

MATERIAL LIST				REV	A	B	C	D	E	MODEL	RAK-10A1		
										SHEET	1	OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS					
						USED ON	QUAN.						
1	AD-103-2		2	Filter, Air	Rear			MP601					
1	AD-103-5		2	Filter, Air	Top			MP602					
2	BL-106-2		2	Fan, Ventilating		A-2060-1	2	B602, 603					
3	JJ-170		1	Connector, Receptacle AC		AX-243	3	J612, 613, 614					
2	MS-154-1		1	Plate, Straddle, Terminal Strip		A-2060-1	2						
3	MS-1850-S		2	Door, Access									
1	MS-1872		2	Bracket, Connector		LD631							
2	MS-1876		1	Bracket, Filter Retaining		A-2060-1	2						
2	MS-1879		1	Arm, Retractor Spring		AS-116	2						
1	MS-2287		8	Chassis, Blower		LD881	1						
1	MS-2494		1	Strip, AC Channel		AX-243	1	Modify PO-160					
1	MS-2512 (5 Sheets)		8	Cabinet, Elec. Equipment									
2	MS-2524		1	Track, Power Supply Support				Supp. by Cab. Mfr.					
2	MS-2527		1	Bracket, Spring Retractor Mounting									
1	MS3057-10		1	Adapter, Cable		CA-490	1	For P615					
1	MS3057-16		1	Clamp, Cable		CA-507	1	For P609					
1	MS3057-20		4	Clamp, Cable		CA-491	1	For P614					
1	MS3102A18-16S		-	Connector, Receptacle, Female		CA-490	1	J604					
1	MS3102A32-7S		-	Connector, Receptacle, Female		CA-491	1	J605					

MATERIAL LIST				REV	A	B	C	D	E	MODEL	RAK-10A1		
										SHEET	2	OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS					
						USED ON	QUAN.						
1	MS3106B18-16P		1	Connector, Plug		CA-490	1	P615					
1	MS3106B28-11P		1	Connector, Plug, Male		CA-507-1	1	P609					
1	MS3106B32-7P		1	Connector, Plug, Male		CA-491	1	P614					
1	MS3420-6A		1	Bushing, Cable		CA-490	1	For P615					
1	MS3420-8A		1	Bushing, Cable		CA-490	1	For P615					
2	MS3420-16A		1	Bushing, Cable		CA-507	1	For P609					
						CA-491	1	For P614					
1	NP-103-42		4	Nameplate, Commercial				When Required					
1	NP-		1	Nameplate, Signal Corp				When Required					
1	PL-134-NG		1	Connector, Locking Type		CA-509	1	P601					
2	PL-169			Connector, Plug, RF		CA-480-3	2	P608,610					
1	PL-171		1	Connector, Plug, AC		CA-569-3	1	P623					
1	PL-259A/TEF.		1	Connector, Plug, Male		CA-480-9	1	P612					
1	PO-160		1	Strip, Connector				Modify as per MS-2494					
1	PO-161		1	End Fitting, Blank		AX-243	1						
1	PO-162		1	End Fitting, Cable Entry		AX-243	1						
11	PO-163-2.937		1	Cover, 2-15/16"		AX-243	11						
1	PX-544-4		1	Insulator, Terminal Strip		LD-880	1						
2	SP-137-2		1	Spring, Retracting		AS-116	2						
4	TK-107-18		4	Slide Set, Tilt Lock				For RFD,VOX,SBE,PS-4					

MATERIAL LIST

REV

A B C D E

MODEL RAK-10A1

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	TM-102-4		1	Terminal Strip, 4 Term.		A-2060-1	1	E608
1	TM-105-11AL		2	Fanning Strip, 11 Term.		CA-589	1	E604
1	TM-105-14AR		2	Fanning Strip, 14 Term.		CA-507-1	1	E605
1	UG-176*/U		1	Adapter, Reducer		CA-480-9	1	For P612
3	UG-260*/U		1	Connector, Plug, Male		CA-480-6	1	P604,
						CA-480-9	1	P611,
						CA-480-6	1	P613,

