

DATE <u>13/11/1959</u>	<b>TMC SPECIFICATION NO. S - 10032</b>	
SH. <u>1</u> OF <u>6</u>		
COMPILED BY <u>R.W.T.</u>	TITLE: PRODUCTION TESTING OF SYSTEM CRTC-2 - CDTC-1	JOB
APPROVED <u>R.W. Thomas.</u>	<u>See</u>	

INSTRUCTIONS FOR THE  
  
PRODUCTION TESTING  
  
OF THE  
  
SYSTEM CRTC-2, CDTC-1

DATE 13/11/59

SH. 2 OF 6

COMPILED BY  
R.W.T.

# TMC SPECIFICATION NO. S - 10032

TITLE: PRODUCTION TESTING OF SYSTEM CRTG-2, CDTC-1

JOB

APPROVED *R.W.T.*

*JMC*

## I N D E X

	<u>PAGE</u>
1. Test equipment required	3
2. Connection of test equipment	4
3. Test procedure	5
3.1 Preliminary inspection	5
3.2 Functional tests	5
3.3 Power tests	5
Block schematic diagram	CK-10332
Interconnection diagram	CK-10333

DATE 13/11/59  
SH. 3 OF 6  
COMPILED BY  
R.W.T.

TMC SPECIFICATION NO. S - 10032

TITLE: PRODUCTION TESTING OF SYSTEM CRTG-2, CDTC-1 JOB

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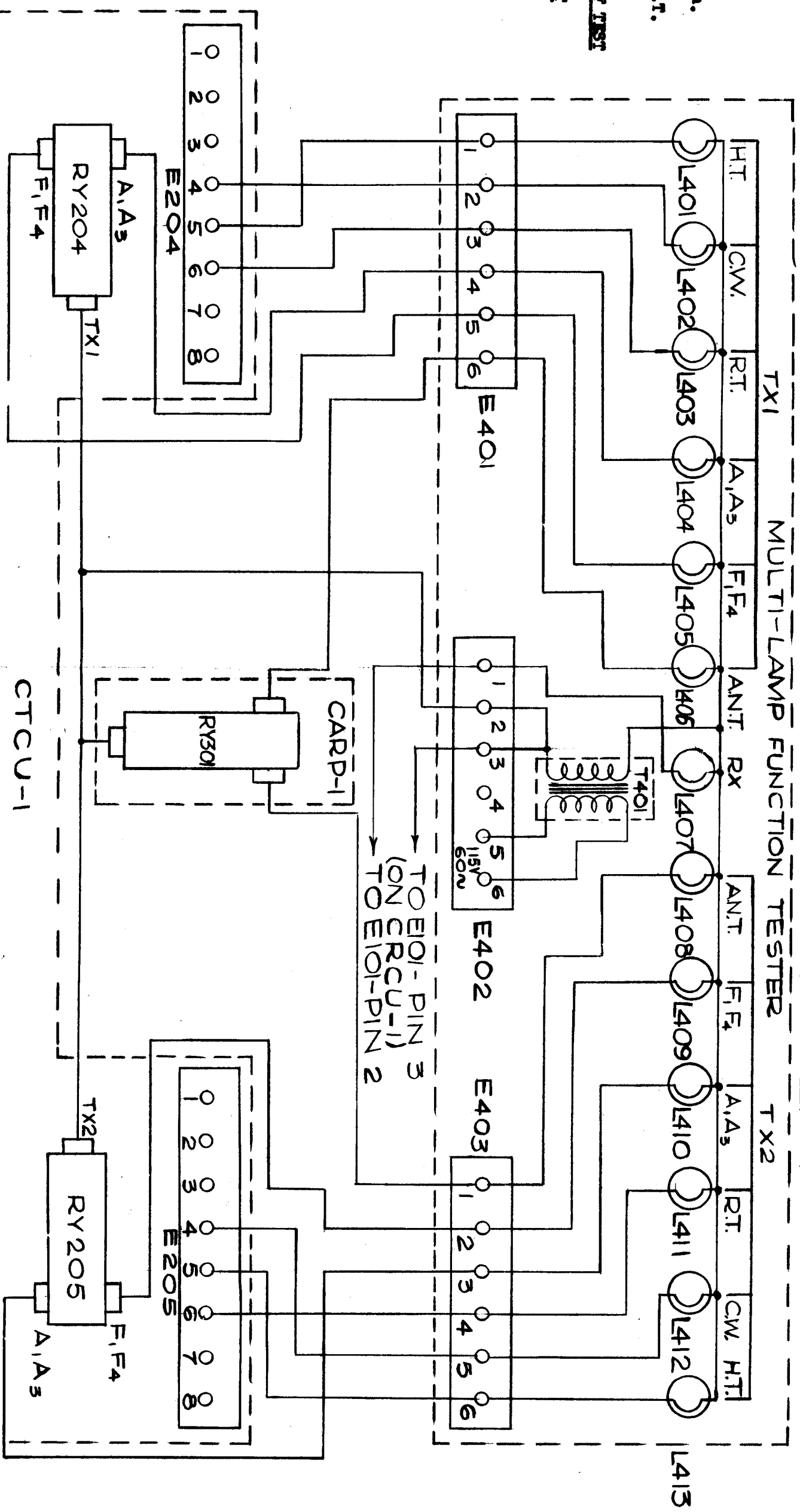
1. TEST EQUIPMENT REQUIRED

