

GRAYS HARBOR RACEWAY 2008 HOBBY STOCK RULES

COMPETING MODELS & BODIES

1. Open to any 1960 current North American full size passenger car, no vans, pickups, convertibles or 4 wheel drives. Minimum wheelbase 101" Minimum weight 3,300 lbs with driver , at all times, no tolerance . No bolt on weight allowed, no titanium parts or components allowed.
2. All bodies must remain in stock location and height. Stock steel body panels only. Exceptions: After market front fenders, door skins, front noses and rear bumper covers allowed. Must be stock appearing. Rub rails allowed must be capped on both ends.
3. Front inner fender wells may be removed, wheel openings may be cut for tire clearance only. Hoods and deck lids may stripped, hood must be secure and have a minimum of three hood pins, and deck lid must have a minimum of two hood pins.
4. Rear spoiler allowed, if not OEM spoiler not to exceed 4 inches in height with 5 inches of material. Spoiler can be no wider than stock quarter panels.
5. Tow hooks front and rear are mandatory.
6. All cars must have stock firewalls. Drivers compartment from front firewall to rear firewall must be sealed from rest of car. All holes in the front and rear firewall must be sealed. Trunk floorpan and wheel wells may be removed.
7. All glass must be removed, windshield openings must be strapped with a minimum 1 1/4" straps or tech approved substitution.

FRAME AND SUSPENSION

1. All frames must be complete and retain OEM specifications and dimensions as manufactured.
2. All suspension components must be stock steel OEM for make and model. Stock OEM ball joints, no screw in type or Howe type ball joints allowed.
3. Aftermarket 5-inch springs allowed. Adjustable spring pockets or adjustable spacers allowed. No weight jacks allowed.
4. Rear leaf springs must be steel, adjustable rear shackles and lowering blocks allowed. No composite leaf springs allowed.
5. Must have stock sway bar mounted in stock location.
6. Stock, steel non adjustable, non take apart shocks permitted. Front shocks must mount in stock location with OEM mounts and fasteners. Rear shocks may have heim ends, but must mount in stock location.

BRAKES

1. Must have stock OEM operational four wheel brake system. .
2. Adjustable proportioning valve or brake biased adjusters will be allowed, may be located in drivers compartment.

REAR ENDS

1. Stock rear axle housing may be replaced by a Ford 9", floaters allowed. Must use stock mounting hardware and mount in stock location. Replacement OEM axles allowed and highly recommended.
2. Locked differentials allowed, mini spools, spools or welded only.

TRANSMISSIONS & CLUTCHES

1. Transmission must be OEM production , manual or automatic. **Transmissions may be lightened and first gear may be removed. All transmissions must have a reverse gear.**
2. Automatic transmissions must have a fully operational torque converter. Torque converter must be 10" or larger. No direct lockup transmissions allowed.
3. Stock OEM type clutch assemblies only, aftermarket pressure plate allowed , minimum 10 1/2" single disc clutch. Hydraulic throw out bearing allowed.
4. Stock OEM steel flywheels, no aluminum. Maybe lightened.
5. Transmission cooler and oil lines must be enclosed in a steel line if run through the drivers compartment.

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BELL HOUSING

1. An approved scattershield is highly recommended. .
2. If a scattershield is not used, all transmissions, manual and automatic must have a 180 degree coverage. With a minimum material to be 5/16 inch nylon web or 1/4 inch steel or blanket.

DRIVESHAFTS

1. One piece steel drive shafts only.
2. It is mandatory that two 1/4 inch x 1 1/2 inch steel drive shaft hoops, front and rear be installed in a safe manner. Chain may also be used.
3. All drive shafts must be painted white.

WHEELS AND LUGS

1. Only approved 15-inch diameter steel wheels with a maximum 8-inch rim width are permitted.
2. Wheel studs must protrude past lug nuts. 1-inch lug nuts mandatory, 5/8-inch wheel studs mandatory.
3. The use of bleeder valves is not permitted, one valve stem per wheel.

TIRES.

1. Hoosier 26.5/8.0-15 A-40 or Hoosier 27.5/8.0-15 A-40 tires only.
2. Tire softening or soaking is not permitted. Penalty for tire soaking, will be loss of points and money/fine and or suspension.

