



# 2020 Skid Plate Car Rules

*A novelty race in which front wheel drive OEM vehicles of any type replace the rear tires with steel plates and ATTEMPT to drive the car in a race.*

These rules are in effect as of January 1, 2020. This publication supersedes all previous LVMS rule books and rule updates. LVMS reserves the right to alter or amend these rules and regulations in the interest of safety, cost control, and/or fair competition. It is the responsibility of each competitor to read and understand the contents of this rule book. If there is a disagreement or dispute regarding the meaning or application of the rules, the decision of the Bullring's Chief Technical Inspector shall prevail.

The rules and regulations set forth herein are designed to provide for orderly conduct of racing events and to establish minimum requirements for such events. These rules shall govern the conditions of LVMS short track events, and by participating in these events, all participants, guests, crew members and staff are deemed to have complied with these rules and/or regulations. No express or implied warranty of safety shall result from publication of, or compliance, with these rules and 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 participants, spectators or others. In the event of a serious or fatal injury, LVMS reserves the right to impound race cars for review and evaluation, and may exercise this right at anytime. The Chief Technical Inspector shall be empowered to permit minor deviations from any of the specifications herein or impose any further restrictions that, in his opinion, do not alter the minimum acceptable requirements.

No pretense is made for having designed a foolproof set of rules and regulations. The spirit and intent of the rules is the standard by which LVMS short track events will be governed. LVMS tech officials are authorized to decide if an equipment change or modification is an attempt to circumvent these rules. LVMS officials can and will disqualify a race car in violation of the spirit and intent of these rules.

**All participants, guest and crew members fully understand that racing is inherently dangerous and that they are exposed to risks of death or serious bodily injury; the participants, guest and crew members voluntarily assume these risks at all times.**

NOTICE: ALL EQUIPMENT IS SUBJECT TO THE APPROVAL OF LVMS BULLRING OFFICIALS. ALL CARS MUST PASS A PRE-COMPETITION INSPECTION AND ALL CARS ARE SUBJECT TO A POST INSPECTION. NO EQUIPMENT WILL BE CONSIDERED AS HAVING BEEN APPROVED BY REASON OF HAVING PASSED THROUGH INSPECTION.

With the exception of the following rule modifications, all cars must be 100% stock. THESE RULES WILL BE STRICKLY ENFORCED, MODIFICATIONS NOT PERMITTED UNLESS STATED IN THE RULES.

## **13-1 VEHICLES**

- 13-1.1** Any 1980 or newer 4 cylinder or V-6 front wheel drive passenger car, station wagon, or mini van with a minimum wheelbase of 90" is eligible. NO trucks, jeeps, convertibles, sub-compacts, t-tops, pick-ups, or SUV type vehicles permitted. All vehicles and rules are subject to Technical Discretion. Please verify that your vehicle is an approved vehicle prior to the build.
- 13-1.2** All cars must have complete bodies. All exterior lights, lamps, and lens must be removed.
- 13-1.3** Reinforcing of frames, cross members, bumpers, or bodies not permitted. Body to Frame mounts must be stock. Altering body to frame mounts not permitted.
- 13-1.4** Skid plates required on rear (rear tires must be removed). Skid plates must be 8" wide X 14" long and must have a 1" X 8" 45 degree lip on the front of plate. All Skids must meet all measurements and must have LVMS tech approval before they can be used. Must have a chain welded to the front side of the skid to secure it to the wheel well and help it from rotating. Bent or damaged skids not permitted. Rear axle plate alignment subject to tech inspection before race, e.g., excessive camber or uneven plate load distribution to track.
- 13-1.5** Wheels and tires must be OEM original size and type. DOT street legal passenger car tires only. No run flat tires. Only air in tires. No Light Truck "LT" or Mud and Snow (M+S) tires permitted.
- 13-1.6** The height of the front and rear bumpers must be stock. Car must not be raised or lowered, and must sit at approximate stock height.
- 13-1.7** No weight may be added to the vehicle.
- 13-1.8** The stock floor pan, front and rear firewalls, trunk floor and rear wheel wells must remain intact. No cutting, shortening, channeling or chopping allowed. All holes in the front and rear firewall or floor pan must be covered with minimum 20-gauge sheet metal. Fire retardant sealant is required around any small gaps.
- 13-1.8** Hoods and trunk lids must have two hood pins in opposite corners of the OEM hinges, or four hood pins in each corner without the OEM hinges used. Any under-hood latching mechanism must be disconnected or removed. OEM cable type operated hood releases are not permitted. Hoods and trunk lids must be capable of being completely opened from the outside of the car.
- 13-1.9** A white 16" x 16" number board must be securely mounted centered on the car's roof with the car number painted visible in contrasting colors.
- 13-1.10** All drivers must possess a valid driver's license. Suspended or revoked license holders may not compete.

