



**** 8-Cylinder Gladiator Class - Regulations****

*Note: ANYTHING OR REGULATION NOT WRITTEN ON THIS REGULATION LIST IS PROHIBITED. Only modifications listed in this regulation will be accepted for 8-cylinder Gladiator class vehicles. *

****1. Car: ****

- No Imperial.
- No Checker Cab.
- Crown Victoria's with aluminum frames cannot be modified.

****2. Engine: ****

- Only vehicle's stock engines (8 cylinders only) are allowed, and they must be bolted as per the stock location.
- Engine swaps are permitted.
- A lower engine cradle with a pulley protector is allowed.
- Stock or homemade engine mounts are allowed, but they must not reinforce the vehicle in any way. The upper engine mount can be modified to increase the number of attachment points to the engine, which can be bolted to the headers, water pump, and cylinder heads.
- A chain can be added to each welded engine support attached to the frame.

****3. Transmission: ****

- No reinforcements are accepted.
- The transmission must remain stock, except for an aluminum bell housing, which is allowed.
- Only the vehicle's stock transmission support is accepted. If the original support is missing, it can be replaced with a flat bar of up to ½ inch thickness by 3 inches in width, which can be welded or bolted in the stock location, or a 1" x 3" tube.

****4. Battery Rack: ****

- A maximum of 2 batteries are allowed.
- The battery rack must not reinforce the vehicle in any way.
- It must not extend above the batteries by more than 2 inches.
- It must be securely fastened to the floor inside the vehicle.

****5. Radiator: ****

- The radiator must be stock or homemade (Steel) and must contain only water.
- It should be attached to the radiator support with ½-inch bolts and must not be bolted to the frame (a maximum of 4 bolts).
- Legal dimensions for Chrysler: 24" x 28" x 3 ½" and for Ford / GMC: 34" x 19" x 3 ½".

****6. Bumper: ****

- Any Stock 8-cylinder car bumper is accepted. Chrome can be welded, but the ends of the bumper must remain open.
 - Due to the increasing rarity of V8 bumpers, homemade bumpers are accepted, with strict specifications (2x6 or 4x4 of ¼ inch thickness). The interior must be visible, and no points or shapes other than flat are allowed.
 - No other modifications will be accepted.
 - The rear bumper can be stock, from another V8 vehicle, or homemade (see front bumper regulations).
 - The bumper must not be wider than the vehicle.
 - No sharp corners or points will be tolerated.
 - Shocks must remain in their stock positions.
 - A 4" x 4" x 1/4" plate can be welded to the end of the frame.
- *Note: If you weld your shock, it is not allowed to modify the end of the frame. If you do not weld your shock, it is possible to cut 1 to 2 inches off the end of the frame to create a flat surface. *

****7. Vehicle Floor: ****

- Only the rusted floor can be repaired with a maximum 18-gauge sheet metal, and the repair must not exceed the rusted area.

****8. Differential: ****

- The vehicle's stock 5-nut 8-cylinder differential is allowed (differentials for 2500/3500 and higher are not allowed).
- No reinforced differentials are allowed.
- Axle protectors are allowed.
- Axle must stay stock
- The differential core can be welded.
- The differential can be chained at 2 attachment points.
- Upper housing arms can be lengthened, shortened, and reinforced.
- Extendable drive shafts are permitted.

****9. Steering: ****

- All steering components must remain stock from A to Z.
- Only stock steering rods can be reinforced with a rod of up to 3/8 to 1/2 inch maximum.
- A 1" x 1" x 1/8" angle iron or tube can be welded.

****10. Suspension: ****

- Attaching leaf springs together is allowed, with a maximum of 8 spots.
- *Note: 4 attachment points per leaf spring set. *
- Wooden blocks are allowed in coil springs.
- *Note: They must be securely attached. *
- Doubling coil springs is allowed.
- Longer and stiffer coil springs are accepted.
- All suspension parts must remain stock and unmodified, with no alterations.
(Shocks can be replaced with a maximum 1" x 1" x 1/4" tube or a 1" maximum rod to attach the suspension).
- Aluminum wheel knuckles can be replaced with steel ones of the same model.
- Ball joints can be replaced with a maximum 1/2" bolt.
- For vehicles with leaf springs, you can add additional leaf's, but the supports and location must remain stock.
- Suspension can be welded (with a maximum 1" rod from the A-Arm to the frame), but it must not be used to reinforce the vehicle, otherwise it will be cut during tech.

****11. Tires: ****

- NO LIMIT inflatable tires are allowed, with accepted rims.
- No studded tires are allowed.
- Only the tire cores can be changed to use multi-bolt patterns.
- Tires can be doubled or filled with water.
- Valve protectors are allowed.
- Balance weights must be removed.

