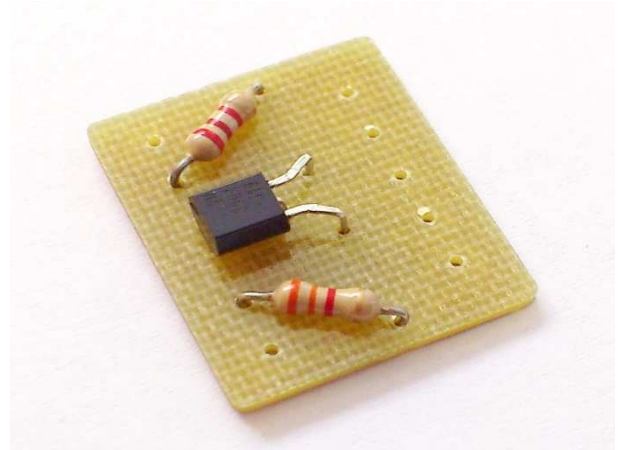


# Atari 7800 A/V Mod

## Installation Guide

This document will guide you through installing your Atari 7800 A/V Mod Kit to your Atari 7800 NTSC and PAL game consoles.



Step-by-step guide will show you the detailed instructions; please carefully follow them.

### Important Note!

These old consoles do have large capacitors inside and they need to be discharged before doing any job with the electronics of them. Otherwise, you may get shocked by accidentally or unintentionally touching them. To avoid such a situation, please leave your Atari 7800 game system's On/Off switch at the **ON** position for at least 5 minutes with the power plug off the electricity source. Please do not skip this stage!

### Disclaimer:

**Though this job is a pretty easy task, it requires that you do some soldering of some wires and connections. If you are not skilled with a soldering iron, please have this installed by someone experienced! I cannot be held responsible for any harm you do to yourself or to your Atari 7800 game console.**

### Tools Needed

- Soldering iron and solder
- Solder braid(optional)
- X-Acto knife
- Drill with 1/4" drill bit
- Needle-nose pliers
- Philips-head screwdriver
- Hot glue gun and hot glue stick(optional)



**NTSC GUIDE**

Step 1:

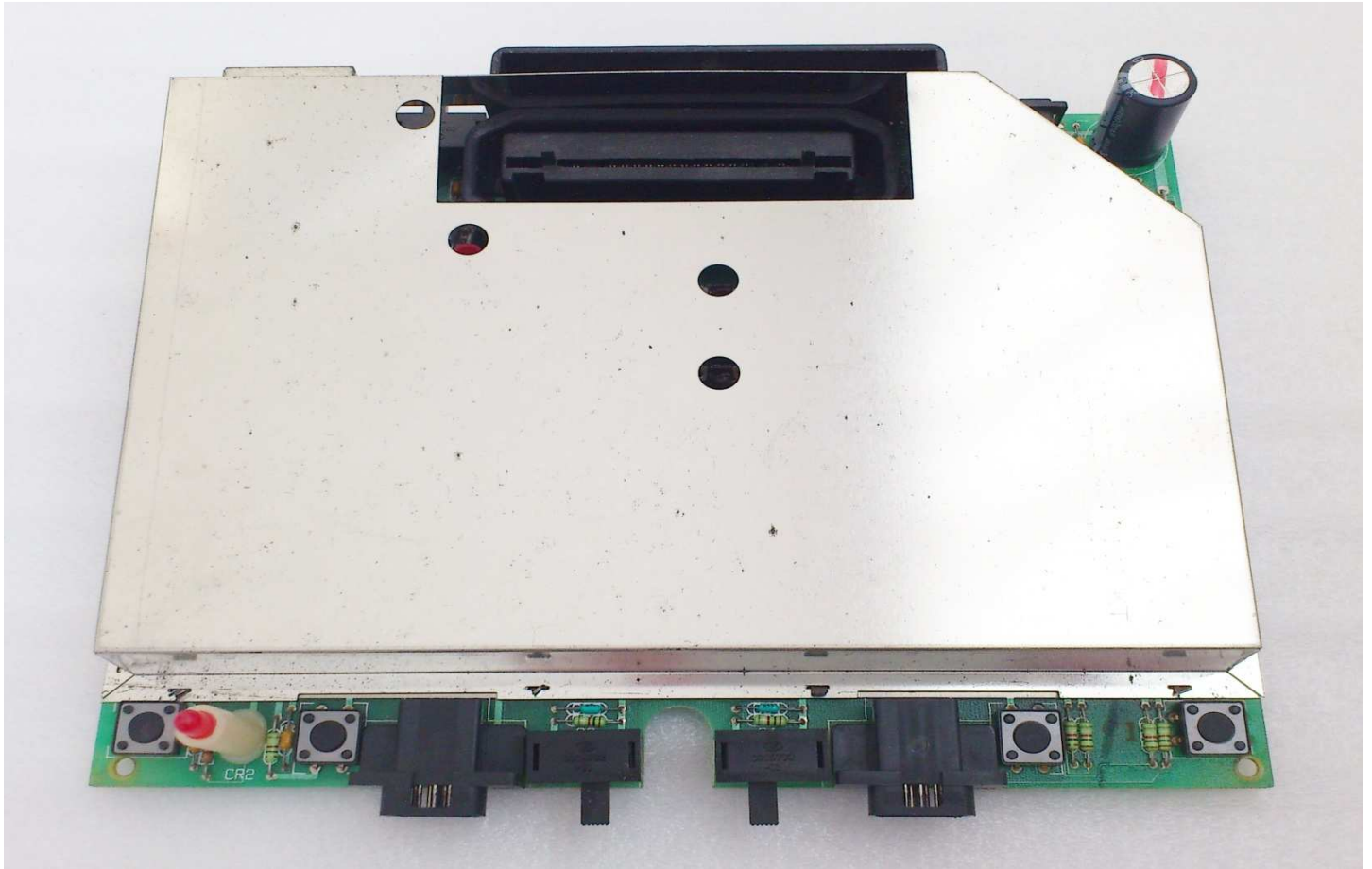
Unscrew the five screws shown below. To open your Atari 7800, separate the halves gently and carefully.





