

# **Brockville Ontario Speedway**

## **2019 STREET STOCK RULES**

### **INDEX**

#### **1. Mandatory Personal Safety Equipment**

**1.1 General**

**1.2 Seat Belts**

**1.4 Neck Brace**

**1.5 Fire Suits**

**1.6 Shoes**

**1.7 Gloves**

**1.8 Future Mandatory Safety Equipment 2020 and 2021**

#### **2. Mandatory Transponder**

**2.1 General**

**2.2 Mounting**

#### **3. Mandatory One-way Receiver**

#### **4. General Safety**

**4.1 Roll Cage**

**4.2 Seat**

**4.4 Brakes**

**4.5 Glass**

**4.6 Windshield**

**4.7 Mirrors**

**4.8 Drive shaft**

**4.9 Window Net**

**4.10 Doors**

**4.11 Firewall**

**4.12 Uni-body**

**4.13 Package Shelf**

**4.14 Open Cock Pit**

**4.15 Battery**

**4.16 Fire Extinguisher**

**4.18 Fuel Cell**

## **5. General Street Stock Rules**

**5.1 Eligibility**

**5.2 Weight**

**5.3 Car Number**

**5.4 Appearance**

**5.5 Body**

**5.6 Rub Bars**

**5.7 Bumpers**

**5.8 Wheels**

**5.9 Tires**

**5.10 Suspension**

**5.11 Radiator**

**5.12 Fuel**

**5.13 Transmission**

**5.15 Scales / Tech**

## **6. Engine Rules**

**6.1 602 CRATE**

**7 .2019 General Track Rules and Procedures**

**7.1 MANDATORY.REGISTRATION**

**7.2 COMPEDITORS PITS**

**7.3 .ALCOHOL AND DRUG POLICY**

**7.4.MANDATORY DRIVERS MEETING**

**7.5.EXITING CAR ON TRACK**

**7.6. EXITING THE TRACK**

**7.7.HOW QUALIFICATION WORKS**

**7.8.SCALES**

**7.9.POINTS**

**7.10. SPEEDING IN PITS**

**7.11. PROTEST**

## 1. Mandatory Personal Safety Equipment

### 1.1 General

To ensure we meet all the expectations there will be **“No Grace Period”** for the mandatory safety equipment and will be strictly enforced starting at the practice sessions prior to opening night.

**1.2** 5-point safety belts must be SFI 16.5 or SFI 16.1 and a Maximum 2 years from the date of manufacture or expiratory date on new belts

**1.3** Helmets with minimum Snell SFI 31.1 2010 or 2015 label

**1.4** Mandatory neck brace (2021 Hans Device)

**1.5** Fire Suit with minimum SFI 3.2A/5 and display valid SFI 3.2A/5 label

**1.6** Fire resistant shoes required to meet minimum SFI 3.3 specifications and display SFI 3.3 label

**1.7** Driver gloves SFI 3.3

**1.8 A) 2020** Full racing seat containment unit or containment add on kit

B) **2020** SFI 3.3 rated long underwear

C) **2021** Hans Device

## 2. Mandatory Transponder

**2.1 General** Transponders are mandatory. Each car must have its own transponder and be register to that driver. Transponders must be working every time entering the track. Driver will be notified over the one-way if the transponder is not working. It is very important to ensure your transponder is working properly weekly to avoid any scoring issues. There will be a minimal grace period to repeat offenders with transponder problems. It will come to the point really quick, if the transponder issue is not addressed by repeat offenders you will not be scored and will affect you at the pay window, it's that simple.

**2.2 Mounting** Mount 18 inches rearward from the center line of the rear axle on the left (drivers) side and inside of the frame.

