

## Damaged blowers motors caused by poor ventilation

The Valeo warranty department receive a number of returned blower motors with the reason of burnt out, noisy or not working. After inspection of the returned blower motor, some common factors can be seen that have caused the blower motor to fail. These are:

- Corrosion in the motor,
- Motor windings burnt out
- Fan blades damaged.

All of these are as a reason of a poorly maintained interior ventilation system where there is an issue with the pollen filter. If the pollen filter is not replaced regularly the flow of air will be restricted and the motor will be working harder with less air passing across it to reducing its temperature. This will lead to premature failure of the motor. An indication of an old pollen filter is the reduced ability of the heating/cooling system.

If the pollen filter has become damp due to a leaking heater matrix or blocked water drain holes the moisture will be sucked in by the blower motor, causing corrosion and could affect the performance of the motor. An indication of this will be moisture in vehicles cabin or a noisy motor in the advanced stage or blower motor damage.

A blower motor with damaged fan blades can be caused by damage during fitment, a missing pollen filter allowing debris from outside entering the ventilation system or the incorrect pollen filter being fitted. This issue will have symptoms of a noisy blower motor or in extreme cases, the motor will not work. In all cases the ventilation pollen filter **must** be replaced before fitment of a new blower motor and Valeo recommend a pollen filter to be replaced every 12 months to ensure maximum longevity of parts in the ventilation system and to ensure a clean and safe environment inside the vehicles cabin.



*Valeo Recommend that the pollen filter is changed every 12 months*