ENGINE REQUIREMENTS

1. All engine blocks and heads must be cast iron. **The GM Crate Engine part # 88958602 is optional. Tampering with the crate engine shall be subject to \$1000.00 fine, loss of all accumulated points & suspension for 1 year.**
2. Intake manifold may be cast iron 2-barrel or Edelbrock Performer aluminum intake, part #'s AMC #2131, Chevrolet #'s 2101, 2116 or 5001, Dodge #'s 2176 or 5076 and Ford #'s 2121, 2181, 5081.
3. All engines must be no father back so that the center of the forward spark plug hole on the left side of the engine is inline between the center line of the lower ball joint.
4. Stock unaltered Holley 350 2 barrel carburetor part # CT 7448, **no modifications except the removal of the choke plate, replacing jets, power valve, squirter nozzle size, and vacuum diaphragm spring size. Absolutely no other modifications will be allowed.** Carburetor adapter is allowed. The maximum thickness of the adapter is 1-inch. Only 2 paper gaskets (1 per side) maximum thickness .065. No additional air holes in the adapter allowed. Must have two (2) throttle return springs. **Exception: GM Crate Engine PN # 88958602 may use a box stock Holley 650 CFM 80541-1 Holley Carburetor. The only modifications or alterations allowed will be the removal of the choke plate, replacing jets, power valve, squirter nozzle size, and vacuum diaphragm spring size. Absolutely no other modifications will be allowed.**
5. Cars must run an air cleaner at all times.
6. No holes, tubes, funnels or any device which may control or redirect the flow of air, is permitted inside the air cleaner or between the air cleaner or carburetor.

IGNITION AND BATTERY

1. MSD ignitions allowed, no magnetos allowed. Crate Engine must use stock HEI that comes with the engine.
2. Battery must be mounted in a sealed, covered and vented battery box that is located in a safe manner with protection for the driver and others.
3. All electrical switches must be located within easy reach of the driver.
4. A labeled on/off master switch is required, and must be connected to the battery cable in such manner that would cut all electrical power to the car and be located in the drivers compartment so that it is accessible from both sides of the car.

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EXHAUST MANIFOLDS

1. Stock cast iron exhaust manifolds only , must run duel exhaust. No two into one exhaust systems allowed.
2. Mufflers mandatory, exhaust must extend past the drivers compartment.

RADIATOR

1. Radiator must be stock appearing and remain in stock position.
2. Aluminum radiators are permitted.
3. A fan shroud must be installed if using a steel fan.
4. An overflow catch can (one gallon minimum) connected to the radiator overflow is mandatory. No antifreeze allowed.

ROLL CAGE AND PERSONAL SAFETY EQUIPMENT

GENERAL SAFETY

For all safety devices it is the responsibility of the driver, not Grays Harbor Raceway, its officers, or its agents to ensure his/her safety device systems are correctly installed, maintained, and properly used at all times.

As with safety items, Grays Harbor Raceway strongly recommends that the driver fully study all manufacture's installation and usage guidelines and adhere to these recommendations to the highest extent possible.

ROLL CAGE

1. Cars must be equipped with a full four point or better roll cage. Roll cage material must be a minimum of 1-1/2-inch to 1-3/4-inch maximum roll bar tubing of .090 wall thickness or 1.66 OD Black steel pipe of .120 wall thickness.
2. All welds on main cage must be gusseted.
3. Main cage must be welded directly to the frame in full frame vehicles or be welded to a 6-inch by 6-inch by 1/4-inch steel plate that is welded to the floor pan.
4. **All roll cages must be full perimeter cages. Main roll cage hoop cannot be any further back than the striker plate, no offset roll cages allowed. No straight rail frame cars allowed. No offset cages allowed. Cage must have a minimum of four door bars on drivers and passenger sides, door bars must follow contour of door. It is highly recommended that the door bars be plated with 1/8" steel or aluminum on the outside of the door bars covering 2/3's of the door.** One dash bar across the front of the roll cage, two vertical door support bars on each door, two horizontal bars behind the seat, one diagonal bar behind the seat from the top corner of the cage to the opposite bottom of the cage and two bars from the top of the main hoop down to the rear frame or trunk floor.
5. Front hoop allowed.

FUEL CELL AND FUEL LINE

1. Fuel cell shall be securely mounted behind rear axle in the trunk area as far forward as possible.
2. Fuel cell must be minimum of 10-inches off the ground at all times.
3. A steel framework, welded to the frame rails, must be used to mount the fuel cell. The frame work must be fabricated from a minimum of 1"x 1" .083 square tubing.
4. Two straps longwise and two straps crosswise across the top of the fuel cell. The material for these straps must be a minimum 1"x 1" .083 square tubing or 1-1/2" x 1/8" steel strapping.
5. Fuel cells must be bolted to the framework.
6. A fuel cell protector bar made from a minimum of 1-1/4" x .090 steel tubing is required. The fuel cell protector bar must attach to the frame rails and extend down below the fuel cell with a center bar that attaches to the rear frame cross member.
7. Fuel lines must be enclosed in a protected conduit (steel tubing), if run through the drivers compartment.
8. No electric fuel pumps allowed.
9. Only OEM type mechanically driven fuel pump allowed. Fuel pump must mount in stock location.
10. Glass fuel filters are not permitted.

