Race Day Inspection Checklist

	DRIVER INSPECTION	ANSA
	Helmet: Motorcycle (DOT approved)	4. 5
Γ	Eye Protection (Full face shield okay)	
	Gloves (Optional for enclosed vehicles)	
	Long Pants & shirt	
	Shoes	ELECTRORALLY
	Signed liability release	LECTRONALLI
	Driver's license	
	Driver's weight + ballast =180# Min.	
	BASIC VEHICLE INSPECTION	
	Vehicle dimensions (Max 12' L x 4' W)	
	Vehicle number 6" Min. (Both Sides)	
	Ground clearance >tire sidewall height	
	Pneumatic Tire (Inflatable)	
	Tire wear and & condition within limits	ELECTRICAL INSPECTION
	Good visibility and field of vision	Battery type approved (See back sheet)
	Rear view mirrors present & effective	Battery weight does not exceed 67#
	Good structural integrity	Battery voltage =
	Fasteners & fittings, secure &adequate	Battery enclosed & mounted securely
	Design gives side protection for driver	Battery Clear and tight
	Body stops driver contact w/another car	Battery connector clear of driver
	No exposed sharp edges / components	Battery caps secure

	5 pt. Seat belt harness system	Cable gauge (#4 Min=12V,#6Min=24V)
	Roll Bar height Check \ge 2" above helmet	Wiring neat, secure, and well insulated
	Roll bar braced at bar top and to frame	System is ungrounded
	Roll bar padding (Min. ½" thick)	Circuit breaker or fuse inside vehicle
	Canopy securely attached (if applicable)	Proper rating for above item
	Min. Axle dia. 3/8" (supported both ends)	Outside Kill switch
Γ	Cantilevered Axle dia. $\geq \frac{1}{2}$ "	Proper rating for above item
	Cantilevered Axle nuts secured with wire or pins	4" Red triangle around outside kill switch
	Steering /suspension=strong, adequate	
	Chain Guard (if needed)	
	Motor, controller & drive mounts secure	
Γ	Automatic throttle shutoff	
	VISION TEST (driver must be able to discern to number of fingers behind vehicle at a distance of 10 feet)	SCHOOL NAME
	SAFETY BELT TEST (belts must be able to support vehicles weight)	VEHICLE NUMBER
	EXIT TEST (driver must exit vehicle with canopy in place in 20 seconds or less)	DRIVER'S NAME
	BRAKE TEST (Two wheels on same axle must lock with one control)	Inspector's signature

NOTE: A team may race the same car twice (in a different class) as long as the car is re-inspected before the second race.

Approved Battery Types

Vendor	Model
Optima	SC25A
	SC35A
	SC75/35
Odyssey Genesis	G42 (VP, VPX, EP, EPX)
MK40	
Exide	Orbital Model 75/35
Champion	Vortex 75/35

All other lead acid battery systems must be weighed no more than 67 pounds.

Wire size (AWG)	Max Fuse or Breaker Size
20	5.5 Amps
18	9 Amps
16	12 Amps
14	15 Amps
12	20 Amps
10	30 Amps
8	80 Amps
6	105 Amps
4	140 Amps
2	200 Amps
1	250 Amps