HasLab Ghost Trap Replacement Aluminum Plate Instructions

WARNING: BY MODIFYING YOUR HASLAB GHOST TRAP, YOU MAY PERMANENTLY BREAK PARTS AND/OR VOID YOUR WARRANTY.

PROCEED AT YOUR OWN RISK!

Prepping the Plates

Clean the aluminum plates with a scotchbrite pad or similar, sand edges and clean up surfaces. Ultimately the appearance you want is up to you to decide. We recommend wet sanding in one direction with 300/400/600 grit wet/dry sand paper. You can create a very nice brushed appearance. Using an orbital sander is also a great way to get a uniform texture. For the bargraph plate, you may want to paint it using flat black spray paint first.

Decide what to Replace

You don’t need to use every component and plate, but if you do want to use them all, installation becomes more difficult and best for advanced modders. We’ve categorized the parts into the following list based on difficulty.

Easy:

- Bargraph Plate
- Large Side Plate Left
- Large Side Plate Right

Hard:

- Small Side Plate with Large Black Knob
- Small Side Plate with Small Black Knob
- Front Plate

When you choose to do the harder options, you put your Ghost Trap at a higher risk of damage. That being said, as long as nothing breaks, all of these changes are reversible and you can revert to the original appearance.

Recommended Tools

- 2mm & 2.5mm Allen Wrench
- Small Phillips screw driver (#0 & #00)
- Small flat blade screw driver or pry tool.
- Scissors or flush cutter

Bargraph Plate

The bargraph plate is the easiest part to replace and is a good place to get started. To remove, simply remove the 4 button head screws and remove the existing plate. Now is a perfect time to also remove the bargraph lens and install a new one from GBFans.com!

Installing the new bargraph plate is as easy as setting it into place and re-installing the 4 button head screws.

Left Side Plates

Removal

The left side is the side with the large black knob and the two red or silver rods. There are 7 screws that must be removed to replace the small and large plate.

Start by removing the red or silver rods. Hidden underneath the top rod is a countersunk Philips screw.

Remove the 4 socket head cap screws on the smaller silver plate and remove the plastic knob and small plate as one assembly.

The last step is to remove the two large button head cap screws holding on the large steel plate. The plate can then be removed.

Assembly

The large plate is very easy to install, just make sure you align the plate with the slots for the rods and ensure you have the correct side facing out. Reinstall the two large button

head cap screws and install the countersunk Phillips screw by the rods. The rods can then be reinstalled.

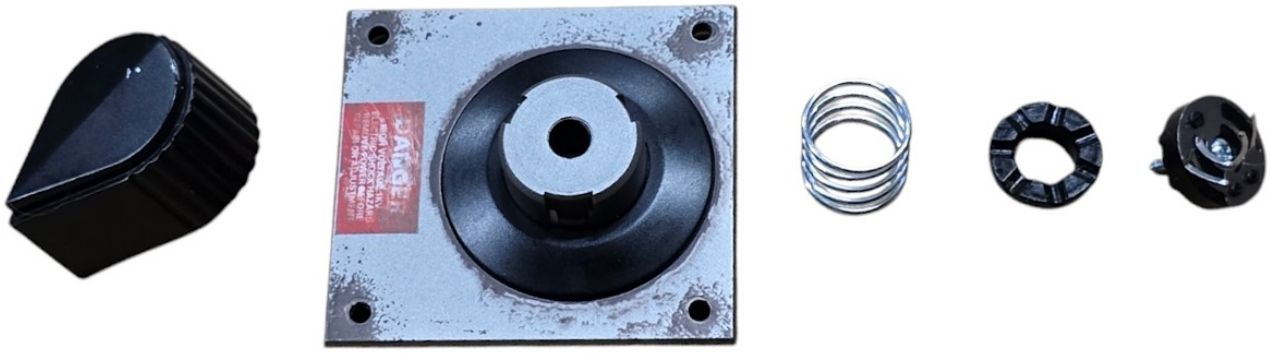
Small Left Plate

This plate is a bit harder to replace than the last plate.

