

Bear Ridge Speedway 2022 Ridge Runner (4/6 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" and a complete stock engine, frame and suspension. No 4X4's – Pick-ups allowed

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General rules

BODY:

- ☞ Cars must be neat in appearance. Bodies may be cut and trimmed for clearances only.
- ☞ Full stock front and rear fire walls in stock locations. Complete firewall between fuel cell and driver's compartment required.
 - ☐ All holes in the firewall and floor pan must be covered.
- ☞ Hood pins allowed
- ☞ All doors must be welded shut to the satisfaction of the tech. ☞ Front and rear bumper covers must be in place
- ☞ Front and rear tow chains are **REQUIRED.**
- ☞ Body must be stock in appearance to the original vehicle, with no chopping, channeling or sectioning allowed.
- ☞ 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, steering, and panels must remain stock for that make and model.
- ☞ NO MIRRORS NO MIRRORS NO MIRRORS NO MIRRORS

BRAKES:

- ☞ Stock four-wheel brakes in good working order are MANDATORY.
- ☞ Brake and gas pedals must remain in stock location.

CHASSIS:

- ☞ All suspension and frame components must be stock for the year, make and model of the car. No modification of stock suspension locating points allowed.
- ☞ Unibody cars may install sub frame connectors.

REAR END:

- ☞ Stock – unaltered rear end for that year make and model.

ROLL CAGE:

- ☞ 1 ½' round tubing 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
- ☞ No racing springs or racing shock absorbers allowed.
- ☞ NO Leaf springs allowed.

TRANSMISSION:

- ☞ Stock transmission for that make and model only.

WHEELS AND TIRES:

Front and Rear Wheel Drive

All Tires must remain the same size-series

- ☞ DOT approved STREET LEGAL radial tires
- ☞ MUST BE SAME SERIES ALL FOUR CORNERS

□ (Example: 185-75R15 - 235-75R15 or 165-55R14 – 245-55R14)

- ⌘ SERIES OF TIRES MUST BE THE SAME ON ALL 4 CORNERS ALL TIRES MUST BE SAME DIAMETER
- ⌘ All-season or Summer tires allowed
- ⌘ NO SNOW TIRES OR STUDED TIRES
- ⌘ Wheels see specific rules under front and rear wheel specifications.

SAFETY:

- ⌘ Battery must be securely mounted with a cover.
- ⌘ 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 HIGHLY 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 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.
- ⌘ Driver floor pan must be complete. No holes. Exhaust must pass driver's compartment and then exit to the rear of the car.
- ⌘ Cars must have a 5/16" chain or hook front & rear for wrecker hook up.

Inspection:

- ⌘ All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car free of defects and in safe racing conditions.
- ⌘ The use of scanner or Raceceiver is MANDATORY
- ⌘ ANY CAR THAT IS DOMINANT WILL BE SUBJECT TO A WEIGHT PENALTY

THE ONLY AFTERMARKET EQUIPMENT WHICH MAY BE PURCHASED:

- ⌘ Safety belts (mandatory); aluminum racing seat (mandatory); roll cage (mandatory); window net (mandatory) fuel cell; oil and water gauges.

Front Wheel specific rules

ENGINE:

- ⌘ All insulation under the hood must be removed.
- ⌘ Stock carburetor / fuel injection system for that make and model only.
- ⌘ Battery must remain in stock location and covered – No exceptions.
- ⌘ 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.
- ⌘ Radiator must be stock or stock replacement and in stock location.
- ⌘ Must use air cleaner with stock filter element in stock position. Two throttle return springs are mandatory. No Performance Filters allowed. K&N filter is only non-stock filter allowed.
- ⌘ No ram air intakes.
- ⌘ No cowl induction air cleaners.
- ⌘ Ignition system must be stock OEM.

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 may replace it with a fuel cell (max. of 12 gallons). Fuel cell must be 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 may be located in the driver's compartment – No exceptions.

WHEELS AND TIRES:

- ⌘ Stock wheel only with a maximum width of 6" inside bead to bead. – No Exceptions.
- ⌘ Tires see under general above

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.
- ⌘ Must be stock production OEM heads allowed. No aftermarket or racing aluminum heads allowed.

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
- ⌘ Tires see under general above.

WEIGHT:

- ⌘ Minimum weight 2400 with driver

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

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