



STAR ONLINE PUBLICATION



Case Number: S2408000110

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Symptom/Vehicle Issue: Vehicle Does Not Start. Electric Steering Column Lock (ESCL) Does Not Function, Steering Wheel Locked. DTCs U1433-62, U1412-62, U1517-62 In The ESCL

Discussion: The customer may state the vehicle does not start. The ESCL does not operator and the steering wheel is locked. Upon scanning the vehicle for DTC's, one or more of the following may be Active or Stored in the ESCL:

- DTC U1433-62 - Implausible Ignition Switch Status Message Received-Signal Compare Failure
- DTC U1412-62 - Implausible Vehicle Speed Signal Received - Signal Compare Failure
- DTC U1517-62 - Body Controller Secret Code-Signal Compare Failure

Diagnosis: Perform the following checks:

1. Confirm if warning light appear in the cluster.
2. Confirm Battery Voltage is within 10 and 16V.
2. Inspect the vehicle for any aftermarket accessories that may have been installed incorrectly.

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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3. Inspect and replace any open fuses.
4. Using a Scan Tool, read PCM, BCM, ABS, and RFHM DTCs. Repair and clear all Communication and Security DTCs prior to performing ESL Module diagnostic procedures.

Repair: Clear the faults and do not replace the ESCL unless you confirm the following:

1. Confirm proper system voltage, the battery must be between 10 and 16 volts. Using the Scan Tool, read DTCs and refer to the appropriate Diagnostic Procedure.
2. Inspect the vehicle for any aftermarket accessories that may have been installed incorrectly.
3. Inspect and replace any open fuses.
4. Using a Scan Tool, read PCM, BCM, ABS, and RFHM DTCs. Repair and clear all Communication and Security DTCs prior to performing ESL Module diagnostic procedures.
5. If the Scan Tool cannot communicate with the ESL Module, check the harness connections using the wiring diagram/schematic as a guide. Inspect the wiring and harness connector and terminals related to the ESL Module for physical damage and corrosion. Ensure related ground circuits are clean and tight. Clean or repair as necessary.
6. Using the Scan Tool, read and record all ESL Module DTCs. Record the ESL Module software version and variant ID (configuration or level).
7. If the ESL Module was recently replaced, ensure the ESL Module was properly programmed.
8. Check for Service Information Tune-ups or Technical Service Bulletins (TSB) that may apply (such as PCM, BCM, ABS, and RFHM).
9. If after executing previous steps the ESCL DTC's still present and cannot be cleared, then replace ESCL module.

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