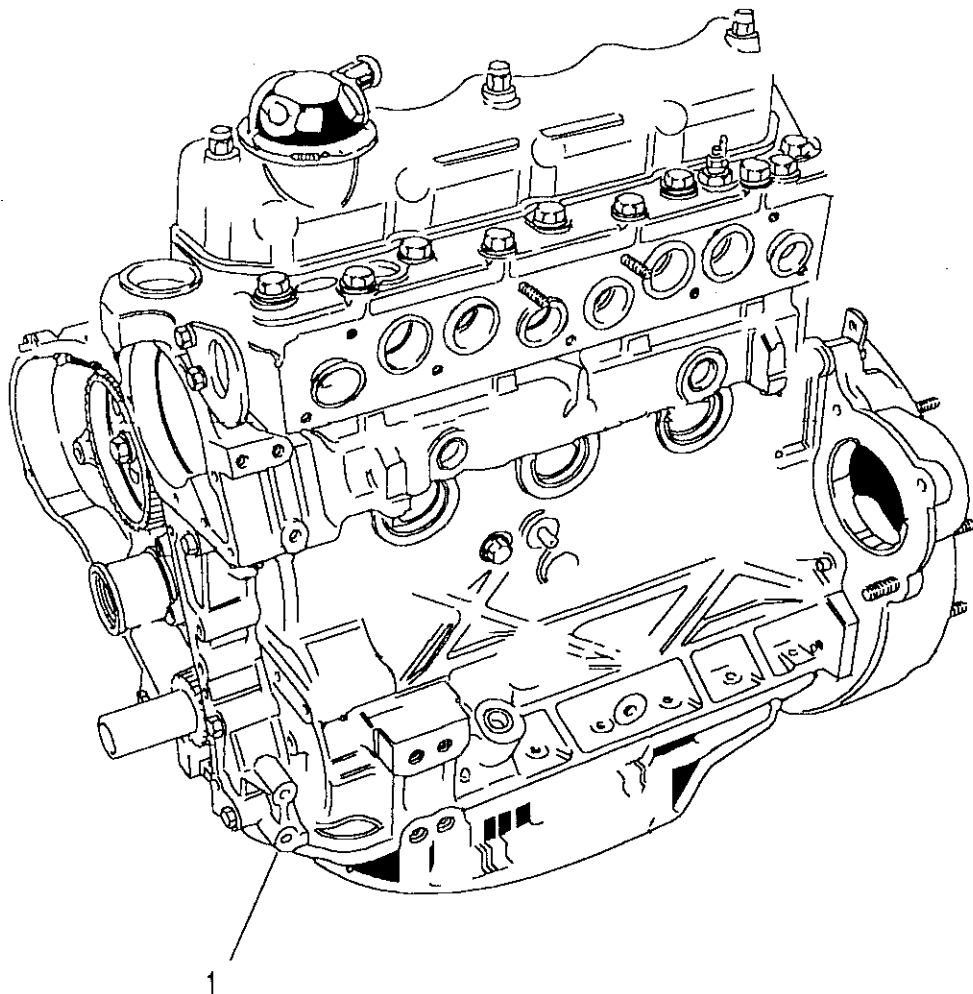
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ENGINE - ENGINE STRIPPED - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 RTC6801N	Engine stripped assy	1	
RTC4059E	Engine stripped-exchange	1	Upto12J43824C
RTC6801R	Engine stripped-recon	1	From12J43825C





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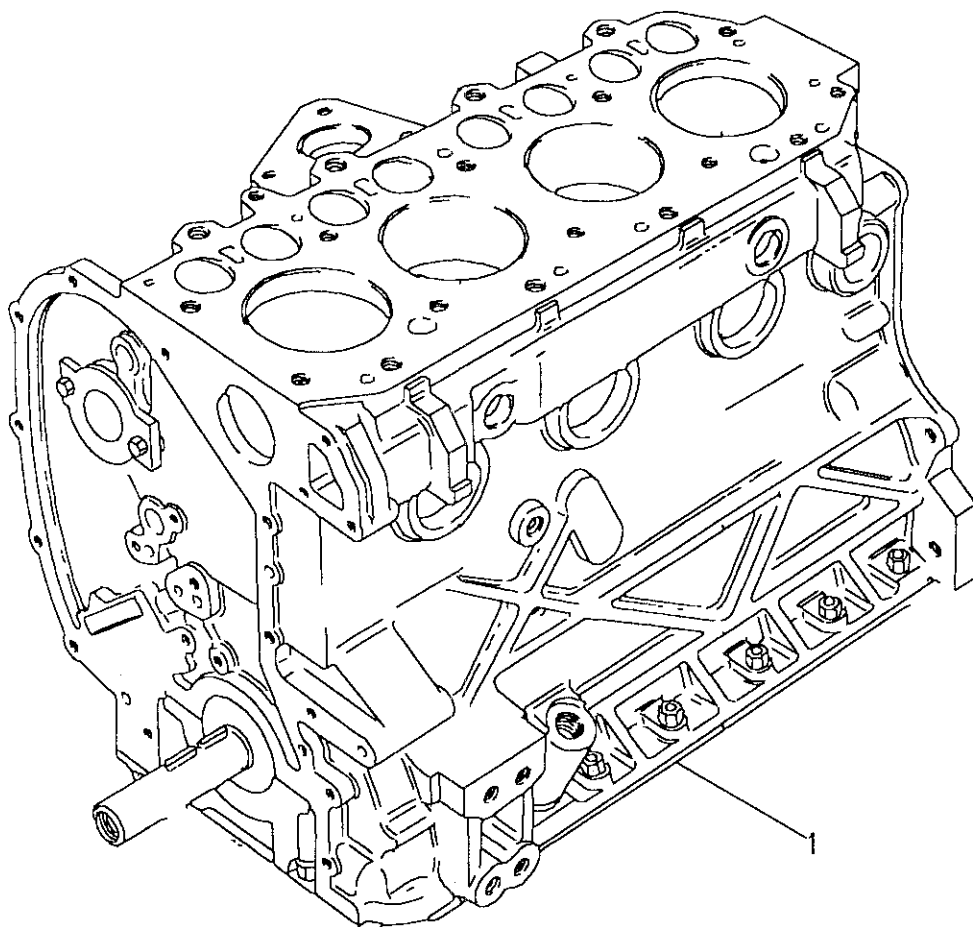
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ENGINE - ENGINE SHORT - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 RTC6794	Engine short assembly	1	



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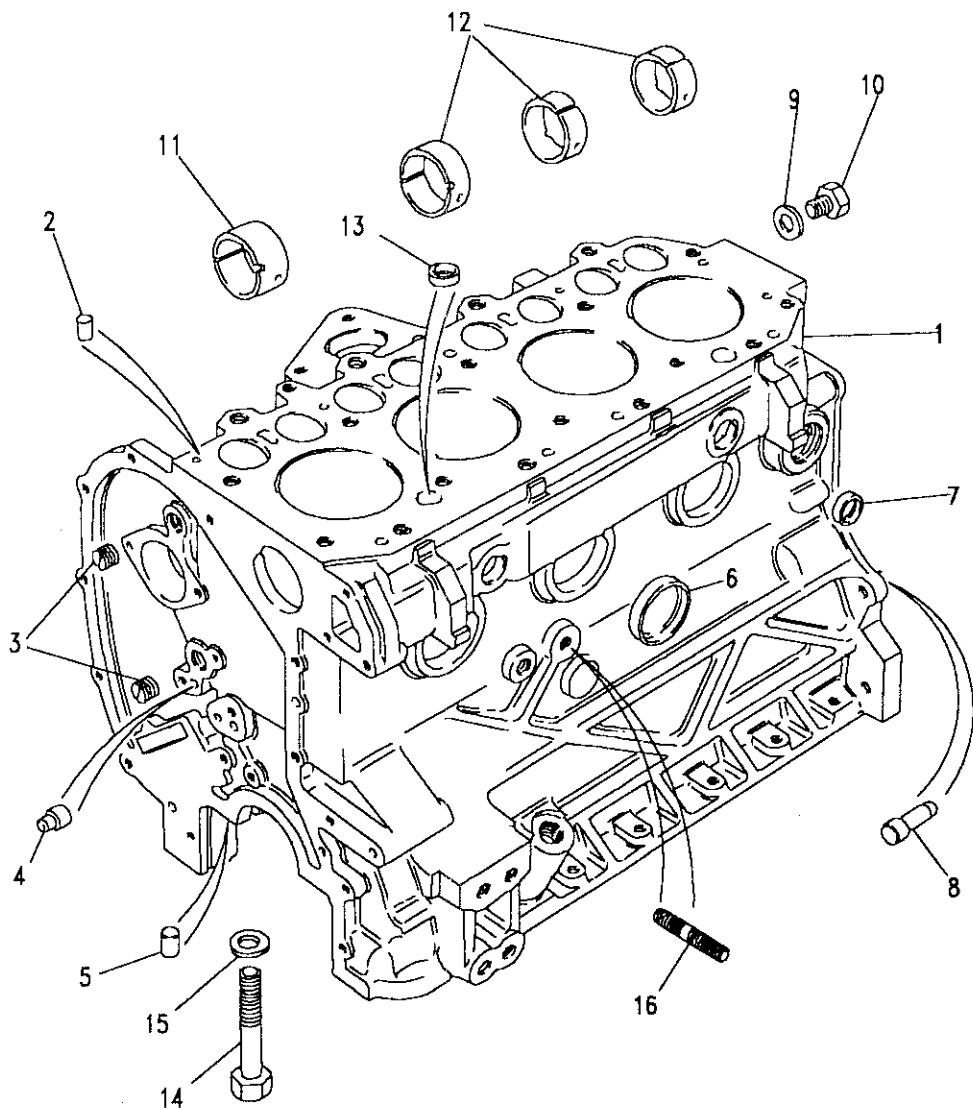
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ENGINE - CYLINDER BLOCK - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 RTC2991	Cylinder block assembly	1	Note(1)
2 247965	Plug-tappet feed hole	1	
3 247127	Plug-oil gallery-front	2	
4 ETC4529	Cup plug-ft face	1	
5 501593	Dowel - bearing caps	10	
6 ERC4996	Cup plug-side/ends	6	
7 597586	Cup plug-water rail/ends	3	
8 ERC4644	Dowel-flywheel housing	2	
9 243959	Washer joint-gallery pip	1	
10 536577	Plug-gallery pipe rear	2	
11 90519054	Bearing-camshaft front	1	
12 90519055	Bearing camshaft	3	
13 ERC4995	Cup plug-top	2	
14 247755	Bolt-main bearing cap	10	
ETC7596	Bolt flanged head	10	
15 504006	Washer-main bearing cap	10	
ERR5034	Plug-Camshaft Oil Feed	3	
16 TE108031L	Stud-M8 X 15	1	

Note(1)

This block used Upto 12J43824C page 74

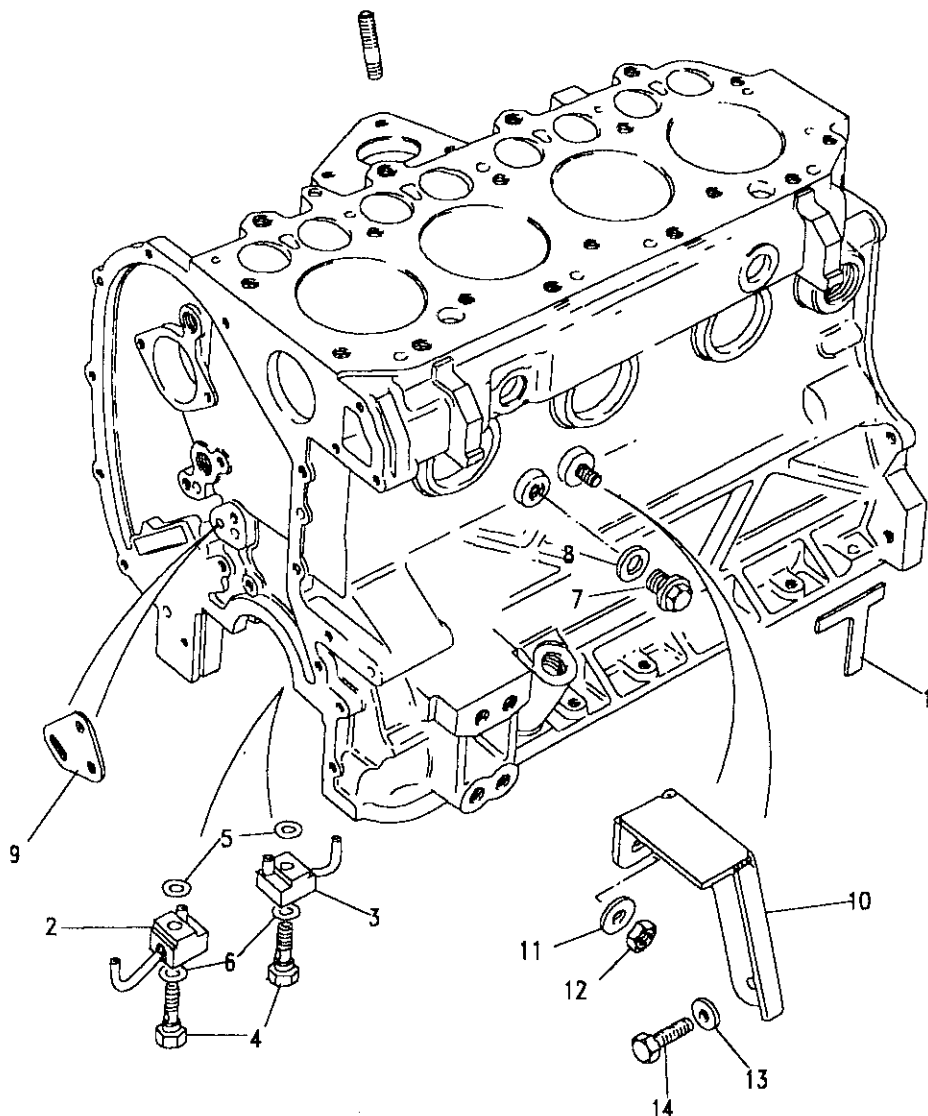


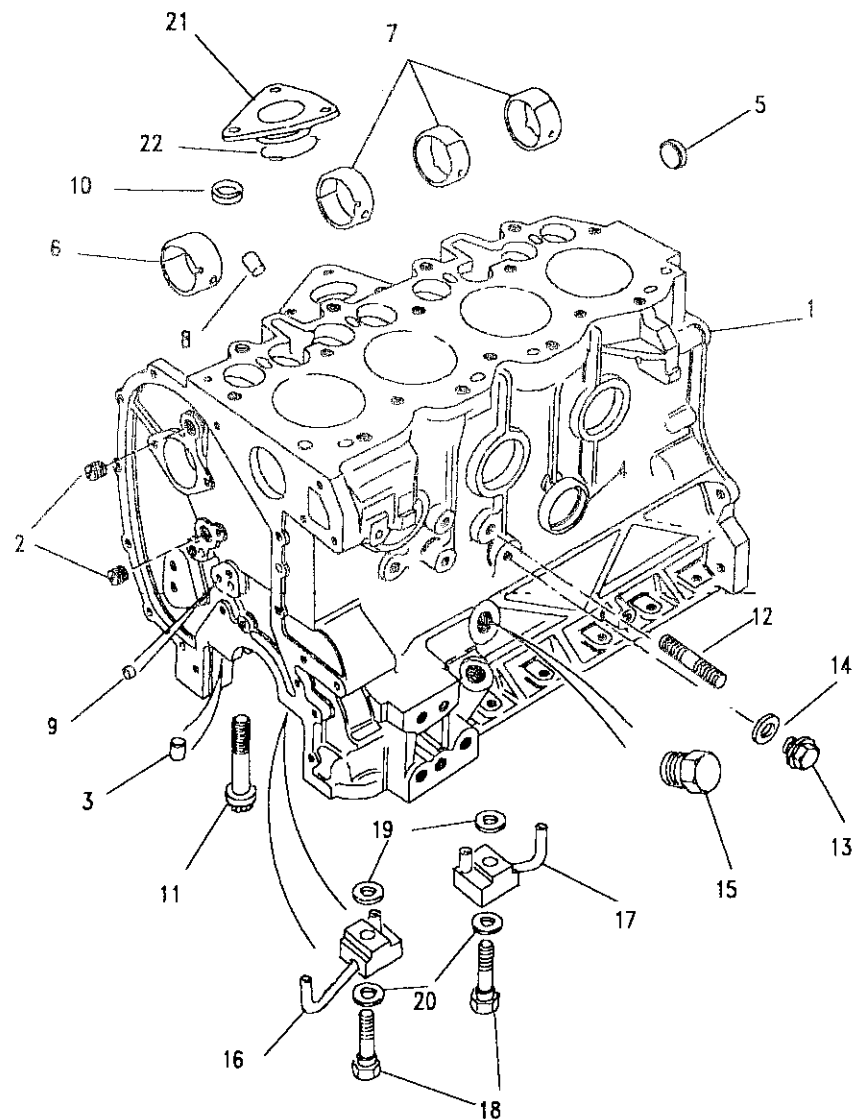
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ENGINE - CYLINDER BLOCK - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERC5086	Strip packing	2	
2 ETC6531	Jet assembly No1&No3 cyl	2	
3 ETC6532	Jet assembly No2&No4 cyl	2	
4 ETC5592	Valve relief	4	
5 AFU1879L	Washer joint	4	
6 AFU1887L	Washer joint	4	
7 ERC9410	Plug-drain	1	
8 AFU1882L	Washer joint-drain plug	1	
9 ERC8864	Gasket	1	
10 ETC4697	Bracket-starter support	1	
11 WC108051L	Washer plain-M8	1	
12 NH108041L	Nut-M8	1	
13 WA106041L	Washer plain-M6	2	
14 FS106167	Screw-M6 X 16mm	2	





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ENGINE - CYLINDER BLOCK - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERR478	Cylinder block assembly	1	Note(1)
2 247127	Plug-oil gallery	2	
3 501593	Dowel-bearing caps	10	
4 ERC4996	Cup plug-sides/ends	6	
5 597586	Cup plug-water rail ends	3	
6 ETC8442	Bearing-camshaft front	1	
7 90519055	Bearing-camshaft	3	
8 ERR5034	Plug camshaft oil feed	3	
9 ETC4529	Cup plug	1	
10 ERC4995	Cup plug	2	
11 ETC8074	Bolt-main bearing cap	10	
12 TE108031L	Stud-starter motor	1	
13 ETC5577	Plug drain	1	
14 213961	Washer joint	1	
15 ETC8362	Plug-turbo drain	1	
16 ETC6531	Jet assembly No1&No3 cyl	2	
17 ETC6532	Jet assembly No2&No4 cyl	2	
18 ETC5592	Valve relief assembly	4	
19 AFU1879L	Washer joint-oil squirt	4	
20 AFU1887L	Washer joint-oil squirt	4	
21 ERR586	Adaptor-cylinder block	1	
22 ERR531	O ring-adaptor	1	
ERC9188	Liner cylinder	4	

Note(1)

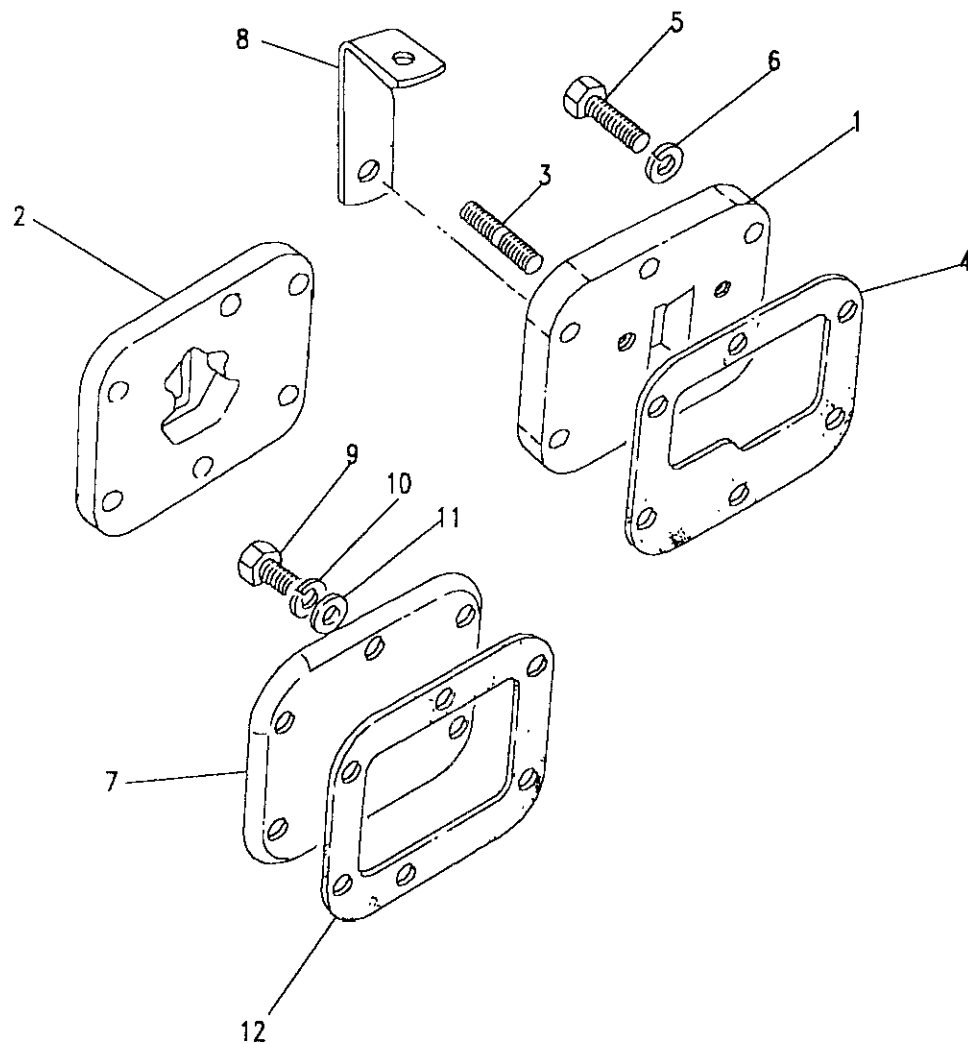
This block used from 12J43825C page 72

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ENGINE - SIDE COVER - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERC9073	Plate cover	1	Upto 12J39054C
2 ETC7929	Plate cover	1	From 12J39055C
3 TE108041L	Stud	2	Upto 12J39054C
4 ERR1475	Washer joint	1	
5 SH108251L	Screw cover to block	6	
6 WL108001L	Washer	6	
7 541010	Cover side	1	
8 ERC9480	Bracket	1	
9 FS108201L	Screw flanged	3	
SH108251L	Screw	3	
10 WA108051L	Washer plain	3	
11 WL108001L	Washer spring	6	
12 ERR3605	Gasket side cover engine	1	



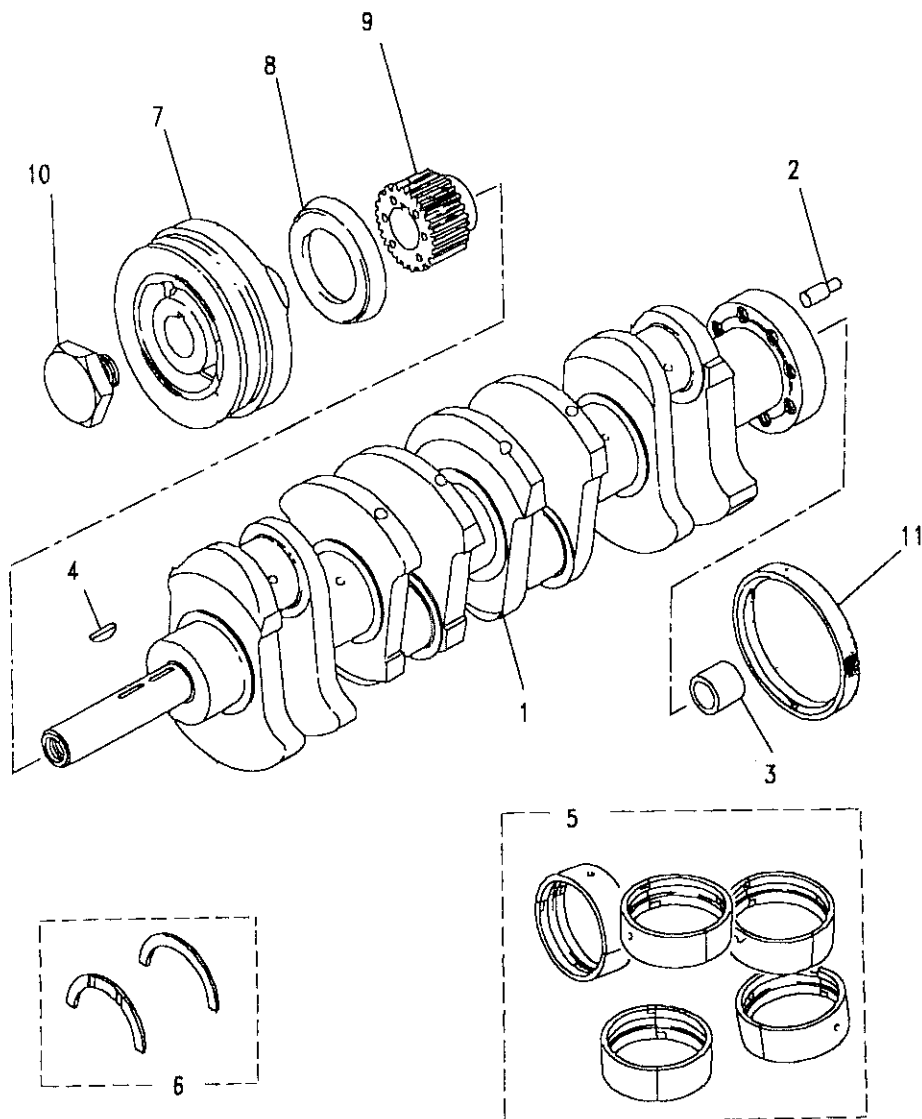
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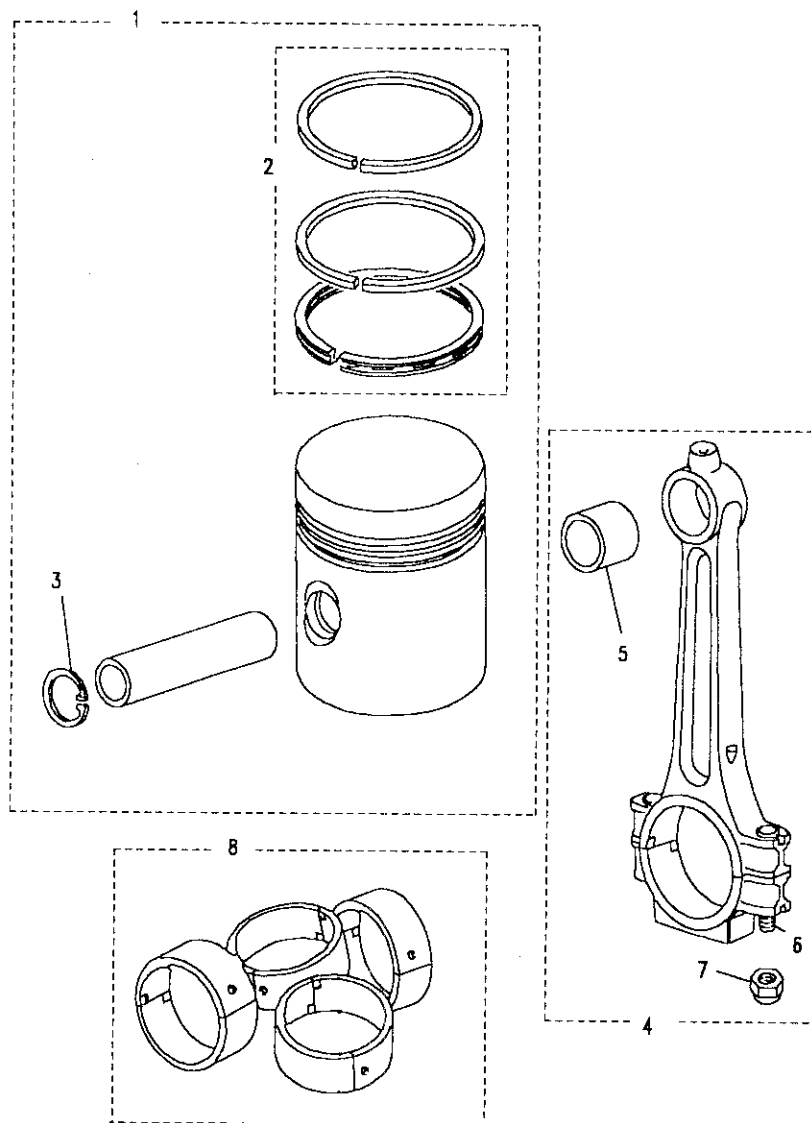
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ENGINE - CRANKSHAFT - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC8829	Crankshaft	1	UptoAUG1989
ERR1181	Crankshaft	1	FromAUG1989
2 ERR1630	Dowel crankshaft	1	
3 8566L	Bush	1	
4 235770	Key	2	
5 RTC2992	Kit main bearing-std	1	)Upto12J43824C
RTC299210	Kit main bearing-010"	1	
RTC4783	Kit main bearing-std	1	)From12J43825C
RTC478310	Kit main bearing-010"	1	
	KIT-THRUST WASHER-PAIRS		
6 RTC2825	Standard	A/R	
538131	0.0025" o/s	A/R	
538132	0.005" o/s	A/R	
538134	0.010" o/s	A/R	
7 ETC4077	Damper & pulley assy	1	BASIC
ETC4105	Damper vibration	1	Note(1)
ERC6860	Pulley AIR CON	1	
ERC6859	Pulley AIR CON/P.A.S.	1	
ERC6861	Pulley P.A.S.	1	
SH108251L	Screw	4	
WL108001L	Washerspring	4	
8 ETC4390	Flinger-T.V. damper	1	
9 ERC9765	Pulley-crankshaft	1	
10 ETC7934	Bolt-crankshaft	1	
ERR605	Bolt-crankshaft	1	)FromAUG1989
ERR705	Washer thrust-crankshaft	1	
11 ERR1535	Seal oil-crankshaft rear	1	

Note(1) Use with appropriate pulley when AIR CON or P.A.S.is fitted





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ENGINE - PISTONS - 2.5 DIESEL

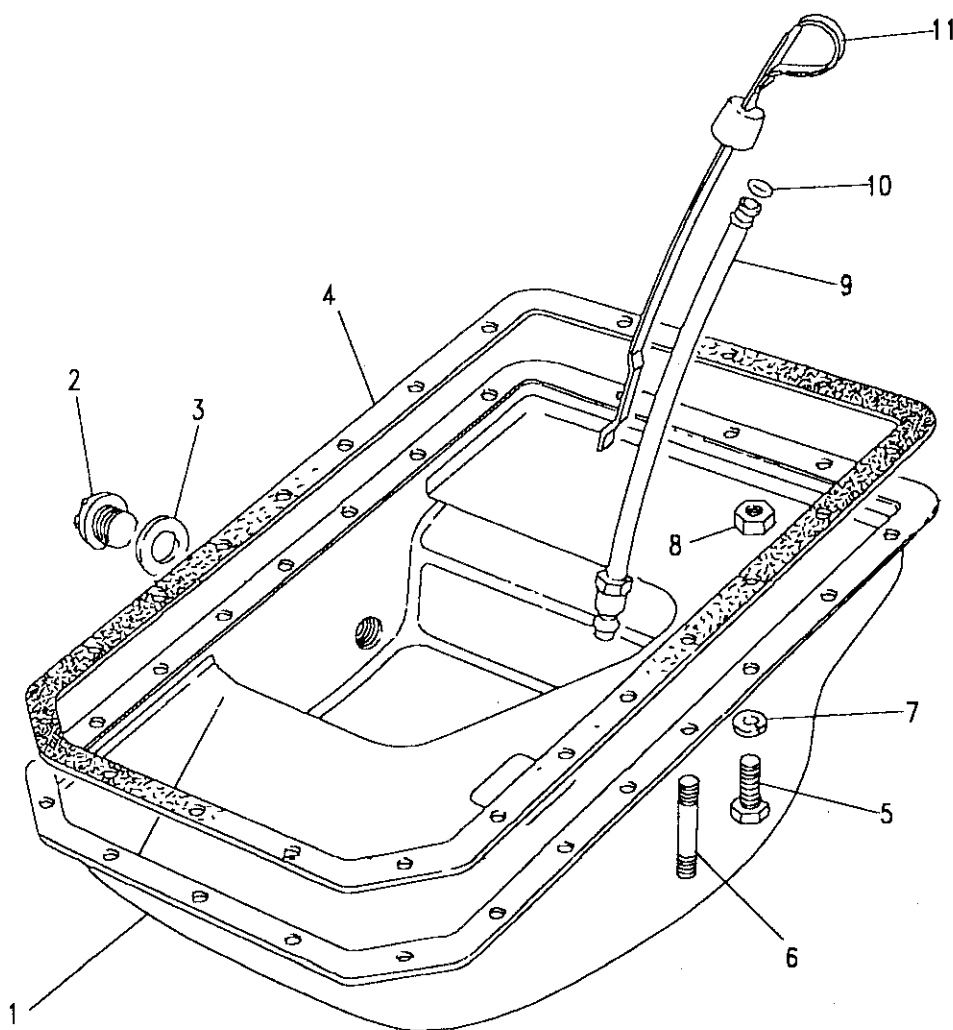
III. Part No.	Description	Qty	Remarks
1 RTC6442S	Piston assembly standard	4	)Hepworth &)Grandidge
RTC644220	Piston assy 0.020"o/s	4	
2 RTC4778S	Kit piston rings std	4	
RTC477820	Kit piston rings 0.020"	4	
3 266945	Circlip	8	
4 ERR593	Con rod assembly	4	
5 247583	Bush-gudgeon pin	4	
6 ETC7357	Bolt-con rod	8	
7 ETC8191	Nut conn rod	8	
Con Rod Bearing: Engine Set			
8 RTC2993	Bearing set big end	1	
RTC299310	Bearing set big end	1	0.010 o/s
ERC9188	Liner-cylinder	4	

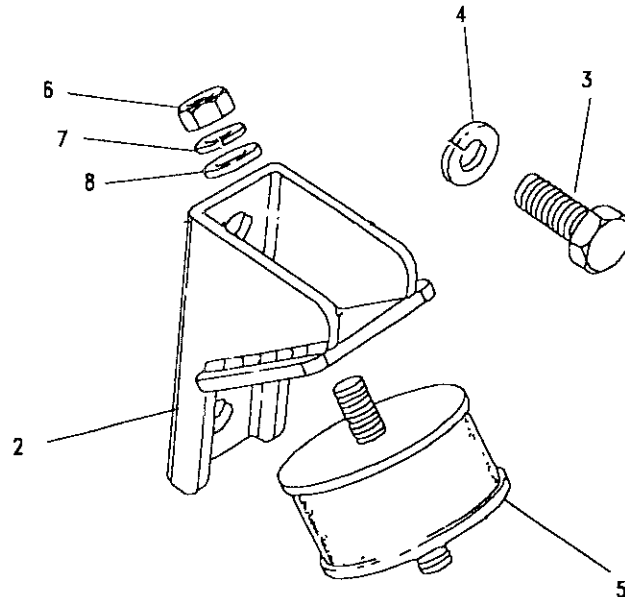
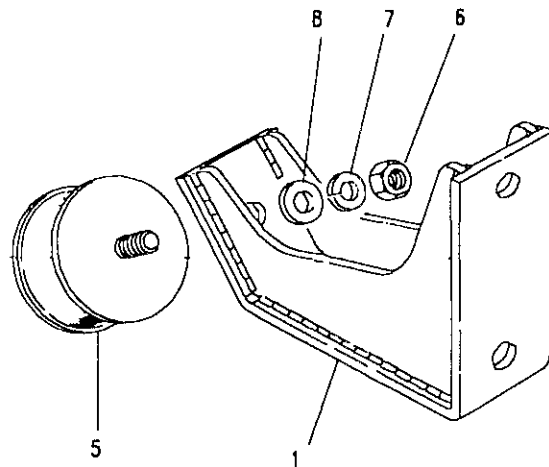
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ENGINE - SUMP - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERR4716	Sump crankcase	1	
2 599552	Plug drain	1	
3 FRC4808	Washer joint	1	
4 546841	Washer joint	1	
5 SH108161L	Screw M8x16	21	
6 TE108031L	Stud M8	1	
7 WL108001L	Washer spring	22	
8 NH108041L	Nut M8	1	
9 ERC8980	Tube-dipstick	1	
10 532387	Ring sealing tube	1	
11 ETC7867	Dipstick	1	





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ENGINE - MOUNTINGS - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 NRC5434	Mounting foot-RH	1	
2 NRC9557	Mounting foot-LH	1	
3 SH112251L	Screw-foot to block	4	
4 WL112001L	Washer-foot to block	4	
5 NRC9560	Rubber engine mounting	2	Note(1)
ANR1808	Mounting rubber	2	Note(2)
6 NH110041L	Nut-rubber to foot	4	
7 WC110061L	Washer-rubber to foot	2	
8 WL110001L	Washer-rubber to foot	4	

Note(1) Up to chassis JA920703
 Note(2) from chassis JA920703

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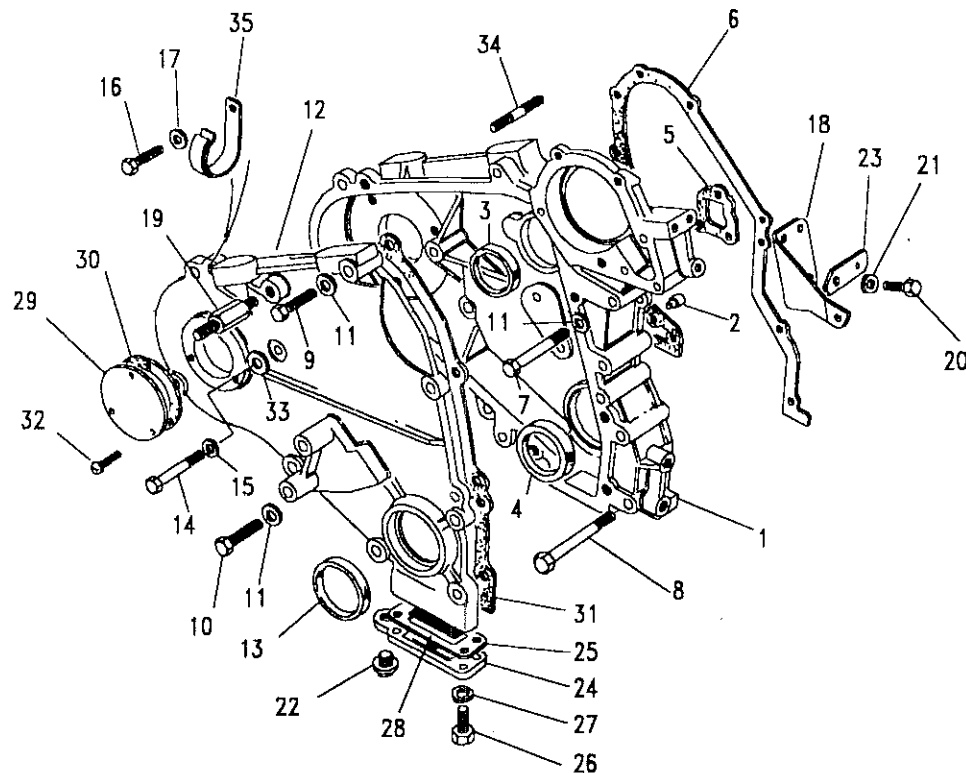
ENGINE - FRONT COVER - 2.5 DIESEL

III. Part No.

Description

Qty Remarks

1	ETC4421	Cover front	1	NON AIR CON
	ETC5672	Cover front	1	AIR CON
2	6395L	Dowel-front cover	4	
3	ETC5064	Seal oil-camshaft	1	
4	ETC5065	Seal oil-crankshaft	1	
5	ERR1607	Gasket water pump	1	
6	538039	Gasket	1	
7	BH108111L	Bolt-cover to block	1	
8	FB108121L	Bolt-cover to block	4	
9	BH108201L	Screw-cover to block	1	
10	BH108251L	Screw-cover to block	2	
11	WA108051L	Washer-cover to block	8	
12	ETC4422	Plate front cover	1	NON AIR CON
	ETC5675	Plate front cover	1	AIR CON
13	ETC4154	Seal-cover plate	1	
14	BH108131L	Bolt-plate to block	1	
15	WA108051L	Washer	1	
16	SH108251L	Screw	7	
17	WA108051L	Washer	7	
18	ERC6479	Bracket-cowl mounting	1	
19	ETC4996	Bolt-bracket to cover	1	
20	FS108201L	Screw	3	
21	WL108001L	Washer	3	
22	ERC7295	Plug	1	
23	RTC3772	Tie cable	1	

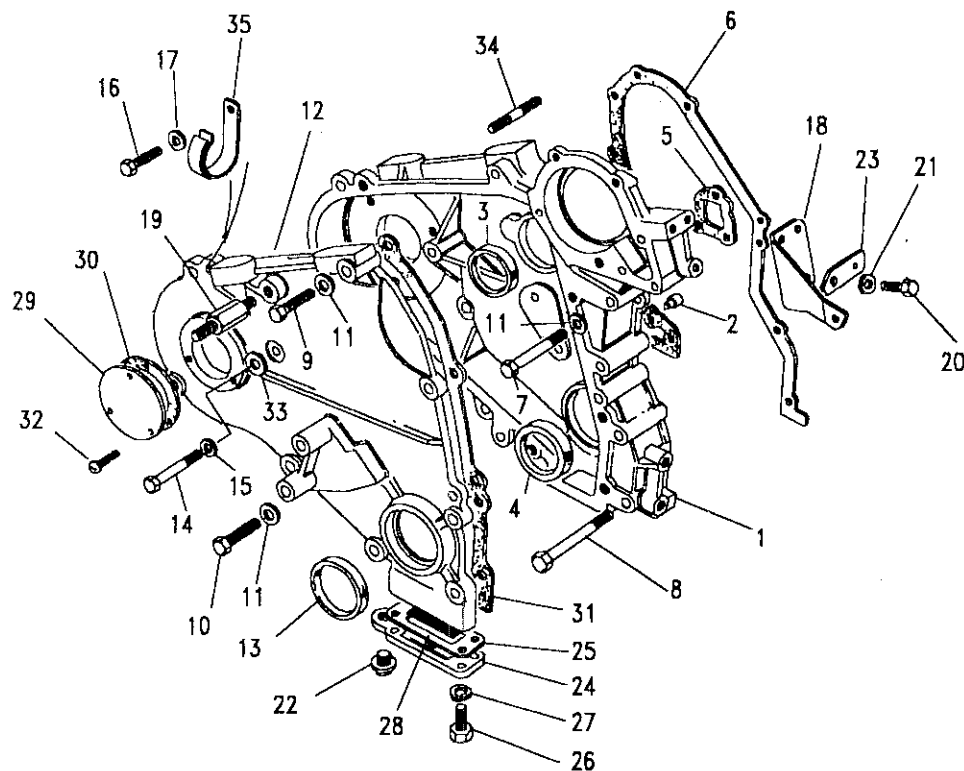


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ENGINE - FRONT COVER - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
24	ETC4058	1	Plate drain
25	ERR3615	1	Gasket front cover
26	FS106201L	4	Screw-plate to cover
27	WA106041L	4	Washer-plate to cover
28	ETC4063	1	Strainer
29	ERC9199	1	Cover plate
30	ERR3614	1	Gasket cover plate
31	ERR3616	1	Gasket front cover
32	SE106121L	3	Screw
33	ERR3604	1	Gasket front cover
34	ETC4873	3	Stud-DPS to front cover
35	ETC4630	1	Bracket mounting

