



2023

EVANS MILLS RACEWAY PARK MODIFIED RULES

Last Updated March 6, 2023

Will follow ROC Modified Rules

<https://www.rocmodifiedseries.com/downloads/get.aspx?i=79233>

With the following exceptions:

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1: GENERAL:

1-1.a The rules herein shall refer to Evans Mills Raceway Park as “EMRP.” These rules are intended to create affordable and fair competition. While they offer a good outline, every item cannot be covered by a written rule. Any questions regarding any item not specifically covered in these rules should be addressed with EMRP Officials prior to proceeding. No car, component, or equipment will be considered as having been approved by reason of having previously passed through inspection unobserved or undetected. All equipment is subject to inspection and approval by EMRP Officials. You may be assessed penalties including, but not limited to added weight, fines, loss of points, loss of handicapping, and suspension, car parts, components, and/or equipment deemed as not in compliance with these rules. Any car part, component, and/or equipment which does not conform to the specifications or tolerances contained in the 2023 rule book or is not otherwise approved by EMRP may not be used in competition in 2023 and is subject to confiscation at the discretion of EMRP Officials.

Competitors are solely and personally responsible for the safety of their race cars and racing equipment and are obligated to perform their duties (whether as a car owner, driver, or crew member) in a manner designed to minimize to the highest degree possible to risk of injury to themselves and others.

REMINDER: ANYTHING not specifically addressed in the rules – or any deviation from the above rules – MUST be cleared with and approved by EMRP Officials PRIOR to acceptance.

2: SAFETY

2-1 PERSONAL SAFETY EQUIPMENT

See 2023 Race of Champions Rulebook Pg.8 Section C

2-2

Fire Suppression

A securely mounted operational (2-½ pound minimum) fire extinguisher with gauge visible for inspection purpose is **mandatory**. Extinguisher must be mounted in a quick release bracket. **Automatic or manual fire suppression systems highly are recommended.**

3: ENGINE

E.M.R.P will accept the following Three (3) engine options

- (1) RPM Sealed GM 602 Crate engine
- (2) GM Sealed 602 Crate Engine
- (3) ROC Type Built Engine

3-1

GM CRATE ENGINE OPTION

The GM circle track "602" crate engine is the only crate engine permitted. All engines must remain as delivered by GM including harmonic balancer, distributor, valve covers, springs, rocker arms, seals, etc. It is strictly forbidden to tamper with the factory seals in order to gain access to the internal workings of the engine.

Engine must conform to GM factory sealed 602 crate engine specs.

EMRP Officials reserve the right to confiscate any 602-crate engine for the purpose of inspection at any time track officials deem it necessary. No replacement engine will be offered.

Any dyno inspection performed will be based on a predetermined, unpublished HP and torque limit. This limit figure will NOT be made public. There is no tolerance. If an engine exceeds the limit, it will be deemed illegal and become property of EMRP. No reimbursement will be provided.

3-1.a

OIL PAN

Champ # CP 106 K0RB W/ CHA 1010SB Pick-up

Canton #11-102T 6.5 inch pan W/ Canton #20-030 Pick-up

In the event of an oil pan other than those listed above was installed on a previously sealed 602 Crate engine, the oil pan must be inspected and approved by EMRP Tech Official(s).

3-1.b

CARBURETOR One (1) Four Barrel carburetor only. Polishing, Grinding or reshaping of any part or orifice is not permitted. OEM type gaskets, jets and power valves must be used.

3-1.c

CARBURETOR SPACER

Single hole, open plenum, aluminum, or phenolic spacer allowed. Maximum distance between intake and carb base is 1.125 inch

3-1.d

IGNITION SYSTEM

Stock ignition system that is supplied with the 602 crate engine. Engine must retain stock firing order. No traction control permitted.

An MSD #8727CT External RPM limiter is mandatory. The MSD #8727CT must be mounted on the driver compartment deck, right of the driver. All Limiter wiring must be visible and harness must be intact. No Splicing!

RPM limiters must always be fully functional and operational.

