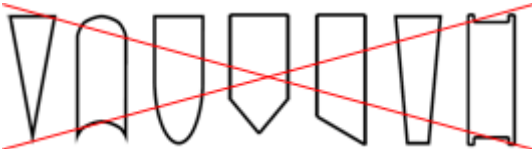



## NORTHWEST MISSISSIPPI DISTRICT PINEWOOD DERBY

CAR SPECIFICATIONS	
1.	WIDTH OVERALL WIDTH SHALL NOT EXCEED 2 3/4 INCHES
2.	LENGTH OVERALL LENGTH SHALL NOT EXCEED 7 3/8 INCHES
3.	CLEARANCE MINIMUM CLEARANCE BETWEEN BOTTOM OF CAR AND BOTTOM OF WHEELS IS 3/8" SO THE CAR CAN CLEAR THE CENTER STRIP OF THE TRACK <b>DEMENSIONS WILL BE VERIFIED USING THE "CUB SCOUT DERBY HIGH SPEED CAR ALIGNMENT" TOOL. (BSA CATALOG # 16900)</b>
4.	WEIGHT WEIGHT SHALL NOT EXCEED 5 OUNCES BASED ON THE SCALES MADE AVAILABLE BY THE RACE COMMITTEE ON THE DAY OF THE DISTRICT RACE. THE CAR MAY BE HOLLOWED OUT OR BUILT UP TO ACHIEVE MAXIMUM WEIGHT PROVIDED ALL MATERIAL IS BUILT INTO THE BODY/CHASSIS OR ATTACHED SECURELY TO THE OUTSIDE OF THE CAR. NO LIQUID OR LOOSE MATERIALS WILL BE PERMITTED IN OR ON THE CAR. LOOSE MATERIALS, INTERNAL OR EXTERNAL MAY RESULT IN DISQUALIFICATION BY THE RACE COMMITTEE.
5.	SUSPENSION AXLES (NAILS) MUST BE INSERTED THROUGH THE WHEEL AND INTO THE SLOTS PROVIDED ON THE OFFICAL BSA BLOCK. THE CAR SHALL NOT RIDE ON ANY TYPE OF SPRINGS OR SUSPENSION DEVICE.
6.	DETAILS DETAILS / DECORATIONS SUCH AS STEERING WHEEL, DRIVER, DECALS, PAINT, INTERIOR DETAIL, ETC. ARE PERMISSABLE AS LONG AS THE CAR AND THE DETAILS DO NOT EXCEED THE MAXIUM SIZE AND WEIGHT OF THE CAR.
7.	ATTACHMENTS THE CAR MUST BE FREE WHEELING WITH NO STARTING DEVICES. NO PART OF THE CAR OR ATTACHMENTS MAY EXTEND BEYOND THE CONTACT POINT BETWEEN THE CAR AND THE STARTING PIN
8.	MATERIALS CAR MUST BE BUILT FROM BLOCK, WHEELS AND AXLES CONTAINED IN THE OFFICAL BSA KIT (CATALOG #17006) OR SPARE AXLE/WHEEL KITS (CATALOG # 17553, 17554, 17555, 17556 AND 17557). WEIGHTS, ATTACHEMENTS AND DECORATIONS ARE NOT RESTRICTED AS LONG AS THEY DO NOT VIOLATE ANY OTHER RULES OR SPECIFICATIONS.
9.	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>WHEELS MUST BE BSA APPROVED WHEELS FROM THE OFFICIAL KIT OR SPARES KITS LISTED ABOVE. WHEELS MUST HAVE THE BSA LETTERING ON THE SIDEWALL OF THE WHEEL.</p> <p>THE RACERS ARE NOT ALLOWED TO MAKE CHANGES TO THE SHAPE OR WIDTH OF THE CONTACT SURFACE OF THE WHEELS. WHEELS THAT HAVE BEEN MACHINED IN ANY WAY, WAFFERED OR ROUNDED WILL BE DISQUALIFIED AT CHECK IN.</p> <div style="text-align: center;">  </div> <p>WHEELS IMPREGNATED WITH GRAPHITE OR OTHER LUBE WILL ALSO RESULT IN A DISQUALIFICATION OF THE RACER AT CHECK IN.</p> <p>RACERS MAY NOT MAKE CHANGES TO WHEEL WIDTH, THICKNESS OR DIAMETER. WHEELS MAY BE CHECKED AT INSPECTION FOR MINIMUM DEMENSIONS TO ENSURE NO MACHINING WAS DONE. RACERS WITH WHEELS IDENTIFIED AS BEING MODIFIED WILL BE DISQUALIFIED.</p> </div> <div style="width: 35%; text-align: center;">  </div> </div>

