

SERVICE BULLETIN AMATEUR RADIO

SUBJECT TH-25AT/45AT AUTOMATIC POWER OFF FUNCTION	DATE 8/02/88
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Some users of the TH-25AT/45AT have expressed a desire to defeat the automatic power off function. The following modification will explain how to do this. It should be noted that this modification does not effect the battery saver function.

REQUIRED PART:

DIODE KENWOOD PART # 1SS133

1. Disconnect the battery pack and antenna.
2. Remove the Volume, Squelch, and Tuning control knobs by pulling them straight up from the top panel.
3. Using a 7mm spanner wrench, remove the nut from the Volume control and the nut from the Tuning control.
4. Remove one screw located by the PTT switch (FIGURE 1).
5. Remove one screw located by the Speaker jack (FIGURE 2).
6. Remove two screws from the battery terminal plate (FIGURE 3).
7. Carefully pull the front panel up from the transceiver (do not break the wires connected between the front panel and the body of the transceiver). Lay the front panel to the side of the transceiver (keep track of the F.LOCK cover if it comes off).
8. Remove the PTT cover.
9. Remove one screw from the PTT switch unit (FIGURE 4).
10. Gently lift the top panel from the transceiver by pulling it forward and then up (the O ring on the BNC connector will produce some tension).
11. Carefully unfold the flex PCB to expose IC2 (FIGURE 5).
12. Using a 45 watt (or less) soldering iron that has an isolated or grounded tip, add a diode between pins 23 and 58 of IC2 (FIGURE 6).

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13. Carefully assemble the transceiver by reversing steps 1 - 11. Pull the BNC connector O ring up a little before installing the top panel.
14. Reset the microprocessor by following the procedure in the instruction manual (page 16) called CLEARING ALL MEMORY.

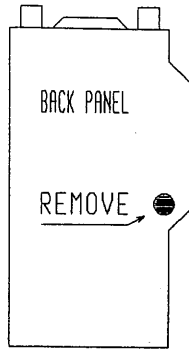


FIGURE 1

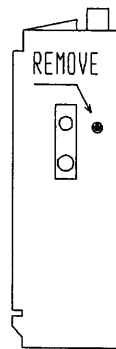


FIGURE 2

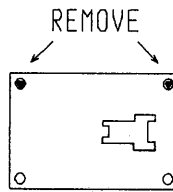


FIGURE 3

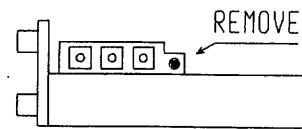


FIGURE 4

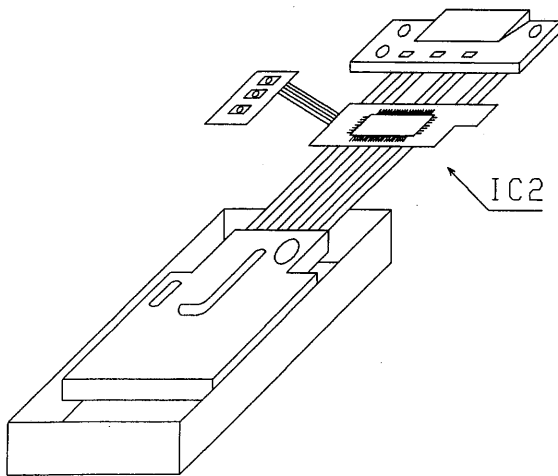


FIGURE 5

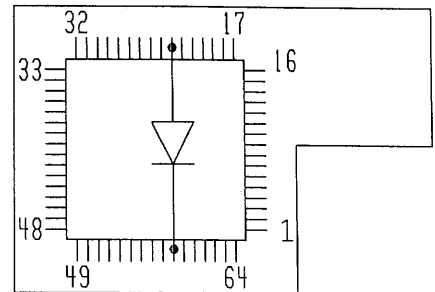


FIGURE 6

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This is an optional change that is not covered under warranty.
 Time required for this modification is 1 hour or less. (C) 72988TKC