MATERIAL LIST				REV	A	B	C	D	E							MODEL	RAK-10A1		
																SHEET	4	OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS											
						USED ON	QUAN.												
2	BB-117-2		1	Bearing, Nylon		AS-116	2												
2	CU-101-9		1	Ferrule		AS-116	2												
2	CU-102-5		1	Clamp, "G" Type		CA-507	1												
						CA-589	1												
2	CU-102-12		1	Clamp, "G" Type		CA-490 Mtg.	1												
						CA-491 Mtg.	1												
1	CU-113		1	Clamp		AX-243	1												
1	EY-102-17		2	Grommet, Elastic		A-2060-1	8												
8	EY-102-20			Grommet, Elastic		MS-2512	4	Assembled by Rack Mfr.											
4	FS-102-1		1	Spring, "S" Type		MS-1900	4												
4	FS-109-3		1	Ring, Stud Retaining		MS-1900	4												
4	FS-110-1		1	Stud, Slotted Head		MS-1900	4												
4	FW04HBN		1	Washer, Flat		MS-1876 Mtg.	4												
8	FW06HBN			Washer, Flat		A-2060-1	8												
4	FW25HBN			Washer, Flat		A-2060-1	4												
12	LWE04HBN		1	Washer, Lock, External		A-2060-1	12												
19	LWE06MRN		1	Washer, Lock, External		A-2060-1	8												
						AS-116	2												
						AX-243 Mtg.	3												
						CA-507	1												
						CA-589	1												
						Conn. Mtg.	4												
23	LWE08MRN		1	Washer, Lock, External		AS-116 Mtg.	4												
						CU-102-12 Mtg.	2												
						MS-1872 Mtg.	4												
						MS-2287 Mtg.	9												
						MS-3102 Mtg.	4												

MATERIAL LIST				REV	A	B	C	D	E								MODEL	RAK-10A1		
																	SHEET	5	OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS												
						USED ON	QUAN.													
80	LWE10MRN		1	Washer, Lock, External		A-2038	80													
8	LWS03MRN		1	Washer, Lock, Split		FS-102 Mtg.	8													
36	LWS04MRN		1	Washer, Lock, Split		NT-117 Mtg.	36													
18	NT-117-2520A		2	Nut, Floating Anchor		MS-1850-S Mtg.	18													
4	NT-129-440-3		2	Nut, Swage		MS-1876	4													
3	NT-129-632-3		2	Nut, Swage		MS-2494	3													
19	NT-129-832-4		2	Nut, Swage		MS-1872	4													
						MS-2287	9													
						MS-2527	6													
8	NTH0348BN6		1	Nut, Hexagon		FS-102 Mtg.	8													
44	NTH0440BN8		1	Nut, Hexagon		NT-117 Mtg.	36	(8)A-2060-1												
16	NTH0632BN8		1	Nut, Hexagon		A-2060-1	8													
						AS-116	2													
						CA-507	1													
						CA-589	1													
						Conn. Mtg.	4													
10	NTH0832BN8		1	Nut, Hexagon		AS-116 Mtg.	4													
						Conn. Mtg.	4													
						CU-102-12 Mtg	2													
4	SCBP0440BN4		1	Screw, Machine		A-2060-1	4													
4	SCBP0440BN16		1	Screw, Machine		A-2060-1	4													
6	SCBP0540BN3		1	Screw, Machine		AX-243	6													
3	SCBP0632BN4		1	Screw, Machine		AX-243 Mtg.	3													
6	SCBP0632BN6		1	Screw, Machine		CA-507	1													
						CA-589	1													
						Conn. Mtg.	4													
2	SCBP0632BN8		1	Screw, Machine		AS-116	2													

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST				REV	A	B	C	D	E	MODEL	RAK-10A1		
										SHEET	6	OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS					
						USED ON	QUAN.						
8	SCBP0632BN14			Screw, Machine		A-2060-1	8						
25	SCBP0832BN6		1	Screw, Machine		Conn. Mtg.	4						
						CU-102-12 Mtg.	2						
						MS-1872 Mtg.	4						
						MS-2287 Mtg.	9						
						MS-2527 Mtg.	6						
4	SCBP0832BN8		1	Screw, Machine		AS-116 Mtg.	4						
18	SCBP2520BN16		1	Screw, Machine		MS-1850-S Mtg.	18						
8	SCFP0348BN5		1	Screw, Machine		FS-102 Mtg.	8						
36	SCFP0440BN8		1	Screw, Machine		NT-117 Mtg.	36						
80	SCHH1032SN8		1	Screw, Machine		A-2038	80						
6	TE-112-2		1	Lug, Terminal		AX-243	6						
8	TE-117-30			Spacer		A-2060-1	8						
10	TE-120-2		1	Lug, Solder #6		CA-409	4						
						CA-550	4						
						CA-569-3	2						
8	TE-155-34170		2	Terminal, Solderless		CA-509	6						
						CA-588-1	2						
8	WA-101-4		1	Washer, Fiber, Flat		A-2060-1	8						

