



2019 Nawaganti District Pinewood Derby

“May the 4th be with You.”

These rules have been revised to allow everyone the ability to participate and have fun. They are based on the 2018 rules, but have been edited, both in content and for simplicity of reading.

ELIGIBILITY:

Open Registration: Lions, Tigers, Wolves, Bears, Webelos, Arrow of Light and Siblings. Everyone can participate. Registration will be \$10 per person, patch included. Packs are allowed to register any Cub Scout who is interested in racing, or siblings under the age of 10 years old may register online, as well. Pack leadership is responsible for submitting the official registration form, if applicable. ALL racers must be registered before racing begins. Racing will begin on Saturday, May 4th 2019, at Bass Pro Shop in Denham Springs - Start Time is 10:40am.

INSPECTIONS: PRE-RACE:

Inspections and Check-in: Friday, May 3rd @ Bass Pro Shop, from 6:00pm to 8:00pm. All registered cars will be allowed to compete. If your car raced at a pack level, then you qualify to race. Your car must pass a general inspection for compliance by the Inspection Committee. The Committee will inspect the car to make sure that it doesn't have any loose parts.

Once inspection is complete, your derby car will be placed in the ranks to race. If your car is not present during the scheduled time for official pre-race inspection, someone from the Inspection Committee needs to be notified. If a car does not meet the specifications listed, the racer will be allowed to fix any issues before the race. (Rules are not written in stone. It is up to the officials and PWD Chair to settle any issues. We will be flexible and fair). Once a car has been inspected and in the ranks, only unbiased race officials and designated Boy Scouts will handle the cars. If your car is damaged by a handler, you will be notified and given an opportunity to repair the damaged issue on the derby car so that it can race.

INSPECTIONS: POST-RACE:

There will NOT be any post - race inspections. Once a car has completed primary inspection and has raced, it will be held until all races are final, unless informed otherwise. Cars will be returned to the rightful owner. Please be present to receive your derby car. Awards will follow. Please don't leave until after the awards are presented.

It's all about Sportsmanship and Fun.

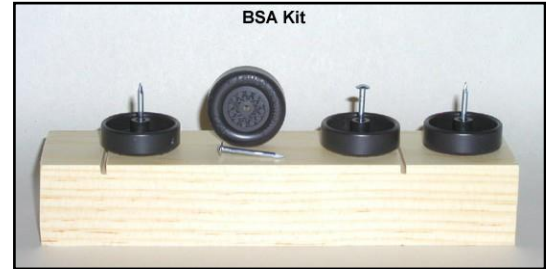
Questions should be directed to District Pinewood Derby Committee Chair, Randy Miller email: miller4546@bellsouth.net

Phone number: 225-910-2221.

Phone calls and text messages will be returned ASAP

CONSTRUCTION MATERIALS:

Cars must be constructed with wheels, axles, and pinewood block as found in the official "Grand Prix Pinewood Derby Kit" (referred to hereafter as "the kit"). Kits may be purchased from the Baton Rouge Scout Shop. (See #1 footnote)



RESTRICTIONS:

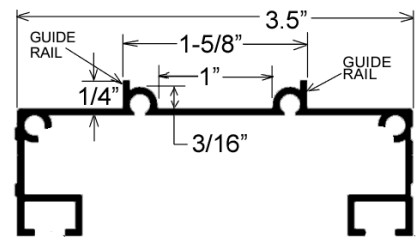
SIZE:

Cars (including wheels and any attached decorations or weight) shall:

1. NOT be longer than 7 inches
2. NOT be wider than $2 \frac{3}{4}$ (2.75) inches
3. NOT be taller than $2 \frac{3}{4}$ (2.75) inches
4. NOT be constructed such that any part of it protrudes beyond the starting mechanism

Cars must have underside ground clearance of at least $\frac{3}{8}$ (0.375) inches, and inside wheel-to-wheel clearance of at least $1 \frac{3}{4}$ (1.75) inches to clear the center guide rail of the track.

