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GROUP K

EXHAUST SYSTEM

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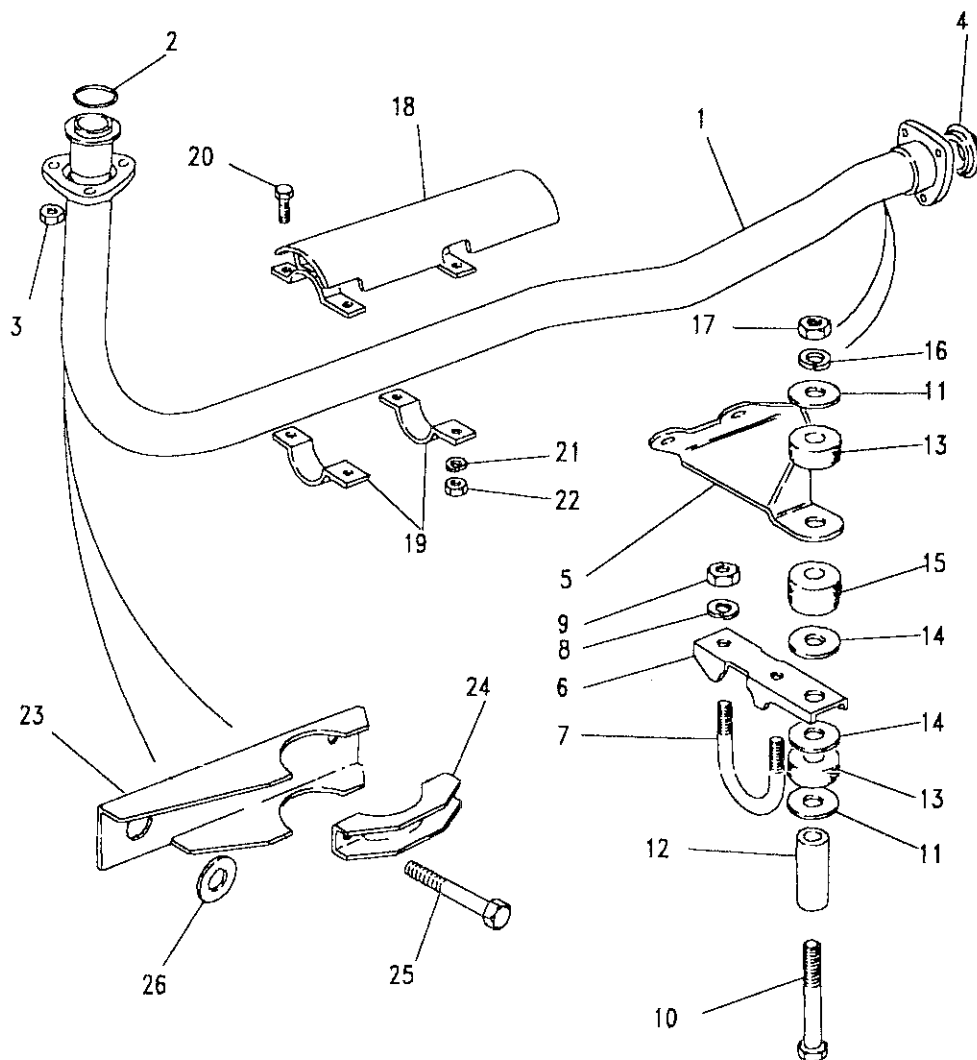
EXHAUST SYSTEM

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EXHAUST SYSTEM - FRONT - 4 CYL PETROL & NAT ASP DIESEL

Ill. Part No.	Description	Qty	Remarks
1 NTC1794K	Downpipe	1	Petrol
NTC1793K	Downpipe	1	Diesel
ESR1617	Downpipe	1	Upto JA911705 Diesel From JA911706
2 ETC5337	Gasket exhaust	1	
3 AFU2778	Nut	3	
4 NTC1030	Olive	1	
5 NRC7778	Bracket mounting	1	
6 NRC6467	Clamp exhaust	1	Upto 290071
90575748	Clamp exhaust	1	From 290072
7 NRC6466	U bolt	1	Upto 290071
NRC6374	U bolt	1	From 290072
8 WL108001L	Washer spring	2	
9 FN108041L	Nut	2	
10 SH108701L	Bolt	1	
11 WP105L	Washer plain	2	
12 NRC5403	Spacer	1	
13 572166	Bush rubber	2	
14 572168	Washer plain	1	
15 572167	Bush rubber	1	
16 WL108001L	Washer spring	1	
17 FN108041L	Nut	1	
18 NTC5205	Heatshield exhaust	1	
19 NTC2278	Clamp exhaust	2	
20 FS108201L	Screw	4	
21 WL108001L	Washer spring	4	
22 FN108041L	Nut	4	





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EXHAUST SYSTEM - FRONT - 4 CYL PETROL & NAT ASP DIESEL

III. Part No.

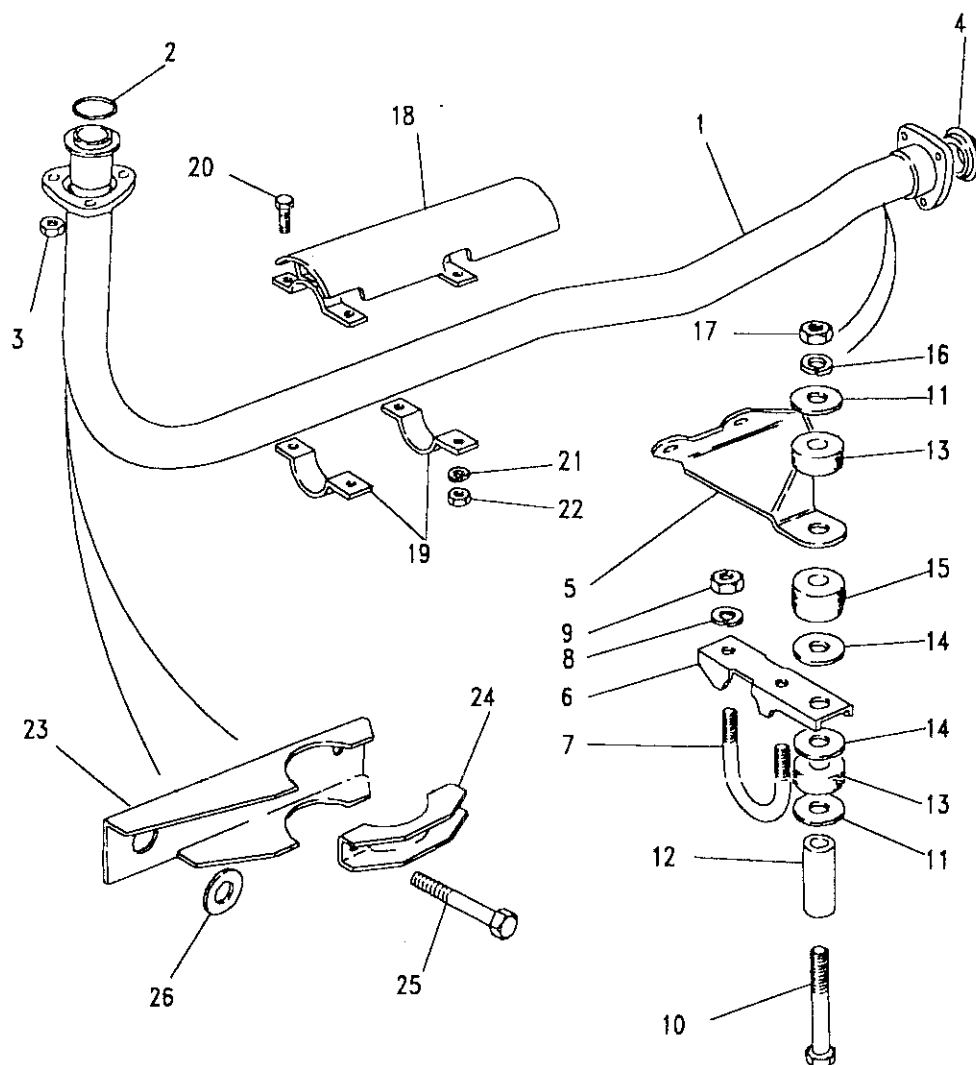
Description

Qty Remarks

23 NTC4580
24 NTC4586
25 BH108131L
26 WC112081L

Bracket support
Clamp exhaust
Bolt
Washer plain

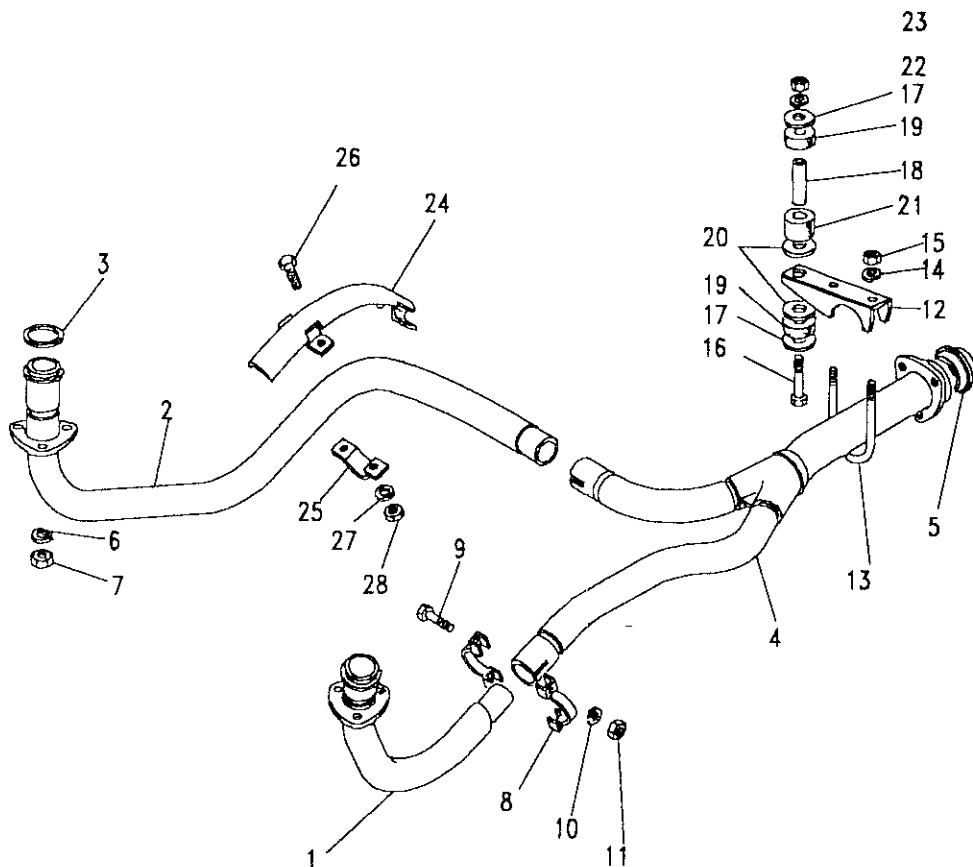
1)From EA290072
1)Upto EA338367
2)and
1)From FA405333
onwards



Model DEFENDER 110 1987 onwards

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EXHAUST SYSTEM - FRONT - V8



Ill. Part No.	Description	Qty	Remarks
1 NTC1133K	Downpipe LH	1	Upto FA403996
2 NTC1136K	Downpipe assembly	1	Upto FA403996 15/
NRC4219	Downpipe LH	1	From FA403997
NRC6432	Downpipe RH	1	From FA403997
3 ERC2734	Gasket exhaust	2	Upto FA403996
4 NTC2726	Y piece	1	
5 NTC1030	Olive	1	
6 WM600051L	Washer spring	6	Upto FA403996
7 NH605041L	Nut	6	Upto FA403996
NV605041L	Nut	6	From FA403997
8 90575511	Clamp exhaust	4	
9 BH108091L	Bolt	4	
10 WL108001L	Washer spring	4	
11 FN108041L	Nut	4	
12 90575748	Clamp exhaust	1	
13 NRC6374	U bolt	1	
14 WL108001L	Washer spring	2	
15 FN108041L	Nut	2	
16 SH108701L	Bolt	1	
17 WP105L	Washer plain	2	
18 NRC5403	Spacer	1	
19 572166	Bush rubber	2	
20 572168	Washer plain	2	
21 572167	Bush rubber	1	
22 WL108001L	Washer spring	1	
23 FN108041L	Nut	1	



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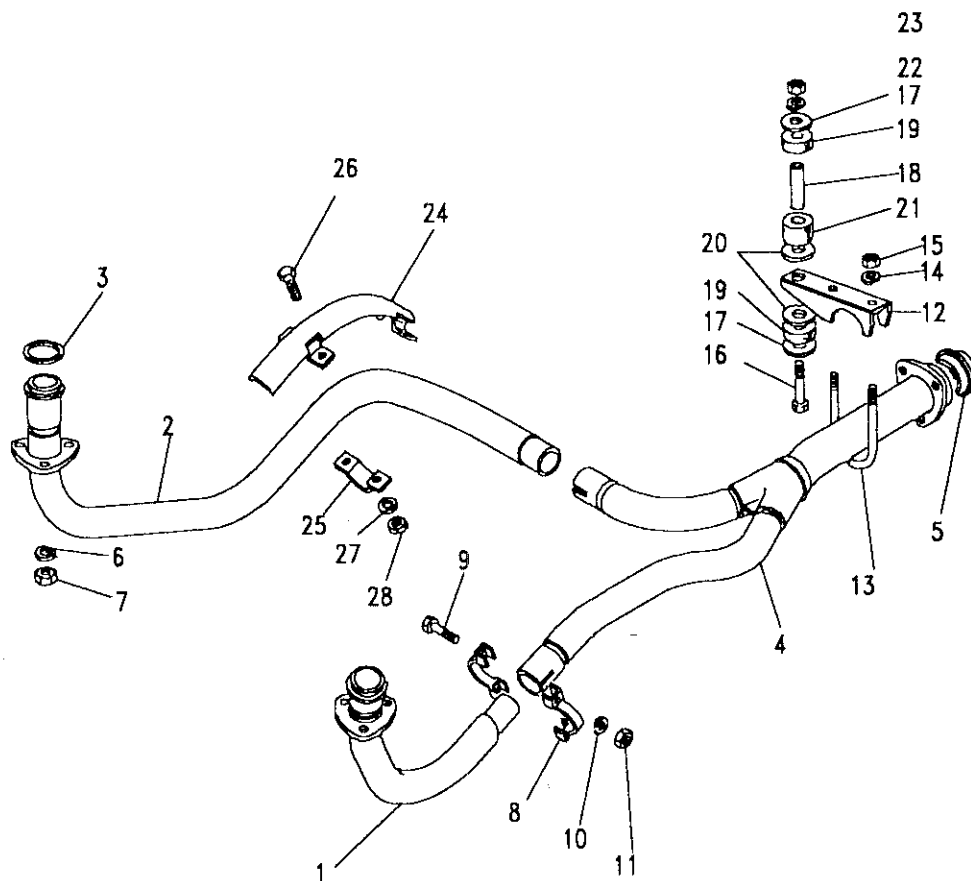
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EXHAUST SYSTEM

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EXHAUST SYSTEM - FRONT - V8



III. Part No.

24	NRC9724
25	NRC9722
26	FS108201L
27	WL108001L
28	FN108041L

Description

Heatshield exhaust
Pipe Clip
Screw
Washer spring
Nut

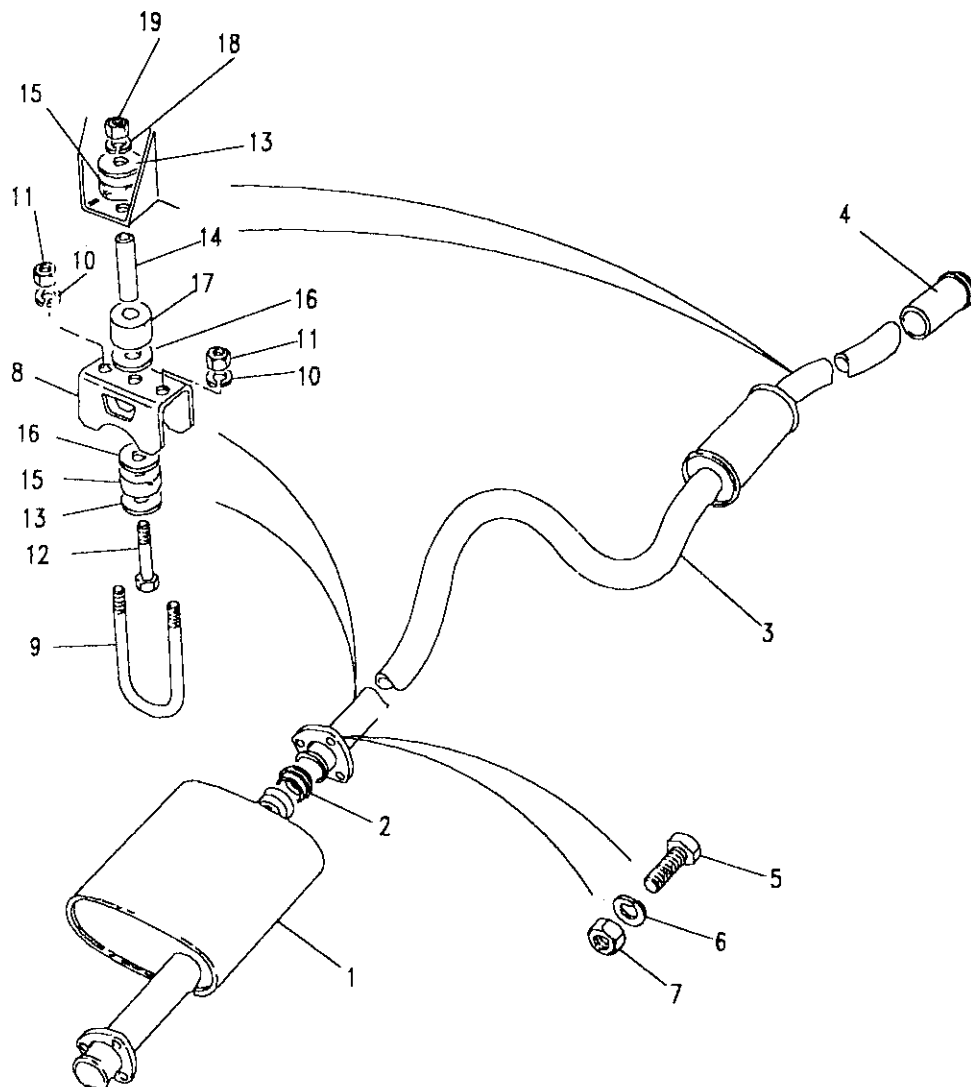
Qty Remarks

2
4
8
8
8



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EXHAUST SYSTEM - REAR - PETROL AND NAT ASP DIESEL



III. Part No.	Description	Qty	Remarks
1 NTC4614	Silencer exhaust	1	Front
2 NTC2731	Olive	1	
3 NTC1800K	Silencer exhaust	1	Note(1)
NTC4617	Silencer exhaust	1	Note(2)
NTC2701K	Silencer exhaust	1	Note(3)
4 NRC8238	Finisher tailpipe	1	Note(4)
5 FB108081L	Bolt flanged	6	
6 WL108001L	Washer spring	6	
7 FN108041L	Nut	6	
8 NRC7608	Clamp exhaust	2	
9 NRC7609	U bolt	2	
10 WL108001L	Spring Washer	4	
11 FN108041L	Nut	4	
12 SH108701	Bolt	2	
13 WP105L	Washer plain	4	
14 NRC5403	Spacer	2	
15 572166	Bush rubber	4	
16 572168	Washer plain	4	



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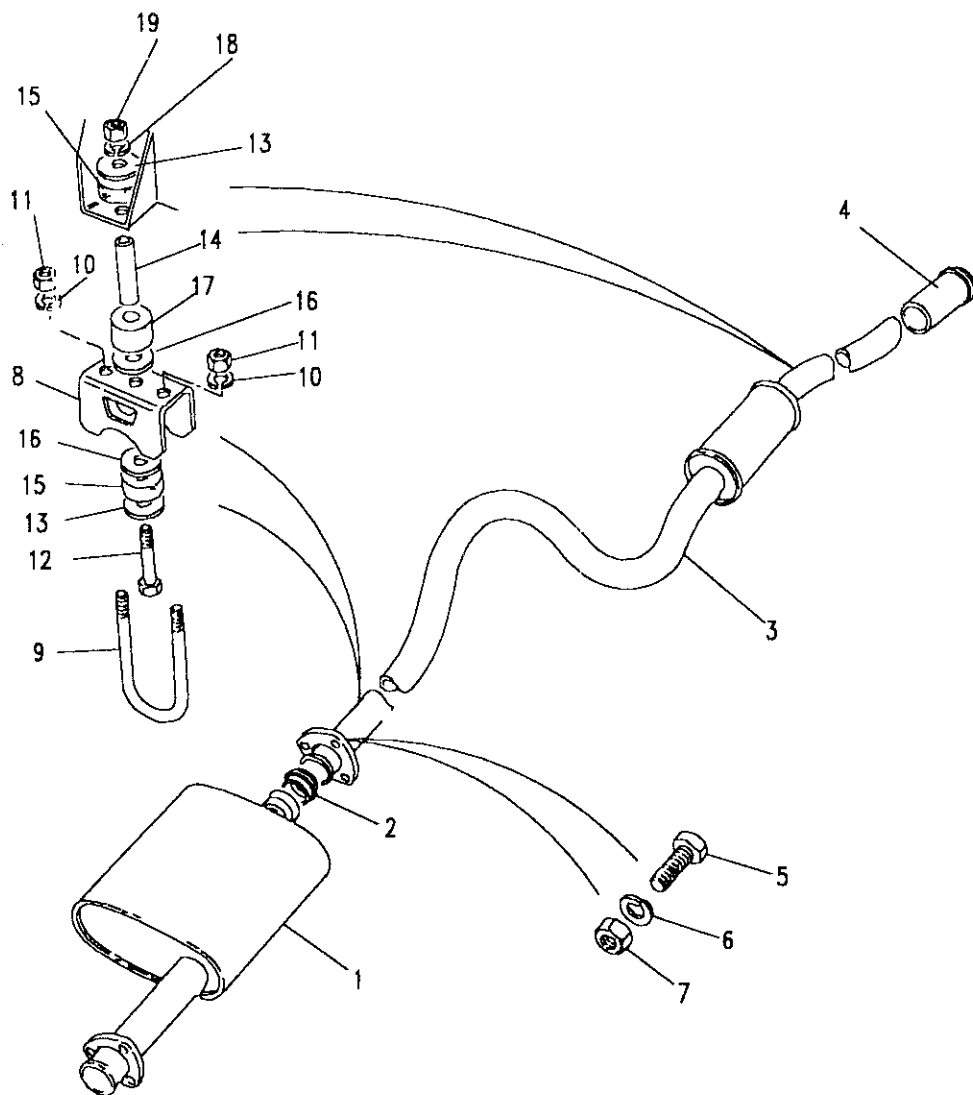
EXHAUST SYSTEM

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EXHAUST SYSTEM - REAR - PETROL AND NAT ASP DIESEL

III. Part No.	Description	Qty	Remarks
17 572167	Bush rubber	2	
18 WL108001L	Washer spring	2	
19 FN108041L	Nut	2	
Defender 130 RRC4419	Pipe exhaust extension	1	

Note(1) Rear - single can
Note(2) Rear - single can - Australia
Note(3) Rear - twin can - Option and Switzerland
Note(4) HCPU and Germany



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EXHAUST SYSTEM - FRONT - DIESEL TURBO

III. Part No.

Description

Qty Remarks

1	NTC4426	Downpipe	1	Upto VIN 450078
	ESR159	Downpipe	1	From VIN 450079
2	NTC3608	Clamp exhaust	1	
3	ESR266	Bracket mounting	1	From VIN 450079

Fixings - downpipe to engine

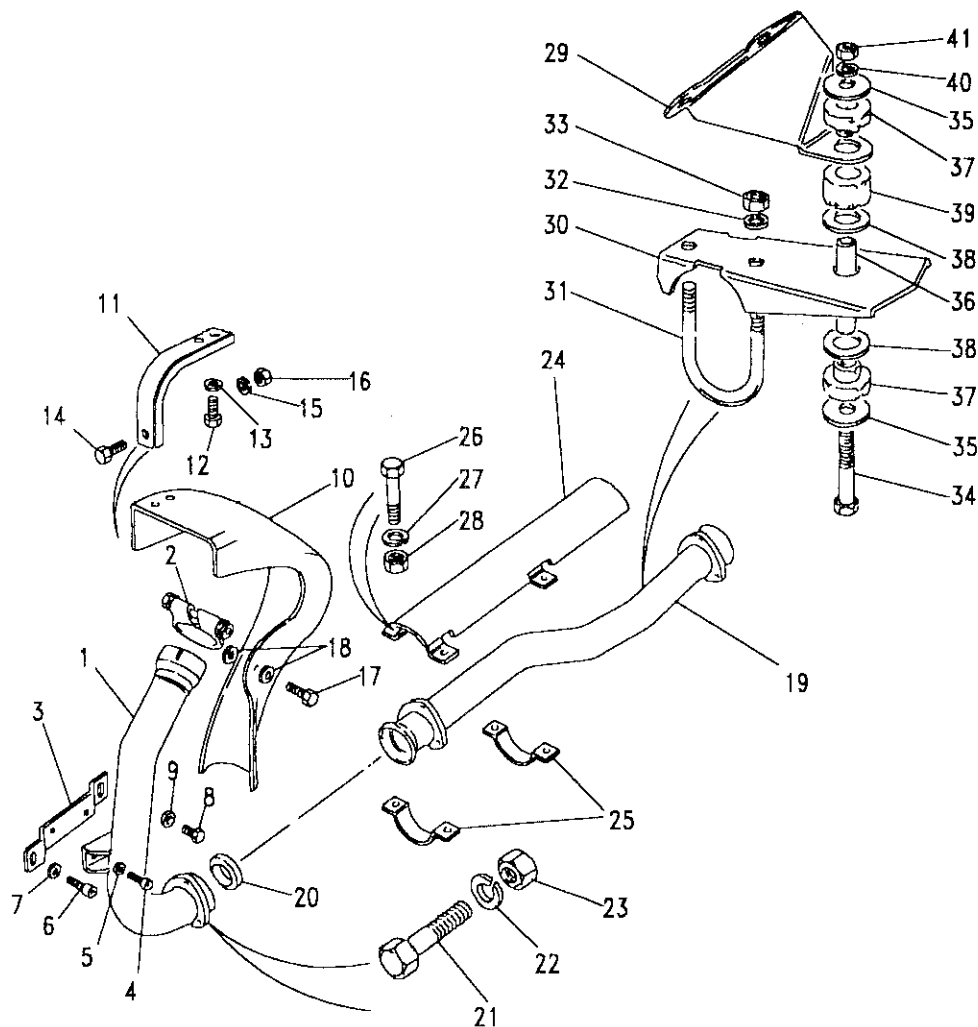
	SH110161	Screw	1	Upto VIN 450078
	WA110061	Washer plain	1	Upto VIN 450078

Fixings - bracket to downpipe

4	SS106161L	Screw	2	From VIN 450079
5	WJ106001L	Washer plain	2	From VIN 450079

Fixings - bracket to engine

6	SS108161L	Screw	1	From VIN 450079
7	WA108051L	Washer plain	1	From VIN 450079
8	SH110141L	Screw	1	From VIN 450079
9	WA110061L	Washer plain	1	From VIN 450079
10	NTC4833	Heatshield exhaust	1	
11	NTC4548	Bracket support	1	Upto VIN FA418948
	ESR219	Bracket support	1	From VIN FA418949





Model DEFENDER 110 1987 onwards
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EXHAUST SYSTEM - FRONT - DIESEL TURBO

Ill. Part No.	Description	Qty	Remarks
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Fixings - heatshield to bracket

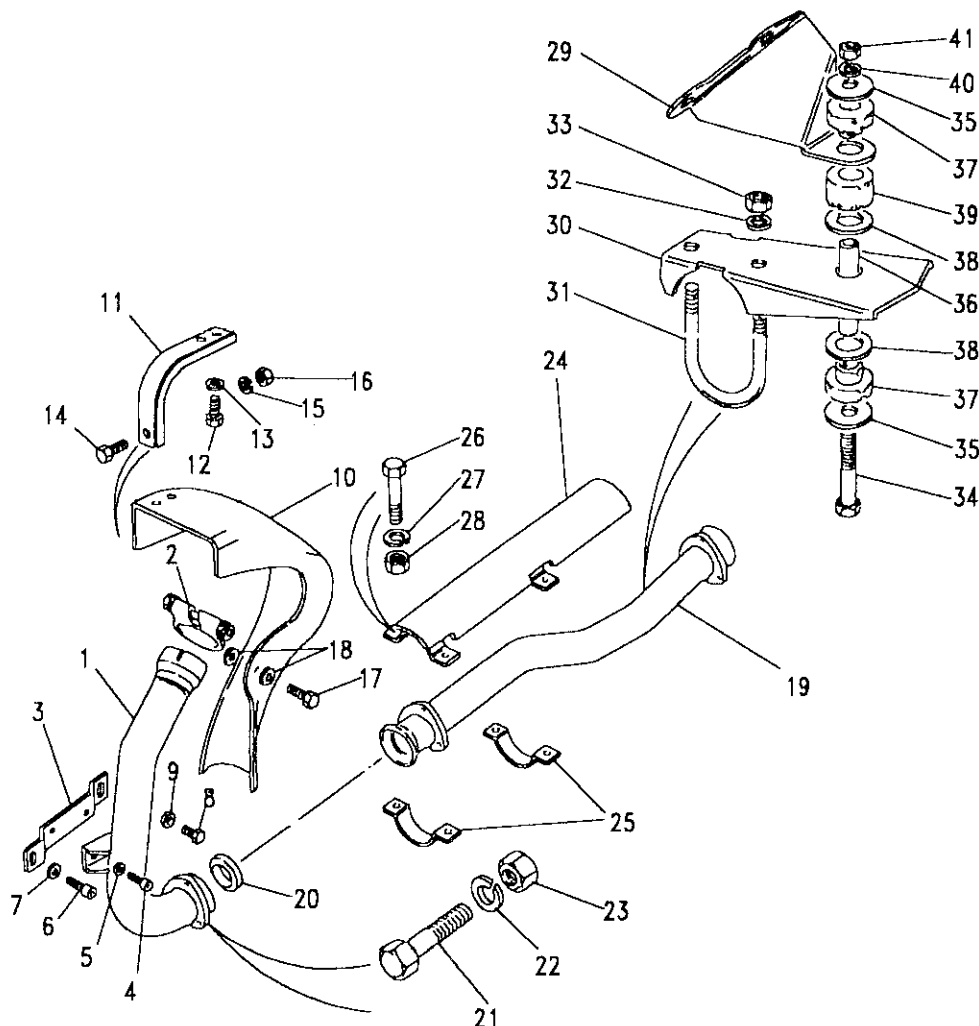
12	FS106167L	Screw	2	Note(1))
	FS106167L	Screw	1	Note(1)
13	WA106041L	Washer plain	2	Upto VIN FA418948
	WA106041L	Washer plain	1	From VIN FA418949

Fixings - bracket to waste gate

14	FS106167L	Screw	1	Note(1)
15	WL106001	Washer spring	1	
16	NH106041L	Nut	1	

Fixings - heatshield to stud

17	SH108141L	Screw	1	Note(1)
18	WJ108001	Washer plain	2	
19	NTC4221	Pipe exhaust intermediate	1	
20	NTC1030	Olive	1	
21	BH108091L	Bolt	3	
22	WL108001L	Washer spring	3	
23	FN108041L	Nut	3	

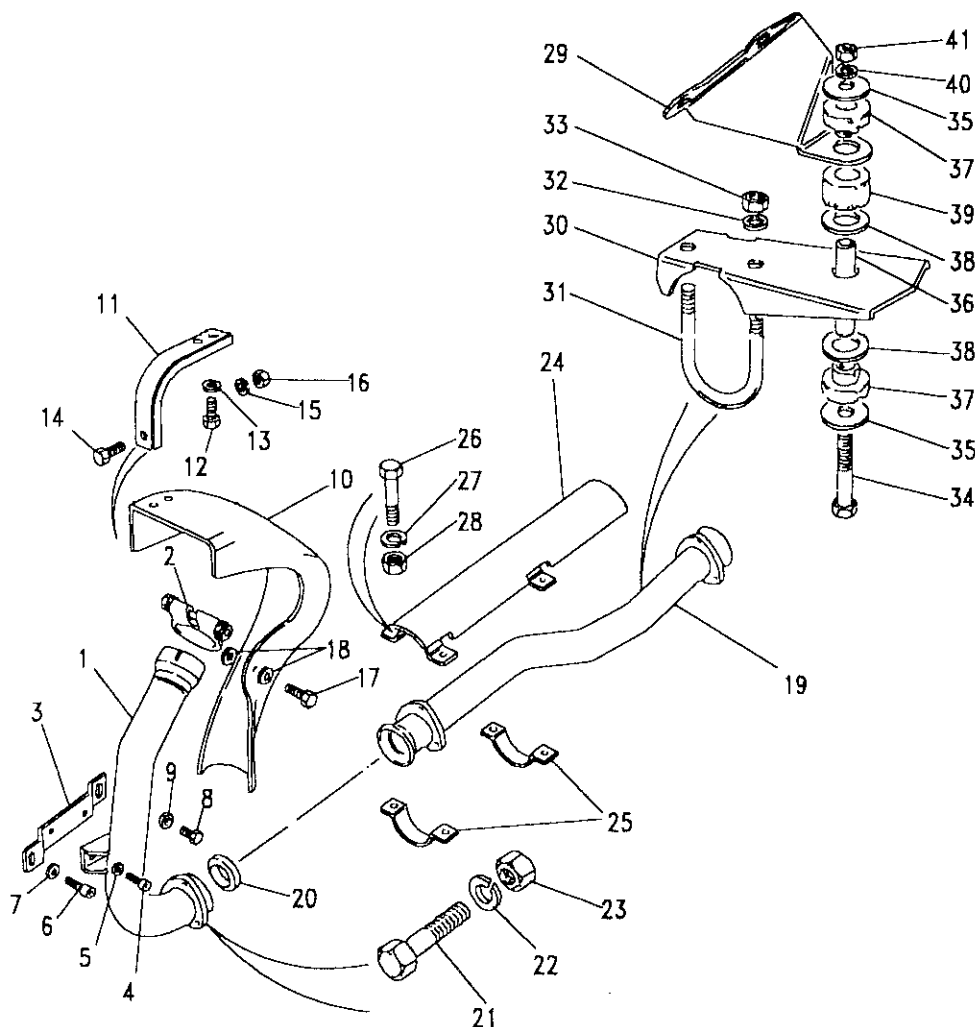


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EXHAUST SYSTEM - FRONT - DIESEL TURBO

III. Part No.	Description	Qty	Remarks
24	NTC5205	1	Heatshield slave cylinder
25	NTC2278	2	Clamp exhaust
26	FS108207L	4	Screw
27	WL108001L	4	Washer spring
28	FN108041L	4	Nut
29	ESR169	1	Bracket mounting
30	90575748	1	Clamp exhaust
31	NRC6374	1	U bolt
32	WL108001L	2	Washer spring
33	FN108041L	2	Nut
34	BH108141L	1	Bolt
35	WP105L	2	Washer plain
36	NRC5403	1	Spacer
37	572166	2	Bush rubber
38	572168	2	Washer
39	572167	1	Bush rubber
40	WL108001L	1	Washer spring
41	FN108041L	1	Nut

