

PACK 77 PINEWOOD DERBY 2009 – Inspection Rules and Specifications

1. All cars must pass inspection and complete a successful weigh-in to qualify for the race.
2. The car must have been made during the current scouting year.
3. You must use the basic parts (car body, wheels and axles, etc.) provided in the basic BSA kit.
4. Additional car bodies, axles and wheels can be purchased from the scout shop as long as they are part of the basic BSA kit. No special or high performance wheels or axles can be used (even if such parts are approved by BSA).
5. Additional detail added to the car must meet the total length, width, height, and weight limits.
6. The length of the car shall not exceed 7 inches.
7. The width of the car shall not exceed 2 ¾ inches.
8. The height of the car shall not exceed 3 inches.
9. The distance between the wheels, measured from inside to inside must be 1 ¾ inches. This will allow the car to ride over the guide strip.
10. The minimum under-car clearance must be at least 3/8"; this is to allow the car to ride over the guide strip.
11. The distance between the front and rear axle must not be altered from the original kit. This distance is roughly 4 ¾ inches.
12. The weight of the car must not exceed 5.0 oz and the readings of the official race scale are considered accurate and final. The car's weight can be adjusted if needed during the weigh-in inspection. No weight adjustment will be allowed following successful weigh-in.
13. Light sanding of basic kit wheels will be allowed in order to remove the mold flashings on the tread. Beveling, tapering, thinning, lathe turning or other alteration to the wheels will NOT be allowed. Tread must remain full width and flat.
14. Wheel bearings, washers, bushings and hubcaps are prohibited.
15. Basic kit axles may be polished, lubricated, and burrs on the head may be removed.
16. Solid axles are not allowed and finished cars must allow. Ends of axles must be visible when installed on the car body in order to prevent use of solid axles.
17. Only dry powder lubricants such as white Teflon, or graphite are allowed, oils and sprays will damage the tracks and are prohibited. Lubrication will not be allowed after successful weigh-in.
18. The car shall not ride on any type of springs.
19. The car must be free-wheeling with no starting device.
20. The weight may be placed anywhere on the car, provided it is securely built into or onto the car. No loose materials of any kind will be permitted. No moving weight or liquid will be allowed.
21. ALL RULINGS BY THE JUDGES ARE FINAL

PACK 77 PINEWOOD DERBY 2009 – Racing Day Regulations

1. Once the car completes a successful weigh-in, it can only be handled by the race volunteer team until after the race.
2. If the car jumps off of the track, leaves its lane, interferes with another car, or loses a part before crossing the finish line the heat will be rerun. If the issue happens a second time, the car will be removed from the heat and not allowed to participate in subsequent races. The heat will be run a third time with the remaining cars only.
3. A car removed from the heat will not be able to qualify for speed awards.
4. If a car suffers a mechanical problem (broken wheel, lost axle, etc...). The participant will have up to five minutes to fix the car. Repairs must be observed by a race official.
5. ALL RULINGS BY THE JUDGES ARE FINAL