

CABINET, ELECTRICAL EQUIPMENT

MODEL RAK-22A1 REV F

TITLE

USED ON
MODEL SECTION
DDR-5A1

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
1-23
24-27
28
NONE REQ
NONE REQ

LAST SYMBOLS

B9001 MP9017
C9001 P9120
CP9003 TB9002
E9002 W9064
FL9000

COMPILED J. SABATINO
CHECKED J. SABATINO
APPROVED
FNL APPR
ISS DATE

MISSING SYMBOLS

NONE

SPECIAL SYMBOLS

SEE DDR-5A1 LIST
CP9001 P9057
CP9003 P9058
P9002 P9059
P9003 P9060
P9056

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**

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MODEL:

RAK-22A1

SHEET 1 OF 28

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	A2558		1		MP9001	
		A2558		1	2	MP9003	
AD103-11	FIL,AIR COND	AX390		1		MP9000	A9000
		AX390		1	2	MP9002	A9001
BL112	FAN,CENT. ,DUAL	AX390		1		B9000	A9000
		AX390		1	2	B9001	A9001
BS100	SOLDER,TIN ALY	A3083					
		AX390					
		CA490-32					
		CA412-34					
		CA412-36					
		CA480-3					
		CA686-1					
		CA687-2					
		CA696-1					
		CA701-1					
		CA703					
		CA704					
		CA705-1					
CD101-1MW	CD,NYLON,LACING	CA686-1					
		CA687-1					
		CA687-2					
		CA703					
		CA704					
		CA705-1					

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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			
CP113-1	CAP., FXD, P, 370V	AX390		1		C9000	A9000
		AX390		1	2	C9001	A9001
CU102-1	CLAMP, LOOP	A2558			5		1/8 D
CU102-2	CLAMP, LOOP	A2558			4		3/16 D
CU102-5	CLAMP, LOOP	CA703		1X2			3/8 D
		CA705-1		1	3		3/8 D
CU102-10	CLAMP, LOOP	A2558			2		5/8 D
CU102-12	CLAMP, LOOP	A2558			6		3/4 D
CU102-13	CLAMP, LOOP	A2558			2		7/8 D
CU107-2	BUSH., STR REL	A2558		2			
		AX390		1X2	4		
CU113	BOX CONN, ELEC	A2483			3		
CU131-5	CLAMP, LOOP, CUSH	A2558			8		5/8 D
CU131-6	CLAMP, LOOP, CUSH	A2558			2		3/4 D
CU131-10	CLAMP, LOOP, CUSH	A2558			10		1-1/2 D
CU142-1-9	STRAP, CBL, ADJ	A2558			320		
CU142-4-9	STRAP, CBL, ADJ	A2558			14		
CU143-1	RET., CAP.	AX390		1X2	2		
EY102-15	GROM, RUB., 1/2 D	A3083			1		
EY102-22	GROM, RUB., 3/4 D	A3083			1		

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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			
EY102-26	GROM,RUB. ,7/32 D	AX390		4 X2	8		
FI102	FIL,RADIO INTFER	A2483			1		
FP194	DEFLECTOR,AIR	A3594			48		
FS102-1	LOCKSPRING	A3594			8		
FS109-3	RING,RETAINING	MS3104		4X2	8		
FS110-1	STUD,TURNLOCK	MS3104		4X2	8		
FS115-1	CLIP,SPRING TENS	FP194		2X48	96		
FW06HBN	WASH. ,FLAT	CA703-1		1X2	1		
		CA705-1		1	3		
		CA703		1	2		
		CA703		1	2		
FW10HBN	WASH. ,FLAT	A2483		4			
		A2558		19			
		A3594		4			
		FP194		2X48	123		
GA152	GASKET,RECT	A3594			4		
GS100	GLASS ,LAM,FLAT	A3126		1			
		A3590		1	2		
HA114-1	HDL,DOOR,FLUSH	MS3099-1		1			
		MS3099-2		1	2		
HA120	HDL,BOW	A3126		1			
		A3590		1	2		

