

DATE 11/30/54
SH. 1 OF 6
COMPILED BY

TMC | SPECIFICATION NO. S - 179

TITLE: TESTING OF THE MODEL RSP-5 FOR PRODUCTION

JOB 170

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COMPLETE INSTRUCTIONS FOR THE PRODUCTION TESTING OF THE
MODEL RSP-5

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1. PURPOSE AND DESCRIPTION:

The RCR system consists of a number of different units and repetitions of these units, each performing a particular function. It is the purpose of the RSP-3 to act as a universal device which can, with only one exception, supply any of these units with plate and filament power.

2. TEST EQUIPMENT REQUIRED:

- (a). D.C. and A.C. voltmeter: Hewlett-Packard 410 B or equivalent.
- (b). Jones Plug: P308CCT
- (c). Load: 2 - 10,000 ohm, 20 watt wire wound resistors.
- (d). Terminal strip: Jones Type 8-164 or 8-164 Y.

3. GENERAL INSTRUMENT LAYOUT:

Refer to Fig. 1.

4. INITIAL RAPID CHECK:

- (a). Set and maintain the line potential at 115 V. throughout the entire test.
- (b). Be sure that proper fuses have been installed and that spares have also been included.
- (c). Observe if the pilot light is on.

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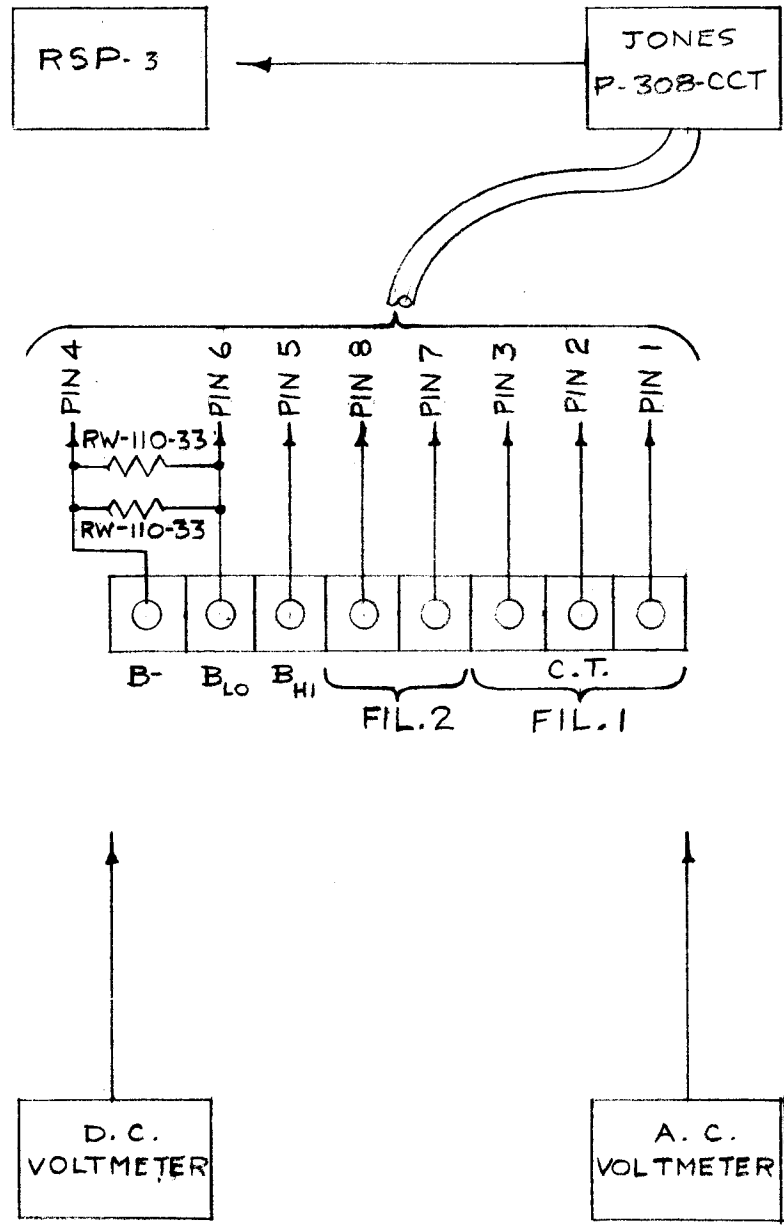


FIGURE 1.

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5. TEST INSTRUCTIONS:

- (a). Proceed as outlined in Test Sequence and procedure (Part 6, to follow).
- (b). Fill in blanks on Report Sheet, rejecting those units which do not meet the specifications stated herein.
- (c). Sign Report Sheet and submit it to your supervisor.

6. TEST SEQUENCE AND PROCEDURE

(a). Test 1 -- B/Low check:

Measure the D.C. potential between points B - and B/Low.
Accept values between 280 and 330.

(b). Test 2 -- B/High check:

Measure the D.C. potential between points B - B/High.
Accept values between 280 and 330.

(c). Test 3 -- Fil. 1 check:

Measure the A.C. potential of Fil. 1. Accept values between 6.4 and 6.8 V.

(d). Test 4 -- Fil. 2 check:

As in (c) but for Fil. 2.

(e). Test 5 -- Service Connection

Jumper pins 3 and 8 together and measure the voltage at pins 1 and 7. Shall be between 12.8 and 13.6. Remove jumper.

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REV: C

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SHEET

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OF

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TITLE:

TEST DATA SHEET for MODEL RSP-3

Para. Mfg. No. _____ Serial No. _____

4.a. LINE VOLTAGE----- VAC(115V)

6.a. 1. B Low----- VDC(280-315V)

6.b. 2. B High----- VDC(280-330V)

6.c. 3. Filament #1----- VAC(6.4-6.8V)

6.d. 4. Filament #2----- VAC(6.4-6.8V)

6.e. 5. Service Connection----- VAC(12.8-13.6V)

TESTER _____

DATE _____

