

CABINET, ELECTRICAL EQUIPMENT

MODEL RAK-16B REV A

TITLE

USED ON
MODEL SECTION
RAK-16C

LIST SECTIONS

1. SUPPORTING NOTES
2. SUPPORTING LISTS
3. ELECTRICAL/MECHANICAL
4. SUPP ASSY/REF DWGS
5. SPECIFICATIONS
6. LOOSE ITEMS
7. PARTS PECULIAR

SHEET NO.

SEE BELOW
NONE REQ
1-8
9
NONE REQ
10-11
NONE REQ

LAST SYMBOLS

B602
CP601
J606
MP602
P614
TB608
W607

COMPILED L. GABEL
CHECKED L. GABEL
APPROVED I. JOHNSON

FNL APPR *L. Gabel*
ISS DATE *8-25-64*

MISSING SYMBOLS

P601

NOTE 1. THE FOLLOWING SYMBOL, #, IN THE REMARKS COLUMN INDICATES THAT THE PART NUMBER IMMEDIATELY FOLLOWING IT IS THE TMC PROPRIETARY MANUFACTURING DRAWING FOR THE CORRESPONDING NUMBER IN THE PART NUMBER COLUMN.

NOTE 2. AN ASTERISK, *, IN THE REFERENCE SYMBOLS COLUMN INDICATES THAT THE CORRESPONDING ITEM IS SUPPLIED AND ASSEMBLED BY THE CABINET MANUFACTURER.

MATERIAL LIST / NUMERICAL PARTS LIST		REV.											MODEL:	RAK-16B				SHEET	1	OF	11
PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS														
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT																	
AD103-5	FIL,AIR COND	A3107			1	MP601	ALUM														
AD103-9	FIL,AIR COND	A3107			1	MP602	ALUM														
BL106-2	FAN,AXIAL	A2079-6			1	B601	115V														
		A2079-6			1	B602	115V														
BS100	SOLDER,TIN ALY	A2079																			
		A3107																			
		AX405																			
		CA409-32-2.00																			
		CA409-77-8.00																			
		CA435-3																			
		CA550																			
		CA575-2																			
		CA581-1																			
		CA588-1																			
		CA588-3																			
CA738																					
CD101-1MW	CORD,NYLON LACING	CA738					BLK														
CU102-3	CLAMP,LOOP	A3107			1																
		CA738			4	5															
CU102-4	CLAMP,LOOP	A3107				3															
CU102-5	CLAMP,LOOP	A3107				1															
CU102-6	CLAMP,LOOP	CA738				2															
CU113	BOX CONN,ELEC	AX405				1															
EY102-20	GROM,RUB.	A2079-6				8															
FS102-1	LOCKSPRING	MS2509-1				4	*														

MATERIAL LIST / NUMERICAL PARTS LIST		REV.											MODEL: RAK-16B				SHEET 2 OF 11	
PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS											
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT														
FS109-3	RING, RETAINING	MS2509-1			4	*												
FS110-1	STUD, TURNLOCK	MS2509-1			4	*												
FW06HBN	WASH., FLAT	A2079-6		8														
		A3107		2														
		CA738		6	16													
FW10HBN	WASH., FLAT	A3107			11													
FW25HBN	WASH., FLAT	A2079-6			8													
GA144-122	RUB., SPL SHAPED	MS2516			1	*												
HA114-1	HDL, DOOR, FLUSH	MS2516			1	*												
JJ170	CONN RECP, FML, AC	AX405		1		J602	2/C, TWLK											
		AX405		1		J603	2/C, TWLK											
		AX405		1		J604	2/C, TWLK											
		AX405		1		J605	2/C, TWLK											
		AX405		1	5	J606	2/C, TWLK											
LD633/MS2509-1	CAB., MODIFIED	MS3121			1	*	MS2509-1											
LD880/PX544-4	INS, TERM. BD	A2079-6			1													
LD1199/PX691	PL, MTG, TERM. BD	A3107			1													
LD1301/MS2537	CHAS, FAN	A2079-6			1													
LWC22/7/SJ1	CBL, SP, SHLD/JKT	CA738			98		BRN											
LWC22/7/SJ2	CBL, SP, SHLD/JKT	CA738			97		RED											
LWC22/7/SJ3	CBL, SP, SHLD/JKT	CA738			89		ORN											
LWC22/7/SJ4	CBL, SP, SHLD/JKT	CA738			88		YEL											