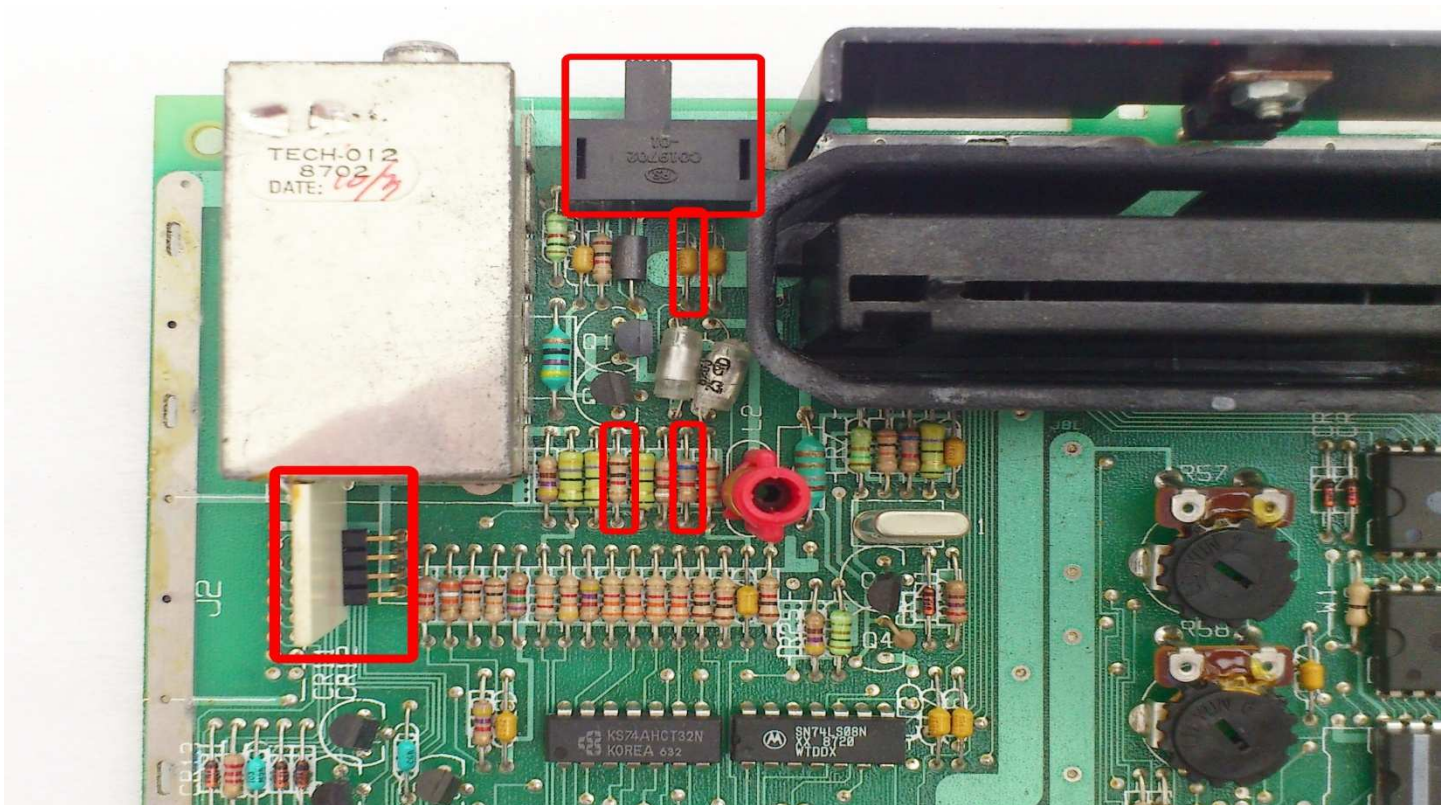
**Step 2:**

**Remove the metal shielding from the motherboard. You do not need it anymore; you can get rid of it!