



Preliminary Information

PIT6044F Service High Voltage with MIL and/or DTCs

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
BrightDrop	Zevo 600 eLCV	2023	ALL	All	All	All
Cadillac	EV LYRIQ	2023 - 2024	ALL	All	All	All
GMC	HUMMER EV	2022 - 2024	ALL	All	All	All
GMC	HUMMER EV SUV	2024	ALL	All	All	All

Involved Region or Country	North America
Condition	Some customers may comment the MIL is illuminated or Service High Voltage Message displayed on the IPC. A technician may find any of the following DTCs; U2220, U2221, U2222, U2223, U2224, U2225, U2226, U2227, U2228, U2229, U222A, U222B, U222C, U222D, U222E, U222F, U2230, U2231, U2232, U2233, U2234, U2235, U2236, U2237, and/or U2C11 set as current or history.
Cause	A potential software anomaly may be present.

Correction:

1. Verify the vehicle has one or more of the following DTCs set; U2220, U2221, U2222, U2223, U2224, U2225, U2226, U2227, U2228, U2229, U222A, U222B, U222C, U222D, U222E, U222F, U2230, U2231, U2232, U2233, U2234, U2235, U2236, U2237, and/or U2C11 set as current or history.

Note: If all Loss of Communication DTCs are set U2220-U2237 as current or history (depending on vehicle application), do not continue with the procedure. Please start a TAC case and reference this P.I.

2. Perform the Battery Negative Cable Disconnection and Connection procedure outlined in Service Information.

Warning: Always ensure the Battery Maintenance Mode is inactive before disconnecting the 12-volt battery. This mode can be active with the ignition off, regardless of whether the vehicle charging cord is plugged in or not. When this mode is active, the on-board high voltage battery charger will energize the 12-volt battery cables and charge the 12-volt battery. Disconnecting the battery cables while this mode is active may result in an electrical shock or a burn from hot battery cable leads.

3. Wait 15 mins, then reconnect the 12v following the Battery Negative Cable Disconnection and Connection procedure outlined in Service Information.
4. Place the vehicle in Propulsion "Ready" mode, then turn the vehicle "OFF" and remove the keyless transmitter from the vehicle and place the transmitter in a safe location approximately 10 ft away. Wait 15 mins. Perform this two times.
5. Place the vehicle in Service mode and use GDS2 and clear all DTCs.

If any of the following DTCs: U2220, U2221, U2222, U2223, U2224, U2225, U2226, U2227, U2228, U2229, U222A, U222B, U222C, U222D, U222E, U222F U2230, U2231, U2232, U2233, U2234, U2235, U2236, U2237, and/or U2C11 return, start a TAC case, and reference this P.I.

6. After completing steps 1-5 above, program the K16 BECM (Battery Energy Control Module) as outlined in Service Information.
7. After programming the BECM, perform the Battery Negative Cable Disconnection and Connection procedure outlined in Service Information / steps 2 & 3 above 1 time.
8. Verify no DTCs are set.

If any of the following DTCs: U2220, U2221, U2222, U2223, U2224, U2225, U2226, U2227, U2228, U2229, U222A, U222B, U222C, U222D, U222E, U222F U2230, U2231, U2232, U2233, U2234, U2235, U2236, U2C11 and/or U2237 return, start a TAC case, and reference this P.I.

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
5080388	Hybrid/Electric Vehicle Battery Pack Communication Module manual reset	1.5 Hr.
Add Time (as Required)	K16 Battery Energy Control Module Program	0.4 Hr.
*This is a unique Labor Operation for Bulletin use only		

Version History

Version	7
Modified	08/03/2023 - Created on. 08/09/2023 - Updated to include U2C11 09/01/2023 - Updated to add more information for the LYRIQ 09/05/2023 - Update more programming numbers for 2024 LYRIQ 10/26/2023 - Update information for BrightDrop and HUMMER EV 10/30/2023 - Updated correction. 12/01/2023 - Updated correction.

