TMC SPECIFICATION				NO. S 1066
REV: Ø				
COMPILED: GF	CHECKED: G. Flatter	APPD: [illegible]		SHEET 1 OF 13
TITLE:				

typed by vab 1/19/66

RTPH-1

PROGRAMMER SWITCH

TEST PROCEDURE

A. EQUIPMENT REQUIRED

1. Test set (Programmer Switch)

B. PRELIMINARY

1. This test procedure is used to check the accuracy of the wiring and operation of switches and indicator lamps.

2. Prior to using test set, inspect switch assembly for mechanical inperfections.

3. Connect leads from Programmer Switch to test set as indicated below:

BROWN		24 V AC Terminals
BROWN/WHITE		24 V AC Terminals
VIOLET	TO	Bit 1 Terminal
ORANGE	TO	Bit 2 Terminal
YELLOW	TO	Bit 3 Terminal
GREEN	TO	Bit 4 Terminal
BLUE	TO	Bit 5 Terminal
GRAY		To Delayed A Terminals
GRAY/WHITE		To Delayed A Terminals
RED/BLUE	TO	Common Bit

Remaining two wires are not connected to test fixture.

4. Depress the Tune Button on Program Switch to release any buttons that might be depressed.

5. Turn the test set power "ON". Only the V AC input indicator should light. If any other indicat r light, turn test power "OFF" and ch ck Program Switch for shorts.

C. PROGRAM SWITCH TESTS:

1. A. Depress button marked MC2-16 in the Function Row (Button Row) slowly and observe on the test fixture that bit lights 1, 2 and 5 light, followed by delayed "A" indicator.

   B. Observe on the Program Switch that all buttons in the Megacycle Row (2nd Row from bottom) are lit.

2. A. Depress button marked MC17-31 in function row slowly and observe on test fixture that Bit Lights 1 and 5 light followed by delayed "A" indicator.

   B. Observe on Program Switch that all buttons in Megacycle Row are ignited.

3. A. Depress button marked 100KC in function row and observe on test fixture that Bit Lights 1, 4 and 5 light, followed by delayed "A" indicator.

   B. Observe on Program Switch that the first ten buttons in the Kilocycle Row (3rd Row) are lit.

4. A. Depress button marked 10 KC in function row and observe on test fixture that Bit Lights 1 and 4 light, followed by delayed "A" indicator.

   B. Observe on Program Switch that the first ten buttons in the Kilocycle Row are lit.

5. A. Depress button marked 1KC in function row and observe on test fixture that Bit Lights 1, 3, 4 and 5 light, followed, by delayed "A" indicator.

   B. Observe on Program Switch that the first ten buttons in the Kilocycle Row are lit.

6. A. Depress button marked .1KC in function row and observe on test fixture that Bit Lights 1, 3 and 5 light, followed by delayed "A" indicator.

   B. Observe on Program Switch that the first ten buttons in the Kilocycle Row are lit.

7. A. Depress Cahnnel A 1 FBW Button in function row and observe on test fixture that Bit Lights 1, 2, 3, 4 and 5 light, followed by delayed "A" indicator.

   B. Observe on Program Switch that all buttons in position Select Row (Top Row) other than tune are lit.

8. A. Depress Channel A Det. Button in function row and observe on test fixture that Bit Lights 1, 2, 4 and 5 light, followed by delayed "A" indicator.

   B. Observe on Programming Switch that the last 3 buttons in thw Kilocycle Row are lit.

9. A. Depress Channel B IF BW button in function row and observe on test fixture that Bit Lights 1, 3 and 4 light, followed by a delayed "A" indicator.

   B. Observe on Program Switch that all buttons in position selection other than tune are lit.

10. A. Depress Channel B Det. button in function row and observe on test fixtur that Bit Lights 1, 2, 3 and 4 light, followed by delayed "A" indicator.

    B. Observe on Program Switch that th last 3 buttons in th Kil cycle Row are lit.

11. A. Depress AFC Button in function row and observe on test fixture that Bit Lights 1, 2 and 3 light, followed by delayed "A" indicator.

    B. Observe on Program Switch that the 13th and 14th Button in the Kilocycle Row are lit.

12. A. Depress RF Gain Button in function row and observe on test fixture that Bit Lights 1, 2, 3 and 5 light, follow d delayed "A" indicator.

    B. Observe on Program Switch that first 12 buttons in the Kilocycle Row are lit.

13. A. Depress 17MC 2 Button in Megacycle Row and observe on test fixture that Bit Lights 2 and 5 light, followed by delayed "A" indicator.

    B. Observe on Program Switch that the first 12 buttons in the function row are lit, also the tune button in the position select row.

14. A. Depress 18MC 3 Button in the Megacycle Row and observe on test fixture that Bit 2 lights, followed by delayed "A" indicator.

    B. Observe on Program Switch that the first 12 buttons in the function row are lit, also the tune button in the position select row.

15. A. Depress 19MC 4 Button in the Megacycle Row and observe on test fixtur that Bit 3 lights, followed by delayed "A" indicator.

    B. Same as Step 13.

16. A. Depress 20MC 5 Button in the Megacycle Row and observe on test fixture that Bit Lights 2 and 3 light, followed by delayed "A" indicator.

    B. Same as Step 13.

17. A. Depress 21MC 6 Button in the Megacycle Row and observe on test fixture that Bit Lights 2 and 4 light, followed by delayed "A" indicator.

    B. Same as Step 13.

18. A. Depress 22MC 7 Button in the Megacycle Row and observe on test fixture that Bit Lights 2, 3 and 4 light, followed by delayed "A" indicator.

    B. Same as Step 13.

19. A. Depress 23MC 8 in the Megacycle Row and observe on test fixture that Bit Lights 2, 3 and 5 light, followed by delayed "A" indicator.

