Volkswagen > A4 > 1999-2006
2.0 Liter 4-Cyl. 2V Generic Scan Tool, Engine Code(s): AEG
20 - Electronic Engine Power Control

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Closed Throttle Position Switch F60, Checking

Special tools, testers and auxiliary items required

- Multimeter .
- Wiring diagram

Test procedure

- Perform a preliminary check to verify the customers complaint. Refer to ⇒ Preliminary Check

Test requirement

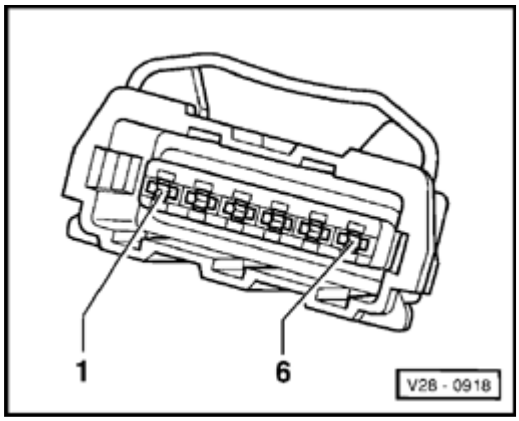
- The Motronic Engine Control Module (ECM) J220 fuses OK.
- Battery voltage at least 12.5 volts.
- All electrical consumers such as, lights and rear window defroster, switched off.
- Vehicles with automatic transmission, shift selector lever into position "P" or "N" .
- A/C switched off.
- Ground (GND) connections between engine/transmission/chassis OK.

Note:

- *Use only gold-plated terminals when servicing the electrical harness connector terminals in Closed Throttle Position (CTP) Switch F60 .*

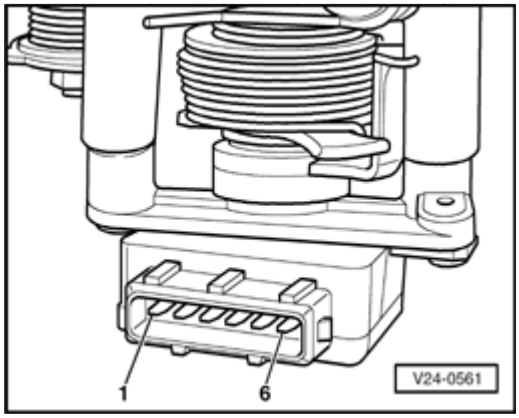
Test sequence

- Remove the engine cover with air filter .



- Disconnect the Closed Throttle Position (CTP) Switch F60 6-pin electrical harness connector .

Checking internal resistance



- Using a multimeter , check the Closed Throttle Position (CTP) Switch F60 electrical harness connector terminals 4 to 6 for resistance.

Specified value: 0 Ω

- Open throttle slightly.

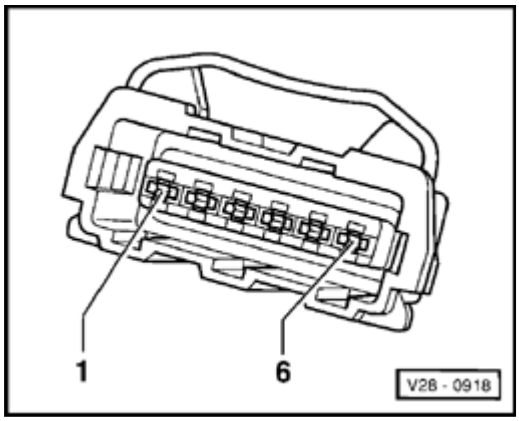
Specified value: ∞Ω

If the specification was not obtained:

- Replace the Closed Throttle Position (CTP) Switch F60 .

Checking wiring

- Install the test box Adapter F/VAG1598 (68 Pin) VAG1598/22 .



- Using a Multimeter , check the following wiring connections for continuity.

Closed Throttle Position (CTP) Switch F60 electrical harness connector terminals	Motronic Engine Control Module (ECM) J220 electrical harness connector T80 test box sockets
4	62
8	74

Specified value: 1Ω

If the specification was not obtained:

- Check the wiring for a short circuit to each other, Battery (+), and Ground (GND).
- Check the electrical harness connector for damage, corrosion, loose or broken terminals.
- If necessary, repair the faulty wiring connection.
- If the specification was obtained:
- Erase the DTC memory. Refer to ⇒ Diagnostic Mode 04 - Reset/Delete Diagnostic Data
- Perform a road test to verify repair.

If the DTC does not return:

Repair complete, Generate readiness code. Refer to ⇒ Readiness Code .

- End diagnosis.

If the DTC does return and no malfunction is detected in the wiring and the voltage supply was OK:

- Replace the Motronic Engine Control Module (ECM) J220 . Refer to ⇒ Motronic Engine Control Module J220, Replacing .

- Assembly is performed in the reverse of the removal.

- Install the engine cover with air filter .

Final Procedures

After the repair work, the following work steps must be performed in the following sequence:

1. Check the DTC memory. Refer to .
2. If necessary, erase the DTC memory. Refer to .
3. If the DTC memory was erased, generate readiness code. Refer to .

End of diagnosis.