

TMC SPECIFICATION

NO. S 1318

REV:

0

COMPILED:

SO

CHECKED:

A

APPD:

J. De Marco

SHEET

OF

TITLE:

KIT 393

MODIFICATION OF PHASE DETECTOR (PC657/A4931)

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1

OF 3

TITLE: Modification of Phase Detector (PC657/A4931)

I. EQUIPMENT AFFECTED:

RSU-1 Receiver Stabilization Unit

II. PURPOSE:

To stabilize error voltage control

III. MATERIALS REQUIRED:

Table 1 lists the materials supplied with the kit.
Table 2 lists the tools necessary to accomplish this modification. These are standard tools and are not supplied with this kit.

TABLE 1

ITEM	QTY	PART NUMBER	SYM	DESCRIPTION
1	1	RC07GF274J	R28	RES, FXD, COMP
2	1	CC100-44	C25	CAP, FXD, CER
3	1	TE115-1		TERM, TURRET
4	1	NTH0256BN6		NUT, HEX
5	1	LWE02MRN		WASHER, LOCK
6	6	BS100		SOLDER TIN ALLOY

TABLE 2

1. Screwdriver, Phillips
2. Drill motor, 1/4"
3. #42 drill
4. Soldering iron
5. Pliers, Diagonal cutting
6. Pliers, Longnose

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TITLE: Modification of Phase Detector (PC657/A4931)

IV PROCEDURE:

1. Remove bottom cover from RSU-1 Unit.
2. Drill required hole on the Phase Detector (PC657/A4931). board using the #42 drill as shown on drilling plan.
3. Remove four (4) screws holding Phase Detector board to chassis (save hardware).
4. Mount item 3 on Phase Detector board in hole drilled using mounting hardware supplied (item 4 & 5).
5. Unsolder coaxial wire from E2 terminal.
6. Mount item 1 from E2 terminal to standoff (item 3 just installed) and solder end of resistor on E2.
7. Mount item 2 from standoff (item 3) to E3 terminal and solder E3 end of item 2.
8. Connect coaxial wire to standoff (item 3) and solder.
9. Mount the Phase Detector board on chassis using the four screws previously removed.
10. Replace bottom cover, modification is now complete.

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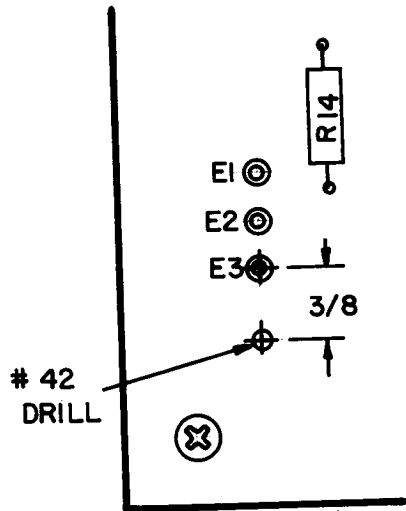
COMPILED:

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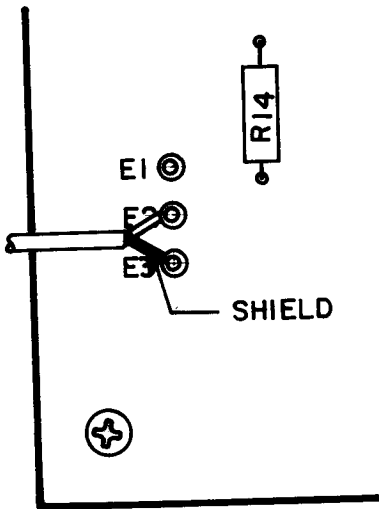
APPD:

SHEET 3, OF 3

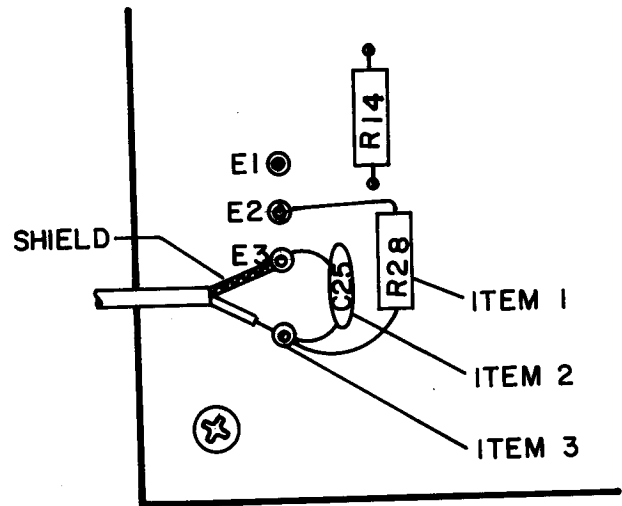
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DRILLING PLAN



BEFORE



AFTER