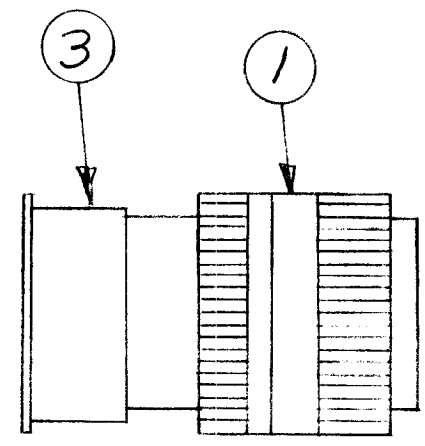
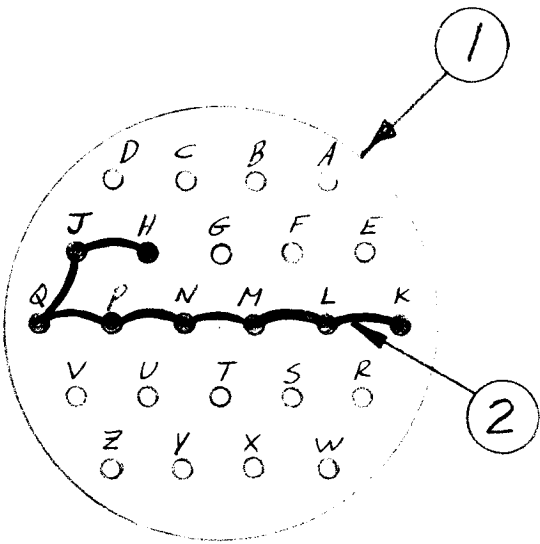


REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
1	RAK110-2P	BATA174	11-9-66
1	RAK111-2	BATA173	11-9-66

A4544 (1)

