

2013 Potomac Speedway & Winchester Speedway 602/604 Crate Late Model Rules & Regulations

It is your responsibility to read and understand the following instructions. Your car will be in accordance with these rules. Grace periods will not be granted. If your car is found not to be in accordance with these rules prior to the race, the discrepancy will be corrected before the feature event or you will not race. If a discrepancy is found after the feature you will be disqualified. It is your responsibility to have your car inspected by our tech officials.

If you are caught cheating within the GM Bolts you will be subject to fines, loss of points and being barred. This includes after market valve springs. We are trying to build a class for the future that's affordable to race.

General:

1. This division is limited to 1990 to 2009 American Manufactured stock car bodies.
2. Cars must have type of body style displayed on car with three inch max letters
3. Examples: Monte Carlo, Taurus, Grand Prix, etc

Bodies:

1. Nosepiece and roof must match body style of car
2. All cars must have a minimum of one half inch roll at top of fenders, doors and quarter panels. No sharp edges of any type
3. Floor boards and firewall must cover the drivers area and be constructed to provide maximum safety
4. Drivers seat must remain in the general area as the original design of car
5. Windshield screen or bars mandatory
6. Neatly painted or sticker numbers at least 18" high on both sides, roof and headlight cover are mandatory
7. No fins or raised lips of any kind permitted anywhere along the entire length of the car
8. Body line must be a smooth even line from front to rear
9. No slope nose or wedge cars permitted
10. No belly pans
11. Skid plate to protect oil pan is permitted

12. Stock nose piece plus roof and roof support must match, monte carlo to monte carlo, Taurus to Taurus. A FIFTY POUND WEIGHT PENALTY WILL BE ASSESSED FOR NON COMPLIANCE

Stock Nose Pieces:

1. Nose piece must be template approved
2. Must be made of molded material
3. Two (2) piece noses must be fastened together in center. No spacers to gain width permitted
4. Must be mounted, not to alter original shape
5. No material can be removed from nose piece, no cutting from bottom, top or sides
6. Stock nose piece can extend a maximum of 46" from center of front hub to farthest point extending forward
7. Front fender flares must be made of plastic and cannot alter the original shape of the nose piece, front fender flares must have collapsible support. No steel support

Roof and Supports

1. Must be stock appearing and mounted level
2. Must be stock dimensions
3. 45" maximum height from ground
4. Must be mounted parallel to body and near center of car
5. A maximum 1" roll turned downward is permitted along the rear edge of roof
6. No flat roof or odd shaped roofs allowed
7. All roof side panels must extend to edge of body, be flat and must be stock OEM size, and must be of same make and model as the nose piece.
8. Any sun shields, 4" max must be able to hinge for easy exiting of car
9. Front roof supports permitted to be no more or less than 2" wide by 24" long

Front Fenders and Hood

1. Must be level and flat from the left to right side of car
2. Fenders not permitted to gain height from rear to front of car
3. No part of fender or hood can be outside of the body line

4. 34" maximum front fender height. Height is measured vertically from ground to top of fender at center of front wheels

Doors

1. At no point can door sides break in towards center of car

Quarter Panels

1. No offset quarter panels permitted. Must be equally tapered toward the center of the car. A fifty pound weight penalty will be assessed for violation
2. Tire clearance from body must be a minimum of 2". No wheel skirts permitted
3. At no point can the quarter panel sides break in towards center of car

Frames

1. No aluminum frames or front clips permitted in construction of car
2. Minimum 103" wheel base
3. Rectangular or square tubing with a minimum of 8" circumference and a minimum of .083 wall thickness
4. Tube frames: The wheel base of all cars must be constructed of a minimum of one and three quarter (1 $\frac{3}{4}$ ") inch round tubing and must have a wall thickness of .083 minimum. All tube frame cars must use chrome moly steel in construction
5. If rear bumper is stubbed, it may only extend a minimum of 8" beyond the frame. Any stubbed rear bumper that extends 8" or more beyond the frame must be rounded and directed towards the front of the car 8"

Roll Cages

1. Cars must have a suitable steel cage in drivers compartment including a headrest
2. Side roll bars are mandatory and must extend into the door panels
3. A minimum of three (3) bars must be used on the left side of the car. Each bar must be a minimum of $\frac{1}{2}$ " in diameter and with a minimum thickness of .095
4. Roll cage must be welded to the frame
5. Roll cage must be above the drivers helmet

Spoilers

1. Rear spoiler material maximum 8" in height measured from deck to tip of material. Maximum 72" width, max 46" height measured from ground to top of spoiler
2. Rear spoiler is not permitted to be suspended above the deck to create a wing effect
3. Rear spoiler must begin where the quarter panel ends. No extended decks permitted

Fuel Cells

1. Fuel cell mounting must be welded to frame. Gas lines will run under the floor or encased in steel tubing when running through the driver's compartment
2. Fuel cells must be used. The tank must be securely mounted in a 20 gauge steel box with two 1/8" x 1" steel straps
3. Must have a firewall between the tank and the driver
4. Fuel cell must be located in the trunk area

Fuel

1. Unleaded gas recommended, but not mandatory
2. Icing or cooling of fuel is not permitted
3. Fuel shut off valve is recommended
4. Mechanical fuel pressure gauge mounted in driver's compartment must have an isolator
5. No methanol, alcohol, no nitrous oxide, no propylene oxide, or chemical additives
6. Mechanical fuel pump only: Cam driven or belt driven are ok also
7. No electric fuel pumps allowed

