TMC SPECIFICATION				NO. S 1247
REV: ~~Ø~~ A B				
COMPILED: VG	CHECKED: S.R.	APPD:		SHEET OF
TITLE:				
11/22/68 jb/				

INSTALLATION PROCEDURE
for
KIT - 322

TMC SPECIFICATION			NO. S 1247
REV: Ø A B			
COMPILED: VG	CHECKED:	APPD:	SHEET 1 OF 8

TITLE: INSTALLATION PROCEDURE FOR KIT 322

(Consists of KIT 321 and the following Parts)

I. EQUIPMENT EFFECTED:

A. GPT-40K

II. PURPOSE:

To suppress residual noise emitted by transmitter during standby.

III. MATERIALS SUPPLIED IN KIT:

Item	TMC Part No.	Qty.	Description
1	KIT 321	1	
2	TM-102-4	1	Terminal Strip
3	NS3W0106	1	Stand-off, Porcelain
4	MS-5446	1	Mtg. Plate (Ter. Strip)
5	PX-336-4	1	Insulator (Ter. Strip)
6	MS-154-1	2	Plate, Straddle
7	CA-1474	1	Cable, Relay Connect
8	CA-452-2	1	Cable, Bias Supply to Strip
9	CA-452-3	1	Cable, Strip to Aux. Fr.
10	TE-120-2	6	Lug, Spade Type
11	PX-574	1	Bd. Relay Mtg.
12	PX-572	1	Bd. Relay Mtg. Insul
13	RL-124	1	Relay
14	SCBP0440BN9	4	Screw, Machine
15	FW04LBN	4	Washer, Flat
16	LWE04MRN	4	Lockwasher, Ext.
17	NTH0440BN8	4	Nut
18	SCFP0632BN5	4	Screw, Machine, Flat
19	PX-100-1-.125	3"	Insulation, Tubing
20	CU-142-6	20	Tie-Wraps
21	WL-100-7	6"	Buss-Wire
22	SCBP0440BN10	4	Screw, Machine
23	NTH0440BN8	4	Nut
24	LWS04MRN	4	Lockwasher, Split
25	WA-101-3	2	Washer, Fibre
26	TE-104-2	1	Lug, Solder Terminal
27	SM0632BN.500	1	Stud
28	NP362-46	1	Nameplate

IV. TOOLS REQUIRED:

1. Screw Driver, Phillips
2. Screw Driver, Blade
3. 5/16 Open End Wrench
4. Drill Motor & 9/64 Drill Bit or means for drilling Relay Mtg. holes (Fig. 1)
5. Soldering Iron & Solder
6. Wire Strippers
7. Long Nose Pliers

V. INSTALLATION PROCEDURE

CAUTION - CAUTION - CAUTION

REMOVE ALL AC INPUT TO TRANSMITTER. INSTALL KIT 321 (ITEM 1) BEFORE PROCEEDING WITH MODIFICATION.

1. Pull out 40K bias supply, disconnect inter-connecting cables and remove bias supply from transmitter.

2. Refering to Fig. 3, assemble and mount terminal strip mounting plate in position as shown.

3. Open bias supply connecting plug (P-7105). Using Item 8 as called out in materials supplied, place 1/2 inch of Item 19 on loose ends, solder leads to open Pins "L" and "M" of P7105, White Lead to "L", Black Lead to "M". Push Item 19 into place and secure plug. Dress Item 8 as shown in Fig. 4 securing cable with Item 20 (cable tie-wrap) as necessary and terminate Leads as shown in Fig. 3 using Item 10 (spade lugs).

4. From terminal strip mtg. position (Ref. Fig. 3) connect Item 9(observe matching leads) and route cable through transmitter as shown in Fig. 4. Terminate leads at the rear of unit AX-5031 Terminals 4 and 5 of TB-101. Secure cable using Item 20, as necessary.

TITLE: INSTALLATION PROCEDURE FOR KIT 322

(Consists of KIT 321 and the following Parts)

5. On 40K bias supply drill four relay mounting holes as shown in Fig. 1. Properly assemble relay mounting plates and mount relay

6. Connect Relay (Item 13) using Item 7. Connect leads as shown in Fig. 2, routing cable through center grommet of chassis. Mount terminal tie point to filter assembly using Items 3, 25, 26, and 27. Ref. Fig. 2A

7. Remove Red Lead from Capacitor C-7512 and solder with Red Lead at tie-point (Item 3). Solder Red/White Lead from relay cable to lug terminal of C-7512. Complete wiring as shown in Fig. 2A. Only relay connecting leads are shown in Fig. 2A use 1/2" of Item 19 on Pins "L" and "M".
8. Place 40K bias supply back into slide position and connect all connecting cables. This completes transmitter modification. Affix (Item 28) near transmitter nameplate.
9. Refer to Section VI of KIT 321 for final tune-up procedure of transmitter.

