

DATE 12/7/55SH. 1 OF 2

TMC

SPECIFICATION NO. S-282

COMPILED BY
ARB GTO

TITLE: MODIFICATION OF FFRD 5-6-7-8

JOB

APPROVED G.T.O.

Purpose: Modification of Reactance Tube circuit to meet all shift requirements. For the purpose of clarification the required shift on each of the Tuning Drawers is:

- (a) FFRD- 5&6 1/2 kc/mc. for a total control voltage of 9 volts. (\pm 1.5 volts)
- (b) FFRD-7 3 kc/mc.
- (c) FFRD-8 Minimum of 32 kc.

1. Modification of FFRD-5

- a. C 539 deleted
- b. C525 changed to **CC26SL101K**
- c. L 501, CL-108-2 added in place of R522
- d. R 520 changed to RC20GFH72K

2. Modification of FFRD-6

- a. C 625 changed to **CC-101-7**
- b. L 601 CL-108-8 added, was R622
- c. R 620 changed to RC20GF392K

3. Modification of FFRD-7

- a. C725 changed to **CC-101-5**
- b. L701 CL-108-2 added was R722.

4. Modification of FFRD-8

Originally modified as per S 234.

THIS SPECIFICATION DOES NOT SUPERCEED EXISTING SPECS. BUT MERELY ADDS TO THEM.

