

- Service adjustments
- Fuel system
- Intake system
- Ignition system
- Engine sensors
- Emission control system
 - CO adjustment resistor - Passat
 - Heated oxygen sensor (HO2S)
 - Oxygen sensor heater
- Control system

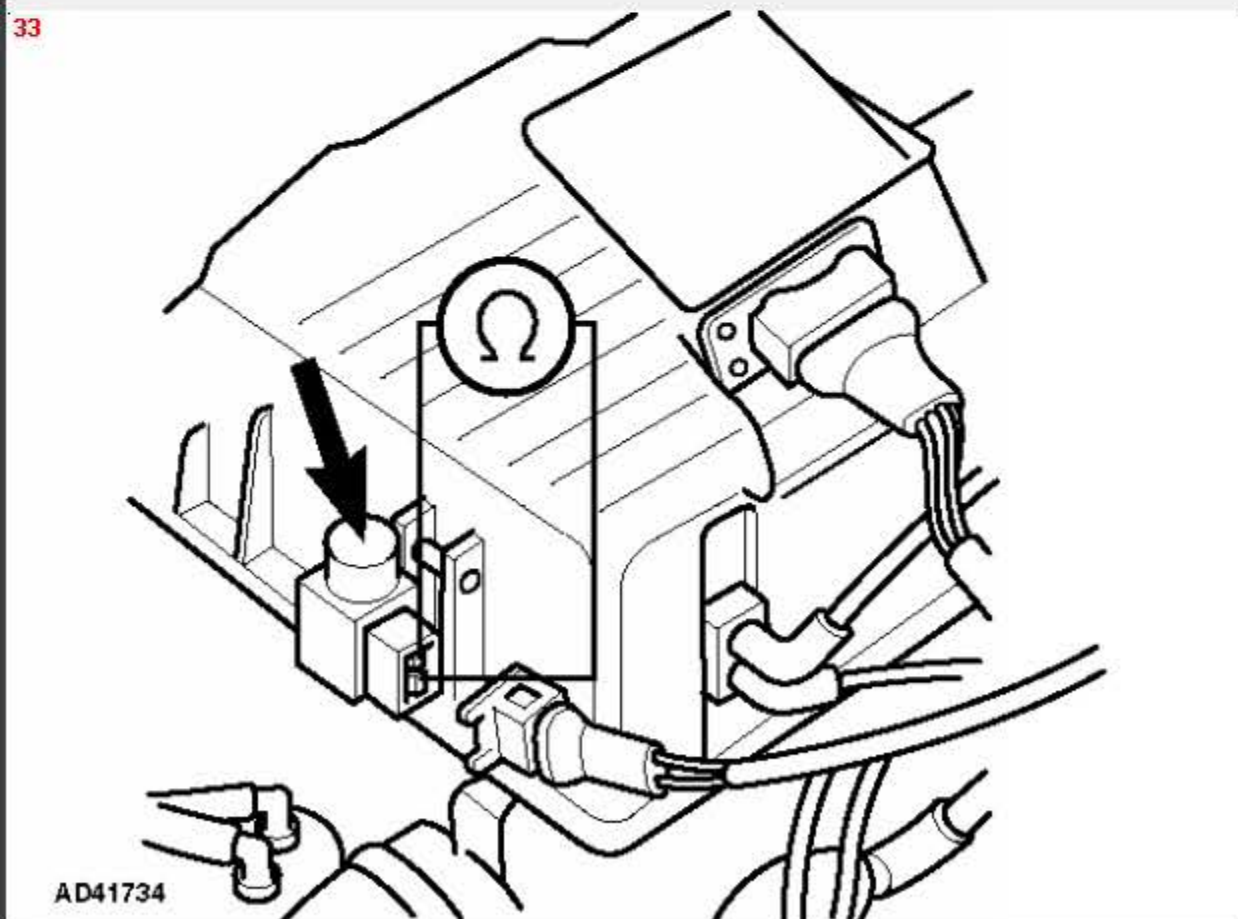
CO adjustment resistor - Passat

Checking resistance - Fig. 33

Technical Data	
Resistance	0-2000 Ω

- Ensure ignition switched OFF.
- Disconnect CO adjustment resistor multi-plug.
- Turn CO adjustment resistor from stop to stop.
- Check resistance between CO adjustment resistor terminals.
- Resistance change should be smooth.

