Adrian-Nicolae Florescu

I am the author of this document yo3hjv

The following article is Inspired by the work of LA8OKA MARTIN

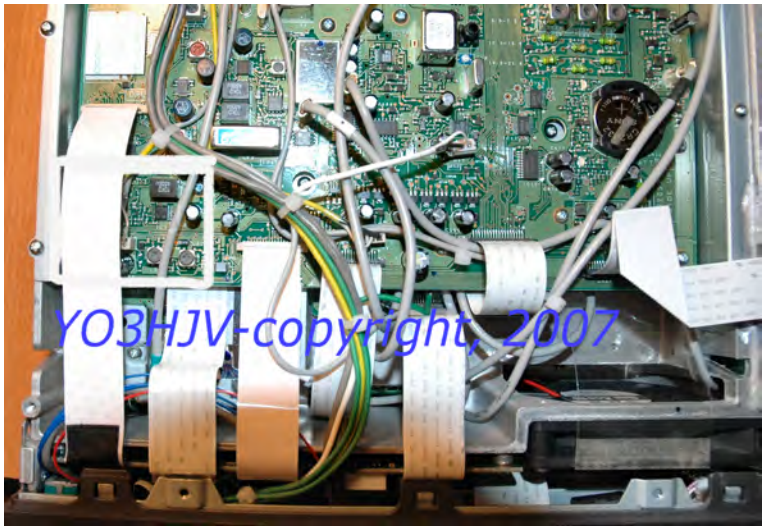
Original reference on:
http://www.arcticpeak.com/radiopages/kenwood_ts-2000_12_khz_if_output.htm

WARNING!
Do not try this if you don't have experience on soldering small parts.
Use only a soldering iron of max 30W.

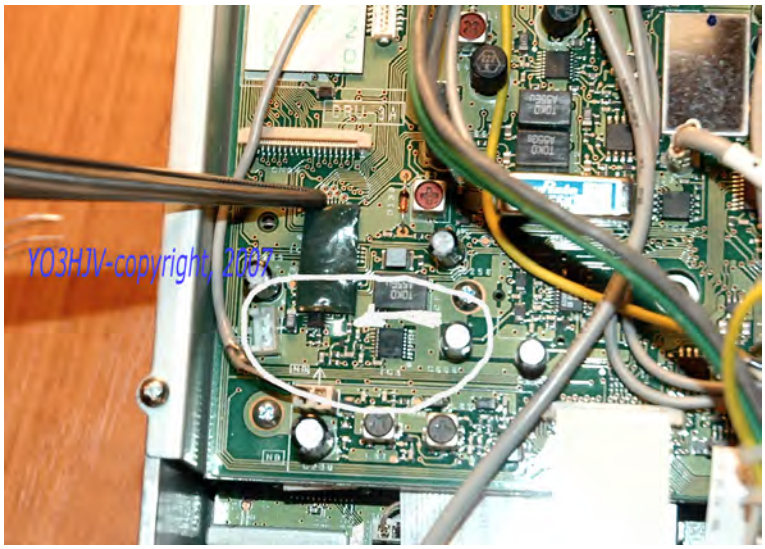
Be prepared with:
-Soldering iron 30W;
-Hot glue;
-Double sided adhesive tape;
-0.1microF capacitor;
-Cable ties;
-1 m of shielded audio cable;
- Philipps Screw-driver
-Tweezer.

1. LOCALIZATION OF WORKING SECTOR

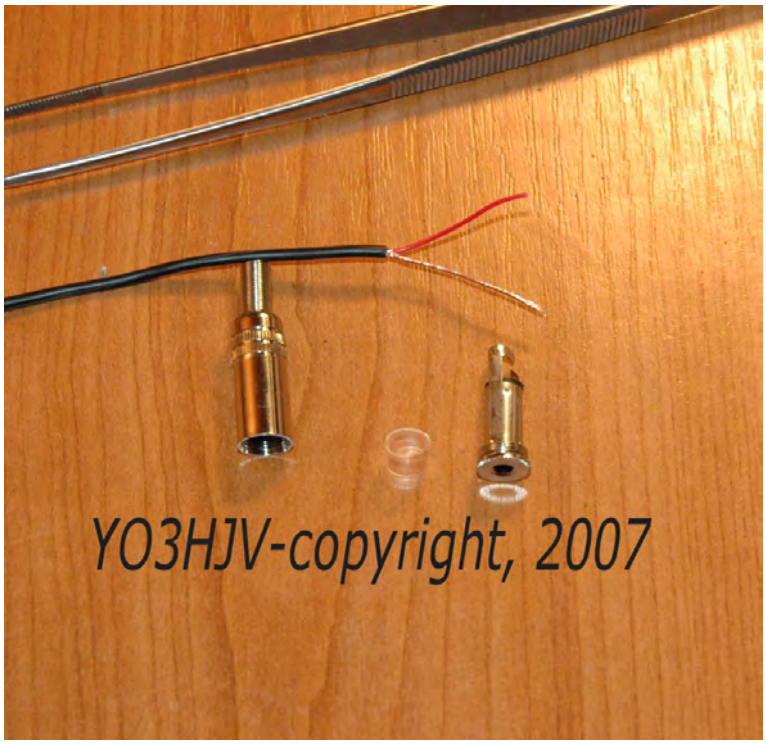
Carefully remove the panels of the radio.
Place the radio with the upside down and the front to you.



