

OFFICIAL RULES & REGULATIONS – DISTRICT FINALS / OPEN RACE

REQUIREMENTS

- 1) Cars must be made by the Scout in the current year.
- 2) Dimensions of the car shall not exceed **7" length x 4" height x 2 $\frac{3}{4}$ " width** including the wheels. Wheels must be at least **1 5/8"** apart, with track clearance at least **3/8"** under the car. Adding fenders or parts to the sides is fine, so long as they don't exceed the maximum width.
- 3) The weight of the car shall not exceed **141.7 grams (5.0 oz)** on the official race scales.
- 4) Scouts may sand and polish their own wheels and axles. New axle holes and differing wheelbases are allowed. The car **MUST** be freewheeling.
- 5) The front of the car must have a **FLAT** edge to accommodate the starting post. No part of the car may extend past the starting post. No car may ride on any kind of spring or use a starting device.

PROHIBITED

- 1) Wheel bearings, washers, bushings, or hubcaps are not allowed. Grooved or machined axles and wheels are strictly prohibited.
- 2) Wheels that have been rounded, thinned, wafered, machined, weight reduced, or otherwise modified will not be allowed. Rough edges and mold marks may be removed, and the wheels may be polished. Coned hubs are allowed. The beading must be intact, and the BSA stamping must be visible.

Wheels modified beyond what a Scout can reasonably do WILL NOT BE ALLOWED TO RACE.

- 3) No 3-wheelers or canted axles. **All four wheels must TOUCH and ROLL FLAT on the track.**
- 4) Axles may be lubricated with **dry lubricants** only, such as graphite. All lubricants must stay on the car and must not foul the track. **Oil based or liquid lubricants are prohibited.**
- 5) Only BSA official parts are permitted. No parts manufactured, modified or machined by any third party are allowed.
- 6) Replacement wheels for color/style are allowed, but they **MUST** be official BSA wheels with the stamping clearly visible. Packaging should include the official BSA marks.