



BMW 5 Series E34 with M50 engine 3 Series E36 with M 50 engine

Poor engine performance, engine judders

If there should be complaints about the above-mentioned faults, the following must be considered as possible causes:

- Knock sensor faulty.
- Improper assembly of the knock sensor.
- Faulty contacts at the plug-type connections.
- Poor fuel quality or wrong fuel filled.

In addition, the fault "knock control" is stored.

This fault results in the ignition point being permanently out of tune.

In this case proceed as follows.

- Check the sensor signal for plausibility (knock sensor) with the aid of an oscilloscope.
- Measure resistance. Between pin 1 and pin 2; between pin 3 and pin 4 at least 1 MΩ must be measured. Replace the sensors if necessary. Make sure the torque is correct, 15-20 Nm.
- Check plug-type contact for perfect function ⇒ contact fault possible as a result of corrosion.
- Check for very poor fuel quality and make sure correct fuel has been filled.
- Delete the fault memory.

Bulletin