

Bridgeport Speedway

2011 Bridgeport Crate Modified Rules

A- ENGINES

1. Crate 1 must use General Motors Spec. Pn 88958602 I.D.
2. Crate 2 must use General Motors Spec. Pn 88958604 I.D.
3. Ford Engine Part # M-6007-S347JR
4. The Ford engine utilizes some aftermarket parts. These parts from here out will be looked at as ford crate parts. All part numbers are on file and will be strictly teched.
5. Stock rocker arm that came with motor only.
6. GM crate valve springs. 602 pt.#10212811 604pt. #12551483
7. OEM style fan and water pump crank drive.
8. No electric fans or clutch fans.
9. No evacuation pumps of ANY kind (mechanical, electrical, or otherwise) are allowed.
10. Engines may be pulled at any time at officials or managements discretion for legality check. Engine will be returned the following Wednesday if found legal. If engine is found illegal, Bridgeport reserves the right to confiscate said engine. A fine and loss of points may also be imposed.

B- HEADERS

1. No Tri-Y headers

C- DISTRIBUTORS

Crate1 & Crate 2

1. Stock H.E.I. type distributors only are permitted. Must have an unaltered MSD Rev Limiter # MSD 8728 or MSD 87286 with **6000 RPM chip**. This must be hooked up and working at all times. If found to be higher than 6000 chip, you will lose points and purse for that event, and a fine of \$500.00 must be paid before racing again. MSD must be out of reach of driver.
2. All wiring to Rev limited Rev-Box not permitted to be in a harness. All wires must be clearly visible. Rev-Box must be under the hood and be easily removed for tech purposes. Box must be mounted so

chip faces up and is taped in. When hood is removed box must be in clear view

- i. (no in cockpit mounts) Must be out of reach of driver.
Rev-Boxes may be confiscated or swapped by Bridgeport Officials at anytime
3. OEM firing order must be retained. 18436572 chevy
4. Coils must be stock appearing and remain in distributor. The use of a aftermarket heavy duty replacement coil and control module both mounted in stock location will be permitted.
5. No traction control devices allowed. No form of braking device that controls traction.
6. The Ford S347JR comes with a MSD distributor. This must remain unaltered and serviced with the same parts.
7. Ford box will be a MSD 6AL part # 6420 or a MSD 6ALN part #6430 with a **6000 RPM chip**. The coil must be a 12volt external mount no greater than a MSD blaster.
8. The MSD box must be mounted in clear view when hood is removed and mounted so chip is facing up with chip taped in.

D. CARBURETOR

1. Single 4 barrel carburetor of Holley design 650 or 750 only.
2. All 604 and S347JR (*302boss*) motors must use restrictor plate.

(Supplied by Bridgeport Speedway).

* Restrictor plate can't be altered in any manor. If plate is altered in any way you will be **DISQUALIFIED**. You will also lose the points and winnings for the night.

E. ENGINE REPAIRS

1. Repairs must be made through Bridgeport Speedway repair center only. Major repairs minimum 2 weeks for completion.

F. WEIGHT REQUIREMENTS

1. Crate 1 & Crate 2 and FORD motor 2300 lbs.

G. FUEL REQUIREMENTS

1. Bridgeport Speedway racetrack gasoline. (**ONLY**)

2. No nitro or any other additives. All cars subject to random testing. No oxygenated fuels.
3. Any car found with illegal fuel is subject to a fine or disqualification and loss of points and winnings for that night.
4. Stock fuel pumps only.
5. **Fuel will be Tested in 2011.**

H. FUEL TANK REQUIREMENTS

1. The use of a commercially manufactured fuel cell is mandatory in all vehicles utilizing a cell size of five gallons or more.
2. All fuel cells shall be comprised of steel or aluminum container, bladder, anti-surge baffling and fill plate with check valves (vent check and fill check).

I. Fuel Supply Shutoff Valve

1. All vehicles shall be equipped with a fuel shutoff valve or switch which is easily accessible to the driver.
2. The fuel shutoff valve or switch shall be conspicuously marked with a brightly colored paint.

