

USED ON

MODEL	SECTION	QUAN.
SBT-350T		
SBT-350U		

LAST SYMBOLS

B702
 CP704
 E703
 J707
 MP702
 P714
 S701
 W709

MISSING SYMBOLS

P706
 P708
 W707

ML-RAK-19B

G

LIST NO.

REV.

RACK, EQUIPMENT

 (TITLE)

LIST SECTIONS

1. ELECTRICAL / MECHANICAL (PG. 1,2,3,4)
2. HARDWARE (PG. 5,6,7,8)
3. RAW MATERIALS (PG. 9,10,11)
4. SUPPORTING DRAWINGS (PG. 12)
5. SPECIFICATIONS (PG. 13)
6. LOOSE ITEMS (PG. 14)
7. PARTS PECULIAR (PG. 15,16)

TYPED 3-28-61

CHECKED _____

APPROVED 16

NOTE: RAK-19B = BASE MOUNTED (SEE SHEET 15)
 RAK-19B = SHOCK MOUNTED (SEE SHEET 16)

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B							
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	SHEET	1	OF	16	SHEETS
P	1		AD-103-5		2	Filter, Air	Top	MP702													
P	1		AD-103-9		2	Filter, Air	Rear	MP701													
P	1		BB-117-2		2	Bearing, Nylon	(1) AS-116														
P	2		BL-106-2		2	Fan, Axial	(2)A2079-10	B701,702													
	8		EY-102-20			Grommet	(8)A2079-10														
P	1		GA-144-122		1	Gasket, Extruded	(1)MS2516														
P	1		HA-114-1		1	Handle, Flush Type	(1)MS-2516	To be Assembled by Rack Mfg'r.													
P	1		JJ-175		1	Connector, Receptacle, AC, 2 Prong		J702													
P	5		JJ-337		1	Connector, Receptacle, Twist Lock	(5) AX-671	J703 Thru J707													
P	2		MS-154-1		1	Plate, Straddle Terminal Strip	(2)A2079-10														
P	4		MS-1850-S		2	Plate, Access															
	1		MS-1879		1	Arm, Spring Retaining	(1) AS-116														

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PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B								
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS		ISSUE	A	B	C	D	E	F	G	SHEET	2	OF	16	SHEETS	
						ELECTRICAL/MECHANICAL																	
P	1		MS-2306		1	Channel, AC Strip	AX-671																Modified PO-160
P	1		MS-2509-1 (Rev. 1)		8	CAB., ELEC EQUIP	(1)LD633																Modify per MS2528
P	1		MS-2509-1 (Rev. 2)		8	CAB., ELEC EQUIP																	Modify as per MS-2509
P	1		MS-2509-1 (Rev. 3)		8	CAB., ELEC EQUIP																	Modify as per MS-2509
P	1		MS-2509-1 (Rev. 4)		8	CAB., ELEC EQUIP																	Modify as per MS-2509
P	1		MS-2509-1 (Rev. 5)		8	CAB., ELEC EQUIP																	Modify as per MS-2509
P	1		MS-2516		8	Door, RAK-19																	
P	1		MS-2527		1	Bracket, Retractor Spring Mtg.																	
P	1		MS-2528		8	CAB., ELEC EQUIP																	Modify MS-2509-1
P	2		MS-2529		1	Bracket, Mtg., Coupler Unit																	
P	1		MS-2537		8	Chassis, Blower	(1)LD892																
P	1		MS3057-6A		-	Clamp, Cable	(1) CA-607																For P712
P	1		MS-3057-16		-	Clamp, Cable	(1) CA-507																For P705
P	1		MS3106A14S-1S		-	Connector, Plug, Female	(1) CA-607																P712
P	1		MS3106B28-11P		-	Connector, Plug, Male	(1) W706																P705
P	1		MS3420-16A		-	Bushing, Cable	(1) CA-507																For P705
P	1		NP-103-42		4	Nameplate, Commercial																	When Required
P	1		NP-		1	Nameplate, Commercial																	When Required