Note(1) Use Loctite 242 or similar





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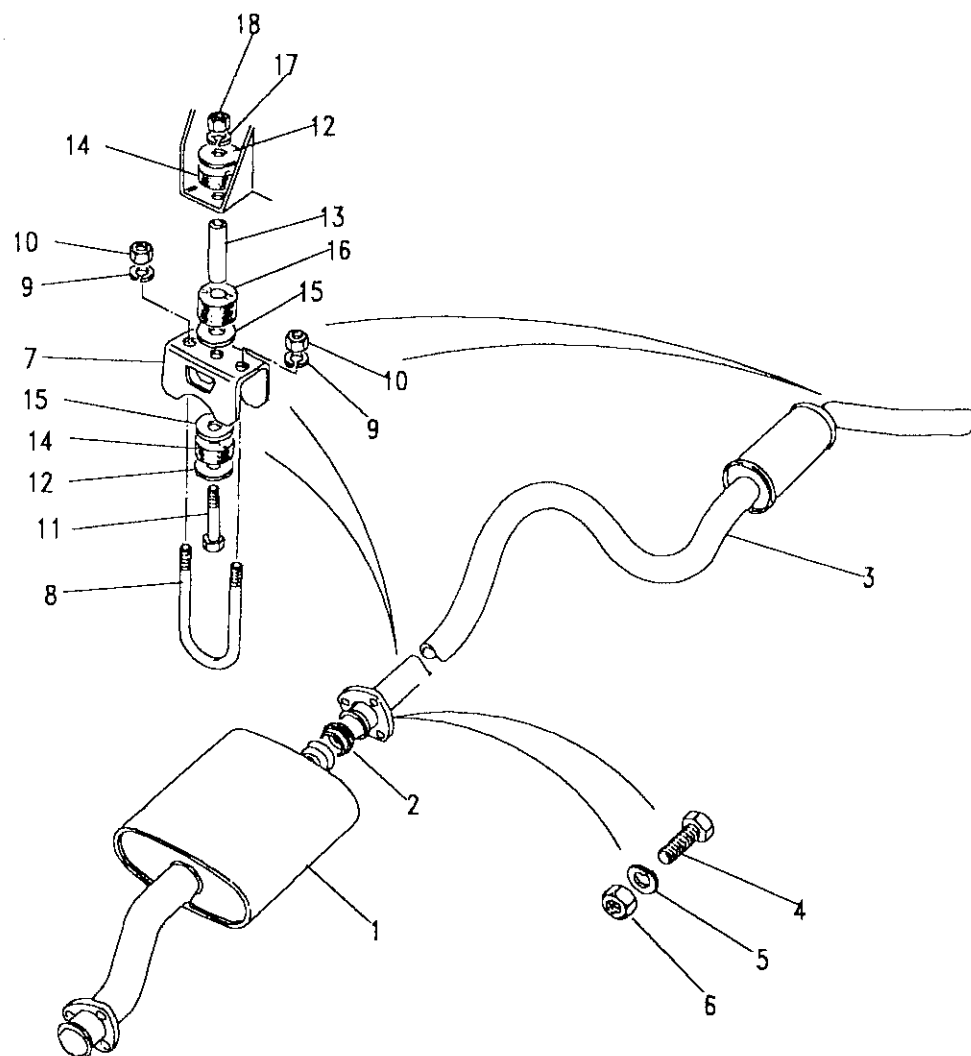
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EXHAUST SYSTEM

Model DEFENDER 110 1987 onwards

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EXHAUST SYSTEM - REAR - DIESEL TURBO



III. Part No.	Description	Qty	Remarks
1 NTC1666	Silencer exhaust	1	Front
2 NTC1030	Olive	1	
3 NTC2832	Silencer exhaust	1	Rear
4 BH108091L	Bolt	6	
5 WL108001L	Washer spring	6	
6 FN108041L	Nut	6	
7 NRC7608	Clamp exhaust	2	
8 NRC7609	U bolt	2	
9 WL108001L	Washer spring	4	
10 FN108041L	Nut	4	
11 SH108701	Screw	2	
12 WP105L	Washer	4	
13 NRC5403	Spacer	2	
14 572166	Bush rubber	4	
15 572168	Washer	4	
16 572167	Bush rubber	2	
17 WL108001L	Washer spring	2	
18 FN108041L	Nut	2	
Defender 130 RRC4419	Pipe exhaust extension	1	





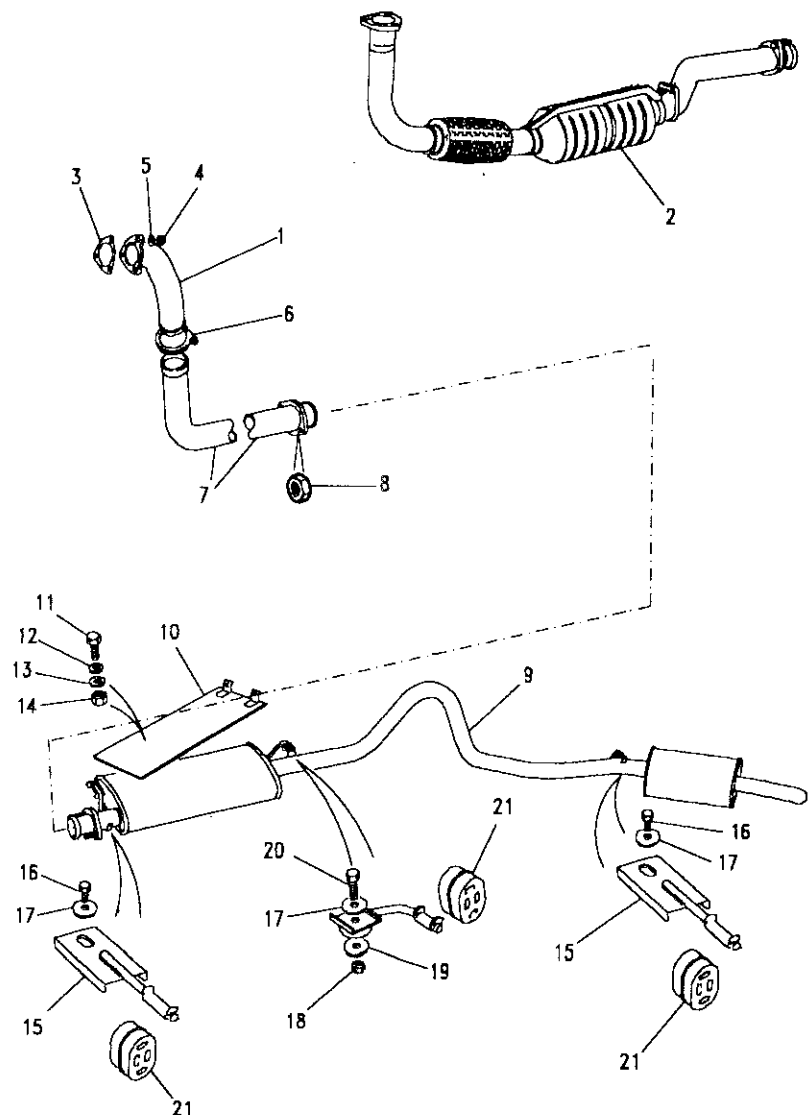
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EXHAUST SYSTEM

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EXHAUST SYSTEM - FRONT - TDI



III. Part No.	Description	Qty	Remarks
1 ESR158	Downpipe	1	Upto LA939975
ESR2297	Downpipe Non-Cat	1	From MA939976
2 ESR2739	Downpipe with cat	1	From MA939976
ESR3495	Downpipe with cat	1	Swiss only
3 NTC3608	Clamp exhaust	1	
4 ESR266	Bracket mounting	1	
ESR3260	Gasket exhaust	1	From MA939976
5 SS106161L	Screw socket	2	
6 WJ106001L	Washer plain	2	
7 SS108161L	Screw socket	1	
8 WA108051L	Washer plain	1	
9 SH110141L	Screw	1	
10 WA110061L	Washer plain	1	
11 NTC4833	Heatshield	1	
12 SH108141L	Screw	1	
13 WJ108001	Washer plain	2	
14 ESR219	Bracket support	1	
15 FS106167L	Screw	1	
16 WA106041L	Washer plain	1	
17 FS106167L	Screw	1	
18 WL106001	Washer spring	1	
19 NH106041L	Nut	1	
20 ESR361	Heatshield	1	
21 ESR208	Clamp exhaust	2	
22 FS108251L	Screw	4	
23 WL108001L	Washer spring	4	
24 FN108041L	Nut	4	



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EXHAUST SYSTEM - REAR - TDI

III. Part No.

Description

Qty Remarks

Except Defender 130

1	ESR54	Silencer exhaust	1	Upto LA939975
	ESR2383	Silencer exhaust	1	From MA939976
2	NV110041L	Nut	2	
3	ESR414	Bracket mounting	1	Front Note(1)
	ESR2087	Bracket mounting	1	Front Note(2)
4	NTC5582	Mounting rubber	1	Upto LA939975
	NTC3650	Mounting rubber	1	From MA939976
5	ESR359	Tail pipe	1	Upto LA939975
	ESR2384	Tail pipe	1	From MA939976
	ESR1696	Tail pipe	1	Australia
				Upto LA939975
				From MA939975
	ESR3152	Tail pipe	1	
6	NV110041L	Nut	2	
7	ESR360	Bracket mounting Inter	1	Note(1)
	ESR2215	Bracket mounting Inter	1	Note(2)
	ESR3294	Bracket mounting Inter	1	Note(3)
8	SH108251L	Screw	1	
9	WP185L	Washer plain	2	
10	NV108041L	Nut philidas	1	
11	NTC5582	Mounting rubber	1	Upto LA939975
	NTC3650	Mounting rubber	1	From MA939976
12	ESR95	Bracket mounting Rear	1	Upto MA948144
	ESR3293	Bracket mounting Rear	1	From MA948145
13	FS108251L	Screw	1	
14	WP185L	Washer plain	2	
15	NV108041L	Nut philidas	1	
16	NTC5582	Mounting rubber	1	
17	NTC2022	Finisher tail pipe	1	HCPU

Note(1)

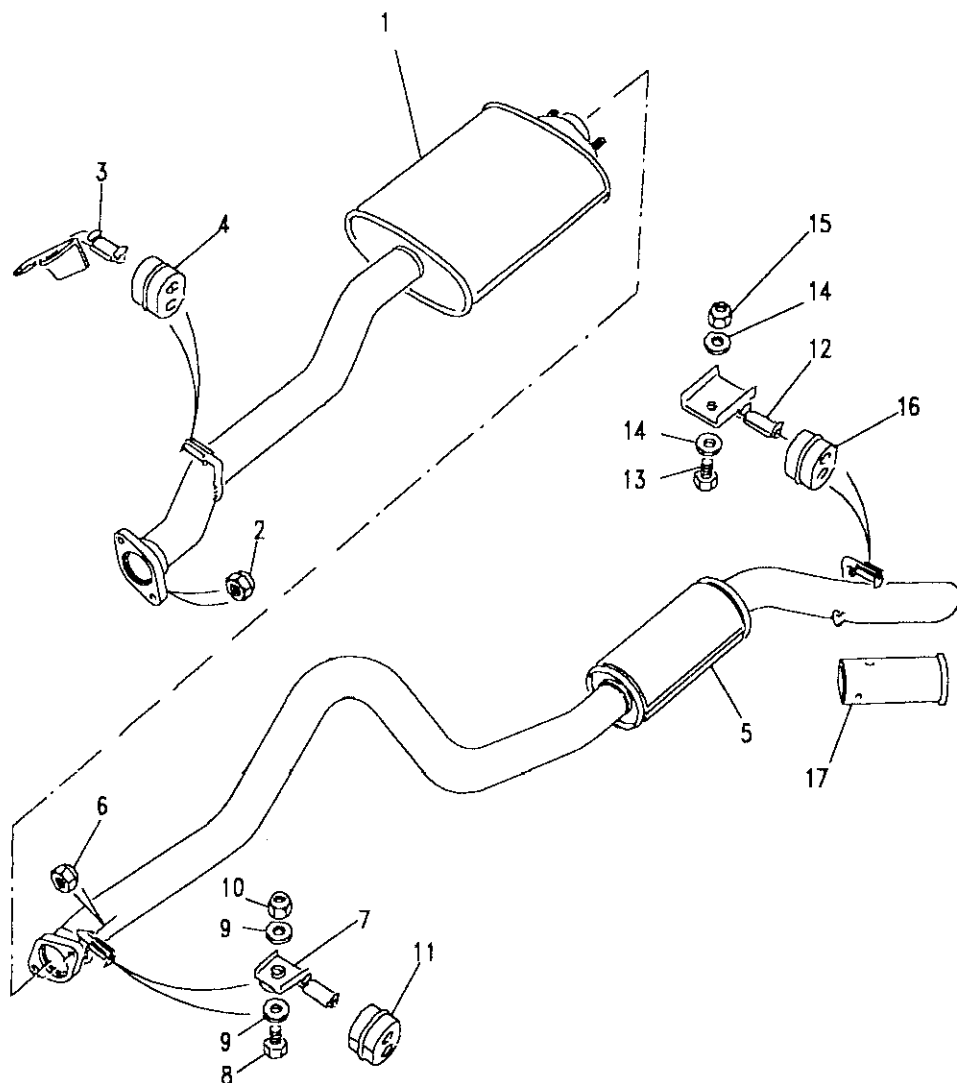
Up to LA939975

Note(2)

From MA939976 UptoMA948144

Note(3)

From MA948145



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EXHAUST SYSTEM - REAR - 200TDI

III. Part No.

Description

Qty Remarks

Defender 130

1	ESR255	Pipe extension	1	Upto LA939975
2	ESR2386	Pipe extension	1	From MA939976
3	NV110041L	Nut	2	
3	ESR414	Bracket mounting	1	Upto LA939975
4	ESR2087	Bracket mounting	1	From MA939976
4	NTC5582	Mounting rubber	1	Upto LA939975
	NTC3650	Mounting rubber	1	From MA939976
5	ESR439	Silencer	1	Upto LA939975
	ESR2385	Exhaust silencer main	1	From MA939976
6	NV110041L	Nut	2	
7	ESR359	Tail pipe	1	Upto LA939975
	ESR2384	Tail pipe	1	From MA939976
8	NV110041L	Nut	2	
9	ESR360	Bracket mounting	1	Note (1)
	ESR2215	Bracket mounting	1	Note (2)
	ESR3294	Bracket mounting	1	Note (3)
10	FS108251L	Screw	1	
11	WP185L	Washer plain	2	
12	NV108041L	Nut philidas	1	
13	NTC5582	Mounting rubber	1	Upto LA939975
	NTC3650	Mounting rubber	1	From MA939976
14	ESR95	Bracket mounting	1	Upto MA948144
	ESR3293	Bracket mounting	1	From MA948145
15	FS108251L	Screw	1	
16	WP185L	Washer plain	2	
17	NV108041L	Nut philidas	1	
18	NTC5582	Mounting rubber	1	
19	NTC2022	Finisher tail pipe	1	HCPU

Note(1)

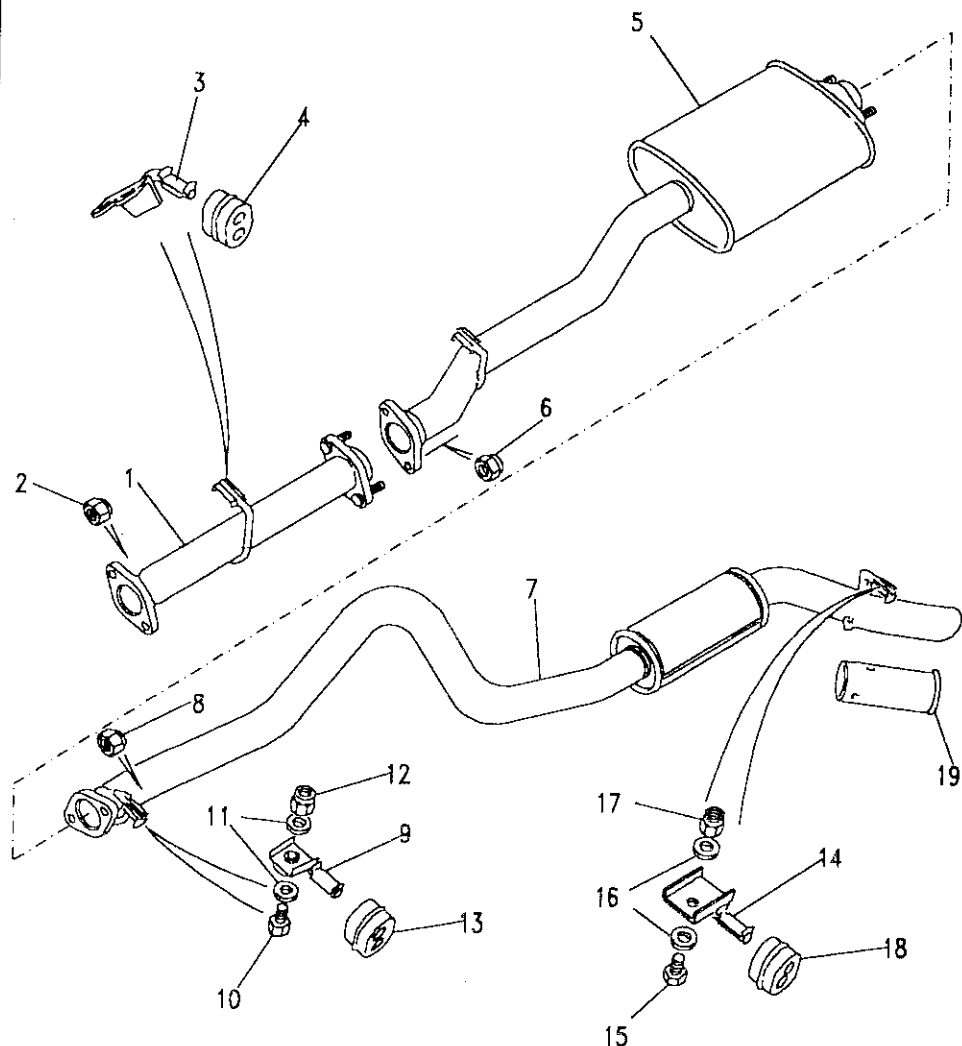
Up to LA939975

Note(2)

From MA939976 UptoMA948144

Note(3)

From MA948145





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GROUP L

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COOLING/HEATING

GROUP L

COOLING/HEATING

COOLING/HEATING

FLUID SYSTEM - RHS

VACUUM PIPES & RESERVOIR - RHS/LHS

HEATER PIPES - 4 CYLINDER - RHS

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GROUP L

COOLING/HEATING

COOLING/HEATING

FRESH AIR DUCT - RHS

PLENUM 659 DEFROSTERS - RHS

FACIA PANEL ASSEMBLY - RHS

FRESH AIR DUCT - LHS

AIR DUCT INSULATION - LHS

HEATER CONTROLS - LHS

PLENUM CHAMBER - LHS

FACIA PANEL - LHS

DEMISTER AND FLAPS

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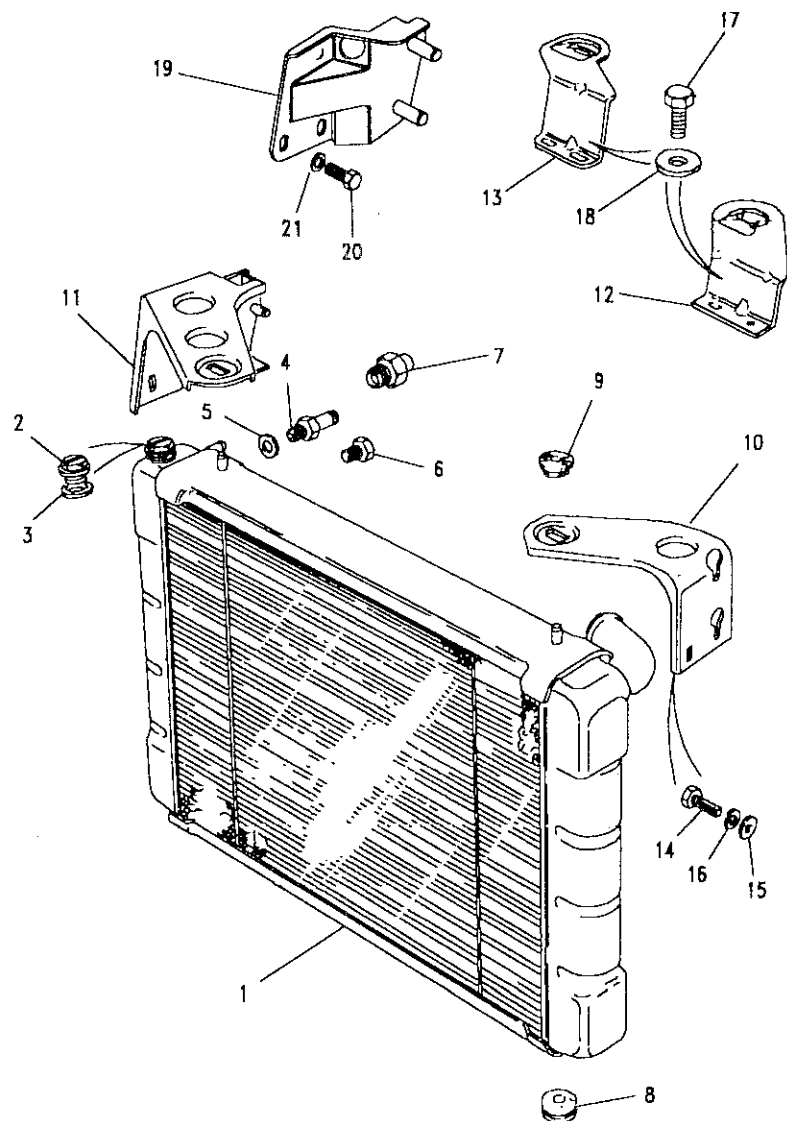
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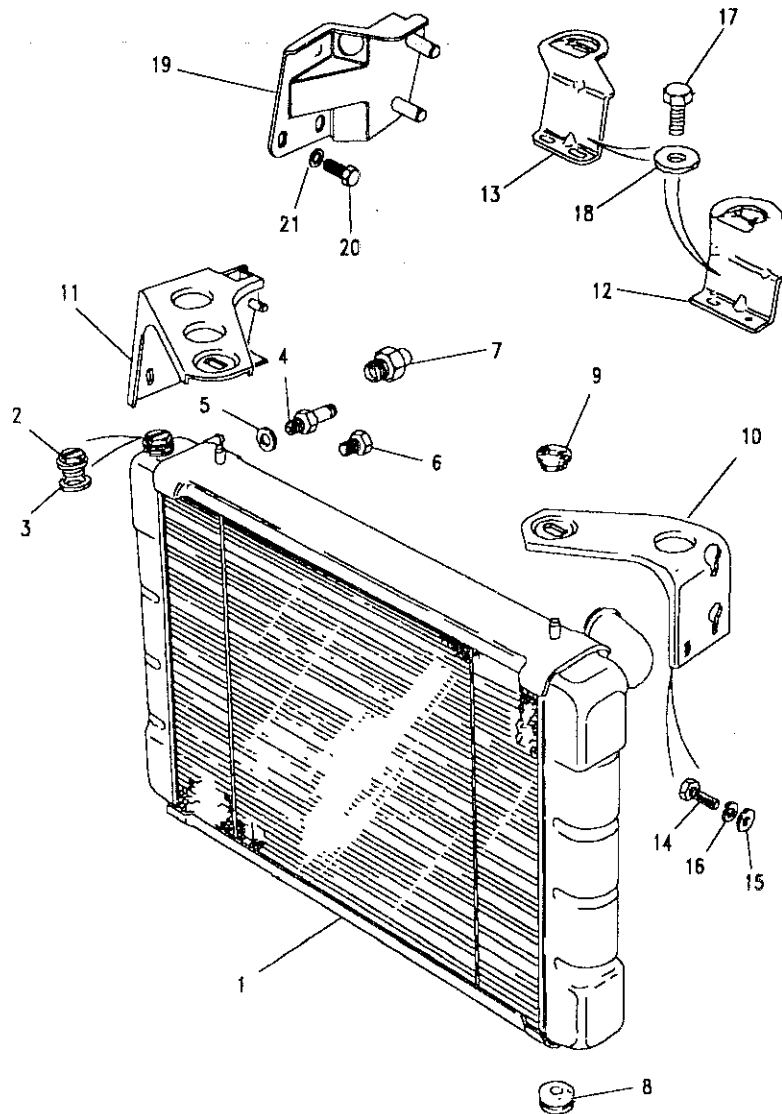


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COOLING SYSTEM - RADIATOR

III. Part No.	Description	Qty	Remarks
2.5 Petrol			
1 ESR79	Radiator	1	Upto VIN FA389798
ESR77	Radiator	1	From VIN FA389981
ESR78	Radiator	1	Note(1) From VIN FA389799 Upto VIN JA919831
ESR1677	Radiator	1	Note(1) From VIN JA919832
V8 Petrol			
1 ESR76	Radiator	1	Upto VIN FA428918
ESR203	Radiator	1	From VIN FA428919
ESR204	Radiator	1	Note(1) From VIN FA429128 Upto VIN JA922098
ESR1678	Radiator	1	Note(1) From VIN JA919099
Diesel			
1 ESR79	Radiator	1	Upto VIN FA389798
ESR77	Radiator	1	From VIN FA389981
ESR78	Radiator	1	Note(1) From VIN FA389799 Upto VIN JA919831
ESR1677	Radiator	1	Note(1) From VIN JA919832

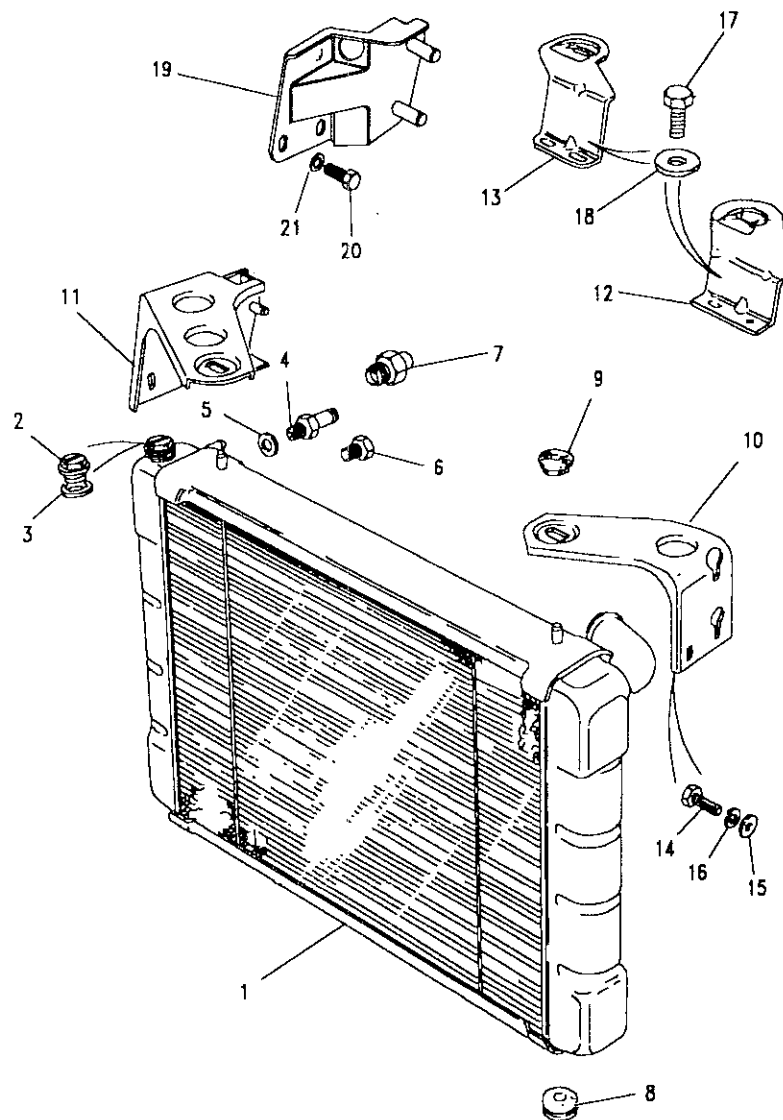




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COOLING SYSTEM - RADIATOR

III. Part No.	Description	Qty	Remarks
Diesel Turbo			
1 NTC6168	Radiator	1	Note(1)
200Tdi			
1 NTC4893	Radiator	1	Note(2)
ESR1676	Radiator	1	Upto VIN JA919831 Note(2) From VIN JA919832
2 NTC4609	Filler plug	1	
3 NTC5171	Washer sealing	1	
4 KTP9024	Vent penthouse	1	V8
5 RRO2125L	Washer	1	
6 RRO2126L	Plug	1	Except V8
7 NTC3858	Adaptor	2	Diesel Turbo
8 572312	Bush radiator mounting	2	Lower
9 NRC5544	Bush radiator mounting	2	Upper



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Page AFLXAA1A

COOLING SYSTEM - RADIATOR

III. Part No.	Description	Qty	Remarks
10	NRC4839	1	Upto 4/3/92
11	NRC8609	1	Upto 4/3/92
12	ESR69	1	From 5/3/92
	ESR68	1	From 5/3/92
13	ESR282	1	200Tdi
	ESR283	1	200Tdi
14	FS106201L	6	Upto 4/3/92
15	WC106041L	6	Upto 4/3/92
16	WL106001L	6	Upto 4/3/92
17	SH106207L	4	From 5/3/92
18	WC106047	4	From 5/3/92
	SH106207L	4	200Tdi
	WC106047	4	200Tdi
19	ALR1982	1	From VIN JA910952
20	SH106207L	3	From VIN JA910952
21	WC106047	3	From VIN JA910952

Note(1) Includes oil cooler for engine

Note(2) Includes oil cooler for engine and intercooler for turbo charger

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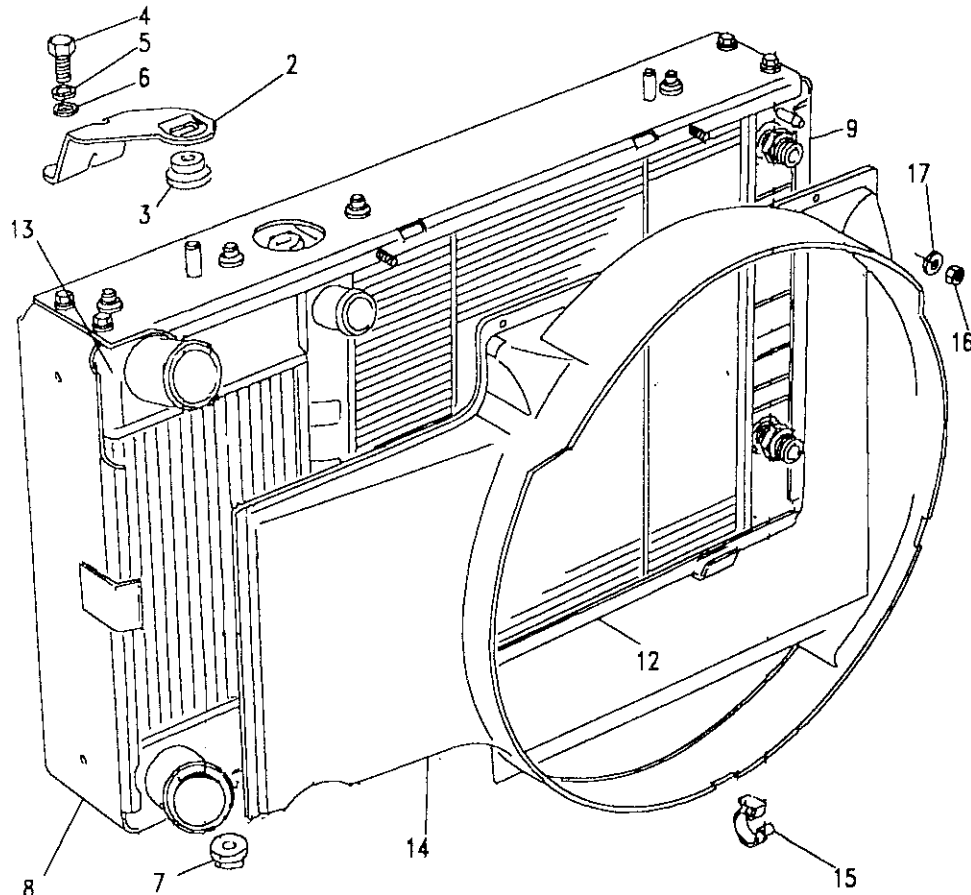
Page AFLXAA1B

COOLING SYSTEM - RADIATOR, INTERCOOLER & OIL COOLER - 300TDI

III. Part No. Description Qty Remarks

Radiator and intercooler

1	ESR2727	Radiator/intercooler assy	1
2	ESR282	Bracket mounting upper LH	1
	ESR283	Bracket mounting upper RH	1
3	NRC5544	Grommet pad	2
4	SH106205	Screw M6	4
5	WM600041L	Washer spring	4
6	WC106045	Washer plain	4
7	572312	Bush radiator/chassis	2
8	BTP1826	Frame side LH	1
9	BTP1827	Frame side RH	1
10	BTP2275	Radiator block	1
11	BTP2282	Frame top radiator	1
12	BTP2284	Frame bottom radiator	1
13	FTP8030	Intercooler	1
14	ESR2308	Cowl fan	1
15	ESR1800	Clip edge	2
16	NH105041	Nut M5	2
17	WA105001	Washer plain	2





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COOLING/HEATING

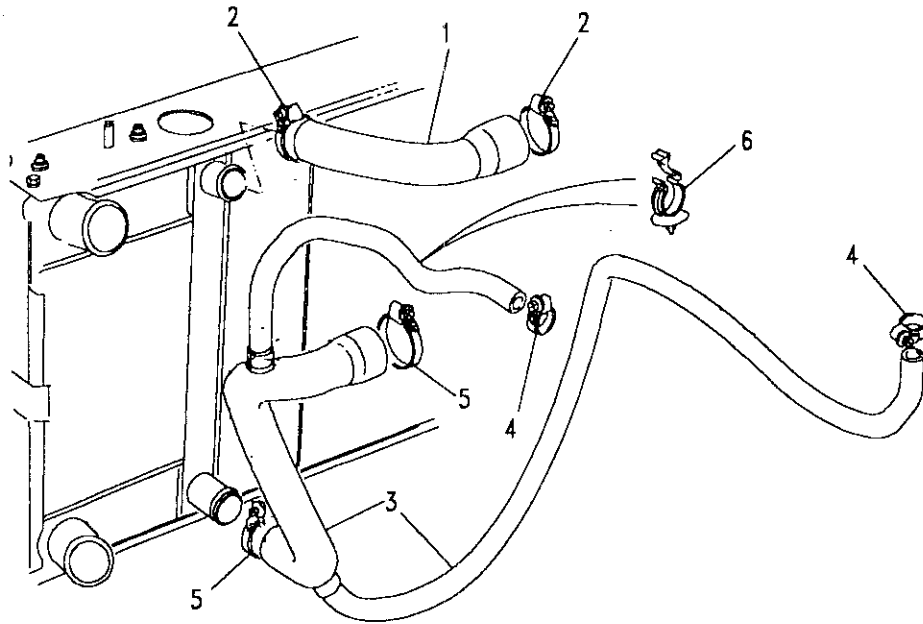
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COOLING SYSTEM - RADIATOR, INTERCOOLER & OIL COOLER - 300TDI

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

Radiator hoses

1	ESR2298	Hose top	1
2	CN100508	Clip hose	2
3	ESR3121	Hose assembly bottom	1
4	CN100308	Clip hose	2
5	CN100508	Clip hose	2
6	ESR2662	Clip hose	2



