



No.: 26CSA-07

July 2026

TO: Service Locations
FROM: Service Engineering
SUBJECT: **DEF Inducement Relaxation Software**

SUBJECT DETAIL

In August 2025, the EPA revised the guidelines for derating diesel engines with empty and/or non-functioning DEF systems. Detroit is releasing new optional software with updated vehicle reactions for DEF inducement faults that align with the new guidance. Under the new guidance, the final inducement has increased its speed limit from 5 mph to 25 mph, and the time to final inducements related to component failures has been extended. This change gives operators more time to repair faults without compromising productivity or safety. While the extended timeframe allows fleets to avoid roadside disruptions, emissions compliance remains mandatory, and vehicles must still be repaired to ensure environmental standards are met. The logic to trigger the final inducements related to DEF tank level remains unchanged.

The new software is currently available for Gen 5 Detroit DD13 and DD15 engines. It is also available for DD16s with the GATS2.0 Aftertreatment System. Software updates for most GHG17 Medium Duty and all GHG17 Heavy Duty Detroit engines are planned for release in mid to late 2026. Updating software is optional. The associated costs will not be covered by warranty.



INDUCEMENT REACTIONS

The tables below show the old and new inducement reactions. Updated time thresholds and reactions are in bold.

Old Inducement Reactions

Old Time Threshold	0	30 Minutes	31 Minutes	3 Hours 31 Minutes	3 Hours 31 Minutes+
Old Torque Derate	No Derate	25%	25%	40%	40%
Old Vehicle Speed Limit	75+ mph	55 mph	55 mph	55 mph	5 mph

New Inducement Reactions

New Time Threshold	0	10 hours	80 hours	160 hours	160 hours+
New Torque Derate	No Derate	15%	30%	30%	No Derate
New Vehicle Speed Limit	75+ mph	75+ mph	75+ mph	75+ mph	25 mph



VEHICLE IDENTIFICATION

The table below indicates the minimum software version and fuel map required for the relaxed DEF inducement reactions. The software and fuel maps listed are available for programming today using DiagnosticLink. Over-the-Air programming options are being evaluated by the Connectivity Services Group. This letter will be revised to reflect any future updates in deployment strategy.

Engine	MCM Software Version	MCM Fuel Map	ACM Software Version	ACM Fuel Map
All 2026 Gen 5 Engines	Included in Production Software			
2025 Gen 5 DD15	19.6.1.1	ZGS 002	10.56.1.1	ZGS 002
2021-2024 Gen 5 DD15	19.4.1.5	ZGS 001	10.54.3.0	ZGS 004
2022-2025 Gen 5 DD13HP	19.6.1.1	ZGS 002	10.56.1.1	ZGS 002
2022-2023 Gen 5 DD13TCO	19.2.1.41	ZGS 001	10.52.1.0	ZGS 003
2022-2025 DD16 with GATS2.0 ATS	19.6.1.1	ZGS 002	10.56.1.1	ZGS 002
GHG17 Heavy Duty Engines	Target Release Q4 2026			
2018 and Newer Medium Duty Engines	Target Release Q3/Q4 2026			

WARRANTY STATEMENT

This is an informational bulletin only. Warranty does not apply.

CONTACT INFORMATION

Please email the Detroit Diesel Customer Support Center at csc@daimlertruck.com if you have questions.