

CABINET,ELECTRICAL EQUIPMENT

MODEL RAK-29A REV

TITLE

USED ON
MODEL SECTION
DDR-9A

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
1-12
13-14
15
NONE REQ
NONE REQ

LAST SYMBOLS

B902 MP902
E901 P925
FL901 TB911
J908 W919

COMPILED J. SABATINO

CHECKED *L. Gabel*

APPROVED I. JOHNSON *IJ*

FNL APPR *L. Gabel*

ISS DATE 11-6-64

MISSING SYMBOLS

NONE

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-29A

SHEET 1 OF 15

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	A3118			1	MP901	ALUM
AD103-9	FIL,AIR COND	A3118			1	MP902	ALUM
BL106-2	FAN,AXIAL	A2079-1			2	B901,902	115V
BS100	SOLDER,TIN ALY	A3113 CA550 CA661-2 CA744					
CD101-1MW	CD,NYLON,LACING	A3118 CA550 CA744					
CU102-2	CLAMP,LOOP	CA744			3		3/16ID
CU102-3	CLAMP,LOOP	CA744			2		1/4ID
CU102-4	CLAMP,LOOP	A3118			1		5/16ID
CU102-6	CLAMP,LOOP	CA744			1		7/16ID
CU102-7	CLAMP,LOOP	A3118			2		1/2ID
CU102-10	CLAMP,LOOP	CA744			1		5/8ID
CU102-12	CLAMP,LOOP	A3118			3		3/4ID
CU102-14	CLAMP,LOOP	A3118			2		1ID
CU113	BOX CONN,ELEC	A2483 A3113		4 1	5		
EY102-20	GROM,RUB.,1/4D	A2079-1			8		

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**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 2 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
FI102	FIL,RADIO INTFER	A2483			1		
FS102-1	LOCKSPRING	MS2509-2			4		
FS109-3	RING,RETAINING	MS2509-2			4		
FS110-1	STUD,TURNLOCK	MS2509-2			4		
FW06HBN	WASH.,FLAT	A2079-5			8		
FW10HBN	WASH.,FLAT	A2483		4			
		A3118		8	12		
FW25HBN	WASH.,FLAT	A2079-1			8		
GA144-148	RUB.,SPL SHAPED	MS2513			1		
HA114-1	HDL,DOOR	MS2513			1		
JJ170	CONN,RECP,FML,AC	A3113		4		J901,902,903,904	2/C,TWLK
		A3113		4	8	J905,906,907,908	2/C,TWLK
LA101	BAND,MARKER,CBL	CA744			144		2EA.1-72
LD633/MS2509-2	CAB.,ELEC EQUIP.	MS3092			1		
LD880/PX544-4	INS,TERM.BD	A2079-1			1		
LD886/MS2537	CHAS,FAN	A2079-1			1		
LD1187/PX704	BD,MTG,TERM.BD	A3118			1		
LWE04MRN	WASH.,LK,EXT	A2079-1		8			
		A3118		16			
		A2483		4	28		

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**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL: RAK-29A

SHEET 3 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LWE06MRN	WASH. ,LK,EXT	A2079-1 A3118 A3179 A3219		8 6 4X2 4X2	.30		
LWE08MRN	WASH. ,LK,EXT	A3118 CA744		8 7	15		
LWE10MRN	WASH. ,LK,EXT	A2483 A3118		4 68	72		
LWS03MRN	WASH. ,LK,SPLIT	MS2509-2			8		
LWS04MRN	WASH. ,LK,SPLIT	MS2509-2			48		
LWS37MRN	WASH. ,LK,SPLIT	A3118			4		
MS154-1	PL,MTG,TERM.BD	A2079-1 A3118		2 8	10		
MS1850S	PLATE,ACCESS	MS2509-2			4		
MS1901	BASE,EL EQ RACK	A3118			1		
MS2509-2	CAB.,ELEC EQUIP.	LD633			1		
MS2513	DOOR,REAR	A3118			1		
MS2537	CHAS,FAN	LD886			1		MACH
MS2999	COV,ACCESS	A3118			1		
MS3005	BRKT,MTG,COV	A2483			2		
MS3086	CND,RACEWAY,MTL	A3113			1		
MS3092	CAB.,ELEC EQUIP.	A3118			1		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL: RAK-29A

