TMC SPECIFICATION

NO. S - 940

REV: 0A			
COMPILED: JZ	CHECKED:	APPD: 4/20/65	SHEET 1 OF 6.

TITLE:

typed by vab 19 APRIL 1965

KIT-237

MODIFICATION OF MSA-1 TO MSAA-1

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I. EQUIPMENT AFFECTED

A. MSA-1

II. PURPOSE

A. To convert MSA-1 to MSAA-1.

III. MATERIALS SUPPLIED IN KIT

ITEM #	QUANTITY	TMC PART #	DESCRIPTION
1	1	Drill - 3/8	Drill Twist
2	1	Drill - 11/64	Drill Twist
3	1		Center Punch
4	1	TP 113R 1-1/16	Punch and Die 1 1/16
5	4	SCBPØ440BN6	SCR, Mach.
6	2	SCBPØ632BN6	Scr,Mach.
7	4	NTHØ440BN6	Nut, Pln, Hex
8	4	LWEØ4MRN	Wash., Lk, Ext.
9	2	LWEØ6MRN	Wash., Lk, Ext.
10	2	FWØ6HBN	Wash., Flat
11	1	A4211-4	Term, BD
12		DELETED	
13	36"	CD101-1MW	Cord, Nylon, Lacing
14	1	TP131-1-J6544	Stamp Kit
15	1	FX 212	Fil, BP, 2.7 Kc, BW;250KcUSB
16	1	FX 213	Fil, BP, 2.7 Kc, BW;256KcUSB
17	1	FX 214	Fil, BP, 2.7 Kc, BW;250KcLSB
18	1	FX 215	Fil, BP, 2.7 Kc, BW;243KcLSB
19	1	NP362-44	Plate, Ident
20	1	CK981	Diag, Schem
21	1	Stamp-Pad-SZ20	Stamp Pad

IV. MATERIALS REQUIRED BY INSTALLING ACTIVITY

A. 1/2" Electric Drill

B. Soldering Iron

C. #2 Phillips Screw Driver P

D. Simpson 260 or Equivalent, Volt Ohm Meter

V. PROCEDURE

STEP I Add the holes to rear apron of MSA-1 for mounting J6544 and E6502 as indicated in Figure I using items 1, 2, 3, and 4.