TMC SPECIFICATION				NO. S 1247
REV: Ø A B				
COMPILED: VG	CHECKED:	APPD:	SHEET 4 OF 8	
TITLE:				

KIT 322

40K BIAS SUPPLY (TOP VIEW)

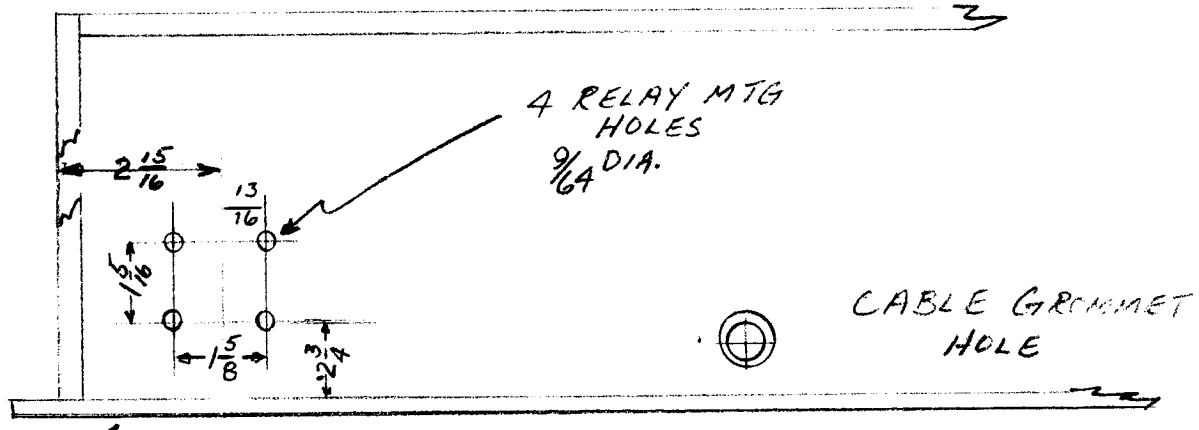
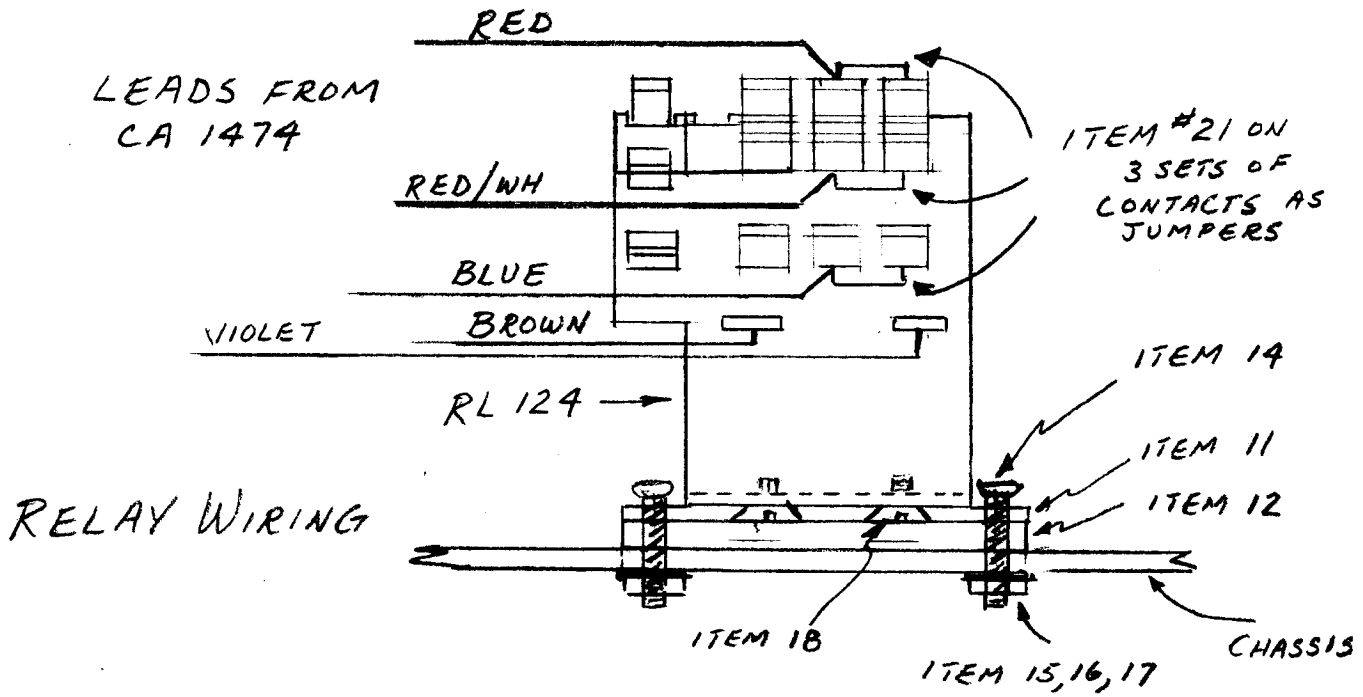


