

FORMULA SAE®

ELECTRIC 2024 SUPPLEMENT

The Formula SAE Electric 2024 event will have additional requirements as shown in this document.

Per Formula SAE Rules 2024 GR.4.2.2, this document is considered part of, and has the same validity as the Formula SAE Rules.

EVS.1 ACCUMULATOR

EVS.1.1 Accumulator Overnight

- a. Each night, the accumulator must be placed in the provided Accumulator Storage Tote before the team leaves the event site
- b. The accumulator and accumulator container are the only vehicle components allowed in the Accumulator Storage Tote

Reminder: EV.4.10.2 and EV.11.4.2 apply when moving accumulators and accumulator containers

EVS.1.2 Accumulator Storage Tote

- a. Each team is assigned a tote for their accumulator

There will be two different sizes of totes

- b. The Accumulator Storage Tote will be located in a designated area onsite away from the team paddocks
- c. Each team will be issued a pallet cover and a pallet band (large rubber band) for additional water protection
- d. Teams must not modify their tote

EVS.2 CHARGING

EVS.2.1 Charging Impound

Team accumulators may be impounded at the conclusion of any amount of charging

EVS.2.2 Temperature Measurement

Each team must monitor and record the cell temperatures during charging and the impound period

EVS.3 OK TO ENERGIZE

EVS.3.1 Definition of OK to Energize

Vehicle may be Tractive System Active in the Paddock D.2.3 or in the Dynamic Area D.1.2.1

EVS.3.2 Operations

- a. Vehicles which complete a designated part of Technical Inspection get a separate OK to Energize Sticker IN.13.2.1
- b. The OK to Energize sticker must be put in the required location
- c. The OK to Energize sticker identifies the “Technical Inspector gives permission” requirement of D.2.3.a

EVS.4 RED CAR CONDITION

EVS.4.1 Definition of Red Car

A vehicle will be a Red Car if any of the following:

- a. Actual or possible damage to the vehicle affecting the Tractive System
- b. Vehicle fault indication (AMS EV.7.3.5, IMD EV.7.6.5, or similar)
- c. Other conditions, at the discretion of the officials

Refer to the Red Car Procedure for additional information

EVS.4.2 Actions for a Red Car

- a. Isolate the vehicle
- b. No contact with the vehicle unless the two:
 - Trained personnel with proper Personal Protective Equipment
 - Officials give permission
- c. Call out designated Red Car responders
- d. Perform Red Car Procedure

Refer to the Red Car Procedure for additional information

EVS.4.3 Red Car Procedure

The Red Car Procedure is on the FSAE Online website

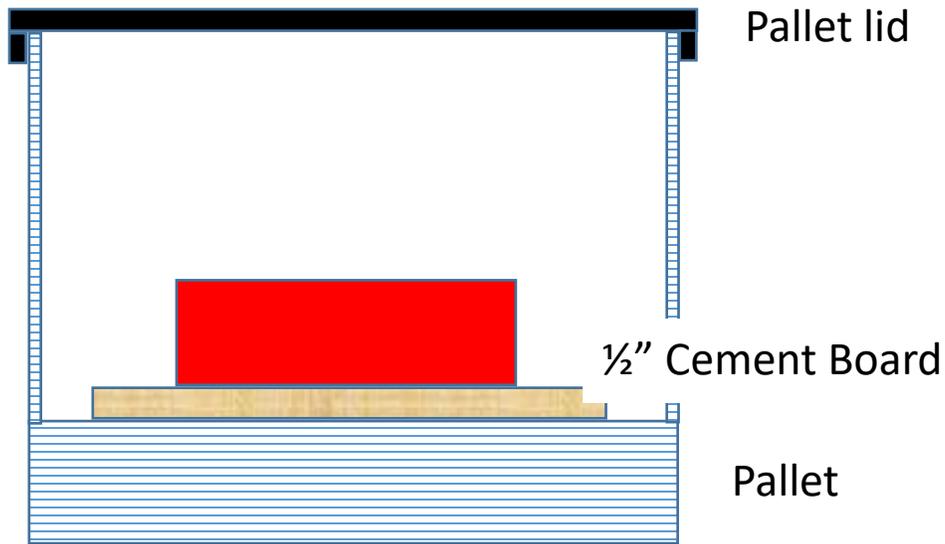
EVS.5 STATIC EVENTS

EVS.5.1 Accumulators

The Accumulator must not be at any Static Event (installed in the vehicle or not installed) before the Accumulator Inspection IN.4.2 is fully completed.

This requirement is an exception to S.4.6.2. See IN.11.3.2

Accumulator Storage Example



Representative Tote without Matching Lid



Pallet with Pallet Cover

