TMC SPECIFICATION			NO. S 1290
REV: Ø			
COMPILED: S. DeMarco	CHECKED:	APPD: S. DeMarco 1/3/72	SHEET OF
TITLE:			

TEST PROCEDURE

for

RTPR-1YA

TMC SPECIFICATION			NO. S 1290
REV: Ø			
COMPILED: S. DeMarco	CHECKED:	APPD:	SHEET 1 OF 6
TITLE: Test Procedure for RTPR-1YA			

I. Equipment Required

A. VOM, Simpson Model 260, or equivalent.
B. Test set up as shown in Fig. 1.

II. Preliminary Electrical Tests

CAUTION: Be sure AC power is removed from RTPR-1YA.

A. Connect ohm-meter across AC input of unit. Be sure fuses F102 wnd F103 are in place.
B. Set AC switch S101 to "ON". Continuity should exist across the AC input (approximately 5 ohms). Removing either F102 of setting S101 to "OFF" will break continuity.
C. Continuity should not exist between AC leads and ground. Set S101 to "OFF" and remove ohm-meter from unit.

III. Power Supply Voltage Checks

A. Set AC power to "ON". Power light DS104 will light. Removing either F102 or F103 will cause the power light to go out.
B. Meter the voltage level at test point 1, +25V supply should be between +25VDC and 35VDC.
C. Meter the voltage level at test point 9, +60V supply should be between +60VDC and +70VDC.
D. Set AC power to OFF. Record voltages on test data sheet.

