

# Overview

# ROOF

As of May 2022 we updated our kit design for this to change the roof line. The roof now is bent around the front upper tube by the windshield. The roof will now not be flat and will have to be bent around this area. If roofs are available on the website for order they will be shipped flat and the customer will be required to bend it around this area.

There are several other options to get a roof on your new cage as well. By providing these options we are trying to keep cost down while still providing something for everyone.

First we provide a dxf file on the site free for downloading. Take this file to anyone local with a plasma table and ask for a quote. There are tons of people in every area of the country with a table capable of cutting this for you. We prefer to use 0.063" 5000 series aluminum.

Or you can simply pick a material and trace the interior of the tubes and offset this outward by 7/8-1" and cut with a jig saw or shears. We prefer electric shears from HF if going this route.

Either way we will give you the steps needed to place a roof on your WelderD cage kit in the following pages.

# ROOF Parts

We use the following parts for a roof install

1. Roof panel (from dxf file provided) 0.063" thick aluminum
2. Hardware from [www.aa-mfg.com](http://www.aa-mfg.com)
  1. AA-678-B Body Bolt Clip
  2. AA-028-CL Trick Tab, .085" Steel, 1/2" Hole
  3. AA-522-E Countersunk Body Washer, for 1/4" Flat Head Screw, 1" OD

We typically use 10-12 of these for each roof but will provide 12 of them with the roof hardware kit. You're welcome to source them directly from A&A though too. The stainless bolts and washers look good and allow for adjustment but can be higher on cost than standard hardware store junk.

# ROOF Install

It's best to assemble to roof with the cage assembly off the machine and definitely prior to paint or powdercoating.

All you need is a straight edge and a welder!

Use the straight edge to span across the roof line tubes and place a tab flush with the straight edge and tack weld. Evenly space the tabs and fully weld in place. Typically we only use tabs on the outside tubes and use a piece of foam tape in the center to prevent rattling, or this is a good storage spot for a koozie!

With the tabs welded on, place the roof panel on and mark from underneath, typically fill the entire hole (1/2" dia) with marker. These holes can be drilled out easily with a step bit and can be drilled up to 1/2" if desired. The spring clip and washer will cover the hole and allow for proper alignment of the roof panel.

# ROOF Finish

With the roof installed it can be removed and finished however you prefer. Since it's aluminum it can be left raw. We prefer this and use a DA sander with 80-100 grit to remove any scratches. A brushed finish can be achieved with scotchbrite or even an SCT or stroke sander. Paint or powder coat is also an option.