

Section S - Heating & Ventilation

N.B. Heating & Vent. part numbers begin with (P)

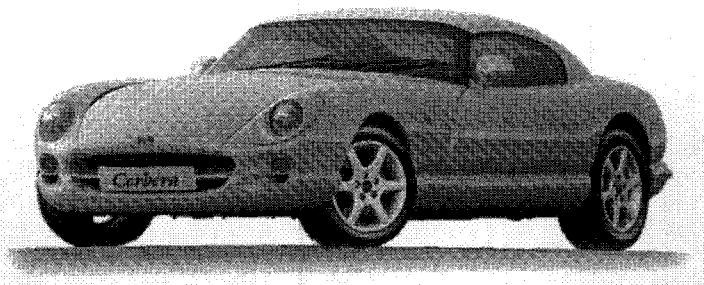
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Service / Workshop Manual

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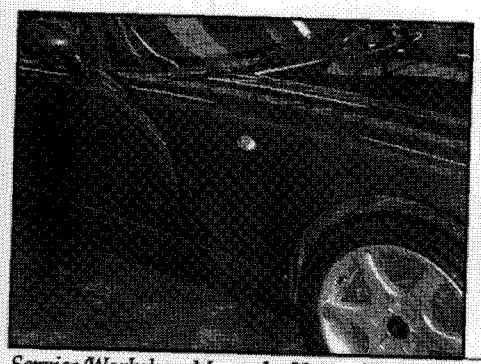
Warning: Under no circumstances should any operation involving the charging and discharging of AC 134A refridgerant be undertaken by persons other than qualified AC specialist.



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Service/Workshop Manual - Heater/Cooler Box

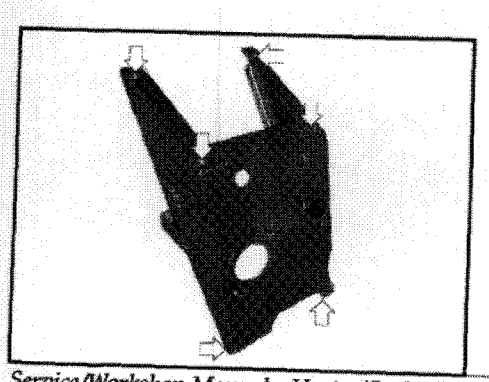
The system which heats and cools the car is made up of two boxes, one located in the O/S front wing which produces cool air and the other in located in the N/S front wing which produces warm air.
A = Cooler Box (Air Con), B = Heater Box.



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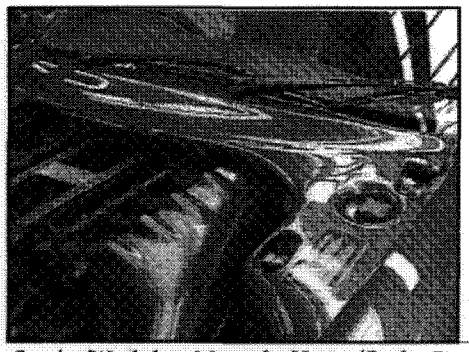
Removal of the Cooling box
To remove the cooling box, which is located in the O/S front wheel arch, the pedal box and steering column assemblies have to be removed. (please refer to the steering section for information on steering column removal).



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Service/Workshop Manual - Heater/Cooler Box

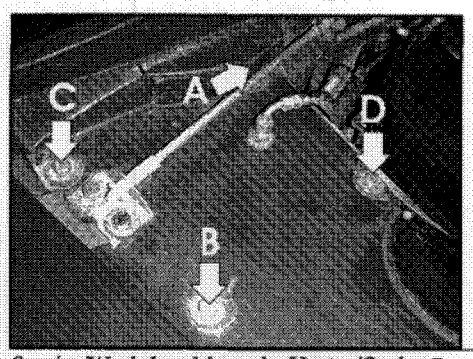
The pedal box is secured to the body in two areas. One in the engine bay and the other in the inner wheel arch.



