



cojali
PARTS

jaltest
BYCOJALI



Catalogue of the exhaust gas aftertreatment system

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INTRODUCTION



With the intention to become a cleaner sector and with fewer emissions, heavy duty transport (mostly diesel) has evolved by installing complex anti-pollution systems.

In addition to the reduction in greenhouse gas emissions, polluting gas emissions have been highly restricted by the latest regulations enacted by the European Commission. These have resulted in a significant change for heavy duty vehicles, forcing manufacturers to equip them with particulate filters (DPF) and NOx reduction catalytic converters (SCR), which require also an AdBlue/DEF dosing system to reduce emissions at maximum.

These systems must have a precise control for their correct performance, which takes place electronically and requires the use of NOx sensors, pressure sensors and temperature sensors. The management performed by different electronic control units (ECUs) in the vehicle makes this possible. Using a diagnostic tool connected to these ECUs enables to quickly locate and repair different failures or problems that might arise.

Reports commissioned by the ICCT (International Council on Clean Transportation) confer 76% of NOx global emissions to the use of heavy duty vehicles, being the European Union among one of the most contributive markets.

But, what are nitrogen oxides (NOx) and why are they currently the centre of attention in terms of emissions? This compound is formed during the combustion process in engines due to high temperatures and pressures. Under these extreme conditions, the nitrogen present in the air that supplies the engine reacts with the oxygen. The latest scenarios on air pollution in big cities due to nitrogen oxides have brought the attention to this gas and have derived into stricter regulations.

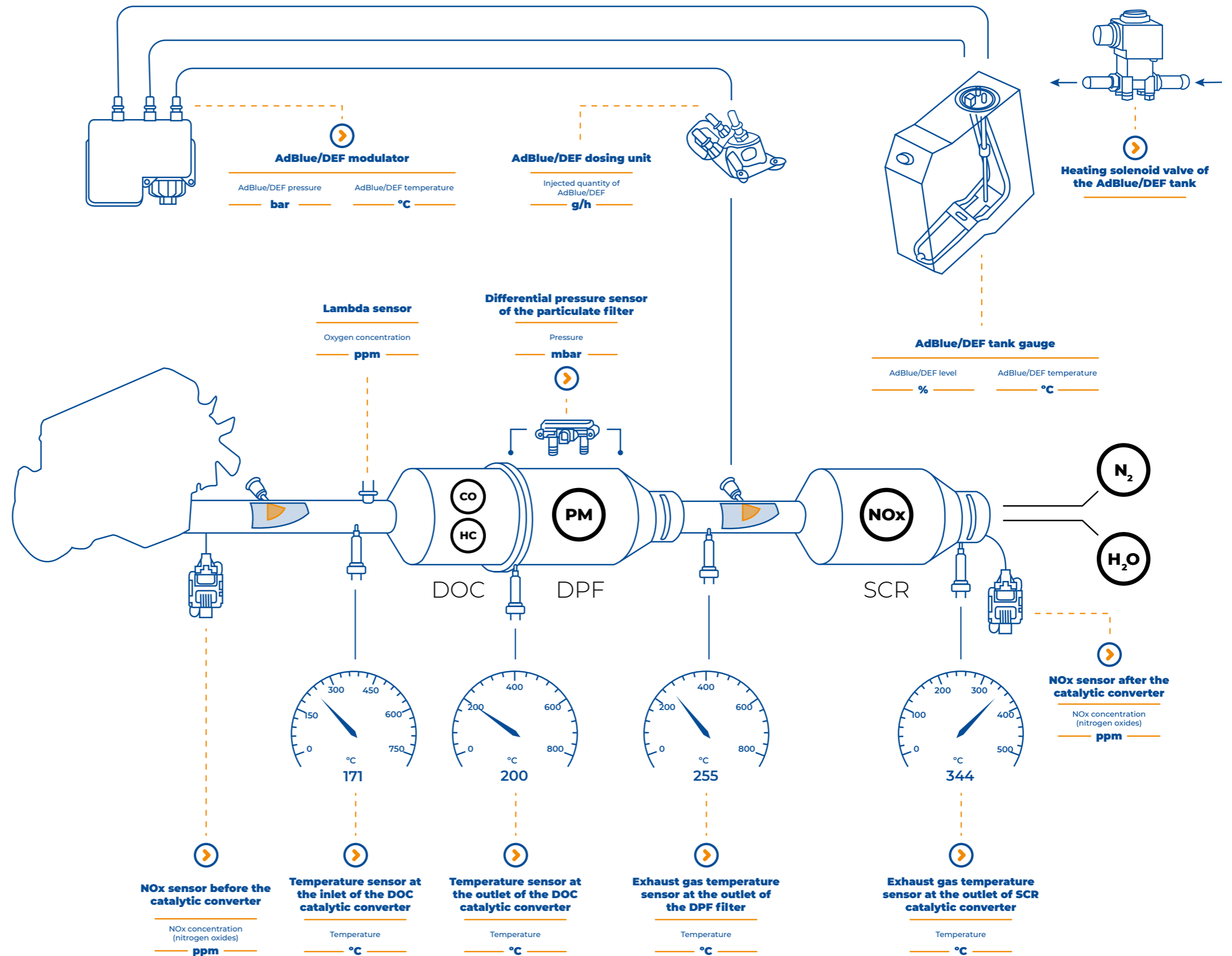
NOx have a harmful effect on health, causing irritation in the respiratory and visual systems when there is exposure to high concentrations. Another additional harmful effect, in this case for the environment, is its contribution to ozone formation (O3), also harmful on health. The accumulation of this gas in busy areas causes a brownish pollution haze (photochemical smog) that covers big cities, especially in hot days.



