

## 2019 Port Royal Speedway Xtreme Stock Rules

These rules are subject to change in the better interest of racing or safety

### **Weight**

All cars must weigh 3,200 lbs. With driver

### **Body specifications**

- A) Any 1948 or newer sedan is eligible. No pick-up, four-wheel drive jeep or station wagons allowed.
- B) All doors must be welded.
- C) All glass must be removed 75% of the windshield must be replaced with a screen.
- D) All plastic grills, headlights, taillights, door handle, and all chrome must be removed.
- E) The roof can have no more than 2 inch of rake front to back.
- F) Sail panels must resemble size and shape of factory OEM panels. The maximum at the top is 18 inches and 24 inches maximum at the bottom. Sail panels must be flat front to back and top to bottom.
- G) Front fender should gradually slope down to nose.
- H) NO slope, wedge nose or elephant ears are permitted.
- I) The rear of the car must be close in stock appearance with no hole drill in it.
- J) Nose cone on car must resemble an OEM nose.
- K) A 5-inch-high spoiler is permitted (with open sides).
- L) Bodies may be constructed of aluminum or steel panels.
- M) Body must resemble an OEM appearing body panels, bodylines, curves and shapes, including nose.
- N) Maximum body with side to side is 76 inches.
- O) Body panels must match the shape of the nose be used, Example; Camaro nose car must have a Camaro shaped body etc.
- P) All bodies must be in good condition, stock appearing and securely fastened. Bodyline must be a smooth even line from to rear. All body panels must be solid. No hole, slots, or air gaps are permitted.
- Q) One hole may be cut in the hood area for carburetor only.

### **Interior**

- A) Car must have a complete floorboard; area under driver should be reinforced.
- B) No boxing in of driver's compartment is allowed. Area can remain open door to door or sheet metal must run on 45-degree angle away from driver from the top of the drive shaft tunnel to top of right door.
- C) All flammable materials must be removed from car.
- D) Firewall must be completely enclosed. No open holes
- E) Cars must have complete firewall between trunk and driver.

## **Frames**

- A) The frame must remain stock including all suspension fixtures in stock location. Frame must be the same make as body used (ford for ford) (GM for GM) etc. No down tube frames permitted.
- B) Cars with uni-body construction must be connected from the rear of the front clip to the front of the rear clip.
- C) 2x3 frame material can be used replace stock frame or tie a uni-body chassis together. Must be .090 min. thickness front to back.

## **Roll Cage**

- A) No bracing in the bumper area.
- B) Bracing must be kept inside fenders. No sharp edge allowed.
- C) A 6-point roll cage is mandatory with an X on the roll cage behind driver. Minimum circumference 1 ½ inch pipe-minimum wall thickness .083.
- D) Two bars have must run from top of roll cage to rear frame. bracing must be inside trunk.

## **Suspension**

- A) The front upper control arms may be tubular aftermarket non-adjustable arm mounted on stock OEM mounts lower control arms must be OEM factory.
- B) Strut plate on strut cars may have slotted hole for alignment change.
- C) Stock type suspension only is permitted. All spring must remain in stock location.
- D) Weight jacks can be use in front.
- E) Only one steel bodied shock with fixed heim end is allowed per corner of car.
- F) Steel rod ends can be used in steering links.
- G) Only stock OEM spindles. No wide five spindles.

## **Rear suspension**

- A) All suspension parts must be stock type replacement
- B) Rear leaf spring may be mounted no more than a 3-inch maximum difference front to rear.
- C) No leaf spring slider mounts permitted.
- D) No leaf spring weight jack permitted.
- E) Must use weld-on stock type spring pads and full weld to the axle tube.
- F) Stock type triangulated 4 link or leaf spring suspension only.
- G) 4 (four) link cars must use stock steel length upper & lower trailing arms with steel heim ends.
- H) Springs must mount on top of axle tubes with a 2 (two) inch offset tolerance.
- I) All 4 (four) links must be connected at all times.
- J) Leaf springs must be steel multi-leaf. NO mono leaf springs. NO composite leaf springs
- K) No torque arms, birdcages, or lift bars, pull bars, or panhard bars allowed.
- L) Rears can be low and blocks are permitted to use under rears.
- M) No adjustable blocks under rears.
- N) No adjustment or adjustability of suspension components in any way.
- O) No independent rear suspensions.

