

# 2023 Mohave Valley Raceway Street Stock Rules

## MODELS:

All cars must be 1960 or newer, front engine, V-8 equipped, rear wheel drive, stock production passenger car sedan or pickups. NO station wagons, SUV's, jeeps, etc., allowed. Minimum wheelbase 101 inches and must be stock for year make and model being used.

## BODIES:

Any OEM stock steel, aluminum or fiber glass body is permitted. Ford to Ford, Chevy to Chevy, etc. May cut hole in hood for air cleaner, maximum one inch larger than filter. No hood scoops. Rub rails allowed maximum 1-inch x 2 inch tight against body. Aftermarket floorpan OK. Front, rear and side firewalls must be constructed of minimum 20-gauge steel with no holes. Rear of car must have a minimum six-inch cover across back. Rear spoiler face not to exceed 6 ½ inches tall, any angle may be used, not to hang past rear bumper. Spoiler support blades 6 ½ inches max tall, 14 inches max long.

## BUMPERS:

Must have front and rear bumpers. OEM bumpers OK but must be fastened securely with straps on ends to prevent hooking. Tube type bumpers are allowed but must be covered in the front by a plastic nosepiece. Front and rear bumpers, Single 2-inch .095 max and must be bent 90 degrees on ends. Bumpers should be 18 - 20 inches from ground.

## FRAMES:

Stock frame must be used with stock front lower control arm mounts, steering mounts, rear leaf spring mounts or lower four link mounts. Frame width must remain stock. Wheelbase must remain stock, plus or minus ½ inch. Must match body and engine.

## FRONT SUSPENSION:

Stock lower control arms must be used. Stock spindles must be used. Stock hubs must be used but rotors may be modified. Any stock or tubular upper control arms OK. Upper control arm mounts may be relocated. Weight jacks allowed, No hydraulic, electric or air adjusters. Adjustable spring spacers with shock in stock position OK (no penalty). Any coil spring, five-inch minimum outside diameter allowed. Tie rod or heim end shocks allowed. No coil over shocks. No reservoir shocks. No air/nitrogen adjustable shocks. Shock location open, one shock per wheel. NO aluminum parts.

## REAR SUSPENSION:

Three types will be permitted. (1) leaf - stock front mounts, single hole without adjustments. Any lowering blocks allowed. Any rear mount allowed. Any multi-leaf spring allowed. No panhard bars. (2) Four bar - stock frame mounts. Rearend mount 3 ¼ - 3 ½ from bottom of rearend housing. No panhard bars. Stock length, nonadjustable lower links. Upper links can be adjustable, solid type only. Five-inch minimum diameter spring. (3) Three bar - stock lower frame mounts. Stock length, solid type, nonadjustable lower links. Uses a panhard bar. Upper link can be adjustable but cannot be longer than lower links. Upper link cannot have a spring. Cannot use a fifth shock. Five-inch minimum spring diameter. No coil over shocks. No reservoir shocks. No air/nitrogen adjustable shocks. Weight jacks allowed (with weight penalty), No hydraulic, electric or air adjusters. Tie rod or heim end shocks allowed (with weight penalty). Shock location open, one shock per wheel. One spring per wheel. NO aluminum parts.

### STEERING:

Stock steering box and linkage in stock location. Aftermarket steering shaft allowed. Steering quickner allowed. Steering wheel must have quick release. BRAKES: Any master cylinders or pedals allowed. Must have three working brakes at all times, this means when you hit the brakes, three wheels lock up and slide. Brake bias allowed. Brakes are open but NO aluminum parts except masters and pedals area allowed.

### ROLL CAGE:

A full perimeter roll cage is required. There must be a minimum of three (3) driver side bars in the left door area. Two (2) bars must extend from the top of roll cage to the rear of the frame rails. One (1) bar must extend from the left side to right side of rear roll cage at floor pan level for seat belt attachment. One (1) diagonal bar is required across the rear of roll cage from top to bottom. One (1) bar must be installed from left side of roll bar to center part of cross bar at shoulder level for shoulder harness attachment. Additional roll bars may be added. Where roll bars are attached to the floor pan, must have steel mounting plates under and over floor pan. Plates must be a minimum of 4" x 6" x .125 steel. Single pipe front loop may be installed at radiator top tank level. Radiator protection bar and supports may be added. Subject to technical inspection and approval. All radiator protection bars must be behind the bumper and under front nose piece. All main cage roll bar material must be a minimum of 1 1/2" .090" wall steel tubing or black iron pipe with a minimum of 1 1/4" ID schedule 40. No galvanized pipe. Maximum, pipe diameter 2". No thread pipe fittings allowed. All roll bar structure exposed to the driver must be padded with approved padding. Roll bar construction and installation is subject to inspection and approval. MVR highly suggests 1/8" plates on left side door bars.

