DATE 11/11/1959 SH. 1 OF 6 COMPILED BY R.W.T.	TMC SPECIFICATION NO. S - 10029	
	TITLE: PRODUCTION TESTING OF MODEL CARP-1	JOB
APPROVED R.W. Thomas.		1 Sv-C/

INSTRUCTIONS FOR THE

PRODUCTION TESTING

OF THE

MODEL CARP-1

DATE 11/11/59 SH. 2 OF 6 COMPILED BY R.W.T.	TMC SPECIFICATION NO. S - 10029	
	TITLE: PRODUCTION TESTING OF MODEL CARP-1	JOB
APPROVED R.W.T.		DVC

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Schematic Diagram CK-10335

DATE 11/11/59 SH. 3 OF 6 COMPILED BY R.W.T.	TMC SPECIFICATION NO. S - 10029	
	TITLE: PRODUCTION TESTING OF MODEL CARP-1	JOB
APPROVED R.W.T.		

1. TEST EQUIPMENT REQUIRED

1.1. Avometer Model 8

1.2. Power supply 48 VDC 100 mA.

1.3. Power supply 6 VAC 10A.

1.4. Rheostat 1 ohm, 60 watt.

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

November 11, 1959 S-10029

Sh. 4 of 6 Sheets

Compil d by R.W.T.

