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VAT Registration No.:

Engine sensors

Engine coolant temperature (ECT) sensor

Checking - Fig. 23

Technical Data		
Terminals	Temperature	Resistance
1 & 3	0 °C	5000-6500 Ω
1 & 3	20 °C	2250-3000 Ω
1 & 3	40 °C	1000-1500 Ω
1 & 3	60 °C	550-700 Ω
1 & 3	80 °C	275-375 Ω

- Ensure ignition switched OFF.
- Disconnect ECT sensor multi-plug.
- Relieve residual pressure in cooling system.
- Remove ECT sensor from engine.
- Immerse ECT sensor probe in coolant of specified temperature.
- Check resistance between ECT sensor terminals.
- ECT sensor may be checked in situ if engine temperature and resistance readings are compared.

Crankshaft position (CKP) sensor

Checking supply voltage - Fig. 24

Technical Data	
Terminals	Voltage
1 & 3	9 V min.

- Ensure ignition switched OFF.
- Disconnect CKP sensor multi-plug.

Manufacturer: Skoda
Engine code: AEE
Tuned for: R-Cat

Model: Octavia 1,6
Output: 55 (75) 4600
Year: 1996-04

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- Switch ignition ON.
- Check voltage between harness multi-plug terminals.

Checking signal - Fig. 25

Technical Data	
Terminals	LED
1 & 2	Flashing

NOTE: Disconnect injector multi-plugs before cranking tests, to avoid damage to catalytic converter(s).

- Ensure ignition switched OFF.
- Do not disconnect multi-plug. Access CKP sensor multi-plug terminals.
- Connect LED test lamp between multi-plug terminals.
- Briefly crank engine.
- Check that LED flashes.

Knock sensor (KS)

Checking

Technical Data	
Tightening torque	20 Nm

- Ensure ignition switched OFF.
- Disconnect KS multi-plug.
- Remove KS.
- Ensure cylinder block and KS mating faces are free from corrosion and clean.
- Refit KS.
- Tighten fixing to specified torque.

Checking resistance - Fig. 26

Technical Data	
Terminals	Resistance
1 & 2	∞

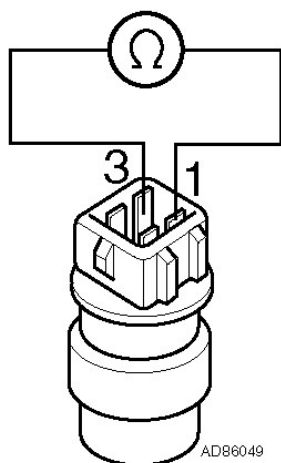
- Ensure ignition switched OFF.
- Disconnect KS multi-plug.
- Check resistance between KS terminals.

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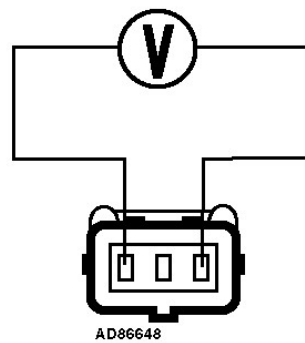
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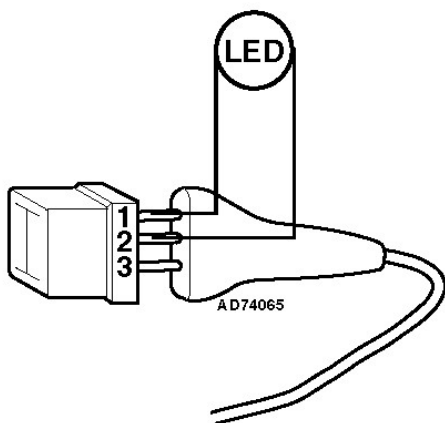
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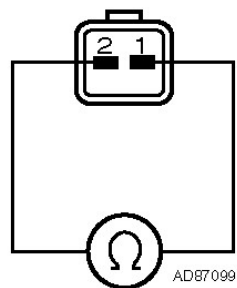
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25



26



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