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

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MODEL:

RAK-16B

SHEET 3 OF 11

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LWC22/7/SJ5	CBL,SP,SHLD/JKT	CA738			76		GRN
LWC22/7/SJ6	CBL,SP,SHLD/JKT	CA738			75		BLU
LWC22/7/SJ7	CBL,SP,SHLD/JKT	CA738			63		VIO
LWC22/7/SJ8	CBL,SP,SHLD/JKT	CA738			155		GY
LWC22/7/SJ9	CBL,SP,SHLD/JKT	CA738			96		WHT
LWC22/7/SJ90	CBL,SP,SHLD/JKT	CA738			48		WHT/BLK
LWC22/7/SJ91	CBL,SP,SHLD/JKT	CA738			45		WHT/BRN
LWC22/7/SJ92	CBL,SP,SHLD/JKT	CA738			44		WHT/RED
LWC22/7/SJ93	CBL,SP,SHLD/JKT	CA738			43		WHT/ORN
LWC22/7/SJ94	CBL,SP,SHLD/JKT	CA738			66		WHT/YEL
LWC22/7/SJ95	CBL,SP,SHLD/JKT	CA738			79		WHT/GRN
LWC22/7/U94	CBL,SP,SHLD/JKT	CA738			72		WHT/YEL
LWC22/7/U95	CBL,SP,SHLD/JKT	CA738			71		WHT/GRN
LWC22/7/U96	CBL,SP,SHLD/JKT	CA738			70		WHT/BLU
LWC22/7/U97	CBL,SP,SHLD/JKT	CA738			69		WHT/VIO
LWE04MRN	WASH.,LK,EXT	A2079-6		8			
		A3107		4	12		
LWE06MRN	WASH.,LK,EXT	A2079-6		8			
		A3107		5			
		CA738		6	19		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

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MODEL:

RAK-16B

SHEET 4 OF 11

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LWE10MRN	WASH. ,LK,EXT	A3107			11		
LWS03MRN	WASH. ,LK,SPLIT	MS2509-1			8	*	
LWS04MRN	WASH. ,LK,SPLIT	MS2509-1			48	*	
MS154-1	PL,MTG,TERM.BD	A2079-6		2			
		A3107		2	4		
MS1850-S	PL,ACCESS	MS2509-1			4	*	
MS1973-1	BRKT,SPT,CHAS,R	A3107			1		
MS1973-2	BRKT,SPT,CHAS,L	A3107			1		
MS2509-1	CAB,ELEC EQUIP	LD633			1	*	BASIC
MS2516	DOOR,CABINET	A3107			1	*	
MS2537	CHAS,FAN	LD1301			1		
MS2999	PL,COVER	A3107			1		
MS3046	CND,AC STRIP	AX405			1		PO160
MS3057-8	CLP,CBL,EL CONN	CA581-1		1			
		CA581-1		1	2		
MS3106A16S-5S	CONN,PL,FML	CA581-1		1		P607	W602
		CA581-1		1	2	P609	W604
MS3121	CAB.,MODIFIED	A3107			1	*	
MS3420-6A	BUSH.,RUB	CA581-1		1			
		CA581-1		1	2		
MWC14/19/U0	CBL,SP,SHLD/JKT	AX405			30		BLK
MWC14/19/U5	CBL,SP,SHLD/JKT	CA409-77			8		GRN
MWC14/19/U9	CBL,SP,SHLD/JKT	AX405			30		WHT