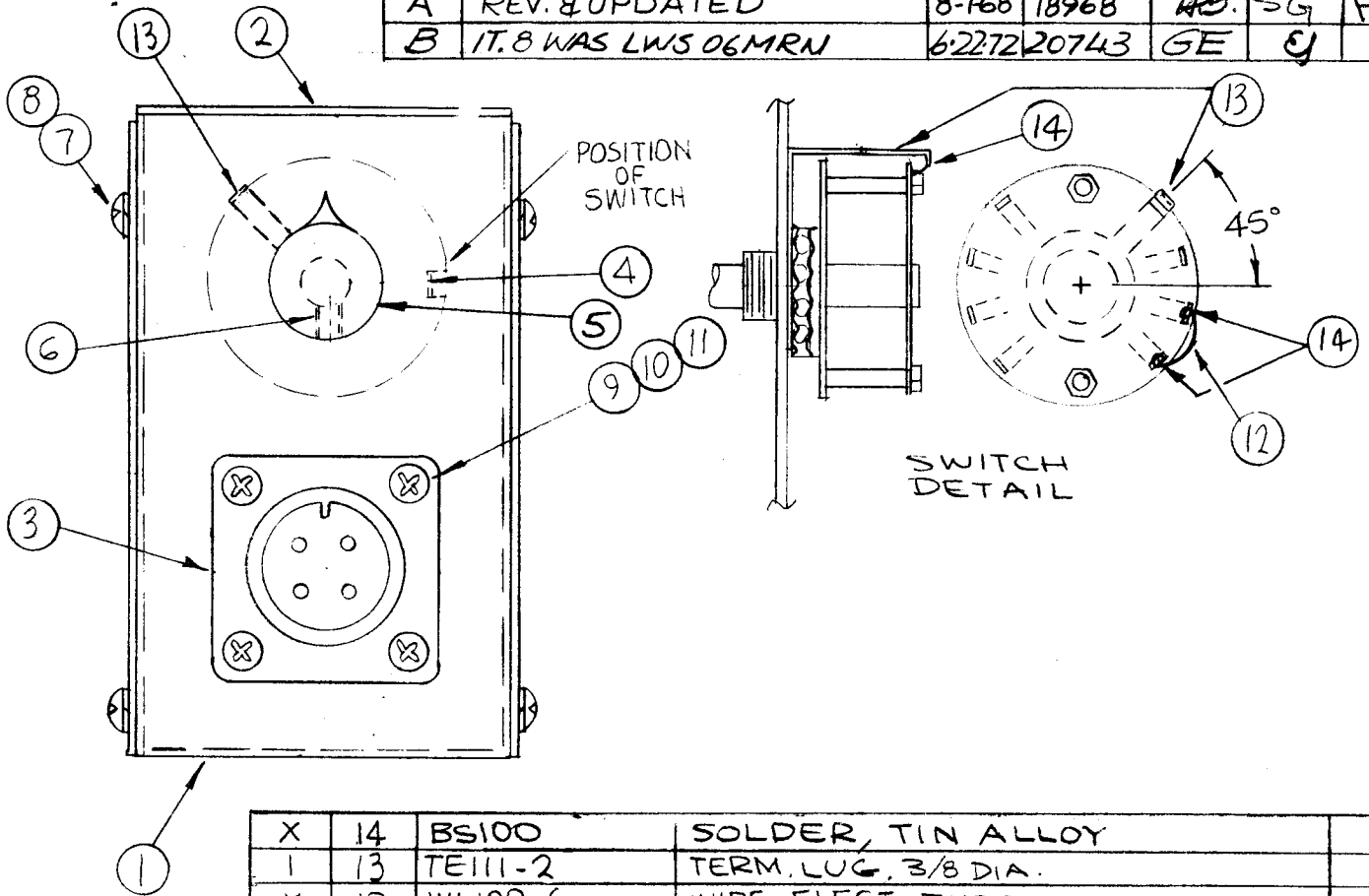


REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	4	BS100	WIRE, TINALY	
1	3	HB110-17	CAP, PUST, PLASTIC	
	2	MWC20(7)UO	WIRE BULB, INS	
1	1	MS3106B24-28P	CONN, PL, ML 24/C	

Ø	ORIGINAL RELEASE FOR PRODUCTION	12-16-66	Ø	RME		
X	EXP. RELEASE	11-11-66				
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE				
DECIMALS	FRACTIONS	CODE				
X ± .05	± 1/64	A				
.XX ± .01	ANGLES					
.XXX ± .005	± 0° 30'					

STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
MATERIAL		FILTER INTERLOCK JUMPER ASSY		
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	
				A4544 (1)

APPLICATION			REVISIONS							
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD	
1	KIT-320		X2	COMPLETELY REVISED	1-12-67					
1	PS-4B		X3	IT. 14 ADDED, DWG CLARIFIED	3-29-67					
			Ø	ORIG RELEASE FOR PROD	3-31-67					
			A	REV. & UPDATED	8-1-68	18968		SG	FB	
			B	IT. 8 WAS LWS 06MRN	6-22-72	20743		GE	GE	



REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
X	14	BS100	SOLDER, TIN ALLOY	
1	13	TE111-2	TERM. LUG, 3/8 DIA.	
X	12	WL100-6	WIRE, ELECT. BUSS	
4	11	NTH0440BNG	NUT, PLAIN HEX.	
4	10	LWS04MRN	WASHER, LOCK, SPLIT	
4	9	SCBP0440BNG	SCREW, MACHINE	
4	8	LWE06MRN	WASHER, LOCK, EXTERNAL	
4	7	SCBP0632BNS	SCREW, MACHINE	
1	6	SLHC0632SP3	SETSCREW	
1	5	MP102-1	KNOB, RD.	
1	4	SW112	SWITCH, ROTARY	
1	3	MS3102A14S-2P	CONN. RECP, ML.	
1	2	MS3770	COVER, BRACKET MTG. SWITCH	
1	1	LD1509/MS3769	BRACKET, MTG. SWITCH	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS	FRACTIONS	TOLS.	ANGLES
.X ± .05	1/64		
.XX ± .01			0° - 30°
.XXX ± .005			