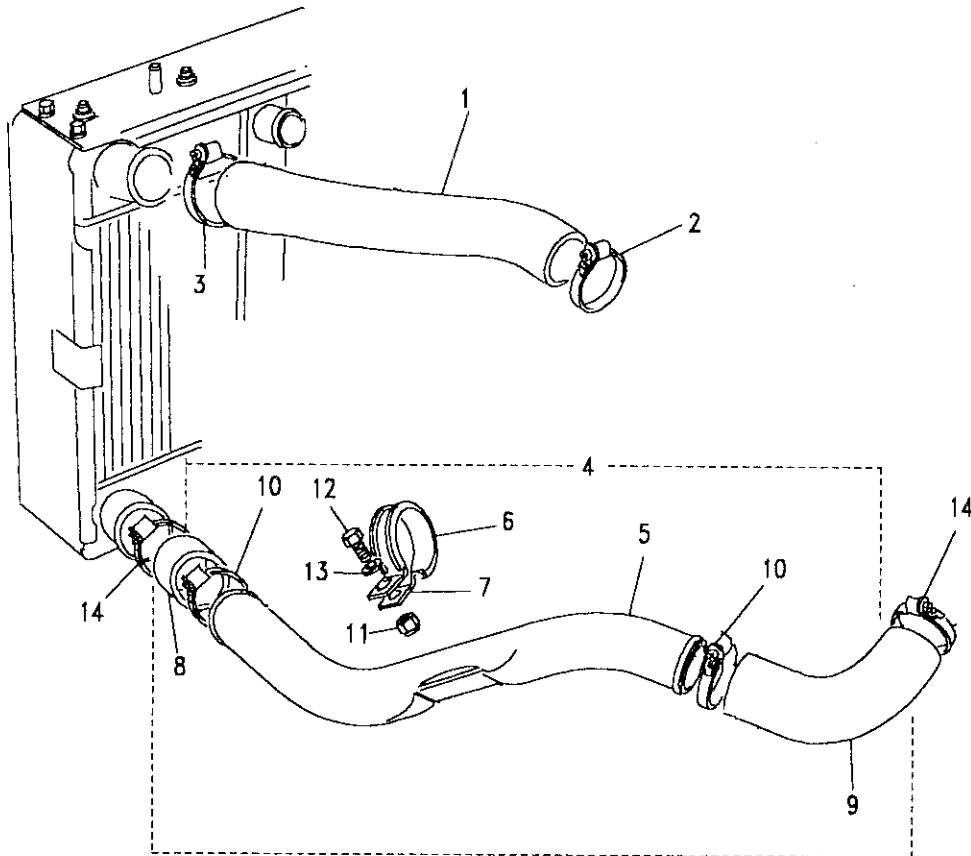
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COOLING SYSTEM - RADIATOR, INTERCOOLER & OIL COOLER - 300TDI

III. Part No. Description Qty Remarks

Intercooler hoses

1	ESR2309	Hose intercooler/manifold	1
2	CN100608	Clip hose	1
3	CN100708	Clip hose	1
4	ESR2728	Pipe assy i'cooler/turbo	1
5	ESR2055	Pipe intercooler/turbo	1
6	ESR2119	Mounting rubber	1
7	ESR2120	Bracket mounting	1
8	ESR2729	Hose pipe/intercooler	1
9	ESR2730	Hose turbo/pipe	1
10	CN100608	Clip hose	2
11	NY108041	Nut nyloc M8	1
12	SH108161	Screw M8	1
13	WA108041	Washer plain	1
14	CN100608	Clip hose	2





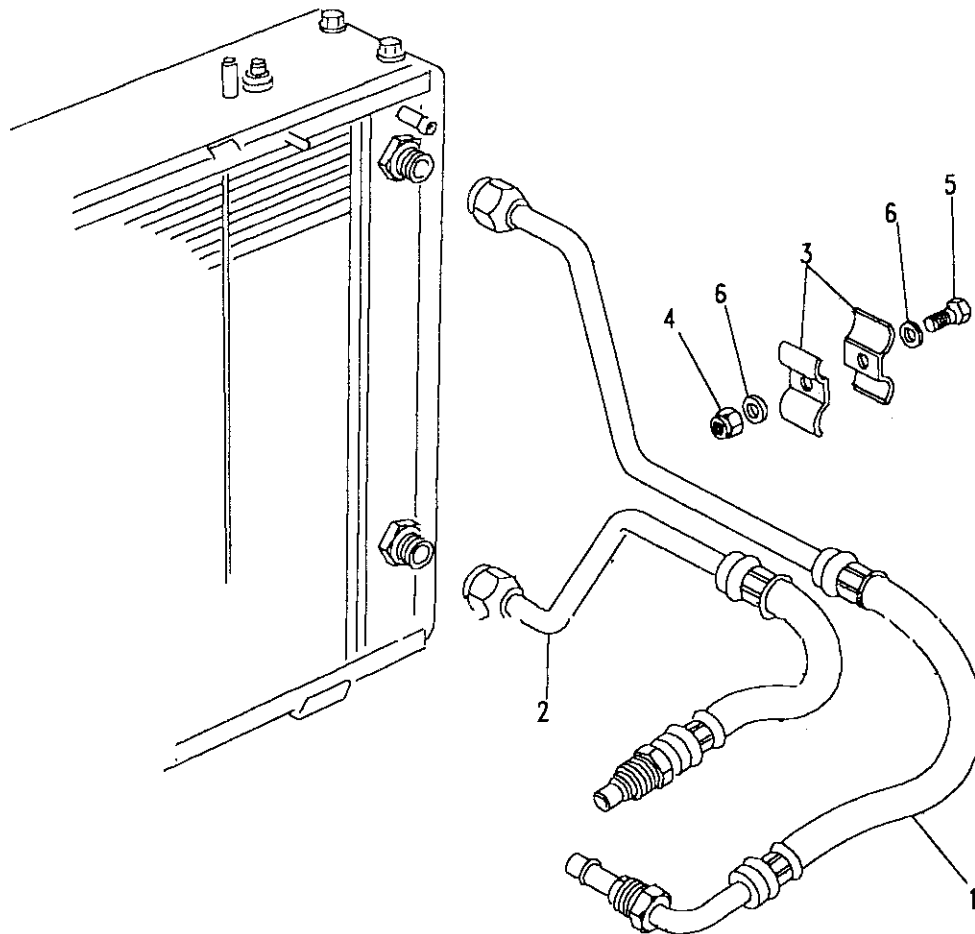
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COOLING SYSTEM - RADIATOR, INTERCOOLER & OIL COOLER - 300TDI

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

Oil cooler hoses

1	ESR1931	Pipe cooler to engine	1
2	ESR2629	Pipe engine to cooler	1
	ESR1594	O Ring	4
3	NTC6847	Clamp saddle	2
4	NY106041	Nut nyloc M6	1
5	SH106161	Screw M6	1
6	WA106041	Washer plain	2



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COOLING SYSTEM - FAN COWL

III. Part No.

Description

Qty Remarks

2.5 Petrol

1\ NRC3662
NTC3937

Cowl fan-radiator
Cowl fan-radiator

1 Upto VIN FA389798
1 From VIN FA389799

V8 Petrol

1 NRC3406
NTC5685

Cowl fan-radiator
Cowl fan-radiator

1 Upto VIN FA428918
1 From VIN FA428919

Diesel

1 NRC3977
NTC3937

Cowl fan-radiator
Cowl fan-radiator

1 Upto VIN FA389798
1 From VIN FA389799

Diesel Turbo

1 NTC3937

Cowl fan-radiator

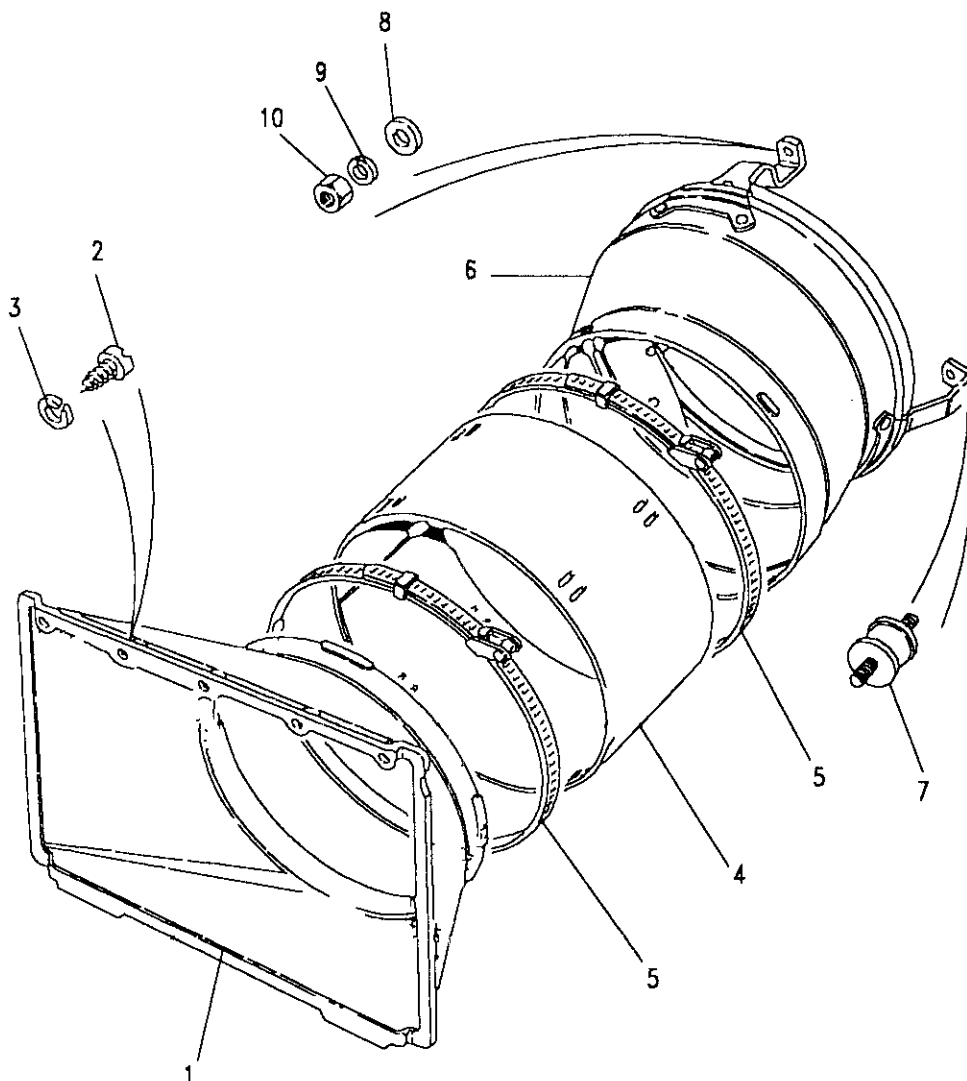
1

200Tdi

1 ESR335

Cowl fan-radiator

1



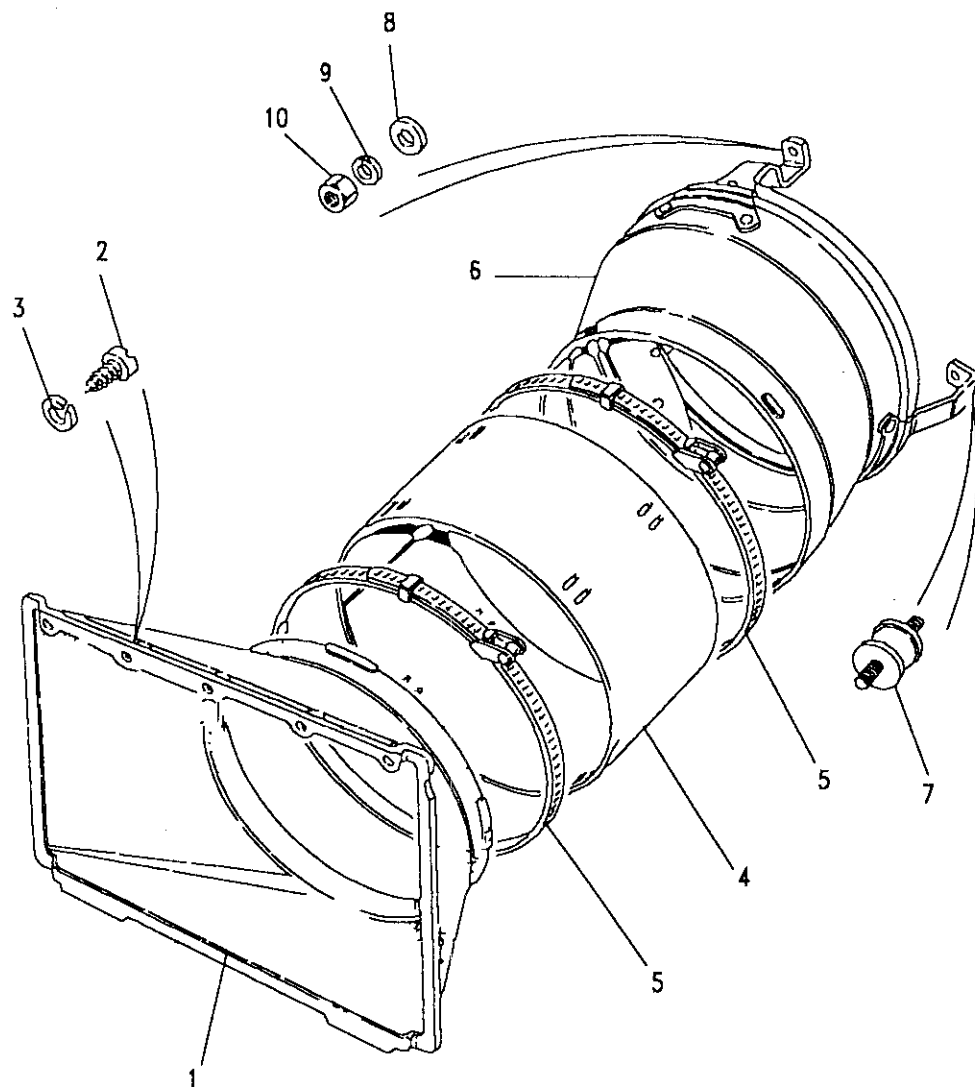


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COOLING SYSTEM - FAN COWL

III. Part No.	Description	Qty	Remarks
2 562979	Screw	5	Upto VIN FA389798
562979	Screw	4	From VIN FA389799
3 WS600041L	Washer spring	5	Upto VIN FA389798
WS600047L	Washer spring	4	From VIN FA389799
595199	Washer plain	2	Diesel
			From VIN FA389799
WS105001	Washer spring	2	200Tdi
NH105041L	Nut	2	200Tdi
4 NRC7227	Ducting	1	4 Cylinder
5 NRC6430	Clip retaining	2	4 Cylinder
6 ETC4989	Cowl fan-engine	1	4 Cylinder
7 ETC4993	Mounting flexible	3	
8 WA108051L	Washer plain	2	
9 WL108001L	Washer spring	6	
10 FN108041L	Nut	5	

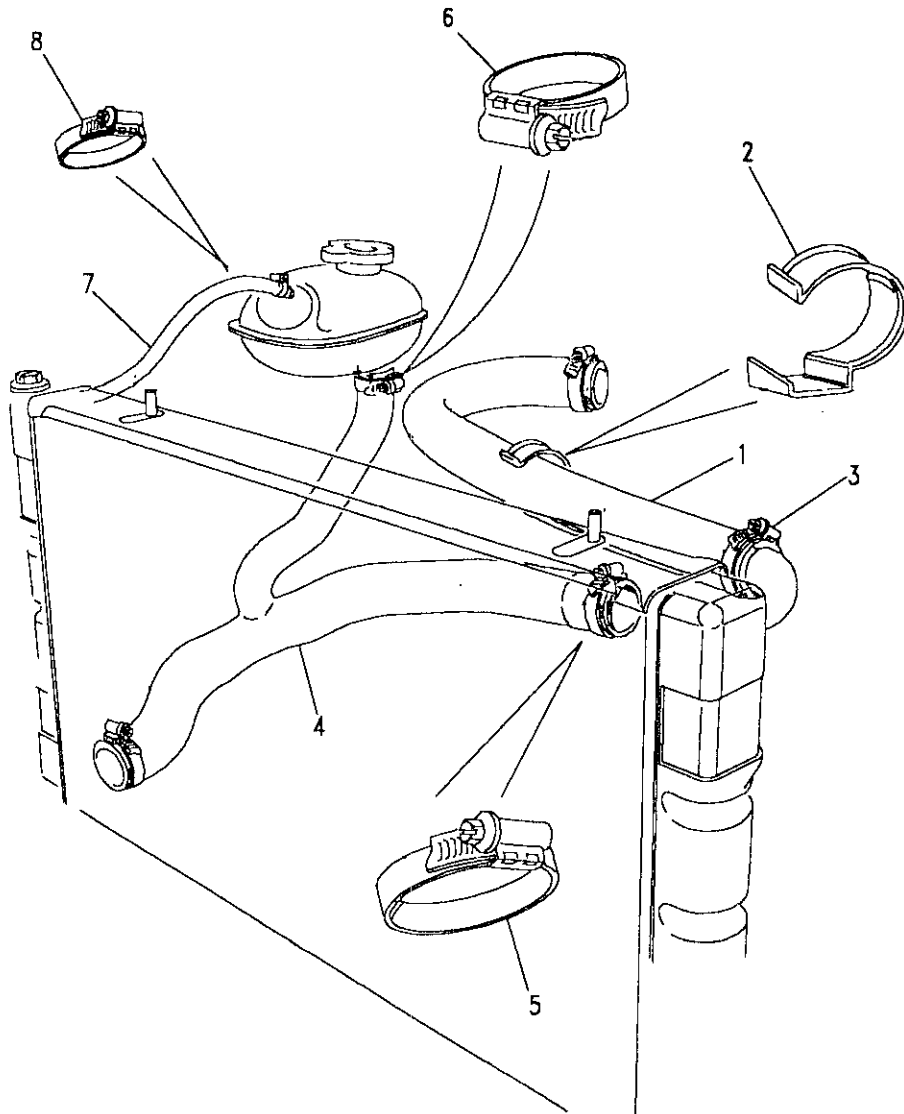
Note(1) UK and Europe
Note(2) Rest of World(Heavy Duty)



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COOLING SYSTEM - RADIATOR HOSES

III. Part No.	Description	Qty	Remarks
2.5 Petrol and Diesel			
1 NTC2029	Hose top	1	Upto VIN FA389798
ESR2125	Hose top	1	From VIN FA389799
Diesel Turbo			
1 ESR2125	Hose top	1	
2 NRC7448	Clip retaining	1	
3 CN100508	Clip hose	2	
4 NTC3453	Hose bottom	1	
5 CN100508	Clip hose	2	
6 CN100308L	Clip hose	1	
7 NRC9726	Hose bleed	1	
NTC2736	Hose bleed	1	Diesel turbo
8 AAU1979	Clip hose	2	





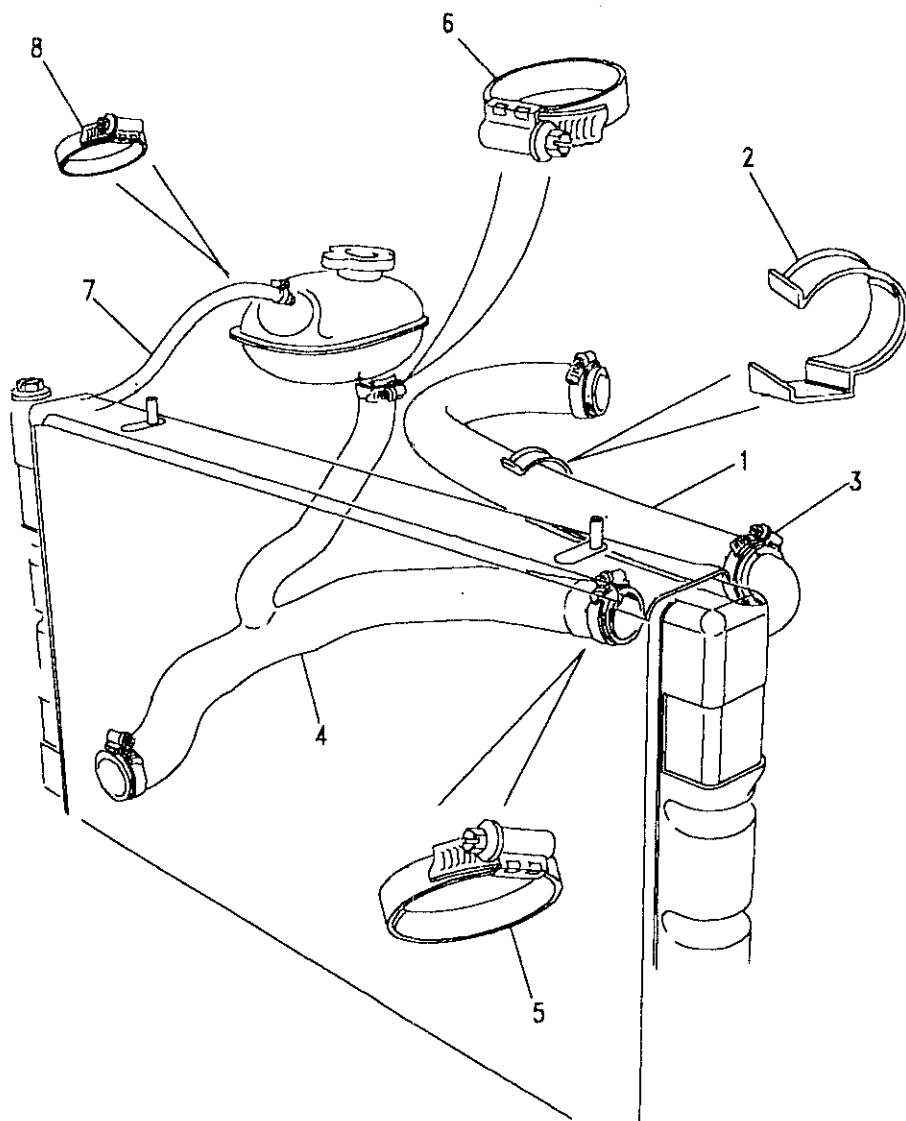
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COOLING SYSTEM - RADIATOR HOSES

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

Air con vehicles upto engine number 17H07705C

NRC4842	Hose bottom	1	To engine
NRC4844	Hose bottom	1	To radiator
NRC4843	Tee piece	1	
CN100508	Clip hose	4	
NRC4837	Hose expansion tank	1	Diesel
NRC5503	Hose expansion tank	1	Petrol
CN100408	Clip hose	2	

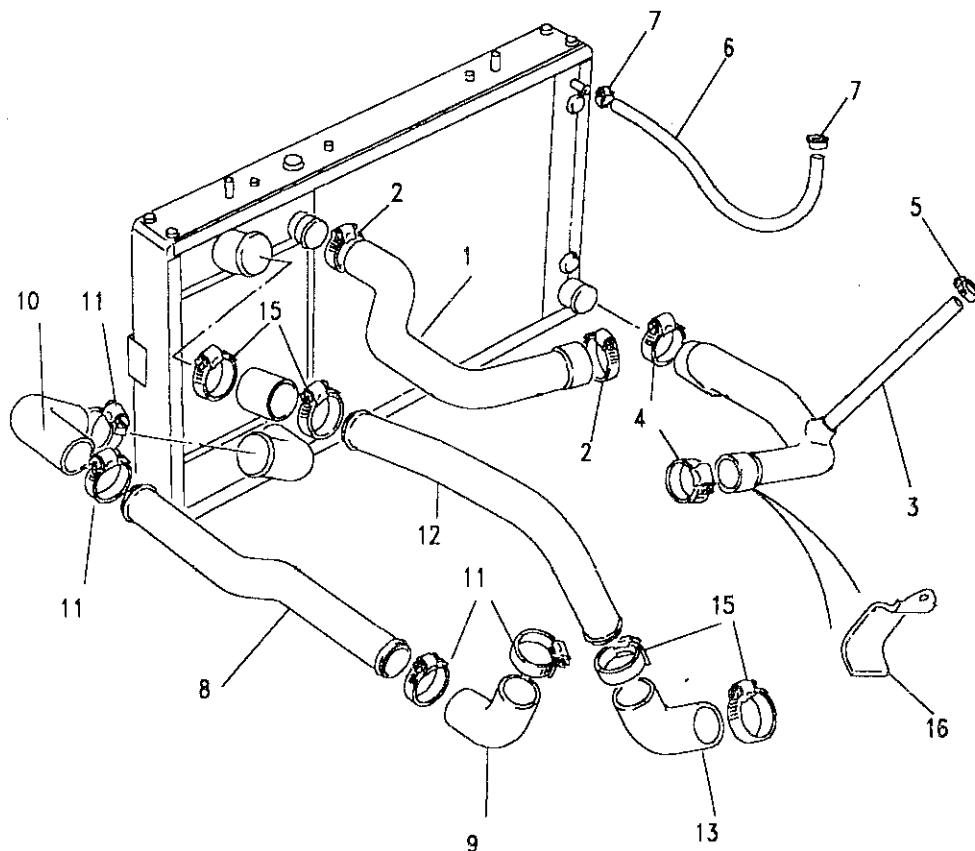


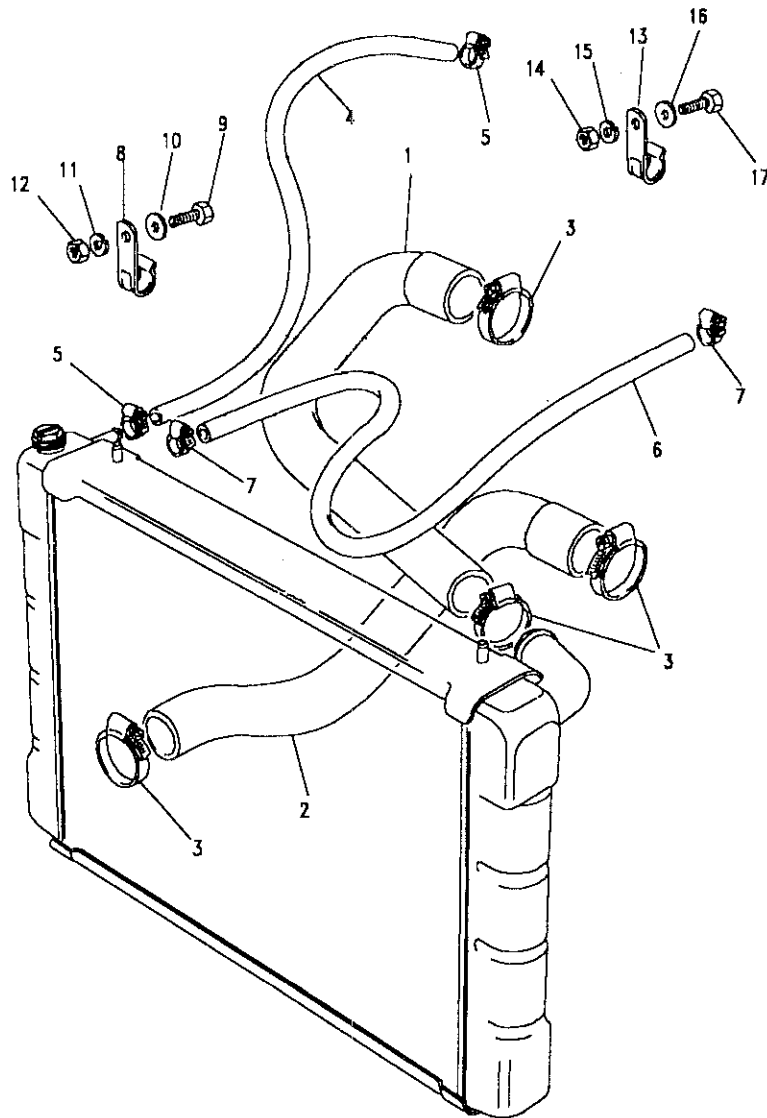
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COOLING SYSTEM - RADIATOR & INTERCOOLER HOSES - 200TDI

Ill. Part No.	Description	Qty	Remarks
1 NTC4895	Hose top	1	
2 CN100508	Clip hose	2	
3 ESR536	Hose bottom	1	Non Air Con
4 ESR1686	Hose bottom	1	Air Con
5 CN100508	Clip hose	2	
6 CN100308	Clip hose	1	
7 CN100308L	Clip hose	1	
8 NTC4898	Hose bleed	1	
9 CN100208L	Clip hose	2	
Turbo to intercooler			
10 NTC5628	Pipe intercooler	1	
11 ESR299	Hose elbow	1	Upto VIN JA915341
12 ESR1906	Hose elbow	1	From VIN JA915342
13 ESR298	Hose elbow	1	
14 CN100608L	Clip hose	4	
Intercooler to manifold			
15 NTC5627	Pipe intercooler	1	
16 ESR299	Hose elbow	1	Upto VIN JA915341
17 ESR1906	Hose elbow	1	From VIN JA915342
18 ESR289	Hose	1	
19 CN100608L	Clip hose	4	
20 ESR400	Bracket bottom hose	1	Air con

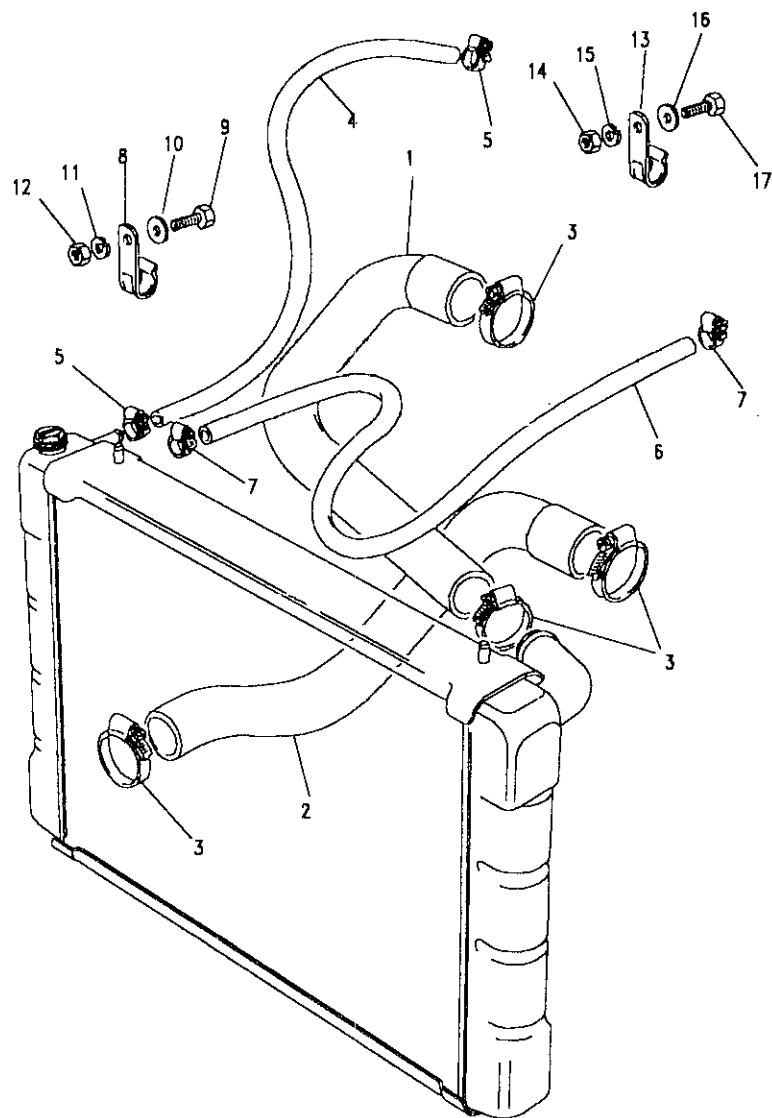




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COOLING SYSTEM - RADIATOR HOSES - V8

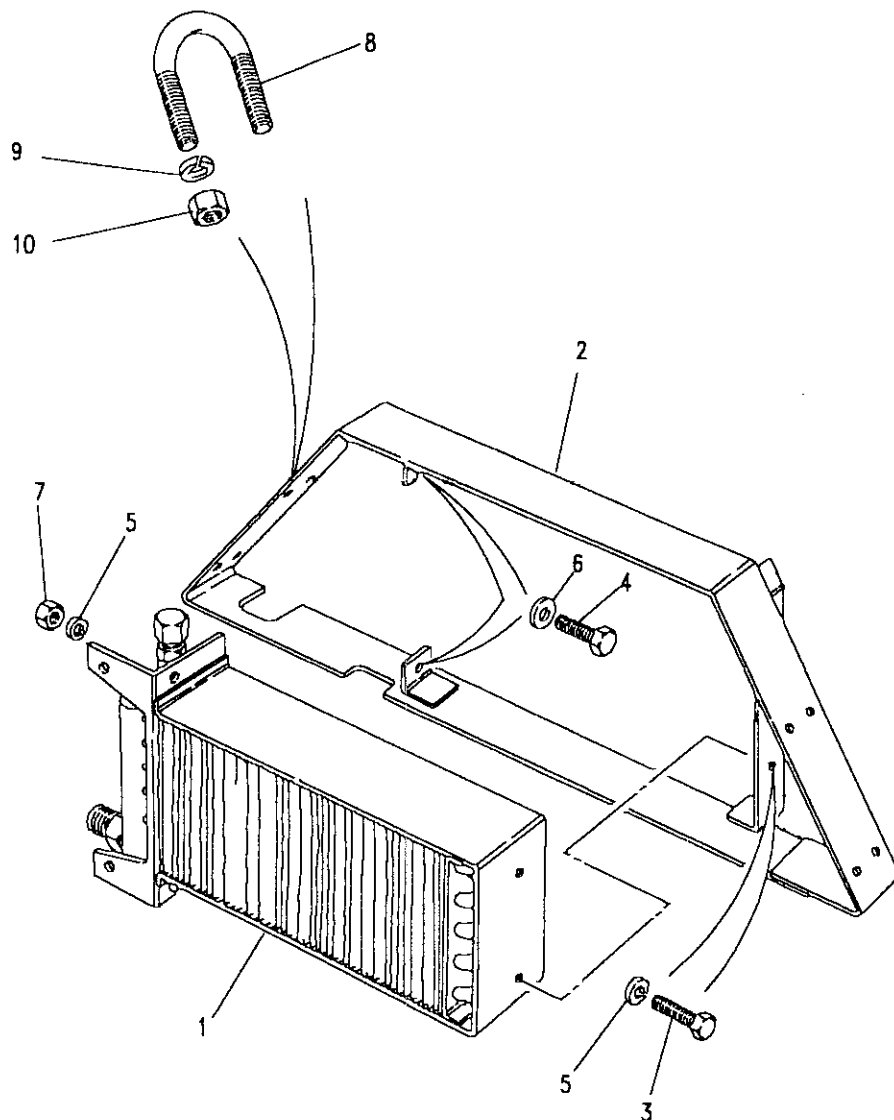
III. Part No.	Description	Qty	Remarks
1 NRC5985	Hose top	1	Non air con
NTC5686	Hose top	1	Upto VIN FA428918
NRC9710	Hose top	1	Non air con
NTC5687	Hose top	1	From VIN FA428919
2 NTC3543	Hose bottom	1	Air con
3 CN100508	Clip hose	4	Upto VIN FA429127
4 NRC9726	Hose bleed	1	Air con
NTC2736	Hose bleed	1	From VIN FA429128
5 AAU1979	Clip hose	2	When oil cooler fitted
6 90575977	Hose bleed	1	Penthouse
7 AAU1979	Clip hose	2	



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COOLING SYSTEM - RADIATOR HOSES - V8

III. Part No.	Description	Qty	Remarks
8 NRC2383	Clip retaining	1	
9 FS106201L	Flange screw	1	
10 WA106041L	Washer plain	1	
11 WM106001L	Washer spring	1	
12 NH106041L	Nut	1	
Non air con			
13 239600	Clip retaining	1	Penthouse bleed
14 FS108201L	Screw	1	Penthouse bleed
15 WA108051L	Plain Washer	1	
16 WL108001L	Spring Washer	1	
17 FN108041L	Nut	1	



