

## 2025 Crate Modified Rules – final

Crate Modifieds are the newest open wheeled cars racing at the Speedway. These purpose-built racecars have been around for decades and are a staple in Northeastern race venues. We understand these rules are not perfect, however we do request they not be interpreted as opportunities to cheat and/or discover loopholes to gain advantage. We shall always welcome and work to accommodate all who respectfully meet the spirit of the rules and desire to join us racing Crate Modifieds at Wiscasset Speedway.

Since it would be both impractical and nearly impossible to list within the confines of any rulebook, all the modification, adaptation and infractions that could and would be illegal, it shall be understood for the purpose of rule enforcement that only those items that are specified in this book are allowable and permissible. In addition, The Wiscasset Speedway management reserves the right to penalize anyone who violates these rules.

### BODY - Eligible models: Tour type mods

**Body:** Must resemble tour type mods. Needs to look the part. If drastically different will make you change it.

**Nose:** Panel may not be any wider than front clip.

**Air Flow devices:** No air flow devices of any kind

**Spoiler:** 48"x8"x 1/4" 44" max spoiler height

**Numbers:** All car numbers must be registered with Wiscasset Speedway. Car numbers must be a minimum of eighteen (18) inches high and three (3) inches wide.

### DRIVETRAIN

**Clutch.** 7-1/4 minimum stock OEM 10.5 diameter steel type pressure plate must be used.

**Clutch disc.** A stock OEM type 10.5 diameter steel disc. The disc must be circular and cannot be button or paddle type.

- **Minimum weight** for each part not including bolts/hardware. Everything must be magnetic steel
  - Flywheel.** 14.5 lbs
  - Pressure plate and disc.** 16 lbs.

**Bell housing.** Must have an inspection hole

**Transmission.** OEM with 3 forward working gears

**Driveshaft.** Steel. Minimum 2" and painted white

**Rearend.** 486. gear rule. Quick change or non-quick change allowed. Non quick change add 25 lbs.  
no 9" ford rearend allowed.

**Axles.** 1.20 diameter. 7 lbs minimum. 8" ring gear allowed.

**Hubs.** No oil filled/no floating rotors

**Brakes:** 4 piston max/ no radial mount

**ENGINE:** Available options = 602 with 4 barrel, or 604 with 2 barrel with restrictor plate. Engines must be sealed

**Carburetor.** Holley based. No polishing, grinding, or drilling holes in the body of the carburetor. Choke horns may be removed with a square cut. No tapered or bevel may be cut into the body of the carburetor. Boosters may be aligned but may not be changed. Size and shape may not be altered. And height must remain standard.

The following are the parameters of allowed carburetors. Must pass carb tools.

**500 cfm:** Holley based 4412 must not exceed the following specs.

Venturi bore: 1.373-1.377

Throttle bore: 1.6855-1.6856

Booster OD: .620(+ or-).010,

Booster I.D. : .380 (+ or-).003.

Combined throttle shaft & plate: .1868-2008.

**650 cfm:** Holley based # 80541. Must not exceed the following specs.

Venturi bore: 1.248-1.252,

Booster: O. D. At parting line; .626-.630.

Booster: I. D.: .442-.446,

Booster: O. D. Top & bottom: .614-618.

Booster length: .720 (+ or-) .010.

Throttle shaft and plate ( primary): .1745-1765

Primary and secondary throttle bore: 1.6855-1.6865.

**Spacer:** One 1" spacer allowed none tapered

**Air cleaner:** Max 14x5" air cleaner

**Headers.** No tri-y's, merge collectors, crossovers.

**Ignition.** HEI 12 volt only

**Anti-Siphon:** Mandatory Oberg Fuel Safety Check Valve SV0828.

### **602 CRATE ENGINE REBUILD OPTION:**

With the limited availability and current high cost of 602 crate motors, Wiscasset Speedway is offering the option for race teams to rebuild their current engine. This option is **AVAILABLE FOR THE 2025 SEASON AND ONLY WITHIN THE FOLLWING SPECS.** Rebuilt engines will be subject to re-seal by Wiscasset Speedway tech dept.

- ARP head bolt kit
- ARP 3/8 rod bolt kit
- ARP main bolts
- GM factory steel timing cover
- Any timing pointer
- GM fuel pump push rod #03704817
- Any steel fuel pump plate
- GM or Victor head gaskets (5746 only)
- GM or FELPRO intake gaskets MS90131-2
- GM or Clevite CB663P MAX .010 under (NO coated brgs)
- GM or Clevite MS909P MAX .010 under (NO coated brgs)
- CAM BERRINGS (no coated brgs)
- GM or Hasting rings ONLY 2M139 or 2M48860 STD .020
- GM factory pistons or Sealpower H-815-DCP .020
- Valve spring retainer kit - GM
- Valve springs - GM
- Valve locks - stock GM or PIO PF555HD
- Intake valve - GM or Manley 10576-8 Intake cutter VSI-A05732 or FT-45039W3
- Exhaust valve – GM or Manley 10577-8 Exhaust cutter VSI-A20624
- GM or Double Roller timing chain kit LT-98100 ONLY (installed straight up – no bushings or offset keys)
- Oil pump - M155HV only
- Any oil pump spring
- Oil pump driveshaft IS-55E
- Oil pan - GM factory only
- P.A.S.S Mod only Moroso oil pan 21319
- GM distributors must have stock springs
- Any vacuum advance eliminator kit
- NO engine balancing of any kind
- NO camshaft regrings of any kind

Includes but not limited to: HYD lifters, Balancer, Rockers, Push Rods, etc

**NOTE: all rebuilds on 603 and 604 must follow the alliance rebuild specs.**

## **CHASSIS / SUSPENSION**

**Tread width:** 84" outside to outside

**Wheelbase.** 104" to 110"

**Clip: (safety)** 30-degree front clip

**Tethers:** One tether each spindle.

**Ride height.** No ride height

**Suspension limiting devices:** No suspension limiting devices permitted.

**Springs.** one per wheel. 300 lbs minimum and 600 maximum

**Spring rubbers:** only one spring rubber per spring. No spring rubber on the left front. Must be rubber only. No added material.

