



## 2021 HERMISTON RACEWAY

# MINI STOCK 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 decide to add weight to any car prior to entering a competition.

**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. If not using HANS, a neck brace is highly recommended

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 fire retardant and clean and without holes.

- Drivers door must be welded or chained shut. Doors must contain a hinged metal door for shoulder protection.

- all glass must be removed with exception of windshield. Lexan can be used as replacement

- fire retardant shoes and gloves recommended

- helmet to be a minimum snell 2005 or sa-2005 minimum.

- racing seats are required

- battery must be in a sealed battery box
- all safety subject to immediate tech

e. Two way radio recommended, must have scanner or receiver to monitor the official's tower and relay to driver.

#### Competing Models:

- American and Foreign Vehicles, 104" Stock Wheelbase or less, originally available with a 4 cylinder engine. No AWD or 4-wheel steering
- No Turbos, superchargers, or rotary engines allowed
- No convertibles, roadsters allowed. CRX okay
- No S2000
- NW Pro 4 trucks allowed. See RWD weight. Bodies okay

#### WEIGHTS:

Lead will be securely mounted. Any lead found on racing surface subject to fine. No mixing of weight rules  
2150 lbs. Front Carbureted engine, Front wheel drive.

2250 lbs. Front Carbureted engine, solid axel, rear wheel drive under 2399cc.

2350 lbs. Over 2400-2600cc

Left Side maximum 56%

- added weight must be painted white and are identified with car #

#### Engines. Other than what you see in weights:

- OEM Blocks only. Aftermarket internals okay besides crankshaft. Stock Crankshaft may be lightened
- Bare Cylinder Head must be OEM for make of car. Must show Casting #. No Aluminum unless stock for make.
- Any aftermarket or OEM valve-train component allowed
- crank triggers are allowed

#### Carburetors-

- 4412 Gauge legal
- Choke horn may be removed
- Air Cleaners mandatory. Cold air system okay
- 2 return springs required
- Air Cooled VW may use any dual carb set up to 48mm bores

#### Fuel Injection-

- Must be stock for make. OEM or Tuned/Aftermarket ECU allowed. Fuel mapping, timing, delete sensors may be modified
- Aftermarket injectors okay. 450cc max
- Cold air intake system allowed

#### Electrical:

- Alternator optional
- No in car adjustable timing within reach of driver
- No Magnetos
- Aftermarket Distributors allowed, MSD Boxes allowed
- No Traction control whatsoever

#### Lubrication:

- No Dry Sump systems allowed. External oil pumps allowed.
- Aftermarket Oil pans allowed

#### Exhaust:

- Header allowed.
- Full exhaust system must be securely mounted.

#### Transmissions:

- Stock for make
- Starter mounting location in stock location

#### Drive shafts for RWD

- Alum or steel. no carbon fiber. Must have 2 straps or chains front and rear beneath. painted white

#### Frames:

- Original Frame rails required. No Lightening. Stock Frame from centerline of front suspension at stock point to centerline of rear wheels.
- Firewall of a Minimum 20g Steel required between drivers compartment and fuel cell
- Original front fender wells and strut towers may be removed
- Stock unaltered firewall in original location
- No full tube chassis

#### Suspension:

- Must be per manufacturer layout and design
- Coil Overs allowed only on factory coil over cars
- Weight/Screw jacks allowed
- Sway Bars optional. one piece only
- Spindles must be stock OEM cast iron or aftermarket replacement cast iron. Must remain in stock location. Aftermarket caliper bracket okay. No fabricated or drop spindles.
- Stock K Member with stock mounting points
- Front Lower control arms must be stock make to make
- Front upper control arms can be aftermarket and can be moved
- Shock or strut mounts may be extended for travel but may not protrude through body
- No 3rd link unless per manufacturer
- Min 3.5" ride height for all body and frame
- Any Single adjustable shock/strut. rebuildable allowed. one per wheel. No canister or external reservoirs. No Bump stops
- Rear upper control arms must be in stock location with stock mount. non adjustable and may be reinforced or vertically slotted
- Lower rear trailing arms to be stock length and nonadjustable. No dual or single heims

#### Rear Ends

- No Alum housing or axle tubes.
- No quick change.
- All differentials must be either open, welded, or spooled. No Limited slip, lockers, or gold tracks
- 9" okay. Steel housing with steel tubes only. Cast iron 3rd member. No floaters

#### Steering:

- Racks or boxes must be stock OEM. May be relocated for oil pan clearance within reason

#### Bodies:

## No Streamlining

All cars must have complete bodies, trunks/deck lids hoods fenders etc.

- front fenders can be steel, aluminum or fiberglass. Fenders maybe homemade but must remain stock appearing. No exotic materials
  - door panels maybe steel or aluminum but must be stock appearing and securely fastened
  - complete hood is required, maybe lightened, hood can be stock, aluminum, or fiberglass, no exotic materials
  - front hood must use hood pins. Rear lids/trunk, if operable must use hood pins.
  - side skirts allowed. Side skirts are between the front and rear wheels. Front splitters allowed. Spoilers allowed; must be securely fastened to back only. No forward mounted spoilers; no air dam style Mounting this includes sides and middle of spoiler.
  - rear spoilers cannot be wider than the width of the surface and cannot impair rear vision. No dirt-style wings allowed.
  - maximum height as measured from deck/mounting point at a right angle to the top of the spoiler will be 6". Single plane aluminum or clear polycarbonate (no plexiglass)
  - sunroofs must be removed and covered with a minimum 20-gauge steel. No aluminum
  - wheels and tires may protrude from the body 3 "
  - no channeling air on side of car or on top of quarter panels
- Late model nose allowed.

## Bumpers:

-no downforce or streamlining. Cannot extend outside of body.

## Cages:

Full roll cage constructed of minimum of 1.5" steel seamless tubing minimum .095 wall thickness

- minimum three crash bars on drivers' side, two on passengers' side
- windshield three braces minimum
- crash bars are to be gusseted, bars within reach of driver must be padded.

## Fuel:

-Gasoline only.

-Electric Fuel pumps allowed.

-Cell required. Must have rear firewall between cell and driver's compartment. At least 22g steel

## Brakes:

-4-wheel brakes in operating condition.

-one brake bias in car allowed

## Wheels/Tires

-8" Maximum width wheel

-Spacers allowed

-Any 7 or 8" wide Hoosier, goodyear, American Racer or Recap allowed. Hoosier 8" 700 sold at track.

- No soaking

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.

**ADDITIONAL INFORMATION:**

All participants are expected to take pride in being part of our entertainment. Racing entertainment is what we sell to the public and we will not tolerate anyone or anything that detracts from the show. Cars in the opinion of the Officials that lack in appearance or are deemed unsafe will not be allowed to race until acceptable. All car construction rules will be decided by Hermiston Raceway inspectors. Burden of proof on any concern will be the responsibility of the driver.

It is the responsibility of the driver to ensure their car confirms to all rules and regulations at any time while on the racing surface or anywhere on premises.