



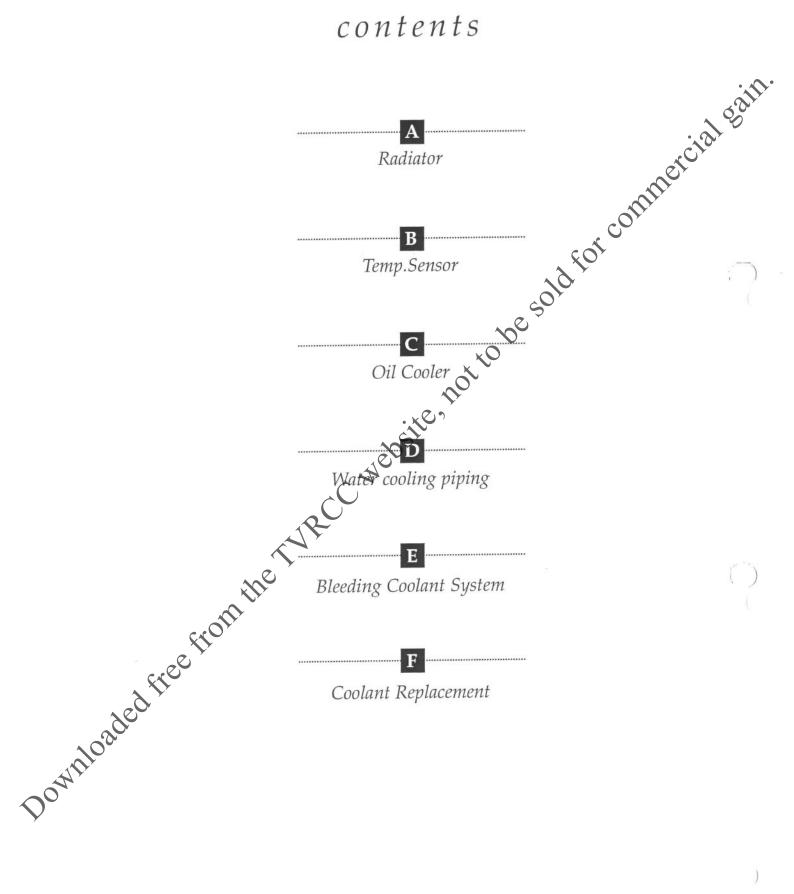
Section N - Coolings by stem

N.B. Cooling System part number along with (K)

Downtooded Free from the Type Constitute of the part of the



contents





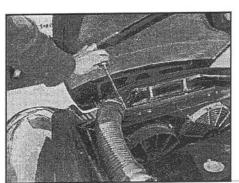




Radiator - Removal/Replacement Procedure

Service/Workshop Manual - Radiator

Remove the air flow sensor plug which is situated on the N/S of the car.



Service/Workshop Manual - Radiator

Remove the inlet ducts from the air filter box by loosening the Jubilee clips. The solution of the solution of

2



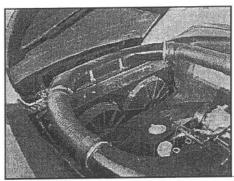
Service/Workshop Manual Badiator

Next remove the split pins on the two securing clips on the front of the box and undo the clips.



Service/Workshop Manual - Radiator

The filter housing should now come free.



Service/Workshop Manual - Radiator

To gain access to the radiator remove the F1 panel.



Service/Workshop Manual - Radiator

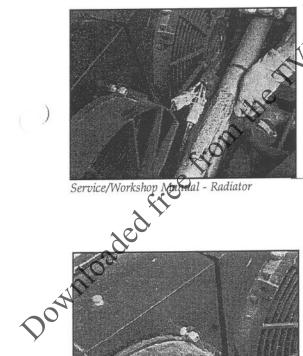
Remove the top and bottom radiator hoses.
Starting with the bottom to allow fluid to dout. Remove the top and bottom radiator hoses.
Starting with the bottom to allow fluid to drain out.

6

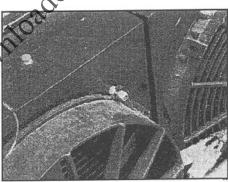
If A

7

8

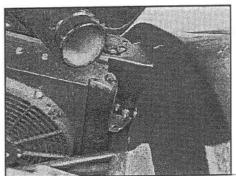


If standard disconnect single fan wiring.



