

STARK INFINITY GAUNTLET

www.armortemplates.com

template by David J. Guyton

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I have a full list of materials required for this build, with Amazon links. See the following webpage:

armortemplates.com/stark.html

This template can be used to create armor in various materials like metal, EVA foam, Worbla, Sintra, etc. These instructions will deal mainly with how I created this gauntlet in steel (as you saw in the video). Fabrication and assembly will differ some for the different materials, but you should be able to use this template no matter what material you choose.

Be sure to use all proper safety equipment. Be sure you have no sharp edges. Be sure you protect your skin from any metal surface or edge.

This template should print to exact size. Once you print it, find the page that has the 1" (one inch) mark, or the 1cm (one centimeter) mark. Measure this mark to ensure it has printer to proper size. If it hasn't, check your printer settings. All printers are different, but usually the issue is something like "print to page" or "print page to fit" check or uncheck this box and try again. You may also have other settings on your printer you can try. This gauntlet is intentionally made very large to reflect the one in the film. If you choose to do it any smaller, you will need to make the modifications to shrink the template on your own.

A few pieces are too big to fit on printer paper, so you will need to connect these pieces with tape before tracing them out onto metal, etc. These pieces are clearly marked for you.

The glove is very large. It is a Thinsulate brand motorcycle winter riding glove size XXL. You must start with this glove or one of a similar size in order for the pieces to fit properly.

Shape the pieces as you see me do in the video. Most of them need to be rounded on a piece of exhaust pipe or something similar. Round the VAMBRACE and the HANDPLATE and ensure that both of them have the same curvature where they will meet later on. Shape the KNUCKLEPLATE in the same manner, and ensure that it matches the curvature of the HANDPLATE. You want to do this as precisely as possible to ensure proper fitment at final assembly. CENTER A and CENTER B need to be curved to fit this area as well. It will take a lot of work to get all of these pieces perfectly shaped and trimmed to fit together perfectly on the HANDPLATE. You will also need to use the piece of the template marked HAMMER FORM to make a wooden form to make the center section where the large stone goes. Once that piece is formed, you will need to cut the center out, as you see me do in the video.

If you choose to do acid etching like I did, you can do it at this point. You will need to protect any area that you do not want to etch. I used vinyl but there are other materials that will work, such as tape or nail polish. I use a solution of saltwater and vinegar, as this is safer than using a harsh acid. You will need to apply an electrical current to the solution, connecting the negative terminal to a piece of scrap metal, and the positive terminal to the piece you want to etch. **DO NOT TOUCH THE SOLUTION WHILE THERE**

IS CURRENT APPLIED!!! Dip the etched parts into a second solution of baking soda and water to neutralize them and help to prevent rusting. Dry the parts completely.

All of the fingers are marked as A, B or C. The parts marked A go at the base of your fingers, and the parts marked C are the fingertips. Parts marked B go between them. Note that all parts marked B do not have rivet holes marked. This is so that you can correctly mark your own holes after shaping using the holes marked on parts A and C as a guide. There are brass pieces that go in between these parts, labeled BRASS INSERT (A and B) You will notice that there are 5 shorter ones (BRASS INSERT B), and 5 longer ones (BRASS INSERT A). The shorter ones go in the space nearer to your fingertips. You will need to attach all the pieces together with rivets, along with a small leather strap, as you see me do in the video, You may find that you need to bend or trim parts in order to get them to move freely. Slide the completed fingers onto the glove, and take note of where the pieces end (near your knuckles). Make four leather straps like I do in the video and connect the parts marked as K in the appropriate location. Then glue (or if you choose, rivet) the leather strap to the base of the assembled fingers. Rivet these straps to the glove to connect the fingers to the glove. The thumb is done in a similar manner, but there is only one rivet in the area between TA and TB (the one closer to your hand is missing) You will still need to rivet the BRASS INSERT here (directly to the glove), but you will not be riveting TA and TB in this location. This rivet is removed to allow for maximum articulation. There is a hole at the bottom of TA that will also be directly riveted to the glove. Be sure to insert the THUMB POD into position and bend the tabs over before riveting it all to the glove.

Place the WRISTBAND on the VAMBRACE and ensure it fits perfectly. Trim as required. Once fitment is perfect, rivet the WRISTBAND to the VAMBRACE permanently. Place the SCOOP piece in position and bend the tabs over from the inside of the VAMBRACE to lock the SCOOP into position.