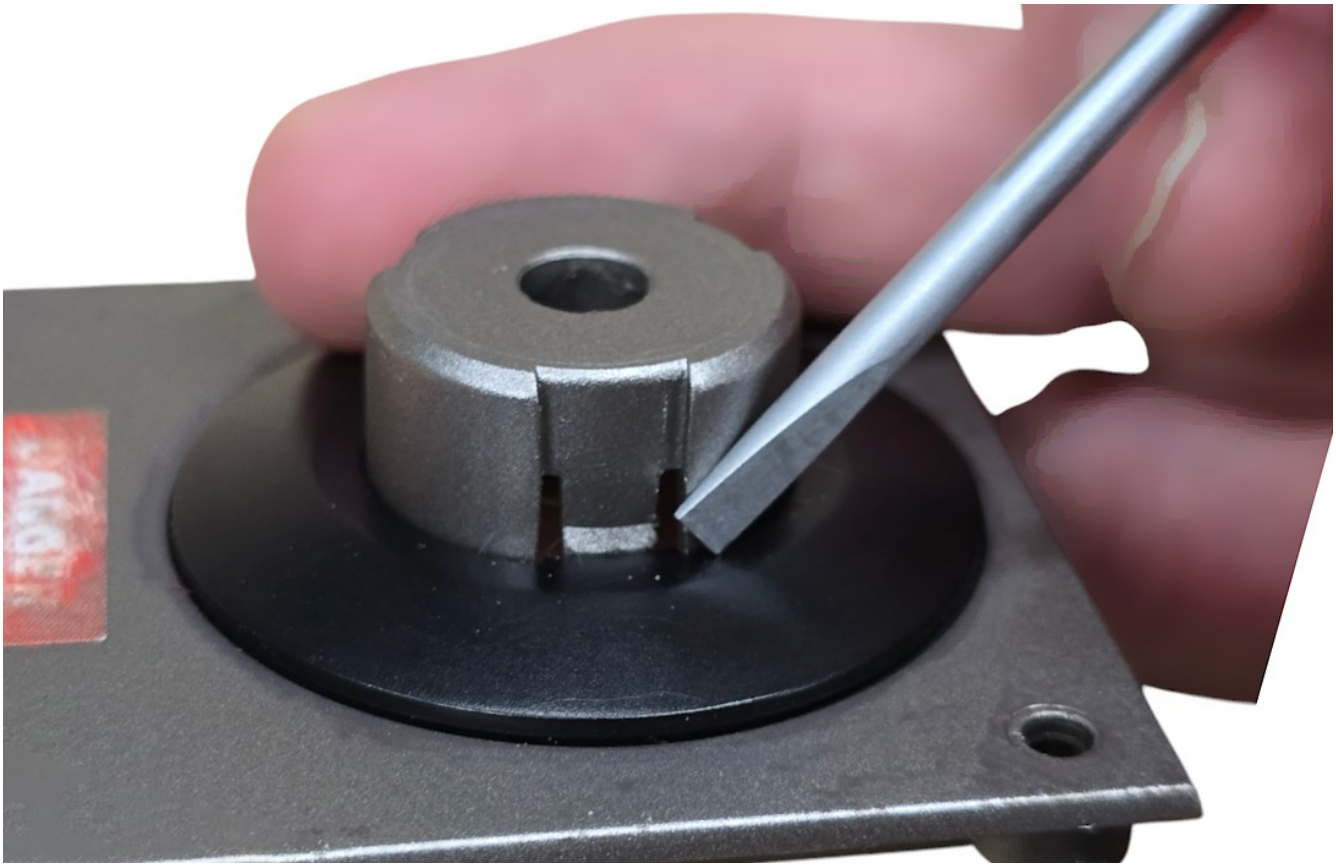
Here is what the plate looks like at this stage:

Flip the plate over and you will see a small silver Philips screw. Removing this screw will release a spring. Go slowly and it should come apart without issues. Hold the knob from the other side if there is any problem or it starts spinning. Keep track of all parts!

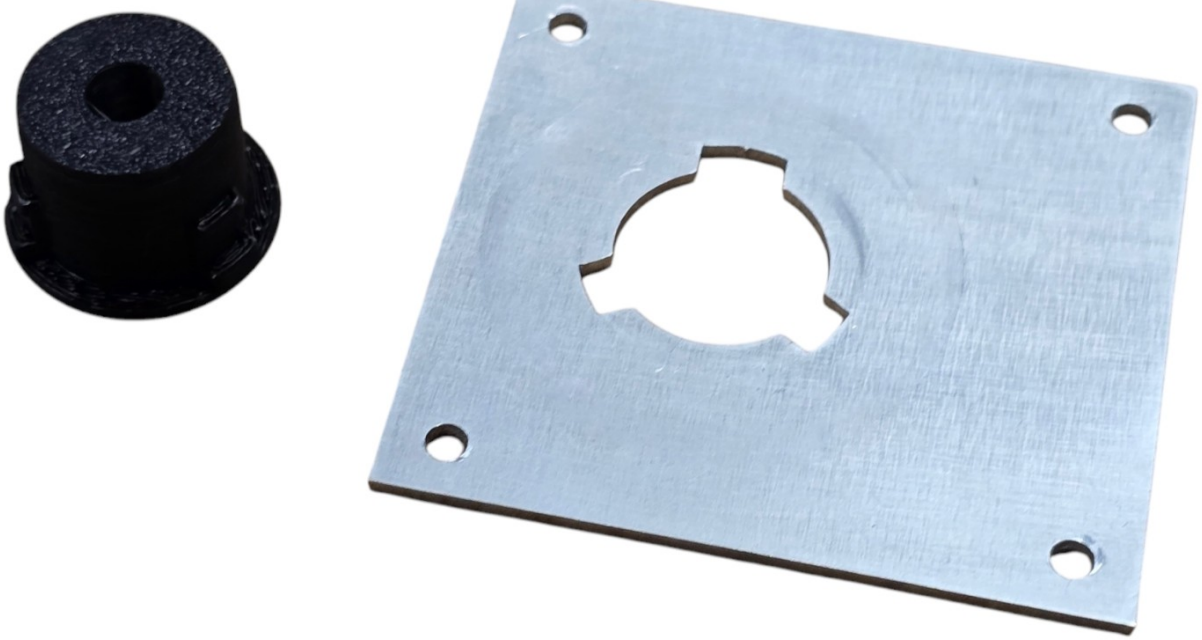
These are the parts you should have now:



The black skirt for the knob is retained by the silver plate. You will need to unlatch this ring using a small flat blade screw driver to unlatch the hooks. You do not need to pry very hard, it isn’t held in very tightly. NOTE: There is a small pin on the back of the black skirt. You need to cut this pin off to install the skirt.

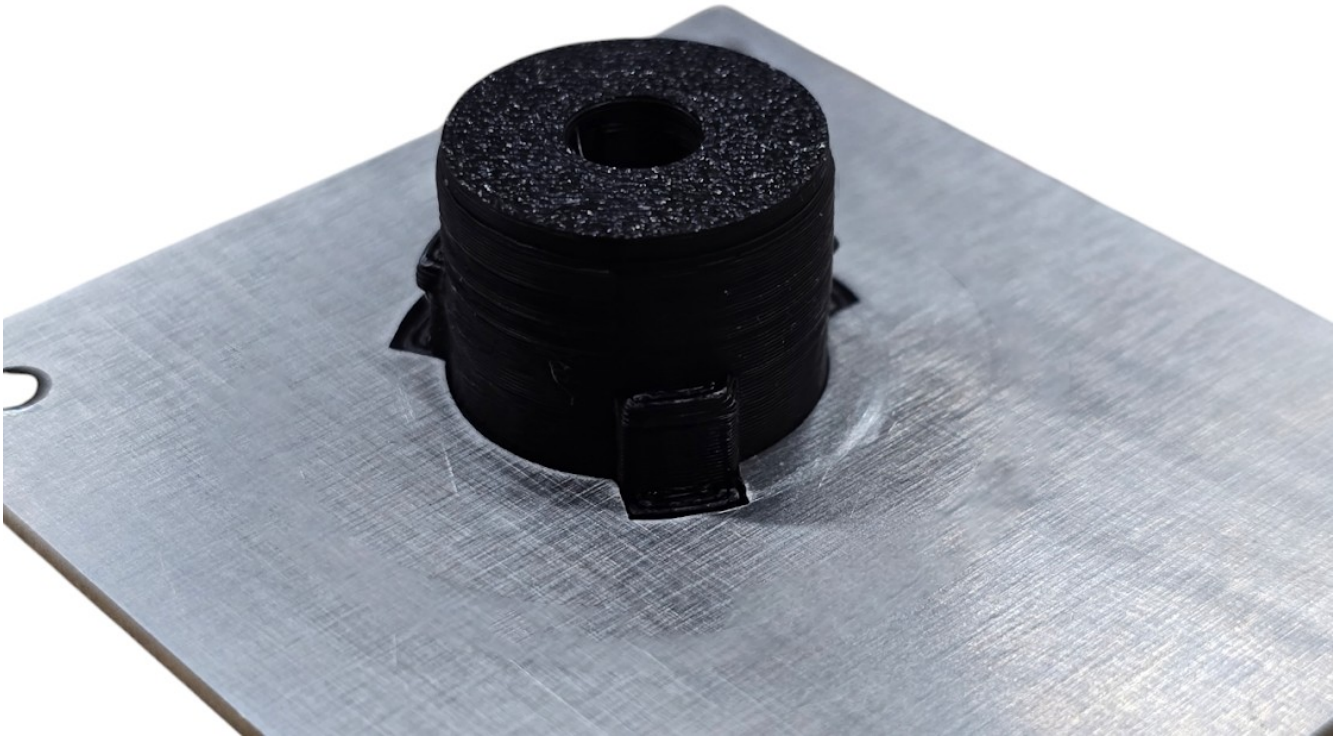


New parts are the small plate with the keyed shape. Included is a plastic insert that replaces the knob mount from the original. The plate is not symmetrical. It is possible to install the plate backward and have a knob that isn’t aligned correctly. The plate as pictured, shows the outer surface.