****12. Fuel Tank: ****

- Fuel cells made of steel or plastic are accepted.
- Boat fuel tanks are accepted.
- Homemade fuel tanks are accepted.
- They must be very secure, and no plastic tanks (buckets or jerry cans) are allowed.
- Under no circumstances should the fuel cell protector reinforce the vehicle. There must be a minimum of 8 inches between the back seat and the fuel cell protector.
- No stock tanks are allowed.
- The tank must be securely fastened inside the vehicle.
- Gas line must be rubber, steel, and/or metal
- A wet cover or towel is highly recommended to be put on top of the tank.

****13. Frame Bolts: ****

- Stock bushings can be removed.
- 3"x 3" x 1/4" washers can be used to facilitate bolting the body to the frame and cannot be welded.
- Stock bolts can be replaced with bolts up to 1/2" to 3/4" in diameter.
- A maximum of 20 bolts is allowed: 1 chain = 1 bolt, 5 metal screws = 1 bolt. (Within the 20 bolts, 2 rods of 3/4" can connect the frame to the core dash OR a chain can be added to connect the frame to the dash bar.)
- No sleeves are allowed.

****14. Frame: ****

- The frame can be "natched" to bend upwards.
- No other modifications will be tolerated.
- No reinforced frames are allowed.
- NO WELDING is allowed on the frame, including all body panel seams on the vehicle.
- A crooked frame piece can be replaced with another frame piece of the same category (same frame size). For example, no full-size frames on a mid-size.
- Washer of 3" diameter by 1/8" thickness can be used to facilitate bolting the frame to the body, and they can be welded.
- No paint is allowed on the frame. Frames will be automatically drilled.

****15. Body: ****

- The body can be creased.
- It can be pre-bent.
- Liners can be bolted with a maximum of 80 3/8" bolts.

****16. Repairs: ****

- A maximum of 4 plates of 4" x 4" x 1/4" are allowed on a new or previously ran vehicle. These plates must be well-identified (by color). The plates cannot overlap, and there must be a 1-inch gap between them.

****17. Doors: ****

- A maximum of 4 attachment points per door are allowed. For example: pins, straps, 1 loop of chain, 5 metal screws, 1 plate of 2" x 8" x 1/4" with 2 bolts of 3/4" = 1 attachment point, 1 full-length duct tape top post = 1 attachment point.

****18. Trunk: ****

- Plates of 3" x 3" x 1/4" can be used to weld the trunk.
- 2 rods of 3/4" can be added to connect the trunk to the floor but not to the frame.
- It cannot be bent to create a launch ramp.

****19. Cage Protection: ****

- A tube at the dash is allowed, with dimensions of 4" x 4" x 1/4".
- A vertical post of 3" x 3" x 1/4" or less is STRONGLY RECOMMENDED behind the driver's seat to prevent it from being torn off. It must be securely welded or bolted to the step or floor, as well as to the roof.
- It is MANDATORY to reinforce the driver's door. A steel beam of maximum of 12" in height by 6" in length beyond the door is allowed. It must be bolted at a minimum of 4 locations or welded but should not fall onto the track.
- Only the driver's door can be welded shut to the body with a flat bar of 3" x 1/4" or a 1/2" rod.
- Windshield bar and rear window bar must be bolted only.
- Halo bar will be accepted but must be welded to the step and cannot be welded to the frame or connected to the dashboard (see photo).

****20. Hood: ****

- A maximum of 6 attachment points is allowed, for example: chain, a 2" x 4" angle iron of 4 inches in length with 1 bolt, pins, or 4 rods of 3/4" maximum. Among the 6 attachment points, only 2 can be connected to the frame through the bolt holes.
- The hood cannot be welded shut
- Square washers of 6" x 6" x 1/4" are allowed if you have 4 rods of 3/4".
- Hood liners can be bolted or welded. Only liners that have been cut for the hood opening can be welded.

****21. Shifter and Pedal: ****

- They can be replaced.

****22. Steering Column: ****

- It can be changed or modified.

****23. Headers: ****

- At your choice.

****24. Torn Driver and Passenger Doors: ****

- Repairs are possible with a maximum 18-gauge sheet metal or original thickness. Repairs must not exceed the torn area, and welding is not allowed.

****25. Transmission Cooler: ****

- Accepted behind the passenger seat.

****26. Rotten Frame End: ****

- No rotten frame end can be repaired with iron or sheet metal.

****Any repairs must be approved by the officials before or during the event. Before-and-after photos must be approved by the chief inspector. ****

****All vehicles must be stripped of moldings, windows, interior trim, and plastic bumper covers. ****

****Disqualification: ****

- Vehicles that are too dangerous or extensively modified may be refused. Only officials can decide if a vehicle is allowed to participate.
- Disrespect towards officials, other competitors, or event staff before, during, or after the races can result in disqualification and possible suspension from one or more derby events.
- Any dangerous driving behavior may lead to disqualification and potential suspension for the offending driver.
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