

P1117**14 Oxygen Sensor Heating After TWC, Bank 1 – Signal Implausible****Diagnosis conditions**

- Exhaust temperature between 300 °C and 600 °C
- Battery voltage between 9.5 V and 16 V

Possible fault cause

- ◆ Corrosion in connector
- ◆ Oxygen sensor

Affected terminals

II/7

Diagnosis/Troubleshooting**Note!**

Do not use contact spray on the connectors to oxygen sensor.

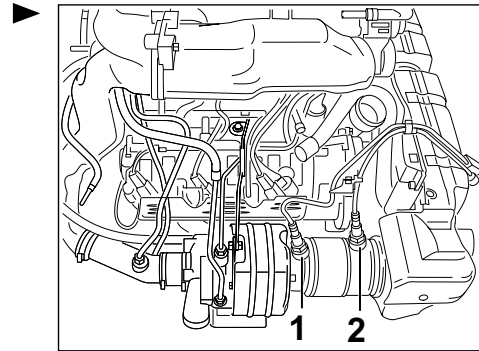
Work instruction			Display OK	If not OK
1	Check connector for corrosion	◆ Visual inspection		
2	Check oxygen sensor heating	◆ Remove oxygen sensor connector after catalytic converter Bank 1 ◆ Check resistance between pin 1 and 2 towards the oxygen sensor	9 to 10 Ω at 20 °C	Replace oxygen sensor
3	Check oxygen sensor	◆ Check resistance between pin 1 and the oxygen sensor housing ◆ Check resistance between pin 1 and 3	∞ Ω	

**Note!**

Do not exchange oxygen sensors ahead of catalytic converter and after catalytic converter.

Oxygen sensors ahead of and after catalytic converter

- 1 - Oxygen sensor ahead of catalytic converter
- 2 - Oxygen sensor after catalytic converter



P1118

4 Oxygen Sensor Heating After TWC, Bank 2 – Signal Implausible

Diagnosis conditions

- Exhaust temperature between 300 °C and 600 °C
- Battery voltage between 9.5 V and 16 V

Possible fault cause

- ◆ Corrosion in connector
- ◆ Oxygen sensor

Affected terminals

II/1

Diagnosis/Troubleshooting



Note!

Do not use contact spray on the connectors to oxygen sensor.

Work instruction			Display OK	If not OK
1	Check connector for corrosion	◆ Visual inspection		
2	Check oxygen sensor heating	◆ Remove oxygen sensor connector after catalytic converter Bank 2 ◆ Check resistance between pin 1 and 2 towards the oxygen sensor	9 to 10 Ω at 20 °C	Replace oxygen sensor
3	Check oxygen sensor	◆ Check resistance between pin 1 and the oxygen sensor housing ◆ Check resistance between pin 1 and 3	∞ Ω	



Note!

Do not exchange oxygen sensors ahead of catalytic converter and after catalytic converter.

Oxygen sensors ahead of and after catalytic converter

- 1 - Oxygen sensor ahead of catalytic converter
- 2 - Oxygen sensor after catalytic converter

