TMC SPECIFICATION

NO. 51325

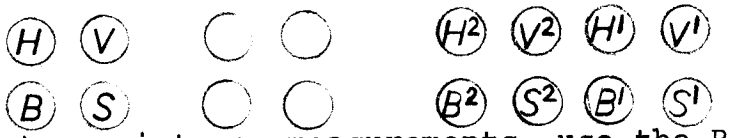
REV: 0

COMPILED: B.S. CHECKED: APPD: SHEET OF

TITLE: Selector Switch AX8044

SELECTOR SWITCH
AX8044

To test AX8044 unit, for resistance measurements, and continuity. A multimeter, Simpson #260 or equal is required. A layout of back panel connectors, as illustrated below, for point to point testing, as viewed from the front panel.



Set ohmmeter to resistance measurements, use the R X 1 scale.

1. Rotate generator synchronize selector switch to the position marked THORN. Connect the test lead from the ohmmeter negative, to connector H on rear panel (see above layout). Observe a full scale deflection 0 ohms, when the ohmmeter positive lead is connected to H . Disconnect the ohmmeter positive lead from H .

2. Rotate generator synchronize selector switch to the position marked TELEMET. Connect the ohmmeter test lead positive, to the connector H^2 and observe a full scale deflection o ohm.

3. The selector switch still in TELEMET position, connect the negative lead to V connector and the ohmmeter positive lead to V^2 and a full scale reading of 0 ohms, must be obtained. Disconnect positive meter lead.

4. Rotate generator synchronize selector switch to the position marked THORN. The ohmmeter positive lead is then connected to V^1, and a full scale deflection 0 ohms must be observed. Disconnect both the test leads from the V connectors.

5. Proceed to test B, using the same procedure as previously outlined in details #1 through #4.

6. Proceed to test S, using the same procedure as outlined in details #1 through #4.

7. The selector switch still in THORN position, connect the negative lead of the ohmmeter to chassis or ground, and the positive lead of the ohmmeter to terminal V^2. A ohmmeter reading of approximately 70 ohms must be obtained. Disconnect the positive lead from V^2 and connect to V^1, the reading observed at this connector must be infinity. Disconnect ohmmeter positive lead from V^1, and reconnect positive lead to V connector, the infinity reading must be observed at this connector.

8. Proceed to test S using the same procedure as outlined in detail in paragraph #7.

9. Proceed to test B using the same procedure as outlined in detail in paragraph #7.

10. Proceed to test H_7^2 using the same procedure as outlined in detail in paragraph #7 after completion of this section of the test. Disconnect ohmmeter leads from connector.

11. Rotate generator synchronize selector switch, to the position marked TELEMET. The ohmmeter negative lead is connected to the chassis ground, and the positive lead of the ohmmeter is connected to terminal V_7^1 a reading of approximately 70 ohms, must be observed on the ohmmeter, disconnect the meter's positive lead, and connect the ohmmeter to terminal V_7^2 this reading must be infinity, as observed on the ohmmeter. Disconnect the positive meter lead from V_7^2 and reconnect to terminal V, a infinity reading must also be observed at this connector. Disconnect the positive lead of the ohmmeter from connector V.

12. Proceed to test S_7^1 using the same procedure as outlined in detail in paragraph #11.

13. Proceed to test B_7^1 using the same procedure as outlined in detail in paragraph #11.

14. Proceed to test H_7^1 using the same procedure as outlined in detail in paragraph #11.

15. Disconnect ohmmeter negative and positive test leads from the AX8044 unit, enter the data required, on the test chart. This completes all the electrical test required.

TMC SPECIFICATION

NO. S1325

REV:

COMPILED: B.A. | CHECKED: | APPD: | SHEET 3 OF 3

TITLE: Selector Switch AX8044

TEST DATA CHART

METER RX1 SCALE ACROSS CONNECTORS

THORN				TELEMET			
CONN	CONN	RESIST	NOTES	CONN	CONN	RESIST	NOTES
V1	V			V2	V		
S1	S			S2	S		
B1	B			B2	B		
H1	H			H2	H		

METER RX1 SCALE ONE TEST LEAD GRD.

THORN				TELEMET			
CONN	RESIST	CONN	RESIST	CONN	RESIST	CONN	RESIST
V1		V2		V1		V2	
S1		S2		S1		S2	
B1		B2		B1		B2	
H1		H2		H1		H2	

MODEL* _____ TESTER _____

SERIAL* _____ DATE _____

MFG. # _____ SUPERVISOR _____

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S1325
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
12/20/73	Ø			ORIGINAL RELEASE FOR PRODUCTION	

TMC FORM MLR-1 2-65—AINS.