

# 2023 Mohave Valley Raceway SUPER Stock Rules

## MODELS:

1. Must be American manufactured

Minimum wheelbase of 101"/105" if wheelbase is 101" add 25 lbs. in front of mid-engine plate. Must be removable to verify weight.

## BODIES GUIDELINES:

1. Steel, Aluminum or Fiberglass bodies.
2. All nosepieces or front covers must be Maximum 50 inches from the center of the wheel to the front of the nose piece.
3. Rear deck may be flat
4. Max spoiler allowed 6"x width of body". Face of spoiler 6". Sides OK
5. Plastic body skirt ok
6. Floor pan may be removed. Driver must be in COMPLETELY sealed Cockpit area.
7. Drivers side windshield area must be covered with a minimum 1/4" opening or maximum of 1" opening screen or Minimum of 3 Windshield bars in front of driver. Mounting is at discretion of Tech Inspector.
8. Window net mandatory. Strict enforcement on secure mounting. No zip ties or pop riveting. Hard mounting only

## BUMPERS:

1. Front and rear bumpers may be OEM Aluminum, or round or square tubing.
2. All cars must start race with front and rear bumper. If you loose a rear Bumper, you may be black flagged at discretion of Racetrack official depending on rear clip configuration.

## ROLL CAGES:

1. All cages must be made of .095 tubing no less than 1 1/2" 0.0 for main hoop.
2. Must have a minimum of Three (3) left side door bars
3. No galvanized pipe allowed
4. All roll cages will be strictly inspected
5. 1/8" thick door bar plate on driver side highly recommended
6. Front and Rear Driveshaft loops Mandatory. 360-degree loops highly recommended.

## SEATS AND SEATBELTS:

1. Racing seats only. No Fiberglass.

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2. No seat may be mounted directly to floor pan. Seat must be mounted to roll cage at no less than four (4) points
3. A five- (5) point safety harness, with quick release is mandatory. All belts must be attached to roll cage

## SAFETY EQUIPMENT

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 2005, SA 2010 or SA2015 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 no nylon shoes permitted.
7. Eye protection is mandatory, and must be in place at all times.

## CHASSIS AND SUSPENSION:

1. OEM American rear-wheel drive frame only. No sports car frames. OEM part of frame must measure a Minimum of "20 forward from Screw Jack and a minimum of 20" to rear of screw jack. May modify for Fuel pump, steering shaft, Radiator, and shock clearance. May alter for after-market upper A-arms
2. Tube type upper adjustable A-arms allowed
3. Control arm that supports coil spring must be stock
4. Rear clip may be made of 2" x 3" steel tubing. Tubing must extend to the rear bumper.  
Rear spring mounts must be a minimum of 40" apart measured inside to inside
5. Uni - body cars may tie in frame rails front to rear
6. Weight jacks are allowed. No weight jacking controls allowed inside of driver's compartment
7. Racing spring and racing shocks may be used (no coil over or coil over eliminator). Heim end type shocks OK
8. No Canister shocks. No external adjustable shocks (dials, screws).
9. Rebuildable, revalveable and adjustable gas pressure shocks allowed
10. Maximum four shocks allowed on car. 1 shock per wheel only. No shocks over rear end
11. Leaf spring sliders are allowed

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12. No composite leaf springs
13. Leaf Spring Floater O.K. Coil cars may NOT use Floater/Birdcage
14. Adjustable lowering blocks O.K.
15. Coil cars can run 3-Links. Solid links only. (No Biscuit, Spring, Bushing, etc.) 20/20/20 rule. (No Z-Link, 4- Bar or Swing arm suspensions) Springs must be mounted on rear end housing. a) Top bar maximum length of 20 inches. b) Panhard bar minimum length of 20 inches. Must be mounted behind rear end. c) Lower Arms/Bars minimum length of 20 inches, maximum length of 22 1/2 inches. d) Bars must be Steel with minimum of 5/8 heim joints. All measurements are Center-to-Center.
16. Coil cars may use adjustable links. Uppers & Loweres may use multi-hole locations. Offset bolts OK w/OEM lowers.

## REAR ENDS:

1. No quick-change rear ends allowed
2. Must be steel rear end housing
3. No gold track or ratchet rear ends allowed
4. No wide fives allowed

## STEERING:

1. Power steering, quick steer boxes allowed
2. No racks and pinion steering allowed

## BRAKES:

1. Must have three (3) working brakes at all times
2. Adjustable valves may be used for front to rear brake bias
3. Right front brake shut off OK
4. Front and rear brake calipers Cast- steel only. Aftermarket OK. No aluminum. Single piston only. Right front rotor may be altered.