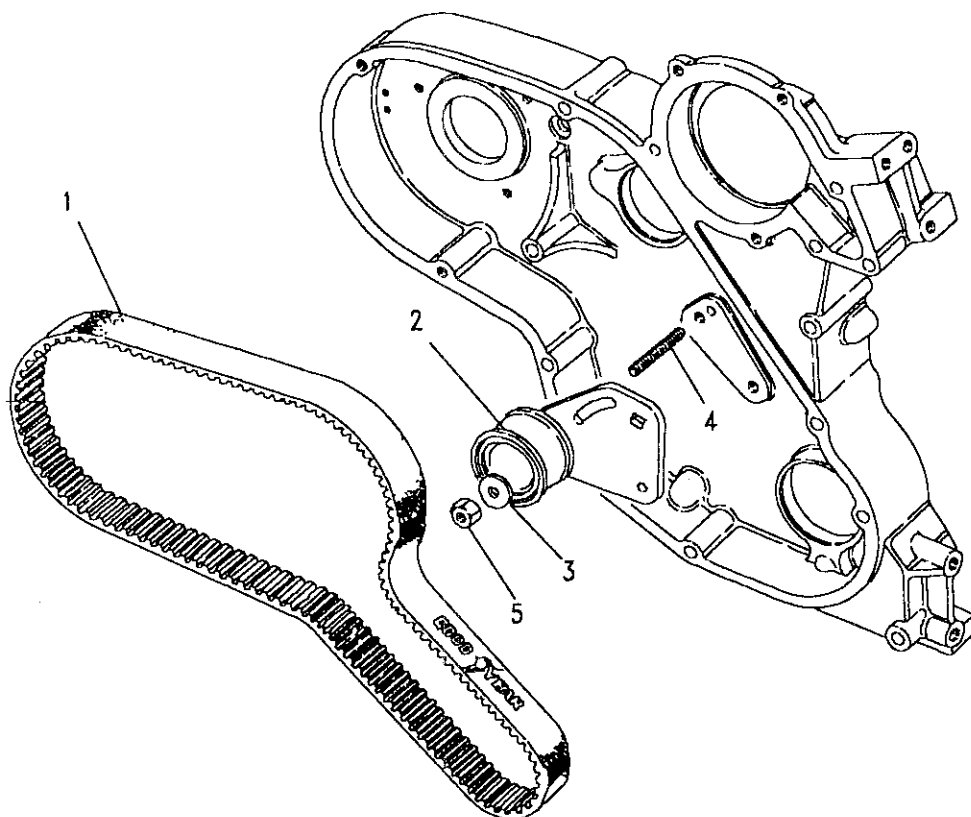


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ENGINE - TIMING BELT - 2.5 DIESEL

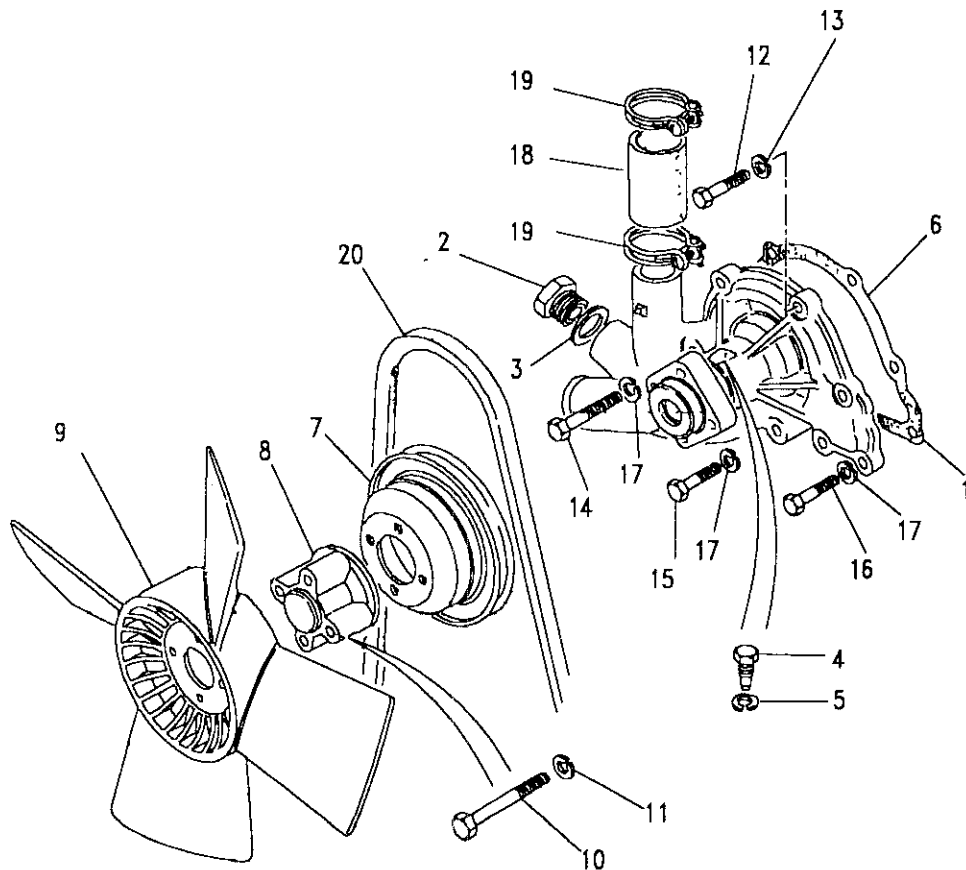
III. Part No.	Description	Qty	Remarks
1 ETC7333	Belt timing	1	
2 ERC8861	Tensioner assembly	1	
3 4594L	Washer	2	
4 TE108061L	Stud	2	
5 NY108041L	Nut	2	



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ENGINE - WATER PUMP - 2.5 DIESEL



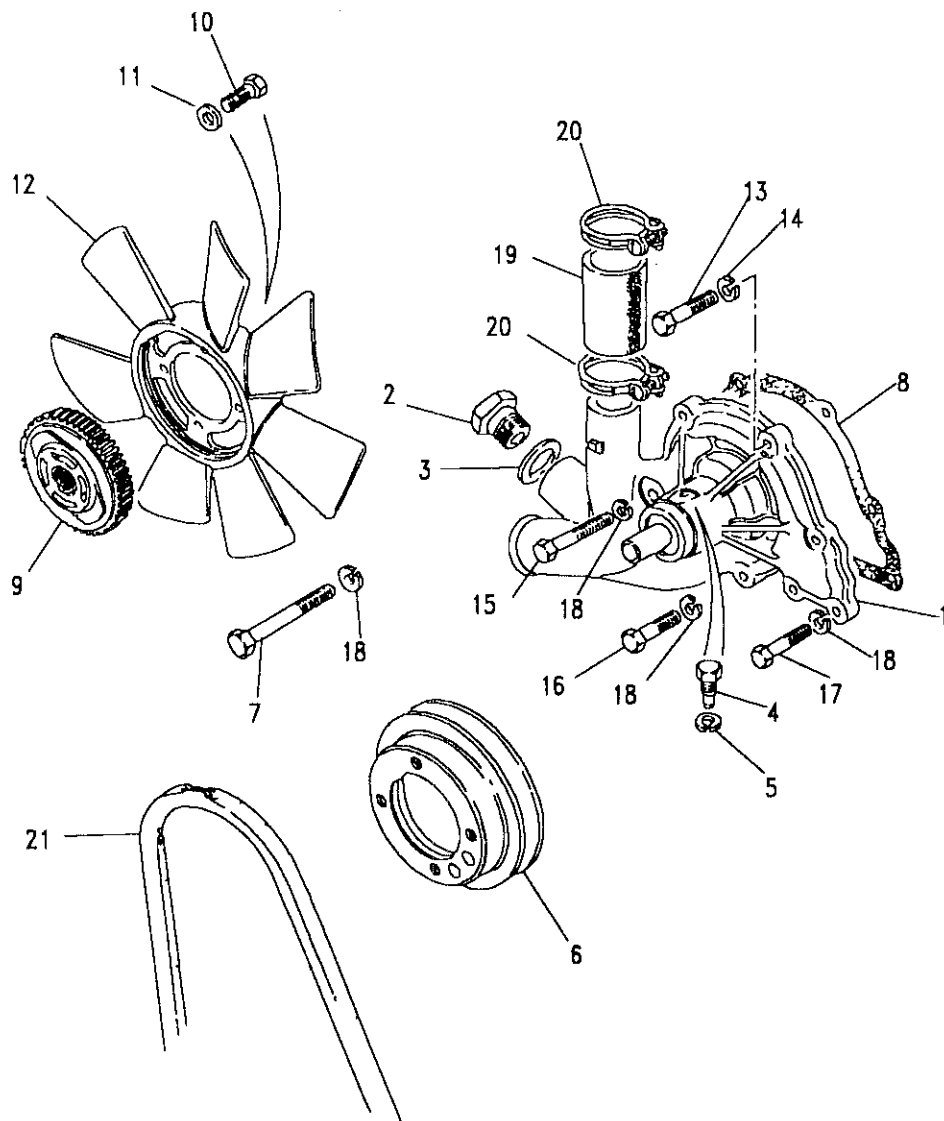
III. Part No.	Description	Qty	Remarks
1 STC637	Pump water assembly	1	BASIC
2 ERC7312	Plug	1	
3 232046	Washer joint	1	
4 ERC5600	Bolt-special	1	
5 WL106001L	Washer spring	1	
6 ERC5655	Gasket	1	
7 ERC5578	Pulley	1	
8 ERC7489	Spacer fan to pump	1	
9 ERC5545	Fan assembly	1	
10 FB108111L	Bolt	4	
11 WL108001L	Washer spring	4	
12 FB108061L	Bolt-pump to cover	3	
13 WL108001L	Washer spring	3	
14 BH108151L	Bolt-pump to block	1	
15 BH108161L	Bolt-pump to block	2	
16 BH108171L	Bolt-pump to block	1	
17 WL108001L	Washer spring	4	
18 ERC5654	Hose-by pass water outlet	1	
19 CN100408L	Clip-hose	2	
20 ETC7939	Belt fan	1	

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ENGINE - WATER PUMP - 2.5 DIESEL

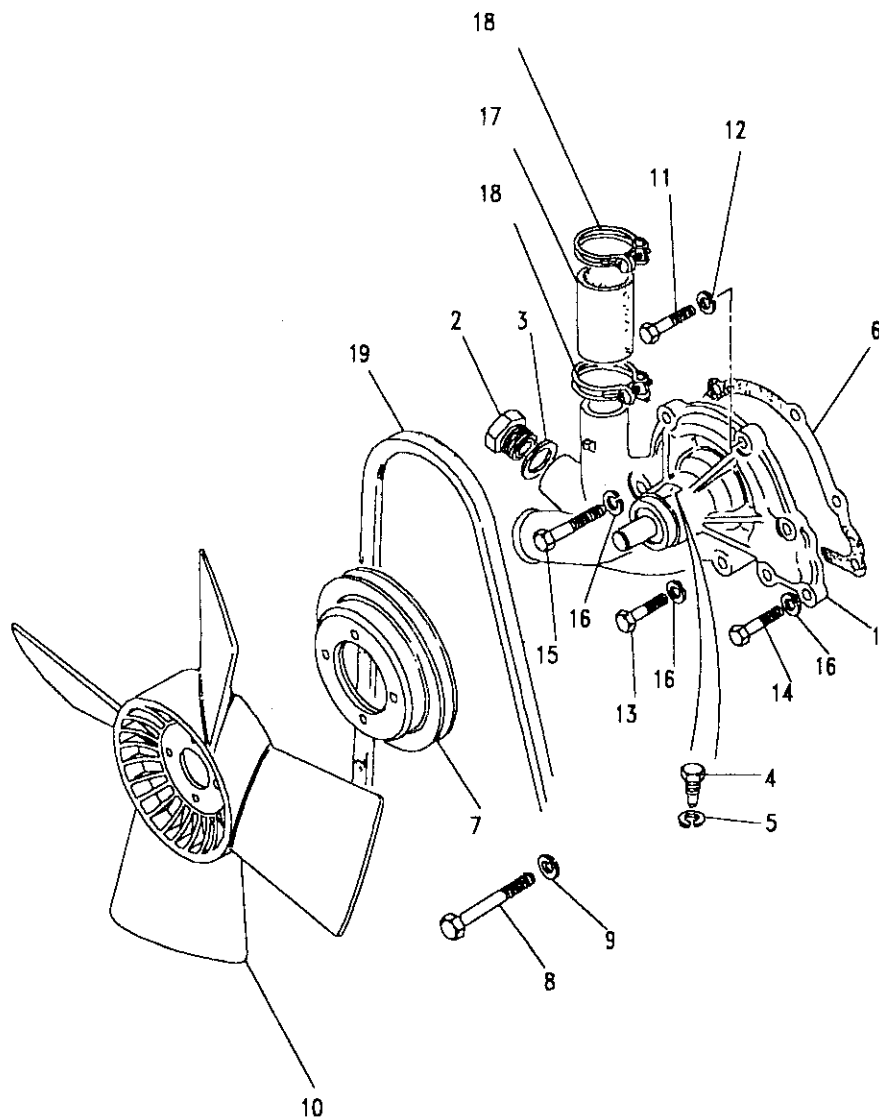
III. Part No.	Description	Qty	Remarks
1	STC635	1	AIR CON
2	ERC7312	1	
3	232046	1	
4	ERC5600	1	
5	WL106001L	1	
6	ETC4457	1	
7	BH106051L	4	
8	ERC5655	1	
9	ERC5708	1	
10	ERC5709	4	
11	4589L	4	
12	ERR3380	1	
13	FB108061	3	
14	WL108001L	3	
15	BH108151L	1	
16	BH108161L	2	
17	BH108171L	1	
18	WL108001L	8	
19	ERC5654	1	
20	CN100408L	2	
21	ETC7939	1	

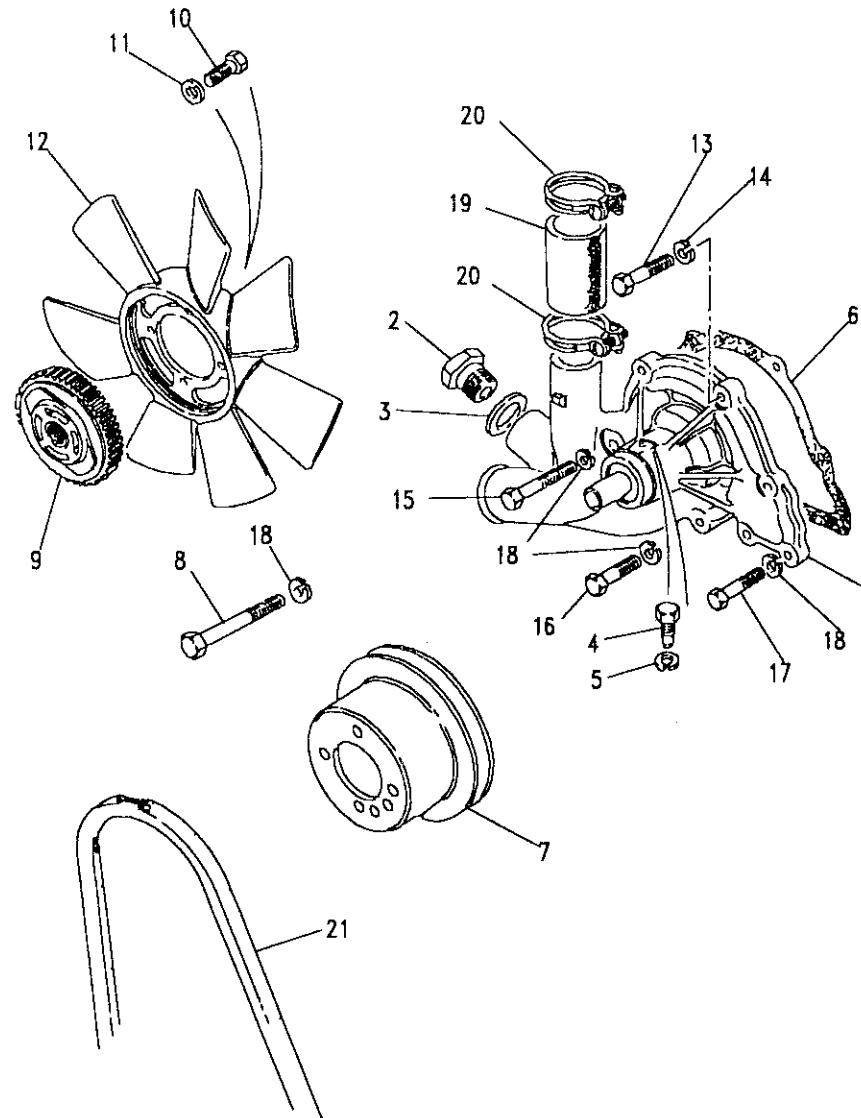


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ENGINE - WATER PUMP - 2.5 DIESEL WITH 65 AMP ALTERNATOR

III. Part No.	Description	Qty	Remarks
1	STC637	1	Pump water assembly
2	ERC7312	1	plug-water pump
3	232046	1	Washer joint
4	ERC5600	1	Bolt-special
5	WL106001L	1	Washer spring
6	ERC5655	1	Gasket
7	ETC4650	1	Pulley
8	BH106051L	4	Bolt-pulley to hub
9	WL106001L	4	Washer spring
10	ERC5545	1	Fan
11	FB108061	3	Bolt-pump to cover
12	WL108001L	3	Washer spring
13	BH108151L	1	Bolt-pump to cover
14	BH108161L	2	Bolt-pump to cover
15	BH108171L	1	Bolt-pump to cover
16	WL108001L	4	Washer spring
17	ERC5654	1	Hose-by-pass pipe
18	CN100408L	2	Clip hose
19	ETC7939	1	Belt fan

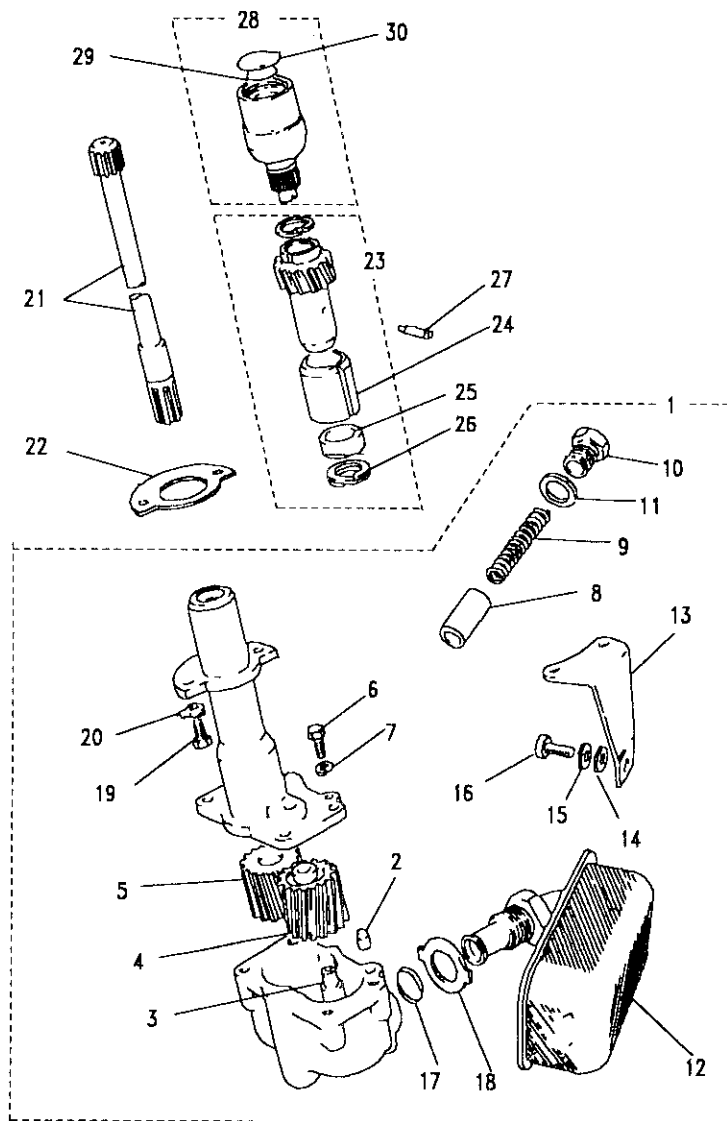




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ENGINE - WATER PUMP - 2.5 DIESEL - NOISE REDUCTION PACKAGE

III. Part No.	Description	Qty	Remarks
1	STC635	1	Pump water assembly
2	ERC7312	1	Plug-water pump
3	232046	1	Washer joint
4	ERC5600	1	Bolt-special
5	WL106001L	1	Washer spring
6	ERC5655	1	Gasket
7	ETC4785	1	Pulley
8	BH106051L	4	Bolt-pulley to hub
9	ERC5708	1	Viscous unit
10	ERC5709	4	Bolt-viscous unit
11	4589L	4	Washer-viscous unit
12	ERC7834	1	Fan
13	FB108061	3	Bolt-pump to cover
14	WL108001L	3	Washer spring
15	BH108151L	1	Bolt-pump to cover
16	BH108161L	2	Bolt-pump to cover
17	BH108171L	1	Bolt-pump to cover
18	WL108001L	8	Washer spring
19	ERC5654	1	Hose-by-pass
20	CN100408L	2	Clip-hose
21	ETC7939	1	Belt fan



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ENGINE - OIL PUMP - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERR1117	Pump oil assembly	1	
2 236257	Dowel	2	
3 ERR1063	Spindle-idler wheel	1	
4 ERR1088	Idler wheel assembly	1	
5 ERC9706	Drive wheel	1	
6 FS108201L	Screw flanged	4	
7 WL108001L	Washer spring	4	
8 ETC4880	Plunger-oil relief	1	
9 564456	Spring-oil relief	1	
10 564455	Plug-oil relief	1	
11 232044	Washer joint	1	
12 ERC7530	Filter	1	
13 ERC7940	Bracket-support	1	
14 WA108051L	Washer	1	
15 WL108001L	Washer spring	1	
16 FS108201L	Screw	1	

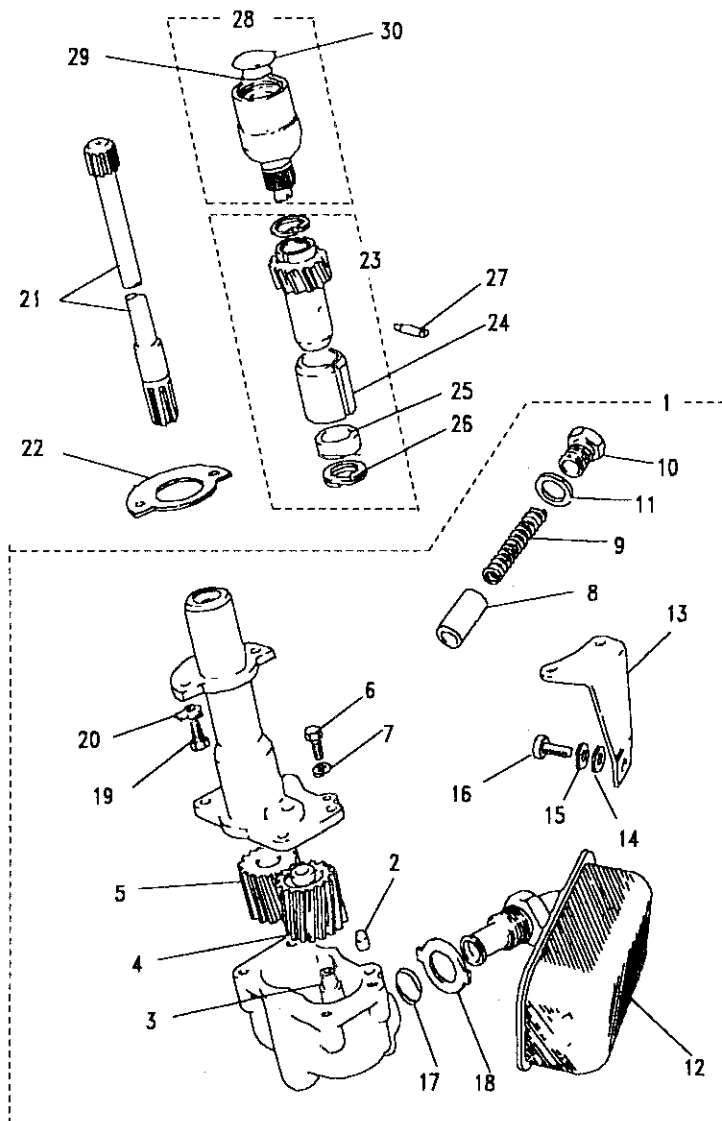
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ENGINE - OIL PUMP - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
17 244488	'O' ring	1	
18 244487	Lock washer	1	
19 SH108251L	Screw	2	
20 247665	Lock washer	2	
21 ERR850	Shaft drive	1	
22 ERR3606	Gasket oil pump	1	
23 ETC6139	Gear-bush-assembly	1	Note(1)
24 522745	Bush	1	
25 ETC6137	Washer thrust	1	
26 ETC6138	Ring locking	1	
27 ETC6142	Screw-locating shaft	1	
28 ETC4706	Coupling	1	
29 RTC6167	O ring-inner	1	
30 RTC6168	O ring-outer	1	

Note(1) Remove plug before assembly DRIVE SHAFT & COUPLING



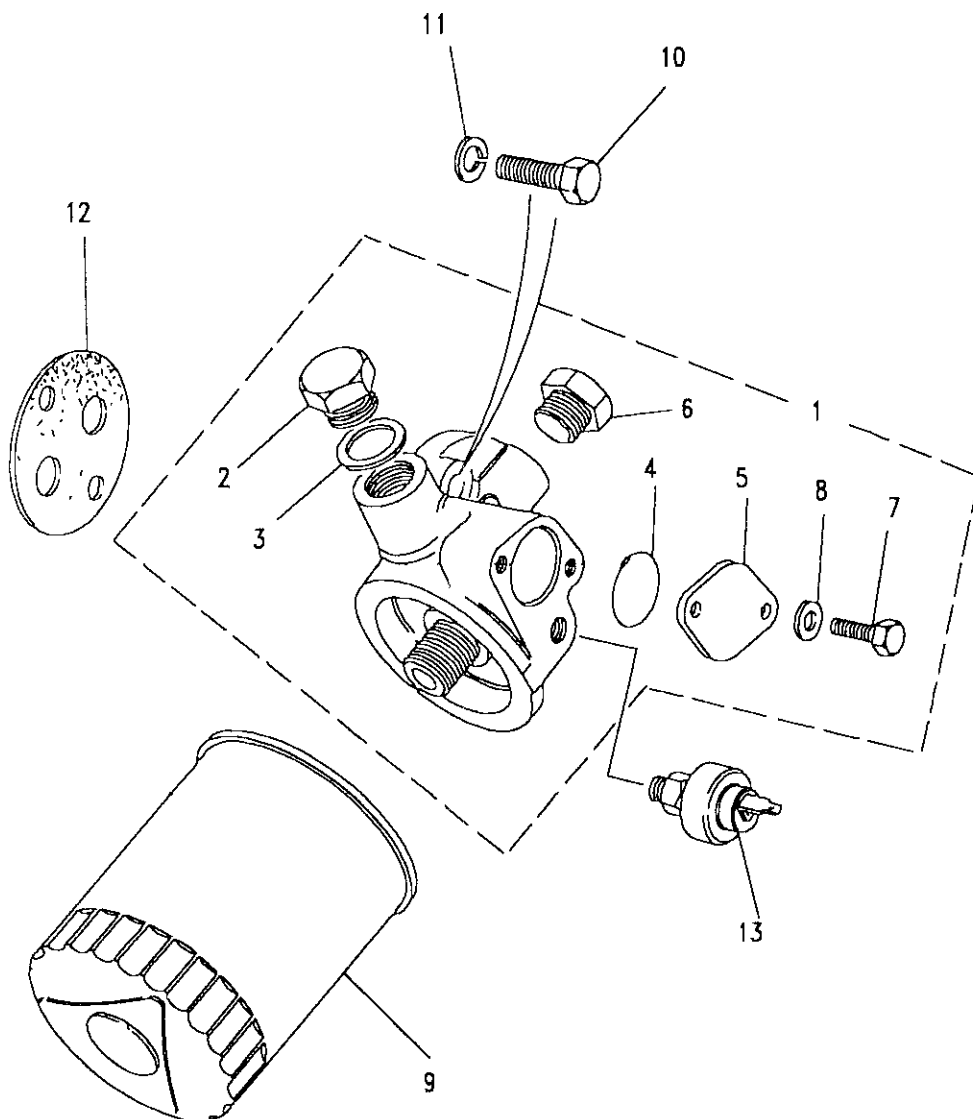
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ENGINE - OIL FILTER - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC5347	Adaptor oil assembly	1	Note(1)
2 RTC6851	Plug	1	
3 213961	Washer	1	
4 ERC5913	O ring	1	
5 ERC9884	plate end	1	
6 ETC4021	Plug	1	
7 SH106141L	Screw	2	
8 WA106041L	Washer	2	
9 ERR3340	Element oil filter	1	
10 SH110301L	Screw-filter to block	2	
11 WL110001L	Washer-filter to block	2	
12 ERR4934	Gasket oil filter housing	1	
13 PRC6387	Switch oil pressure	1	
PRC4043	Transmitter oil pressure	1	} OPTIONAL
ETC4033	Adaptor-O.P. switch	1	
ETC4034	Banjo-O.P. switch	1	
PRC4372	Transmitter temperature	1	

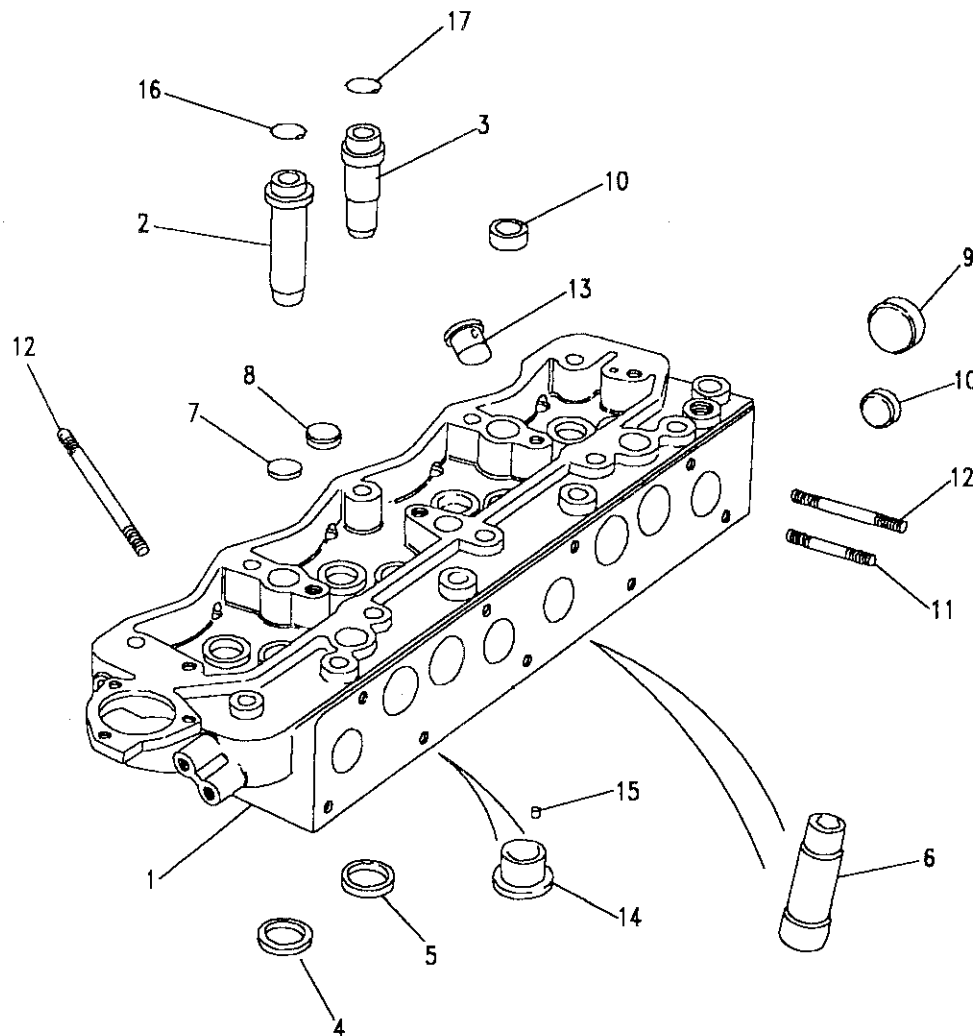
Note(1) ETC5347 is interchangeable with ETC6519(includes filter)





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ENGINE - CYLINDER HEAD - 2.5 DIESEL

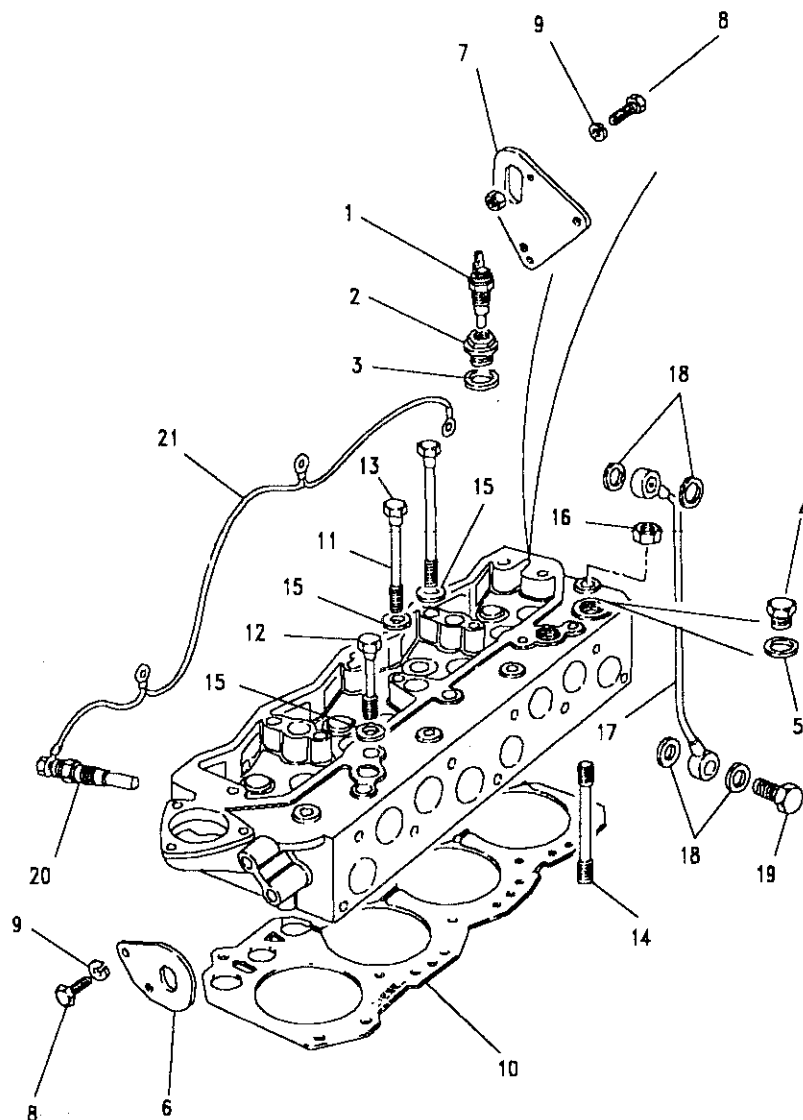


III. Part No.	Description	Qty	Remarks
1 ETC4649	Cylinder head assembly	1	UptoAPRIL1989
STC803	Cylinder head assembly	1	FromAPRIL1989
2 568688	Guide valve inlet	4	
3 SFR47	Guide valve exhaust	4	
4 ERC9631	Insert-valve seat-Exh	4	
5 ETC4643	Insert-valve seat-inlet	4	
6 ERC8663	Tube-push rod	8	
7 250830	Plug-welch	2	
8 525497	Plug-cup	9	
9 524765	Plug-cup	1	
10 602289	Plug-cup	2	
11 TE108051L	Stud-manifold fixing	5	
12 TE108071L	Stud	12	
13 ERC9501	Shroud-injector	4	
14 ETC8620	Hot plug	4	
15 PA105101L	Peg locating-hot plug	4	
16 ERR1510	Seal-inlet valve	4	
17 ETC4751	Seal-exhaust valve	4	

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ENGINE - CYLINDER HEAD - 2.5 DIESEL

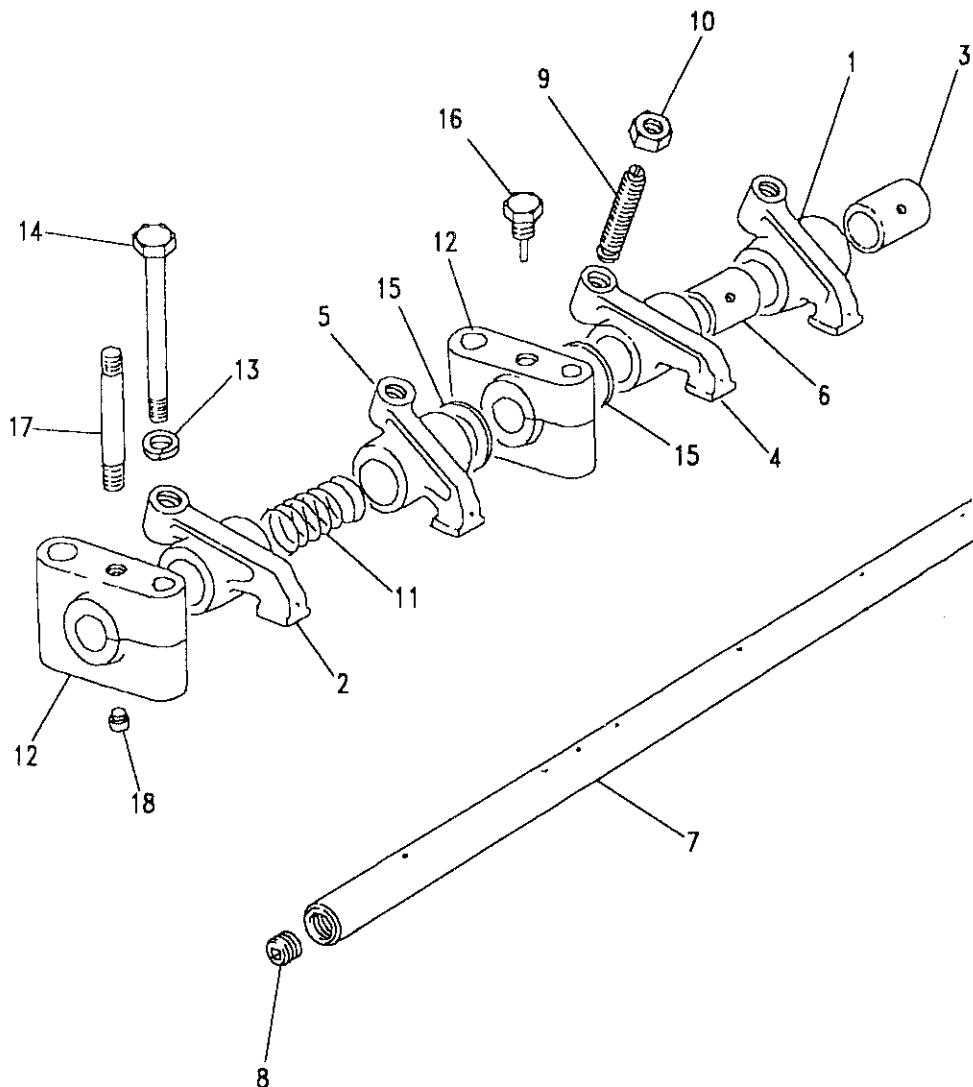


III. Part No.	Description	Qty	Remarks
1 PRC2505	Transmitter-water Temp	1	UptoAPRIL1989
PRC6663	Transmitter-water Temp	1	FromAPRIL1989
2 ERC9432	Adaptor-transmitter	1	UptoAPRIL1989
3 10802070	Washer-adaptor	1	
4 ERC9448	Plug-rear heater hole	1	
RTC6851	Plug	1	FromAPRIL1989
5 AFU1890L	Washer joint-plug	1	
243960	Washer joint	1	FromAPRIL1989
6 ERC2254	Bracket lifting-front	1	
7 ETC7135	Bracket lifting-rear	1	
8 FS108207	Screw-bracket to head	4	
9 WL108001L	Washer spring	4	
10 ERR3618	Gasket cylinder head	1	
11 247051	Bolt-head to block	9	
12 247683	Bolt-head to block	2	
13 247723	Bolt-head to block	5	
14 90518466	Stud-head to block	2	
15 ERC6821	Washer-head to block	18	
16 NH608061L	Nut-head to block	2	
17 275679	Pipe-oil feed to rockers	1	
18 ETC6510	Washer joint	4	
19 ETC4498	Bolt banjo	2	
20 ERC8450	Glow plug	4	
21 PRC6295	Cable assembly-glow plugs	1	

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ENGINE - ROCKER SHAFT - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1	ERC9060	2	Rocker arm exhaust RH
2	ERC9059	2	Rocker arm exhaust LH
3	247738	4	Bush-exhaust rockers
4	ERC9056	2	Rocker arm inlet RH
5	ERC9055	2	Rocker arm inlet LH
6	247737	4	Bush-inlet rockers
7	ERC6341	1	Shaft
8	ERC6337	2	Plug-shaft
9	ERC9054	8	Screw-tappet adjuster
10	NT108041L	8	Locknut-M8
11	247040	4	Spring
12	ERC9137	5	Bracket-rocker shaft
13	WL108001L	5	Washer spring
14	FB108111L	5	Bolt flanged
15	247153	8	Washer-rocker shaft
16	ETC4460	1	Screw-shaft location
17	TD108091L	3	Stud-M8-rocker cover
18	277956	3	Dowel-rocker