**



**Step 3:**

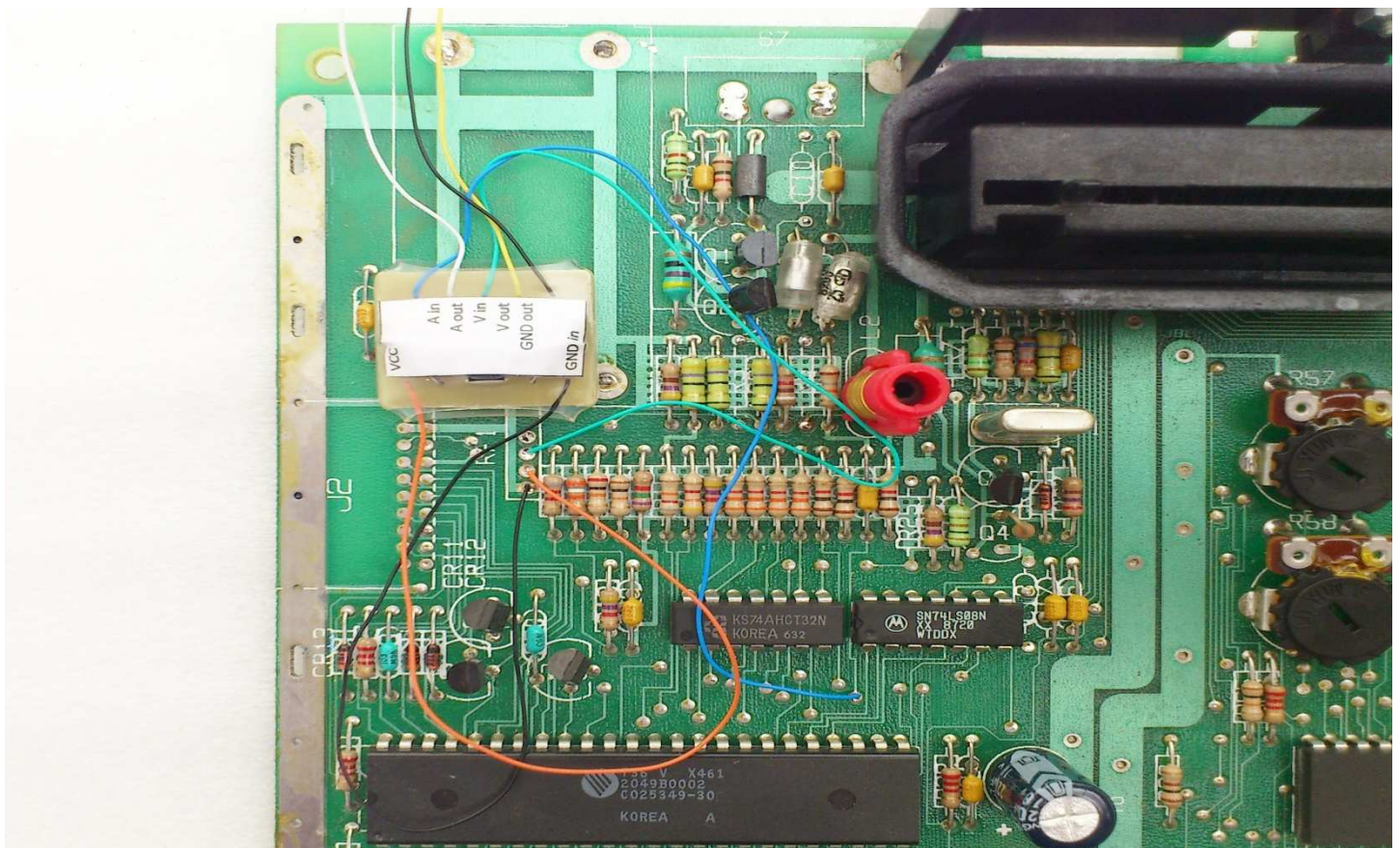
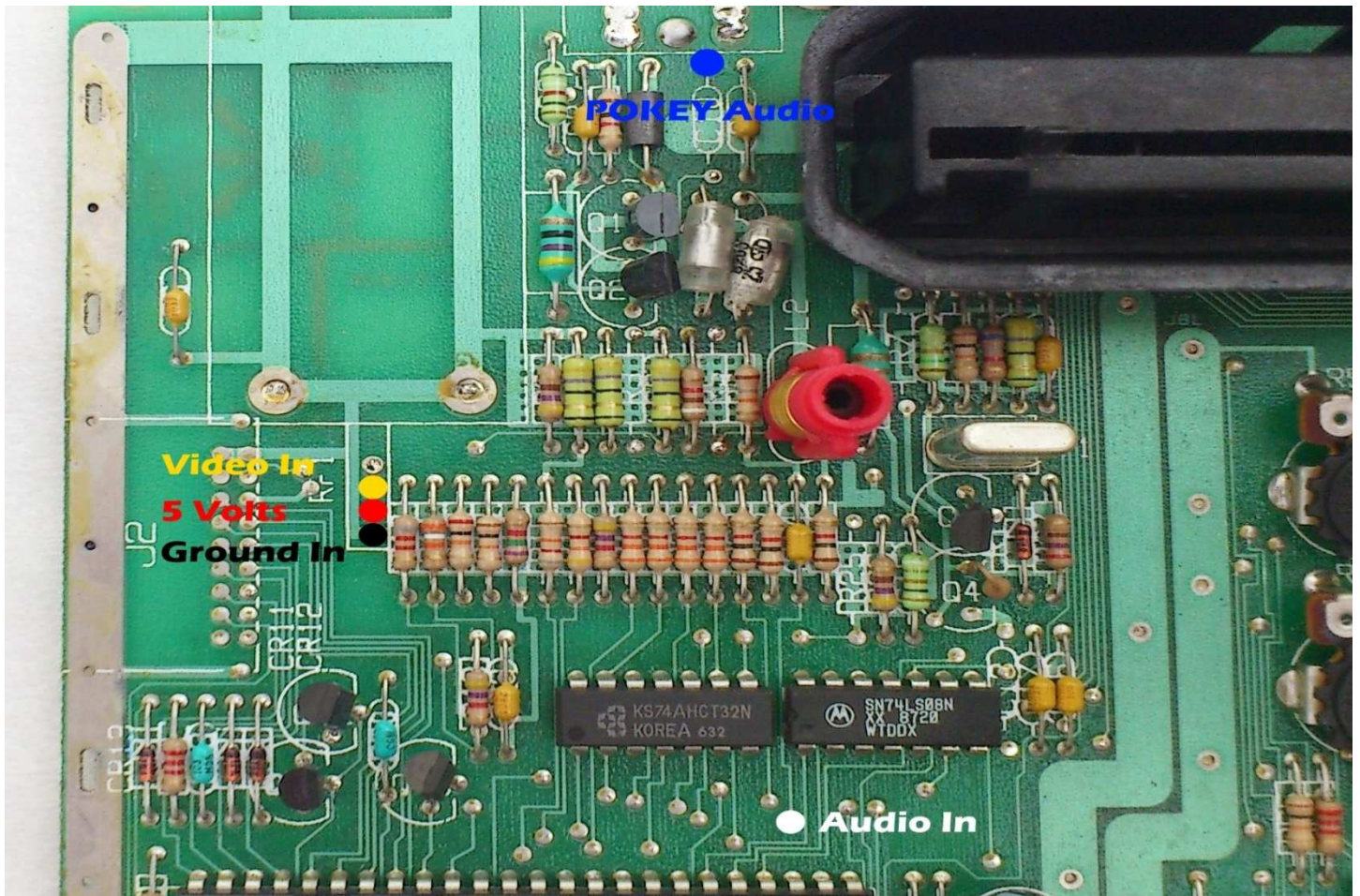
**Remove the components from the motherboard as shown below. For the RF box; I personally choose to remove it entirely. It's up to you; go with the way you prefer:**





