

NDR Rule Differences

Compared to All-American

While the NDR generally adopts the car construction rules of the All-American, they are not automatically adopted. In addition, we do have slight difference in other general rules of participation and car usage. The NDR Rulebooks as posted on our website are still the official standards. This document is designed to outline the core differences between All-American and NDR rules.

Age Limits

NDR varies from the AASBD in the following ways:

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|------------------------------|----------------------------------|
| 1) Stock | Ages 7 to 14 (Inclusive) |
| 2) Super Stock | Ages 7 to 21 (Inclusive) |
| 3) Masters | Ages 10 to 21 (Inclusive) |
| 4) Round Bottom (Glass Wrap) | Minimum Age 10; No Max Age Limit |
| 5) Legacy | Minimum Age 10; No Max Age Limit |

All defined age limits are based on the day of the race. For Nationals events, the driver must be of legal age through the last day of the event.

Car Rules

- 1) Axles must be stamped 1996 and newer – Only alterations allowed are polishing of spindles, removal of rust from square stock and triangulation centering marks. Axles are not permitted to be bowed in a de-arch or pre-bow manner and not permitted to be bowed front to back. See NDR General Car Rules for documented dimension of Square Stock and Spindles.
- 2) Floorboards must have a router or burn stamp. See NDR General Car Rules for more specifics about what is checked on floorboards. In general, if it passes for AA, it should pass for NDR, but if you are running an older floorboard, we recommend you review the guidelines that will be enforced.
- 3) Cars may be re-used by different drivers
- 4) Washers used on car construction must be stock and not machined or highly polished
- 5) Modified parts are not allowed except where specifically allowed by AASBD rules
- 6) Steering adjustors (PVC) are considered optional
- 7) Weights must be flat (not bowed) when in the unbolted state
- 8) Masters Rules will default to ~~2019~~ current AASBD Masters Build Plan [found on their Getting Started page \(https://www.soapboxderby.org/aasbd-race-program/getting-started.aspx\)](https://www.soapboxderby.org/aasbd-race-program/getting-started.aspx) with the following exceptions:
 - a. Weights are allowed in front of, behind, and on the sides of axle mounting plates, but must not touch plates or shell. **This is to allow greater flexibility in reaching optimal tail or nose weight.**
 - b. ~~Max rear axle height is limited by requirement to have top of 3.5" kingpin extend beyond top of kingpin nut.~~ **Per new language added to AASBD Step 3.16, top of the rear axle must be no more than 3" above bottom of floorboard (see Photo 2.17, Same rule as front axle).**

- c. Hex Bolts will continue to be allowed as an option to the Carriage Bolts on 3-Point Axle Mounts
 - d. Fixed weights (those not on a removable weight wing-nut post) must not exceed a height of 1.5 inches.
- 9) Large wheel pins, o-rings, and washers will be provided for use with NDR Billet Aluminum Wheel Bank; Wheel installation is as follows:
O-Ring – Wheel – O-Ring – Optional Washer(s) – Large Wheel Pin
- NOTE: When using the NDR Billet Aluminum Wheels, only NDR supplied washers and o-rings will be allowed.
- 10) Slotted weights will be allowed. However, they must be securely fastened in place before removal from scales.