



2023 SPORT COMPACT/TURBO RULES

(Last Updated March 1, 2023)

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 rules 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.

By competing at EMRP, you agree to have read the EMRP 2023 General Rulebook and the 2023 Sport Compact/Turbo rulebook.

ELIGIBLE VEHICLES

- Any four cylinder naturally aspirated engine.
- Two-wheel drive coupe, sedan or light truck.
- Rotary valve engine cars allowed.
- 1995-2012 turbo front wheel drive cars only.

BODY

- All bodies must be stock steel, aluminum or plastic.
- Aftermarket bodies are allowed providing they look stock and match the factory wheelbase and frame being used.
- Hood and trunk latches must be removed and fitted with four (4) pins – one (1) in each corner of the hood and trunk for easier removal.
- All doors must be welded closed.
- Fenders can be trimmed for tire clearance only (with tech officials’ prior approval).
- Roofs, hoods and trunks must be of stock steel, aluminum or plastic.

INTERIOR

- Complete floor pan is mandatory, free from holes or tears.

- Driver's compartment cockpitting is allowed.
- Front and rear firewalls minimum 20-gauge steel and free from holes or tears.
- Absolutely NO self-tapping screws of any kind will be allowed on or in car.

SPOILERS, VENTS, VANES AND DAMS

- Aluminum or plastic material only.
- Rear spoiler maximum height is six inches (6") and no wider than width of the rear of car being used.
- Front air dam minimum two inches (2") ground clearance with driver after feature.
- No roof spoilers of any kind allowed.

WINDSHIELD AND REAR WINDOW GLASS

- Windshield must be OEM glass or Lexan or wire mesh only.
- Stock windshields must be free from all cracks.
- 1/8" Lexan material or wire mesh only providing its reinforced with two (2) one-inch (1") x 1/4" thick steel flat bars running from the center of the roof down to the firewall.
- Side windows must be open - no glass or Lexan allowed.
- Lexan rear window only allowed.

BUMPERS

- All cars must have stock appearing bumpers.
- Plastic nosecone is allowed over front and rear bumpers.
- Safety chains are mandatory in front and rear for towing purposes.
- Side rails made of 1"x 2" box tubing and .095 thickness mandatory and must be capped at both ends and mounted tight to the body.

CHASSIS

- Frame must be straight and in sound condition.
- No cutting, chopping or lowering of frame allowed.
- Sub frame connections are allowed.
- Lower a-arms must be in stock location.
- Front and rear strut supports are mandatory.
- No altering of strut mounts (unless prior approval is received from tech officials).
- NO mirrors allowed.

ROLL CAGE

- 6-point roll cage mandatory made from 1-1/2"x.095 wall tubing-
- Driver side door bars must be completely covered by 1/8" steel plate welded from top to bottom of door bars.
- Driver side must have at least three (3) horizontal bars made of 1-1/2"x .095 wall tubing welded from the front of the cage to the back of the cage with at least four (4) pipes of the same size welded between them.
- Roll cages will be free from holes, tears and any and all bubble gum welds.
THIS WILL BE STRICTLY ENFORCED.
- No kink tubing or torch bending allowed - MUST be mandrel bent.
- Roll cage base points must have four (4) 5"x5"x1/4" steel plates bolted and welded through floor.

GROUND CLEARANCE

- Frame rails four inch (4") minimum clearance with driver after completion of feature.

- Front air dam two inch (2") minimum clearance with driver after completion of feature.

ENGINES

- Engine must be from year, make and model of car being used.
- Any engine modifications allowed (providing tech officials approval).
- Rotary engines allowed (must be OEM to year, make and model of car.
- Rotary engines will be on an 8,000-rpm chip.
- MSD 8727 rev box is mandatory for rotary engine cars only.
- No bridge porting allowed.
- Porting on naturally aspirated engines is allowed.

EXHAUST

- Any header allowed.
- Exhaust must be no larger than 2-1/2" and exit to the rear of car.
- Any performance type muffler allowed.

CARBURETOR

- Any carburetor allowed.

COOLING SYSTEM

- Any electric or mechanical fan allowed.
- Aftermarket aluminum radiators allowed.
- One (1) quart overflow tank mandatory.
- Absolutely no antifreeze allowed - may use NAPA Kool or Water Wetter.