## NORTHWEST MISSISSIPPI DISTRICT PINEWOOD DERBY

10. AXLES

AXLES MUST BE THE OFFICIAL BSA NAIL TYPE AXLES THAT COME WITH THE BSA KIT. AXLES MAY BE LIGHTLY FILED OR SANDED TO REMOVE THE BURR AND CRIMP MARKS.



AFTER MARKET OR MODIFIED AXLES SUCH AS ONE PIECE, GROOVED, MINI-GROOVED, OR GRAPHITE COATED AXLES ARE NOT ALLOWED IN THE NWMS DISTRICT PINEWOOD DERBY.

*Examples of some **non-approved** axles available on the market.*

ONE PIECE AXLES		GRAPHITE COATED	
GROOVED		NICKEL PLATED	
MINI-GROOVED		"PRO" POINT AXLES	
"PRO" AXLES			

*Provided for reference, not a complete listing.*

*If it didn't come out of the BSA Kit or Spares Kit, it may not pass inspection*

USE OF NON-BSA AXLES OR MODIFIED BSA AXLES WILL RESULT IN DISQUALIFICATION.

11. AXLE SLOTS

AXLE SLOTS MAY NOT BE MODIFIED IN ANYWAY INCLUDING CAR DESIGNS THAT CUT THROUGH THE AXLE SLOT, MOVING THE AXLE SLOT OR THE USE OF AXLE COVERS OR GUARDS SUCH AS BSA CATALOG # 17107. AXLES MUST BE PLACED INTO SLOTS PROVIDED. NO WHEEL BEARINGS, WASHERS OR BUSHINGS. NO HUB CAPS OR GRAPHITE DISCS WILL BE ALLOWED. *(BSA AXLE GUARDS PREVENT RACE OFFICIALS FROM VERIFYING THAT THE PROPER AXLES WERE USED ON THE CAR AND ARE NOT PERMITTED)*

► **NOTE TO ALL PARTICIPANTS: THERE ARE MANY PRODUCTS AVAILABLE THAT CLAIM THAT ALTHOUGH THEY ARE MODIFIED IN SOME WAY, THEY STILL MEET BSA REQUIREMENTS. BE AWARE THAT PINEWOOD DERBY RULES VARY A GREAT DEAL AND THOSE PRODUCTS MAY NOT MEET THE NWMS DISTRICT PINEWOOD DERBY RULES. USE OF ANY OF THESE PRODUCTS COULD RESULT IN A DISQUALIFICATION.**

12. NUMBER OF WHEELS

ALL ENTRIES MUST HAVE 4 BSA WHEELS AND AXLES PROPERLY INSTALLED IN THE PROVIDED AXLE SLOTS. OBVIOUS ATTEMPTS TO PREVENT THE 4<sup>TH</sup> WHEEL FROM TOUCHING THE TRACK MAY RESULT IN DISQUALIFICATION.

13. LUBRICIATION

DRY LUBRICANTS ONLY. POWDERED GRAPHITE, TEFLON, ETC. NO OIL, GREASE OR SILICONE SPRAYS ARE ALLOWED. LUBE SHOULD BE ADDED PRIOR TO PRESENTING THE CAR FOR CHECK IN TO ENSURE THAT YOU MEET THE WEIGHT RESTRICTIONS. ONCE YOUR CAR HAS BEEN APPROVED, YOU WILL NOT BE ALLOWED TO ADD ADDITIONAL LUBRICATION.

