

ELECTRIC VEHICLE KIT MODIFICATION FORM

Required for Purchased Kits or Open-Source Kits

IF USING A KIT, THIS FORM IS REQUIRED AND MUST BE IMPOUNDED

Complete this form when a purchased or open-source kit is used. The 2027 Electric Vehicle rules require teams to make two functional modifications (3.j.) during the build process, with at least two changes made to the Vehicle from the Kit Modification List below. Use this form to document the team's two modifications. A Bottle Pusher from a kit source may not be used; the team must design and build its own Bottle Pusher, which is not included as one of the kit modifications. Making the same modification more than once will only count as one modification (e.g. changing four wheels only counts as one modification).

Teams failing to complete this form, impound this form or the required functional modifications will receive the non-modification penalty (5.i.iii.).

School / Team: _____

Team Number: _____

KIT INFORMATION

Kit / Open-Source Kit Name: _____

KIT MODIFICATION LIST

- Change the alignment method
- Replace the primary electronic controller/microprocessor with a different type
- Replace the electric motor with a different type of motor
- Change the rotational energy transfer method from motor to wheels
- Change the drive wheel from front wheel(s) to back wheel(s) or vice versa.
- Change wheel diameter
- Change front-to-rear axle spacing
- Change wheel-to-wheel spacing width (side to side)
- Change the mass of the vehicle

TEAM-DOCUMENTED KIT MODIFICATIONS

Teams must document the two functional modifications they made below.

MODIFICATION #1

Modification made: _____

Original kit configuration/specification: _____

Team's modified configuration/specification: _____

MODIFICATION #2

Modification made: _____

Original kit configuration/specification: _____

Team's modified configuration/specification: _____