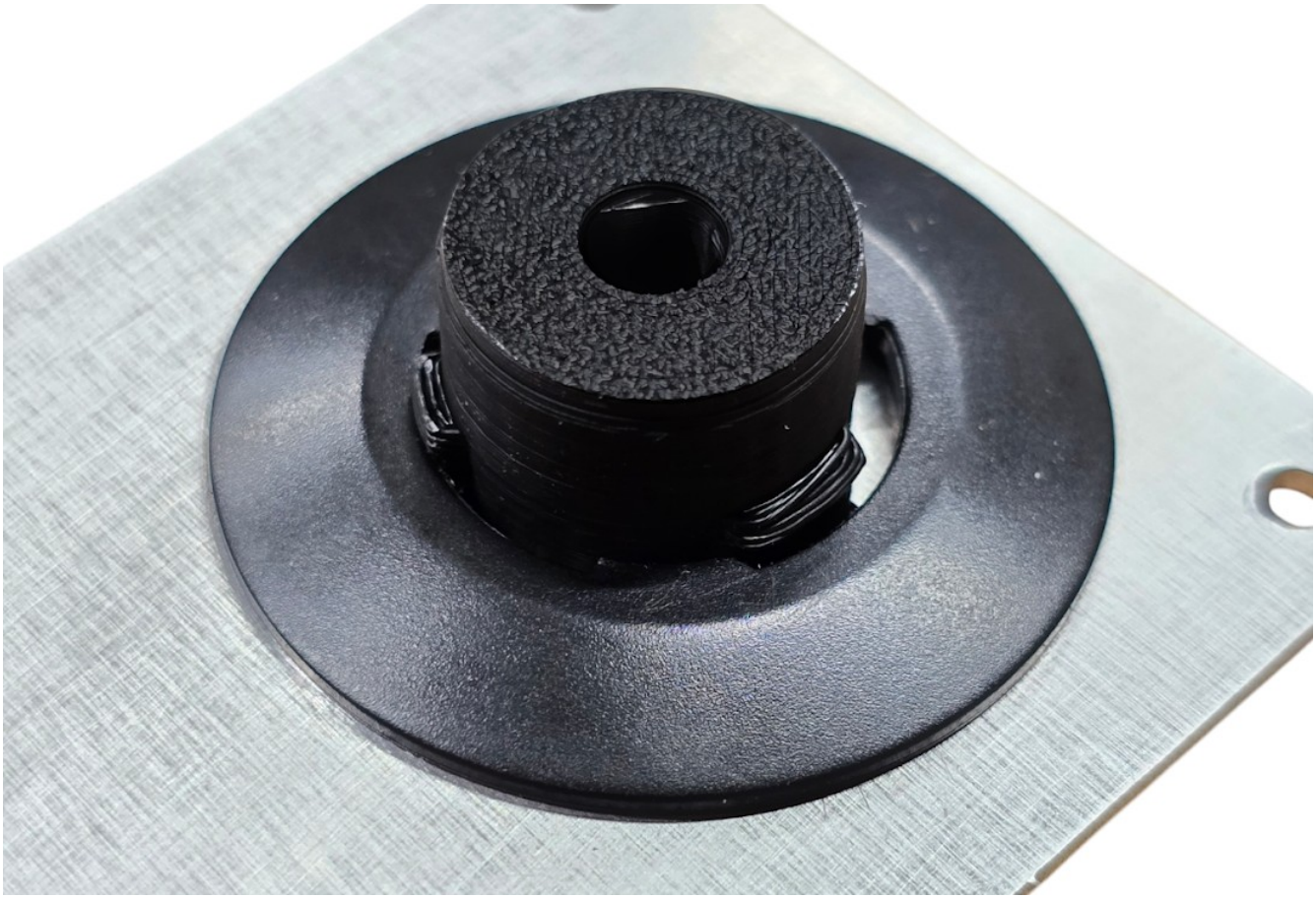


You will notice one of the shapes on the Y is wider than the others. This will correspond to the wider part on the plastic insert.

