



STAR ONLINE PUBLICATION



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Symptom/Vehicle Issue: Vehicle Will Not Turn On Or Start. P0513 Set In The HCP And U151A-87 In The BCM

Discussion: The customer may complain that at times the vehicle does not key on or start when pushing the ignition switch. Upon scanning the vehicles for DTC's you may find P0513 - Invalid SKIM Key set in the HCP, and U151A-87 - Hybrid Control Processor Secret Code-Missing Message set in the BCM. If the ignition is switched OFF and then back ON after 12.1 seconds within a 400ms window. A failed SKIM handshake occurs and the aforementioned conditions will exist.

Diagnosis: This issue may be difficult to duplicate. Speak with the customer about how the concern occurred and confirm it aligns with the issue described above. Scan the vehicle for DTC's, if P0513 and U151-87 are found. This document applies to the concern.

Repair: No parts should be replaced for this concern. If the customer experiences this issue, advise them to perform the following: **Take their foot off of the brake pedal, switch ignition Off. Let the vehicle sit a few minutes and allow the vehicle to power down. During this time, the EPROM data will write in the background. Place their foot back on the brake pedal and switch the ignition to On/Start. Normal vehicle operation should resume.**

A software update for the HCP/AHCP is expected to be released early 2nd quarter 2021 to address this issue.

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