

S.L.S. SCOUT TRUCK RALLY RULES 2021

To the Scouts: Welcome to the 2021 SLS Scout Truck Rally! We hope you're looking forward to having a lot of fun designing, building and racing your very own Scout Truck, even if done so virtually. It's exciting to think that you can design your Scout Truck to be just about anything! You can make it look like your dream truck or even something no one's seen before. That kit of wood in the Scout Truck Kit can become just about anything you can imagine.

To the Parents: We are pleased to present the latest edition of the Scout Truck Specifications. The regulations contained in this document are common to Scout Truck Rallies throughout Ontario and are reviewed annually to maintain the spirit of fair competition amongst our Youth. We enjoy seeing the excitement of the Youth on Race Day, and we hope that you share in their feeling of accomplishment as they watch the Scout Truck that they have built cross the finish line. We would ask that you provide guidance to your Scout through the construction process, allowing them the freedom to bring their designs from the paper to the track, while instilling in them the value of fairness in competition. **Always remember: A broken rule, a disappointed Scout.**

First and foremost, the intent of the 2021 SLS Scout Truck Rally event is for all registrants to have fun building and racing a Scout Truck of their own design, through a means that promotes fair play, friendly competition and positive social engagement with other racers, while responsibly maintaining social distancing.

Scout Trucks found not to meet all requirements listed below will be relegated to the alternative “fun” race component of the Rally, where times will be recorded and provided to participants, but not counted towards competition or the awarding of prizes for speed.

Registration of a Scout Truck for participation in the 2021 SLS Rally will be viewed as an acknowledgement by the Entrant that they have read these rules completely and agree to abide by them and all race day decisions made by race officials.

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1) Scout Truck Kits

Include:

- a. Blocks of wood and hardboard panels for trailer
- b. 18 wheels
- c. 10 nails (axles)
- d. 1 trailer pin, dowel for fuel tanks and stacks and front bumper

Scout Trucks must be constructed from the material supplied within the kit. Those making a “tanker truck” design may incorporate an additional “pringles” type cardboard cylinder.

2) Scout Truck Design Specifications:

- a. Overall width not to exceed **80 mm**
- b. Overall length between front bumper and the back of the rear wheels mounted on the trailer not to exceed **382 mm**
- c. Overall height not to exceed **76 mm??**
- d. Wheels must be a minimum of **45 mm** apart in width, and no wider than **84 mm** in order to clear the track and not interfere with other trucks racing. With no modifications to them.
- e. Clearance between the Scout Truck body and the track must be a minimum of **10 mm**.
- f. No part of the Scout Truck may overhang or extend beyond the start barrier. If a Scout Truck is constructed in such a way that it does, the truck may not be able to race.
- g. Wheels shall not be shaped, profiled or machined, but may be lightly sanded to remove mould flashing or burrs.
- h. Scout Trucks shall be free-wheeling and must be propelled only by the force of gravity.
- i. No starting mechanisms (e.g. motors, magnets, etc.) shall be permitted.
- j. Bearings, washers and bushings on wheels and axles of any kind are prohibited.
- k. The fifth wheel pin is to be used to attach the cab and trailer and should be left so that the cab and trailer can swivel.
- l. Scout Trucks may not ride on springs or have a suspension of any kind.
- m. All eighteen wheels of the Scout Truck must touch the track surface

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at the same time while racing.

- n. Wheels shall be mounted to the Scout Truck so that they are vertically square to the track surface and the full flat portion of the wheel shall be in contact with the track surface (in other words, Scout Trucks are to have ZERO wheel camber).
- o. Scout Trucks that have previously raced as part of a SLS Rally are prohibited.

3) Scout Truck Weight Specifications:

- a. The Scout Truck cannot weigh more than **800 grams**, with weight for the Scout truck to be secure and visible in the trailer.

4) Finishes:

- a. Wood fillers may be used to fill scratches and joints.
- b. Glue may be used for joining parts and filling scratches and joints.
- c. Paints and enamels may be used for finishing.
- d. Wood fillers, glue, and paint or enamel may not be used in forming parts of the Scout Truck.
 - i. (e.g. molding fenders from glue and sawdust is not allowed)
- e. **DO NOT PAINT the bottom of the Scout Truck**, this area is to remain unfinished for identification.
- f. All entrants must have the following information in ink on the unpainted bottom of the Scout Truck:
 - i. The Scout's Name
 - ii. The Scout's Age (as of Dec 31, 2020)
 - iii. The Scout's Scout Group
 - iv. Reference to the current year: 2021
- g. Any decals that are used must be secured on the Scout Truck with either glue or the finish.
- h. The final paint or finish of the Scout Truck shall be dry to the touch upon submission. Scout Trucks with wet paint or finish shall not be eligible for racing as this may affect the track and, by extension, other Scout Trucks.

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5) Lubricants

- a. Light oil or graphite powder may be used as lubricants for the wheels and axels but must be placed on the vehicle prior to submission for racing. No excess lubricant is permitted and no “top ups” between races will be administered.
- b. Each Scout Truck will be assessed for excess lubricant by the officials on race day and the officials have sole responsibility for this judgement. If a Scout Truck is judged to have excess lubricant it will be relegated to the alternative “fun” races of the event where times will be recorded, but not counted towards the competition or awarding of prizes for speed.

6) Attachments

- a. Details and attachments may be added providing they are securely fastened and do not exceed the maximum width, length, height and weight specifications.

7) Entries

- a. Only one Scout Truck may be entered per Scout.
- b. Upon registration each Scout Truck entrant will receive a registration number for their vehicle. The registration number is to be displayed at the top rear of the Scout Truck base. Only the registration number is to be used on the Scout Truck, no other numbers are to be shown.
- c. Scout Trucks that have previously raced as part of a SLS Rally are welcome to register as participants in the Scout Truck Fun Races.
- d. The cost for registration for the 2021 SLS Rally is **\$7.00** per Truck.
- e. All registered entries receive a 2021 SLS Rally event badge.
- f. 1st, 2nd and 3rd place prizes will be awarded for fastest Scout Truck and for best Scout Truck design, determined exclusively at the discretion of the race officials.