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Case Number: S2625000004

Release Date: March 2026

Symptom/Vehicle Issue: Active/Pending Diagnostic Trouble Code (DTC) P24A0, P2482, P2481, P0420, P2470, P2471, P2472, P242D, P242B, P244D, P1484 And/or P214D setting In The Powertrain Control Module (PCM)

Models Affected: 2025-2026 RAM 3500 (DD) 2025-2026 RAM 4500/5500 (DP)

Customer Complaint/Technician Observation: The customer may have a concern that the malfunction indicator lamp (MIL) has illuminated. The technician may find DTCs P24A0, P2482, P2481, P0420, P2470, P2471, P2472, P242D, P242B, P244D, P1484, P1484 And/or P214D setting in the PCM related to Exhaust Gas Temperature Sensor.

Note: Before performing any diagnostics involving exhaust sensors, verify that the battery voltage is within operating range. Hooking up to a battery charger to maintain proper voltages to the vehicle may be needed.

Discussion: In troubleshooting steps, use sensor names, not numbers, to understand what sensor and associated temperature being displayed in wiTECH, bearing in mind that sensors 1/1 and 1/2, as seen in diagram, are currently not available in wiTECH. Additionally, use this document's table and diagram as reference when searching for proper location during troubleshooting of each sensor DTC.

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.

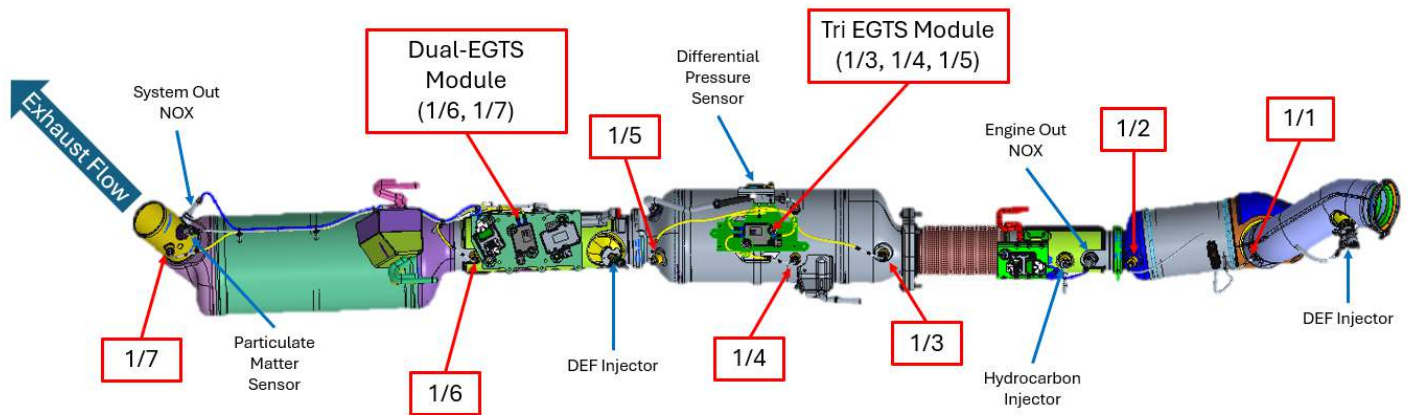
Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



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Cab Chassis Diagram



Sensor	Assembly	wiTECH Name	Sensor Type
1/1	LOSCR Inlet	Not available	Single Analog
1/2	LOSCR Outlet	Not available	Single Analog
1/3	DOC Inlet	Exhaust Gas Temperature Sensor - DOC Inlet (Pickup - Sensor 5 / Cab Chassis - Sensor 3)	Tri-EGTS Digital
1/4	DOC Outlet	Exhaust Gas Temperature Sensor - DOC Outlet (Pickup - Sensor 6 / Cab Chassis - Sensor 4)	Tri-EGTS Digital
1/5	DPF Outlet	Exhaust Gas Temperature Sensor - DPF Outlet (Pickup - Sensor 7 / Cab Chassis - Sensor 5)	Tri-EGTS Digital
1/6	SCR Inlet	Exhaust Gas Temperature Sensor - SCR Inlet (Pickup - Sensor 3 / Cab Chassis - Sensor 6)	Dual-EGTS Digital
1/7	SCR Outlet	Exhaust Gas Temperature Sensor - SCR Outlet (Pickup - Sensor 4 / Cab Chassis - Sensor 7)	Dual-EGTS Digital

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