DATE 19 January 1965	TMC SPECIFICATION NO. S - 908	A
SHEET 1 OF 5		
RRH COMPILED / CHECKED	TITLE:	
APPROVED	Typed by mtp	

TEST PROCEDURE

for

HSS-7

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

DATE 19 January 1965	TMC SPECIFICATION NO. S - 908	A
SHEET 2 OF 5		
RRH COMPILED / CHECKED	TITLE: TEST PROCEDURE FOR HSS-7	
APPROVED	Typed by mtp	

A. TEST EQUIPMENT REQUIRED

1. Audio Signal Generator - Hewlett-Packard Model 200CD or equivalent.

2. Distortion Meter - Barker-Williamson Model 410 or equivalent.

3. Ballantine Model 314 AC Voltmeter.

B. PRELIMINARY

1. Inspect unit for obvious mechanical defects.

C. PROCEDURE

1. Turn both "AMP. GAIN" and "SPEAKER LEVEL" controls fully counter-clockwise.

2. Connect signal generator to terminals 1 and 3 of terminal board TB1. Terminal 1 is ground, terminal 3 is input.

3. Connect distortion meter to TB1, observing polarity as in 2, above.

4. Set distortion meter controls as follows:

DISTORTION FREQUENCY RANGE	TO VOLTS TO 0 VOLT

5. Adjust Signal Generator for 1000 cps and a -6 dbm, or .4V indication on distortion meter.

6. Disconnect distortion meter from TB1 and connect to TB2, insuring that "hi-side" is to Terminal 3 and ground Terminal 1.

7. Turn RANGE switch to 10 volts.

8. Adjust volume control of HSS-7 for a 7 volt indication on distortion meter. Record on Test Data Sheet.

9. Turn DISTORTION FREQUENCY switch to 200 to 2K position.

10. Turn RANGE switch to 100%.

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11. Adjust FREQUENCY and AMPLITUDE COARSE controls for a dip.

12. Turn RANGE switch to 30%.

13. Repeat Step 11 above.

14. Turn RANGE switch to 10%.

15. Adjust FREQUENCY and AMPLITUDE fine controls for a dip.

16. Turn RANGE switch to 3%.

17. Repeat Step 15 above.

18. Turn RANGE switch to -10 CAL.

19. Adjust CALIBRATE control for 10V on 10V scale.

20. Return RANGE switch to 3%.

21. Adjust FREQUENCY and AMPLITUDE fine controls again for a dip. Record distortion as indicated on meter on Test Data Sheet. Must be less than 2%.

22. Return DISTORTION FREQUENCY switch to VOLTS position.

23. Set RANGE switch on distortion meter to 10 volt position.

24. Set Signal Generator on 7000 cps. Output should not drop to less than 4.9 volts from the reading of 7 volts at 1000 cps. Record on Test Data Sheet.

25. Set Signal Generator at 200 cps. Output should be at least 4.9 volts. Record on Test Data Sheet.

26. Disconnect distortion meter leads from TB2. Connect Ballantine Model 314 across TB2 terminals 3 and 1.

27. Remove signal generator input. Observe hum level by turning range knob on Ballantine meter to successively lower scale until a reading is observed. Must be at least -40 db. Record on Test Data Sheet.

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TB1

TB2

FIGURE 1

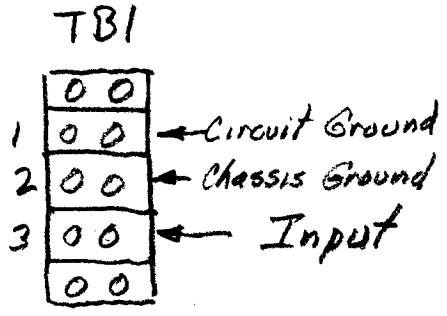
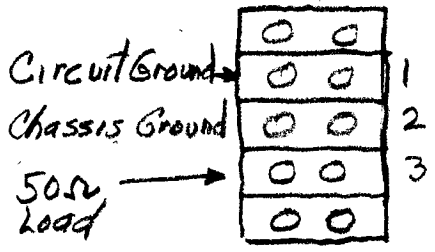


FIGURE 2



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DATE 19 January 1965 SHEET 5 OF 5	TMC SPECIFICATION NO. S 908	A
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THE TECHNICAL MATERIEL CORP.
700 FENIMORE RD.
MAMARONECK, N.Y.

TEST DATA SHEET
for
HSS-7

SERIAL NO.: _____

MFG. NO.: _____

B.1 MECHANICAL 1_____

C.8 OUTPUT AT 1000 CPS AT LEAST 7 VOLTS (1 WATT) _____VOLTS

C.21 DISTORTION AT 1000 CPS AND 1 WATT OUTPUT (MUST BE 2% OR LESS). _____%

C.24 OUTPUT AT 200 CPS (AT LEAST 4.9V) _____VOLTS

C.25 OUTPUT AT 7000 CPS (AT LEAST 4.9VOLTS) _____VOLTS

C.27 HUM LEVEL AT 1 WATT OUTPUT (at least -40 DB) _____db

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S-908 0
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
1/19/65		1 of 6		0= ORIGINAL RELEASE FOR PRODUCTION.	
5/13/65	A	All	14066	PER EMN	K

TMC FORM MLR-1, OSILVIE PRESS, INC. NO. 459M TYPEMASTER