

# ALL CARS MUST PASS INSPECTION TO QUALIFY FOR THE RACE

## INSPECTION RULES:

1. No Brands are required this year. Please make sure that your scout creates his car.
2. Wood block provided in the kit must be used and can be shaped as desired so long as it meets the inspection criteria.
3. Car weight shall not exceed 5.0 ounces.
4. Overall car length shall not exceed 7 inches.
5. Car shall not be shaped to allow the furthest forward portion of the car to protrude beyond the edge of the starting gate. If the front of any car protrudes and the starter/judge is unable to adjust for a fair start, the protruding car shall be disqualified.
6. Overall width of car shall not exceed 2.75 inches or must fit within the confines of the lane on the official Pack Track.
7. Height is limited to allow adequate clearance on the official Pack Track, if it clears it is permissible, approximately 5".
8. Underbody ground clearance shall be a minimum of 3/8 inch.
9. Wheel to wheel width as measured on the inside wheel lips shall be no greater than 1.75 inches.
10. Wheels supplied with the kit or any Official Grand Prix Pinewood Derby Wheel shall be permitted. You may lightly polish the tread of the wheel to no smaller than 1.180 inches diameter. No other modifications are permitted to the wheels. Any evidence of modified wheels beyond what is permissible is cause for disqualification.
11. Axles as supplied with the kit shall be used, the shaft can be polished, and the head shall not be modified. Only dry lubricants are allowed. No lubrication allowed after car is checked in.
12. The axle's must be positioned in the pre-drilled axle slot on the wood block and shall not be covered, changed, modified or altered. Glue to secure the axles in place is accepted.
13. **Wheel bearings, MAGNETS, washers or bushings are prohibited.**
14. The car shall not ride on any type of spring.
15. The car must be freewheeling with no starting device.
16. No loose material of any kind is permissible, such as lead shot.
17. One car per registered scout is allowed. The only exception is for the Open Class for which there may not be a trophy or prize.
18. Any car that interferes with the timing device on the track shall be disqualified.

## **INSPECTION PROCEDURES & PROTOCOL**

- A. Each car shall pass inspection by an official inspection team member prior to racing. The official inspector(s) has the right to not accept any car that does not fully meet all specifications. If a car does not pass inspection, the car owner shall be informed of the specific reason(s) why the car is not in compliance. A car not in compliance may be modified to fully meet all specifications and resubmitted for another inspection. There is no limit to the number of inspections, but car must be presented to inspector prior to the close of check in.
- B. Any car may be re-weighed and/or re-inspected at anytime for cause as determined by the inspection team.
- C. In the event that a car is discovered to be in violation of any rule after racing has begun or ended, that car shall be disqualified and not allowed to continue racing.
- D. If a car is checked in after the close of check-in, the Cub Master and/or the inspection team may allow participation if time or scoring system permits.
- E. In the event that a car is damaged or becomes disabled, that car shall be returned to the owner so that it may be repaired to compete. Upon completion of repair(s) car shall be re-weighed and re-inspected for rule compliance and re-entered back into the race so long as repair(s) and inspection can be completed prior to the cars next scheduled heat.

F. Any dispute or question regarding any of these rules or procedures will be determined by the Cub Master and shall be final.

## **Open Class Rules**

### **Dimensions:**

- 1) All cars must fit the same dimension criteria as non-open class cars.
- 2) No overhang or protrusion from the front of the primary structure of the car is allowed.
- 3) Height is limited to what will clear the confines of the official Pack Track.

### **Weight:**

- 1) Open Class Cars will not exceed 6.0 ounces total weight.

### **Lubrication:**

- 1) Only dry lubrication is allowed, no other form is permitted.

### **Miscellaneous:**

- 1) All cars must be made from wood and can be from any kit or other source, the emphasis here is that it is expected that the car is actually built by the entrant(s) although pre-fabrication is not a means for disqualification.
- 2) Wheels, Axles & Axle Location can be modified without limitation, the only exception is that the wheels MUST be official BSA Wheels and any modification to the wheel that inhibits the identification of the authenticity to the "Official" designation of the wheel is grounds for disqualification.
- 3) Any car that is in question will have its eligibility determined by no less than 3 official Derby Representatives and that decision is final.
- 4) All other rules not specifically addressed in the "Open Class Rules" will refer to the Official Pack Rules as designated for non-open class cars.