



MOTOROLA INC.

Communications
Sector

RPX-4665A MODIFICATION KIT

1. INSTALLATION INSTRUCTIONS

The RPX-4665A update kit is used to modify the RTX-4005A test set to accommodate testing of the HT600 series portable radio.

Check off each step as it is completed.

- 1. Remove 4 corner screws from RTX-4005A from case.
- 2. Remove three wires (red/black, white/green, green/white) from the toggle switch marked "MT/MX", and carefully bend them out of the way.
- 3. Remove the "MT/MX" toggle switch from the panel.
- 4. Remove the first nut from the toggle switch marked "Spkr Load". Turn the second nut all the way down to the body of the toggle switch.
- 5. Remove the hex nut from the enclosed rotary switch and insert the rotary switch/PC board assembly into the hole marked "MT/MX". When holding the test set so the printing is readable most of the PC board should be to the left of the rotary switch.
- 6. Carefully strip about 1/8" insulation from the three wires cut in "step 2".
- 7. Solder the white/green wire to the hole marked "A" on the PC board.
- 8. Solder the green/white wire to the hole marked "B" on the PC board.
- 9. Solder the red/black wire to the hole marked "C" on the PC board.
- 10. Place the enclosed panel plate over the rotary switch and toggle switch and replace both nuts on the proper switches.
- 11. Place the small black knob on the new rotary switch and tighten one set screw, then rotate the switch fully counter-clockwise. Loosen the set screw and

rotate it so the white pointer is aligned with the "C" line. Tighten both set screws.

- 12. Note position of pointer on silver knob on the rotary switch "Meter Select". Remove silver knob and replace with the large black knob with the pointer in the same place.
- 13. Replace the RTX-4005A back into its case.

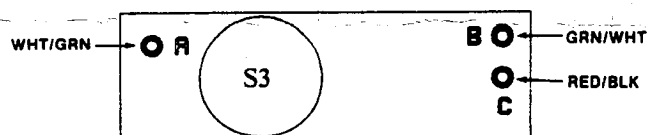
2. OPERATING INSTRUCTIONS

When ever using the RTX-4005A test set with the RPX-4665A installed and the manual refers to MT/MX toggle switch settings, simply place the rotary switch in either the "MT" or the "MX" positions as called for. In these positions the RTX-4005A Test Set will perform as usual. The test and adjustment procedures included in the manual for the HT600 portable radios will list new switch settings required.

3. PARTS LIST

	01-80354A57	Switch Assembly
	02-00115021	Lock Washer
	02-00140458	Hex Nut 1/4 x 28
RB	06-10621A71	53.6 ohm 1/4w 1%
RC	06-11009A17	47 ohm 1/4w 5%
RA	06-00124B67	8.2 ohm 1/4w 5%
	36-80337A83	Knob Small
	36-80337A85	Knob Large
S3	40-80369B22	Switch Rotary
	68-80309B91	Instruction Manual
	64-80367B53	Panel Switch

PCB as shown from solderside



MOTOROLA

Test Equipment Products

Communications & Electronics Parts

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RTX-4005A WITH RPX-4665A INSTALLED

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