

PACK 3385

Pinewood Derby Car Building Rules

GENERAL: (Applies to all Cub Events)

G-1. Essential Materials: All cars entered shall be constructed from the **Official Grand Prix Pinewood Derby Kit** (referred to below as **the kit**) as sold by the Scout Shop and issued by the pack. (Kits may be purchased elsewhere if they are of the exact type specified above.)

G-2. Competitor Categories: Cub Scouts will compete in Brackets "Cub Scout Year." In most cases this aligns with their year in school: Tiger = 1st grade; Wolf = 2nd grade; Bear = 3rd grade; 1st year Webelos = 4th grade. In the event of low participant #'s Brackets may be combined in the same run group.

G-3. Attendance: Only the Cub Scout may enter his car. This means that the Cub Scout must be present to enter his car into competition.

G-4. "New Work": Construction of entries must not have run in previous year's Pack Race.

G-5. "Competitive Spirit": all cubs and parents should conduct themselves in an appropriate sportsman like manner. Become familiar with the rules and most importantly have fun. *Each Cub and Parent must sign the acknowledgement waiver indicating knowledge of the rules and intent to comply.*

EVENT: Track:

Qualification: Each Cub Scout currently registered with Pack 3385 is eligible to enter 1 car.

Technical Standards:

Note: *the project of building the car should be a "Parent/Son Experience". Make sure your son is involved in all aspects of the project; encourage him to learn from this experience.*

The inspection judges at the Car check-in are responsible to evaluate each car's adherence to the technical standards. Their decision may be appealed to the inspection chairman and the event chairman, who, after consultation with the inspection team, the SCOUT, and his parent/assistant, shall render a final, binding decision.

T-1. Material: Race cars shall be constructed for this event from the parts contained in the **Official Grand Prix Pinewood Derby Kit** (referred to below as **the kit**) as sold by the Scout Shop.

T-2. Weight: Race cars may weigh no more than five (5) ounces (total weight) as determined on the official scales during Car Check in and/or race day inspection.

T-3. Wheels and Axles: The car shall roll on the wheels from **the kit**. The wheels shall turn about the axle nails from **the kit**. The axle nails shall be firmly affixed to the wood of the car body. The axle dimensions may not be changed substantially. The outside surface of the axle head (the non-contact surface) may not be changed substantially, **It must be obvious to the judges that the wheels and the nails from the kit are being used.**

T-4. Size: Race cars may be no longer than 7 inches, nor wider than 2 3/4 (2.75) inches, nor taller than 3 inches, as determined by the official gages during tech. inspection. (Underside clearance of at least 3/8 (0.375) inches and inside wheel to wheel clearance of at least 1 3/4 (1.75) inches is recommended, so that the car will run on the racetrack. Adequate clearance is the responsibility of the race car builder.)

T-5. Weights and Attachment: Weight may be added to the car and will be considered part of the car for purposes of all measurements. "Weight" is considered to be any material on the car that is not provided in **the kit**. All weight must be securely fastened to the car, e.g. by permanent glue, nails or screws, but not by "sticky substances", e.g. tape, or tack spray. (Adhesive back weights and foil tape are the only acceptations). Weights shall be passive, i.e. non-moveable, non-magnetic, non-electric, non-sticky, etc.

T-6. Wheels: Wheel treatment (hub and tread smoothing and polishing) may not result in substantial removal of mass nor in reducing the tread (track contact) width from the original kit wheels. Wheel tread surface must be cylindrical. The words "Official B.S.A. Made in U.S.A." and other lettering on the wheels shall remain intact and clearly visible to the inspector. All 4 wheels must make physical contact with a level surface, i.e. "no trikes" Some of the original "tread marks" on the wheel face must be intact, i.e. apparent to the inspector.

T-7. Unacceptable Construction: The following may NOT be used in conjunction with the wheels or axles: hubcaps, washers, inserts, sleeves, bearings.

T-8. Gravity Powered: The race car may not be constructed or treated in such a way that the track's starting mechanism imparts momentum to the car. (For instance, this provision disqualifies cars with sticky substances on the front of the car and protrusions which may catch on the starting pin.)

T-9. Lubricants: Lubricants must be dry at the time of inspection and racing.

T-10. Staging: The entire car must stage behind the starting pin. (no inverted v or u notch car fronts)

T-11. Body: The car body may have no moving parts, and must use axle slots that maintain the same positioning provided in the stock kit.

Participant(s) Acknowledgement

I(we) understand the pinewood Derby Rules are posted on the Pack website In the Special Den Pinewood Derby area. The most recent revisions made on 11/13/2008 published version 2.

www.pack3385.org

I(we) understand my obligation to read and understand the rules and to the best of my ability comply with the Published rules set forth by pack 3385.

I (we) understand that any effort to build outside the rules can or will result in disqualification.

I (we) understand that at all times before, during and after the event, I (we) will conduct myself in a respectful sportsmanlike manner regardless of my cars final standings.

I(we) understand the most important part of the Pinewood event is to Do my Best and have fun and enjoy the experience of competition as well as accomplishment.

I (we) understand that Pack 3385 owns 2 tracks, a 6 Lane Race Track, and a 2 Lane Fun Track. At the conclusion of the Racing event after all awards have been presented boys will be permitted to run their cars in an orderly manner on the Fun Track only, no further racing or dry runs will be allowed on the 6 lane race track.

Parent (Guardian) I acknowledge at all times throughout the event my child's behavior is my sole responsibility and that he and his siblings are expected to abide by the pack code of conduct.

Signed:

(Parent/Guardian/Sponsor)

(Cub Scout / Participant)