

Conversion TR-751E to TR-751A

The CTCSS function is not provided in the E version of the TR-751E, and a small modification must be made to obtain the A version.

To enable the use of the CTCSS tone, the A version must be set via the diode group D1 to D8 or D9 to D16 arranged in two rows. Universal diodes, e.g. 1N4148, can be used as a replacement for the 1SS133.

	TR-751	TR-851
D1	No	Yes
D2	Yes	Yes
D3	Yes	No
D4	Yes	No
D5	Yes	Yes
D6	No	No
D7	Yes	Yes
D8	Yes	Yes
D9	No	Yes
D10	No	No
D11	Yes	Yes
D12	Yes	No
D13	Yes	No
D14	No	No
D15	No	No
D16	Yes	No

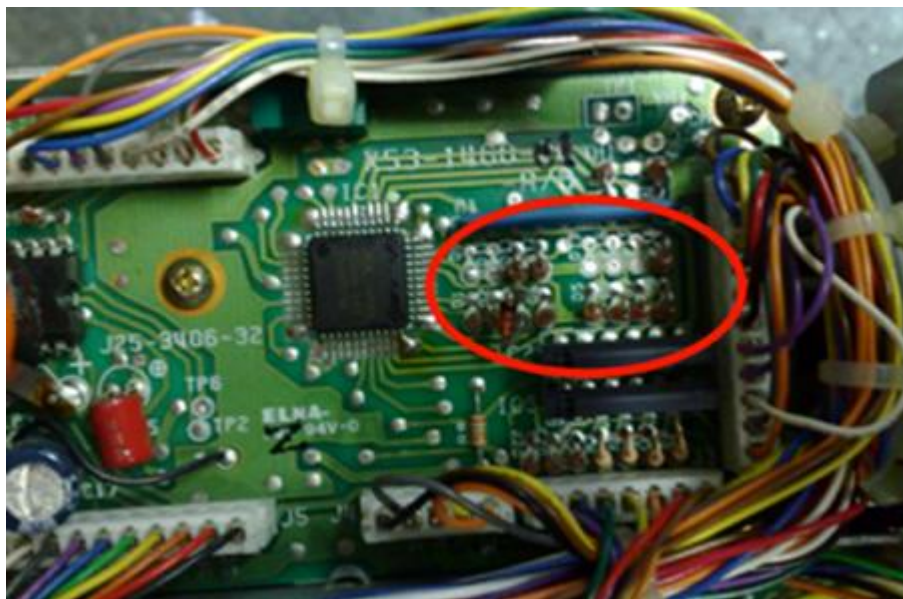


Abbildung 1

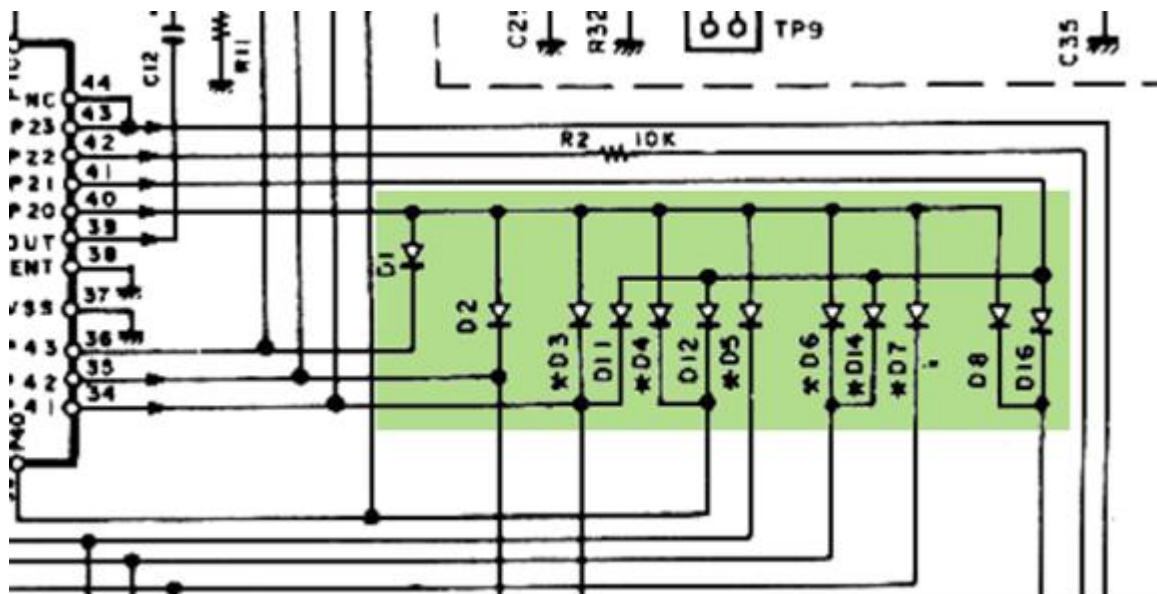


Abbildung 2

Also check that the C45, R24 and R23 are installed, as these are often missing on the E version (as well as the connector).

