

# 2024

## SECTION 8 - STOCK CAR

### 1. **Driver Eligibility:**

- 1.1. Must be at least 18 years of age or demonstrate ability.
- 1.2. Final decision is subject to track approval

### 2. **Eligible Cars:**

- 2.1. Any American made rear wheel drive car, manufactured by Ford, General Motors, or Chrysler.
  - 2.1.1. NO vans, 4WD's or sports utilities.
    - 2.1.1.1. Late Model pickups require prior approval by the pit steward.
  - 2.1.2. Wheel base shall be a minimum of 107.5"
- 2.2. NO 4-wheel, all-wheel, or front wheel drive cars allowed.
- 2.3. NO mid or rear engine cars allowed.

### 3. **MINIMUM SAFETY & PPE**

- 3.1. PERSONAL PROTECTIVE GEAR, see SECTION 5 - MINIMUM EQUIPMENT AND SPECS
- 3.2. ROLL CAGE - full cage required, see SECTION 5 - MINIMUM EQUIPMENT AND SPECS
- 3.3. Other minimum Specs, see SECTION 5 - MINIMUM EQUIPMENT AND SPECS

### 4. **Car Specifications:**

- 4.1. Frame
  - 4.1.1. Uni-body cars may create a frame to tie front and rear suspension together and must go from rear of front sub to front of rear sub only.
    - 4.1.1.1. Boxing and frame strengthening NOT allowed.
- 4.2. Bodies
  - 4.2.1. Car bodies must have the appearance of a stock car and be all steel. NO other type of metal allowed.
    - 4.2.1.1. Steel aftermarket body part allowed.
    - 4.2.1.2. Plastic or fiberglass allowed for the nose, hood, and tail sections only.
    - 4.2.1.3. Doors must be gutted and secured by welds, straps, bolts or rivets.
    - 4.2.1.4. Fenders and fender wells may be cut for tire clearance.
    - 4.2.1.5. Inner wheel wells may be removed.
    - 4.2.1.6. Hood and trunk springs must be removed and secured with pins only.
    - 4.2.1.7. Front firewall, floor pan and rear firewall is required, all holes covered and/or sealed.
    - 4.2.1.8. All glass, trim, headlights, side markers, etc, must be removed.
    - 4.2.1.9. Factory appearing rear spoiler allowed. 5" maximum height.
  - 4.2.2. Stock appearing front and rear bumpers are required.
    - 4.2.2.1. Bumper ends must not exceed body width and must be strapped with 3" x 1/8" steel strap to the fender on front and rear of the car regardless if exposed or covered.

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- 4.2.2.1.1. Blunt or sharp ends will not be allowed.
- 4.2.2.1.2. NO excessive reinforcement of bumpers. Reinforcement is subject to track approval.
- 4.2.2.1.3. Bottom of the front bumper must be no higher than 18 inches from the ground.
- 4.2.2.1.4. Made for racing plastic bumper covers allowed.

## 5. ENGINE and DRIVE-TRAIN SPECIFICATIONS

### 5.1. Engine

- 5.1.1. Engine and related components must remain stock OEM.
- 5.1.2. 360 maximum engine displacement.
- 5.1.3. 602 Crate motors are optional and seals must remain intact.
- 5.1.4. NO angle plug heads, bow-tie blocks or heads. Vortec heads allowed.
- 5.1.5. Blocks and heads must remain OEM cast iron.
- 5.1.6. NO stroker engines.
- 5.1.7. Aluminum intake allowed.
- 5.1.8. Headers and cast iron exhaust manifolds allowed.
- 5.1.9. Intake manifold height may be a maximum 3.5" from base of manifold mounting surface, when measured from the carburetor mounting plane to the intake-to-head mating surface.
- 5.1.10. NO grinding, porting or polishing of any kind to the intake exhaust runners in cylinder heads or manifolds is allowed.
- 5.1.11. Engine must be mounted in stock location.
  - 5.1.11.1. Solid motor mounts allowed
- 5.1.12. Rollarized valve train components are allowed
  - 5.1.12.1. Screw-in rocker studs allowed.
  - 5.1.12.2. NO stud girdles allowed.
- 5.1.13. NO dry sump oiling systems allowed.
- 5.1.14. Oil pressure shut off required for electric fuel pumps.
- 5.1.15. NO magneto or crank-trigger ignitions allowed.
- 5.1.16. Exhaust must exit behind the driver in front of the rear axle.
  - 5.1.16.1. NO exhaust components allowed in the driver compartment.
- 5.1.17.