## ENGINE SPECIFICATIONS:

Any American make steel engine block allowed. Any 23 Degree Head Allowed. Aftermarket and OEM performance block allowed. Steel block only. Any Intake manifold. Flat tappet cam lifters only. (NO ROLLER CAM OR LIFTERS) Stud Girdles allowed. Any Rocker Arm allowed. No mushroom lifters, OEM firing order cannot be changed. No crank triggers. All engines must be able to be used in conventional passenger car without alterations. All belt driven accessories must be on front of engine. 'Wet' sump oiling system only. Engine must be no further back than # 1 spark plug to ball joint

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## **CARBURETOR:**

1. One (1) Holly 500 CFM. 2 barrel carburetor (no. 4412 only) or (1) Demon 2 barrel 500cfm carburetor Part #2372210 OT or (1) 4 Barrel carburetor.
2. Two- (2) throttle springs mandatory

## **EXHAUST:**

1. No exhaust of any kind allowed in driver's compartment
2. Any Header allowed

## **IGNITIONS:**

1. No magnetos allowed.
2. All battery-powered ignitions will be allowed
3. Ignition boxes must be placed out of reach of driver. All boxes subject to tech inspection at all times
4. No tampering of ignition boxes such as ETC (electronic traction control) or timing control devices. Absolutely no JUNK allowed altering engine performance during race conditions.
5. One ignition box per car at any time
6. Any Speedway member may protest any ignition box for \$200.00 plus shipping and handling. Shipping and handling is red label overnight express, if box is found illegal, protestor will receive \$200 back. If found legal, owner/driver protested will receive \$150.00 and \$50.00 going to Speedway.

## **STARTERS:**

1. All cars will have a working starter 2. Kill switch must be labeled and easily accessed by driver or safety workers

## **CLUTCH AND TRANSMISSION:**

1. Brinn. Bert. Falcon type internal clutch Transmissions ALLOWED
2. Richmond or Muncie transmissions ALLOWED 3. Any clutch will be allowed.
4. Automatic transmissions may use a coupler instead of a torque converter.

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## **DRIVELINE:**

1. Minimum 2 inch diameter steel OR minimum 3 inch diameter Aluminum drive shaft and must be painted white. Steel slip-yokes only. 360-degree drive shaft loop at front and rear of Driveshaft highly recommended **FUEL AND FUEL SYSTEMS:** 1. No electric fuel pumps allowed
2. Must use gasoline only (no alcohol)
3. All cars must have fuel cells with a chain, cable, etc attaching cap to fuel cell
4. All fuel cell will be at discretion of Track safety tech
5. Driver's compartment must be sealed from both engine and fuel cell
6. All cars require the use of a check valve (roll over valve) on the vent of cell

## **WHEELS AND TIRES:**

1. Maximum rim (wheel) width is 8". All wheels must be steel
2. Bead-locks may be used on all four (4) corners
3. Must use unaltered Hoosier Race Tire, G60-15 with IMCA stamped on sidewall, or unaltered Hoosier 500 Race tire. **ALL TIRES** No chemical softening, conditioning of tires. Tires may be ground or siped within confines of tread (not past factory straight line). No grooving allowed

## **FUEL AND FUEL SYSTEMS:**

1. No electric fuel pumps allowed
2. All cars must have fuel cells with a chain, cable, etc attaching cap to fuel cell
3. All fuel cell will be at discretion of Track safety tech
4. Any fuel line running through the driver's compartment must be housed in a steel sleeve
5. Driver's compartment must be sealed from both engine and fuel cell
6. All cars require the use of a check valve (roll over valve) on the vent of cell.
7. Gasoline only - no alcohol

## **WEIGHT:**

1. Minimum weight is 2,800 lbs. ANYTIME 2. All ballast weight must be painted white and have the car's number legibly painted on it 3. All weight must be mounted by a min of two 5/8" bolts or two weight mounts

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## MISCELLANEOUS:

1. Battery mounting will be strictly inspected.
2. No radios.
3. No rear view mirrors allowed.
4. Equipment will not be considered legal simply because it went through inspection unobserved, or because a rule has not been written excluding it.

Mohave Valley Raceway 2750 E.  
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**DISCLAIMER:** The rules and/or regulations set forth herein are designed for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. The rules shall govern all entrants. **NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or official. The race director shall be empowered to permit deviations from any of the specifications, herein, or impose any further restriction, that in his opinion do not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation or deviations of these rules is left to the discretion of the officials. Their discretion is final.