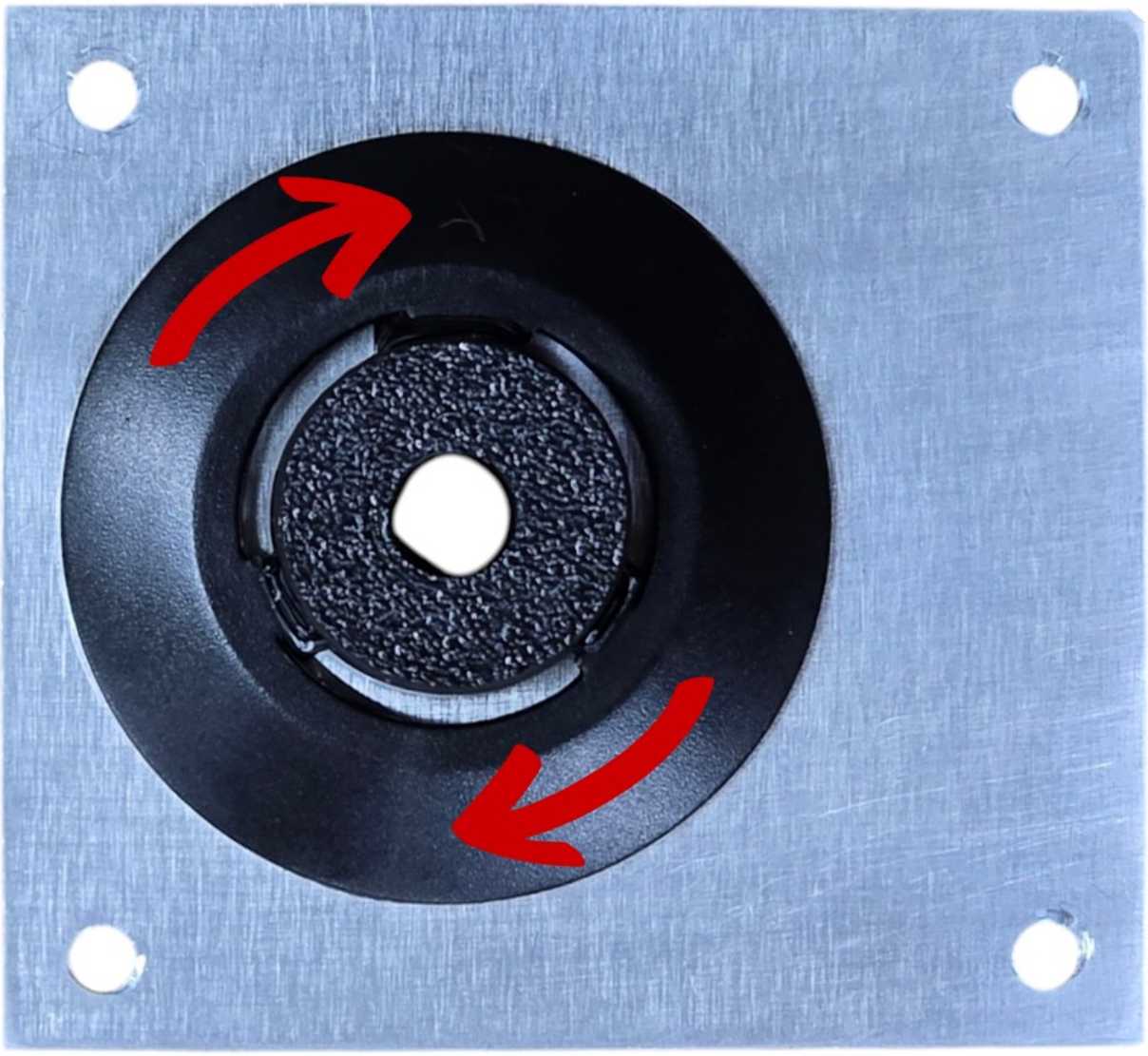
Push the insert through from the back, making sure it is fully flush on the other side. You may need to sand or file away any burrs on the plastic piece if it won’t sit flat.



Now you will be able to reinstall the black plastic skirt. Notice closely that the skirt also has tabs in a Y shape, with one of the tabs wider than the others. You do not want the tabs to line up yet, you want the two pieces to slip past one another so the skirt sits flat against the plate. Once flat, you spin the skirt and it slips under neath the tabs. If it is too hard, you may have not gotten the plastic insert piece to sit flat against the metal plate. NOTE: Make sure you have removed the small bit of plastic on the back of the black plastic skirt, it is no longer needed. Carefully use a flush cutter or scissors.



Rotate the skirt to lock it into place. It should be easy and stay firmly in place.



