



How to build the OSE Lasersaur Door Frame

Step by step guide of how the Lasersaur Door Frame is assembled.

Written By: Robert Kirk



INTRODUCTION

This guide will give you a logical step by step procedure for construction of the Lasersaur Door Frame

Step 1 — How to build the OSE Lasersaur Door Frame



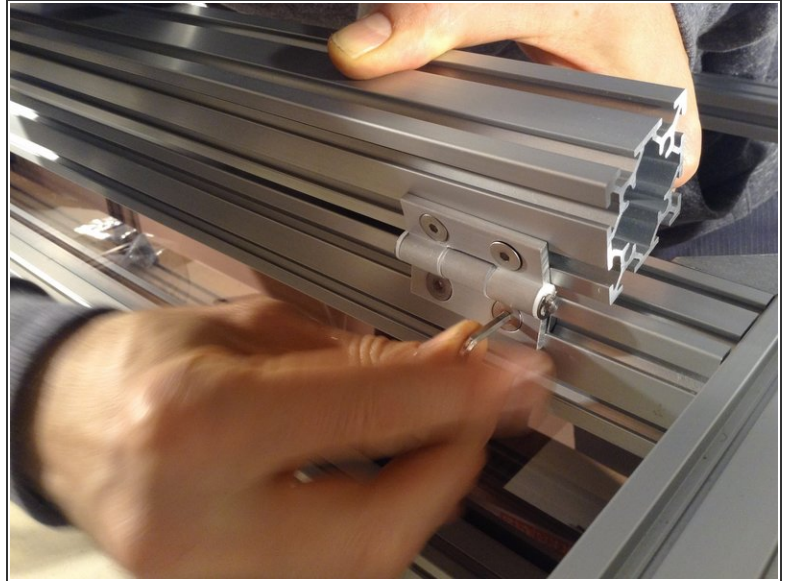
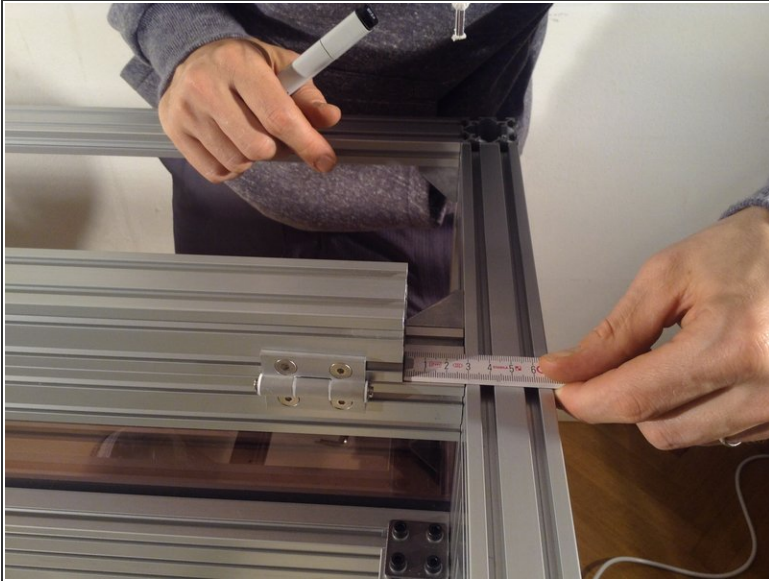
- Begin preparing door frame.

Step 2



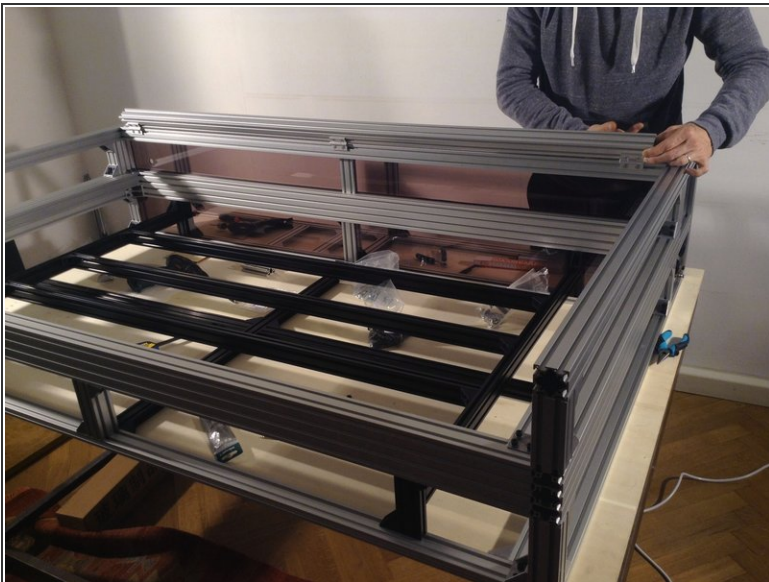
- Install 3 hinges - two towards the ends, and one in the middle, by eye.

Step 3



- Mount the 4040 extrusion top door frame, and it should be 2.8 cm off edge on each side.

