

CABINET, ELECTRICAL EQUIPMENT

MODEL RAK-30A REV

TITLE

USED ON
MODEL SECTION
DDR-7A

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
10
NONE REQ
NONE REQ

LAST SYMBOLS

B702 P732
E701 TB703
J707 W720
MP702

COMPILED J. SABATINO

CHECKED *L. Gabel*

APPROVED I. JOHNSON

FNL APPR *L. Gabel 11-6-64*

ISS DATE *11-6-64*

MISSING SYMBOLS

NONE

SPECIAL SYMBOLS P707-SEE DDR-7 LIST

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 CORRES-
PONDING NUMBER IN THE PART
NUMBER COLUMN.

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-30A

SHEET

1

OF

10

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	A3136			1	MP701	ALUM
AD103-9	FIL,AIR COND	A3136			1	MP702	ALUM
BL106-2	FAN,AXIAL	A2079-7			2	B701,702	
BS100	SOLDER,TIN ALY	A3114 CA550- CA661-2 CA747 CA748					
CD101-1MW	CD,NYLON,LACING	CA550					
CU102-2	CLAMP,LOOP	A3136			2		3/16ID
CU102-3	CLAMP,LOOP	CA747			3		1/4D
CU102-4	CLAMP,LOOP	A3136			4		5/16ID
CU102-6	CLAMP,LOOP	A3136			1		7/16ID
CU113	BOX CONN,ELEC	A3114			1		
EY102-20	GROM,RUB. ,1/4D	A2079-7			8		
FS102-1	LOCKSPRING	MS2509-2			4		
FS109-3	RING,RETAINING	MS2509-2			4		
FS110-1	STUD,TURNLOCK	MS2509-2			4		
FW06HBN	WASH. ,LK,FLAT	A2079-7 CA747		8 3	11		
FW08HBN	WASH. ,LK,FLAT	A3136			7		

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MODEL:

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
FW25HBN	WASH. ,FLAT	A2079-7			8		
GA144-148	RUB. ,SPL SHAPED	MS2513			1		
HA114-1	HDL ,DOOR	MS2513			1		
JJ170	CONN ,RECP ,FML ,AC	A3114		3		J701,702,703	
		A3114		3	6	J704,705,706	
LD633/MS2509-2	CAB. ,ELEC EQUIP	MS3119			1		
LD880/PX544-4	INS ,TERM. BD	A2079-7			1		
LD892/MS2537	CHAS ,FAN	A2079-7			1		
LD1195/PX705	BD ,MTG, TERM. BD	A3136			1		
LWE04MRN	WASH. ,LK,EXT	A2079-7			8		
LWE06MRN	WASH. ,LK,EXT	A2079-7		8			
		A3136		5			
		CA747		3	16		
LWE08MRN	WASH. ,LK,EXT	A3136			7		
LWE10MRN	WASH. ,LK,EXT	A3136			88		
LWS03MRN	WASH. ,LK,SPLIT	MS2509-2			8		
LWS04MRN	WASH. ,LK,SPLIT	MS2509-2			48		
LWS37MRN	WASH. ,LK,SPLIT	A3136			4		
MS154-1	PL,MTG, TERM. BD	A2079-7		2			
		A3136		2	4		
MS1850S	PLATE ,ACCESS	MS2509-2			4		
MS1901	BASE, EL EQ RACK	A3136			1		

