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NOx sensor cannot be programmed

Incorrect spare part or software version

Manufacturer: Mercedes-Benz

Models: Various models with diesel engines

Engines: OM 622, OM 626, OM 642, OM 651, OM 654

Part no.: 571 0005 10, 571 0006 10, 571 0007 10,
571 0015 10, 571 0016 10, 571 0017 10,
571 0027 10, 571 0028 10, 571 0044 10,
571 0045 10, 571 0046 10, 571 0054 10,
571 0091 10, 571 0102 10, 571 0103 10

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See parts catalog for current assignment

Figure 1: NOx sensor – If the sensor cannot be programmed, this is often due to an incorrect assignment

In the above-mentioned vehicles with diesel engines, there may be issues with correctly assigning or identifying the appropriate NOx sensor.

Even when vehicle data is available, it is not always possible to unambiguously identify the appropriate NOx sensor.

However, the safest method is to remove the installed sensor and read the part number on it. The part number of the installed NOx sensor is crucial to determine the correct replacement sensor and to avoid incorrect orders.

This is because Mercedes-Benz does not specify any precise delimitations in its parts catalog and may have already carried out internal measures on the vehicle, such as sensor replacement or software updates. These interventions may not be known about and cannot be identified from the usual vehicle data.

If the incorrect sensor is installed, it cannot be programmed and the error or indicator light will remain on, meaning that the vehicle is not ready for use.



Figure 2: The part number of the old sensor is essential. Only with this information can the new sensor be correctly assigned.

Therefore, it is strongly recommended that you read out the control unit before ordering. You may be able to find the correct part number for the installed sensor there.

After installing the correct sensor, it needs to be programmed. If this is still not possible, the cause is most likely the software version in the engine control unit. This should also be checked and updated to the latest version by updating the SCN (software calibration number).

Please observe the vehicle manufacturer specifications!

You want more? We can help!

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