

ODST Vest Templates and Instructions

By From the Brink Studios and Les_Chriserables



Credits

These Templates and instructions are part of larger ODST builds made by @Les_chriserables and @from_The_Brink_Studios. Go check them out on instagram if you enjoy them!

If you are looking for the armour to go with your soft parts, consider checking out From the Brink Studios ODST armour set STLs.

Patterns

While we successfully used these patterns for our own work, we are by no means professional patternmakers or sewers, so bear with us if anything here seems amateur... it is!

Also included are the patterns for the extensions we used to extend the shoulder braces we bought for the costume.

This vest is designed for someone about 6 feet tall, with a slim to medium build. The velcro attachment points make it fairly adjustable.

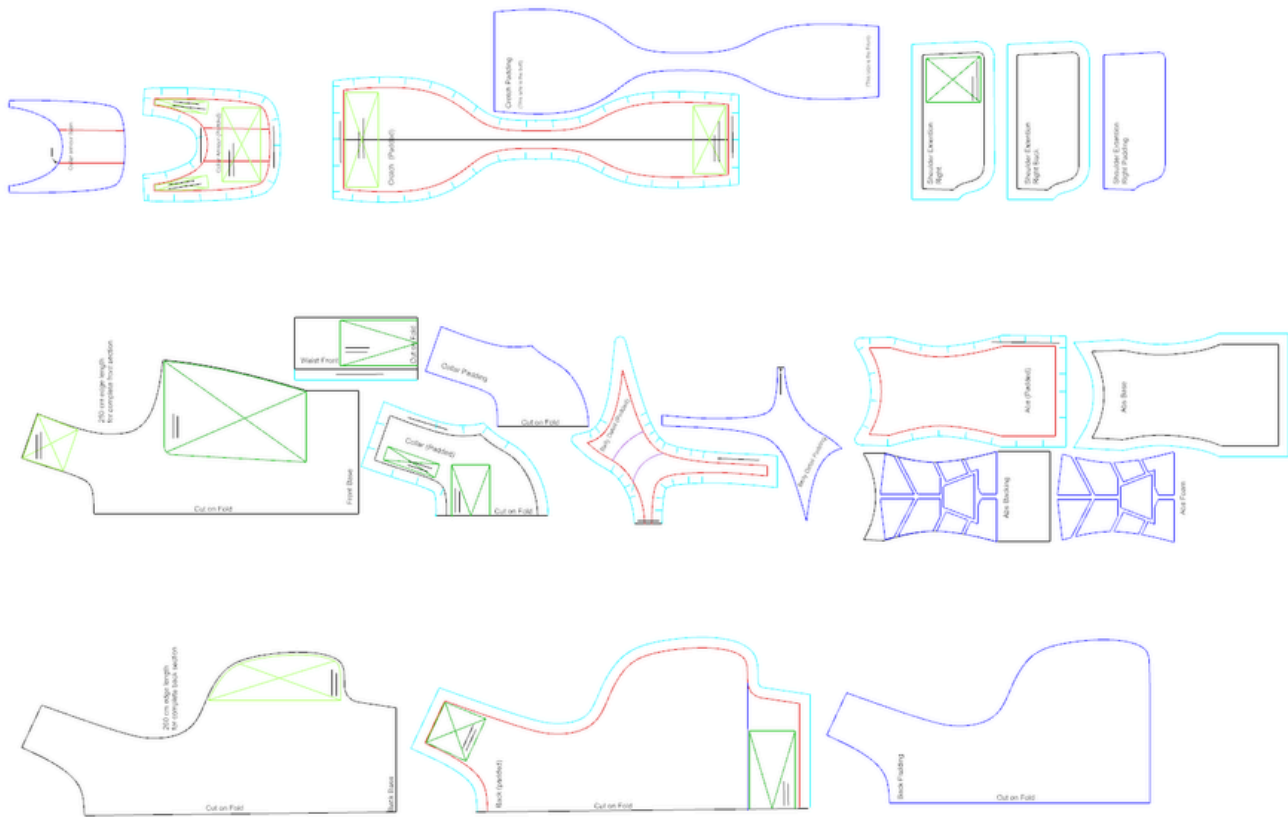
It's highly recommended to make a mock-up version from cheap fabric before attempting a full build - This will also tell you if you need to extend or scale any of the patterns to fit your body.