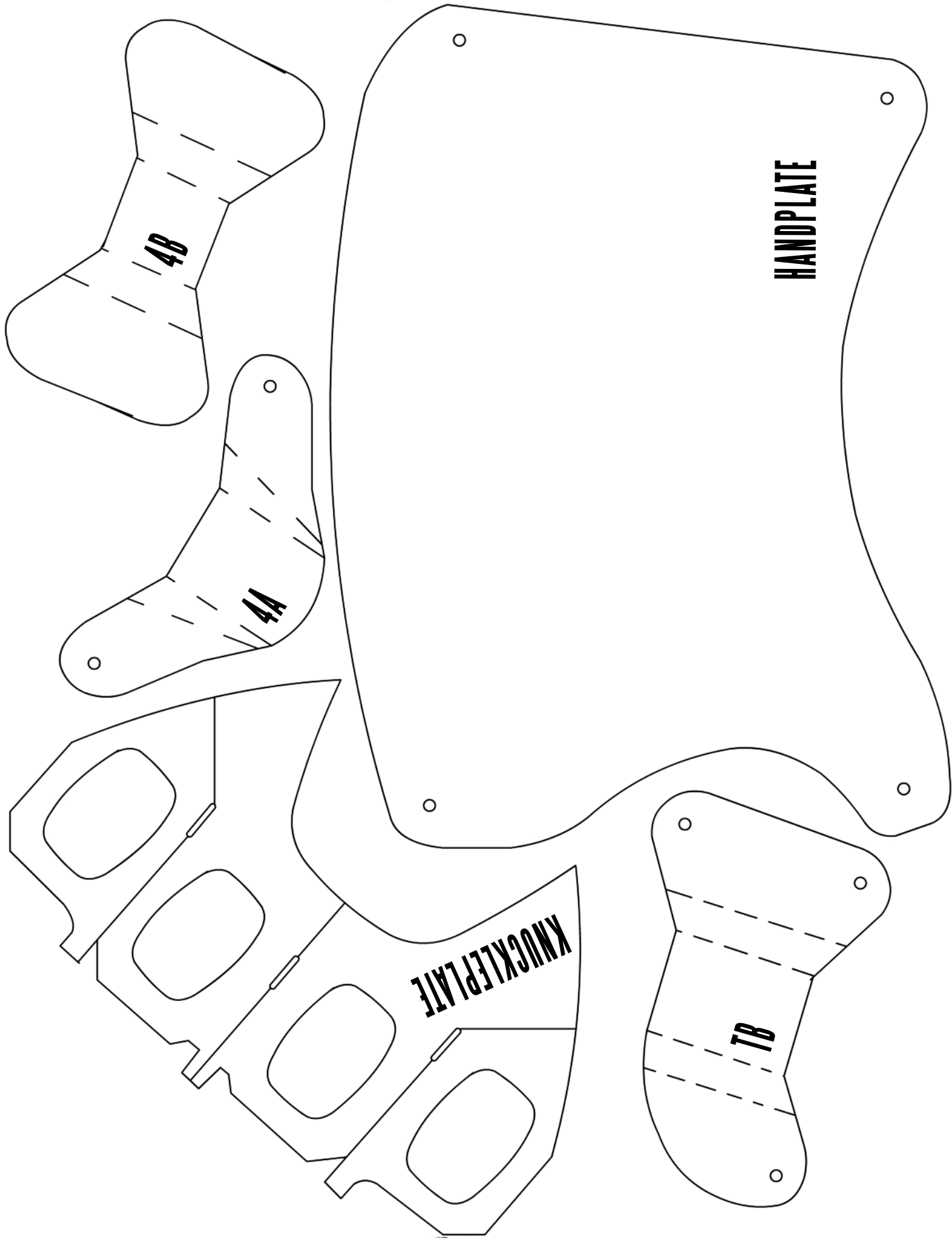
Do your wiring for your Infinity Stones at this point. Be sure to wire in a switch so that you can turn the LEDs on and off. Once you have glued in the LEDs, cover them from the underside with foam or leather or paint so that light cannot leak into the underside of the HANDPLATE. For the best effect, make the holes for the LEDs to pass through an irregular shape, rather than round. a perfectly round hole for the LED can be seen through the Infinity Stones, and it looks unnatural. Also be sure that you sand the back of your Stones to diffuse the light. It is best to keep a little distance between the Stones and the LEDs to avoid a "hot spot", or a very bright spot in one part of the Stone.

