

Pack 551 - 2017 PINWOOD DERBY OFFICIAL RULES

1. The car must be Cub Scout made, but adults are encouraged to assist their Cub Scout.
2. Car must have been built in the current Scout year. Cars made in previous years may not be raced in the Scout divisions.
3. The car must be made from the official BSA Cub Scout Pinewood Derby Kit using official BSA approved parts.
4. The axle locations may not be moved from the original locations **relative to the ends of the car. No wheel bearings, bushings or washers of any type may be used.**
5. The official BSA wheels must be rigidly attached in those slots with the nails from the original kit. Wheels may be sanded to remove ridges, but **they may not be tapered or narrowed. THE ROLLING SURFACES OF ALL FOUR WHEELS MUST TOUCH THE TRACK. If only three wheels touch the track, or if only the wheel edges touch the track, this provides an unfair advantage and cannot be permitted.** No wheel modifications will be allowed (thinning, tapering, holes, shaving, etc.) except as expressly stated to remove mold flash. "Lathe type" turning of the wheels is not allowed. All detail marks must remain visible on the entire wheel.
6. The maximum weight of the car (and accessories) may not exceed 5 ounces (141.75 grams). Scales will be available at registration so final adjustments can be made. The scale used at registration and race will be the official scale.
7. Dimensions are as follows:
 - Width cannot exceed 2-3/4 inches (including wheels and axles)
 - Length cannot exceed 7 inches
 - Ground clearance must be at least 3/8 inches
 - Height cannot exceed 3 inches to clear timing device (Pack 551 waives this rule)
 - Minimum width of car where axles are inserted into the body must be 1-3/4 inches
8. Added accessories such as windshields, driver, etc. are permitted from any source and may be used as long as dimensional and weight restrictions are met. Accessories must be permanently attached. No loose material or any kind is allowed in or on the cars. Cars with wet paint will not be accepted at registration.
9. Only dry lubricant can be used. Hubcaps or any other material may not be installed on the wheels in such a way as to hold the dry lubricant against the axle.
10. Car may not have any type of springs or any self-propelling starting device.
11. All cars will be weighed and measured at registration and must pass inspection in order to race. Officials in charge of event will have final authority to determine eligibility to race. Participants are responsible for providing tools or materials for repair before or during race.
12. Once car is registered, no further adjustments or repairs may be made to the car.
13. If during the race a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc. the heat will be rerun. Repairs may be made, but no additional lubrication may be used. If the same car gets into trouble on the second run, then the car will be removed and a third heat will be run without the offending car. The offending car will be given a time equal to the slowest time in the third heat.
14. In order to advance to District level, the car must be registered to a current Tiger, Wolf, Bear or Webelo Scout and must have won first, second or third in speed or show category.