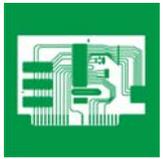


## **Mercedes-Benz C-Class (W203) From model year 08/01**

### **ESP warning light comes on, fault code C1140 and/or C1145 in the fault memory.**

If there are complaints with these vehicles that the ESP warning light comes on and the fault code C1140 and/or C1145 is stored in the fault memory, one possible cause is contact resistance in the plug on the ESP control unit (Fig 1). This affects the connection between the ESP control unit and the brake pressure sensor. To eliminate the fault, the plug contacts 18, 19 and 20 must be replaced in the control unit plug and the control unit contacts must be cleaned. To do this proceed as follows:

- Disconnect the battery.
- Remove the plug on the ESP control unit and strip the insulation around the cable strand over a length of approx. 30 cm.
- Remove connections 18, 19 and 20 (Fig. 2) from the plug (caution: note the socket and the respective cable colour).
- Cut the three cables away from the wiring harness according to the length of the new repair cable.
- Connect the repair cable to the wiring harness using a solder connection. Use a multimeter to test the cable connection between the brake pressure sensor connection (Fig. 3) and the new connections for interconnection. The measured value must be  $< 0.5$  ohms.
- Then click the new cable lugs into place in the correct socket in the control unit plug and insulate the cable strand with fabric tape.
- Check contact pins 18, 19 and 20 for oxidation and clean carefully if required (Fig. 4).



- Insert the plug at the control unit and brake pressure sensor again. Connect the battery.
- Delete the fault memory and reset the system if necessary.

**Note:**

The repair cables can be produced separately or purchased as a repair set from Mercedes.

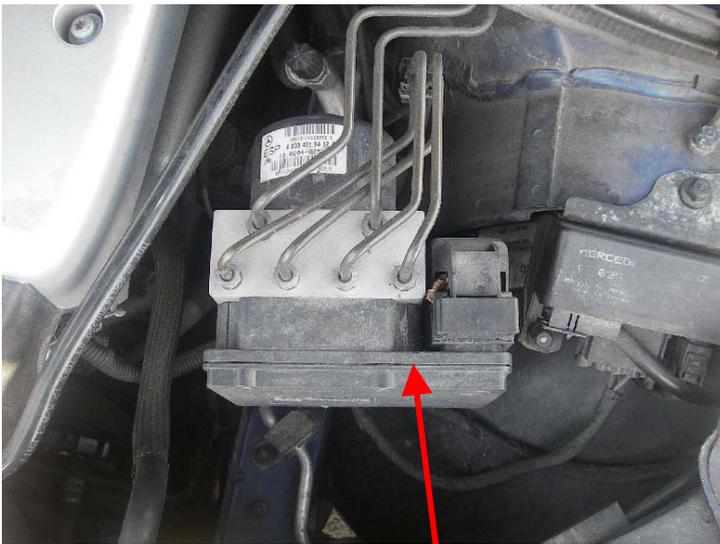


Fig. 1 ESP unit

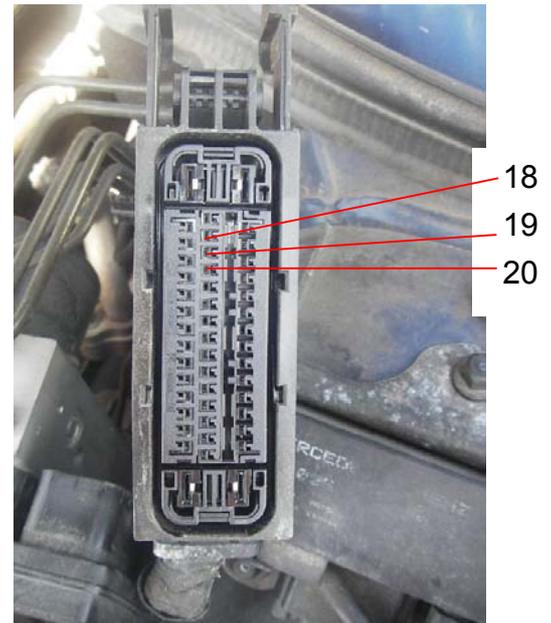


Fig. 2

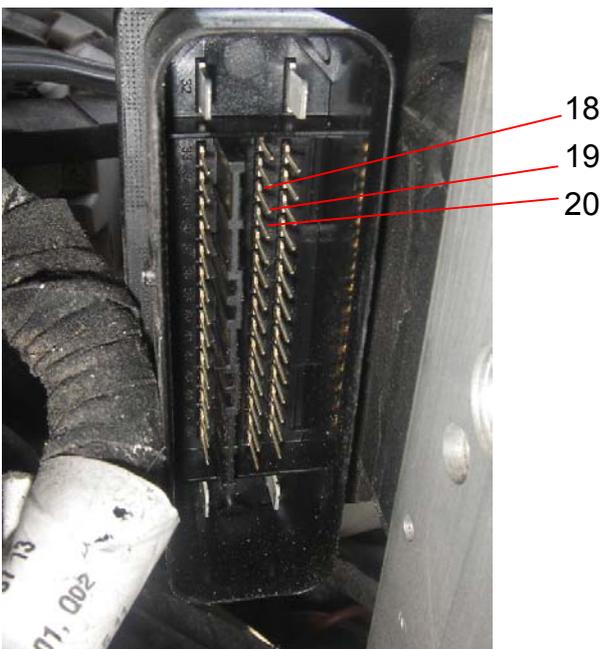


Fig. 3



Fig. 4 Brake pressure sensor