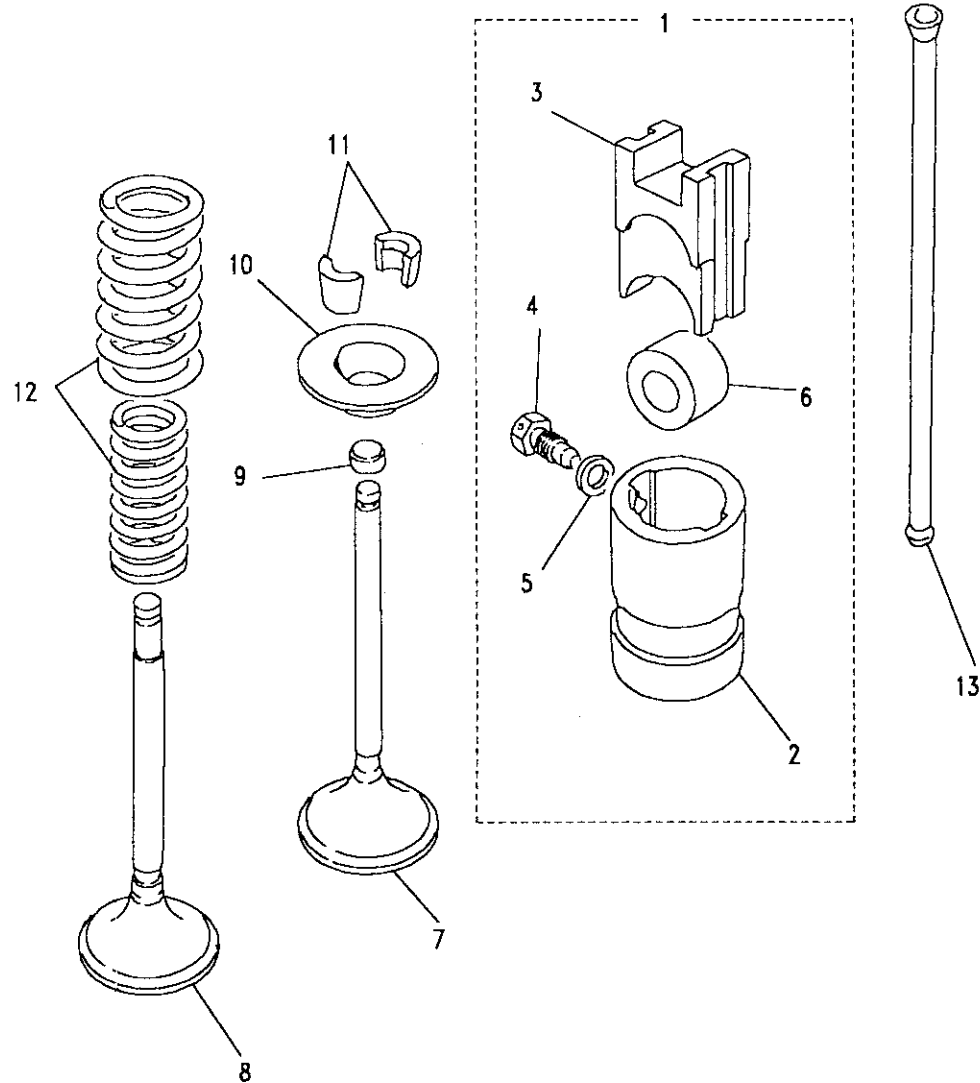
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ENGINE - TAPPETS - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 507829	Tappet assembly	8	
2 502473	Guide tappet	8	
3 ERR607	Tappet slide	8	
4 ETC4246	Bolt-set	8	
5 273069	Washer-tappet guide	8	
6 ERR561	Roller follower	8	
7 ETC5739	Valve-inlet	4	
8 ETC5740	Valve-exhaust	4	
9 ERR4175	Cap valve cylinder head	8	Note(1)
10 ETC4068	Cup-valve springs	8	
11 ETC4069	Cotter split	16	
12 ERR4640	Valve spring	8	
13 546799	Push rod	8	

Note(1)

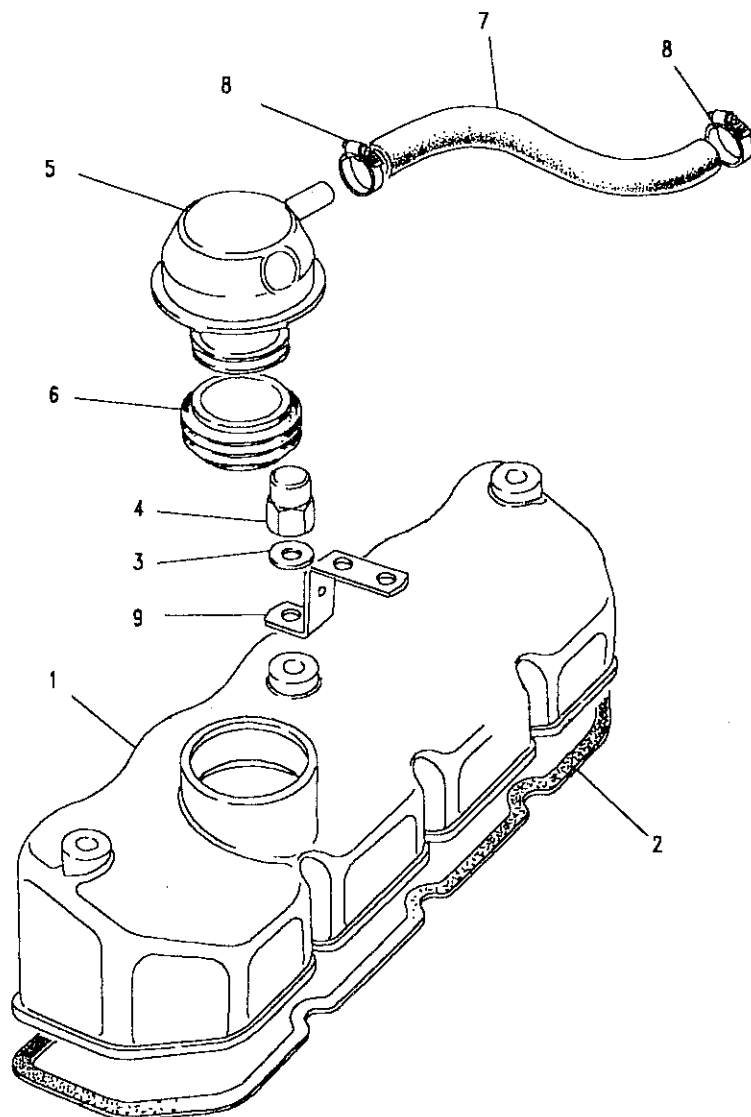
ERR1158 can be fitted if valve stem or rockers are worn



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ENGINE - ROCKER COVER - 2.5 DIESEL

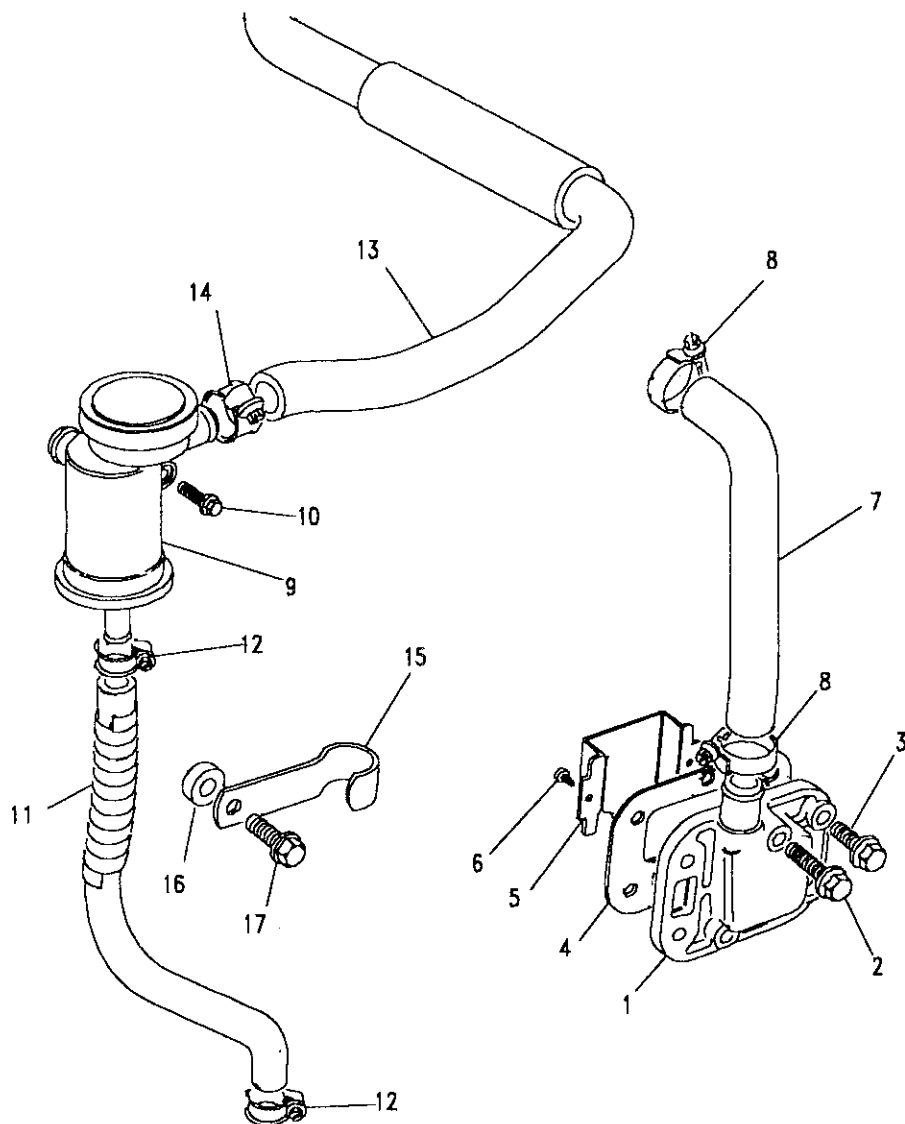


III. Part No.	Description	Qty	Remarks
1 ETC6924	Rocker cover assembly	1	
2 ETC6438	Gasket-cover to cylinder	1	
3 273069	Washer joint	3	
4 ERC9220	Nut-dome-M8	3	
5 ERR1454	Breather filter	1	Upto 12J42593C
ERR737	Breather filter	1	From 12J42594C
6 ERR736	'O' ring	1	
7 ERC9728	Hose breather to manifold	1	Upto 12J42593C
ETC7969	Hose breather to manifold	1	From 12J42594C
8 RTC3499	Clip hose	2	
9 ETC5588	Bracket	1	AIR CON

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ENGINE - CYCLONE BREATHER ASSEMBLY - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1	ERR506	1	Cover side breather assy
2	FB108081L	1	Bolt flanged
3	FS108251L	5	Screw flange M8x25
4	247555	1	Gasket-side cover
5	ERR874	1	Baffle plate-side cover
6	79026	1	Screw No6
7	ERR877	1	Hose-side to rock/cover
8	CN100258L	2	Clip-worm-hose
9	ERR1471	1	Breather cyclone
10	FB106121L	2	Screw flange M6x60
11	ERR1605	1	Hose-cyclone oil drain
12	CN100208L	2	Clip-worm-hose
13	ERR1729	1	Hose-cyclone to air/clean
14	CN100258L	2	Clip-worm-hose
15	ERR878	1	Clip-oil drain hose
16	ERR879	1	Spacer-clip-oil drain
17	SH110201L	1	Screw flange M10x20

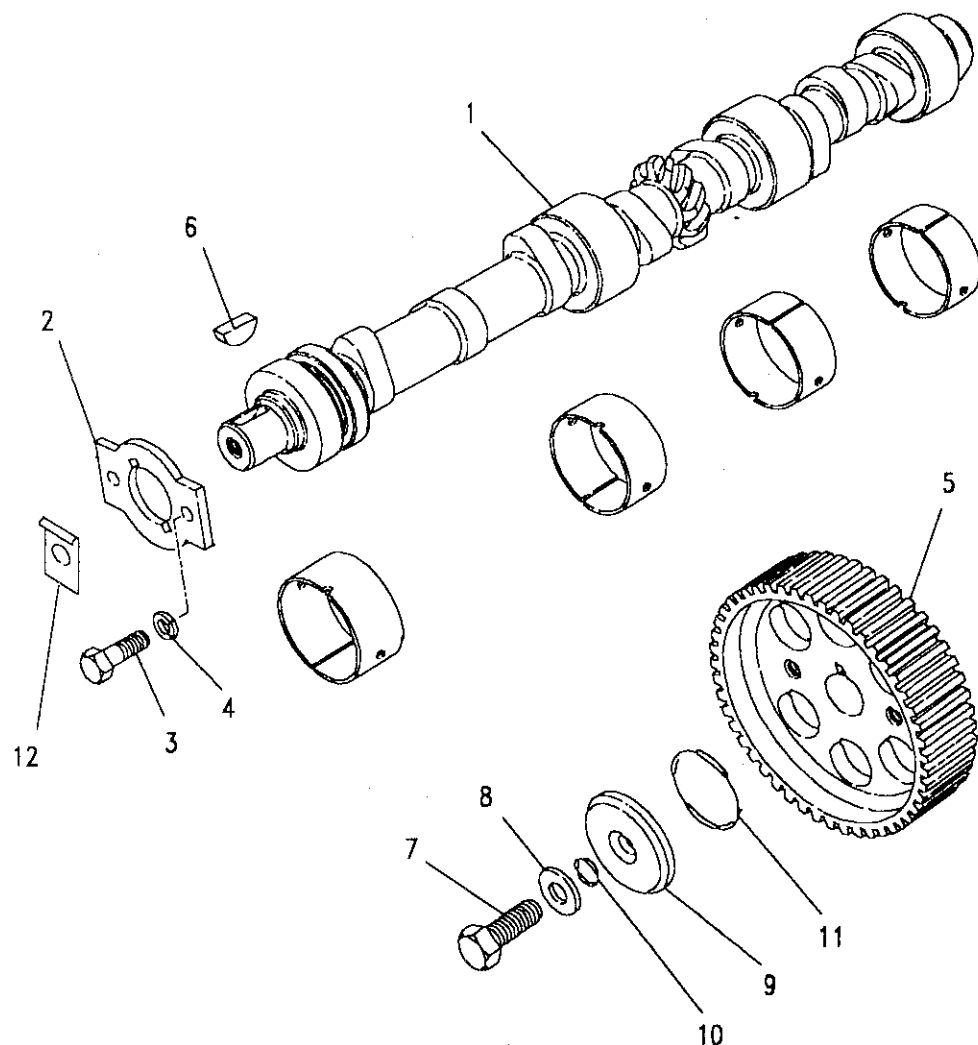


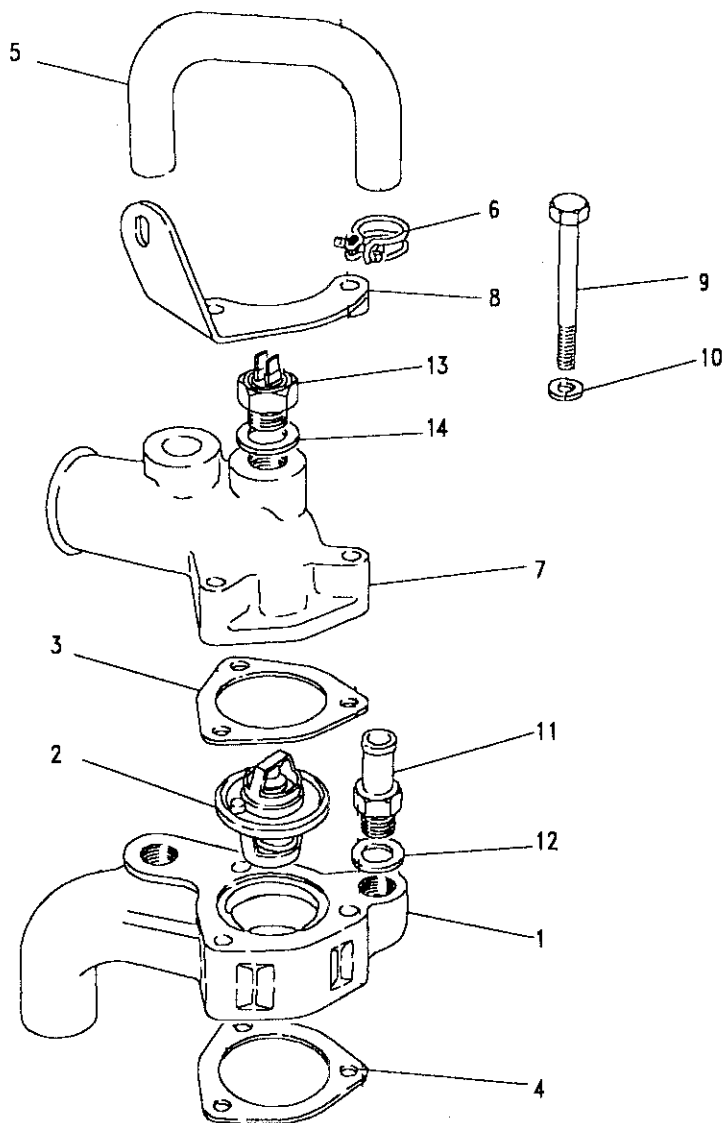
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ENGINE - CAMSHAFT - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC7128	Camshaft	1	
2 ERC1561	Plate thrust-camshaft	1	
3 FS106167	Screw	2	
4 WL106001L	Washer spring	2	
5 ETC4014	Pulley	1	
6 230313	Key woodruff	1	
7 BX110071L	Bolt	1	
8 ETC4670	Washer	1	
9 ERC8847	Plate retaining	1	
10 ERC8849	'O' ring	1	
11 ETC4076	'O' ring	1	
12 2995	Locker	2	





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ENGINE - THERMOSTAT HOUSING - 2.5 DIESEL

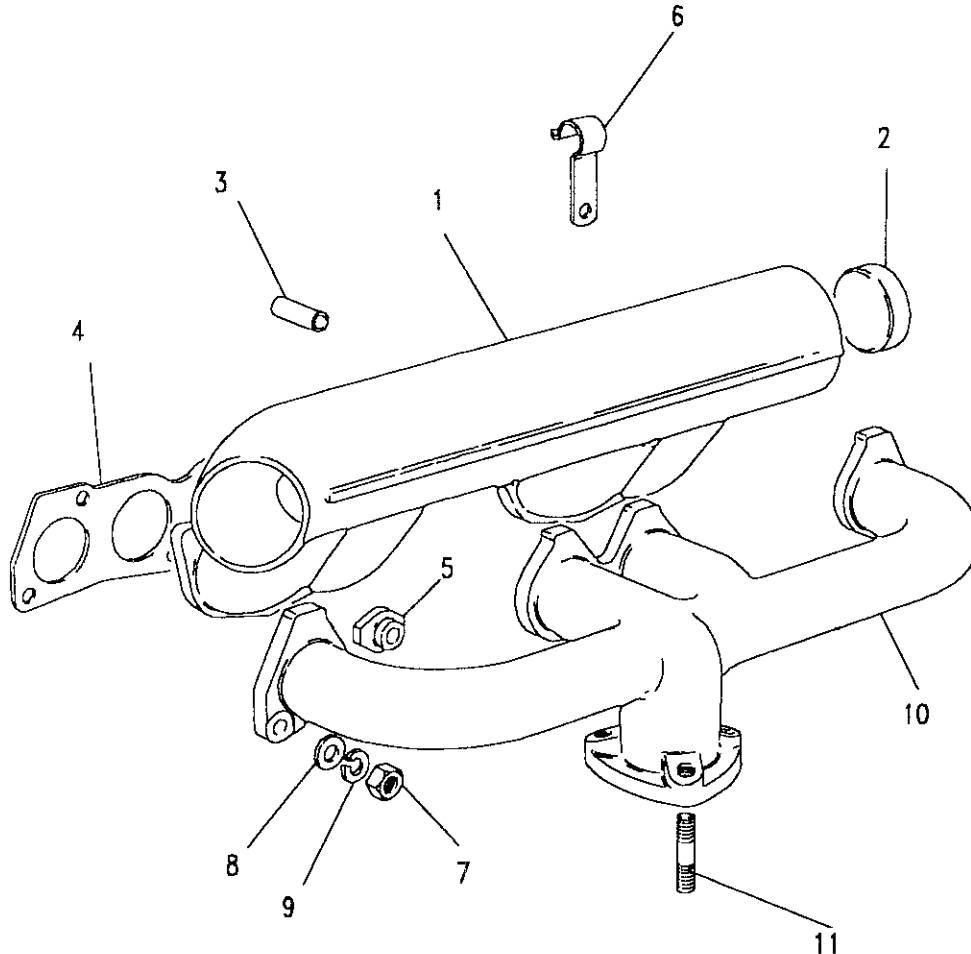
III. Part No.	Description	Qty	Remarks
1 ERC8758	Thermostat housing	1	
2 602687	Thermostat 82o	1	
ETC4761	Thermostat 74o	1	OPTIONAL
3 ERR3682	Gasket thermostat housing	1	
4 247874	Gasket-thermo housing	1	
5 ERC7510	Hose-connecting adaptors	1	
6 CN100258L	Clip hose	2	
7 ETC5967	Outlet water connector	1	BASIC
ETC5958	Outlet water connector	1	AIR CON
8 ETC5965	Bracket-cowl mounting	1	
9 BH106151L	Bolt	3	
10 WL106001L	Washer spring	3	
11 624091	Adaptor	2	
12 243959	Washer joint	2	
13 PRC3366	Switch-temperature sensor	1	Note(1)
PRC3541	Switch-temperature sensor	1	Note(2)
14 C457593L	Washer-copper	2	

Note(1) Identified by GREEN paint
Note(2) Identified by RED paint

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ENGINE - MANIFOLDS - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERC6939	Manifold inlet	1	Upto 12J42593C
ERR362	Manifold inlet	1	From 12J42594C
2 525428	Plug-cup	1	
3 ERC6047	Tube	1	
4 ETC5312	Gasket-manifold to head	1	Upto12J48876C
ETC7750	Gasket-manifold to head	1	From12J48877C
5 564308	Clamp-manifold to head	4	
6 574654	Clip-manifold clamp	1	
7 NH108041L	Nut	9	
8 WA108051L	Washer plain	9	
9 WL108001L	Washer spring	9	
10 ETC5331	Manifold exhaust	1	
11 AFU1848L	Stud	3	



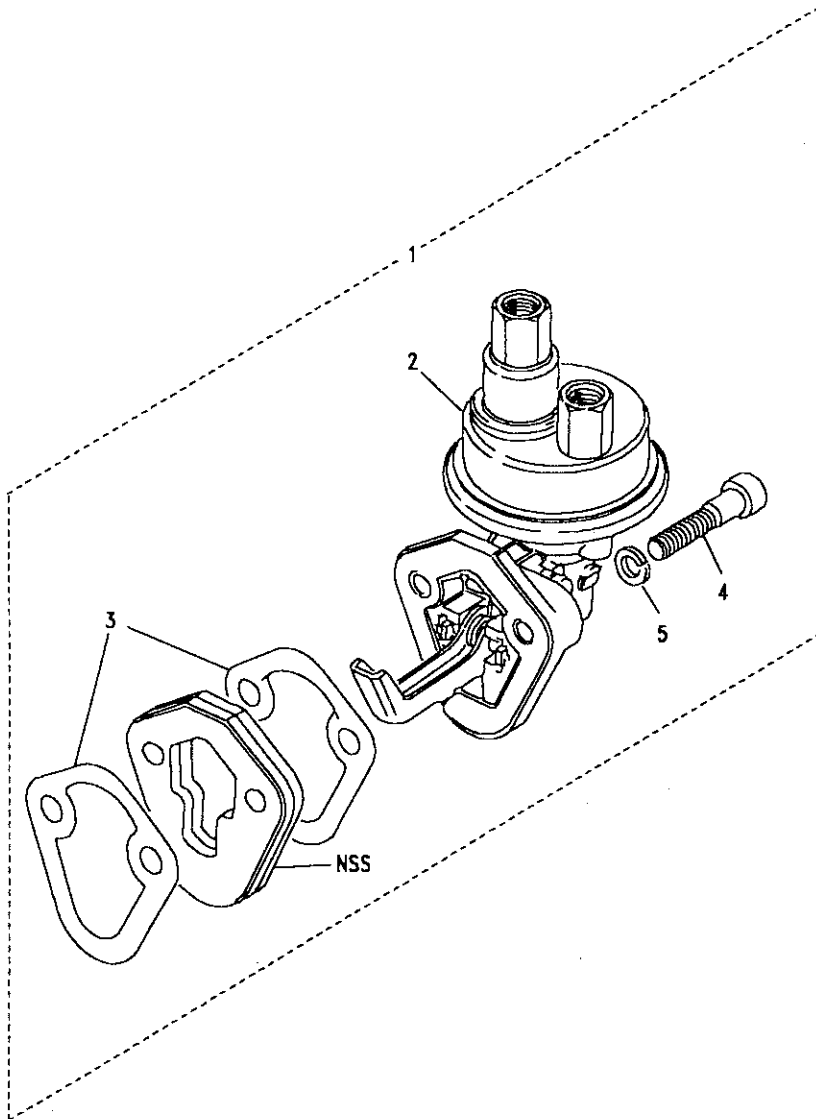
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ENGINE - FUEL PUMP - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC7869	Pump fuel	1	Note(1)
2 ETC7970	Gasket-fuel pump/side cov	2	
ERR2028	Gasket fuel pump	2	From Jan 94
3 SS108301L	Socket screw	2	
4 WA108051L	Washer	2	

Note(1) Use RTC6180 fuel pump kit up to 12J39054C

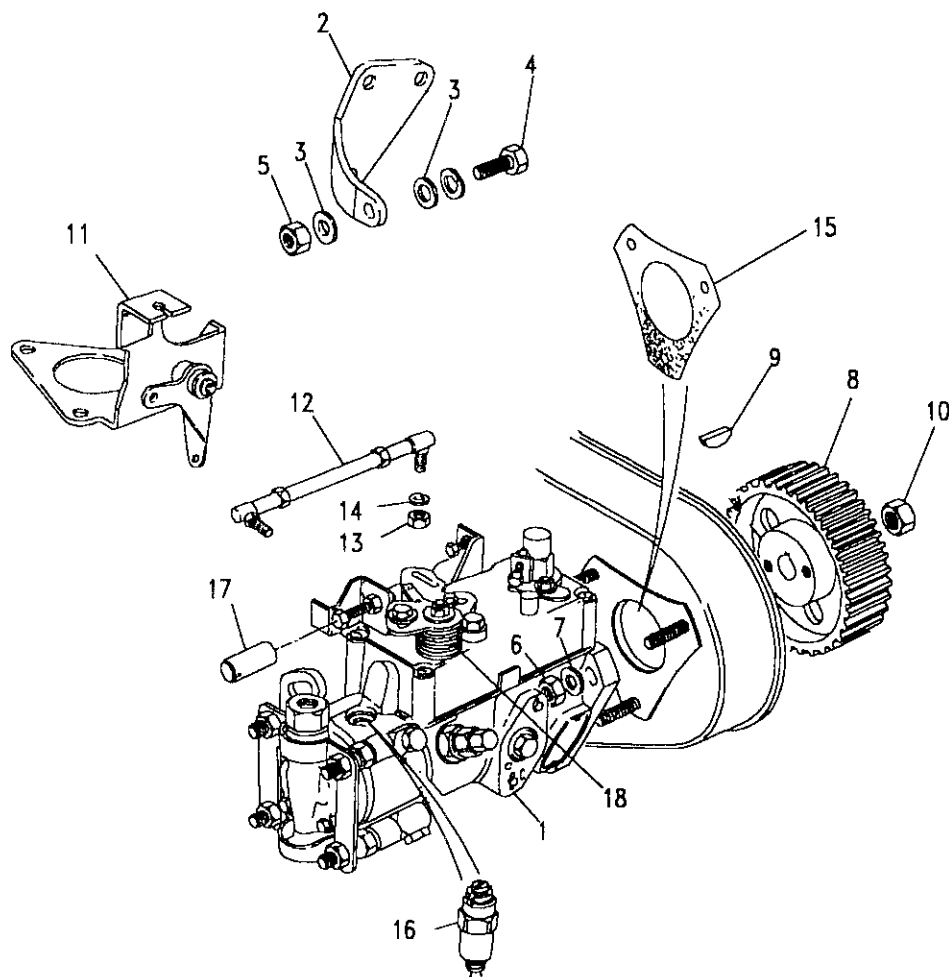


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ENGINE - INJECTOR PUMP - 2.5 DIESEL

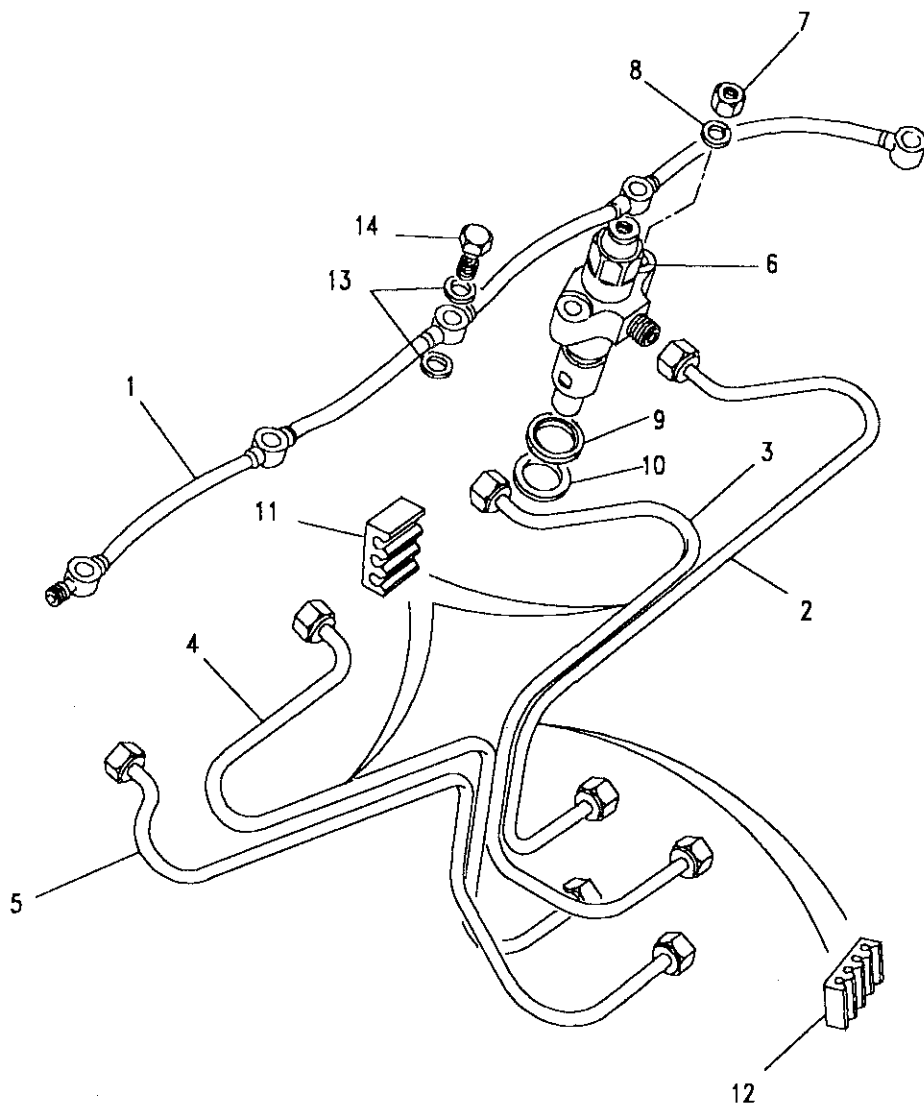
III. Part No.	Description	Qty	Remarks
1 ERC6761	Pump distributor	1	
ERC6761E	Pump distributor	1	Exchange
2 ETC4070	Bracket-support-pump	1	
3 WA108051L	Washer-pump to bracket	2	
4 SH108251L	Screw-pump to bracket	1	
5 NY108041L	Nut-pump to bracket	1	
6 NY108041L	Nut	3	
7 WA108051L	Washer	3	
8 ETC5717	Pulley	1	
9 RTC5077	Key-pulley	1	
10 NH112041L	Nut-fixing pulley	1	
11 ETC6675	Lever throttle	1	
12 ETC4417	Link throttle assembly	1	
13 NH105041L	Nut	2	
14 WA105001L	Washer	2	
15 ERR3617	Gasket injection pump	1	
16 BAU4611L	Switch-fuel-cut off	1	
17 ETC4752	Sleeve-locking speed stop	1	
18 RTC5891	Spring-throttle return	1	

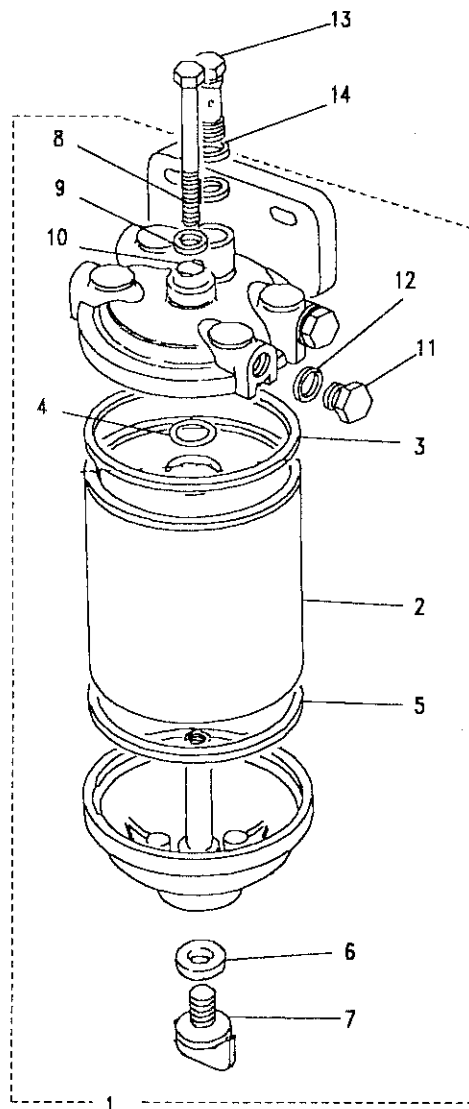


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ENGINE - INJECTOR AND PIPES - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERC4480	Spill return assembly	1	
2 ETC4291	Pipe-injector No.1	1	
3 ETC4292	Pipe-injector No.2	1	
4 ETC4293	Pipe-injector No.3	1	
5 ETC4294	Pipe-injector No.4	1	
6 ERR1266	Injector	4	
564332E	Injector	4	Exchange
247726	Nozzle	4	
7 NH108041L	Nut-injector to head	8	
8 WL108001L	Washer-injector to head	8	
9 247179	Washer-joint-injector	4	
10 12H220L	Washer-spring-injector	4	
11 ETC4156	Clip-injector pipes	2	
12 ETC4308	Clip-injector pipes	1	
13 273069	Washer-joint-leak off pip	8	
14 273521	Banjo-1, 2, 3, injectors	3	
563195	Banjo-4 injector	1	

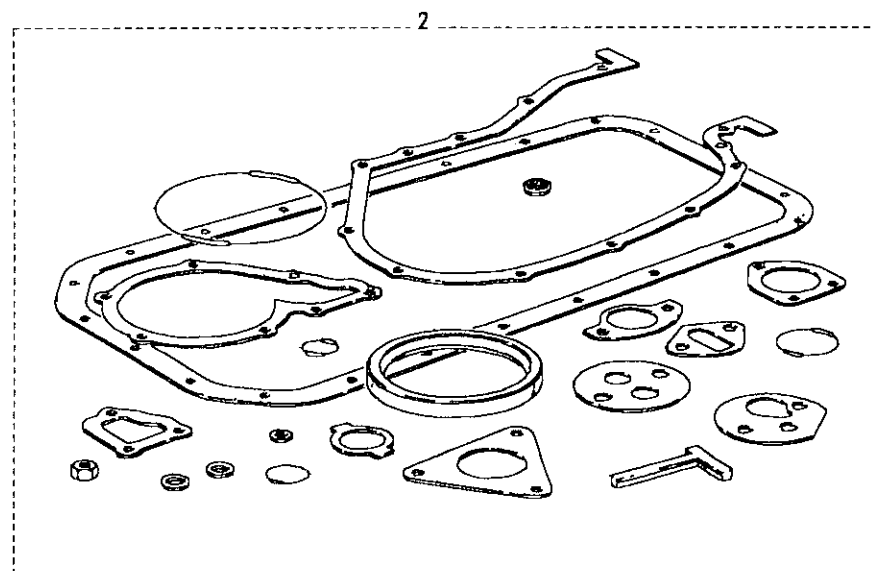
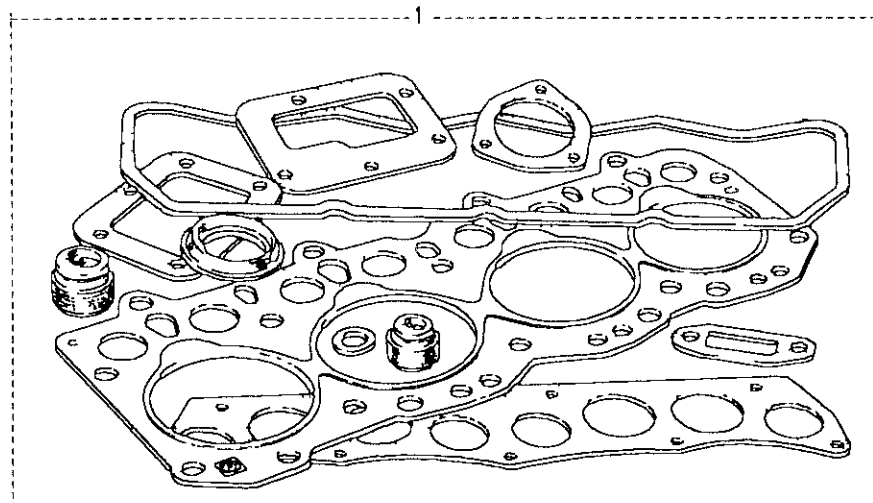




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ENGINE - FUEL FILTER - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 563190	Filter fuel	1	
2 90517711	Element	1	
3 AAU9903	Seal-element-top	1	
4 37H575L	Seal-element-top-small	1	
5 AAU9902	Seal-element-bottom	1	
6 605013	Seal-drain plug	1	
7 605012	Plug drain	1	
8 37H8119L	Bolt	1	
9 522940	Washer-bolt	1	
10 37H770L	O ring-bolt	1	
11 517689	Plug-blanking	1	
12 517706	Washer-plug	1	
13 13H1515L	Bolt-banjo	1	
14 517976	Washer-joint-banjo bolt	2	
15 SH108301L	Bolt-to Dash	2	
16 WL108001L	Washer-spring-to dash	2	
17 WA108051L	Washer-to dash	2	
18 ATU1005L	Supercert-to dash	2	



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ENGINE - GASKET KIT - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 STC1562	Kit gasket cylinder head	1	
2 STC1559	Kit gasket overhaul	1	



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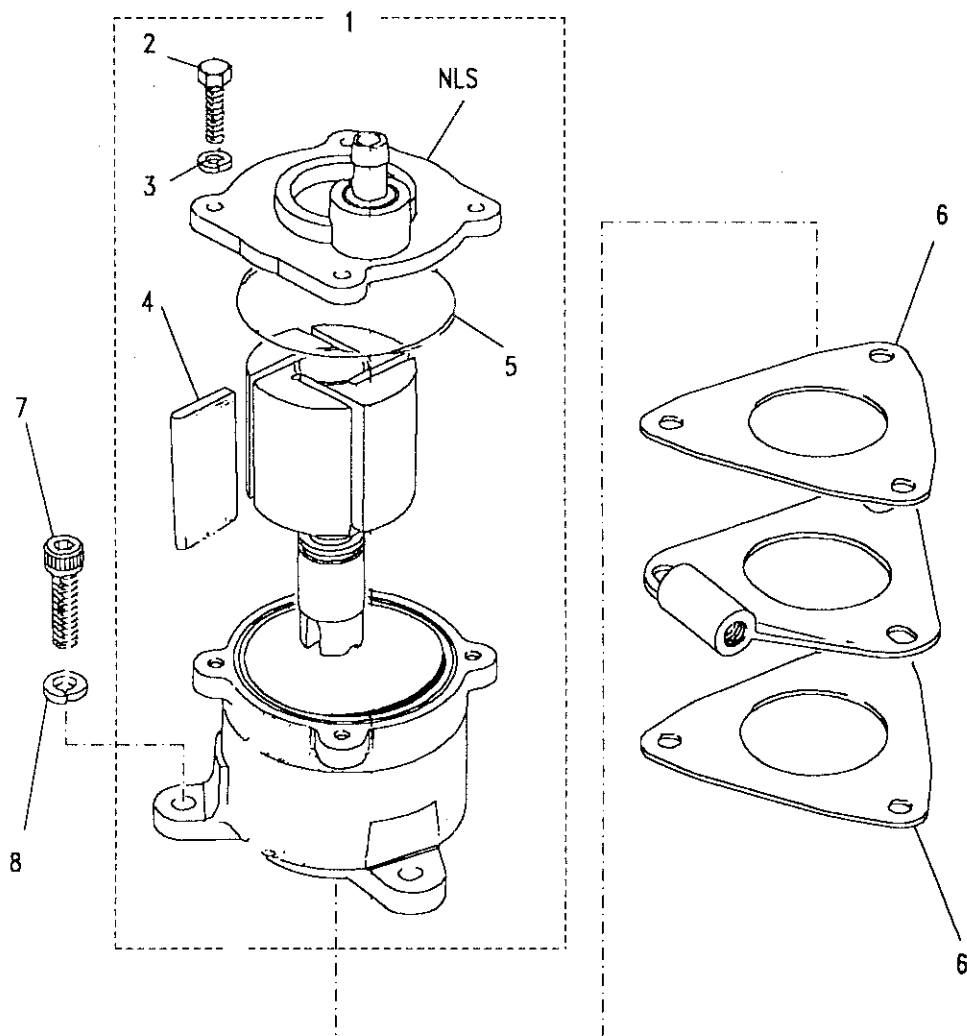
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ENGINE - VACUUM PUMP - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1	ERR535	1	Pump vacuum assembly
2	AEU2720	4	Bolt
3	WL106001L	4	Washer
4	AEU2718	4	Blades rotor
5	AEU2719	1	O ring
6	ETC4616	2	Gasket
7	SS108301L	3	Bolt
8	WM600051L	3	Washer