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ENGINE OIL COOLER - OIL COOLER AND MOUNTING FRAME

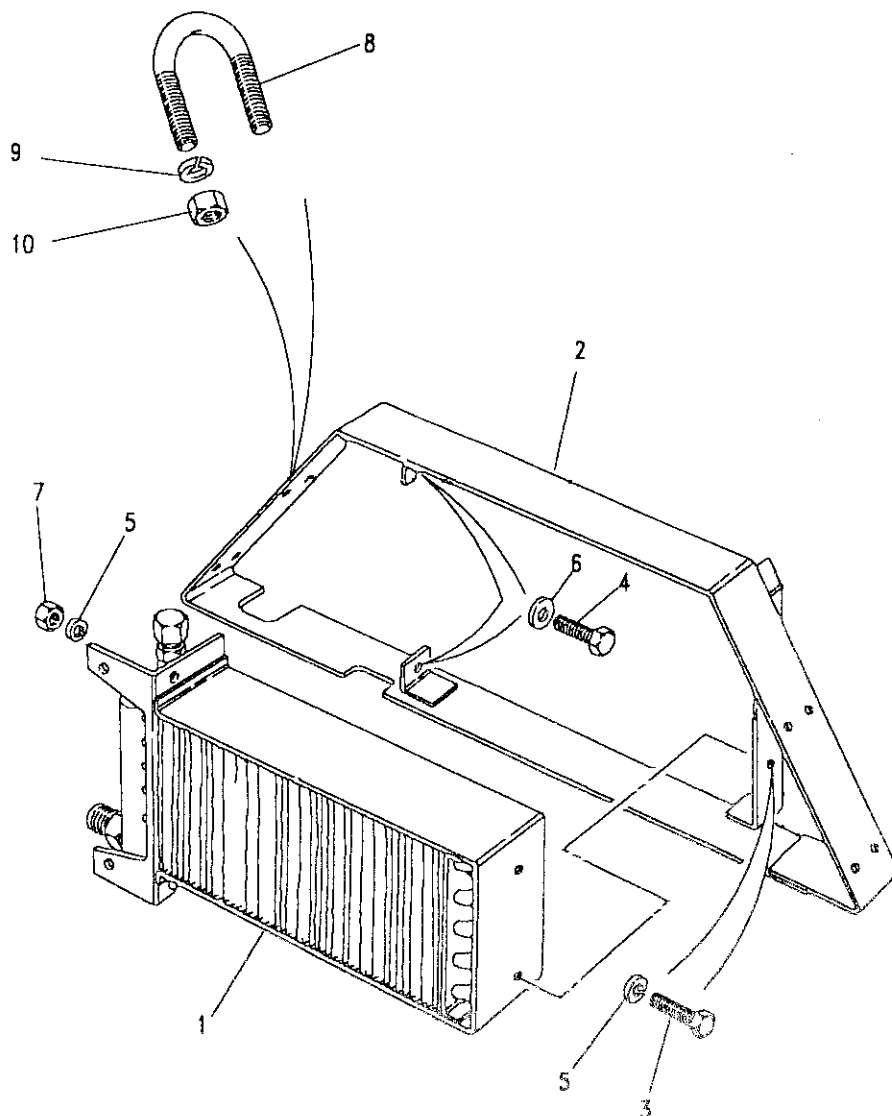
III. Part No.	Description	Qty	Remarks
4 Cylinder Petrol			
1 NRC7741	Oil cooler	1	Upto VIN FA389798 Note(1)
Diesel			
1 NRC7741	Oil cooler	1	Upto VIN FA389798 Note(1)
Diesel Turbo			
1	Oil cooler		Note(2)
V8 - Non Air Con			
1 NRC7741	Oil cooler	1	Upto VIN FA429127 Note(3)
V8 - Air con			
1 NRC8201	Oil cooler	1	Upto VIN FA429127 Note(3)

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ENGINE OIL COOLER - OIL COOLER AND MOUNTING FRAME

III. Part No.	Description	Qty	Remarks
2	NRC7458	1	)
3	SH106121L	2	)
4	FS106161	2	)
5	WL106001L	4	)Upto VIN
6	WA106041L	2	)FA429127
7	NH106041L	2	)Except
8	NRC7459	4	)Air Con
9	WL106001L	8	)
10	NH106041L	8	)
	SH106121L	2	)Upto VIN
	WL106001L	4	)FA429127
	NH106041L	2	)Air Con

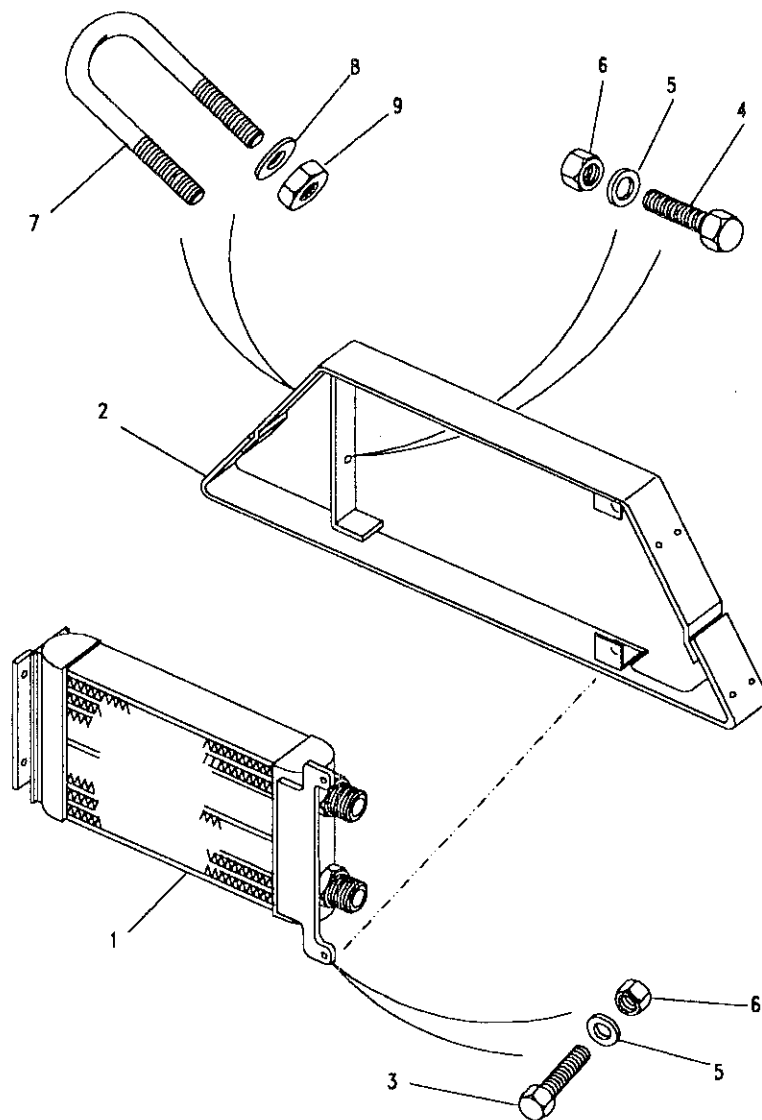
Note(1) From VIN FA389799 - Engine oil cooler is part of radiator
Note(2) Diesel Turbo - Engine oil cooler is part of radiator
Note(3) From VIN FA429128 - Engine oil cooler is part of radiator



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GEARBOX OIL COOLER - COOLER AND FRAME - V8 LT77 GEARBOX

III. Part No.	Description	Qty	Remarks
1 ESR488	Oil cooler	1	Upto JA922091
ESR1554	Oil cooler	1	From JA922092
2 ESR489	Frame mounting	1	
3 FS106167I	Screw	2	
4 SH106121L	Screw	2	
5 WA106041L	Washer plain	4	
6 NH106041L	Nut	4	
Non Air Con			
7 NRC7459	U bolt	4	
8 WA106041L	Washer plain	8	
9 NH106041L	Nut	8	

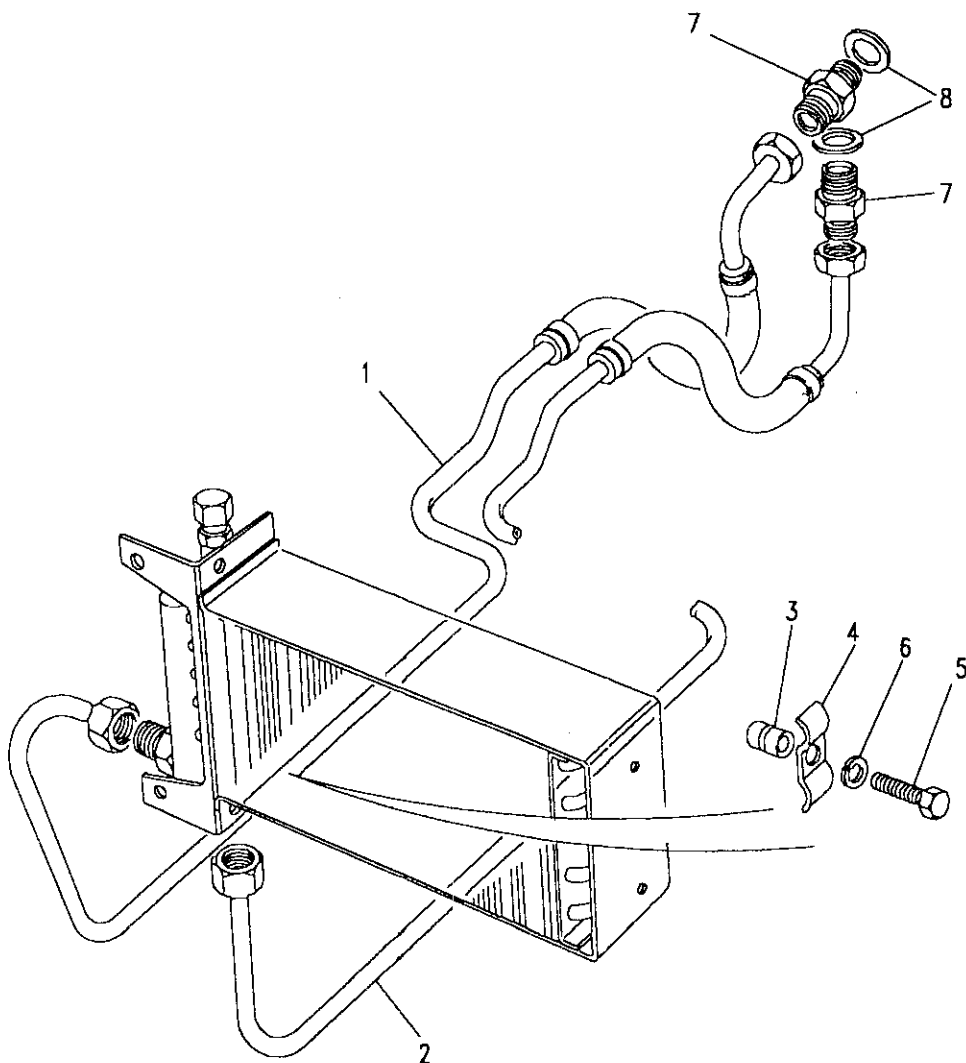


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ENGINE OIL COOLER - PIPES - NOTE(1)

III. Part No.	Description	Qty	Remarks
1 NRC8507	Pipe assembly feed	1	
NRC8509	Pipe assembly feed	1	Air con
2 NRC8508	Pipe assembly return	1	
NRC8510	Pipe assembly return	1	Air con
3 NN106011	Nutsert	1	
4 594637	Clamp pipe	1	
5 FS106167L	Screw	1	
6 WL106001L	Washer spring	1	
7 NRC8618	Coupling	2	
8 ETC7398	Washer copper	2	

Note(1) 2.5 Petrol and Diesel - Upto VIN FA389798



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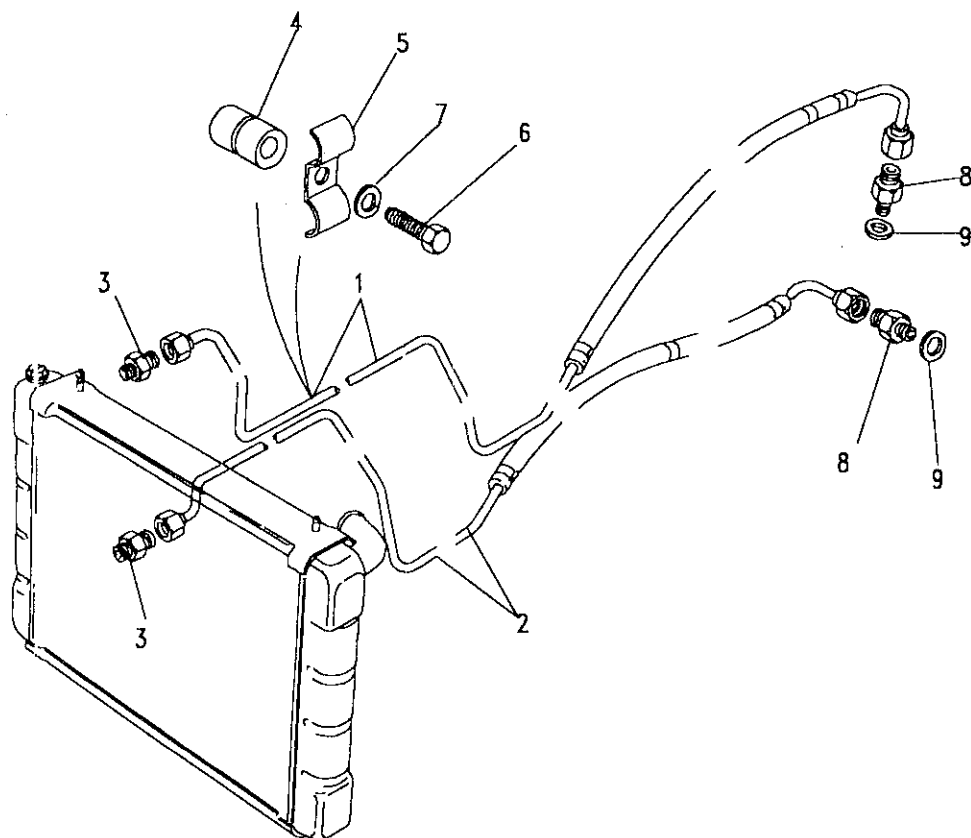
ENGINE OIL COOLER - PIPES

III. Part No. Description Qty Remarks

Diesel Turbo and 200Tdi

2.5 Petrol and Diesel Nat Asp - From VIN FA389799

1	NTC2927	Pipe assembly feed	1	Upto VIN FA430172
	ESR71	Pipe assembly feed	1	From VIN FA430173
				Upto VINJA919831
	ESR280	Pipe assembly feed	1	From VIN FA430173
				Upto VIN JA919831
	ESR280	Pipe assembly feed	1	200Tdi
				Upto VIN JA919831
	ESR1912	Pipe assembly feed	1	From VIN JA919832
2	NTC2928	Pipe assembly return	1	Upto VIN FA430172
	ESR281	Pipe assembly return	1	From VIN FA430173
				Upto VIN JA919831
	ESR281	Pipe assembly return	1	200Tdi
				Upto VIN JA919831
3	ESR1913	Pipe assembly return	1	From VIN JA919832
	NTC3858	Adaptor radiator	2	Upto VIN JA919831
	ESR1262	Adaptor radiator	2	From VIN JA919832
4	NN106011	Nutsert	1	
5	594637	Clamp pipe	1	
	NTC6847	Clamp pipe	2	200Tdi
6	FS106167L	Screw	1	
7	WL106001L	Washer spring	1	
	WA106041L	Washer plain	2	200Tdi
	NY106041L	Nut nyloc	1	200Tdi
	568680	Cable tie	1	200Tdi
8	NRC8618	Coupling	2	
9	ETC7398	Washer copper	2	





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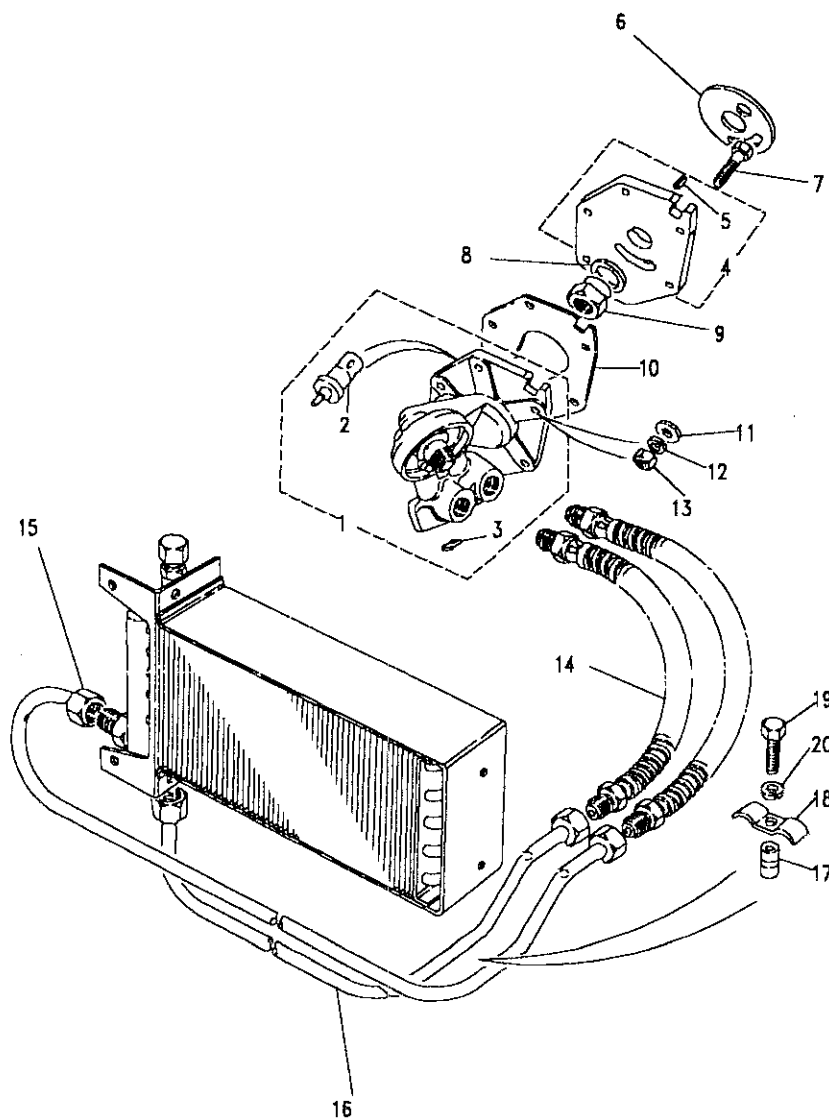
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ENGINE OIL COOLER - PIPES - V8 - UPTO VIN FA429127

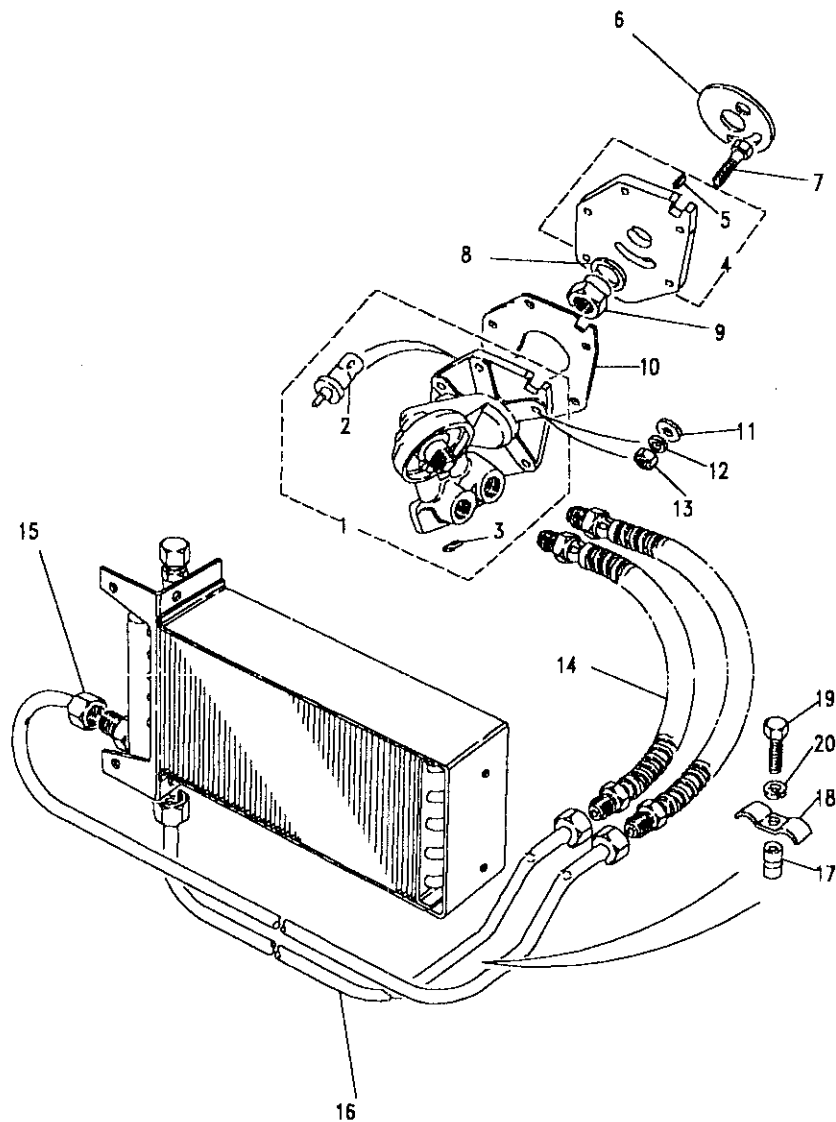
III. Part No.	Description	Qty	Remarks
1 ERC6720	Adaptor assembly bypass	1	
2 ERC5923	Thermostat	1	
3 TRS1114L	O ring	2	
4 ERC6722	Baseplate	1	Upto VIN 322599
ETC6812	Baseplate	1	From VIN 322600
5 PA105101	Pin spring	1	Upto VIN 322599
6 SH108301L	Screw	5	
7 ERC6890	Joint washer	1	Upto VIN 322599
ERR852	Joint washer	1	From VIN 322600
8 ERC3724	Washer	1	
9 ERC3500	Nut tube	1	
10 ERC6723	Joint washer	1	



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ENGINE OIL COOLER - PIPES - V8 - UPTO VIN FA429127

III. Part No.	Description	Qty	Remarks
11 WA108051L	Plain washer	5	
12 WL108001L	Washer spring	5	
13 FN108041L	Nut	5	
14 NRC4162	Pipe flexible	2	
15 NRC5824	Pipe assembly feed	1	
NRC8198	Pipe assembly feed	1	Air con
16 NRC5823	Pipe assembly	1	
NRC8199	Pipe assembly return	1	Air con
17 NN106011	Nutsert	1	
18 594637	Clamp pipe	1	
19 FS106167L	Screw	1	
20 WL106001L	Washer spring	1	

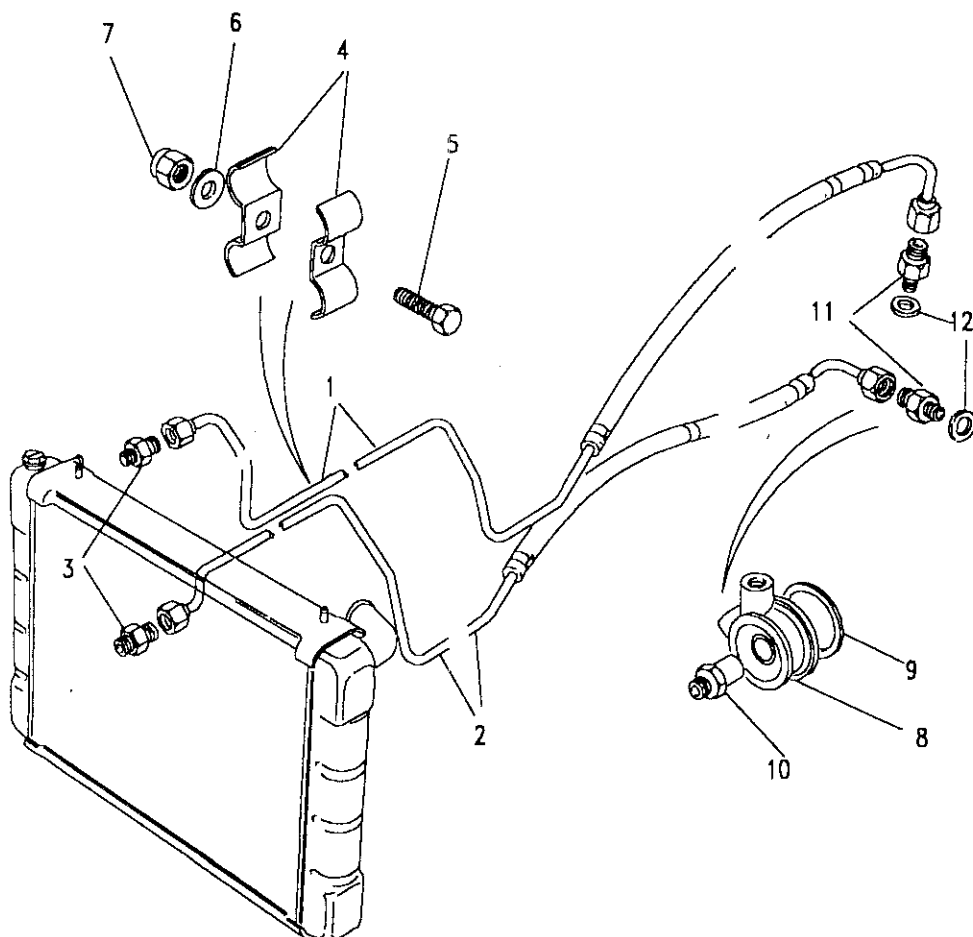


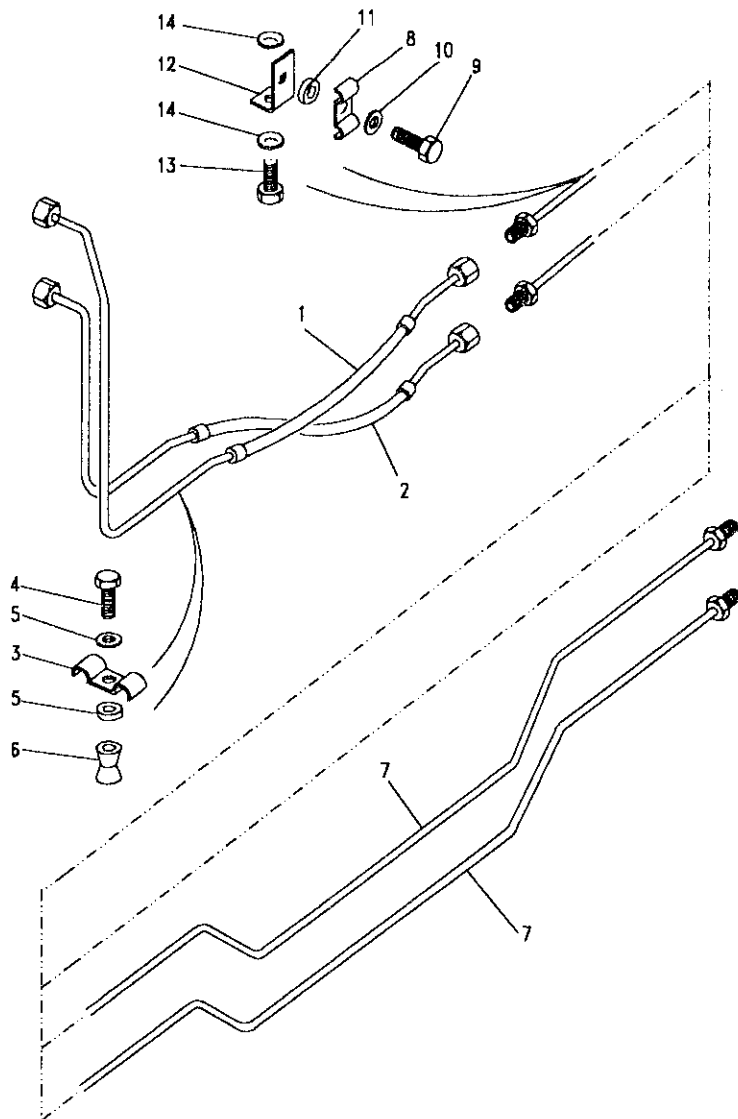
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ENGINE OIL COOLER - PIPES - V8 - FROM VIN FA429128

III. Part No.	Description	Qty	Remarks
1 ESR399	Pipe assembly feed	1	Upto VIN JA922098
ESR583	Pipe assembly feed	1	Upto VIN JA922098
ESR1915	Pipe assembly feed	1	From VIN JA922099
2 NTC5624	Pipe assembly return	1	Except Note(1)
ESR398	Pipe assembly return	1	Upto VIN JA922098
ESR1914	Pipe assembly return	1	Note(1)
3 NTC3858	Adaptor radiator	1	Upto VIN JA922098
ESR1262	Adaptor radiator	2	From VIN JA922099
4 NTC6847	Clamp pipe	2	Upto VIN JA922098
5 FS106167L	Screw	1	From VIN JA922099
6 WA106041L	Washer plain	1	
7 NY106041L	Nut nyloc	1	
8 ERC8501	Adaptor assembly filter	1	
9 ERR852	Gasket	1	
10 ERC2226L	Adaptor screw	1	
11 ETC9064	Coupling	2	
12 ETC9065	Washer copper	2	

Note(1) RHS vehicles with Gemmer power steering box from VIN HA469818





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GEARBOX OIL COOLER - PIPES - V8 LT77 GEARBOX

III. Part No.	Description	Qty	Remarks
Non Air Con			
1 ESR570	Pipe oil cooler RH front	1	Upto VIN JA922098
ESR1919	Pipe oil cooler RH front	1	From VIN JA922099
2 ESR571	Pipe oil cooler LH front	1	Upto VIN JA922098
ESR1920	Pipe oil cooler LH front	1	From VIN JA922099
Air Con			
1 ESR530	Pipe oil cooler RH front	1	Upto VIN JA922098
ESR1918	Pipe oil cooler RH front	1	From VIN JA922099
2 ESR531	Pipe oil cooler LH front	1	Upto VIN JA922098
ESR1917	Pipe oil cooler LH front	1	From VIN JA922099
3 594637	Clip retaining	1	
4 FS106167L	Screw	1	
5 WA106041L	Washer plain	2	
6 NN106011	Nut anchor	1	
7 ESR527	Pipe oil cooler rear	2	Upto VIN JA922098
ESR1916	Pipe oil cooler rear	2	From VIN JA922099
8 594637	Clip retaining	1	
9 FS106201L	Screw	1	
10 WA108051L	Washer plain	1	
11 WA106041L	Washer plain	1	
12 NTC5897	Bracket mounting	1	
13 SH505081L	Screw	1	
14 WA106001L	Washer plain	2	

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COOLING SYSTEM - EXPANSION TANK

III. Part No. Description Qty Remarks
Petrol, Nat Asp Diesel, Diesel Turbo

4 Cylinder, All Variants

1	ESR2733	Tank expansion	1	
2	RTC3610	Cap expansion tank-9psi	1	Upto LA932798
	PCD100150	Cap expansion tank-15psi	1	From LA932799
	565540	Cap expansion tank-15psi	1	Diesel Turbo

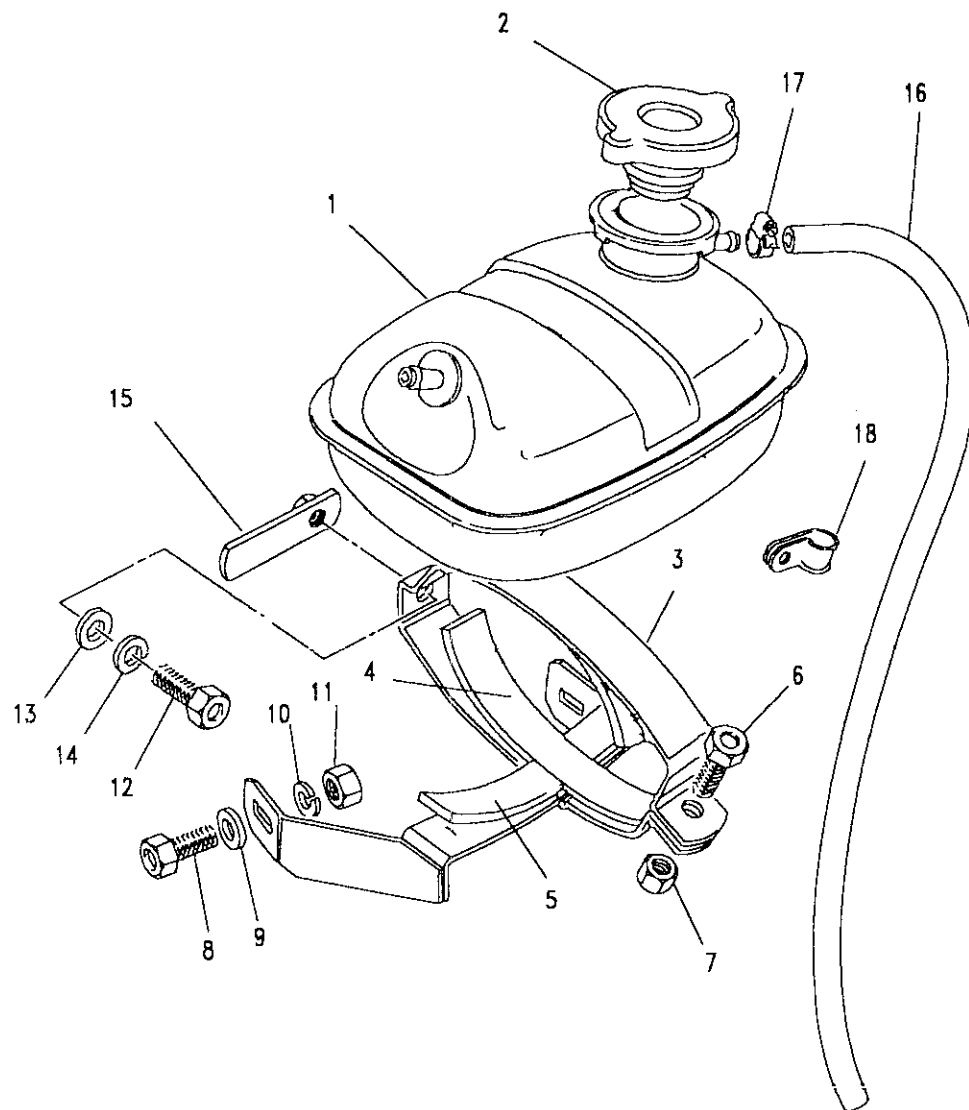
V8

1	ESR2734	Tank expansion	1	
2	PCD100150	Cap expansion tank-15psi	1	

3	NRC6692	Carrier	1	
4	NRC5294	Strip carrier	2	
5	NRC5295	Strip carrier	2	

Fixings - Carrier to tank

6	SH106207L	Screw	1	Upto FA389798
	FS106201L	Flange screw	1	From FA389799
7	NY106041L	Nut nyloc	1	



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COOLING SYSTEM - EXPANSION TANK

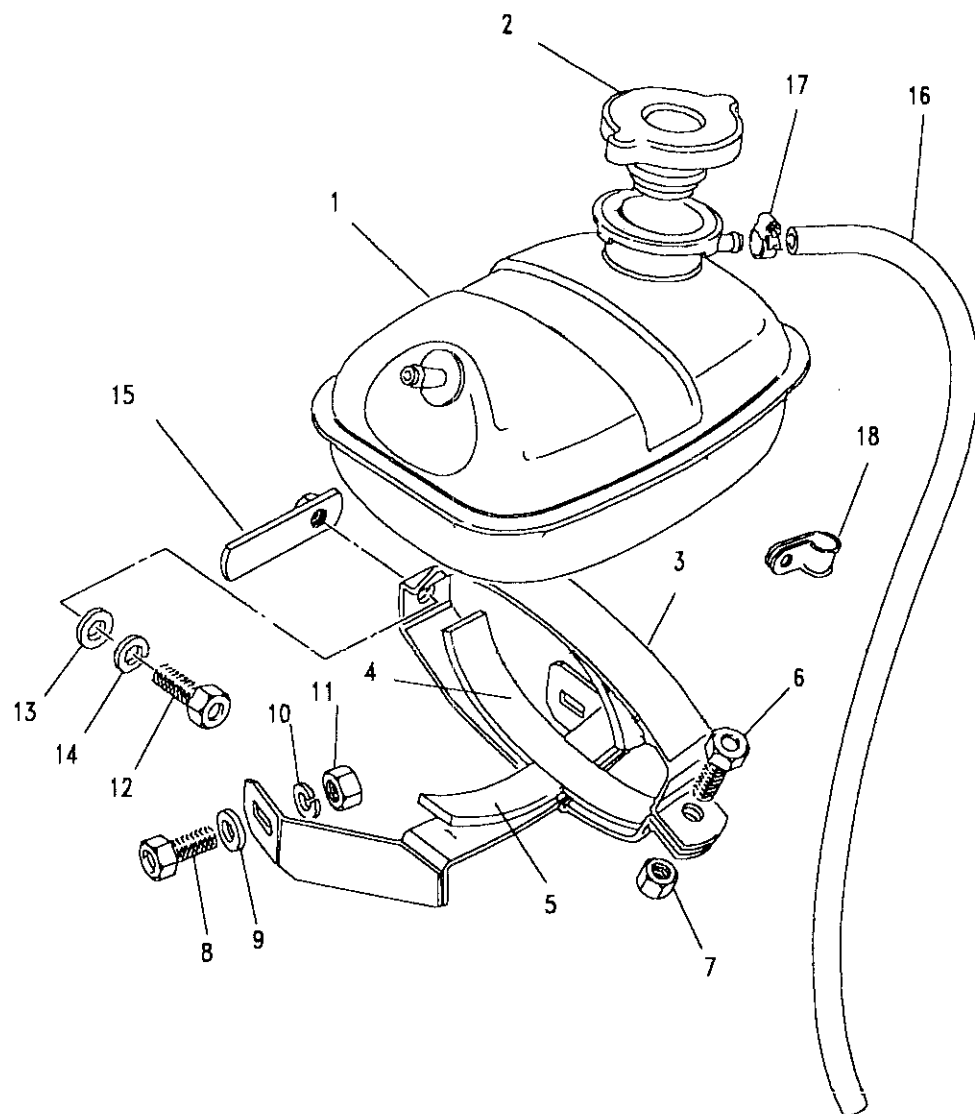
III. Part No. Description Qty Remarks

Fixings - Carrier to wheelarch

8	SH106207L	Screw	2	)
9	WC106047	Washer plain	4	)Upto
10	WL106007L	Washer spring	2	)FA389798
11	NH106047	Nut	2	)
	FS106201L	Flange screw	2	)
	WC106041L	Washer plain	4	)From
	WL106001L	Washer spring	2	)FA389799
	NH106041L	Nut	2	)

