



## 2016 Jr. Mini Stock Rules

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### GENERAL RULES:

1. Age: 16 and under. You can start the season if you are 16 and if you turn 17 during the season you will be allowed to finish.
2. This class is a learning class for young racers. Mistakes will be made. KSP strives for Sportsmanship in this class and anything less will not be tolerated. Violence will not be tolerated by the driver, their pit crews or parents.

### BODY:

1. Two or four door sedan body with steel top. Station wagons are okay. Production wheelbase limited to MAXIMUM 102". **NO** modification to wheelbase allowed. **NO** front wheel drive cars allowed.
2. Cars must have complete frame. Cutting allowed over rear axle to mount rear shocks but must be reinforced.
3. *Strut towers must be OEM, box tubing allowed from firewall forwards BUT must have strut and shock towers in stock location.*
4. Cars must have complete firewall separating driver from engine and also separating trunk area from driver's compartment.
5. All glass, chrome, and trim must be removed.
6. All flammable material must be removed.
7. All cars must have a minimum of two (2) hood pins or bolts to keep hood closed.
8. Back of hoods must be completely sealed off and must stay that way while car is in motion.
9. **NO** angle or channel iron outside of car.
10. Plastic nosepiece and tailpiece are allowed. Sheet metal or plastic skirting is okay.
11. **NO** Aluminum bodies. **NO** Mini Mods or Dwarf car type bodies. Must be OEM production body.
12. Removable inspection panel required on drivers dash area.
13. Minimum weight after race with driver is 2300 lbs.
14. Should be painted and lettered in good taste.
15. Factory rear frame horns must exist. *Front frame horns must be stock, or box tubing.* Bracing allowed.

### ROLL CAGE:

1. All cars must have a minimum six (6) point roll cage. All cages should be at least 1-1/4" outside diameter x .095 wall steel tubing. **NO** welded corners. Roll cage around driver must have padding.
2. Drivers head must be at least 2" below top of cage.
3. All cars must have at least three (3) door bars on drivers side, two (2) bars on grandstand (passenger side) side. Door bars must be a minimum 1-1/4" x .095 wall steel tubing. Door bars must be sufficiently gusseted and tied to the car at the bottom.
4. Any bracing inside of car is legal except under the fenders.
5. Seat must be mounted to the roll cage and be on the left side of the car.
6. **NO** tube frame cars.
7. Minimum 3 front window bars in front of driver.

### BUMPERS:

1. Front bumpers must be centered on frame rails and in its original location.
2. Front bumpers may be 1-1/2" o.d., no more than 8" overall in height from top to bottom.
3. Front bumpers must not extend more than 2" in front of any body part and be no wider than center of tire. Ends must bend back into the frame and be welded. **NO** blunt or sharp edges and **NO** channel iron.
4. May have two (2) radiator protection bars in front of radiator and behind bumper within the confines of body.
5. Rear bumper may wrap around rear quarter panel and must tie into frame behind rear tire.
6. Rear bumper may be 1-1/2" o.d., pipe or tubing no taller than 12".
7. Stock bumpers are allowed.

### NERF BARS:

1. Nerf bars must be flush with body. **NO** blunt or sharp edges.
2. Nerf bars must be 1" x 2" rectangle or 1" square only.
3. Nerf bars are only allowed between wheels.

### ENGINE:

1. In line four cylinder (carburetor type only) with a maximum displacement of 2399cc. Only exclusion is Chevy. Call for info.
2. Engine must be in stock location.
3. **NO** rotary engines or turbos.
4. **NO** dual overhead cams.
5. Engine must use stock block, and head. Steel valves only.