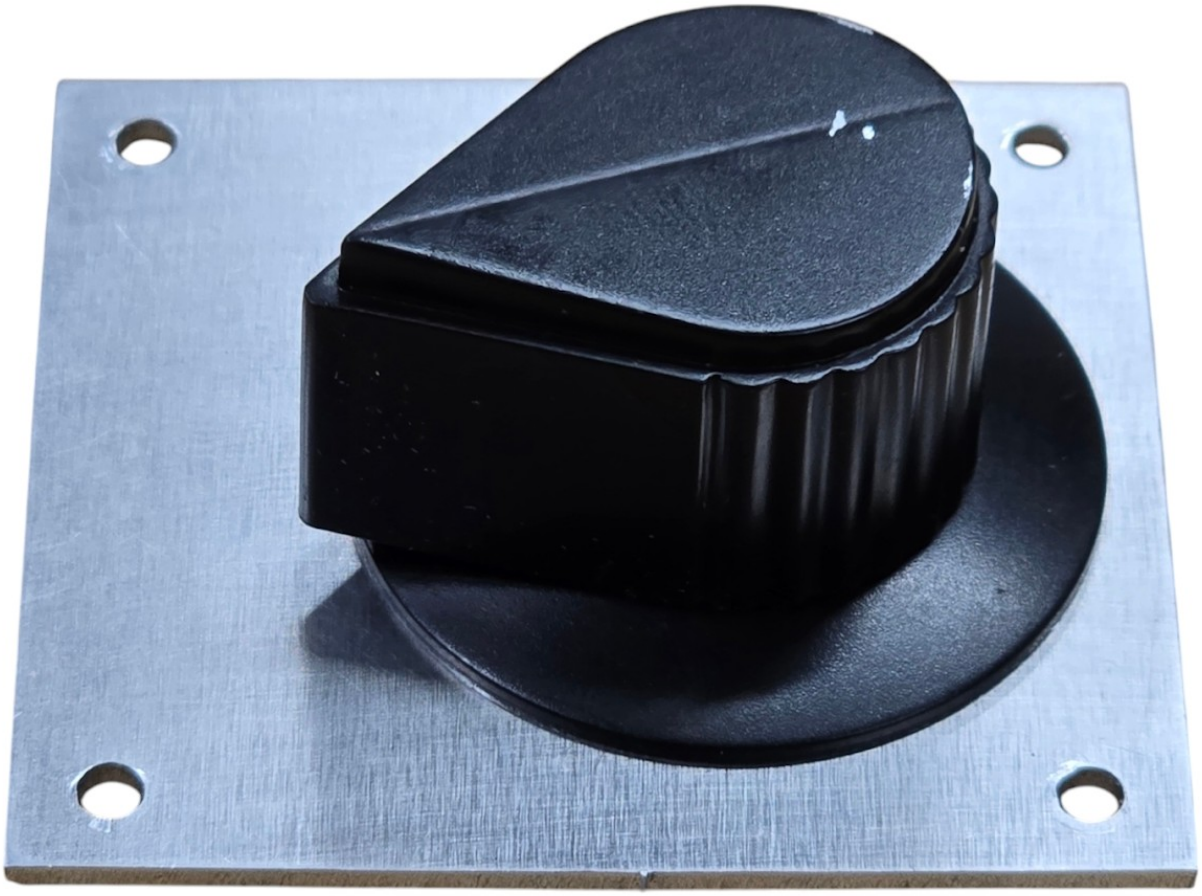
Installation of the knob is now fairly straight forward, but you must put the components in the correct order and ensure they line up with the keyed indexes on the knob and in the plastic insert. Start by installing the knob from the front side and insert it all the way through.

Next, install the silver spring.

Install the next part, making sure to pay attention to the keyed part that lines up with the knob insert. You don’t need to press it against the spring and it may spin and line itself up while you are tightening the screw in the next step.

Install the remaining piece with the silver screw. This piece needs to line up with a key in the actual knob. You will tighten the screw slowly while rotating the knob. Eventually the knob will lock into the key and the previous piece with the spring will lock into its respective slots. The knob should now be secure and rotating the knob should rotate the metal contacts on the back.

If you did everything correctly the knob should be secure and spin firmly.



Installing the plate back on to the trap is as easy as installing the four socket head cap screws. NOTE: The circuit board under the plate is held down by the spring tension of the knob. Make sure you didn’t assemble the plate backwards or it won’t line up! Make sure the circuit board is resting fully on its pins and didn’t fall out of alignment.

Right Side Plates

Removal

The plates on the right side of the trap have the small plate with small black knob as well as the gold resistor and silver “vector” plate. There are 12 screws in total to remove to swap the plates, make sure you don’t lose any!

Start by removing the gold resistor and “vector” plate. There will be 6 socket head cap screws in total here. The resistor is actually two pieces that interlock. The middle section will need to slip out while disassembling, make sure not to lose it.

The small plate is held on with 4 socket head screws. Remove the four screws and then pull straight up on the knob. There is a metal shaft that needs to be aligned and pulling straight up will ensure you don’t break anything.

Remove the remaining two large button head cap screws. The large plate can now be removed.

Assembly

The assembly process is similar to the removal for the large plate, “vector” plate and resistor. Start by installing the large aluminum plate and re-secure with the two large button head cap screws.

With the large plate installed, you can now install the “vector” plate and resistor.

Slip the gold resistor into the “vector” plate from the back. Once the gold resistor is in the plate, you can reinstall the second part of the resistor into the hole. Keeping all three pieces lined up and together, you can slip the parts back where they go.