FIG. 1

TMC SPECIFICATION				NO. S 1247
REV: ø A B				
COMPILED: VG	CHECKED:	APPD:	SHEET 5 OF 8	
TITLE: KIT 322				

FIG. 2



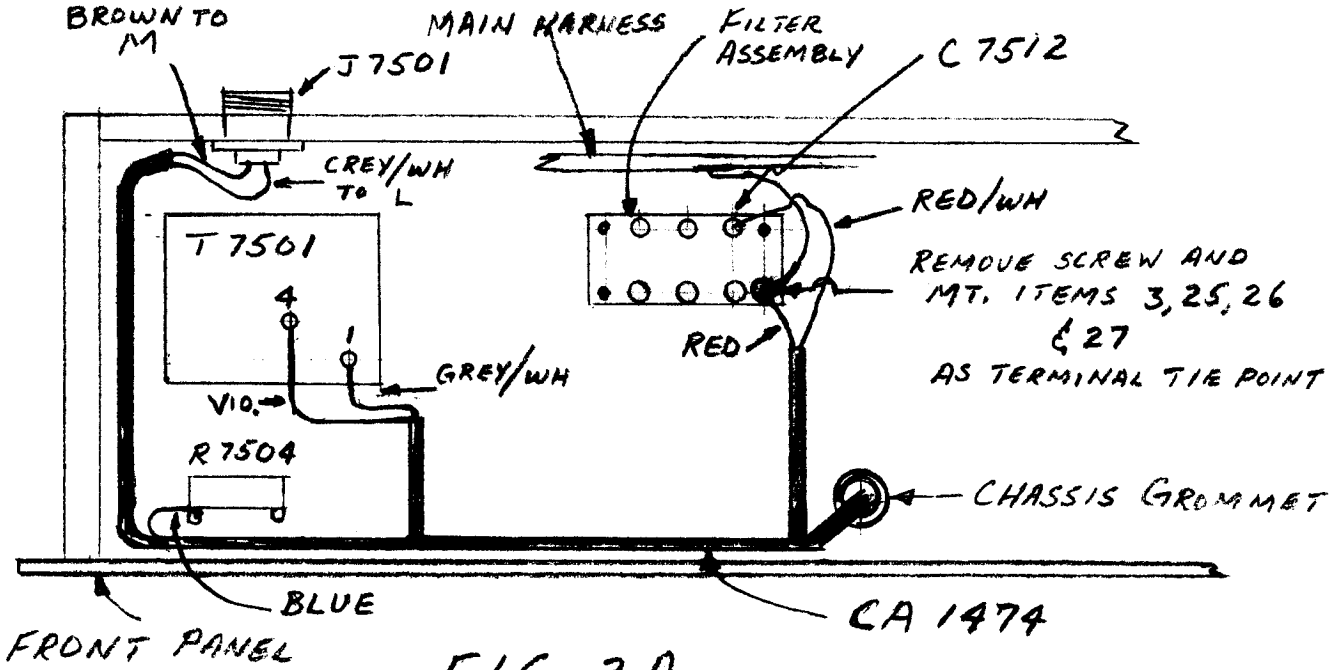


FIG. 2A

BOTTOM VIEW 40K BIAS SUPPLY

