



Mercedes Benz

**Type W 203 (C-Class) with engine 112
until 30.06.01**

**Type W 210 (E-Class) with engine 112,
113 until 30.06.01**

**Type W 220 (S-Class) with engine 112,
113**

Engine runs roughly

If there are complaints about the above-mentioned fault, it could be caused by a leaky plug on the crankshaft sensor. The contacts become corroded due to moisture penetrating the plug of the crankshaft sensor.

Further symptoms can also be that the engine does not start or that it dies. In addition, the fault codes P2034, P2050 to P2058 can be stored in the fault memory. In this case a new plug must be installed for the crankshaft sensor as well as a new wiring harness.

- Remove the engine cover.
- In the case of Type W 203 with air filter, detach the hose on the left and right between the air filter and the air cleaner snorkel.
- Remove the mass airflow meter with air guide.
- In the case of Type W220 with air filter, detach the hose on the left and right between the air filter and the air cleaner snorkel.
- Pull the plug off the crankshaft sensor.
- Cut the shrink hose from the line and plug and remove



it.

- Pull the contact bushes out of the sensor plug using a detaching tool.
- Cut the cable between the cable insulation and contact bushes.
- Pull a new shrink hose onto the wiring harness.
- Solder the new plug in place with a wire seal and then insulate it with shrink hose. Make sure the wire assignment is correct.
- Install the components in reverse order.
- Delete the fault memory and check the crankshaft sensor to make sure it functions perfectly.

Bulletin

