

Handling Guidelines

MOTORTECH NO_x Sensors



GAS ENGINE TECHNOLOGY



reliable



efficient



worldwide

MOTORTECH NO_x Sensors

Handling Guidelines

The MOTORTECH NO_x sensor is sensitive to improper handling. To avoid damage, please follow the recommendations below:

Mechanical Shock

Avoid any mechanical shock to the sensor. If the sensor falls to the ground, it should be scrapped. If you have any questions about other vibration, please contact a MOTORTECH representative.

The protective cap is designed to prevent dirt and dust from entering the sensor unit, not to prevent mechanical shock.

Cleanliness

The sensor should be stored and handled in a clean, dry, environment (such as oil, dust, smoke) and adverse weather conditions (such as water, snow and sand). The protective cover can be removed only immediately before mounting the sensor unit to the exhaust system. After removing the protective cover, avoid any dirt or dust before installation.

Power Supply

Do not reverse the polarity of the power supply. The electrical connections are coded to prevent incorrect installation.

Painting

Do not paint the sensing unit or the sensor ECU.

Cleaning of MOTORTECH EasyNO_x NO_x Sensor

Do not clean the sensing unit or the sensor ECU using mechanical, chemical or compressed air methods. This may damage or poison the sensor. Do not allow the inside of the sensor unit or the electrical connector disconnected from the sensor ECU to come into contact with any fluid.

Electrical Plug

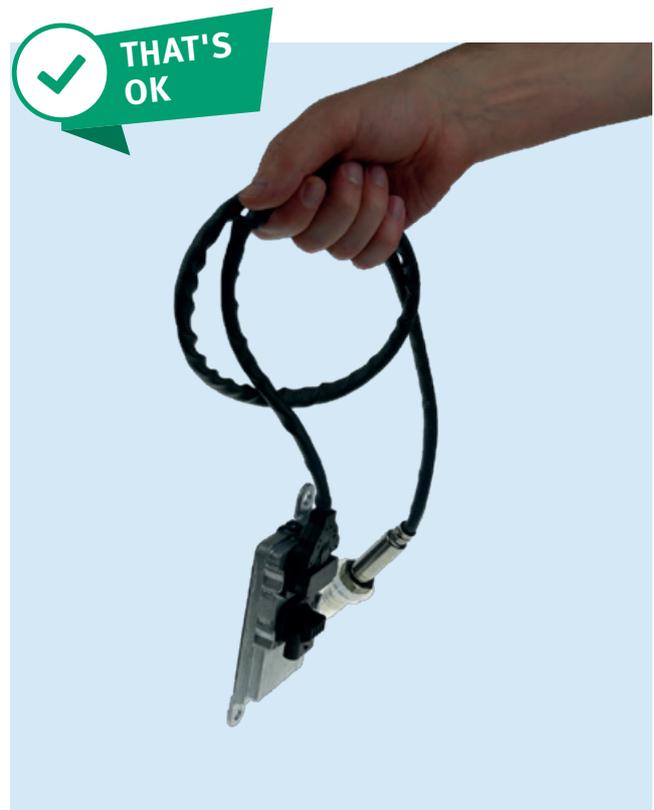
Do not pull out the electrical mating connector when the MOTORTECH NO_x sensor is switched on. This can cause damage to connected devices (e.g. engine control, EasyNO_x).

ESD

Disposal must comply with the ESD standard IEC 61340-5-1 and the associated ESD manual 61340-5-2.