ONLY RELAY CONNECT CABLE LEADS SHOWN

TMC SPECIFICATION				NO. S 1247
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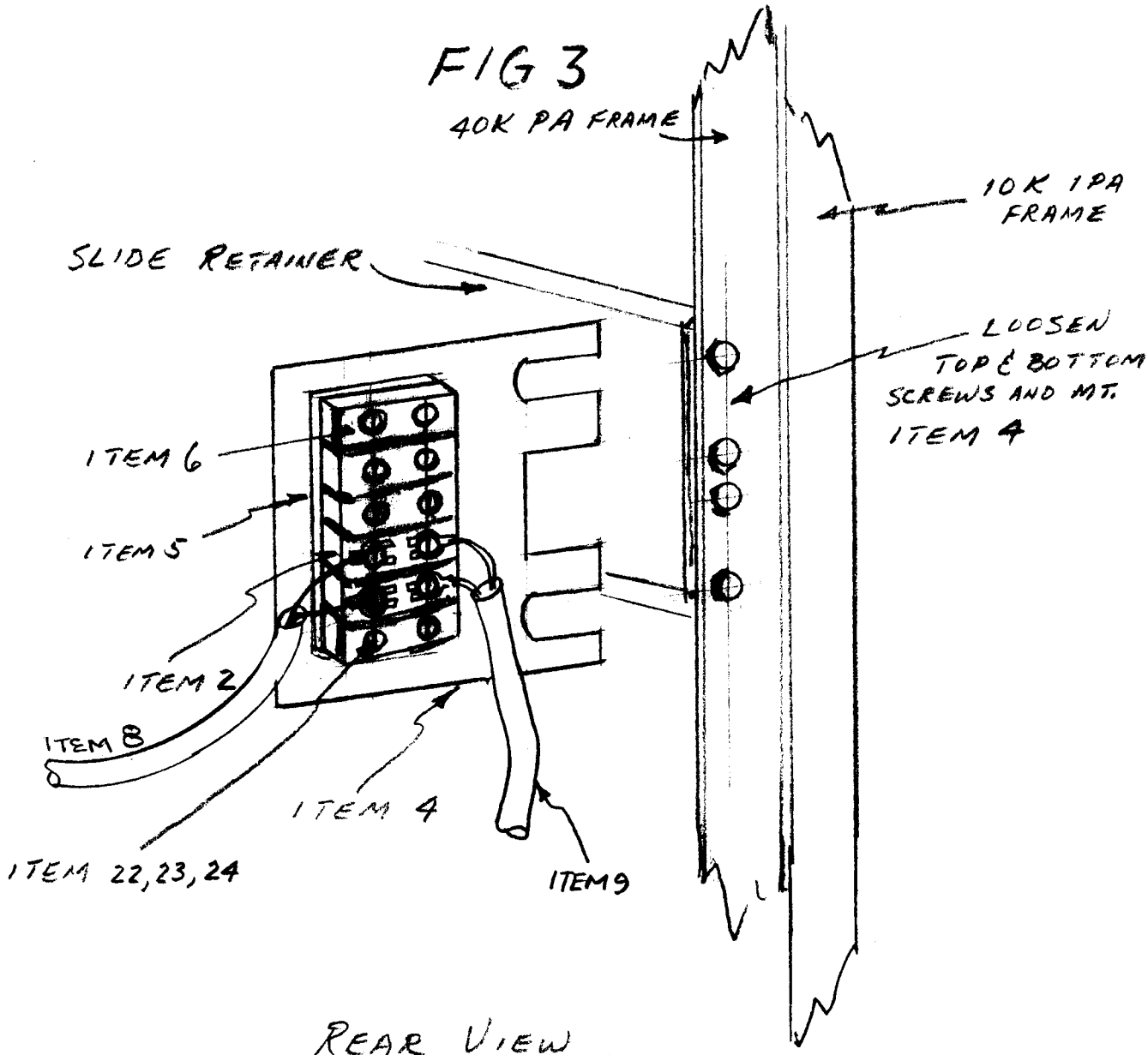
COMPILED: VG	CHECKED:	APPD:	SHEET 6 OF 8	
TITLE:				