COJALI PARTS

In Cojali Parts we offer a wide range of components in which electronics plays a key role.

These are in charge of functions as important as the measurement of exhaust gases, which is the reason why they have turned into indispensable elements to meet the current needs of the automotive sector.



Access our products in each phase of the process by clicking on the image



ELECTRIC AND ELECTRONIC COMPONENTS

EXHAUST GAS
AFTERTREATMENT
SYSTEMS



NOx SENSOR

COJALI REF.: **2269000**
OEM: **2011648**

web 



NOx SENSOR

COJALI REF.: **2269001**
OEM: **2011649**

web 



NOx SENSOR

COJALI REF.: **2269002**
OEM: **2011650**

web 



NOx SENSOR

COJALI REF.: **2269003**
OEM: **22827993**

web 



NOx SENSOR

COJALI REF.: **2269006**
OEM: **2294290**

web 



NOx SENSOR

COJALI REF.: **2269007**
OEM: **2294291**

web 



NOx SENSOR

COJALI REF.: **2269008**
OEM: **51154080015**

web 



NOx SENSOR

COJALI REF.: **2269009**
OEM: **5801363754**

web 



NOx SENSOR

COJALI REF.: **2269010**
OEM: **4326862**

web 



NOx SENSOR

COJALI REF.: **2269011**
OEM: **2894940**

web 



NOx SENSOR

COJALI REF.: **2269012**
OEM: **4326863**

web 



NOx SENSOR

COJALI REF.: **2269013**
OEM: **2296799**

web 



NOx SENSOR

COJALI REF.: **2269014**
OEM: **0091533628**

web 



NOx SENSOR

COJALI REF.: **2269015**
OEM: **2006245**

web 



NOx SENSOR

COJALI REF.: **2269016**
OEM: **51154080019**

web 



NOx SENSOR

COJALI REF.: **2269017**
OEM: **51154080017**

web 



NOx SENSOR

COJALI REF.: **2269018**
OEM: **0101539328**

web 



NOx SENSOR

COJALI REF.: **2269019**
OEM: **0091530028**

web 



NOx SENSOR

COJALI REF.: **2269020**
OEM: **0101531728**

web 



NOx SENSOR

COJALI REF.: **2269021**
OEM: **0101531428**

web 



NOx SENSOR

COJALI REF.: **2269022**
OEM: **22827991**

web 



NOx SENSOR

COJALI REF.: **2269023**
OEM: **5801754016**

web 



NOx SENSOR

COJALI REF.: **2269024**
OEM: **5801754015**

web 



NOx SENSOR

COJALI REF.: **2269025**
OEM: **4326769**

web 



NOx SENSOR

COJALI REF.: **2269031**
OEM: **0101531628**

web 



NOx SENSOR

COJALI REF.: **2269032**
OEM: **0101531528**

web 



NOx SENSOR

COJALI REF.: **2269035**
OEM: **51154080018**

web 



NOx SENSOR

COJALI REF.: **2269036**
OEM: **51154080016**

web 



NOx SENSOR

COJALI REF.: **2269039**
OEM: **5801754014**

web 



NOx SENSOR

COJALI REF.: **2269040**
OEM: **5801777219**

web 



NOx SENSOR

COJALI REF.: **2269062**
OEM: **8983023940**

web 



NOx SENSOR

COJALI REF.: **2269063**
OEM: **0111537128**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260399**
OEM: **81274210264**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260781**
OEM: **21412472**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260782**
OEM: **20889280**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260881**
OEM: **75424618**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260891**
OEM: **21164790**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260894**
OEM: **7421412472**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260895**
OEM: **81274210263**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260896**
OEM: **7420889280**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260897**
OEM: **61530728**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260898**
OEM: **1810691**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260899**
OEM: **1810690**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260900**
OEM: **5801291815**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260901**
OEM: **61530628**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260903**
OEM: **21010707**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260904**
OEM: **7421225020**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260905**
OEM: **21164792**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260906**
OEM: **5801455940**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260907**
OEM: **2265872**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2260975**
OEM: **21225020**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262002**
OEM: **61530528**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262003**
