

ATTACHMENT II To TD-17 Checklist

This document is on the care and feeding of your SINCGARS (AN/VRC-89C) radio.

After the loading the ITT Unclassified Frequency Hopping (FH) variables into the SINCGARS radio you can do the following:

- 1) With both RTs loaded with the same variables, place the FCTN switch in the SQ ON position, the mode switch into the Single Channel (SC) position, the CHAN switch in manual (MAN) position and the COMSEC switch into the Plain Text (PT) position.
- 2) With an H250 or H189 handset connected to the AUD/DATA connector perform a radio check in both directions. When you press the PTT switch, on the handset, the RT's display should change from displaying the frequency (eg 30000) to displaying PT for plain text operation. If the voice radio checks are OK then go onto the next step.
- 3) Now place the CHAN switch into position #1, mode switch into the Frequency Hopping (FH) position. The RT's display should read F200 on both RTs. If you change the CHAN switch to position 2 thru 6 the RT's display should change as follows: F201, F202, F203, F204, F205 respectively. With both radios on the same channel number do a radio check in both directions. Each time you key the radio the F number should change to the PT when the radio is keyed.
- 4) Repeat the above instructions with the COMSEC switch in the Cypher Test (CT) position. In the CT position the display does not change, it will just display the channel number, in this case F200 thru F205. You should hear the crypto beep in the handset ear piece each time you key the radio.