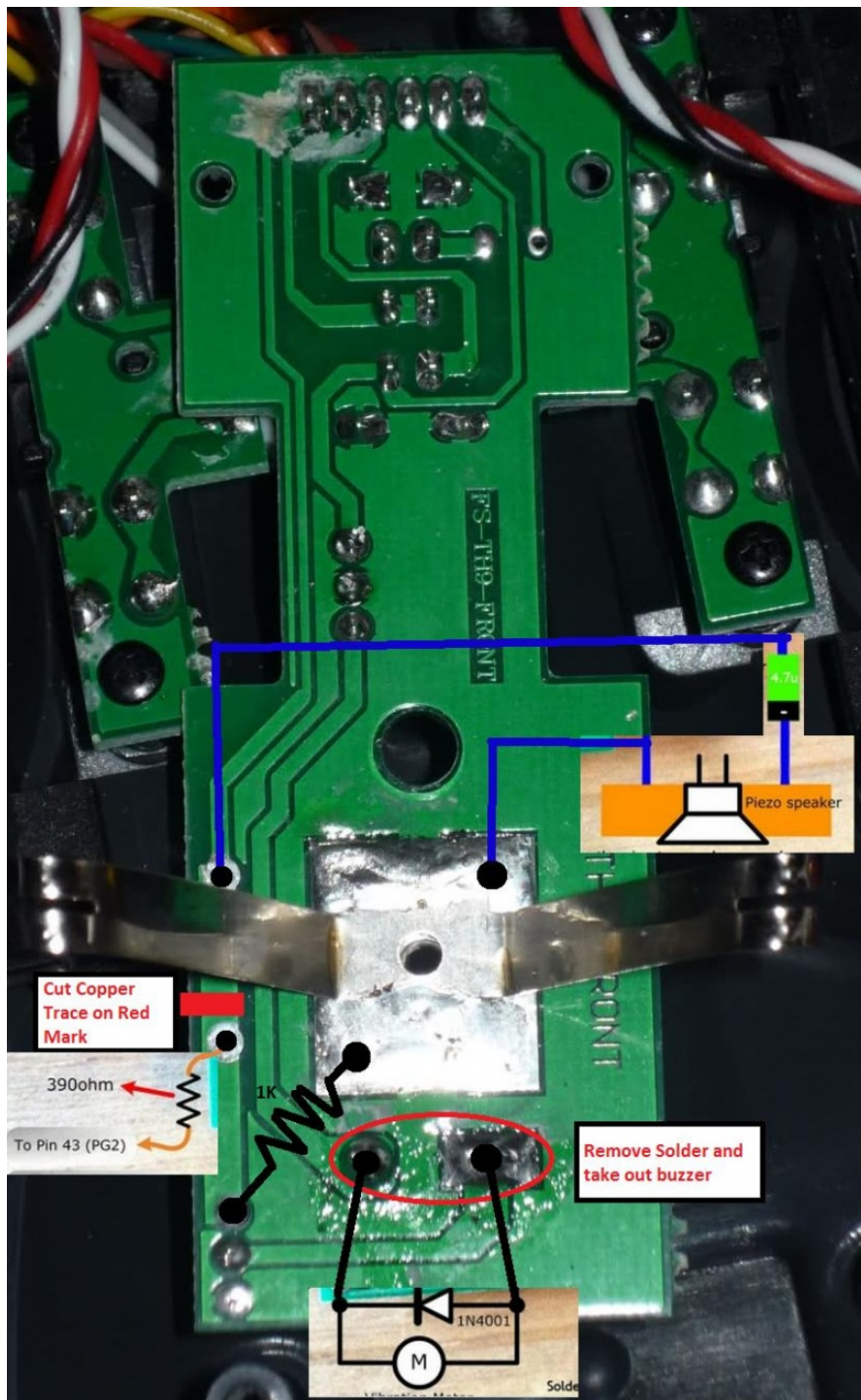


# How to add the Haptic Mod for T9x with MegaSound9x Mod

Preamble: This modification is based on the original Haptic/Speaker Mod



For our purposes, we are using all the same pieces except the Piezo Speaker and the 47uF Cap.

