



## 2021 Mini Stock Rules

### **APPROVED MODELS**

Any four-cylinder cars. **No turbo charged or v-tech car allowed.** Must have complete stock body, frame and suspension. Cars may be front wheel drive, with a standard or an automatic transmission.

### **BODY/BUMPERS**

No body parts can be any lower than 4".

Rear pillar windows may be replaced with Lexan.

All glass, headlights and taillights must be removed except windshield.

Driver's door must be welded or bolted shut.

Passenger door must be welded or bolted shut.

Glass windshield is permitted.

Lexan windshields are permitted, must have two braces.

One stock inside mirror, to the right of the driver,

No exterior mirrors are allowed.

All cars must begin each race with a complete body (hood, doors, fenders, trunk, etc.) unless damaged in practice.

Stock front and rear bumpers must remain or be replaced by a maximum 2" (in any direction) pipe or tubing.

**MUST HAVE FRONT AND REAR BUMPERS ON AND COVERING THE TUBING AT ALL TIMES.**

Can be stock or plastic off any style body.

Tow hooks are required front and rear. They must be attached to any solid structure. Three or four links of chain welded to the bumper mounts is sufficient.

### **COMPUTERS**

**All computers must be approved by Petty International Raceway.**

### **INTERIOR**

Gearshift and pedals must remain.

Aftermarket oil pressure and heat gauges are allowed. Roof insulation, floor covering and other interior must be removed. Seat must be ***bolted to*** cross bar to prevent back of seat from going forward or backward. Aluminum racing seats are allowed.

### **EXHAUST**

A single stock sized exhaust pipe (Max 2' or have stock bolt bracket for resonator following stock pattern) must be attached to the stock manifold and remain the same size until it exits. Exhaust must point away from fuel tank.

### **FLOOR**

Stock floorboards must remain. All holes must be covered with stock thickness metal and follow original contour.

## **GAS TANK**

If original gas tank is ahead of the back of the rear wheels, it must remain and be used. *It is mandatory that a safety chain be installed under the tank running front to back to catch the tank in case the original straps break.* If original tank is located behind rear wheels must be removed and a maximum 10 gallon fuel cell be securely installed with metal straps/brackets in trunk, with filler inside trunk. Firewall or metal box is mandatory if fuel cell is in trunk.

## **ENGINE, DRIVETRAIN AND COMPONENTS**

Engine, transmission (automatic or standard), and rear end must remain stock. No interchanging parts. Motor is to be stock for make and model of car. If running automatic transmission, must run automatic throttle body. If running standard transmission, must run standard throttle body.

Stock carburetor/fuel injection system for make and model only. Stock air intake systems. No K&N (or similar) filters.

### **Maximum compression of 210lbs ALL CARS.**

Stock filter must remain but paper can be hulled.

### **Suspension rubbers can be replaced with Teflon bushings.**

All steering components, shocks, struts, etc. must remain stock for vehicle. Wheelbase must remain the same on both sides. **Camber on right front maximum 5° (+/-) post race. All other wheels maximum 3° (+/-).** Stock four-wheel brakes. No rear sway bar. Springs may be lowered. Car may not be any lower than 5 1/2".

Cars considered by officials to have altered components could be subject to rejection or disqualification based on the decision of officials.

May use adjustable ball joints in front only on all models.

## **HOOD**

Full stock hood, bracing, and hinges must remain. Only the latch may be removed and a tie-down or pins to be used. All insulation under hood must be removed. No scoops or air dams.

## **BATTERY**

**THE BATTERY CAN BE LOCATED IN THE ENGINE COMPARTMENT IN THE STOCK LOCATION. ANY BATTERY LOCATED IN THE DRIVER COMPARTMENT MUST BE LOCATED AS CLOSE AS POSSIBLE TO THE FIREWALL AND RIGHT FRONT TIRE AND INSIDE A MARINE CASE. THE BATTERY MUST BE SECURELY FASTENED.**

## **TRUNK**

Full stock trunk, bracing, and hinges must remain. **Rear hatch must remain.** And a tie-down or pins to be used. Floor must remain. Repair of floor O.K. with stock thickness metal. Must follow original contour.

