



# **SUPER STOCK RULEBOOK 2020**

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# The following rules are for the Super Stock class for the 2019 race season.

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Interpretation of, or amendment to these rules may be made at any time.

The rules and, or regulations set forth herein are designed to provide for orderly conduct of racing events and to establish minimum acceptable requirements for all such events. These rules shall govern the conditions of all events; all participants are deemed to have complied with these rules. No expressed or implied warranty of safety shall result from publication of, or compliance with these rules and or regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to participants.

Two way radios allowed for safety, spotters must be on the top two rows of the pit bleachers only. Anyone caught blocking will be black flagged and have radio privileges revoked.

Minimum age to race is 14. You must be 14 years of age to race any class. Any driver under 14 must have track approval.

**EACH DRIVER AND CREW IS RESPONSIBLE FOR KNOWING THEIR RULES AND TRACK POLICIES!**

## 1. General Overview

- a. Each driver and crew is responsible for knowing the track policy.
- b. All cars will be inspected for safety and rule compliance.
- c. If your car is disqualified by these rules, your entry fee will not be refunded.

## 2. **Vehicle**

- a. Vehicle body must be a stock passenger type with complete factory  
Appearing body and top. No convertible style bodies allowed.
- b. Steel bodies ie. Front fenders, doors, hood, rear quarter panels and  
roof are  
OEM or 22 gauge. Add 20 lbs to total weight if composite hood is  
used.

## 3. **Weight**

- a. All cars must weigh 3100 lbs, minimum, and steel body cars have a  
maximum of 58% left side weight.
- b. Cars with body panels composed of materials other than OEM or a  
Minimum of 22 gauge steel (fiberglass, composites, aluminum, etc.)  
must  
add 40 lbs. of additional weight, and have a maximum of 58% left  
side  
weight.
- c. Fuel weight allowance is one pound per lap in the same portion as  
above.

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#### 4. **Body**

- a. No functional fresh air hood scoop.
- b. Body panels must be fabricated from a minimum of 22 gauge steel and  
Resemble the factory stock panel to avoid the 40lb weight rule.
- c. Full width windshields are required.
- d. Rear quarter windows or opera windows may be Plexi-glass.
- e. Firewall must be stock or fabricated "Footbox" 18 gauge minimum.
- f. All holes in firewall must be covered and must seal engine area from driver.
- g. A complete rear firewall must seal the trunk area from driver compartment.
- h. An 1/8 inch steel pan plate from the rear of the driver's seat to the heel area  
of the firewall must be welded in.
- i. Remove all side glass, upholstery, rear seats, molding, etc...
- j. All doors must be permanently closed by welding or mechanical attachment
- k. Front and rear wrecker hooks, loops required.
- l. An outer rub rail next to the body is permitted and is to be flush mounted  
only. Metal rub rails are to be 1 inch square maximum with tapered ends.
- m. Front and rear bumpers must remain stock in appearance for make of car, subject to inspectors' discretion.

#### 5. **Chassis, Roll Cage and Frame Work Structural Additions**

- a. Roll cage material used must be a minimum of 1 ¾ inch in diameter with walls not less than .095 inch thick. Cars must have 8 point perimeter roll cage (no offset roll cages allowed.).
- b. Must have three door bars minimum on left side with plating between them. Door bars must have some type of cross brace installed between roll cage uprights. Steel plate on left door side mandatory, 1/8 inch post to post top to bottom.
- c. All corner welds should be gusseted.
- d. Foot and leg protector bar from behind left front wheel to left front roll cage post is recommended.
- e. Frame, unibody sub frame connectors are required.
- f. Rebuilding of rear stub: start at center line of rear axle 2 parallel frame members of 10 inch minimum outside circumference, 1/8 inch thick tubing, or stock frame rails of equal dimensions (square, rectangle or round).
- g. Ballast; all ballast (extra weight) added must be painted white and securely fastened into car with car number clearly marked on weight.

## 6. Suspension

- a. General; suspension must remain in stock appearance and dimension except front upper control arms. Upper control arms may be steel tubular, one piece style with conventional bolt on ball joints, bushing style pivot shafts and can measure 8 inches plus or minus 1 inch on G.M. metric.

- b. Rubber, urethane or plastic control arm bushings only front and rear.
- c. Sway bar bushings may be plastic.
- d. The use of “weight jacks” is allowed on rear axle only.
- e. Coleman hub mandatory on front right. 5 studs.
- f. Shocks must be steel bodied, no coil overs,  
no adjustable shocks or sliders. One shock per wheel.
- g. Springs: adjustable spring spacers are allowed on the front. If the car  
has  
the  
front screw jacks they must be locked so they cannot be adjusted at  
the  
track. (Approved by tech inspector.)
- h. Front suspension: upper control arms must mount to stock mounts,  
mounting location may be moved, steel construction only,  
(steel pivot shafts only) no aluminum.  
One piece style allowed, conventional style bolt on ball joint allowed.  
Bushings style pivot shafts allowed (bearing pivot shafts prohibited).
- i. Lower control arms: front suspension lower control arms must be  
stock  
and mounting locations cannot be moved.
- j. Rear suspension: no pan hard bars, coil over shock units,  
or rear sway bars unless factory stock.

## 7. **Cooling system**

- a. General: a catch can is mandatory, no antifreeze is permitted. After  
market  
water lubricant is allowed.
- b. Radiator: no plastic radiators allowed.
- c. Water pumps must be mechanical driven.

