Electrical water pump guidelines

All Car Models concerned

Diagnosis and troubleshooting of electrical water pump failure

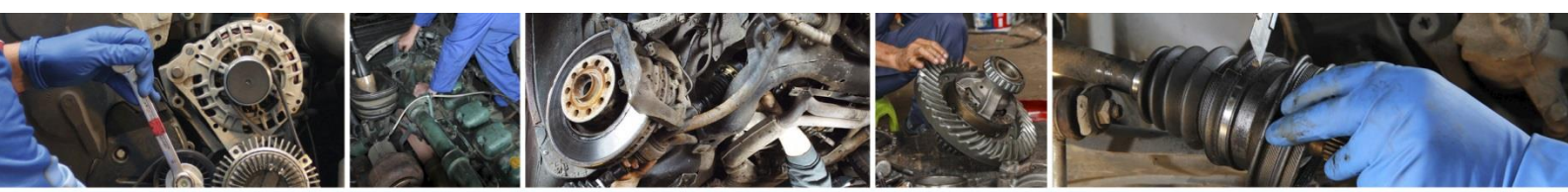
SKF kit	OE Nb

Main electrical water pumps causes of failures

Coolant-related causes (not exhaustive):
- Mix of different coolant types
- Wrong type of coolant use
- Inadequate cooling system maintenance

Electronics-related causes (not exhaustive):
- Inadequate pump usage (pump not installed in the right car application, etc.)
- Inadequate pump environments (cooling system not maintained regularly, etc.)

Wear-related causes (not exhaustive):
- Damage on the pump housing (hits, etc.)
- Damage on the pump internals (impeller, motor, etc.)



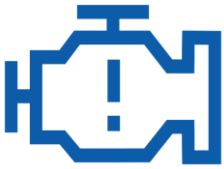
How to detect a failed water pump ?

Electrical water pump irregular behaviour

- Noise caused by a broken part on the pump internals (impeller, motor, etc.)
- Engine overheating caused by a broken part on the pump internals (impeller, motor, etc.)

Coolant leak from the electrical water pump

- Broken part of the pump body (housing, ports)
- Broken part of the pump installation fixture (brackets, etc.)



Vehicle irregular behaviour

- “Check engine” light on dashboard, or trouble code on On-Board Diagnostics (O.B.D.) reading
- Car restriction to a downgraded mode (or even immobilized)

Good practices when replacing a failed electrical water pump

Check overall cooling system to identify the cause of the pump failure

Follow Manufacturer guidelines

Frequent cooling system maintenance intervals and checks

Selection of the right SKF part for the application with VSM website

vsm.skf.com

Click here to watch SKF technical videos on Youtube