SHEET 4 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MS 3094	BRKT,SPT,SD,L	A3118			2		
MS 3095	BRKT,SPT,SD,R	A3118			2		
MS 3358	COV,ACCESS	A3118			1		
MS 3400	BRKT,SPG MTG	A3219		1X2	2		
MS 3401	BRKT,SPG MTG	A3179		1X2	2		
MS 3420-10A	BUSH. ,CBL	CA661-2		2X2	4		
MS 3420-12A	BUSH. ,CBL	CA661-2		2X2	4		
MWC14/19/U0	WIRE ,ELEC ,INS	A3113					
MWC14/19/U9	WIRE ,ELEC ,INS	A3113					
MWC16/19/U0	WIRE ,ELEC ,INS	CA661-2		94X2	188		
MWC16/19/U1	WIRE ,ELEC ,INS	CA661-2		94X2	188		
MWC18/16/U9	WIRE ,ELEC ,INS	CA661-2		94X2	188		
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		
MWC22/7/SJO	CBL,SP,SHLD/JKT	CA744					

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**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 5 OF 15

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	CA744					
MWC22/7/SJ2	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ3	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ4	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ5	CBL,SP,SHLD/JKT	CA661-2 CA744		94X2			
MWC22/7/SJ6	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ7	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ8	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ9	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ90	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ91	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ92	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ93	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ94	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ95	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ96	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ97	CBL,SP,SHLD/JKT	CA744					
MWC22/7/SJ98	CBL,SP,SHLD/JKT	CA744					
MWC22/7/U0	WIRE,ELEC,INS	CA409-32		2X2	4		
MWC22/7/U2	WIRE,ELE C,INS	CA661-2		94X2	188		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 6 OF 15

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/U4	WIRE ,ELEC ,INS	CA744					
MWC22/7/U6	WIRE ,ELEC ,INS	CA661-2		94X2	188		
MWC22/7/U7	WIRE ,ELEC ,INS	CA661-2 CA744		94X2			
MWC22/7/U8	WIRE ,ELEC ,INS	CA661-2 CA744		94X2			
MWC22/7/U9	WIRE ,ELEC ,INS	CA744					
MWC22/7/U94	WIRE ,ELEC ,INS	CA744					
MWC22/7/U97	WIRE ,ELEC ,INS	CA744					
MWC22/7/U98	WIRE ,ELEC ,INS	CA744					
NP103-42	PLATE ,IDENT	A3118			1		
NT117-2520A	NUT ,SELF -LKG ,FLT	MS2509-2			24		
NT129-632-3	NUT ,PLN ,SPLINE	MS3086			4		RD
NT129-832-4	NUT ,PLN ,SPLINE	MS2537 MS3005		12 1X2	14		RD RD
NT129-832-6	NUT ,PLN ,SPLINE	MS3400 MS3401		2X2 2X2	8		RD RD

MATERIAL LIST / NUMERICAL PARTS LIST		REV.																	MODEL:				RAK-29A		
																							SHEET 7 OF 15		
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	A2079-1 MS2509-2		8 48	56																				
NTH0440BN8	NUT,PLN,HEX	A2483			4																				
NTH0632BN8	NUT,PLN,HEX	A2079-1, A3118		8 2	10																				
NTH0832BN10	NUT,PLN,HEX	CA744			7																				
NTH1032BN10	NUT,PLN,HEX	A3118			8																				
NTH1032BN12	NUT,PLN,HEX	A2483			4																				
PL169	CONN,PL,-BNC	CA480-3 CA480-3 CA480-3 CA480-3 CA480-3 CA480-3		2 2 2 2 2 2	12	P914,915 P916,917 P918,919 P920,921 P922,923 P924,925 W917 W910 W916 W919 W915 W918																			
PL171	CONN,PL,ML,AC	CA575-2 CA555-1 CA555-1		1 1 1	3	P901 P902 P903 W901 W906 W907																			
PL176	CONN,PL,FML,AC	CA555-1 CA555-1		1 1	2	P904 P905 W906 W907																			
PL212-1	CONN,PL,FML	CA661-2 CA661-2		1 1	2	P906 P907 W908 W909																			
PL212-2	CONN,PL,FML	CA661-2 CA661-2		1 1	2	P908 P909 W908 W909																			