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To gain access to the bolts which secure the pedal box to the engine bay remove the scoop panel by removing the 2 x M6 allen bolts.

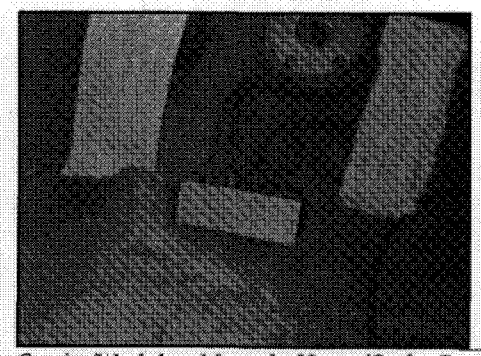
Service/Workshop Manual - Heater/Cooler Box



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The pedal box is secured to the top of the engine bay by four bolts. However the fourth bolt is hidden by the wiper motor assembily. This bolt is accessible by removing the grommet - (A).
N.B. At this stage only bolts A,B, should be removed and bolts C,D, should be left to hold the box in position until the next stage has been completed.

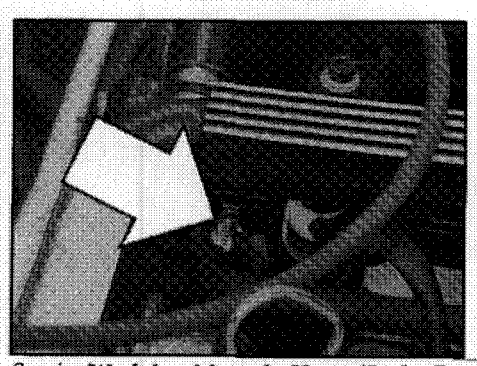
Service/Workshop Manual - Heater/Cooler Box



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Then disconnect the brake piping from the aluminium union inside the drivers footwell.

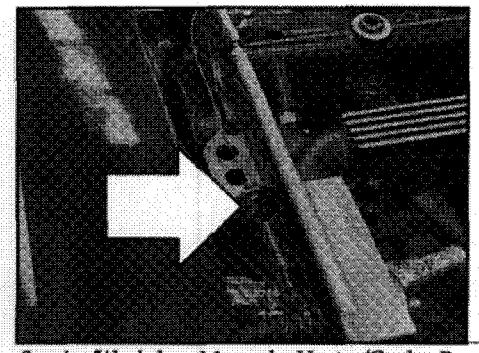
Service/Workshop Manual - Heater/Cooler Box



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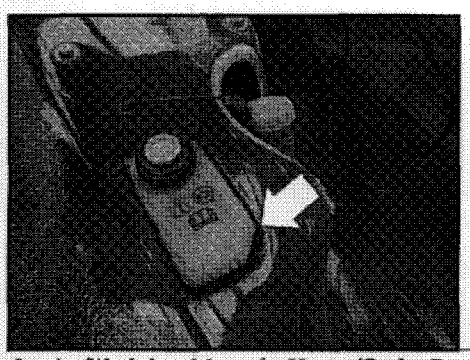
Undo the Jubilee clip which secures the vacuum pipe to the N/S inlet manifold.

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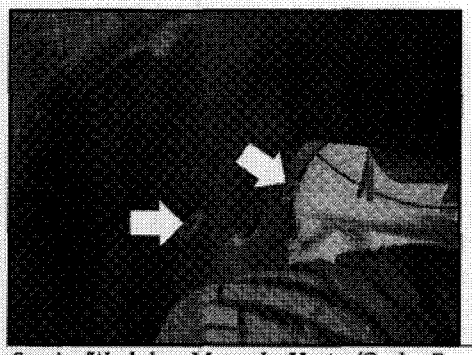
9

Undo the throttle cable at the throttle cable bracket which is located on the N/S inlet manifold.