### The Bill of Materials are:

- 1) 390 Ohms Resistor (Digi-Key P/N 390QBK-ND)
- 2) Vibrator Motor (Digi-Key P/N P14793TR-ND)
- 3) 1N4001 Diode (Digi-Key P/N 1N4001-E3/54GICT-ND)
- 4) 1k Resistor (Digi-Key P/N 1.0KQTR-ND)

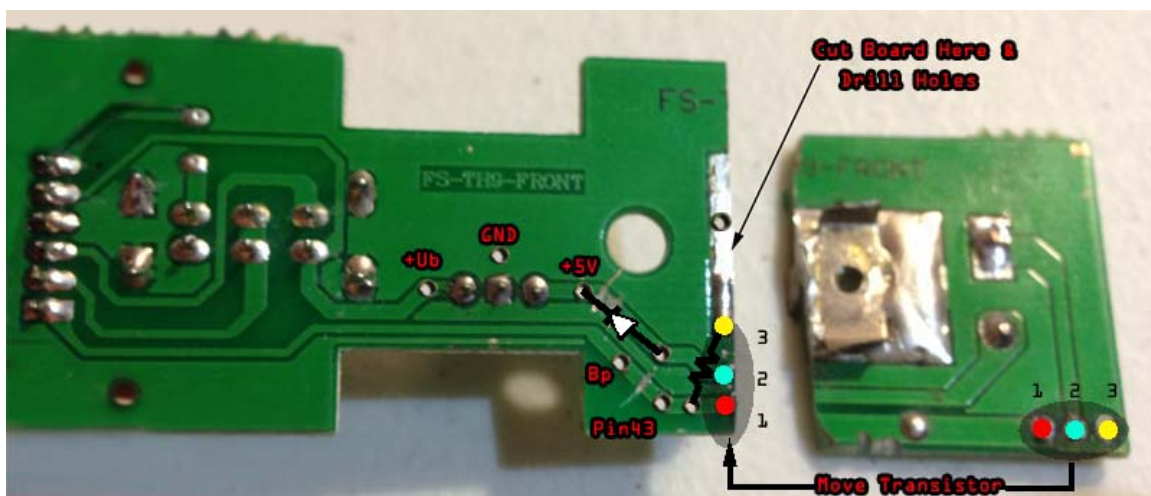
### Step 1:

Remove the Power Switch Board from the Front of the Radio and Cut the Board at the specified mark.

Drill holes where marked for :

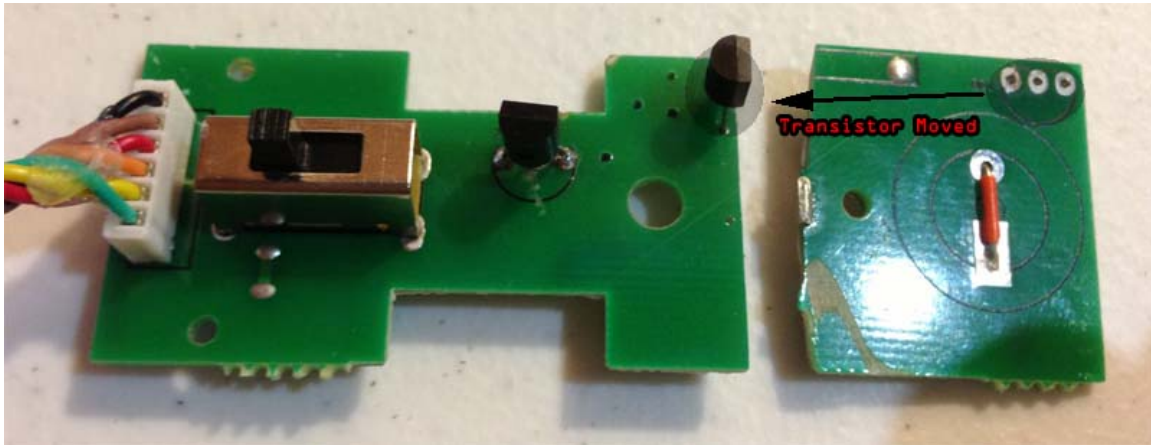
- 1) +Ub
- 2) GND x2
- 3) +5V (Diode Holes)
- 4) Bp
- 5) Pin43
- 6) Transistor ( to be moved from other half of cut board ) (3 Holes)
- 7) Resistor (2 holes)

Cut Traces where Specified in Diagram to break the +5V power from the Regulator and the Beeper Signal.