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 8 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PM531B27.06	ROD,DOORLATCH	MS2513			2		
PO160	CND,RACEWAY,MTL	MS3086			1		BLANK
PO161	END FTG,BLANK	A3113			1		
PO162	CONDUIT OUTLET	A3113			1		
PO163-2.000	COVER,CND	A3113			1		
PO163-2.750	COVER,CND	A3113			2		
PO163-4.625	COVER,CND	A3113			1		
PO163-9.000	COVER,CND	A3113			1		
PO163-9.625	COVER,CND	A3113			1		
PO186	CAM,2 PT CATCH	MS2513			1		
PX100-1-085	INS SLVG,SZ 12	CA661-2		2X2	4		BLK
PX100-1-106	INS SLVG,SZ 10	CA661-2		2X2	4		BLK
PX100-1-133	INS SLVG,SZ 8	CA744					BLK
PX100-1-166	INS SLVG,SZ 6	CA744					BLK
PX100-1-208	INS SLVG,SZ 4	CA744					BLK
PX100-1-263	INS SLVG,SZ 2	CA744					BLK

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**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL: RAK-29A

SHEET 9 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PX100-1-330	INS SLVG,SZ 0	CA662-2		92X2	184		BLK
PX100-1-438	INS SLVG,SZ 7/16	CA744					BLK
PX100-1-625	INS SLVG,SZ 5/8	CA744					BLK
PX100-1-1000	INS SLVG,SZ 1	CA744					BLK
PX100-1-1500	INS SLVG,SZ 1-1/2	CA744					BLK
PX336-4	INS ,TERM. BD	A2079-1					
PX544-4	INS ,TERM. BD	LD880			1		MACH
PX704	BD ,MTG ,TERM. BD	LD1187			1		MACH
PX10001-1	BUSH. ,ELEC CND	CA741-1		2			
		CA741-2		2	4		
RG59/U	CBL,RF	CA480-6		90			W911
		CA480-6		90	180		W912
RG174/U	CBL,RF	CA480-3		97			W910
		CA480-3		103			W915
		CA480-3		102			W916
		CA480-3		97			W917
		CA480-3		103			W918
		CA480-3		102	604		W919
SCBP0440BN6	SCR,MACH	A2483			4		
SCBP0440BN8	SCR,MACH	A3118			16		
SCBP0440BN12	SCR,MACH	A2079-1			4		
SCBP0540BN3	SCR,MACH	A3113			16		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 10 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
SCBP0632BN6	SCR, MACH	A3118		4			
		A3179		4X2			
		A3219		4X2	20		
SCBP0632BN8	SCR, MACH	A3118			2		
SCBP0632BN14	SCR, MACH	A2079-1			8		
SCBP0832BN4	SCR, MACH	A2483		2			
		A3118		3	5		
SCBP0832BN8	SCR, MACH	CA744			7		
SCBP1032BN4	SCR, MACH	A3118			4		
SCBP1032BN8	SCR, MACH	A2483		2			
		A3118		8	10		
SCBP2520BN10	SCR, MACH	MS2509-2			24		
SCFP0348BN6	SCR, MACH	MS2509-2			8		
SCFP0440BN8	SCR, MACH	MS2509-2			48		
SCFP1032BN6	SCR, MACH	A3118			24		
SCHH0832SN8	SCR, MACH	A3118			8		
SCHH1032SN8	BOLT, MACH	A3118			56		
SCHH3716SN16	BOLT, MACH	A3118			4		
SFB0256SN3	SCR, TAP., THD CTG	A3118			4		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 11 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
SP137-1	RETR, CORD, SWBD	A3179		1X2			
		A3219		1X2	4		
TA100-2	INS TAPE, ELEC	CA744					1/2W
TE112-2	TERM. , LUG-LKG	A3113			16		NO. 6
TE117-30	SPACER, SLV	A2079-1			8		
TE120-2	TERM. , LUG, SPADE	CA409-32		2X2			NO. 6
		CA550		4			NO. 6
		CA575-2		2			NO. 6
		CA744		82	92		NO. 6
TE159-34160	TERM. , LUG-INS	CA741-1		4			NO. 8
		CA741-2		4	8		NO. 8
TK107-18	TRACK SET, TILTLK	A3118			2		3-1/2
TK108-18	TRACK SET, TILTLK	A3118			2		1-3/4
TM102-4	TERM. BD-BARR	A2079-1			1	E901	
TM102-14	TERM. BD-BARR	A3118			2	TB907,908	
TM102-20	TERM. BD-BARR	A3118			2	TB909,910	
TM105-2AR	TERM. BD-FNG	CA744			2	TB901,903	
TM105-8AL	TERM. BD-FNG	CA744			1	TB911	
TM105-12AR	TERM. BD-FNG	CA744			2	TB905,906	
TM105-16AR	TERM. BD-FNG	CA744			2	TB902,904	
UG260*/U	CONN, PL-BNC	CA480-6		2		P910,911	W911
		CA480-6		2	4	P912,913	W912