## 8. **Steering**

- a. General: Steering must be in typical stock arrangement and location.

Hiem Joints are allowed for steering components.

b. Safety: the steering wheel should be padded. A collapsible steering wheel shaft is suggested.

## 9. Tires and Wheels

a. General: no shimming allowed, the use of tire softener is not permitted,

no air bleeders allowed.

b. Wheel lugs and studs: longer and oversized stud bolts are required, stud must have at least 3 threads showing past nut.

c. Tires: approved racing tire is Hoosier D800.

d. Wheels: racing wheels required on ALL sides, maximum 8 inch wheel.

e. Backspacing: ALL RACING WHEELS ON A CAR SHALL BE A MINIMUM

OF 2 INCHES- A MAXIMUM OF 4 INCHES OF BACKSPACING.

f. First day the car races, all four tires either new or used must be marked by

the Sands Speedway inspector. After the first time the car races you can get

only one tire a week marked, either new or used for use on the car at any

time in the future. The car must race on the tires that the car uses for time

trials for the full race day. Flat tires during the race day may be replaced

with approval of inspector, with any tire that was previously marked unless it

was the first day the car races. No unmarked tires can be used unless approved by inspector. If you are not buying a new tire get a used tire

marked for possible use in the future.

## 10. Brakes

a. all four brakes must be in good operating condition, drum or disc brakes.

## 11. Fuel

- a. Gasoline only! No alcohol based fuels.
- b. No fuel line may be exposed in the driver's compartment.
- c. No nitrous oxide.
- d. No cool can.

## 12. Power plant

- a. Engine general: no aluminum blocks.
- b. Lubrication: no dry sump system.
- c. Location: engine must be in stock location or moved no farther back than number one sparkplug in line with ball joint centerline.
- d. Fuel pump: mechanical fuel pumps only.
- e. Ignition: any stock single point or magnetic pickup type may be used, stock type coil must be used.
- f. Carburetor: factory stock 2 barrel carburetor, 4412 Holly carburetor, no more than 1 inch adapter plate between intake and carburetor. All throttles must have a minimum of 2 return springs.
- g. Intake: stock cast iron 2bbl intake, no marine intakes, no porting or polishing. The only aluminum intakes permitted: Edelbrock Performer Manifold #2100 series, RPM #7100 series. Speedway Motors #91011465.
- h. Valve train: Stock appearing valve train, 1 3/8 inch maximum diameter  
valve springs, the use of stud girdles is allowed, and flat tappet camshaft,  
no roller cams or roller rockers. The use of roller tip rockers is allowed,



but must have a stock fulcrum.

i. Heads: no aluminum heads, must be cast iron factory street production

heads only (no turbo, bowtie, angle plug cylinder heads).

j. Exhaust: cast iron exhaust manifold only, no porting or polishing.

Tail pipes: exhaust must point down towards track, 100 decibel limit mandatory from 100 feet. No exhaust popping or other irritating or irregular exhaust noises.

k. Crate motor: crate motor for the Super Stock class is GM part # 19258602

l. Must have Raceway Investors approval before you purchase a new or used

motor and must have bill of sale at track.

m. Raceway Investors approved 650 Holley carburetor part #0-4777 only.

n. Approved Schoenfeld headers part #185VCM.

o. Crate motor cars must follow All Super Stock rules and engine must be sealed.

p. Repair/rebuild- you must use an approved source for any crate motor repairs or rebuilds, CHECK BEFORE ANY SUCH WORK.

### 13. Drive Train

a. Transmission: Any stock transmission must have forward and reverse in working order, automatic transmission must have stock appearing torque converter.

b. Clutch and pressure plate must be a minimum of 10 inches in diameter. No

multi disc clutches allowed.

c. Drive shaft: must be painted white for safety. A safety loop is required, on the first quarter of the drive shaft. No aluminum driveshaft allowed.

- d. Rear End: stock rear end in stock position OEM or Ford style 9 inch.  
Upper frame mounts may be moved up to one inch.  
Locked rear ends will be permitted. No quick changes.

#### 14. **Electrical**

- a. Battery must be securely installed.
- b. Kill switch mandatory, centrally located.
- c. Master switch behind or along driver's seat easily accessible and visible  
so that the safety crew can reach it.

#### 15. **Safety**

- a. Window net mandatory on drivers' side.
- b. Seat Belts/Safety Harness: Tech official approval required on mounting  
of belts and seats. A head rest is required.  
A aluminum racing seat is mandatory.  
Lap belts and shoulder harness must be a minimum of three inches wide.  
Crotch strap is required.  
A date tag is required on all seat belts, condition approved by inspector.
- c. Driver Safety apparel  
Helmet: at least a Snell 95 rated helmet.  
Eye protection either visor or goggles are mandatory.  
Complete fire suit: highly recommended a 2-layer, SFI-5 fire suit.  
Fireproof gloves are mandatory, Highly recommended Nomex racing  
Gloves.  
Footwear: boots or racing shoes required. Racing shoes are highly

Recommended. No athletic type shoes accepted.

d. Fire suppression/ Extinguishers/Requirements

a. Extinguishers of dry powder of at least 2 lbs., full and in operating condition.

b. Must be mounted in all cars within drivers reach and that of safety crew. Mounting must have quick release.

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