#### Step 4:

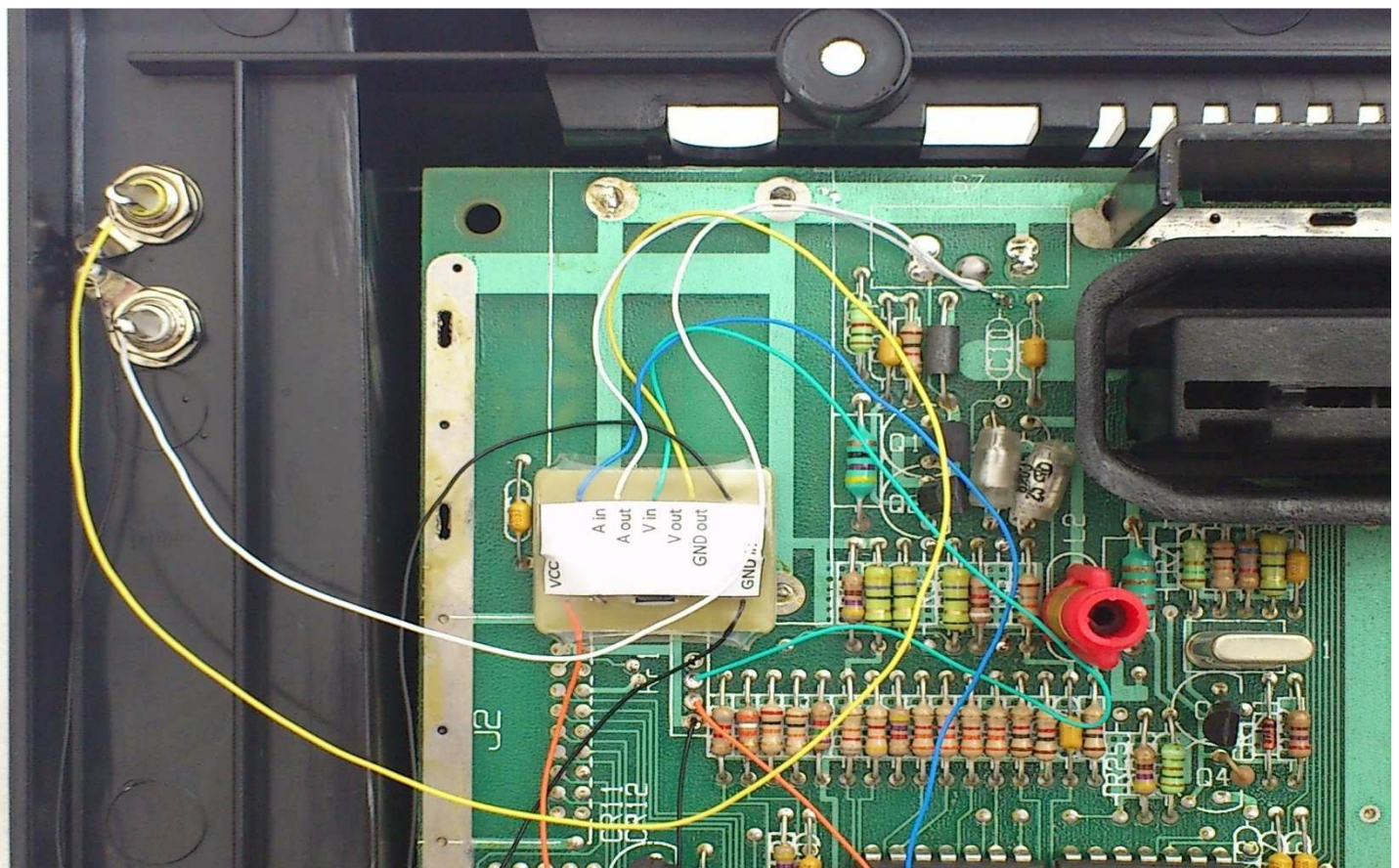
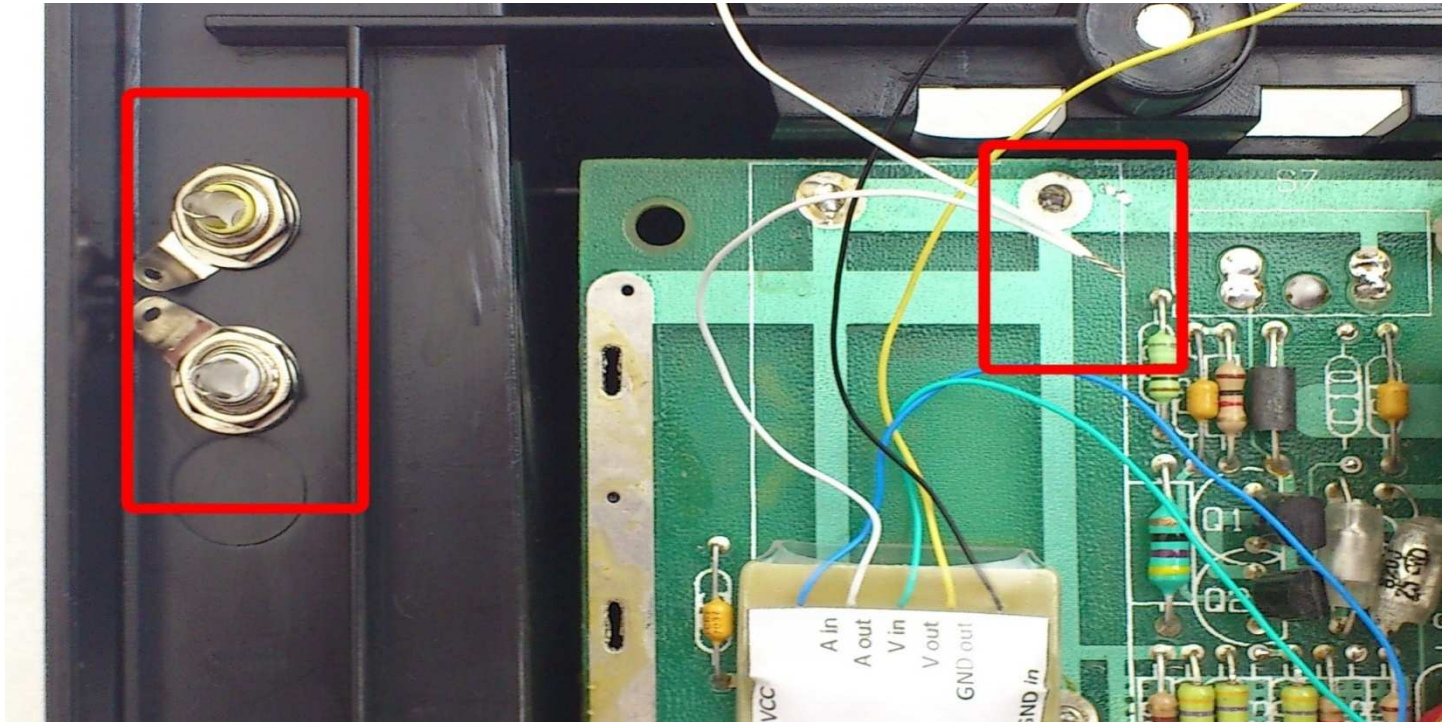
Now, solder wires from your A/V board to the spots shown below. Do not see POKEY Audio spot at this step. The rest of the wires to be soldered on the spots are labelled the same as the spots. Just match them:





### Step 5:

Open two ¼" holes at the left part of your case as shown below. Mount the A/V jacks and tighten the nuts with your needle-nose pliers. Next, cut your Audio out wire at 1/3 length from the mod board and re-join it where you cut. This re-joined naked part will be soldered to the POKEY Audio spot on the motherboard. Finally, solder the **V out** wire to the center pin of yellow jack; **A out** wire's end to the center pin of the white jack (this jack may be supplied as red, also). Solder the **GND out** wire to the outer terminals of both jacks. **Carefully locate the wires so they are not smashed by shielding plate or any other plastic when case is closed!**





Finalizing. . .

Now, you're set. It's always a good idea to check the functionality before making the thing into one piece. Connect your Atari 7800 to your Tv via A/V cables and see the improvement over old snowy, wavy, and noisy RF connection. **Be extremely careful not to touch or short anything inside your console!** If your mod doesn't work, go back and double-check what you did so far. Also, cleaning the cartridge port and the edges of your game cartridges may help. Sometimes, cartridge ports may get filled with dust and also, game cartridge edges may catch grease or dirt. If your mod works, you should have a nice and clear picture with noise-free sound. Now, you can reassemble your Atari 7800.

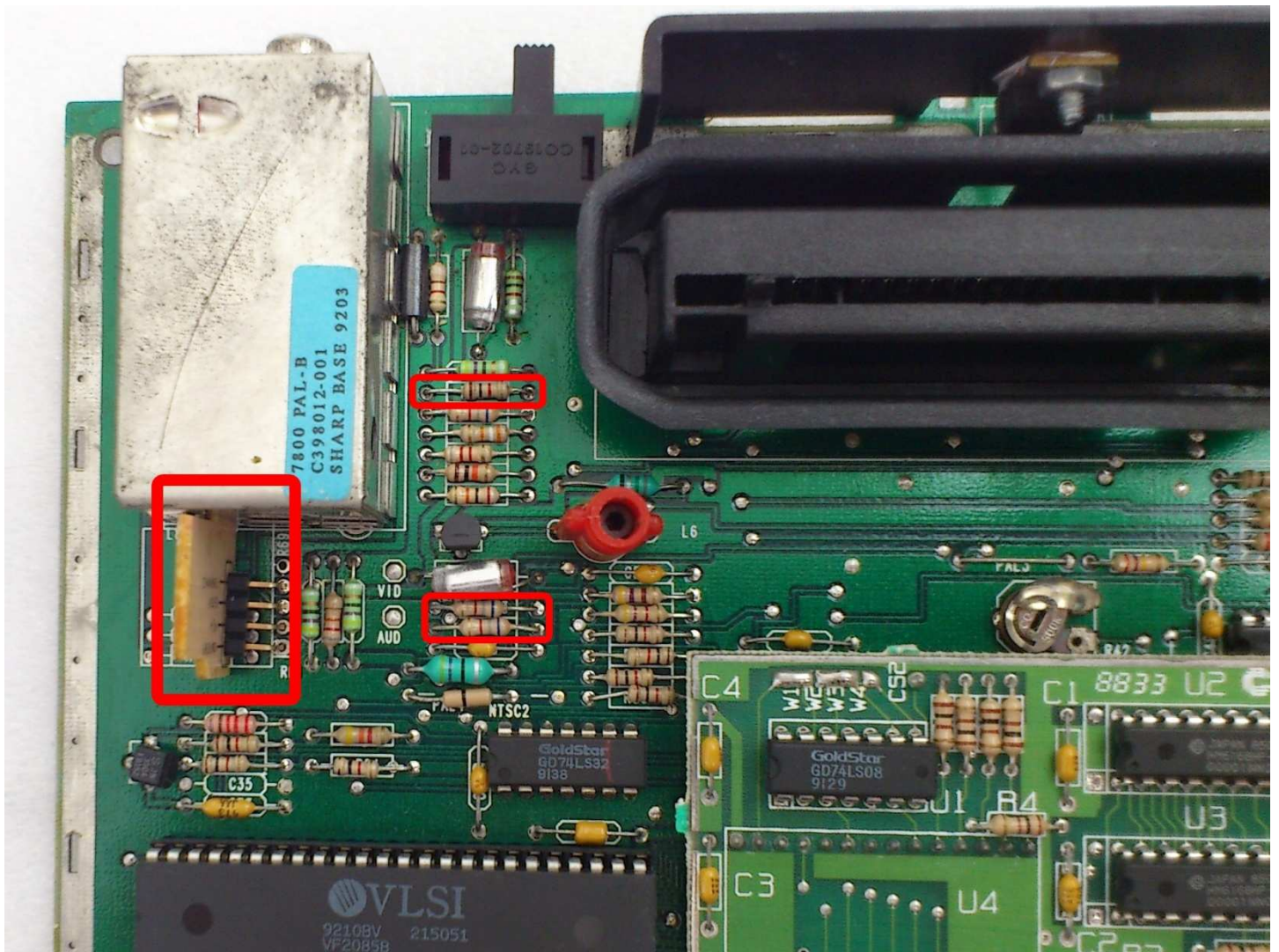


## PAL GUIDE

Steps 1 and 2 are the same with NTSC Guide.