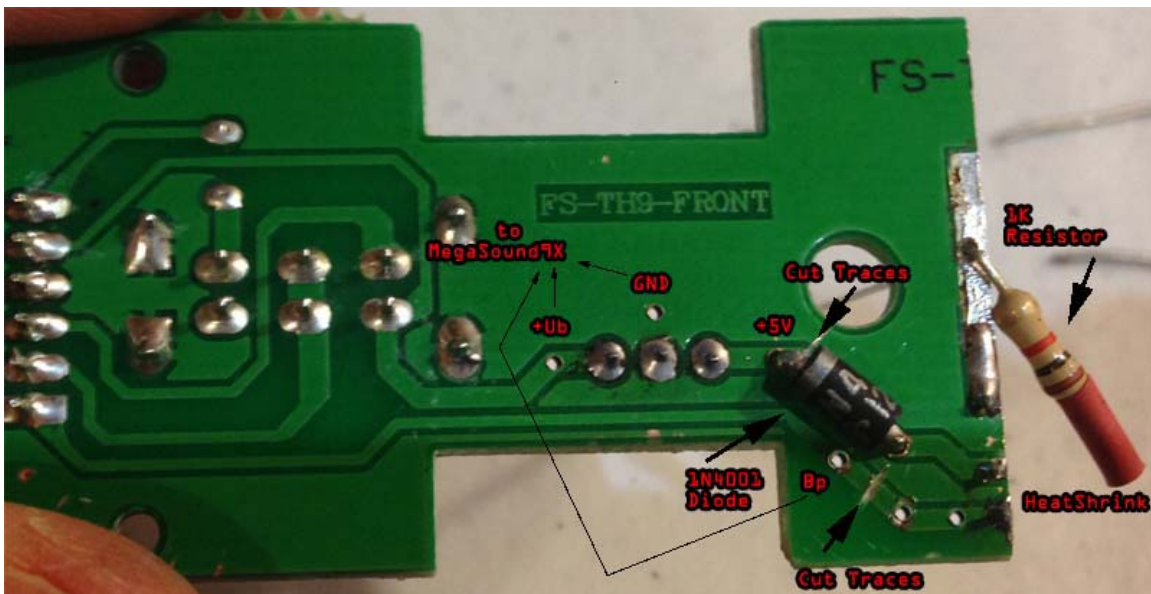
### Step 2:

Move the Transistor



### Step 3:

Connect the Diode making sure that the + side faces the +5V hole.  
Prepare the Resistor with Heat Shrink for safety of Short and connect it to the Ground Bar and Hole next to the Transistor.

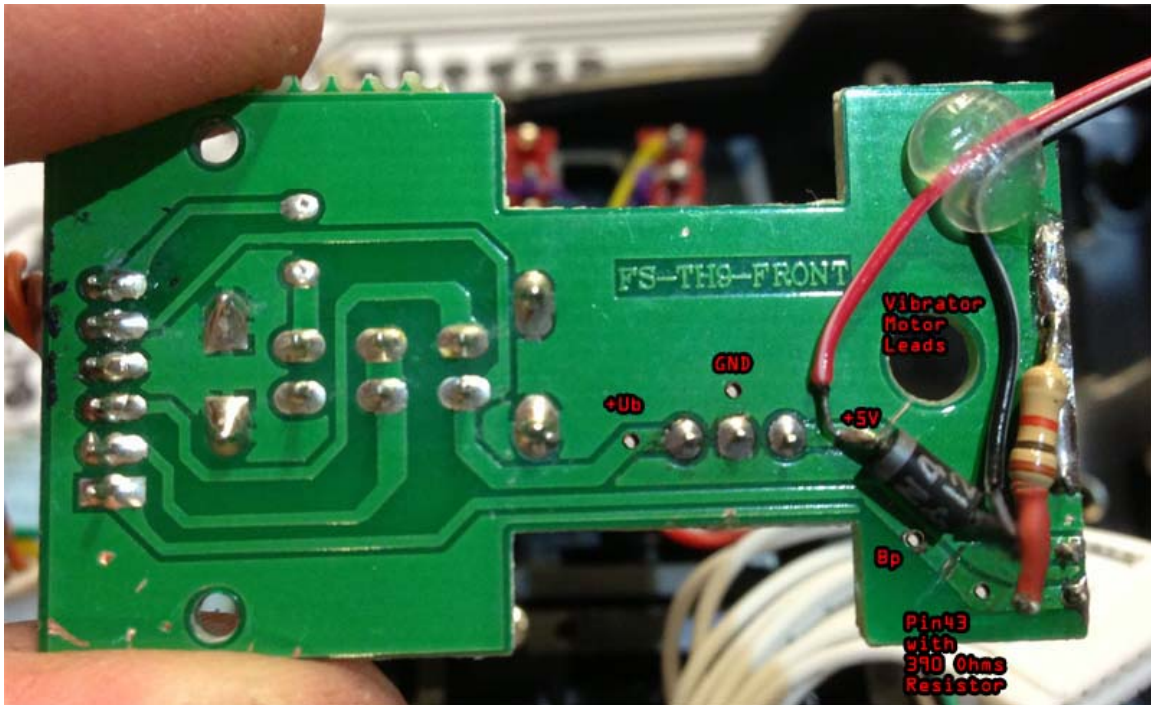




#### Step 4:

Complete the Resistor Connection

Connect the Vibrator Motor Cables as indicated in Diagram, feel free to use a little Hot Glue to fasten down the Lead Wires.



#### Final Step:

Connect Board to your MegaSound9x via the +Ub, GND, Bp and Connect the Pin43 Wire to the M64 making sure to add the 390 Ohms Resistor between the connections.

Place the Board back into the Radio and all should be working from there.

Enjoy!