### 5.2. Transmission and Drive-Train

- 5.2.1. Single stock OEM disc clutches only, NO ram couplers, etc.
- 5.2.2. NO aluminum flywheels.
- 5.2.3. OEM and factory transmissions mandatory.
- 5.2.4. Standard transmissions must have a steel bell housing.
  - 5.2.4.1. Scatter blanket or steel scatter shield recommended.
- 5.2.5. Automatic transmissions must have working OEM torque converter.
  - 5.2.5.1. Scatter blanket or steel scatter shield required.
- 5.2.6. Quick change type rear-ends are not allowed.
- 5.2.7. Locked rear ends are allowed.
- 5.2.8. No traction control device allowed.

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- 5.2.9. Nine-inch Ford rear end allowed.
- 5.2.10. Full floater rear axle allowed.
- 5.2.11. Rear axle must utilize stock mounting type and position
- 5.2.12. 1" inspection hole is required in bell-housing or dust cover to check fly wheel.
- 5.2.13. Must have 2 driveline hoops. Must be made from a minimum 2" x 3/16" strap.
  - 5.2.13.1. Rear hoop must be a full circle hoop
- 5.2.14. Driveline must be painted white with car number on it in a contrasting color.

## 6. Fuel Delivery

- 6.1. One, 2 barrel, downdraft carburetor only.
  - 6.1.1. Must flow less than 501 CFM.
  - 6.1.2. Two throttle return springs required.
  - 6.1.3. Air cleaner required.
- 6.2. Gasoline, E85 or 110 race fuel allowed. NO alcohol, methanol.
- 6.3. Electric fuel pumps allowed.
  - 6.3.1. Must be wired to shut off with the master switch.
  - 6.3.2. If mounted in the rear area, pump must be protected by a skid plate.
  - 6.3.3. Must be equipped with an oil pressure shut off override or inertia switch.

## 7. Suspension

- 7.1. No under-slung rear suspension.
- 7.2. Suspension mounting points, trailing arms, and sway bars must remain stock factory and unmodified.
- 7.3. Sway bars are optional
- 7.4. Weight jacking devices allowed.
  - 7.4.1. Spring spacers.
  - 7.4.2. Adjustable spring shackles sliders.
  - 7.4.3. Lowering blocks.
- 7.5. Any type shock absorber may be used.
  - 7.5.1. Maximum four shocks.
  - 7.5.2. Coil-overs allowed.
  - 7.5.3. \$100.00 per shock claim.
- 7.6. Spindle savers are optional.
- 7.7. Heim joints permitted on pan hard bar and shock absorber mounts.
- 7.8. Upper, non-adjustable, tubular A-arms allowed.
- 7.9. Stock, lower A-arms only.

## 8. Car Weight

- 8.1. The car must weigh a minimum of 3200lbs without the driver.
- 8.2. Added or removable ballast weight is permitted.
  - 8.2.1. Weight must be a minimum of 5 lb blocks. (NO milling balls or pellets.)
  - 8.2.2. Weight must be secured to vehicle with 2 – 1/2" bolts and locknuts.

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8.2.3. Weight must be painted white and have the car number on it in a contrasting color.

## **9. Radiator and Cooling**

- 9.1. 1. Radiator must be mounted in stock location.
  - 9.1.1. a. Must have 1 gallon metal or made for racing plastic overflow container. (NO plastic drink bottles, milk jugs, car radiator overflow container, etc.)
- 9.2. 2. Fans must have fan shroud.
- 9.3. 3. Electric cooling fans are allowed.
- 9.4. Radiator spray bar, pump and reservoir is allowed.
  - 9.4.1. Maximum reservoir capacity is 5 gallons
  - 9.4.2. System must be operational if installed.
  - 9.4.3. Reservoir and system components must be securely mounted in driver's compartment.

## **10. Brakes**

- 10.1. Must have at least 3 working brakes.
- 10.2. All brake components must remain in stock location.
- 10.3. Only 1 master cylinder is allowed
- 10.4. NO adjustable brake proportioning valves or shut off devices.
- 10.5. Emergency brake cable must be cut or removed. Subject to track approval.

## **11. Battery and Electrical**

- 11.1. Distributors must be OEM or OEM direct replacement, no magnetos.
- 11.2. 2. Electronic ignition allowed.
  - 11.2.1. Electronic ignitions must run Rev limiter with 6200 chip max, OEM soft touch rev control allowed.

All modifications are subject to track approval