Rear window heating, electrical testing

Note:

Only perform this test on A/C control heads -E87- with only one display (switch for rear window heating is integrated in the A/C control head -E87-).

Special tools and equipment

- VAG1715 multimeter (with voltage probe)
- VAG1594A Measuring Appliance Adapter

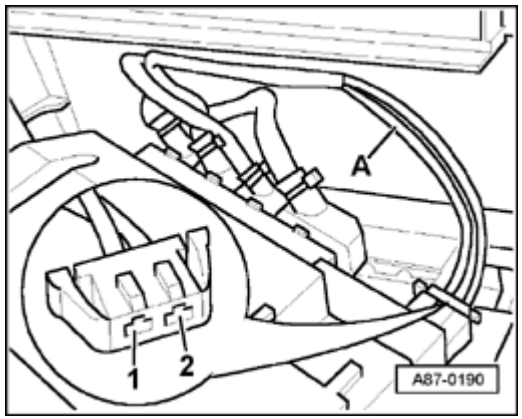
Test requirements

- All fuses OK

⇒ *Electrical Wiring Diagrams, Troubleshooting & Component Locations binder*

- Switch ignition off.
- Remove A/C control head -E87- ⇒ page 87-120 .

- Disconnect harness connector E from A/C control head -E87-.



- Connect multimeter between terminal 1 and 2 for voltage measurement.

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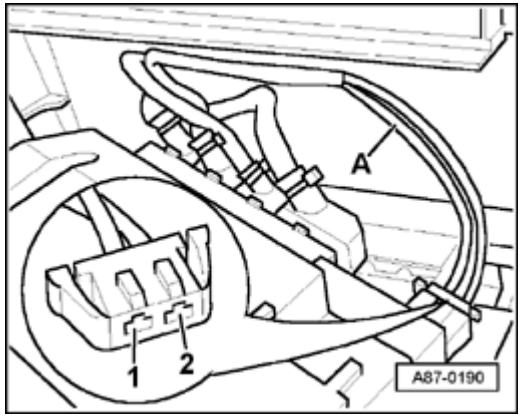
- Turn ignition on.

  Specification: approx. battery voltage

- Switch ignition off.

- Connect harness connector E at A/C control head -E87-.



- Route wire -A- to harness connector E through current probe on VAG1715.

Note:

All harness connectors at A/C control head -E87- must be connected.

- Select "Amperage measurement via amperage probe" function on VAG1715 (with voltage probe).

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- Start engine.

- Switch rear window heating on via A/C control head -E87- (indicator lamp in button lights up).

  Specified value: The display on VAG1715 will change from approx. 0 amps to less than 25 amps.

- Wait approx. 10 minutes.

  Specified value: The display on the VAG1715 will change from less than 25 amps to approx. 0 amps (indicator lamp in button goes out).

Notes:

- *The current probe may be influenced by stray current which could cause the display to show a low current reading when rear window heating is switched off.*

- *The A/C control head -E87- will switch rear window heating off after 10 minutes.*

- *When the outside temperature is less than 0° C the heating function of the rear window will remain on until the ignition is switched off (it can*

be turned off manually at any time). If the temperature while driving exceeds 0° C, the rear window heater is turned off after the operating time stored in -E87- (max. 10 minutes) elapses.