602 Crate Motor to be set at maximum of 6200 RPM

3-1.e

ALTERNATOR

A functioning 12 volt single alternator system with an internal voltage regulator. And one (1) output wire must be used. External voltage regulators are not permitted.

The alternator must be mounted on the front of the engine. Only standard Production V type or flat type ribbed alternator drive belts will be permitted.

3-2

ROC BUILT TYPE ENGINES

See Engine Rules M-1.b Race of Champions Asphalt Sportsman Modified

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3-2.a

IGNITION SYSTEM

An MSD #8727CT External RPM limiter is mandatory. The MSD #8727CT must be mounted on the driver compartment deck, right of the driver. All Limiter wiring must be visible and harness must be intact. No Splicing!

RPM limiters must always be fully functional and operational.

REV Limiter must be set at maximum of 6800 RPM

3-2.b

Restrictor Plate (Optional)

Track Provided 1.480 (See Weight Requirements)

3-3 Engine Cooling System

3-3.a

Approved Coolants

Only Water or an E.M.R.P approved coolant will be allowed in the cooling system

3-3.b

Water Pumps

Steel or Aluminum water pumps must be used. Combination Water pump/Alternator units are not permitted. Any serpentine, cog or v belt pulley system are permitted.

3-4 Fuel System

3-4.a

Fuel Pump

Fuel pump must be mounted to engine block in stock location. No Belt driven fuel pumps permitted

3-4.b.

IN-LINE FUEL CHECK VALVE

In-Line fuel check valve is MANDATORY!

(OBERG P/N SV-0828 FUEL SAFETY CHECK VALVE RECOMMENDED)

3-5 ENGINE EXHAUST SYSTEM

3-5.a 602 Crate

Beyea P/N AMSST-602NI-3 (15/8-inch primary tube with a 3-inch collector)

The exhaust header flange must mount directly to the cylinder head with no Spacers between the flange and the cylinder head. A maximum header flange thickness of ½ inch is permitted. No Stainless-Steel Headers Permitted.

Inserts are not permitted in any part of the header or collector. Merge, crossover, and pyramid collectors are not permitted.

Exhaust pipes must come out of the engine at cowl and must extend a minimum of six (6) inches past the cowl. Right exhaust pipe may run beneath the car but must turn down and out toward the bottom of the right-side frame rail.

Mufflers are optional.

Thermal wrap is not permitted anywhere on the exhaust system. Only one exhaust pipe and muffler (if used) allowed per side.

Exhaust system subject to approval by EMRP Officials.

Interior coatings are not permitted.

Exterior coatings other than paint are not permitted. All other coatings including powder coatings are not permitted.

3-5 ENGINE EXHAUST SYSTEM (cont.)

3-5.b ROC BUILT TYPE ENGINES

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3-6 Clutch

7.25 inch Minimum clutch size with a 153 tooth Flexplate

3-7 Bell Housing

Only a commercially manufactured magnetic steel bell housing may be used. The bell housing must enclose the flywheel 360 degrees and be a minimum of 3/16-inches thick. Any modifications you make to the bell housing must be done with 3/16-inch steel and welded in place (no bolt on pieces).

(Example; QuarterMaster #008110440)

A bolt on bottom cover must be used for throw out bearing access and inspection. Maximum hole size not to exceed 3.5 X 4 inches. This hole may be covered in sheet metal.

3-8 Transmission

3-8.a 602 Crate engine only

Bert LMZ or Falcon P/NWIN60100 may be used

3-8.b Built Engine

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4: Weight

All specified weight requirements will include the driver and race gear POST RACE. Drivers must stay in the seated position with gear on to determine Left side weight percentage. Drivers will not be able to stow gear on right side of car while on scales

4-1.a

602 GM Crate with RPM Alliance Seals

2,450 Pounds

Maximum 56.5% Left Side Weight

4-1.b

602 GM Sealed Crate without RPM Alliance Seals

2,500 Pounds

Maximum 56.5% Left Side Weight

4-1.c

ROC BUILT TYPE MOTOR

2,600 Pounds

Maximum 56% Left Side Weight

4-1.d

ROC BUILT TYPE MOTOR W /Track Provided 1.480" Restrictor Plate

2,450 Pounds

Maximum 56% Left Side Weight

5: Shocks

ROC Rules apply with the following exception:

There will be a maximum "racer retail" price per shock absorber, per corner of the car of \$250.00.