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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			
HI114	HINGE , BUTT	A3126		1			
		A3590		1	2		
JJ213	ADPT, CONN, RF	A3083			2	CP9000,9002	
LD1341/MS3351	CHASSIS , FAN	AX390		1X2	2		
LD1099/MS2974	CHAS , OUTPUT	A3083			1		
LK101-1L	CATCH, FRICTION	A3594			1		
LK101-1R	CATCH, FRICTION	A3594			1		
LK101-2	STRIKE , CATCH	A3126		1			
		A3590		1	2		
LK102-1L	CATCH, FRICTION	A3594			1		
LK102-1R	CATCH, FRICTION	A3594			1		
LK102-2	STRIKE , CATCH	MS3100-1		1			
		MS3100-2		1	2		
LK103	LOCK, RIM, DISC	A3126		1			
		A3590		1	2		
LWE04MRN	WASH. , LK, EXT	A2483		4			
		A3083		4			
		AX390		4X2	16		
LWE06MRN	WASH. , LK, EXT	A3083		4			
		CA703		1X2			
		CA705-1		1	7		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

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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			
LWE10MRN	WASH. ,LK,EXT	A2483 A2558	CU102 CU131	4 39	43		
LWI06MRN	WASH. ,LK,INT	A2558	A3083		4		
LWI08MRN	WASH. ,LK,INT	A2558	AF103		4		
LWI10MRN	WASH. ,LK,INT	MS3100-1 MS3100-2		2 2	4		
LWS03MRN	WASH. ,LK,SPLIT	A3594			16		
LWS04MRN	WASH. ,LK,SPLIT	A3594			24		
LWS06MRN	WASH. ,LK,SPLIT	AX390		2X2	4		
MS154-1	PL,MTG,TERM. BD	A3083 AX390		2 2X2	6		
MS1850S	PLATE,ACCESS	A3594			3		
MS2470	BRKT,SPG MTG	A2558			14		
MS2974	CHAS,OUTPUT	LD1099			1		
MS3005	BRKT,MTG,COV	A2483			2		
MS3081	CAB.,ELEC EQUIP	A3594			1		
MS3093	DUCT,AIR,CENTER	MS3081			1		
MS3098-1	DUCT,AIR	MS3081			1		

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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			
MS3098-2	DUCT,AIR		MS3081		1		
MS3099-1	DOOR, REAR,R		A3594		1		
MS3099-2	DOOR, REAR,L		A3594		1		
MS3100-1	DOOR,FR,BOT,R		A3594		1		
MS3100-2	DOOR,FR,BOT,L		A3594		1		
MS3101	FLANGE ,TANK		MS3734-1	1			
MS3104	COVER, TOP		MS3734-2	1	2		
MS3104	COVER, TOP		A3594		2		
MS3351	CHASSIS ,FAN		LD1341	1X2	2		MACH MACH
MS3352	COV,FAN CHAS		AX390	1X2	2		A9000
			AX390	1	2		A9001
MS3420-8A	BUSH. ,RUB.		CA686-1	2X2			
			CA687-1	2X2			
			CA687-2	2X2			
			CA703-1	2X2			
			CA704-2	4X2	24		
			CA687-2	2			
			CA703	2			
			CA700	2			
			CA704	4	24		
			CA704	4	24		

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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			
MS3420-12A	BUSH., RUB				24		
		CA686-1		2X2			
		CA687-1		2X2			
		CA687-2		2X2			
		CA703-		2X2			
		CA704-		4X2			
		CA687-2					
		CA703					
		CA703					
		CA704					
		CA704					
		CA704					
		A3594			1		
MS3734-1	TANK, PRESSURE, L	A3594			1		
MS3734-2	TANK, PRESSURE, R	A3594			1		BLK
MWC16(19)U0	WIRE, ELEC, INS	CA704		116X2	232		
MWC16(19)U1	WIRE, ELEC, INS	CA687-1		76X2			BRN
		CA687-2		81X2			BRN
		CA704-2		606X2	1526		BRN
		CA687-2					
		CA704					
		CA704					
MWC16(19)U91	WIRE, ELEC, INS	CA687-1		76X2			WHT/BRN
		CA687-2		81X2			WHT/BRN
		CA704-2		490X2	1294		WHT/BRN
		CA687-2					
		CA704					
		CA704					
		CA704					
MWC16(19)U96	WIRE, ELEC, INS	CA704		116X2	232		WHT/BLU
MWC18(16)U1	WIRE, ELEC, INS	CA703			172		BRN

