



2020 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 MAKE A DECISION 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. Racing or Leather nonflammable shoes and gloves required

SNELL 2005 AND HIGHER HELMET REQUIRED

RACING SEATS MANDATORY

Competing Models:

- American and Foreign Vehicles, 104" Stock Wheel base 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. Left Side max is 56%. Lead will be securely mounted. Any lead found on racing surface subject to fine. No mixing of weight rules

FWD:

1lb per cc- Air Cooled VW

2100lbs- Stock for make and model Carbureted cars 2000cc and less. Any head work, any clutch/flywheel.

2150 lbs- DOHC/SOHC, 1850cc max, stock cam/s, no porting, Stock Clutch/Flywheel

2300 lbs- DOHC/SOHC, 1850cc max, Aftermarket Cam/s, Racing clutch/flywheel, Porting

2250lbs- DOHC/SOHC, 1851-2600cc, stock cam/s, no porting, stock clutch/flywheel

2450lbs- DOHC/SOHC, 1851-2600cc, Aftermarket Cam/s, Racing clutch/flywheel, Porting

RWD:

2250 lbs- 2450cc max, Hydraulic or Toyota Solid cam only, Pinto Solid okay, any lift. Stock Oem untouched intake, No Porting, Stock Clutch/Flywheel. 240sx nissans with a stock head

2450lbs- 2600cc max. Solid or Roller Camshaft, Porting, Aftermarket intake, Racing Clutch/Flywheel

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

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:

- No crank triggered ignitions
- 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 non adjustable. 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 FIBREGLASS. 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 FIBREGLASS, 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 SEEMLESS 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

Fuel:

-Gasoline only.

-Electric Fuel pumps allowed.

-Cell required. Must have rear firewall between cell and drivers 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