

# Bear Ridge Speedway 2025 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 or pick up with a maximum wheelbase of 110" and a complete stock engine, frame and suspension. *No 4X4* Pick-ups allowed

### General rules

#### BODY:

- ⌘ VIN NUMBER REQUIRED
- ⌘ 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.
- ⌘ NO OUTSIDE RUB RAILS WILL BE PERMITTED.
- ⌘ 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.

#### REAREND:

- ⌘ 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.
- ⌘ ONLY one (1) spring rubber allowed per car

#### TRANSMISSION:

- ⌘ Stock transmission for that make and model and year only.

FACTORY L.S.D. will be permitted for make and model only.

## WHEELS AND TIRES:

- ⌘ **Front and Rear Wheel Drive**
  - Stock or aftermarket steel wheel only with a *maximum width* of 7" inside bead to bead. No outside beadlock wheels allowed. – No Exceptions.
- ⌘ 3 to 4 inch back space only on aftermarket wheels – steel only. 1inch lug nut mandatory – No Exceptions
  - All Tires must remain the same 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

## SAFETY:

- ⌘ Battery must be securely mounted with a cover.
- ⌘ Driver's door must be welded or chained shut.
- ⌘ Approved helmets (Snell 95 or better), or D.O.T. approved helmet, 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 screens are MANDATORY if windshield is removed.
  - Riveted or bolted NO Machine Screws
- ⌘ 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, cable, 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, wheels, and water gauges.

## **Front Wheel specific rules**

### ENGINE:

- ⌘ All insulation under the hood must be removed.
- ⌘ Stock carburetor/fuel injection system for that make, model, and year of car only.
- ⌘ ALL ENGINE PARTS MUST MATCH THE ENGINE YOU ARE RUNNING.
- ⌘ All engine components to remain stock untouched for year, make and model. No aftermarket high performance parts whatsoever.
  - Aftermarket header allowed must be same size. 2" inside tail pipes MAXIMUM
  - Stock exhaust must have 02 port sensor hole
  - No stainless steel headers allowed
- ⌘ MAXIMUM R.P.M. AS PER YOUR MAKE AND MODEL OF ENGINE. THIS WILL BE CHECKED.
- ⌘ MAXIMUM COMPRESSION AS PER YOUR MAKE AND MODEL OF ENGINE. THIS WILL BE CHECKED.
- ⌘ 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.
- ⌘ 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:

- ⌘ 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.
  - Roll over vent tube MANDATORY. Flapper Valve under gas cap MANDATORY.
  - NO gas tank/fuel cell may be located in the driver's compartment – No exceptions.

## WEIGHT:

- ⌘ Cars with a working O.S.B. Port MUST weigh 2500 lbs
- ⌘ Cars without a working O.S.B. Port MUST weigh 2700 lbs

## FRONTEND:

- ⌘ NO WELDED Front Axle Permitted. NO EXCEPTIONS
- ⌘ Stock LSD per car manufacture permitted.

## **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

### WEIGHT:

- ⌘ Minimum weight 2400 with driver

### AXLE:

- ⌘ REAR Wheel drive cars can be welded

## **THESE RULES SUPERSEDE ALL PREVIOUS RULES FOR THIS DIVISION NO EXCEPTIONS.**

### **IN OTHER WORDS: WHAT YOU RAN LAST YEAR MAY NOT BE LEGAL THIS YEAR!!!**

#### **ALL DIVISIONS COMPETING AT BRS WILL BE REQUIRED TO RUN A TRANSPONDER IN 2025.**

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Updated/effective 12/20/2024