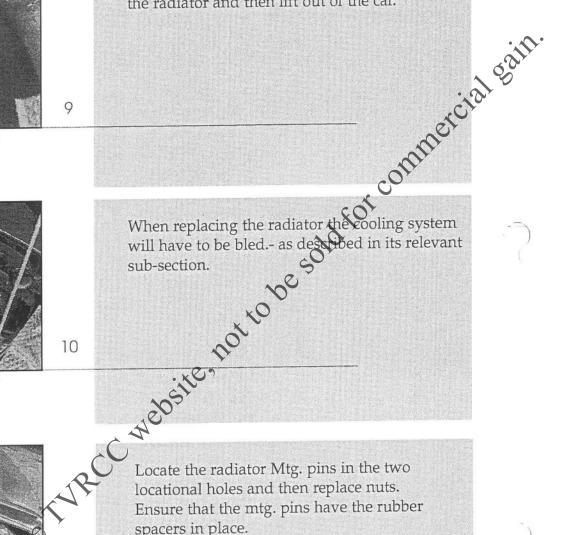
Service/Workshop Manual - Radiator

If A/Con remove the largest fan by unbolting the 4 x M6 nyloc nuts.

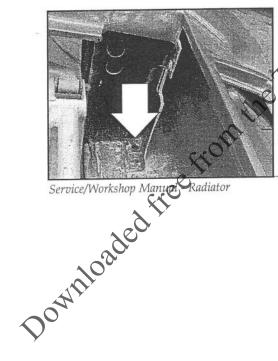


Service/Workshop Manual - Radiator

Remove the 2 securing M8 nut on each side of the radiator and then lift out of the car.



Service/Workshop Manual - Radiator



Ensure that the mtg. pins have the rubber spacers in place. Coolant Specification 3 parts water to 1 anti-freeze. Capacity 15 litres.

Notes

Downloaded free from the TYRCC website, not to be sold for commercial gain.





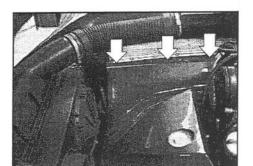




Service/Workshop Manual - Temp Sensor

Temp. Sensor - Removal/Replacement Procedure

The temperature sensor for the cooling system is located in the engine bay under the F1 panel.

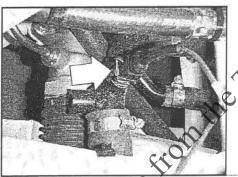


Service/Workshop Manual - Temp Sensor

Remove the 6 x M8 allen bolts which secures the F1 panel.

The secures

2

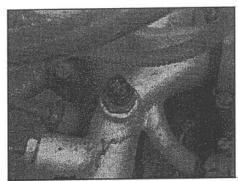


The sensor is located on the top of the outlet cooling pipes - as shown.

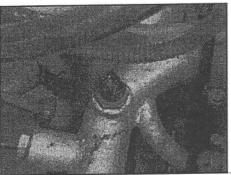
Service/Workshop Manual Omp Sensor

Service/Workshop Manual - Temp Sensor

To remove unclip the sensor connector.



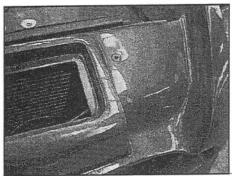
Unscrew the sensor from the coolant piping. The sensor is connected directly to the ECU which determines when the fans come on.



To replace reverse the outlined procedure.
Ensure to bleed system of reassembly.



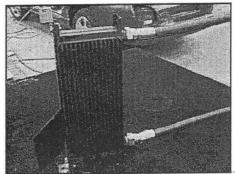




Service/Workshop Manual - Oil Cooler

To remove the oil coolant matrix firstly remove the M8 counter sunk allen bolt which secures it commercial gain to the body of the car. This is located at the N/S nose of the car under the bonnet. (same position as the V.I.N. but on the opposite side of the body).

