



Mercedes Benz W210 All vehicles with ESP and adaptive damping system (ADS)

ESP control lamp illuminates

If there are complaints about the above-mentioned fault, the cause could be a defective steering angle sensor. Faults C 1140 and C1504 may also be stored. To check the steering angle sensor, proceed as follows:

- Go into the menu "Measured values/Parameters" using a diagnosis tester and call up the current values of the steering angle sensor.
- Slowly turn the steering wheel to the right and left, up to the stop. In the course of this, the values should change continuously.
- If this is not the case, the voltage supply at the steering angle sensor (N49) should be checked.
- The plug-connection is located behind the lower steering-wheel panelling.
Pin 2 = earth, pin 3 = terminal 87, pin 4 = terminal 30.
- Switch off the ignition. Disconnect the plug-connection. Measure the voltage between terminal 30 and terminal 4. The value must be between 11–14 V.
- Switch on the ignition. The plug-connection must still remain disconnected. Measure the voltage between terminal 87 and terminal 3. The value must also be between 11–14 V.
- If the values are not in the target range, the supply lines should be checked for possible damage.
- If, however, the values are OK, the steering angle sensor must be replaced.