2. CONNECTION OF TEST EQUIPMENT

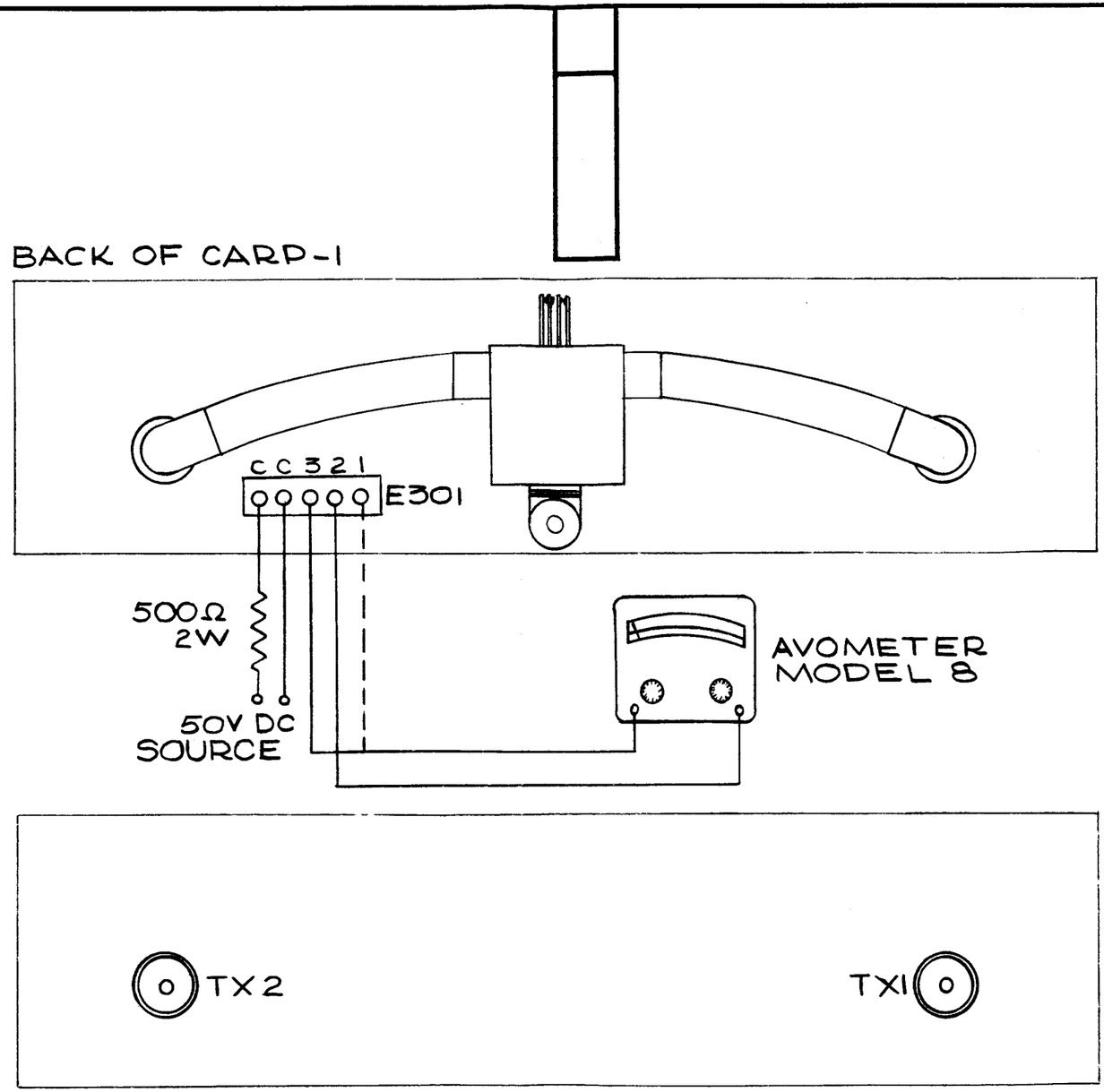

FIG 2.1 THIS DIAGRAM REFERS TO SECTION 3.2

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES		SCALE: NTS
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

CARP-1	CE5004A		NOV. 10/59
MODEL	PROJECT NO.	ASS'Y. NO.	DATE
USED ON			

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL | WEIGHT PER PC.

TYPE & TEMPER

HEAT TREAT. SPEC.

FINISH & SPEC. NO.

TMC (Canada) LIMITED
OTTAWA ONTARIO

CONTINUITY TEST

PROD. TEST SPEC. CARP-1

DRAWN	ELEC. DES. APP.	MECH. DES. APP.
JPC	R.W. Thomas.	
CHECKED	FINAL APPROVAL	
LDC M		

FORM — 128

TMC SPECIFICATION NO. S - 10029

TITLE: PRODUCTION TESTING OF MODEL CARP-1

JOB 1500

3. TEST PROCEDURE

3.1. Preliminary inspection

3.1.1 Inspect unit for assembly and wiring errors.

3.1.2 Check that all screws are tight.

3.1.3 Check that relay spring set and armature are undamaged.

3.1.4 See that coaxial connectors and terminals are screw d up tight.

3.2. Continuity test

3.2.1 Set the Avometer to the ohms ÷ 100 range and check that there is:

a) a s.c. between terminals 1 & 2 on terminal board E301

b) an o.c. between terminals 2 & 3 on terminal board E301

c) a s.c. between the inner of coax connector marked "ANT" and connector marked "TX2".

d) an o.c. between the inner of coaxial connector marked "ANT" and connector marked "TX1"

e) no s.c. between any terminal on E301 or any coaxial inner and the panel.

3.2.2 Now apply a 50 V.D.C. supply via a 500 ohm resistor (10F 500 WLC) to terminals "C" & "C" on E301 and check that the relay operates. Check also that ther is:

a) an o.c. between terminals 1 & 2 on terminal board E301.

b) a s.c. between terminals 2 & 3 on terminal board E301

c) an o.c. between inner of coaxial connector "ANT" and connector marked "TX2".

d) a s.c. betwe n inner of coaxial connector "ANT" and inn r of coaxial connector "TX1"

) no s.c. between any t rminal on E301 or any coaxial inner and the panel.

3.3. Power test

a) Pass a current of 8 A. A.C. through the Avometer (set to 10 A range), a rheostat and the coaxial inners "ANT" and "TX1" in series and observe the voltage drop between "ANT" and "TX1". This should not exceed 0.1 V.

b) De-energise the relay and pass the 8 A alternating current next through coaxial inners "ANT" and "TX2". Again check that the voltage drop between "ANT" and "TX2" does not exceed 0.1 V.

NOTE: s.c. = short circuit

o.c. = open circuit