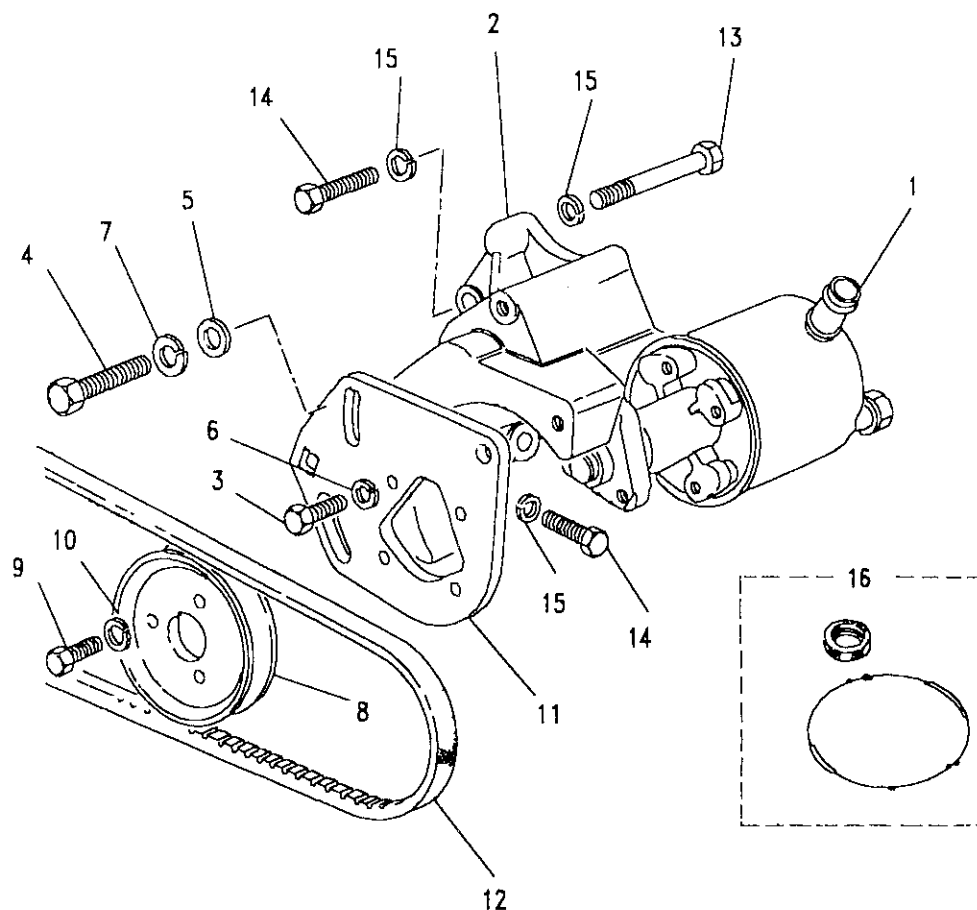


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ENGINE - POWER STEERING PUMP - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC9077	Pump power steering	1	)UptoJUNE1989
RTC5674	Barjo	1	
RTC5675	Washer sealing	1	
1 NTC8287	Pump power steering	1	)FromJUNE1989
1 NTC9070	Pump power steering	1	)UptoJULY1992
2 ERC6974	Bracket	1	
ETC8854	Bracket	1	FromJUNE1989
3 FS106201L	Screw-pump to bracket	4	
4 SH108251L	Screw-pump to bracket	3	
5 WA108051L	Washer-pump to bracket	2	
6 WL106001L	Washer spring	4	
7 WL108001L	Washer spring	3	
8 ETC5783	Pulley	1	
9 SH108141L	Screw-pulley to pump	3	
10 WL108001L	Washer plain	3	
11 ERR1976	Plate mounting	1	UptoJULY1992
ERR2605	Plate mounting	1	
12 ETC5815	Belt-power steering pump	1	
13 BH108181L	Bolt	1	
14 SH108251L	Screw	2	
SH108301L	Screw	1	
15 WL108001L	Washer spring	4	
16 RTC5935	Kit seal (ETC9077)	1	
STC1633	Kit seal (NTC9070)	1	

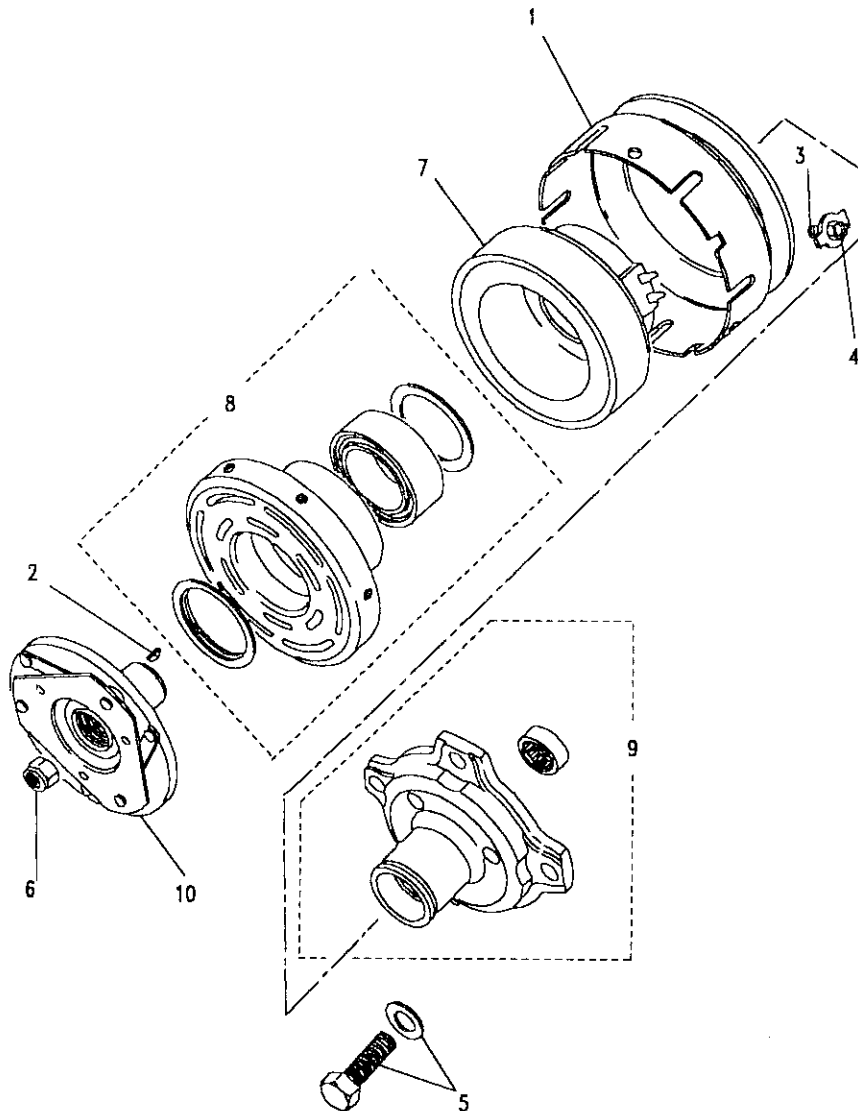


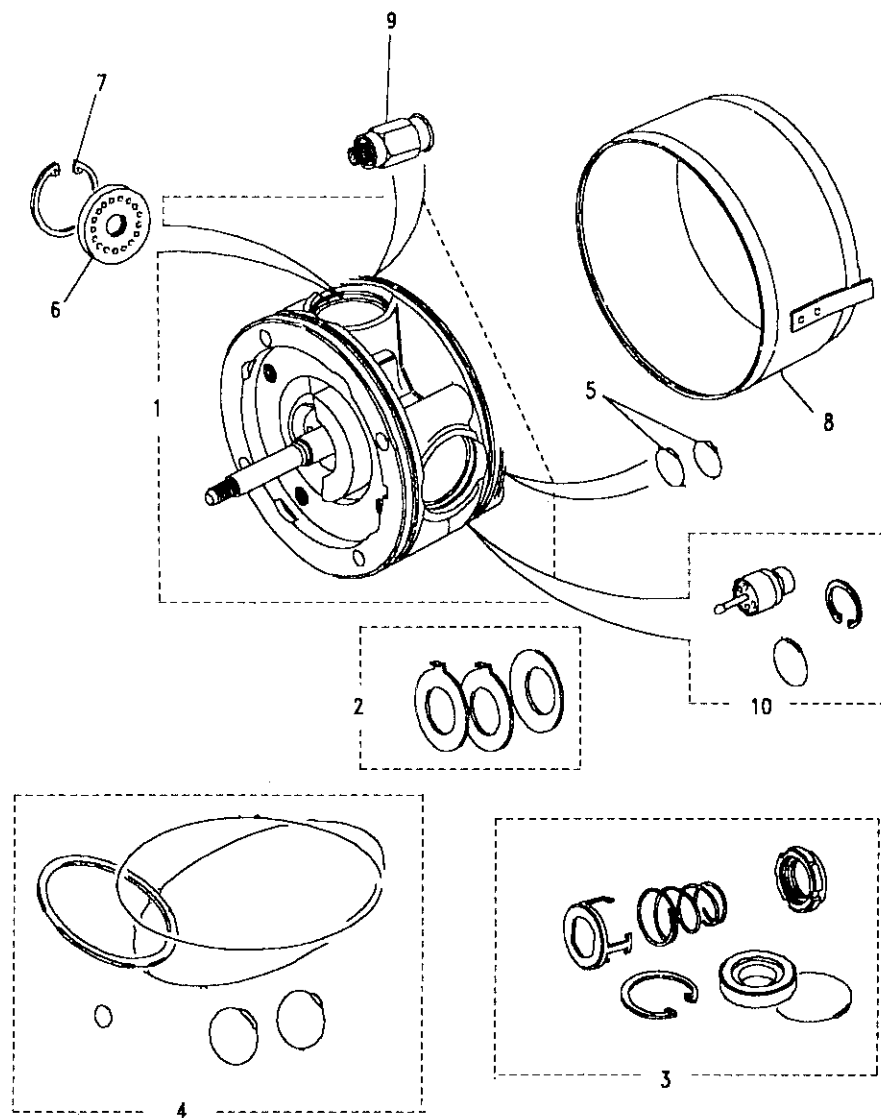
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ENGINE - AIRCON COMPRESSOR - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
BTR9419	Compressor assembly	1	Note(2)
ERC6480	Compressor assembly	1	Note(1)
1 AEU1782	Pulley rim	1	
2 AEU1694	Key-clutch hub	1	
3 AEU1780	Screw-rim mounting	6	
4 AEU1779	Washer-rim mounting	6	
5 AEU1784	Screw and washer assy	4	
6 AEU1775	Nut-shaft	1	
7 AEU1778	Coil and housing assy	1	
8 AEU1777	Rotor and Bearing Assemb	1	
9 AEU1785	Front Head/bearing assy	1	
10 AEU1776	Clutch assembly	1	

Note(1) Up to VIN MA949374
Note(2) From VIN MA949375





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ENGINE - AIRCON COMPRESSOR - 2.5 DIESEL

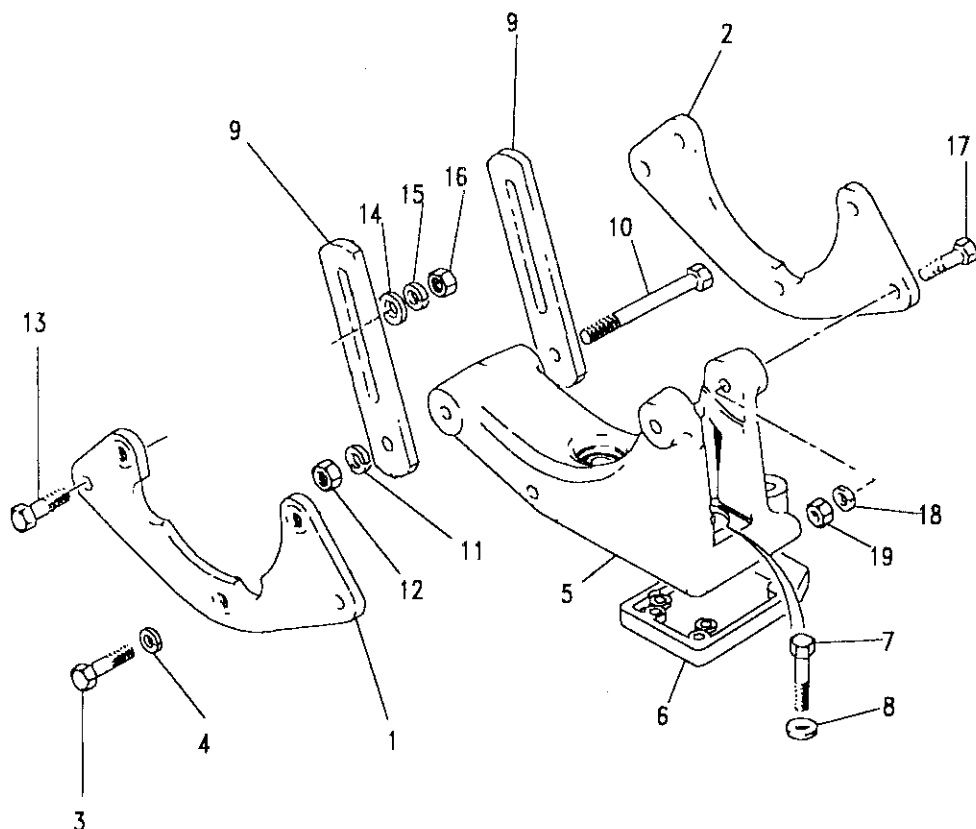
III. Part No.	Description	Qty	Remarks
BTR9419	Compressor assembly	1	Note(2)
ERC6480	Compressor assembly	1	Note(1)
1 AEU1792	Kit-cylinder and shaft	1	
2 AEU1791	Kit-thrust washers	1	
3 AEU1790	Kit-shaft seal	1	
4 AEU1192	Kit-'O' rings	1	
5 AEU1690	'O' ring-ports	2	
6 AEU1788	Plate valve assembly	4	
7 AEU1787	Ring retaining	4	
8 AEU1786	Shell assembly	1	
9 AEU1689	Valve pressure release	1	
10 AEU1688	Kit-superheat switch	1	
ETC4371	Belt-timing	1	
AEU1691	Oil-525 Visc/2pt-(1136ml)	A/R	

Note(1) Up to VIN MA949374
 Note(2) From VIN MA949375

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ENGINE - COMPRESSOR FIXINGS - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ERC7082	Plate mounting-front	1	
2 ERC5152	Plate mounting-rear	1	
3 BH110201L	Bolt-compressor to plate	3	
4 WL110001L	Washer spring	3	
5 ETC4882	Bracket-mounting	1	
6 ETC4197	Adaptor plate-bracket	1	
7 BH110101L	Bolt-bracket to cover	4	
8 WA110061L	Washer plain	4	
9 ERC5155	Link-adjusting	2	
10 BH108181L	Bolt-link to bracket	1	
11 WL108001L	Washer spring	1	
12 NH108041L	Nut	1	
13 SH108251L	Screw-link to plate	2	
14 WA108051L	Washer	2	
15 WL108001L	Washer spring	2	
16 NH108041L	Nut	2	
17 FB108081L	Bolt-bracket topPlates	2	
18 WL108001L	Washer spring	2	
19 NH108041L	Nut	2	





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ENGINE

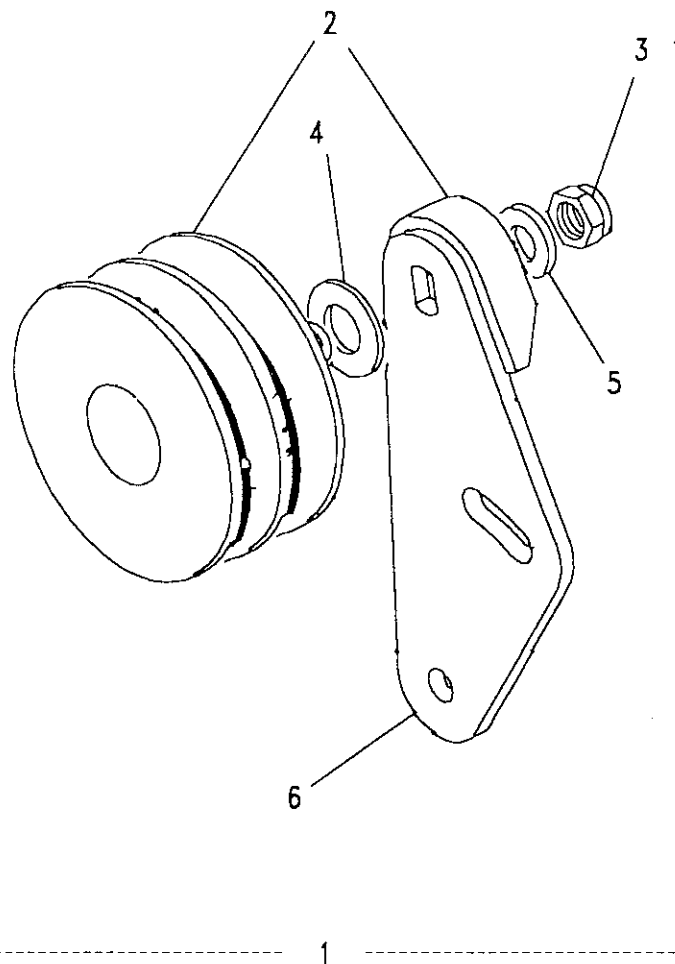
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ENGINE - AIRCON IDLER PULLEY - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC7756	Pulley damper assembly	1	Note(1)
2 554971	Pulley	1	
3 RTC6077	Nut	1	
4 4095	Washer plain	1	
5 WB108051L	Washer plain	1	
6 ETC4212	Plate mounting	1	

Note(1) ETC7756 cost saving double groove pulley-single fitted on track



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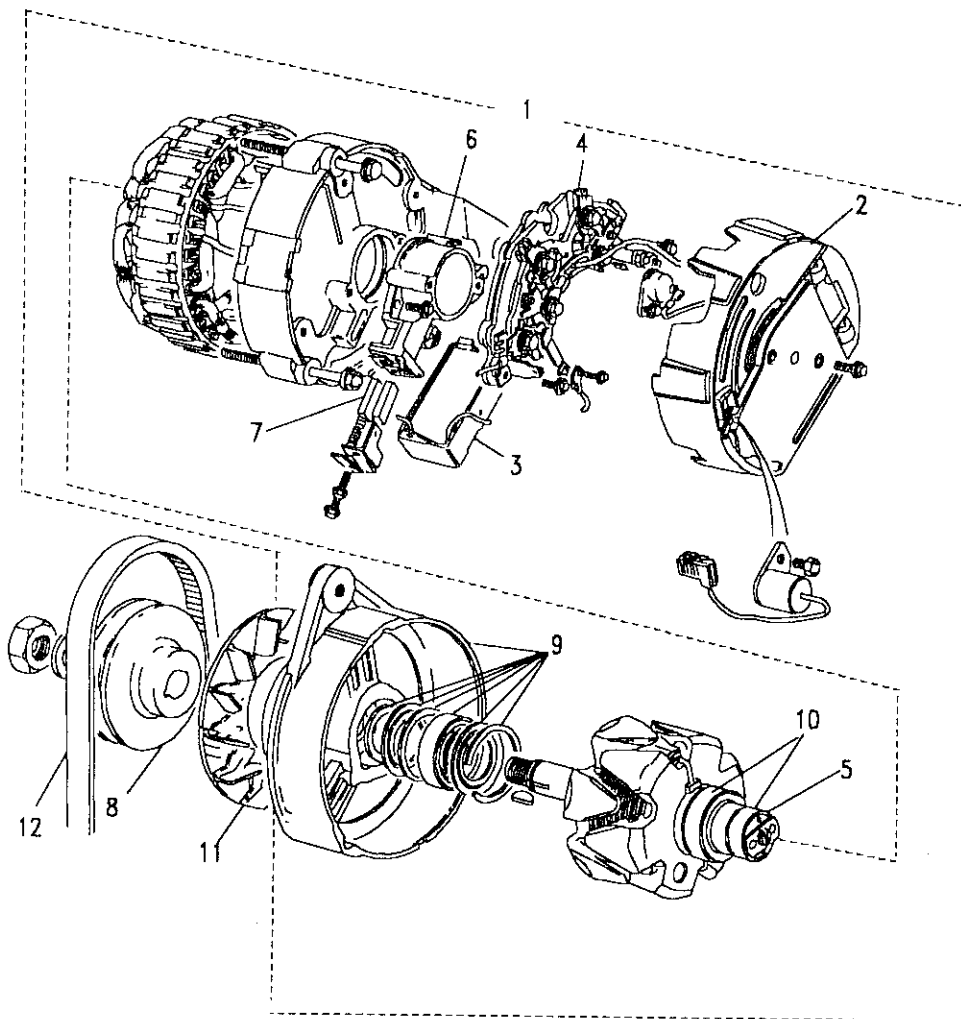
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ENGINE- ALTERNATOR - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 RTC5083E	Alternator A115/45	1	Note(1)
2 AEU2507	Cover	1	
3 AEU3076	Regulator	1	
4 BAU1825	Rectifier	1	
5 BAU2193	Slip ring	1	
6 BAU2195	Brush box	1	
7 RTC3215	Brush set	1	
8 568788	Pulley	1	
9 18G8619L	Kit-bearing-drive end	1	
10 AEU1532	Kit-slip ring end bearing	1	
11 C37222L	Fan	1	
12 ETC7939	Belt fan	1	
AEU1706	Kit-screw	1	
AEU1710	Kit-sundry parts	1	
AEU1942	Kit-spacer	1	

Note(1)

LUCAS number LRA356



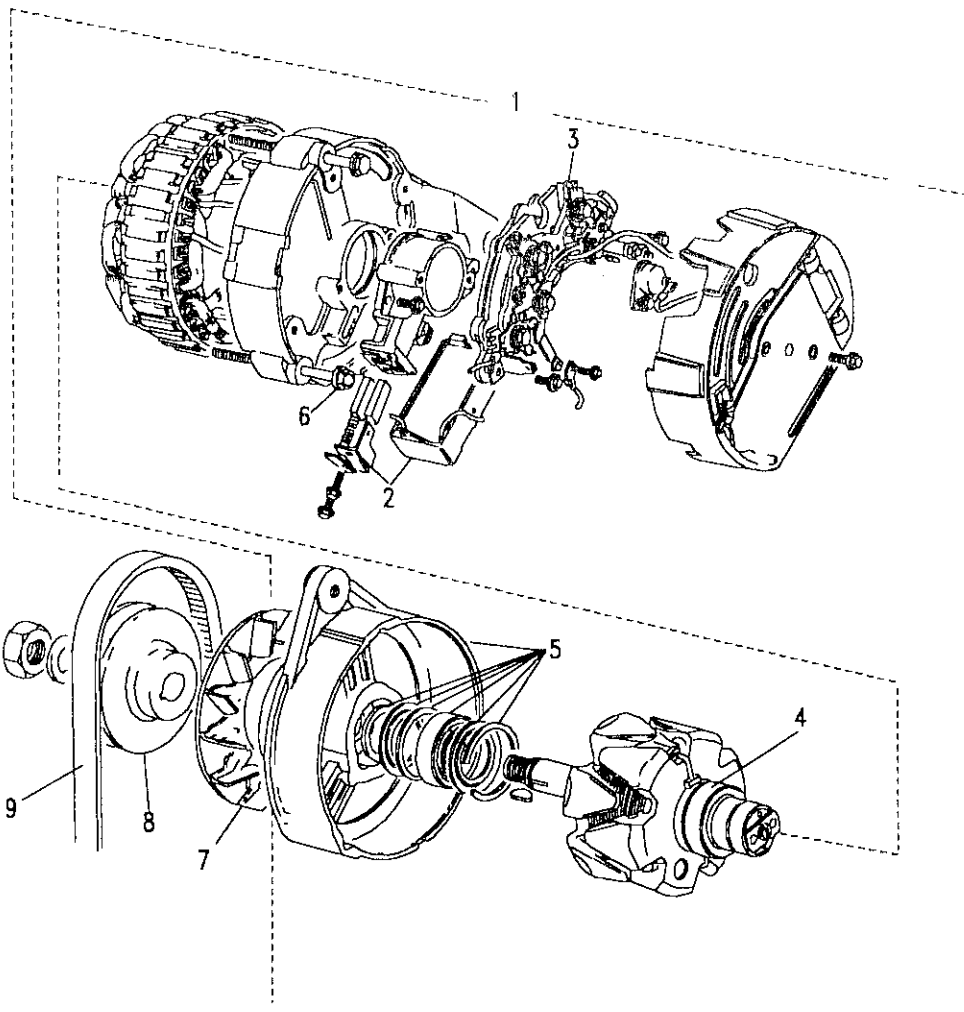
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ENGINE- ALTERNATOR - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 RTC5682N	Alternator A127/45	1	Note(1)
RTC5682E	Alternator A127/45	1	
2 RTC5670	Regulator and brush box	1	
3 RTC5684	Rectifier	1	
4 RTC5926	Bearing-slip ring end	1	
5 RTC5687	Bracket	1	
6 RTC5925	Kit-through bolts	1	
7 RTC5685	Fan	1	
8 RTC5686	Pulley	1	
9 ETC7939	Belt fan	1	
RTC5689	Spacer-pulley	1	

Note(1) LUCAS number 24199



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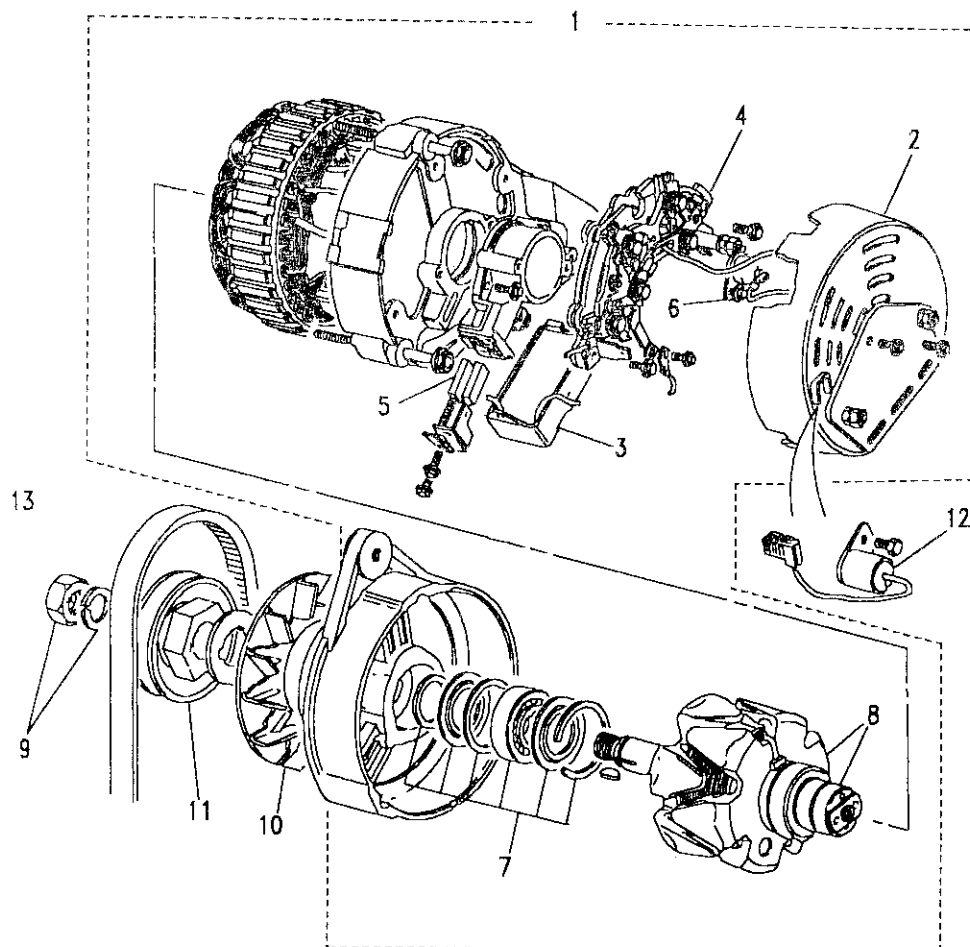
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ENGINE- ALTERNATOR - 2.5 DIESEL - AIR CON

III. Part No.	Description	Qty	Remarks
1 RTC5218E	Alternator A133/65	1	Note(1)
2 AEU1725	Cover	1	
3 AEU3076	Regulator	1	
4 AEU1527	Rectifier	1	
5 RTC3292	Brush set	1	
6 STC130	Surge protection device	1	
7 AEU1726	Kit bearing-drive end	1	
8 AEU1532	Kit bearing-slip ring	1	
9 AEU1710	Kit-sundry parts	1	
10 ADU4928L	Fan	1	
ERC8987	Nut-special	1	
11 ERC8986	Pulley	1	
12 AEU1616	Capacitor suppressor	1	
13 ETC7939	Belt fan	1	
AEU1706	Kit-screw	1	
AEU1708	Kit-spacer	1	
AEU1709	Kit-terminal	1	

Note(1)

LUCAS number LRA406

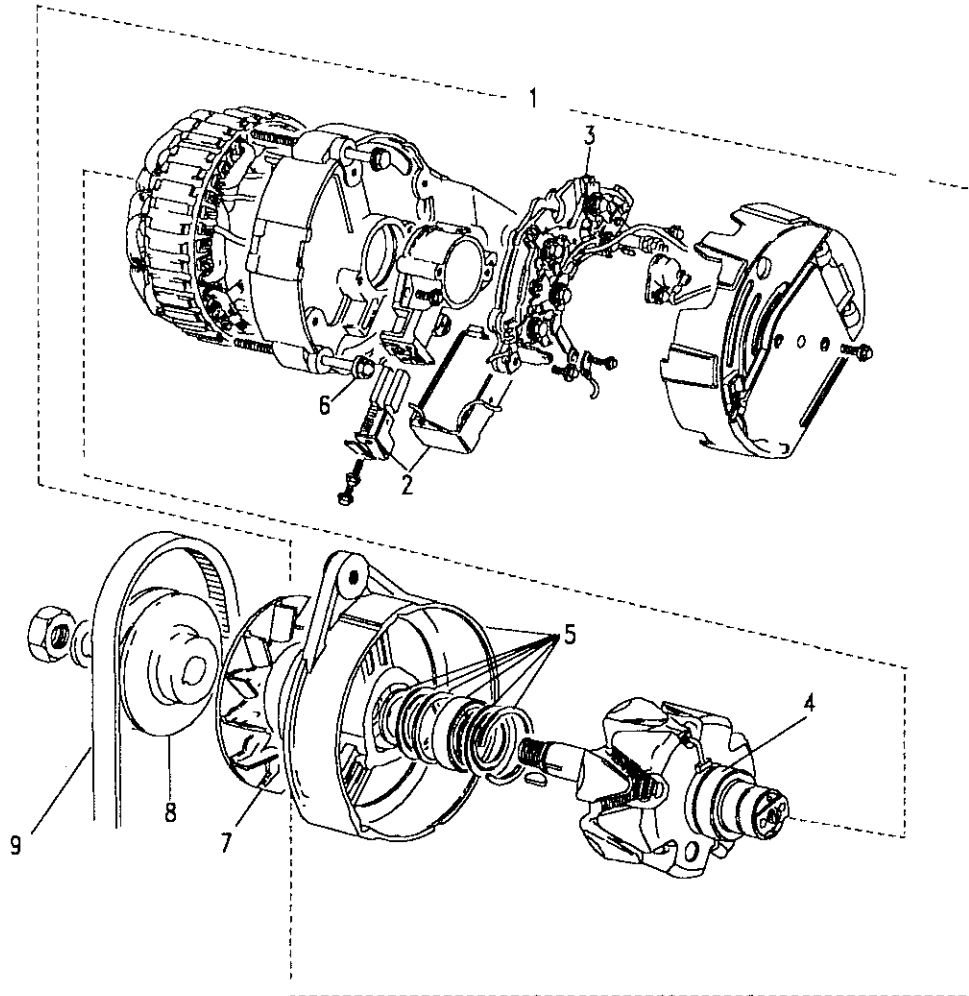


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ENGINE - ALTERNATOR - 2.5 DIESEL- AIR CON

III. Part No.	Description	Qty	Remarks
1 RTC5680N	Alternator A127/65	1	Note(1)
RTC5680E	Alternator A127/65	1	
2 RTC5670	Regulator and brush box	1	
3 RTC5671	Rectifier	1	
4 RTC5926	Bearing-slip ring end	1	
5 RTC5687	Bracket	1	
6 RTC5925	Kit-through bolts	1	
7 AAU2249L	Fan	1	
8 RTC5686	Pulley	1	
9 ETC7939	Belt fan	1	
RTC5689	Spacer-Pulley	1	

Note(1) LUCAS number 24220

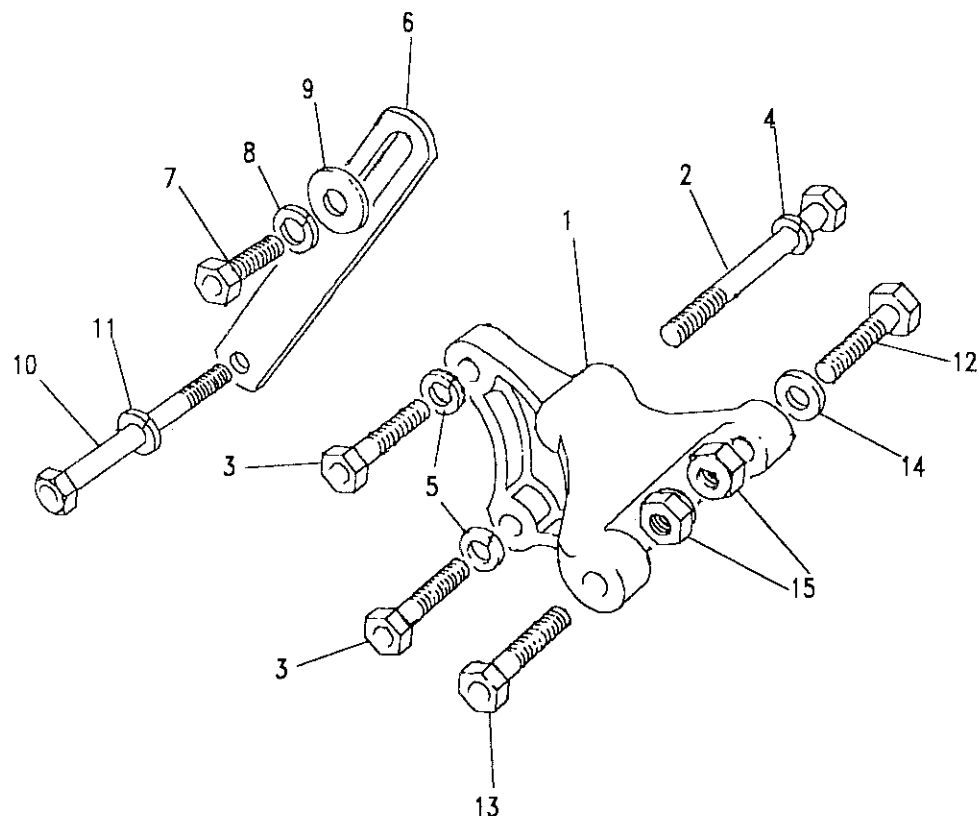


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ENGINE- ALTERNATOR FIXINGS - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC4357	Bracket-mounting	1	
2 BH108161L	Bolt-bracket to block	1	
3 SH110301L	Bolt-bracket to block	2	
4 WL108001L	Washer	1	
5 WL108001L	Washer	2	
6 ERC5139	Link-adjusting	1	Note(1)
ERC6266	Link adjusting	1	Note(2)
7 FS108201L	Screw-link to alternator	1	
8 WL108001L	Washer spring	1	
9 2266L	Washer	1	
10 ERC8964	Bolt-link to block	1	
11 WL108001L	Washer spring	1	
12 FB108081L	Bolt-bracket to block	1	
13 BH108091L	Bolt-bracket to block	1	
16 ERC7974	Spacer	1	
14 WC108051L	Washer	1	
15 NY108041L	Nut nyloc	2	

Note(1) Use with A115 and A113 type ALTERNATORS
Note(2) Use with A127 type ALTERNATORS



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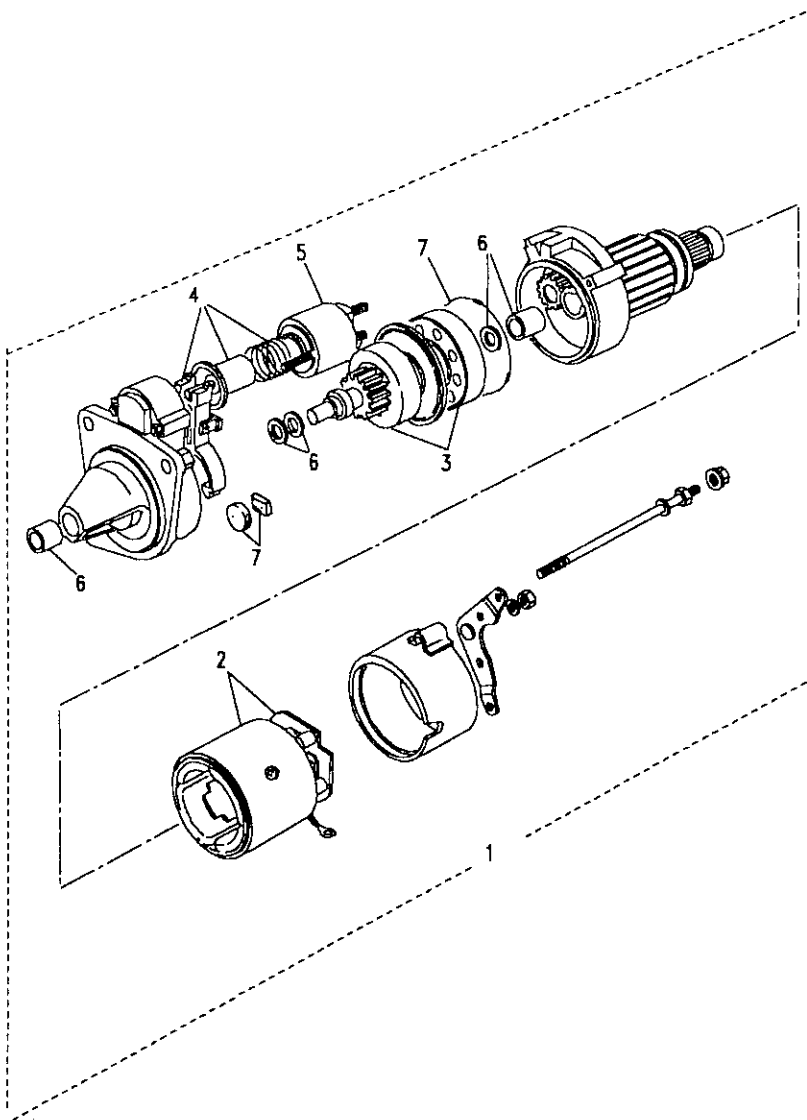
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ENGINE-STARTER MOTOR - 2.5 DIESEL

III. Part No. Description Qty Remarks

Used up to 12J52162C

1	PRC5109	Starter motor-D9R91	1
	PRC5109E	Starter motor-exchange	1
2	RTC4981	Inductor with brush	1
3	RTC4982	Pinion drive assembly	1
4	RTC4979	Lever shift assembly	1
5	RTC4978	Solenoid	1
6	RTC4980	Kit repair	1
7	RTC4983	Kit gasket	1
	PRC5538	Cable earth	1
	SH110301L	Screw-starter to flywheel	1
	NH110041L	Nut-starter	2
	WL110001L	Washer spring	3
	BH110091L	Bolt-starter to flywheel	4

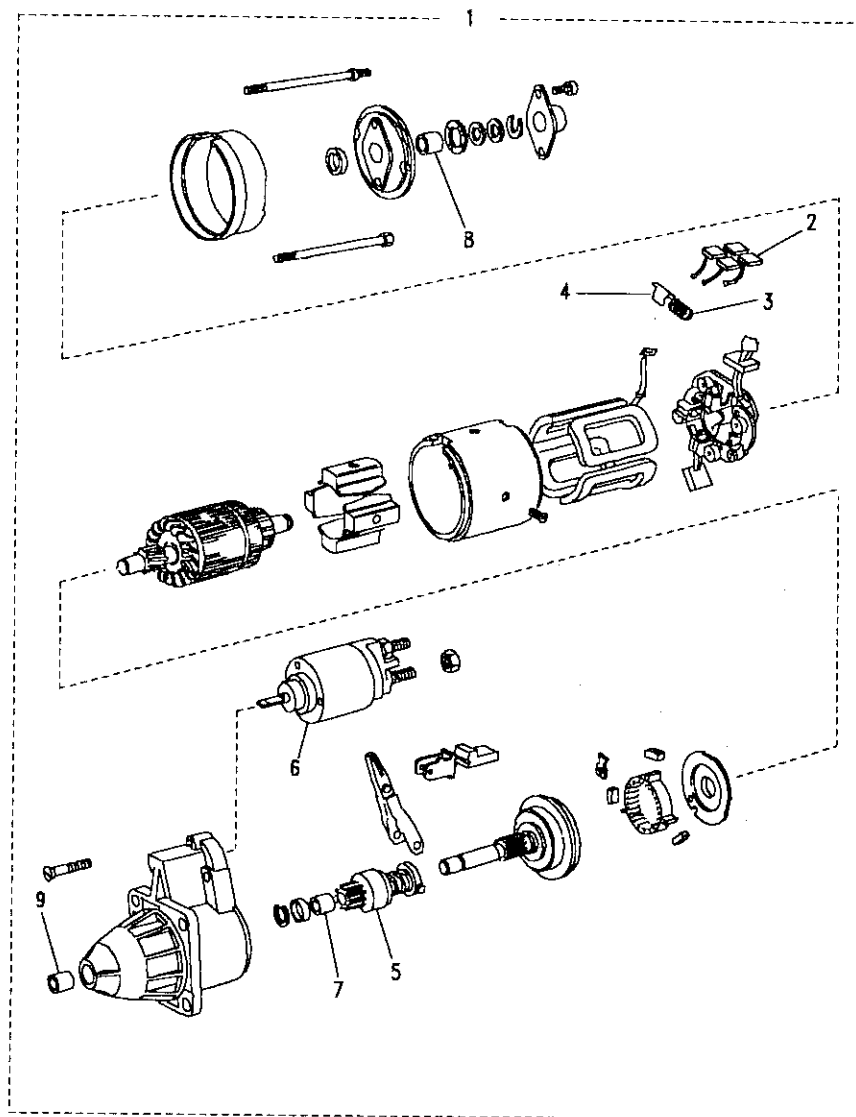


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ENGINE-STARTER MOTOR - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
Used from 12J52163C			
1 ERR5009	Starter motor	1	
2 STC1246	Brush set	1	
3 STC1254	Spring	4	
4 STC1247	Guide brush	1	
5 STC1244	Drive assembly	4	
6 STC1245	Solenoid	1	
7 STC1250	Bush	2	
8 STC1251	Bush	1	
9 STC1255	Bush	1	

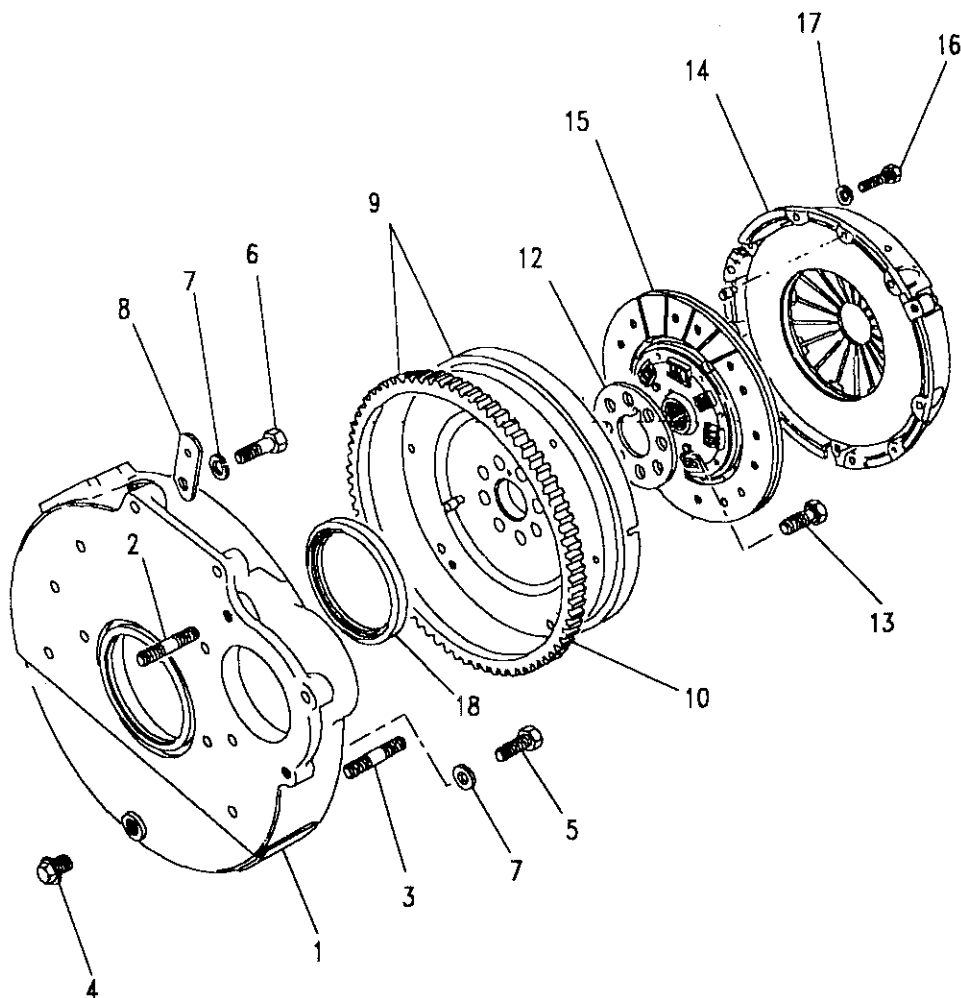


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ENGINE - FLYWHEEL & CLUTCH - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
1 ETC7336	Housing flywheel assembly	1	UptoJAN1993
ERR3920	Housing flywheel assembly	1	FromJAN1993
2 TE110061L	Stud-bell housing	11	
3 ERC9240	Stud-starter motor	1	
4 ERC7295	Plug	2	
NH110041L	Nut	11	
5 SH110301L	Screw-housing to block	6	
6 BH110091L	Bolt-housing to block	2	
7 WA110061L	Washer-housing to block	8	
8 ERC9404	Bracket-harness clip	2	
9 ETC5780	Flywheel assembly	1	
10 568431	Ring starter	1	
11 502116	Dowel	3	



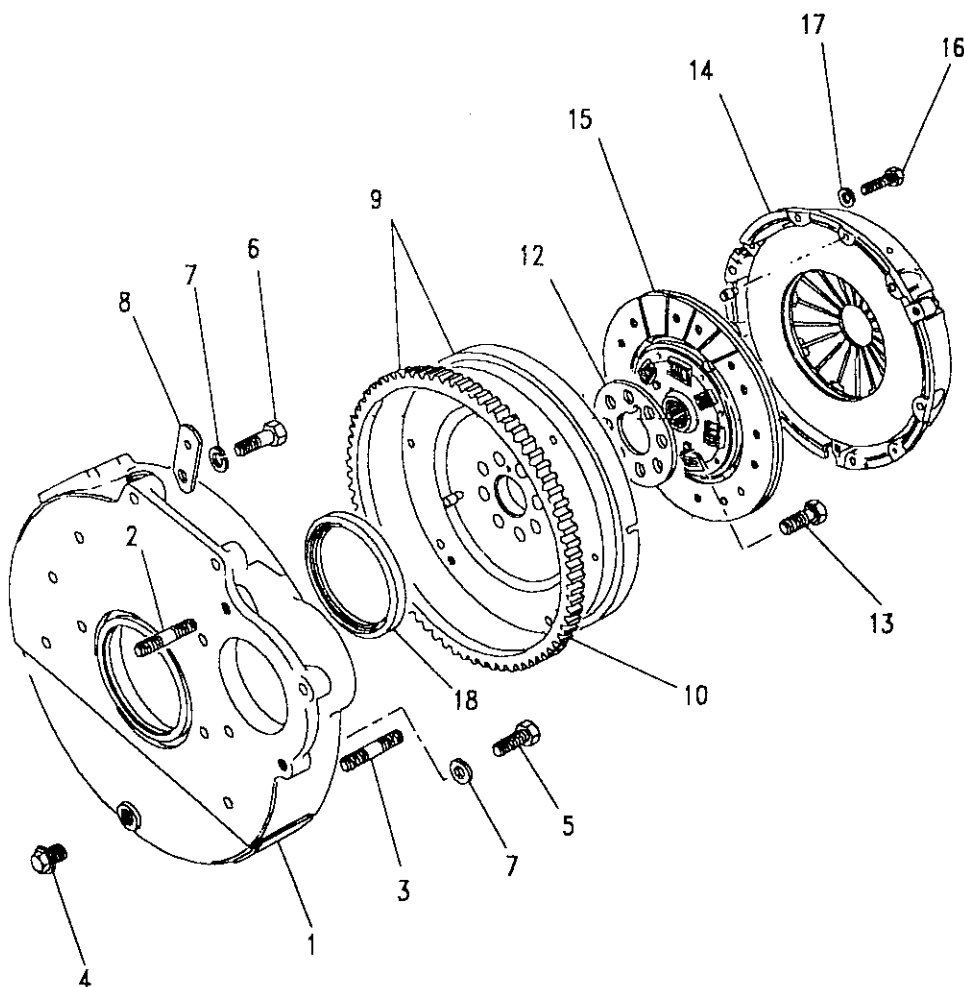
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ENGINE - FLYWHEEL & CLUTCH - 2.5 DIESEL

III. Part No.	Description	Qty	Remarks
12 ERC4658	Plate reinforcement	1	Note(1)
13 ERC6551	Bolt-flywheel to crank	8	Note(1)
ERR4574	Bolt-flywheel to crank	8	From Dec 93
14 FTC575	Cover clutch	1	
15 FTC2149	Plate clutch	1	
STC8358	Kit clutch	1	
FTC575	Cover	1	
FTC2149	Plate	1	
FRC9568	Bearing	1	
16 SX108201L	Screw	6	
17 WL108001L	Washer spring	6	
18 ERR2532	Seal oil	1	

Note(1)

Only fitted up to Dec 93. The reinforcing plate was found to serve no useful purpose. If replacing use shorter screws.