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 12 OF 15

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
WA101-4	WASH. ,NM	A2079-1			8		
WI134-2-12	CBL,PWR,2/C,CLD	CA555-1		1X2			
		CA575-2		1	3		
WI138-1	CBL,PWR,ARM. ,2/C	CA741-1		23			
		CA741-2		26	49		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL:

RAK-29A

SHEET 13 OF 15

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			
A2079-1	FAN ASSY	A3118			1		
A3118	RAK-29A FNL ASSY	RAK-29A			1		
A3179	SPG ASSY,RETR	A3118			2		
A3219	SPG ASSY,RETR	A3118			2		
AF103	FIL,RADIO INTFER	A3118			1	FL901	#A2483
AX415	AC PWR STRIP	A3118			1		#A3113
CA409-32-2.00	LEAD,ELEC	A2079-5			2	W913,914	
CA480-3-97	CBL ASSY,RF	A3118			2	W910,917	
CA480-3-102	CBL ASSY,RF	A3118			2	W916,919	
CA480-3-103	CBL ASSY,RF	A3118			2	W915,918	
CA480-6-90	CBL ASSY,RF	A3118			2	W911,912	
CA550	WRG HARN,BRCHD	A2079-5			1	W905	
CA555-1	CBL ASSY,PWR	A3118			2	W906,907	
CA575-2	CBL ASSY,PWR,AC	A2079-5			1	W901	2/C,CLD
CA661-2	CBL ASSY,SP,8/C	A3118			2	W908,909	INTCONN
CA741-1	CBL ASSY,PWR,2/C	A3118			1	W903	ARM.
CA741-2	CBL ASSY,PWR,2/C	A3118			1	W902	ARM.
CA744	WRG HARN,BRCHD	A3118			1	W904	

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL: RAK-29A

SHEET 14 OF 15

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			
CH320	CHART, UNIT BKDN	RAK-29A			1		
CK621	DIAG, WRG	RAK-29A			1		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL: RAK-29A

SHEET 15 OF 15

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 MS2509-2 MS2513 MS2537 MS2999 MS3094 MS3095 MS3358					
S404	IRIDITE, YEL	MS3005 MS3400 MS3401					
S520	PAINT, BLU-GY TEX	MS1850S MS2509-2 MS2513 MS2537 MS2999 MS3094 MS3358					