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B							
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	SHEET	3	OF	16	SHEETS
						ELECTRICAL/MECHANICAL															
P	1		PL-133-NG		1	Connector, Receptacle, AC, Male, 3 Prong	(1) W701	J701													
	2		PL-176			Conn Pl, FML	(1) W102	P103													
P	2		PL-218		1	Connector, Plug, A.C.	(1) W401	P401													
							(1) W702	P709													
P	2		PL-259A-TEF		1	Connector, Plug, RF	(1) W102	P104													
							(1) W703	P703,													
							(1) W709	P707													
P	2		PM-531B20.75		2	Rod, Door Latch	(2)MS-2516	Supplied & Assembled by Rack Mtg'r.													
P	4		PO-160		1	Strip, Connector		Modify as per MS-2306													
P	1		PO-161		1	End Fitting, Blank	(1) AX-671														
P	1		PO-162		1	End Fitting, Cable Entry	(1) AX-671														
P	1		PO-163-6.250		1	Cover, AC Strip, 2-1/4 Lg.	(1) AX-671														
P	1		PO-163-2.750		1	Cover, AC Strip, 2-3/4 Lg.	(1) AX-671														
P	1		PO-163-9.250		1	Cover, AC Strip, 2-15/16 Lg.	(1) AX-671														
	1		PO-163-14.750			Cover, AC Strip	(1) AX-671														
P	1		PO-186		1	Cam, 2 Point Catch	(1)MS2516	Supplied & Assembled by Rack Mtg'r.													
	1		PX336-4			INS,TERM. BD	(1)A2079-10														
	1		PX-544-4		1	Insulator, Terminal Strip	LD-880														

PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B		
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	A	B	C	D	E	F	G		SHEET	4	OF	16
					DWG SIZE	DESCRIPTION							REF	SYMBOLS			
						ELECTRICAL/MECHANICAL											
P	1		SP-137-2		2	Spring, Retracting							(1) AS-116				
P	1		SW-230		1	Switch, Interlock								S701			
P	1		TK-106-18		8	Set, Slide, Stationary							(1) A-2059	For PSP-350			
P	2		TK-107-18		4	Set, Slide, Tilt Lock							(2) A-2059	For VOX, SBE			
P	1		TK-108-18		4	Set, Slide, Tilt Lock							(1) A-2059	For RFA			
P	1		TM-102-4		1	Strip, Terminal							(1)A2079-10	E701			
P	1		TM-105-6-AR		2	Fanning Strip							(1) CA-603	E702			
P	1		TM-105-14-AR		2	Fanning Strip							(1) CA-507-2	E703			
P	1		UG-59*/U		1	Connector, Plug, RF							(1) W709	P713			
P	1		UG-176*/U		1	Adapter, Cable to Connector							(1) W703	For P704			
P	3		UG-260/U		1	Connector, Plug, RF							(1) W703 (2) W704	P704, P710,711			

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B		
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	A	B	C	D	E	F	G	SHEET	5	OF	16
					DWG SIZE	DESCRIPTION						REF	SYMBOLS			
						HARDWARE										
P	1		CU-101-9		1	Ferrule						(1) AS-116				
P	6		CU-102-3		1	Clamp, 1/4 ID						(5) A-2080, (1) CA-603				
P	3		CU-102-5		1	Clamp, 3/8 ID						(2) A-2080, (1) CA-507				
P	5		CU-102-7		1	Clamp, 1/2 ID						(5) A-2080				
P	1		CU-113		1	Clamp, Cable, Conduit						(1) AX-67I				
P	2		CU-131-7		2	Clamp, Cable, 3/4 ID						(2) A-2080				
P	4		FS-102-1		1	Spring, "S" Type						(4)MS-2528	Assembled by Rack Mfg'r.			
P	4		FS-109-3		1	Ring, Retain						(4)MS-1900				
P	4		FS-110-1		1	Stud, Slotted Head						(4)MS-1900				
	8		FW06HBN			Washer, Flat						(8)A2079-10				
	8		FW25HBN			WASH.,FLAT						(8)A2079-10				
P	8		LWE04MRN		1	Lockwasher, Ext.						(8)A2079-10				
P	17		LWE06MRN		1	Lockwasher, Ext.						(8)A2079-10 (4) A-2080, (1) AS-116, (1) CA-507, (1) CA-603, (2) JJ-175	Mtg.			