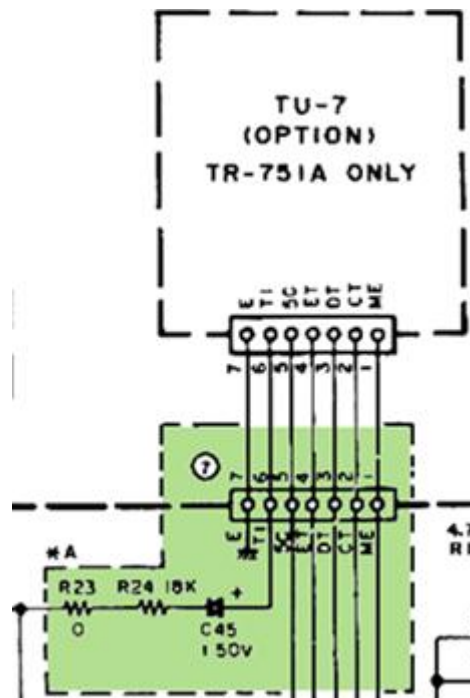


Abbildung 3

After this setting, the "Voice" button will have a dual function and the "Tone" button will no longer emit the 1750 Hz tone, but will activate the CALL memory.

The first time you do this, you must perform a reset by turning on the unit while holding down the "M" button.

- To activate the CTCSS tone, press the "FUNC" button and then the "VOICE" button. The display shows a T.
- To deactivate the CTCSS tone, proceed as follows: Press the "FUNC" button and then the "VOICE" button.
- To set the tone frequency, press the "FUNC" button and then the "VOICE" button. Hold it down for longer than one second.

The CTCSS tone frequency appears on the display and can be selected using the tuning knob. Set it to the desired value and press the "FUNC" button to confirm.

Good luck and if you get stuck with the CTCSS installation, feel free to write again.

Yes, you are spoiled for choice. The A version does not have a 1750Hz burst tone, and the E version does not have a CTCSS function.

If you need a 1750Hz burst tone, the only option is to use an external tone generator.

This tone generator must be connected to the microphone jack.

40 years ago, we had 1750Hz whistles that opened the relay via the microphone.

If you have a 3D printer, this link is for you <https://www.ccoors.de/blog/1750-pipe/>

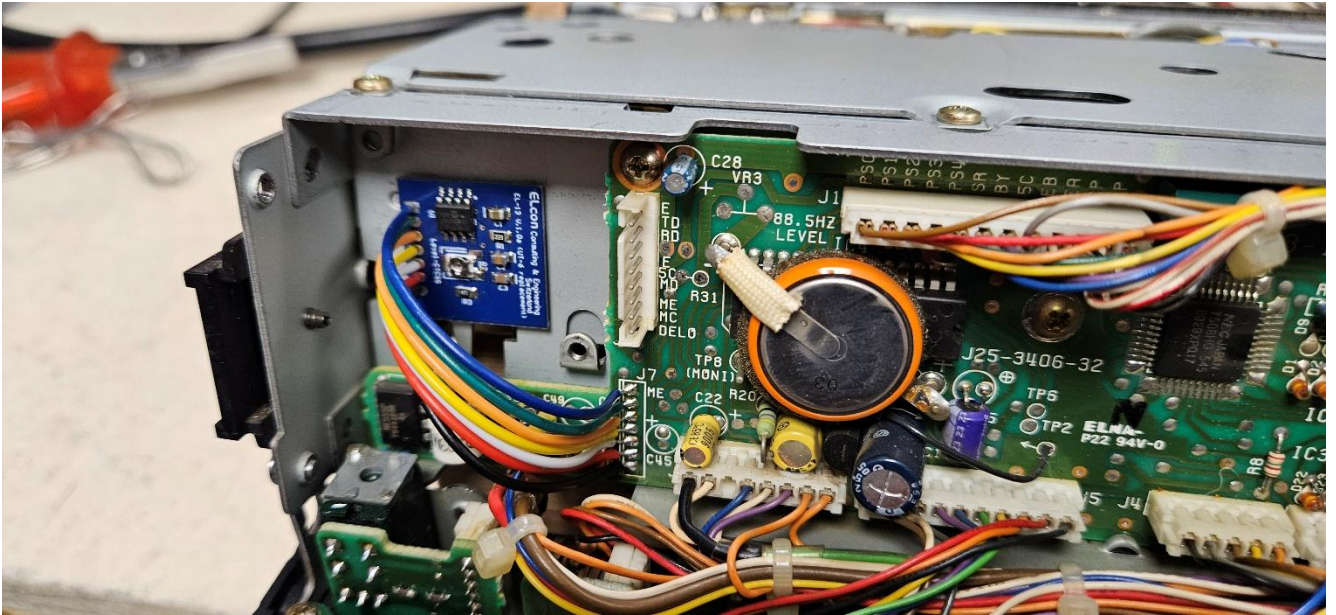


Abbildung 4