



Bosch Tips

Systematic Testing of Lambda Sensors



How to detect faulty lambda sensors

Information on testing:

For detailed test procedures and test specifications refer to ESI[tronic].



Failure causes:

- ▶ Electrical faults
- ▶ Mechanical damage
- ▶ Poisoning/contamination
- ▶ Thermal overload

Symptoms:

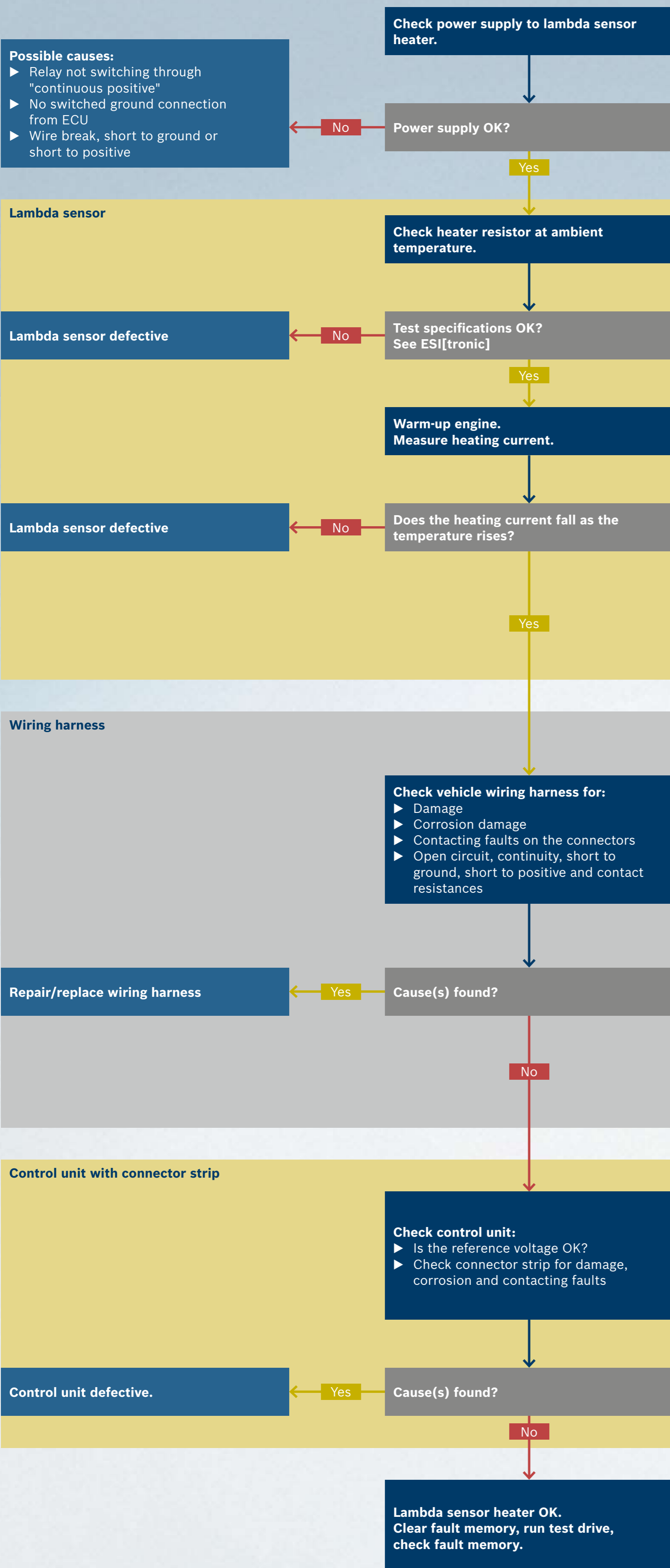
- ▶ Malfunction indicator lamp (MIL) on
- ▶ Driveability problems
- ▶ Unstable idling
- ▶ Increased fuel consumption
- ▶ Increased exhaust emissions

Possible consequences:

- ▶ Defective catalytic converter
- ▶ Engine bearing damage due to rough running

Test steps

Testing the lambda sensor heater



Testing the lambda sensor signal

