

Bear Ridge Speedway 2022 Ridge Runner Four-Six Cylinder Rules

REFER TO TRACK GENERAL RULES FOR NON-DIVISION SPECIFIC RULES

Any 4 or 6-Cylinder front or rear wheel drive car with a maximum wheelbase of 110" is eligible to compete. Pick-ups are allowed---No 4x4's or vehicles with rear steer.

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General rules

BODY:

- ☒ Cars must be neat in appearance. Bodies may be cut and trimmed for clearances only.
- ☒ All holes in the firewall and floors will need to be covered with tin or metal. If running a fuel cell a firewall is required between it and the driver.
- ☒ Must remove stock latch mechanism from hood and trunk and use hood pins. Minimum 2 pins per panel.
- ☒ All doors must be welded or chained shut to the satisfaction of the tech.
- ☒ Front and rear bumper covers need be in place.
- ☒ Front and rear tow chains are required and need to be strong enough to tow your vehicle in the even that it becomes disabled on the track. Min. 5/16 chain or 3/8 cable.
- ☒ Body must be stock in appearance to the original vehicle, with no chopping, channeling or sectioning allowed. Aftermarket bodies may be used in place of factory panels as long as they are securely fastened and not larger than factory stock bodies.
- ☒ Body must be complete with all doors, fenders quarter panels, hood, trunk and roof as well as both bumpers.
- ☒ Bumpers must be capped on the ends to prevent bumpers from hooking together and no wider than the track of the car.
- ☒ Dash may be removed and/or covered with tin/aluminum.
- ☒ Any vehicle with a sunroof needs to remove it and cover with steel.
- ☒ NO MIRRORS NO MIRRORS NO MIRRORS NO MIRRORS

BRAKES:

- ☒ Stock four-wheel brakes in good working order are MANDATORY!
- ☒ No shut-off's, adjustable bias valves or traction control devices.
- ☒ Brake and gas pedals must remain in stock location.

CHASSIS:

- ☒ Unibody cars may install sub frame connectors.

REAREND:

- ☒ Stock – unaltered rear end for that year make and model. Safety hubs allowed.

ROLL CAGE:

- ☒ 1 1/2' round tubing minimum full cage mandatory must be safe
- ☒ All welds must be properly gusseted of no less than .095" thick. No pipe fittings allowed.
- ☒ All metal in driver's door bars and roll bars in the driver's area must be properly padded and taped.
- ☒ No offset cages.
- ☒ Unibody will be welded to a steel 8x8" of 3/16" minimum plate which is formed & bolted or welded to the floor pan.
- ☒ Cage shall be braced to the rear frame kick-ups and diagonally between the rear uprights.
- ☒ Minimum 3" clearance recommended between top of driver's helmet and bottom of overhead roll bars.
- ☒ Rear Hoop One (1) Only - Must run inside of car - NO Outside Bars
- ☒ May run hoop in front of radiator for radiator support.

SUSPENSION:

- ☒ All suspension components must remain in stock location.
- ☒ NO jack bolts allowed
- ☒ Stock or stock replacement shocks only, no high performance or racing shocks/struts, no adjustable shocks/struts.
- ☒ Any factory stock or non-racing spring allowed. No Coilovers.
- ☒ Spring rubbers and bump stops allowed.
- ☒ No chaining of suspension
- ☒ NO Leaf springs allowed.

SAFETY:

- Ⓜ Battery must be securely mounted with a cover in a safe location.
- Ⓜ Driver's door must be welded or chained shut. Driver side doorplates are mandatory.
- Ⓜ Approved helmets (Snell 95 or better), race type seat belts (4- or 5-point harness minimum); under no circumstances can belts be installed with bolts through webbing.
- Ⓜ A fire suit and gloves are MANDATORY.
- Ⓜ Neck braces are **STRONGLY** recommended but not mandatory.
- Ⓜ Window net with quick release mounting, properly installed in the left front window opening, is MANDATORY.
- Ⓜ Windshield screen is MANDATORY if windshield is removed.
- Ⓜ Fire extinguisher in driver's cockpit and in reach of driver is MANDATORY.
- Ⓜ All glass, chrome, hard plastic, must be removed, including taillights, markers, and mirrors. To compete, cars must be cleaned out from any loose material, broken glass, etc.
- Ⓜ There should be no sharp edges left from trimming of metal or removal of glass.
- Ⓜ Exhaust must pass beyond driver's seat and dump under the car. No exhaust is to run in/through the driver compartment.