MATERIAL LIST				REV	A	B	C	D	E	MODEL	RAK-10A1		
										SHEET	7	OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS					
						USED ON	QUAN.						
RAW MATERIALS													
X	BS-100		1	Solder, Soft									
X	CD-101-1MW		1	Cord, Lacing		CA-550							
51"	HWC10(37)U9		2	Cable, Insulated, Fiberglass	Black	CA-509							
53"	HWC10(37)U90		2	Cable, Insulated, Fiberglass	White	CA-509							
59"	HWC14(19)U0		2	Cable, Insulated, Fiberglass	Wh/Black	CA-509							
X	MWC12(19)U0		2	Cable, Insulated	Black	CA-491							
X	MWC12(19)U9		2	Cable, Insulated	White	CA-491							
X	MWC14(19)U0		2	Cable, Insulated	Black	AX-243							
X	MWC14(19)U9		2	Cable, Insulated	White	AX-243							
X	MWC16(19)U95		2	Cable, Insulated	Wh/Green	CA-491							
X	MWC16(19)U96		2	Cable, Insulated	Wh/Blue-	CA-491							
X	MWC16(19)U97		2	Cable, Insulated	Wh/Violet	CA-491							
X	MWC20(7)U0		2	Cable, Insulated	Black	CA-550							
X	MWC20(7)U4		2	Cable, Insulated	Yellow	CA-550							
X	MWC20(7)U7		2	Cable, Insulated	Violet	CA-550							
X	MWC20(7)U9		2	Cable, Insulated	White	CA-550							
X	MWC22(7)S0		2	Cable, Insulated, Shielded	Black	CA-507							
X	MWC22(7)S1		2	Cable, Insulated, Shielded	Brown	CA-507							
X	MWC22(7)S2		2	Cable, Insulated, Shielded	Red	CA-507							
X	MWC22(7)S3		2	Cable, Insulated, Shielded	Orange	CA-507							
X	MWC22(7)S4		2	Cable, Insulated, Shielded	Yellow	CA-507							
X	MWC22(7)S5		2	Cable, Insulated, Shielded	Green	CA-507							
X	MWC22(7)S6		2	Cable, Insulated, Shielded	Blue	CA-507							
X	MWC22(7)S8		2	Cable, Insulated, Shielded	Gray	CA-507							

MATERIAL LIST				REV	A	B	C	D	E	MODEL	RAK-10A1		
										SHEET	8	OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS					
						USED ON	QUAN.						
X	MWC22(7)U0		2	Cable, Insulated	Black	CA-409-32							
X	MWC22(7)U1		2	Cable, Insulated	Brown	CA-491							
X	MWC22(7)U2		2	Cable, Insulated	Red	CA-491							
X	MWC22(7)U4		2	Cable, Insulated	Yellow	CA-491							
X	MWC22(7)U5		2	Cable, Insulated	Green	CA-491							
X	MWC22(7)U6		2	Cable, Insulated	Blue	CA-491							
X	MWC22(7)U7		2	Cable, Insulated	Violet	CA-491							
X	MWC22(7)U8		2	Cable, Insulated	Gray	CA-491							
X	MWC22(7)U9		2	Cable, Insulated	White	CA-491							
X	MWC22(7)U91		2	Cable, Insulated	Wh/Brown	CA-491							
X	MWC22(7)U92		2	Cable, Insulated	Wh/Red	CA-491							
X	MWC22(7)U93		2	Cable, Insulated	Wh/Orange	CA-491							
X	MWC22(7)U94		2	Cable, Insulated	Wh/Yellow	CA-491							
X	MWC24(7)U0		2	Cable, Insulated	Black	CA-589							
X	MWC24(7)U1		2	Cable, Insulated	Brown	CA-589							
X	MWC24(7)U5		2	Cable, Insulated	Green	CA-589							
X	MWC24(7)U6		2	Cable, Insulated	Blue	CA-589							
X	MWC24(7)U7		2	Cable, Insulated	Violet	CA-589							
X	MWC24(7)U91		2	Cable, Insulated	Wh/Brown	CA-589							
X	PX-100-1-.330		1	Insulation, Sleeving	Black	CA-589							
X	PX-100-1-.375		1	Insulation, Sleeving	Black	CA-507							
X	PX-100-1-.500		1	Insulation, Sleeving	Black	CA-509							
6-4	PX-100-1-.625		1	Insulation, Sleeving	Black	CA-491		76					
12-1	RG-59/U		1	Cable, R.F.		CA-480-6-49		49					
						CA-480-9-96		96					
6-0	RG-174/U			Cable, R.F.		CA-480-3-72		72					
3-0	WI-121-6		1	Cable, A.C.		CA-588-1		36					
8-0	WI-131		1	Wire, High Voltage		CA-490		96					
1	WI-132		1	Wire, A.C., 2 Conductor		CA-569-3		1					