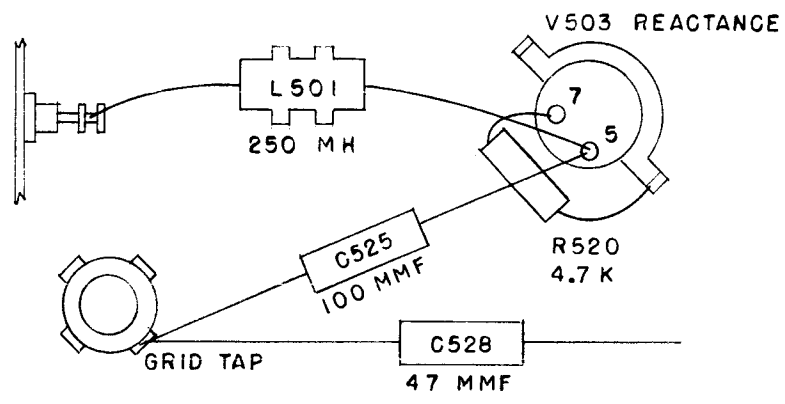


FIG. 1

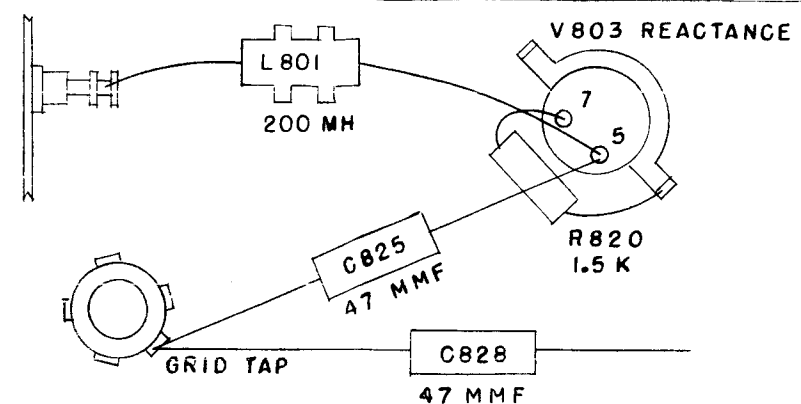


FIG. 4

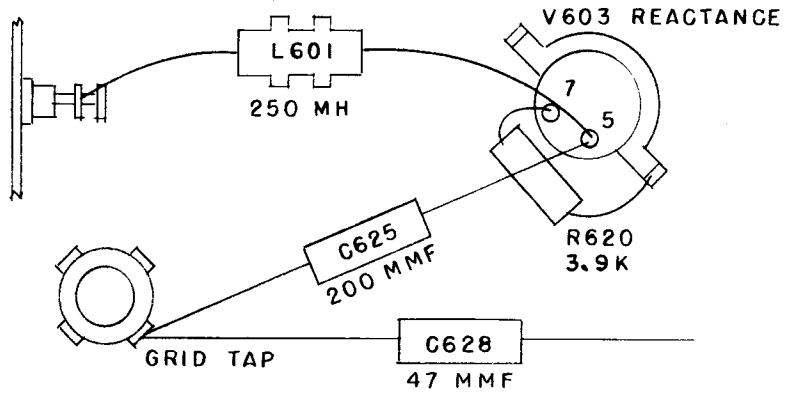


FIG. 2

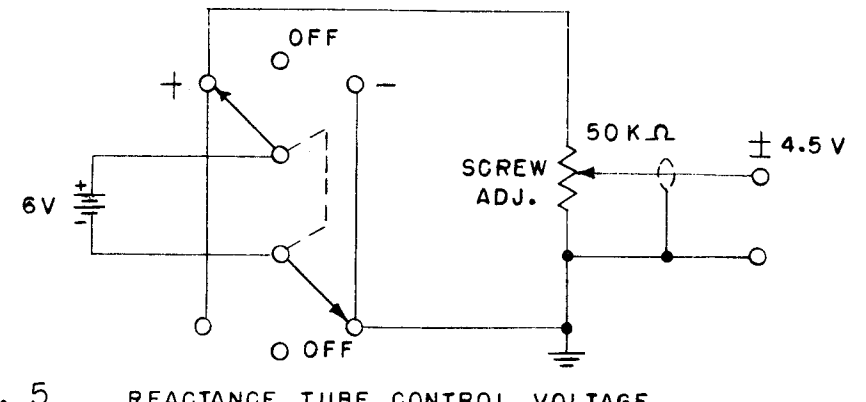


FIG. 5 REACTANCE TUBE CONTROL VOLTAGE

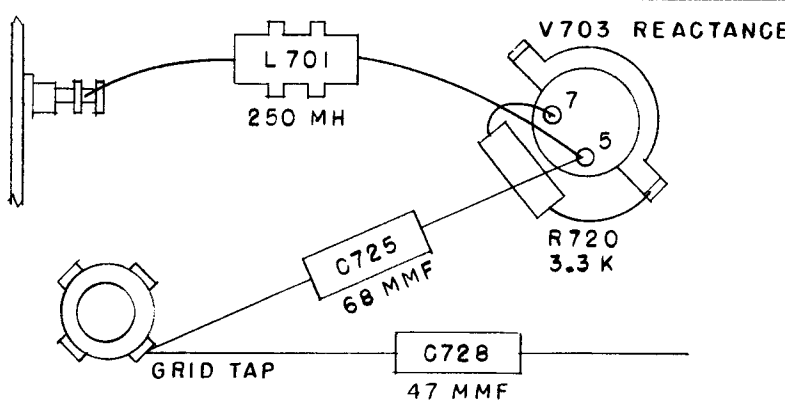


FIG. 3

FIG. 6

TUNING DRAWER				V O X		
NO.	TOTAL FREQ SHIFT / MC	FREQ MC	TOTAL SHIFT	FREQ MC	MULT	FREQ OUT MC
5	4 KC/MC	2 MC	8 KC	2	1	2
		3 MC	12 KC	3	1	3
		4 MC	16 KC	4	1	4
6	4 KC/MC	4 MC	16 KC	2	2	4
		6 MC	24 KC	2	3	6
		8 MC	32 KC	2	4	8
7	3 KC/MC	8 MC	24 KC	2	4	8
		12 MC	36 KC	2	6	12
		16 MC	48 KC	2	8	16
8	MIN SHIFT OF 32 KC THROUGHOUT THE BAND	16 MC	32 KC	2	8	16
		24 MC	32 KC	2	12	24
		31 MC	32 KC	2	16	32

NOTICE TO PERSONS RECEIVING THIS DRAWING

THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material shown herein. This drawing is loaned in confidence and the information only and may not be reproduced or used to manufacture anything shown here without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.

Property of:
THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE:					
DEC. DIM. ±		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					
FRAC. DIM. ±							
ANGULAR DIM. ±							

REQ. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE
USED ON				

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
STOCK SIZE			
TUNING DRAWER MODIFICATION			
FOR FFR-2			
MATERIAL		CDD 12-14-55	JAR
TYPE & TEMPER		HEAT TREAT. SPEC.	GT.O
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.