Step 4



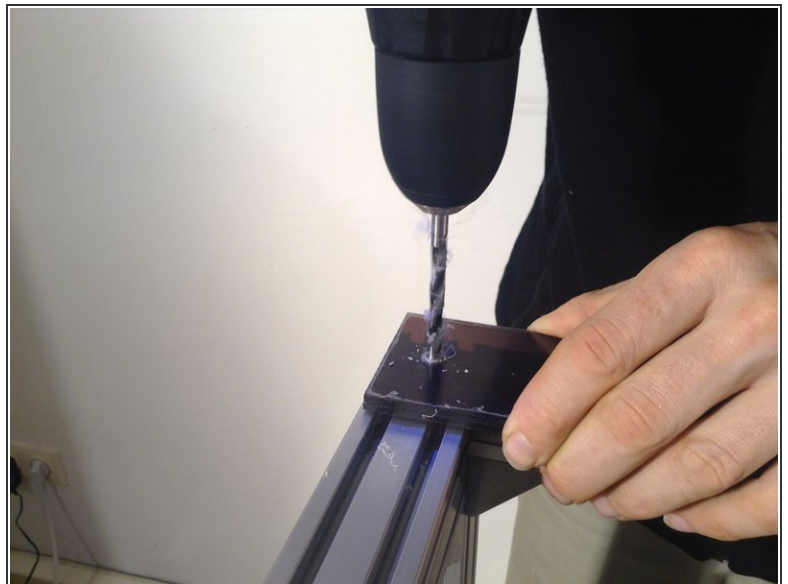
- When mounting the 4040 extrusion - push it all the way up so that hinges can close fully. The hinges must be pushed as far to the corner of the extrusion as possible.

Step 5



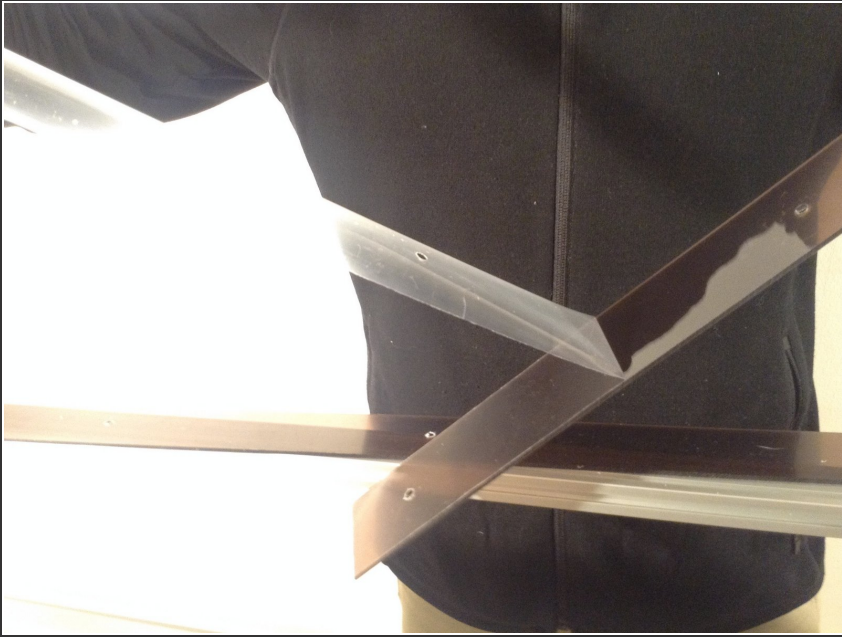
- The two 6 cm wide tinted glazing pieces serve as a seal for the door. Mark hole locations and drill bolt holes through these, and mount to the hinged 4040 extrusion.

Step 6



- Match drill through the second piece of glazing.

Step 7



- Take the protective cover off the glazing.

Step 8



- Bolt the seals to the 4040 extrusion.

Step 9



- Begin assembling the door frame with corner brackets.

Step 10



- Build the verticals of the door frame.

Step 11



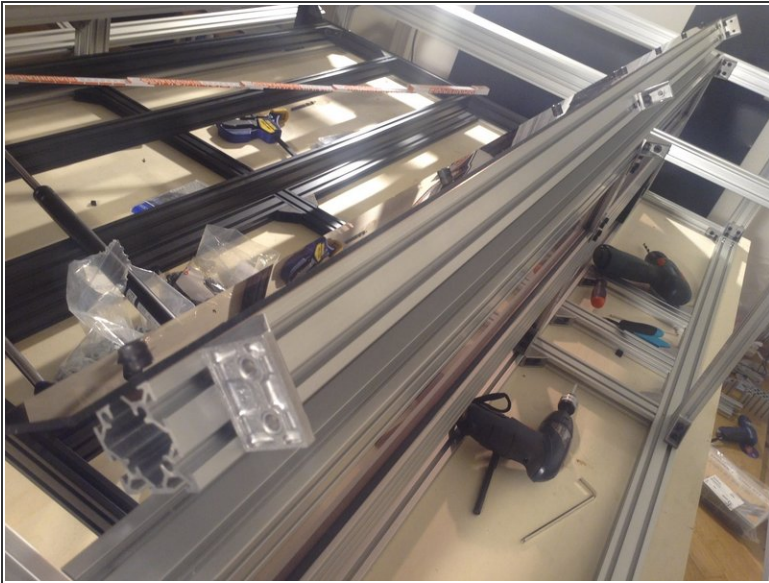
- Prepare door for mounting,

Step 12



- Place door on top of the gantry frame.

