	GROUP	MODEL
	Climate	**2011~2016MY Optima Hybrid (TF HEV)**
	NUMBER	DATE
	PS391	**August 2015**

PITSTOP

TECHNICAL OPERATIONS

SUBJECT OPTIMA HYBRID (TF HEV) WITH DTC B1695 - LOST COMMUNICATION WITH E-COMP

WARNING

Be sure to remove the hybrid battery safety plug before performing this repair, and keep the plug in your possession until complete. If not, electric discharge injury may result from High-Voltage (HV) current.

When addressing a customer concern related to an A/C system not blowing cold air and DTC B1695 is active in the A/C Control Unit, this could be the result of one, or more, of the following conditions:

- A blown High-Voltage (HV) fuse in the E-Comp 270 volt supply circuit.
- A circuit concern between the A/C Control Unit and the E-Comp
- A High-Voltage (HV) circuit concern

Begin the diagnosis process by locating the HV E-Comp fuse on the HPCU. The fuse is located at the rear of the unit just above the 270V input to the HPCU. Once the fuse is located, remove it and test for continuity across the fuse. If the continuity test reveals an open circuit, order a replacement fuse. **Note – If the fuse is blown, it is likely due to either a harness or an E-Comp concern. Verify the root cause before replacing the fuse or it will likely blow again. For additional diagnosis information, refer to the Service Information on KGIS.**