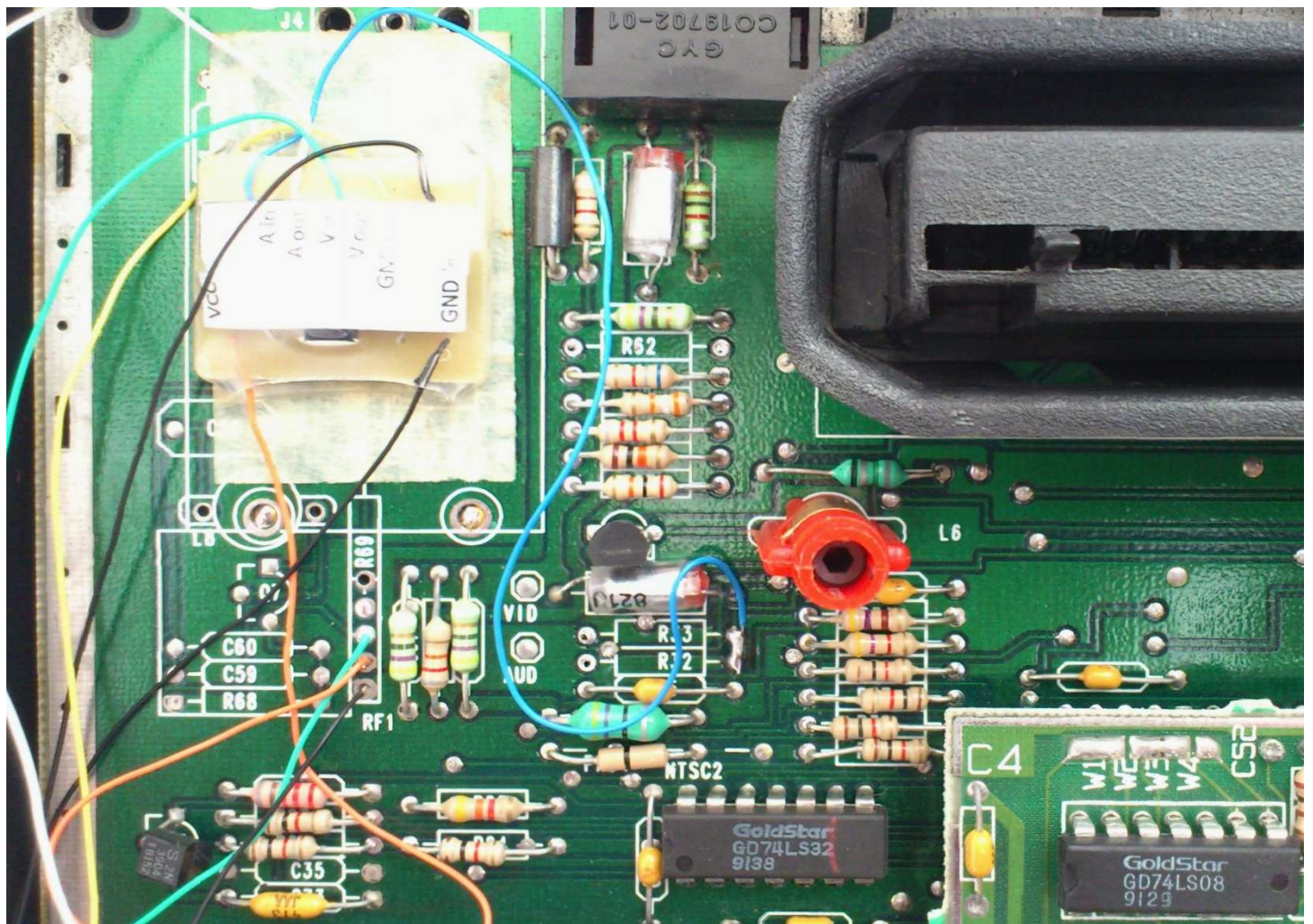
### Step 3:

Remove the components from the motherboard as shown below. For the RF box; I personally choose to remove it entirely. It's up to you; go with the way you prefer:





Now, solder wires from your A/V board to the spots shown below. The wires to be soldered on the spots are labelled the same as the spots. Just match them:





## Step 5

This is the same with NTSC guide except for the POKEY audio instructions. You do not need to anything further for POKEY audio on PAL Atari 7800 since we have done it by combining two spots in the picture above.

Finalizing part is also the same with NTSC Guide. Just follow it.

Have Good Gaming Sessions!

Please do not hesitate to contact if you have anything to share or a question to ask via [m\\_jonturkk@hotmail.com](mailto:m_jonturkk@hotmail.com)