BATTERIES

- Batteries must be located in engine compartment or trunk only and inside a marine box securely mounted to the chassis.
- Main battery disconnects clearly labeled or marked within driver's reach mandatory. NO EXCEPTIONS.

POWERTRAIN

- Transmission must be from year, make and model of car being used.
- Gearing may be changed.
- Any flywheel or clutch allowed.

SHOCKS

- Any type shocks allowed.
- One (1) shock per wheel.
- Coil overs allowed.
- Any strut allowed.

SUSPENSION

- Seven (7) degrees maximum camber allowed.
- Strut towers may be modified for caster or camber adjustments only.

STEERING

- Steering column must be in stock location.
- Steering shaft and wheel center must be padded.

FIRE EXTINGUISHER

- 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.

DRIVER SEAT

- Aluminum high back race seat mandatory and must be fastened with four (4) 3/8" bolts in the base and two (2) 3/8" bolts in the back (must use fender washers on the bolts).
- Padded right side head restraint is mandatory.
- Full containment seat is recommended.

DRIVERS RESTRAINT/PADDING

- Fire retardant padding recommended
- Five (5) point race harness with quick release mandatory.
- Belts must be five (5) years old or newer and free from cuts, tears or holes. SFI tag must be on belts and must be legible.
- All roll cage bars within driver's reach must be padded. NO EXCEPTIONS.

WINDOW SAFETY NET

- All cars must have an approved window safety net with a quick release latch properly installed.

WEIGHT

- Maximum left side percentage is 58%.
- Minimum weight is 2,000 pounds with fully suited driver after feature.

FUEL SYSTEM

- An approved 8-gallon maximum fuel cell is mandatory.
- Must be a minimum of eight inches (8") off the ground.
- Must have a minimum 20-gauge steel container around cell.
- Mandatory fuel shutoff within driver's reach clearly marked. NO EXCEPTIONS.
- All fuel lines must be properly run and protected.
- Fuel cell must be securely mounted in trunk with two (2) straps of 1"x1/8" thick steel bolted through chassis.

TIRES

- Tires will be an American Racer tire as determined by Track Official(s).
- Camber cut tires allowed.

WHEELS

- Steel wheels only. Any offset allowed.
- 8" inch maximum rim width.
- 1" inch lugnuts mandatory.

DRIVER ATTIRE

- Race suit mandatory, free from holes, tears or cuts.
- Neck collar mandatory. Factory manufactured head and neck restraint recommended.
- Race gloves mandatory.
- Race shoes or boots mandatory. No sneakers.
- Full face helmet mandatory (Snell SA2015 or newer – NO EXCEPTIONS). No M rated helmets.

RADIO

- One-way radio is mandatory.
- Frequency is 454.0000.
- No other form of one-way or two-way communication permitted.

SCORING DEVICE

- AMB x2 or AMB TranX x260 is mandatory.
- No MX or kart transponders allowed.
- Transponder must be mounted 155" from the furthest forward point of the front bumper. Must be mounted on the lower right-side frame rail. If a driver is unable to mount a transponder in this location, it is the driver's responsibility to notify Tech Official(s) to determine an alternative mounting location PRIOR to competing.
- Any driver caught moving their transponder mounting to gain an advantage will have their finish position adjusted and/or be disqualified from the event (including forfeiture of points and prize money).

PROTEST PROCEDURE

- See General Rules.

4 CYLINDER TURBO CAR RULES ONLY

- 1995-2012 front wheel drive cars only.
- Rotary valve turbo cars must remove the turbo charger. NO EXCEPTIONS.
- Wilwood brake components allowed.
- Ram air allowed.
- Hood scoops allowed (5" maximum height only).
- Fuel system electrical/mechanical must be OEM to year, make and model.
- High pressure fuel pumps allowed.
- Oil cooler must be OEM.
- Air cooler must be OEM.
- Engine must be OEM to year, make and model.
- Porting on naturally aspirated engines is allowed.
- Performance C.V. shafts are allowed (must be painted white).
- Engine/transmission mounts can be solid.
- Wheelbase must remain as factory.
- Aftermarket transmission cooler allowed.
- For all other rules, see Sport Compact rules.
- This class will be combined.