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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			
MWC18(16)U8	WIRE ,ELEC ,INS	CA704		129X2	258		GY
MWC18(16)U9	WIRE ,ELEC ,INS	CA704		120X2	240		WHT
MWC18(16)U91	WIRE ,ELEC ,INS	CA703			172		WHT/BRN
MWC18(16)U98	WIRE ,ELEC ,INS	CA704		129X2	258		WHT/GY
MWC20(7)U0	WIRE ,ELEC ,INS	CA686-1		78X2			BLK
		CA687-1		75X2			BLK
		CA687-2		81X2	468		BLK
		CA687-1					BLK
		CA687-2					BLK
		CA687-2					BLK
MWC20(7)U1	WIRE ,ELEC ,INS	CA686-1		78X2	156		BRN
MWC20(7)U2	WIRE ,ELEC ,INS	CA686-1		76X2	152		RED
MWC20(7)U3	WIRE ,ELEC ,INS	CA686-1		78X2	156		ORN
MWC20(7)U4	WIRE ,ELEC ,INS	CA686-1		778X2	156		YEL
MWC20(7)U6	WIRE ,ELEC ,INS	CA686-1		78X2			BLU
		CA687-1		76X2			BLU
		CA687-2		81X2	470		BLU
		CA687-1					BLU
		CA687-1					BLU
		CA687-1					BLU

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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			
MWC20(7)U7	WIRE ,ELEC ,INS	CA687-1 CA687-2 CA687-2 CA687-2		76X2 81X2	314	VIO VIO VIO VIO	
MWC20(7)U8	WIRE ,ELEC ,INS	CA687-1 CA687-2 CA687-2 CA687-2		76X2 81X2	314	GY GY GY GY	
MWC20(7)U9	WIRE ,ELEC ,INS	CA687-1 CA687-2 CA687-2 CA687-2		76X2 81X2	314	WHT WHT WHT WHT	
MWC20(7)U90	WIRE ,ELEC ,INS	CA686-1 CA687-1 CA687-2 CA687-1 CA687-2 CA687-2		78X2 76X2 81X2	470	WHT/BLK WHT/BLK WHT/BLK WHT/BLK WHT/BLK WHT/BLK	
MWC20(7)U91	WIRE ,ELEC ,INS	CA686-1 CA686-1		78X2	156	WHT/BRN WHT/BRN	
MWC20(7)U92	WIRE ,ELEC ,INS	CA686-1 CA686-1		78X2	156	WHT/RED WHT/RED	
MWC20(7)U94	WIRE ,ELEC ,INS	CA686-1 CA686-1		78X2	156	WHT/YEL WHT/YEL	
MWC20(7)U95	WIRE ,ELEC ,INS	CA686-1 CA686-1		78X2	156	WHT/GRN WHT/GRN	
MWC20(7)U96	WIRE ,ELEC ,INS	CA686-1 CA686-1		78X2	156	WHT/BLU WHT/BLU	