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SHEET

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OF

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MS2509-2	CAB., ELEC EQUIP.		LD633		1		
MS2513	DOOR, REAR		A3136		1		
MS2537	CHAS, FAN		LD892		1		
MS2999	COV, ACCESS		A3136		1		
MS3086	CND, RACEWAY, MTL		A3114		1		
MS3119	CAB., ELEC EQUIP.		A3136		1		
MS3420-10A	BUSH., CBL		CA661-2		2		
MS3420-12A	BUSH., CBL		CA661-2		2		
MWC14(19)U0	WIRE, ELEC, INS		A3114				
MWC14(19)U5	WIRE, ELEC, INS		CA409-77		8		
MWC14(19)U9	WIRE, ELEC, INS		A3114				
MWC16(19)U0	WIRE, ELEC, INS		CA661-2		94		
MWC16(19)U1	WIRE, ELEC, INS		CA661-2		94		
MWC18(16)U9	WIRE, ELEC, INS		CA661-2		94		
MWC20(7)U0	WIRE, ELEC, INS		CA550		13		
MWC20(7)U4	WIRE, ELEC, INS		CA550		9		
MWC20(7)U7	WIRE, ELEC, INS		CA550		13		
MWC20(7)U9	WIRE, ELEC, INS		CA550		9		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MWC22(7)SJ1	CBL,SP,SHLD/JKT	CA747			105		
MWC22(7)SJ2	CBL,SP,SHLD/JKT	CA747			104		
MWC22(7)SJ3	CBL,SP,SHLD/JKT	CA747			90		
MWC22(7)SJ4	CBL,SP,SHLD/JKT	CA747			90		
MWC22(7)SJ5	CBL,SP,SHLD/JKT	CA661-2 CA747		94 123	217		
MWC22(7)SJ6	CBL,SP,SHLD/JKT	CA747			100		
MWC22(7)SJ7	CBL,SP,SHLD/JKT	CA747			99		
MWC22(7)SJ8	CBL,SP,SHLD/JKT	CA747			90		
MWC22(7)SJ9	CBL,SP,SHLD/JKT	CA747			92		
MWC22(7)U0	WIRE,ELEC,INS	CA409-32		2X2	4		
MWC22(7)U2	WIRE,ELEC,INS	CA661-2			94		
MWC22(7)U6	WIRE,ELEC,INS	CA661-2			94		
MWC22(7)U7	WIRE,ELEC,INS	CA661-2			94		
MWC22(7)U8	WIRE,ELEC,INS	CA661-2			94		
NP103-42	PLATE,IDENT	A3136			1		
NT117-2520A	NUT,SELF-LKG,FLT	MS2509-2			24		
NT129-632-3	NUT,PLN,SPLINE	MS3086			4		
NT129-832-4	NUT,PLN,SPLINE	MS2537			12		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
NTH0348BN6	NUT,PLN,HEX		MS2509-2		8		
NTH0440BN6	NUT,PLN,HEX		A2079-7 MS2509-2	8 48	56		
NTH0632BN8	NUT,PLN,HEX		A2079-7 A3136 CA747	8 5 3	16		
NTH0832BN10 PL169	NUT,PLN,HEX CONN,PL,RF,BNC		A3136 CA748 CA748 CA748 CA748 CA480-3 CA480-3 CA480-3	3 3 3 3 2 2 2	7	P702,704,705 P706,707,708 P709,710,711 P712,713,714 P715,716 P719,720 P723,724	W706 W706 W711 W711 W710 W712 W714
PL171	CONN,PL,ML,AC		CA551-1 CA575-2	1 1	18 2	P701 P702	W707 W701
PL176	CONN,PL,FML,AC		CA551-1 CA555-3 CA555-3 CA555-3 CA555-3	1 1 1 1 1	5	P703 P717 P721 P725 P729	W707 W719 W720 W713 W715
PL212-1	CONN,PL,ML		CA661-2		1	P732	W709
PL212-2	CONN,PL,FML		CA661-2		1	P731	W709