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GROUP B

ENGINE

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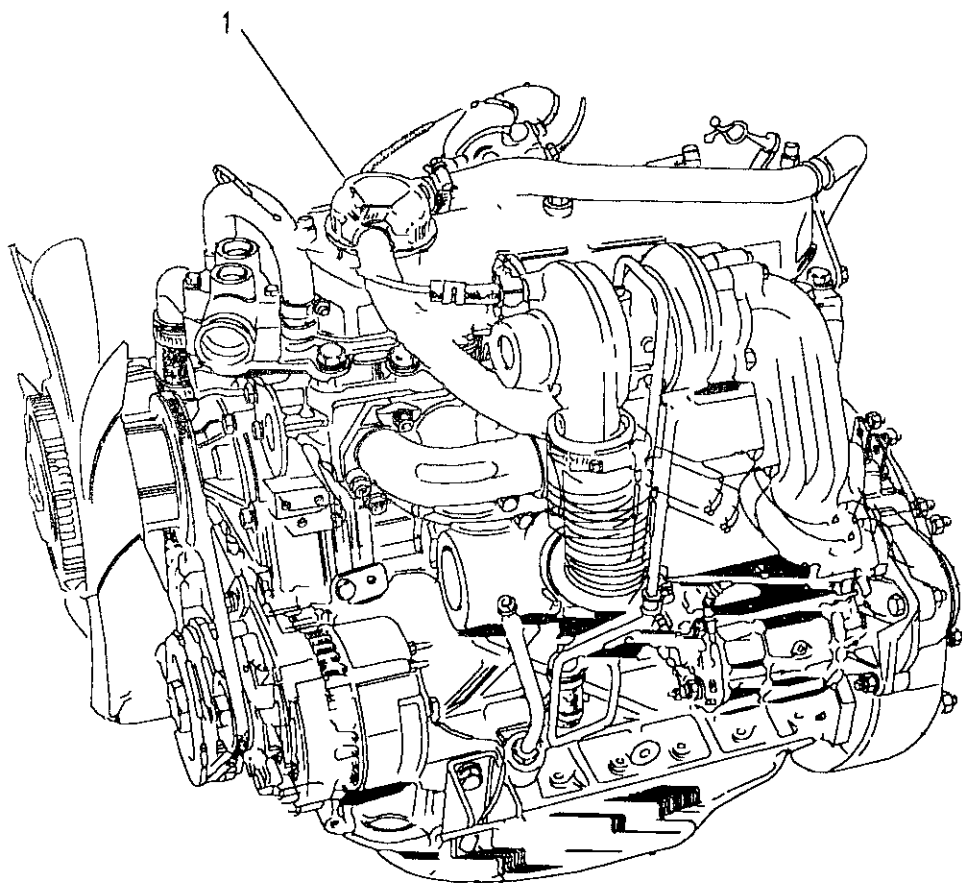
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ENGINE - ENGINE COMPLETE - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC5700	Engine complete assembly	1	Note(1)
ETC6881	Engine complete assembly	1	Note(2)
ETC6882	Engine complete assembly	1	Note(3)
ETC6883	Engine complete assembly	1	Note(4)
ETC6884	Engine complete assembly	1	Note(5)
ETC6885	Engine complete assembly	1	Note(6)
ETC6886	Engine complete assembly	1	Note(7)
ETC6887	Engine complete assembly	1	Note(8)

Note(1)	Serial Number 19J00001C BASIC-UK/EUROPE
Note(2)	Serial Number 19J00001C with P.A.S.-UK/EUROPE
Note(3)	Serial Number 19J00001C with AIR CON-UK/EUROPE
Note(4)	Serial Number 19J00001C with P.A.S. & AIR CON-UK/EUROPE
Note(5)	Serial Number 19J00001C BASIC-REST OF WORLD
Note(6)	Serial Number 19J00001C with P.A.S.-REST OF WORLD
Note(7)	Serial Number 19J00001C with AIR CON-REST OF WORLD
Note(8)	Serial Number 19J00001C with P.A.S. & AIR CON-REST OF WORLD

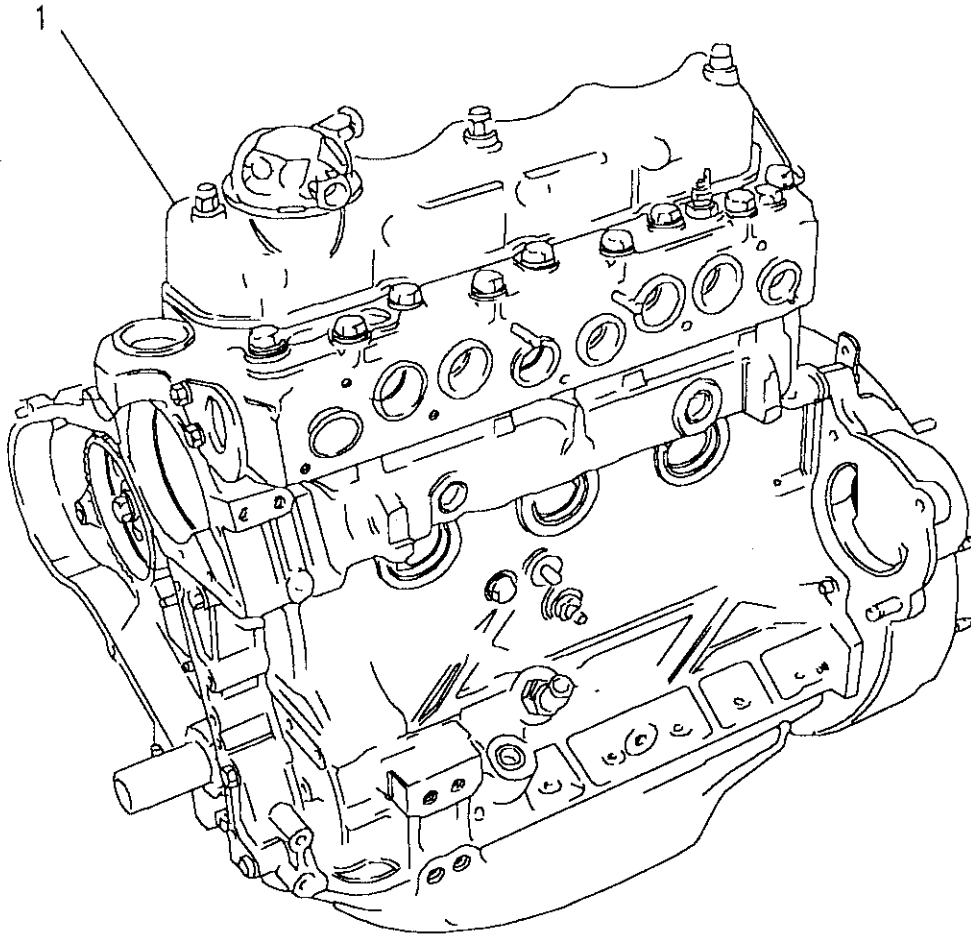


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ENGINE - ENGINE STRIPPED - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 RTC6802N	Engine stripped assy	1	
RTC5265R	Engine stripped-recon	1	Note(1)
RTC6802R	Engine stripped-recon	1	Note(2)

Note(1) Reconditioned unit available up to engine No 19J15451C
 Note(2) Reconditioned unit available from engine No 19J15452C





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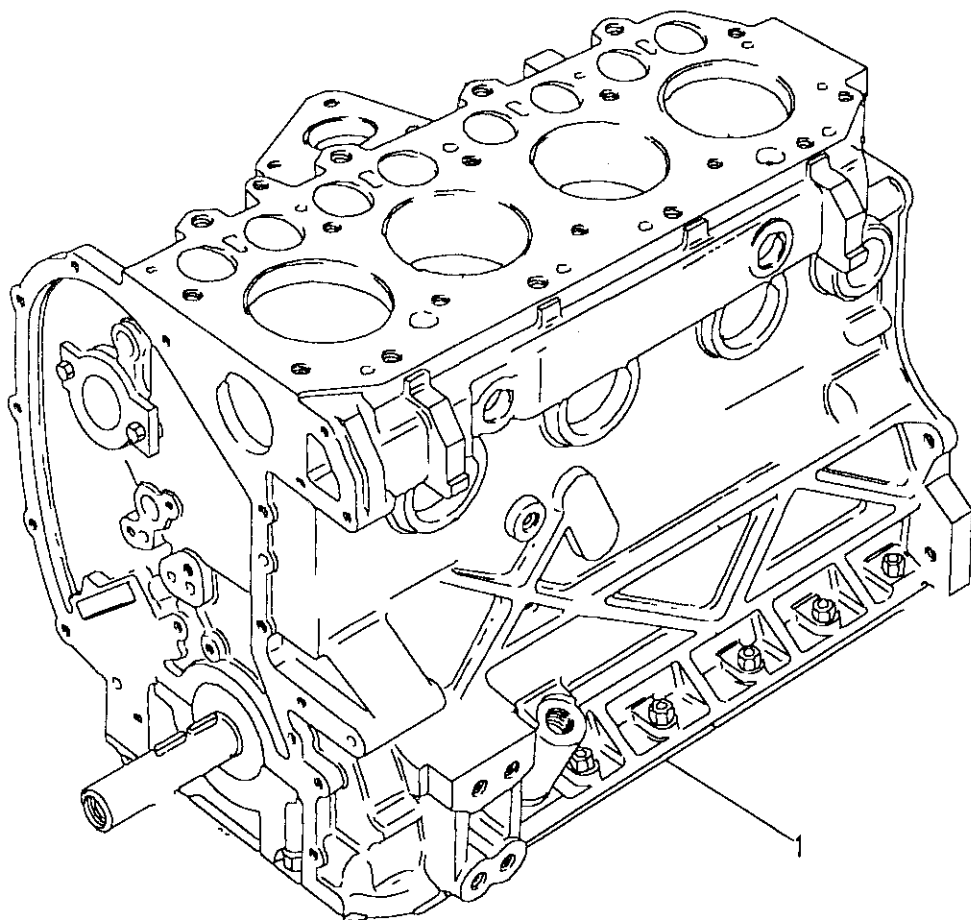
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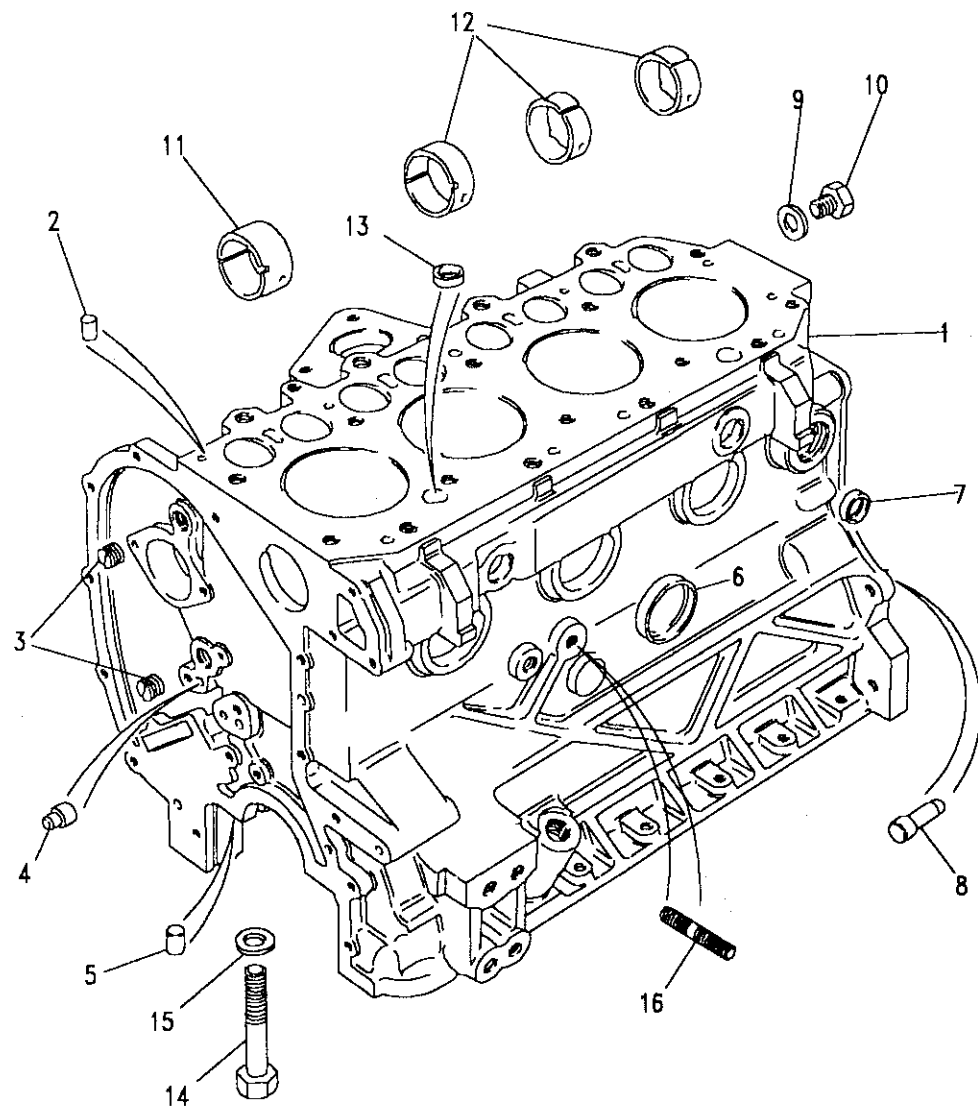
ENGINE

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Page AFBHAE1A

ENGINE - ENGINE SHORT - 2.5 DIESEL TURBO

III. Part No.	Description	Qty Remarks
1 RTC6795	Engine short assembly	1





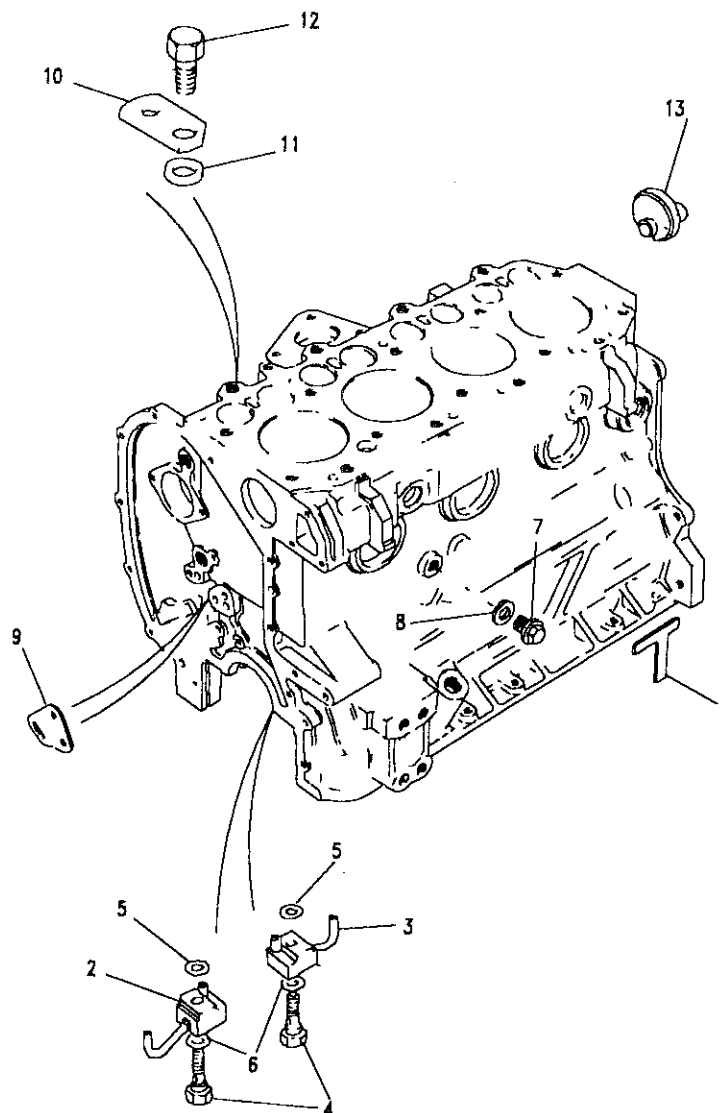
Model DEFENDER 110 1987 onwards
Page AFBHA1A

ENGINE - CYLINDER BLOCK - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC8767	Cylinder block assembly	1	Note(1)
2 247965	Plug-tappet feed hole	1	
3 247127	Plug-oil gallery	2	
4 ETC4529	Cup plug	1	
5 501593	Dowel-bearing caps	10	
6 ERC4996	Cup plug-side/ends	5	
7 597586	Cup plug-water rail-ends	3	
8 ERC4644	Dowel flywheel housing	2	
9 243959	Washer joint	2	
10 536577	Plug-gallery pipe	2	
11 90519054	Bearing-camshaft-front	1	
12 90519055	Bearing-camshaft	3	
13 ERC4995	Cup plug-top	2	
14 ETC7596	Bolt flanged	10	
15 504006	Washer-main bearing cap	10	
ERR5034	Plug-camshaft oil feed	3	
16 TE108031L	Stud-starter motor	1	

Note(1)

This block used up to 19J27514C page 126



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Page AFBHBA2A

ENGINE - CYLINDER BLOCK - 2.5 DIESEL TURBO

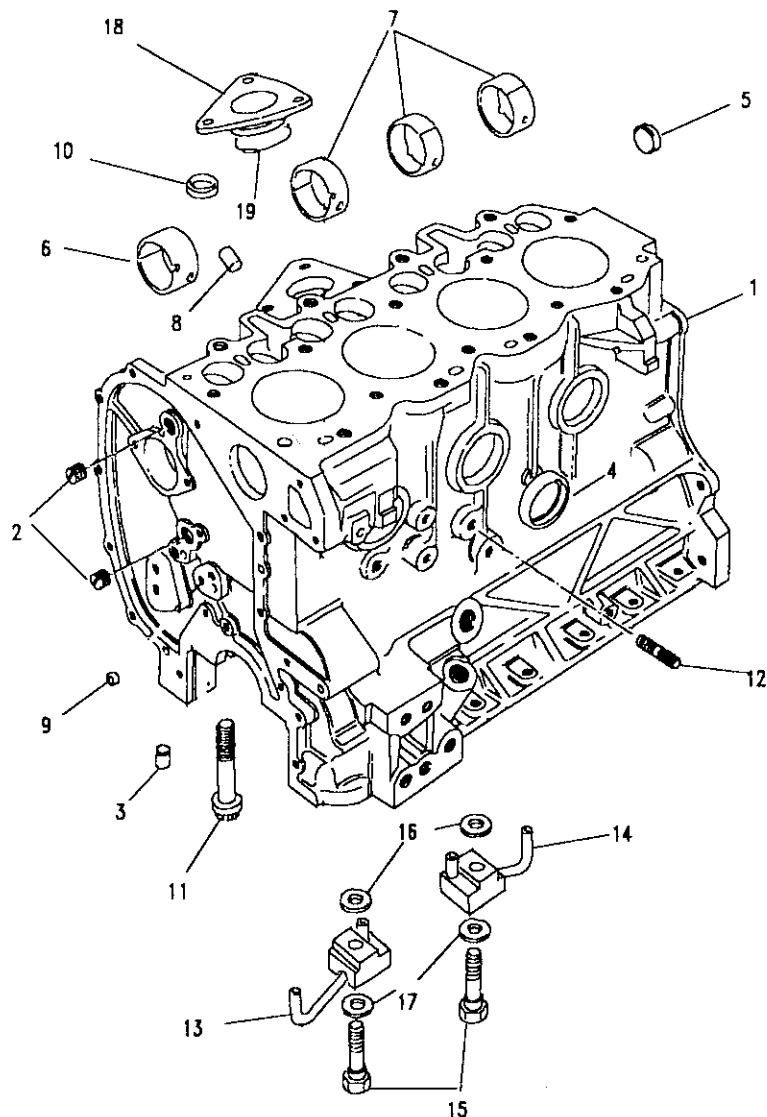
III. Part No.	Description	Qty	Remarks
1 ERC5086	Strip packing	2	
2 ETC6531	Jet assembly No1&No3 cyl	2	
3 ETC6532	Jet assembly No2&No4 cyl	2	
4 ETC5592	Valve relief	4	
5 AFU1879L	Washer joint	4	
6 AFU1887L	Washer joint	4	
7 ERC9410	Plug drain	1	
8 AFU1882L	Washer joint	1	
9 ERC8864	Gasket	1	
10 ERC9404	Bracket-cable clip	1	
11 WA108051L	Washer-bracket to block	1	
12 SH108161L	Screw-bracket to block	1	
13 ETC8530	Breather assembly	1	
ETC5755	Adaptor-oil feed to turbo	1	

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Page AFBHBA3A

ENGINE - CYLINDER BLOCK - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1	ERR479	1	Note(1)
2	247127	2	
3	501593	10	
4	ERC4996	6	
5	597586	3	
6	ETC8442	1	
7	90519055	3	
8	ERR5034	3	
9	ETC4529	1	
10	ERC4995	2	
11	ETC8074	10	
12	TE108031L	1	
13	ETC6531	2	
14	ETC6532	2	
15	ETC5592	4	
16	AFU1879L	4	
17	AFU1887L	4	
18	ERR586	1	
19	ERR531	1	

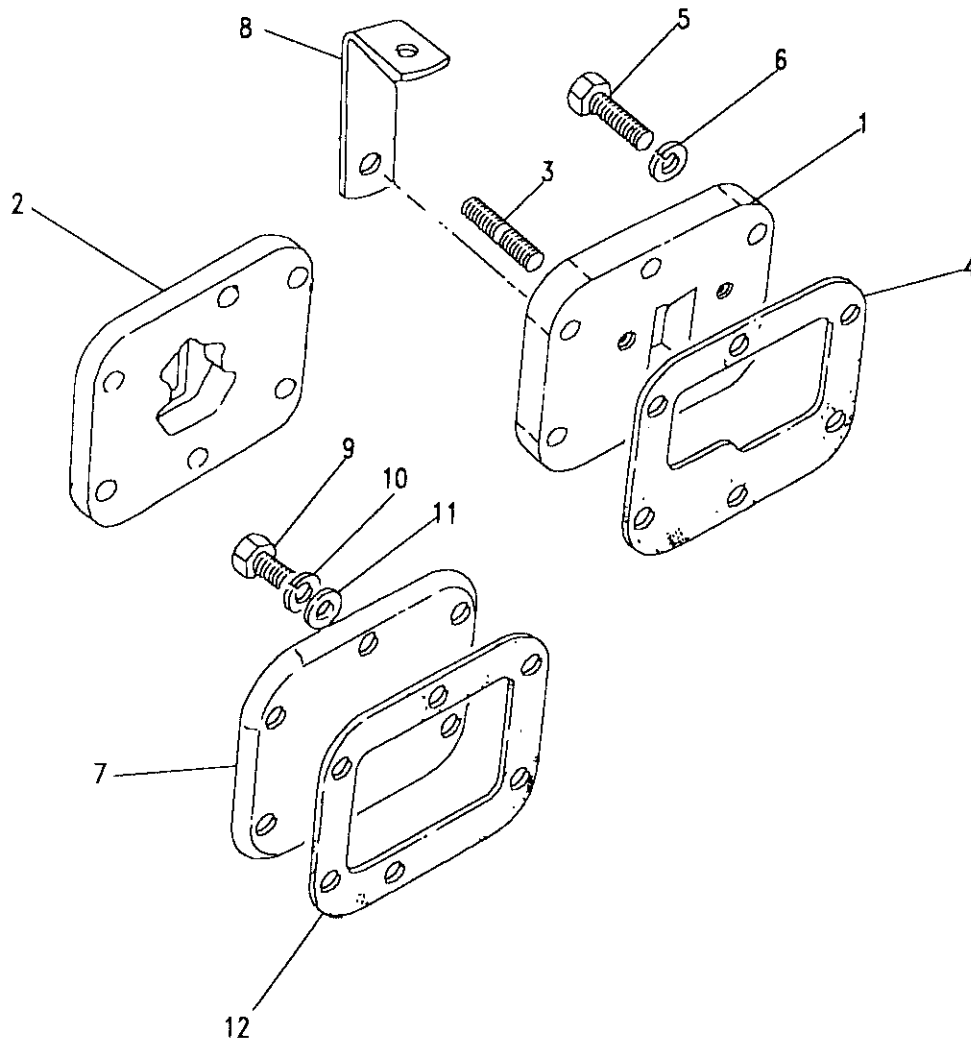
Note(1) This block used from 19J27515C page 124



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Page AFBHBC1A

ENGINE - SIDE COVER - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ERC9073	Plate cover	1	Upto19J14097C
2 ETC7929	Plate cover	1	From19J14098C
3 TE108041L	Stud	2	
4 ERR1475	Washer joint	1	
5 SH108251L	Screw-cover to block	6	
6 WL108001L	Washer	6	
7 541010	Cover side	1	
8 ERC9480	Bracket	1	
9 FS108207L	Screw	3	
10 SH108251L	Screw	3	
11 WA108051L	Washer plain	3	
12 WL108001L	Washer spring	6	
ERR3605	Gasket side cover engine	1	



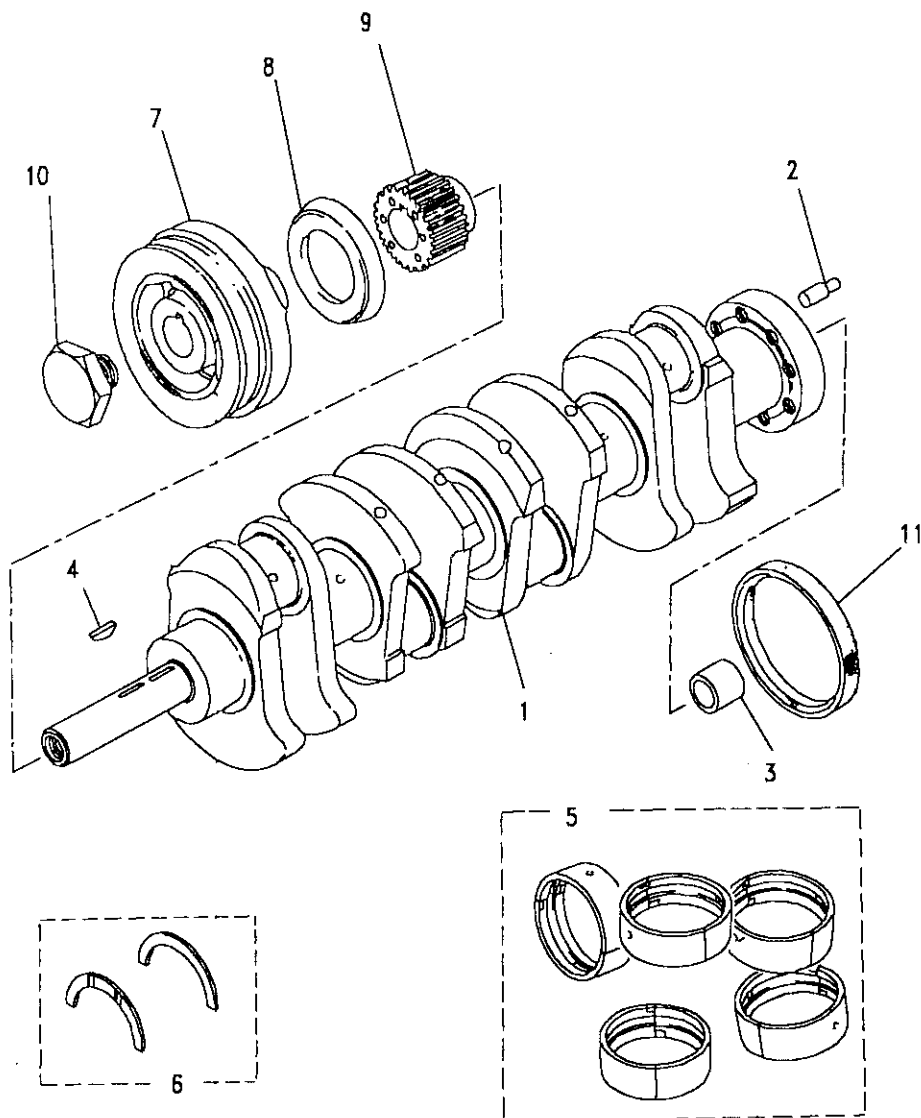
Model DEFENDER 110 1987 onwards

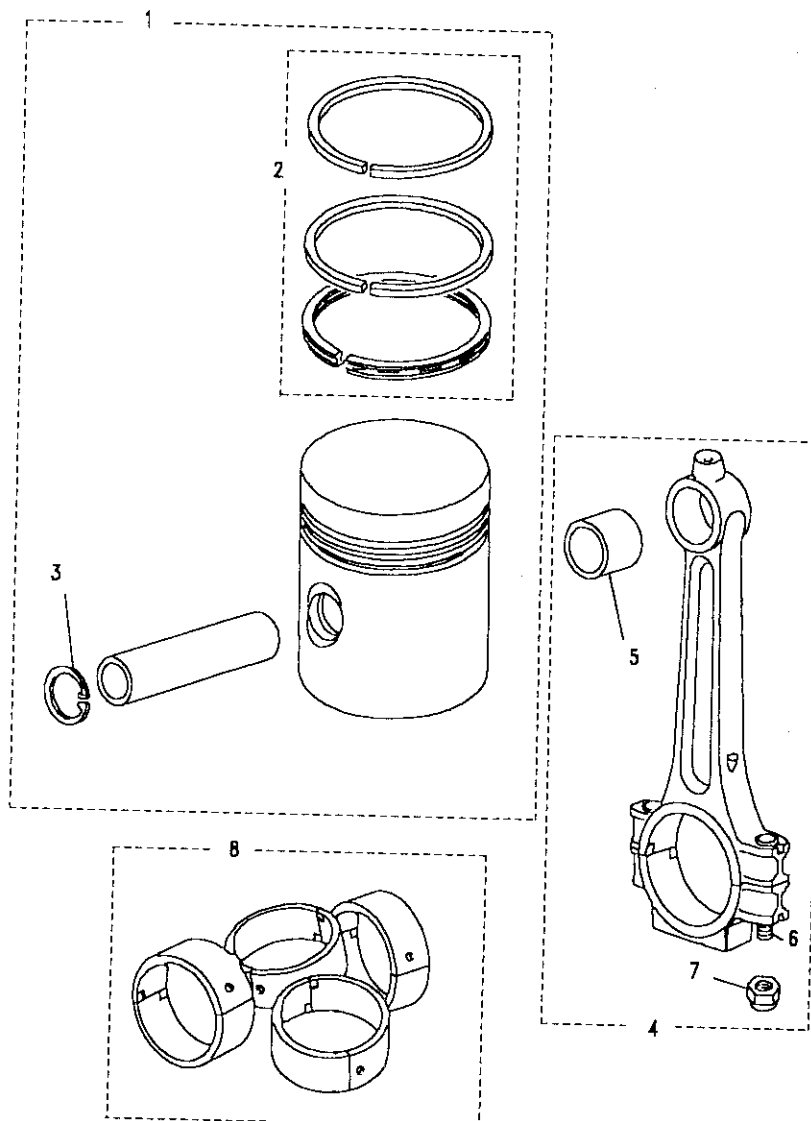
Page AFBHCA1A

ENGINE - CRANKSHAFT - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC8829	Crankshaft	1	UptoAUG1989
ERR1181	Crankshaft	1	FromAUG1989
2 ERR1630	Dowel crankshaft	1	
3 8566L	Bush crankshaft	1	
4 235770	Key	2	
5 RTC4783	Bearing set main	1	
RTC478310	Bearing set main-010"	1	
6 RTC2825	Washer thrust standard	A/R	
538131	Washer thrust 0025"	A/R	
538132	Washer thrust 0050"	A/R	
538134	Washer thrust 010"	A/R	
7 ETC4077	Damper & pulley assy	1	BASIC
ETC4105	Damper vibration	1	Note(1)
ERC6860	Pulley air con	1	
ERC6859	Pulley air con/PAS	1	
ERC6861	Pulley P.A.S.	1	
SH108251L	Screw	4	
WL108001L	Washer spring	4	
8 ETC4390	Flinger TV damper	1	
9 ERC9765	Pulley crankshaft	1	
10 ETC7934	Bolt crankshaft	1	
ERR605	Bolt crankshaft	1	)FromAUG1989
ERR705	Washer thrust crankshaft	1	
11 ERR2532	Seal oil crankshaft rear	1	

Note(1) Use with appropriate pulley when AIR CON or P.A.S.is fitted





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Page AFBHCC1A

ENGINE - PISTONS - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC8676	Piston assy standard	4	
RTC599320	Piston assy 0.020" o/s	4	
2 RTC6174S	Kit piston rings std	4	
RTC617420	Kit piston rings 0.020"	4	
3 266945	Circlip	8	
4 ERR593	Con rod assembly	4	
5 247583	Bush-gudgeon pin	4	
6 ETC7357	Bolt-conn rod	8	
7 ETC8191	Nut conn rod	8	
Con Rod Bearing: Engine Set			
8 RTC2993	Bearing set big end	1	
RTC299310	Bearing set big end	1	0.010 o/s



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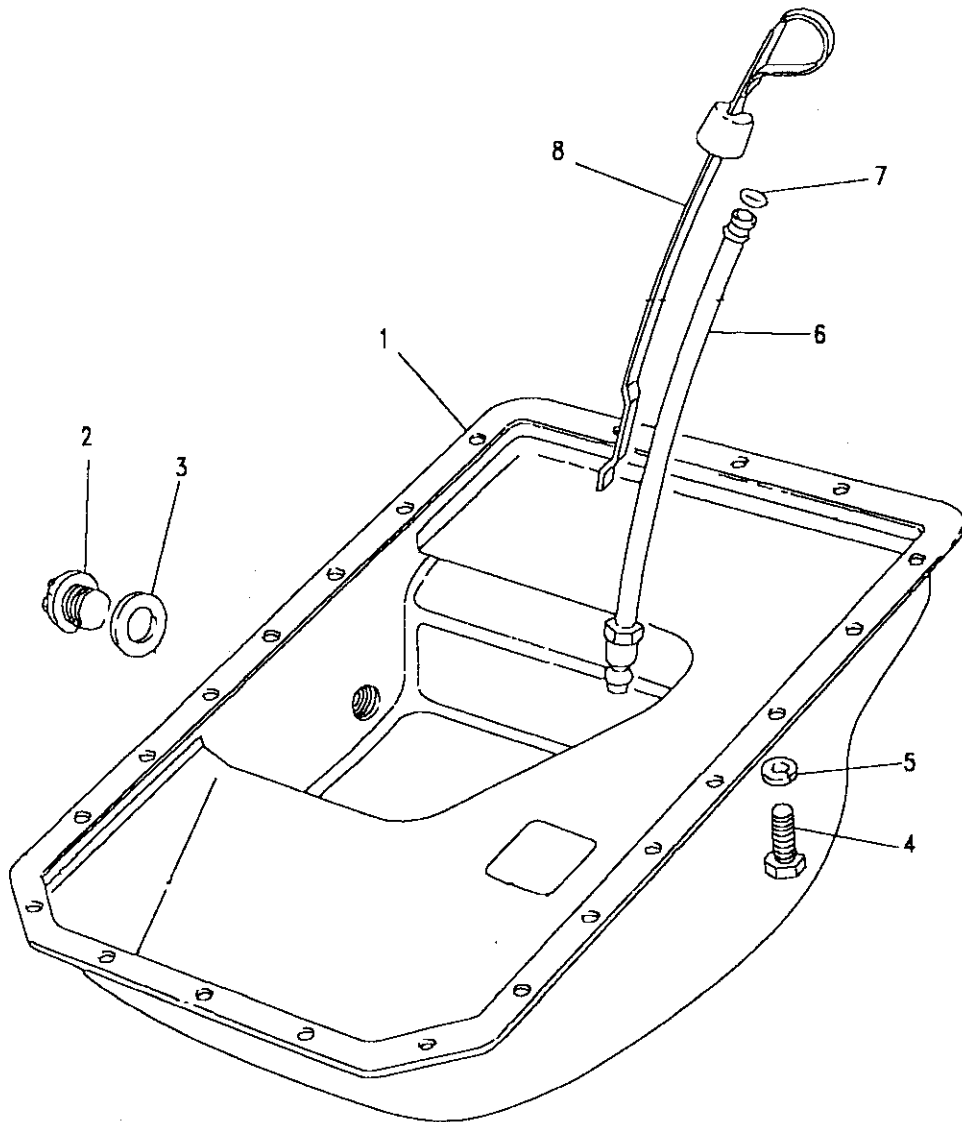
130

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Page AFBHDA1A

ENGINE - SUMP - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ERR4716	Sump-crankcase	1	
2 599552	Plug drain	1	
3 FRC4808	Washer joint-Plug	1	
4 SH108161L	Screw	22	
5 WL108001L	Washer spring	22	
6 ERC8980	Tube-dipstick	1	
7 532387	Ring sealing-tube	1	
8 ETC7867	Dipstick	1	