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Remove seal from around brake fluid reservoir.



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Next remove the 2 x M8 bolts and washers located in the wheel arch which secure the pedal box at the bottom. Once these two bolts have been removed then the two upper securing bolts (which where left in position from stage 6) can be removed.



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Once this has be done then the pedal box assembly can be removed remembering to push the throttle cable and vacuum pipe through the access hole for the clutch reservoir.



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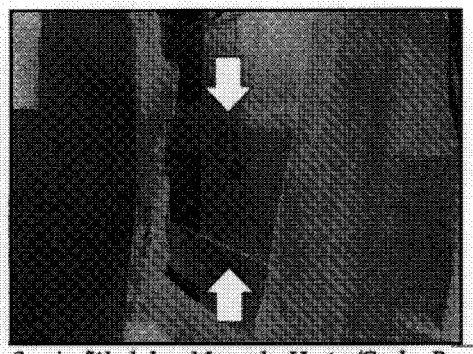
Once the pedal box assembly has been removed, lift the carpet on the rightside of the drivers footwell to reveal the cooling box covering panel.



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Remove this panel by removing the securing tape and self taping screws.



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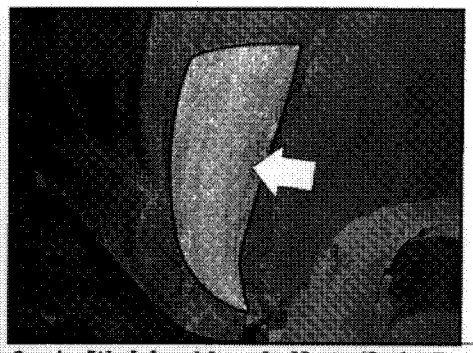
Remove the two securing brackets from both the body of the car and the cooler box.



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(Warning: Under no circumstances should any operation involving the charging and discharging of AC 134A refridgerant be undertaken by persons other than qualified AC specilists.)
If A/Con, disconnect the A/Con piping. One pipe connects to the fuel cooler and the smaller pipe connects to the reciever dryer which is located in the the front of the N/S wheel arch.
N.B. Ensure to cap any open orfices to the receiver dryer.



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Next the access panel from the front drivers wheel arch will have to be removed. This will provide better access to the cooler box when you come to remove it.

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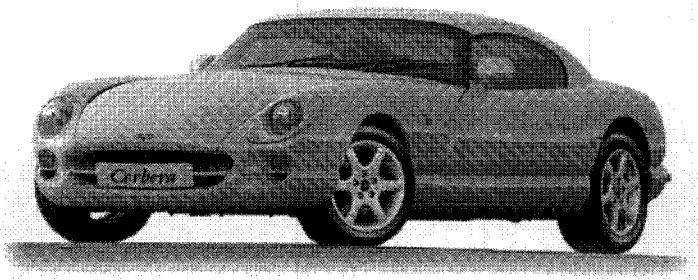
18

You can now remove the cooler box.
However a second person will be needed to guide the A/con piping through the body of the car while the cooler box is being removed.
N.B. When replacing a cooler box ensure that:

A) All A/Con piping has no kinks
B) You have a good seal around the coolant reservoir.

Service/Workshop Manual - Heater/Cooler Box

Notes



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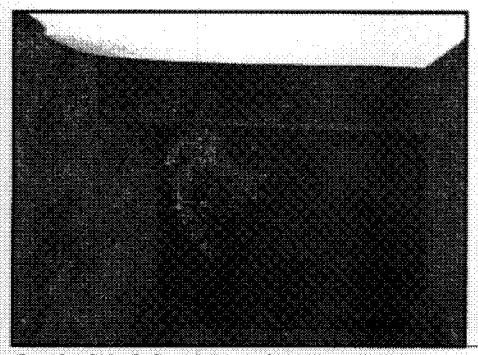
Hot Air Box - Removal & Replacement