Fixings - Carrier to wing

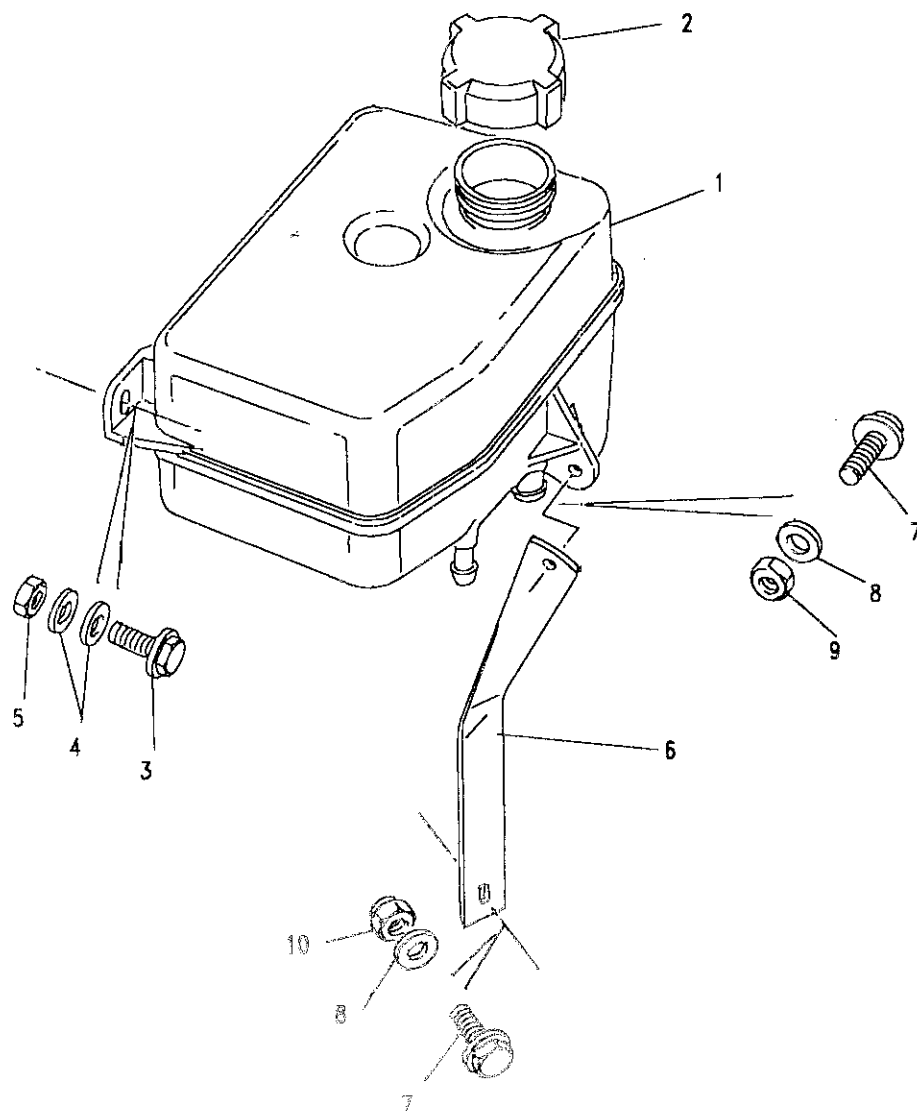
12	SH106207L	Screw	1	)Upto
13	WC106047	Washer plain	1	)FA389798
14	WL106007L	Washer spring	1	)
	FS106201L	Flange screw	1	)From
	WC106041L	Washer plain	1	)FA389799
	WL106001L	Washer spring	1	)
15	NRC7133	Nut plate	1	
16	564724	Hose overflow	1	
17	NRC1360	Clip hose	1	
18	CP106121	Clip retaining	1	



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COOLING SYSTEM - EXPANSION TANK

III. Part No.	Description	Qty	Remarks
200TDI			
1 ESR63	Tank expansion	1	
2 NTC7161	Cap expansion tank	1	15 psi
3 FS106167L	Screw	2	
4 WA106041L	Washer plain	4	
5 NH106041L	Nut	2	
6 ESR584	Bracket mounting	1	
7 FS106167L	Screw	2	
8 WA106041L	Washer plain	2	
9 NH106041L	Nut	1	
10 NY106041L	Nut nyloc	1	



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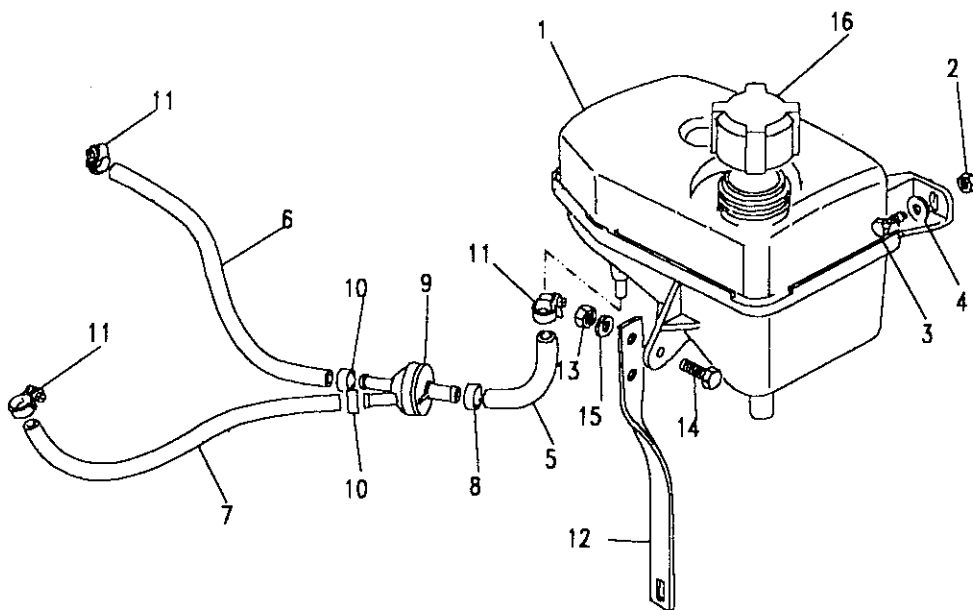
Page AFLXCC1B

COOLING SYSTEM - EXPANSION TANK

III. Part No. Description Qty Remarks

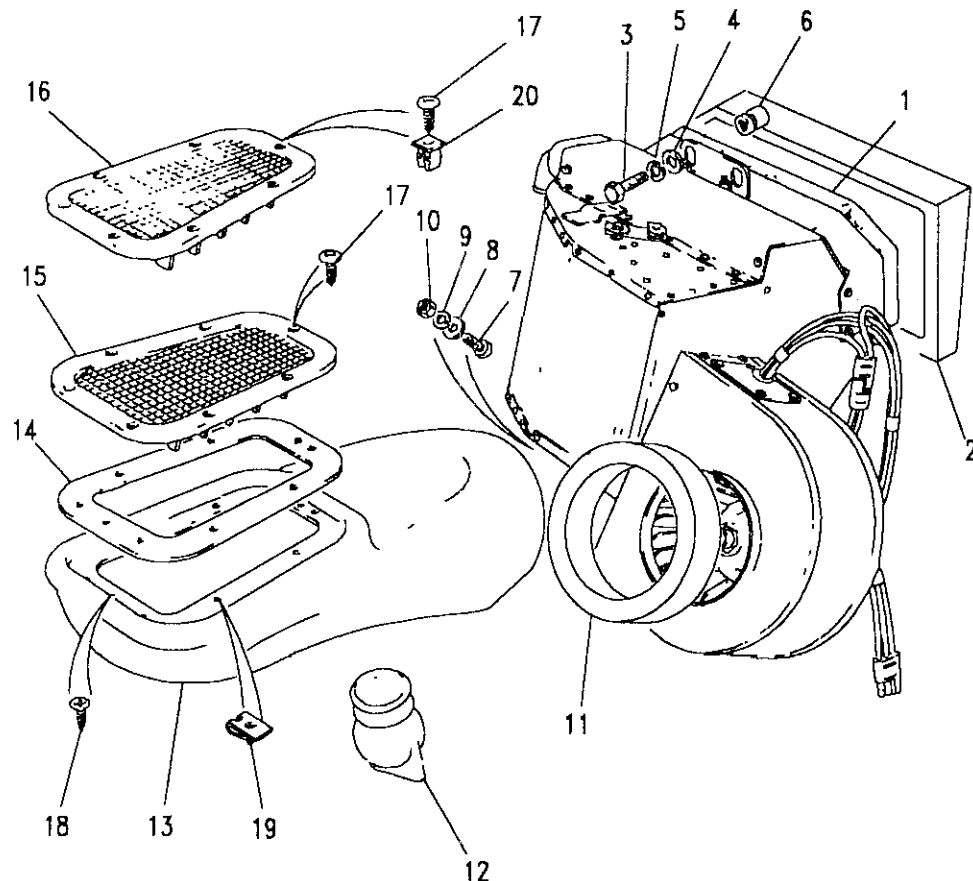
300TDI

1	ESR0063	Expansion tank	1
2	NH106041	Nut M6	3
3	SH106161	Screw M6	3
4	WA106041	Washer plain	5
5	ESR2343	Hose ejector/exp.tank	1
6	ESR2344	Hose radiator/ejector	1
7	ESR2345	Hose engine/ejector	1
8	ESR2346	Clip oetiker hose type	1
9	ESR2348	Pump ejector	1
10	ESR2349	Clip oetiker hose type	2
11	CN100208	Clip hose	3
12	ESR2313	Bracket mounting	1
13	NH106041	Nut M6	1
14	SH106161	Screw M6	1
15	WA106041	Washer plain	1
16	NTC7161	Cap expansion tank-15psi	1



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HEATING SYSTEM - HEATER



III. Part No.

Description

Qty Remarks

4 Cylinder

1 STC456
 BTR1116

Heater kit-RHS
 Heater assembly-RHS

1 Upto VIN HA900750
 1 From VIN HA900751
 up to LA939975

BTR4318
 BTR1109
 BTR1117

Heater assembly - RHS
 Heater assembly-LHS
 Heater assembly-LHS

1 From MA939976
 1 Upto VIN HA900794
 1 From VIN HA900795
 up to LA939975

BTR4317

Heater assembly - LHS

1 From MA939976

200TDI

1 STC456
 BTR1116

Heater kit-RHS
 Heater assembly-RHS

1 Upto VIN HA900808
 1 From VIN HA900809
 up to LA939975

BTR4318
 BTR1109
 BTR1117

Heater assembly - RHS
 Heater assembly-LHS
 Heater assembly-LHS

1 From MA939976
 1 Upto VIN HA900795
 1 From VIN HA900796
 up to LA939975

BTR4317

Heater assembly - LHS

1 From MA939976

V8

1 STC456
 BTR1116

Heater kit-RHS
 Heater assembly-RHS

1 Upto VIN HA900869
 1 From VIN HA900870
 up to LA939975

BTR4318
 BTR1109
 BTR1117

Heater assembly - RHS
 Heater assembly-LHS
 Heater assembly-LHS

1 From MA939976
 1 Upto VIN HA900889
 1 From VIN HA900890
 up to LA939975

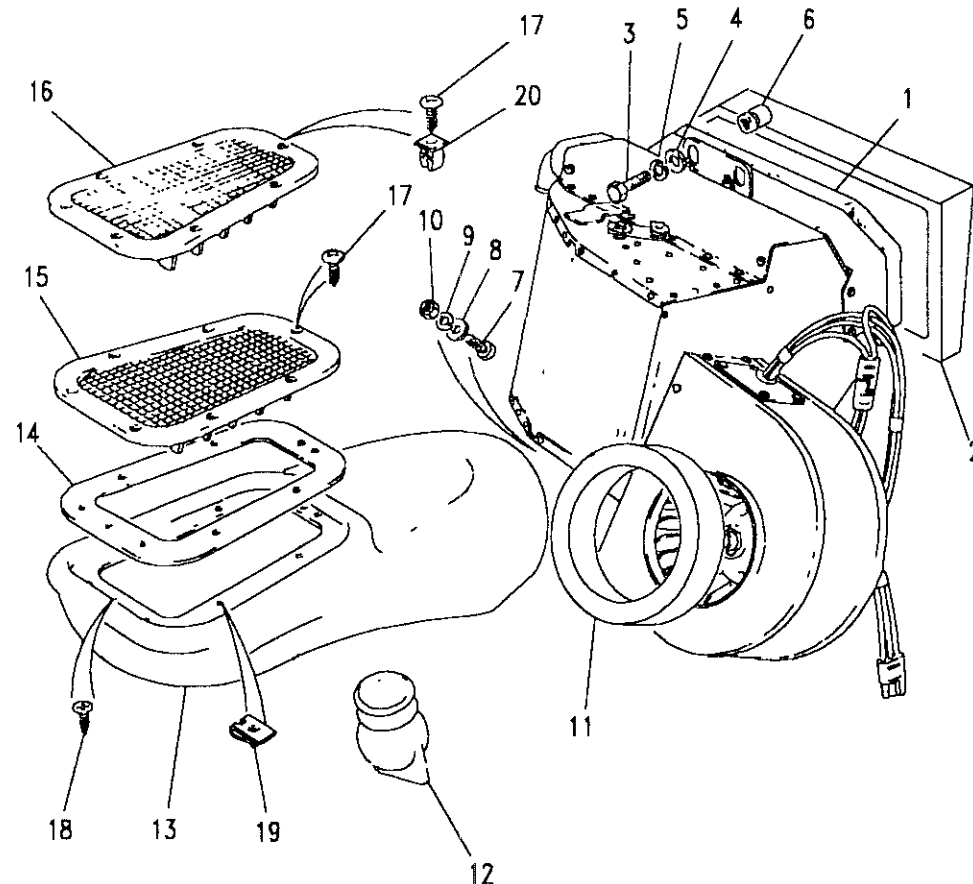
BTR4317

Heater assembly - LHS

1 From MA939976

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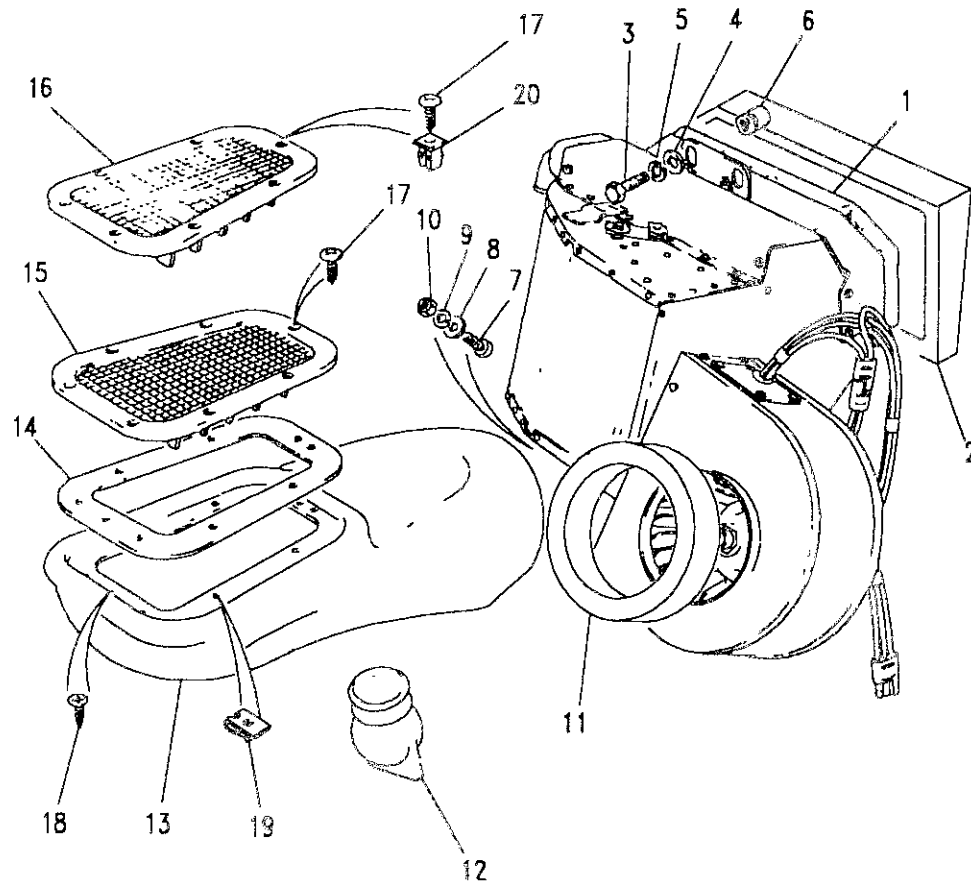
HEATING SYSTEM - HEATER



III. Part No.	Description	Qty	Remarks
300TDI			
BTR4318	Heater assembly - RHS	1	
BTR4317	Heater assembly - LHS	1	
All variants			
2 STC952	Seal-heater to dash	1	RHS
STC953	Seal-heater to dash	1	LHS
3 SH108161L	Screw-to dash	2	
4 RTC610	Washer plain	1	
5 WL108001L	Washer spring	2	
6 NN108021	Nutsert	2	
7 FS106167L	Screw	2	
8 WA106041L	Washer plain	2	
9 WL106001L	Washer spring	2	
10 NH106041L	Nut	2	

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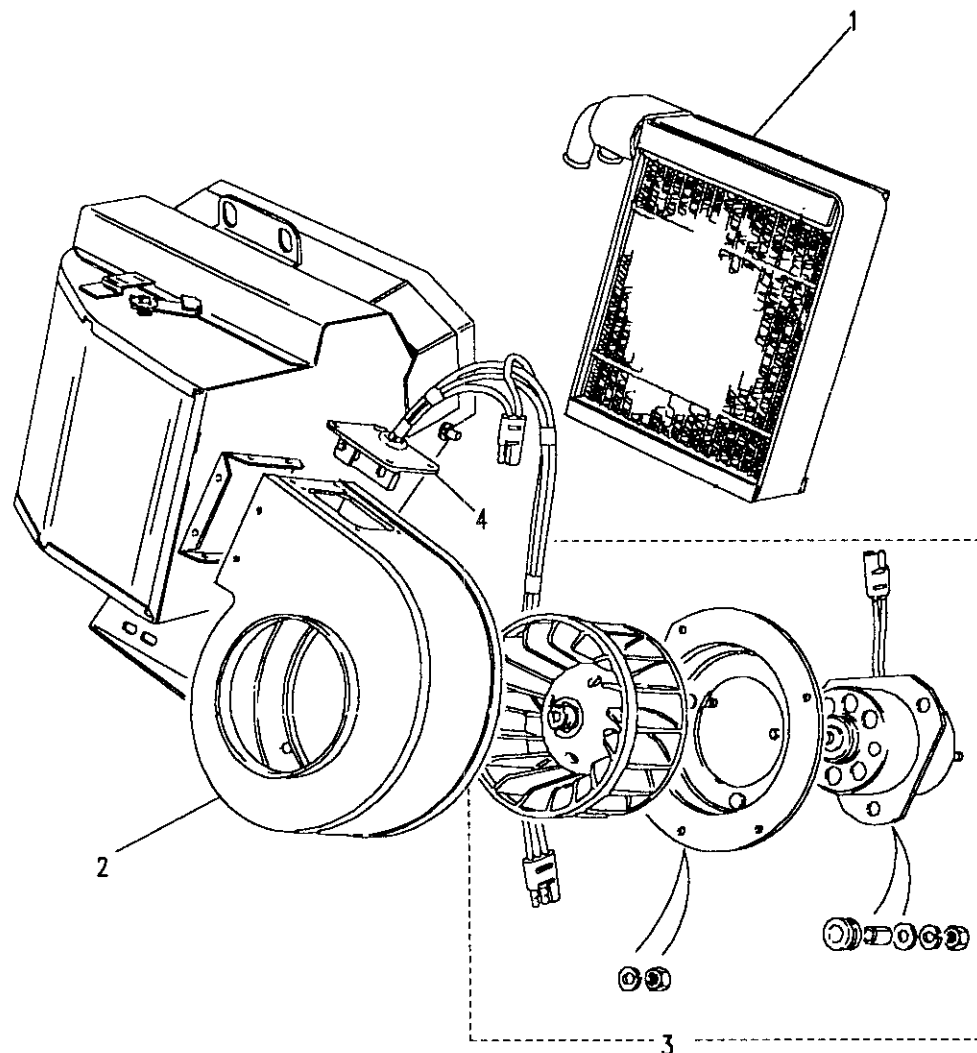
HEATING SYSTEM - HEATER



III. Part No.	Description	Qty	Remarks
11 MRC8378	Seal heater	1	
12 MUC2417	Valve dump	1	
13 MUC2419	Duct heater LH	1	RHS
MUC2418	Duct heater RH	1	LHS
14 MRC9998	Seal Duct	1	
15 MRC9939	Finisher Grille LH	1	RHS
MRC9938	Finisher Grille RH	1	LHS
16 MRC9940	Finisher Blanking RH	1	RHS
MRC9941	Finisher Blanking LH	1	LHS
17 AB608065L	Screw	14	
18 AC608041L	Screw	4	
19 AJ608041	Clip spire	9	
20 CZK619	Nut lokut	9	

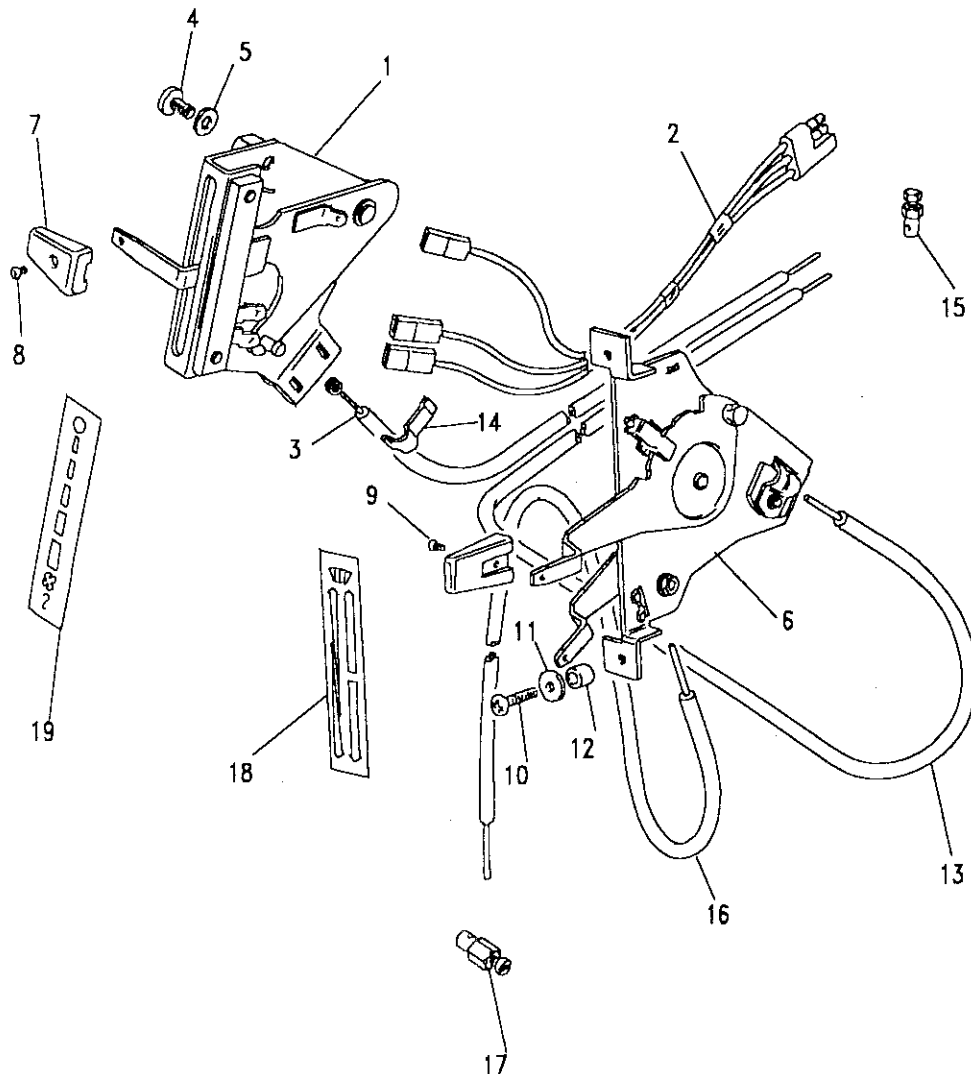
Model DEFENDER 110 1987 onwards
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HEATING SYSTEM - HEATER COMPONENTS



III. Part No.	Description	Qty	Remarks
1 AAP817	Matrix	1	Note(1)
UTP1725	Matrix	1	Note(2)
2 AAP810	Volute assembly - RHS	1	Up to LA939975
UTP1259	Volute & motor assy - RHS	1	From MA939976
AAP811	Volute assembly - LHS	1	Up to LA939975
UTP1258	Volute & motor assy - LHS	1	From MA939976
3 RTC4200	Motor and rotor - RHS	1	Up to LA939975
RTC4201	Motor and rotor - LHS	1	Up to LA939975
STC1207	Motor and rotor assembly	1	From MA939976
4 UTP1281	Harness and resistor	1	RHS
UTP1282	Harness and resistor	1	LHS

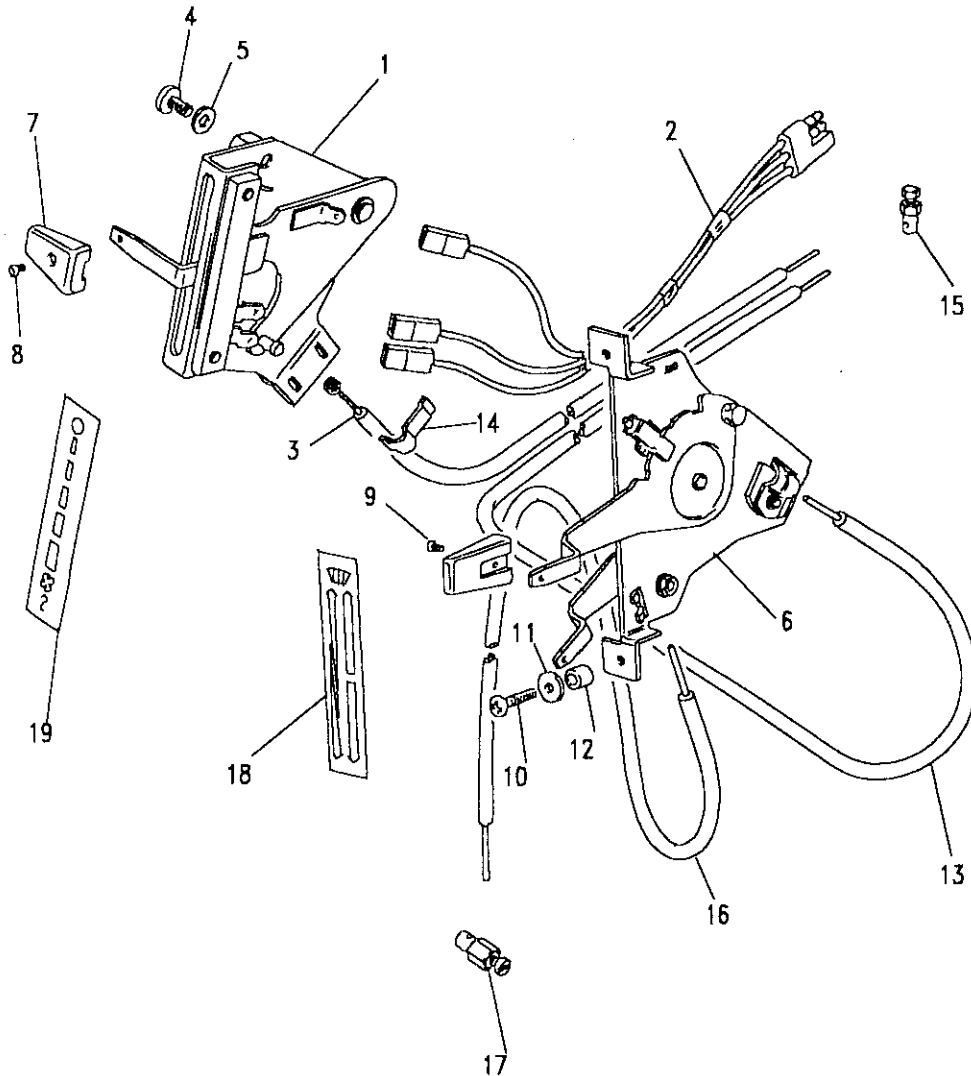
Note(1) For Heater assy with downward facing inlet/outlet pipes BTR1109
Note(2) For Heater assy with horizontal inlet/outlet pipes STC456 BTR1116
BTR1117



Model DEFENDER 110 1987 onwards
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HEATING SYSTEM - HEATER CONTROLS

Ill. Part No.	Description	Qty	Remarks
Up to LA939975			
1 UTP1126	Control heater	1	RHS
1 UTP1125	Control heater	1	LHS
2 AAP890	Harness heater	1	
3 AAP876	Cable control - outlet	1	
From MA939976			
1 BTR4433	Control assembly	1	RHS
AAP938	Control heater	1	RHS
2 UTP1883	Harness heater control	1	
3 AAP876	Cable control - outlet	1	
14 13H7343L	Clip retaining	1	
1 BTR4434	Control assembly	1	LHS
AAP939	Control heater	1	LHS
2 UTP1883	Harness heater control	1	
3 AAP876	Cable control - outlet	1	
14 13H7343L	Clip retaining	1	



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HEATING SYSTEM - HEATER CONTROLS

III. Part No. Description Qty Remarks

Fixings - Control to cowl

4	SE105161L	Screw	2	
5	WA105001L	Washer plain	2	
6	346924	Plate mounting and levers	1	RHS
	347586	Plate mounting and levers	1	LHS
7	MTC2805	Knob	3	
8	SG103084	Screw	1	
9	MTC7737	Screw	2	

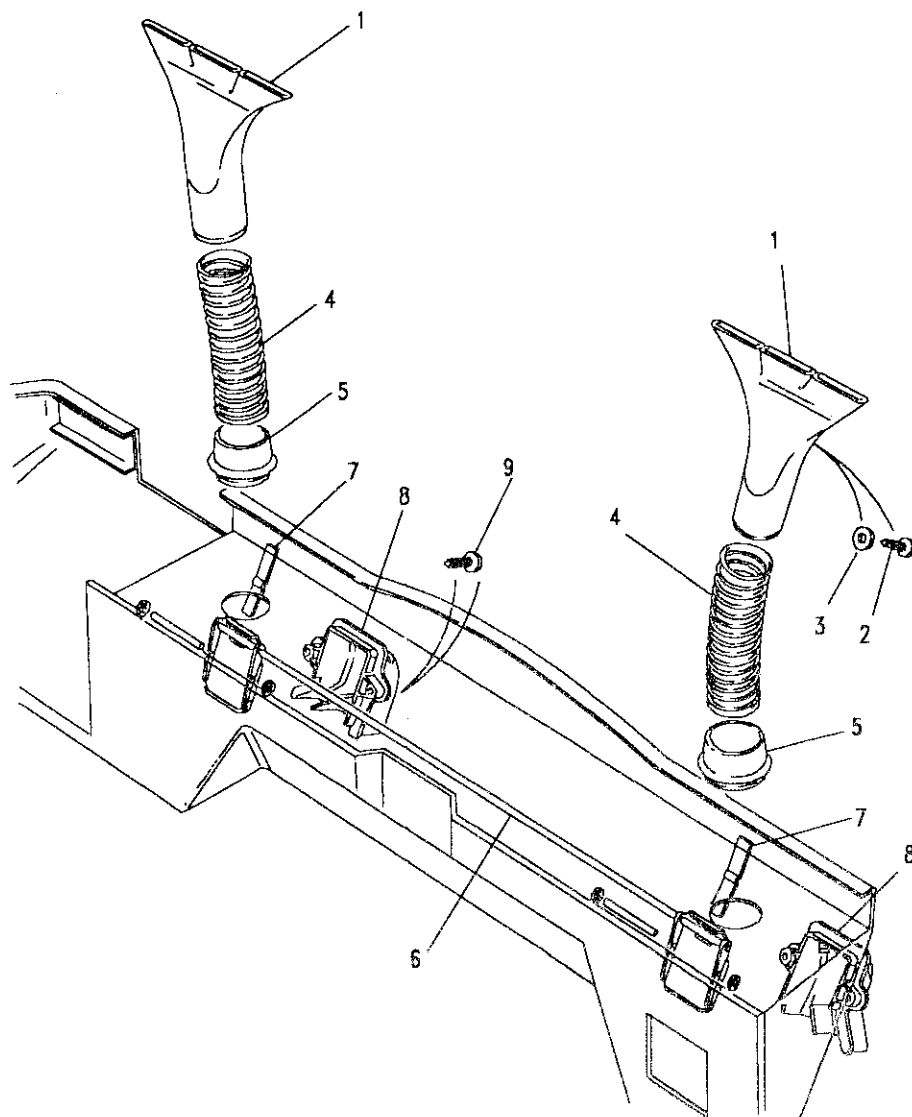
Fixings - Mounting plate to dash

10	SE808244	Screw	2	
11	WA105004L	Washer plain	2	
12	MRC9922	Spacer	2	
13	MTC6194	Cable control - blend	1	
14	13H7343L	Clip retaining	2	
15	RTC5978	Trunnion	2	
16	347939	Cable control - distrib'n	1	Up to LA939975
	BTR8736	Cable control - distrib'n	1	From MA939976
17	566902	Trunnion	1	
18	MTC6006	Label	1	
19	MTC6007	Label	1	

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HEATER SYSTEM - DEMISTERS AND OUTLET FLAPS

III. Part No.	Description	Qty	Remarks
1 MRC9668	Nozzle RH	1	
MXC3188	Nozzle RH	1	200Tdi
BTR1600	Nozzle RH	1	Upto VIN JA906639
			200Tdi
			From VIN JA906640
1 MRC9669	Nozzle demist outlet	1	
MXC3189	Nozzle LH	1	200Tdi
			Upto VIN JA906639
BTR1599	Nozzle LH	1	200Tdi
			From VIN JA906640
2 AB608047L	Screw	2	
3 WA105001	Washer plain	2	
AB608054L	Screw	4	200Tdi
AK608021	Nut spring	4	200Tdi
4 MTC6382	Tube flexible	2	
5 MRC7281	Grommet	2	
6 346894	Flaps heater outlet	1	Upto VIN HA905500
BTR1349	Flaps heater outlet	1	From VIN HA905501
7 346976	Spring	2	
8 395829	Grille outlet RH	1	
395830	Grille outlet LH	1	
9 MRC1525	Screw	4	

