

Downhill Derby Parts List:

AASBD Steering/Brake Parts (Order the Steering/Brake parts from www.soapboxracing.com):

(1) Part #P06	Plunger & Brake Mount	Steering Column
(1) Part #P10	Stock/SS Steering Wheel	Steering Column
(5) Part #P22	Wheel Pulleys	Steering & Brake Assembly
(1) Part #P15	Brake Spring	Brake Plunger Assembly
(1) Part #B07	Brake Pad Bag	Brake Plunger Assembly
(1) Part #B25	Awning Pulley Bag	Brake Assembly

Base:

(1) 4x8' x 3/4"	OSB	Wood Base
(1) 1-1/4"	Box: Wood Screws	Combine OSB & Attach Lauan Body Panels to Base
(1) Adhesive	Liquid Nail Tube	Attach OSB Together
(2) 5/16" x 6"	Elevator/Carriage Bolts	Weight Attach Posts (Front & Back)
(2) 5/16"	Wing Nuts	Weight Securing
(*) Weights	As Needed	Weights must be securable on posts

Steering:

(2) 1/4" x 2"	Elevator/Carriage Bolts	Front Steering Column Attach
(2) 1/4" x 2-1/4"	Elevator/Carriage Bolts	Rear Steering Column Attach
(4) 1/4"	Flat Washers	Steering Column
(4) 1/4"	Lock Washers	Steering Column
(4) 1/4"	Stop Lock Nuts	Steering Column
(1) 3/4" (ID)	Washer	Steering Post Base
(1) 2"	Cotter Pin	Steering Post Base
(2) 1/8" x 1.5"	Metal Tubing	Front Axle Steering Wire Pass Through
(3) 3/16" x 5"	Closed Turnbuckles	(2) Steering (REQUIRED), (1) Brake Wire
(2) 1/4" x 2-1/4"	Elevator/Carriage Bolts	Steering Cable Pulleys
(2) 1/4"	Stop Lock Nuts	Steering Cable Pulleys
(2) 1/4" x 1-1/4"	Fender Washers	Steering Cable Pulleys
(2) 1/4"	Lock Washers	Steering Cable Pulleys

Brakes:

(1) 1/4" x 2-1/4"	Elevator/Carriage Bolt	Brake Cable Pulley
(1) 1/4"	Stop Lock Nut	Brake Cable Pulley
(2) 1/4" x 2-1/4"	Eye Bolts	Brake Pedal / Brake Plunger
(2) 1/4"	Washers	Brake Pedal / Brake Plunger
(2) 1/4"	Nuts	Brake Pedal / Brake Plunger
(3) Hinge	Door Hinge	Brake Pedal & (2) for Seat Back

Wheels/Struts:

(1) 2x8" x 8'	Yellow Pine	Axle Support (Can use harder material)
(12) 1/2" x 7/8"	18g. Washers	Wheel Spacers for Axles
(1) 3/8" x 4.5"	Bolt	Front Axle Support Mount
(2) 3/8" x 4"	Bolts	Rear Axle Support Mount
(3) 3/8"	Washers	Front & Rear Support Mount Spacers
(3) 3/8"	Stop Lock Nuts	Support Mount Nuts
(4) 1/8"	Cotter Pins	Wheel Locks (Can use Hitch Pins) *Note: Buy Extra
(8) 3/32"	Wire Clamps	Steering & Braking Wire Securing
(2) 1/8" x 1"	Screws	Secure Axle Centers
(4) 2x3"	Metal Plate w/ Screws	Secure Axle Rods (Size can vary, two for each axle)

(Wheels & Axles Must be purchased from the Lions Downhill Derby)

Body:

(1) 4x8' x 1/4"	Lauan Plywood	Body Panels (May need more depending on design)
(1) 3/4" x 8'	PVC Pipe	Used to create curved top mount (OPTIONAL)
(1) 3/4"	Box: Wood Screws	Use to attach Lauan Top to PVC (Pre-Drill Lauan)
(1) 1x2"x8'	Furring Strip	Cross Braces for Body Top / Steering Stops
(1) 2x4"	Pine	Front/Rear Bracing
(1) 2x8"	Metal L Bracket	Front Metal Brace (Size & Shape will vary by design)
(1) 6'	Foam Pipe Insulation	Cockpit Padding

This list is a basic guideline based on the AASBD Instructional Manual. Please double check your design and purchase parts as needed for your build. There may be other parts needed depending upon your design.