2. PLACE A DOUBLE ADHESIVE TAPE.
Leave the pprotection foil on the tape.

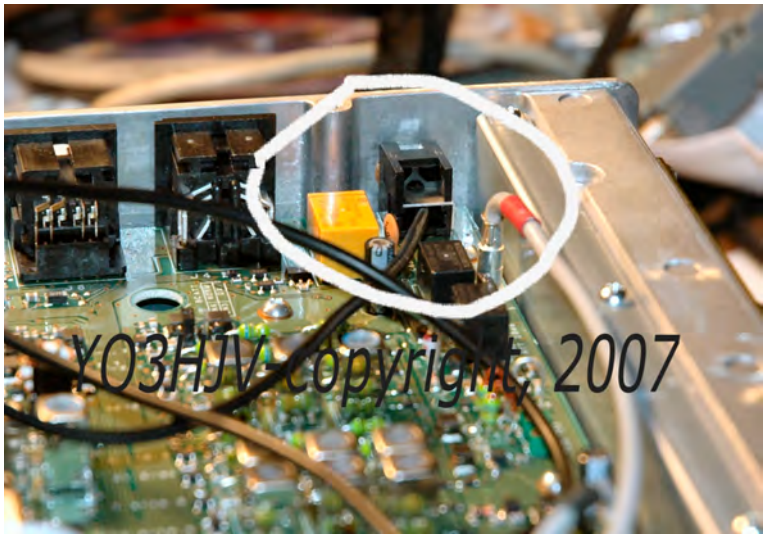


2. PREPARE THE PIGTAIL CABLE.
I decided to use a small stereo 3.5 mm female headphone connector.



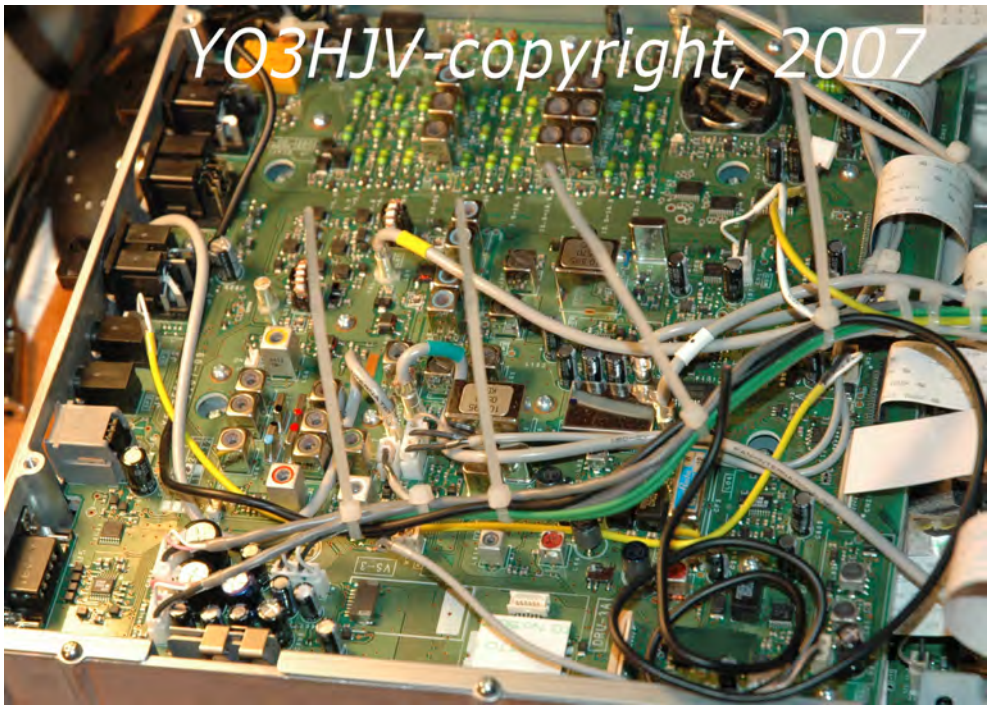
3. USE THE RCA CONNECTOR TO ROUTE OUTSIDE THE PIGTAIL CABLE

It's hard to find a opening to route the cable outside from the radio. I use the inner hole of the receiving HF antenna RCA.

