DATE 2.3	ebruary 1965 	TMC SPECIFICATION NO. S 889		
W-M COMPILED	FCE CHECKED	TITLE:		
208	over 1	15/45		

RTTD TEST PROCEDURE

DATE 2 February 1965 SHEET 1 OF 10		TMC SPECIFICATION NO.	s ⁸⁸⁹	0
W-M COMPILED	CHECKED	TITLE: RTTD TEST PROCEDURE		
APPROVED		SS		

I. EQUIPMENT REQUIRED

- A. 1 RTTD Test Set
- B. 1 Multimeter, Simpson Model 260
- C. 1 RTTD Manual Programmer

II. INSPECTION

The RTTD has been inspected by the Inspection Department, therefore, extensive inspection is not necessary. However, before applying power to the unit it should be visualy checked for broken components, broken wires and correct fuses.

III. RESISTANCE MEASUREMENTS

With the AC Power Cable DISCONNECTED, turn on the DECODER READY switch on the Decoder. All resistance measurements are made with the switch in this position.

- A. C 4010 + to Ground 33 ohms
- B. C 4010 + to S 4001-7-18 ohms
- C. + 4001-1 to Ground Inf.
- D. + 4001-1 to + 4001-3 B 1 ohm
- E. T 4001-5 to Ground 50 ohms

IV. CONNECT THE TEST SET AND PROGRAMMER TO THE RTTD

- A. The plug numbers on the Test Set Cables mate with the jack numbers on the Decoder.
- B. The plug numbers on the Programmer Cable mates with the jack number on the Decoder.
- C. Connect the AC Power Cable to J 4008 on the Decoder.

V. ENERGIZE THE DECODER

- A. Turn OFF the DECODER READY switch on the Decoder and turn ON the DECODER READY switch on the Programmer. The DECODER READY indicator will light. Turn the TIME DELAY OVER-RIDE switch to ON.
- B. Press the DECODER ENERGIZE switch on the Programmer. The PROCESS indicator will light. The TAPE ADVANCE indicator will flash every time K 4008 in the Decoder de-energizes.

DATE 2 February 1965 SHEET 2 OF 10		TMC SPECIFICATION NO. S 889			
WW.	CHECKED	TITLE:	RTTD TEST PROCEDURE		
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VI. ADJUST THE TIME DELAY CIRCUIT

- A. Turn the TIME DELAY OVER-RIDE switch on the Programmer to OFF. Adjust R 4024 in the Decoder for a 30 second time delay.
- B. Turn the TIME DELAY OVER-RIDE switch to ON after making the adjustment, this will keep the Decoder energized after the Time Delay Relay activates. Turn on the DE-ENERGIZE OVER-RIDE switch, this will keep the Decoder energized when the Master Ledex passes the stop position (Bit #1 E Code) these switches must be on to permitt uninterupted testing of the Decoder.

VII. OPERATION OF PROGRAM SWITCH

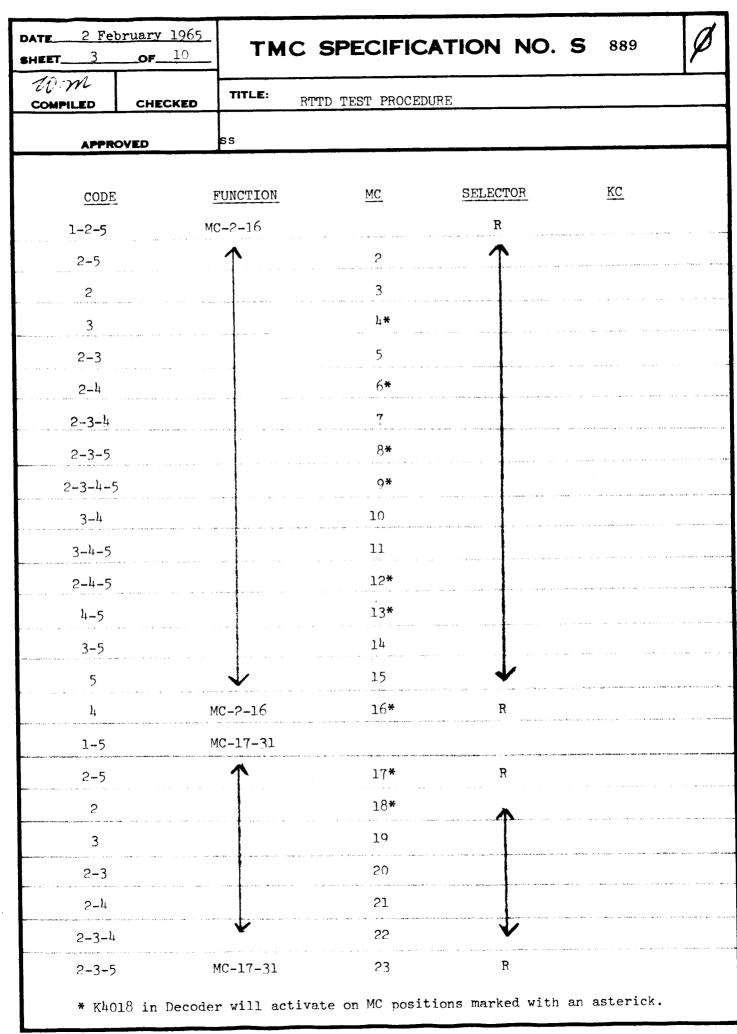
The Program switch consists of 7 push button switches. The first five, marked 1 through 5, are the Bit switches -1 through 5 respectively. The green switch is the Program Read switch. This switch feeds the selected bits into the Decoder. The Program Read indicator will light when this switch is activated. The Red switch is the cancel switch. This switch cancels any information on the Program Bit switches without feeding the information into the Decoder.