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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			
MWC20(7)U98	WIRE ,ELEC ,INS	CA687-1 CA687-2 CA687-1 CA687-2		76X2 81X2	314	WHT/GY WHT/GY WHT/GY WHT/GY	
MWC22(7)SJ1	CBL,SP,SHLD/JKT	CA705-1			110	BRN	
MWC22(7)SJ2	CBL,SP,SHLD/JKT	CA703 CA705-1 CA705-1		152X2 110	414	RED RED RED	
MWC22(7)SJ3	CBL,SP,SHLD/JKT	CA703 CA705-1 CA705-1		152X2 110	414	ORN ORN ORN	
MWC22(7)SJ4	CBL,SP,SHLD/JKT	CA703 CA704 CA705-1 CA703 CA705-1 CA705-1		152X2 129X2 110 129 129	672	YEL YEL YEL YEL YEL YEL	
MWC22(7)SJ5	CBL,SP,SHLD/JKT	CA686-1 CA687-1 CA703-1 CA704-1 CA705-1 CA703 CA703 CA704 CA705-1		78X2 76X2 152X2 129X2 110 129 129	980	GRN GRN GRN GRN GRN GRN GRN GRN GRN	
MWC22(7)SJ6	CBL,SP,SHLD/JKT	CA703 CA705-1 CA705-1		152X2 110	414	BLU BLU BLU	

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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)SJ7	CBL,SP,SHLD/JKT	CA705-1			110		VIO
MWC22(7)SJ8	CBL,SP,SHLD/JKT	CA705-1			110		GY
MWC22(7)SJ9	CBL,SP,SHLD/JKT	CA705-1			110		WHT
MWC22(7)SJ91	CBL,SP,SHLD/JKT	CA705-1			110		WHT/BRN
MWC22(7)SJ92	CBL,SP,SHLD/JKT	CA705-1			110		WHT/RED
MWC22(7)SJ93	CBL,SP,SHLD/JKT	CA705-1			110		WHT/ORN
MWC22(7)U0	WIRE,ELEC,INS	CA409-32		3X6			BLK
		CA703-2		486X2			BLK
		CA704		136			BLK
		CA705-1		110	1236		BLK
		CA704					BLK
		CA704					BLK
		CA705-1			6		BLK
MWC22(7)U2	WIRE,ELEC,INS	CA687-1		76X2			RED
		CA687-2		81X2			RED
		CA703-2		86			RED
		CA704-2		245X2	990		RED
		CA703					RED
		CA703					RED
		CA704		145			RED
		CA704		145	490		RED
MWC22(7)U3	WIRE,ELEC,INS	CA704		116X2	232		ORN
		CA704		116	232		ORN

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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)U6	WIRE ,ELEC ,INS	CA703		76X2		BLU	
		CA704		245X2	742	BLU	
		CA704		245		BLU	
		CA704		245	49	BLU	
MWC22(7)U7	WIRE ,ELEC ,INS	CA703		161X2		VIO	
		CA704		129X2	580	VIO	
		CA704		129		VIO	
		CA704		129	248	VIO	
MWC22(7)U90	WIRE ,ELEC ,INS	CA704		123X2	246	WHT/BLK	
		CA704		123	246	WHT/BLK	
MWC22(7)U93	WIRE ,ELEC ,INS	CA704		129X2	2258	WHT/ORN	
		CA704		129	243	WHT/ORN	
MWC22(7)U96	WIRE ,ELEC ,INS	CA703		161X2		WHT/BLU	
		CA704		116X2	554	WHT/BLU	
		CA704		116		WHT/BLU	
		CA704		116	252	WHT/BLU	
NP103-42	PLATE ,IDENT ,COML	A2558			1		
NP427	PLATE ,IDENT ,NAVY	A2558			1		
NT117-2520A	NUT ,SELF -LKG ,FLT	A3594			12		
NT129-632-3	NUT ,PLAIN ,SPLINE	MS3351		14X2	28	RD	
		MS3351		14	28	RD	
NT129-632-4	NUT ,PLAIN ,SPLINE	MS2974			4	RD	
NT129-832-4	NUT ,PLAIN ,SPLINE	MS3005		1X2	2	RD	
		MS3005		1	2	RD	