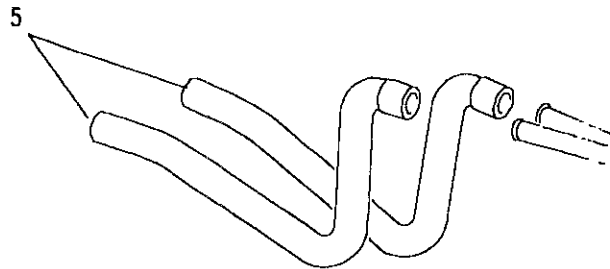




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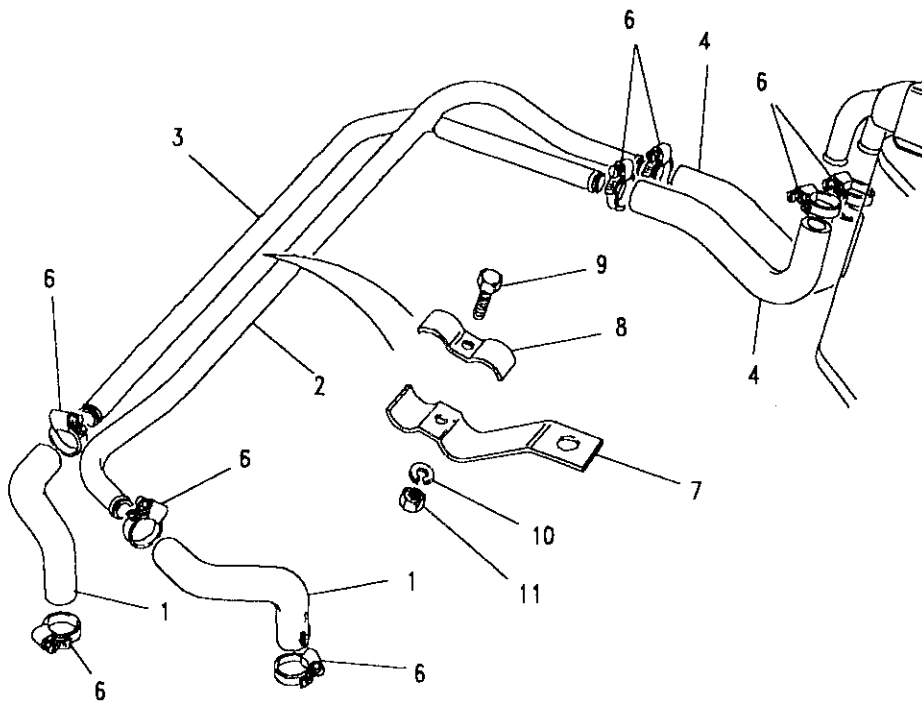
COOLING/HEATING



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Page AFLXIA2A

HEATING SYSTEM - HEATER PIPES - 4 CYL PETROL & DIESEL

III. Part No.	Description	Qty	Remarks
Engine feed and return			
1 NRC6306	Hose heater	2	
Heater feed			
2 NRC6307	Pipe heater	1	RHS
NRC6422	Pipe heater	1	LHS
Heater return			
3 NRC6420	Pipe heater	1	RHS
NRC6421	Pipe heater	1	LHS
Heater feed and return			
4 NRC6308	Hose heater	2	RHS Upto VIN HA900750
NRC6309	Hose heater	2	LHS Upto VIN HA900794
5 BTR1134	Hose heater	2	RHS From VIN HA900751
BTR1135	Hose heater	2	LHS From VIN HA900795





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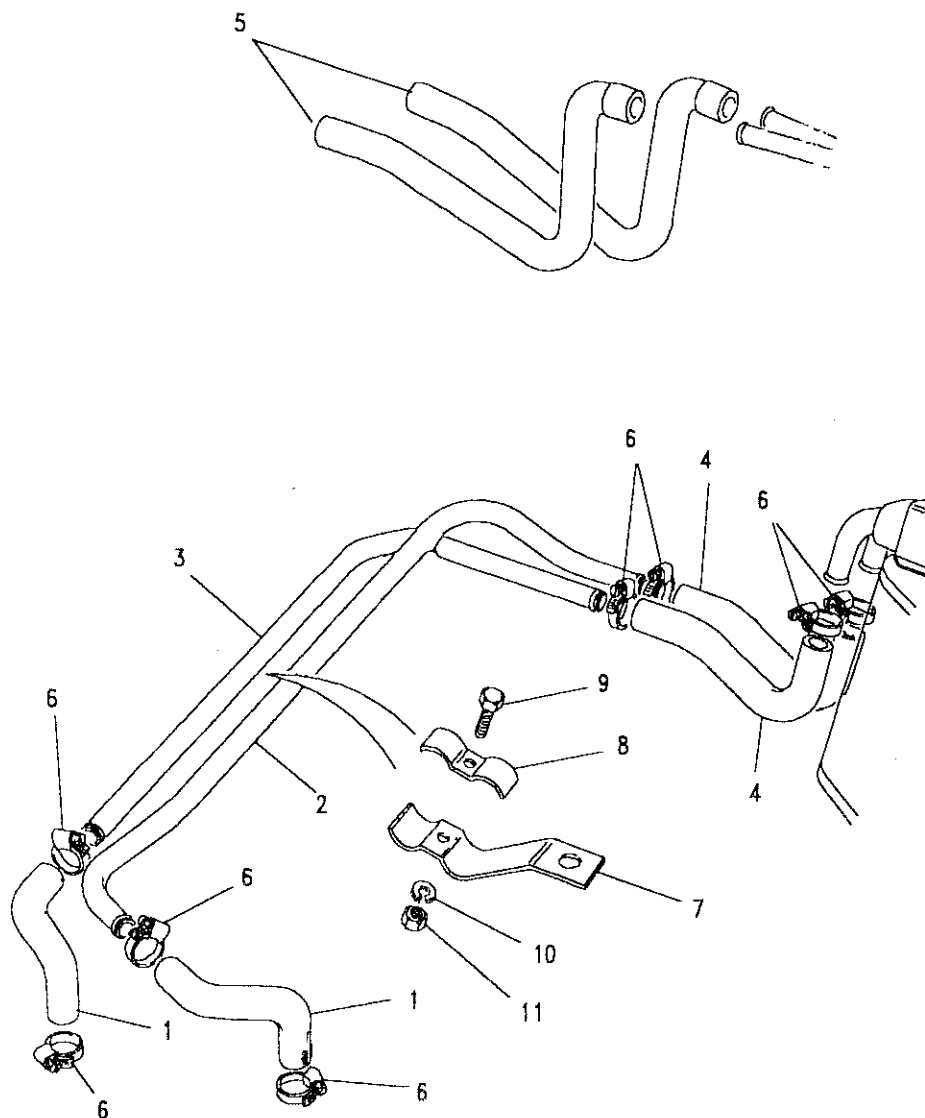
COOLING/HEATING

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HEATING SYSTEM - HEATER PIPES - 4 CYL PETROL & DIESEL

III. Part No.	Description	Qty	Remarks
Hose fixings			
6	CN100258L	8	
7	NRC6417	1	Petrol
	NRC6418	1	Diesel
8	NRC6419	3	
9	SH106251L	2	
10	WL106001L	2	
11	NH106041L	2	

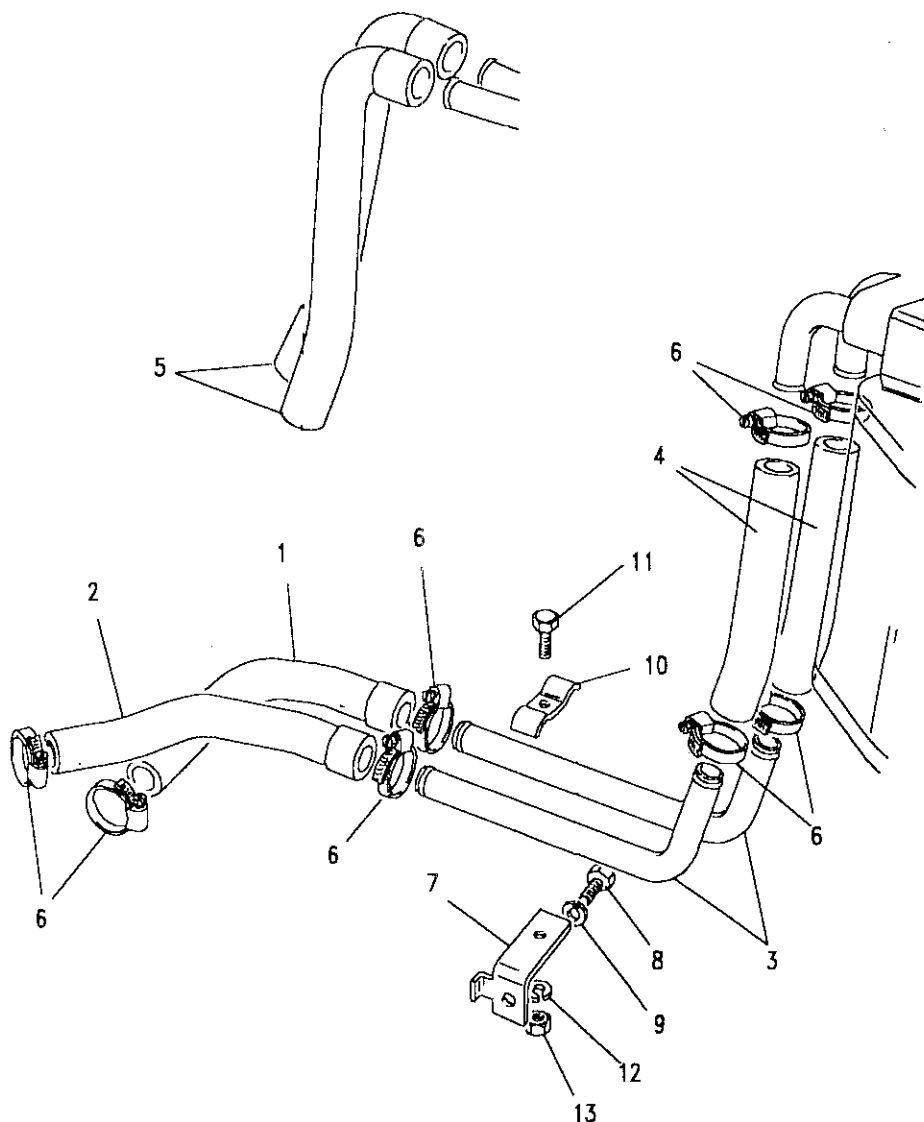


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HEATING SYSTEM - HEATER PIPES - V8

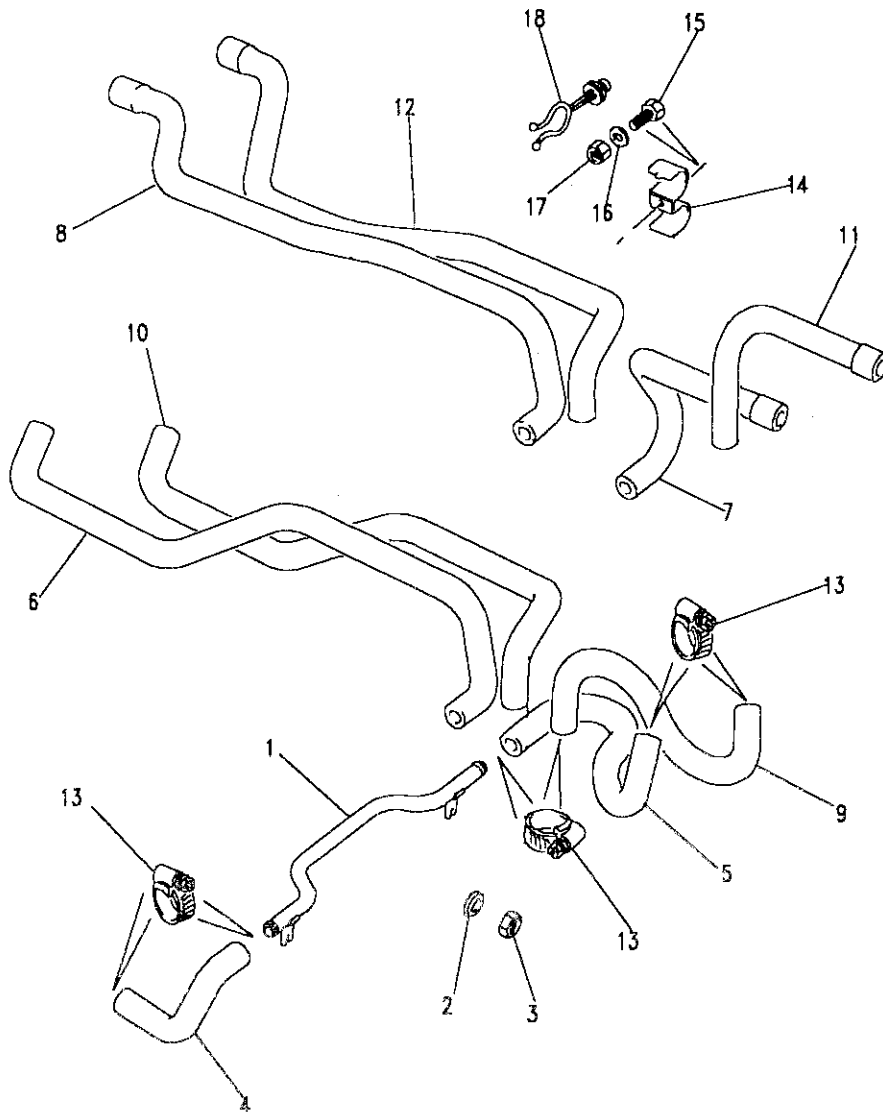
Ill. Part No.	Description	Qty	Remarks
Engine feed			
1 NRC6311	Hose heater	1	RHS
NRC6352	Hose heater	1	LHS
Engine return			
2 NRC6314	Hose heater	1	RHS
NRC6353	Hose heater	1	LHS
Heater feed and return			
3 NRC6902	Pipe heater	2	RHS
NRC6312	Pipe heater	2	LHS
4 NRC6313	Hose heater	2	RHS
NRC6313	Hose heater	1	Upto VIN HA900869 LHS
5 BTR1136	Hose heater	2	Upto VIN HA900889 RHS
BTR1137	Hose heater	2	From VIN HA900870 LHS
6 CN100308I	Clip hose	8	From VIN HA900890
7 NRC8707	Bracket support	1	RHS
Fixings - Bracket to engine			
8 SH605071	Screw	1	
9 WM600051L	Washer spring	1	
10 NRC6419	Clamp pipe	1	RHS
11 1H106301	Screw	1	
12 WL106001	Washer spring	1	
13 NH106041L	Nut	1	



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HEATING SYSTEM - HEATER PIPES - 200TDI

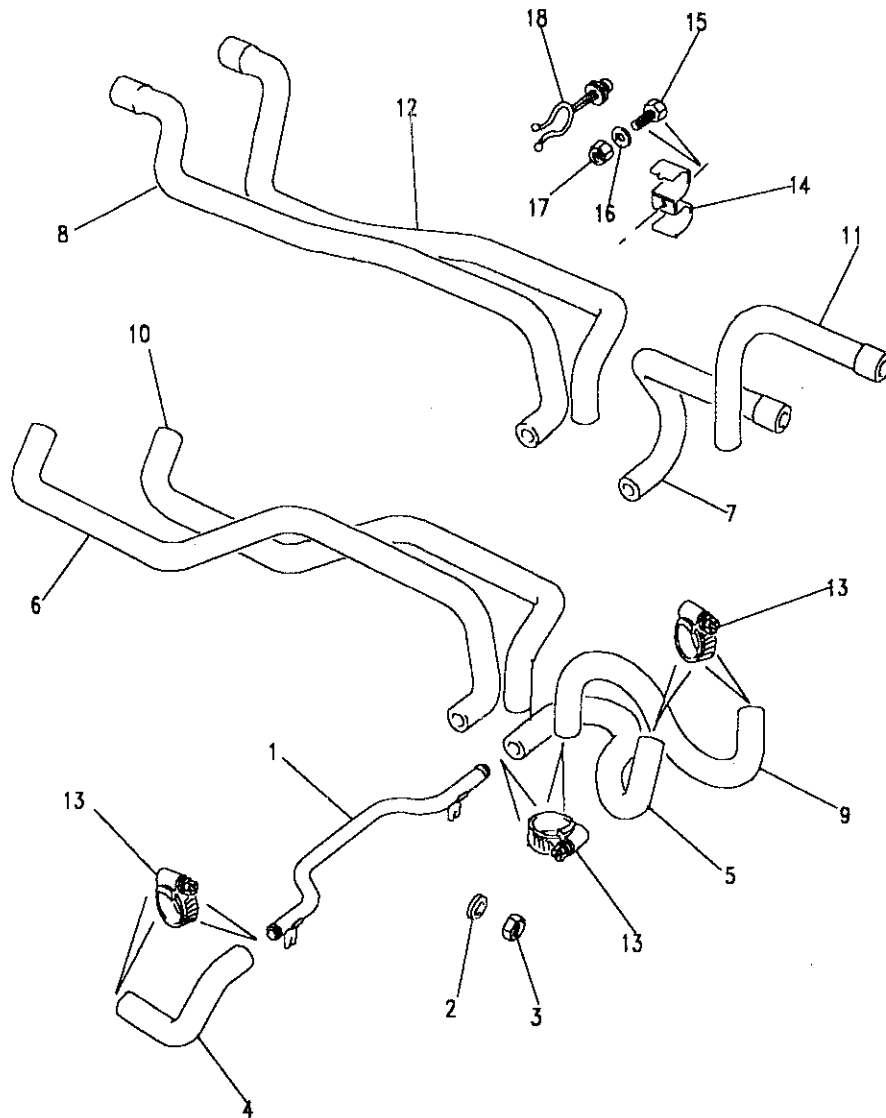
III. Part No.	Description	Qty	Remarks
Heater return			
1 ERR371	Pipe heater	1	
2 WA110065	Washer plain	2	
3 NT110041L	Nut	2	
Heater return			
4 ERR1436	Hose heater	1	
5 BTR445	Hose heater	1	RHS
6 BTR982	Hose heater	1	Upto VIN HA900808
7 BTR1130	Hose heater	1	LHS
8 BTR1131	Hose heater	1	Upto VIN HA900795
			RHS
			From VIN HA900809
			LHS
			From VIN HA900796



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HEATING SYSTEM - HEATER PIPES - 200TDI

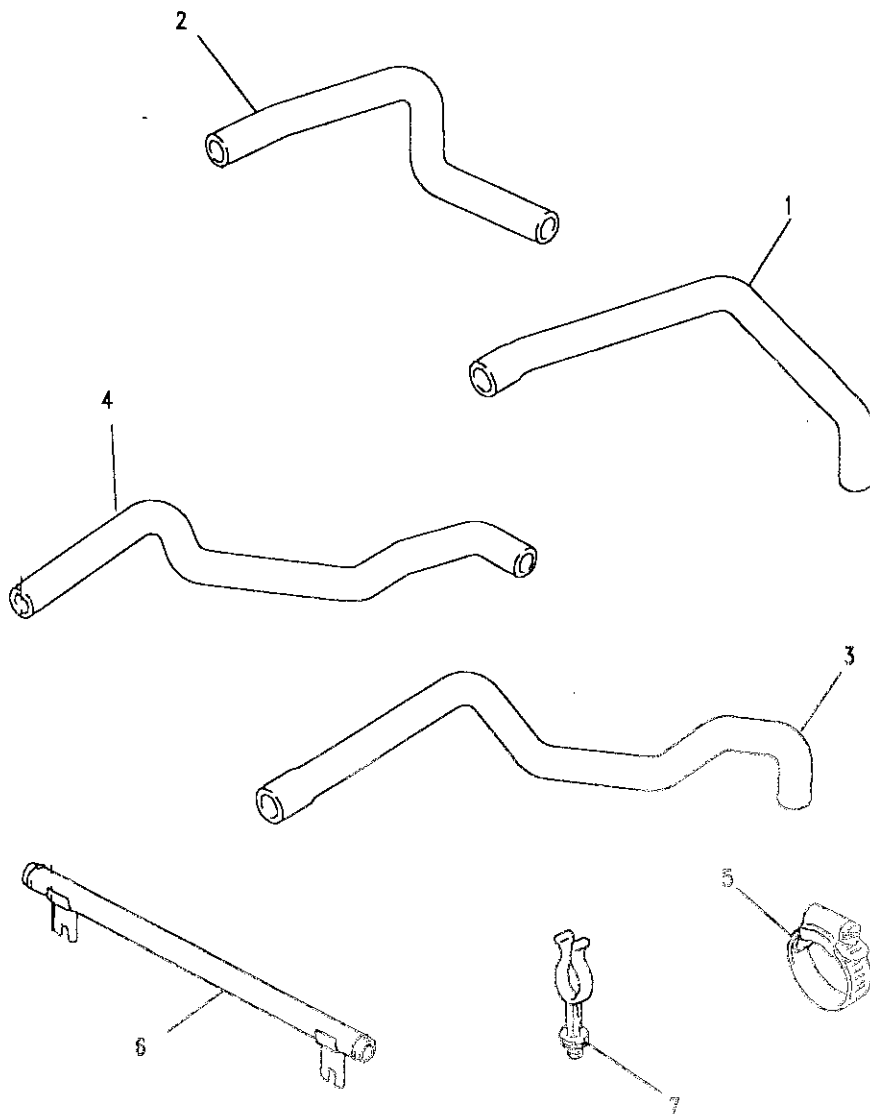
III. Part No.	Description	Qty	Remarks
Heater feed			
9 BTR447	Hose heater	1	RHS Upto VIN HA900808
10 BTR983	Hose heater	1	LHS Upto VIN HA900795
11 BTR1132	Hose heater	1	RHS From VIN HA900809
12 BTR1133	Hose heater	1	LHS From VIN HA900796
13 CN100258L	Clip hose	6	
14 BTR988	Clamp hose	1	
15 SH105121L	Screw	1	
16 WA105001L	Washer plain	1	
17 NY105041L	Nut nyloc	1	
18 NRC8332	Clip cable	1	



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HEATING SYSTEM - HEATER PIPES - 300TDI

III. Part No.	Description	Qty	Remarks
RHS			
1 BTR6165	Hose heater inlet	1	
2 BTR6164	Hose heater return	1	
LHS			
3 BTR8396	Hose heater inlet	1	
4 BTR8395	Hose heater return	1	
All variants			
5 CN100258L	Clip hose	4	
6 ERR4531	Pipe assembly return	1	
7 NRC8332	Cable clip	1	



Model DEFENDER 110 1987 onwards

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AIR CONDITIONING - CONDENSER - RHS/LHS

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

TDI CFC free

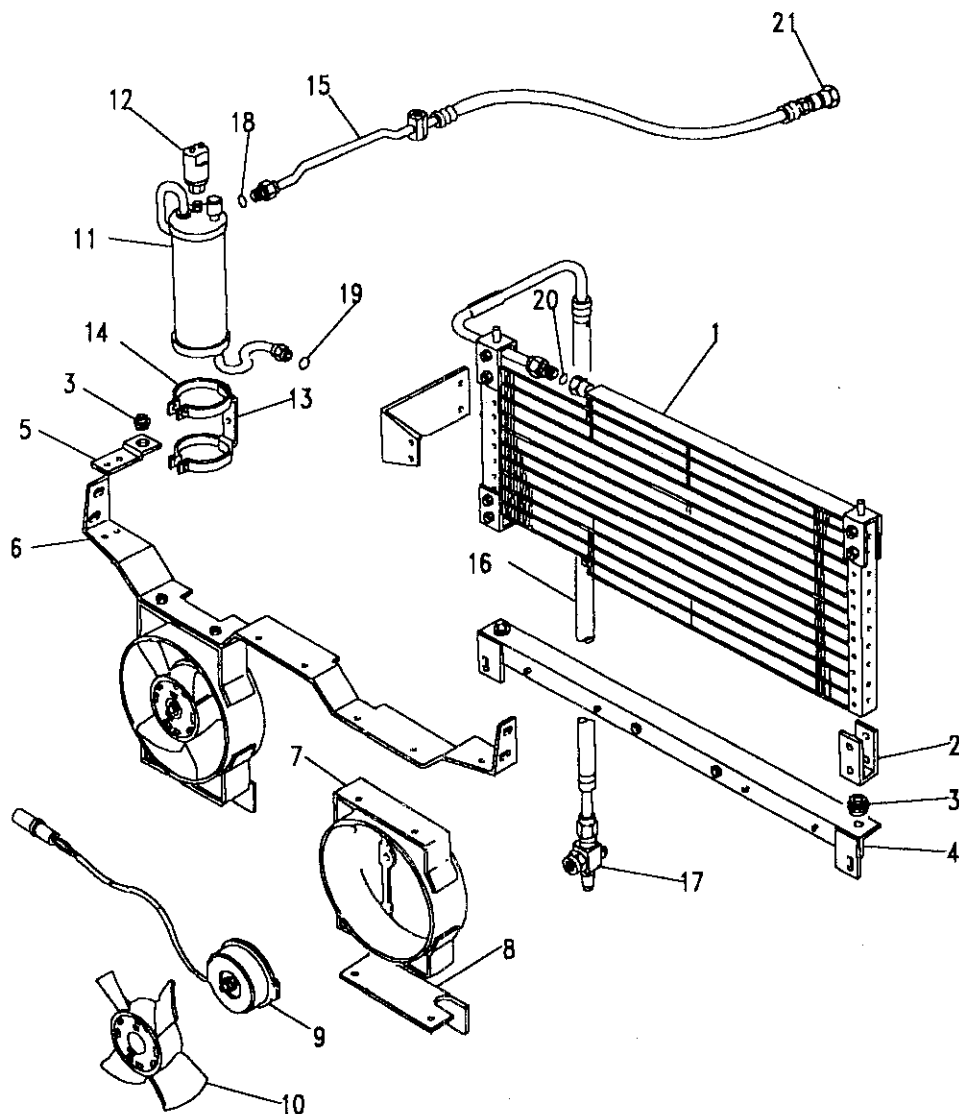
1	AWR2335	Condenser	
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Petrol & None Turbo diesel CFC free

AWR1178	Condenser	1	
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Petrol & None Turbo diesel

1	RTC7416	Condenser	1	
2	RTC7417	Bracket support	4	
3	RTC7418	Grommet	4	
4	RTC7419	Bracket mounting	1	Lower
5	RTC7420	Bracket pilot	2	
6	RTC7421	Bracket mounting	1	Upper
7	RTC7422	Shroud fan	2	
8	RTC7423	Bracket support	2	
9	RTC7424	Motor fan	2	
10	RTC7425	Fan blade	2	
11	RTC7426	Receiver drier	1	
12	AEU3068	Switch high pressure	1	
13	RTC7427	Bracket support	1	
14	RTC7428	Clamp	2	
15	RTC7429	Hose assembly	1	
16	RTC7430	Hose discharge	1	
17	AEU3067	Valve discharge	1	
18	AEU3056	O ring	1	
19	AEU1626	O ring	2	0.3125 dia
20	AEU1627	O ring	2	0.4060 dia
21	MTC8500	Coupling	1	



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AIR CONDITIONING - EVAPORATOR ASSEMBLY - RHS

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

Petrol & Non Turbo Diesel RHS (CFC free)

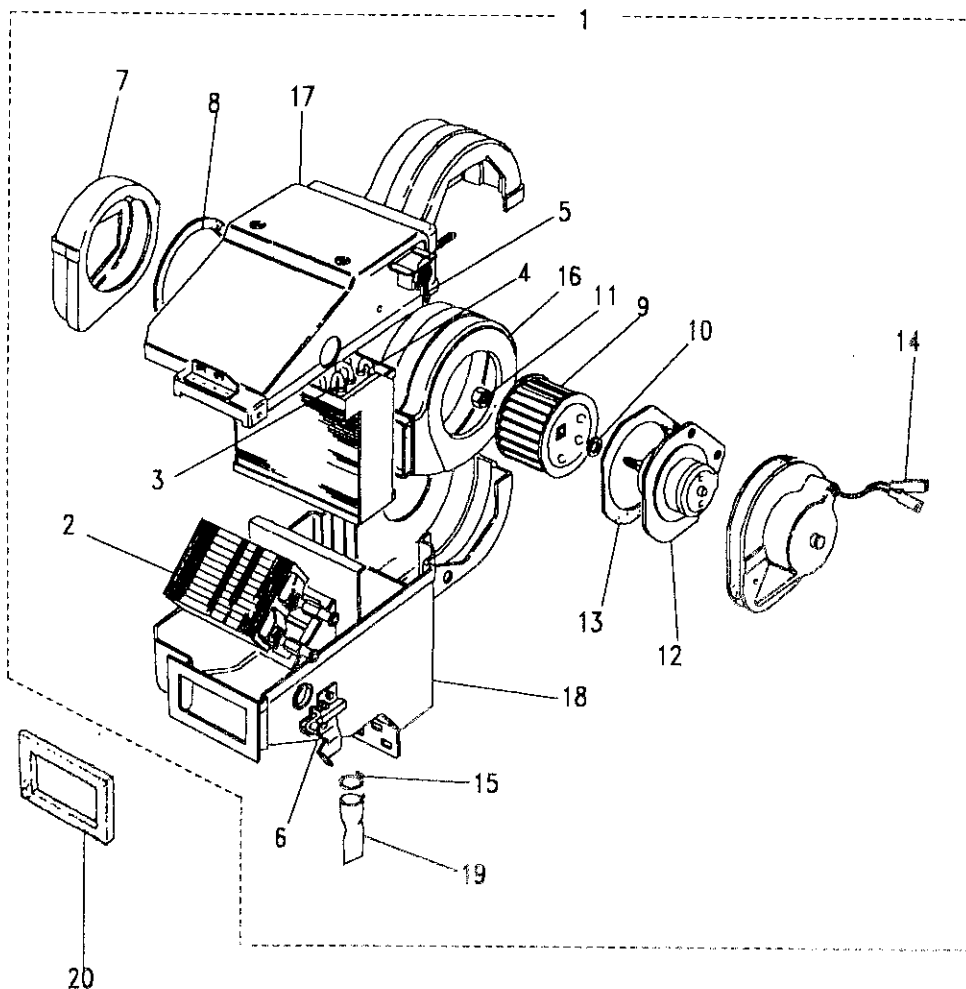
1 AWR1168	Evaporator	1	
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TDI RHS (CFC free) 134a gas

AWR1249	Evaporator	1	
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All variants CFC R12gas

MUC1663	Evaporator assembly	1	
2 MUC6050	Core heater	1	
3 MUC6037	Valve expansion	1	
4 MUC6038	Tube extension	1	
5 MUC6042	Thermostat	1	
6 MUC4375	Switch vacuum	1	
7 MUC1682	Adaptor	1	
8 MUC6040	Seal	1	
9 MUC6053	Wheel blower motor	1	
10 MUC6054	Spacer	1	
11 MUC6055	Lock nut	1	
12 MUC1675	Motor blower	1	
13 MUC6052	Seal	1	
14 MUC6056	Harness blower	1	
15 RTC7470	Clamp	1	
16 STC760	Housing blower motor	1	
17 STC761	Cover top evaporator	1	
18 STC762	Cover rotor evaporator	1	
19 STC948	Evaporator tube	1	
20 MUC4860	Seal	1	





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GROUP L

COOLING/HEATING

COOLING/HEATING

HEATER/COOLER ASSEMBLY - LHS

640 - 646





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COOLING/HEATING

GROUP L

COOLING/HEATING

COOLING/HEATING

HEATER PIPES - 4 CYLINDER - LHS

652

HEATER PIPES - TDI - LHS

653

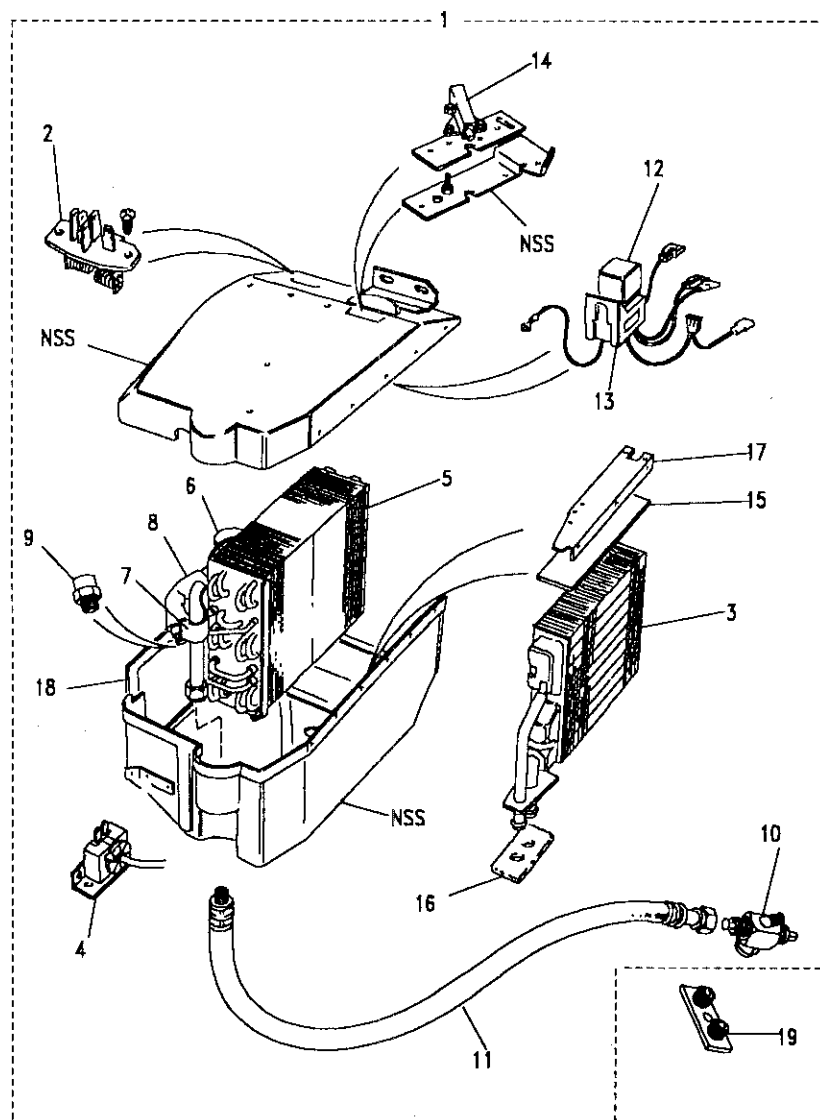
HEATER PIPES - V8 - RHS

654

HEATER PIPES - V8 - LHS

655



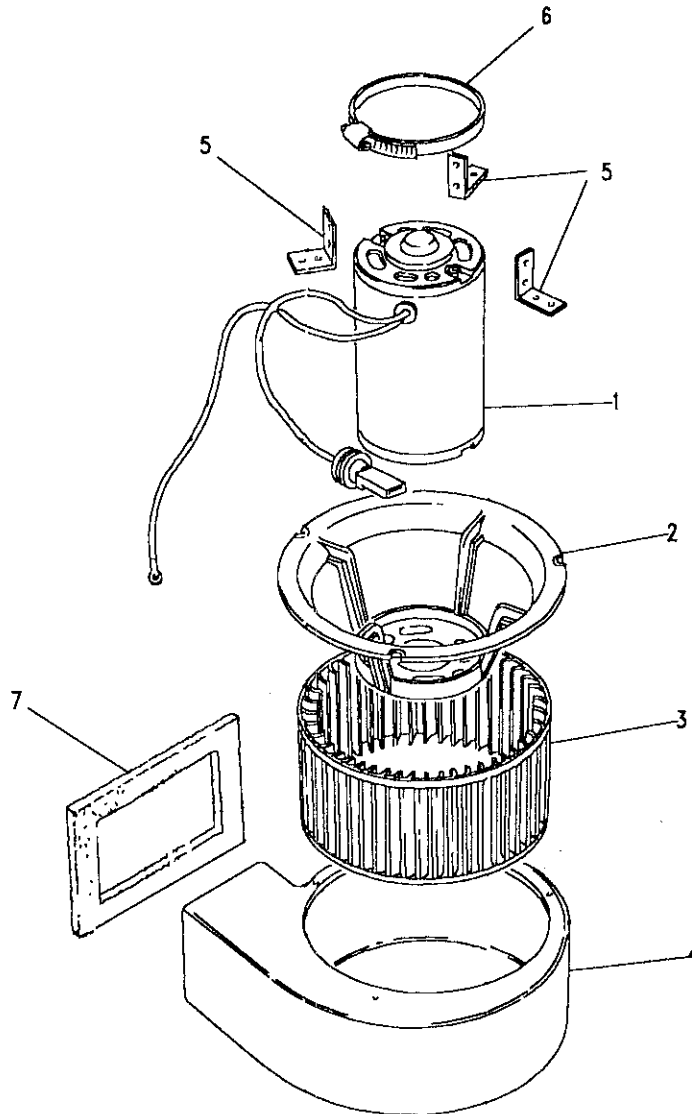


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AIR CONDITIONING - HEATER/COOLER ASSEMBLY - LHS

III. Part No.	Description	Qty	Remarks
1 RTC7588	Heater/Cooler Assembly	1	
2 RTC7456	Resistor	1	
3 RTC7433	Core heater	1	
4 RTC7434	Thermostat	1	
5 RTC7436	Evaporator	1	
AWR1177	Evaporator(cfc free)	1	
AWR1242	Evaporator(cfc free)	1	TDI
6 AEU1213	Valve expansion	1	
7 AEU1214	Clamp	1	
8 RTC7458	Pipe assembly	1	
9 RTC7457	Coupling	1	
10 AEU3055	Valve service	1	
11 RTC7439	Hose assembly	1	
12 RTC7454	Relay	1	
13 RTC7455	Harness blower	1	
14 RTC7414	Switch vacuum	1	
15 RTC7471	Seal	2	
16 RTC7472	Seal	1	
17 RTC7473	Cover	1	
18 RTC7453	Seal-to duct	1	
19 MUC4358	Adaptor R4 comp/rotolock	1	
RTC7452	Ring rotolock	2	
MUC1661	Seal-to dash	1	