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PROTECTIVE

1. It is recommended that at all times, the driver wear a driving suit and gloves of fire resistant material that effectively covers the body, as well as fire resistant shoes, socks, head sock and underwear. Drivers suits with rips, tears and holes will not be permitted.
2. It is recommended that the driver's suit be the best quality fire protection available.

FIRE CONTROL

1. Any car not equipped with a built-in fire suppression system must have a fully charged fire extinguisher, a Halon, or equivalent at least 10-BC UL rating, with an operating pressure gauge, mounted to the right side of the driver's seat, and readily accessible for use.
2. All entrants should have a fully charged 10-lb Halon 1211, Haltron-1 or equivalent fully charged fire extinguisher in their pit area.

HELEMTS, HEAD & NECK RESTRAINTS

1. Recommend that drivers should wear a helmet carrying a least a valid SA 2000 standard Snell and/or SFI 31.1 or 31.2 sticker. M rated helmets will not be permitted.
2. Full face helmets with Lexan face shield recommended. Nomex helmet skirt and Nomex covered chinstrap recommended.
3. It is recommended that all drivers wear a neck and head restraint system.

SEAT BELTS

1. It is highly recommended that the driver carefully study the seat belt manufacturers installation.
2. All seat belts must be a complete matching set from the manufacturer.
3. A Quick Release seatbelt no less than 3-inches in width is compulsory. Both ends of the lap belt must be fastened to the roll cage with high quality bolts, not less than 3/8-inch in diameter..
4. Shoulder harness must be no less than 3-inches in width and must come from behind and below the top of the driver's seat. Where the harness crosses the roll cage, it must bypass through a steel guide welded to the cage in a manner that will prevent the harness from sliding side to side. No inertia reels are permitted.
5. A center crotch belt must be used. It must be a minimum of 2-inches wide and mount to the roll cage seat mount.
6. Where the belts pass through the seat edges the edge must have a grommet or be rolled so as to prevent the belt from being cut.
7. All belts must connect in a single latch, at the lap belt. Latch must be approved quick release type.
8. Belts must be replaced every (5) years and all belts must be dated by the manufacturer.

SEATS

1. A professional racing seat is required. Approved seat must be made of aluminum and manufactured specifically for auto racing.
2. Seat must be mounted with a minimum of 3/8-inch grade 5 bolts. Two bolts must be located at the front of the seat and two on bottom rear.
3. It is recommended that the seat also offer rib protection and have leg extensions.
4. Headrests recommended on both sides.
5. No fiberglass, plastic, or homemade seats permitted.

WINDOW NET

1. A window net is mandatory, rib style or mesh is allowed. The net must be permanently mounted at the bottom and have an approved quick release at the top.
2. Window net must be within five years of manufacture date.
3. Window net must have manufacture date and tag or it will not be permitted.

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APPEARANCE & NUMBERS

1. All cars must be bright in a appearance with contrasting numbers. Numbers must be least 18-inches high and 3-inches wide and be legible from sides of car and roof. Roof numbers to be read from the passenger side of the car.
2. Numbers will only be issued by Grays Harbor Raceway. Call the office to confirm your number. There will be no duplicate numbers, any driver competing in the previous season will have until the third race to reserve their number before it will go back into the system.

Any part or equipment found during an inspection or any other time, that does not meet applicable Grays Harbor Raceway standards must be surrendered to GHR Tech Officials at that time, and will not be returned. Failing to not give up the part or parts will result in a fine, and/or loss of points and/or suspension.

Grays Harbor Raceway Officials reserve the right to make final decisions in the interpretation of any rules or race procedures at any time. No equipment will be considered as having been approved by reason of passing through inspection, GHR Officials recommend that you carefully study the Grays Harbor Raceway rulebook in order to be familiar with all aspects of racing. If you are considering a part, modification or procedure not covered in these rules, contact Grays Harbor Raceway Tech Official before proceeding with any purchases or modifications. If you have any questions regarding the rules set forth, contact the Grays Harbor Raceway Tech Official.

In keeping with Grays Harbor Raceway's commitment to maintaining proper balance in the competition arena, it may be necessary for Grays Harbor Raceway to make rule changes and/or rule modifications from time to time. Such changes are designed to enhance close competition. Grays Harbor Raceway's goal of a full starting field of various makes in each race, that are equally as matched as possible, is certainly in the best overall interest of the sport.