

TMC SPECIFICATION

NO. S 935

REV: 0

COMPILED:

HS

CHECKED:

APPD:

SHEET COVER OF

TITLE:

Typed 3/12/65 by ss.

TEST PROCEDURE
FOR RTPE-1
PROGRAMMER SWITCH S1003
(SW 395)

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SHEET 1

OF 6

TITLE: TEST PROCEDURE FOR RTPE - PROGRAMMER SWITCH S1003 (SW 395)

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A. EQUIPMENT REQUIRED -

1. Test Set
2. VOM Simpson Model 260 or equivalent.

B. PRELIMINARY -

1. This test procedure is designed to test the accuracy of the wiring, and operation of switches and indicator lights.
2. Prior to using the test set, inspect the switch assembly for mechanical imperfections such as cold solder joints, bent switch terminals and contact springs.
3. Test for shorts with the ohmmeter.
4. Connect the test set to the programmer switch, matching color coded wires of the test set to the color coded wires on the programmer switch. The test set wires are terminated with alligator clips to facilitate this step.
5. Ensure that all the push buttons are in the released position, then connect the test set to the a-c line.
6. Turn on the test set power and observe that the test set POWER ON indicator ~~is lit~~ and the indicating fuse holders do not light.

C. PROGRAMMER SWITCH TESTS -

Test 1: Depress the OUT button in AUDIO FILTER.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 5 is lit.

NOTE: The TUNE button is also lit when the lamps in the functions row are lit.

Test 2: Depress the 1/.1 button in the AUDIO FILTER.

Observe that all the lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 2 is lit.

Test 3: Depress the 6/.25 button in the AUDIO FILTER.

Observe that all the lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 3 is lit.

Test 4: Depress the 15/.5 button in the AUDIO FILTER.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamp No. 4 is lit.

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Test 5: Depress the 3.5U/1 button in the AUDIO FILTER row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2 and 5 are lit.

Test 6: Depress the 3.5L/2.5 button in the AUDIO FILTER row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2 and 3 are lit.

Test 7: Depress the 7.5U/5 button in the AUDIO FILTER row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 3 and 4 are lit.

Test 8: Depress the 7.5L/10 button in AUDIO FILTER row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 2, 4, and 5 are lit.

Test 9: Depress the second OUT button in the AUDIO FILTER row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 2, 3, and 5 are lit.

Test 10: Depress the "0" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamp No. 2 is lit.

Test 11: Depress the "1" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamp No. 3 is lit.

Test 12: Depress the "2" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamp No. 4 is lit.

Test 13: Depress the "3" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2 and 5 are lit.

Test 14: Depress the "4" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2 and 3 are lit.

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Test 15: Depress the "5" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 3 and 4 are lit.

Test 16: Depress the "6" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2, 4, and 5 are lit.

Test 17: Depress the "7" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2, 3, and 5 are lit.

Test 18: Depress the "8" button in the ANTENNA/KC's row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2, 3, and 4 are lit.

Test 19: Depress the "9" button in the ANTENNA/KC's row.

Observe that all lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 3, 4, and 5 are lit.

Test 20: Depress the "10" button in the ANTENNA/KC's row.

Observe that all lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 4 and 5 are lit.

Test 21: Depress the AM button in the DET row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 2 is lit.

Test 22: Depress the CW button in the DET row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamp No 3 is lit.

Test 23: Depress the SSB button in the DET row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamp No 4 is lit.

Test 24: Depress the 17 MC 2 button in the Megacycle row.

Observe that all lamps in th FUNCTION row are lit.
Obs rve that T st S t indicator lamps No. 2 and 5 are lit.

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Test 25: Depress the 18 MC 3 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 2 is lit.

Test 26: Depress the 19 MC 4 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 3 is lit.

Test 27: Depress the 20 MC 5 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that the Test Set indicator Lamps N. 2 and 3 are lit.

Test 28: Depress the 21 MC 6 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2 and 4 are lit.

Test 29: Depress the 22 MC 7 Button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 2, 3, and 4 are lit.

Test 30: Depress the 23 MC 8 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that the Test Set indicator lamps No. 2, 3, and 5 are lit.