- 1.1 Multi-lamp function tester.
- 1.2 Two GPT-750 Transmitters.
- 1.3 One PCA-1.
- 1.4 One 52 ohm R.F. load.
- 1.5 Interconnecting wires and cables.
- 1.6 Two XFK units.

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

13/11/1959  
 Sh. 4 of 6 Sh.  
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**2. CONNECTION OF TEST EQUIPMENT**



**2. CONNECTION OF TEST EQUIPMENT**

TX1 MULTI-LAMP FUNCTION TESTER TX2

NOTE: MAKE REMAINING CONNECTIONS BETWEEN UNITS CRCU-1, CTCU-1 & CARD-1 ONLY, IN ACCORDING WITH CR10333.

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.	
TOLERANCES								
SCALE:								
DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.								
ALL OTHERS	DEC. DIM. ±	FRACTIONAL DIM. ±	ANGULAR DIM. ±					

MODEL	PROJECT NO.	ASSY. NO.	DATE
CE5004-A			NOV.11/59
USED ON			

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		TMC (Canada) LIMITED OTTAWA ONTARIO	
TEST CONNECTIONS			
FOR DOT REMOTE CONTROL			
TYPE & TEMPER	JPC	R.W. Thomas	
MATERIAL	BCMV	DES. APP.	
STOCK SIZE		CHK. DES. APP.	
WEIGHT PER PC.		FINAL APPROVAL	
HEAT TREAT. SPEC.			
FINISH & SPEC. NO.			

DATE 13/11/59

SH. 5 OF 6

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TITLE: PRODUCTION TESTING OF SYSTEM CRTG-2, CDTC-1 JOB

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3. TEST PROCEDURE

3.1 Preliminary inspection

3.1.1 Inspect system for interconnection errors.

3.1.2 Check that all terminal screws are tight.

3.2 Functional tests

3.2.1 Switch CONTROL SELECTOR to "local" and check that the lamps corresponding to the various switch positions on CTCU-1 light in accordance with the switch positions and key position etc. Note that TRANSMITTER SELECTOR is inoperative with H.T. ON.

3.2.2 Switch CONTROL SELECTOR to REMOTE and check that the lamps light in accordance with the switch positions on CRCU-1. Note that TRANSMITTER SELECTOR must not be operated too rapidly or no change will occur and the CRCU-1 indication will be erroneous.

3.2.3 Connect a pair of high impedance earphones between terminals 1 and 3 of E204 on CTCU-1 and make sure that the H.T. switches are "ON" and TRANSMITTER SELECTORS set to TX1 on both CRCU-1 and CTCU-1. Check that audio is heard in the phones when the dynamic mike switch is pressed on REMOTE CONTROL and when the carbon mike switch is pressed on LOCAL CONTROL.

3.2.4 Repeat the check at terminals 1 and 3 of E205 on CTCU-1 with the TRANSMITTER SELECTORS set to TX2.

3.3 Power tests.

3.3.1 Take two healthy TMC GPT-750 transmitters and connect up the system according to CK-10333. Connect up the coaxial relays on the CTCU-1 as shown in CK-10337.

DATE 13/11/59

SH. 6 OF 6

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Take the outputs from the two transmitters to RY301 on CARP-1 and the ANT socket of this relay to a dummy load.

Operate all switches and check for correct transmitter operation and selection, paying special attention to modulation.