

HEATER MATRIX

To remove and refit

Remove heater unit.

See Heater—To remove and refit.

Partially release the foam to gain access to pop-rivets.

Remove five self-tapping screws which secure the matrix cover plate to the heater body. Now drill out the twelve pop-rivets and remove cover plate.

Remove matrix and clean out heater casing.

Refitting is a reversal of the above operations. If a pop-rivet tool is not available, suitable self-tapping screws should be used when refitting the matrix cover plate. Apply sealing compound to all heater casing joints.

ADJUSTMENTS AND RECTIFICATION

When investigating faulty operation of the heating and ventilation system, it is recommended that the following points be checked:—

1. Water valve—control cable adjustment.
2. Heater hose—for kinking and correct run.
3. Elimination of air locks.
4. Thermostat.
5. Possible blockage of heater matrix.
6. Correct alignment of demist manifold to facia apertures.

Water Valve

Remove luggage compartment centre trim. Set heater control lever to "Cold" (blue) and ease back $\frac{1}{8}$ in. (3 mm.); now get an assistant to hold the lever in this position.

Release the trunnion screw ("A" in Fig. 5), move the water valve lever to the fully closed position (i.e. towards the right-hand side of the car) and re-tighten the trunnion screw.

Check action of control for full movement in each direction without slack and also to ensure that the water valve closes fully when the control lever is set at "Cold" (blue).

Thermostat

If suspect—remove thermostat and check for correct sealing and operation. See also Section "A" and General Data.

Kinking of heater hose and run

Check that the inlet and outlet hoses are free from kinks, especially where they pass through the cutout below the rear pocket into the rear quarter area. Check to ensure that each hose is properly retained UNDER each clip on the bulkhead. If necessary refit as shown at "B" and "C" in Fig. 5.

Elimination of airlocks

See Section "A".

Blockage of heater matrix

If items 1—4 above are in order and heater output is down, the flow capacity of the matrix should be checked:—

Remove luggage compartment centre trim.

Disconnect heater outlet hose (upper).

Connect a length of rubber hose to the outlet pipe and secure with a clip. Place the free end of this hose into a container that will accept one gallon of coolant.

Remove radiator cap.

Have available one gallon of coolant or anti-freeze solution for topping up radiator. (An assistant will be required.)

Start engine and run at 2000 r.p.m. If heater matrix is free of obstruction a circulation rate of one gallon in 30 seconds will be obtained.

NOTE: It is imperative that the header tank level is maintained during this test.

Demist manifold alignment.

To align the demist manifold nozzles with the facia apertures, add packing washers (Part No. 9067012) as required between the demist manifold and the brackets.

On completion of tests refit hoses and trim.