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MATERIAL LIST / NUMERICAL PARTS LIST		REV.	A															MODEL:	RAK-16B		
																		SHEET	5	OF	11
PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS														
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT																	
MWC20/7/U0	CBL,SP,SHLD/JKT	CA550			13		BLK														
MWC20/7/U4	CBL,SP,SHLD/JKT	CA550			9		YEL														
MWC20/7/U7	CBL,SP,SHLD/JKT	CA550			13		VIO														
MWC20/7/U9	CBL,SP,SHLD/JKT	CA550			9		WHT														
MWC22/7/U0	CBL,SP,SHLD/JKT	CA409-32		2			BLK														
		CA409-32		2	4		BLK														
NP103-42	PLATE,IDENT,COML	A3107			1		WHEN REQ.														
NT117-2520A	NUT,SELF-LKG,FLT	MS2509-1			24	*															
NT129-632-3	NUT,PLN,SPLINE	MS3046			3		RD														
NT129-832-4	NUT,PLN,SPLINE	MS2537			12		RD														
NTH0348BN6	NUT,PLN,HEX	MS2509-1			8	*															
NTH0440BN6	NUT,PLN,HEX	A2079-6		8																	
		MS2509-1		48	56	*															
NTH0632BN8	NUT,PLN,HEX	A2079-6		8																	
		A3107		5	13																
NTH1032BN10	NUT,PLN,HEX	A3107			11																
PL100	CONN,PL,FML,AC	CA435-3			1	P608	W603														
PL133NG	CONN,RECP,ML,AC	A3107			1	J601	3/C,TWLK														
PL147-2	PLUG,TIP	CA738			1	P602	W601														

**MATERIAL LIST /
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REV.

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MODEL: RAK-16B

SHEET 6 OF 11

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PL171	CONN, PL, ML, AC	CA581-1		1		P603	W602
		CA435-3		1		P604	W603
		CA581-1		1		P605	W604
		CA575-2		1	4	P606	W605
PM531B20.75	ROD, DOORLATCH	MS2516			2	*	
PO160	CND, RACEWAY, MTL	MS3046			1		
PO161	ENDFTG, BLANK	AX405			1		
PO162	CONDUIT OUTLET	AX405			1		
PO163-2.250	COVER, CND	AX405			1		
PO163-2.937	COVER, CND	AX405			1		
PO163-3.562	COVER, CND	AX405			1		
PO163-5.000	COVER, CND	AX405			1		
PO186	CAM, 2 PT CATCH	MS2516			1	*	
PX100-1-438	INS SLVG, SZ 7/16	CA738			228		BLK
PX336-4-337	INS, TERM. BD	A2079-6			1		
PX544-4	INS, TERM. BD	LD880			1		
PX691	PL, MTG, TERM. BD	LD1199			120		
RG58/U	CBL, RF	CA738			125		
SCBP0440BN8	SCR, MACH	A3107			4		
SCBP0440BN12	SCR, MACH	A2079-6			4		
SCBP0540BN3	SCR, MACH	AX405			10		
SCBP0632BN6	SCR, MACH	A3107		7			
		CA738		6	13		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

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MODEL:

RAK-16B

SHEET 7

OF 11

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
SCBP0632BN9	SCR, MACH	A3107			5		
SCBP0632BN14	SCR, MACH	A2079-6			8		
SCBP0832BN6	SCR, MACH	A3107			12		
SCBP1032BN9	SCR, MACH	A3107			6		
SCFP0348BN6	SCR, MACH	MS2509-1			8	*	
SCFP0440BN8	SCR, MACH	MS2509-1			48	*	
SCHH1032BN8	SCR, MACH	A3107			5		
SFB0256SN3	SCR, TAP, THD. CTG	A3107			4		
TE112-2	TERM. , LUG-LKG	AX405			12		NO. 6
TE117-30	SPACER, SLV	A2079-6			8		
TE120-2	TERM. , LUG-SPADE	CA409-32		2			NO. 6
		CA409-32		2			NO. 6
		CA550		4	10		NO. 6
		CA575-2		2	10		NO. 6
TE155-34170	TERM. , LUG-INS	CA409-77		1			
		CA588-1		2			
		CA588-3		2	5		
TE159-34160	TERM. , LUG-INS	CA409-77			1		
TM102-4	TERM. BD-BARR	A2079-6			1	TB601	
TM102-9	TERM. BD-BARR	A3107			1	TB602	

