

2019 Mini Car

Restrictions & Preparation Requirements

Cars Allowed

1. In 2019 any 4 or 6 cylinder hardtop or station wagon car is allowed. 6 cylinder cars must have a wheelbase of 106" or less. 4 cylinder cars do not have a wheelbase limit as long as it is stock.
2. No sedans or other seriously altered body designs.
3. No year restriction as long as the wheelbase is within the regulations.
4. No 8 cylinder vehicles.
5. No all wheel drives or 4 x 4's.
6. **As in all Sunderland classes, a vehicle ownership must be on hand in case of vehicle issues.**

Vehicle Prep

The referees or Fair Board's decision is final when inspecting vehicles. Do not put yourself in a disqualification position by attempting to bend or ignore the rules.

1. Preparation of the vehicle must occur before the vehicle arrives at "the Fairgrounds", including the painting of frame patches.
2. All 4" x 4" patches, or similar repairs, plates to be a maximum of 1/4" thick.
3. All **repairs** must be with stock style components. No reinforcing.
4. All **flammable** material must be removed from the cab area except the dash, driver's seat and seat belt. This includes carpeting, headliner, door panels and trim. All debris including in the doors and trunk must be removed.
5. All **air bags** to be removed.
6. Trailer hitches and frame reinforcements must be removed.
7. All **glass**, windows, mirrors, trim, lights, antennas, ornaments, bezels, (both interior and exterior), must be removed (including bulbs).
8. The **AC** system must be drained.
9. The **cooling system** must be flushed of antifreeze and replaced with water only.
10. The radiator is to be in its original position or removed. The overflow tube must be secured to direct the coolant to the ground. No additional protection except stock AC condenser or a light steel screen or mesh bolted in 6 locations. No reinforcements or guards. Stock type radiators only.
11. **Belt driven fans** must be removed and replaced with electric fans.

12. The **driver's door** must be painted white, passenger optional (for ease of seeing the number).
13. A CSA approved **fire extinguisher**, with properly functioning gauge, (ABC) must be properly secured within reach of the driver.
14. One 12 volt **battery** must be properly secured to the front passenger floorboard area in a box. This area must be clear of all fuel system parts. Once the inspection has been completed, this battery will be covered with a non-flammable material shield to control possible splashes. One 12 volt battery only.
15. The **stock fuel tank** must be removed with all loose fuel lines and straps. It is to be replaced with a CSA approved steel marine fuel tank, plastic approved fuel tank, custom fuel tank or racing fuel cell. The replacement fuel tank will be positioned in the rear seat area centred between the sides. It will be held securely in place (no leaks) and will be covered with a non-flammable splash cover after the inspection. No movement will occur when inspected. A floating gas tank guard is permitted. The gas tank protector must be 4" from the rear shelf.
16. All **fuel lines** must have leak proof fittings with steel or approved fuel rubber lines (no clear lines). Lines must be inside the vehicle if possible secured and protected. For electric fuel systems a **red** safety shut off switch, for the pump, must be installed on the roof in the centre of the windshield opening for officials' safety purposes. The fuel pump must be isolated and all components covered with a non-flammable material. Any leaks at any time will result in immediate disqualification.
17. The distributor may be protected. Fresh cars must have a 1" clearance from the firewall.
18. **Headers** may be used. They must be directed upward away from the driver and the volunteers.
19. **Drivetrain** protectors may be used as long as they are connected to the engine or transmission only. No reinforcing.
20. **Motor mounts** must be stock. No additional mounts added. Stock mounts may be welded or chained. Do not reinforce.
21. **Body mounts** and the bolts must be of original design and size. 4 additional body mounts, using up to 3/4" threaded rod, are allowed. 2 threaded rods, up to 3/4" diameter, are allowed to secure the rad cradle.
22. **Hoods** must remain open for inspection. A 12" hole must be cut in the centre of the hood. Hoods must be fastened down in a maximum of 6 places with seat belt material, wire, chain or bolted to the fender. **No welding**. Hood latches may be removed. Hoods or rad supports may be wired to the bumper in 4 locations.
23. Metal may be removed from the **wheel openings** for clearance. Front fenders and rear quarter panels may be bolted with a maximum of 5 x 3/8" bolts per panel, washers 1/2" maximum. No body creasing.
24. **All doors** must be fastened shut with wire, seatbelt straps or chains in a maximum of 8 locations. The driver's door only may be welded in place with