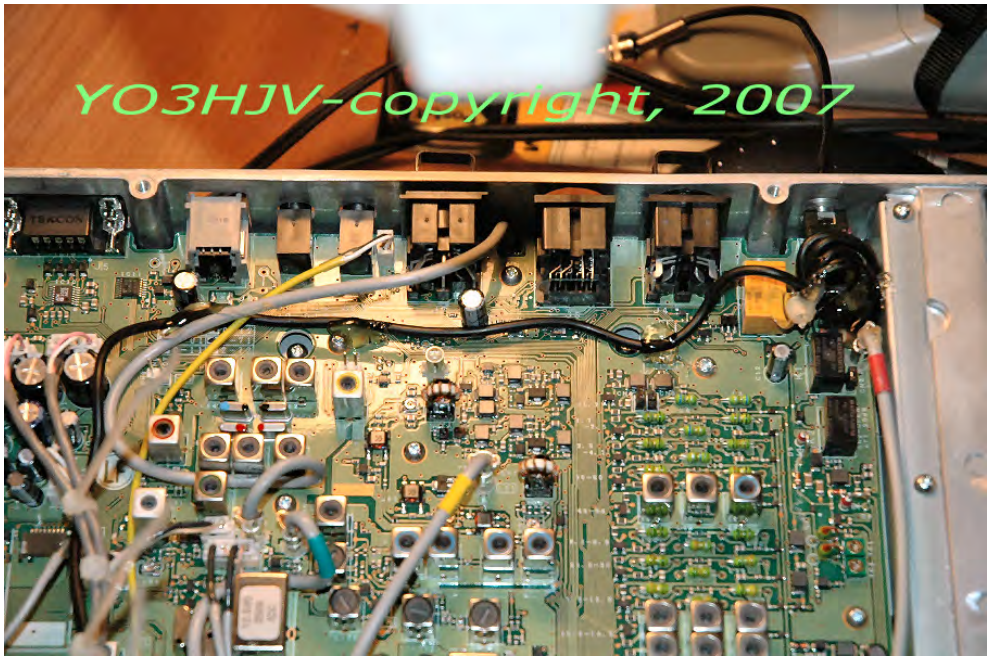


4. SOME RE-ROUTING WORK WITH THE CABLES INSIDE THE RADIO.

I do some re-routing work on the cables because it looks to me that the cables put some mechanical stress on the radio components.
I used a few cable ties for this work
It is not necessary.



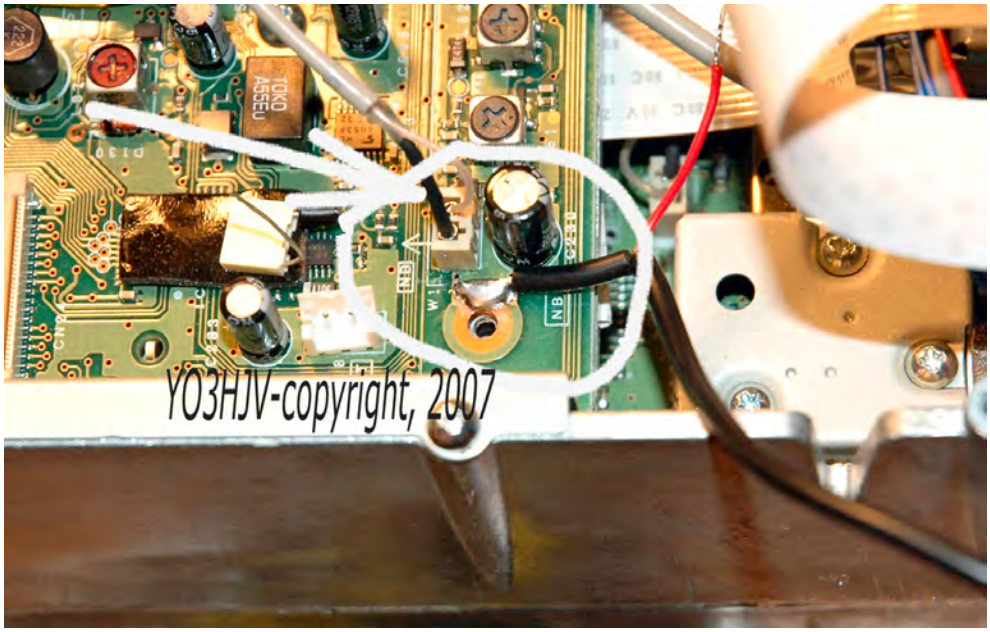
5. MECHANICAL FIXING THE CABLE WITH SOME HOT GLUE.
I fix the cable with hot glue.



