

KENWOOD

ASI-0106

Amateur Radio Division

Subject: TH-K20AK MARS / CAP Modification

Date: January 04, 2012

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It is illegal to operate outside the limits of your class license or permits.

Procedure:

1. Turn off the transceiver and remove the battery pack.
2. Remove the antenna, channel selector knob, and volume knob.
3. Remove the Side Jack Accessory Cover.
4. Remove the two screws from the bottom of the radio on the back side.
5. Carefully lift the front panel up from the chassis, starting at the bottom of the radio. Be careful not to damage the speaker wires as you're opening the radio.
6. Locate and carefully remove Diode D411 Reference D from the TX/RX unit - (see Fig 1).
7. Assemble the transceiver.
8. Reset the radio.

Press and Hold the F Key While Turning the Radio On
Release the F Key
Use the Channel Knob to Select Full Reset (FL.RST)
Press F then Press F Key Again to Confirm Reset

Transmitter Operating Range: 142 ~ 151.995MHz

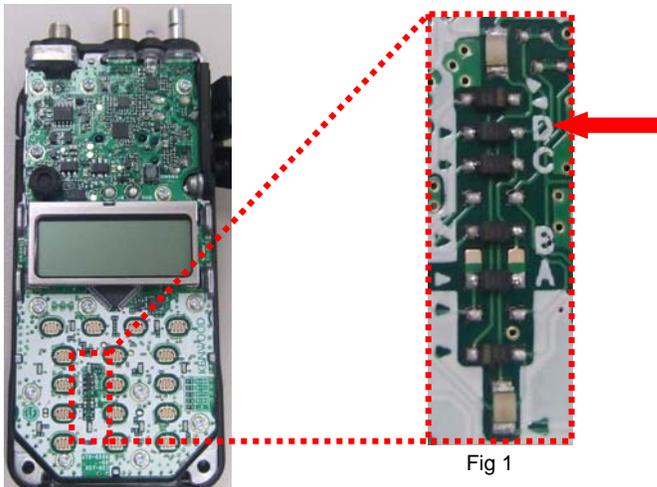


Fig 1

Caution: This modification requires soldering equipment rated for CMOS type circuits. It also requires familiarity with surface mount soldering techniques. If you do not have the proper equipment or knowledge, do not attempt this modification yourself. Seek qualified assistance.