

**Subject**

**INACCURATE AMBIENT TEMPERATURES INDICATED IN LOW AMBIENTS**

**Model: S-TYPE 4.2L Supercharged (North American Market Only)**

**Year: 2002.5**

**VIN M45945 to M61539**

**Section: 412**

**Climate Control System**

**Sub-Section: 412-04**

**Control Components**

**Summary**

Due to the position of the ambient temperature sensor and the influence of re-circulated air from the engine oil cooler, the ambient temperature sensor could be inaccurate up to 6 degrees Celsius, when the vehicle is operating in low ambient temperatures.

**Action**

The ambient temperature sensor requires repositioning to correct the reading from the sensor. On a customer complaint basis only, follow the workshop procedure outlined below.

**Workshop Procedure**

- 1 Raise vehicle on four-post ramp.
- 2 Remove radiator splash shield (see Workshop Manual, JTIS CD ROM, section: 501-02).
- 3 Remove radiator lower cowl (see Fig. 1).

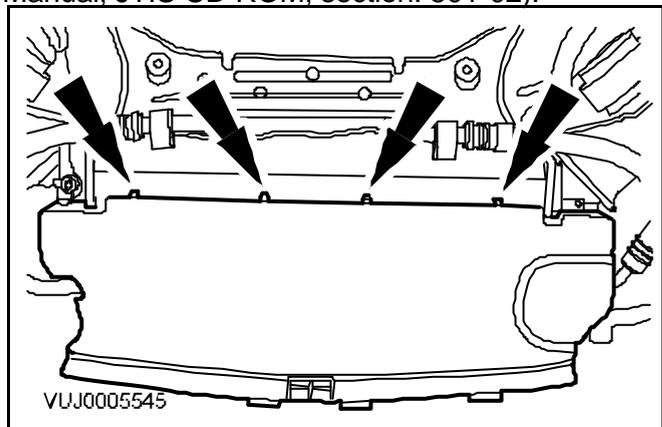


Fig. 1

- 4 Remove front bumper lower center vent trim.
- 5 Displace ambient temperature sensor from mounting clip (see Fig. 2).

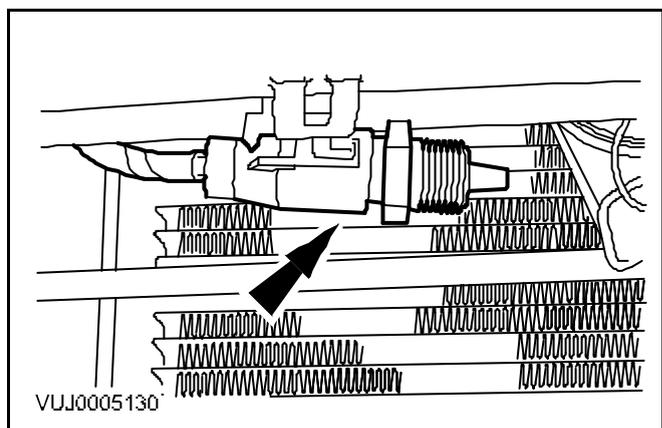
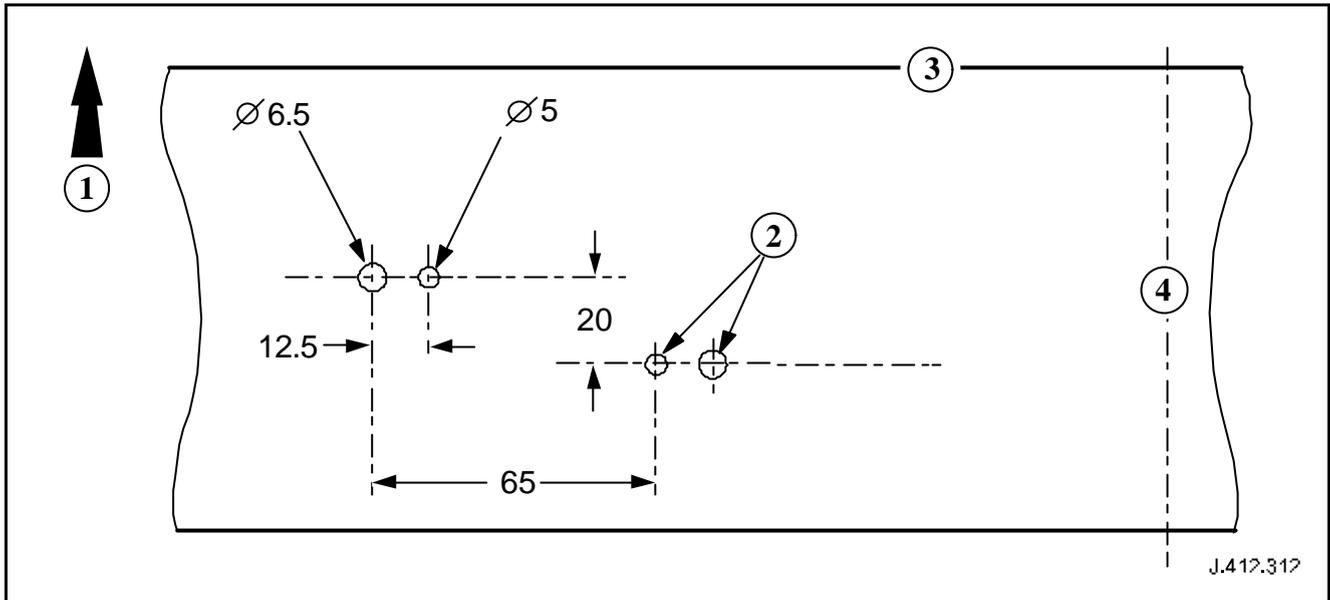


