

TMC SPECIFICATION

NO. S 1220

REV:

COMPILED: D.R.P.

CHECKED: D.R.

APPD: E.F.M.

SHEET

OF

TITLE:

TEST PROCEDURE

KIT 321

TMC SPECIFICATION

NO. QA S-1220

REV:

COMPILED: 6-16-69 D.R.P.

CHECKED: *DMK*APPD: *SPM*

SHEET 1 OF 3

TITLE: TEST PROCEDURE

T.M.C. MODEL KIT 321

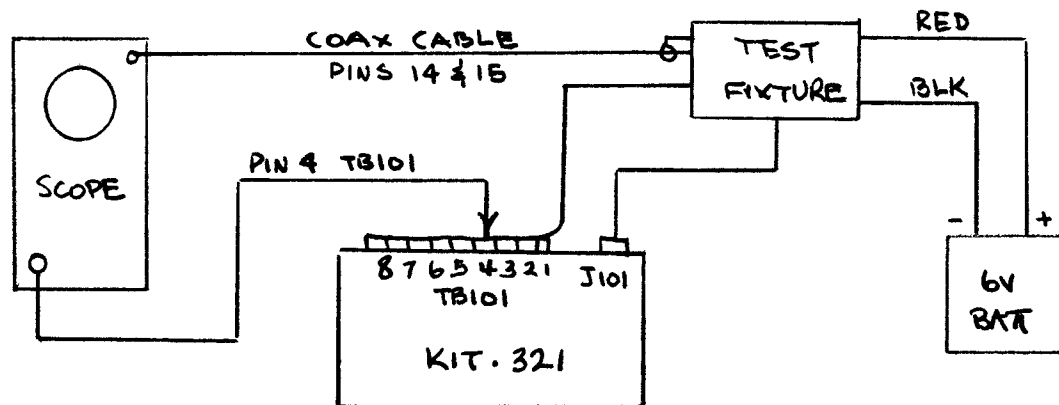
This procedure covers the bench testing of T.M.C. Model Kit-321.

Equipment Required:

1. Oscilloscope, Tektronix Model 541A or equivalent.
2. VOM, Simpson Model 260 or equivalent.
3. 6 volt battery.
4. Test Fixture, T.M.C. #6096.

Procedure:

1. Set up the equipment as shown.



2. On the Scope set up the controls as follows;

INPUT to DC

VOLTS c/m to .5

TIME c/m for 10 milsec attack time &

20 milsec decay time

TRIGGER SEL to EXT

DC to +attack time and -decay time

TMC SPECIFICATION

NO. QA S-1220

REV:

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APPD:

SHEET 2

OF 3

TITLE:

TEST PROCEDURE

T.M.C. MODEL KIT 321

3. On the KIT-321 set the mode switch to NORM.
4. On the Test Fixture set to KEY and the PTT switch to off.
5. With the Power Switch OFF, lamp #1 should be ON and lamps #2, 3, and 4 should be OFF.
6. Turn ON the power (Kit 321); lamp #1 should go OFF and lamps #2, 3, and 4 should come ON.
7. Set the Kit 321 mode switch to PTT; lamp #1 should come ON and lamps #2, 3, and 4 should go OUT.
8. Set the PTT on the Test Fixture to ON; lamp #1 should go OFF and lamps #2,3, and 4 should come ON.
9. Check Attack and Delay time on Scope,
 - a. Attack time should be less than 40 milsec.
 - b. Delay time should be less than 300 milsec.
 - c. Record results on Data Sheet.
10. Repeat steps 7, 8, and 9 using the CW positions on the Kit 321 and th KEY switch on the Test Fixture.

TMC SPECIFICATION

NO. GA S-1220

REV: _____

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APPD: _____

SHEET 3 OF 3

TITLE: TEST PROCEDURE

T.M.C. MODEL KIT 321

TEST DATA SHEET

KIT-321

SERIAL NO. _____

MFG. NO. _____

PTT ATTACK TIME _____ MS

PTT DELAY TIME _____ MS

CW ATTACK TIME _____ MS

CW DELAY TIME _____ MS

TESTER: _____

DATE: _____

TMC SPECIFICATION

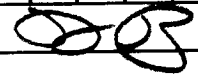
NO. S 1220 - 1

REV:

COMPILED: SR

CHECKED:

APPD:



SHEET

OF

TITLE:

3/14/68 jb/

TEST PROCEDURE FOR AX-5031

P/O KIT 321

TMC SPECIFICATION

NO. S 1220

REV:

COMPILED: SR

CHECKED:

APPD:

SHEET 1 OF

TITLE: TEST PROCEDURE FOR AX-5031 P/O KIT 321

A. Test Equipment required:

1. Simpson 260 ohmmeter
2. Test Jig. #
3. Oscilloscope Techtronix, Type 541A
4. 6 Volt DC power supply

B. Procedure:

1. Connect Test Jig. cables to J-101 and TB-101 of AX-5031.
2. Connect AX-5031 line cord.
3. Place mode switch in CW position, also turn on power switch.
4. Connect scope to Test Jig as per Fig. #1.
5. Set scope controls as follows:
Mode switch DC, Volts/CM .2, Trigger Mode DC,
Trigger Slope ±, Time/CM 10 Milli sec.
6. Place both Test Jig. switches in Off position, now turn on Test Jig power supply.

NOTE: Lamp #1 should light.