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PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B						
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	SHEET	6	OF	16	SHEETS
									HARDWARE												
P	22		LWE08MRN		1	Lockwasher, Ext.	(18)A-2080, (4) CU-2 Mtg., (3) PL-133 Mtg.														
P	76		LWE10MRN		1	Lockwasher, Ext.	(76)A-2059														
P	8		LWS03MRN		1	Lockwasher, Split	(8) FS-102 Mtg. (By Rack Mfr.)														
P	48		LWS04MRN		1	Lockwasher, Split	(48)NT-117 Mtg. (By Rack Mfg.)														
P	24		NT-117-2520A		2	Nut, Floating Anchor	(4)MS-1850 Mtg. (By Rack Mfg.)														
P	4		NT-129-440-3		2	Nut, Round, Swage	(2)MS-1876														
P	4		NT-129-632-4		2	Nut, Round, Swage	(4)MS-2306														
P	15		NT-129-832-4		2	Nut, Round, Swage	(12)MS-2537, (3)MS-2527														
P	4		NT-129-1032-4		2	Nut, Round, Swage	(2)MS-2529														
P	8		NTH0348BN6		1	Nut, Hex.	(8) FS-102 Mtg. (By Rack Mfg.)														
P	56		NTH0440BN6		1	Nut, Hex.	(8)A2079-10 (48) NT-117 Mtg. (By Rack Mfg.)														

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PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B			
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION							REF	SYMBOLS			
						HARDWARE											
P	12		NTH0632BN8		1	Nut, Hex.							(8)A2079-10, (1) CA-507, (1) CA-603, (2) JJ-175	Mtg.			
P	15		NTH0832BN10		1	Nut, Hex.							(15)A-2080				
P	4		SCBP0440BN12		1	Screw, Machine							(4)A2079-10				
P	10		SCBP0540BN3		1	Screw, Machine							(10)AX-247				
P	8		SCBP0632BN4		1	Screw, Machine							(4) A-2080, (4) JJ-175	Mtg.			
P	1		SCBP0632BN6		1	Screw, Machine							(1) CA-603				
P	2		SCBP0632BN8		1	Screw, Machine							(1) AS-116, (1) CA-507				
P	8		SCBP0632BN14		1	Screw, Machine							(8)A2079-10				
P	32		SCBP0832BN6		1	Screw, Machine							(16)A-2080, (4) CU-2 Mtg., (12)MS-2537	Mtg.			
P	10		SCBP0832BN4			Screw, Machine							(10)AX-671				
P	2		SCBP0832BN8		1	Screw, Machine							(2) A-2080				
P	4		SCBP1032BN8		1	Screw, Machine							(4)MS-2529	Mtg.			

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PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-19B							PROJ. NO.	LIST NO. ML-RAK-19B			
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION							REF	SYMBOLS			
						RAW MATERIALS											
P	X		BS-100		1	Solder, Soft											
P	X		CD-101-1-MW		1	Cord, Lacing							CA-507, CA-550, CA-603				
P	27"		HWC10(37)B9		2	Cable, Insulated, Fiberglass							WHITE	CA-604			
P	30"		HWC10(37)B90		2	Cable, Insulated, Fiberglass							WH/BLACK	CA-604			
P	30"		HWC14(19)B0		2	Cable, Insulated, Fiberglass							BLACK	CA-604			
P	X		HWC14(19)U9		2	Cable, Insulated							WHITE	CA-603			
P	X		HWC14(19)U90		2	Cable, Insulated							WH/BLACK	CA-603			
P	X		MWC14(19)U0		2	Cable, Insulated							BLACK	AX-671			
P	X		MWC14(19)U9		2	Cable, Insulated							WHITE	AX-671			
	X		MWC16(19)U0			Cable, Insulated							BLACK	CA409-209-3.00			
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MODEL RAK-19B
 ISSUE A B C D E F G

PROJ. NO.

