TMC SPECIFICATION

NO. S 963

REV: 0

COMPILED: NL NL | CHECKED: EEC | APPD: [signature] 6/2/65 | SHEET 1 OF

TITLE:

typed by vab 6/2/65

PRODUCTION TEST PROCEDURE FOR TMC MODEL RCSA-1

TMC SPECIFICATION			NO. S 963
REV: 0			
COMPILED: NL	CHECKED:	APPD:	SHEET 2 OF

TITLE: PRODUCTION TEST PROCEDURE FOR TMC MODEL RCSA-1

typed by vab 6/2/65

I. INTRODUCTION:

The Model RCSA-1, remote antenna selector is an automatic antenna switching unit. The RCSA-1 provides selection, either manually or remotely, of any one of up to twelve antennas to be connected to a receiver.

II. EQUIPMENT REQUIRED:

1. Schematic Diagram CK960.
2. RCSA-1 Test Jig.
3. Simpson 260 Multimeter or Equivalent.
4. +28 Volt Power Supply

III. PROCEDURE:

A. (1) Check RCSA-1 for mechanical defects and wiring errors.
(2) Check that all fuses are installed and are of the specified value.

B. (1) Turn AC Power Switch (S3001) OFF.
(2) Connect one end of AC Power Cord to J3001 and the other end to 115VAC.
(3) Connect the cable from the test jig to J3002.
(4) Connect the External +28 Volt Power Supply to the test jig. (Polarity as shown on Jig)
(5) Calibrate the Simpson to read ohms (Rx1 Scale), and connect one end to the Antenna Output Connector and the other end to Antenna 1.
(6) Turn the external supply ON. Turn the RCSA-1 AC Switch ON.
(7) a. Turn the rotary switch on the test jig until Lamp 3 alone is ON.
b. Check the multimeter to see if you have continuity.
c. Check the antenna switch on the RCSA-1, it should be in position 1 (If the knob isn't in position 1, loosen set screw in knob and set the knob to 1. Then tighten set screws).
(8) Using the Simpson 260 and the RCSA-1 test jig perform the following test:

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RCSA-1

SWITCH POSITION	TEST JIG LAMPS 2	3	4	5	CONTINUITY FROM ANTENNA OUTPUT TO: ANTENNA INPUT#	CHECK IN THIS COLUMN IF OK
1		X			1	
2			X		2	
3	X			X	3	
4	X	X			4	
5		X	X		5	
6	X		X	X	6	
7	X	X		X	7	
8	X	X	X		8	
9		X	X	X	9	
10			X	X	10	
11				X	11	
12	X				12	

FINAL OK

REVISION SHEET	THE TECHNICAL MATERIEL CORP. MAMARONECK NEW YORK	S-963 LIST NO. 0

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
6/3/65		1 of	3	O=ORIGINAL RELEASE FOR PRODUCTION.	

TMC FORM MLR-1 2-65—AINS.