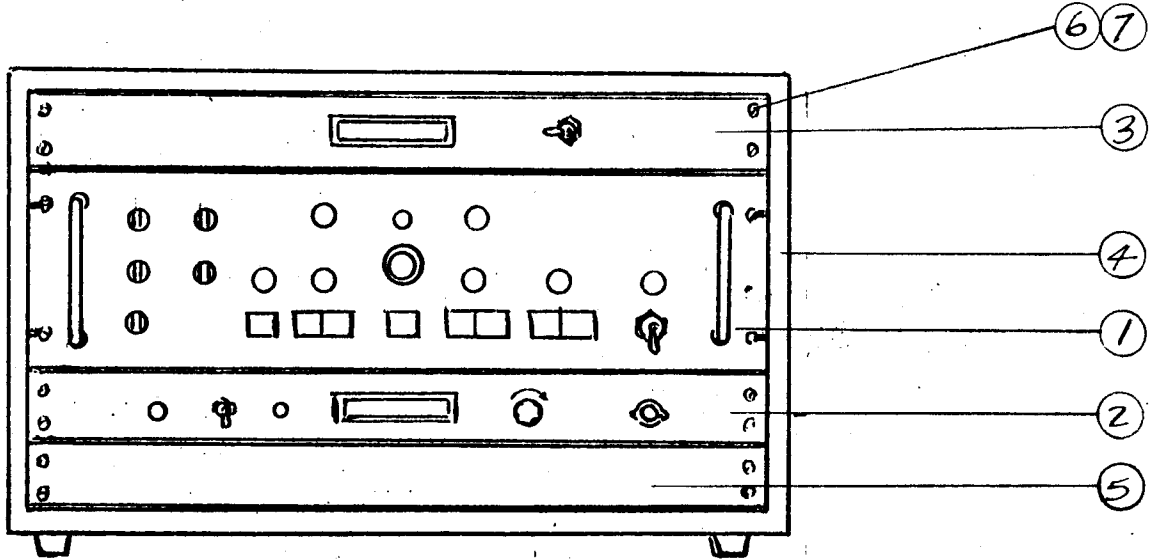
F. BUDETTI		LIST OF MATERIAL	
APPROVED		DATE 3/31/67	
MECH. DES.		DATE	
ELECT. DES.		DATE	
CHECKED		DATE	
DRAWN		DATE 1-12-67	
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK SW/CONN. ASS'Y			

MATERIAL	
FINISH	
S401-451 S401-	
S401-	

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SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
A	82679	A4548	B
SCALE 1:1	SHEET OF		

APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
1	TCGB-1		X	Experimental Release	1/9/67	----	<i>[Signature]</i>		
			Ø	ORIGINAL RELEASE FOR PRODUCTION	1-30-67		L.A.K.		

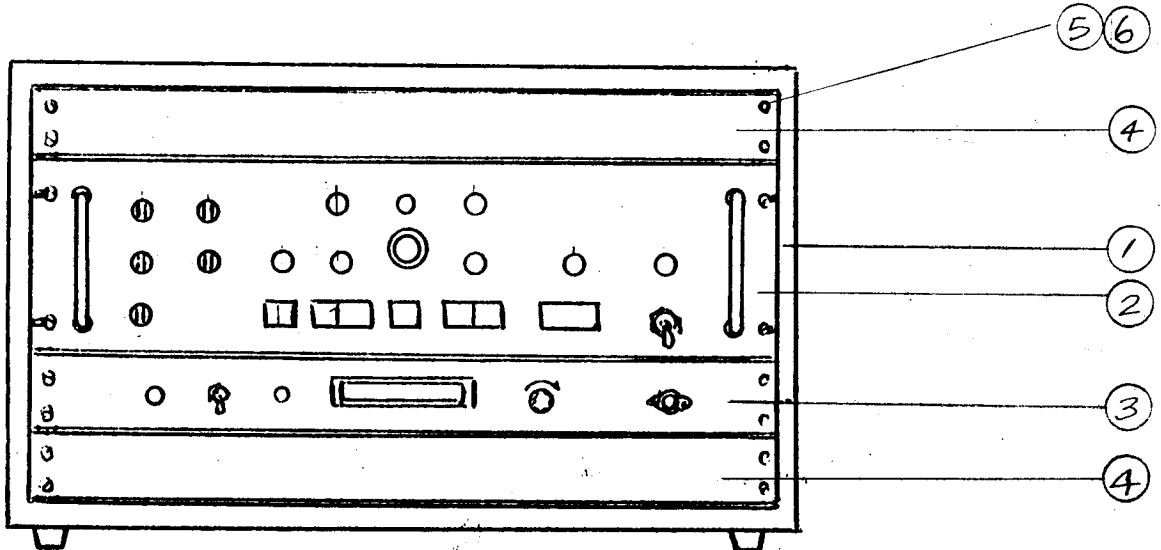


Note 1; Located in the rear of CAB-3A.