J. MUFFLER REQUIREMENTS

1. All cars must run satisfactory noise dampening mufflers for all Bridgeport Speedway events.

K. BODY REQUIREMENTS

1. "DIRT" style, old or new
2. Pennsylvania 358 bodies are allowed.
3. A maximum of a 4" vertical plastic material extending below the metal body panel is allowed. Plastic thickness of between .090" and .125" with a overlap of 2" to secure the to the bottom of panels will be permitted.
4. Roof must be fiberglass only.
5. No sail panels, wings, etc. are permitted.
6. Only aluminum or steel will be allowed for inner and outer body panels.

L. NUMBER REQUIREMENTS

1. All numbers and letters will be limited to three digits. If three digits are used, two shall be primary numbers. Numbers are required on roof, nose, rear deck and both doors.
2. All letters and numbers must be a minimum of 18" high on the roof and doors, and 8" high for the rear deck and nose. All numbers and letters must be equal in size and painted or decaled. (No taping)
3. All team cars must be clearly distinguishable from one another and use a different number or letter.

M. TRACK TIRE REQUIREMENTS

44 Left Front 44 Right Front
44 Left Rear 48 Right Rear

The specified Bridgeport Speedway track tire and pressure must be used in size and compound as specified.

N. TRANSMISSION REQUIREMENTS

1. No automatic transmissions allowed
2. No overdrive or under drive transmissions allowed.

O. REAR END REQUIREMENTS

1. Conventional quick-change type rear ends only
2. 8 inch 4/11 ring & pinion quick change rears allowed.
3. No Mini Quick change rears.
4. No lockers or 2-speed rears allowed
5. No 9" Ford rears allowed
6. No limited slip type rears ends or hubs allowed
7. No titanium or carbon fiber in drive line rotating assembly.
8. No aluminum drive shafts, yokes or crank drive flanges.

P. STARTER REQUIREMENTS

1. All cars must have a fully charged battery.
2. All cars must have a self-starter in good working condition.

Q. SHOCKS

1. Any type of shock.
2. External reservoirs not permitted

R. WHEELS

1. Aluminum or steel wheels allowed.
2. No carbon fiber wheels allowed.
3. Right front, right rear and left rear must be beadlock.

S. GENERAL

1. No titanium or carbon fiber.
2. No adjustments in car. (Brake bias okay)
3. Rear panard adjustments okay.

SPECIAL NOTES

1. On occasions situations may arise that are not in this rule package. All rulings and interpretations of rules included here in will be made by Bridgeport Management and/or Officials. All rulings and interpretations will be deemed final.
2. Bridgeport Speedway is a New Jersey race track and we due follow New Jersey motor vehicle racetrack regulations. (*Chapter 62*)

*www.state.nj.us/njsp/info/pdf/racing_regulation.pdf

SEALING OF CRATE MOTORS

- All Crate motors running at Bridgeport Speedway on a regular schedule must be sealed. (602,604 GM spec.& Ford motors)
- In the event of an unsealed motor from another track, finishing in the top 10. Motor will be teched at the end of the race. All necessary point will be checked at this time. If motor is legal, points and winnings will be awarded. If motor is found to be illegal, points will be taken away and no winnings will be paid.
- In the event of a motor being deemed illegal. The car owner must pay a \$500.00 fine before returning to Bridgeport Speedway.
- Unsealed motors will get 2 races before they have to be Bridgeport sealed.

- When sealing a used motor or a motor with seals from a track other than Bridgeport Speedway. It will be necessary to disassemble the motor for full inspection. After tech procedures have been completed you can reassemble the motor on the spot and tech official will seal the motor. The cost for sealing a used motor is \$250.00 unless the motor has Bridgeport seal already. (after Feb,28 2011)
- Bridgeport Speedway will not honor nor will it run FAST TRAK remanufactured sealed motors. The reason for this is because of the rebuilding process. The motors can be clearances and are not to factory specs. FAST TRAK sealed GM 602 factory motors will be honored. However they will still be teched at tracks discretion.

Standard sealing procedure for new Bridgeport Speedway motors.

Motors **MUST BE** purchased from a GM Goodwrench or a Ford dealer. The dealer must deliver the motor to the track from the dealer in the crate. Motor will be sealed and logged in. After motor is sealed racer pays a \$50.00 sealing Fee and picks motor up from the track. By doing it this way there is no questions of legality of motor.

Any question contact Woody Dryden
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