    B. Same as Step 13.

20. A. Depress 24MC 9 in the Megacycle Row and observe on test fixture that Bit Lights 2, 3, 4 and 5 light, followed by delayed "A" indicator.

    B. Same as Step 13.

21. A. Depress 25MC 10 in Megacycle Row and observe on test fixture that Bit Lights 3 and 4 light, followed by delayed "A" indicator.

    B. Same as Step 13.

22. A. Depress 26MC 11 in megacycle Row and observe on test fixture that Bit Lights 2, 3 and 4 light, followed by delayed "A" indicator.

B. Same as Step 13.

23. A. Depress 27MC 12 in Megacycle Row and observe on test fixture that Bit Lights 2, 4 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

24. A. Depress 28MC 13 in Megacycle Row and observe on test fixture that Bit Lights 4 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

25. A. Depress 29MC 14 in Megacycle Row and observe on test fixture that Bit Lights 3 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

26. A. Depress 30MC 15 in Megacycle Row and observe on test fixture that Bit 5 lights, followed by delayed "A" indicator.

B. Same as Step 13.

27. A. Depress 31MC 16 in Megacycle Row and observe on test fixture that Bit 4 lights followed by delayed "A" indicator.

B. Same as Step 13.

28. A. Depress "0" Button in Kilocycle Row and observe on test fixture that Bit 2 lights, followed by delayed "A" indicator.

28. B. Same as Step 13.

29. A. Depress "1" Button in Kilocycle Row and observe on test fixture that Bit 3 lights followed by delayed "A" indicator.

B. Same as Step 13.

30. A. Depress "2" Button in the Kilocycle Row and observe on test fixture that Bit 4 lights, followed by delayed "A" indicator.

B. Same as Step 13.

31. A. Depress "3" Button in Kilocycle Row ans observe on test fixture that Bit Lights 2 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

32. A. Depress "4" Button in Kilocycle Row and observe on test fixture that Bit Lights 2 and 3 light, followed by delayed "A" indicator.

B. Same as Step 13.

33. A. Depress "5" Button in Kilocycle Row and observe on test fixture that Bit Lights 3 and 4 light, followed by delayed "A" indicator.

B. Same as Step 13.

34. A. Depress "6" Button in Kilocycle Row and observe on test fixture that Bit Lights 2, 4 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

35. A. Depress "7" Button in Kilocycle Row and observe on test fixtur that Bit Lights 2, 3 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

36. A. Depress "8" Button in Kilocycle Row and observe on test fixture that Bit Lights 2, 3 and 4 light, followed by delayed "A" indicator.

B. Same as Step 13.

37. A. Depress "9" Button in Kilocycle Row and observe on test fixture that Bit Lights 3, 4 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

38. A. Depress "10" Button in Kilocycle Row and observe on test fixture Bit Lights 4 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

39. A. Depress AGC Button in Kilocycle Row and observe test fixture that Bit 5 lights, followed by delayed "A" indicator.

B. Same as Step 13.

40. A. Depress AM/ON Button in Kilocycle Row and observe on test fixture that Bit 2 lights, followed by delayed "A" indicator.

B. Same as Step 13.

41. A. Depress SSB/OFF Button in Kilocycle Row and observe on test fixture that Bit 4 lights followed by delayed "A" indicator.

B. Same as Step 13.

42. A. Depress CW Button in Kilocycle Row and observe on test fixture that Bit 3 lights, followed by delayed "A" indicator.

    B. Same as Step 13.

43. A. Depress the button marked "1" in the Position Select Row (Top Row) and observe on the test fixture that Bit 2 lights, followed by delayed "A" indicator.

    B. Same as Step 13.

44. A. Depress the button marked "6" in the Position Select Row and observe on test fixture that Bit 3 lights, followed by delayed "A" indicator.

    B. Same as Step 13.

45. A. Depress the button marked "15" in the Position Select Row and observe on test fixture that Bit 4 lights, followed by d layed "A" indicator.

    B. Same as Step 13.

46. A. Depress the button marked 3.5U in the Position Select Row and observe on the test fixture Bit Lights 2 and 5 light, followed by delayed "A" indicator.

    B. Same as Step 13.

47. A. Depress the button marked 3.5L in the Position Select Row and observe on test fixture Bit Lights 2 and 3 light, followed by delayed "A" indicator.

    B. Same as Step 13.

48. A. Depress the button marked 7.5U in th Position Select Row and obs rve on test fixture Bit Lights 3 and 4 light followed by d layed "A" indicator.

    B. Same as Step 13.

49. A. Depress the button marked 7.5L in the Position Select Row and observe on test fixture Bit Lights 2, 4 and 5 light, followed by delayed "A" indicator.

B. Same as Step 13.

50. A. Depress "TUNE" Button and observe on test fixture that Bit 1 lights, followed by delayed "A" indicator. Upon releasing "TUNE" Button all lamps on Programmer Switch and test fixture should be extinguished except power indicator on test fixture. If all steps of the test procedure have been completed without fault, the Programmer Switch is ready to be assembled into unit.

TMC SPECIFICATION

NO. S 1066

REV: Ø

COMPILED: GF | CHECKED: G Fletcher | APPD: F E Eaton | SHEET 12 OF

TITLE: RTPH-1 PROGRAMMING SWITCH TEST DATA SHEET

typed by vab 1/20/66

STEP	OK	FAULT
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REVISION SHEET	THE TECHNICAL MATERIEL CORP. MAMARONECK NEW YORK	1066 LIST NO. Sheet 13

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
1/24/66	Ø			Original Release for Production	

TMC FORM MLR-1 2-65—AINS.