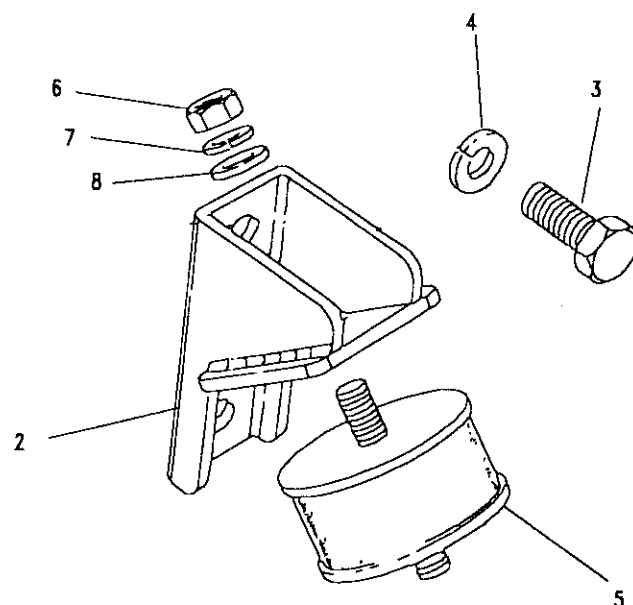
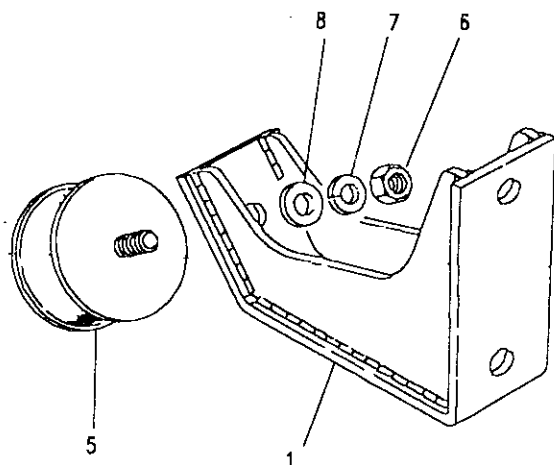


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Page AFBHDC1A

ENGINE - MOUNTINGS - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1	NRC5434	1	Mounting foot-RH
2	NRC9557	1	Mounting foot-LH
3	SH112251L	4	Screw-foot to block
4	WL112001L	4	Washer-foot to block
5	NRC9560	4	Rubber engine mounting
	ANR1808	2	Note(1)
6	NH110041L	1	Mounting rubber
7	WC110061L	4	Nut-rubber to foot
8	WL110001L	2	Washer-rubber to foot
		4	Note(2)

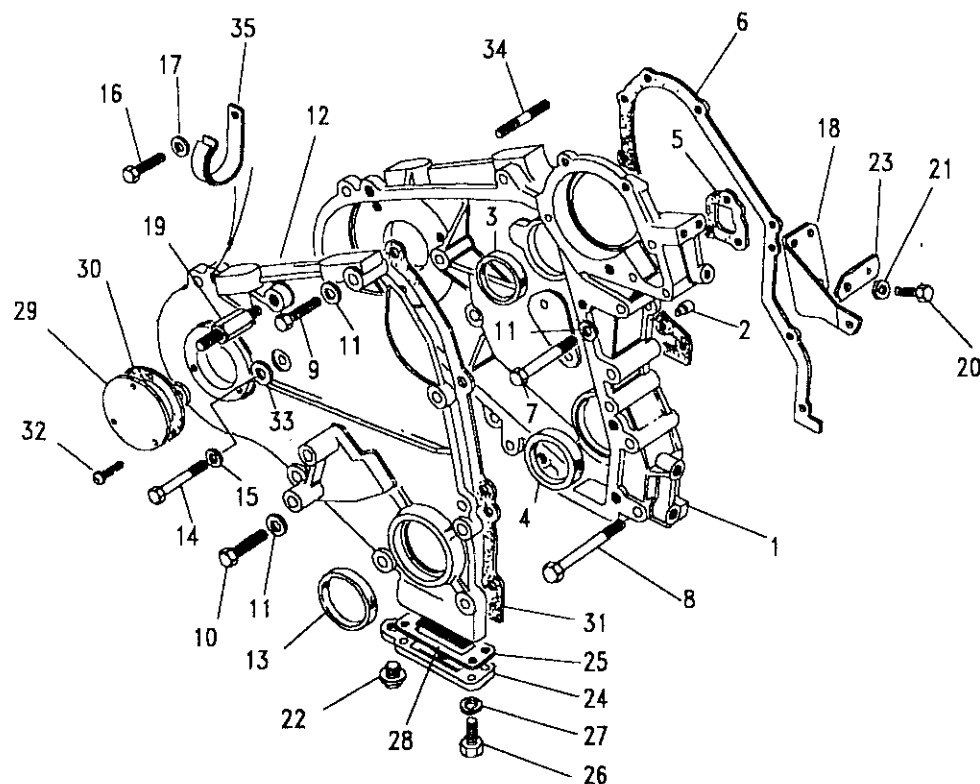
Note(1) Up to chassis JA920702
 Note(2) From chassis JA920703



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ENGINE - FRONT COVER - 2.5 DIESEL TURBO

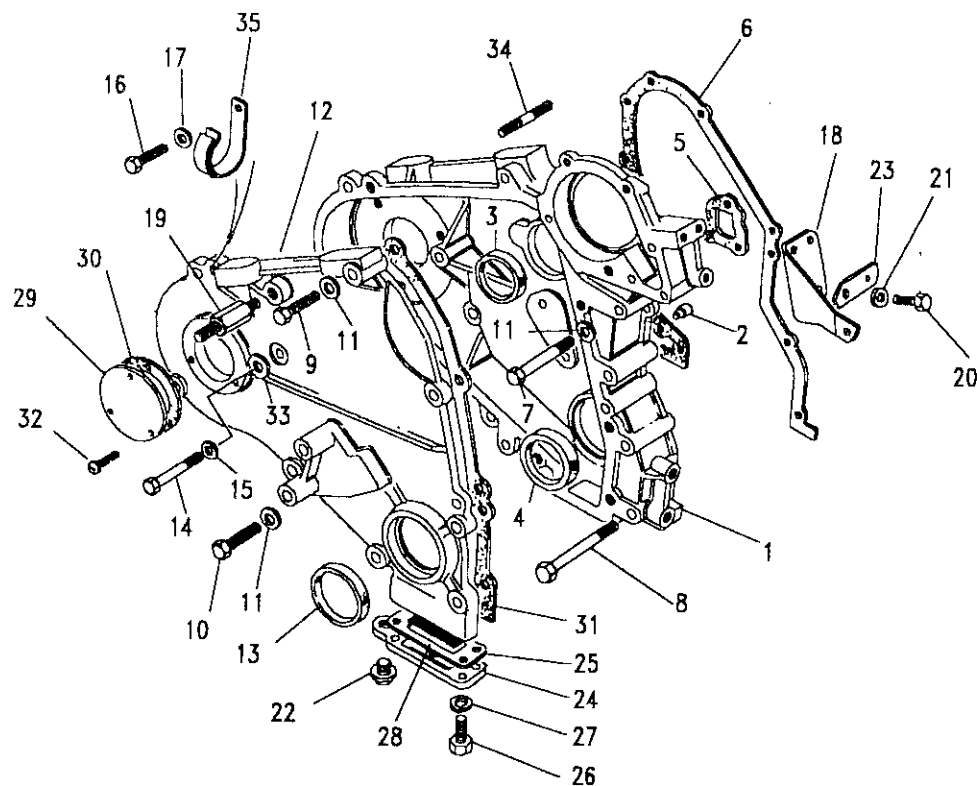


III. Part No.	Description	Qty	Remarks
1 ETC4421	Cover front	1	NON AIR CON
ETC5672	Cover front	1	AIR CON
2 6395L	Dowel-front cover	1	
3 ETC5064	Seal oil-camshaft	1	
4 ETC5065	Seal oil-crankshaft	1	
5 ERR1607	Gasket water pump	1	
6 538039	Gasket	1	
7 BH108111L	Bolt-cover to block	1	
8 FB108121L	Bolt-cover to block	4	
9 BH108201L	Screw-cover to block	1	
10 BH108251L	Screw-cover to block	2	
11 WA108051L	Washer-cover to block	8	
12 ETC4422	Plate front cover	1	NON AIR CON
ETC5675	Plate front cover	1	AIR CON
13 ETC4154	Seal-cover plate	1	
14 BH108131L	Bolt-plate to block	1	
15 WA108051L	Washer-plate to block	1	
16 SH108121L	Screw	1	
SH108251L	Screw	7	
17 WA108051L	Washer	8	
18 ERC6479	Bracket-cowl mounting	1	
19 ETC4996	Bolt-bracket to cover	1	
20 FS108201L	Screw	3	
21 WL108001L	Washer	3	
22 ERC7295	Plug	1	
23 ERC9404	Bracket-harness clip	1	

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ENGINE - FRONT COVER - 2.5 DIESEL TURBO



III. Part No.	Description	Qty	Remarks
24 ETC4058	Drain plate	1	
25 ERR3615	Gasket front cover	1	
26 FS106201L	Screw-plate to cover	4	
27 WA106041L	Washer-plate to cover	4	
28 ETC4063	Strainer	1	
29 ERC9199	Plate cover	1	
30 ERR3614	Gasket cover plate	1	
31 ERR3616	Gasket front cover	1	
32 SE106121L	Screw	3	
33 ERR3604	Gasket front cover	1	
34 ETC4873	Stud-DPS to front cover	3	
35 ETC4630	Bracket mounting	1	



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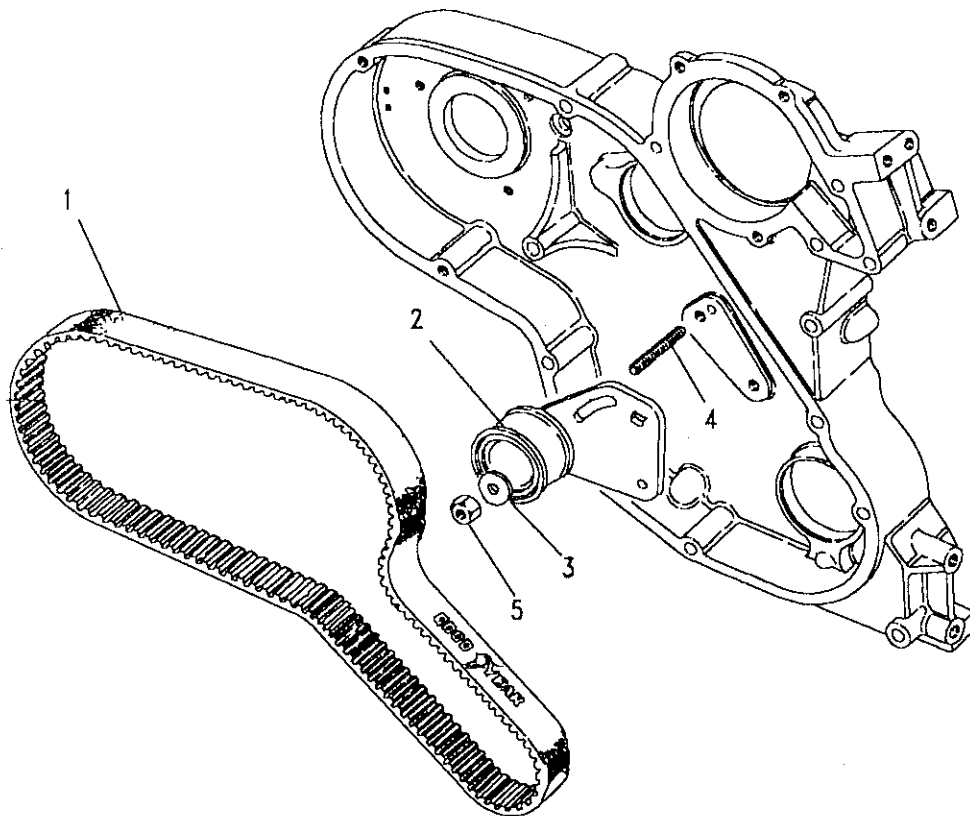
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ENGINE - TIMING BELT - 2.5 DIESEL TURBO

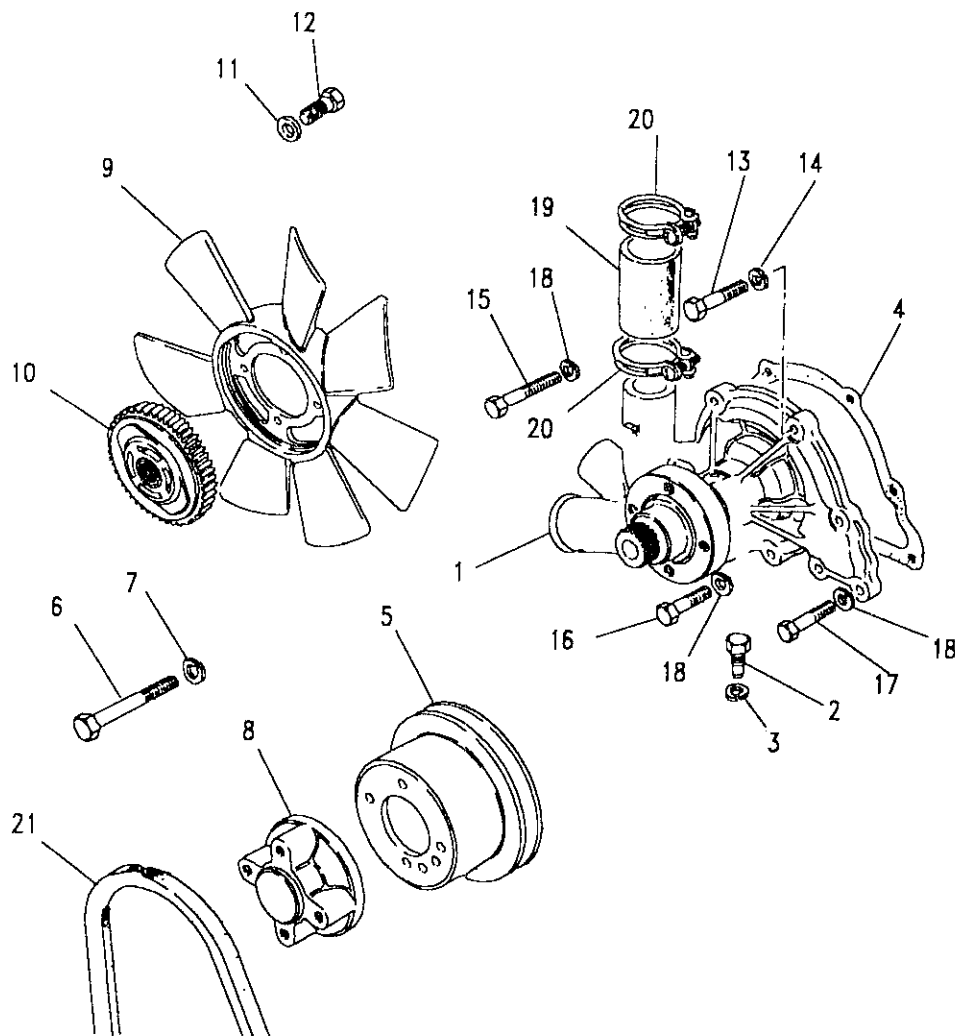
III. Part No.	Description	Qty	Remarks
1 ETC7333	Belt timing	1	
2 ERC8861	Tensioner assembly	1	
3 4594L	Washer	2	
4 TE108061L	Stud	2	
5 NY108041L	Nut	2	



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Page AFBHEE1A

ENGINE - WATER PUMP - 2.5 DIESEL TURBO NON AIR CON

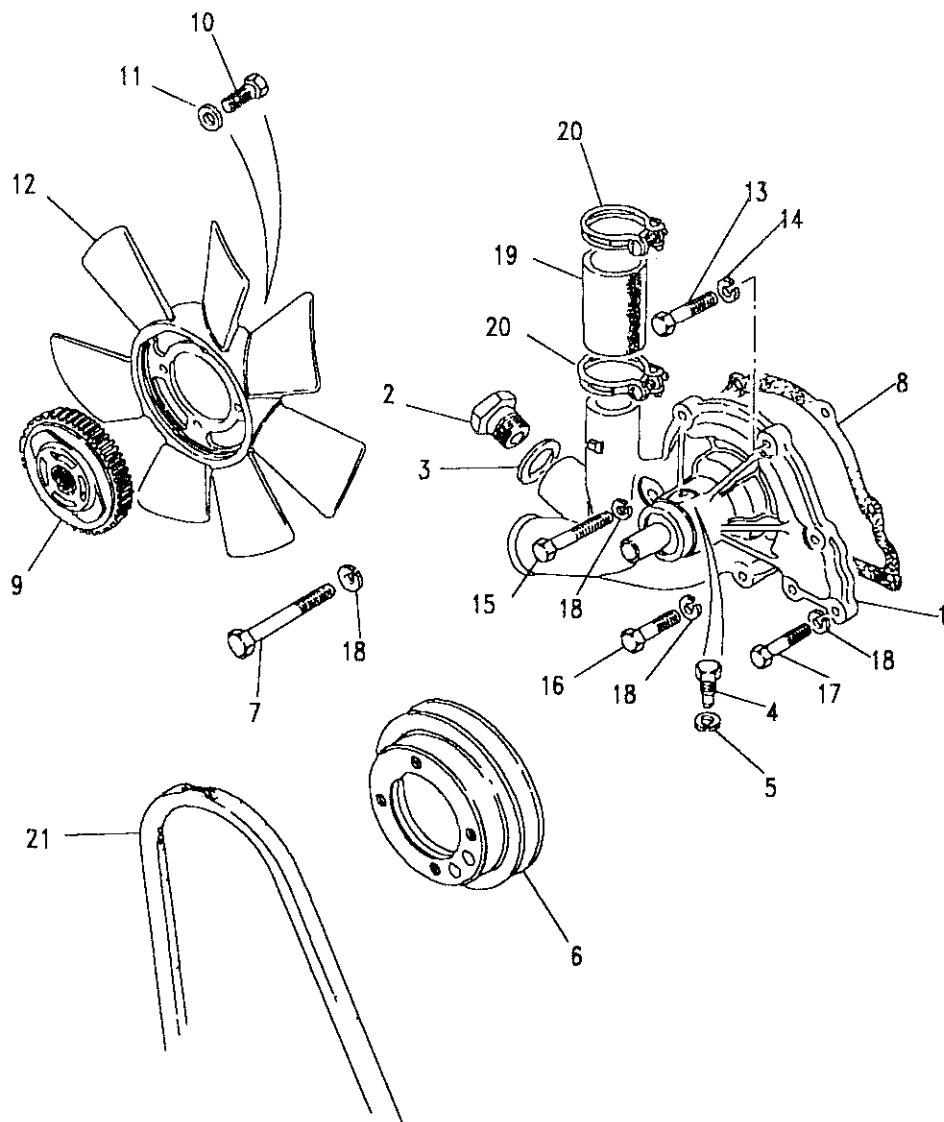
Ill. Part No.	Description	Qty	Remarks
1	STC635	1	Pump water assembly
2	ERC5600	1	Bolt
3	WL106001L	1	Washer spring
4	ERC5655	1	Gasket
5	ETC4785	1	Pulley
6	SH108161L	1	Screw
7	WL108001L	4	Washer spring
8	ERC7489	4	Spacer-pump to fan
9	ERR3380	1	Fan blade
10	ETC7238	1	Viscous unit
11	4589L	1	Washer
12	ERC5709	4	Bolt
9	ETC6852	4	Fan-11 blade
10	ETC6841	1	Viscous unit
11	587405	1	Washer
12	SH505051L	4	Bolt
13	FB108061	4	Bolt
14	WL108001L	3	Washer spring
15	BH108151L	3	Bolt
16	BH108161L	1	Bolt
17	BH108171L	2	Bolt
18	WL108001L	1	Washer spring
19	ERC5654	4	Hose-by pass outlet
20	CN100408L	1	Clip-hose
21	ETC7939	2	Belt fan
		1	



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ENGINE - WATER PUMP - 2.5 DIESEL TURBO AIR CON

III. Part No.	Description	Qty	Remarks
1	STC635	1	Pump water assembly
2	ERC7312	1	Plug
3	232046	1	washer joint
4	ERC5600	1	Bolt special
5	WL106001L	1	Washer spring
6	ETC4457	1	Pulley
7	BH106051L	4	Bolt-pulley to hub
8	ERC5655	1	Gasket
9	ETC7238	1	Viscous unit
	ETC8586	1	Viscous unit-TAXI
10	ERC5709	4	Bolt
11	4589L	4	Washer
12	ERR3380	1	Fan-7 blade
9	ETC6841	1	Viscous unit
10	SH505051L	4	Bolt
11	587405	4	Washer
12	ETC6852	1	Fan-11 blade
13	FB108061	3	Bolt
14	WL108001L	3	Washer spring
15	BH108151L	1	Bolt
16	BH108161L	2	Bolt
17	BH108171L	1	Bolt
18	WL108001L	4	Washer spring
19	ERC5654	1	Hose-by pass water outlet
20	CN100408L	2	Clip-hose
21	ETC7939	1	Belt fan

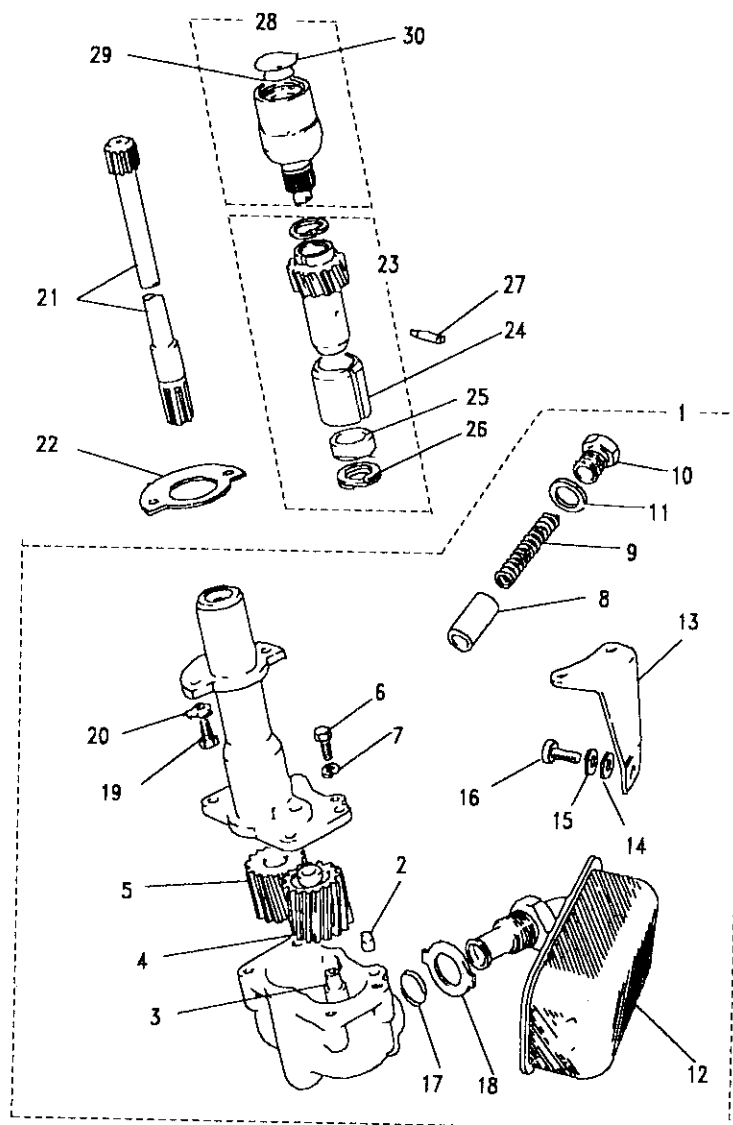


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ENGINE - OIL PUMP - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ERR1117	Pump oil assembly	1	
2 236257	Dowel	2	
3 ERR1063	Spindle-idler wheel	1	
4 ERR1088	Idler wheel	1	
5 ERC9706	Drive wheel	1	
6 FS108201L	Screw-cover to block	4	
7 WL108001L	Washer spring	4	
8 ETC4880	Plunger-oil relief	1	
9 564456	Spring-oil relief	1	
10 564455	Plug-oil relief	1	
11 232044	Washer joint	1	
12 ERC7530	Filter	1	
13 ERC7940	Bracket support-filter	1	
14 WA108051L	Washer	1	
15 WL108001L	Washer spring	1	
16 FS108201L	Screw flanged	1	



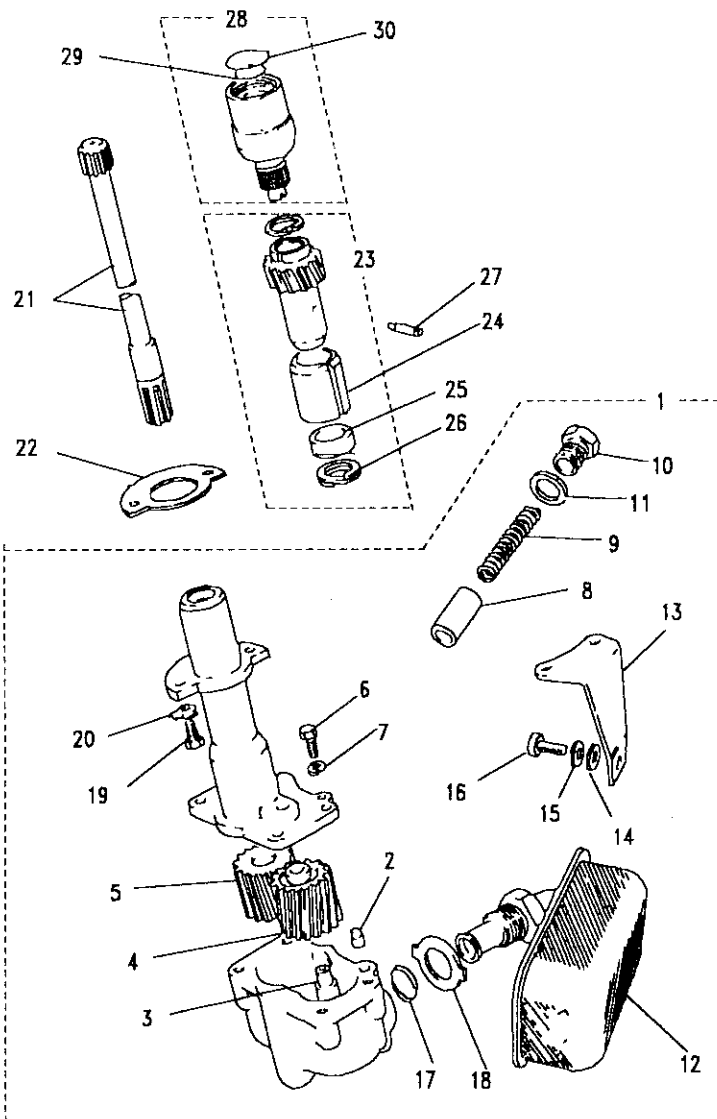
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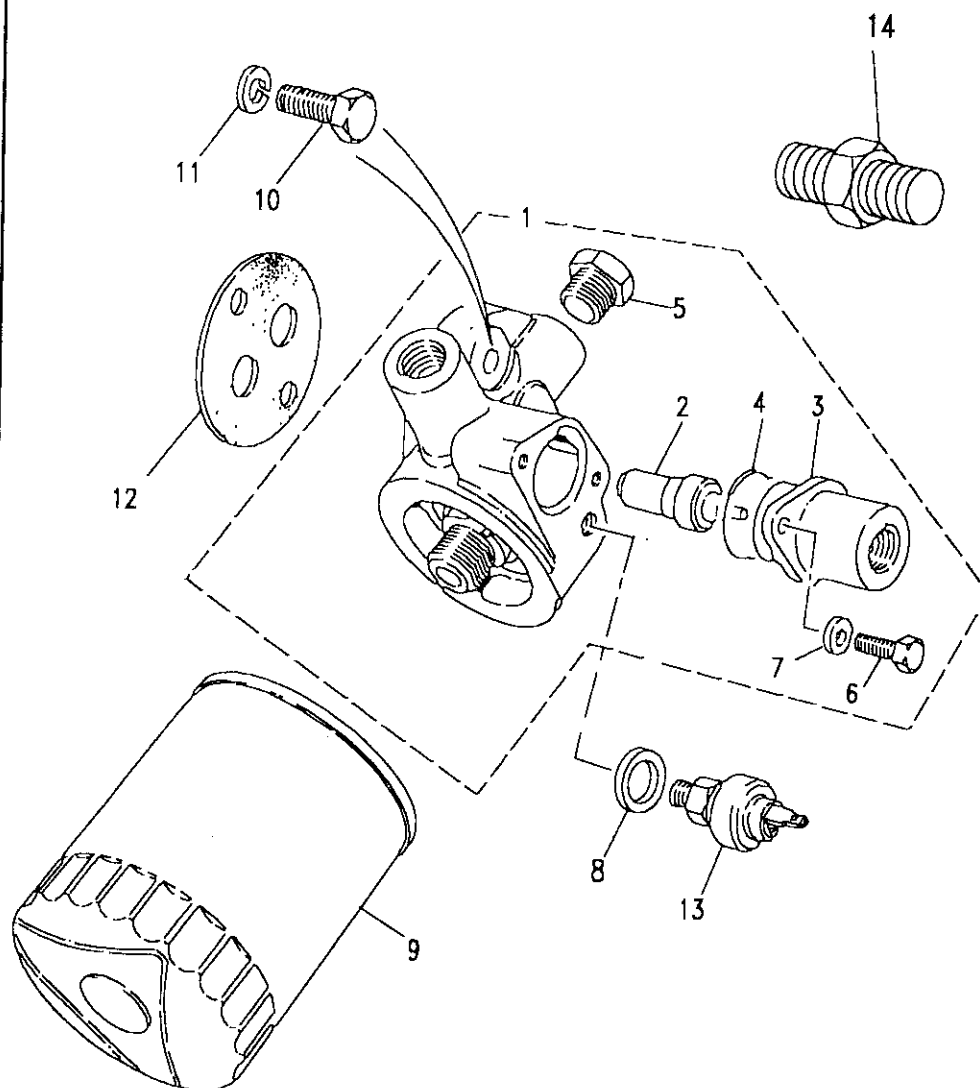
Page AFBHFA1A

ENGINE - OIL PUMP - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
17 244488	'O'ring	1	
18 244487	Washer lock	1	
19 SH108251L	Screw	2	
20 247665	Washer lock	2	
21 ERR850	Shaft	1	
22 ERR3606	Gasket oil pump	1	
23 ETC6139	Gear-bush-assembly	1	Note(1)
24 522745	Bush	1	
25 ETC6137	Washer thrust	1	
26 ETC6138	Ring locking	1	
27 ETC6142	Screw-locating shaft	1	
28 ETC4706	Coupling	1	
29 RTC6167	O ring-inner	1	
30 RTC6168	O ring-outer	1	

Note(1) Remove plug before assembling DRIVE SHAFT & COUPLING





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Page AFBHFA2A

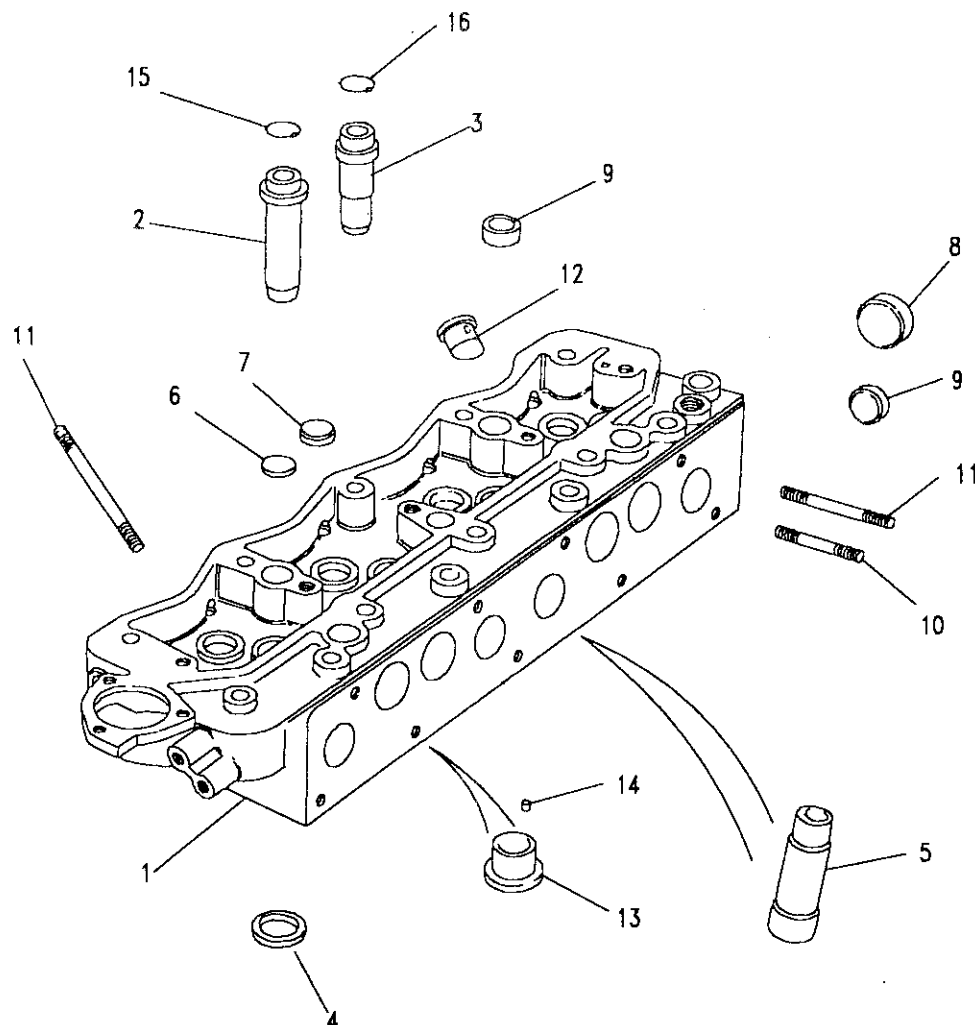
ENGINE - OIL FILTER - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ERR1347	Adaptor oil assembly	1	
2 ERC5923	Thermostat bulb	1	
3 ETC4022	Adaptor	1	
4 ERC5913	'O' ring	1	
5 ETC4021	Plug	1	
PRC4372	Transmitter	1	OPTIONAL
6 SH106141L	Screw	2	
7 WA106041L	Washer	2	
8 ERR3340	Filter oil	1	
9 SH110301L	Screw	2	
10 WL110001L	Washer spring	2	
11 ERR3607	Gasket oil filter housing	1	
12 PRC6387	Switch-oil pressure	1	
13 232039	Washer joint-switch	1	
14 NRC8618	Coupling	1	
PRC4043	Transmitter	1	} OPTIONAL
ETC4033	Adaptor-oil pressure	1	
ETC4034	Banjo-oil pressure switch	1	

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ENGINE - CYLINDER HEAD - 2.5 DIESEL TURBO



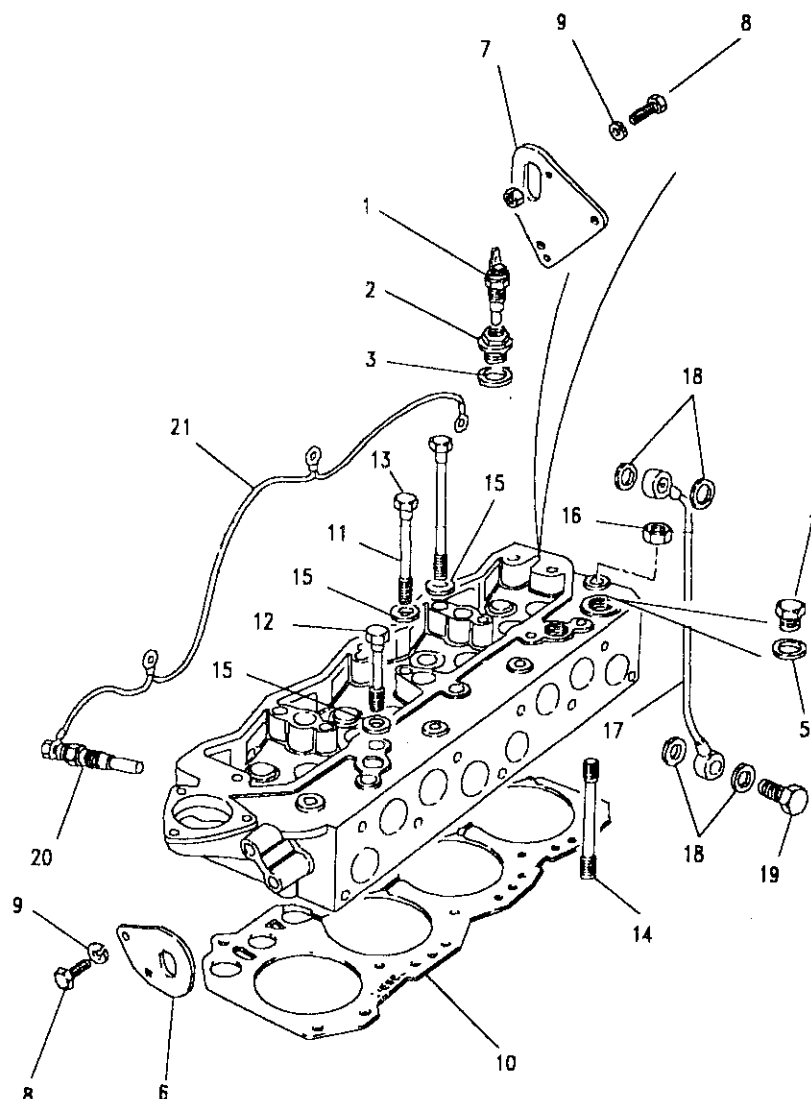
III. Part No.	Description	Qty	Remarks
1 ETC4649	Cylinder head assembly	1	Upto 19J25183C
STC803	Cylinder head assembly	1	From 19J25184C
2 568688	Guide valve-inlet	4	
ERR2861	Guide valve-inlet	4	Note(1)
3 568689	Guide valve-exhaust	4	
ERR2860	Guide valve-exhaust	4	Note(1)
4 ERC9631	Insert-valve seat-exh	4	
ERR3081	Insert-valve seat-exh	4	Note(1)
ETC4643	Insert-valve seat-inlet	4	
ERR3082	Insert-valve seat-inlet	4	Note(1)
5 ERC8663	Tube-push rod	8	
6 250830	Welch plug	2	
7 525497	Cup plug	9	
8 524765	Cup plug	1	
9 602289	Cup plug	2	
10 ETC7190	Stud-manifold	1	
11 TE108071L	Stud	8	
12 ERC9501	Shroud injector	4	
13 ERR1223	Hot plug	4	
14 PA105101L	Peg locating-hot plug	4	
15 ERR1510	Seal-inlet valve	4	
16 ETC4751	Seal-exhaust valve	4	

Note(1) Fitted from November 1992

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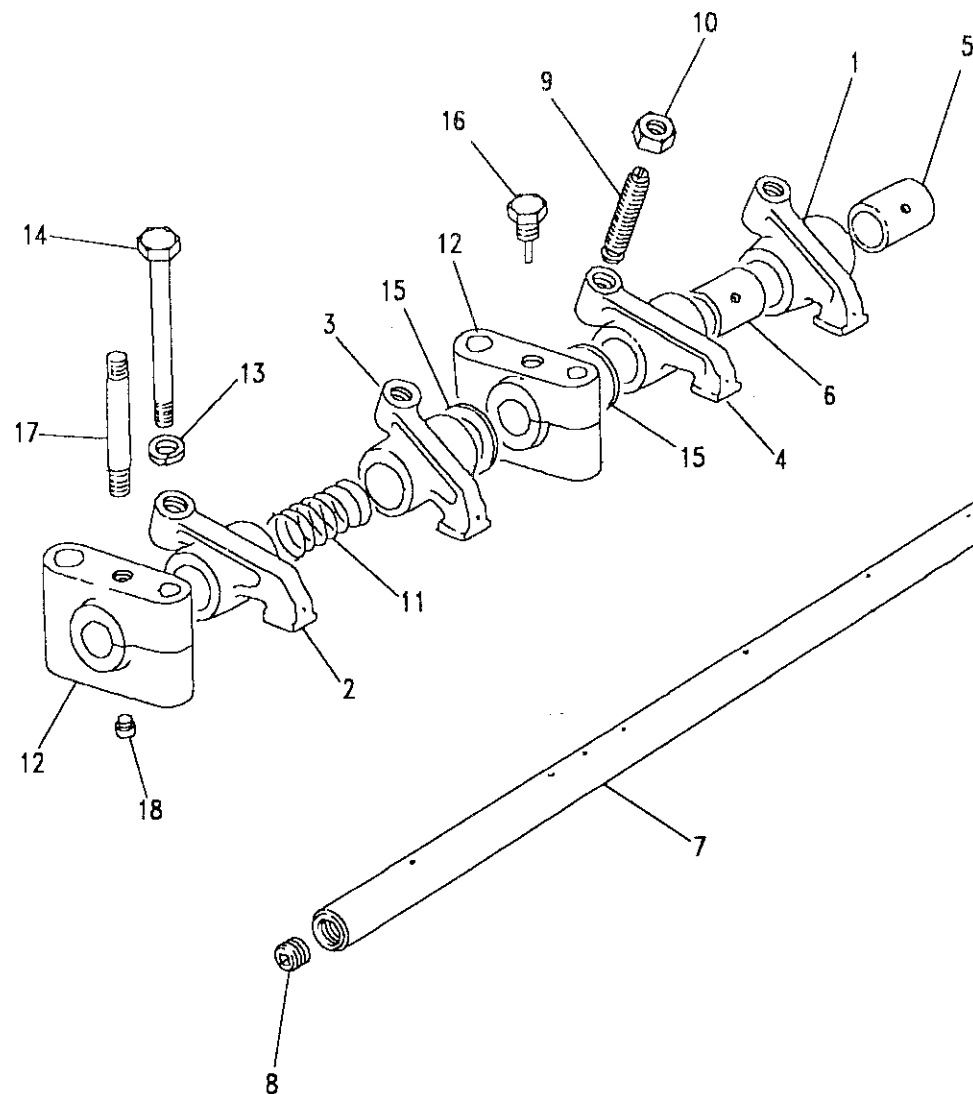
ENGINE - CYLINDER HEAD - 2.5 DIESEL TURBO



III. Part No.	Description	Qty	Remarks
1	PRC2505	1	Upto 19J25183C
	PRC6663	1	From 19J25184C
2	ERC9432	1	Upto 19J25183C
3	10802070	1	
4	ERC9448	1	
	RTC6851	1	
5	AFU1890L	1	From 19J25184C
	243960	1	
6	ERC2254	1	From 19J25184C
7	ETC5816	1	
8	FS108207L	1	
9	WL108001L	4	
10	ERR3618	4	
11	247051	1	
12	247683	9	
13	247723	2	
14	90518466	5	
15	ERC6821	2	
16	NH608061L	18	
17	275679	2	
18	ETC6510	1	
19	ETC4498	4	
20	ERC8450	2	
21	PRC6295	4	
		1	Cable assembly-glow plugs

