MARS Mod for FT-450

Important Notice
This information is solely for use by licensed
members of MARS (Military Affiliate Radio System)
or CAP (Civil Air Patrol), and release to any
other party is not authorized. Use of any Amateur
Radio product outside of the Amateur band is at
the users own risk, and no guarantee of compliance
with specifications outside the Amateur bands is
expressed or implied. The Limited Warranty does
not cover damage caused by any attempt to modify
an apparatus for out-of-Amateur-band operation,
nor does the Limited Warranty cover damage to
components that may result from
out-of-Amateur-band use.

New TX Freq range: 1.8-30 MHz.
Modification Procedure: Units lot 07 and above the
jumper JP4002 must be removed.
Disconnect the power form the radio. Remove the
front panel & the large RF shield to access the
CONTROL PCB. Locate the solder jumper JP4002 as
shown in the attached photos. Use professional
de-solder tools and technique to remove the solder
and open the contacts. Reassemble the radio and
power cord.

1. Press and hold [ATT/IPO], [NB], and [AGC] keys,
    while turning the radio on. "SMADJO" will be
    displayed on the LCD as the memory address at
    the lower right side of the display.

2. Rotate the [DSP/SEL] knob CCW to show "TYPE" at
    the memory address on the display.

3. Briefly, press the [F] key, and confirm the "F"
    icon lights. While the "F" icon is displayed,
    press the [NB] key. "t" will be displayed at the
    right end of the frequency display.

4. Press and hold the [F] key for 3 seconds. A long
    beep will sound, the screen will clear and then
    the frequency will be displayed on the LCD. The
    procedure is complete.

    To return the radio to normal Ham Band mode, do
    procedure (1) and (2) as above, and then follow
    steps (3) and (4) below.

3. Briefly, press the [F] key, and confirm the "F"
    icon lights. While the "F" icon is displayed,
    turn the VFO knob to select "A" as displayed at
    the right end of the frequency display.

4. Press and hold the [F] key for 3 seconds. A long
    beep will sound, the screen will clear and then
    the frequency will be displayed on the LCD.

    Verify the radio will transmit in the Amateur
    bands only. The procedure is complete.