



## SPORTSMAN RULES

### DRIVER ELIGIBILITY GUIDELINES TO RACE CLASSES

**Any DRIVER that has won a CRATE / Limited/ Super Late Model Feature event at Boyd's Speedway in 2017 cannot register to race in any class lower than Crate Late Model in 2018. Drivers are only allowed to participate in one class only unless a Super Late Model Series event is scheduled. Then a Driver can run the Super Late Model Event and Crate Late Model Event at that Event. Must purchase 2 pit arm bands the day of that Event.**

### ENGINE

- A. Steel blocks only, may be bored to .60 max
- B. Flat top pistons only. (Pistons cannot rise above deck)
- C. Crank and Rods must be stock or stock replacement (stock stroke Scat/Eagle parts legal)
- D. Balancing permitted but no lightening or knife-edging allowed
- E. Polishing rods permitted
- F. Any stock length steel rods
- G. STOCK ROD LENGTHS FOR MAKE OF ENGINE
- H. Press or floating pins permitted
- I. Wet sump oil system only
- J. No splayed main caps

K. 602 Crate Motors are allowed (MUST meet GM Specs)

### WEIGHTS

A. ALL STEEL MOTORS (steel block and steel heads) weigh 2450 lbs. w/8" spoiler w/ 8" sides

B. Cars with GM 602 Crate Motors weigh 2300 Lbs./ 8"spoiler w/ 8" sides

C. **Motors will be checked by Track Officials**

### ENGINE SET BACK

A. A maximum of 6" from center of top ball joint to the most forward spark plug hole

### HEADS

A. Any STEEL OEM 23-degree head allowed (GM Bow-tie Steel head legal)

B. No porting or polishing allowed

C. Combustion chamber to be no less than 60cc limit

D.No machine cuts or grinding in combustion chamber ports

E. NO SHAFT MOUNTED ROCKER ARMS

F. Intake runner GM 195cc/Ford & Mopar 205cc max

G.No Aluminum Heads

### CAM

A. Any hydraulic or flat tappet cam and lifters allowed

B. Lifter diameter must be OEM for make

C. Roller rockers allowed on 603 or larger

D. Any valve spring permitted

E. No roller cams

### VALVES

- A. Intake 2.02 max.
- B. Exhaust 1.600 max.

### INTAKE MANIFOLD

- A. Aluminum or cast iron only
- B. No plastic or carbon fiber intakes
- C. No porting/polishing or grinding anywhere permitted

### WATER PUMP

- A. Cast or aluminum permitted.
- B. No electric pumps

### FUEL PUMP

- A. Mechanical pump only
- B. No Electric pumps

### CARBURETOR

- A. One four-barrel carburetor only
- B. No dominators or predator carburetors allowed
- C. Engine must be naturally aspirated
- D. **May use carburetor spacer 1" on 602 2" STEEL MOTOR/STEEL HEADS AND UP**

### HEADERS

- A. No Tri-Y headers allowed.

### IGNITION

- A. Any electronic or points ignition

### SUSPENSION / SHOCKS / SPRINGS

- A. Shocks, at any position on the race car, including lift bar or torque arm shocks, must be constructed of magnetic steel or aluminum. Shocks of the "thru rod" style are not permitted. Shocks must have concentric, one piece body, and take apart on rod end only. No removable gas heads. No adjustable shocks. No remote reservoir or canister shocks. **Schrader Valve shocks are allowed BUT NO ADJUSTING AT TRACK**, no piercing valves. NO remote adjustment of shocks permitted, including electronic adjustment whether hard-wired or wireless. Shock/damper devices that are, or can be referred to or defined as an "inertor" or referred to or defined as a "j-damper" are not permitted anywhere on the car.
- B. One shock per wheel only. This includes left rear.
- C. Standard late model suspensions only. No spring loaded or shock type 4 bar rods. Only standard solid bar 4 bar rods. No torsion bar front or rear suspension. Sway bar ok.
- D. Standard one piece birdcages. No split birdcages.
- E. 1 technical traction device allowed. Either 5th coil or torque link. NOT BOTH. One 90/10 allowed with torque link, mounted center top of rear ended to frame.
- F. On coil spring per wheel. No internal or external bump stops and no stack spring on any corner including 5th coil. No progressive springs. No spring rubbers. One shock and one spring per corner of the car.
- G. Chassis brackets must be fixed. No movement.
- H. No shock covers.
- I. Flat wire take-up springs allowed. 0.150 maximum wire thickness.

