

NECA High School
Competition Inspection
Check Sheet 2020

School Name: Race Date: / /

Stock Open If Stock, price list received? YesNo 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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Inspection Check Sheet 2020

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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: