

NECA High School Competition  
Inspection Check Sheet 2019

School Name:

Race Date:    /    /

Stock Open

If Stock, price list received? Yes

No Car Number:

Drivers Names:

Inspector #1:

(Driver/Car Structure and Specs)

**Driver**

- Helmet: 1985 or more recent Snell specifications (Rule 4, Sec. 4, Art. 1)
- The driver has goggles, a full face mask, face shield, or safety glasses.
- Racing garment (long pants, long sleeve shirt), upper and lower must overlap.
- Signed liability release
- Shoes
- Driver's License Number:

(if available)

- Driver weight with ballast (160 lbs. minimum):

~ Ballast may not be performance enhancing  
~ Communication device/data loggers do not count as ballast.  
~ Ballast must be removable from car.

- Roll bar must be no less than 2" above helmet (no slouching!!!)
- Driver must exit the car unaided.

**Vehicle**

- 3 or 4 Wheels
- Turning circle less than 15.5 meters
- Axles and spindles 1/2" (12mm) diameter or greater if unsupported at both ends
- Body Shell
- No Sharp/Exposed Edges (doesn't say exposed, but seems common sense Rule 2, Sec. 2, Art. 2)
- Vehicle Numbers are 15cm tall (6") on both sides of the car.
- Minimum track width of 90 cm.
- Maximum vehicle width of 1.5 m
- Maximum vehicle length of 4.0 m
- Minimum ground clearance of 1.5"
- Vehicle weighs minimum 100 lbs. without driver, ballast, radio, or batteries.
- Tires: Minimum 30 cm diameter, Maximum 70 cm diameter. Must be inflatable.
- Inflation pressure not to exceed recommended by more than 10% cold with no DOT label. With DOT label, not by more than 15%.

- Safety wire or cotter pins used on wheel nuts. – Axle ends must be tapped.
- Two wheels must be braked.
- Inspect crucial fasteners/fittings for security.
- Inspect overall structural integrity and stability of car.
- Brake Test:

Fail      Pass

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Inspector #2:

(Electrical Equipment/Inside Car)

- Two isolation switches or one switch with two actuators, one inside and one outside.
  - ~ The switches or actuators (internal and external) must be marked so that anyone can turn them to the OFF position.
- Wiring system well insulated
- Fuse or circuit breaker between battery and motor.
- Wiring must be securely attached to the body or frame.
  - ~ It doesn't specify to negative terminal.
- Electrical connections taped or covered.
- Batteries securely mounted, boxes mounted to frame.
- Battery Type: (at ambient temperature)
- Werker WKA12-55P/FR
- Werker WKDC12-55C/FR-FA (or Duracell DURDC12-55C/FR-F 12volt 55Ah AGM)
- Optima 35 (Red Top)
- Optima D35 (Yellow Top)
- Optima SC25A
- Last years batteries are legal for one more year as long as they are not heated.
- 5 point harness, 3" straps, 2" crotch strap
- Roll Bar: must be capable of lifting by belts alone.
- Roll bar braced forward or rearward to the frame.
- All gears, chains, drive belts, sprockets are protected with guards.
- Driver's mirrors on both sides and provide a clear view rearward.
- Driver has good visibility and field vision.
- Driver seat attaches to sub-structure connecting to the roll cage or frame.
- All gears/belts are guarded.

**Inspector Comments:**