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AIR CONDITIONING - HEATER/COOLER ASSEMBLY - LHS

III. Part No.	Description	Qty	Remarks
1 RTC7440	Motor blower	1	
2 RTC7468	Mounting motor	1	
3 RTC7441	Wheel blower motor	1	
4 RTC7442	Housing blower motor	1	
5 RTC7469	Bracket support	3	
6 RTC7470	Clamp	1	
7 RTC7446	Seal-bulkhead	1	
RTC7474	Seal-firewall	1	
2 MUC6050	Core heater	1	
3 MUC6037	Valve expansion	1	
4 MUC6038	Tube extension	1	
5 MUC6042	Thermostat	1	
6 MUC4375	Switch vacuum	1	
7 MUC1682	Adaptor	1	
8 MUC6040	Seal	1	
9 MUC6053	Wheel blower motor	1	
10 MUC6054	Spacer	1	
11 MUC6055	Lock nut	1	
12 MUC1675	Motor blower	1	
13 MUC6052	Seal	1	
14 MUC6056	Harness blower	1	
15 RTC7470	Clamp	1	
16 STC760	Housing blower motor	1	
17 STC761	Cover top evaporator	1	
18 STC762	Cover rotor evaporator	1	
19 STC948	Evaporator tube	1	
20 MUC4860	Seal	1	



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GROUP L

COOLING/HEATING

COOLING/HEATING

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COOLING/HEATING

GROUP L

COOLING/HEATING

COOLING/HEATING

FLUID SYSTEM - RHS

VACUUM PIPES & RESERVOIR - RHS/LHS

HEATER PIPES - 4 CYLINDER - RHS

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GROUP L

COOLING/HEATING

COOLING/HEATING

FRESH AIR DUCT - RHS

PLENUM 659 DEFROSTERS - RHS

FACIA PANEL ASSEMBLY - RHS

FRESH AIR DUCT - LHS

AIR DUCT INSULATION - LHS

HEATER CONTROLS - LHS

PLENUM CHAMBER - LHS

FACIA PANEL - LHS

DEMISTER AND FLAPS

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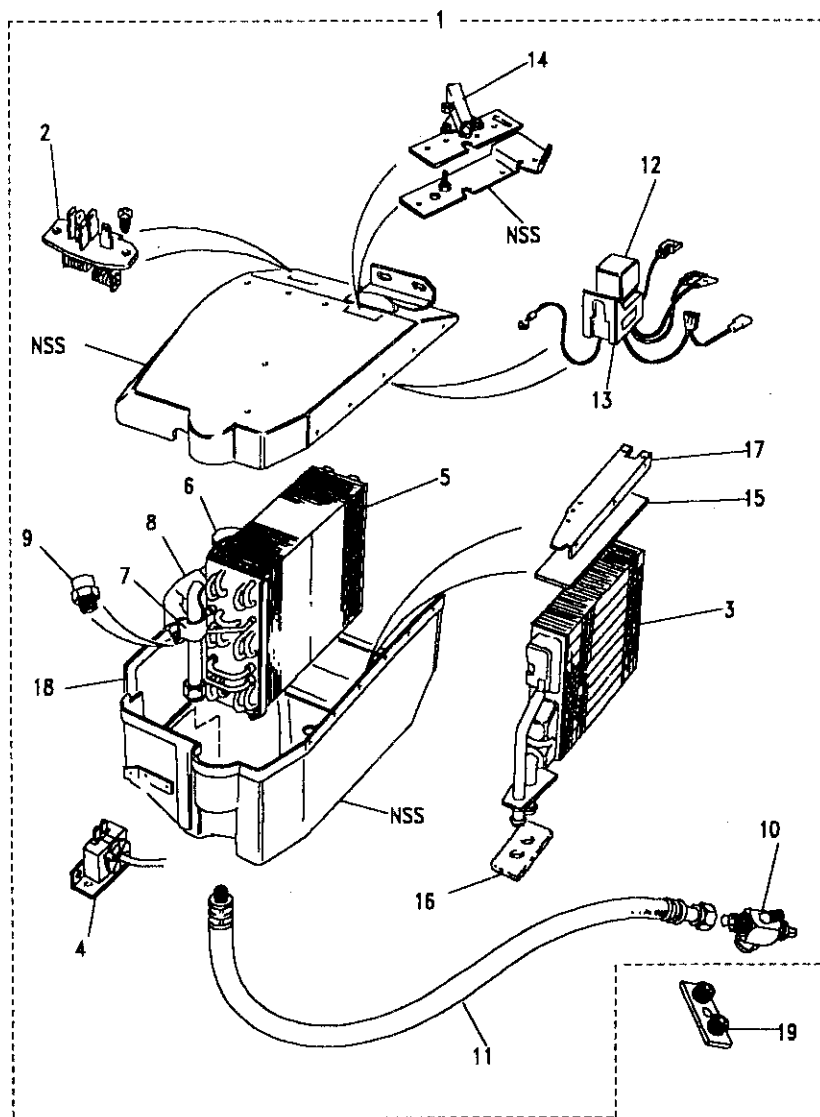
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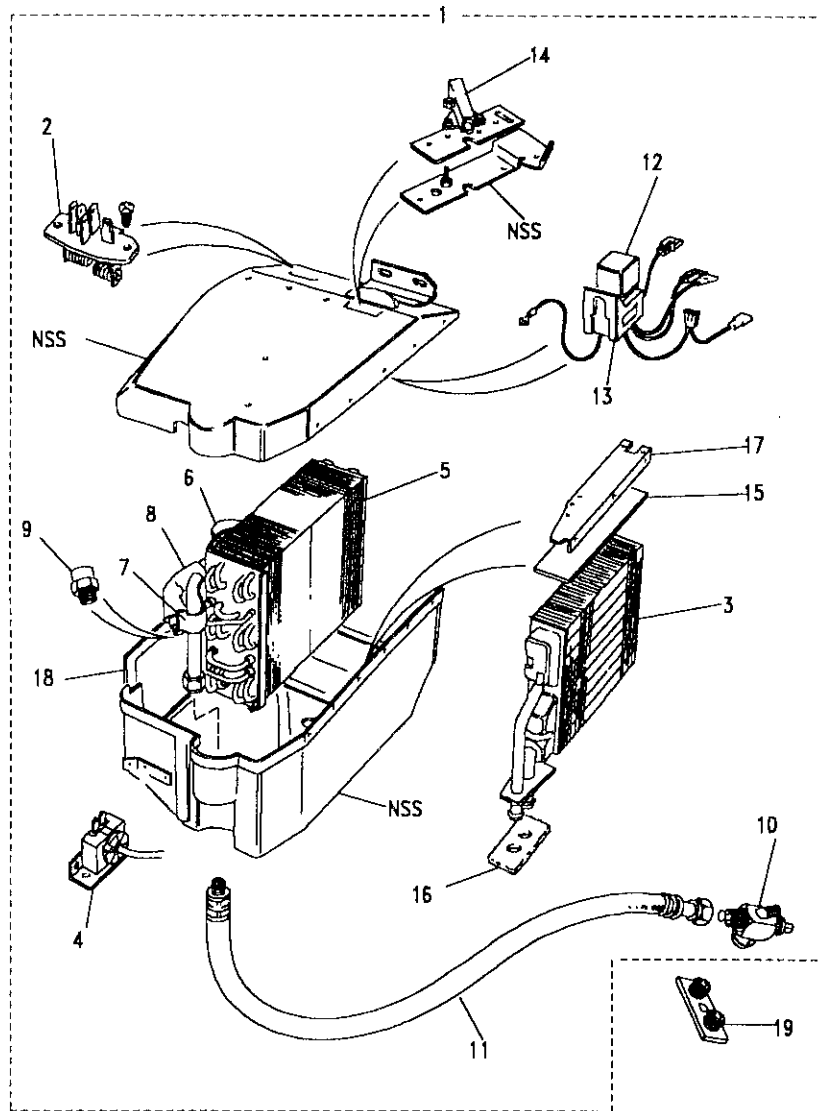


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AIR CONDITIONING - HEATER/COOLER ASSEMBLY - LHS

III. Part No.	Description	Qty	Remarks
1	RTC7588	1	Heater/Cooler Assembly
2	RTC7456	1	Resistor
3	RTC7433	1	Core heater
4	RTC7434	1	Thermostat
5	RTC7436	1	Evaporator
6	AEU1213	1	Valve expansion
7	AEU1214	1	Clamp
8	RTC7458	1	Pipe assembly
9	RTC7457	1	Coupling
10	AEU3055	1	Valve service
11	RTC7439	1	Hose assembly
12	RTC7454	1	Relay
13	RTC7455	1	Harness blower





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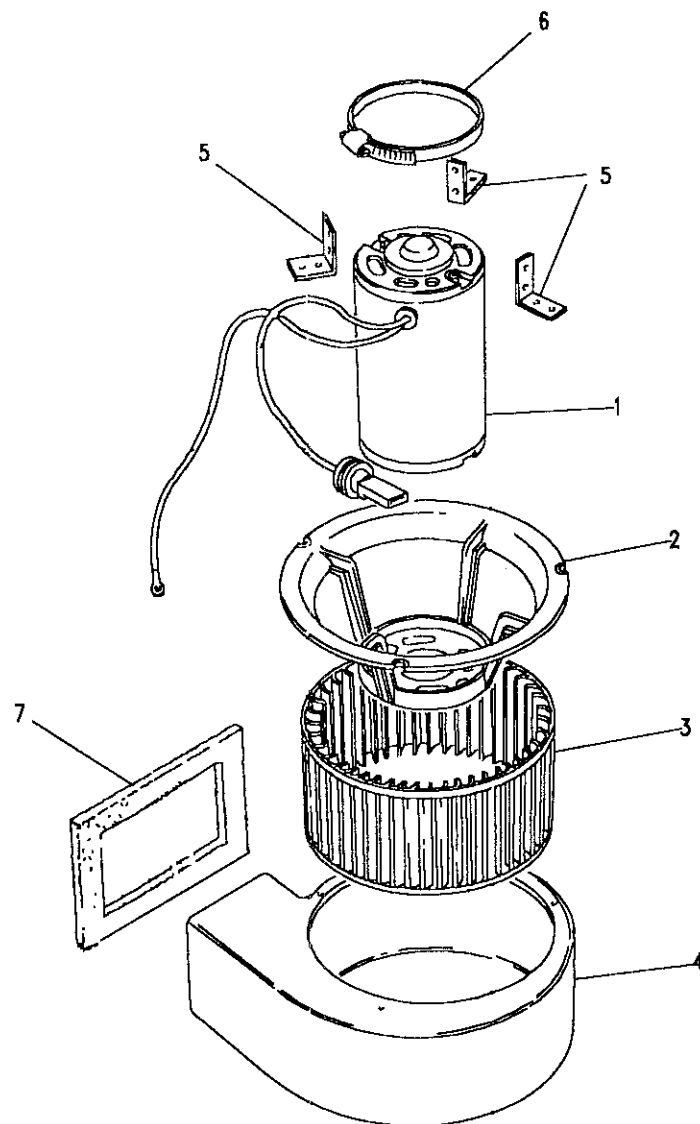
AIR CONDITIONING - HEATER/COOLER ASSEMBLY - LHS

III. Part No.	Description	Qty	Remarks
14 RTC7414	Switch vacuum	1	
15 RTC7471	Seal	2	
16 RTC7472	Seal	1	
17 RTC7473	Cover	1	
Evaporator to duct			
18 RTC7453	Seal	1	
19 MUC4358	Adaptor	1	-R4 comp/rotolock
RTC7452	Ring rotolock	2	
Evaporator to dash			
MUC1661	Seal	1	
AWR1173	Seal kit	1	

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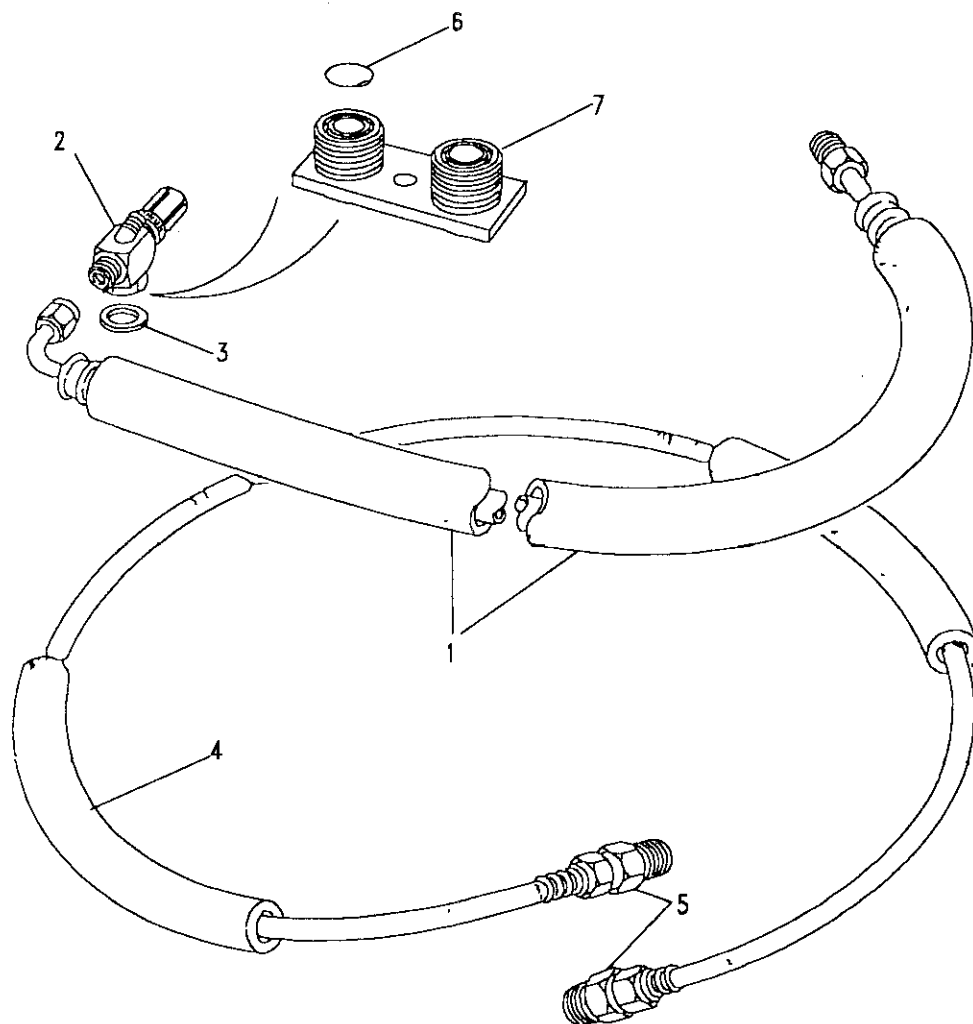
AIR CONDITIONING - HEATER/COOLER ASSEMBLY - LHS



III. Part No.	Description	Qty	Remarks
1 RTC7440	Motor blower	1	
2 RTC7468	Mounting motor	1	
3 RTC7441	Wheel blower motor	1	
4 RTC7442	Housing blower motor	1	
5 RTC7469	Bracket support	3	
6 RTC7470	Clamp	1	
7 RTC7446	Seal bulkhead	1	
RTC7474	Seal firewall	1	

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AIR CONDITIONING - FLUID SYSTEM - RHS



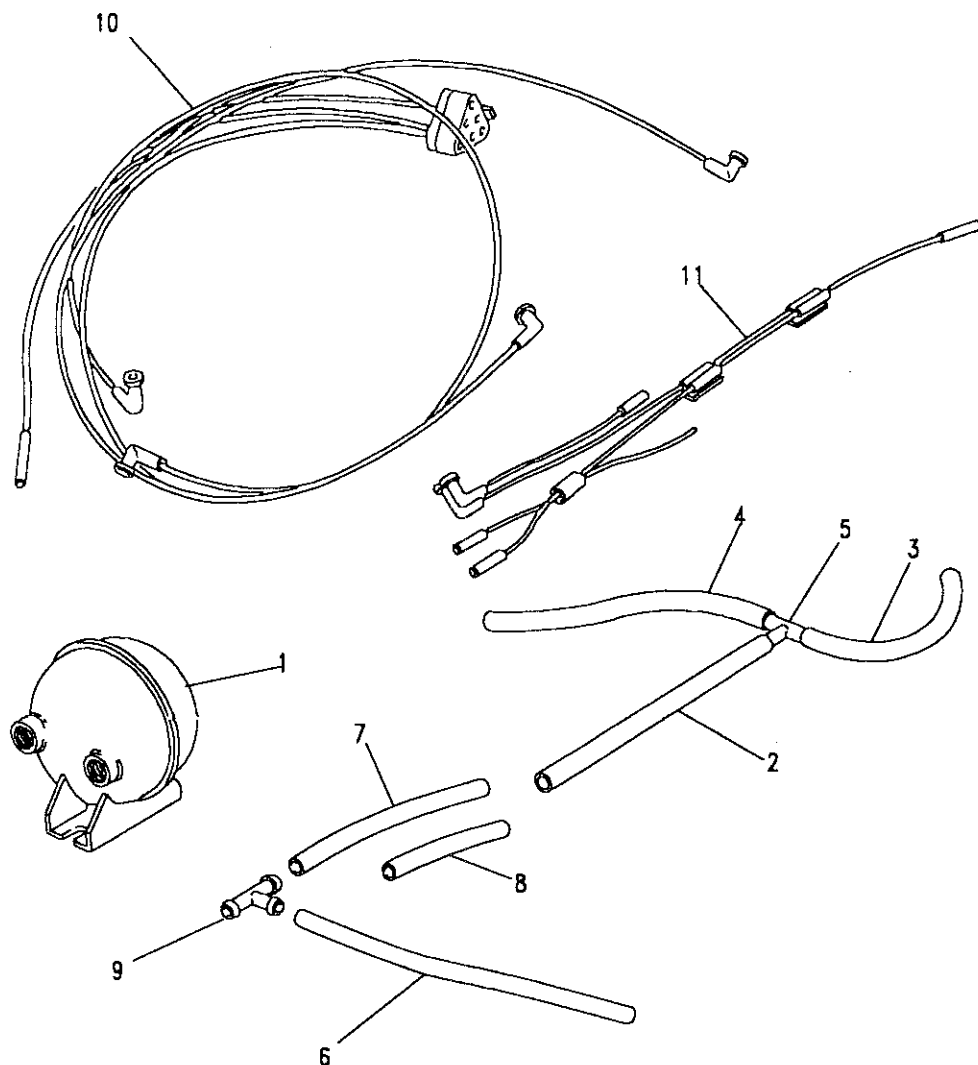
III. Part No.	Description	Qty	Remarks
1 MUC4875	Hose suction	1	
2 AEU3055	Valve service	1	
3 MUC4874	Seal	1	
4 MUC4872	Hose liquid	1	
5 RTC7457	Fitting aeroquip	2	
6 RTC7452	Ring rotolock	2	
7 MUC4358	Adaptor	1	R4 comp/rotolock
AEU1628	O ring	2	
AEU1626	O ring	1	
AEU1627	O ring	1	
AEU3056	O ring	3	

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AIR CONDITIONING - VACUUM PIPES & RESERVOIR - RHS/LHS

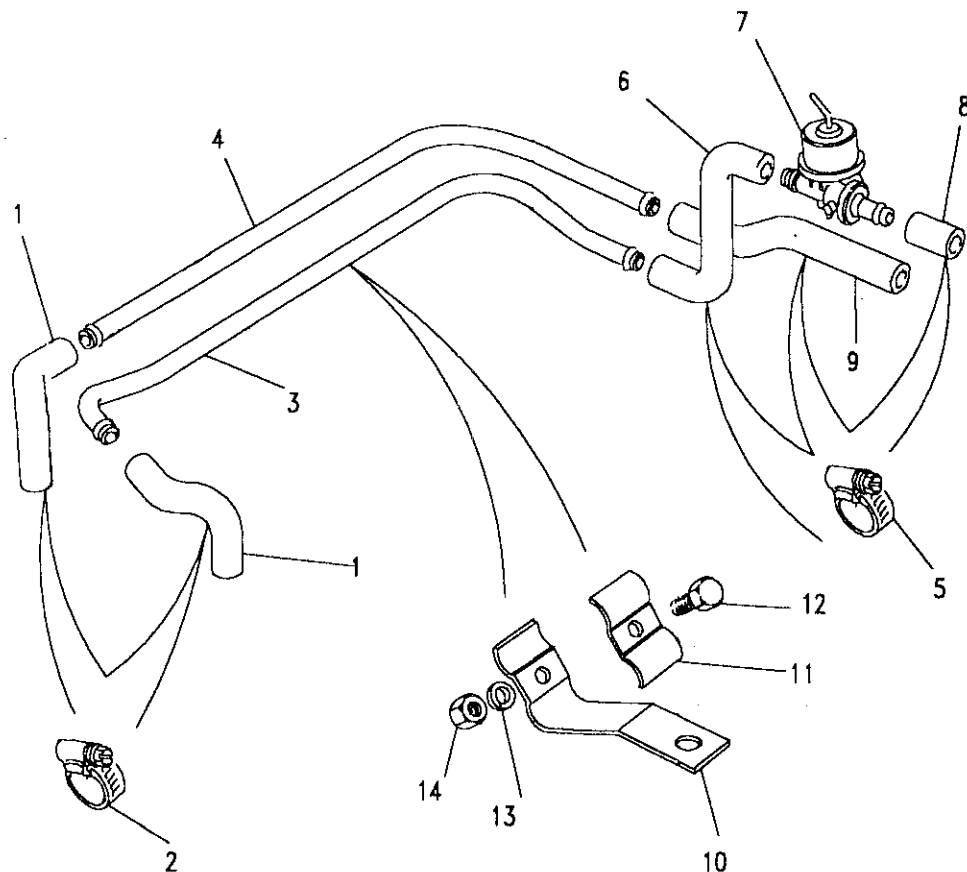
III. Part No.	Description	Qty	Remarks
1 MUC1679	Tank vacuum	1	
2 MUC4878	Hose vacuum	1	30" x 0.109375"
3	Hose vacuum	1	5" - Note(1)
4	Hose vacuum	1	20" - Note(1)
5 MUC4455	Tee piece	2	
6 MUC4866	Hose vacuum	1	10" x 0.21875
7	Hose vacuum	1	10" - Note(1)
8	Hose vacuum	1	1" - Note(1)
9 MUC4865	Tee piece	1	
10 MUC1671	Harness vacuum	1	
11 MUC4871	Harness vacuum	1	
ATU1041	Clamp hose	8	

Note(1) Use MUC4878 = 30" x 0.109375"



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AIR CONDITIONING - HEATER PIPES - 4 CYLINDER - RHS



III. Part No.	Description	Qty	Remarks
1 NRC6306	Hose heater	2	
2 CN100308L	Clip hose	2	
3 NRC6307	Pipe heater-feed	1	
4 NRC6420	Pipe heater-return	1	
5 CN100258L	Clip hose	8	
6 BTR213	Hose engine to valve	1	UptoMA939975
7 BTR9400	Hose engine to valve	1	FromMA939976
8 NRC8346	Valve water control	1	
9 ERC3964	Hose valve to heater	1	UptoMA939975
10 BTR9401	Hose valve to heater	1	FromMA939976
11 BTR214	Hose heater-return	1	UptoMA939975
12 BTR9402	Hose heater return	1	FromMA939976
13 NRC6417	Clip retaining	1	Petrol
14 NRC6418	Clip retaining	1	Diesel
15 NRC6419	Clamp pipe	1	
16 SH106251L	Screw	1	
17 WL106001L	Washer spring	1	
18 NH106041L	Nut	1	
19 ESR3301	Strap retaining	1	



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COOLING/HEATING

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GROUP L

COOLING/HEATING

COOLING/HEATING
HEATER/COOLER ASSEMBLY - LHS

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COOLING/HEATING

GROUP L

COOLING/HEATING

COOLING/HEATING

HEATER PIPES - 4 CYLINDER - LHS
HEATER PIPES - TDI - LHS
HEATER PIPES - V8 - RHS
HEATER PIPES - V8 - LHS

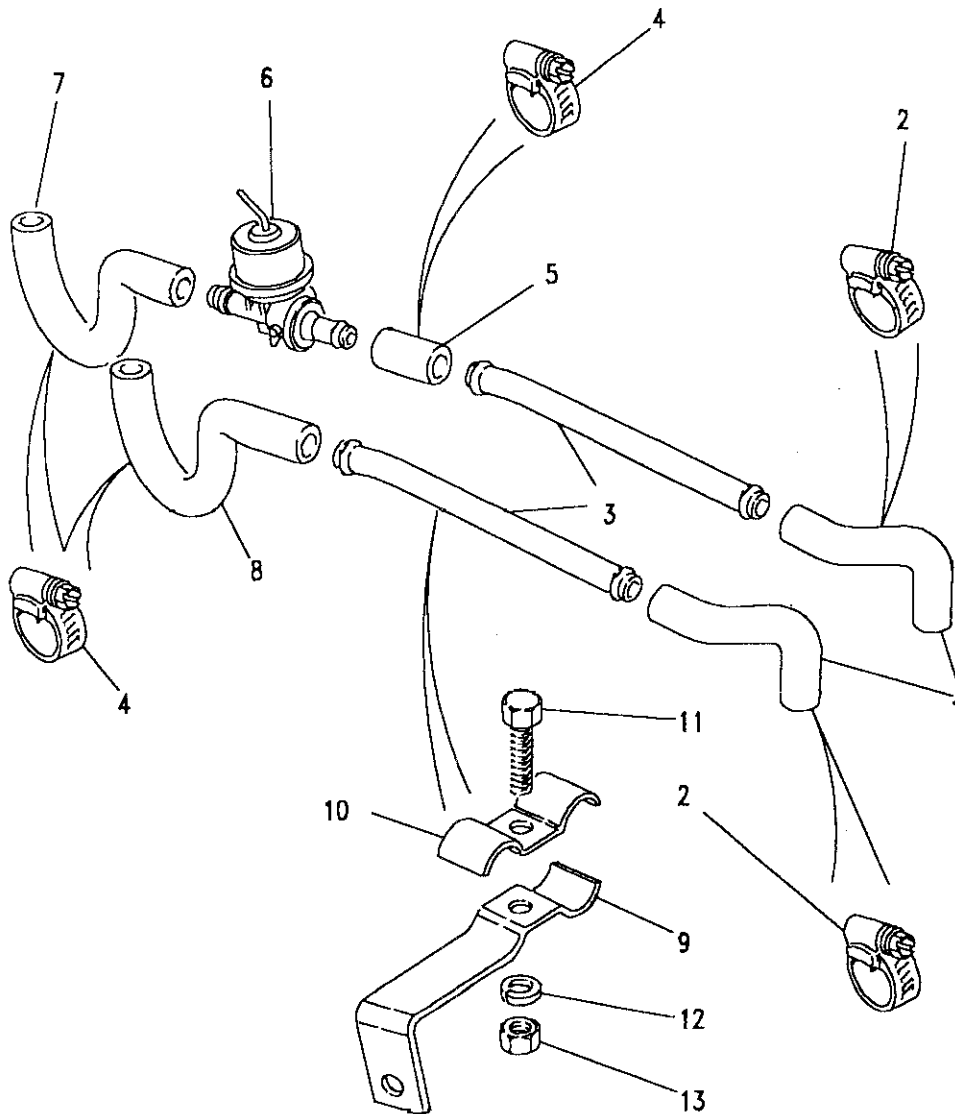
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AIR CONDITIONING - HEATER PIPES - 4 CYLINDER - LHS

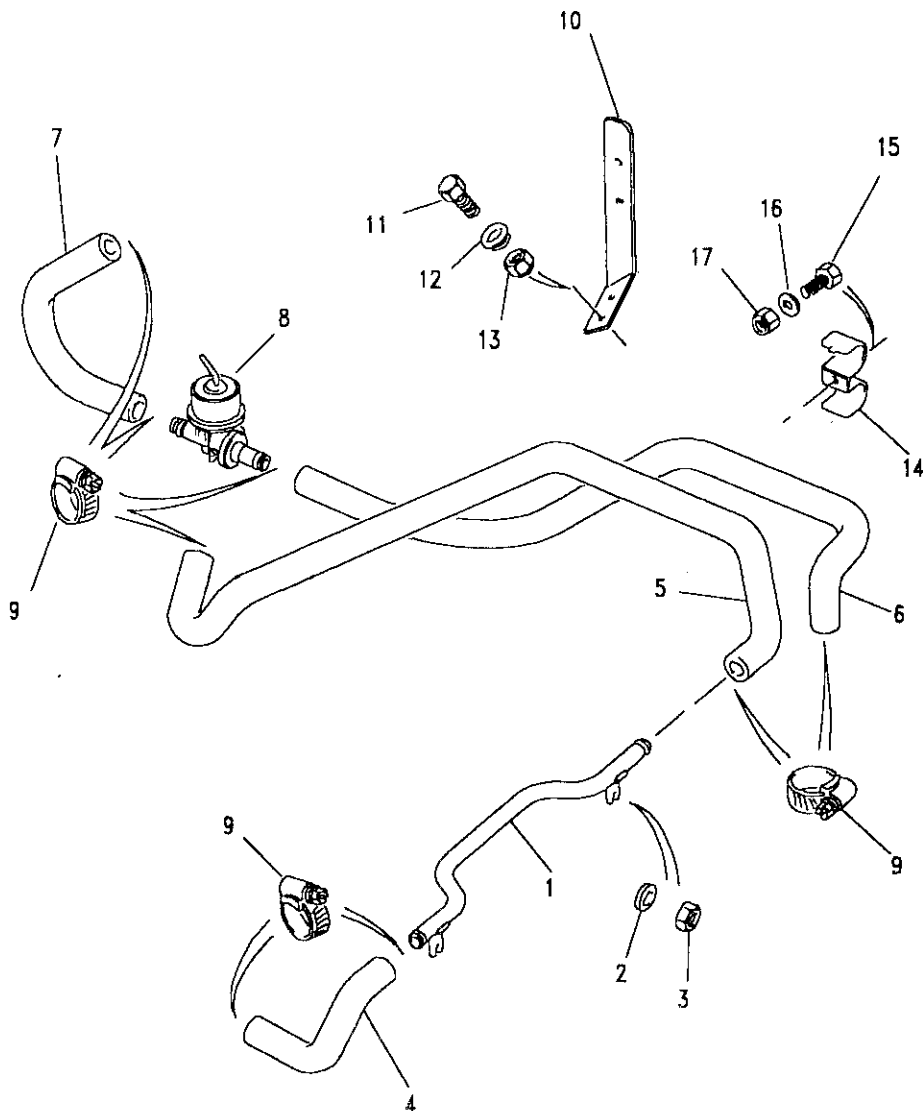
III. Part No.	Description	Qty	Remarks
1 NRC6306	Hose heater	2	
2 CN100258L	Clip hose	4	
3 NRC8245	Pipe heater	2	
4 CN100258L	Clip hose	6	
5 ERC3964	Hose heater-feed	1	
6 NRC8346	Valve water control	1	
7 NRC8347	Hose heater-feed	1	
8 NRC8247	Hose heater-return	1	
9 NRC8248	Bracket mounting	1	
10 594637	Clamp pipe	1	
11 FS106201L	Flange screw	1	
12 WL106001L	Washer spring	1	
13 NH106041L	Nut	1	
14 ESR3301	Strap retaining	1	



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AIR CONDITIONING - HEATER PIPES - TDI - LHS

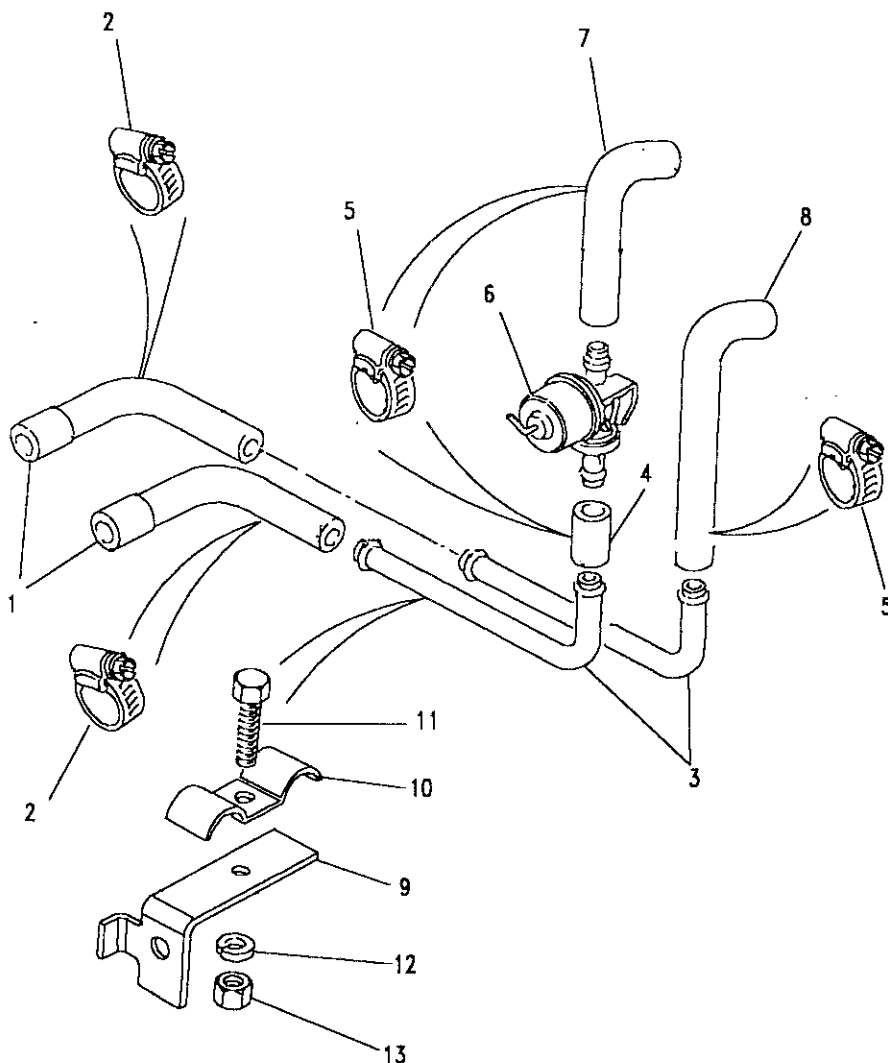
III. Part No.	Description	Qty	Remarks
1	ERR371	1	Pipe heater
2	WA110065	2	Washer plain
3	NT110041L	2	Nut
4	ERR1436	1	Hose heater-return
5	BTR984	1	Hose heater return
	AWR2334	1	Hose heater return
6	BTR985	1	Hose - valve to heater
	AWR2333	1	Hose - valve to heater
7	BTR986	1	Hose - engine to valve
	AWR2332	1	Hose - engine to valve
8	NRC8346	1	Valve water control
9	CN100258L	8	Clip hose
10	BTR987	1	Bracket support
11	SH105121L	2	Screw
12	MRC9851	2	Washer nylon
13	NY105041L	2	Nut
14	BTR988	2	Clamp pipe
15	SH105121L	2	Screw
16	WA105001L	2	Washer plain
17	NY105041L	2	Nut
18	ESR3301	1	Strap retaining



