

2025 Cherokee Area Council Pinewood Derby International Towing Museum - March 8, 2025

Below are the rules that must be followed. Cars will be verified before the race. Once a car has been checked-in, no further modifications can be made unless directed by race official.

Cub/Scout/Open Race Rules

1. No lubricating oil or liquid may be used. Axles may be lubricated with powdered graphite or silicone. This will be strictly enforced to protect the track.
2. Weight shall not exceed 5.0 ounces as determined by the check-in scale. Check in scale goes to 5.000, must be at or below 5.009 on the official check in scales.
3. The width of the car, including tires & axles, shall not exceed 2-3/4 inches.
4. The height of the car, including tires & axles, shall not exceed 5 inches.
5. The total length of the car shall not exceed 7 inches.
6. The front of the car shall be flat at least 1/2 inch wide at the center for contacting the start pin.
7. All 4 wheels must be installed on the sides of the car directly across from each other to ride on the outside of the center rail (1-5/8 inches) of the track and to allow the car to stay in its lane.
8. Axles, wheels, and body shall be from the materials provided in the kit. Alternate Colors of official BSA wheels can be used and purchased from the Scout Shop. Axles cannot be manufactured from a different material and shaped to conform to the dimensions of the official BSA axles. No chrome, nickel plated, or coated axles permitted.
9. Official BSA letters and markings must remain on the outside and inside of wheels.
10. Wheel bearings, sleeves, washers, inner wheel shields, and bushings are prohibited.
11. The car shall not ride on any kind of spring or suspension system.
12. Low hanging weights will often drag on the track. Bottom clearance shall be 3/8".
13. The car must be freewheeling, with no starting devices. Cars can only be propelled by gravity - no magnets, rockets, compressed air, or anything flammable. Additionally, the car may not be constructed in such a way that the track's starting mechanism adds momentum to the car.
14. No part of the car may extend forward of the point where the car touches the starting pin.
15. No loose materials of any kind are allowed in the car.
16. Cars may not be touched by parent or racer once checked in, with the exceptions of a crash, the car is not able to finish a race, or race official asks for a repair to be made (repairs will be completed in front of race official, no relubrication allowed.) Race officials may also permit Cub Scouts to stage their own cars. Improperly secured weights that fall off must remain off the car. Adjustments or lubrication not allowed after the car is checked in.

Outlaw Race Rules

1. No lubricating oil or liquid may be used. Axles may be lubricated with powdered graphite or silicone. This will be strictly enforced to protect the track.
2. The width of the car, including tires & axles, shall not exceed 2-3/4 inches.
3. The height of the car, including tires & axles, shall not exceed 5 inches.
4. The total length of the car shall not exceed 7 inches.
5. The front of the car shall be flat at least 1/2 inch wide at the center for contacting the start pin.
6. All 4 wheels must be installed on the sides of the car directly across from each other to ride on the outside of the center rail (1-5/8 inches) of the track and to allow the car to stay in it's lane
7. Low hanging weights will often drag on the track. Bottom clearance shall be 3/8".
8. The car must be freewheeling, with no starting devices. Cars can only be propelled by gravity - no magnets, rockets, compressed air, or anything flammable. Additionally, the car may not be constructed in such a way that the track's starting mechanism adds momentum to the car.
9. No loose materials of any kind are allowed in the car.
10. Cars may not be touched by parent or racer once checked in, with the exceptions of a crash, the car is not able to finish a race, or race official asks for a repair to be made (repairs will be completed in front of race official, no relubrication allowed.) Improperly secured weights that fall off must remain off the car. Adjustments or lubrication not allowed after the car is checked in.