



2019 BLUE RIDGE MOTORSPORTS PARK RULEBOOK – CRATE LATE MODEL

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specification herein or impose any further restrictions that in his/her opinion does not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation or deviation of these rules is left to the discretion of the officials, their decision is final.

NOTE: If crates run with the Limited Late Model class, there will be no 6,800 rpm (chip) rule.

DELAWARE DOUBLE-FILE RESTARTS PROCEDURE

- Once a caution is thrown, cars must slow down. Field will be put into correct running order in a single-file line. All cars one lap down to the leader will be placed at the rear of the single-file line.
- Once the correct running order is established, field will be placed in "Delaware Double-File Restart" order.
- The leader of the race will be placed alone in the front row of the field. Second place car must signal and make choice of either inside or outside of row number two. Rest of the field will line up accordingly, double-file style.
 - Example: Second place driver chooses outside. Third place goes inside of second place; fourth place goes outside of row three, fifth place goes inside, etc...
 - Example: Second place driver chooses inside. Third place goes outside of second place car in row 2. Fourth place goes inside of row 3, fifth place goes outside, etc.

BODY:

- Standard dirt style body required.
- A stock appearing nose is required.

- Schaeffer Oil Sothern Nationals body rules apply.
- See tech inspector if you have any questions.
- All B-posts must match from one side to the other (solid or open has to be the same on both sides).
- Rear deck height is 38" at all times with a 1" tolerance – 39" max.
- Spoilers 12" max height and 72" max width.
- No more than 3 spoiler supports may be used.

CHASSIS/FRAME:

- No aluminum frames or front clips.
- All frames must be of steel construction and must be a minimum of 2"x2" square with a minimum material thickness of .083".
- Wheelbase a minimum of 103" (no tolerance).
- No wings or tunnels of any kind allowed underneath the body or chassis of the car.

ROLL CAGE:

- All cars must have a suitable steel roll cage protecting the driver's compartment, including headrest.
- Side roll bars are mandatory and must extend into the door panels.
- A minimum of three (3) bars must be used on the left side.
- Each bar must be 1 ½" diameter with a minimum material thickness of .083".
- Roll cages must be welded to frame.

DRIVER COMPARTMENT SAFETY:

- Drivers seat must be a proper racing seat design and securely attached to frame (full containment seats are recommended).
- A full racing seat belt harness must be used; harness must be secured to the frame, not seat.
- All cars must have a quick release-type steering wheel.
- All cars must have a working fire extinguisher securely mounted within easy reach of the driver.
- All drivers must wear full fire-resistant driving suits (gloves optional).
- Hans device or any type of approved head and neck restraint is strongly recommended.
- No electronic or computer-controlled devices or data acquisition systems allowed.

FUEL CELL/ FUEL:

- An approved fuel cell (32-gal max) must be securely mounted in the trunk area of the car, inside a .20-gauge metal box supported by a minimum of two 2"x1/8" steel straps.
- All fuel cells must have a flap in top with ball valve to keep fuel from running out if car is upside down.
- Fuel cell must have the pickup line coming from the top half of the cell.
- Gas only. No alcohol/nitrous oxide/nitro methane or other nitrate additives.

TRANSMISSION:

- Drive train must have transmission mounted on rear of engine – no direct drive or inboxes.
- Any transmission with working forward and reverse gears permitted and must lead to one drive shaft.
- All drive shafts must be painted white or silver and must be protected by a minimum of one safety hoop or a sling (carbon fiber shafts are recommended for safety).

REAR END:

- Any type of rear end/differential permitted.
- No exotic materials allowed.
- Any steel or alum tube permitted.
- No lead may be bolted to the rear end.

BRAKES:

- All cars must have operational four-wheel braking.
- No carbon fiber brakes allowed.

WHEELS:

- Any brand or type of wheel allowed.
- Must be mounted with lug nuts.
- No knock-off or center lock wheels.
- 14” maximum wheel width

TIRES:

- American Racer 48 and above.
- Hoosier 1350 and above.
- Hoosier FT 200 and 400 allowed with no grooving or siping permitted.
- All 48’s and 1350’s must punch 45 and 56’s and 1600 must punch 58 with our durometer.
- Tires must have all numbers and names on the tire – no grinding off numbers or names.
- Tires may and will be confiscated at any time the officials deem necessary for samples or to check for tire prep in or outside the tire. BRMP has a no tolerance rule for tire treatment or prep to these tires. If BRM takes a sample from you, your money will be held until the results have been returned. BRMP tech official’s decision will be final and there will be no resending of the samples.

EXHAUST/MUFFLERS:

- Collector type headers required.
- Mufflers are mandatory.
- Any car that is judged to be too loud by the track officials under race conditions may be black flagged.

ENGINES: APPROVED SEALED CRATE ENGINES

- GM 602 or 604
- Ford 347SR
- The sealed engines must remain intact and not be tampered with.
- Any seals that have been removed or tampered with will make the engine illegal and not eligible for competition.
- Deals may be from any certified/bonded rebuilder.
- No changes allowed to the engine (intake manifold, heads, valve covers, oil pans, harmonic balancer or any other par/or parts on or in the engine).

WATER PUMP:

- Cast or aluminum permitted.
- No electronic water pumps.

FUEL PUMP:

- Mechanical pump only.
- No electronic pump.

FUEL:

- Gasoline or racing gas only.
- No methanol or alcohol.
- No nitrous oxide, propylene oxide, nitromethane or MTBE.
- Fuels must have a specific gravity of less than .761.
- Any fuel with a specific gravity of .762 or greater will be disqualified.
- It is the racer's responsibility to know what he/she is putting in the fuel cell.
- BRMP reserves the right to take fuel samples and send them to an independent lab for testing at any time.
- E85 fuel is allowed.
- E85 testers are readily available and easy to use to insure you're within the rules.
- E85 fuel testers can be purchased easily from your local race parts distributor, Summit or JEGS.
- Quick Fuel and Willy's has a very affordable tester ranging from \$16-25.

DISTRIBUTOR:

- Any ignition.
- Must have a 6800 chip in the ignition box.
- No magnetos allowed.
- When crates race against the Limited Late Model, the 6800 chip rule is voided.
- No traction controls.
- \$400 claim rule on each ignition box.

CARBURETOR:

- One four-barrel carburetor only of any manufacturer.
- Engine must be naturally aspirated.
- May use one carburetor spacer.
- 602 may use a 2" total thickness + .040 tolerance.
- 604 may use a 1" total thickness + .040 tolerance.
- No part of space may enter intake plenum and two standard one-piece paper gaskets (0.070" thick max) one gasket between intake to spacer and one gasket between spacer to carburetor.

ENGINE SETBACK:

- Engine setback will be 6" from center of top ball joint to the most forward spark plug.
- 1" tolerance on engine setback.
- Engines may be crossed from one manufacturer's line to another. Example: Chevy, Ford, Dodge, etc.

WEIGHT:

- 602 Engine – 2,200 lbs.
- 604 Engine – 2,300 lbs.
- All crate engines may run a 12" spoiler
- No weight allowance after time trials.
- One pound per lap weight allowance plus 5 after race.
- All cars must have specified weight posted on top left side of car.

CRATE LATE MODEL PROTEST FEES:

- \$1,000 plus the price of tech inspector

BRMP will reserve \$25 of the following protest fees:

- \$50 engine setback fee
- Note: the engine will be impounded at the official's discretion until the protest is complete. The seals that are on the engine being protested will be the rules for the tear down. Any engine without seals will be automatically disqualified.
- Any item not listed in protest fees is considered a visual protest item and must be protested before race.