



Gresham Motorsports Park
26th Annual World Crown 300
November 13-15, 2009



Iceman Rules and Specifications Package

Disclaimer

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 specifications herein or impose any further restrictions that in his opinion do 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.

Sincerely,

The Management

Gresham Motorsports Park

Track Properties, LLC



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Rules and Specifications

Weight:

1. All specified weight requirements will be with gas, oil, water and driver after Qualifying.
2. Minimum total weight will be no less than 2800 lbs before the race.
3. Minimum right side weight will be no less than 1176 before the race.

Engine Options:

1. GM Crate motor part #88958602.
2. All sealing bolts must remain as installed from G M.
3. Removal of these bolts will result in Disqualification.
4. GM Crate motor must use 1.5 rocker arms.

Claim Rule for Crate Motor:

1. Only the top five drivers finishing a race or their owner may claim a crate motor.
2. The driver having their motor claimed must finish the race ahead of the driver claiming the engine.
3. The claim will be limited to only one car having their engine claimed.
4. The claim must be made within 10 minutes of the completion of the race.
5. The claim will be made with cash only.
6. The cost to claim a crate motor will be the current cost to replace the motor plus 100.00 pulling fee.
7. The fee must be paid to the director of competition.
8. Not included in the claim will be carburetor, water pump, distributor, clutch and pulleys.
9. A claim will not be accepted should officials determine that the claim is made on someone else's behalf or the fee is from more than one party.
10. Failure to pull a claimed motor will result in the driver forfeiting all money for the event.
11. The driver will be required to pay a fine before they are allowed to compete again.

Option for Built motor:

1. Maximum 362 ci.
2. GM, Ford and Chrysler cast iron small block only.
3. Deburring permitted.
4. No polishing permitted inside of block.
5. Oil return holes may be polished and have screen wire installed.
6. Solid lift cams permitted.
7. No roller cams or lifters permitted.
8. Wet sump oiling system only.
9. No dry sump permitted.
10. Engine stroke must remain stock +/- .010.

Cylinder Heads:

1. Cast iron Cylinder heads only.
2. High Compression heads permitted.
3. Maximum valve size Intake 1.94 Exhaust 1.60
4. No polishing, porting or matching of port permitted.
5. Vortex heads permitted but must have matching GM part numbers.

Rocker Arms:

1. Adjustable Aftermarket roller rocker arms permitted.
2. Screw in studs and guide plates permitted.
3. High performance springs and retainers permitted.
4. No titanium permitted.



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Intake Manifold:

1. Any cast iron or aluminum single carb Manifold permitted.
2. No polishing, porting, or matching of ports permitted.
3. All intakes must be approved by officials.

Exhaust:

1. Any single flange steel header permitted.
2. Exhaust must exit behind the driver and out the right side of the car.

Carburetor: (Note: Due to the quantity of 2 barrel late model engines available, 2 barrel late model engines are permitted in the Iceman Division with a 150 pound weight penalty. Cars must be built to all other rule specifications.)

1. Holley 2300 two barrel model # 7448 must be used for built motor option.
2. Venturi size will be no more than 1.19 and maintain throttle bore size pf 1.1/2.
3. No polishing, grinding or drilling of holes permitted in the body of the carb.
4. No painting or any other type of coating permitted inside or out side.
5. Choke and choke horn may be removed.
6. All screw holes must be permanently sealed.
7. Booster size or shape must not be altered in any manner.
8. Booster height must remain stock.
9. Venturi area must not be altered in any manner.
10. Casting ring must not be removed from the venturi.
11. Base plat must not be altered in any manner.
12. Stock butterflies must not be thinned or tapered.
13. One idle hole may be drilled in each butterfly.
14. Screw ends may be cut even with shafts but heads must remain unaltered.
15. Throttle shaft must remain unaltered.
16. Any attempt to pull air other than through the venturi is not permitted.

Crate Motor:

1. Holley 650 hp will be permitted.
2. Must remain unaltered.

Throttle Springs:

1. A minimum of two throttle springs will be required.
2. Throttle stops are highly recommended.

Carburetor Spacer Built motor:

1. Only one piece solid aluminum none adjustable spacer permitted.
2. Maximum 3/4" thick.
3. Only one paper gasket per side may be used not to exceed .065 thick.
4. Spacer must have two holes with openings cut perpendicular and matching the base plate.
5. The holes must be no larger than the base plate.
6. No tapering or beveling permitted.

Carburetor Spacer for Crate Motor:

1. Spacer must be made of solid aluminum.
2. Four hole or open hole spacer permitted.

Air Intake:

1. Air cleaner must not be removed at any time during the race or practice.
2. Only round paper dry element mm. 14 inch & Max. 16 inch in diameter.
3. With a maximum height of 5 inches must be used at all times.
4. Element may not be sprayed or soaked with any type of chemicals or liquid.



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5. All air must be filtered through the element.
6. Air cleaner housing must be made of metal type.
7. Top of housing must be solid with no holes.
8. It will be permitted to shield the front half of the air cleaner.
9. The shield must not be higher than the top of the element.
10. Top and bottom of the air cleaner housing must be of the same size.
11. A maximum of one inch from the filter to the lip of the housing will be permitted.
12. Cowl induction, air ducts or baffles will not be permitted.
13. An opening of 2 ½ x 20 inches will be permitted to be cut in the hood at the base of the windshield.