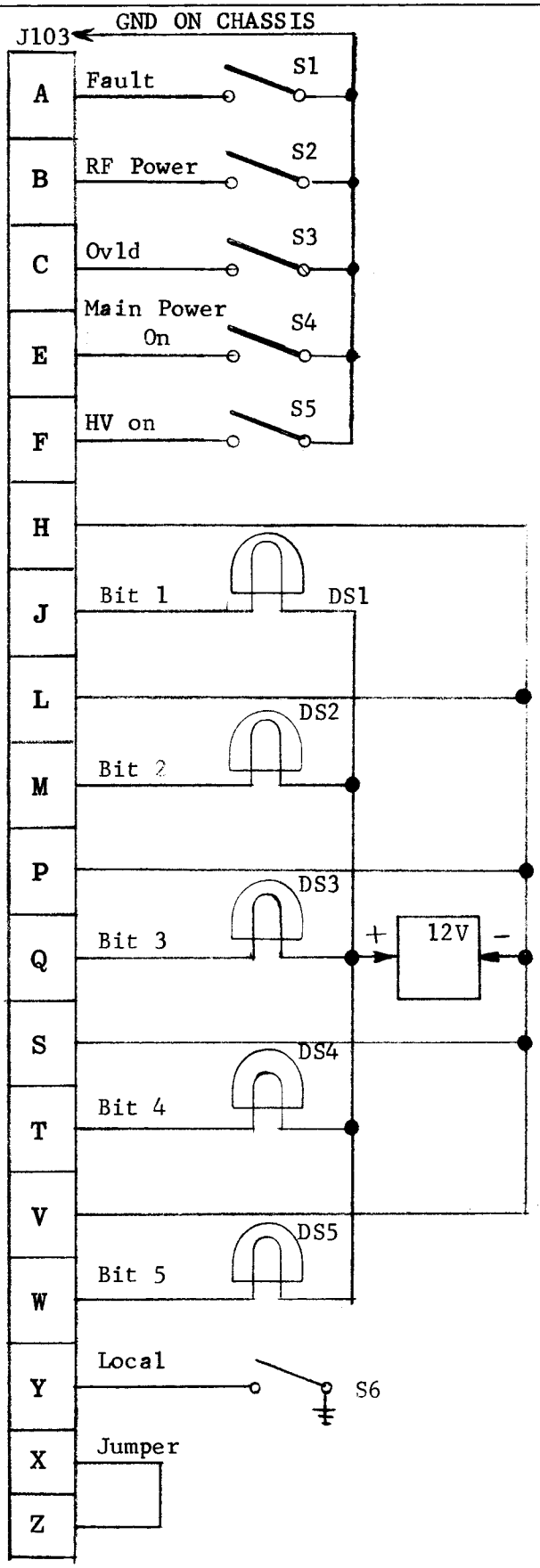
IV. Operational Check

A. Insert PC588/A-4866 into RTPR-1YA.
B. Connect test hookup as shown in Fig. 1. Set AC power to ON.
C. Programming Checks
   1. Refer to Table I for the proper control codes.
   2. Set the Channel select switch to Channel 1 and depress the TUNE pushbutton. DS1 will light. When the TUNE button is released DS1 will go out.
   3. Repeat for channels 2 thru 5 and verify the codes given in Table I.
   4. Depress the HIGH VOLTAGE ON pushbutton and verify proper code (Table I).
   5. Depress each of the following functions in turn and verify the proper codes given in Table I.
      a) HIGH VOLTAGE OFF
      b) MAIN POWER ON
      c) MAIN POWER OFF

6. Mode Function Checks
   a) Set the Mode select switch to A2 and depress the MODE pushbutton; DS1 and DS5 will light. When the MODE button is released DS1 and DS5 will go out.
   b) Repeat for other MODE functions and verify codes given in Table I.
7. Record results on test data sheet.

D. Readback Check
1. Set S1 to ON and refer to Table II for proper indicators.
2. Set S1 to OFF and in turn set S2 thru S6 ON. Be sure to set each switch OFF before proceeding with the next switch. Refer to Table II for proper results.
3. Record results on test data sheet.

TITLE: TEST PROCEDURE for RTPR-1YA



DS1 THRU DS5 #330 OR EQUIVALENT.

S1 THRU S6 S.P.S.T. OR EQUIVALENT

EXTERNAL HOOK-UP TO TEST RTPR-1YA

TABLE I

FUNCTIONS	LAMPS				
CHANNEL	DS1	DS2	DS3	DS4	DS5
1	ON	---	---	---	---
2	---	---	ON	---	---
3	ON	ON	---	---	---
4	ON	---	ON	ON	---
5	ON	ON	ON	---	---
HIGH VOLTAGE					
ON	---	---	ON	ON	---
OFF	ON	---	ON	---	---
MAIN POWER					
ON	---	---	---	ON	---
OFF	---	ON	---	ON	---
MODE					
A2	ON	---	---	---	ON
A2H	---	ON	---	---	ON
A1	ON	ON	---	---	ON
F1	---	ON	ON	---	ON

TABLE I CONTROL CODES

TABLE II

SWITCHES						INDICATORS						
S1	S2	S3	S4	S5	S6	FAULT	RF POWER	OVLD	MAIN POWER ON	MAIN POWER OFF	HV ON	LOCAL
ON	–	–	–	–	–	ON	---	–	ON	---	–	–
–	ON	–	–	ON	–	–	ON	–	ON	---	ON	–
–	–	ON	–	–	–	–	---	ON	ON	---	–	–
–	–	–	ON	–	–	–	---	–	–	ON	–	–
–	–	–	–	ON	–	–	---	–	ON	---	ON	–
–	–	–	–	–	ON	–	---	–	–	---	–	ON

TABLE II Readback indicators

TEST DATA SHEET

POWER SUPPLY VOLTAGE CHECKS

A. TEST POINT 1+_____VDC

B. TEST POINT 9+_____VDC

OPERATIONAL CHECKS

A. PROGRAMMING_____O.K.

B. READBACK _____O.K.

TESTED BY:_____ DATE:_____

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S 1290
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
11/7/72	Ø			ORIGINAL RELEASE FOR PRODUCTION	

TMC FORM MLR-1 2-65—AINS.