

## Willamette Speedway Hornets Rules - 2017

**If it doesn't say you can then can't!**

**Tech Officials Have Final Say in All Decisions!**

### Safety Rules

#### 1) Safety Equipment

**A) HELMETS, HEAD & NECK RESTRAINTS:** Rules apply at all times car is on track. Snell-rated **SA2005**, **SA2010** or **SA2015** Helmet required. (**M rated helmets are not permitted**) **HIGHLY RECOMMENDED:** SFI approved helmet skirt, neck and head restraint system.

**B) FIRE SUITS:** A flame/fire resistant suit designed for auto racing will be REQUIRED at all times car is on the track. A 1 or 2-piece flame/fire resistant suit will be accepted. **HIGHLY RECOMMENDED:** It is recommended that the driver's suit be the best quality fire protection available.

**C) Racing seats are highly recommended but not required.**

**D) Five or six-point racing seat belts are required.**

**E) Fire retardant gloves.**

**F) Full leather shoes or full leather boots required.**

**G) Driver's side window net with quick release required.**

**H) A 2 ½ pound fire extinguisher mounted within the driver's reach is required.**

**I) It is the responsibility of the driver to prepare their car free of defects and in safe racing condition**

Any stock 3 or 4-cylinder car or pickup with a wheelbase of 106" or less.

### Engines

1. Must be a 3 or 4-cylinder gas engine
2. Stock carburetor or stock fuel injection required.
3. Engine must be naturally aspirated
4. No rotary engines, turbo, or mid engine cars.
5. No variable valve timing engines, no Vtec, Ztec, etc
6. Engines must remain stock, No aftermarket parts, Engine must match vehicle make and model.
7. Cannot exceed factory horsepower rating of 160hp
8. Engine must remain in stock location

### Drive Train/Suspension/Tires/Wheels

1. Must use stock transmission and rear/front end components
2. No posi-trac, welded, or spooled rear/front ends
3. No four-wheel drive

4. No frame alterations allowed, stock suspension components only
5. No aftermarket race or rebuild able shocks
6. Must maintain a 4" minimum ride height. All suspension parts must use stock factory mounting points.
7. No spring alterations or different spring rates
8. A minimum of a 60 series passenger car tire required
9. No low-profile, racing, all terrain, or mud terrain tires, No mud or snow tires
10. No bead lock wheels allowed
11. Wheel spacers up to a maximum of 1" of wheel spacing per wheel allowed
12. All 4 tire/wheel combos must be the same size, no stagger.

### **Weight**

1. No ballast allowed. Any item deemed as ballast will be required to be replaced
2. A weight rule may be implemented at some point at tech official discretion

### **Car Safety**

1. A single hoop roll bar made 1 ½" .095 or larger tubing. Roll bar must be behind driver with a minimum of two kicker bars required. Roll cage must be welded to frame or bolted securely to sub frame. One horizontal bar at shoulder height or X-brace in roll bar hoop. Roll bar padding required around driver
2. A *six point roll cage 1 ½" .095 or larger tubing and safety door bars are mandatory in 2016*
3. Stock style bumpers required no re-enforcement of bumpers or bumper supports.
4. Third brake light must work
5. Windshield has to be lexan, or 1"x 1" or smaller rock guard screen required
6. All other glass, plastic/chrome trim, lights, mirrors and under the hood insulation must be removed. All glass inside of the door must be removed.
7. The driver's door must be plated with a minimum of one 3"x1/4" or larger flat bar strap half way up the door starting from in front of door to extend past the rear of door. Multiple straps or full door plate is recommended.
8. Hoods must have 2 hood pins in front and use stock hinges.
9. All cars must have a lift chain on the front in case of accident that results in the car needing to be removed.

### **Fuel Tank.**

1. If fuel tank is mounted in front of rear axle it may be used.
2. If fuel tank is mounted behind rear axle, it must be removed and replaced with a 6 gal plastic boat gas tank mounted inside of a foam filled 18-gauge steel box in trunk as far forward as possible.

3. Fuel tank or fuel cells are required to have two  $\frac{3}{4}$ " X  $\frac{1}{4}$ " or larger flat bar mounting straps going from front to back, over and under fuel tanks, and one  $\frac{3}{4}$ " X  $\frac{1}{4}$ " or larger flat bar mounting strap going around fuel tank side to side.
4. A aftermarket racing fuel cell is highly recommended.
5. The battery must be removed from stock location and secured in a sealed battery box mounted in cockpit behind driver.
6. Exhaust must be leak free and extend behind the driver with muffler that meets 95db @ 100'
7. Car numbers must be at least 18" tall and in contrasting color. Numbers must be on driver's door, roof, and passenger door.
8. No two-way communication allowed

**ALL CARS MUST BE LESS THAN 95DBA AT 100'**

**Raceceivers are MANDATORY!**