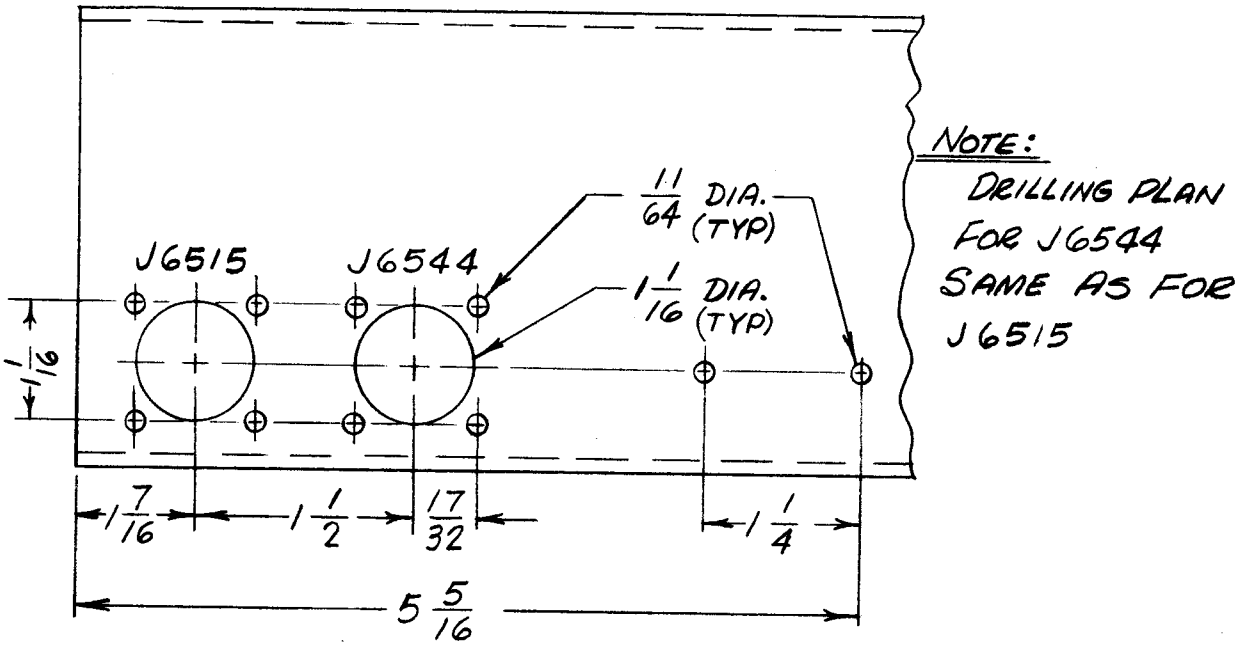

FIGURE 1

STEP II Using hand stamp, item 14, carefully stamp the rear panel as indicated in Figure I.

STEP III Mount connector J6544 & E6502 using items 5, 6, 7, 8, 9, and 10, and lace in the cable CA1076 p/o A42]]-4 using item 13 along the existing cable (CA 861) as indicated in Figure 2.

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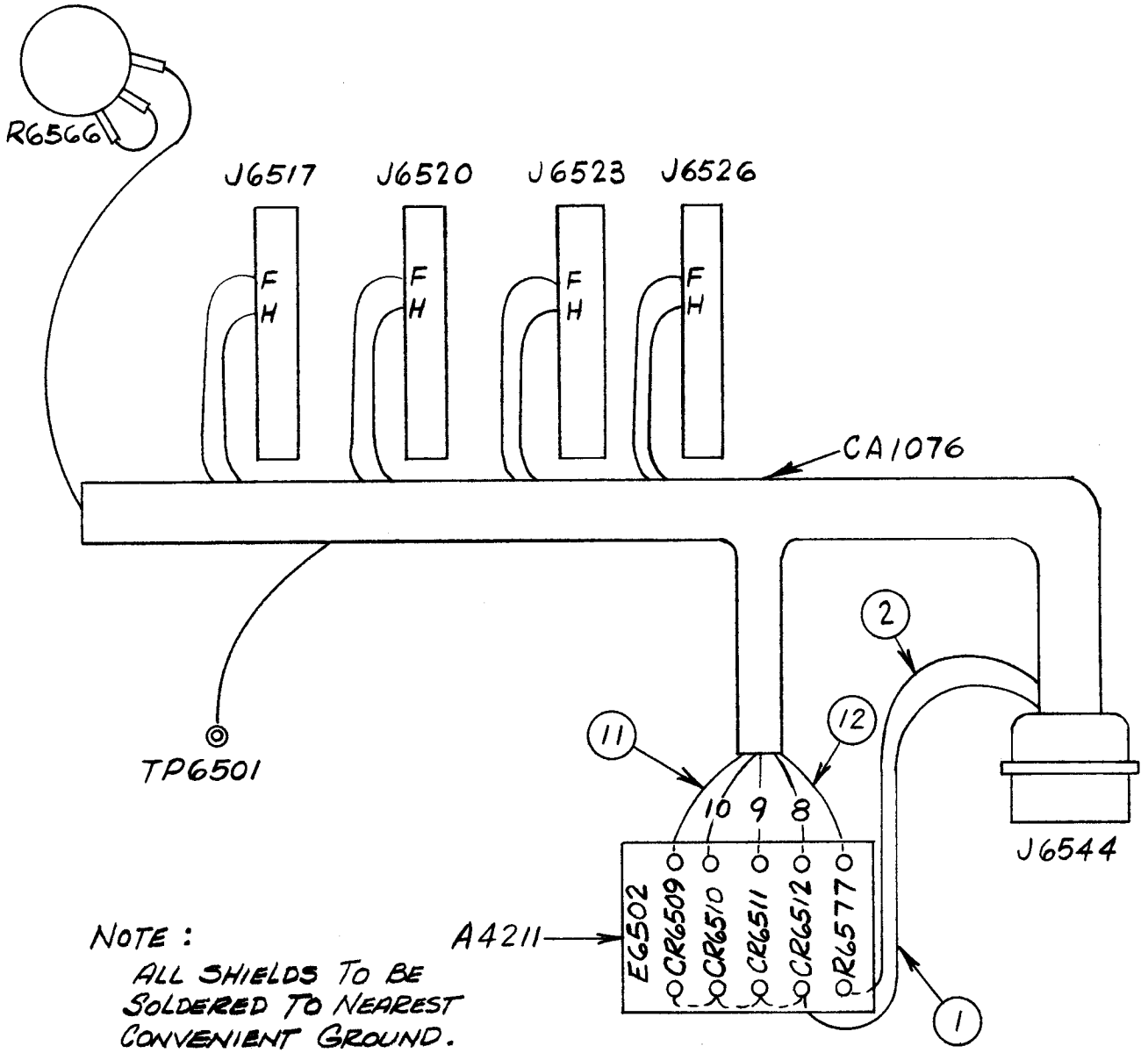

