

South Carolina Conference

Ranger Derby Rules

1. Car Kit. The only authorized car kits that can compete in the Royal Ranger Conference/District/or Outpost competitions are the Official Royal Ranger Derby Kits from Lifesprings Resources Item # 4710040.

2. Race Car Specifications.

- a) Overall width not to exceed 2 3/4 inches.
- b) Minimum inside dimension (width) at wheels 1 3/4 inches.
- c) Overall length not to exceed 7 1/2 inches.
- d) Overall height not to exceed 3 inches.
- e) Minimum ground clearance 3/8 inches.
- f) Total weight not to exceed 5.5 ounces.

3. Race Car Restrictions.

- a) No washers, bushings, spring suspension, or bearings may be added to wheels.
- b) No loose materials are permitted.
- c) Weights cannot be taped onto the car.
- d) Cars must be freewheeling, no starting attachments allowed.
- e) A racecar may only be raced for one year.
- f) Each car will be allowed to register in only one category per level of racing during a racing event.
 - 1) Category defined as Ranger Kids, Discovery Rangers, Adventure Rangers, etc.
 - 2) The level of Racing is defined as Outpost, District, and Conference etc.

4. Lubrication. Only dry lubricants such as graphite or powdered Teflon (white lube) will be allowed for lubricating the axles.

5. Wheels and Wheelbase.

- a) Wheels must be as supplied in the kit, no alterations permitted. (Minor sanding of wheels to remove imperfections is allowed.)
- b) Wheel base must remain as received in the car kit. Wheelbase is defined as the distance between axles. The only Wheel base alteration allowed is changing the depth of the axle slot in order to modify the ground clearance of the car. The car must still conform to all specifications in Rule 2. Conference Derby Rules and Guidelines 01/15/15

6. Inspection. Race officials will inspect cars at registration and will disqualify those cars that do not adhere to these rules. Those cars that pass inspection will be impounded. Once a car is impounded no modifications, lubrication or adjustments will be allowed until the end of racing.

7. Food. No food or drink is allowed near the track, inspection area or car impounds area.

8. Track. No one is allowed to cross the track at any time, except race officials.

9. Loose Parts. Cars which loose parts during a race, except a wheel, may not have that part re-attached. The car shall be taken to any Derby Staff for evaluation. The Derby staff will make a determination if and what work will be allowed on the car. The car owner will have 5 minutes to make the allowed repairs under Derby staff supervision. **Under no circumstances will anyone be allowed to add lubrication to the car.**

10. If a car comes off its track during the race this car will be allowed 1 rerun during the entire race event. The race round will be reset and that race rerun.

- a) Should the same car run off its track again during the race day no rerun will be allowed.
- b) Should this car interfere with other cars it more than once it will be disqualified.
- b) Any car knocked off its track by the first car is not subject to this rule and will be allowed to rerun that race.

11. Attendance. Derby Staff will determine whether a car will be allowed to race without the registrant in attendance.

12. Outlaw Class. As the name implies, this is a class in which you can use all your ingenuity and imagination. There are a few simple rules to follow.

- a) Any car kit may be used, or the car may be built from scratch.
- b) The car may not be entered in another class.
- c) Standard specifications listed in rule 3 are waived; however, the car must fit on the track, run on the track without interfering with other cars, and meet d) and e) below.
- d) No car shall weigh more than 32 oz. (908 grams).
- e) No car may exceed 12" in length.
- f) All other Royal Rangers Ranger Derby rules apply.

13. NO ONE other than race officials may handle a car during the race. If a car comes off the track at the end or the sides, a race official will collect the car to determine if any damage occurred. If anyone other than a race official picks up a car that car may be disqualified and/or the person who handled the car may have their car disqualified.

South Carolina Conference Royal Rangers

Ranger Derby General Guidelines

1. Cars for any Ranger's category of competition should reflect the work of a boy himself or the work of a boy and an adult. No car should be entered into competition that does not reflect to some extent the work of a boy. The work should reflect the ability of the boy according to age.

Example: A Ranger Kid may only be able to sand and paint a car, where an Adventure Ranger should be able to completely build the car.

2. Trophy sizes will be determined by the height of the trophy column (this does not include base or headpiece).

a) The following is a list of recommended column heights for various levels of racing:

| | <u>First Place</u> | <u>Second Place</u> | <u>Third Place</u> |
|-----------------|--------------------|---------------------|--------------------|
| Conference Race | 6 inches | 5 inches | 4 inches |
| District Race | 5 inches | 4 inches | 3 inches |
| Outpost Race | 4 inches | 3 inches | 2 inches |

b) Trophy sizes for 'Best of Show' will equal the first place trophy for that level of racing.

3. Categories for adults and non-Rangers are encouraged. Ribbons may be given in place of trophies for these events.

4. Judging of cars for "Best of Show" will be by the following formula:

- a) Originality---40%
- b) Workmanship---30%
- c) General Appearance---30%

5. Winners are to be determined by two commanders or electronic equipment at the finish line.

6. All contestants must remain clear of the "show car" judging area.

7. All races must allow each car to race at least twice.

8. Double Elimination By-Run Guidelines

- a) A Race Car may only receive one By Run.
- b) If the race time or speed can be determined, the By Run should be given to the car with the fastest time or speed (subject to the first guideline.)
- c) If the race time or speed cannot be determined, the By Run should be given rotating through the lineup (subject to the first guideline.)