## 3. Mandatory One-way Receiver

One-way receivers will continue to be mandatory as the receivers is a safety tool for everyone. If you do not have a one-way receiver you will not be allowed to enter the track. If you're in the staging lane or in your pit with your one-way on and you don't hear any communication, pretty good chance you have a problem. Ensure you have fresh batteries prior to the start of each night. Ear buds used with the one-way receiver can play a key role in how the communication is

received. With all the in-car noises be selective in the style of ear buds used, as the **one-way system is a mandatory safety tool for everyone**

#### **4. GENERAL SAFETY**

**4.1 A:** A complete (6) point roll cage is mandatory and with a minimum of (3) door bars per side. The drivers' side bars must be bowed out, cage must be made of steel tubing, NO black iron pipe or soft steel, minimum size 1 ½ O.D. and 1/8" wall thickness or 1 ¾ O. D. and .090 wall thickness. Door bars must be connected by at least (2) rows or vertical bars. All main supported forward and back, cage must be full width of the frame rails and the roof section upright must go from the dash in the front to behind the driver's seat.

**4.1 B:** All bars within 18" of the driver, must be padded. All drivers must have a minimum of 2" between their head and the top of the roll cage. Welding on cage should be neat to the discretion of inspectors.

**4.2** Racing seats must be securely fastened to the frame with a minimum of (6) 3/8" bolts, (4) on the bottom and on the back, padded head rests are mandatory.

**4.3** All cars must have an adequate tow hoop or chain in the front and rear for towing purposes.

**4.4** Four-wheel brakes are mandatory and must be working at all times. No shut-offs, stock proportioning valves only.

**4.5** All glass must be removed, including windshield, all lights, reflectors, ornaments etc.... must be removed. Headlight and tail light holes must be covered with sheet metal.

**4.6** Windshield space must have mesh screen (min. 1" heavy gauge, no chicken wire) totally covering it. Opening may NOT be reduced by more than 4 inches from top remainder must be stock. Drivers window must have an approved window net on driver's side.

**4.7** No mirrors or radios allowed.

**4.8** A drive shaft sling must be located within 6" of the front U-joint, sling must be made of 3/16"x2" steel or 3/8" chain fastened with 3/8" bolts minimum. DRIVE SHAFT MUST BE PAINTED WHITE FOR SAFETY.

**4.9** Window nets are mandatory on the driver's side and must be fastened by a minimum of one (1) quick release rod.

**4.10** All doors must be welded shut.

**4.11** Full front firewalls must remain stock.

**4.12 Uni body** cars must have front and rear connected with 2"x2" tubing.

**4.13 Rear window shelf must be sealed off from the drivers compartment**

**with a minimum 20 gauge steel.**

**4.14 No closed in cock-pit. Floor may be raised no higher than drive shaft tunnel for exhaust.**

**4.15** Batteries must be safely and securely installed outside drivers' compartment. Terminal ends must be covered in rubber.

**4.16** Drivers required to have a full fire extinguisher in reach of the driver.

**4.17** No sharp objects in drivers reach to discretion of inspectors.

**4.18** Fuel Cell must be securely fastened in the trunk area on top of a suitable metal frame section. All tanks must be fastened with a minimum of (3) solid steel straps 1 1/4" by 1/8" with 3/8" bolts minimum. Maximum capacity for fuel cells is 15 gallons. Fuel cell is mandatory. Gas lines must be securely fastened, steel braided fuel line optional, Fuel shut off valve must be within drivers' reach. NOT COVERED. Labeled ON/OFF in bright colors is highly recommend. )Trunk floor may be altered from behind the rear firewall The fuel cap/filler hole must be located on top of the fuel cell. No quick fill systems allowed. Fuel cells must be equipped with a secure fuel cap and fully function rollover valve protection including the vent tube.

## **5. General Street Stock Rules**

**5.1** Any North American made car, no trucks, convertibles, two seater sports cars, no four wheel drive cars allowed, no front wheel drive. Minimum FACTORY stock wheel-base 105".

**5.2** Minimum weight with the driver after race with no fluids added 3,250 lbs (602 crate engine 3,150 lbs). No more than 200 lbs bias weight to be added. Weight must be painted white and secured to frame using 1/2" in bolts

**5.3** Numbers must be 24" high minimum and be on both doors and roof.

**5.4 A)** All cars must be neatly and brightly painted. Any dark colored cars must have a bright contrasting color.

**B)** All cars must be kept clean and as dent free as possible, excessively dented panels must be repaired or replaced, not removed.