14. CHECK IN

- a. ALL PAINT OR GLUE MUST BE DRY PRIOR TO CHECK-IN.
- b. ALL CARS MUST BE PRESENTED WITH RULES ACKNOWLEDGEMENT FORM FOR CHECK IN BY THE SCOUT THAT WILL BE RACING, NOT THE PARENT OR ANOTHER SCOUT.
- c. CARS WILL BE CHECKED FOR PROPER DIMENSIONS AND WEIGHT BY A RACE OFFICIAL.
- d. CARS NOT MEETING THE REQUIREMENTS WILL BE RETURNED TO THE SCOUT FOR ADJUSTMENTS, CARS MEETING ALL REQUIREMENTS WILL BE COLLECTED BY A RACE OFFICIAL, ASSIGNED A NUMBER AND PLACED IN THE RACE LINE UP.
- e. ONCE A CAR IS OFFICIALY REGISTERED NO ADDITIONAL LUBRICATION OR MODIFICATIONS WILL BE ALLOWED.
- f. ALL CARS WILL REMAIN WITH THE RACE COMMITTEE UNTIL THE RACE HAS CONCLUDED. CARS WILL NOT BE RETURNED DURING THE RACE. IF YOU ARE UNABLE TO REMAIN FOR THE DURATION OF THE RACE, YOU SHOULD MAKE ARRANGEMENTS FOR YOUR CAR TO BE PICKED UP BY ANOTHER MEMBER OF YOUR PACK.

