

STAR Case



Case Number: S2008000015

Release Date: 02/28/2020

Symptom/Vehicle Issue: Electronic Stability Control (ESC) Indicator Light Illuminated, DTC's U1440, U0403 And No (DTCM) Drive Train Control Module Codes Present

Customer Complaint/Technician Observation: Owner complains that the ESC lamp is illuminated. Technician Observed: Traction control light, Active/Stored U1440 (Implausible Transfer Case Ratio High Received) And U0403 (Implausible Data Received From T-Case) DTC's, And No DTC's Set In Drivetrain Control Module (DTCM)

Repair Procedure: If U1440 (set in PCM) and U0403 (set in ABS) are active or stored with no DTC's set in the DTCM, continue with this repair below. If DTC's are present in DTCM, diagnose and repair the DTCM DTC's using normal diagnostic service procedures available in Service Library.

1. If the U1440 and U0403 DTC's with no DTCM DTC's present, follow the steps below.
 - A. Clear the DTC's that are stored and confirm Traction Control Light is off. Cycle ignition to the ignition on and then off position multiple times without starting; up to 10 times. Cycle the transfer case into various mode positions. For example, turn the ignition to run, and if the current state of transfer case is 4WD-HI, cycle it from 4WD-HI to 4WD-LO to 2WD and back to 4WD-HI. If it is in 2WD, cycle it from 2WD to 4WD-HI to 4WD-LO and back to 2WD. For stored code conditions that do not reset it may require a test drive to confirm no DTC's return. If no DTC's return, no further repairs required. If DTC's return active or stored, continue with step B.
 - B. Check the Front Axle Disconnect (FAD), transfer case, and DTCM wire harnesses and connectors for damage or spread terminal connections, contaminates or water intrusion. If any conditions are identified document with pictures. Repair/Replace any bad electrical connections per normal service procedures located Service Library. If no wiring concerns identified, continue with step C.
 - C. Electrically disconnect the DTCM and battery. Wait for 5 minutes, reconnect the DTCM, and then the battery. Start the vehicle and cycle through transfer case modes (4WD-HI, 4WD-Low, and 2WD) and check the DTC status, if no DTC's return no further repairs are required. For returning DTC conditions, contact STAR Center for further support documentation and repairs that may require a replacement DTCM.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Center 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.