### STEERING

- A. Any / all racing style racks permitted (Appleton, Sweet, Etc.)

### REAR END / REAR AXLE

- A. Any type of rear end/ differential permitted
- B. Aluminum tubes OK
- C. Wide 5 hubs allowed
- D. No independent rear end suspension permitted

### TRANSMISSION

- A. Any transmission allowed
- B. All transmissions must be fully functional with both forward and reverse.

### DRIVE SHAFTS

- A. All drive shafts must be a minimum of two inches (2") in diameter
- B. All drive shafts must be painted white
- C. Only one drive shaft is permitted
- D. All drive shafts must be protected with a secure drive shaft hoop or sling

### CHASSIS / FRAMES

- Both Rectangle and Square Tubed Frames are legal

#### Square Tube Frames

- A. The frame of all cars must be constructed of two-inch (2") by two-inch (2") minimum rectangular or square tubing with a minimum of eight-inch (8") circumference and a minimum of eighty-three thousand-inch (.083") wall thickness.

#### Round Tube Frames

- A. The frame of all cars must be constructed of a minimum of one and three quarter inch (1¾") round tubing and must have a wall thickness of eighty-three thousand-inch (.083") wall thickness minimum.
- B. No aluminum or titanium frames permitted in construction of car
- C. If rear bumper is stubbed, it may only extend a maximum of eight inches (8") beyond frame. Any stubbed rear bumpers that extend eight inches (8") or more beyond frame must be rounded and directed towards the front of the car.
- D. It is recommended that all cars be equipped with a tow hook or strap.
- E. All battery supports must be braced in two axis - two horizontal and one vertical.
- F. Minimum wheelbase span of 103" inch

### BODIES

- A. Same as Limited Late Model and Crate Late Model (see drawing diagrams for specific details)

### SPOILER

- A. Rear spoiler must be manufactured of material of adequate strength such as Sheet metal, Lexan, or Aluminum
- B. Maximum seventy-two-inch (72") width.
- C. Rear spoiler is not permitted to be suspended above the deck to create a "wing effect."
- D. Rear spoiler must begin where quarter panels end. No extended decks permitted.
- E. Maximum of three (3) rear spoiler supports. Option of two (2) additional one inch (1") aluminum braces.
- F. Spoiler supports cannot be mounted wider than the top of the quarter panel.
- G. Rear spoiler material must not exceed the maximum of eight inches (8") in height (measured from deck to tip of material)
- H. Clip car only (10" spoiler) I. All items will be checked by track official.

### SEATS

- A. **RACING SET RECOMMENDED is a seat SFI CERTIFIED**
- B. **Must be mounted with grade 5 or better hardware 4 BOLTS MINIMUM**
- C. **Must have 5-point safety belts NO MORE THAN 2 YEARS OLD**
- D. **If you don't have a certified full containment seat you must run a full window net.**

### FIREWALL

- A. A full metal fire wall must encompass the front, rear, sides, and floor of the driver

### FUEL / FUEL CELL

- A. Fuel cell w/steel can and 2" steel straps mounted in rear of car only
- B. **RACING or E85 only! No alcohol, nitrous oxide, nitro methane, or any other nitrate additives**
- C. **All cars must have fully charged fire extinguisher mounted within reach of DRIVER**

D. All cars must have a Fuel Cell Tip Valves installed in case of roll over.

### BRAKES

A. Must be equipped with sufficient four (4) wheel braking system.

B. On track three-wheel braking is allowed

C. Any type steel brakes allowed

D. No titanium or carbon fiber brake rotors are permitted

### WHEELS / TIRES

A. Front tires open

B. All rear tires must punch / stick 52 BEFORE THE RACE with the tracks durometer.

C. Wheels may be steel or aluminum 14 max. wide

D. Bead locks permitted

E. No chemical treating allowed

**CORRECT WEIGHT must be posted on / above the driver's side ROW BAR**

**Claiming the incorrect weight / motor combination will result in IMMEDIATE DISQUALIFICATION!! All posted weights MUST be correct for the engine you have in your car! NO EXCEPTIONS!!!**