



GROUP
Electrical

MODEL
**2011-2016MY
Optima Hybrid
(TF HEV)**

NUMBER
PS515 (Rev 2, 02/28/2019)

DATE
August 2017



TECHNICAL OPERATIONS

SUBJECT: DTC P1B25/P1B77 – 125 AMP HV FUSE INSPECTION

* NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

When addressing a concern related to the 2011-2016MY Optima Hybrid (TF HEV) High Voltage (HV) warning light ON and KDS detects a primary DTC P1B25 (HV Path Fault) and secondary DTC P1B77 (HV Pre-Charge Fault), then the 125 Amp High Voltage Battery Fuse (red label), if not yet replaced with the newer 150 Amp, should be inspected for an intermittent and/or an open condition. The high voltage fuse is part of the safety plug located in the trunk.

Refer to the applicable Shop Manual on KGIS to remove the HV battery safety plug and shut off the high voltage circuit and then remove the high voltage fuse within the safety plug.

Measure the resistance while tapping on the fuse (less than $<1\Omega$ resistance).

Specification: 1Ω or less (68°F)

If the measured resistance is not within specification, or the P1B25 DTC is intermittent, replace the 125 Amp HV Battery Fuse with the newer 150 Amp HV battery fuse (part #375F2 4R150).

DANGER

When performing this procedure, follow all EV battery safety precaution procedures found in the “General Information → General Safety Information and Caution” chapter in the applicable Shop Manual on KGIS and wear all required Personal Protection Equipment (PPE). Failure to follow the safety instructions may result in serious electrical injuries.

