

TMC SPECIFICATION

NO. S S1319

REV:

8

COMPILED:

CHECKED:

APPD:

S. Di Marco

SHEET

OF

TITLE:

TEST PROCEDURE

FOR

RTPR-1YB

DATE _____
SHEET 1 OF 6

TMC SPECIFICATION NO. S 51319



S. D Mardo

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TITLE: Test Procedure for RTPR-1YB

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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-1YB.

- A. Connect ohm-meter across AC input of unit. Be sure fuses F102 and F103 are in place.
- B. Set AC switch S101 to "ON". Continuity should exist across the AC input (approximately 5 ohms). Removing either F102 or F103 or 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-1YB.
- 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 10 and verify the codes given in Table I.
 - 4. Depress the HIGH VOLTAGE ON pushbutton and verify proper code (Table I).
 - 5. Depress HIGH VOLTAGE OFF and verify the proper codes given in Table I.

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6. Mode Function Checks
 - a) Set the Mode select switch to AM and depress th ~~MODE~~ pushbutton; DS1 will light. When the ~~MODE~~ button is released DS1 will go out.
 - b) Repeat for other MODE functions and verify cod s 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 indi- cators.
 2. Set S1 to OFF and in turn set S2 thru S5 ON. B sure to set each switch OFF before proceeding with th next switch. Refer to Table II for proper results.
 3. Record results on test data sheet.

TMC SPECIFICATION

NO. S 1390

REV: *1*

COMPILED: *S. DeMarco*

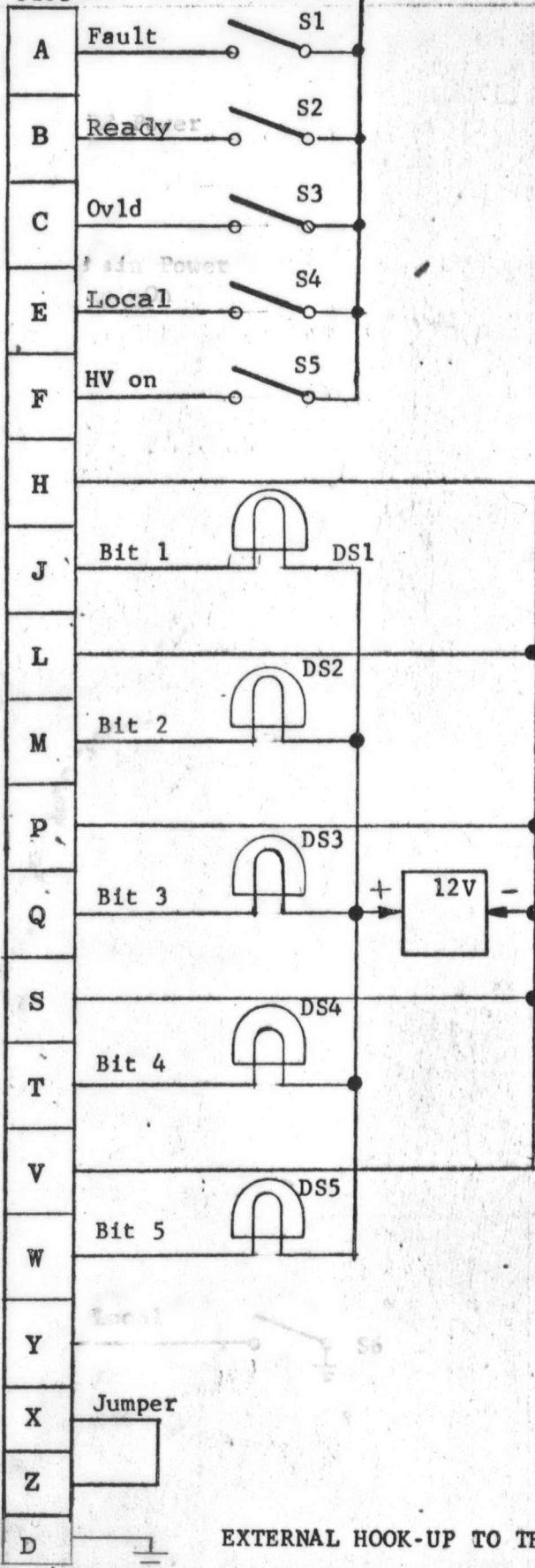
CHECKED:

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SHEET 3 OF 6

TITLE: TEST PROCEDURE for RTPR-1YB

GND ON CHASSIS
J103 ←



DS1 THRU DS5 #330 OR EQUIVALENT.

S1 THRU S5 S.I.P.S.O.T. OR EQUIVALENT

EXTERNAL HOOK-UP TO TEST RTPR-1YB

DATE _____
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TABLE I

<u>FUNCTIONS</u> <u>CHANNEL</u>	<u>LAMPS</u>				
	DS1	DS2	DS3	DS4	DS5
1	ON	---	---	---	---
2	---	ON	---	---	---
3	---	---	ON	---	---
4	ON	---	---	ON	---
5	ON	ON	---	---	---
6	---	ON	ON	---	---
7	ON	---	ON	ON	---
8	ON	ON	---	ON	---
9	ON	ON	ON	---	---
10	---	ON	ON	ON	---

HIGH VOLTAGE

ON	---	---	ON	ON	---
OFF	ON	---	ON	---	---

MODE

AM	ON	---	---	---	ON
USB	---	ON	---	---	ON
LSB	---	---	ON	---	ON
ISB	ON	---	---	ON	ON
CW	ON	ON	---	---	ON
FSK	---	ON	ON	---	ON
FAX	ON	---	ON	ON	ON

TABLE I CONTROL CODES

DATE		TMC SPECIFICATION NO. S		①
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TABLE II

SWITCHES

INDICATORS

S1	S2	S3	S4	S5	S1 THRU S5	FAULT	READY	OVLD	HV ON	LOCAL
ON	-	-	-	-	-	ON	-	-	-	-
-	ON	-	-	ON	-	-	ON	-	ON	-
-	-	ON	-	-	-	-	-	ON	-	-
-	-	-	ON	-	-	-	-	-	-	ON
-	-	-	-	ON	-	-	-	-	ON	-
-	-	-	-	-	ON	-	-	-	-	ON

TABLE II Readback Indicators

DATE _____
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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: _____