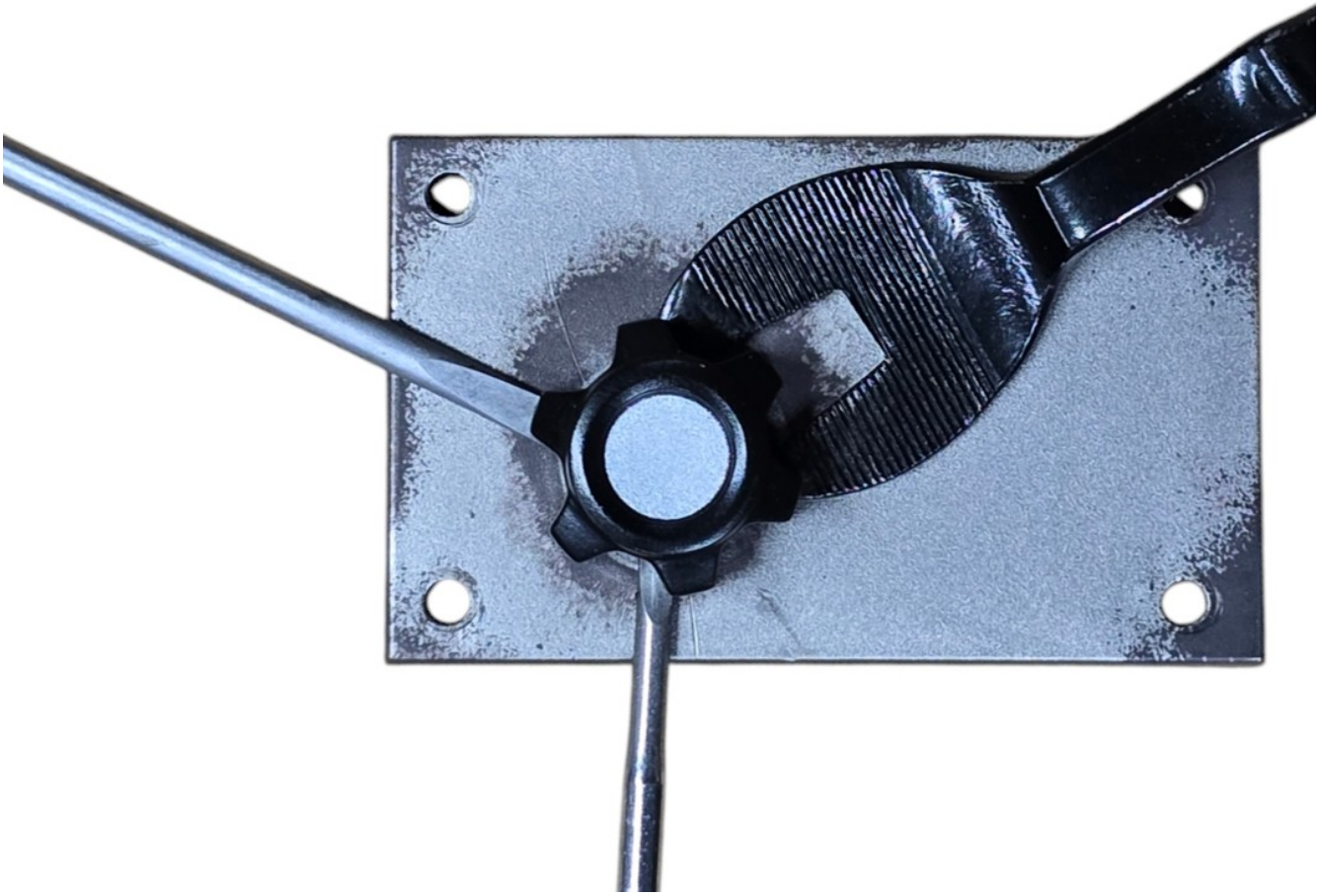
Start by installing the two socket head cap screws into the resistor and then install the remaining 4 into the “vector” plate.

Small Right Plate

The small right plate can be more difficult to remove and you are at a risk of damaging or breaking the part. The knob is press fit around a metal shaft that is sandwiched between the silver plastic piece. It will require using a bit of force around the knob to pry against the plastic plate.

If you choose to do this, it is at your own risk.

What we would recommend is to use two small flat blade screw drivers wedged underneath the knob to pry it off of the shaft.



You must go slowly, it will require an even pressure from both sides at the same time. You don’t want to lever it crookedly. Pry evenly on both side a little bit, stop, and pry again from a different location on the knob. The goal is to pry it straight up. If you pry at an angle or don’t pry evenly, you may break something.