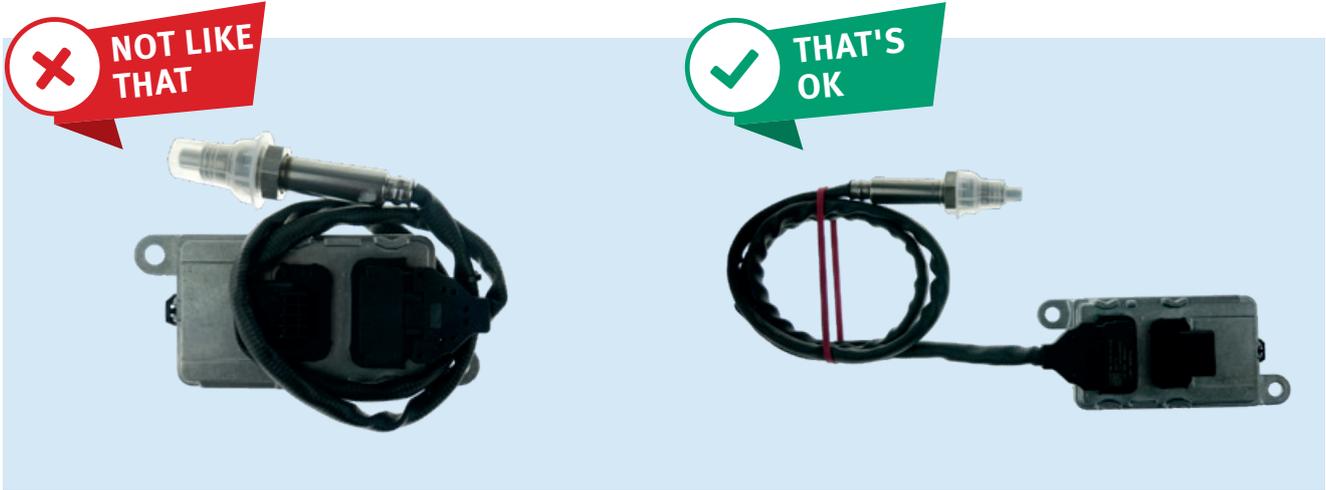
Storage and Transport on the Line

Store the MOTORTECH NO_x sensor in a suitable manner and avoid the risk of mechanical shock. Transport the sensors individually instead of bundled.



Cable handling

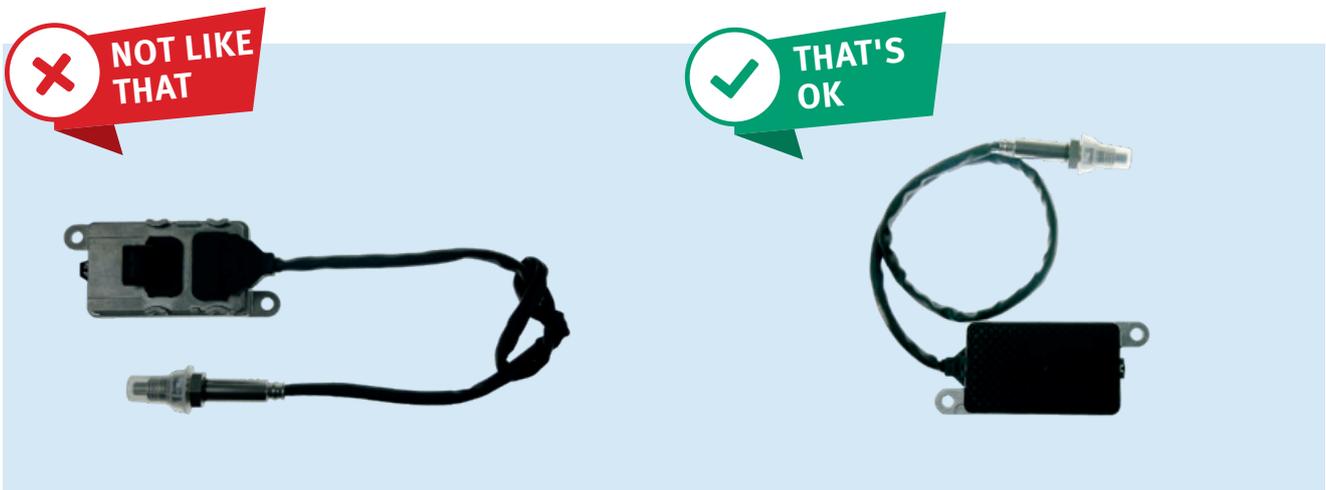
Do not wrap the cable tightly around the sensor ECU.



Do not pull on the cable.