Tires & Wheel

1. Hoosier D-21, D-35, D-55 OR American Racer 48
2. Heavy duty lug nuts and studs mandatory
3. Wide 5 and bead locks permitted
4. Aluminum wheels permitted

Safety

1. Seat belts must be bolted to roll cage and pass inspector's approval. Shoulder harness required, only quick release type racing belts are

permitted. Fire suit and shoes mandatory. Only approved helmets snell 2005 or better. Full firewall of metal must be installed between the driver and the engine

2. On board working fire extinguisher mandatory
3. All cars must have a tow hook on front of car and rear of car

Rear

1. 9' Ford rear is permitted
2. Quick change rears permitted

Suspension

1. **Smooth steel bodied shocks only. No adjustable shocks, no Schrader valves allowed**
2. Suspension may be altered to accommodate racing rear ends. The front of the car including steering parts should be strengthened
3. The right front hub and spindle must be improved to meet the demands of oval track racing
4. Heavier spindles and lug nuts are mandatory. Sway bars may be added
5. No torsion bar systems allowed. No driver control weight jacks allowed
6. No traction control devices allowed
7. The head of the shock can be no larger than the tube of the shock

Brakes

1. Four wheel hydraulic brakes. Must be in good working order at all times. No carbon fiber brake systems allowed
2. Disc brakes on front recommended. After market master cylinders are allowed. Balance adjusters are permitted
3. Proportioning valves allowed, proportioning valves may be adjustable from drivers compartment

Radiator

1. One radiator under the hood in stock location. Water only permitted
2. No anti freeze or oil of any kind

Engines

1. GM Crate 602 # 88958602
2. GM Crate 604 # 88958604

3. Can be purchased from Ken Dixon Automotive at the cost of \$5100 for the 604 and \$3200 for the 602, contact speedway at 301-481-8855 for further information
4. Must have GM Bolts and GM logos and info-glyphdot.matrix
5. Delaware Sealed crates, Fastrak, NeSmith sealed crates legal
6. These engines are sealed at the intake manifold, cyclinder head, front cover, and oil pan with special twist off bolt heads originally from GM. Fastrak and Rush seals allowed. NO RM BOLTS ALLOWED. Crate engine must not be altered, modified or changed from factory specs
7. 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. The penalty for anyone tampering with seals, modifying any internal engine parts, changing the parts from stock as delivered sealed from the factory will be subject to being banned from the speedway
8. No changes of any kind are allowed to the engine. Intake manifold, heads, valve covers, front cover, oil pan, harmonic balancer or any other part or parts on the engine
9. No vacuum pumps

Carburetor

1. One Four Barrel carburetor only of any manufacture
2. Engine must be naturally aspirated
3. 604 may use one carburetor spacer (1 inch-one piece with .040 tolerance max) and two standard paper gaskets (max 0.070 inch thick) one gasket between intake to spacer and one gasket between spacer to carburetor
4. 602 may use one carburetor spacer (2 inch-one piece with .040 tolerance max) and two standard paper gaskets (max 0.070 inch thick) one gasket between intake to spacer and one gasket between spacer and carburetor

Distributor

1. Any electronic distributor- type ignition system. No crank trigger, distributor less multi coil or magneto ignition system
2. No multi coil distributors allowed

Exhaust

1. Headers are permitted

2. Cannot point towards ground, must be parallel to track
3. Mufflers are mandatory, or inserts allowed
4. Exhaust / muffler must be on and functional after the race
5. Collector type headers required. Must have four (4) tubes into one(1) collector of a consistent diameter
6. No tri-y headers or merged headers allowed
7. No square tube headers allowed

Engine Location

1. The engine is permitted to be set back a max of six (6) inches from the center of the ball joint to the front spark plug hole

Clutch & Transmission

1. Any type clutch, approved shields required. If a triple disc clutch is used then aluminum bell housing is allowed
2. Any type transmission with working forward and reverse gears. Must be mounted to rear of engine and have only one drive shaft. A 360 degree drive shaft loop is required, and drive shaft must be painted white
3. Bert and Brinn allowed

Weight

1. 602 weight is 2200lbs with driver after race
2. 604 weight is 2350 with driver after race

Rules & Regulations

Official interpretation of these rules shall be binding, Rules will be enforced with no tolerance. Penalties: Any time the conduct of any team member/ driver is a discredit to the speedway the racing industry or to himself, he may be removed from all racing activity at the speedway. The driver is responsible for all people associated with his team or signed in under his team.

On misinterpretation of a rule, the official's interpretation shall be the official interpretation and will supersede any and all other possible interpretations. If you are in doubt of any rules ask, don't assume. Ignorance is no excuse

The speedway shall be empowered to permit minor deviation for any of the specifications herein or impose any further restrictions that in our opinion do not later the minimum acceptable requirements

All rules are at the discretion of the track officials. All engines and parts must be as from factory and all components thereof. Any unauthorized changes will result in disqualification with no points and or money, or penalties including but not limited to being barred from further racing activities.

If you are caught cheating within the GM Bolts, driver is subject to fines and will be barred from racing at Potomac Speedway and Winchester Speedway. This is a class we will be building for the future of racing to keep cost affordable.