### ENGINE:

Stock OEM block, Chevy to Chevy, Ford to Ford, ect. Any cast iron head. NO roller cams or lifters. Any rocker arm. 360 cubic inch max. Any intake manifold. Any pistons. Any crank. Steel rods only. Porting OK. No drysumps. Engine can be no further back than number one spark plug hole aligned with the center of the upper balljoint. Engine must be centered in frame.

### CARBURETOR:

Must use one 2-barrel 500cfm Holley list number 4412. May not be modified except for jets, powervalve, removal of choke plate and linkage. NO other carb will be allowed! Must pass tech gauges. Must have two throttle return springs. One-inch-tall maximum spacer or adapter plate allowed.

### FUEL SYSTEM:

Fuel cell mandatory. Maximum 22 Gallons. Must be in a minimum 20 gage steel container. Must be securely mounted to roll cage. Fuel cap must be connected to cell with wire or cable if not screw thread type. Minimum 2 straps top and bottom, subject to tech approval. No electric fuel pumps. Fuel Cell vent must have roll over valve. Any fuel line run thru drivers' compartment must be inside steel tubing. Any gasoline OK, NO additives, NO alcohol.

### EXHAUST:

Any exhaust must exit BEHIND driver. Cannot run thru driver's compartment.

### ELECTRICAL:

Must have working starter. Must have master kill switch clearly marked within drivers reach. Any battery powered ignition system allowed. NO magnetos. Battery cannot be mounted behind rear axle. Wet batteries mounted inside drivers' compartment must be inside a steel, leak proof box. NO traction control. No timing control devices.

### TRANSMISSION:

Auto trans no converter is OK. One forward gear, one reverse gear and one neutral gear is required. Any trans with a stick shift needs a minimum 2 forward gears, reverse and a neutral gear.

### REAR END:

Any rear end may be used except quick changes. Floaters allowed. Full spool, mini spool or welded only. NO lockers, ratcheting, gold tracs, traction control, etc. Gears open. No aluminum parts allowed. Drive shafts must be painted white. Drive shafts must have two safety straps or chains.

### WEIGHT:

Minimum weight 3000 pounds with driver at any time with maximum 57 percent left side.

### WHEELS AND TIRES:

8" Maximum Wheels must be steel. Beadlocks allowed on all four. Offsets open. Hoosier IMCA G-60 is acceptable No grooving sipping, NO MUD and SNOW GRIP TIRES ALLOWED. 8" or less DOT passenger car tire. No grooving sipping, no recaps. All tires subject to approval by track staff. No tire softeners.

### SAFETY:

1. For all safety equipment it will be the sole responsibility of the driver, not Mohave Valley Speedway agents/officials or corporate officers to ensure that his/her safety equipment is correctly installed, maintained, and properly used. Please refer to manufacturer installation and usage guidelines and adhere to them.
2. Helmets/Gloves/Suits/Eye Protection
3. Safety helmet must meet SA 2010, SA 2015 or SA2020 testing standards, and bare proper identification, and have no signs of previous damage.
4. Single-layer fire suit is mandatory at all times. No flight suits allowed.
5. Approved racing gloves Mandatory, no welding gloves, gardening gloves, etc.
6. Approved racing shoes or leather boots required no nylon shoes permitted.
7. Eye protection is mandatory and must be in place at all times No open face helmets. Helmet must have shield.
8. All cars must have a window net.
9. Five-point safety harness with quick release mandatory with three-inch shoulder belts, three-inch lap belts and a two-inch anti-submarine belt.
10. Belts must be attached to cage and must be within three years from date of manufacture. Racing seat mandatory, no plastic or fiberglass.
11. Seat must be mounted to cage.
12. Every car must have a minimum two-pound fire extinguisher within drivers reach. Every pit must have an additional fire extinguisher.

### MISCELLANEOUS:

1. There is NO grace race for safety.
2. Radios: No two-way radios allowed in cars.
3. No interior or exterior rear view mirrors allowed.

INSPECTIONS:

All cars are subject to inspection at any time and in any manner determined by track officials. All decisions regarding the timing and manner of inspections, as well as which cars will be inspected is final. A competitor must take whatever steps requested by a track official, to facilitate inspection of the car at any time. Only those persons approved by track officials may be admitted into the inspection area. Mohave Valley Speedway has the right to confiscate any part and/or equipment, which fails to meet applicable specifications during an event. Track officials mandate inspection after the event; if a car that has competed in the event is taken from the tech area without permission of a track official, the car and driver will be disqualified. Any member who fails to tear down a car for inspection when requested to do so by the track officials will incur a fine and/or loss of championship points and/or indefinite suspension from Mohave Valley Raceway.