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Heated oxygen sensor (HO2S)

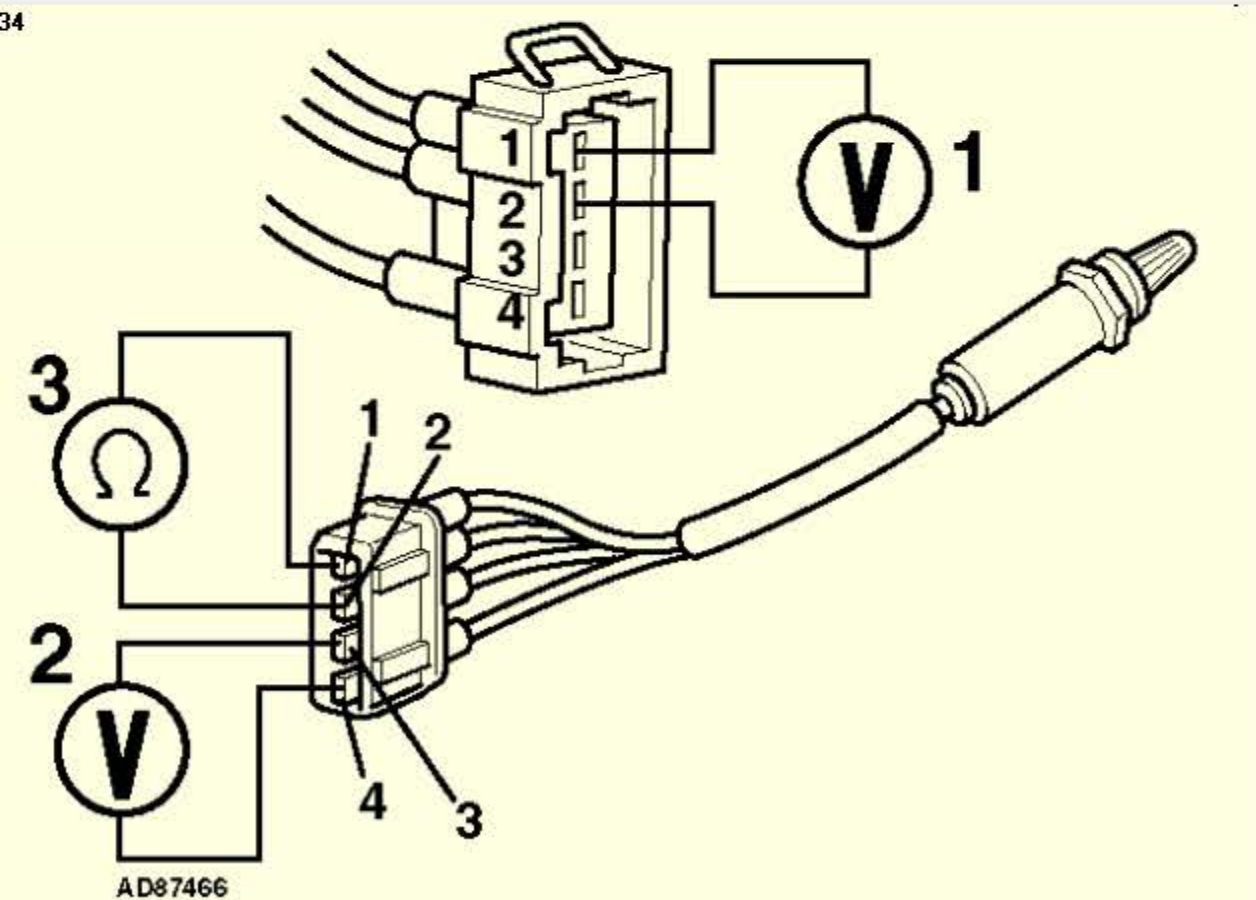
Checking operation

- Ensure engine is at normal operating temperature.
- Ensure ignition switched OFF.
- Connect CO meter to sample pipe.
- Disconnect HO2S multi-plug.
- Clamp fuel pressure regulator vacuum hose.
- Start engine.
- Allow to idle.
- Check that CO level increases.
- Reconnect HO2S multi-plug.
- Check that CO level decreases to specified level.
- Remove clamp from fuel pressure regulator vacuum hose.
- Switch ignition OFF.

Checking signal - Fig. 34

Technical Data	
Terminals	Voltage
3 & 4	0-1 V (fluctuating)

- Ensure engine is at normal operating temperature.
- Start engine.
- Increase engine speed to over 2500 rpm for 1 minute.
- Allow to idle.
- Disconnect HO2S multi-plug.
- Check voltage between HO2S terminals Fig. 34 [2].



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Oxygen sensor heater

Checking resistance - Fig. 34

Technical Data	
Terminals	Resistance
1 & 2	4 Ω approx.

- Ensure ignition switched OFF.
- Disconnect HO2S multi-plug.
- Check resistance between HO2S terminals Fig. 34 [3].

Checking supply voltage - Fig. 34

Technical Data	
Terminals	Voltage
1 & 2	11 V min.

- Ensure ignition switched OFF.
- Disconnect HO2S multi-plug.
- Start engine.
- Allow to idle.
- Check voltage between harness multi-plug terminals Fig. 34 [1].