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ENGINE - ROCKER SHAFT - 2.5 DIESEL TURBO



III. Part No.	Description	Qty	Remarks
1 ERC9060	Rocker arm exhaust RH	2	
2 ERC9059	Rocker arm exhaust LH	2	
3 247738	Bush-exhaust rockers	4	
4 ERC9056	Rocker arm inlet RH	2	
5 ERC9055	Rocker arm inlet LH	2	
6 247737	Bush-inlet rockers	4	
7 ERC6341	Shaft	1	
8 ERC6337	Plug-shaft	2	
9 ERC9054	Screw-tappet adjuster	8	
10 NT108041L	Lock Nut-M8	8	
11 247040	Spring	4	
12 ERC9137	Bracket-rocker shaft	5	
13 WL108001L	Washer spring	5	
14 FB108111L	Bolt flanged	5	
15 247153	Washer-rocker shaft	8	
16 ETC4460	Screw-shaft location	1	
17 TD108091L	Stud-M8-rocker cover	3	
18 277956	Dowel-rocker	3	

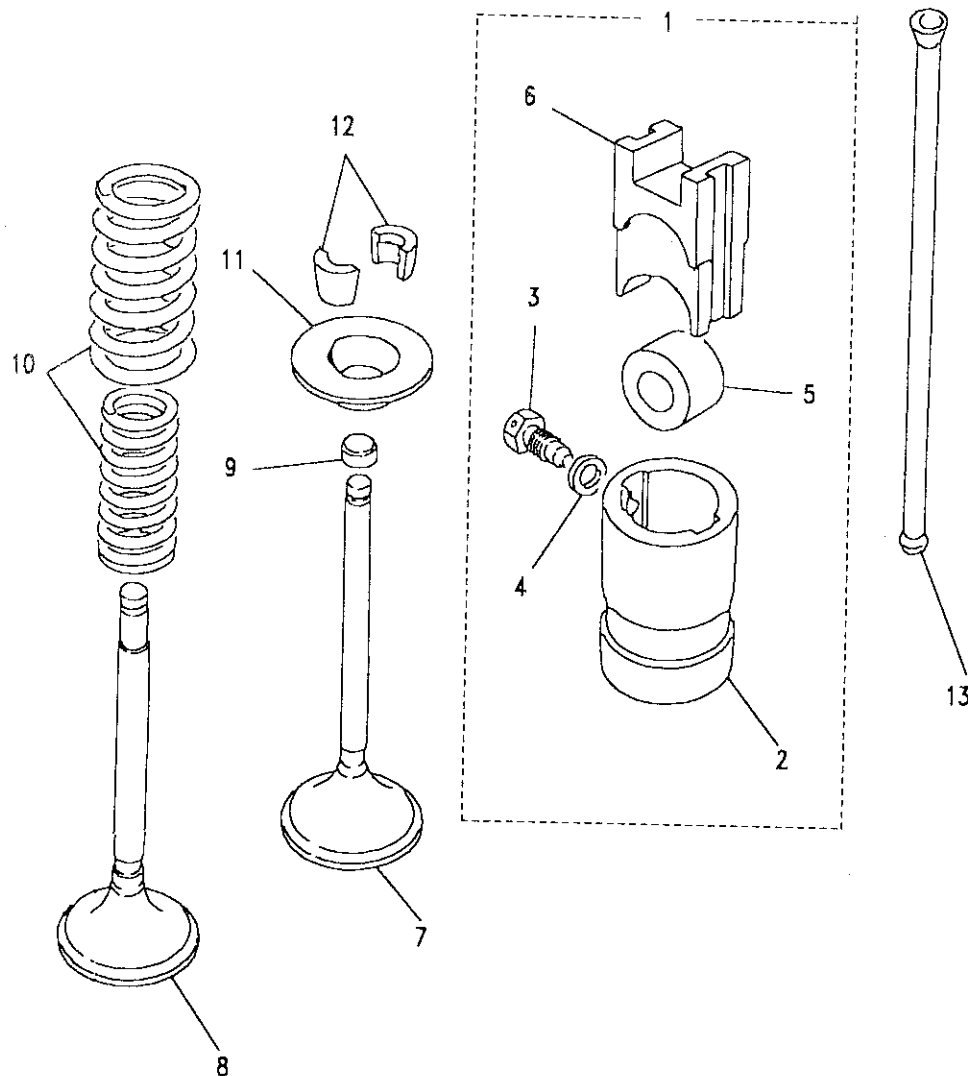
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Page AFBHGE1A

ENGINE - VALVES & TAPPETS - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 507829	Tappet assembly	8	
2 502473	Guide tappet	8	
3 ETC4246	Set bolt	8	
4 273069	Washer-tappet guide	8	
5 ERR561	Roller follower	8	
6 ERR607	Tappet slide	8	
7 ETC5739	Valve inlet	4	
8 ETC5740	Valve exhaust	4	
9 ERR4175	Cap-valve stem	8	Note(1)
10 ERR4640	Valve spring	8	
11 ETC4068	Cup-valve-spring	8	
12 ETC4069	Cotter split	16	
13 546799	Push rod	8	

Note(1)

ERR1158 can be fitted if valve stem or rockers are worn

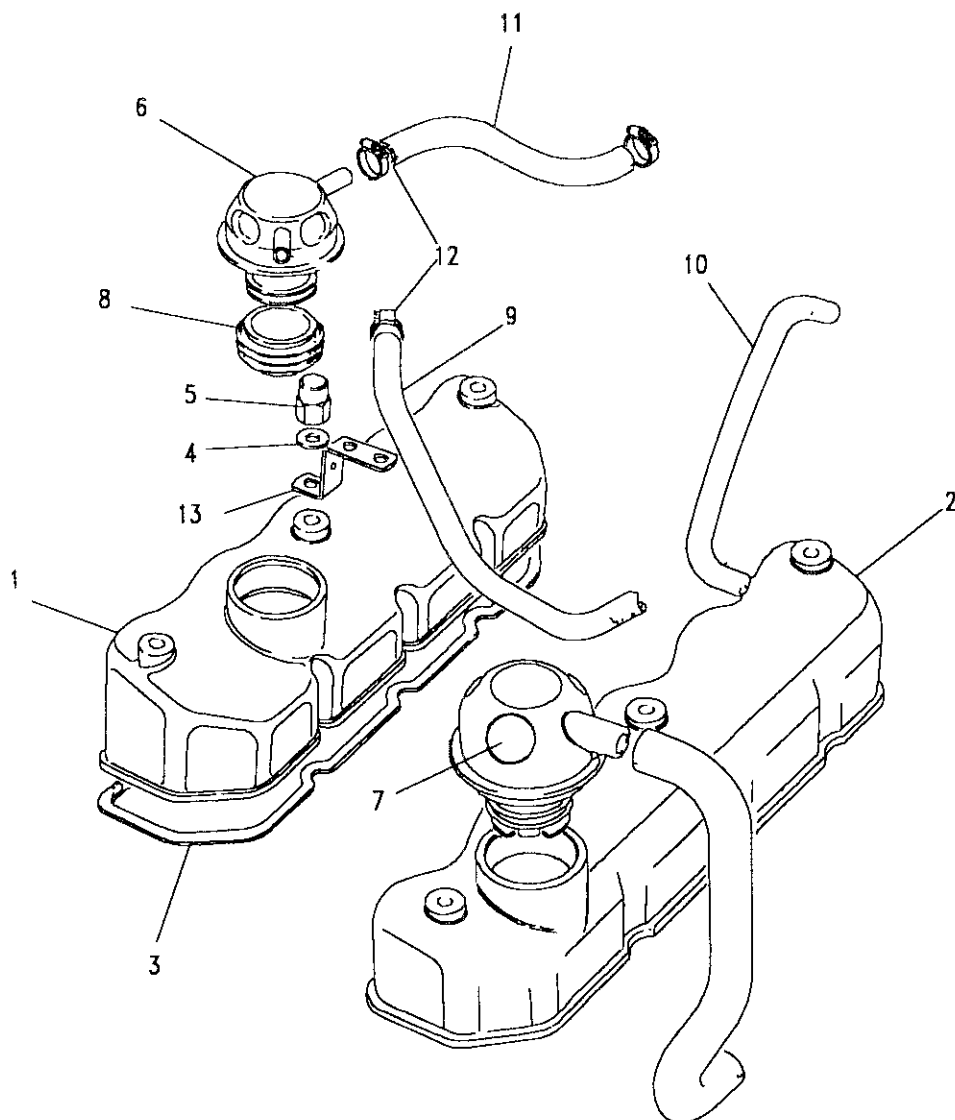


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ENGINE - ROCKER COVER - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC6924	Rocker cover assembly	1	Upto 19J15451C
2 ETC8600	Rocker cover assembly	1	From 19J15452C
3 ETC6438	Gasket-cover to head	1	
4 273069	Washer joint	3	
5 ERC9220	Nut dome	3	
6 ETC7774	Filter breather	1	Upto 19J15451C
7 ERR737	Filter breather	1	From 19J15452C
8 ERC8049	'O'ring	1	Upto 19J15451C
ERR736	'O'ring	1	From 19J15452C
9 ETC7187	Hose-block to breather	1	Upto 19J15451C
10 ETC8636	Hose-block to cover	1	From 19J15452C
11 ETC7059	Hose-breather to A/C	1	
RRC5728	Hose-breather to A/C	1	Note(1)
12 CJ600224	Hose-clip	2	
13 ETC5588	Bracket-compressor pipe	1	

Note(1) For vehicles with raised air intake





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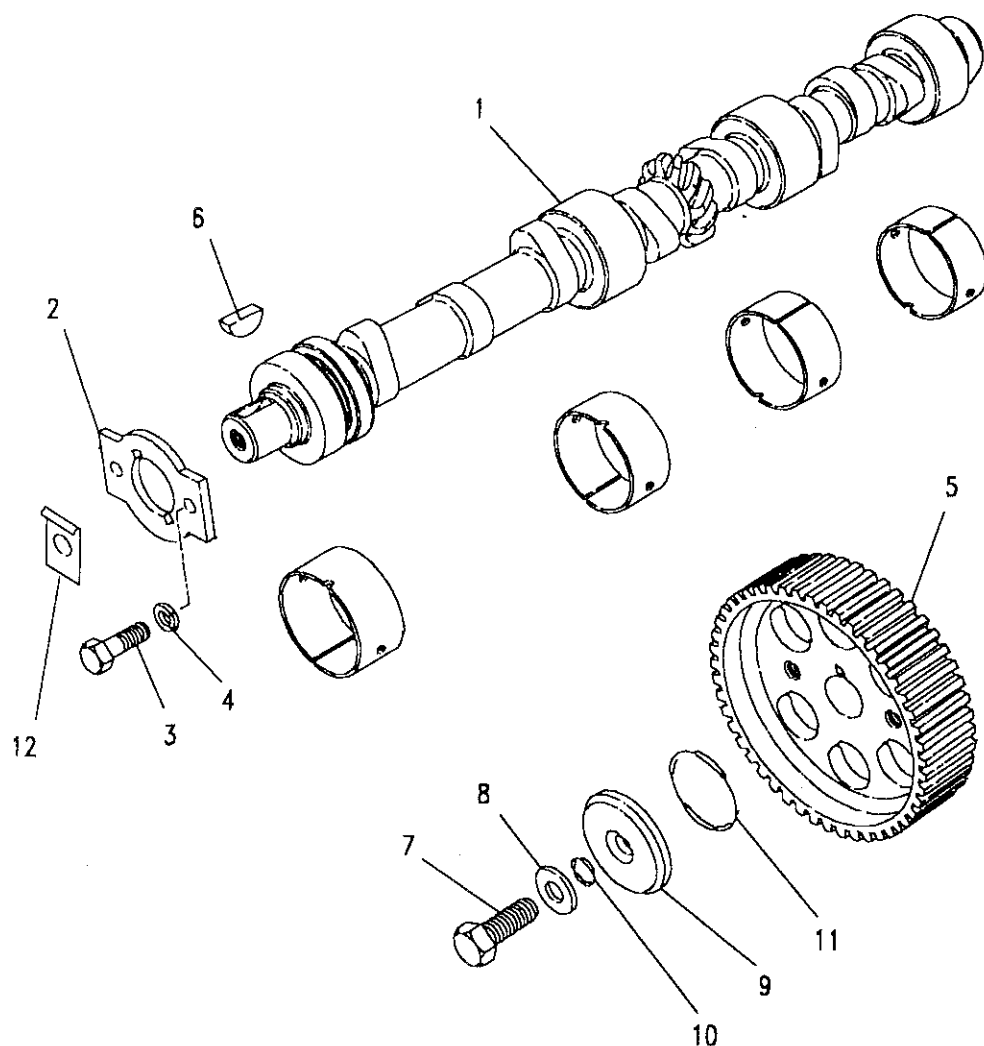
ENGINE

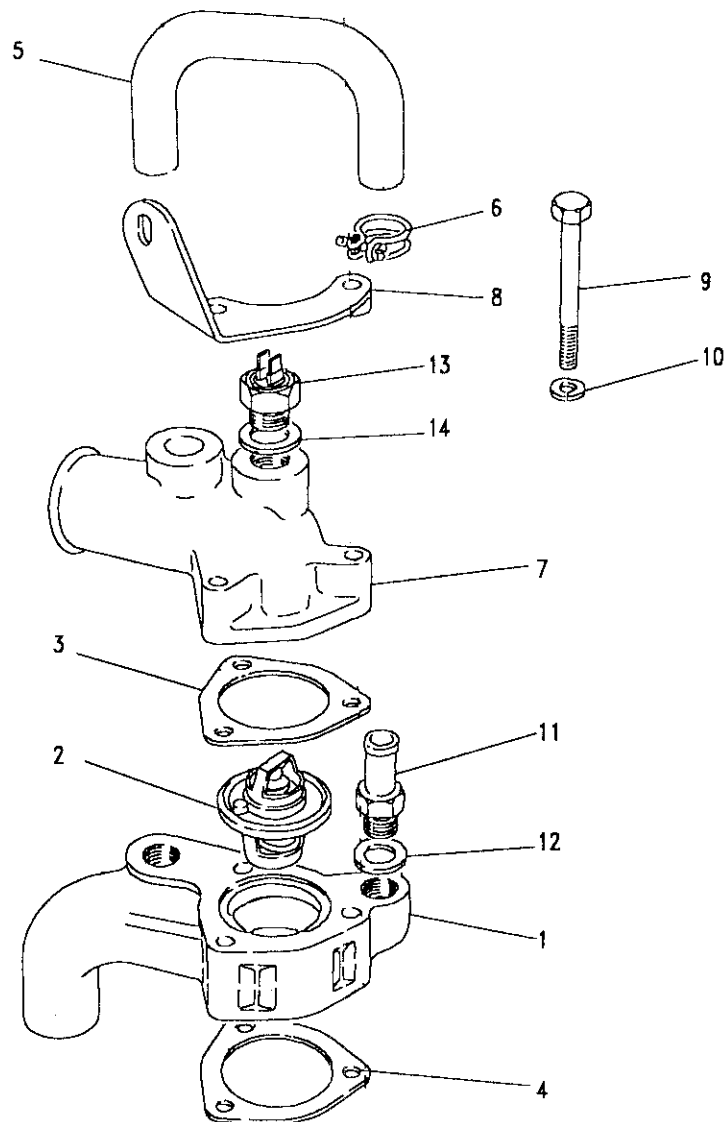
Model DEFENDER 110 1987 onwards

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ENGINE - CAMSHAFT - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC7128	Camshaft	1	
2 ERC1561	Plate thrust-camshaft	1	
3 FS108167	Screw-plate to block	2	
4 WL106001L	Spring Washer	2	
5 ETC4014	Pulley	1	
6 230313	Key woodruff	1	
7 BX110071L	Bolt	1	
8 ETC4670	Washer	1	
9 ERC8847	Plate-retaining	1	
10 ERC8849	'O' ring	1	
11 ETC4076	'O' ring	1	
12 2995	Locker	2	





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ENGINE - THERMOSTAT HOUSING - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ERC8758	Housing thermostat	1	
2 602687	Thermostat 82o	1	
ETC4761	Thermostat 74o	1	OPTIONAL
3 ERR3682	Gasket thermostat housing	1	
4 247874	Gasket-thermo housing	1	
5 ERC7510	Hose-connecting adaptors	1	
6 CN100258L	Clip-hose	2	
7 ETC5967	Outlet water connector	1	NON AIR CON
ETC5958	Outlet water connector	1	AIR CON
8 ETC5965	Bracket-cowl mounting	1	
9 BH106151L	Bolt-cover to head	3	
10 WL106001L	Washer spring	3	
11 624091	Adaptor	2	
12 243959	Washer joint	2	
13 PRC3359	Switch-temperature sensor	1	Note(1)
PRC3505	Switch-temperature sensor	1	Note(2)
14 C45759L	Washer-switches	2	

Note(1) Identified by GREEN paint

Note(2) Identified by RED paint

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III. Part No.

Description

Qty	Remarks
-----	---------

1	ETC6492	Manifold inlet	1	
2	525428	Cup Plug	2	
3	ETC7750	Gasket-manifold to head	1	
4	564308	Clamp-manifold to head	4	
5	574654	Clip-manifold clamp	1	
6	NH108065L	Nut	2	
7	WA108051L	Washer	2	
8	ETC6910	Bolt	9	
9	ETC7917	Screw socket M8x35mm	3	
	ETC7503	Spacer	3	Note(1)
10	ETC7917	Screw socket M8x35mm	2	
11	ETC7395	Bolt support-heat shield	1	
12	WJ108001L	Washer	2	
13	ETC7633	Manifold exhaust	1	
	ETC6970	Stud	2	
	NH108065L	Nut	2	

Note(1) Only used on engines up to 19J15397C





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ENGINE

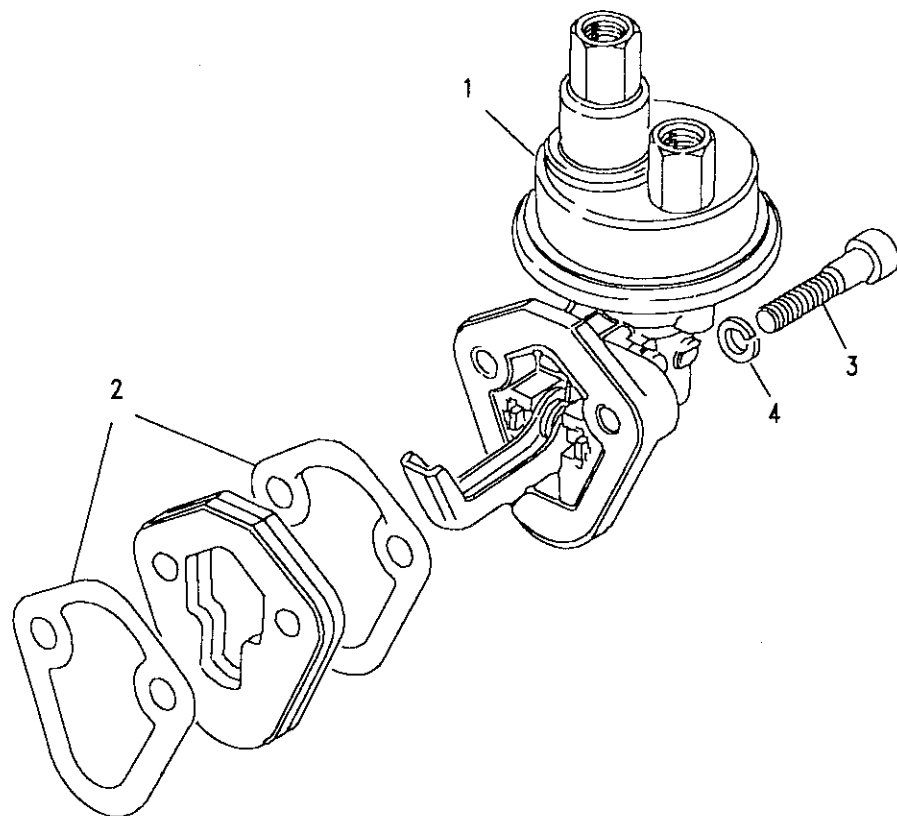
Model DEFENDER 110 1987 onwards

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ENGINE - FUEL PUMP - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC7869	Pump fuel	1	Note(1)
2 ETC7970	Gasket-fuel pump/side cov	2	
ERR2028	Gasket fuel pump	2	From Dec 93
3 SS108301L	Screw socket	2	
4 WA108051L	Washer	2	

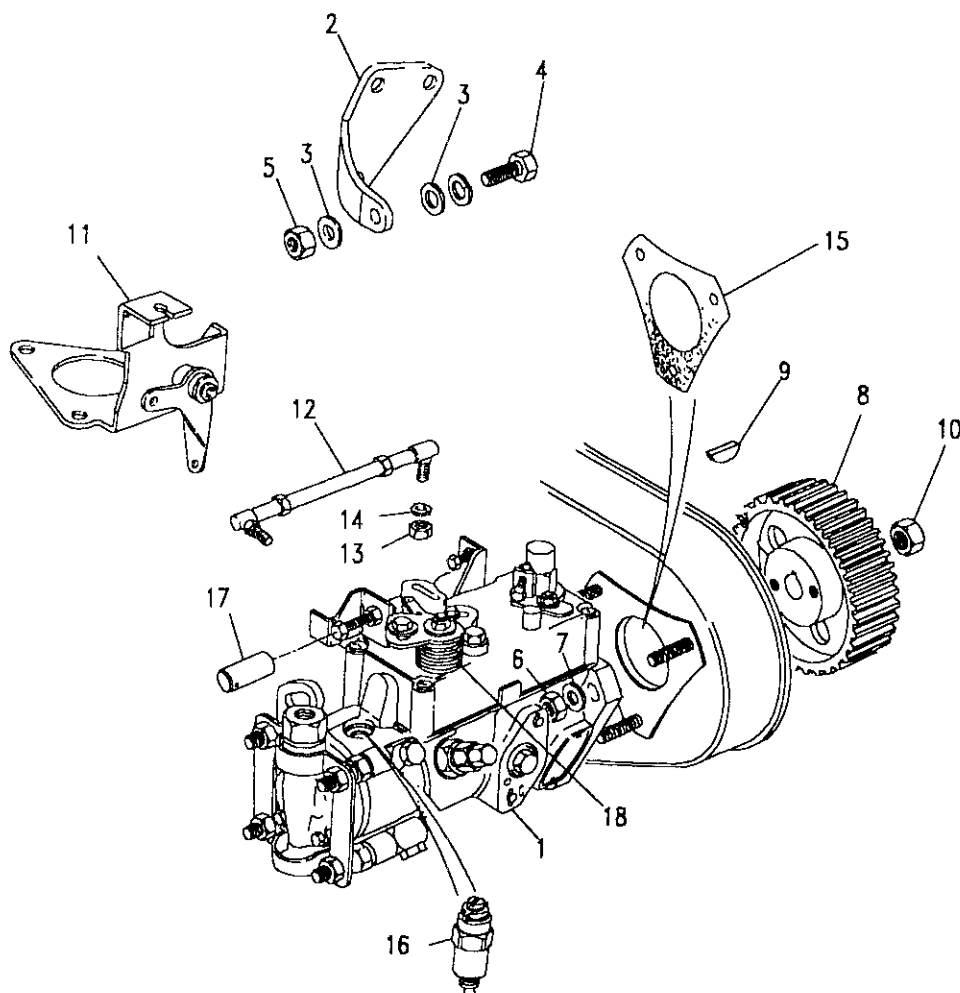
Note(1) Use RTC6180 Fuel Pump Kit up to 19J14097C



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ENGINE - INJECTOR PUMP - 2.5 DIESEL TURBO



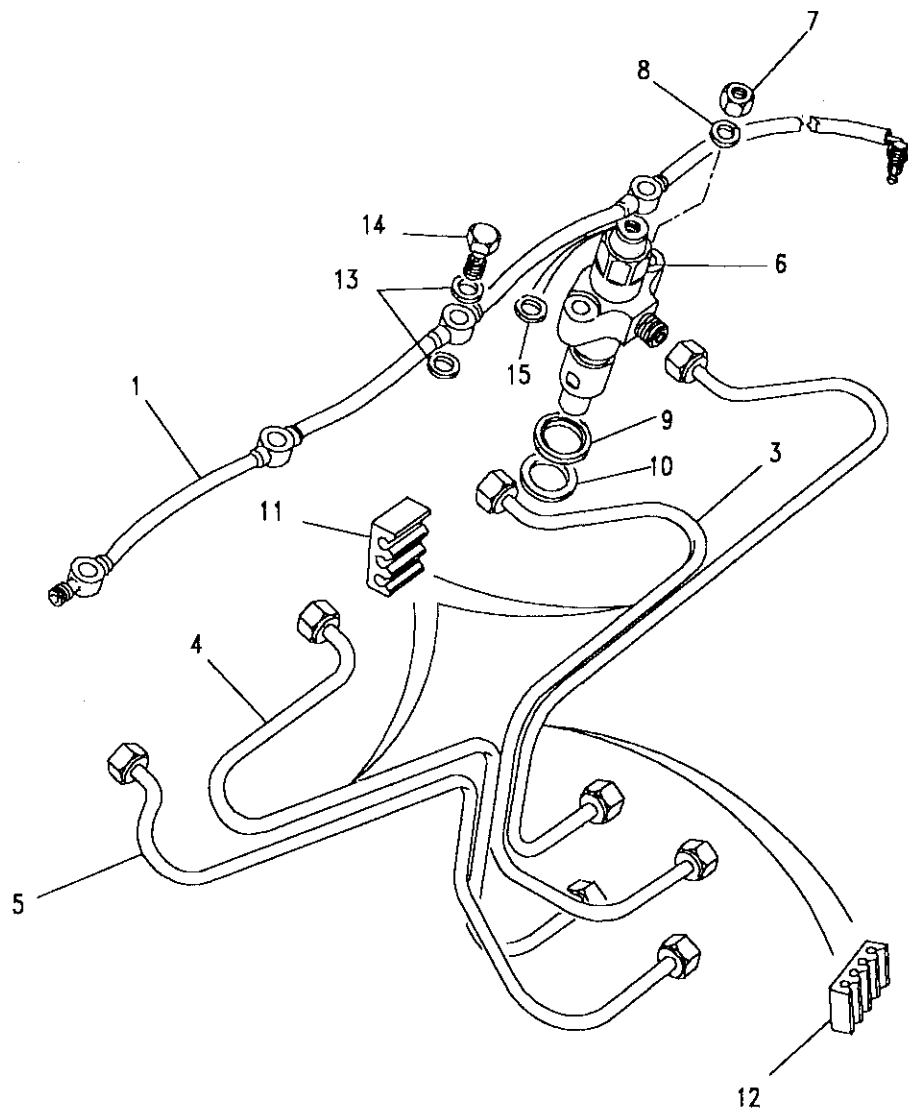
III. Part No.	Description	Qty	Remarks
1 ETC7136	Pump distributor	1	
ETC7136E	Pump distributor-exchange	1	
2 ETC4070	Bracket support-pump	1	
3 WA108051L	Washer-pump to bracket	2	
4 SH108251L	Screw-pump to bracket	1	
5 NY108041L	Nut-pump to bracket	1	
6 NH108041L	Nut	3	
7 WA108051L	Washer	3	
8 ETC5717	Pulley	1	
9 RTC5077	Key-pulley	1	
10 NH112041L	Nut-fixing pulley	1	
11 ETC6675	Lever throttle assembly	1	
12 ETC4417	Link throttle assembly	1	
13 NH105041L	Nut	2	
14 WA105001L	Washer	3	
15 ERR3617	Gasket injection pump	1	
16 BAU4611L	Switch-fuel cut off	1	
17 ETC4752	Sleeve-locking speed stop	1	
ETC7091	Bolt banjo	2	
517976	Washer joint	2	
18 RTC5891	Spring-throttle return	1	

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ENGINE - INJECTORS AND PIPES - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ERR1259	Spill return assembly	1	Note(1)
2 ETC4291	Pipe-injector No.1	1	
3 ETC4292	Pipe-injector No.2	1	
4 ETC4293	Pipe-injector No.3	1	
5 ETC4294	Pipe-injector No.4	1	
6 ERR1266	Injector	4	
564332E	Injector exchange	4	
247726	Nozzle	4	
7 NH108041L	Nut	8	
8 WL108001L	Washer spring	8	
9 12H220L	Washer	4	
10 247179	Washer joint	4	
11 ETC4156	Clip-injector pipes	2	
12 ETC4308	Clip-injector pipes	1	
13 273069	Washer joint	8	
14 273521	Banjo-injectors	4	
15 517976	Washer joint-banjos	4	

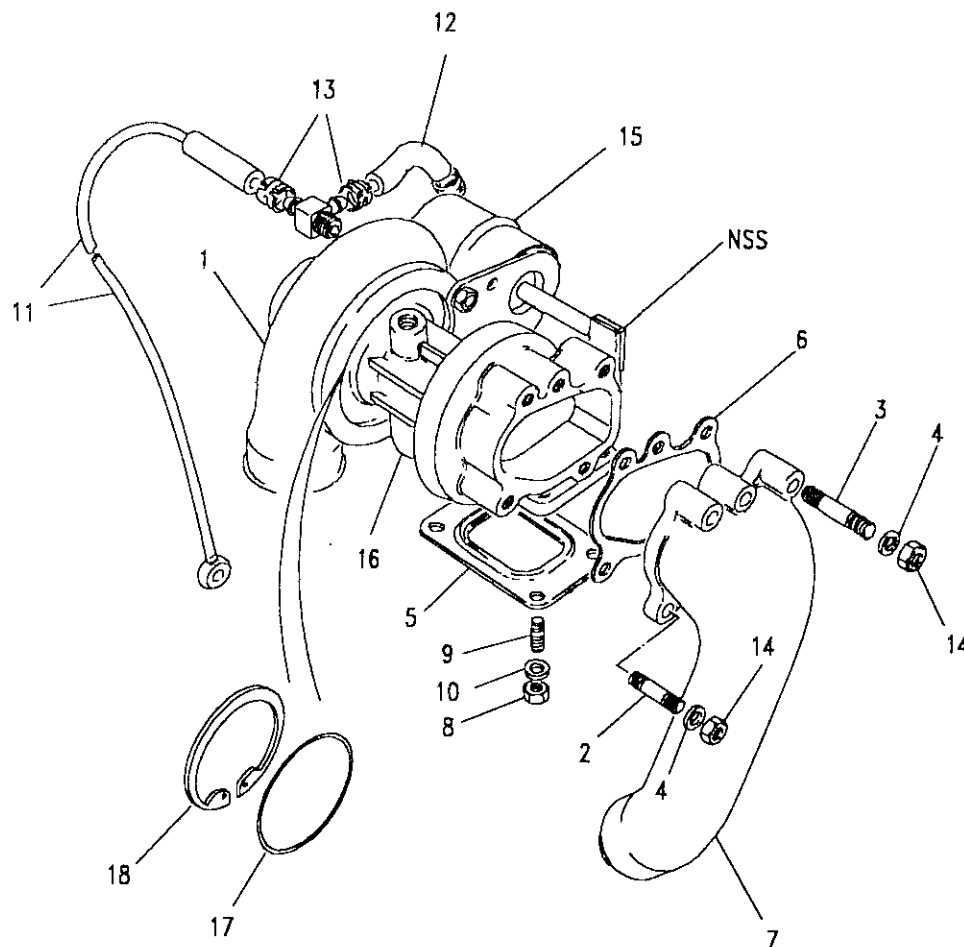
Note(1) ERR1259 screws directly into the pump-olive and male nut.



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ENGINE - TURBO CHARGER - 2.5 DIESEL TURBO

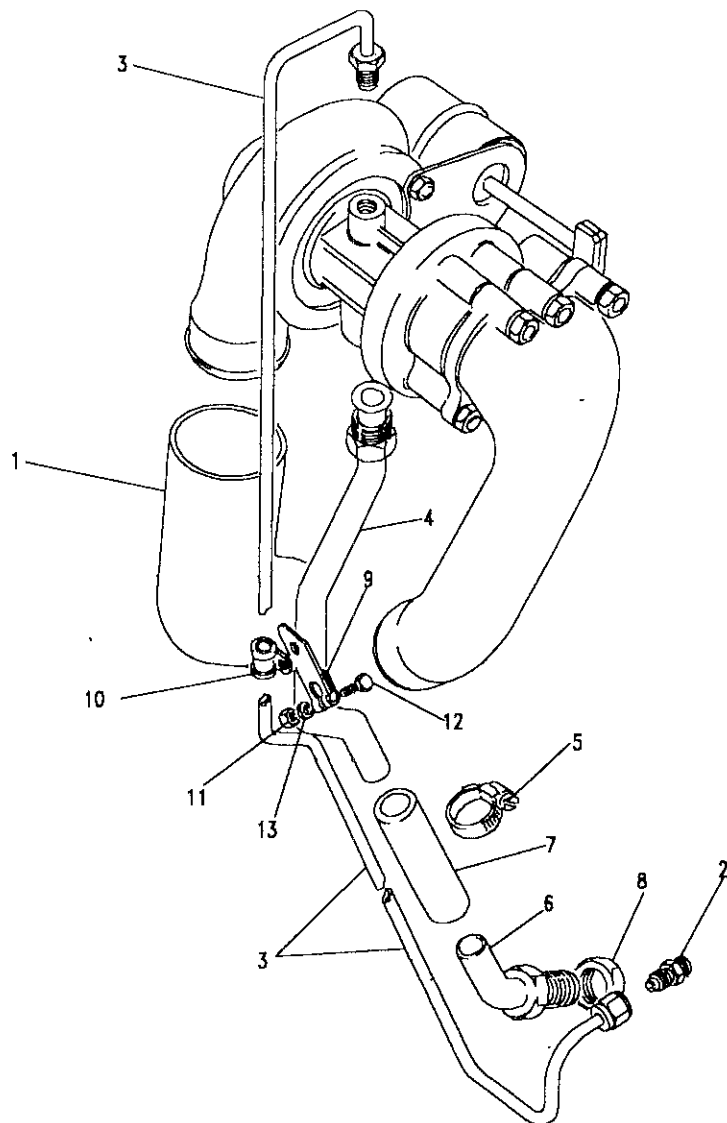
III. Part No.	Description	Qty	Remarks
1 STC99N	Turbo charger	1	
STC99E	Turbo Charger - exchange	1	
2 RTC6094	Stud-M8x32	1	
3 RTC6093	Stud-M8x48	4	
ERR1125	Bolt-banjo-turbo/charger	1	
FRC4808	Washer joint	2	
4 WA108051L	Washer-stud	5	
5 ETC5710	Gasket-turbo to exhaust	1	
6 ETC5898	Gasket	1	
7 ETC7058	Elbow-exhaust outlet	1	
8 ETC7184	Nut	4	
9 ETC7667	Stud	4	
10 WA108051L	Washer	4	
ETC7186	Lockplate-fix/exh-man	2	
11 ETC7331	Pipe assembly	1	Upto19J35152C
ERR1260	Pipe assembly	1	From19J35153C
12 RTC5099	Hose-comp/to actuator	1	
13 UKC3803L	Hose band	3	
14 NH108041L	Nut-turbo exhaust outlet	4	
15 RTC6543	Actuator assembly	1	
16 RTC6540	Housing centre	1	
17 RTC6541	O ring	1	
18 RTC6542	Snap ring	1	



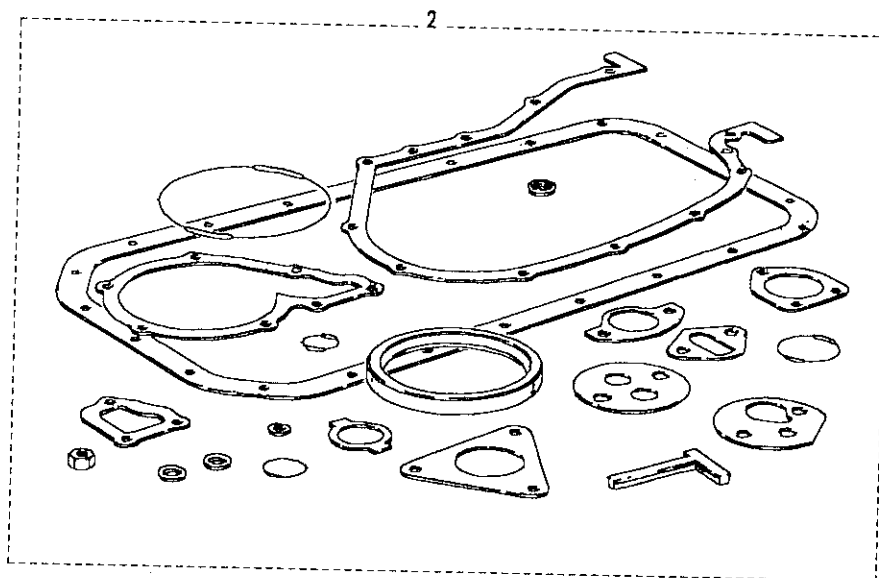
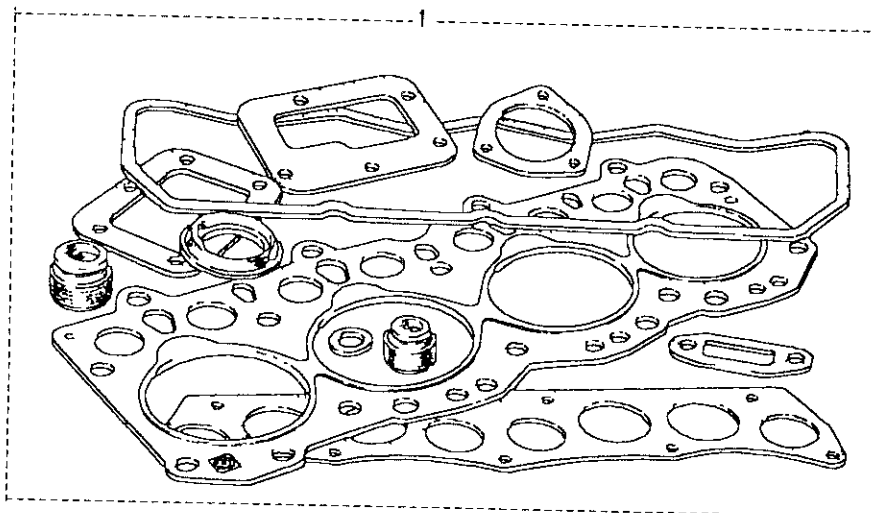
Model DEFENDER 110 1987 onwards

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ENGINE - TURBO CHARGER - 2.5 DIESEL TURBO



III. Part No.	Description	Qty	Remarks
1 ETC5752	Hose	1	
2 ETC5755	Adaptor	1	
ETC8820	Adaptor	1	From19J29574C
3 ETC7207	Pipe oil feed	1	
ERR3495	Pipe oil inlet	1	
4 ETC7654	Pipe oil drain	1	
ERR3494	Pipe oil drain	1	
5 CN100258L	Clip hose	2	
6 ETC6640	Adaptor	1	
ERR335	Adaptor	1	)From19J29574CC
ERR896	Washer	1	
CP110161	P Clip	1	
7 ETC6663	Hose-oil drain	1	
UKC3796L	Clamp hose	1	
8 ETC6669	Lock nut	1	
9 ETC8666	Bracket-oil feed pipe	1	
ETC7351	Bracket-oil feed pipe	1	From19J29574C
10 ETC7558	Clip cable	1	
ETC8843	Clip cable	1	From19J29574C
11 NH105041L	Nut	1	
12 SH105251L	Screw	1	
13 WA105001L	Washer	1	



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Page AFBHMA1A

ENGINE - GASKET KIT - 2.5 DIESEL TURBO

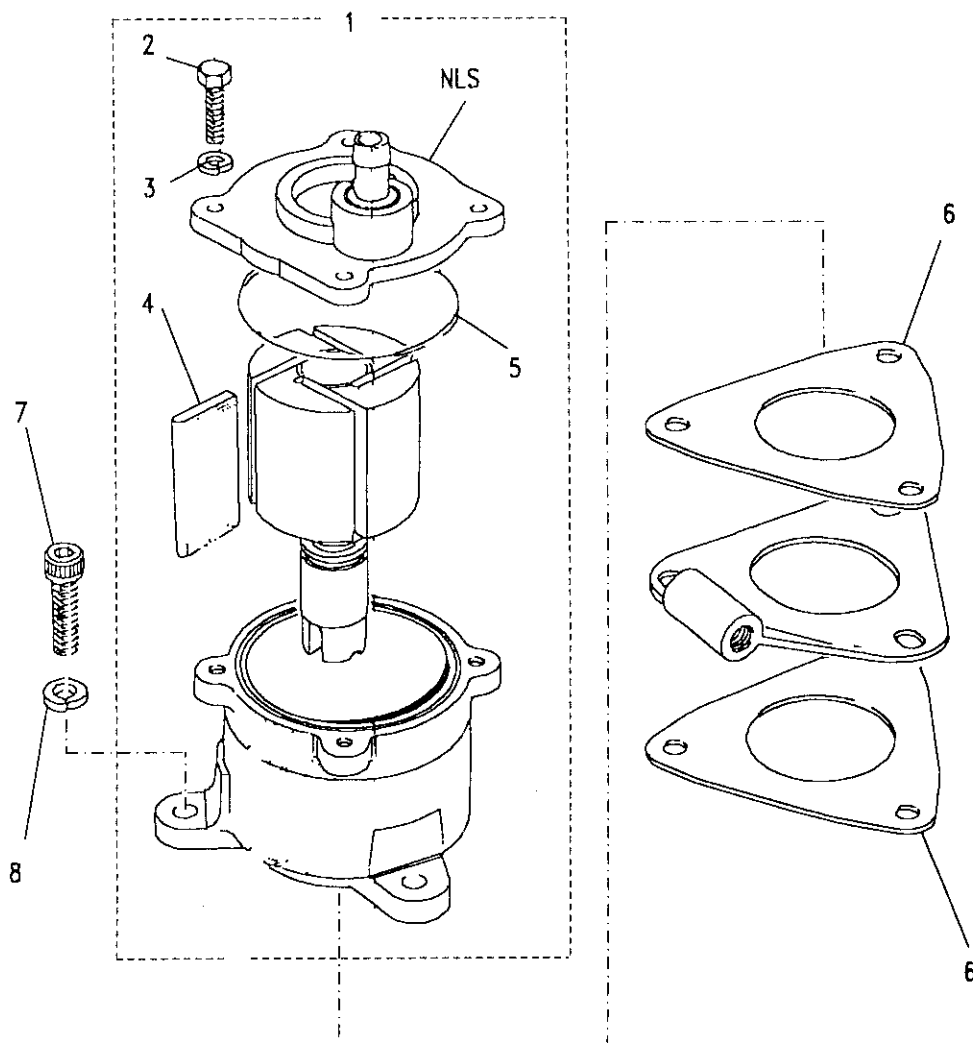
III. Part No.	Description	Qty	Remarks
1 RTC5774	Kit gasket decarbonising	1	
2 RTC5775	Kit gasket overhaul	1	
STC1558	Kit gasket overhaul	1	Asbestos free