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1M-7-64 AINS-

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV. **A**

MODEL: **RAK-16A**

SHEET **8** OF **11**

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
TM105-4AR	TERM. BD -FNG	CA738			1	TB603	W601
TM105-9AR	TERM. BD -FNG	CA738		1		TB605	W601
		CA738		1	2	TB606	W601
TM105-12AR	TERM. BD -FNG	CA738		1		TB604	W601
		CA738		1	2	TB607	W601
TM105-9SL	TERM. BD -FNG	CA738			1	TB608	W601
UG88*/U	CONN, PLUG-BNC	CA738		1		P610	W601
		CA738		1		P611	W601
		CA738		1		P613	W601
		CA738		1	4	P614	W601
UG89*/U	CONN, PLUG-BNC	CA738			1	P612	W601
UG274*/U	ADPT, CONN-BNC	CA738			1	CP601	W601
WA101-4	WASH. ,NM	A2079-6			8		
WI121-6	CBL, PWR, ELEC	CA588-1		36			
		CA588-3		60	96		
WI134-2-7	CBL, COILED, PWR	CA435-3			1		
WI134-2-12	CBL, COILED, PWR	CA575-2		1			
		CA581-1		1			
		CA581-1		1	3		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

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MODEL:

RAK-16B

SHEET 9

OF 11

PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
A2079 -6	FAN ASSY	A3107			1		
A3107	RAK-16B FNL ASSY	RAK-16B			1		
AX405	AC PWR STRIP	A3107			1		#A3104
CA409-32-2.00	LEAD,ELEC	A2079-6			2		
CA409-77-8.00	LEAD,ELEC	A3107			1		
CA435-3	CBL ASSY,PWR,AC	A3107			1	W603	CFA-1
CA550	WRG HARN, BRCHD	A2079-6			1		FAN
CA575-2	CBL ASSY,PWR,AC	A2079-6			1	W605	2/C,CLD
CA581-1	CBL ASSY,PWR,AC	A3107		1	1	W602	MSR-4
		A3107		1	2	W604	MSR-4
CA588-1	CBL ASSY,PWR,AC	A3107			1	W607	DCP-1
CA588-3	CBL ASSY,PWR,AC	AX405			1	W606	DCP-1
CA738	WRG HARN, BRCHD	A3107			1	W601	

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

A

MODEL:

RAK-16B

SHEET 10 OF 11

PART NO.	DESCRIPTION PARTS PECULIAR FOR BASE MOUNTING	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LWS37MRN	WASH. ,LK,SPLIT	A3107			4		
MS1901	BASE,EL EQ RACK	A3107			1		
SCHH3716SN16	BOLT,MACH	A3107			4		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

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MODEL:

RAK-16B

SHEET 11 OF 11

PART NO.	DESCRIPTION PARTS PECULIAR FOR SHOCK MOUNTING	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LWS37MRN	WASH. ,LK,SPLIT	A3107			6		
SCHH3716SN16	BOLT,MACH	A3107			6		
SH104-4T6	MOUNT,RESILIENT	A3107			6		

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RAK-16B

REVISION SHEET

MODEL RAK-16B

PROJECT NO. _____

DATE	REV.	PAGE	EMN #	DESCRIPTION	CHK.	APP.
12/3/64	A	as noted		Revised sheets 1,2,3,4,5,6,7,8 and 9 per EMN #12972		<i>WD</i>