# NORTHWEST MISSISSIPPI DISTRICT PINWOOD DERBY

## RACE RULES

1. ALL ENTRIES MUST BE ACCOMPANIED BY THE RULES ACKNOWLEDGEMENT AGREEMENT SIGNED BY THE RACER, THEIR PARENT OR GUARDIAN AND THEIR CUBMASTER. NO CARS WILL BE ACCEPTED WITHOUT A SIGNED COPY OF THE AGREEMENT. A COPY OF THE AGREEMENT SHOULD BE INCLUDED WITH THIS RULES PACKET. IF NO ACKNOWLEDGEMENT FORM IS INCLUDED, A FORM CAN BE OBTAINED BY CONTACTING YOUR CUBMASTER OR DOWNLOADING A COPY FROM THE DISTRICT WEBSITE AT [www.nwmsbsa.com](http://www.nwmsbsa.com).
2. SCOUTS SHOULD BE IN CLASS "A" UNIFORMS TO PARTICIPATE.
3. ONLY THE CARS THAT PLACED 1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> IN THEIR PACK DERBY MAY RACE IN THE NWMS DISTRICT PINWOOD DERBY. - AN ALTERNATE (4<sup>th</sup> PLACE CAR) MAY RACE IF ONE OF THE OTHERS CANNOT RACE.
4. CUBMASTERS MUST CERTIFY THE CARS AS WINNERS OF THEIR PACK'S RACE VIA THE RULES ACKNOWLEDGEMENT FORM TO BE COMPLETED ON THE DAY OF THE DISTRICT RACE.
5. A NEW CAR MUST BE USED EACH YEAR.
6. THE CAR MUST BE PRESENTED AT CHECK IN BY THE CUB SCOUT WHO WILL RACE THE CAR.
7. THE CUB SCOUT MUST BE PRESENT AT THE TRACK TO RACE HIS CAR.
8. THERE WILL BE NO SWITCHING OR SUBSTITUTION OF CARS. CARS ENTERED MUST BE THE ORIGINAL CAR THAT PLACED IN THE PACK'S RACE.
9. EACH CAR MUST PASS INSPECTION BY THE RACE COMMITTEE BEFORE IT MAY COMPETE. THE INSPECTORS HAVE THE RIGHT TO DISQUALIFY THOSE CARS WHICH DO NOT MEET THE ABOVE SPECIFICATIONS. NOTE\*\*\*CARS WILL BE CHECKED USING THE BSA ALIGNMENT TOOL, CATALOG #16990.
10. CARS MUST BE PLACED ON THE TRACK BY THE SCOUT RACING THE CAR. THE GATE JUDGE WILL CHECK FOR PROPER ALIGNMENT.
11. ALL CARS AND BOYS MUST BE READY TO RACE WHEN CALLED, OR THEY WILL BE DISQUALIFIED.
12. IN THE EVENT A RACE IS NOT COMPLETED (CAR LEAVING THE TRACK, GATE NOT TRIGGERING, ETC), THE RACE MAY BE RERUN BASED ON THE DECISION BY THE GATE AND FINISH LINE JUDGES.
13. IN THE EVENT OF DAMAGE TO A CAR DURING A RACE, THE JUDGES AND RACE COMMITTEE MAY ALLOW REPAIRS IF THE REPAIRS ARE NOT SUBSTANTIAL ENOUGH TO CAUSE AN EXCESSIVE DELAY IN THE EVENT.
14. DECISIONS MADE BY ANY MEMEBRS OF THE INSPECTION COMMITTEE, RACE COMMITTEE OR THE JUDGES ARE FINAL AND NON-NEGOTIABLE. ATTENDEES MAY ASK FOR A REVIEW OF THE ISSUE BY ANOTHER MEMBER OF THE COMMITTEE OR JUDGING STAFF, BUT ARGUMENTS WITH THE RACE OFFICIALS MAY RESULT IN DISQUALIFICATION OF THE RACER OR THE INDIVIDUAL BEING ASKED TO LEAVE THE EVENT.
15. EVERYONE IN ATTENDANCE, ALL RACERS, THEIR PARENTS AND ANY GUESTS ARE EXPECTED TO DISPLAY PROPER SCOUTING BEHAVIOR. ANY INDIVIDUAL USING ABUSIVE LANGUAGE, PROFANITY OR DISPLAYING UNSPORTSMANLIKE CONDUCT WILL BE ASKED TO LEAVE THE EVENT. IF THE INDIVIDUAL HAS A CAR ENTERED IN THE RACE, IT WILL BE RETURNED AFTER THE RACE IS COMPLETE.
16. ATTENDEES ARE ALLOWED AND ENCOURAGED TO CHEER ON THEIR FAVORITE CAR. HOWEVER, BOOING OR HECKLING THE RACERS IS NOT PERMITTED BY ANYONE IN ATTENDANCE AND MAY RESULT IN THE INDIVIDUAL BEING ASKED TO LEAVE THE EVENT.
17. COURTESY AND RESPECT SHALL BE GIVEN TO ALL RACE OFFICIALS AT ALL TIMES BY ALL PARTICIPANTS AND PARTIES INVOLVED IN THE RACE.
18. ADULTS ARE EXPECTED TO REMEMBER THAT THIS IS A SCOUT EVENT DESIGNED TO ALLOW THE BOYS TO GET TOGETHER AND HAVE A GOOD TIME. ADULTS ARE EXPECTED TO SET A GOOD EXAMPLE IN THEIR DISPLAY OF PROPER ATTITUDE AND GOOD SPORTSMANSHIP DURING THE ENTIRE EVENT.

**THE RACE WILL BE DECIDED BASED ON THE FASTEST AVERAGE RACE TIMES CALCULATED BY THE RACE COMPUTER.**

**EACH RACER WILL RACE ON EACH LANE OF THE TRACK ELIMINATING ANY CONCERNS OF TIMES BEING IMPACTED BY A "SLOW LANE" ON THE TRACK. TIMES WILL BE POSTED AND WINNERS ANNOUNCED AFTER ALL RACERS HAVE COMPLETED THEIR RACES.**