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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			
PL169	CONN, PL, RF, BNC	CA480-3		2	P9016,9017	W9011	
		CA480-3		2	P9018,9019	W9012	
		CA480-3		2	P9020,9021	W9013	
		CA480-3		2	P9022,9023	W9014	
		CA480-3		2	P9024,9025	W9015	
		CA480-3		2	P9026,9027	W9016	
		CA480-3		2	P9028,9029	W9017	
		CA480-3		2	P9030,9031	W9018	
		CA480-3		2	P9032,9033	W9019	
		CA480-3		2	P9034,9035	W9020	
		CA480-3		2	P9036,9037	W9021	
		CA480-3		2	P9038,9039	W9022	
		CA480-3		2	P9040,9041	W9023	
		CA480-3		2	P9042,9043	W9024	
		CA480-3		2	P9044,9045	W9025	
		CA480-3		2	P9046,9047	W9026	
		CA480-3		2	P9048,9049	W9027	
		CA480-3		2	P9050,9051	W9028	
		CA480-3		2	P9052,9053	W9029	
		CA480-3		2	P9054,9055	W9030	
		CA480-3		2	P9077,9078	W9041	
		CA480-3		2	P9079,9080	W9042	
		CA480-3		2	P9081,9082	W9043	
		CA480-3		2	P9083,9084	W9044	
		CA480-3		2	P9085,9086	W9045	
		CA480-3		2	P9087,9088	W9046	
		CA480-3		2	P9089,9090	W9047	
		CA480-3		2	P9091,9092	W9048	
		CA480-3		2	P9093,9094	W9049	
		CA480-3		2	P9095,9096	W9050	
CA480-3		2	P9097,9098	W9051			
CA480-3		2	P9099,9100	W9052			
CA480-3		2	P9101,9102	W9053			
CA480-3		2	P9103,9104	W9054			
CA480-3		2	P9105,9106	W9055			
CA480-3		2	P9107,9108	W9056			
CA480-3		2	P9109,9110	W9057			

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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																		
PL169 (CONT.)						CA480-3		2		P9111,9112		W9058														
						CA480-3		2		P9113,9114		W9059														
						CA480-3		2		P9115,9116		W9060														
						CA480-3		2		P9117,9118		W9061														
						CA480-3		2	84	P9119,9120		W9062														
PL176			CONN,PL,FML,AC			CA696-1		1		P9000		W9000														
						CA696-1		1	2	P9061		W9031														
PL177			CONN,PL,ML,AC			CA706-1		1		P9001		W9001														
						CA706-1		1		P9062		W9032														
						CA701-1		1	3	P9075		W9038														
PL212-1			CONN,PL,ML			CA687-1		1		P9006		W9003														
						CA704		2		P9008,9010		W9004														
						CA687-2		1		P9012		W9005														
						CA703		1		P9014		W9006														
						CA687-1		1		P9065		W9034														
						CA704		2		P9067,9069		W9035														
						CA687-2		1		P9071		W9036														
						CA703		1	10	P9073		W9037														
PL212-2			CONN,PL,FML			CA686-1		1		P9005		W9002														
						CA687-1		1		P9007		W9003														
						CA704		2		P9009,9011		W9004														
						CA687-2		1		P9013		W9005														
						CA703		1		P9015		W9006														
						CA686-1		1		P9064		W9033														
						CA687-1		1		P9066		W9034														
						CA704		2		P9068,9070		W9035														
						CA687-2		1		P9072		W9036														
						CA703		1	12	P9074		W9037														
PL212-3			CONN,PL,ML			CA686-1		1		P9004		W9002														
						CA686-1		1	2	P9063		W9033														

**MATERIAL LIST /
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MODEL: RAK-22A1

SHEET 16 OF 28

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PM824	CAM, LOCK	A3126		1			
		A3590		1	2		
PM825-2	TRIM, SIDE	A3594			2		
PM825-3	TRIM, TOP	A3594			1		
PM826	BRKT, ANG	A3126		4			
		A3590		4	8		
PM827	SPACER, BAR	A3126		1			
		A3590		1	2		
PM828	FRAME SECT, WINDOW	A3126		1			
		A3590		1	2		
PM829	FRAME SECT, WINDOW	A3126		2			
		A3590		2	4		
PM830-1	FRAME SECT, WINDOW	A3126			1		
PM830-2	FRAME SECT, WINDOW	A3590			1		
PN114-4	PIN GROOVED, HDLSW	A2558	For HFR-1	4			
		A2558	For HFS-1	2	6		
PO260	CAM, LOCK	MS3099-1		1			
		MS3099-2		1	2		
PX100-1-1.000	INS SLVG, SZ 1	CA412-34		54X4	216 216		BLK

