



# 2020 HERMISTON RACEWAY

## LATE MODEL DIVISION RULES

### RULES INTERPRETATION:

#### **IF IT DOESN'T SAY YOU CAN, YOU CAN'T**

ANY CAR OR EQUIPMENT THAT THE OFFICIALS, BOARD MEMBERS, AND DIRECTORS CONSIDERED EXOTIC OR NOT IN THE BEST INTEREST OF THE TRACK WILL BE CONSIDERED ILLEGAL FOR COMPETITION. IN THE INTEREST OF FAIRNESS, THE RULES MAY BE ADJUSTED TO CREATE A BALANCE OF COMPETITION. IF NEEDED, FOR COMPETITION PURPOSES THE TRACK CAN MAKE A DECISION TO ADD WEIGHT TO ANY CAR PRIOR TO ENTERING A COMPETITION

1. SAFETY - It is recommended that each car have, within driver's reach, built-in fire extinguishing equipment containing Halon 1211 or equivalent. Dry powder is not permitted. Any car that is not equipped with a built-in fire extinguisher must have an adequate fire extinguisher securely mounted within reach of the driver. The fire extinguisher may be secured to the roll bars or mounted on the left side door area. All teams should have in their garage or pit area as part of their equipment, a fully charged min 10-pound fire extinguisher.

a. ELECTRICAL CUT-OFF SWITCH: All cars must be equipped with a master cut-off switch. The cut-off switch must completely disconnect electrical power and must be clearly marked with an "ON-OFF" decal.

b. SEAT BELTS AND SHOULDER HARNESS

A quick release lap belt of no less than 3" wide unless using head restraint 2" wide is required. Where the belt passes through the seat edges, it must have a grommet installed, be rolled and/or padded to prevent cutting.

Seat belts must be dated by the manufacturer and must not be used beyond five years after the manufacture date. Recommend replacement after two years.

It is recommended that HANS specific seat belts be used with HANS device.

c. WINDOW NET A nylon window screen is mandatory. It must be fastened to the roll cage top bar and highest driver's door bar on the cage. Window net must be rib type made from 1" wide nylon material with a maximum of 1 3/4" square between the ribs. All window net mounts must be welded to the roll cage and release from the top.

d. DRIVING SUITS must be worn at all times when the car is on the racing surface. Must be clean and without holes. SNELL 2005 or higher rated helmet only

2. COMMUNICATIONS - One or two-Radios are required for use in this class at all times when the car is on the racing surface.

3. BODY REQUIREMENTS – Bodies must be ABC stock appearing fiberglass. All bodies must maintain original dimensions. Must be installed in a professional manner and meet manufacturer's guidelines. AR Bodies Muscle Car Bodies are legal.

a. Minimum 47" roof height required, measured 10" back from the top edge of the front windshield. Maximum 36" quarter panel height at rear of panel. Maximum 15" ground clearance at rear quarter panels and rear bumper cover. The nose must maintain stock shape. All body measurements must be within 1 inch of manufacturer's specifications.

b. The outside of the front nose can be a maximum of 1.5" past the outside of the front tires.

- c. The hood must fit in original position and maintain the original configuration. The hood must have a minimum of 4 hood pins.
  - d. Rear spoiler height may not exceed six and one half (6.5) inches, measured from any point along the deck lid to top of spoilers on all cars. Rear spoiler may be a maximum of sixty (60) inches wide on all cars.
  - e. No streamlining allowed, no under and/or belly pans permitted.
  - f. The rear bumper cover may not be altered, modified or drilled.
  - g. Exterior Nerf bars or any other type of external supporting devices are not permitted. Lexan number protectors okay.
  - h. Interior of the car must be totally isolated from the engine compartment and fuel cell with firewalls. All holes must be sealed.
  - i. Front and Rear Fenders will not exceed 1-inch flare from outside of tire.
4. WINDOWS - A windshield made of clear safety glass or Lexan must be used. Each car must have a rear window made of clear safety glass or Lexan. Rear windows must be flat and not dished from roof to deck lid.
- a. Recommended to have 3 vertical braces inside the windshield spaced at least 6" apart.
  - b. No windows in driver's door or passenger's door; window wings okay.

#### 5. HEIGHT, CHASSIS DIMENSIONS

- a. Minimum wheelbase permitted is 101 inches.
- b. Maximum tread width is 69".
- c. Added lead weight must be painted white and must have car number clearly visible on each piece. Lead must not hang below your frame.

#### 6. BASE WEIGHT and ENGINE REQUIREMENTS - These weight advantages/penalties may be adjusted at any time in the interest of fair competition.