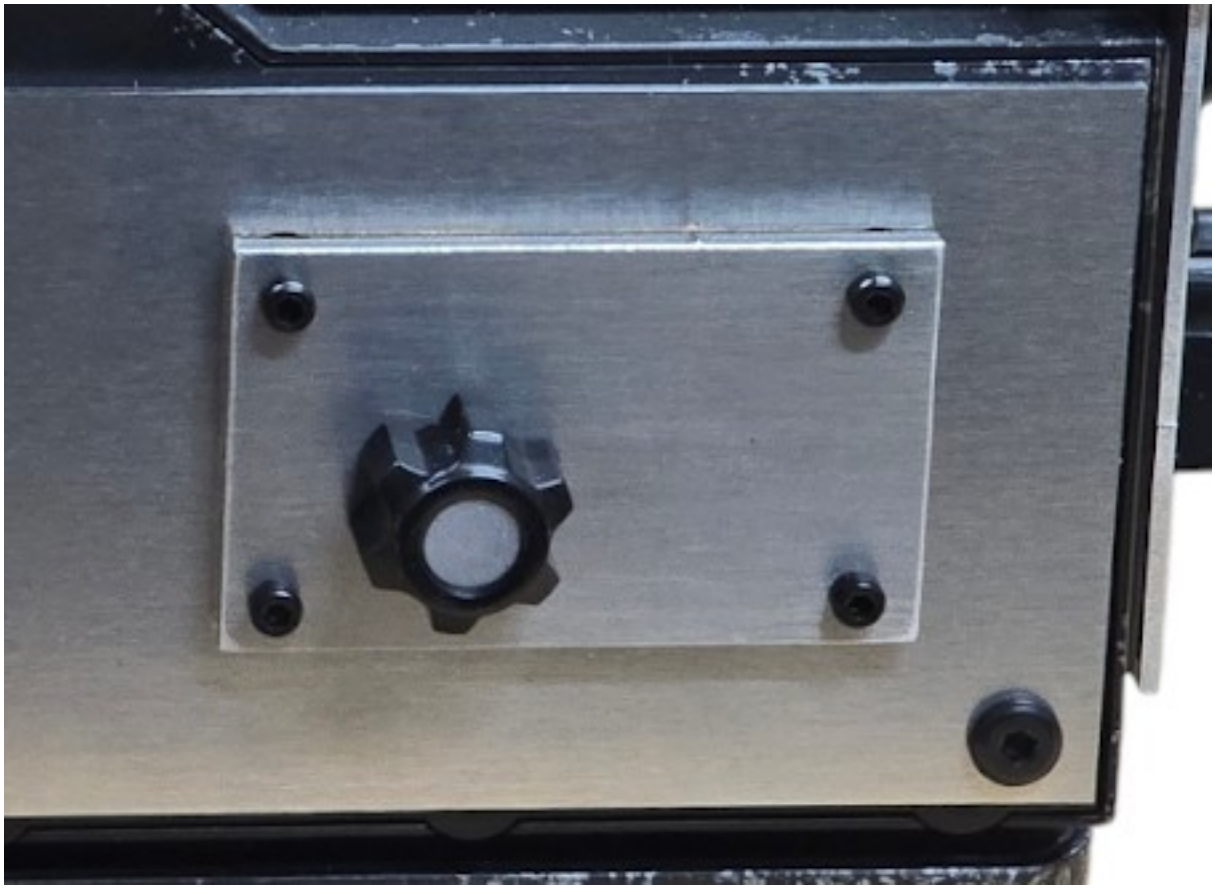
Eventually, you will overcome the resistance of the force fit and the knob will come off leaving behind the shaft with a silver collar and he knob itself.

Thankfully reassembly is easier than the other knob. As long as you didn’t break anything, you can actually remove and install the knob a few times. If you wear out the hole too much, you may need to use glue during the reassembly. If you ever want to revert the trap to the original plates, be careful and don’t install and remove this knob repeatedly.

There is another plastic insert that replaces the part that was part of the original plate. Insert the piece carefully from the back side and then insert the shaft and press the knob back together. NOTE: The knob has a flat side that corresponds to a part on the shaft, make sure these are lined up before pressing the shaft back into the knob!

If you do everything correctly, the knob will be installed on the new aluminum plate and rotate smoothly.

Installation of the small aluminum plate is very easy, but you must make sure the shaft is lined up. The shaft is shaped like a hex, so you may need to rotate it 60 degrees for it to insert into the electric board. Once lined up, it should attach again with the 4 socket head cap screws.



Front Plate (HARD)

Removal

If you want to undertake the task of replacing the front plate, it can be difficult and you run the risk of damaging the trap electronics or getting wires pinched.

Remove the cartridge from the trap.

On the underside of the trap, remove the battery door and remove the batteries.

There are 8 very small holes on the bottom of the trap cartridge. These are plastic covers that *may* be removable, but if you have a very small Phillips screwdriver (#00) you can actually press that screwdriver into the hole and reach the screws contained inside.

Remove the 8 screws (they will still be retained inside the covers).

The bottom of the trap cartridge can now come off. There will be a circuit board stuffed into the side and lots of wires. Be careful not to damage anything or damage any of the wires. Take extra care around the battery compartment and try not to damage the small circuit board there.

The front plate will have several switches and wires going to it. The whole assembly is mounted to a black plastic piece. This assembly slides down and out of the trap cartridge, but due to the wires, it must remain connected.

You can now remove the two screws holding on the front steel metal plate.

There are 4 knobs on the front panel. Each knob is held on by a silver screw, 4 in total. There are also a few black plastic toggle pieces. Remove each of the 4 knobs and once they are removed, the whole front plate can be removed.

Install the new aluminum plate, making sure the holes line up and you don’t have it on backwards. The knobs re-insert from the front and re-assembly the same way as they were removed. No additional parts are needed, just make sure everything goes back together as it was.

Install the two screws on the front plate.

The whole front piece slips back into place and the cartridge can be reassembled. Take great care in ensuring no wires are pinched and the circuit board is in the correct position. The bottom of the cartridge can be put back into place and the small Phillips screwdriver can be used to tighten the screws once again.

Reinstall the batteries and install the battery cover and you should be good to go!

WE WILL TRY TO UPDATE THIS SECTION WITH PICTURES SOON!

That is one sharp looking trap!