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Case Number: S2625000002

Release Date: February 2026

Symptom/Vehicle Issue: Malfunction Indicator Lamp (MIL) Illuminated, Diagnostic Trouble Codes (DTCs) P208B, P2D1F, P218F, P202E, P2048, P20E8, Setting In The Powertrain Control Module (PCM)

Models Affected: 25-26MY DJ, D2, DD, DP, RAM 2500, 3500, 4500, 5500

Note: Before diagnostics, verify that all applicable TSB have been reviewed performed.

Customer Complaint/Technician Observation: Customer may complain that the MIL is illuminated. service exhaust message may be displaying in the EVIC. The technician may find DTCs P208B, P2D1F, P218F, P202E, P2048, P20E8 in the PCM.

Discussion: If the DTC is not active and diesel exhaust fluid (DEF) doser passes the bucket test (DEF reductant doser pump override test) **DO NOT** replace the DEF doser. The technician should perform a bucket test and confirm that test is valid by verifying the pressure and time elapsed is higher than 6 minutes when DEF doser is installed and pressure is 80-94 PSI. When the DEF doser is removed elapsed time should be more than 30 seconds and pressure is 55-75PSI.

	Elapsed Time	Pressure
Doser Installed	> 6 Minutes	80 - 90 PSI / 552 - 648 kpa
Doser Removed	> 30 Seconds	55 - 75 PSI / 379 - 517 kpa

If the test elapsed time was lower than specified, then we need to perform a sleep cycle, clear DTCs, and retest. If the test concludes that pressure was not up to spec, then perform the following.

1. Remove the urea line from DEF tank and place the hose into a container.
2. Run "DEF Reductant Doser Pump Override Test" and observe flow out of pump.

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Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



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3. Reconnect Urea Line and Run “DEF Reductant Doser Prime Override Test” system should prime and maintain pressure.

Perform bucket test again and if the bucket test passes, the technician should treat this as an intermittent issue (stored DTC) and no parts should be replaced at this time. We have been getting back many DEF dosers that have been no trouble found.

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