

## 515074 - Heater Resistor For: VAG Range

Please be aware if failure of the heater resistor occurs, the replacement of the resistor may not solve the problem. Please check the following:

### Failure Symptom

Heater controls for VAG vehicles are only working on the highest setting.

### Failure Effect

Thermal damage on the pins of the electrical connector due to an overload.



*Blueing on the resistors pins*

## Possible Root Causes:

### - Water Damage

1. Ensure that the windscreen drains are clear of debris (Fig. 1).
2. Ensure that the plastics are covered, correctly fitted and the rubber weather seal is fitted correctly.
3. Ensure no water is leaking on the blower motor.
4. Check that the scuttle panel, specifically the drains around the cabin air filter are not clogged (Fig. 2).



Fig. 1



Fig. 2

**When water leaks onto the blower motor it may generate high current and overload the heater resistor, causing thermal damage.**

## - Heater Resistor Pre-Checks:

1. Switch off the engine and all electrics.
2. Rotate the blower motor fan to check for free movement. If there is resistance then the bearing could be rusted internally. This can cause the blower motor to overload .
3. Ensure that the pollen filter is not clogged (Fig. 3). This can cause the blower motor to overload.
4. Ensure the blower motor has no visible rust (Fig. 4).

If any of the above has occurred, it is advised to replace both blower motor and pollen filter. If a new heater resistor is fitted to a vehicle displaying the above symptoms then it will be very likely that the thermal fuse on the resistor will blow due to the additional strain.

Valeo Service UK reserves the right to reject the claim and all associated costs with the above symptoms.

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