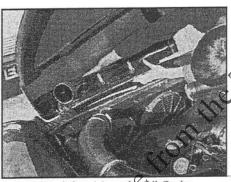
2



Service/Workshop Manual - Oil Cooler

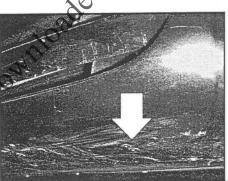
Undo the oil coolant piping from the oil cooler matrix. access can be gained in the access panel in the front of the front N/S wheel arch. The picture is of an oil cooler and piping out of the car.

N.B. - The oil in the system will drain out so be sure to have a container for the fliud to drain



Service/Workshop Manual Dil Cooler

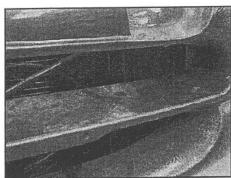
Then remove the air filter box - as described in its relevant section.



Service/Workshop Manual - Oil Cooler

Remove the 2 X M8 allen bolts from underneath the front grill area.

5



Service/Workshop Manual - Oil Cooler

The oil cooler will then be able to slide to the left.



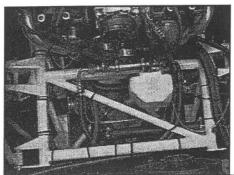
Remove the oil coolant matrix from the car through the air filter boundle.

To replace reverse the outlined procedure remembering to reful and bleed the system refering to the relevant sections for instructions on these procedures.

ne oil coolant matrix of the air filter bourdel. replace reverse the outlined remembering to replia and bleed - refering to the relevant sections instructions of these procedures.







Service/Workshop Manual - Coolant Piping

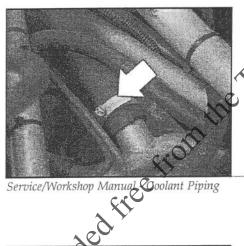


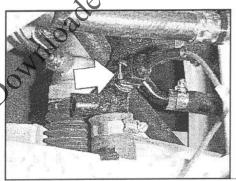
Service/Workshop Manual - Coolant Piping

To replace a section of the rubber piping or even a section of the metal wring, drain the system - as described in the. "bleeding the coolant wstem"

jubliee clips.

Website, not to Chen, simply disconnect the relevant section of hose or metal tubing by undoing the relevant





Service/Workshop Manual - Coolant Piping

Remembering to disconnect the temperature sensor or the temperature gauge when the section of tubing which houses them has to be removed.

4

Notes

Downloaded free from the TYRCC website, not to be sold for commercial leads.





Service/Workshop Manual - Coolant Bleeding

Remove the coolant reservoir cap located under the upper engine bay cover on the N/S of the car.

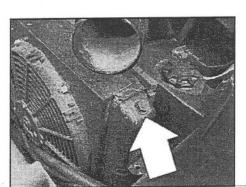
1

2

3

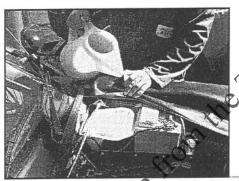
Remove the bleeding plug which is located on the O/S of the radiator.

Top III



Service/Workshop Manual - Coolant Bleeding

Crop up the reservoir with fluid until the excess spills out of the bleed plug on the radiator.



Service/Workshop Manual Coolant Bleeding

Service/Workshop Manual - Coolant Bleeding

Replace the bleed plug and then bleed any air from the system using the bleed valves on the coolant rails. Once no more air is being expelled tighten the valve, check the level of coolant in the reservoir and replace the cap. Run the car and then re-check for air.

Notes

Downloaded free from the Type C website, not to be sold for confinercial death.





Coolant Draining/Replacing

Service/Workshop Manual - Coolant replacement

To replace the cooling system fluid, all the existing fluid has to be drained. To do this the Once all the exsisting fluid has been drained reconnect piping.

Rem
R lowest part of the system, which is the lower



Service/Workshop Manual - Coolant replacement

2

4

Service/Workshop Manual Coolant replacement

Remove the bleeding plug which is located on the O/S of the radiator.

Remove the coolant reservoir cap and refill with coolant. 15 litres - 3 parts water, 1 part anti-freeze. Then bleed the system as descrided in the relevant section.



Service/Workshop Manual - Coolant replacement