1	8	AX658	Pwr Conn. Bx Assy
16	7	SCBP1032BN8	Screw, Mach.
16	6	WA101-11	Wash., NM
1	5	MS157-1	Panel, Blank
1	4	CAB-3A	Cab., Elect. Equip.
1	3	AX628	Meter Panel
1	2	MPA-1	Microphone Preamplifier
1	1	LSCA-1	Control Panel

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
DECIMALS: .X ± .05, .XX ± .01, .XXX ± .005 FRACTIONS: 1/64, ANGLES: 0°-30'		LIST OF MATERIAL THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK FINAL ASSEMBLY, TCGB-1				
MATERIAL	<i>N</i>	FINAL APPR.	<i>[Signature]</i>	DATE	1/30/67	
FINISH	<i>N</i>	MECH. DES.		DATE		
		ELECT. DES.		DATE		
		CHECKED		DATE		
		DRAWN	<i>[Signature]</i>	DATE	1/30/67	
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				A	82679	Ø
				DWG NO.	A4559	
				SCALE	<i>N</i>	SHEET OF

APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
1	TCGA-1		X	Experimental Release	1/9/67	----	<i>[Signature]</i>		
			<i>[Signature]</i>	ORIGINAL RELEASE FOR PRODUCTION	1-30-67		L.A.K.		



Note 1; Located in the rear of CAB-3A.

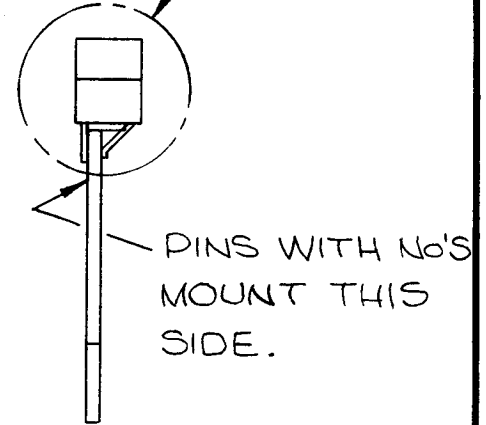
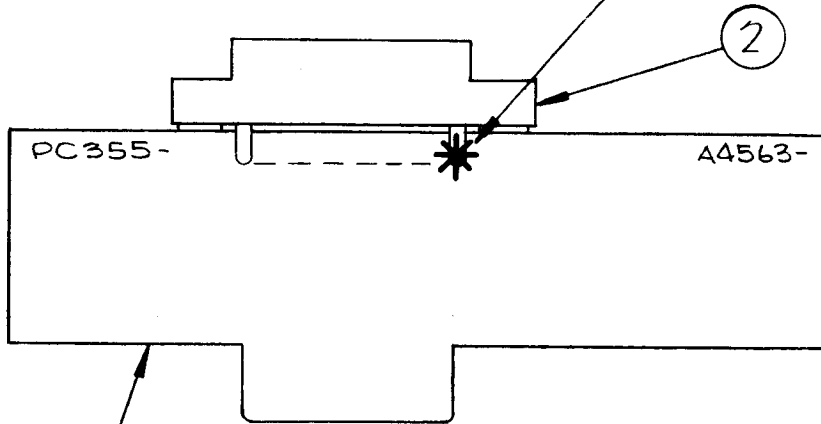
1	7	AX658	Pwr Conn. Bx Assy	Note 1
16	6	SCBP1032BN10	Screw, Mach.	
16	5	WA101-11	Wash., NM	
2	4	MS157-1	Panel, Blank	
1	3	MPA-1	Microphone Preamplifier	
1	2	LSCA-1	Control Panel	
1	1	CAB-3A	Cab., El., Equip.	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.		
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS 1/64 TOLS. ANGLES 0°-30°	MIL	<i>[Signature]</i>	1/30/67	LIST OF MATERIAL			
MATERIAL <i>[Signature]</i>		FINAL APPR	<i>[Signature]</i>	DATE 1/30/67	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
FINISH <i>[Signature]</i>		MECH. DES.		DATE	FINAL ASSEMBLY, TCGA-1			
		ELECT. DES.		DATE				
		CHECKED		DATE				
		DRAWN	<i>[Signature]</i>	DATE 1/9/67				
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					SCALE <i>[Signature]</i>	SHEET 1 OF 1		

APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD	APPD
1	VOX-7	AX651	X	EXP. RELEASE	1-24-67		WHW		
1	MMX-1	AX652	X1	IT. 2 WAS JJ319A-6D-T-E	2-17-67		RME		
1	MMX-1		X2	REMOVED HFSR-4. MMX-17 ADD.	11-10-67		HS		
			Ø	ORIG. RELEASE FOR PROD	12-8-67		RG		

SOLDER AS SHOWN BOTH SIDES. TYPICAL ALL PINS.

