## **Battery Safety Procedures (Electric Vehicles)**

Section 1: High-Voltage (HV) System Overview
The HV battery operates at 350–400 V nominal. Orange cables indicate HV lines.
Always disconnect the service disconnect before maintenance.

Section 2: Personal Protective Equipment (PPE)
Use Class 0 insulated gloves, face shield, and CAT III multimeter.
Verify zero voltage before touching any HV component.

Section 3: 12V Battery Isolation Procedure

- 1) Switch ignition OFF and remove the key.
- 2) Wait 5 minutes for HV contactors to open.
- 3) Disconnect the negative terminal of the 12V battery.
- 4) Remove the HV service disconnect plug.

Section 4: Reconnection Reconnect HV service plug first, then the 12V negative terminal. Perform DTC scan and clear if necessary.