Front Wheel specific rules

ENGINE:

- Ⓜ Stock carburetor / fuel injection system for that make and model only.
- Ⓜ All engine components to remain stock untouched for year, make and model. No aftermarket high performance parts whatsoever.
- Ⓜ OEM production parts for year, make and model only. No engine modifications allowed.
- Ⓜ No Rotary engine, rear engine, turbos or superchargers.
- Ⓜ No ram air intakes. Aftermarket intakes allowed with cone K&N style filter allowed.
- Ⓜ No cowl induction air cleaners or cold air intakes.
- Ⓜ Ignition system must be stock OEM.

TRANSMISSION:

- Ⓜ Transmissions may be locked, welded or have factory limited slip.
- Ⓜ All forward and reverse gears should be in working order.
- Ⓜ Stock clutch and flywheel. No lightweight aluminum racing clutches/Flywheels.

GAS TANK:

- Ⓜ Gas Tank – If the stock gas tank is located ahead of the rear axle, it may remain in place. If the stock gas tank is behind the rear axle, you must replace it with a fuel cell (max. of 8.0 gallons). Fuel cell must be covered, secured and located in the trunk. Trunk must be completely sealed – fire wall between trunk and driver's compartment must be complete with no holes. NO gas tank/fuel cell located in the driver's compartment ever – No exceptions.

WHEELS AND TIRES:

- Ⓜ No racing tires, DOT approved racing tires, or studded tires of any kind.
- Ⓜ Passenger tires only.
- Ⓜ Aluminum and or Racing wheels allowed. Maximum 7" wide. Absolutely no Beadlocks.
- Ⓜ No tires to protrude outside of body.
- Ⓜ May reinforce the Right front wheel only if running stock steel wheels.
- Ⓜ All 4 wheels need to be same diameter. Ie: all 4 wheels/rims need to be 13", 14", 15", or 16" tires may be different size for stagger. BUT MUST remain in the SAME SERIES. ie: 65 series, 70 series, 75 series, etc. No exceptions

WEIGHT:

- Ⓜ Minimum weight 2400 with driver
- Ⓜ 6-cylinder cars Minimum weight 2600 with driver

Rear Wheel specific rules

ENGINES:

- ☞ Factory show stock for make and model of car.
- ☞ No turbo's, superchargers, or rotary powered cars.
- ☞ All cars with electric fuel pump must have a shut off switch clearly marked "ON" and "OFF".
- ☞ Any 2-barrel allowed **350 CFM MAX**
- ☞ 1" adapter plate allowed.
- ☞ Stock type ignition only.
- ☞ Starter must be working.
- ☞ Stock clutch and flywheel must weigh a minimum of 30 lbs.
- ☞ Max over bore .060.
- ☞ Crankshaft must maintain stock stroke.
- ☞ Max valve lift. .450 measured at valve. Aftermarket timing gears allowed.
- ☞ Any 4 into 1 collector header allowed. NO TRI Y headers or merge collectors allowed.
- ☞ Must be stock production OEM heads allowed. No aftermarket or racing aluminum heads allowed.

Rearend:

- ☞ May be locked, welded or factory limited slip.
- ☞ No quick change rearends, factory stock production only.

FUEL CELL:

- ☞ Fuel cell mandatory, must have foam and flapper under cap
- ☞ Cells must be securely mounted.
- ☞ Any fuel lines running through the driver's compartment must be in steel conduit.
- ☞ Cars with electric fuel pump (stock only) must be tied into ignition switch and be marked.

WHEELS AND TIRES:

- ☞ Stock steel or aftermarket steel allowed. 1" lug nuts mandatory on all wheels
- ☞ Street legal D.O.T. steel belted radial tires only; Max tread width 8". All season tires only. BUT MUST remain in the SAME SERIES. ie: 65 series, 70 series, 75 series, etc. No exceptions

WEIGHT:

- ☞ Minimum weight 2400 with driver

Inspection & Additional Info:

- ☞ All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare and keep their car free of defects and in safe racing condition.
- ☞ The use of a scanner or RaceCeiver is MANDATORY
- ☞ NO Two-way radios of any kind. You will be disqualified if found using any such device!!
- ☞ Any car that is overly dominant is subject to a weight penalty.

ALL DIVISIONS COMPETING AT BRS WILL BE REQUIRED TO RUN A TRANSPONDER IN 2020.

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