



STAR ONLINE PUBLICATION



Case Number: S1625000002 REV. B

Release Date: March 2025

Symptom/Vehicle Issue: Malfunction Indicator Lamp (MIL) Illumination, Diagnostic Trouble Codes (DTCs) P21C4 – (Diesel Exhaust Fluid) Reductant Line Heater Control Circuit High, and U11C1 – Reductant Control Module Received Implausible Data From ECM/PCM, Set

Discussion: Some customers may experience a MIL illumination. Upon further inspection the technician may find DTCs P21C4 and/or U11C1 setting in the Powertrain Control Module (PCM). In addition, these DTCs may have set after a recent replacement of the Dosing Control Module (DCU)

If you receive a vehicle with the above condition, **DO NOT** replace any additional parts. These DTCs may be set due to the generic replacement DCU not being programmed. Please refer to the following repair procedure.

Repair Procedure:

NOTE: New replacement DCUs are generic and must be programmed after installation.

NOTE: There may not be a lightning bolt displayed on the module topology for the DCU showing an available update. Navigate to the flash tab in the DCU using Wi-Tech to view the latest available software.

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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1. Using wiTECH, navigate to the DCU flash tab and note the current and available DCU software part numbers. Is the current part number in the DCU 68638618AA?
 - a. Yes>>> Please refer to TSB 25-008-24 and re-evaluate the concern.
 - b. No>>> Proceed to step 2.
2. Do the current and available part numbers match?
 - a. Yes>>> This document no longer applies. Please refer to normal published diagnostics and repair as necessary.
 - b. No>>> The DCU needs to be programmed. Please program the DCU with the latest available part number following all normal programming procedures
3. Clear all DTCs and verify they do not reset.

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