**MATERIAL LIST /
NUMERICAL PARTS LIST**

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MODEL:

RAK-22A1

SHEET 18 OF 228

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PX100-1-500	INS SLVG,SZ 1/2	CA703 CA705-1 CA705-2		38X2 110	186	BLK BLK	
PX100-1-625	INS SLVG,SZ 5/8	CA704 CA704		113X2 113	226	BLK BLK	
PX100-3-375	INS SLVG,SZ 3/8	CA687-2 CA687-2		81X2 81	162	ORN ORN	
PX100-4-375	INS SLVG,SZ 3/8	CA687-1 CA687-1		76X2 76	152	YEL YEL	
PX100-5-375	INS SLVG,SZ 3/8	CA686-1 CA686-1		78X2 78	156	GRN GRN	
PX104-7-022	INS SLVG,SZ 24	CA686-1 CA686-1		1X2 1	2	GY GY	
PX336-5	INS TERM. BD	AX390 AX390		1X2 1	2		
PX337-16	INS ,TERM. BD	A3083			1		
PX664	BD ,MTG ,ANT. ADPT	A3083			1		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

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MODEL:

RAK-22A1

SHEET 19 OF 28

PART NO.	DESCRIPTION	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		72X8	4852		
		CA480-3		97X10			
		CA480-3		128X12			
		CA480-3		140X6			
		CA480-3		150X4			
		CA480-3		160X1			
		CA480-3		170X1			
RY135-2	BUMPER, RUB	MS 3099-1		2	4		
		MS 3099-2		2			
RY151-89.00	RUBBER CHANNEL	A3126		1	2		
		A3590		1			
SCBP0440BN6	SCR, MACH	A2483			4		
SCBP0440BN9	SCR, MACH	A3083			4		
SCBP0440BN10	SCR, MACH	AX390		4X2	8		
SCBP0632BN5	SCR, MACH	A2558			18		
SCBP0632BN6	SCR, MACH	A3083		4	93		
		A3126		2			
		A3590		2			
		A3594		40			
		AX390		21X2			
		CA703		1X2			
		CA705-1		1			
SCBP0632SN4	SCR, MACH	A3126		9	18		
		A3590		9			
SCBP0832BN4	SCR, MACH	A2483			2		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

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MODEL:

RAK-22A1

SHEET 21 OF 28

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
SP137-2	RETR, CORD, SWBD	A2558		2		MP9004,9005	
		A2558		2		MP9006,9007	
		A2558		2		MP9008,9009	
		A2558		2		MP9010,9011	
		A2558		2		MP9012,9013	
		A2558		2		MP9014,9015	
		A2558		2	14	MP9016,9017	
TA111-2-4-50.00A	TAPE, URETHANE	MS3100-1		1			
		MS3100-2		1	2		
TA111-2-4-66.00A	TAPE, URETHANE	A3126		1			
		A3590		1	2		
TA111-4-8-4.25A	TAPE, URETHANE	AX390		4X2	8		
		AX390			2		
TA111-4-8-6.25A	TAPE, URETHANE	AX390		4X2	8		
		AX390			2		
TE120-2	TERM., LUG, SPADE	AX390		5X2			NO. 6
		CA409-32		2X6			NO. 6
		CA703-32		14X2			NO. 6
		CA706-12		2X2	54		NO. 6
		CA703		14			NO. 6
		CA703		14			NO. 6
		CA706-12		2			NO. 6
TE141-1	TERM., LUG, NO. 6	CA412-36		1X2	2		
		CA412-36		1X2	2		
TE141-3	TERM., LUG, NO. 10	CA412-36		1X2	2		
TE141-8	TERM., LUG, NO. 10	CA412-34		2X4	8		
TE149-120	TERM., LUG, NO. 4	A3083			2		

