Overview

All cars entered for any Goblin event organized by GreenpowerUSA will be built only using components supplied by Greenpower in the Goblin kit car, or subsequent replacement parts and upgrades. All cars must, in addition, comply with the following regulations. All cars will be subject to pre-event and possible post-event scrutineering (race day safety check) to ensure compliance.

Remember that the project is for the benefit of the young people involved. It is important to ensure that they are as involved in as much of the build and bodywork design of the car as possible.

Technical Regulations

T1.1 The motor is sealed by the manufacturer and must not be opened.

T1.2 Outside of the race vehicle, charging of the batteries is only allowed up to a designated time at the event. There will be a designated cutoff time at which all batteries must be removed from their chargers. This information will be provided via Supplemental Regulations provided by the Race Organizer.

A battery quarantine/charging area will be identified at all race sites to ensure safety.

T1.3 Batteries must be clamped to the chassis of the car using the supplied battery clamp only.

T1.4 The floor of the car must be fitted with no large gaps to the ground.

T1.5 The top of the driver’s crash helmet must be below roll bar height at all times.

T1.6 The driver must be able to reach and operate steering and brakes comfortably.

T1.7 Bodywork must cover the entire length of both sides and the front of the car.

T1.8 Bodywork must not cover isolator switches which must be freely accessible at all times.
T1.9 There must be no sharp edges on bodywork.

T1.10 Bodywork at the front of the car must be made of deformable material.

T1.11 The brakes must be correctly set up, so that when applied, prevent the car from being pushed.

T1.12 The safety harness must be tightly adjusted for each driver.

T1.13 Drivers must be enrolled in Grades 4-6 only.

T1.14 Safety equipment must be worn at all times when driving:

- Full face crash helmet with chin protection, securely strapped in place.
- Visors or eye protection must be used.
- Long hair must be tucked into crash helmets or clothing.
- Coveralls or long-sleeved tops and pants.
- Full sturdy gloves, not fingerless/half finger gloves.

T1.15 All drivers must know about all aspects of the car, especially how to isolate the power.

T1.16 It is recommended that all drivers have experience in driving before arriving at an event.

T1.17 Always transport and charge batteries in a safe environment where there is no danger of metal parts coming into contact with the battery terminals. Always charge in accordance with manufacturers’ instructions.

T1.18 Bodywork that protects the driver must be constructed of rigid sheet material such as aluminum; rigid plastics; carbon fiber; glass-reinforced plastic or other composites of at least 0.06 in. (1.5 mm) thickness. Plywood products must be at least 0.12 in. (3 mm) thick. The skin must form a continuous protective layer and be securely attached directly to the driver’s cell so as to be unlikely to fail as a result of an impact.

**Note:** Corrugated plastic will also be observed as a suitable body material as long as it is supported with a 1 in. (25 mm) thick closed-cell foam backing.

T1.19 Inner faces of the bodywork specified in T1.18 will be lined with a minimum of 1 in. (25 mm) thick closed-cell foam from the floor to the driver’s cell opening to protect a substantial part of the driver’s body. This foam must be bonded to the bodywork.
GreenpowerUSA
Goblin Rules and Technical Regulations
2019-2020

Terms of Entry

By entering for any GreenpowerUSA Foundation organized event, the team are agreeing to the following Terms of Entry.

1. Published regulations may be subject to change. In the event of this happening, notification will be sent to all entered teams and posted on the Greenpower website.
2. All vehicles will be subject to pre-event and possible post-event scrutineering to ensure compliance.
3. The vehicle and required drivers must be presented at scrutineering (race day safety check) in a race ready configuration.
4. Supplementary Regulations specific to each event will be published approximately two weeks beforehand and sent by email to all entrants for that event.
5. Greenpower’s scrutineers and officials accept no responsibility for damage caused to cars while performing safety checks, recovery or rescue during an event.
6. While these regulations, the scrutineers and other officials endeavour to ensure vehicles are safe to participate, ultimate responsibility lies with the entrant.
7. While compliance with the Technical and Sporting Regulations should result in a compliant vehicle, race officials reserve the right to prevent a vehicle racing. A vehicle deemed unfit may, following modification and further inspection, be permitted to race.
8. It is understood that all persons participating in events under these rules are doing so at their own risk and the entrant will ensure that all competitors will have disclaimers (as provided by the Race Organizer) signed by their parents or guardians prior to competing.
9. Greenpower ensures that Public Liability and Personal Accident Insurance for participants is always in place for events under their control and accept no liability for events organized by third parties or team practice sessions.
10. As part of the communications activity, GreenpowerUSA regularly uses photography for publicity purposes. Entrants must ensure all participants are aware of this and the necessary permission is obtained. If permission is not granted, GreenpowerUSA must be notified prior to every event in which the participant takes part.

Team leaders with less able students wishing to participate, who may have special requirements with regard to the regulations, should contact GreenpowerUSA who will be pleased to assist in any way possible.