TMC SPECIFICATION			NO. S 1053
REV: Ø			
COMPILED: BN	CHECKED:	APPD:	SHEET 1 OF 3
TITLE:			

Typed by mtp 12/15/65

PRODUCTION TEST OF AX-619

AUTOMATIC SWITCHOVER FROM 1.0 MC

INTERNAL STD. TO 1.0 MC EXTERNAL STD.

PRODUCTION TEST OF AX-619 USED IN KIT-270

A. TEST EQUIPMENT REQUIRED

1. Standard Signal Generator - Type 1001-A.
2. Hewlett-Packard Model 410-BR VTVM.
3. Con-Avionics Model W-32-5 - 0.V to +50V Power Supply.
4. Simpson - Model 260 VOM.

B. PRELIMINARY CHECK

1. Inspect unit for mechanical imperfections, correct placement of parts and obvious wiring defects.
2. Check resistance between 24V terminal and GND lug with positive probe connective to the GND lug, and the negative probe to the 24 V terminal. The value should be 9.0 K ohms.
3. Reverse the positions of the probes in Step #2. The reading should now be 20. K ohms.

C. SETTING UP FOR TEST

1. On power supply Model W-32-5, set output control fully counter-clockwise, power switch in OFF position. On AX-619, turn R1 fully counter-clockwise.
2. Connect positive output of power supply to 24 V terminal on AX-619, and negative of power supply to GND terminal located above 24 V terminal.
3. Conenct output of signal generator to J-3 of AX-619.
4. Turn on Model W-32-5 power supply and adjust the output control clockwise to give 24 V output.
5. With RF probe of VTVM across the output of the signal generator, feed 1.0 MC into the internal 1 MC input jack of AX-619 at 1 V RMS. Relay should be de-energized.
6. Turn R1 slowly clockwise until r lay pulls in. Check to see that the 1.0 MC level is still 1.0 V.
7. Reduce the level of the signal generator until the relay drops out. th level of 1.0 MC should not be below 0.707 V.

C. SETTING UP FOR TEST - Cont'd

8. Raise the level of the signal generator slowly back to 1.0 V. The relay should pull in at 1.0 V. A slight adjustment of R1 may be necessary to have the relay pull in at exactly 1.0 V.

9. Repeat Steps 7 and 8 to meet requirements.

D. ALARM CHECK

1. Using the Simpson Model 260, set range to RX1 scale and ZERO.

2. Connect test probes between terminals 9 and 10 of TB1. Reading should be INFINITE with the relay de-energized.

3. Connect test probes between terminals 8 and 9 of TB1. Reading should be ZERO with the relay de-energized. Reading will be INFINITY when the relay pulls in.

E. TROUBLE SHOOTING

1. Use CK-1055 for servicing.

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S1053
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
12/16/65		----------	----------	ORIGINAL RELEASE FOR PRODUCTION	