

# KENWOOD

ASI-0104

## Supplementary Info.

Amateur Radio Division

**Subject:** TM-281A MARS/CAP Modification

**Date:** September 7, 2011

This modification is provided "as is," and is subject to change without notice. Kenwood USA Corporation makes no warranty of any kind with regard to this modification procedure, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Kenwood USA Corporation shall not be liable for any error or for incidental or consequential damage in connection with the furnishing, performance, or use of this modification procedure.

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

### Procedure:

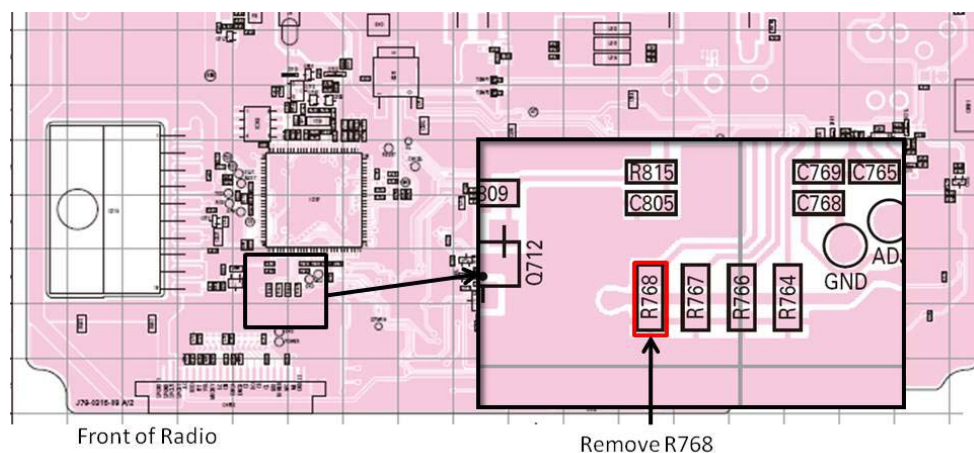
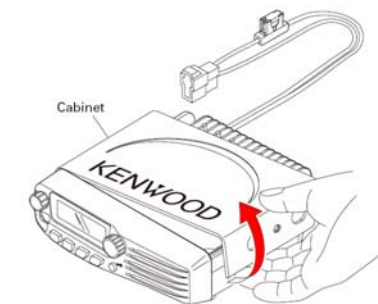
1. Turn off the transceiver and disconnect the antenna and DC supply.
2. Remove the screw on each side of the top panel.
3. Remove the top cover as shown below.
4. Locate and **carefully** remove Chip Resistor R768 on the TX/RX Board.

Note 1 – Be careful not to damage the ribbon cable from the Display Board to TX/RX Board. You may need to move the ribbon cable out of the way to remove the chip resistor. This can be easily done by taping the ribbon cable to the front panel of the radio.

Note 2 – It is recommended that you use 2 soldering irons to remove this resistor to avoid damage to the PCB foils.

5. Assemble the transceiver then connect antenna and power supply.
6. Turn On the transceiver. The transceiver will automatically reset.

**Transmitter Operating Range:** 136 ~ 174MHz



**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.