KIT 322

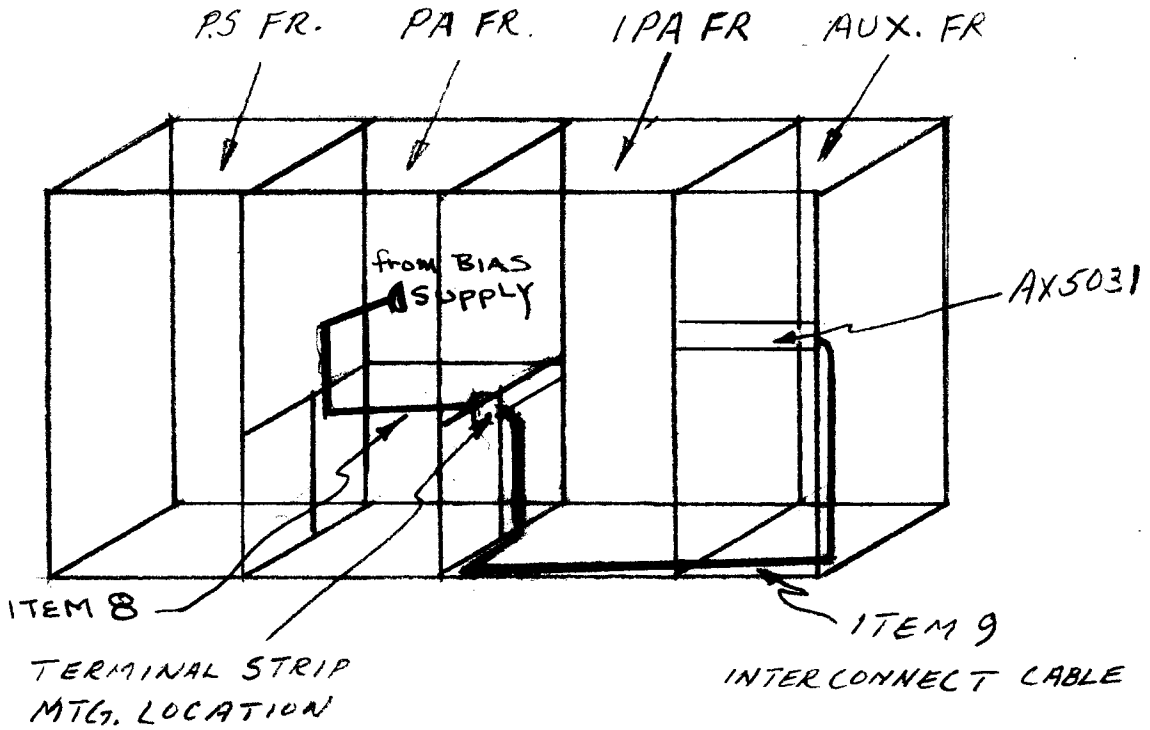
FIG 3



REAR VIEW
40K BIAS SUPPLY (RIGHT SIDE) SLIDE RETAINER

KIT 322

FIG. 4



REAR OF TRANSMITTER

RANDOM ROUTE OF INTERCONNECT CABLE SECURE WITH ITEM 20 AS NECESSARY

TMC SPECIFICATION

NO. S 1247

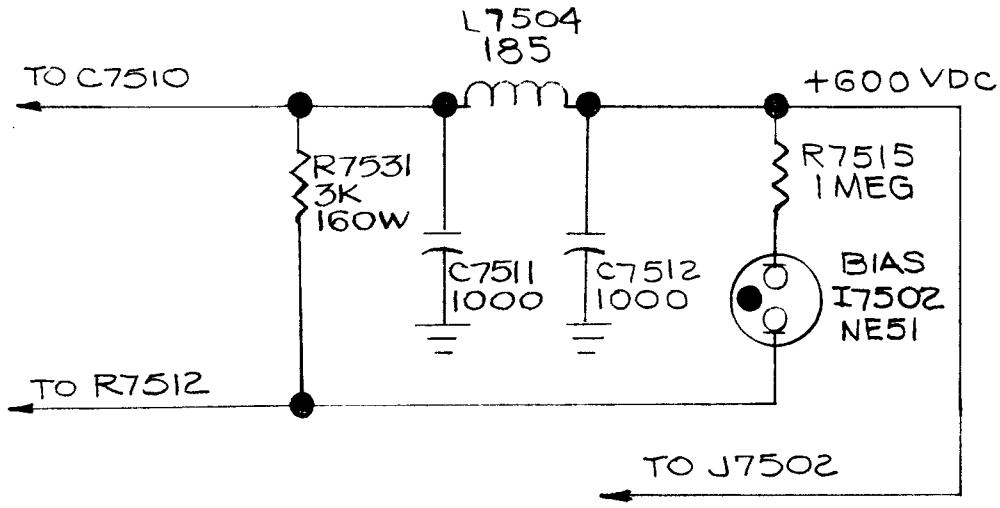
REV:	ø	A	B

COMPILED: VG	CHECKED:	APPD:	SHEET 8 OF 8

TITLE:

