

## 20" x 32" & 48" wide RC Ramp Instructions

Note: read instructions completely before assembling, or at least skim through to get an idea of the full process.

- 32" wide ramp shown, 48" is the same process with an extra rib and leg.

### Deck Selection

½" plywood is best, you can also use OSB or thinner plywood for smaller cars. A 2'x4' sheet can be cut down to 10" and 14" wide pieces, they can be slightly shorter too.

### Using the ramp

- On pavement, ramp is best on the 20° and 30° angles, the 40° setting might move around.
- When using on pavement or hard surfaces add weight to keep it from moving. A couple sand bags laid on the legs or dumb bells will hold more it solid. You can cut up old jeans or pant legs, tie a knot in them and fill with dirt to make your own. 20# is a good start weight.
- When using in dirt it helps to pack some at the front and middle of ramp to hold it more solid.
- 20° position on pavement uses 2" bolts for start transition. All other positions will use the 2 ¼" bolts
- 30° without start for front flips, you can try the other angles but we've had the best results in the middle. When first trying front flips use in grass or dirt. Hit ramp at moderate speed, hit brakes just after takeoff, then get back on throttle as car is finishing flip to control for landing.

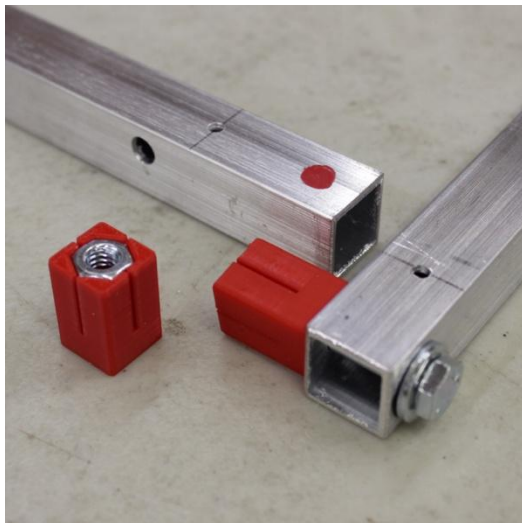
### Jumping Tips

All cars jump different. It's best to hit at a steady speed, then add or subtract throttle depending on how car wants to fly. Hitting the ramp while accelerating will help with backflips; smaller, slower & 2wd cars don't like to flip(not enough inertia). Car will react different on slow hits vs. fast hits & with different ramp settings. The chassis will bottom out and ride on ramp during fast hits, this is normal. Keep an eye on front and rear skid plates for wear if you're bashing hard.

### Assembly

Step 1 – Assemble Tube Inserts - Left pic. below – Install these on the long straight tube as shown. Leave them a little loose so they don't expand yet. Push nut in till flush, then spin onto bolt with nut away from tube.

Step 2 – Layout Frame and Tools - Right pic. below – It's good to do this on a card table or bench, rather than the ground. Tools needed – 1/8", ¼" (or 9/32"), ½" drill bits and Phillips bit on a second drill is helpful. 7/16" ratchet and wrench. Spring clamps or any other clamp for holding ramp deck. Layout Frame pieces, some scratches are common, orient them toward the inside or ramp deck side.



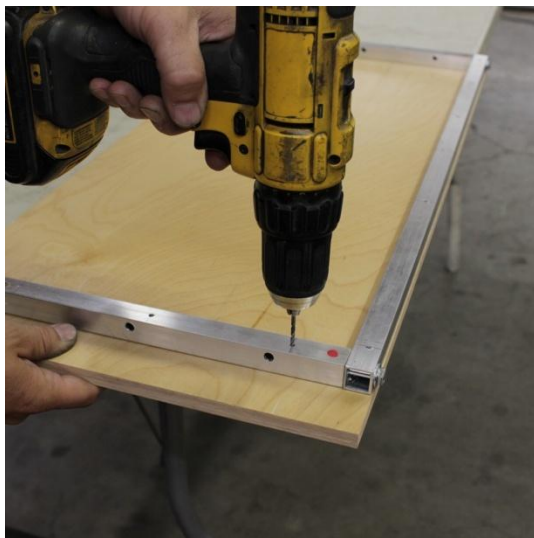
Step 3 – Assemble Frame – Left pic. Below – Assemble frame pieces, make sure the red dots on ribs are up and at the cross bar as shown. Snug up tube inserts until ribs have a little tension, work off edge of table & push ribs down to ensure they are flat and square. Then tighten all bolts to 10 ft/lb (or good'n firm), it takes about 4 revolutions to get them tight.

