



****4-6 Cylinder Gladiator Class – Regulations****

1. Engine:

The vehicle's engine must be stock, equipped with only 4 cylinders, and they must be bolted as per the stock location.

2. Transmission:

- No reinforcement is allowed.
- The transmission must be entirely original.

3. Battery Rack:

- A maximum of 2 batteries is 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.

4. Radiator:

-The radiator must be stock or homemade (steel) and must contain only water. Iron radiators must be loose between the two frames rails and the radiator support to avoid reinforcing the vehicle. They can be attached with 4 half-inch bolts, pins, or chains but should not be attached to the frame or bumper.

The accepted size is 18" x 24" x 2".

5. Bumper:

- Any non-reinforced 4-cylinder car bumpers are accepted at both the front and rear.
- No other modifications will be accepted.
- The bumper must not be wider than the vehicle.
- No sharp corners or points will be tolerated.
- Shocks must remain in their stock positions and cannot be inserted into the frame at any time.
- Bumper covers must be always removed.
- A 4" x 6" x 1/4" plate can be welded to the end of the frame to attach the bumper.
- The bumper can be welded or bolted to the end of the frame. No modifications to the end of the frame or bumper to make them match are allowed.

6. 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.

7. Differential:

- Must be stock to the vehicle.
- No reinforced differentials are allowed.
- Axle protectors are allowed.
- Original axle only are allowed.
- The differential core can be welded.
- Rear axles: No reinforcement or welding is allowed.
- NOTE: Only 4 attachment points are allowed for the entire mechanical system (chains for the engine and differential).

8. Suspension:

- It is allowed to fasten leaf springs together.
- NOTE: 2 attachment points per set of leaf springs are allowed.
- Wood blocks are accepted in coil springs, and the shock absorber can be welded (shaft only, no added iron).
- NOTE: They must be securely attached.
- Doubling of coil springs is allowed.
- Longer and stiffer coil springs are accepted.
- All suspension parts must be stock and non-reinforced, with no modifications.
- Only stock vehicle parts are allowed.
- No wheel knuckle modifications are allowed.
- The ball joint can be replaced with a 1/2-inch bolt.

9. Steering:

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

10. Tires:

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

11. Fuel Tank:

- Fuel cells made of steel or plastic are accepted.

- Boat tanks are accepted.
- Homemade fuel tanks fixed to the vehicle's floor are allowed.
- They must be very secure, no plastic tanks (buckets or jerry cans) are allowed.
- They must be very secure, mounted and must not reinforce the vehicle in any way.
- It must be at least 8 inches from the seat back.
- Gas line must be rubber, steel, and/or metal
- A wet cover or towel for is highly recommended to be put on top of the tank.

12. Frame Bolts:

- No modifications are allowed.
- No additional bolts are accepted.

13. Chassis:

- No alteration or modification of the chassis is allowed.
- NO WELDING is allowed on the chassis, including all sheet metal joints on the vehicle.
- The chassis must not be shortened.
- A twisted or damaged section of the chassis can be replaced with an identical section with a 1/2" x 1/8" weld joint.
- No paint is allowed on chassis sections.
- Two repair plates are allowed (with a mention at inspection and mandatory color painting) measuring 4" x 4" x 1/4" thickness, and the plates must not cross each other and must have at least 1 inch between them.

14. Body:

- The body can be "natched" to bend upwards.
- Liners can be fastened with a maximum of 80 3/8" bolts.

15. Doors:

- Doors must be attached at the top of the pillar or through a hole at the handle level to go around the pillar.
- Four attachment points per door are allowed (e.g., pins or straps, one loop of chains, 5 metal screws, one plate of 2" x 8" x 1/4" with two 1/2" bolts = 1 attachment point).
- A full-length roof pillar welded counts as 2 attachment points.

16. Trunk:

- Four attachment points are allowed, or 2 rods of 3/4" with 4 plates of 6" x 6" x 1/4" (chains or steel cables are allowed, or 5 metal screws = 1 attachment point, 1 rod of 3/4" = 2 attachment points).
- The inspector must be able to see inside the trunk at all times for inspection.
- The trunk lid can be folded inside the trunk.

17. Protective Cage:

- No tube is allowed on the dashboard.

- A vertical post of 3" x 3" x 1/4" or smaller is STRONGLY RECOMMENDED behind the driver's seat to prevent it from tearing off. It must be securely welded or bolted to the footboard or floor and to the roof.
- It is STRONGLY RECOMMENDED to reinforce the driver's door. It can be up to 12" tall and extend 6" beyond the door, and it must be fastened with a minimum of 4 bolts or welding and must not fall onto the track.
- Only the driver's door can be welded to the body with a 3" x 1/4" flat bar or a 1/2" rod.
- Windshield bar and rear window bar permit must be bolted only.
- The 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)

****18. Hood:****

- A maximum of four attachment points is allowed (e.g., chains, 2" x 4" angle iron pieces with one bolt, pin, or 3/4" rod, and they must not be connected to the chassis).
- Welding of the hood is not allowed.
- Four plates of 6" x 6" x 1/4" can be used as washers for the four rods.
- Hood liners can be bolted or welded. Only liners that have been cut for the hood opening can be welded.

****19. Shifter and Pedal:**** They can be replaced.

****20. Steering Column:**** It can be changed or modified.

****21. Headers:**** Optional.

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

- Repair is possible with a maximum 18-gauge sheet metal or original thickness.
- The repair must not exceed the extent of the door tear.
- Welding is not allowed.
- Subject to approval by officials.

****23. Transmission Cooler:**** Accepted behind the passenger seat.

****24. Rotten Frame End:****

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

Any repairs must be approved by officials before or during the event.

All vehicles must be stripped of moldings, glass, 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 can participate in the race.
- Any disrespect towards referees, other drivers, or event staff before, during, or after the races may lead to disqualification and potential suspension from one or more derby events.
- Any reckless driving may result in disqualification and potential suspension for offending drivers.

ANYTHING OR RULE NOT WRITTEN IN THIS RULE LIST IS PROHIBITED. Only modifications listed in this rule list will be accepted for vehicles in the 4-6 cylinder Gladiator category.