## **13-2 INTERIOR**

- 13-2.1** All glass must be removed with the exception of the windshield. The front windshield must be in good condition. If the need arises to replace the windshield it may be replaced with a minimum of 1/8" Lexan or Plexiglass. All interiors must be cleaned, vacuumed, and free of debris.
- 13-2.2** All interior must be removed with the exception of the driver's seat. If you choose to replace the driver's seat with an approved aluminum seat, the replaced seat must remain in the stock location. AIR BAGS MUST BE DISABLED AND REMOVED FROM DRIVER'S COMPARTMENT.
- 13-2.3** Four-point roll cages are required (illustration included on page 4). A minimum of 1 1/2" x .095 tubing must be used. Driver's side door plates highly recommended. The use of additional non-OEM bars or reinforcement supports is not permitted. Roll cage must be welded to 4"x 4" steel plates and bolted with 4 - 1/2" grade 8 bolts to the floorboard of the vehicle. There must also be a 4"x 4" steel plate on the bottom of the floor board pinching the OEM floorboard between the steel plates.

- 13-2.4** No extra head rest needed on high back bucket or racing approved seats as long as the upright is within a couple of inches of back of the seat and their head (helmet) hits the headrest on back of the seat. You can use stock headrests. Padded pipe/upright posts are not acceptable.
- 13-2.5** Seat belts and shoulder straps are required for all drivers, OEM 3 point permitted, aftermarket 4/5 point racing belts are HIGHLY RECOMMENDED. OEM driver's seat belts must be in good condition and securely mounted. Aftermarket driver's seat belt systems should be installed in accordance with the directions provided by the suppliers and/or manufacturer. Personal safety equipment available from DJ Safety Equipment (323) 221-0000. Ask about their seat belt exchange program for \$65.00 a set.

### **13-3 ENGINE COMPARTMENT**

- 13-3.1** Engine and transmission must be in stock condition and location. Engines and transmission must be stock OEM for make and model. V-6 engines must only run on 4 cylinders, with 2 cylinders disabled. Do not allow unplugged spark plug wires to produce an electrical arc to a ground (no sparking).
- 13-3.2** Engine and transmission mounts must be stock. No welding engine mounts or adding engine mount supports. Engines must be steam cleaned and free of oil and grease.
- 13-3.3** **All engine components must remain stock OEM for make and model being used. Removal of OEM components not permitted.**
- 13-3.4** Radiator must be in stock location. No antifreeze, water only.
- 13-3.5** **Drivelines and transaxles must be stock. No modifications permitted. Stock OEM transmission coolers may be looped, by passing the cooler. Aftermarket or non-OEM transmission cooler are not permitted. **The use of locked differentials will not be permitted.****
- 13-3.6** Fuel Tanks: Cars that have the fuel tank located between the front and rear axles may leave it in stock location. It is recommended that vehicles with the fuel tank behind the rear axle move the fuel tank. Cars with fuel tanks removed must properly secure an approved fuel tank in the passenger area of the vehicle. Non-OEM mounted fuel tanks must be secured with a minimum of 4 straps of plumbers tape and self-taping screws. It is recommended to have a minimum of 16 gauge steel sheet metal to puncture proof the fuel tank. It is mandatory that all gas tanks be completely shielded from the driver.
- 13-3.7** Automobile gasoline only. Street legal pump gasoline permitted. No additives. Gasoline shall not be blended with alcohols, ethers, or other oxygenates and it shall not be blended with aniline or its derivatives, nitro compounds, or other nitrogen containing compounds. Nitrous oxide prohibited.
- 13-3.8** Maximum 1-12 volt battery, either securely fastened under the hood in stock location or inside the car in a securely fastened box. Must be strapped down to the floorboard. All cars must be equipped with a master battery on/off switch. Must be clearly marked with "on" and "off".

