ZM TRUCKS

FIRST RESPONDER GUIDE

Model

ZM8 BEV

ZO Motors North America
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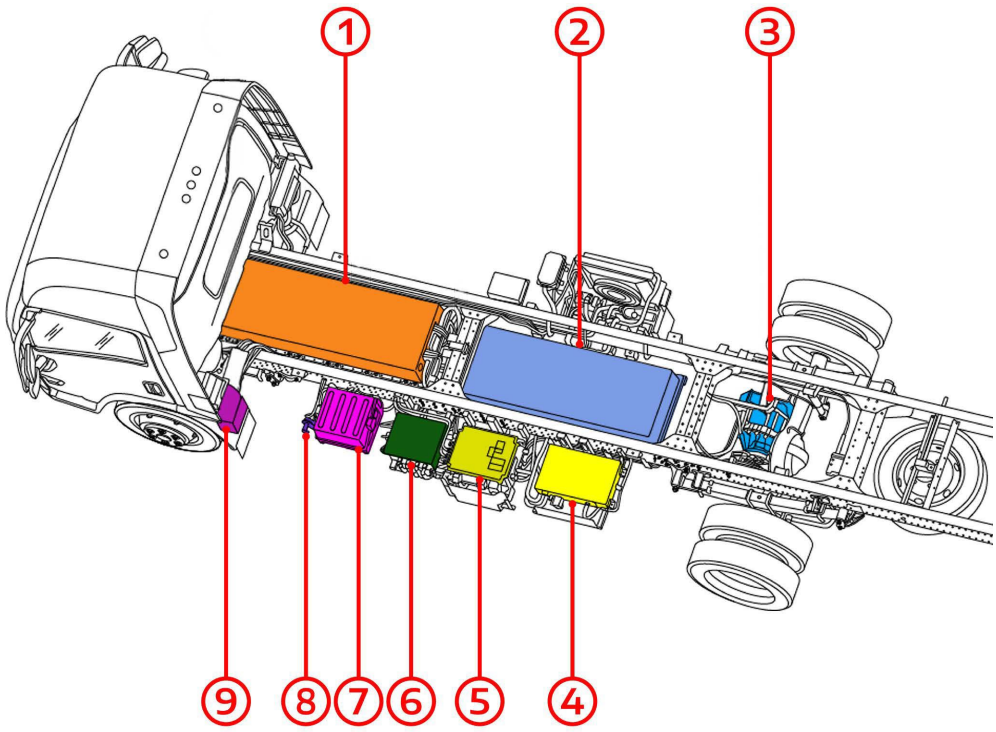
Component Location



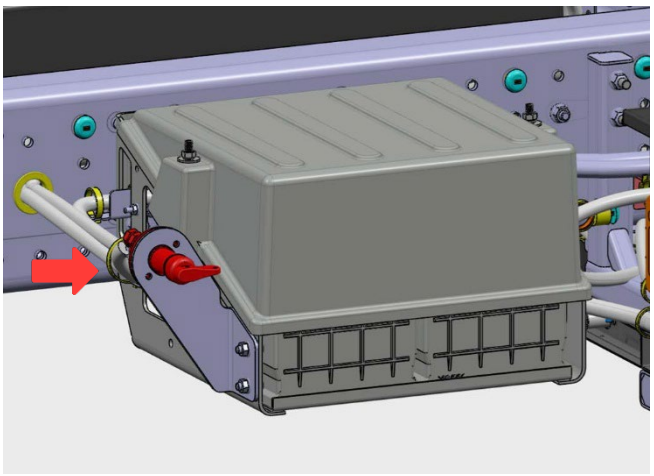
Item	Component Name
1	Battery Front (high voltage)
2	Battery Rear (high voltage)
3	Traction Motor (high voltage)
4	Bi-Directional Onboard Charger (OBCM) (high voltage)
5	Power Distribution Module (PDM) (high voltage)

Item	Component Name
6	Battery Management System (BMS) includes the Manual Service Disconnect (MSD) (high voltage)
7	Two (2) 12v Batteries (low voltage)
8	Battery Cut Off Switch (low voltage)
9	Charge Port (high voltage)

Power

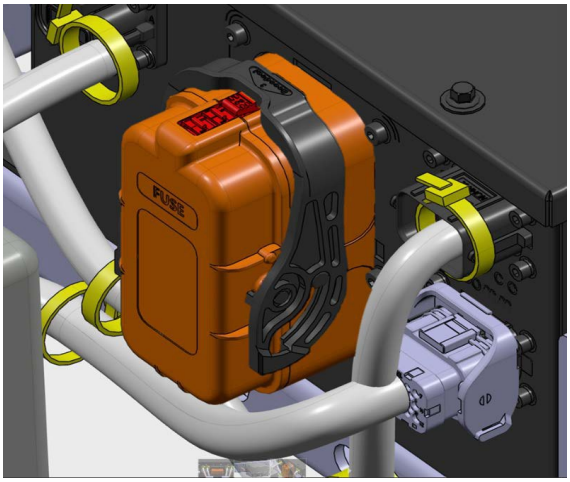
This vehicle is powered by two (2) 600 volt, Lithium Iron Phosphate (LFP) batteries with a total maximum capacity of 132 kWh. All high-voltage cables and connectors are orange colored.

High-Voltage Deactivation Process

1. Disconnect the Low Voltage system through cut off switch (marked red on below picture). Shown as position #8 on the **overview picture**.
   - Turn the switch counterclockwise to the off position.
2. 

Disconnect the Manual Service Disconnect (MSD) on Battery Management System module (BMS). Shown as position #6 on the **overview picture**.

- Push the red safety catch on top of the MSD forward.
- Unlock the black buckle by pushing the black handle 90 degree forward.
- This will push the MSD out of its housing.
- Remove the MSD.



After these two (2) steps are done, there is no 'live' High Voltage circuit remaining in the chassis components. The batteries and cables from the BMS #6 to the Batteries #1 and #2 are still 'live'.

3. To decommission the individual High Voltage batteries, disconnect the BMS from each individual battery.
   - Pull up the red safety catch
   - Unlock the black buckle by pushing the black handle 90 degree forward.
   - This will push the MSD out of its housing.
   - Remove the MSD.