- 3" x 3" plates. A maximum 12" x 60" x ¼" plate may be used on the 2 front doors outside. The **driver's door is mandatory**, passenger side door optional. Padding on the inside of the driver's door is highly recommended. NO channel or angle iron allowed. These door plates will be fastened in a maximum of 8 locations with ¾" bolts and flat washers maximum.
25. **The trunk or tailgate** must be fastened shut using chains, wire or seat belt material in a maximum of 8 locations. The trunk or tailgate may be welded. If it is welded a 12" hole must be cut in the centre of the trunk for inspection purposes. Trunks or tailgates may be wired to the rear bumper in 3 locations as part of the 8 total. Plastic bumper covers must be removed.
 26. All openings in the **firewall** must be plugged with a similar gauge metal. Large holes in the floor may be securely patched with a similar gauge metal. Do not reinforce. Driver's seat may be tied to the roof or door post to prevent breaking. No welding of interior panels except for repair purposes, patching.
 27. **Tires** must be low aggression on all 4 wheels. Breaking of this rule may result in disqualification. Tires must be air filled only. No split rims, no solid tire, no welding stem protectors, bead locks, fastening of tires to rims, studs. All wheel weights must be removed. Tires may be doubled. No triple sides on the drive wheels.
 28. All rubber stock **body mounts** and stock sized bolts required. Repairs to the body must be done with similar gauge metal, no reinforcing.
 29. **The front and rear window** openings must have a minimum of 1 single steel bar or chain from the cowl or parcel shelf or similar surface to the roof, bolted or welded. Maximum bar size 2' x 2"
 30. **Rear bumpers** must be of stock design or removed. Rear bumper shocks may be welded to prevent falling off or reinforced by flat steel or tubing, do not overly reinforce. The last 6" of the sub frame may be improved to keep the bumper but do not overly reinforce. See Rule #25 regarding wiring. Plastic bumper covers must be removed.

 31. **Front bumpers** may be replaced with any reasonably sized car bumper of the same length and approximate year as your vehicle. Bumper shocks may be reinforced with tubing or flat steel to keep them attached. The last 6" of the sub frame may be improved to keep the bumper but do not overly reinforce. See Rule #21 regarding wiring.
 32. **Transmission coolers:**
 - Option A – These are permitted but must be secured in the engine compartment and covered with a non-flammable cover to protect the driver and volunteers from hot pressurized oil. The transmission dipstick must be secured in place, wired down or have an overflow tube directing the fluid to the ground.
 - Option B – These may also be behind the driver's seat. It must be securely fastened and covered completely with a sheet metal shroud. 2 x 1" minimum holes must be made in the floor directly beneath the cooler. Hoses must be

protected and covered with a non-flammable material that will withstand pressure. Hoses must be rated at 2500 psi single brad hydraulic hoses with **press fittings** only, and rated at 250 degrees Fahrenheit plus.

33. No welding of **frame** seams. Damaged frames may be repaired using 4" x 4" patches; these patches must not overlap. Do not reinforce. Patches must be painted with a bright colour. No other frame painting.

Not Mandatory but Highly Recommended

One roll bar up each door frame, inside or across outside the roof. Roll bars going across the roof can be bolted/welded to the roof. The roll bar may be welded or bolted to the inside of the rockers or to the frame. Down bars off the seat/side bars can extend down to the floor/frame, "feet" on the bottom of the down bar no bigger than 5" x 5". They must in no way come into contact with the transmission/engine cross member, if bolted in, washers on the bottom no larger than 2". One additional bar may be added behind the seat, welded or bolted, from roll bar to roll bar. One bar may also extend down the inside of both front doors and be welded to the dash bar for safety creating a square around the driver. No excessive use of materials. **SINGLE bars only.** Cage not to extend past the back of the driver's seat. Bar over roof cannot be attached to any other bar on the car except the rear seat bar, not to the rear window, dash, side or front window bars. A bar can run between the seats joining the dash and seat bar together for mounting the shifter. This bar must not be attached to anything else. **ALL CAGE/HALO/GTP material 3" minimum to 4" maximum round or square tubing.** No angle iron or C channel. Not mandatory.