Test 31: Depress the 24 MC 9 button in the Megacycles row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 2, 3, 4, and 5 are lit.

Test 32: Depress the 25 MC 10 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 3 and 4 are lit.

Test 33: Depress the 26 MC 11 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 3, 4, and 5 are lit.

Test 34: Depress the 27 MC 12 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 2, 4 and 5 are lit.

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Test 35: Depress the 28 MC 13 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 4 and 5 are lit.

Test 36: Depress the 29 MC 14 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamps No. 3 and 5 are lit.

Test 37: Depress the 30 MC 15 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 5 is lit.

Test 38: Depress the 31 MC 16 button in the Megacycles row.

Observe that all the lamps in the FUNCTION row are lit.
Observe that Test Set indicator lamp No. 4 is lit.

Test 39: Depress the MC2-16 button in the FUNCTION row.

Observe that all lamps in the FUNCTION row are extinguish d,
and that all lamps in the MEGACYCLES row are lit.
Observe that the Test Set indicator lamps No. 1, 2, and 5 are lit.

Test 40: Depress the MC 17-31 button in the FUNCTION row.

Observe that all lamps in the Megacycles row are lit.
Observe that Test Set indicator lamps No. 1 and 5 are lit.

Test 41: Depress the 100 KC button in the FUNCTION row.

Observe that all lamps in the Megacycles row are extinguished,
and that lamp 0 to 9 in the ANTENNA/KC's row are lit.
Observe that Test Set indicator lamps No. 1, 4, and 5 are lit.

Test 42: Depress the 10 KC button in the FUNCTION row.

Observe that lamps 0 to 9 in the ANTENNA/KC's row are lit.
Observe that Test Set indicator lamps No. 1, and 4 are lit.

Test 43: Depress the 1 KC button in the FUNCTION row.

Observe that lamps 0 to 9 in the ANTENNA/KC's row are lit.
Observe that the Test Set indicator lamps No. 1, 3, 4, and 5 are lit.

Test 44: D pr ss the .1 KC button in the FUNCTION row.

Observe that lamps 0 to 9 in the ANTENNA/KC's row are lit.
Obs rve that Test Set indicator lamps No. 1, 3, and 5 are lit.

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Test 45: Depress the CH A IFBW button in the FUNCTION row.

Observe that lamps 1/.1 to 7.5L/10 are lit.

Observe that Test Set indicator lamps No. 1, 2, 3, 4, and 5 are lit.

Test 46: Depress the CH A DET button in the FUNCTION row.

Observe that lamps AM-CW-SSB in the second row are lit.

Observe that the Test Set indicator lamps No. 1, 2, 4, and 5 are lit.

Test 47: Depress the CH B IFBW button in the FUNCTION row.

Observe that lamps 1/.1 to 7.5L/10 are lit.

Observe that Test Set indicator lamps No. 1, 3, and 4 are lit.

Test 48: Depress the CH B DET button in the FUNCTION row.

Observe that the lamps AM-CW-SSB in the second row are lit.

Observe that Test Set indicator lamps No. 1, 2, 3, and 4 are lit.

Test 49: Depress the AUDIO FILTER LO button in the FUNCTION row.

Observe that the three lamps in the second row are extinguished, and that lamps OUT to 7.5L/10 in the AUDIO FILTER are lit.

Observe that Test Set indicator lamps No. 1, 2, 3, 4 are lit.

Test 50: Depress the AUDIO FILTER HI button in the FUNCTION row.

Observe that button No. 1 (OUT) in the AUDIO FILTER row is extinguished and button No. 9 (OUT) is lit, and all the lamps in between are lit.

Observe that Test Set indicator lamps No. 1 and 2 are lit.

Test 51: Depress the ANT button in the FUNCTION row.

Observe that all the lamps in the ANTENNA/KC's row are lit.

Observe that Test Set indicator lamps No. 1, 2, and 4 are lit.

Test 52: Depress the TUNE button.

Observe that all lamps in the ANTENNA/KC's row are extinguish d.

Observe that Test Set indicator lamp No. 1 is lit.

