



DAIMLER TRUCKS NORTH AMERICA AFTERMARKET

No.: 23TS-05Rev
August 2023

TO: Service Locations

FROM: Service Systems Development

SUBJECT: **Fault Codes SPN 2659/FMI 0 and SPN 3216/FMI 20 on DD16/GATS 2.0 Only**

ISSUE

For vehicles equipped with DD16/GATS 2.0, there has been an increase in the frequency of fault code 2659/0, 'Exhaust Gas Recirculation Flow Target Error Diagnostic - High Flow', and as a result of this fault, fault code 3216/20, 'NOx Raw Sensor Diagnosis Oxygen Pump Capacity High.' This is due to a calibration issue in the current Motor Control Module (MCM) software (19.1.1.3, and 19.2.1.4).

REQUIRED ACTION

Currently, when the fault occurs, there will be a 25% derate, and the driver will see a Malfunction Indicator Lamp (MIL) and Check Engine Lamp (CEL). In addition, the unit will not be able to perform a Diesel Particulate Filter (DPF) regeneration.

Detroit released a fuel map revision in August 2023 that eliminates the derate, and regeneration inhibits, associated with the 2659/0 fault. Dealers should update the MCM to software level 19.2.1.4 or higher, and fuel maps ending with ZGS 002.

Do not replace the Exhaust Gas Recirculation (EGR) delta P sensor, Selective Catalytic Reduction (SCR) NOx inlet sensor, inlet manifold temperature sensor nor the MCM.

In the event a unit logs this fault after receiving the latest fuel map update, clear the fault, and release the unit to service. New software will be released in the future to permanently address this fault.

CLAIM PROCESS

PFP: SOFTWARE

Component code: 044-003-286 SOFTWARE-MOTOR CONTROL MODULE

CONTACT INFORMATION

Please contact the Detroit Diesel Customer Support Center at 800-445-1980 or email csc@daimler.com if you have any questions.