- a. All cars 58% left side weight.
- b. GM 604 crate. 2700 lbs. 6400 chip
- c. Ford D347sr crate. 2700 lbs. 6400 chip
- d. SLS Edelbrock Dual Plane / Steel head 2800 lbs. (Manifold to be untouched, out of box)
- e. Open motors, 2850 lbs.
- f. Maximum 1" spacer on all motors.
- g. Wet sump motors -50 lbs. other than "crate"

**Note: All crate engines must be pre-approved by the Technical Director. Sealed crate engine rule: The GM 604 and Ford D347SR crate engine car weighs 2,700 lbs. The Technical Director at any time may request for the motor to be resealed by Cope Brothers (253)531-1776. Rebuilt engines must use all factory unaltered parts unless otherwise noted. Aftermarket rods of equal dimension and weight will be allowed. No aftermarket harmonic balancers allowed. It is mandatory for all crate engines to use a tool legal 650 CFM Holley.**

**Note: Any motor that does not fit these rules may have weights adjusted to the car.**

**h. The Technical Director reserves the right to inspect or have an independent engine builder inspect and test any competitors crate engine at any time.**

**i. Any team found to have tampered with any engine seals will be subject to disqualification from the event, and/or other penalties issued from the Technical Director. Any seals that, in the judgment of the Technical Director, have**

been tampered with and/or altered will result in the engine being declared ineligible for competition at the crate weight rule. If the GM sealed 604 Crate, or the sealed Ford D347SR engines are found to be 5% above its factory rated 400 hp (5% = 420 hp), or its factory rated 400 ft lbs of torque (5% = 420 ft lbs of torque), will result in the engine being declared a non-crate and will run with the "open motor weight rule".

j. Minimum clutch diameter of 5.5 inches. No ceramic clutches.

7. AIR CLEANERS AND FILTERS - Air must enter the filter housing in an even and consistent manner without obstruction. HR reserves the right to impound all air filters at any time. Air filter housing must be round and made of metal, fiberglass, or carbon fiber. No alteration of air flow in air cleaners is permitted.

8. ENGINE LOCATION AND MOUNTS - The engine must be properly fit between the frame rails within one inch of center line and have a crank height of 10" from center of crank to ground.

a. Engine setback is measured from the most forward spark plug hole to the connecting line of the center of the upper ball joint.

i. Chevy motors will have a 3-inch set back.

ii. Ford & Dodge motors may have up to a 4-inch set back.

9. ELECTRICAL SYSTEM - Electronic distributors, single or dual breaker points or any camshaft driven type distributors are permitted. Magnetos, crank trigger, optically triggered or computerized systems are not permitted. Traction control devices, electrical or otherwise, are not permitted. Batteries must be securely mounted within the confines of the body. Batteries must not be located in the driver's compartment. Dry cell batteries are not required but are recommended. Maximum of (2) ignition boxes are permitted, both ignition must be functional and controlled by a switching device.

#### 10. ENGINE COOLING SYSTEM

a. Radiators must be stock appearing and remain in the stock location.

b. Anti-freeze is not permitted for use in the cooling system.

c. Water pump must be mechanically driven, must be located in the stock location.

11. ENGINE EXHAUST SYSTEMS - If exhaust pipes exit out the passenger side of the car, there cannot be any sharp edges. Must be flush with doors

a. 5" maximum

12. DRIVE TRAIN - Any aftermarket or OEM, manual or automatic shift transmission may be used. Transmissions with enclosed clutches are permitted. Transmission must have a functional forward gear and reverse gear. The pressure plates and discs must be made of magnetic steel only. Aftermarket scatter shields are recommended. Flywheel must be constructed of aluminum or steel. Drive shafts must be painted white.

13. REAR ENDS – Full floater rear ends are required. Quick change rear ends are permitted. Cambered rear ends are permitted.

14. FRAMES and WEIGHTS - Full tube frames or stock stub frames are permitted.

a. Perimeter style chassis. -50 lbs. Right side frame rail kickout must measure more than 5".

b. Stock Stub -50lbs. Stock frame must be a minimum of 18" to include the crossmember and spring pockets.

C. straight-rail, chassis are permitted.

Note: No lightning holes permitted in mainframe. A maximum weight advantage on any chassis is -75 lbs.

15. SUSPENSION - Independent rear suspension is not permitted. Independent front suspension is required. Minimum coil over spring diameter is 2 1/2". Minimum big spring diameter is 4 3/4".

a. It is mandatory to have one shock per wheel.

b. It is mandatory to have one spring per wheel.

c. Static weight jacking devices are permitted. No weight may be moved while car is in motion.

16. STEERING COMPONENTS - Quick release steering wheels are required. All steering wheels must have a minimum 2" thick pad in the center.

17. BRAKES - 4 wheel disc brakes with magnetic steel, non-coated rotors are required. Brake bias valves are permitted. Aftermarket calipers are permitted. Brakes must be functional at each wheel during competition.

18. FUEL SYSTEM - All cars must be equipped with an approved fuel cell, securely mounted in the trunk area as far forward as possible. Fuel cell must have a ground clearance of 8" to the box. Fuel cell must be mounted with steel framework (1 inch x 1 inch, .065 inch minimum) and attached with a minimum of 4, 1/2" bolts to the frame rails. Glass fuel filters, electric fuel pumps and belt driven fuel pumps are not permitted. Fuel lines may not enter driver's compartment.

19. TIRES AND WHEELS - Magnetic steel, 15" by 10" racing wheels are required. The track specified left-side tire is 3035 and right-side tire is 3045. The tire limit will be 8 tires for the first event and 4 tires every event following. They will be sold at the track with the ability to mount them.

The tech official has the final say in the interpretation of these rules. The tech officials reserve the right to change or adjust these rules for safety or competition at any time. Build your car for the rules not around them.