FIGURE 2

STEP IV Using same hardware, and the same wiring

In place of:	Mount:	
FX 186	FX 212	A_1
FX 187	FX 213	A_2
FX 188	FX 214	B_1
FX 189	FX 215	B_2

STEP V Place Item 19 at any convenient place on the front panel.

STEP VI. RESISTANCE TEST OF REMOTE WIRING

All external leads (incl. Power Supplies) must be disconnected.

	POLARITY OF VOM	COMMON LEAD	POSITIVE LEAD	RESISTANCE
1.	Positive Reverse	J6544-K "	J6517-F "	Less than 20 ohms Greater than 1 megohm
2.	Positive Reverse	J6544-K "	J6520-F "	Less than 20 ohms Greater than 1 megohm
3.	Positive Reverse	J6544-K "	J6523-F "	Less than 20 ohms Greater than 1 megohm
4.	Positive Reverse	J6544-K "	J6526-F "	Less than 20 ohms Greater than 1 megohm
5.	Positive	J6544-M	TP6501	180K +5%
6.	Positive	J6544-A	J6515-E	0 ohms
7.	Positive	J6544-C	J6517-H	0 ohms
8.	Positive	J6544-F	J6520-H	0 ohms
9.	Positive	J6544-E	J6523-H	0 ohms
10.	Positive	J6544-J	J6526-H	0 ohms
11.	Positive	Ground	J6544-B	0 ohms
12.	Positive	Ground	J6544-H	0 ohms
13.	Positive	Ground	J6544-D	0 ohms
14.	Positive	Ground	J6544-P	0 ohms
15.	Negative	Ground	E6502-1	Greater than 90K. See Note 1.
16.	Positive	Ground	J6544-A	INF.
17.	Positive	Ground	J6544-C	INF.
18.	Positive	Ground	J6544-F	INF.
19.	Positive	Ground	J6544-E	INF.
20.	Positive	Ground	J6544-J	INF.

VI. RESISTANCE TEST OF REMOTE WIRING - Cont'd

	POLARITY OF VOM	COMMON LEAD	POSITIVE LEAD	RESISTANCE
21.	Positive	Ground	J6544-K	INF.
22.	Positive	Ground	J6544-M	INF.

NOTE: If resistance at this point is less than 90K, disconnect each lead at:

J6517-F
J6520-F
J6523-F
J6526-F

Check the resistance of each lead to their respective shields to determine which of these wires are shorted.

REVISION SHEET	THE TECHNICAL MATERIEL CORP. MAMARONECK NEW YORK	S-940 Ø LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
4/20/65		1 of 4		O=ORIGINAL RELEASE FOR PRODUCTION.	
8/10/65	A	-----	14638	Revised shts 2,4,5,6 per EMN	

TMC FORM MLR-1, OGILVIE PRESS, INC. NO. 459M TYPEMASTER