Audi A3 with xenon light Model year from 1997 to 2003

Headlight range adjustment (LWR) does not work correctly

If there are complaints about the above-mentioned fault, contact problems could be the cause. In addition, there could be complaints that the headlights are lowered when the vehicle is moving at a speed of more than 100 km/h. Further possible causes for the fault to be considered are a faulty basic LWR setting, defect setting motors and a lack of speed signal to the LWR control unit.
In this case proceed as follows:

- Got to the menu item "Measured values/parameters" in the diagnosis tester and select the "headlight range adjustment" point.
- Check the values of the axle sensors. These must be between 1.66 V and 3.45 V.
- If this is not the case, the axle sensors, plugs and leads must be checked for damage, and repaired or replaced if necessary. The supply voltage must also be checked.
- In addition, the existence of the speed signal can be checked in this menu item. If there is no signal available, the plug connections on the LWR control unit and on the connecting plugs of the instrument cluster must be checked. Contact problems can lead to the LWR control unit going into limp-home mode and lowering the headlights.
  On the 3-door version, the LWR control unit is on the wheel housing on the left under the side panelling, (see Fig. 1). On the 5-door version, the control unit is

in the boot, installed on the left under the side panelling (see Fig. 2).

- Once these potential sources of fault have been checked, the setting motors should also be controlled. In a certain series there is increased wear in the spring contact, which can lead to premature motor failure. Setting motors with the part no. 8L0 941 295 A should be removed and replaced by new motors (Hella part no.: 6NM 007 878-541).

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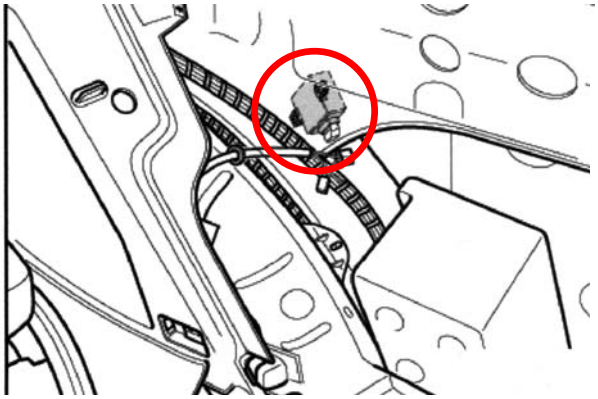

Fig. 1

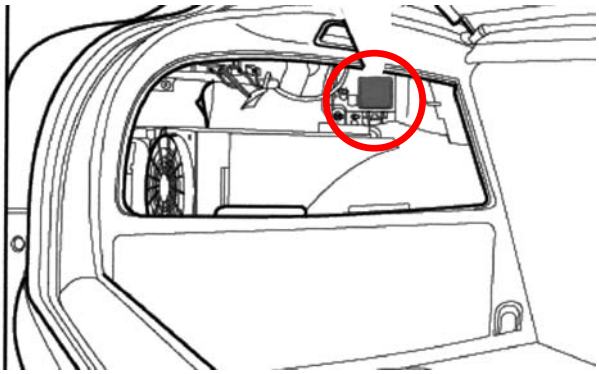

Fig. 2