6. PLACE THE CAPACITOR (0.1 microF) AS SHOWN, ON THE DOUBLE ADHESIVE TAPE.

But first, you have to do some preparations as shown.

8. REMOVE THE SCREW, SOLDER THE GROUND OF THE PIGTAIL CABLE. CAREFUL NOT TO MELT THE CAPACITOR AND THE BOARD CONNECTOR.

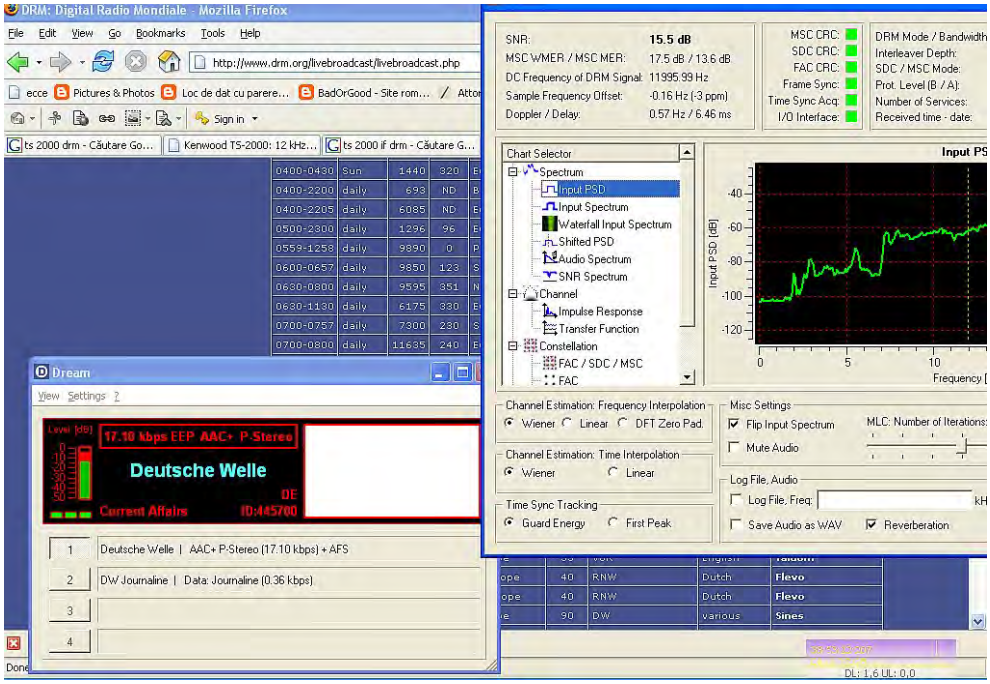


After this, put the screw back where it belongs.

9. SOLDER THE PIGTAIL CENTER CABLE ON THE CAPACITOR.

10. SOME MECHANICAL FIXING OF THE PIGTAIL CABLE WITH HOT GLUE.

11. RECEIVE WHATEVER YOU WANT!



I use DREAM to receive the DRM Broadcast.
Use a shielded cable to the computer input. The level is sufficient to use LINE-IN of the sound board.

As Martin, LA8OKA said in his web page,

Before you do this, please make sure you understands the consequences this modification or failure of this modification can lead to:

- **The warranty of your TS-2000 will be void!**
- **You may damage your TS-2000 beyond repair!**
- **I will not accept any responsibilities or liabilities of what you or any other persons choose to do with your or anyone else's TS-2000 transceivers.**
- **If you have never done anything similar to this before: FORGET ABOUT IT!**
- **Working with electronics without paying close attention to safety may kill or seriously harm you or someone else!**
- **Make sure you know what you are doing!**