The shock absorber will be searched by part number in three catalog locations and the mean price of the shock absorber will be used to determine the overall "racer retail" price of the shock absorber.

A shock absorber claim rule will be in effect for all shock absorbers. The claim will be \$200.00 per shock absorber claimed.

No coil binding, bump stops or travel limiting devices allowed.

6: RADIOS & ELECTRONICS

6-1.a

One Way Radio

One Way Raceceivers are mandatory for Race Director Communication, The frequency is **454.000**.

6-1.b

Two Way Radios

Two Way Radios are allowed for spotter purposes only. Spotter must use designated spotter stands provided by E.M.R.P. Abuse of Two way radios will not be permitted. E.M.R.P officials will have full discretion.

6-1.c

TRANSPONDERS

AMB X2 Car or AMBTranX X260 car transponder is always required on all cars (NO MX or Kart transponders). Any driver caught improperly mounting their transponder in order to gain an advantage will have their finish position adjusted and/or be disqualified from the event (including forfeiture of points and prize money) at the discretion of EMRP Officials.

Transponder must be mounted 14" from the furthest forward point of the front bumper. Must be mounted on the lower right-side frame rail.

7: Wheels and Tires

7-1 Wheels

7-1.a

10 inch steel wheels only. Any offset may be used.

7-1.b

Wheelbase will be 106" to 107" +/- .5 inches

7-2 Tires

NOTE: A participant competing in any race at EMRP specifically agrees that he/she acknowledges it is illegal to soak or treat racing tires and that said soaking or treatment of racing tires is against EPA regulations and further contains carcinogens and hazardous material which are unfit For his/her health and the health of all competitors and spectators. Any participant found violating the rule is subject to suspension.

The track tire will be the American Racer EC-31 10" slick tire 26.0, 26.5 and 27.0 may be used in any position.

Tires may only be purchased through EMRP.

7-2.a

Physical Requirements

Minimum circumference of the right rear tire @ 20 psi is 84".

Minimum tire pressures for all inspection purposes are ten (10) psi for both left side tires and fifteen (15) psi for both right side tires. Air may be added to the tires to achieve only the minimum tire pressures during inspections, per an EMRP provided tire pressure gauge.

7-2.b

Tire allotment

Competitors may purchase up to four (4) tires on week one of competition and four (4) tires on week two of competition. One (1) tire credit will be earned on week three of competition and for the remainder of the regular season. Competitors making their first appearance after week two, will be allowed to make a onetime purchase of up to four (4) tires.

7-2.c

Tire Bank

The above tires will be scanned and recorded into Speedway database for each competitor. **The Database will stay with the DRIVER, Not the CAR.** It is the competitor's option to use a newly purchased tire or save it for use at a later race date. If a new tire is damaged, the tire will be inspected and deemed either usable or unusable. If the tire is found to be unusable, a new tire will be granted to the competitor.

*Note to above damaged tire – a new tire will NOT be granted if the tire is damaged on the racetrack. In the case of tires damaged during racing, a replacement tire will come from the competitor's pre-scanned inventory

8: Fuel Specification

Blending and/or mixing of the fuel will not be permitted with any other chemicals, hydrocarbons, additives, nitrous, nitrous additives and/or any other fuel enhancement.

8-1

602 Crate Sunoco Track Fuel (Sunoco Crate 100) or equivalent "Pump" gas (93 octane maximum).

8-2

ROC Built motors Sunoco Track Fuel (Sunoco 110)

9: EQUILIZATION RULE

EMRP reserves the right to exercise an equalization rule at their discretion. 25# may be added to a competitor's race car at any time. Additional weight may be removed at the tracks discretion may be removed at the tracks discretion

