

## All-In-One Soap Box Derby Prep Guide from New Hampshire Soap Box Derby

### **Checklist of parts for taking an older model Stock car to refurbish, make your own & race!**

Along with additional tips and links (underlined items) to more information.

**Newcomers are always welcome to race and use a loaner car for the day!**

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Available cars in storage can be seen [here](#). Items in bold are [purchased new from AASBD](#). ~\$250.00 in total. (shipping total is approx. \$60 of that). Additional updated hardware from the local organization @ ~\$50.00.



Stock Car Plans are [here](#). Videos are [here](#).

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| <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Stock Division Floorboard</a> (\$125.25)             <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Bushing (x4)</a> (\$1.70 ea)</li> </ul> </li> <li><input type="checkbox"/> Shell (pick a used one from storage unit)</li> <li><input type="checkbox"/> <a href="#">Foam (x2)</a> or 4 for to include sides</li> <li><input type="checkbox"/> <a href="#">Bag 1 - Steering Stop Bag</a></li> <li><input type="checkbox"/> <a href="#">Bag 2- Foot Brace Bag</a> <ul style="list-style-type: none"> <li><input type="checkbox"/> Foot Brace (wooden block)</li> </ul> </li> <li><input type="checkbox"/> <a href="#">Bag 3- King Pin Assembly Bag</a> <ul style="list-style-type: none"> <li><input type="checkbox"/> Front Axle (resue from older car)</li> <li><input type="checkbox"/> Rear Axle (resuse from older car)</li> </ul> </li> <li><input type="checkbox"/> <a href="#">Bag 4 - Steering Hardware Bag</a> <ul style="list-style-type: none"> <li><input type="checkbox"/> Quarter / spacer washer</li> <li><input type="checkbox"/> Brake/Steering mount (reuse)</li> <li><input type="checkbox"/> Steering wheel (bowtie) (resuse)</li> </ul> </li> <li><input type="checkbox"/> <a href="#">Bag 5 - Steering Cable Bag</a> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">S/SS Steering cable</a> (\$2.25)</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Bag 6 - Rear Stabilizer Bag</a> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Stock radius rod (x2)</a> (\$7.00 ea)</li> </ul> </li> <li><input type="checkbox"/> <a href="#">Bag 7 - Brake Pad Bag</a></li> <li><input type="checkbox"/> <a href="#">Bag 8 - Brake Bag</a> <ul style="list-style-type: none"> <li><input type="checkbox"/> Brake plunger (reuse)</li> <li><input type="checkbox"/> Spring (reuse)</li> <li><input type="checkbox"/> Brake pedal (wood) (reuse)</li> <li><input type="checkbox"/> <a href="#">Awning pulley bag</a> (\$15.00)</li> </ul> </li> <li><input type="checkbox"/> <a href="#">Bag 9 - Weight Bolt Bag</a></li> <li><input type="checkbox"/> <a href="#">Bag 10 - Airfoils</a> (\$18.00 set of 4)</li> <li><input type="checkbox"/> Wheels (x4 pick used ones from storage unit)</li> <li><input type="checkbox"/> Weights (~70lbs, BYO)             <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Rear &amp; front</a> (some in storage)</li> <li><input type="checkbox"/> Center-front &amp; Center-back (<a href="#">template in .pdf, machine files</a>)</li> </ul> </li> <li><input type="checkbox"/> <a href="#">Adjustable Helmet</a> (\$20.00)</li> </ul> |
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#### **Additional Notes:**

- Floorboard finishing: see [Finishing a Soap Box Derby Floorboard](#)
- [Marine-Tex](#), [Gorilla Glue](#) or similar waterproof epoxy (recom'd use in step 3.3 & 6.3 in [Stock Car Plan](#))
- Metric 6x12 washer (optional, use in step 3.2 & 6.2 in [Stock Car Plan](#), for making flush fit)
- [Contact cement](#) (quart) & chip brush (for foam installation)
- [Derby specific alignment tools](#) \$
  - Triangulation bar, dial, spindle alignment bar and kingpin trammel nut
- [Derby Race Packing List](#) (additional supplies and tools, too)