Place the HANDPLATE on the glove in position and mark the glove where the holes are in the HANDPLATE. Rivet the HANDPLATE to the glove directly. Fit the VAMBRACE in the same manner, riveting it to the glove in whatever locations you choose.

That's it! Now go save the universe!

Be sure to check out my original Infinty Gauntlet video and get the free tmlate for that one as well. I also have lots of other templates on my site so check it out!





HANDPLATE

KNUCKLEPLATE

4B

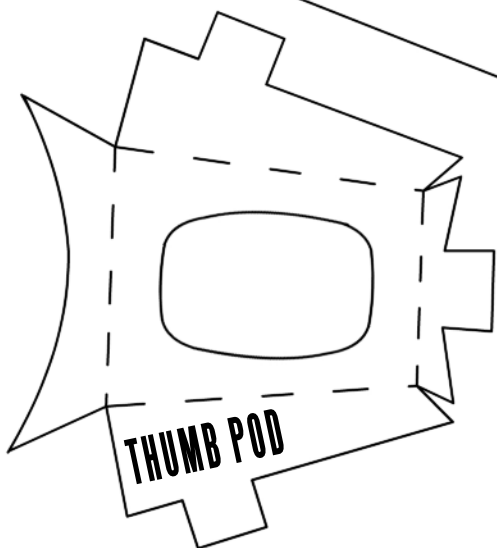
4A

TB

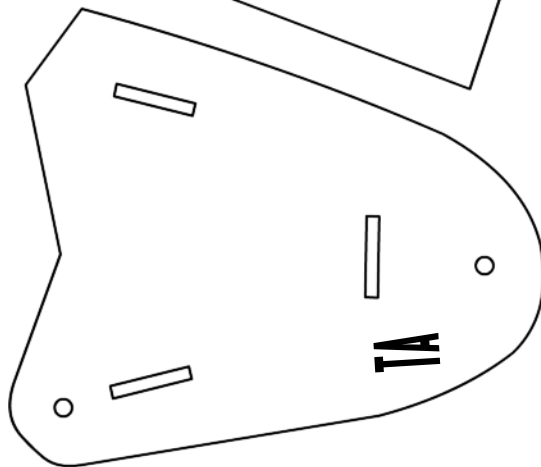
connect to VAMBRACE B here



VAMBRACE A

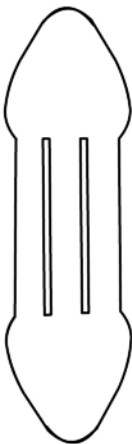


THUMB POD



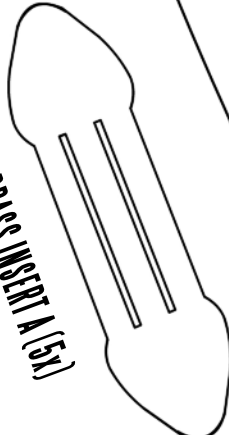
TA

connect to VAMBRACE A here

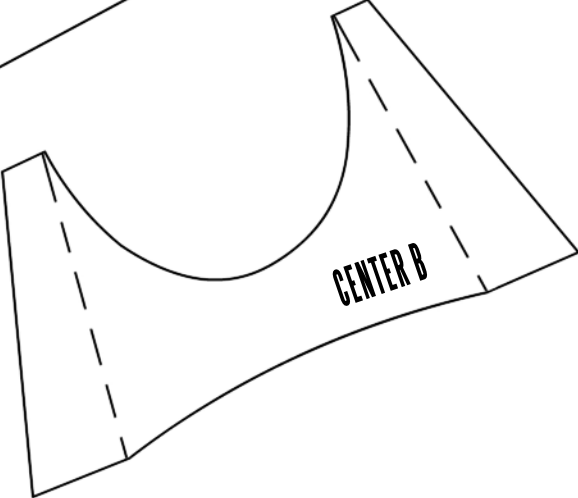


BRASS INSERT B (5x)

VAMBRACE B



BRASS INSERT A (6x)



CENTER B

