



## STAR ONLINE PUBLICATION



**Case Number:** S2208000120

**Release Date:** June 2022

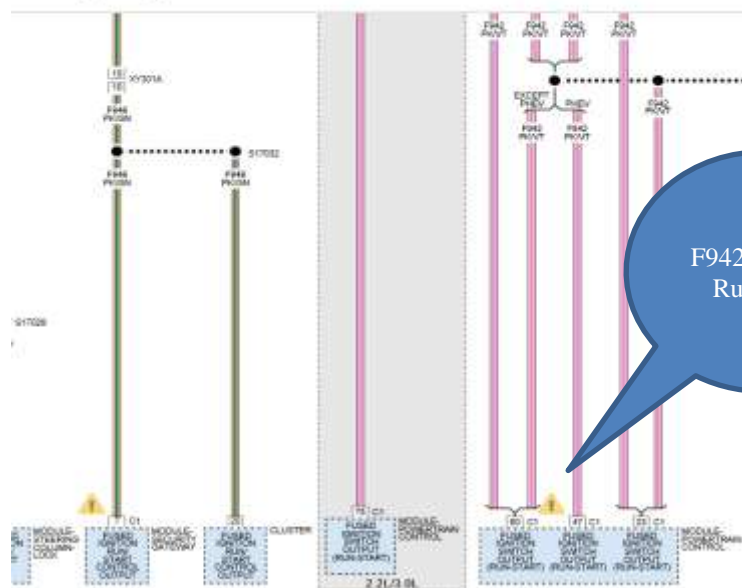
**Symptom/Vehicle Issue:** No Start, No Crank, Battery IOD

**Customer Complaint/Technician Observation:** Vehicle does not start, Check Engine Lamp (CEL) on and a battery drain complaint. Technician observed the vehicle is setting a PCM – U0168 Lost Communication W/Security Module, BCM – U1514-87 Engine Secret Code Missing, HCP P0513 Invalid Skim Key, these codes may be stored or active.

**Repair Procedure:** Use the PCM module connector pin outs to verify the PCM circuits are correct for the ignition switch positions. Example: Ignition power circuits at the PCM should have no voltage when the key is off and the correct battery voltage with the key position illustrated. The B+ circuit(s) battery voltage with key on or off, and all ground circuit(s) are properly grounded. Inspect all terminals involved for any signs of terminal damage, spread, or pushed out terminals.

**Example:** Run/Start not powering off (trace voltage) at the PCM when the ignition was turned off, PCM may not power off completely with the vehicle not running.

Wiring Diagram - FUSES/RELAY - RUN/STA...



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**