Testing throttle valve control part
Testing idling speed switch

- – Run engine at idling speed.
- – Select "Read measured value block" (function 08) and Display Group 02 => Page 01-87.

→ Indicated on display:

Read measured value block 2   ⇒

1   2   3   0100

Check readout in display zone 4.

Note:

Relevance of figures in display zone 4:

Display zone 4	Meaning of readout
1XXX	Overrun
X1XX	Idling
XX1X	Part-throttle
XXX1	Full throttle

The readout for idling should be "1".

- – Open throttle slowly.

→ Indicated on display:

Read measured value
block 2   ⇒

1   2   3   0010

The readout for idling should be "0" and the readout for part-throttle should be "1". (When the throttle valve is opened the idling speed switch is also opened.)

- – If the display is not as specified, switch off ignition and connect test box V.A.G 1598/22 to wiring harness for engine control unit => Page 24-13.
- – Measure resistance between sockets 67 and 69 using hand-held multimeter V.A.G 1526.

Specification: continuity (no resistance; throttle valve closed)

- – Open throttle slightly.

Specification: idling speed switch should open (no continuity; infinite resistance)

- – If the value is not as specified, test wiring and contacts for open circuit, damage and dirt using current flow diagram. Remove dirt and replace damaged parts as necessary.

=> Current flow diagrams, Electrical fault finding and Fitting locations binder

- – Perform adaption of engine control unit to throttle valve control part => Page 24-73.

- – If the value is still not as specified, check the throttle valve for dirt or stiffness and 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.