Printing

The Patterns for the vest have been provided in A4, A3, and letter-sized templates. Please select the one that works for your printer.

If you have not already, check out the Halo 3 ODST Cosplay Guide, released as an official reference pack by 343. It has a bunch of awesome details for the soft parts, as well as paint details, decals, and more.

Patterns



Key

Black Outline - Base Fabric (We used a medium woven black fabric)

Red Outline - Detail Fabric (We used a satin stretch faux leather)

Dark Green - Velcro (attached on the top)

Light Green - Velcro (attached to the back)

Blue Outline - Padded detail

Light Blue outline - Seam or glue allowance

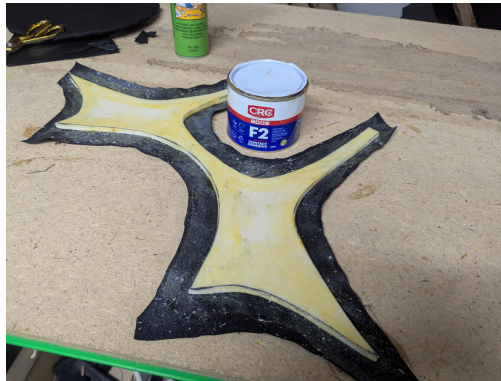
(If you are printing in black and white, all parts are labeled anyway, so the colour code is for your convenience only.)

(Padded) - If labeled as "(Padded)", the piece is made from the indicated material and backed with upholstery padding for volume.

"Cut on Fold" - Fold your fabric in half, and then pin and cut the template to get a symmetrical cut.

Instructions - Collar+Belly Detail

- Cut out "Collar" and "Chest Detail" and their padding, with plenty of seam and gluing allowance.
- Use spray glue to tack the fabric into the foam, and contact adhesive on the back side, to ensure a strong wrap.



- Spray glue, tack down, contact cement, and fold around.

- Dart the edges, so that they wrap around neatly.



- Finished!
- Do this for both parts

- The Collar needs velcro to hold the collar armour later - add this now



- Next, sew the two parts together.
- I used a hooked needle for this, and hand sewed it.
- (This was challenging to do, and perhaps it would be easier to glue the parts onto a separate piece of fabric instead.)



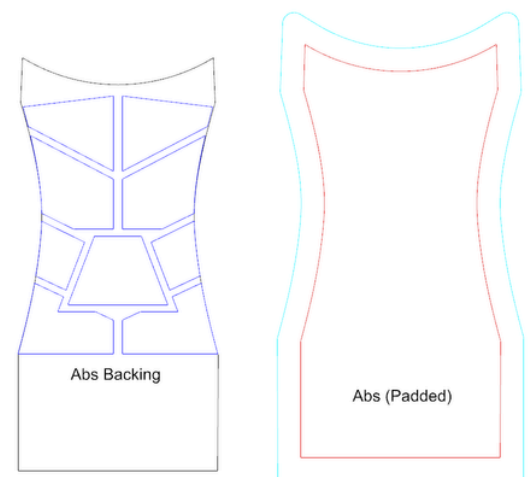
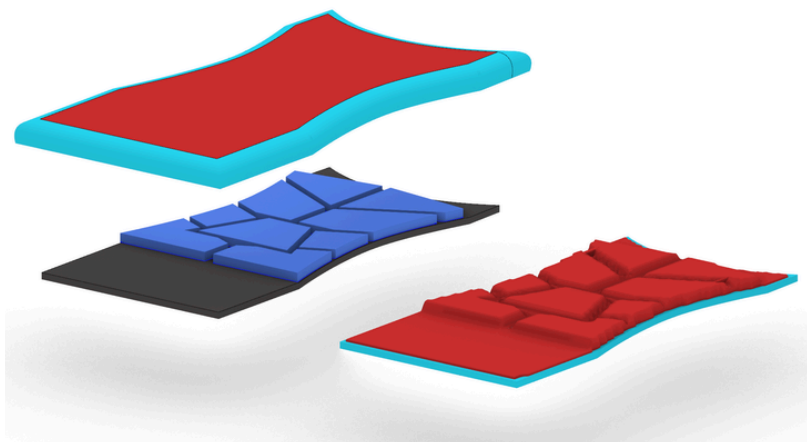
Instructions - Ab Base

- The Ab details sit on a base of textured leather (Ab Base)
- You can fold the edges neatly with contact cement, and then stitch the edges for a tidy seam.