Step 4 – Clamp Ramp Deck – Right pic. Below – Center deck on frame, ensure it's oriented so the top matches the red dot rib side with two holes for the legs (refer to Step 6). Add clamps and continue to center deck on frame, about 1 ½" of board will overhang each side. Then drill holes, flip over and install screws.

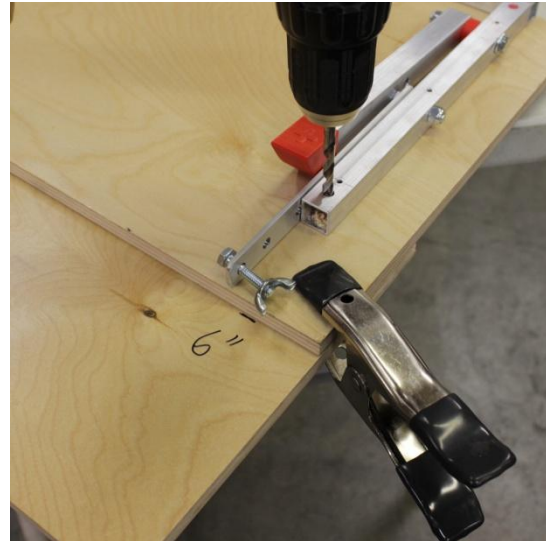


Step 5 – Attach End Ribs - Left pic. below – Ensure ribs are straight and clamp as desired. Drill and install screws each rib. Then repeat for the other side of ramp.

Step 6 – Install Legs – Right pic. Below – Attach leg with included red spacer, start bolt from outside as shown. Then install flat bar support, start this bolt from the inside as shown. Tighten bolts and nuts, until everything is held firm but still easy to move.

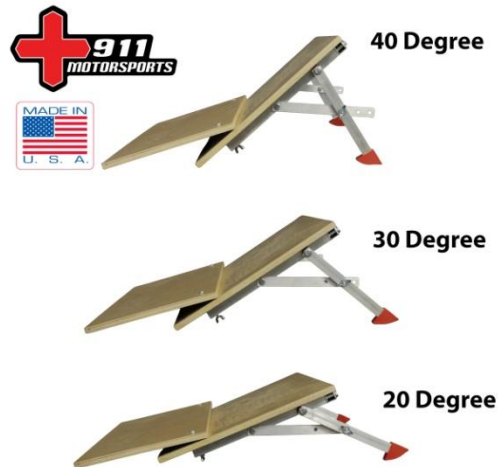


Step 7 – Drill Start Transition – Both pics. Below – Use ¼” drill bit, or 9/32” is better if you have it because it gives more wiggle room. Mark 6” from start of start transition, then align mark on start of main ramp, use clamps to hold it together, then drill holes through rib holes. It’s also nice to work on a corner of the table too.



Step 10 – Recess Start Bolt - Left pic. below – Use ½” drill bit (or countersink) to let flat head bolt sit below deck surface. Use a low setting, drill slow with light pressure, it also helps to wiggle drill. Be careful and take your time, you do NOT want the drill to bite because it will go through the board real easy. If you happen to drill too much, you can flip the board over and drill holes on the other side. Use the flat head bolt to check depth, drill until it is slightly below deck.

Step 11 – Final assembly – Right pic. below – Install flat head bolts with nuts to hold start transition. 2” long will be necessary for the 20° setting on pavement. The 2 ½” bolts will be used for every other setting. The 40° setting will be tight initially. Setup ramp, adjust bolts to be flush, then push on ramp to seat bolts in wood. These bolts don’t need to be tight, just snug enough to hold board in place.



This is a new product, so your feedback is really appreciated. Let us know how the kit went together for you and if the instructions were clear or not. Reviews are also appreciated. If you have negative things to say, it would be nice to contact us first to see if we can remedy the problem.