**MATERIAL LIST /
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MODEL: RAK-22A1

SHEET 22 OF 28

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	CA696-1		3 X2	6		NO.10
TE156-32945	TERM. ,LUG,INS	CA718			3		NO.6
TE159-32957	TERM. ,LUG,INS	CA704		1 X2	2		NO.6
TE159-34161	TERM. ,LUG,INS	CA718			3		NO.10
TK114-18	TRACK SET,FXD	A2558	AFC-3	2			2
		A2558	HFP-1	2			2
		A2558	HNF-1	2	6		2
TK115-18	TRACK SET,TILTLK	A2558	DVM-4	1			3½
		A2558	HFA-1	2			3½
		A2558	HFI-1	2			3½
		A2558	HFR-1	2			3½
		A2558	HFS-1	1	8		3½
TM100-16	TERM. BD, BARR	A3083		1	1	TB9001	
TM102-5	TERM. BD, BARR	AX390		1	2	TB9000	A9000
		AX390		1	2	TB9002	A9001
TM105-16AL	TERM. BD ,FNG	CA703		1		E9000	W9006
		CA705-1		1		E9001	
		CA703		1	3	E9002	W9037
WA139-1	WASH. ,RECESSED	AX390		8 X2	16		
WI112-1	CBL,SP,2/C	CA706-1		54 X2	108		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

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MODEL:

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SHEET 223 OF 28

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
WI121-1	CBL,PWR,2/C	CA701-1			115		
WI121-9	CBL,PWR,3/C	CA696-1		75X2			
WL100-4	WIRE,ELEC,BUSS	CA718-1 A3083		72 72	222 102		
WL100-8	WIRE,ELEC,BUSS	CA686-1 CA686-1		1X2	2		SZ 24 SZ 24
WL103-5	BRD,WIRE,FLAT	CA412-36		34X2	68		
WL103-8	BRD,WIRE,FLAT	CA412-34		54X4	216		

**MATERIAL LIST /
NUMERICAL PARTS LIST**

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MODEL:

RAK-22A1

SHEET 24 OF 28

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			
A2558	RAK-22A1 FNL ASSY	RAK-22A1			1		
A3083	CHAS ASSY,OUTPUT	A2558			1		
A3126	DOOR ASSY,WINDOW	A3594			1		R SD
A3590	DOOR ASSY,WINDOW	A3594			1		L SD
A3594	CAB.,EL EQ-DUAL	A2558			1		#A2483
AF103	FIL,RADIO INTFER	A2558			1	FL9000	#A2483
AX390	FAN ASSY	A3594		1		A9000	
CA409-32-2.25	LEAD,ELEC	A3594		1	2	A9001	
		AX390		3X2	6		
CA412-34-54.00	LEAD,ELEC	A2558		1		W9009	RCVR 1
		A2558		1		W9010	RCVR 1
		A2558		1		W9039	RCVR 2
		A2558		1	4	W9040	RCVR 2
CA412-36-34.00	LEAD,ELEC	A2558		1		W9063	RCVR 1
		A2558		1	2	W9064	RCVR 2
CA480-3-72	CBL ASSY,RF	A2558		1		W9012	RCVR 1
		A2558		1		W9013	RCVR 1
		A2558		1		W9014	RCVR 1
		A2558		1		W9015	RCVR 1
		A2558		1		W9042	RCVR 2
		A2558		1		W9043	RCVR 2
		A2558		1		W9044	RCVR 2
		A2558		1	8	W9045	RCVR 2