Instructions - Ab Detail

- The Ab details are made by gluing foam made from the Blue pattern ("Abs Padded") onto the "Abs Backing." (See illustration below, before and after)
- Cover with detail fabric
- Spray glue or contact adhesive can be used, with contact adhesive on the back to glue the stack closed.



- Once the parts are glued, sew around the foam pads to secure them and pop the detail.
- TIP: Move your needle to the far left of the foot, so that the foot can run on the foam padding, a more consistent surface.



- Sew the top of the ab part onto the Ab Base - leave the bottom for now.

Instructions - Front Base

- Cut out "Front Base" as per the templates - (Note: This does not need a seam allowance.)
- Sew on the velcro patches - wide velcro recommended.
- Remember to sew the side velcro on the front, and the shoulder velcro on the back. (see photo)
- Be sure to mark centerlines!



- Line up the "Ab Detail" and "collar+Belly Detail" assembly on the Front Base
- Sew down the Ab section at the very top, where it will be hidden by the belly detail. Leave the bottom free for now (YELLOW LINE)
- Sew the Collar +Belly assembly around the top edges, through the seam that joins the assembly, and through the curved detail lines in the Belly detail. (RED LINES)
- Hand stitch the bottom of the belly detail to the base (BLUE MARKERS) Or you could use glue.
- Don't worry if the edges are a little messy at this stage - we will fix it with the edging trim, using bias tape.



- Lift the Top layer of the Ab section, and stitch the nylon webbing for the buckles into the base layers.



- Take the Waist Front, fold the top, and sew a neat seam.
- Stitch it on top of the bottom of the vest, around all of its edges. (be sure to tuck in the tops of the belly details, but I like to leave the ab details to be covered by the velchro)
- (messy edges will be fixed shortly with bias tape; just make sure they are aligned)
- Sew the velchro patch to the front, covering the top flap of the ab detail. (See picture)



- If you have an overlocker, overlock all the edges to secure them.
- Finally, take your Bias tape, and stitch all the way around the edge of the vest front. This will leave the whole thing feeling like a complete object. This is a time-consuming process, but even my pretty rushed job makes it look much more finished. Use plenty of pins or clips while sewing!
- thats the front done!



Instructions - Back

- Cut out "Back base, and sew on the Velcro to the back. these will attach around the sides of the vest.



- I then glued on my foam padding - I added a pattern to the back, but thats very optional

- Once the foam was glued on, glue down the back detail.
- Stitch around any details you added in the foam to add contrast and better join the parts together.



- Sew on the Velcro for the shoulders (on the top side here), and the Velcro for the Crotch Padding at the bottom.
- Overlock all the edges, if you have one.
- Add the same Bias tape to all of the edges, and the back is complete.



Instructions - Cotch Padding

- Cut the template out, glue it to the foam, using contact cement to keep the edges.
- For longevity, consider adding a stitch around the back to secure it down more than the glue.
- Sew a strip of velchro at each end on the inside, to attach it to the vest.



Instructions - Collar armour

- Cut the collar armour out of a firmer foam, and add two long "v cuts"
- (alternatively, cut along the v cut line, bevel the edges, and glue back together)
- Glue your detail material over the top, and add stitches through the vcuts, if you want the contrast.
- glue (or sew) velcro to the back of the assembly
- (if you sew it, do it before you glue the top on, so that you dont get stitch marks on the top.



Instructions - Shoulder Extention

- Use a shoulder brace for sports or injuries. These are pretty cheap online.
- Sew a pocket using the fabric templates, and then flip it inside-out. Add the foam into the pocket, and add the velcro.
- Now you can stick your bicep plate onto the velcro.
- Add eyelets to match the connection points on the shoulder armour. screw the shoulders on from the back.



Thank you!

We both hope you have really enjoyed this breakdown! Please tag us in your work on Instagram, and let us know if you're enjoying the patterns. We would love feedback and to see your work!

@Les_Chriserables and @From_The_Brink_Studios

