MOTOROLA

MT 2000™, MTS 2000™, MTX 838™, MTX8000™, and MTX 9000™ (MTSX)

Radio Service Software (RSS)
User's Guide Supplement
Software Part No.: RVN-4097
Supplement to RSS User's Guide 68-81074C50-K

GENERAL

This supplement outlines changes that have occurred since the printing of Radio Service Software User's Guide 68-81074C50-K. Implementation of this information in earlier manuals is not necessary.

DETAILS

Received Signal Strength Indication (RSSI) information is being added to the RSS.

On page 4-16, in the <u>RECEIVER ALIGNMENT MENU</u>, the description for F9 should read: RSSI Alignment

On page 4-17, the following information is added:
F9 - Received Signal Strength Indication (RSSI) This alignment procedure tunes the Received Signal Strength Indication.

A new page (**4.2.2.8 RSSI ALIGNMENT**) is being added to the manual. A copy of the new page is on the back side of this supplement.

68P81090C17-O

4.2.2.8 RECEIVED SIGNAL STRENGTH INDICATION (RSSI) ALIGNMENT

RSS LOCATION: **At the SERVICE MENU, press** [F3] [F9]

MOTOROLA Radio Service Software	Use UP/DOWN Arrows To Adjust Softpot.
MTSX Model:	
...RECEIVER ALIGNMENT MENU: RSSI ALGN	

RSSI ALIGNMENT

Frequency   DEFAULT RSSI.........101
   469.700   RSSI.............................. 0

Current Value   New Softpot Value
   95   95   RSSI (-100 dBm)

0   127
Min   Max

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
HELP			READ				PROGRAM		EXIT
			RSSI				VALUE		
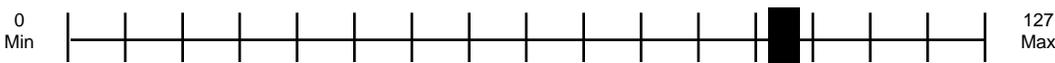
Refer to your Radio Service Manual for the RSSI Alignment procedure. This alignment procedure tunes the Received Signal Strength Indication (that is, strength of the RSSI value for the current signal) for RSSI rated audio power across the radio. It should be performed at -100dbm injection.

This procedure should be attempted only by qualified service personnel. Failure to perform alignment procedures properly may result in seriously degraded radio or system performance.

PROGRAMMING PROCEDURE:

1. Press **F4** to read the RSSI value. Repeat this step three times to obtain an accurate reading.
2. Use up/down arrow keys to set the "New Softpot Value" field equal to the "RSSI" value read in step 1.
3. Program the radio with the new RSSI value by pressing **F8**.

FUNCTION KEY DESCRIPTIONS:

F4 - READ RSSI reads the Received Signal Strength Indication (that is, the strength of the RSSI value for the current signal).

F8 - **PROGRAM VALUE** programs the selected value into the radio.

FIELD DEFINITION:

RSSI (Received Signal Strength Indication)
Refers to the strength of the RSSI value for the current signal. In the RSSI sampling scheme, RSSI values are separated into four levels: poor, acceptable, good and excellent. The value in this field specifies the poor/acceptable boundary and may range between 0 and 127.
The default is 0 (zero).
New Softpot Value
This is the softpot value for this frequency. The status bar shows the relationship between this setting and the minimum and maximum settings.