



MAINTENANCE MANUAL

TMX-8712 REPLACEMENT HANDSET MODIFICATION

Due to the unavailability of the original handset (19B801596P1) for the TMX-8712 Mobile Radio Unit, a replacement handset is now available. The EPROM in the radio unit must be replaced when the replacement handset is used. The replacement kit (SPK9401) consists of the following items:

Handset	344A3783P2
Coiled Cord	19D901619P7
EPROM	350A1296G7
EPROM	350A1297G7
Manual	LBI-38698
Mod Instructions	LBI-39119

INSTALLATION

The TMX-8712 radio unit may contain one of two types of audio/logic boards. If the radio uses the 19D901690G5 or G6 board, use the 350A1296G7 EPROM with the new handset.

If the radio uses the 19D901690G11 board, use the 350A1297G7 EPROM with the new handset.

Refer to Maintenance Manual LBI-38194 and associated manuals when performing the following procedures.

1. Remove top cover (the bottom cover must be removed first).
2. Remove the Audio Board A3 to gain access to the Logic Board A1. Refer to LBI-38199.
3. Carefully remove EPROM U703 from the board and carefully install the new EPROM U703.

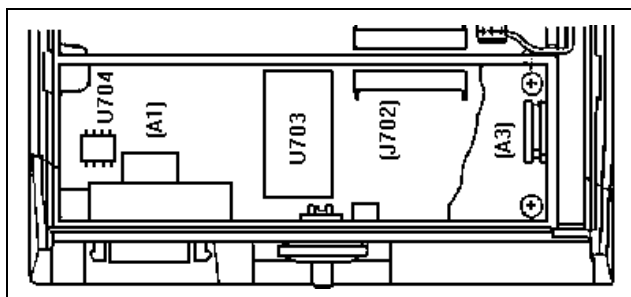


Figure 1 - Logic Board A1 Location of U703

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4. Replace the Audio Board A3 and the top and bottom covers.
5. Connect the coil cord to the handset and then connect to the connector on the radio unit.

OPERATION

After the installation of the new Group 7 software and the handset and associated coiled cord, the following differences should be observed.

1. **POWER** button is not functional on the new handset.
2. There are separate **FCN** and **END** button features:
 - a. The **FCN** button will be used for 2nd function button mode (i.e., change ramp direction, turn HORN on, etc.).
 - b. The **END** button will only be used to hang-up calls.
3. The **BACKLIGHT** and **VOLUME** are separate buttons:
 - a. Volume is changed by the two buttons on the top left side of the handset.
 - b. The backlight is toggled on and off by pressing **FCN** and **2 (BACKLIGHT)** buttons.
4. Other functions are:
 - a. Horn ON/OFF - Press **FCN** and **1 (HORN)**.
 - b. Overdial ON/OFF - Press **FCN** and **3 (OVERDIAL)**.
 - c. External Speaker ON/OFF - Press **FCN** and **4 (EXT SPK)**.
 - d. Duplex ON/OFF - Press **FCN** and **5 (SIMPLEX)**.
5. The serial command for putting the radio into programming mode is the same as the serial command for a PTT press on the new handset. To avoid confusing the radio, pressing the **A** button at power up will put the radio into a mode where it will only look for the PC programmer command.

