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Case Number: S2509000010

Release Date: November 2025

Symptom/Vehicle Issue: High Soot Load In the Diesel Particulate Filter (DPF) Setting DTC P242F

Customer Complaint/Technician Observation: Customer gets EVIC message "Exhaust Filter Full, Reduced Power, see Dealer"

P242F – DPF SOOT LOAD SEVERE ERROR

P1451 – DPF DELTAP HIGH ERR / DPF SOOT LOAD MEDIUM ERROR

Discussion: If you receive a vehicle with the above condition, complete the following:

- 1) Check if other DTCS are present. If any are found, follow the necessary troubleshooting diagnostic trouble tree prior to proceeding with the steps below.
NOTE: Exceptions are P0401, P226C or P2281; do not troubleshoot and proceed with steps below.
- 2) Visual inspection of the differential pressure sensor hardware:
 - a. Check the differential pressure sensor tubes for any internal blockage (water/soot/ice) and kinks.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found



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- b. Check the differential pressure sensor wiring/connector for water intrusion, pushed back or loose pins.
- 3) After resolving all other DTC's & if no issues are found on differential pressure sensor tubes/ differential pressure sensor wiring, clear all DTCs and initiate WiTECH DPF replacement routine. This sets the soot load to 6 g/l.
- 4) Begin a forced stationary desoot with WiTECH.
- 5) If during desoot, P1451 triggers and causes for the engine to come out of regen, replace DOC/DPF.
- 6) If the stationary desoot completes without issue, do a short drive to ensure no other DTC's return. If any DTC's return (pending or active), Including P0401, P226C or P2281, follow the necessary troubleshooting diagnostic trouble tree.
- 7) If no DTC's return, release vehicle to customer.

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