Service/Workshop Manual - Hot Air Box

1

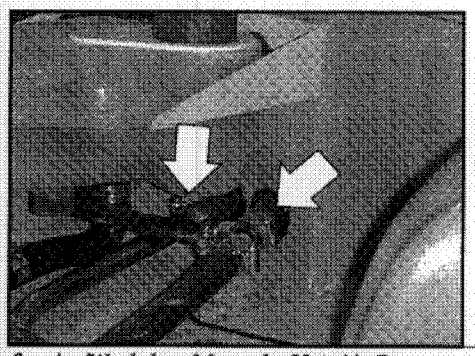
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Service/Workshop Manual - Hot Air Box

2

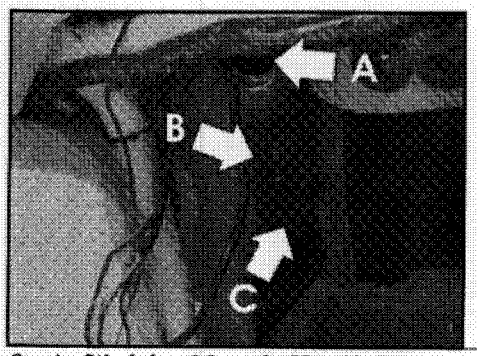
To remove the heater box, which is located in the N/S front wheel arch, remove the kick panel and carpet on the leftside of the passenger footwell to reveal the covering panel.



Service/Workshop Manual - Hot Air Box

3

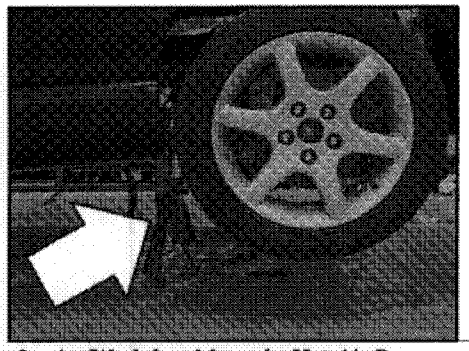
Next remove the expansion bottle from under the scoop panel which is secured by 2 X M6 bolts. Then disconnect the two jubilee clips which secure the water pipes.



Service/Workshop Manual - Hot Air Box

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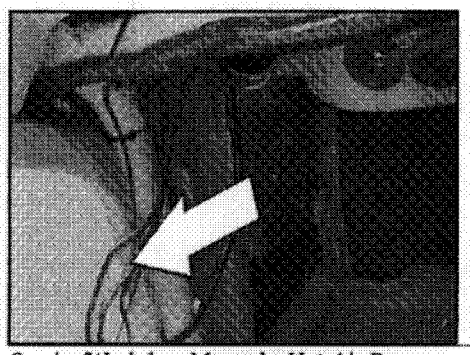
From inside of the car remove the heater boxes two securing brackets from both the car and the haeter box and the main blower pipe (which is secured by a jubilee clip).
A= Blower pipe
B= Securing bracket 1
B= Securing bracket 2



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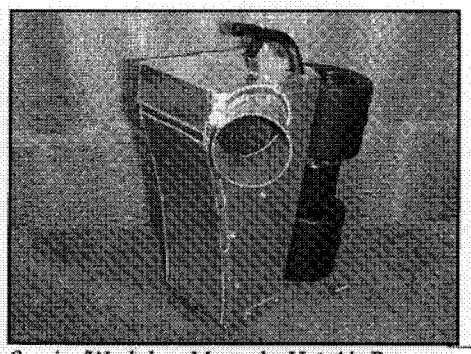
Jack up the front end of the car and lower onto axle stands. Then remove the N/S front wheel and remove the access panel which is located in the wheel arch.



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Next you can carefully remove the Heater Box from the body of the car ensuring to disconnect the wiring to the blower motor.



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Once the Heater box assembily has been removed from the car it can either be worked on or replaced. To replace a heater box reverse the outlined procedure.