MATERIAL LIST / NUMERICAL PARTS LIST		REV.																	MODEL: RAK-22A1		SHEET 25 OF 28	
			DESCRIPTION SUPP ASSY/REF DWGS			ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS											
PART NO.			USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT																	
CA480-3-97	CBL ASSY,RF		A2558		1		W9017		RCVR 1													
			A2558		1		W9020		RCVR 1													
			A2558		1		W9021		RCVR 1													
			A2558		1		W9022		RCVR 1													
			A2558		1		W9023		RCVR 1													
			A2558		1		W9047		RCVR 2													
			A2558		1		W9050		RCVR 2													
			A2558		1		W9051		RCVR 2													
			A2558		1		W9052		RCVR 2													
			A2558		1	10	W9053		RCVR 2													
CA480-3-128	CBL ASSY,RF		A2558		1		W9018		RCVR 1													
			A2558		1		W9019		RCVR 1													
			A2558		1		W9024		RCVR 1													
			A2558		1		W9025		RCVR 1													
			A2558		1		W9027		RCVR 1													
			A2558		1		W9028		RCVR 1													
			A2558		1		W9029		RCVR 1													
			A2558		1		W9030		RCVR 1													
			A3083		1		W9041		RCVR 2													
			A2558		1		W9048		RCVR 2													
			A2558		1		W9049		RCVR 2													
			A2558		1	12	W9055		RCVR 2													
		CA480-3-140	CBL ASSY,RF		A2558		1		W9016		RCVR 1											
	A2558				1		W9026		RCVR 1													
	A2558				1		W9056		RCVR 2													
	A2558				1		W9057		RCVR 2													
	A2558				1		W9061		RCVR 2													
	A2558				1	6	W9062		RCVR 2													

**MATERIAL LIST /
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MODEL:

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SHEET 26 OF 28

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			
CA480-3-150	CBL ASSY,RF	A2558		1		W9054	RCVR 2
		A2558		1		W9058	RCVR 1,2
		A2558		1		W9059	RCVR 2
		A2558		1	4	W9060	RCVR 2
CA480-3-160	CBL ASSY,RF	A3083			1	W9011	RCVR 1
CA480-3-170	CBL ASSY,RF	A2558			1	W9046	RCVR 2
CA686-1	CBL ASSY,SP,12/C	A2558		1		W9002	RCVR 1
		A2558		1	2	W9033	RCVR 2
CA687-1	CBL ASSY,SP,11/C	A2558		1		W9003	RCVR 1
		A2558		1	2	W9034	RCVR 2
CA687-2	CBL ASSY,SP,11/C	A2558		1		W9005	RCVR 1
		A2558		1	2	W9036	RCVR 2
CA696-1	CBL ASSY,PWR,AC	A2558		1		W9000	RCVR 1
		A2558		1	2	W9031	RCVR 2
CA701-1	CBL ASSY,PWR,AC	A2558			1	W9038	RCVR 2
CA703	WRG HARN,BRCHD	A2558		1		W9006	RCVR 1
		A2558		1	2	W9037	RCVR 2
CA704	WRG HARN,BRCHD	A2558		1		W9004	RCVR 1
		A2558		1	2	W9035	RCVR 2
CA705-1	CBL ASSY,SP,16/C	A3083			1	W9008	RCVR 1
CA706-1	CBL ASSY,PWR,AC	AX390		1		W9001	A9000
		AX390		1	2	W9032	A9001
CA718	CBL ASSY,PWR,AC	A2558			1	W9007	RCVR 1
CH347	CHART,UNIT BKDN	RAK-22A1			1		

MAMARONECK, NEW YORK

THE TECHNICAL MATERIEL CORPORATION

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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			
CK607	DIAG, WIRING	RAK-22A1			1		

**MATERIAL LIST /
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MODEL:

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SHEET 28 OF 28

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 MS3081 MS3099-1 MS3099-2 MS3100-1 MS3100-2 MS3104 MS3351 MS3352					
S404	IRIDITE, YEL	MS2470 MS2974 MS3005					
S520	PAINT, BLU GY TEX	MS1850S MS3081 MS3099-1 MS3099-2 MS3100-1 MS3100-2 MS3104 MS3351 MS3352					

