

# TMC SPECIFICATION

NO. S 981

REV:

0 A

COMPILED:

SD

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CHECKED:

*SD*

APPD:

*FE*

*[Signature]*

SHEET

1

OF 10

TITLE:

*6/29/65*

Typ d by CL

TEST PROCEDURE FOR RTPD-1

PROGRAMMER SWITCH

S1003 (SW 396)

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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 AC 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.

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## C. PROGRAMMER SWITCH TESTS:

### TEST #1:

Depress the LO button in the IFBW/ AUDIO FILTER ROW.

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 IFBW/ AUDIO FILTER ROW.

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 IFBW/ AUDIO FILTER ROW.

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 IFBW/ AUDIO FILTER ROW.

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

### TEST #5:

Depress the 3.5U/1 button in the IFBW/ 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 th 3.5L/2.5 button in the IFBW/ AUDIO FILTER ROW.

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

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## TEST #7:

Depress the 7.5U/5 button in the IFBW/ AUDIO FILTER ROW.

Observe that 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 IFBW/ AUDIO FILTER ROW.

Observe that all the lamps in the FUNCTION row are lit.

Observe that Test Set indicator lamps NO. 2, 4, and 5 are lit.

## TEST #9:

Depress the HI button in the IFBW/ 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 KILOCYCLES 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 KILOCYCLES 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 KILOCYCLES 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 KILOCYCLES 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.

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## TEST #14:

Depress the "4" button in the KILOYCLES 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 #15:

Depress the "5" button in the KILOCYCLES 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 KILOCYCLES 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 KILOCYCLES 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 KILOCYCLES 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 KILOCYCLES 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 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.

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## TEST #21:

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 #22:

Depress the SSB button in the DET row.

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

## TEST #23:

Depress the 17 MC 2 button in the Megacycle row.

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

## TEST #24:

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 #25:

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 lamp No. 3 is lit.

## TEST #26:

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 No. 2 and 3 are lit.

## TEST #27:

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.

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## TEST #28:

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 #29:

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 #30:

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 #31:

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 #32:

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 #33:

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.

## TEST #34:

Depress the 28 MC 13 button in the Megacycles row.

Observe that all lamps in the FUNCTION row are lit.

Observe that Test S t indicator lamps No. 4 and 5 are lit.

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## TEST #35:

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 #36:

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 #37:

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 #38:

Depress the MC-2-16 button in the FUNCTION row.

Observe that all lamps in the FUNCTION row are extinguished,  
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 #39:

Depress the MC 17-31 button in the FUNCTION row.

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

## TEST #40:

Depress the 100 KC button in the FUNCTION row.

Observe that all lamps in the Megacycles row are extinguished,  
and that lamps 0 to 9 in the KILOCYCLES row are lit.  
Observe that Test Set indicator lamps No. 1, 4, and 5 are lit.

## TEST #41:

Depress the 10 KC button in the FUNCTION row.

Observe that lamps 0 to 9 in the KILOCYCLES row are lit.  
Observe that Test Set indicator lamps No. 1, and 4 are lit.



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## TEST #42:

Depress the 1 KC button in the FUNCTION row.

Observe that lamps 0 to 9 in the KILOCYCLES row are lit.

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

## TEST #43:

Depress the .1 KC button in the FUNCTION row.

Observe that lamps 0 to 9 in the KILOCYCLES row are lit.

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

## TEST #44:

Depress the 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 #45:

Depress the 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 #46:

Depress the AUDIO FILTER LO button in the FUNCTION row.

Observe that lamps Lo To 7.5L/10 are lit.

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

## TEST # 47:

Depress the AUDIO FILTER HI button in the FUNCTION row.

Observe that the Lamps 1/.1 to HI are lit.

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

## TEST #48:

Depress the TUNE button

Observe that all lamps in the IFBW/AUDIO FILTER ROW ARE extinguished.

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

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TEST PROCEDURE FOR RTPD-1 PROGRAMMER SWITCH S1003 (SW 396)

THE TECHNICAL MATERIEL CORP.  
MAMARONECK, NYTEST DATA SHEET  
SW396 (p/o RTPD-1)

SERIAL (RTPD-1) \_\_\_\_\_

DATE \_\_\_\_\_

MFG. NO \_\_\_\_\_

TESTER \_\_\_\_\_

TESTTESTTEST

#1 \_\_\_\_\_

#19 \_\_\_\_\_

#37 \_\_\_\_\_

#2 \_\_\_\_\_

#20 \_\_\_\_\_

#38 \_\_\_\_\_

#3 \_\_\_\_\_

#21 \_\_\_\_\_

#39 \_\_\_\_\_

#4 \_\_\_\_\_

#22 \_\_\_\_\_

#40 \_\_\_\_\_

#5 \_\_\_\_\_

#23 \_\_\_\_\_

#41 \_\_\_\_\_

#6 \_\_\_\_\_

#24 \_\_\_\_\_

#42 \_\_\_\_\_

#7 \_\_\_\_\_

#25 \_\_\_\_\_

#43 \_\_\_\_\_

#8 \_\_\_\_\_

#26 \_\_\_\_\_

#44 \_\_\_\_\_

#9 \_\_\_\_\_

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