**C)** No profanity of any kind will be allowed on the car.

**C/D)** All lettering on the car should look professionally done.

**5.5 A)** Entire body must remain as complete and stock as possible. No additional exterior body work of any kind, body must remain stock appearance and contours.

**B)** Fender wells may be cut out for tire clearance only.

**C)** )Aftermarket body panels may be used (steel only). Hood may be fiberglass, roof must remain stock. Aftermarket nose and tail piece allowed, NO LATE MODEL BODIES.

**5.6** One nerf bar (rub rail) is acceptable not higher than 18" from the ground with 1" tolerance. Must not stick

**5.7 A)** All cars must have a stock appearing front and rear bumper at all times.

**B)** All collapsible bumpers must be welded. Tow hoop front and rear mandatory.

**C)** Any reinforcing must remain behind the grill and bumper area.

**5.8** Any 3" or 4" offset steel wheel 10" maximum allowed, stock bolt pattern only. Racing nuts on all wheel's mandatory. No bead locks.

**5.9** Stock passenger type tires only, no truck or snow tires, no recap/mud tires allowed. Tire must not exceed 10" tread width Hoosier E-Mod tires permitted not to exceed 8". No special racing tires regardless of DOT number. No grooving.

**5.10 A)** No altering of frames for any reason, frames can be reinforced, the rear frame section maybe replaced or repaired from the center of the rear-end housing back. No altering of the chassis or suspension design or location.

**B)** Springs must be stock and remain in stock location, springs must match coil for coil, leaf for leaf, etc.

**C)** One shock per wheel, no heim joint shocks. Shocks maybe remounted to non-stock location, but suspension parts may not be cut or altered in anyway. Standard aftermarket A-arms allowed. (NO RACE SHOCKS FOR THE 2015 SEASON AND BEYOND)

**D)** Stock front and rear suspensions only. No racing coil or leaf spring. Standard aftermarket A-arms allowed.

**E)** Any stock production rear-end allowed (no floater).

**F)** Adjustable jack bolts allowed on rear of car, one per side.

**5.11** Radiator must be in stock location.

**5.12** Absolutely no modifications allowed. Pumped Gas only, no racing fuel or aviation gas, no additives.

**5.13 A)** Stock manual or automatic transmissions, no altering of any kind, must be mounted in the stock location using stock mounts.

**B) stock** clutch assembly only with steel flywheel. Clutch disc and flywheel must be for the size engine being used.

**C)** Stock torque converters only, must be for that size engine being used, fluids must be retained in the torque converter.

**D) Transmission coolers will be allowed, but must be mounted in a safe location, outside drivers compartment highly recommended. 5) All cars must have a reverse gear in working order.**

## 5.15

Top 5 cars are required to cross the scales before entering the pit area, Additional cars maybe required at the discretion of the officials. Track scales are the official scales if any discrepancy occur. Top 5 may be directed to the Tech barn after the scales. (When being teched max 2 persons per car in tech area.)

The tech inspector has the right to check any car at any time for technical inspections

ANY AND ALL DECISIONS OF THE TECH INSPECTORS ARE FINAL.

Any car not conforming will be subject to disqualification at the discretion of officials.

## 6. ENGINE RULES

**6.1** 602 crate motors allowed with the adapter plate BRP377 to run 4412 carb, 602 crate motor is subject to the same rules as the DIRT sportsman. It is our recommendation that you purchase a new crate motor. That being said, if a used crate motor is purchased it must conform to the crate motor rules. If it is found to be illegal by the Tech Inspectors, as per the DIRT sportsman rule book, suspension could follow. Therefore, "BUYER BEWARE".

### 6.2

1)Engines must remain stock as manufactured. Maximum cu. in 360. All motors will be allowed up to .060 overbore, stock bore and combinations only.

