Audi > B5 Platform > 1996 - 2002
1.8 Liter 4-Cyl. 5V Turbo Generic Scan Tool Engine Code(s): AEB, ATW, AWM
20 - Fuel Supply

Throttle Position (TP) sensor, checking

Recommended special tools and equipment

* VAG 1526 multimeter or VAG 1715 multimeter

* VAG 1594 connector test kit

* Wiring diagram

Test requirement

- The respective fuses of Motronic Engine Control Module (ECM) -J220- must be OK:

=> Electrical Wiring Diagrams, Troubleshooting & Component Locations
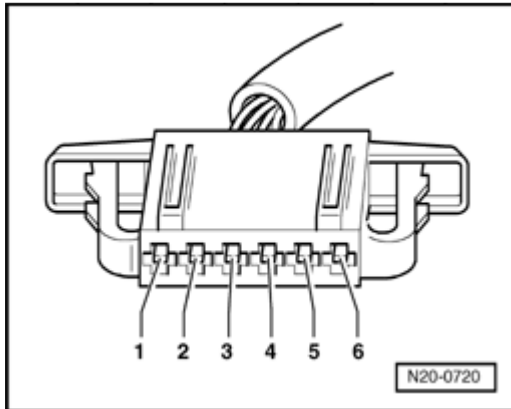
Function

Both the Throttle Position (TP) sensor -G79- and the Sender -2- for accelerator pedal position - G185- are located at the accelerator pedal and communicate the driver's intentions to the ECM completely independently of each other. Both sensors are stored in one housing.

Test sequence

Note:

When servicing terminals in the harness connector for the Throttle Position (TP) Sensor, use only gold-plated terminals.

‒ Remove footwell cover (driver's side).

‒ Disconnect 6-pin connector from Throttle Position (TP) Sensor.

‒ Switch ignition on.

Checking voltage supply and wiring to control module

‒ Connect multimeter to the following connector terminals for voltage measurement.

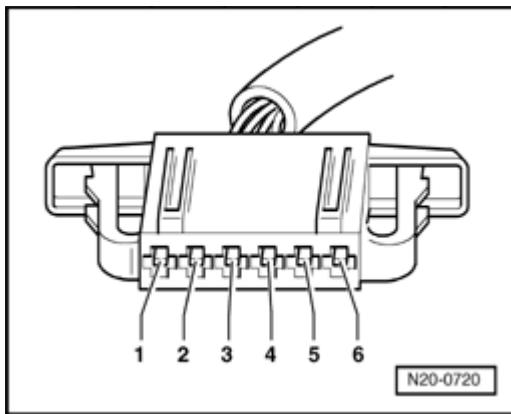Terminal 1 & Ground (GND)

Terminal 1 & 5

Terminal 2 & Ground (GND)

Terminal 2 & 3

Specified value: at least 4.5 V

‒ Switch ignition off.

If specified values are not obtained:

‒ Connect test box to control module wiring harness => page <u>ST-7</u>

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- Check wires between test box and 6-pin connector for open circuit according to wiring diagram.

Terminal 1 & socket 72

Terminal 2 & socket 73

Terminal 3 & socket 36

Terminal 4 & socket 35

Terminal 5 & socket 33

Terminal 6 & socket 34

Wire resistance: max: 1.5 Ω

- Also check wires for short circuits to each other, to vehicle Ground (GND) and to B+

Specified value: ∞ Ω

If no malfunction is detected in the wiring and if the voltage supply was OK:

- Replace accelerator pedal position sensor => page 20-61, item 3.

- Erase DTC memory of Engine Control Module (ECM) => page ST-27

- Generate readiness code => page ST-54.