END VIEW OF SINGLE TRACK LANE



WEIGHT:

1. Fully-assembled cars shall weigh no more than five (5.00) ounces total, as determined by the official inspection-day scale. Weight may be added to any part of the car body to reach five (5.00) ounces, this will be considered part of the car for purposes of measurements. Weight should be attached to car by any means necessary. Weights should not interfere with the ground clearance of the car to the track.

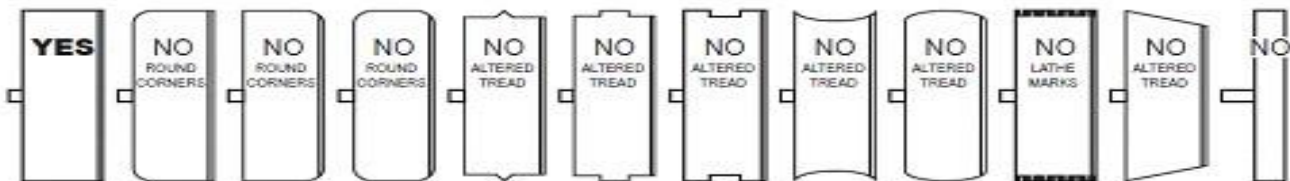
(See # 2 footnote)

¹ 9644 Brookline Ave, Baton Rouge. **NOTE:** All Pinewood Derby supplies available for purchase, at the Scout Shop, are legal. Check these rules before purchase. Only standard BSA wheels will be used. Please see below section labeled Wheels.

2. Weight must be securely fastened to the car by glue, epoxy, nails, screws, or high-adhesion tape. **IMPORTANT:** If you choose to use non-permanent fasteners such as tape, and glue or weights come off, you will be allowed to repair the car after impound. Graphite dust tends to make most tapes fall off, including duct tape.

WHEELS:

- The car shall roll on approved BSA Pinewood Derby wheels only.
- Official BSA alternate colored wheels and “old” or “new” BSA wheels will be acceptable. The wheels shall turn about the axle nails.
- Wheels cannot be altered to a beveled, conical, thinned, edged or knifed condition (see diagram below).
- Wheels may be sanded and polished or lathed to remove mold casting burs and surface imperfections. The small detailed dots on the edge of the wheels must remain visible around the entire circumference.
- There must be four wheels on the car, must sit flat on track, each mounted on an axle, on the outside of the car, in the vertical position, one across the car from the other
- No part of the car, or any attachment to the car, may be capable of coming into contact with the track other than the wheels (No guide pins allowed, please.)



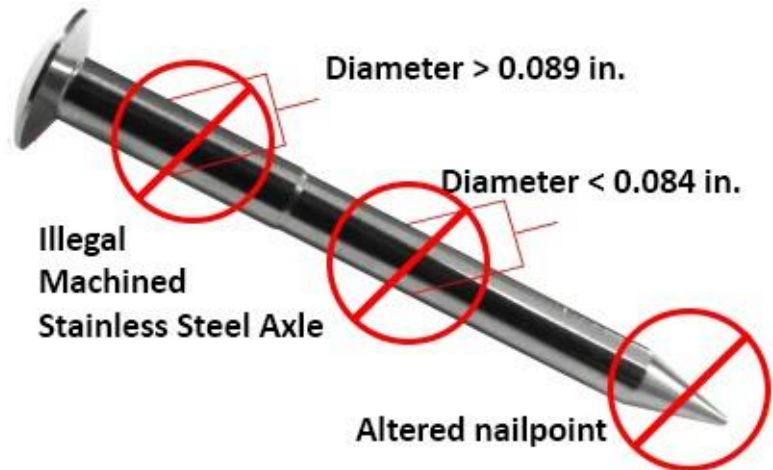
AXLES:

- Cars must use axles provided in the "Official Grand Prix Pinewood Derby Kit".
- Axles may be polished.
- The axles must be firmly affixed to the wood on each side of the car body.
- They can be moved forward or back to accommodate different wheelbases.