6. Must use stock intake. May be machined to receive carburetor only.
7. Mill of head to increase compression allowed. **NO** porting, polishing or port matching allowed. **NO GRINDING INSIDE OF PORTS.** Straight boring allowed for large valves. Cannot go past short side radius. Bore cannot be polished.
8. Carburetor must be un-altered Holley #4412 or 5200 series with a stock venture bore, stock throttle body, and stock booster location. May run stock OEM carburetor not to exceed 500cfm. **NO** Weber or Mikuni carburetors.
9. Battery type ignition only. **NO** magnetos, dual points, MSD boxes.
10. Any solid surface cam, valve springs, rockers, and lifters are allowed. **NO ROLLER CAM / ROCKERS.** Adjustable Cam gears okay.
11. Stock exhaust or racing headers are allowed. Mufflers are required.
12. Exhaust should exit under car.
13. Engine Blocks and Heads must have factory numbers.
14. **NO** Stokers. 5 - 7 allowed.
15. Must have stock, OEM UNALTERED crankshaft. (Example; 2.3 Ford - 2.3 Crank, unaltered)
16. 1" Sight plug in the side of the oil pan with a clear line of sight to the crankshaft and rods.
17. Starter - Must be able to start under own power. Push starts go to the rear of field.
18. If electric fuel pump is used, an automatic oil pressure cut off switch is required.

#### **DRIVE TRAIN:**

1. Standard or automatic transmissions are allowed. Automatic transmissions must use OEM torque converter.
2. Transmissions must have at least two (2) forward gears and one (1) reverse.
3. Rear end must be locked.
4. Drive shafts may be altered or welded and must be painted white.
5. **NO** dog clutches or multi-disc clutches. **NO** couplers. **NO** Mini clutch. Clutch **MUST** match make of car.
6. **NO** aluminum flywheels allowed, **MUST USE STEEL FLYWHEEL.**

#### **SUSPENSION:**

1. Front and rear suspension must be stock type, but may re-enforced. **NO** welding springs solid. **NO** wooden blocks in springs. **NO** type of adjustable front parts. *Option: Adjustable Casper/Camber plate.*
2. One shock per wheel.
3. **NO** weight jacks allowed. If weight jacks exist they must be disabled.
4. All weights must be painted white with the car number on them. All weights must be mounted with at least two (2) ½ inch bolts. Weights will not be allowed in the drivers compartment or outside of the body.
5. **NO** adjustable shackles on rear.

#### **TIRES AND WHEELS:**

1. 8" max steel wheels only. Rim centers must be completely welded and may be reinforced.
2. Racing studs and lug nuts are recommended.
3. DOT Street tires **ONLY - NO RACING TIRES.**
4. **NO** bead locks. **NO** screwing of tires to wheels.
5. **NO** grooving of tires.
6. Right rear mud plug allowed.
7. **NO** bleeder valves allowed.

#### **RADIATOR:**

1. Only one (1) radiator is allowed and must be centered in front of car.

#### **BATTERY:**

1. One (1) 12 volt automotive battery allowed per car.
2. The battery must be securely mounted to frame or cage.

#### **FUEL AND FUEL TANK:**

1. Racing gas allowed. **NO** additives.
2. Racing fuel cell is required.
3. Fuel cell must be mounted to frame, or bolted to cell frame.
4. Fuel cell must be vented and have Flapper Valve, if no fire suppression system on board.
5. Fuel cell should be 12" from either side of car and 12" from the rear of the car body.
6. Floor in trunk must have holes drilled in it to allow spilled fuel to drain.

#### **BRAKES:**

1. All cars must have a minimum of three (3) working brakes. Four wheel brakes are recommended.
2. Adjustable brake control cannot be in drivers reach.

#### **SAFETY Equipment:**

1. Snell-rated SA95, SA2000, or SA2005 helmet required. No motor cycle helmets allowed. Roll bar padding required in driver compartment (Fire retardant recommended). SF1-approved full fire suit required. Fire retardant neck brace, gloves and shoes required. Recommended: Fire retardant head sock and underwear, head and neck restraints. Driver-side window net required, minimum 16" x 20" ribbon or mesh style, and must be mounted so latch is at top front of window. Minimum three-inch wide five point safety belt assembly required (Y-type shoulder harness not allowed), must be mounted securely to roll cage, and recommended to be no more than one year old. Kill switch required within easy reach of driver and must be clearly marked 'Off' and 'On'.

#### **PROTEST RULE:**

1. Any driver in the same race on the lead lap may protest another car immediately after "A" feature in the tech area. \$250.00 cash per component. \$50.00 to the track, if legal protested car gets \$200.00, if illegal protestor gets \$200 back.