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PL218	CONN, PL, ML, AC	CA555-3		1		P718	W719
		CA555-3		1		P722	W720
		CA555-3		1		P726	W713
		CA555-3		1	4	P730	W715
PM531B27.06	ROD, DOORLATCH	MS2513			2		
PO160	CND, RACEWAY, MTL	MS3086			1		BLANK
PO161	END FTG, BLANK	A3114			1		
PO162	CONDUIT OUTLET	A3114			1		
PO163-8.625	COVER, CND	A3114			1		
PO163-8.875	COVER, CND	A3114			1		
PO163-9.625	COVER, CND	A3114			2		
PO186	CAM, 2 PT CATCH	MS2513			1		
PX100-1-085	INS SLVG, SZ 12	CA661-2			2		BLK
PX100-1-106	INS SLVG, SZ 10	CA661-2			2		BLK
PX100-1-263	INS SLVG, SZ 2	CA747					BLK
PX100-1-330	INS SLVG, SZ 0	CA748		94X2	188		BLK
PX100-1-438	INS SLVG, SZ 7/16	CA661-2			92		BLK
PX336-4	INS, TERM. BD	CA747					BLK
PX544-4	INS, TERM. BD	A2079-7			1		
		LD880			1		MACH
PX705	BD, MTG, TERM. BD	LD1195			1		MACH
RG59/U	CBL, RF	CA480-6			115		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
RG174/U	CBL, RF	CA480-3		97			
		CA480-3		103X2			
		CA748		317X2	937		
SCBP0440BN8	SCR, MACH	A3136			4		
SCBP0440BN12	SCR, MACH	A2079-7			4		
SCBP0540BN3	SCR, MACH	A3114			12		
SCBP0632BN6	SCR, MACH	A3136			8		
SCBP0632BN8	SCR, MACH	A3136		5			
		CA747		3	8		
SCBP0632BN14	SCR, MACH	A2079-7			8		
SCBP0832BN8	SCR, MACH	A3136			19		
SCBP2520BN10	SCR, MACH	MS2509-2			24		
SCFP0348BN6	SCR, MACH	MS2509-2			8		
SCFP0440BN8	SCR, MACH	MS2509-2			48		
SCHH1032SN8	SCR, MACH	A3136			88		
SCHH3716SN16	BOLT, MACH	A3136			4		
SFB0256SN3	SCR, TAP., THD CTG	A3136			4		
TE112-2	TERM., LUG-LKG	A3114			12		NO. 6
TE117-30	SPACER, SLV	A2079-7			8		
TE120-2	TERM., LUG-SPADE	CA409-32		2X2			
		CA550		4			
		CA575-2		2			
		CA747		1	11		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
TE155-34170	TERM. ,LUG-INS	CA409-77		1			NO.10
		CA588-1		2			NO.10
		CA588-3		2	5		NO.10
TE159-34160	TERM. ,LUG-INS	CA409-77			1		NO.8
TK107-18	TRACK SET, TILTTLK	A3136			2		3-1/2
TK108-18	TRACK SET, TILTTLK	A3136			4		1-3/4
TM102-4	TERM. BD-BARR	A2079-7			2	E701	
TM102-6	TERM. BD-BARR	A3136			1		
TM105-4AR	TERM. BD-FNG	CA747			1	TB701	
TM105-6AL	TERM. BD-FNG	CA747			1	TB703	
TM105-18AR	TERM. BD-FNG	CA747			1	TB702	
UG260*/U	CONN, PL-BNC	CA480-6			2	P727,728	W716
WA101-4	WASH. ,NM	A2079-7			8		
WI121-6	CBL,PWR,2/C	CA588-1		37			
		CA588-3		60	97		
WI134-2-12	CBL,PWR,2/C	CA555-1		1			
		CA575-2		1	2		
WI134-6-7	CBL,PWR,2/C	CA555-3		1X4	4		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

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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			
A2079-7	FAN ASSY	A3136			1		
A3136	RAK-30A FNL ASSY	RAK-30A			1		
AX416	AC PWR STRIP	A3136			1		#A3114
CA409-32-2.00	LEAD,ELEC	A2079-7			2	W717,718	
CA409-77-8.00	LEAD,ELEC	A3136			1	W708	
CA480-3-97	CLB ASSY,RF	A3136			1	W710	
CA480-3-103	CBL ASSY,RF	A3136			2	W712,714	
CA480-6-115	CBL ASSY,RF	A3136			1	W716	
CA550	WRG HARN,BRCHD	A2079-7			1	W704	
CA555-1	CBL ASSY,PWR,AC	A3136			1	W707	2/C
CA555-3	CBL ASSY,PWR,AC	A3136			4	W713,715,719,720	2/C
CA575-2	CBL ASSY,PWR,AC	A2079-7			1	W701	2/C,CLD
CA588-1	CBL ASSY,PWR,AC	A3136			1	W703	2/C
CA588-3	CBL ASSY,PWR,AC	A3114			1	W702	2/C
CA661-2	CBL ASSY,SP,8/C	A3136			1	W709	INTCONN
CA747	WRG HARN,BRCHD	A3136			1	W705	
CA748	WRG HARN,BRCHD	A3136			2	W706,711	
CH321	CHART,UNIT BKDN	RAK-30A			1		
CK627	DIAG,WRG	RAK-30A			1		

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PART NO.	DESCRIPTION SPECIFICATIONS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
S114	ZN CHROMATE PRM	MS1850S					
		MS1901					
		MS2509-2					
		MS2513					
		MS2537					
		MS2999					
S520	PAINT, BLU-GY TEX	MS1850S					
		MS1901					
		MS2509-2					
		MS2513					
		MS2537					
		MS2999					