OEM: **61530428**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262004**
OEM: **61530828**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262005**
OEM: **21164414**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262006**
OEM: **4954574**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262007**
OEM: **4902912**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262008**
OEM: **2872468**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262015**
OEM: **21285163**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262016**
OEM: **69502363**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262017**
OEM: **5801356474**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262018**
OEM: **69502946**

web 



EXHAUST GAS TEMPERATURE SENSOR AFTER THE CATALYTIC CONVERTER

COJALI REF.: **2262019**
OEM: **5801356481**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262020**
OEM: **03K906088A**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262021**
OEM: **070906088A**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262022**
OEM: **51825674**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262023**
OEM: **03L906088DM**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262025**
OEM: **226407522R**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262027**
OEM: **03L906088DN**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262028**
OEM: **95515595**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262061**
OEM: **1603108030**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262062**
OEM: **1614310102**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262021**
OEM: **070906088A**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262022**
OEM: **51825674**

web 



EXHAUST GAS TEMPERATURE SENSOR

COJALI REF.: **2262023**
OEM: **03L906088DM**

web 



EXHAUST GAS PRESSURE SENSOR

COJALI REF.: **2260955**
OEM: **0281006287**

web 



ADBLUE/DEF PRESSURE SENSOR

COJALI REF.: **2260939**
OEM: **0061537528**

web 



SOLENOID VALVE

COJALI REF.: **2880266**
OEM: **21314742**

web 



SOLENOID VALVE

COJALI REF.: **2880258**
OEM: **21314741**

web 



SOLENOID VALVE

COJALI REF.: **2880257**
OEM: **20933795**

web 



COJALI NOx SENSORS, APPROVED UNDER ECE R10 REGULATION!

Vehicle electronic components produce electromagnetic waves. Therefore, if the electronic design of these components is not suitable, these waves can affect the operation of other electronic peripherals or even be affected by nearby electromagnetic waves.

Nowadays, all vehicles have a large number of electronic components in their architecture, so it is essential to ensure that they are well synchronised with each other.

The ECE R10 regulation controls the electromagnetic compatibility between on-board electronic components in vehicles. Unlike other brands, our NOx sensors are approved under this regulation.

Find out all references of our NOx sensors and choose the one that best suits your vehicle needs.



ADBLUE/DEF MODULE CLEANING KIT

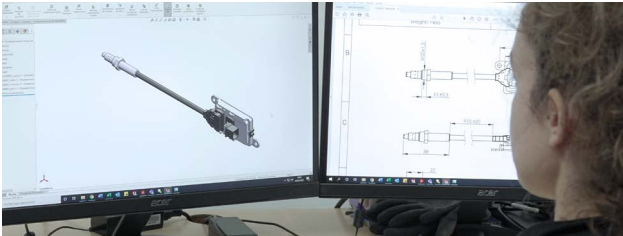
COJALI REF.: 50105118
OEM: 80.99629-6042

web



All our components undergo wide and demandable quality processes to guarantee the optimal operation of the product before its final installation in the vehicle. In Cojali we take care of each detail in the manufacture process:

DESIGN



MANUFACTURE



ASSEMBLY



CHECKING



How do we install a NOx sensor?



see video 



TECHNICAL DOCUMENT EXHAUST GAS AFTERTREATMENT SYSTEMS



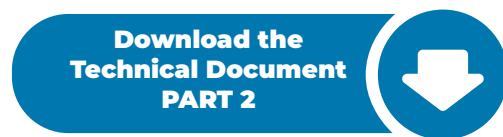
jaltest
DIAGNOSTICS

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TECHNICAL DOCUMENT FEATURED

- Aftertreatment failures:
 - Exhaust Gas Recirculation (EGR).
 - Diesel Oxidation Catalyst (DOC).
 - Diesel Particulate Filter (DPF).
 - Selective Catalytic Reduction systems (SCR).
- Stages of problems in the aftertreatment system.
- DPF regenerations: passive, active and forced.
- DPF reset.
- DPF Replacement.
- Maintenance of the aftertreatment system.
- Recurring problems in the aftertreatment system.
- Diagnostic tool and aftertreatment system.





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