

## GameGear-TV Blast I Installation Instructions



### **Kit contents:**

- 1x GameGear-TV Blast I chip with pre-soldered wires and RCA jack

### **What you need:**

- Philips screwdriver
- Soldering iron
- Drill/Cutting tool
- Glue (hot glue gun)

**Warning:** Mash-Mods does not take any responsibility in possible damages that may occur to your Sega GameGear during the GameGear-TV Blast I installation. Perform the installation at your own risk. If you do not feel comfortable doing so, we will gladly install the chip for you.

### **Step 1:**

First thing's first, the GameGear must come apart! Now this isn't too hard, simply use your Philips screwdriver and remove the screws circled in red below. The special screw that all cartridges and the system have (outlined in light blue) can be un-screwed with a pair of pliers. Use a firm hand with the pliers; it may take quite a bit of force to get it going.



### **Step 2:**

The back plate should come off easily. You will notice that you can't separate the back and front plates entirely yet. There are three sets of wires connected from the front to the back. Unplug these connectors to proceed with the installation.



### **Step 3:**

Now it's time for the hardest part, installation of the RCA jack. You can choose to install the jack anywhere in the system, there is enough wiring provided to let you place it pretty much anywhere. The easiest place to set it up is at the bottom of the back cover, as pictured below.



**Step 4:**

Using a drill the size of the cylindrical portion of the RCA jack (or slightly bigger), drill a hole in the case. Be very careful with the drill and ask for adult help if need be. Now that the hole is drilled, the RCA jack can be snugly fit into the system with the help of a hot glue gun.



**Step 5:**

With the RCA jack installed, the rest of the modification simply involves soldering the six wires. Solder the coloured wires to the points indicated on the next page.

## GameGear-TV Blast I Soldering Diagram

**WHITE WIRE – T2**

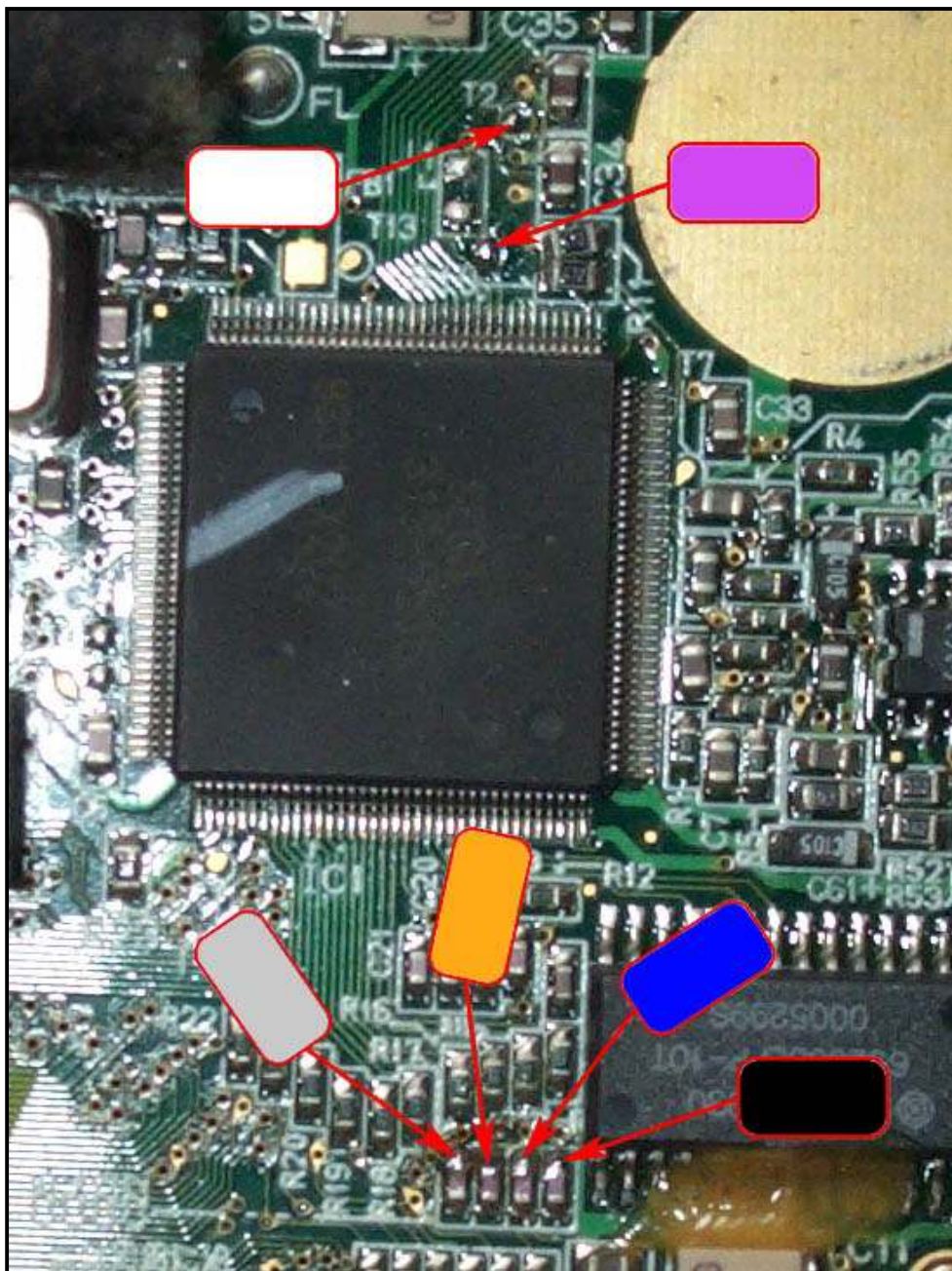
**GRAY WIRE – C25**

**BLUE WIRE – C23**

**PURPLE WIRE – GND**

**ORANGE WIRE – C24**

**BLACK WIRE – C22**



### Step 6:

After soldering all the wires, the system should look like the picture below, with the GameGear-TV Blast and its components fully installed. To close the system, fold the wires neatly towards the bottom of the GameGear and direct the GameGear-TV Blast chip right below the cartridge pins. There is plenty of room for the chip to fit, and its insulation will prevent any possible short circuits or damages inside the GameGear.



All done! Wasn't that easy? All you need now is an RCA cable to attach your GameGear to your TV's Composite Video Input (Yellow jack). The picture on the screen will appear in grayscale with accurate and detailed shades of black and white.



### **Troubleshooting:**

- 1) Problem: Image appears shifted on the screen. Solution: Check that the White wire is properly soldered on the GameGear.
- 2) Problem: Nothing appears on the screen. Solution: First make sure that the Purple wire is connected properly, and then check all other wires.

If problems persist, you may have received a malfunctioning chip. If that is the case, please contact Mash-Mods at [info@mash-mods.com](mailto:info@mash-mods.com) for support.

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