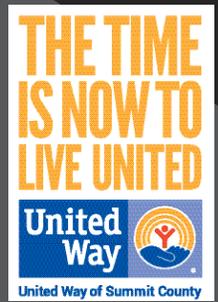




# United Way Corporate Derby Challenge™

Collaborate | Create | Compete

presented by **FALLSWAY**  
EQUIPMENT COMPANY



## Car Build Rules

1. Overall competition: To design and manufacture a shell for a Soap Box Derby Car chassis following the competition guidelines and shell construction guidelines.
2. Judging: (2 categories) All entries will be judged in both competition categories:
  - Racing Competition
  - Best Design
3. Teams must complete a pre-competition inspection by the International Soap Box Derby officials which includes:
  - a. Construction and assembly  
(Derby staff must be able to access steering and braking components to check for proper assembly)
  - b. Competition guidelines compliance
  - c. Test drive
  - d. Safety check

\*Following inspection, the International Soap Box Derby Race officials may deem any Team's Soap Box Derby car ineligible to compete in the Corporate Derby Challenge.
4. All cars must be gravity powered.
5. All enclosed kit parts (including wheels) for the Soap Box Derby Car chassis must be assembled and used according to instructions. Altering of parts is PROHIBITED. This includes not altering the floorboard. No extensions can be added to steering hardware. Driver must be seating upright when operating a car.
6. Shell must be constructed according to the guidelines listed.
7. Shell must be securely fastened to floorboard with screws. Derby staff must be able to access steering and breaking components to check for proper assembly.
8. No part of the shell may interfere with the axles, braking, driving, and steering systems.
9. Foam must be attached to the front portion of the cockpit area (see arrow in photo below) according to following instructions.

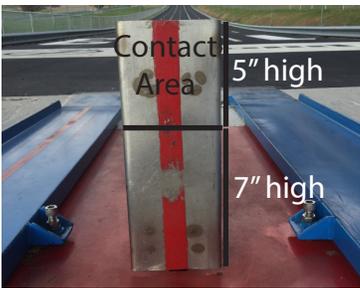


- Foam goes here
- Apply adhesive (provided by others) to the surfaces per adhesive manufacturer's instructions. - - Use tape (provided by others) to temporarily clamp foam until adhesive is set.
  - Foam may also be installed, using this procedure, to the sides and rear of the shell within the cock pit area.

10. Height: No part of the car shall be taller than 4' measured from the ground to the highest point of your car.

11. Width: No part of the car shall protrude past the end of the axle spindle. (Basically - don't put anything past the width of the axles.)

12. Ground Clearance: No added item/modification of the car shall be lower than 7" from the ground. Simply put - don't add anything to the bottom of the car and make sure nothing is dragging. The point of contact with the starting paddle (see photo) must be the furthest point forward of the car and be at least 7" off the ground and no more than 12" high (height of the starting paddle).



13. Weight: maximum weight with driver, car and additional weights is 350 lbs. Weights must be fastened to the chassis using approved weight bolts and not interfere with the safe operation of axles, braking, and steering systems.

14. Length: You may add items to your car that result in extending the overall length of the car. The maximum length of your car is 8'.

15. Guidelines for redrilling the floorboard: Teams must use holes predrilled for front & rear axles installation—(axles are not allowed to be moved). Brake/Steering mount may be moved forward only to accommodate a driver. NOTE: The steering hardware provided in the kit CANNOT be altered (no extensions can be added to the steering hardware). The drivers must be seated in an upright position when operating the car.

16. Nothing can project, fall off or be shot from the car.

#### Floorboard Guidelines:

The floorboard shape CANNOT be altered in any way. The following dimensions must be maintained:

Floorboard thickness – 1 5/16"

Floorboard width – 19"

Floorboard length – 78"

#### Shell Guidelines:

1. You can choose to use the shell crate and seat back that comes with the kit or not to use them.
2. A new shell must be constructed each year in the Corporate Derby Challenge. A car will not be allowed to compete if it has a previously used shell.

Any material(s) can be used in the construction of the shell except the following:

Glass

Plexiglass

Metal chicken wire

NOTE: The International Soap Box Derby reserves the right to modify these guidelines for safety concerns.

## Racing Rules

1. All drivers must be at least 18 years old.
2. No lubricants are allowed to be used on the wheels or axles.
3. The top four cars will be re-weighed prior to the semifinal heats.
4. Each team can use as many drivers during the race. However, any extra weight added to the car cannot be changed after the official weigh in and the team must be under the 350 lb. limit
5. All drivers must wear helmets, drive with their feet towards the front of car, and be able to exit car in 30 seconds or less.