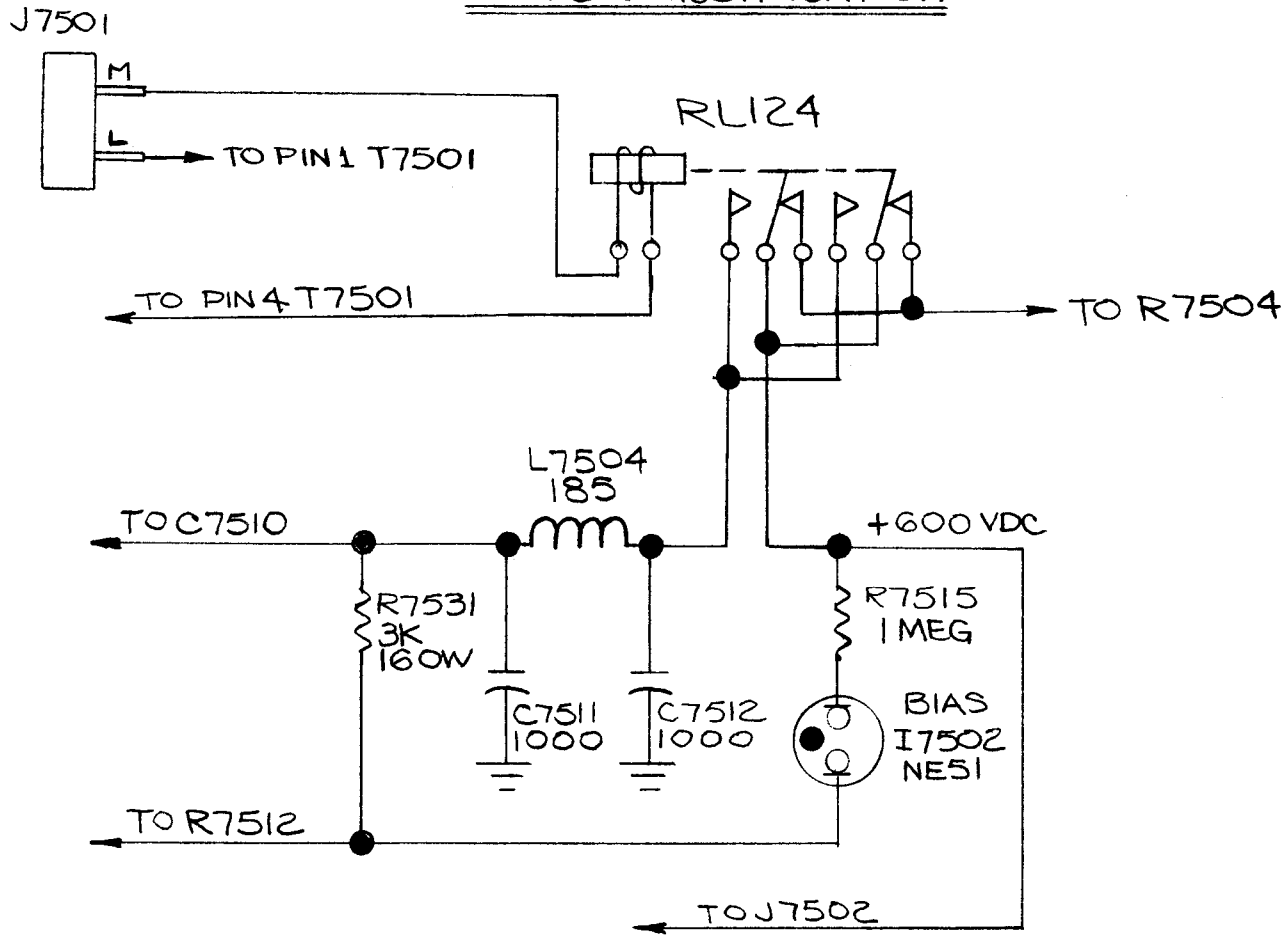
KIT 322

40K BIAS SUPPLY



BEFORE MODIFICATION

AFTER MODIFICATION



REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S 1247
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
1/16/69	Ø			ORIG. RELEASE FOR PRODUCTION	
4/10/69	A		19381	REVISE PER EMN	
4/24/69	B		19495	REVISE PER EMN	

TMC FORM MLR-1 2-65—AINS.