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AIR CONDITIONING - HEATER PIPES - V8 - RHS

III. Part No.	Description	Qty	Remarks
1	NRC6314	2	Hose heater
2	CN100308L	4	Clip hose
3	NRC6902	2	Pipe heater
4	ERC3964	1	Hose heater-feed
5	CN100258L	10	Clip hose
6	NRC8346	1	Valve water control
7	NTC1212	1	Hose heater-feed
8	NRC6308	1	Hose heater-return
9	NRC6903	1	Bracket support
10	NRC6419	1	Clamp pipe
11	SH106301L	1	Screw
12	WL106001L	1	Washer spring
13	NH106041L	1	Nut
14	ESR3301	1	Strap retaining

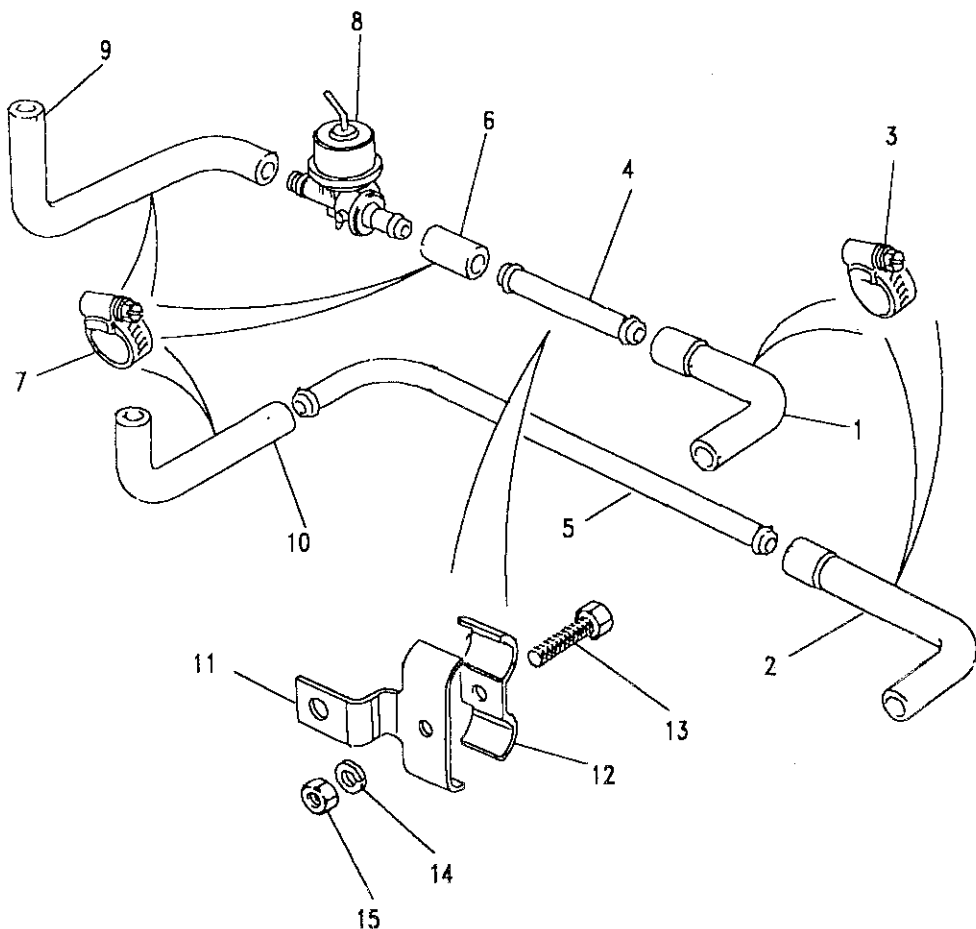


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AIR CONDITIONING - HEATER PIPES - V8 - LHS

III. Part No.	Description	Qty	Remarks
1	NRC9098	1	Hose heater-feed
2	NRC6353	1	Hose heater-return
3	CN100308L	4	Clip hose
4	NRC9091	1	Pipe heater-feed
5	NTC1090	1	Pipe heater-return
6	ERC3964	1	Hose heater-feed
7	CN100258L	7	Clip hose
8	NRC8346	1	Valve water control
9	NTC1089	1	Hose heater-feed
10	NTC1088	1	Hose heater-return
11	NRC8620	1	Bracket support
12	594637	1	Clamp pipe
13	SH106301L	1	Screw
14	WL106001L	1	Washer spring
15	NH106041L	1	Nut
16	ESR3301	1	Strap retaining





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COOLING/HEATING

COOLING/HEATING

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COOLING/HEATING

GROUP L

COOLING/HEATING

COOLING/HEATING

FLUID SYSTEM - RHS

VACUUM PIPES & RESERVOIR - RHS/LHS

HEATER PIPES - 4 CYLINDER - RHS

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GROUP L

COOLING/HEATING

COOLING/HEATING

FRESH AIR DUCT - RHS

PLENUM 659 DEFROSTERS - RHS

FACIA PANEL ASSEMBLY - RHS

FRESH AIR DUCT - LHS

AIR DUCT INSULATION - LHS

HEATER CONTROLS - LHS

PLENUM CHAMBER - LHS

FACIA PANEL - LHS

DEMISTER AND FLAPS

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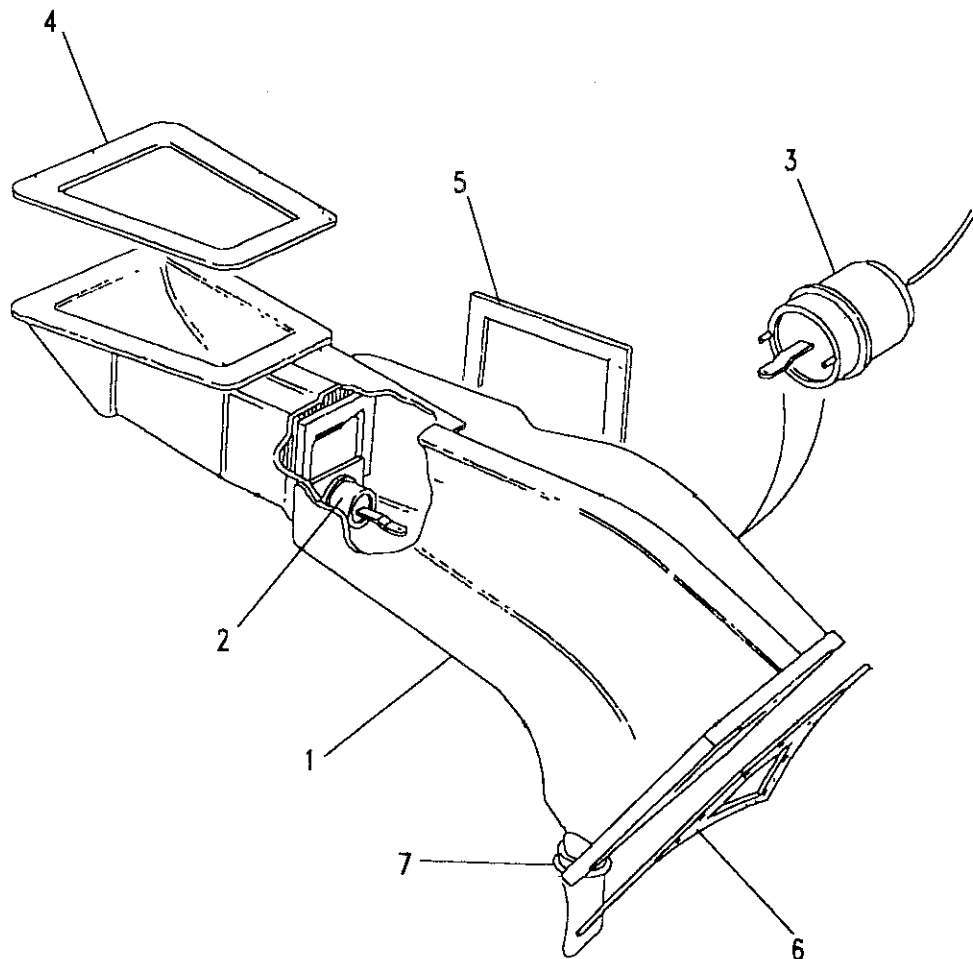
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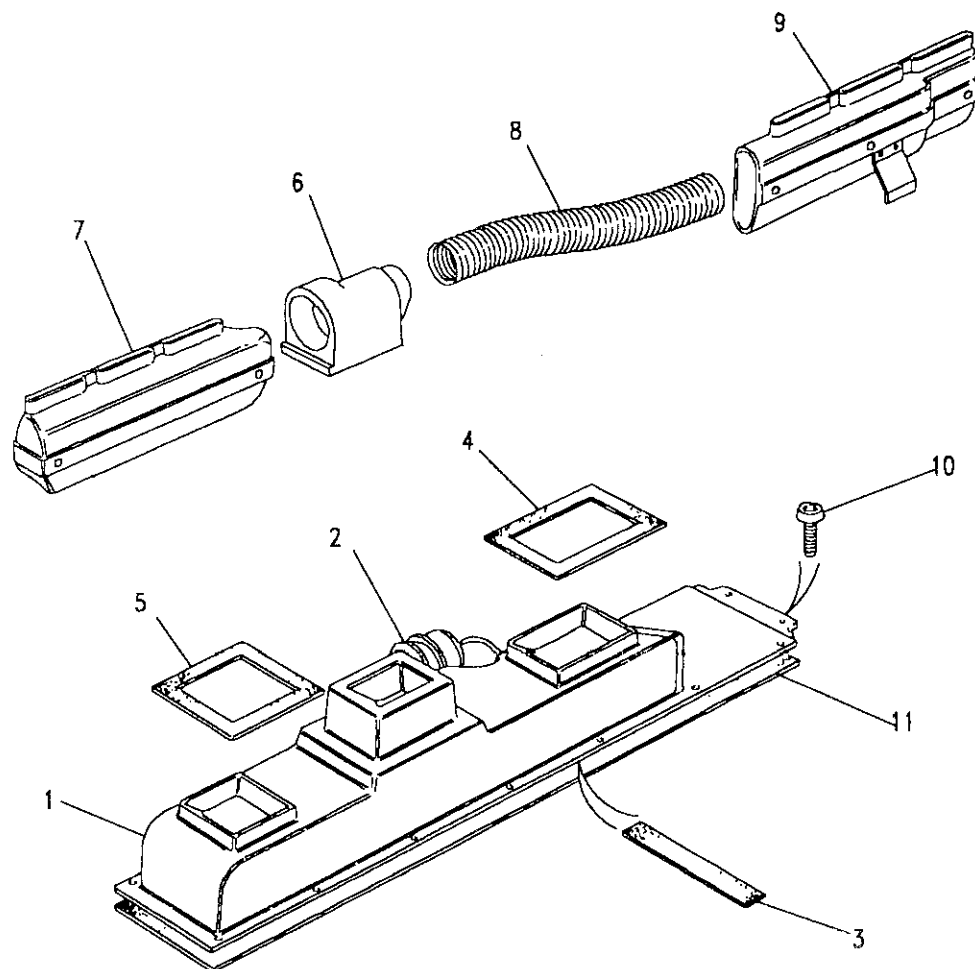
AIR CONDITIONING - FRESH AIR DUCT - RHS

III. Part No.	Description	Qty	Remarks
1 MUC1668	Duct air	1	
2 MUC4884	Motor vacuum	1	
3 RTC7467	Motor vacuum	1	
4 MUC4883	Seal - duct to wing top	1	
5 MUC4886	Seal - duct to evaporator	1	
6 MUC4888	Seal - air duct to dash	1	Upto EA332911
MWC4860	Seal - air duct to dash	1	From EA332912
7 RTC7470	Clamp	1	



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AIR CONDITIONING - PLENUM & DEFROSTERS - RHS

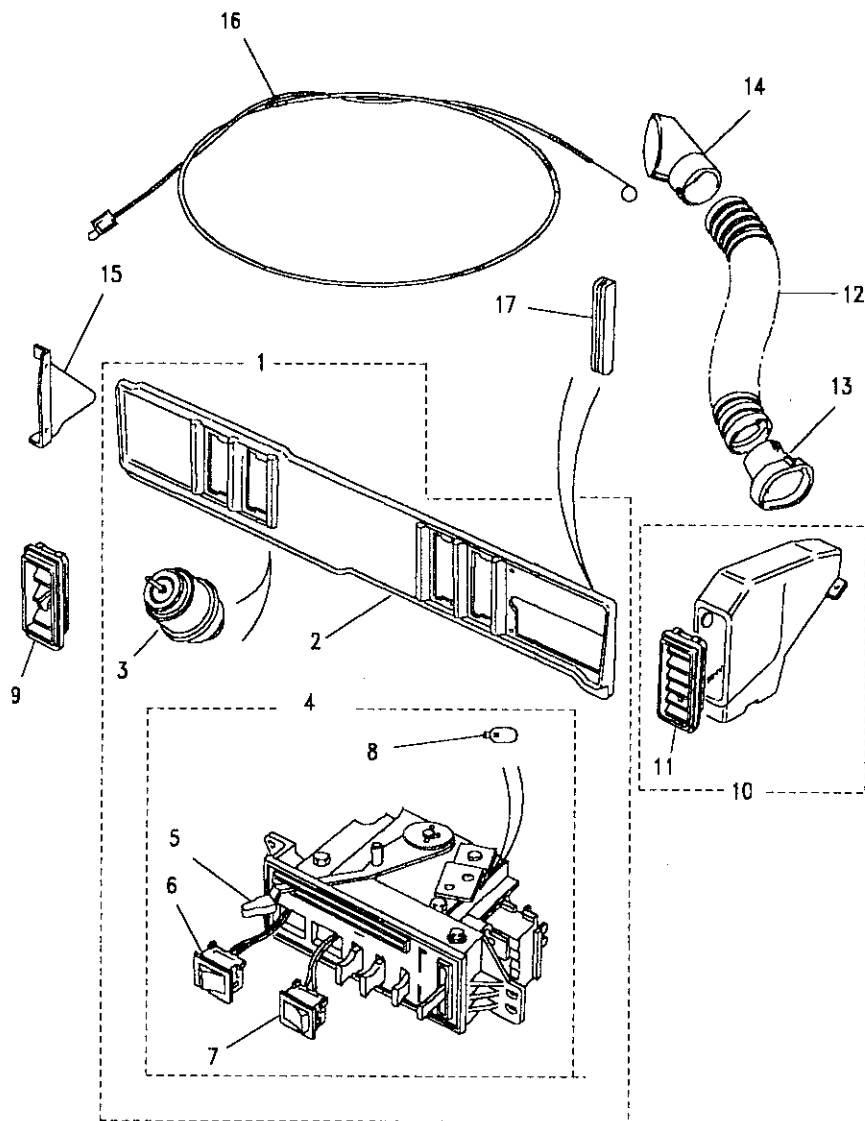


III. Part No.	Description	Qty	Remarks
1 MUC1665	Plenum chamber assembly	1	
2 AEU4002	Motor vacuum	2	
3 MUC6021	Seal	1	NLS
4 MUC4882	Seal RH	1	
5 MUC4881	Seal LH	1	
6 MUC4891	Adaptor	1	
7 MUC1673	Duct LH	1	
8 MUC4892	Hose	1	
9 MUC1674	Duct RH	1	UptoMA939975
AWR1247	Duct RH	1	FromMA939976
10 AB606021L	Screw	22	
11 MUC3695	Pad insulation	1	

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AIR CONDITIONING - FACIA PANEL ASSEMBLY - RHS

III. Part No.	Description	Qty	Remarks
1 MUC1667	Facia assembly	1	
2 MUC6001	Panel	1	UptoMA939975
AWR1245	Panel	1	FromMA939976
3 AEU4002	Motor vacuum	2	
4 MUC1666	Control assembly	1	UptoMA939975
AWR1666	Control assembly	1	FromMA939976
5 MUC6011	Knob	1	
6 MUC6012	Switch clutch	1	
7 MUC6013	Switch fresh air	1	
8 573289	Bulb	1	
9 MUC4880	Louvre	4	
10 MUC1669	Duct assembly	1	
11 RTC7411	Louvre	1	
12 MUC4895	Hose - duct to plenum	1	Upto EA332911
MXC3418	Hose - duct to plenum	1	From EA332912
13 MXC3357	Adaptor duct	1	From EA332912
14 MXC3358	Adaptor plenum	1	From EA332912
15 MUC1670	Finisher	1	
16 MUC1680	Cable control	1	
17 RTC7465	Finisher	1	





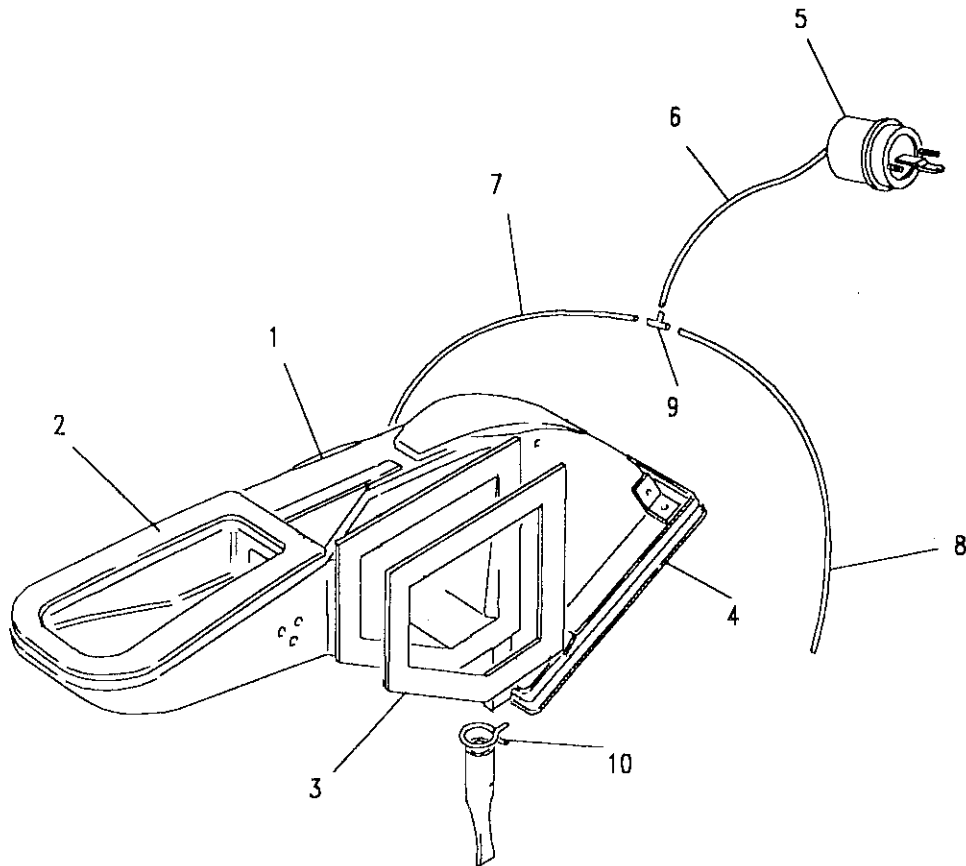
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COOLING/HEATING

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AIR CONDITIONING - FRESH AIR DUCT - LHS



III. Part No.	Description	Qty	Remarks
1 MTC5571	Duct air	1	
2 RTC7461	Seal - duct to wing top	1	
3 RTC7460	Seal - duct to evaporator	1	
4 RTC7459	Seal - air duct to dash	1	
5 AEU4002	Motor vacuum	1	
6	Hose vacuum	1	5" Note(1)
7	Hose vacuum	1	12" Note(1)
8	Hose vacuum	1	9" Note(1)
9 MUC4455	Tee piece	1	
10 RTC7470	Clamp	1	
ATU1041	Clamp hose	8	

Note(1) Use MUC4878 = 30" x 0.109375"





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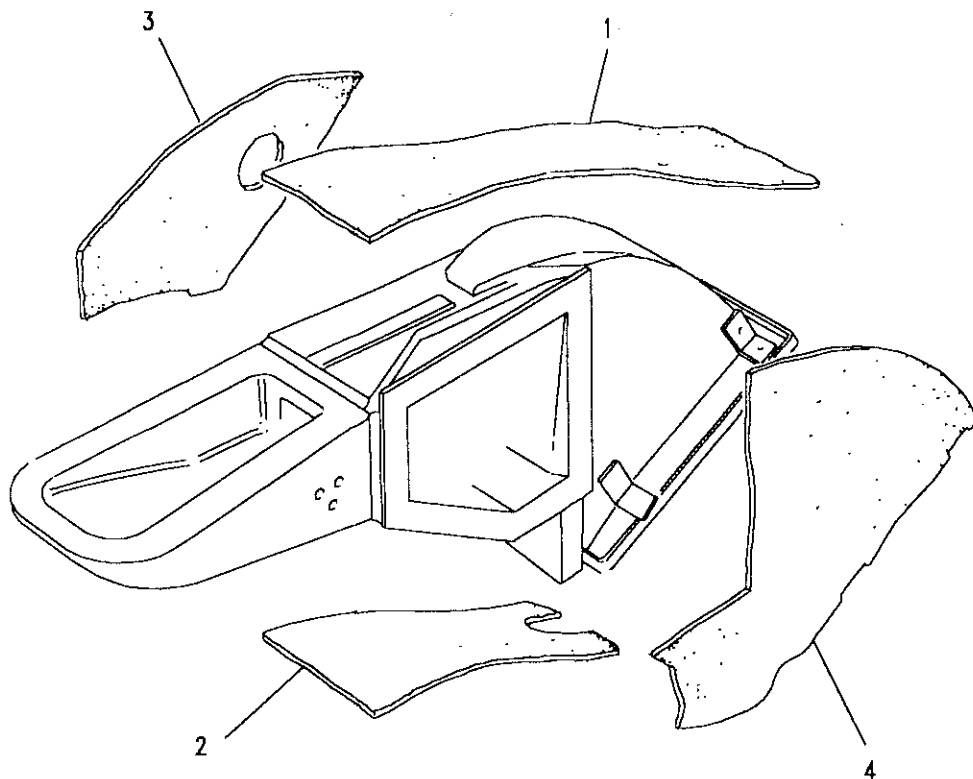
COOLING/HEATING

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AIR CONDITIONING - AIR DUCT INSULATION - LHS

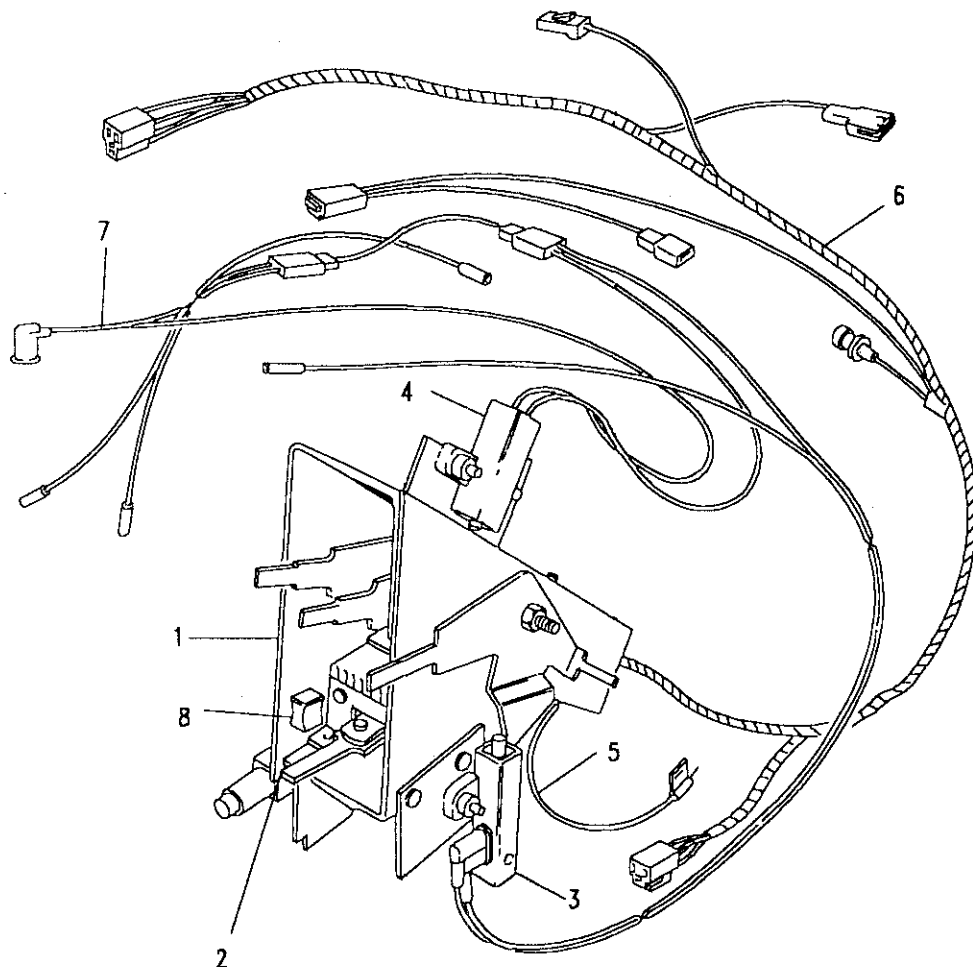
III. Part No.	Description	Qty	Remarks
1 MUC1657	Insulation top	1	
2 MUC1658	Insulation bottom	1	
3 MUC1659	Insulation outer	1	
4 MUC1660	Insulation inner	1	



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AIR CONDITIONING - HEATER CONTROLS - LHS

III. Part No.	Description	Qty	Remarks
1 MTC5573	Control heater	1	UptoMA939976
AWR1179	Control heater	1	FromMA939976
2 AEU1205	Switch fan speed	1	
3 RTC7443	Switch vacuum	1	
4 RTC7451	Switch vacuum	1	
5 RTC7445	Cable control	1	Short
6 RTC7448	Harness electric	1	
7 RTC7466	Harness vacuum	1	
8 AEU1198	Knob	4	

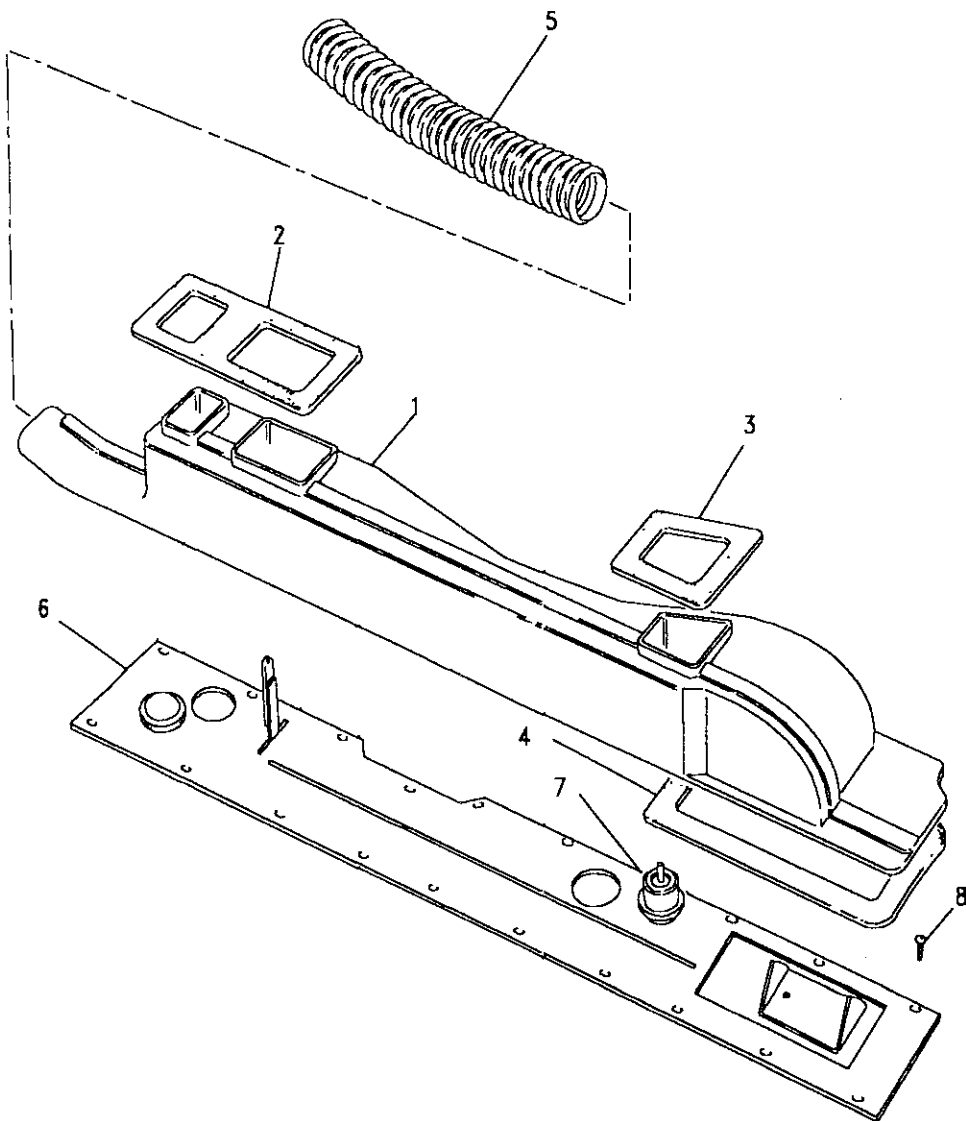


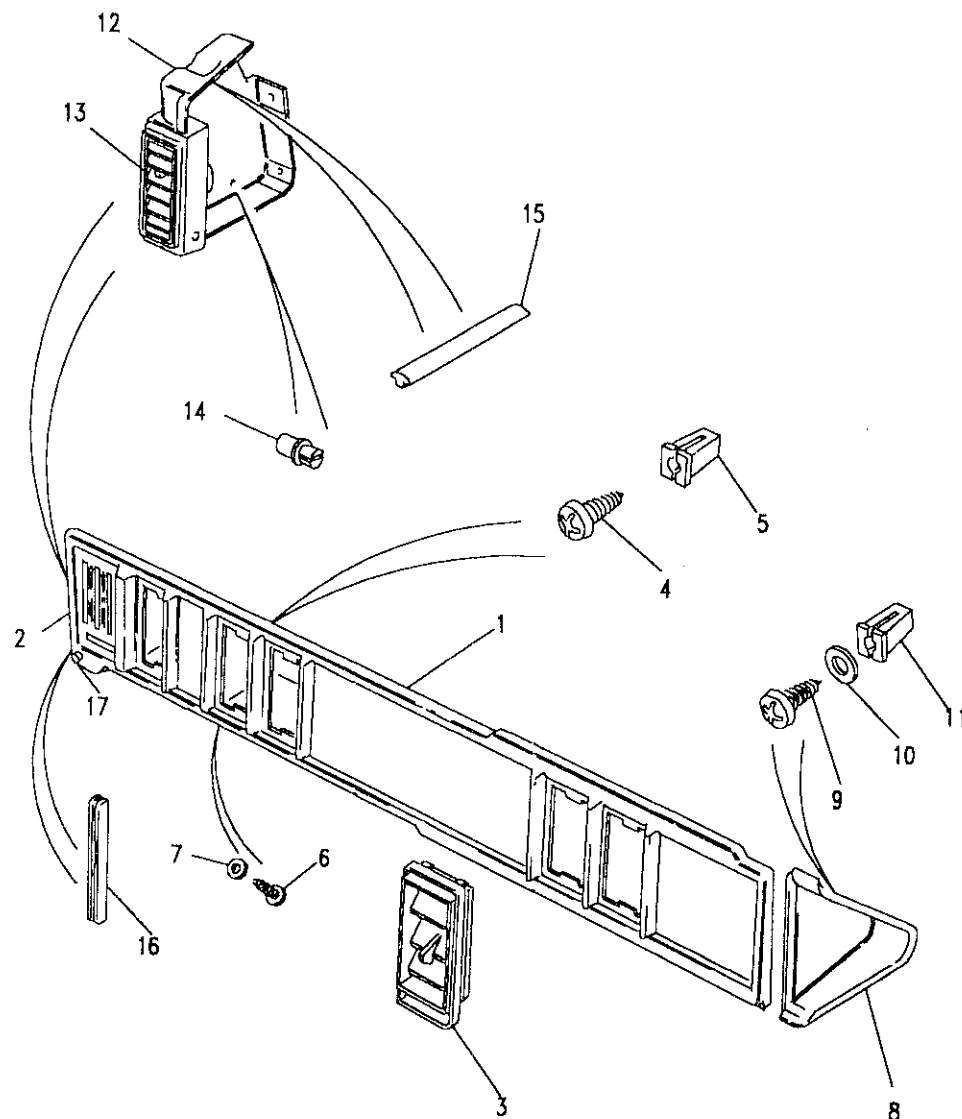
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AIR CONDITIONING - PLENUM CHAMBER - LHS

III. Part No.	Description	Qty	Remarks
1 RTC7408	Plenum chamber assembly	1	
AWR1174	Plenum extension	1	FromMA939976
2 RTC7462	Seal outlet	1	
3 RTC7463	Seal outlet	1	
4 RTC7464	Seal inlet	1	
5 RTC7409	Hose	1	
6 RTC7415	Panel closing	1	UptoMA939975
AWR1448	Panel closing	1	FromMA939976
7 AEU4002	Motor vacuum	1	
8 AB606021	Screw	22	

Plenum chamber to toe box
367078
Spacer
A/R





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AIR CONDITIONING - FACIA PANEL - LHS

Ill. Part No.	Description	Qty	Remarks
1	RTC7450	1	Facia assembly
2	AEU4000	1	Plate instruction
3	AEU4001	5	Louvre
	AWR1169	5	Louvre
Facia to front plate			
4	AC608065	2	Screw
5	ACU5431	2	Nut lokut
6	AB608051	2	Screw
7	WC105001	2	Washer plain
Facia panel end finishers			
8	MTC5581	1	Finisher
9	AW606124	1	Screw
10	WA104004	1	Washer plain
11	ACU5431	1	Nut lokut
12	RTC7410	1	Finisher assembly
	AWR1170	1	Finisher assembly
13	RTC7411	1	Louvre
14	79086	1	Rivet rokut
15	MTC7516	1	Finisher
16	RTC7465	1	Finisher
17	RTC7412	1	Switch illuminated
	RTC7413	1	Bulb

UptoMA939975
 FromMA939976

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AIR CONDITIONING - DEMISTER AND FLAPS

III. Part No.	Description	Qty	Remarks
1 NRC9668	Nozzle RH	1	LHS
MXC3188	Nozzle RH	1	200Tdi LHS
BTR1600	Nozzle RH	1	Upto VIN JA906639
1 NRC9669	Nozzle LH	1	200Tdi LHS
MXC3189	Nozzle LH	1	From VIN JA906640
BTR1599	Nozzle LH	1	LHS
2 AB608047L	Screw	2	200Tdi LHS
3 WA105001	Washer plain	2	Upto VIN JA906639

Fixings - 200Tdi LHS

AB608054L	Screw	4	
RTC3745	Nut lokut	1	RH nozzle
AK608021	Nut spring	1	RH nozzle
4 MRC7279	Flexible Tube	2	LHS
5 MRC7281	Grommet	2	LHS
6 MUC1139	Outlet flaps assy LHS	1	Upto HA905497
BTR1347	Outlet flaps assy LHS	1	NLA use BTR1347
MUC3278	Outlet flaps assy RHS	1	From HA905498
BTR1348	Outlet flaps assy RHS	1	Upto JA908189
7 MTC5578	Actuating bar	1	NLA use BTR1348
8 346796	Spring	2	From JA908190
9 395829	Grille outlet RH	1	
395830	Grille outlet LH	1	
10 MRC1525	Screw	4	

