Baja-e Class

Open Class for Electric Powered Vehicles

Competition Number Range E400 - E424

DEFINITION

Open to all four-wheel vehicles with wheels 100% powered by electricity

Horsepower is unlimited. Vehicles must be powered solely by electrical energy.

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations.

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein.

NOTE: *The CR abbreviations listed under this class (i.e.CR1 HELMETS) refer to cross reference listings in the Competition Regulation section on this website. These cross-referenced listings are part of the class rules. Where a conflict occurs between the cross- referenced listing and a rule contained under this class, the rule contained under this class has precedence.*

SAFETY EQUIPMENT

CR 1 HELMETS AND HEAD AND NECK RESTRAINTS

CR 2 PROTECTIVE CLOTHING

CR 3 EYE PROTECTION and DENTURES

CR 4 FIRST AID KIT

CR 5 EMERGENCY SIGNALING DEVICES

CR 6 HORNS

CR 7 REFLECTORS

CR 8 FIRE SUPPRESSION EQUIPMENT - In addition to standard CR 8 requirements, vehicle must be equipped with minimum of one (1) Class D 30 lb. fire extinguisher suitable for extinguishing possible lithium-Ion battery fires. Batteries must be firmly secured in vehicle, but easily accessible by all occupants in an emergency.

CR 9 SURVIVAL SUPPLIES

SUSPENSION COMPONENTS

CR 10 SHOCK ABSORBERS and BUMP STOPS

CR 11 SECONDARY SUSPENSION

CR 12 WHEELS and TIRES

CR 13 FASTENERS

STEERING AND BRAKE COMPONENTS

CR 14 STEERING

CR 15 BRAKES

ELECTRICAL SYSTEM

CR 16 IGNITION

CR 17 BATTERIES - See CR 21 below.

CR 18 LIGHTS - Vehicles in this class are required to have a rear facing blue colored light in addition to the amber colored light. All other light requirements are as outlined in CR 18.

CR 19 STARTERS

FUEL SYSTEM

CR 20 FUEL - Onboard batteries may be of any type.

CR 21 FUEL STORAGE / BATTERIES

Battery compartment must be securely attached to vehicle frame or chassis with metal straps. Any and all compartments must be properly insulated and 100% protected against damage or spillage.

CR 22 FUEL FILLERS LINES, VENTS, and CAPS - Not applicable

ENGINE, TRANSMISSION AND DRIVELINES

CR 23 ENGINE and ENGINE DISPLACEMENT

Must be powered by total electric system. Vehicles powered by electric motors are not restricted to power output.

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CR 24 ENGINE REPLACEMENT

CR 25 TRANSMISSION - **No restrictions** - Can be two or four-wheel drive. All-wheel drive is also allowed in this class.

DIFERENTIALS

CR 26 THROTTLES - All foot-operated throttles, mechanical or electronic, must be designed to prevent any possibility of throttle being capable of over extending into locked open position.

CR 27 EXHAUST

CR 28 DRIVE SHAFTS

CR 29 FLYWHEEL SHIELDS

CR 30 FLUID COOLERS

CR 31 AUXILIARY EQUIPMENT

CR 32 SUPERCHARGERS and TURBOCHARGERS

VEHICLE SAFETY EQUIPMENT

CR 33 ROLL CAGES - Cage design and materials must be based on vehicle weight. Refer to CR 33 in Competition Regulations for tubing size specifications and construction requirements.

CR 34 SAFETY HARNESS

CR 35 SAFETY NETS

CR 36 SEATING

GENERAL VEHICLE COMPONENTS

CR 37 DRIVERS COMPARTMENT - Must include a master cut-off switch (general circuit breaker) located within easy reach of both occupants. Switch must be clearly labeled, and totally kill all power in vehicle.

CR 38 DOORS AND LATCHES

CR 39 FIREWALLS

CR 40 BALLAST

CR 41 WEIGHT - No minimum vehicle weight requirement

CR 42 FLOORBOARDS

CR 43 BUMPERS AND HAZARDOUS PROTRUSIONS

CR 44 MIRRORS

CR 45 SKID PLATES

CR 46 STORAGE

CR 47 FENDERS

CR 48 CHASSIS and BODY - Open class - Any four-wheel vehicle and unlimited design

CR 49 HOSES

CR 50 IDENTIFICATION MARKINGS - In addition to CR 50 specifications, a capital letter “E” must appear in front of assigned vehicle number. Also must prominently display a 3.5” x 9” SCORE sticker on each side of vehicle.

Electric Vehicles must carry signage on exterior of vehicle warning of possible electrical shock and/or danger of battery leakage and explosion.

R 51 ADVERTISING ON VEHICLES

CR 52 RADIO EQUIPMENT

CR 53 WORKMANSHIP

CR 54 TRACKING DEVICE

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