

### 1. Length, Width, and Clearance:

- a. Maximum overall width (including wheels and axles) shall not exceed 2-3/4" to prevent interference with the adjoining lanes of the track.
- b. Width between wheels shall not be altered so car will clear the center guide strip.
- c. **Minimum clearance between bottom of car and track shall be 3/8" so car will clear the center guide strip.**
- d. Maximum length shall not exceed 7". Cars shall have a relatively blunt front-end to lean squarely against the starting device. Vehicles with pointed fronts will be turned around to run rear first.
- e. The block of wood shall be from the official BSA kit with the axel locations clearly visible. Wheel locations may be re-drilled due to mis-production of the official BSA block of wood but the axles that come with the kit must be used.
- f. The car shall be from this program year. Use of PineCar vehicles or wheels will disqualify the vehicle.

### 2. Weight and Appearance:

- a. Weight shall not exceed five (5) ounces. The readings of the official race scale shall be final. The car may be hollowed out and built up to the maximum weight by the addition of wood or metal only, provided it is securely built into the body or firmly affixed to it. Weights which hit the measurement tool under the car will have to be moved to allow for clearance. No loose materials of any kind are permitted in or on the car.
- b. Mercury or other non-solid material shall not be added to the car.
- c. **LEAD is DISCOURAGED** to be used in the car in any way. **\*\*\* (health hazard) \*\*\***
- d. Details, such as steering wheels, driver, spoiler, decals, painting, and interior details are permitted as long as these details do not exceed the length, width, and weight specifications. All must be securely adhered to the car.
- e. Cars with wet paint will not be accepted.

### 3. Lubrication:

- a. Only dry powder lubricants, such as graphite may be used. Regular oils and some sprays may soften the plastic wheels.
- b. Cars may be lubricated before inspection. No further lubrication will be permitted during the races.

### 4. Wheels and Axles:

- a. **Only official BSA Grand Prix wheels and axles, either the original Grand Prix wheels in the box kit or the official Grand Prix colored wheel and axle kits, sold separately, may be used. Wheels may be sanded to remove the mold projections on the tread, but shall not be shaped. Beveling, tapering, thin sanding, wafering, lathe turning, or other modifications are prohibited. Use of modified wheels will be cause for disqualification.**
- b. Wheel bearings, washers, and bushings are prohibited.
- c. The car shall not ride on any type of springs or other suspension.
- d. The car must be freewheeling with no starting device or other propulsion.
- e. All four (4) car wheels must make **FLAT** contact with the track; **No "3-wheeled" cars will be allowed. No angled axle. (Wheels that run on the edge will be disqualified). NO SPEED AXLES**

### 5. Ground Rules:

- a. The race will be electronically judged. If a malfunction occurs, human judges will be appointed by the Pinewood Derby Coordinator. They will be at the finish line. ALL judges must agree on the winner or the heat will be rerun.
- b. If a car jumps off the track, the track will be checked and the heat will be run again. If the same car jumps the track a second time (in the same heat), it will automatically lose the heat. The default time assigned by the track will be used as the final time.
- c. If a car leaves its lane and interferes with the other cars, the heat will be run again. If the same car leaves its lane and interferes with the other cars a second time, the interfering car will automatically lose the heat. The race will be run a third time, this time without the interfering car.
- d. If a car suffers a mechanical problem, (meaning the car cannot get down the track, such as losing an axle, breaking a wheel, etc., the racer, or designee, will be allowed two (2) minutes for repair and the heat will be run again. If the repair cannot be made within the allotted time, the car will automatically lose the heat. Repairs will be performed in the designated Pit Area and will be witnessed by a judge. No modifications other than the repairs will be allowed. Officials may not assist with the repairs.
- e. Only race officials and authorized individuals will be permitted in the registration and track areas.
- f. All show cars shall conform to the Pinewood Derby Rules and Regulations.
- g. The Scout will race in the age group he raced in at the Pack Derby.
- h. Proxies will be allowed, providing an adult representative for the Pack is responsible for the proxy cars from their unit.

### 6. Inspection and Disputes:

- a. Each car must pass inspection by the official inspection team before it may compete. The inspection team has the responsibility to disqualify cars that do not meet the rules. Car owners will be informed of the violations and given a chance to modify their car to meet the rules.
- b. Any participant (including the parent of the racer) has the right to appeal to the race committee for an interpretation of these rules. The race committee by majority vote will be the final judge of these rules. In case of a tie vote, the decision of the race committee chair will be final.
- c. **Unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/or the race area.**