2 – A) Stock cast iron exhaust manifold with 5' of 2 ½ "exhaust pipe, aftermarket street header allowed.

B) intake manifold must be cast iron 2-barrel intake manifold stock passenger car only. No porting, polishing, welding matching or acid dipping.

3)Stock (2) barrel carburetors up to 1 11/16" inch throttle plate, box stock 4412 (optional). Choke plates can be removed, standard adapter plate allowed.

4)Camshafts must be hydraulic with no more than .450 lift at the valve and 300 lift at cam with stock OEM rocker arms.

5)Stock ignition maybe used, stock coils only.

6)Engines must remain in the stock location.

7)Flat top pistons only. If using oversize pistons, stock OEM type replacements pistons must be used., no lightweight or racing pistons. Must have 4 valve relief.



8)All internal parts must be stock type OEM for the engine being used. Any parts listed exclusively in a performance parts catalogue are not allowed, regardless of manufacturer.

10)(Heads) stock cast iron with no porting, polishing, angle cut or matching, Chevy Vortec heads with casting number 062 or 906 with 1.94 intake valves and 1.50 exhaust valves will be allowed. No Bowtie or SVO or Mopar performance will be allowed. The only work that can be done is shaving up to 040 and a three-angle valve job.

11)All cylinder head, engine block and intake manifold must have original part number stamp.

## **7 . 2019 General Track Rules and Procedures**

### **7.1MANDATORY REGISTRATION**

**All Drivers MUST register in order to race. Registration table is located in front of the pit canteen.**

### **7.2COMPEDITORS PITS**

**You or your crew may not enter a competitor's pit to complain or confront him or her. This offense will, result in a fine, race day points and possible suspension as the officials see fit.**

### **7.3 ALCOHOL AND DRUG POLICY**

**Drinking alcohol or taking any illicit drugs including marijuana in the pits is not permitted during any race event or practice. The driver is personally responsible for anyone associated with their car. If you or anyone associated with your car is found to have been drinking alcohol or taking any illicit drugs including marijuana you and your team will be escorted off of the premises including suspension as Officials see fit. The suspension will include car, driver and crew.**

#### **7.4 MANDATORY DRIVERS MEETING**

A mandatory drivers meeting takes place at each race event. Check weekly

schedule for time.

#### **7.5 EXITING CAR ON TRACK**

The driver shall not exit his or her car on the racing surface or unless there is a

fire or injury or an official permits it. Failure to follow this rule can result in a

fine and or suspension.

#### **7.6 EXITING THE TRACK**

Must be in turn 1 ONLY Failure to do so puts people in harms way and could result in a fine.

#### **7.7 HOW QUALIFICATION WORKS**

Heat races determine if you qualify for the feature. If there are 8 cars in a heat

then 6 qualify, 7 cars the 5 qualify, 6 cars then 4 qualify etc. The number that qualify per heat will be on the white board with the heat line ups weekly.

#### **7.8 SCALES**

You will be told on the 1 way radio how many cars scale after each race.

#### **7.9 POINTS**

Points for Features are awarded as per the 60 point system in the DIRT rule

book in heats the BOS awards 5 points for 1<sup>st</sup>, 3 for second and 1 for third.

#### **7.10 SPEEDING IN PITS**

Speeding in the Pits will not be tolerated and will result in a fine and or suspension as Officials see fit.

## **7.11 PROTEST**

**Cube check or visual, =one item=\$200 / other items=\$500 per item.**

### **PROTESTS-**

**SEE THE DIRT RULE BOOK for all ON AND OFF-TRACK RULES All rules will be**

**interpreted by the officials, not by the drivers and owners. The officials reserve**

**the right to accept or deny any protest on their sole discretion. "Grudge Protests" and/or any protest that is "not in good standing" will be denied. The**

**management reserves the right to change any rule or rules at any time if they**

**feel it is necessary. All procedural rules listed in the current DIRT Rule Book**

**will apply.**