### **13-4 SUSPENSION AND BRAKES**

- 13-4.1** All suspension components must be OEM. Must maintain full travel of OEM suspension. Rear suspension must be stock only. No reinforcing of suspension will be permitted. Making the suspension rigid or jacking up suspension will not be allowed. The use of air shocks not permitted. No truck suspension components.
- 13-4.2** Stock OEM brake assembly and components for the year, make, and model of the vehicle. All 4 brakes must function properly. Rear emergency brake must be in 100% working order.

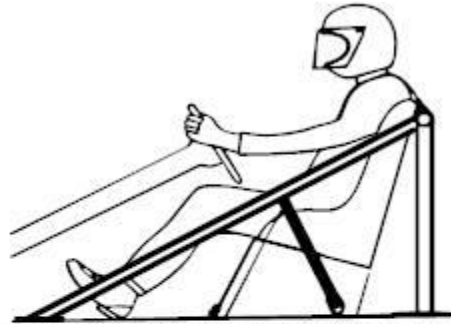
## **13-5 SAFETY**

- 13-5.1** It will be the sole responsibility of the driver, not LVMS, their officials or corporate officers to ensure that his or her safety equipment is correctly installed, maintained, and properly used. Please refer to manufacturer installation on usage guidelines and adhere to them.
- 13-5.2** Polyester or nylon clothing is not permitted. Each driver must wear a minimum of a SFI 3.2A/1 fire suit jacket and long pants made of cotton or wool. SFI approved driving gloves are mandatory for all drivers. Complete fire suits are recommended. All fire protection products must be in good condition, with no rips or tears, and must be complete. Gloves are mandatory.
- 13-5.3** Every driver must wear a helmet, at least a valid Snell SA 2005 or Standard Snell M2010 / M2015 with label, at all times on the track. Eye protection is mandatory.
- 13-5.4** Every car must be equipped with one fully charged fire extinguisher having at least a 10 B: C rating. The fire extinguisher or the fire suppression activation control must be mounted within the seated drivers reach and readily accessible for use. Fire extinguisher must have a gauge to determine if it is fully charged and shall have been rated and labeled by one of the following test labs:
- Underwriters Laboratories, Northbrook Illinois  
Factory Mutual Research Corporation, Norwood, Massachusetts.
- 13-5.5** Window nets that operate easily and pass tech are highly recommended and may be required on all entries.
- 13-5.6** All drivers must have a scanner that monitors race control, Frequency 456.6875 or RACEceiver channel 536.
- 13-5.7** Transponders will be required. LVMS will provide the transponders for free to the Skid Plate class. Transponder must be mounted in the right rear wheel well, on the right rear frame rail behind the rear axle. Transponders that are mounted further forward than the rear axle will be docked 1 position for the race that the infraction accrued.
- 13-5.8** It is required that the center of the steering wheel be padded with 2-inch or resilient material. It is also required to have roll bar padding used on the inside of the driver's door and any roll bar that the driver may come in contact with.

# ***Skid Plate Roll Cage***

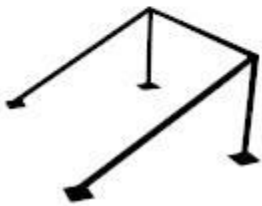
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***FRONT***



***This is what we want to see for minimum cage requirements***

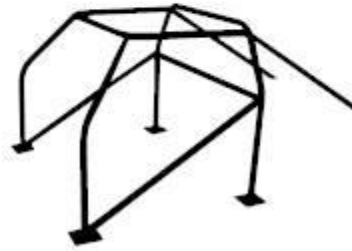
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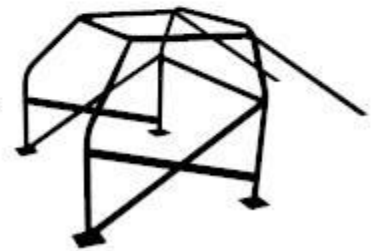
***Minimum Required***



***Would like to see used***



***Legal to Use***



***Not Required  
But Legal to use***