Fig. 2

- 6 Displace ambient temperature sensor mounting clip from front bumper beam.



1	Front of vehicle
2	Existing mounting holes
3	Front bumper beam
4	Center line of vehicle

Fig. 3

**Note: Fig. 3 shows the front bumper beam viewed from the underside of the vehicle. All dimensions shown are in millimeters.**

- 7 Mark position of new ambient temperature sensor mounting holes using dimensions shown in Fig. 3.
- 8 Center-punch marked position of new ambient temperature sensor holes.
- 9 Drill new ambient temperature sensor mounting holes 5mm and 6.5mm diameters in opposite orientation to existing holes (see Fig. 3).
- 10 Install ambient temperature sensor mounting clip to new mounting holes in opposite orientation.
- 11 Install ambient temperature sensor to mounting clip.
- 12 Install radiator lower cowl (see Fig. 4).

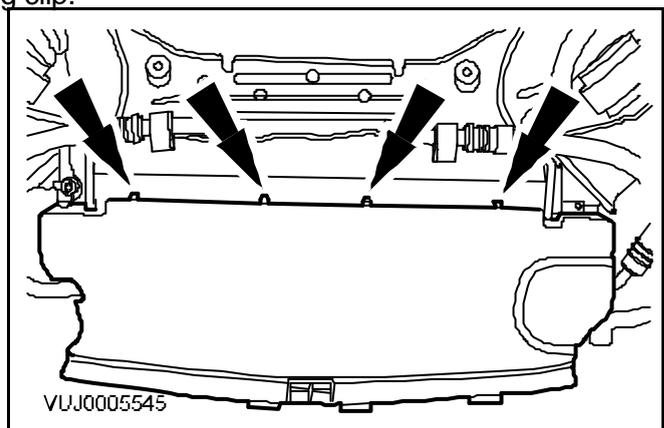


Fig. 4

- 13 Install radiator splash shield (see Workshop Manual, JTIS CD ROM, section: 501-02).
- 14 Install front bumper lower center vent trim.
- 15 Lower vehicle on ramp.

**Warranty Information**

<b>Description</b>	<b>SRO</b>	<b>Labor Time Allowance</b>	<b>Warranty Code</b>	<b>Causal Part</b>
Reposition ambient temperature sensor	82-91-27	0.5 Hours	JD FB 42	XR8 1509