

PACK 592 - PINWOOD DERBY -----RULES AND SPECIFICATIONS

(Please read these rules before you start building your car!)

WHEELS & AXLES

All wheels and axles must be official BSA Pinewood Derby parts as provided in the kit from the pack.

WHEELS

1. The wheels that came in the kit **MUST** be used and NOT ALTERED.
2. They cannot be turned on a lathe.
3. They cannot be sanded except to remove mold flashing.
4. They cannot be lightened or weighted
5. They cannot have washers on either side.
6. Bushings and bearings are **NOT** allowed.
7. They **MUST** remain full width and **FLAT!**
8. Hubcaps are not allowed.

AXLES

1. The axles that come with the kit **MUST** be used.
2. Solid axles or replacement nails are not allowed.
3. You may remove the burrs on the head of the axle with a file but be careful not to damage the axle.
4. You may polish the axle.

WHEELBASE

1. The distance between the front and rear axles **MUST** be the same as supplied. That distance is 4 3/8".
2. Furthermore, you **MUST** use axle slots (precut on the blank) and not drill holes for the axles.

WHEELTREAD

1. The distance between the wheels from side to side **MUST** be at least 1 3/4"
2. This is due to the fact that the cars ride over a 1 3/4" strip on the track.

WEIGHT

1. The total weight of the car at sign up **MUST** not exceed 5 ounces.
2. It is advisable to weigh as close to 5 ounces as possible.
3. Weight can be added at sign up.
4. NO loose weight will be allowed.
5. NO liquid will be allowed to be used for weight.

WIDTH

The width of the car **MUST** not exceed 2 3/4".

LENGTH

The length of the car **MUST** not exceed 7".

HEIGHT

The height of the car **MUST** not exceed 5".

GROUND CLEARANCE

The distance from the bottom of the car to the track **MUST** be a minimum of 3/8". This is to allow for the car to ride over the guide strip without interference.

NOSE

The nose of the car should have a minimum small flat area located on the centerline as viewed from the front ... this is needed for correct positioning at the starting gate. No forked noses are allowed.

MISCELLANEOUS

1. **The car MUST not ride on any type of springs.** It furthermore must be freewheeling without any starting device.
2. There are no modifications after registration except in race repairs by the Race Committee.
3. Graphite application is only allowed before the start of the derby and is NOT allowed at any time during the race.
4. NO liquid lubricants are allowed on the cars.
5. Scouts must use a car built for the current race and may NOT use previously raced cars.
6. The scale at registration is the official scale for the race. All others do not count. Cars cannot exceed 5 ounces.
7. Parental assistance is allowed and encouraged but remember that this race is for the scouts.
8. An Open Race will be run for all others interested in racing a car. (i.e., mom, dad, brother, sister, grandparent, etc)
9. Any questions can be directed to the Race Director

SUMMARY

Any cars that do not meet the above listed specifications may be unable to race in the scout race. A decision will be made by the race committee to decide if the infraction gives an unfair advantage. If unable to race in the scout race the car may compete in the Open Race. Please abide by the rules thank you.

QUICK TIPS FOR YOUR RACER:

- *REMOVE THE BURRS BEHIND THE HEAD OF THE AXLE ... POLISH SMOOTH

- * AFTER INSTALLING AXLES, SECURE WITH A SMALL AMOUNT OF GLUE,
WHITE GLUE WORKS WELL. .. BE CAREFUL NOT TO GET THE GLUE ON
THE WHEELS

- *USE ONLY DRY POWDERED GRAPHITE LUBRICANT ...
NO LIQUID LUBRICANT IS ALLOWED

- *YOUR RACER SHOULD WEIGH 5 OZS. OR VERY CLOSE TO 5 OZS ... DO NOT
GO OVER ... THE AMOUNT OF WEIGHT YOU ADD WILL DEPEND ON
THE DESIGN OF YOUR RACER. THE POST OFFICE OR GROCERY STORE
ARE PLACES WHERE YOU CAN CHECK THE WEIGHT OF
YOUR RACER ... BUT REMEMBER,
THE SCOUT SCALE AT REGISTRATION IS THE FINAL SCALE ...
FINAL ADJUSTMENTS CAN BE MADE AT REGISTRATION

- *WET PAINT CAN SLOW YOUR RACER DOWNBE SURE TO ALLOW
ADEQUATE TIME FOR COMPLETE DRYING.

- *WHEN BUILDING YOUR RACER, THERE WILL BE AWARDS FOR THESE
CATAGORIES, YOU MAY CHOOSE ONE OF THESE, BUT YOU DON'T HAVE
TOTHESE ARE ONLY SUGGESTIONS.

- *MOST PATRIOTIC
- *MOST COLORFUL
- *MOST SCOUT THEMED
- *MOST SCHOOL THEMED
- *SHINIEST
- *MOST UNUSUAL
- *CRAZIEST LOOKING
- *WE WILL ALSO HAVE ONE RACE COMMITTEE'S CHOICE
- *BEST IN SHOW
- *BEST IN SHOW

- ***REMEMBER, TAKE YOUR TIME**
ALLOW ENOUGH TIME,
AND HAVE FUN!!!!

Thanks Mr. Burss