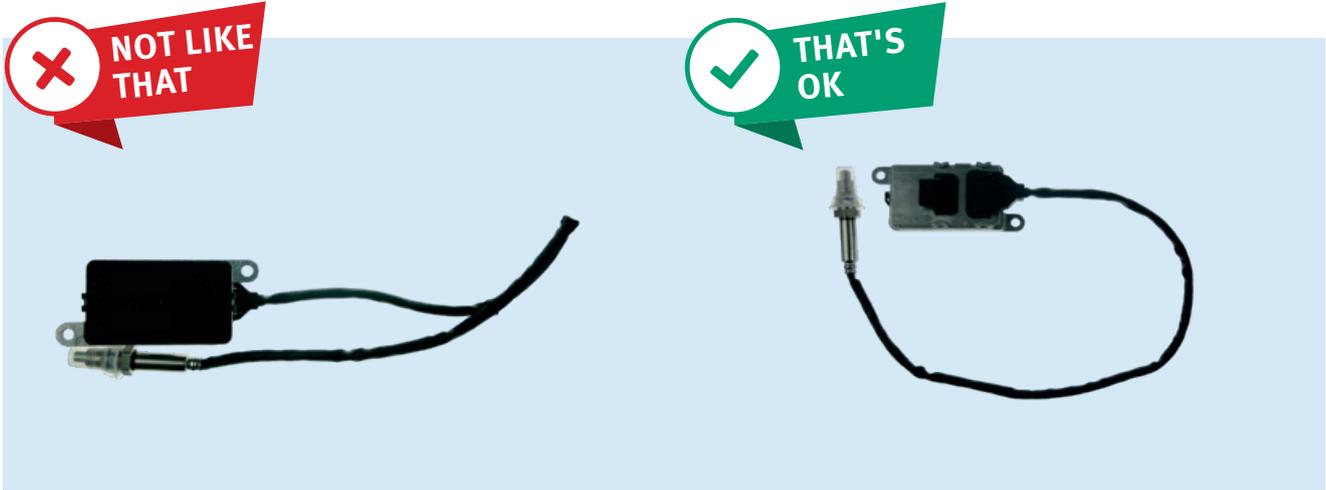
Do not tie knots in the cable.



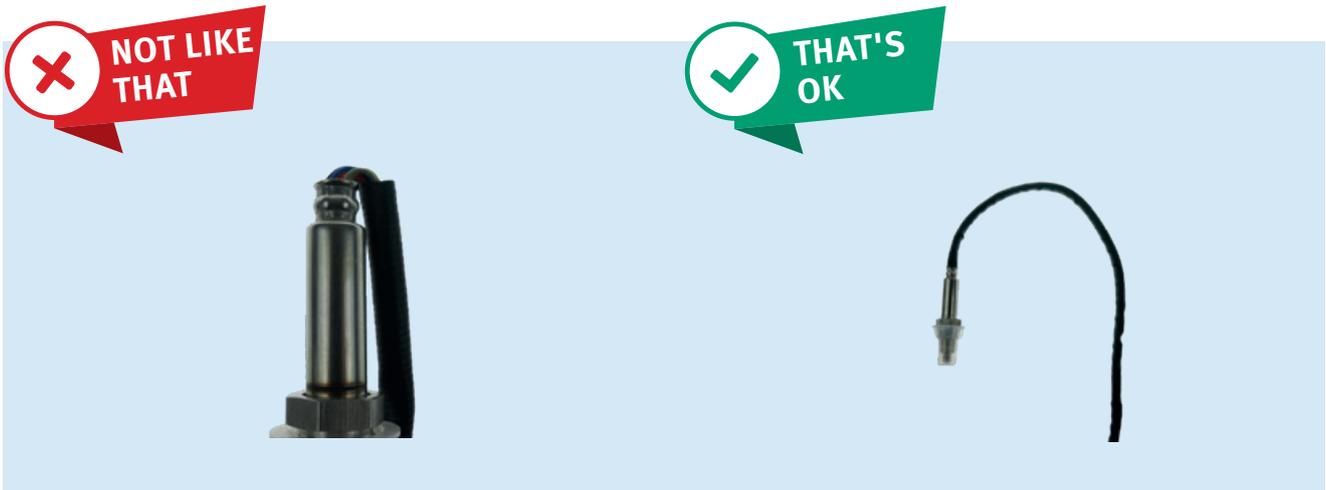
MOTORTECH NO_x Sensors

Cable handling (Continued)

