

VEHICLE INSPECTION FORM

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Name (car owner or team leader)

Car Number

State

Class:

Division:

Standard

High School

Solar

Open

Advanced Battery

All classes must meet Electrathon America Rules

Entry Fees Paid

Liability Form Signed

Electrathon America
Competitor Membership

School or Team Name (if applicable)

Address (This is where awards and race information will be sent)

City

State

ZIP

Phone Number

E-Mail Address

VEHICLE INSPECTION CHECK LIST

- Electrathon America vehicle number clearly visible (6+“ high and contrasting color)
- Visual inspection of structural integrity appears good
- Overall car no more than 48” (4') wide at widest point and 12 feet long or less
- Roll bar seems able to support driver's weight--bracing at highest point
- Roll bar protects driver through full range of motion side to side and forward
- If roll bar is not one piece, it is triangulated at all joints
- Driver stays under plane (roll bar to front support) when seat belted in and leans forward
- Tires are pneumatic and tread is in acceptable condition
- Ground clearance will be tested by ability to roll over a 1 1/2" board without touching.
- Bottom pan so that driver cannot make contact with the track and protects driver from ground
- Bodywork or structural protection from head on and side impact & encloses all of the driver's body parts including legs/feet so they can not escape the car's protection.
- Sides high enough that if other cars go over it in a wreck the driver is not hurt
- No exposed sharp edges or components. Nose cone is not overly pointed or sharp, and has at least a 3" radius (6" diameter) in at least one direction (checked with go/no go device).
- Chain and motor area has guard to protect the driver and others
- Good visibility and field of vision- checked with clipboard held in several locations
- Rear view mirror(s) at least 8 square inches-can see clearly on both sides of the vehicle.
- Axle diameter at least 12 mm / 1/2" unless supported on both ends
- Cotter pins or safety wire used to secure cantilevered wheel axle nutsnot just lock or jam nuts
- 5 point seat belt system is as per handbook, securely attached at least 3" below 'body parts', can lift the weight of the vehicle. Holds the driver secure and 'immobile.'
- Brake inspection- Car will not roll when pushed from behind (skids or stationary) and has two wheels on the same axle with brakes.
- Steering inspection- Can make 25 foot turning radius and appears safe and stable at high speeds
- Throttle automatically shuts off when released
- Circuit breaker or fuse between batteries and motor of correct size for wiring gauge and length
- Inside kill Switch driver accessible and the outside kill switch has a 4" red triangle & easy to use
- Wiring appears safe (terminals tight, insulation good, frame not grounded, wires not rubbing, etc.)
- Batteries securely mounted to structural part of car so they cannot come loose in an accident
- If lead acid batteries-- weigh less than 73 pounds and are non-leakable standard acid batteries
- If Advanced Batteries, type is approved in handbook and appropriate weight for type

Battery manufacture_____ Model (or serial) number_____

Battery Type _____ Battery Quantity _____ System Voltage _____

INITIAL INSPECTOR'S COMMENTS OR RECOMMENDATIONS: _____

INSPECTION
COMPLETED

(Initialed by Inspector)