## **Shocks**

- A) Heim ends shocks are allowed.
- B) Must be non-adjustable steel bodied fixed end shock.
- C) Oil and gas shocks are permitted with no adjustment valve.
- D) Non- strut cars may move front shock mounts to the outside of the A-arm.
- E) No reservoir shocks allowed.
- F) No coil over shocks anywhere.
- G) Strut cars must use the strut shock or drill out the strut shock and mount a perpendicular shock to the strut. Can not be both option at any time.

## **Engine Rule**

- A) The engine must be strictly stock for that make and model car and in it's original.
  - 1) 11 to 1 compression ratio maximum.
  - 2) Mopar-Max.cu in. 366 (.030 maximum over bore )
  - 3) Ford-Max. cu. In. 357 (.030 maximum over bore )
  - 4) Chevrolet-Max. cu. In. 355 (.030 maximum over bore )
- B) No external oil cooler is permitted, Stock ignition components only must be used. No super, No MSD blaster, No MSD pro coils permitted. Must have stock part number on the distributor and distributor must have all stock components.
- C) Cast iron head allowed. Stock or after-market head may be used. No roller cam, no roller lifter permitted. No cam over 500 lift permitted. No solid lift cam. Hydraulic cam only are permitted. Will be checked at zero valve lash cam will be measured off of rocker arms.
- D) Any dual plane intake is permitted. Made of aluminum and cast-iron.
- E) 1 two- barrel 500CFM holey carburetor will be permitted and must pass a no-go gauge.

## **Brake**

- A) Aftermarket brake master cylinder are permitted
- B) No brake adjustment within the cockpit or in reach of driver.
- C) Rear dic brake will be permitted as follows stock steel calipers must remain in manufacture line (no aftermarket racing calipers). the caliper mount must be permanently fixed to the axel housing. Steel rotor only and it may be aftermarket. An aftermarket aluminum hat is permitted.

## **Tires/wheels**

- A) A maximum of 8-inch wheel with wheel with 60 series tire maximums is permitted. No gumball tires permitted. No D.O.T. racing tires permitted. Bead-locks are permitted.

#### **Exhaust system**

- A) Muffler are mandatory on exhaust system. No specific muffler model is mandated.
- B) Stock exhaust or in the chassis type headers only permitted. Exhaust must extend beyond the firewall. Exhaust may not exit through the side of the car.

#### **TRANSMISSIONS – CLUTCHES**

- A) Stock transmission only. Factory identification numbers must be in place.
- B) No Aftermarket Transmission's Allowed. Must be Stock INSIDED AND OUT.
- C) No 1:1 transmission allowed, (BERT, BRINN, ETC.)
- D) Steel blow proof bell housing MANDATORY with one 2-inch diameter inspection hole located in the 6 o'clock or 12 o'clock position. Dust covers must be easily removed for tech inspection.
- E) Hydraulic throw out bearings are allowed.
- F) No straight cut gears or lightweight gears allowed in any transmission.
- G) Transmission must be GM to GM, Ford to Ford, etc.
- H) Must have working reverse.
- I) No aluminum flywheels. No coupler type clutches.
- J) Clutch must be working at all times.
- K) Multiple disc clutches are allowed.
- L) Drive shaft loops required.
- M) Drive shaft must be painted WHITE.

#### **Rear ends**

- A) Stock rear ends are permitted, or Ford, GM, Chrysler rear in stock location on any model car. Locked rears are permitted. Posi-traction is permitted as a factory option. No floater permitted.
- B) Stock and/or stock type aftermarket spring pads only, must be fully welded (not tacked) to the axle tube

#### **Safety**

- A) Approved safety helmet is mandatory. radio is not permitted
- B) Racing approved shoulder harness and lap belts are required.no more than two years old.
- C) Racing glove and suit are mandatory.

#### **Miscellaneous**

- A) Batteries must be relocated and securely fastened.
- B) Must be a fuel cells (no gas tanks) must be securely in the trunk.
- C) Do not leave used tires behind (subject to \$100.00 fine).
- D) Anything not covered in these rules will be at the discretion of the track officials and will be final.
- E) Stock appearance will be at the discretion of track officials.