## **RADIATORS**

Radiators must fit in stock radiator cradle. No antifreeze or other cooling additives allowed. Water only.

## **NUMBERS**

Numbers must be 18" high on both doors and roof, and readable from the grandstands.

Also require a 6" white number on the top passenger side corner of the windshield Recommend white numbers. Any numbers deemed difficult to score by the officials, the driver will be informed and expected to make necessary changes. Failure to do so could result in a refusal by Officials to honour any scoring concerns about the effected car. **Anyone requesting a number must email [registration@pettyraceway.com](mailto:registration@pettyraceway.com)**

## **TIRES AND WHEELS**

All wheels must be 12" to 15" diameter. Tires can be a max of 205/60/15. No Legend tires allowed. NO ALUMINUM WHEELS. No intermixing of wheel size is permitted. All tires must be the same size. No V rated tires. All tires must be DOT approved, **no softer than a 360 tread wear and no dual compound tires.** Stock passenger wheels (**unmodified**) only. Must run same offset on all 4 wheels. All 4 wheels must be same. Maximum wheel width is 6" on front and rear.

No chemical treating of tires (i.e. Compound Altering / Tire softening). Tires will be subject to durometer testing. Failure to comply will lead to penalties/suspension.

## **BRAKES**

Car must have properly working 4 wheel brakes.

No air ducts allowed.

## **SAFETY**

Seat belts must be worn whenever car is on the racetrack. Belts must be in good condition and not less than 1-1/2 inches wide. **Harness build date must be 2019 or newer.**

A minimum four-point harness is mandatory. Lap belts must be bolted to original seat belt mounts. Shoulder belts must be fastened to the roll bar at shoulder height. All belts must have seat belt mounts and fasteners. No tying, riveting, or any other method other than proper attachment is acceptable. Drivers are responsible to insure all safety equipment is in good condition and securely installed.

Drivers' side window net, with quick release from top, is mandatory.

**Full-faced helmets are mandatory.** Snell approved helmets no older than 2010 mandatory. No DOT or M style allowed.

Helmets must be free of cracks and must accompany car at time of inspection.

A securely mounted in a steel bracket attached to the floorboard, easily removed (quick release) fire

extinguisher is required, within easy reach of the driver. **CANNOT BE SECURED WITH TIES OR**

**BUNGIE CORDS.** It must have a recharge slip dated no earlier than January first of the current year, or an unbroken seal.

**Driver Race Suit is mandatory. Race boots, gloves and head restraints are recommended.**

**Petty Raceway Technical Inspectors will park any race cars they feel are not up to safety standards.**

## **DOOR PROTECTION**

A driver's side doorplate is required. It will be a minimum 3/16" steel plate (at least 12" wide) if contoured (rolled, not cut and re-welded) with body, installed on the outside of the driver's door. Non-contoured plate must be minimum 3/16" thick. The center of the plate must follow an imaginary line drawn from the top edge of the front and rear bumpers. It must extend ahead and behind the door and be bolted through the doorframes ("A" and "B" pillars) with a minimum of four carriage bolts. Bottom of plate should be a close to the rocker panel as possible. Plate should follow the contour of the body and must be painted the same color as the car. If no plate must have a min of 3 bars on drivers side.

## ROLL CAGE

**Bolt on strut tower braces front and rear are allowed. Must bolt to the strut mount bolts.**

A minimum of an **H** roll bar. Fastened to roof and the floor (with plate top and bottom) with 4 bolts per plate is required. A 4-point roll cage is allowed.



## ILLEGAL PARTS

All illegal parts will be confiscated and become the property of Petty International Raceway. Anyone refusing post race tech has to make arrangements with Petty International Raceway to be approved to race the next event. Example: If the team is asked to remove a part and refuses, they must prove it is a legal part before competing in the next event.

Any questions regarding these rules please contact Wayne Smith at [wayne@pettyraceway.com](mailto:wayne@pettyraceway.com)