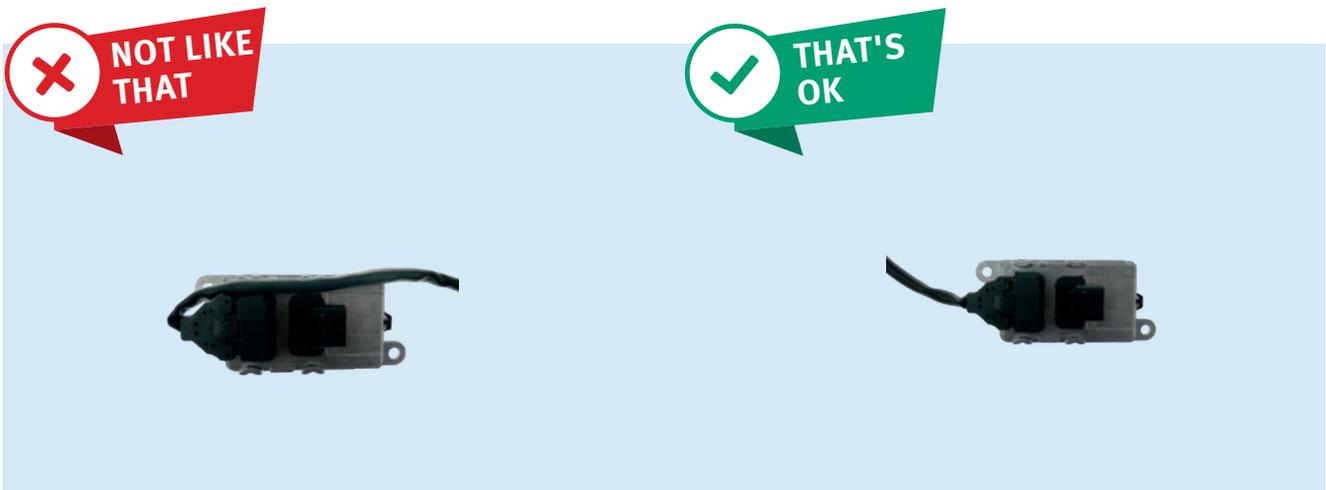
Do not bend the cable.



Do not bend the cable sharply at the base of the sensor unit in the final mounting position.



Do not bend the cable sharply at the sensor ECU in the final mounting position.



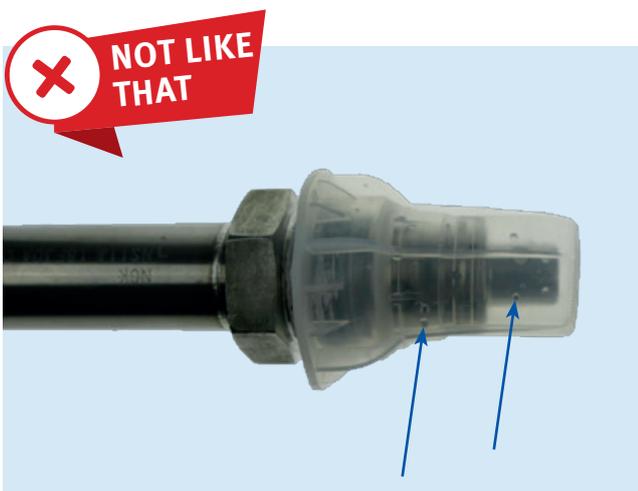
Transport and Storage

- The shipping boxes should be transported and stored in closed condition. It is recommended to store the sensor in the original closed shipping box before use.
- Avoid temperature shocks when opening a shipping box. Avoid a temperature difference of +/- 5 °C between sensor and environment. If the shipping box is transported from a cold (outside) environment to the internal assembly line, please wait at least 4 hours for the box to reach room temperature before opening it to avoid condensation on the parts.
- Storage temperature range: -40 °C to +105 °C (without power)
- Max storage time in production packaging boxes: 18 months after production
- Max storage time in spare part packaging: 2 years after production
- Do not use a knife that cuts deep into the carton to open the shipping carton. This will damage the sensor, especially the cable (varnish tubes). Use a knife that allows limited penetration of the blade.

Neatly roll up the cables for transport.



No condensation in the protective case.



Note: Figures exemplary. Subject to technical changes or product designs.

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GAS ENGINE TECHNOLOGY

Ignition Systems	Red
Spark Plugs & Accessories	Orange
Gas Engine Control Systems	Light Blue
Sensor Systems	Yellow
Air/Fuel Ration Control Systems	Green
Exhaust Gas Aftertreatment	Green
Gas Engine Accessories	Grey

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