LIST NO. ML-RAK-19B
 SHEET 9 OF 16 SHEETS

PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B			
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	A	B	C	D	E	F	G			SHEET	10	OF	16
					DWG SIZE	DESCRIPTION							REF	SYMBOLS				
						RAW MATERIALS												
P	X		MWC20(7)U0		2	Cable, Insulated							BLACK	CA-550				
P	X		MWC20(7)U4		2	Cable, Insulated							YELLOW	CA-550				
P	X		MWC20(7)U7		2	Cable, Insulated							VIOLET	CA-550				
P	X		MWC20(7)U9		2	Cable, Insulated							WHITE	CA-550				
P	X		MWC22(7)SJ0		2	Cable, Insulated Shielded							BLACK	CA-507				
P	X		MWC22(7)SJ1		2	Cable, Insulated, Shielded							BROWN	CA-507				
P	X		MWC22(7)SJ2		2	Cable, Insulated, Shielded							RED	CA-507				
P	X		MWC22(7)SJ3		2	Cable, Insulated, Shielded							ORANGE	CA-507				
P	X		MWC22(7)SJ4		2	Cable, Insulated, Shielded							YELLOW	CA-507				
P	X		MWC22(7)SJ5		2	Cable, Insulated, Shielded							GREEN	CA-507				
P	X		MWC22(7)SJ6		2	Cable, Insulated, Shielded							BLUE	CA-507				
P	X		MWC22(7)SJ8		2	Cable, Insulated, Shielded							GREY	CA-507				

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PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B							
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	SHEET	11	OF	16	SHEETS	
						RAW MATERIALS																
P	X		MWC22(7)U0		2	Cable, Insulated	BLACK	CA-409,														
P	X		MWC22(7)U4		2	Cable, Insulated	YELLOW	CA-603														
P	X		MWC22(7)U5		2	Cable, Insulated	GREEN	CA-603														
P	X		MWC22(7)U6		2	Cable, Insulated	BLUE	CA-603														
P	X		MWC22(7)U7		2	Cable, Insulated	VIOLET	CA-603														
P	X		MWC22(7)U8		2	Cable, Insulated	GREY	CA-603														
P	X		MWC22(7)U9		2	Cable, Insulated	WHITE	CA-603														
P	X		PX-100-1-133		1	Insulation Sleeving	BLACK	CA-603														
P	X		PX-100-1-208		1	Insulation Sleeving	BLACK	CA-603														
P	X		PX-100-1-263		1	Insulation Sleeving	BLACK	CA-603														
P	X		PX-100-1-375		1	Insulation Sleeving	BLACK	CA-507														
P	X		PX-100-1-500		1	Insulation Sleeving	BLACK	CA-604														
P	32"		RG-8/U		1	Cable, RF		(32)CA-512														
P	17"		RG-59/U		1	Cable, RF		(10')CA-383,														
								(85)CA-480														
P	36"		WI-121-6		1	Cable, AC		CA-588														
	30"		WI-121-9			Cable, AC		CA-751														
P	1		WI-130-2-20-65		1	Cable, 2 Conductor		CA-607														
P	1		WI-134-6-12		1	Cable, AC, Coiled		CA-575-5														
	1		WI-134-6-7			Cable, AC, Coiled		CA-555-3														

PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-19B										PROJ. NO.	LIST NO.	ML-RAK-19B					
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS				ISSUE	A	B	C	D	E	F	G	SHEET	12	OF	16
SUPPORTING DRAWINGS																							
	1		A-2059		2	Slide Locations																	
	1		A-2079-10		4	Blower and Chassis Ass'y.																	
	1		A-2080		8	Installation, Cables & AC Strip																	
	1		AS-116(2A-1787)		2	Retractor Spring Ass'y.																	
	1		AX-67I(2A-2051)		2	AC Power Strip																	
	1		CA555-3			Cbl Assy, Pwr																W102 (P103, P104)	
	1		CA346-8-9			Cbl Assy, Pwr																W101 (P101, P102)	
	1		CA409-209-3.00			Cbl Assy, Jumper	JJ175																
	1		CA-383-8F		1	Cable, RF, SBE to RFA																W703 (P703,704)	
	2		CA-409-32-2.00		4	Cable, Jumper, Terminal Strip	(2)A2079-10																
	1		CA-480-6-85		2	Cable, RF, SBE to VOX																W704 (P710,711)	
	1		CA-507-2		4	Cable, Interconnect, SBE to APP-5																W706 (E703,P705)	
	1		CA-512-5		2	Cable, RF, RFA to CU-2																W709 (P707,713)	
	1		CA-550		2	Cable, Blower	A-2079-10																
	1		CA-575-5		1	Cable, AC, Coiled, Blower	A-2079-10															W702 (P709)	
	1		CA-588-1		2	Cable, AC, Strip to APP-5																	
	1		CA-603		R	Cable, Main																W705 (E702)	
	1		CA-604		2	Cable, 1 Ø AC Input to APP-5																W701 (J701)	
	1		CA-607-1		2	Cable, Interlock, MCU-2 to APP-5																W708 (P712)	
	1		CA-751-A-30			Cbl Assy, Pwr																W401 (P401)	
	1		CK-486		8	Wiring Diagram																	
P	1		LD-633/MS2509-1		4	Lettering, Rack, Rear	MS-2528																
P	1	1	LD-880/PX544-4		1	Lettering, Term. Strip Insulator	(1)A2079-10																
P	1		LD-892/MS2537		4	Lettering, Blower Chassis	(1)A2079-10																

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B					
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	A	B	C	D	E	F	G				SHEET	13	OF	16
					DWG SIZE	DESCRIPTION SPECIFICATIONS							REF	SYMBOLS					
	1		S-		1	Test Procedure See Appropriate SBT-350 Material List For Test Procedure													

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B		
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION							REF	SYMBOLS		
						LOOSE ITEMS										
P	1		PL-176		1	Connector, Plug, AC							J702 Mate	P702		
P	1		PL-134-NG		1	Connector, Plug, AC, 3 Prong							J701 Mate	P701		
P	4		SC-142-C		1	Eyebolt										
P	40		SCEP1032BN8		1	Screw, Machine								For Unit Mtg.		
P	1		UG-59*/U		1	Connector, Plug, RF (For CU-2)							J302 Mate	P714		
P	1		UG-212*/U		1	Adapter, Connector (For CU-2)							J302 Mate	CP704		
P	1		UG-274*/U		1	Adapter, Connector, Tee (For VOX)							J203 Mate	CP701		
P	2		UG-646*/U		1	Adapter, Connector, (For RFA)								CP702,703		
P	40		WA-101-11		1	Washer, Flat, Fiber								For Unit Mtg.		

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B							
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	SHEET	15	OF	16	SHEETS
						PARTS PECULIAR															
P	4		LWS37MRN		1	(<u>RAK-19B</u> BASE MOUNTED) Lockwasher, Split	(4) MS-1901	Mtg.													
P	1		MS-1901		8	Base, Rack															
P	4		SCHH3716SN16		1	Bolt, Hex. Head	(4) MS-1901	Mtg.													

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-19B							PROJ. NO.	LIST NO.	ML-RAK-19B		
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION							REF	SYMBOLS		
						PARTS PECULIAR										
						(RAK-19B - SHOCK MOUNTED)										
P	6		LWS37MRN		1	Lockwasher, Split							(1)SH-104-4	Mtg.		
P	6		SCHH3716SN16		1	Bolt, Hex. Head							(1)SH-104-4	Mtg.		
P	6		SH-104-4T6		1	Isolator, Shock										

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

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