LEGAL AXLES



ILLEGAL AXLES



LUBRICANTS:

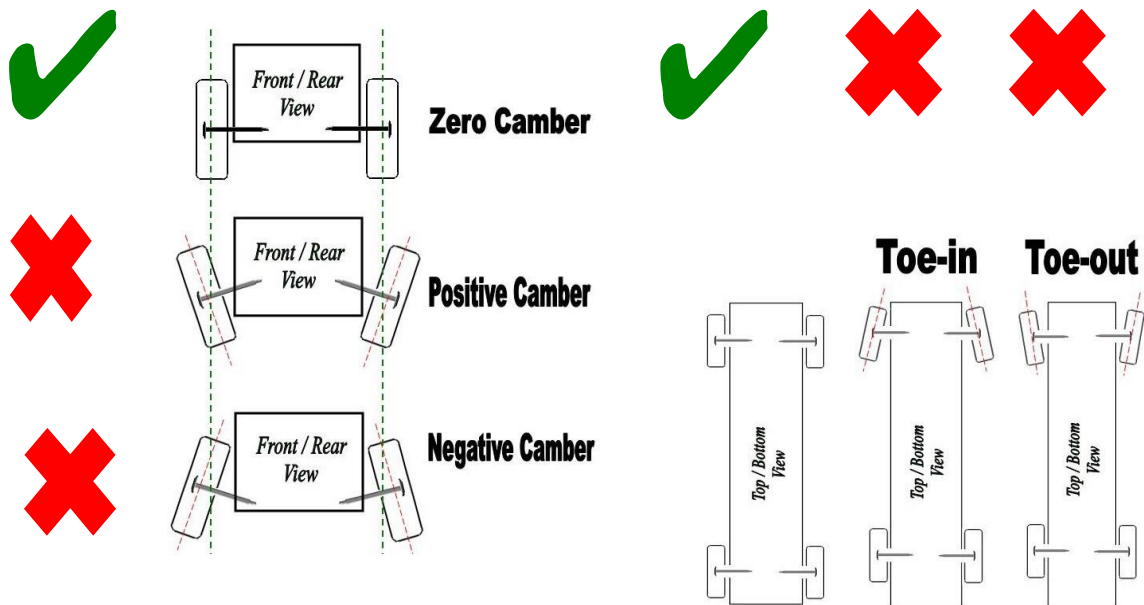
- Oil, Graphite, and Teflon "white lube" will be allowed for lubricating the wheel bores and axles.
- Wheel tread may NOT be coated in lubricant of any kind.
- Over-application of lubricant which results in excessive shedding onto the track is not allowed.
- Once the car is impounded after the inspection and weigh-in, it may NOT be re-lubricated.
- Lubricants may not foul the track...please use in moderation.

CANTING and TOE-IN/TOE-OUT

(Axles/Wheels):

Canting (camber) is the inward or outward tilting of the top of the wheel from the true vertical of the wheel (see diagram below left). Toe-in/out is the inward or outward direction of the wheels (see diagram below right).

- All 4 wheels must be level to surface and touch the race surface below), little to no wheel cant, little to no toe in or toe out, and axles deburred.
- Scouts will be building these with guidance by an adult so small issues and mistakes will be overlooked. Let's make this fair for all. Canting and/or Toeing of the rear wheels is prohibited. Cub Scouts will be building these, so a little cant will be overlooked. See below...



GRAVITY POWERED ONLY: Cars must be powered by gravity

REPAIRS: Any car losing wheels, weights, or any part can be repaired after the inspection and weigh in. If this occurs your car will have to go through inspection again. NOTE: Race officials have discretion to authorize repairs under any circumstances. If damage is caused by collision with another vehicle, object or jumps from one lane to another, both cars will be inspected. If any damage is present, both scouts will be in charge of all car repairs. Guidance is allowed and encouraged. Some tools will be present. It would be best to bring a small repair kit. Ideally, repairs can be done before the next heat that races. After the car is repaired, Officials will allow any car to run the race again

PROHIBITED ITEMS

Rockets, Jet Packs, electronic devices , **lighting devices that interfere with the race electronics**; liquids, wet paint, oil, sticky substance, or powders of any kind (other than axle lubrication).

It's all about having Fun and Sportsmanship!

Good Luck and Have Fun!