**Bump Stops:** No bump stops permitted.

**Swaybar.** Must move freely. No induced binds Three link. Rubber bisquit allowed. No spring loaded

**Shocks:** Pro shocks: WB series Afco 14 series,

- **Front:** Pro TA 551/2 b
- **Rear:** Pro TA 741/2 b

## **WEIGHT**

**Weight** = 2620 lbs. Cars will be scaled to determine overall weight postrace ready with driver in the seat.

**Left Side:** Maximum is fifty six percent (56%). Must remain at or below 56% prior, during, and postrace.

**Ballast:** weight must be located outside of the driver compartment with each piece attached with a minimum of two (2) three eighths (3/8) inch bolts, washers and locking nuts. All weight must be lead with each piece painted white and display car number. Added weight must be securely bolted inside of frame rails, behind front spindles and in front of rear axle. No weight inside the driver compartment. No more than two hundred pounds (200lbs) of bolt on ballast weight permitted.

**Handicap**

- Non quick change .... add 25 lbs
- Pro TA shocks .... add 25 lbs
- 7 1/4 clutch .... add 25 lbs.

## **WHEELS / TIRES**

**Tire:** Wiscasset Speedway Official Track Tire: Hoosier

Right Side: TBA. Left Side: TBA

**Conditioner:** may NOT be used in the Modified division (new or used tires).

**Durometer:** All tires are subject to random testing. Testing may be conducted at any time.

**Penalties:**

- **Heats:** Forfeiture of heat finish and points. Must start feature at rear of the field.
- **Features:** Disqualification (Last place finish), assigned 62 lineup points, must start rear of heat and feature next appearance

**Replacement:** Should a tire be damaged during the race event; it shall be the responsibility of the race team to present the damaged tire that day and within a timely manner for inspection. All tire replacements must have a written record with Tech regarding inspection and approval for replacement. Only tires with 50% or more tread will be eligible for replacement. Replacement of damaged tires will be limited to three (3) for the season.

**Wheels:** Steel racing wheels fifteen (15) inches wide as measured from bead to bead.

## **OTHER / SAFETY**

**Transponders:** Must be installed on left side eleven (11) inches from centerline of rear end

**Battery:** Must be in a sealed battery box and properly secured.

**Fire Extinguisher:** Minimum three (3) pound fire extinguisher mounted with quick release metal bracket within reach of driver when belted in. The extinguisher must be operational with full gauge reading.

**Fluids:** Car must not have fluid leaks of any kind.

- Must have a minimum one (1) quart capacity sealed overflow container.
- Water and a cooling additive only. No antifreeze is allowed.

**Padding:** Any bar within the driver's reach must be padded with an approved fire-resistant product. Pipe insulation is not acceptable.

**PPE:** Personnel Protective Equipment.

- One- or two-piece long sleeve SFI approved fire-resistant suit in good condition and free of rips, tears or holes. Fire resistant shoes and gloves.
- **Helmet:** Full face must meet or exceed the Snell 2015 standard. Must have face shield. Glasses, goggles, or open face helmets are not permitted.
- **Head and Neck:** Support/restraint safety device highly recommended.
- **Under Garments:** We encourage the use of fire-resistant underwear, socks, and head stocking.

**Radios:** Two-way communications shall be allowed; however, Wiscasset Speedway Management will require frequency registration.

**RaceCeivers:** Are mandatory equipment. Frequency 454.000.

**Seats:** Aluminum containment racing seat with right and left head supports. Seat must be mounted and attached securely to the cage. A support brace must be installed at the rear of the seat.

**Seat Belts:** Five-point quick release harness system in good condition mounted with three eighths (3/8) inch bolts minimum Grade 8 washers and locking nuts. These must be attached at two (2) separate points on the frame, equal distance from the seat back and not less than twelve (12) inches apart. (See manufacturer instructions for details). Sternum belts are highly recommended.

**Steering Wheel:** All steering wheels must have a center pad.

**Towing:** Towing identifiers are required. Two toe hook areas must be marked in the engine compartment and two in the aft section. This will be where tow hooks/straps are applied.

**Window Net:** Racing regulation window net with quick release attachment required to be securely installed on driver side window. Window nets must be securely fastened at all times when car is on racing surface

All race car components, including sealed engines, may be subject to teardown/dismantle inspection at any time. Refer to General Rules, Tech Information Section.

The definition of OEM for the purpose of rule interpretation is a part specified by the manufacturer as being for a specific make, year, model of an automobile or commonly available thru a replacement parts supplier i.e.: NAPA, O'Reilly, Car Quest. This does not include GM Bowtie or Ford SVO.

DISCLAIMER: Motorsports at all levels pose a risk to your well-being. Following the rules set forth by Wiscasset Speedway in no way guarantees or suggests your safety.

Last edited: 12/12/2024