MATERIAL LIST				REV	A	B	C	D	E	MODEL	RAK-10A1
										SHEET	9
										OF	13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS			
						USED ON	QUAN.				
				SUPPORTING DRAWINGS							
1	A-2038		2	Track & Slide Installation							
1	A-2060-1		4	Blower and Chassis Assembly							
2	AS-116 (2A-1787)		2	Retracting Spring Assembly				MP603, 604			
1	AX-243 (1A-2037)		2	Strip, Power, A.C.				A601			
2	CA-409-32-2.00		4	Cable, Jumper, Blower Strip		A-2060-1	2				
1	CA-480-6-49		2	Cable, VOX to SBE				W608 (c/o P604, 613)			
1	CA-480-9-96		1	Cable, RFD to SBE, 96 inches Long				W607 (c/o P611, 612)			
1	CA-480-3-72		4	Cable, SBE-3 to PS-4A ALDC				W610 (c/o P608, 610)			
1	CA-490		2	Cable, RFD to PS-5				W605 (c/o J604, P615)			
1	CA-491		4	Cable, RFD to PS-4				W606 (c/o J605, P614)			
1	CA-507-2		4	Cable, APP-4 to SBE				W609 (c/o E605, P609)			
1	CA-509		2	Cable, Power, APP-4 to PS-4				W611 (c/o P601)			
1	CA-550		2	Cable, Blower Interconnect		A-2060-1	1				
1	CA-569-3		1	Cable, A.C., Blower		A-2060-1	1	W621 (c/o P623)			
1	CA-588-1		2	Cable, APP-4 to A.C. Strip							
1	CA-589		R	Cable, APP-4 to PS-4				W622 (c/o E604)			
1	CK-558		8	Diagram, Wiring							
1	LD-631/MS1872		2	Lettering, Connector Bracket							
1	LD-880/PX544-4		1	Lettering, Insulator, Terminal Strip		A2060-1					
1	LD-881/MS2287		4	Lettering, Chassis, Blower		A2060-1					

MATERIAL LIST

REV A B C D E

MODEL RAK-10A1

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SPECIFICATIONS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	S-640		1	Test Procedure				

MATERIAL LIST

REV

A B C D E

MODEL RAK-10A1

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION LOOSE ITEMS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
4	SC-142-C		1	Eyebolt				
40	SCBP1032BN8		1	Screw, Machine				For Unit Mtg.
1	UG-59*/U		1	Connector, Plug, R.F.		For RFD-1	1	P625 (J202 Mate)
1	UG-212*/U		1	Adapter, Connector, Angle		For RFD-1	1	CP608 (J202 Mate)
1	UG-274*/U		1	Adapter, Connector, Tee		For VOX	1	CP615 (J203 Mate)
40	WA-101-11		1	Washer, Fiber				For Unit Mtg.

MATERIAL LIST

REV

A B C D E

MODEL RAK-10A1

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION PARTS PECULIAR	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
				<u>FOR RAK-10A-1 (BASE MOUNTED)</u>				
4	LWS37MRN		1	Washer, Lock, Split		MS-1901 Mtg.	4	
1	MS-1		8	Base, Rack				
4	SCHH3716SN16		1	Bolt, Hexagon Head		MS-1901 Mtg.	4	

MATERIAL LIST

REV

A B C D E

MODEL RAK-10A1

SHEET 13 OF

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION PARTS PECULIAR	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
				FOR RAK-10A-1 (SHOCK MOUNTED)				
6	LWS37MRN		1	Washer, Lock, Split		SH-104-4 Mtg.	6	
6	SH-104-4T6		1	Isolator, Shock				MP605, 606, 607, MP608, 609, 610
6	SCHH3716SN16		1	Bolt, Hexagon Head		SH-104-4 Mtg.	6	