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ENGINE - VACUUM PUMP - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ERR535	Pump vacuum assembly	1	
2 AEU2720	Bolt	4	
3 WL106001L	Washer-spring-end/plate/	4	
4 AEU2718	Blades rotor	4	
5 AEU2719	O ring-end plate to body	1	
6 ETC4616	Gasket	2	
7 SS108301L	Bolt	3	
8 WM600051L	Washer	3	





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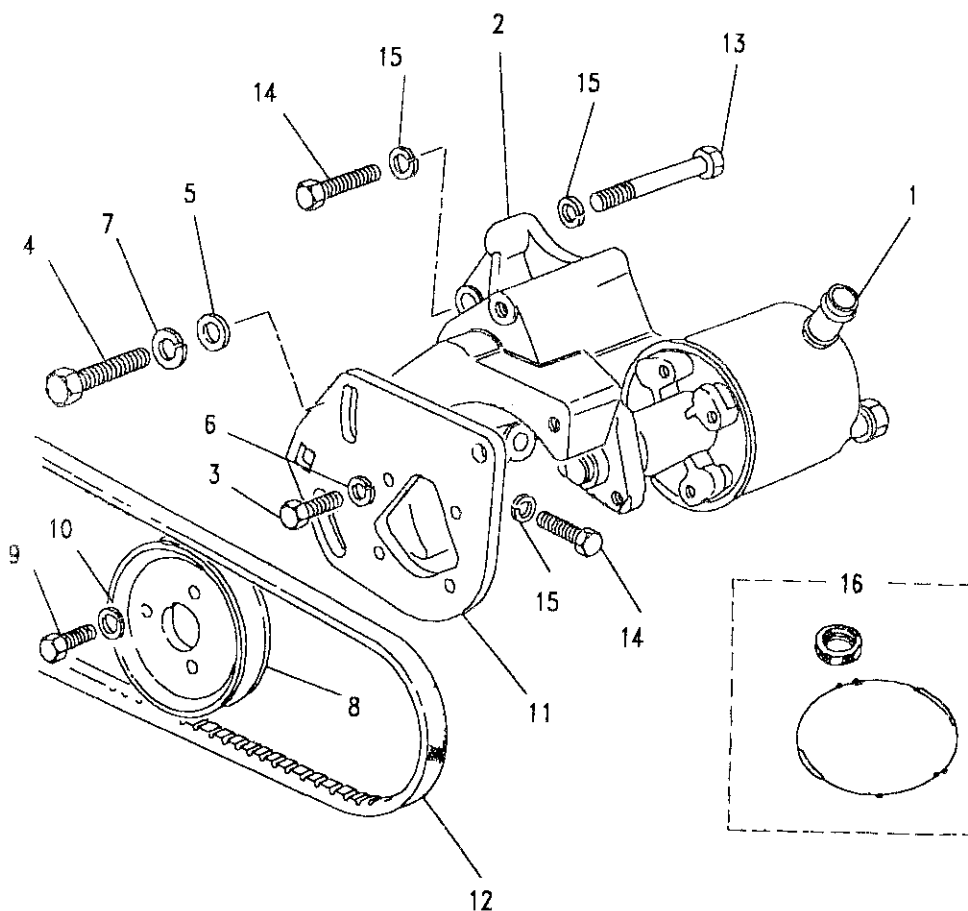
ENGINE

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ENGINE - POWER STEERING PUMP - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC9077	Pump power steering	1	)Upto19J27245C
RTC5674	Banjo	1	
RTC5675	Washer sealing	1	
1 NTC8287	Pump power steering	1	)From
			)19J27246c
1 NTC9070	Pump power steering	1	)Upto JULY 92
2 ERC6974	Bracket	1	From JULY1992
ETC8854	Bracket	1	Upto19J27245C
3 FS106201L	Screw-pump to bracket	4	From19J27246C
4 SH108251L	Screw-pump to bracket	3	
5 WA108051L	Washer-pump to bracket	2	
6 WL106001L	Washer spring	4	
7 WL108001L	Washer spring	3	
8 ETC5783	Pulley	1	
9 SH108141L	Screw-pulley to pump	3	
10 WL108001L	Washer spring	3	
11 ERR1976	Plate mounting	1	Upto JULY 1992
ERR2605	Plate mounting	1	From JULY 1992
12 ETC5815	Belt-power steering pump	1	
13 BH108181L	Bolt	1	
14 SH108251L	Screw	2	
SH108301L	Screw	1	
15 WL108001L	Washer spring	4	
16 RTC5935	Kit seal (ETC9077)	1	
STC1633	Kit seal (NTC9070)	1	

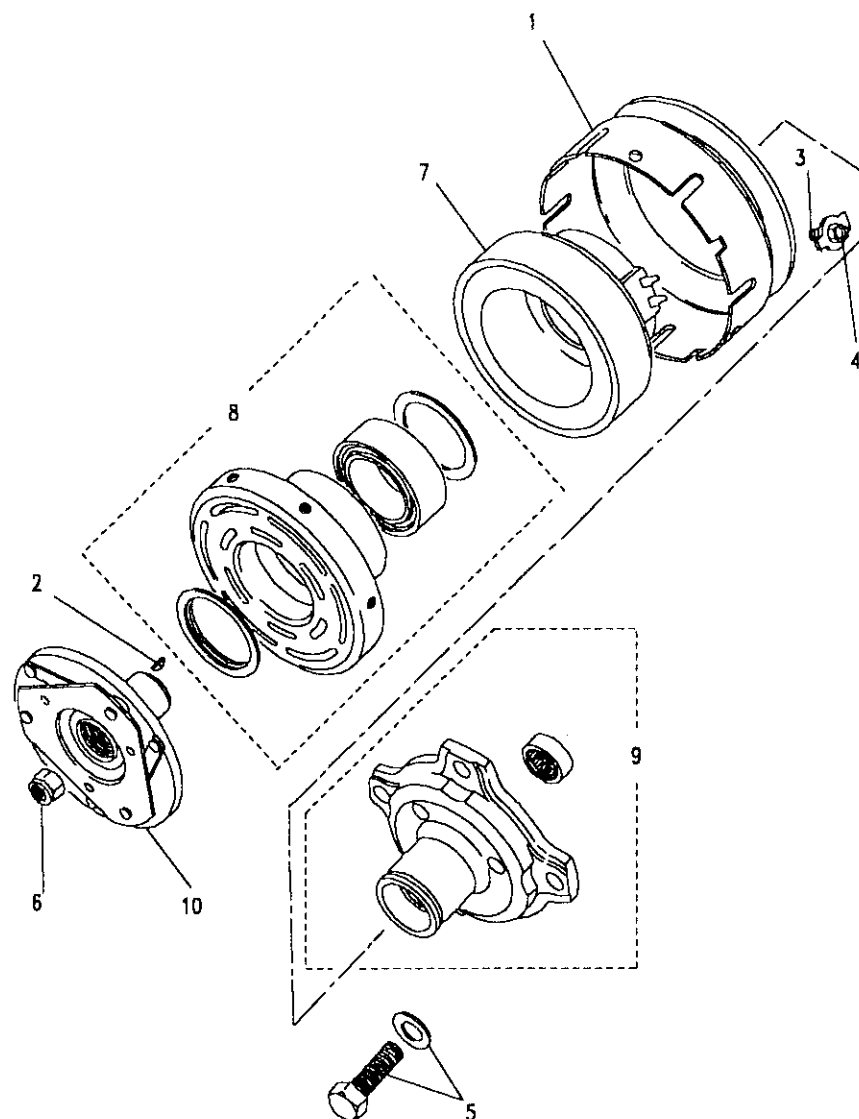


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ENGINE - AIRCON COMPRESSOR - 2.5 DIESEL - TURBO

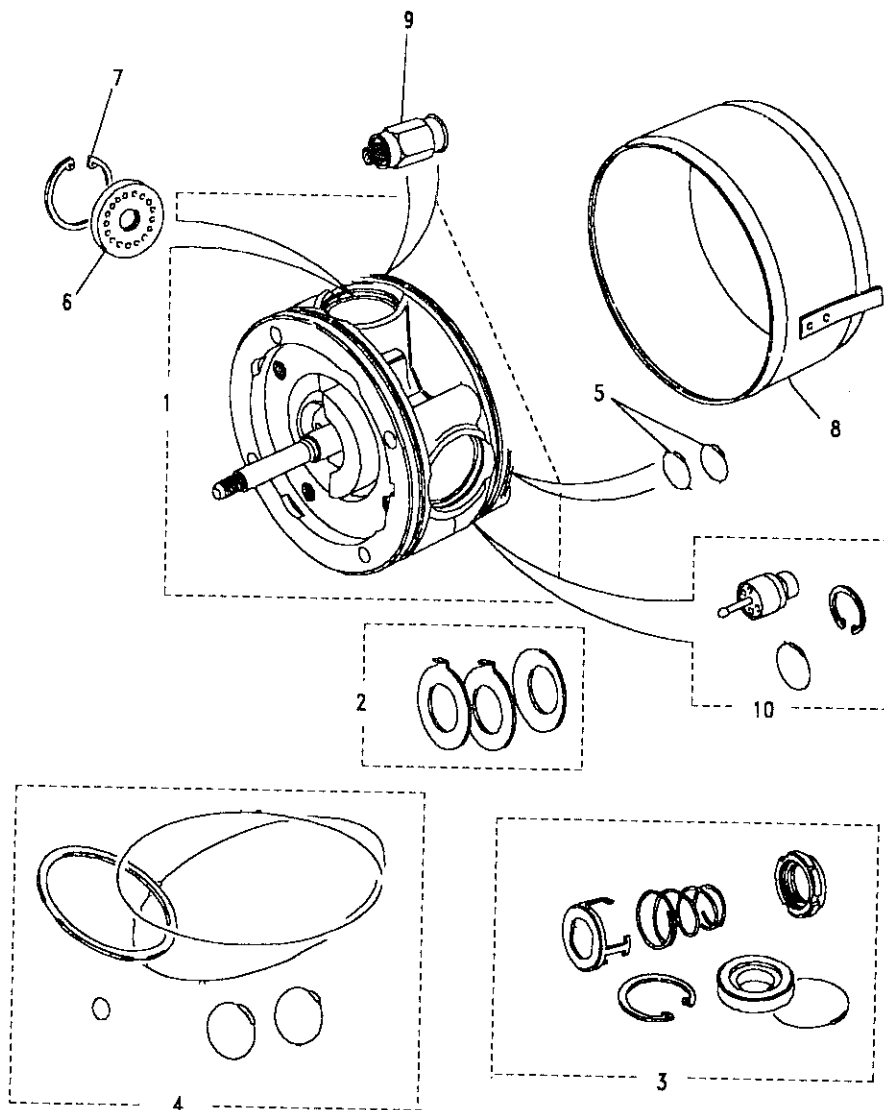
III. Part No.	Description	Qty	Remarks
ERC6480	Compressor assembly	1	
1 AEU1782	Pulley	1	
2 AEU1694	Key-clutch hub	1	
3 AEU1780	Screw-rim mounting	6	
4 AEU1779	Washer-rim mounting	6	
5 AEU1784	Screw	4	
6 AEU1775	Nut-shaft	1	
7 AEU1778	Coil	1	
8 AEU1777	Rotor	1	
9 AEU1785	Bearing assembly	1	
10 AEU1776	Clutch assembly	1	



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ENGINE - AIRCON COMPRESSOR - 2.5 DIESEL TURBO

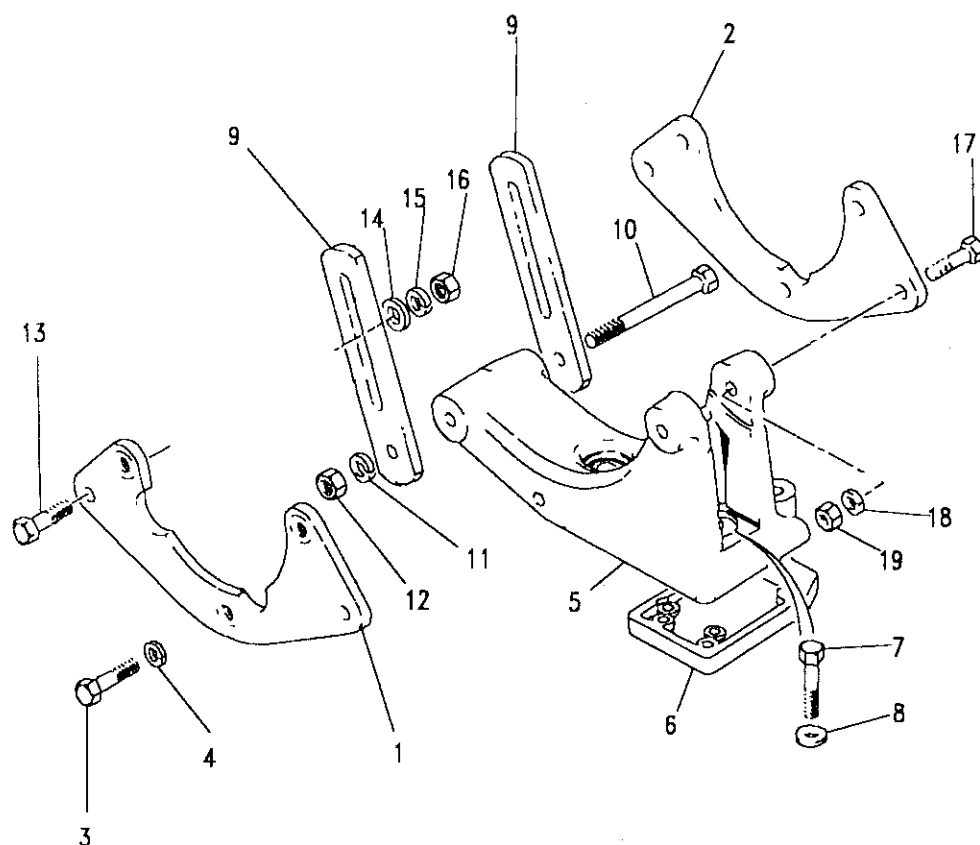
III. Part No.	Description	Qty	Remarks
ERC6480	Compressor assembly	1	
1 AEU1792	Kit-cylinder/shaft assy	1	
2 AEU1791	Kit-thrust washers	1	
3 AEU1790	Kit-shaft seal	1	
4 AEU1192	Kit-'O'rings	1	
5 AEU1690	'O'rings	2	
6 AEU1788	Valve plate assembly	4	
7 AEU1787	Ring retaining	4	
8 AEU1786	Shell assembly	1	
9 AEU1689	Valve pressure	1	
10 AEU1688	Kit-superheat switch	1	
ETC4371	Belt-driving	1	
AEU1691	Oil-525 Vis/2pt-(1136ml)	A/R	



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ENGINE - COMPRESSOR FIXINGS - 2.5 DIESEL TURBO



III. Part No.	Description	Qty	Remarks
1 ERC7082	Plate mounting-front	1	
2 ERC5152	Plate mounting-rear	1	
3 BH110201L	Bolt-compressor to plate	3	
4 WL110001L	Washer spring	3	
5 ETC4882	Bracket	1	
6 ETC4197	Plate adaptor-bracket	1	
7 BH110101L	Bolt-bracket to cover	4	
8 WA110061L	Washer	4	
9 ERC5155	Link adjuster	2	
10 BH108181L	Bolt-link to bracket	1	
11 WL108001L	Washer spring	1	
12 NH108041L	Nut	1	
13 SH108251L	Screw-link to plate	2	
14 WA108051L	Washer	2	
15 WL108001L	Washer spring	2	
16 NH108041L	Nut	2	
17 FB108081L	Bolt-bracket to plate	2	
18 WL108001L	Washer spring	2	
19 NH108041L	Nut	2	



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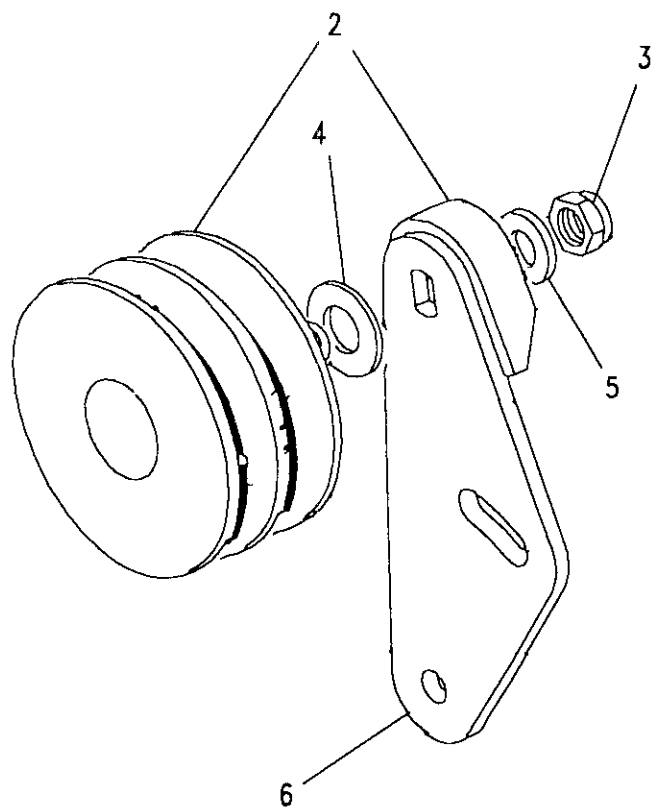
ENGINE

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ENGINE - AIRCON IDLER PULLEY - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 ETC7756	Pulley damper assembly	1	
2 554971	Pulley	1	
3 RTC6077	Nut	1	
4 4095	Washer plain	1	
5 WB108051L	Washer plain	1	
6 ETC4212	Plate mounting	1	



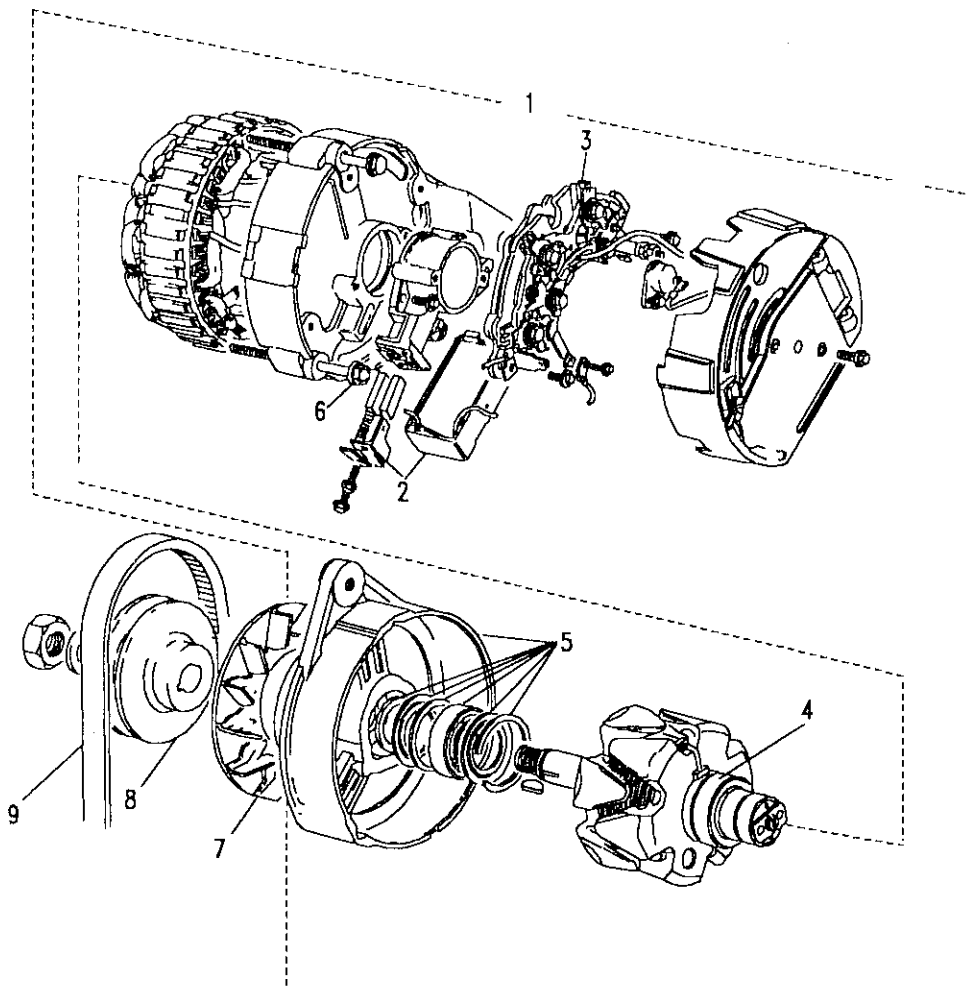
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ENGINE - ALTERNATOR - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
1 RTC5682N	Alternator A127/45 AMP	1	Note(1)
RTC5682E	Alternator A127/45 AMP	1	
2 RTC5670	Regulator and brush box	1	
3 RTC5684	Rectifier	1	
4 RTC5926	Bearing-slip ring end	1	
5 RTC5687	Bracket & bearing-drive	1	
6 RTC5925	Kit-through bolts	1	
7 RTC5685	Fan	1	
8 RTC5686	Pulley	1	
9 ETC7939	Belt fan	1	
RTC5689	Spacer-pulley	1	

Note(1) LUCAS number 24199

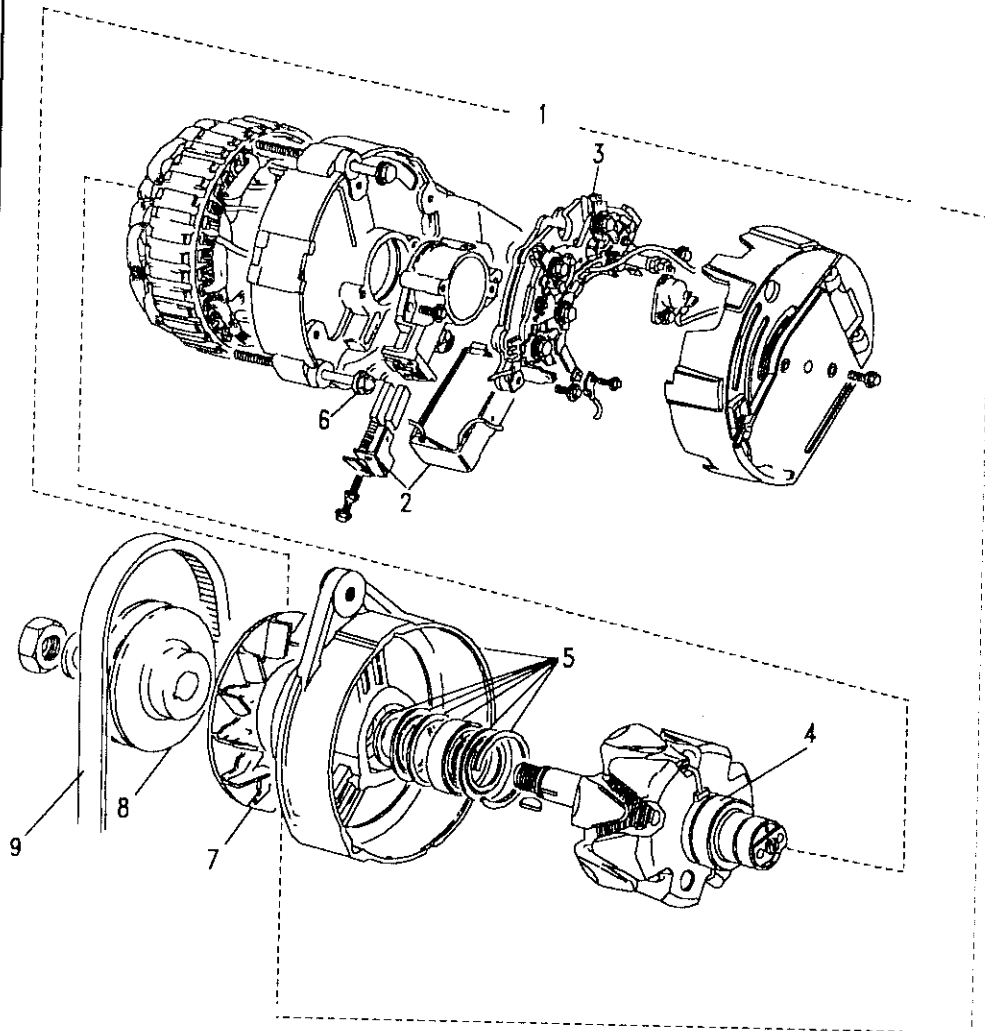


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ENGINE - ALTERNATOR - 2.5 DIESEL TURBO - AIR CON

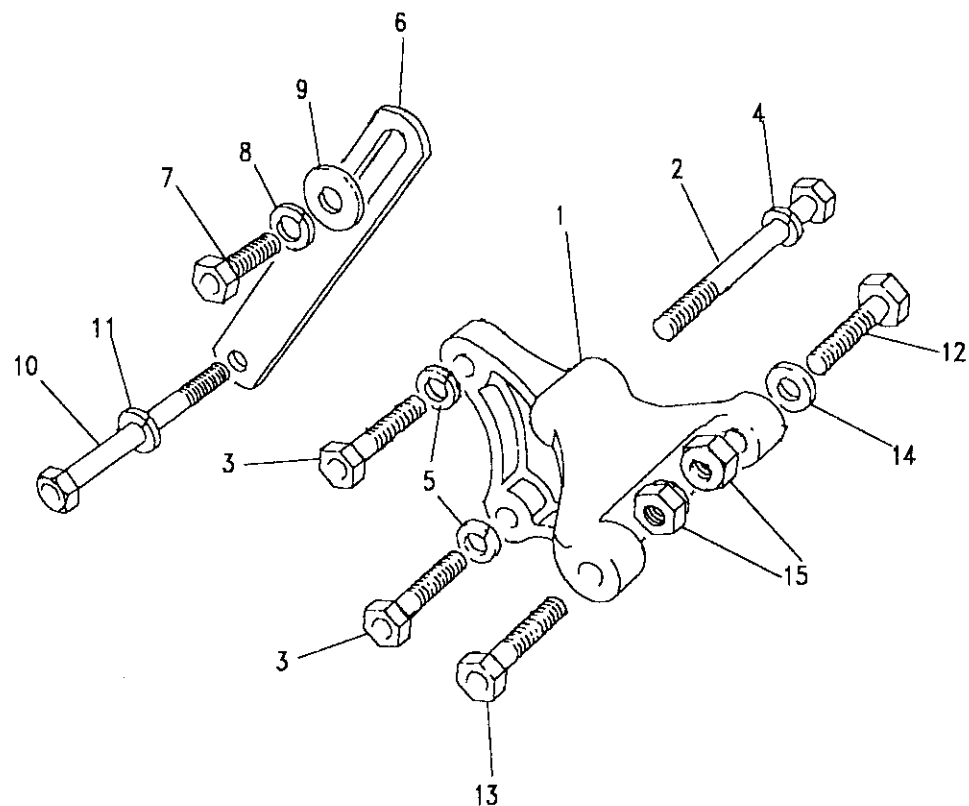
III. Part No.	Description	Qty	Remarks
1 RTC5680N	Alternator A127/65AMP	1	Note(1)
RTC5680E	Alternator A127/65AMP	1	
2 RTC5670	Regulator and brush box	1	
3 RTC5671	Rectifier	1	
4 RTC5926	Bearing-slip ring end	1	
5 RTC5687	Bracket & bearing-drive	1	
6 RTC5925	Kit-through bolts	1	
7 AAU2249L	Fan	1	
8 RTC5686	Pulley	1	
9 ETC7939	Belt fan	1	
RTC5689	Spacer-pulley	1	

Note(1) LUCAS number 24220



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Page AFBHPC3A

ENGINE - FIXINGS ALTERNATOR - 2.5 DIESEL TURBO

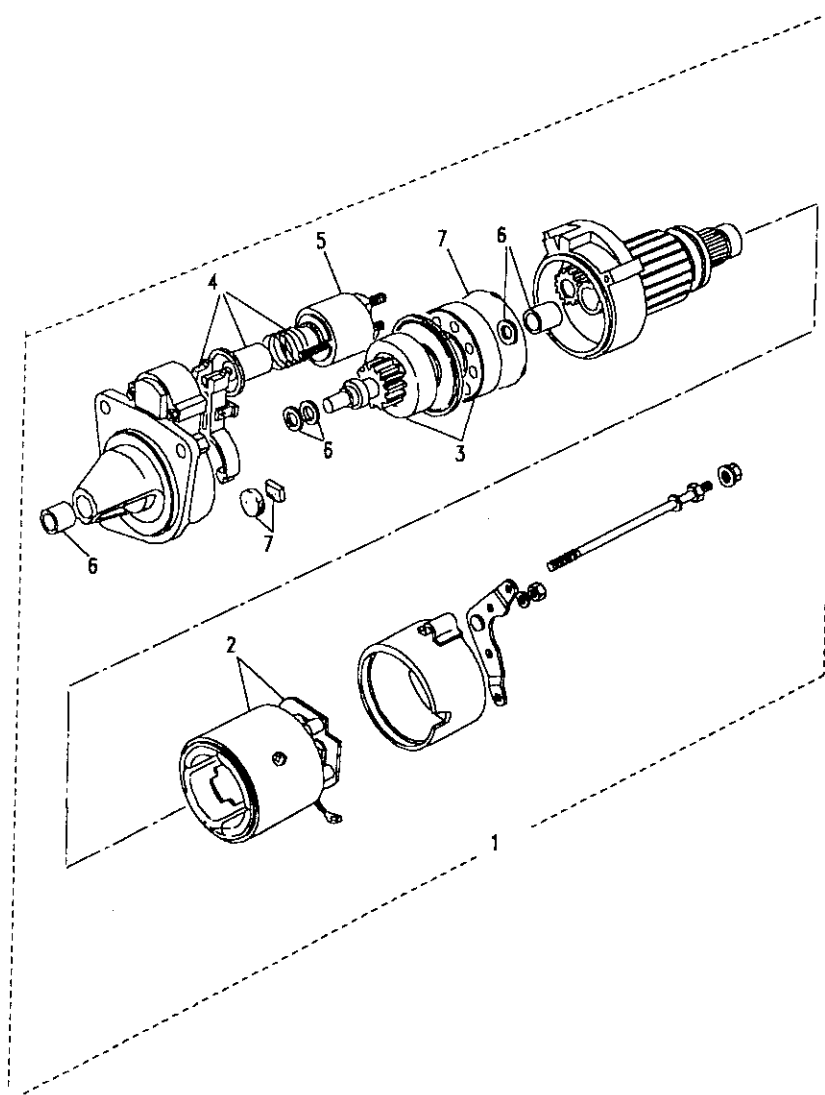


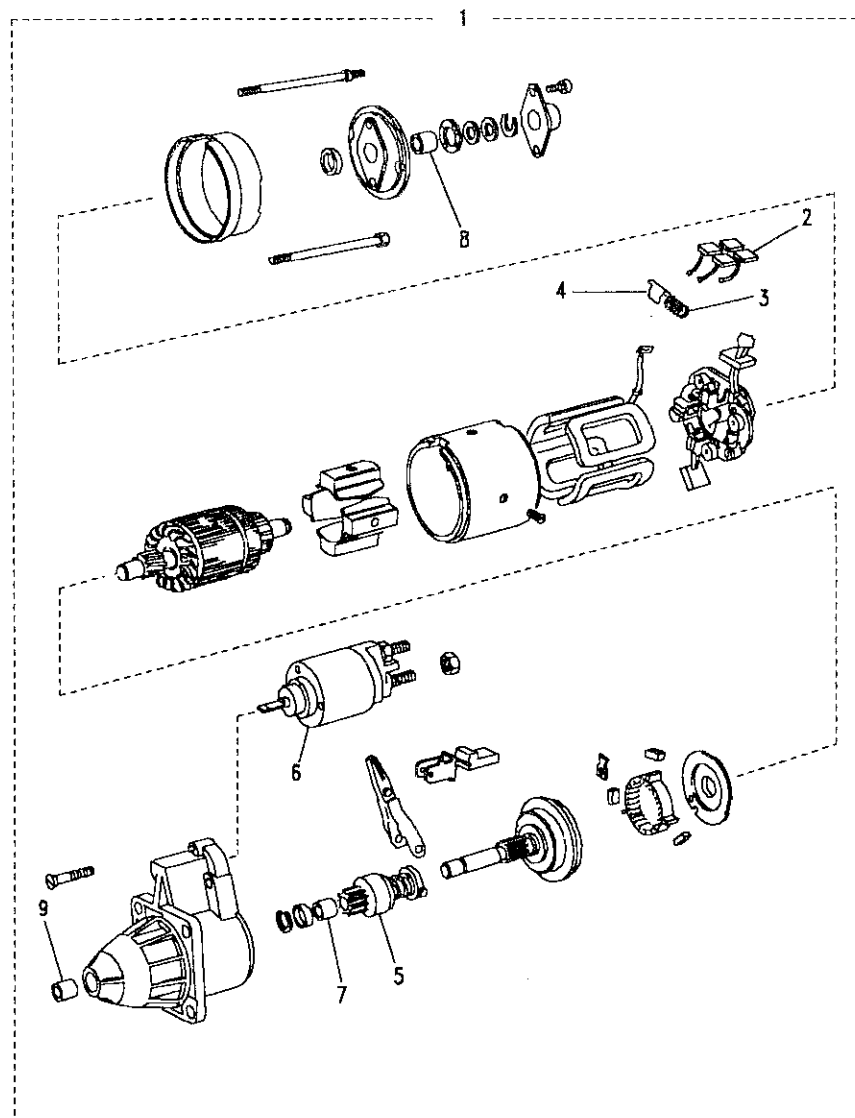
III. Part No.	Description	Qty	Remarks
1 ETC4357	Bracket-mounting	1	
2 BH108161L	Bolt-bracket to block	1	
3 SH110301L	Bolt-bracket to block	2	
4 WL108001L	Washer spring	1	
5 WL108001L	Washer spring	2	
6 ERC6266	Link-adjusting	1	
7 FS108207L	Screw-link to alternator	1	
8 WL108001L	Washer spring	1	
9 2266L	Washer	1	
10 ERC8964	Bolt-link to block	1	
11 WL108001L	Washer spring	1	
12 FB108081L	Bolt-bracket to block	1	
13 BH108091L	Bolt-bracket to block	1	
ERC7974	Spacer	1	
14 WC108051L	Washer	1	
15 NY108041L	Nut nyloc	2	

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ENGINE - STARTER MOTOR - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
Used up to JAN 1993			
1 PRC5109N	Starter motor	1	
PRC5109E	Starter motor exchange	1	
2 RTC4981	Inductor	1	
3 RTC4982	Pinion drive assembly	1	
4 RTC4979	Lever shift assembly	1	
5 RTC4978	Solenoid	1	
6 RTC4980	Kit repair	1	
7 RTC4983	Kit gasket	1	
PRC5538	Earth cable	1	
SH110301L	Screw-starter to flywheel	1	
NH110041L	Nut-starter to flywheel	2	
WL110001L	Washer spring	3	
BH110091L	Bolt-starter to flywheel	4	





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ENGINE - STARTER MOTOR - 2.5 DIESEL TURBO

III. Part No.	Description	Qty	Remarks
---------------	-------------	-----	---------

Used from JAN 1993

1	ERR5009	1	Starter motor
2	STC1246	1	Brush set
3	STC1254	4	Spring compression
4	STC1247	4	Guide brush
5	STC1244	1	Drive assembly
6	STC1245	1	Solenoid
7	STC1250	2	Bush
8	STC1251	1	Bush
9	STC1255	1	Bush



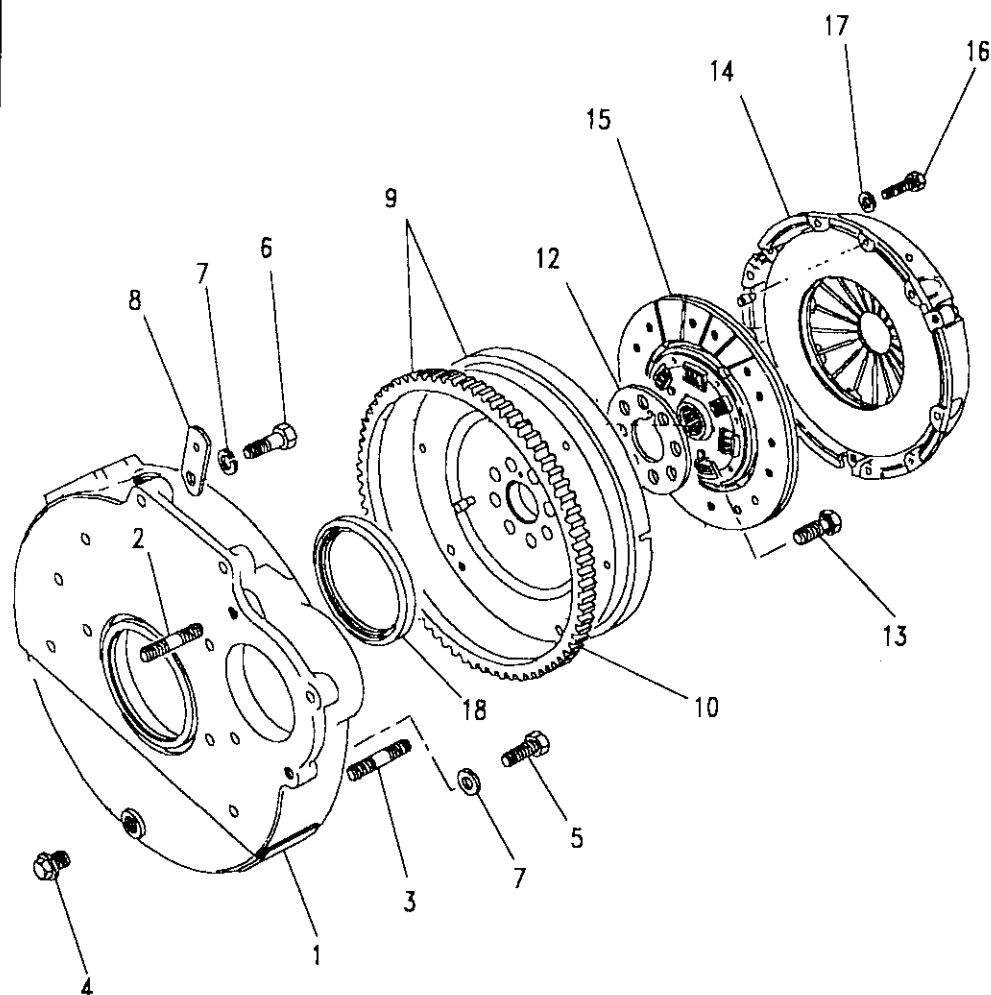
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ENGINE

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ENGINE - FLYWHEEL & CLUTCH - 2.5 DIESEL TURBO

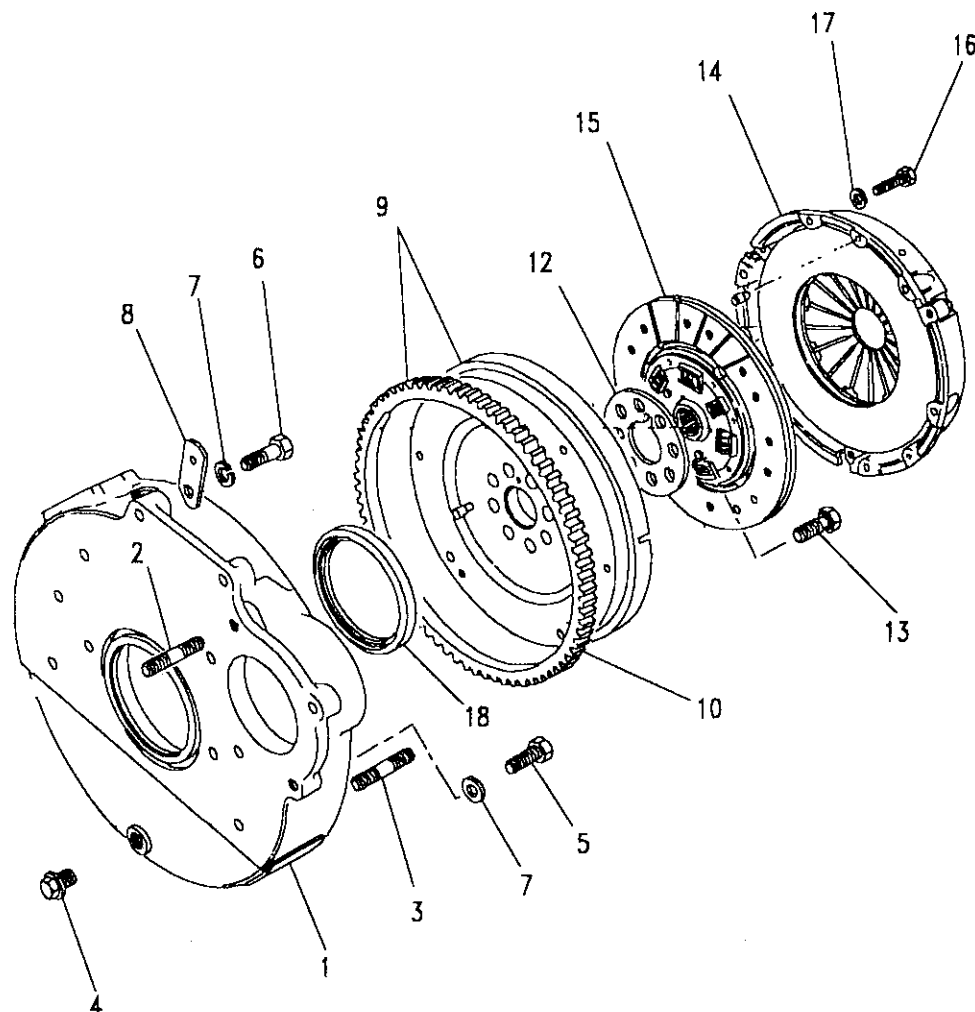


III. Part No.	Description	Qty	Remarks
1	ETC7336	1	Housing flywheel assembly
2	TE110061L	11	Stud-bell housing
3	ERC9240	1	Stud-starter motor
4	ERC7295	1	Plug
5	SH110301L	1	Screw-housing to block
6	BH110091L	6	Bolt-housing to block
7	WA110061L	2	Washer-housing to block
8	ERC9404	8	Bracket-harness clip
9	ETC5780	2	Flywheel assembly
10	568431	1	Starter ring
11	502116	3	Dowel



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ENGINE - FLYWHEEL & CLUTCH - 2.5 DIESEL TURBO



III. Part No.	Description	Qty	Remarks
12 ERC4658	Plate reinforcement	1	Note(1)
13 ERC6551	Bolt-flywheel to crank	8	Note(1)
ERR4574	Bolt flywheel	8	From Dec 93
14 FTC575	Cover clutch	1	
15 FTC2149	Plate clutch	1	
STC8358	Kit clutch	1	
FTC575	Cover	1	
FTC2149	Plate	1	
FRC9568	Bearing	1	
16 SX108201L	Screw	6	
17 WL108001L	Washer spring	6	
18 ERR2532	Seal oil	1	

Note(1) Only fitted up to Dec 93. The reinforcing plate was found to serve no useful purpose. If replacing use shorter screws ERR4574



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