SEE DETAIL "A"



1

CONNECTOR

CONNECTOR MUST SIT FLUSH ON P.C. BOARD

PRINTED CIRCUIT BOARD

CRIMP PINS EVENLY AS SHOWN

DETAIL "A"

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
X	3	BS100	SOLDER, TIN ALLOY	
1	2	JJ319-6D-P-E	CONNECTOR, RECEPTACLE	
1	1	PC355	PRINTED CIRCUIT BOARD	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS	FRACTIONS
X ± .05	1/64
XX ± .01	ANGLES
XXX ± .005	0° - 30'

MATERIAL 4

FINISH 4

S401-451

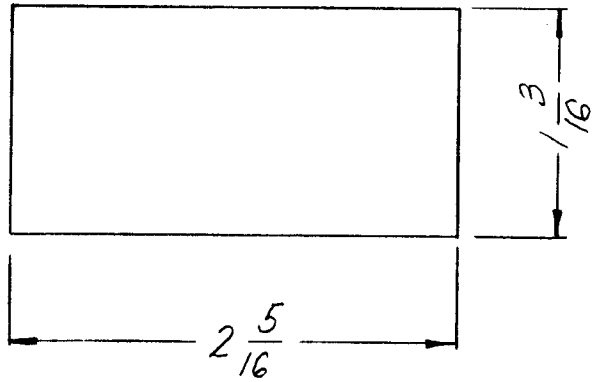
O. POSE		LIST OF MATERIAL	
APPROVAL	DATE	THE TECHNICAL MATERIEL CORP.	
MECH. DES.	DATE	MAMARONECK, NEW YORK	
ELECT. DES.	DATE	ASS'Y PRINTED CIRCUIT BD	
CHECKED	DATE	TEST CARD	
DRAWN	DATE		

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
A	82679	A4563	Ø
SCALE 1:1		SHEET OF	

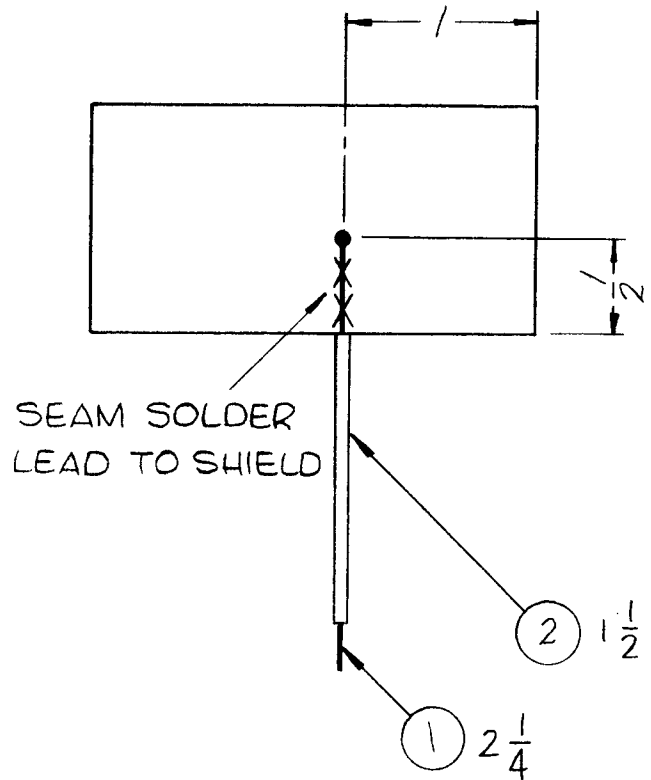
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APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	TRO-47A		X	EXPERIMENTAL RELEASE	2.23.67	W	W		W
			Ø	ORIG. RELEASE FOR PROD.	1.29.69		R.G.		

