Pinewood Derby Track

Brace block, ³⁄₄" x 4" x 4"
1¹⁄₂" x 2" hinge

Brace, 3⁄4" x 4" x 70"

Leg unit

Leg unit
Bottom view with legs
and brace in folded
positions

½" x 3" slots

8"

Brace

Brace block

Hinge

Brace end detail

Starting bar
³⁄₄" x 1³⁄₄" x 18"

Starting posts
¼" x 3½" dowels

Screw eye

Heavy
rubber
band

1¹⁄₂" x 1¹⁄₂" hinges

Handle ½" x 6" dowel

8"

13"

Starting posts

Car guides: ¼" x 1⁵⁄₈" x 96"
pine lattice strips spaced
on 3½" centers

1¹⁄₂" x 1¹⁄₂"
hinge each side

Cleat (2)
³⁄₄" x 4" x 12"

Base: ½" plywood
(4) 12" x 96"

Legs
³⁄₄" x 1³⁄₄" x 43"

1¹⁄₂" No. 10 F.H.
wood screws

¼" x 2" F.H. stove
bolts and wing nuts

1½" x 1½" hinges
Both sides
Legs: ³⁄₄" x 4 x 12"
Cleat: ³⁄₄" x 4 x 12"

¼" x 2" R.H. stove
bolts and wing nuts

Removable stabilizer
³⁄₄" x 4" x 36"

Section
cleats

Use ¼" x 2" F.H. stove bolts at
this joint to fasten track to cleats.

Finish line

36"

Use 1½" No. 10 FH screws at these
joints to fasten track to cleats.

11"

Slip a ½" block of wood under track
guide ends to make a friction brake.

Sections are held together by two
³⁄₄" x 1³⁄₄" x 16" pine cleats centered
under outer track guides.

9"

48"

End cleat: ³⁄₄" x 1³⁄₄" x 12"