Step 13



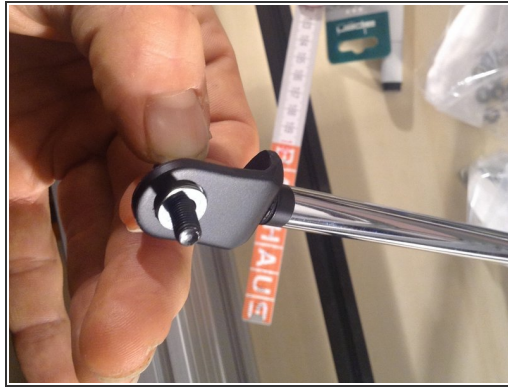
- Mount 3 door mounts to the 4040 hinged extrusion. Use double brackets on the ends and a single bracket in the middle.

Step 14



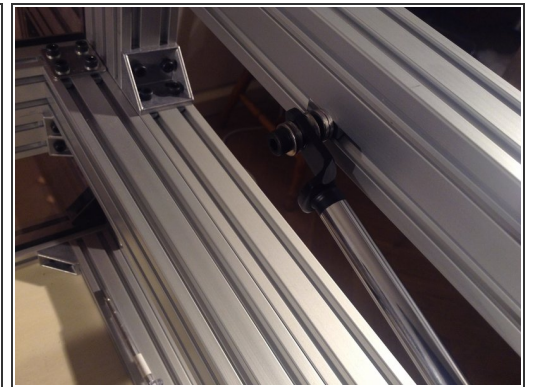
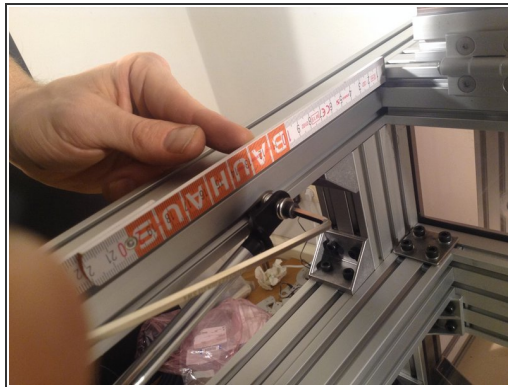
- Mount springs.

Step 15



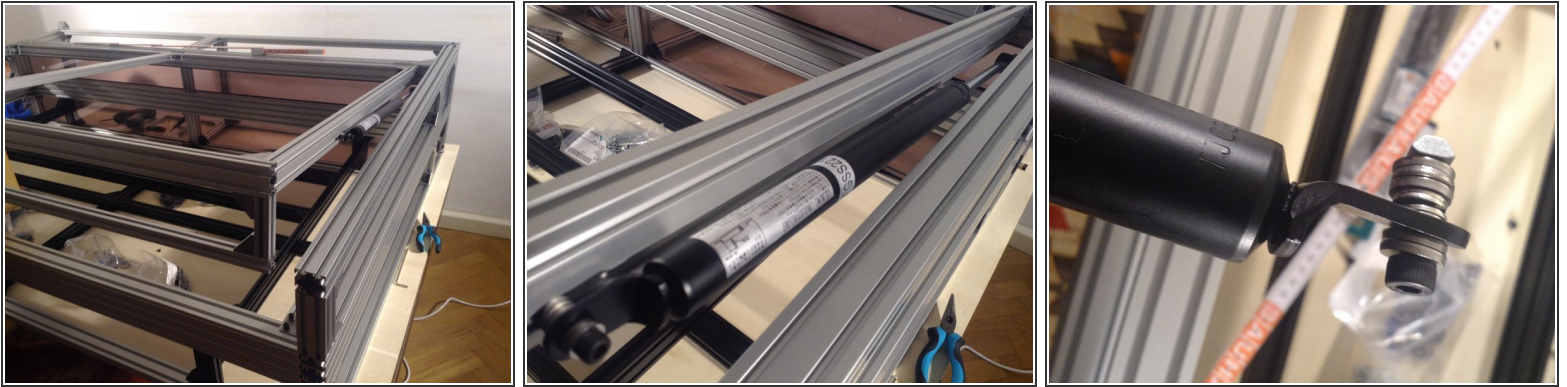
- Use 2 larger washers and 5 smaller washers on a 20 mm screw, and then 3 more larger washers.

Step 16



- Mount the rod end to the inner part of the outer 4040 extrusion.

Step 17



- Mount the base end of air spring similarly.

Step 18



- Select the position of base end such that the door is open to a comfortable height at the maximum spring extension.

Step 19



- Glue sponge shock absorbers on the underside of the door.