Engine Placement:

1. Measured from the center of the number one sparkplug to the center of the Upper ball joint.
2. GM 2 inches with 1/4 inch tolerance
3. Ford and Chrysler 4 inches with 1/4 inch tolerance.
4. Engine must be within one inch of the center of the frame.
5. Center of the crank shaft must be no lower than 10 inches from the ground 1/2 inch tolerance.

Transmission:

1. Must have OEM type with at least 2 forward and 1 reverse gear working.
2. No ranking drive, quick change or automatics permitted.

Clutch:

1. Multiple disc clutches permitted.
2. Minimum 5 1/2 diameter.
3. No carbon fiber clutches permitted.
4. Clutch housing assembly or bell housing may be made of steel or aluminum.

Spindles:

1. After market spindles permitted.
2. Homemade and ¾ ton spindles permitted must be made of steel.

Brakes:

1. Front and rear disc brakes mandatory.
2. Any caliper permitted.
3. Only cast steel rotors permitted.
4. Rotors must maintain a minimum thickness of ¾ inch.
5. Rotors cannot be drilled or slotted completely through.

Ignition:

1. Breaker less or dual point systems permitted.
2. Ignition boosters, racing coils and high performance wires permitted.
3. No magnetos or crank trigger systems permitted.
4. Alternators permitted.
5. Only one battery permitted with a maximum of 16 volts.
6. Must be mounted outside the driver's compartment.

Wheels:

1. Racing steel wheels only.
2. Maximum 10 inch wide.
3. Air bleeders are NOT permitted.
4. Car number must be on the wheels for impounding.



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Tires: (Compound TBD)

1. Tires must be purchased at the track.
2. Soaking or alteration of tires in any way is not permitted.
3. Any competitor found with altered tires will be disqualified immediately.

Fuel cell / system:

1. No electric fuel pumps permitted.
2. Manual block mounted pumps only.
3. Fuel cell mandatory.
4. Maximum of 22 gallons.
5. Minimum ground to cell clearance 9 inches.
6. All cells must be vented high on the left side.
7. No cooling of fuel or fuel cell permitted.

Fuel:

1. All competitors must use Sunoco 110 purple ONLY.
2. Fuel will be subject to tech at any time.

Shocks:

1. Racing shocks permitted.
2. One shock per wheel.
3. Adjustable shocks permitted.

Rear ends:

1. Quick change rear ends permitted.
2. No aluminum tubes permitted.
3. No independent rear suspension permitted.
4. No cambered rear ends permitted.
5. No Titanium axles permitted.

Starter:

1. All cars must start under their own power.
2. Aftermarket starters permitted.

Cooling System:

1. Aluminum water pumps and radiators permitted.
2. Electric fans permitted.
3. All cars must have a catch can or hose exiting at the base of the windshield.
4. No antifreeze permitted. Any coolant fluids other than water must be approved by Gresham Motorsports Park officials.
5. Any driver found using unapproved coolant must pay \$100.00 fine.

Springs:

1. Coil over springs permitted.
2. One spring per wheel.
3. Leaf springs permitted on rear only.

Body: (Note: All cars must have flat side quarter panels or they must add 150 pounds penalty.)

1. Flat sided dirt bodies permitted.
2. Must have plastic nose piece.
3. Maximum front over hand is 47 inches.
4. Must have fiberglass to cover top of roll cage.
5. Minimum roof height 47 inches.
6. Maximum quarter panel height 36 inches.



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7. Maximum rear over hang 46 inches.
8. Minimum window drivers side 14 inches.
9. Maximum body width and rear spoiler 77 inches.
10. Spoiler maximum of 8 inches of material.
11. Maximum of three forward braces.
12. Windshield must be no less than 1/8th inch thick Lexan.
13. Minimum ground clearance 4 inches.

Tread width:

1. Maximum of 66 inches.

Interior:

1. Cars interior must be complete and shield driver from the ground and engine Compartment and fuel cell area.
2. On-off switch must be located on the dash within easy access of driver as well as right and left window.
3. On-off must be clearly marked.
4. Quick release steering wheel is mandatory.
5. Must have a center pad. With the top most portion of the steering shaft padded.
6. All roll bars surrounding the driver must be padded.
7. A window net must be installed in the driver's window opening.
8. The net must be made of nylon with no less than one inch squares.
9. The net when closed must fit tight.
10. The net must use a quick release latch and be welded to the roll cage.
11. Rear view mirrors permitted inside the car only.

Frame:

1. Straight rail, perimeter and OEM frames permitted.
2. No chassis adjustments from inside the other than brakes.
3. Frame and roll cage must be inside the left front and left rear wheels.
4. Minimum ground clearance will be 4 inches.
5. Minimum wheel base will be 101 inches.

Roll cage:

1. Roll cage must be approved by officials.
2. Round steel tubing minimum of 1½ OD.
3. Minimum wall thickness of .090.
4. Roll cage will be of box type with front and rear cross bars.
5. A minimum of four bars in the left side door.
6. Must have a minimum of 1/16 plate from the third door bar to the frame.

Drive shaft:

1. Steel or aluminum drive shaft permitted.
2. Aluminum shafts must maintain a minimum OD of no less than 3 inches.
3. All shafts must be painted white with car number in black or red.
4. Minimum of one 360-degree loop must be installed no less than 1/8th steel.

Sway Bar:

1. The main body of the sway bar must be made of steel.
2. The ends may be attached using heims.
3. No sway bars permitted on rear end.