

Testing throttle valve control part

Testing throttle valve positioner sender and throttle valve potentiometer

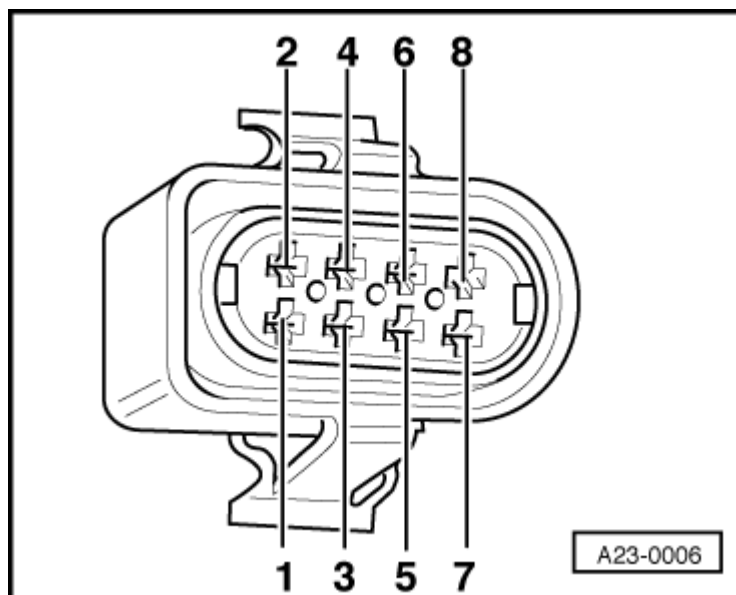
Testing sender voltage readings

- Disconnect the 8-pin plug on the throttle valve control part.
- Switch on ignition.
- → Measure voltage between contacts 4 and 7 on the 8-pin plug using hand-held multimeter V.A.G 1526.

Specification: at least 4.8 V

If the value is as specified, reconnect the 8-pin plug.

- Start the engine.
- Read measure value block (function 08) and select Display Group 98 => Page [01-105](#).



→ Indicated on display:

Read measured value
block 98 →
1 2 3 4

The values in display zone 1 (throttle valve potentiometer voltages) should be between 3.70 and 4.75 volts.

The values in display zone 2 (throttle valve potentiometer voltages) should be between 2.28 and 4.75 volts.

- If the values are not as specified, switch off the ignition.
- Connect test box V.A.G. 1598/22 to wiring harness for engine control unit
=> Page [24-13](#).
- Disconnect the 8-pin plug on the throttle valve control part.
- → Test for open circuit between the test box and the 8-pin plug using multimeter V.A.G 1526.
- Use the multimeter to test the wires for short circuits with each other.

Contact on 8-pin plug	Contact on test box
1	66
2	59
3	69

4	62
5	75
7	67
8	74

- – Rectify any open circuits and remove any dirt that may be on the contacts. Erase fault memory and perform adaption of throttle valve control part => Page [24-73](#).
- – If the value is still not as specified, check the throttle valve for dirt and stiffness. Clean if necessary.
- – Repeat adaption of throttle valve control part => Page [24-73](#).
- – If it is not possible to start the adaption or if the adaption cannot be completed, fit a new throttle valve control part.
- – Perform adaption of throttle valve control part => Page [24-73](#).
- – If it is not possible to start the adaption or if the adaption cannot be completed, fit a new engine control unit => Page [24-15](#).
- – If it is not possible to complete the adaption with the new engine control unit, try performing the adaption again with the old throttle valve control part which was removed => Page [24-73](#).