7. Place voltage key switch to On position.

NOTE: Scope display should activate within 40 Milli sec., also lamps #2 - 3 - 4 should light and lamp #1 should extinguish.

TMC SPECIFICATION

NO. S 1220

REV:

COMPILED:

SR

CHECKED:

APPD:

SHEET

2

OF

TITLE:

TEST PROCEDURE FOR AX-5031 P/O KIT 321

8. Set Scope Time/CM switch to 50 milli sec. position.

9. Place voltage key switch to Off position.

NOTE: Scope display should deactivate between 200 and 300 Milli sec. * If decay time is greater than 300 milli sec., adjust R-102 (delay control) in AX-5031 until decay time is within 200 to 300 milli sec.

10. Place AX-5031 mode switch in PTT position.

NOTE: Lamp #1 should light,

11. Place Scope Time/CM switch in 10 milli second position.

12. Place Test Jig. PTT switch to On position.

NOTE: Scope display should activate within 40 milli sec., also lamps #2 - 3 - 4 should light and lamp #1 should extinguish.

13. Place Scope Time/CM switch in 10 milli sec. position.

14. Place PTT switch to Off position.

NOTE: Scope display should deactivate within 300 milli seconds, also lamps #2 - 3 - 4 should extinguish and lamp #1 should light.

15. Place AX-5031 mode switch in norm. position.

NOTE: Lamps #2 - 3 - 4 should light and lamp #1 should extinguish.

16. Connect ohmmeter across terminals 6 and 7 of TB-101.

Meter should read zero ohms.

TMC SPECIFICATION

NO. S 1220

REV:

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APPD:

SHEET 3 OF

TITLE: TEST PROCEDURE FOR AX-5031 P/O KIT 321

17. Now connect ohmmeter across terminals 7 and 8. Meter should read open.

18. This completes test. If all preceding steps have been satisfactorily completed, affix Test Stamp to rear of AX-5031.

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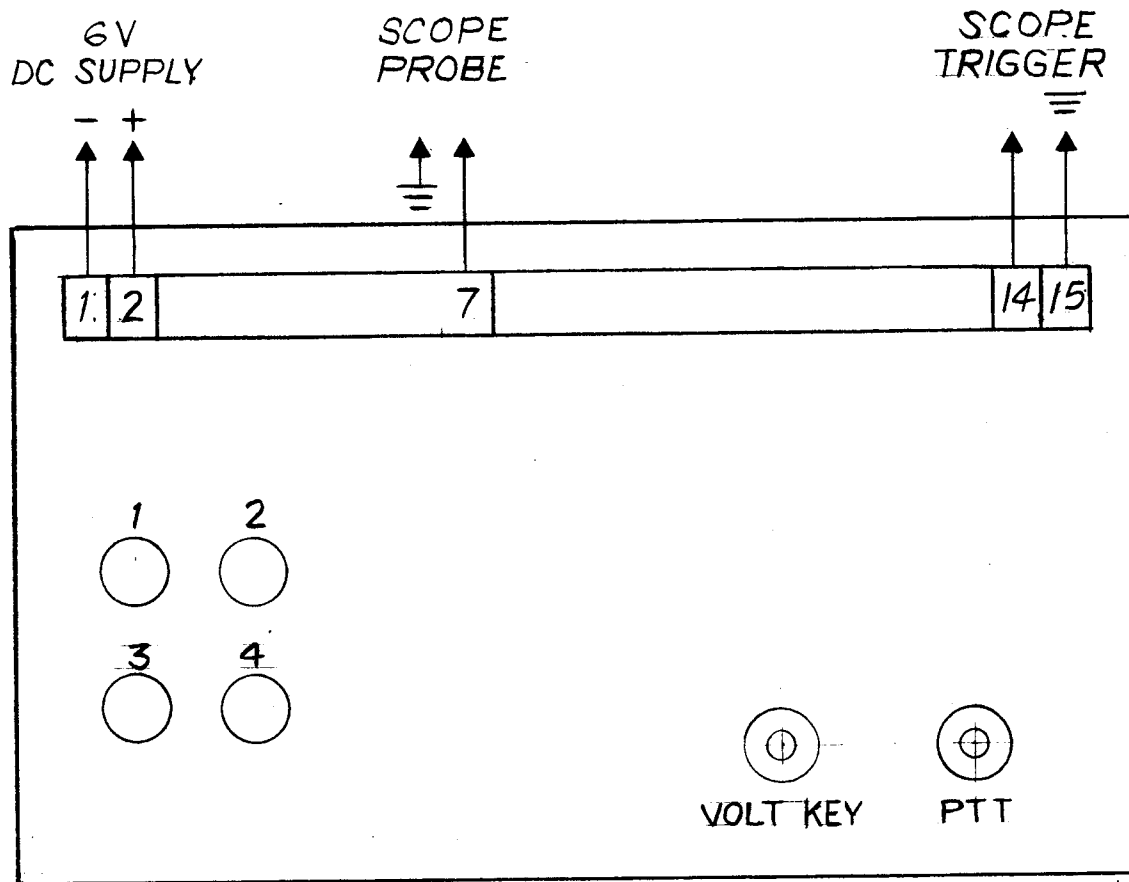
SHEET

4

OF

TITLE:

TEST PROCEDURE FOR AX-5031 P/O KIT 321



TEST JIG

FIG. 1