

KENWOOD

ASI-0002

Supplementary Info.

Amateur Radio Division

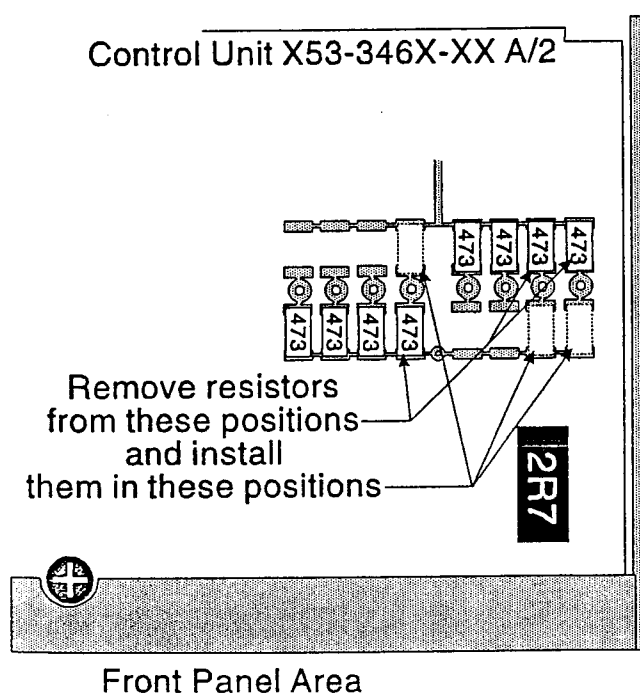
Subject: TM-742/942 Beyond Mars/CAP Mod. Guide

Date: March 3, 1993

This modification is provided "as is," and is subject to change without notice. Kenwood U.S.A. 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 U.S.A. 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.

Procedure:

1. Detach the front panel from the main chassis.
2. Remove the bottom cover of the transceiver by removing the 4 screws on the bottom of the cover and loosening the 4 screws on the sides of the unit.
3. Orient the radio so the bottom is up and the front panel area is near your chest. Near the front panel area you will find a large board, this is the Control Unit.
4. Remove the chip resistors noted in the diagram below, and reinstall them as shown.



5. Reinstall the bottom cover of the transceiver, and reattach the front panel.
6. Reset the microprocessor. Press and hold the MR key while the power is switched on. Then release the MR key. This will erase all operator programmed data!
7. The frequency range after modification will be:

| | | |
|---------------|--------|-------------------------|
| 28 MHz Band: | RX: | 18.0 thru 54.0 MHz |
| | TX: | 26.0 thru 45.0 MHz |
| 50 MHz Band: | RX: | 40.0 thru 90.0 MHz |
| | TX: | 46.0 thru 76.0 MHz |
| 144 MHz Band: | TX: | 136.0 thru 174.0 MHz. |
| 220 MHz Band: | RX: | 215.0 thru 260.0 MHz. |
| | TX: | 215.0 thru 235.0 MHz. |
| 440 MHz Band: | TX: | 410.0 thru 470.0 MHz. |
| 1.2 GHz Band: | RX/TX: | 1100.0 thru 1400.0 MHz. |

Please note that these are theoretical ranges only. Not all radio's will be capable of tuning the entire range.

KENWOOD

ASI-0001

Supplementary Info.

Amateur Radio Division

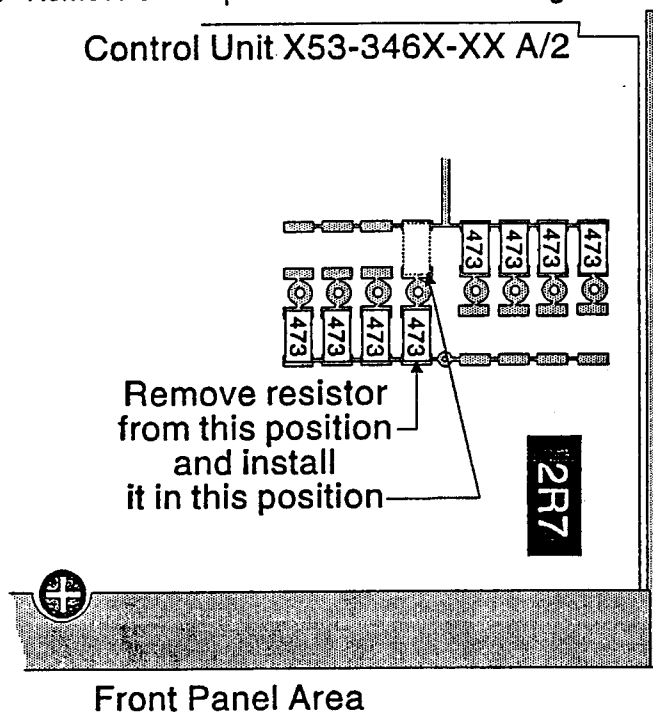
Subject: TM-742/942 Mars/CAP Modification Guide

Date: February 23, 1993

This modification is provided "as is," and is subject to change without notice. Kenwood U.S.A. 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 U.S.A. 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.

Procedure:

1. Detach the front panel from the main chassis.
2. Remove the bottom cover of the transceiver by removing the 4 screws on the bottom of the cover and loosening the 4 screws on the sides of the unit.
3. Orient the radio so the bottom is up and the front panel area is near your chest. Near the front panel area you will find a large board, this is the Control Unit.
4. Remove the chip resistor noted in the diagram below, and reinstall it as shown.



5. Reinstall the bottom cover of the transceiver, and reattach the front panel.
6. Reset the microprocessor. Press and hold the MR key while the power is switched on. Then release the MR key. This will erase all operator programmed data!
7. The frequency range after modification will be:

144 MHz Band

RX: Unchanged 118 MHz thru 174 MHz.

TX: 142.000 MHz thru 152.000 MHz.

All other band modules will remain unchanged with this modification.