

PINEWOOD DERBY GUIDELINES



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ALABAMA BAPTIST RA RACECAR GUIDELINES

RA Racecar racing is offered for boys as a fun activity. Keep it as fun and don't let competition mar the fun.

Sometimes the big race obscures one of the primary purposes of the derby, that of bringing a boy and his parents or another adult together in a creative, shared and meaningful activity of building a car. Occasions for such shared activities are all too rare. In years to come will the boy remember this race or the experience and time with his parents or a caring adult? Likely, he will have fond memories of his dad (mom, uncle, or leader) teaching him to use woodworking tools. If this process includes casual conversations, laughter and warm feelings, perhaps winning (or losing) the race is not very important in the long run.

The race should teach boys something about the nature of competition in a Christian manner. This means being gracious in winning (this needs to be taught), and at the same time having pride in doing one's best.

BUILDING GUIDELINES

Make copies of these guidelines for parents and others who may help a boy make a car.

To qualify for the association and state race, build according to the following guidelines.

- * **NUMBER ONE RULE** – If in doubt as to what you can do to your car, a general rule to follow is to do only what the majority of builders will do. Change only the shape, color, weight, and distribution of weight.
- * **Car** must be made of wood. Wheels and axles are to be those sold for the RA Racecar by RoyalRacers, under the sanction of the RA Program, or exactly like them.
- * **Overall width** of car, wheels, and axles shall not exceed 2 3/4", length 7". Weight should be 5 ounces or less. The distance between wheels (width) must not be narrower than 1 1/2". The distance between axles (length) must remain as they are on the standard RA Racecar (4 1/8" ± 1/8").
- * **Year Build: The car must be built within the church year that the car is raced.** THE MONTH AND YEAR must be PERMANENTLY placed on the bottom of the car by marker, paint, carving or stamping.
- * **Weight** must be 5 oz. or less. It may be added using most any material you desire. Make sure it is securely attached to the car. Please don't expect race officials to hold up a race while you re-attach weights.



- * **Identification:** For the State Race: The RA EMBLEM or some form of identifying the car as an **RA RACE CAR** must be visible on the car.
- * **Lubrication:** Only dry powder lubricants, such as graphite, may be used. Lubrication is to be done before presenting the car to the race officials.
- * **Wheels:** Scout or hobby store wheels are acceptable if they are the same as the wheels sold by RoyalRacers. Wide wheels 3/8 inch and 1/4 inch tapered wheels are approved. Wafer wheels are not acceptable. Washers, solid axles, running on three wheels or any other changes/additions, which the majority of participants throughout the state do not do, is illegal.
- * **THE FIRST AND LAST RULE OF BUILDING A RA PINEWOOD DERBY CAR IS... DO NOT DO ANYTHING TO YOUR CAR THAT THE MAJORITY OF BUILDERS/RACERS DO NOT DO!**

RACE INSPECTION AND RULES (Race Officials)

1. Each car must pass inspection by the Race Officials before it may compete. Car owner will be informed of the violations of the set rules and given an opportunity to modify the car to meet these rules prior to the race.
2. If there are any questions of the rules, please ask a member of the Race Officials for an interpretation of these rules prior to the race.

RACE PROCEDURES

1. Heats - All races will be run on a system of elimination by heats or by time averaging.
2. Starting - Cars must start by gravity from a standstill, at a starting line on the track, without any help. No pushing will be allowed.
3. Leaving the Track - If any car leaves the track on the first run, there is no contest. The race will be re-run. If the same car leaves the track on the second run, the car is eliminated from the race.
4. Mechanical Problems - If the car suffers a mechanical problem, loses an axle, breaks a wheel, etc., and a repair can be accomplished in a reasonable time, (5-10 minutes), the heat will be run again. If not, the car will automatically lose the heat.

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Additional information and printable order forms are available online at:
www.maketrackscompany.com

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*Phone orders accepted at: (931)935-8201

*Fax number: (931) 935-8203

* Pinewood derby car kits can be obtained from:

www.maketrackscompany.com

931-935-8201

Royal Racers

ROYAL RACERS ORDER FORM

Date _____

Customer Name _____ Phone No. _____













Address _____

City _____ State _____ Zip _____

Ship to (If not the same as above) _____

Address _____

City _____ State _____ Zip _____

A. Block <input type="checkbox"/> 	B. Stock Car <input type="checkbox"/> 	C. Fastback <input type="checkbox"/> 	D. Pickup <input type="checkbox"/> 	E. Speeder <input type="checkbox"/> 	F. Wedge <input type="checkbox"/> 
G. Roadster <input type="checkbox"/> 	H. Funny Car <input type="checkbox"/> 	I. Windracer <input type="checkbox"/> 	J. Classic <input type="checkbox"/> 	K. Flash <input type="checkbox"/> 	L. Thunderbolt <input type="checkbox"/> 

Car kits are packaged individually whether purchased individually or in bulk quantities. All plain kits include one piece of wood (block or shape), one set of wheels, one set of pin axles, number stickers, and instructions. Deluxe kits include all the items in the plain kits plus the car base is routed to receive the stick-on weights that are included in the deluxe kit.

Please check wheel choice: 1/4 inch tapered wheel _____ OR 3/8 inch wide track wheel _____

Quantity	Plain Kits Block	Plain Kits Shaped	Deluxe Kits Block	Deluxe Kits Shaped
1-24	4.50	5.75	7.75	8.95
25-49	4.25	5.50	7.50	8.75
50-up	4.00	5.25	7.25	8.25

Fill in ordering quantities and total price in the following blanks:

	Quantity	Price Each	Total Price
Plain Block Kits	_____	_____	_____
Plain Shaped Kits	_____	_____	_____
Deluxe Block Kits	_____	_____	_____
Deluxe Shaped Kits	_____	_____	_____
Extra Wheels & Axles	_____	_____	_____
Extra Weight (3 oz.)	_____	_____	_____
Routed Bottoms	_____	_____	_____
Tube of Graphite	_____	_____	_____

Check Enclosed _____

Bill Us _____

Total \$ _____