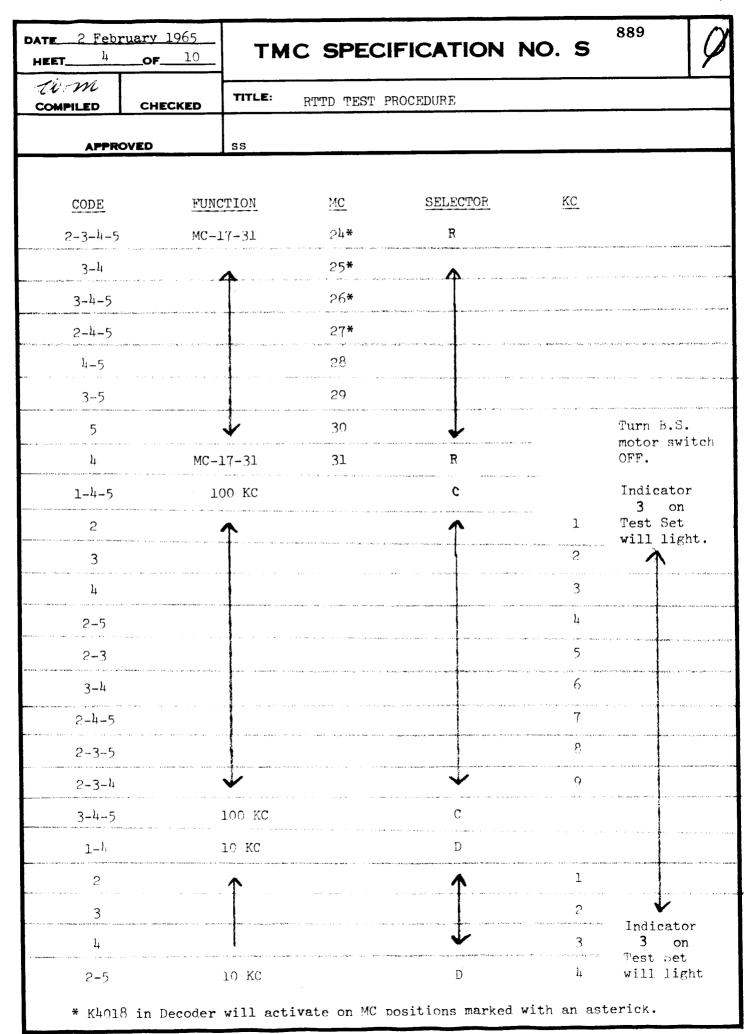
VIII. CHECK THE ADVANCE AND TONE COMPLETE CIRCUITS

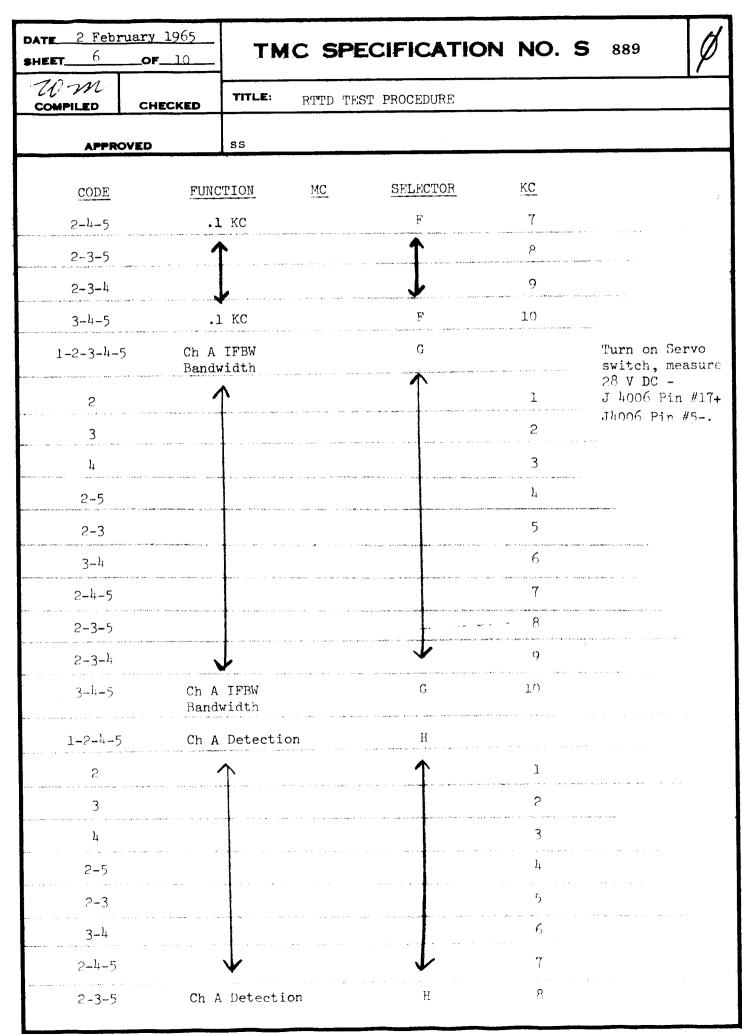
- A. The TUNE COMPLETE #2 indicator will light when the Decoder is energized, and will remain on as long as K 4006 is energized.
- B. The TUNE COMPLETE #1 indicator will light when the Decoder is de-energized automaticly with Bit #1, with the DECODER DE-ENERGIZE switch ON.
- C. The ADVANCE #1 indicator will light when K 4008 de-energizes.
- D. The ADVANCE #2 indicator will light when K 4008 energizes.

IX. CHART FOR MANUAL PROGRAMMING OF DECODER

The following chart is used to check the Ledex Drive output circuits and the additional functions that start in the Decoder during the tuning sequence







889 3 February 1965 TMC SPECIFICATION NO. S OF__10 SHEET_ win TITLE: RTTD TEST PROCEDURE COMPILED CHECKED APPROVED SS CODE FUNCTION MC SELECTOR KC 2-3-4 9 Ch A Detection Η 3-4-5 Ch A Detection 10 Turn off Servo Switch. 1-3-4 Ch B IF Ι Bandwidth Energize and de-energize K4011 3 with switches 2 and 3. 2-5 2 - 33-4 2-4-5 2-3-5 2-3-4 3-4-5 Ch B IF Ĭ 10 Bandwidth 1-2-3-4 Ch B Detection 5 3 2-5 2-3 3-4 2-4-5 2-3-5 2-3-4 Ch B Detection 10

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APPR	OVED					
			TEST DATA SHEET			
Seri	al No					
		1.	Resistance Measurements Mechanical Insp. OK			
			cedure			
		2. 3. 4. 5. 6.	Tape Adv. Time Delay Adj. sec. time ØK Tune Complete #2 OK Tune Complete #1 OK Advance #1 OK Advance #2 OK Functions OK			
			A. 2-16 MC B. 17-32 MC C. 100 KC OK D. Band Switch Motor OK F. 1 KC OK G. 1 KC OK H. CH A 1FBW OK J. CH A Det. K. CH B 1FBW CK L. CH B Det. OK M. K4011 N. AFC On-Off O. RF Gain P. Spare #2 R. Spare #3 OK			
Test	e r					
Date)					

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