VEHICLE INSPECTION FORM

Car Number | State

Name (car owner or team leader)

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

Class:
- ☐ Standard
- ☐ Solar
- ☐ Advanced Battery

All classes must meet Electrathon America Rules

Division:
- ☐ High School
- ☐ Open

- ☐ Entry Fees Paid
- ☐ Liability Form Signed
- ☐ Electrathon America Competitor Membership

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 that 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 1½" 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 _____

INSPECTION COMPLETED (Initialed by Inspector)

INITIAL INSPECTOR'S COMMENTS OR RECOMMENDATIONS:_____