MACHINING
A4578-1



FINAL ASSEMBLY
A4578-2



REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
X	3	BS100	SOLDER, TIN ALLOY	
1 1/2	2	PX100-1-042	INS, SLVNG, ELEC	
2 1/4	1	WL100-6	WIRE, ELEC. BUSS	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
AND INCLUDE CHEMICALLY APPLIED
OR PLATED FINISHES

DECIMALS FRACTIONS
.X ± .05 TOLS. 1/64
.XX ± .01 ANGLES
.XXX ± .005 0°-30'

MATERIAL .002 THK
COLD ROLLED COPPER
FINISH NONE

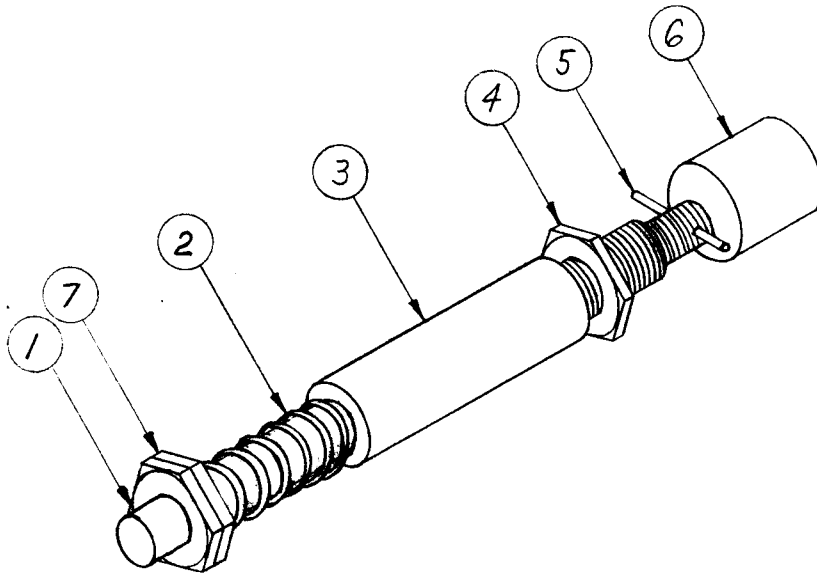
S401-451

L. BUTLER		LIST OF MATERIAL	
FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK SHIELD, ASSY	
MECH. DES.	DATE		
ELECT. DES.	DATE		
CHECKED	DATE		
DRAWN	DATE		

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SIZE A	CODE IDENT. NO. 82679	DWG NO. A4578	ISSUE Ø
SCALE 1:1		SHEET OF	

APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASSY NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
1	A0-100	A-1742	X	EXPERIMENTAL RELEASE	3-15-67		L.A.K.	<i>[Signature]</i>	<i>[Signature]</i>
1	A0-103	A-1742	Ø	ORIG RELEASE FOR PROD	4-3-67	Ø	CV	<i>[Signature]</i>	<i>[Signature]</i>
			A	IT. 1,3 WAS PM831, PM832	10.5.67	18542	H.G.	<i>[Signature]</i>	<i>[Signature]</i>
			B	IT.5 P/N WAS PN109-2	1-18-73	20972	GE	<i>[Signature]</i>	<i>[Signature]</i>



2	7	NTH2528BN12	NUT, HEX
1	6	CI 117	CORE TUNING
1	5	PN 109-1	PIN, ROLL
1	4	NTH4320BN20	NUT, HEX
1	3	PM 1339	COLLAR, CORE STUD
1	2	SP144	SPRING TENSION
1	1	PM 1338	STUD CORE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
-------	------	-------------	-------------	------

O. POSE

LIST OF MATERIAL

DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	TOLS. ANGLES
.XXX ± .005	0° - 30'

FINAL APPROVAL	DATE
<i>[Signature]</i>	4/13/67
MECH. DES.	DATE
ELECT. DES.	DATE
CHECKED	DATE
<i>[Signature]</i>	
DRAWN	DATE
LK	3/10/67

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

CORE ASSY. TUNING

MATERIAL
FINISH

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	A	82679	A4585	B			
SCALE		MIL <i>[Signature]</i>		SHEET	OF		