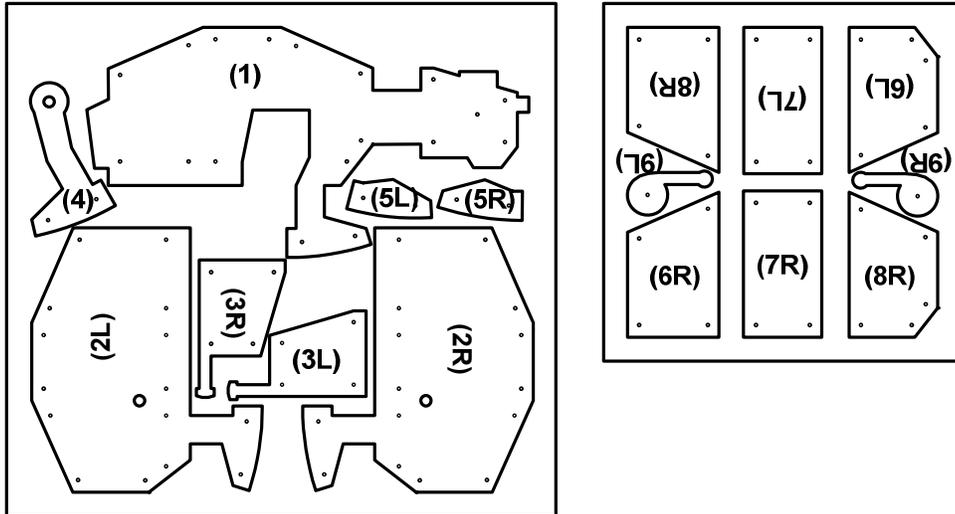
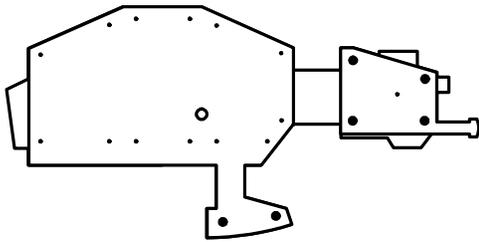


Instructions for Assembling the Imperial Ramp Walker

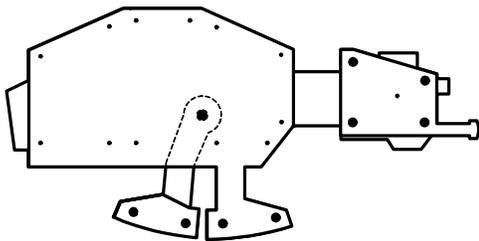


This model has 16 laser cut pieces. They still have the burn marks so you will need to sand them as much as you desire. Except some needles to help align the pieces and a hammer, this kit has every thing you need to assemble you Imperial Ramp Walker. The pieces are made from MDF so they are easy to paint or color with felt pens.



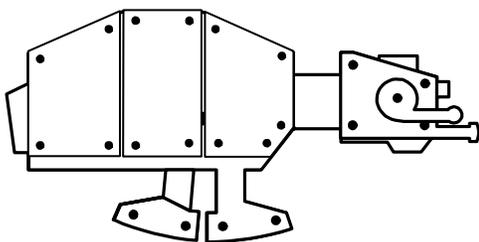
Step 1

Lay the main piece (1) down. Take the right body piece (2R), apply glue, align it to the main piece with a couple of needles in the alignment holes, and glue in place. Hammer in two nails in the foot. Take the right head piece (3R), apply glue, align it to the main piece with a couple of needles in the alignment hole, and glue in place. Hammer in four nails in the head. Flip over and repeat this process for the other side.



Step 2

In the main assembly there is a cavity where the back leg (4) will be pinned. The leg needs to be sanded a bit so it easily moves with in the cavity. Take the feet pieces (5R) (5L), align and glue them to the back leg. Each side of the foot gets two nails. Place the leg in the cavity and align it so the small dowel can be inserted. Rock the assembly and the leg should easily move. There is no need for the dowel to be glued in as the battle armor will hold it in place.



Step 3

On each side align, glue, and nail the outer armor pieces (6), (7), (8), and the small canon (9). Each side in the step with require an additional 14 nails.

You have completed you Imperial Ramp Walker.

How It Works

This walker is a pendulum were the back leg moves freely. It is attached to the body of by a peg. This is the pivot point and it is just below the center of gravity. When it rocks back the body shifts and there is a gap between the legs. When it rocks forward the gap disappears. The walker will move the distance of the gap each cycle. The angled ramp adds energy to the walker that keeps it oscillating. Just slope the ramp at about 10 degrees, give the walker a bump to get it rocking, and it will march down the ramp.