

Audi 100, S4, A6, S6 > 1992-1998

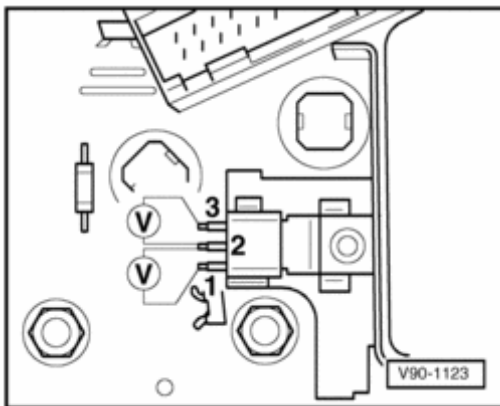
Electrical Equipment

90 - Instrument Cluster Components and Gauges, Removing and Installing

Voltage Stabilizer and Fuel Gauge, Checking

Voltage stabilizer

- Leave battery ground strap connected.
- Leave all instrument cluster connectors attached.
- Set digital multimeter (Fluke 83 or equivalent) to volt range.



- Connect red multimeter test lead to terminal - 1 - (+) and black multimeter test lead to terminal - 2 - (ground).
- Switch ignition ON.
- ▶ Must be approx. battery voltage

If NOT:

- Check wiring for open circuit according to wiring diagram, repair as necessary.
- Connect red multimeter test lead to terminal - 3 - and black multimeter test lead to terminal - 2 - (ground).
- Switch ignition ON.
- ▶ Must be 9.75-10.25 volts

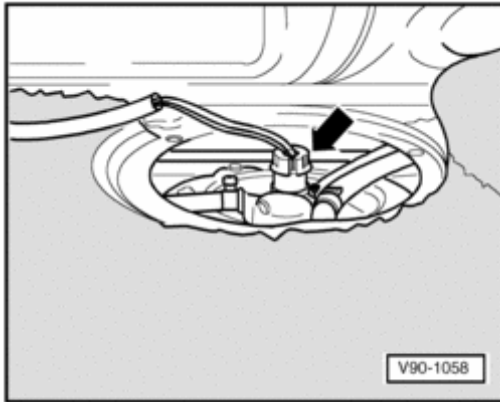
If NOT:

- Replace printed circuit.

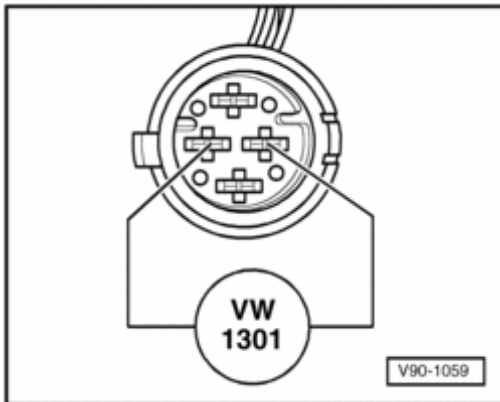
Fuel gauge

Note:

- ◆ Fuel gauge cannot be adjusted.



- Remove connector from fuel gauge sender (- **arrow** -).

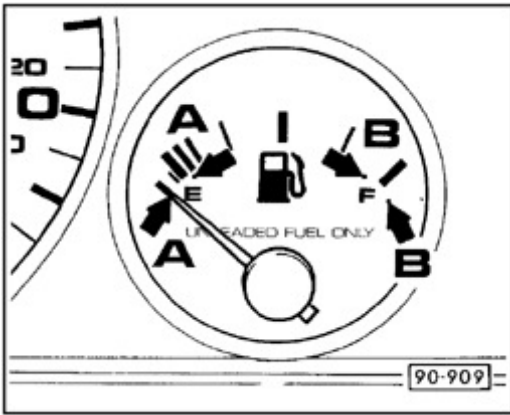


- Connect instrument/gauge tester VW 1301 to fuel gauge sender connector as shown using jumper wires.

Note:

- ◆ Ensure connector terminals in connector housing are not shoved back during test.
- Switch ignition ON.
- Adjust VW 1301 as follows:

Dial setting	Gauge reads
550	Empty
58	Full



- ▶ With VW 1301 set to 550, fuel gauge needle must lie within tolerance range (arrows - **A** -)
- ▶ With VW 1301 set to 58, fuel gauge needle must lie within tolerance range (arrows - **B** -)

If NOT:

- Check fuel gauge voltage supply ⇒ Electrical Wiring Diagrams, Troubleshooting and Component Locations
- Check voltage stabilizer.

If OK:

- Replace fuel gauge.

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