

PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-7B													PROJ. NO.	LIST NO.	ML-RAK-7B									
	QUANTITY	REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	H	J	K	L	M	N	SHEET	1	OF	10	SHEETS	
							ELECTRICAL/MECHANICAL																						
P	1			BB-117-5			Bearing, Panel, Nylon	(1)AX-248																					
P	1			BL-106-3		2	Fan, Axial		B101																				
P	4			CU-123		1	Handle, Ferrule	(2)HA-102-8	Mtg.																				
P	2			HA-102-8 BN		2	Handle, Front																						
P	1			HA-111		1	Handle, Crank	(1) MP-120																					
P	2			HA-113		1	Handle, Side																						
P	1			HI-110		1	Hinge, Top Console																						
P	1			HI-111-2		2	Hinge, Swivel Type		Right Side																				
P	4			JJ-116-2		1	Jack, Telephone Type	(4) AX-248	J101,102,103,104																				
P	4			JJ-170		1	Connector, Receptacle, AC, Twist	(4) AX-125	J110,111,112,113																				
P	4			JJ-173		1	Connector, Receptacle, AC, 3 Prong		J105,106,107,108																				
P	1			MP-110		1	Knob, Instrument, Type		Modify as per PX-608																				
P	1			MS-157-1-H		1	Panel, Blank, 1 23/32"	Front																					
P	1			MS-1736		8	Panel, Left Side, Basic		Modify as per MS-1765																				
P	1			MS-1737		8	Panel, Right Side, Basic		Modify as per MS-1764																				
P	1			MS-1738		8	Support, Front, Top																						
P	1			MS-2639		8	Panel, Blank, Front Center		Modify as per MS-2531																				
P	1			MS-1740		8	Base																						

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	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE							SHEET	2 OF 10 SHEETS		
									A	B	C	D	E	F	G	H	J	K	L
						ELECTRICAL/MECHANICAL													
P	1		MS1800-1H			Panel, Blank, 1-23/32													
P	1		MS-1741		8	Support, Rear, Top													
P	1		MS-1754		1	Channel, A.C. Strip	(1) AX-125	Modified PO-160											
P	1		MS-1763		8	Panel, Utility	LD-1011												
P	1		MS-1764		8	Panel, Right Side	MS-1737	Modified											
P	1		MS-1765		8	Panel, Left Side	MS-1736	Modified											
P	1		MS-1800-2H		1	Panel, Blank 3-15/32	Rear												
P	1		MS-1802		2	Panel, Blank, 16-13/32	Rear												
P	1		MS-1804		1	Cover, Bottom, Perforated													
P	1		MS-1805		1	Bracket, Hinge Support													
	1		MS-1849-1		1	Bracket, Equipment Support, Right Side		For FSA											
	1		MS-1849-2		1	Bracket, Equipment Support, Left Side		For FSA											
P	1		MS-2309		8	Compartment, Storage													
P	1		MS-2531		4	Panel, Front Center	LD-894	Modify MS-2639(1)AX-248											
	1		MS-2534		1	Plate, Mtg., Pot	(1)AX-248												
P	1		MS3057-10		1	Clamp, Cable	(1) CA-611	For P118											
P	1		MS3106B18-1P		1	Connector, Plug Male	(1) CA-611	P118											
P	1		MS3420-8A		1	Bushing, Cable	(1) CA-611	For P118											
P	1		MS3420-10A		1	Bushing, Cable	(1) CA-611	For P118											
P	2		MX913/U			Cap & Chain, N.Type	(2) AX248	For CP101, 102											
P	1		NP-103-42		4	Nameplate, Commercial	(1) CA-611	When Required											
P	1		NP-364		1	Nameplate, Navy, CY-2805A/GRM-33		When Required											
P	1		PL-133-NG		1	Connector, Receptacle, 3 Wire		J109											
P	2		PL-171-NG		1	Connector, Plug, Male, 3 Wire	W104	P105,											
			PL-171		1	Connector, Plug, Male	W109	P117											
*	2		PL-194 (See Note)		1	Plug, Telephone. .NOTE: These two(2) Plugs Supplied by Mfg'r., as Part of CA-130-6.	W108	P112,P113											
P	1		PL-259A-TEF		1	Connector, Plug, Mica	W107	P111											

PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.		LIST NO.	ML-RAK-7B						
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE			SHEET	OF	SHEETS					
					A	B	C	D	E	F	G	H	J	K	L
DWG SIZE	DESCRIPTION	REF	SYMBOLS												
ELECTRICAL/MECHANICAL															
P	1		PO-102		1	Vernier, Drive		(1) AX-248							
P	1		PO-160		1	Channel, AC Strip			Modify as per MS-1754						
P	1		PO-161		1	Blank, End Fitting		(1) AX-125							
P	1		PO-162		1	End Fitting, Cable Entry		(1) AX-125							
P	2		PO-163-3.000		1	Cover, Channel, 3"		(2) AX-125							
P	1		PO-163-6.000		1	Cover, Channel, 6"		(1) AX-125							
	1		PO-163-3.375			Cover, Channel, 3-3/8"		(1) AX125							
	1		PO-163-8.125			Cover, Channel, 8-1/2"		(1) AX125							
	1		PX-608			Knob, Modification		(1) MP-120	Modify MP-110						
P	1		RG20GF155K		1	Resistor, Fixed, Composition		(1) AX-248	R102						
P	1		RG20GF274K		1	Resistor, Fixed, Composition		(1) AX-248	R103						
P	1		RV4NAYSD504A		2	Resistor, Variable		(1) AX-248	R101						
P	1		ST22N		2	Switch, Toggle		(1) AX-248	S101						
P	2		UG-30D/U		1	Adapter, Connector, RF tone VFO Out		(1) AX-248 (1) AX-248	CP101, CP102						
P	1		UG-176/U		1	Adapter		W107	For P111						
P	2		UG-260/U		1	Plug, Connector		W101 W102	P102, P104						
P	7		UG-603/U		1	Plug, Connector		W101 W102 W105 W106 W107	P101, P103, P106, P107, P108, P109, P110						
P	1		WD-128		8	Cover, Top			Front						
P	2		WH-100-1		2	Wheel, Swivel			Rear						
P	2		WH-100-2		2	Wheel, Rigid									
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	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION												REF	SYMBOLS	
					ISSUE	HARDWARE														
						RAK-7B	A	B	C	D	E	F	G	H	J	K	L	M	N	ML-RAK-7B
																				SHEET 4 OF 10 SHEETS
P	3		CU-102-4		1	Clamp, "G" Type														(2) AX-248
	3		FW06HBN			Washer, Flat														(2) AX-248
P	2		LWE04MRN		1	Lockwasher, Ext														(1) CU-102-4 Mtg.
P	31		LWE06MRN		1	Lockwasher, Ext.														(2) AX248 (10) AX-248, (4) BL-106-3 Mtg., (5) HI-110 Mtg., (8) JJ-173 Mtg., (3) MS-1754 Mtg. (1) CU-102-4 Mtg.
P	23		LWE08MRN		1	Lockwasher, Ext.														(4) AX-248, Mtg. (4) MS-1738 Mtg., (8) MS-1741 Mtg., (2) MS-1805 Mtg., (1) MS-1849-1 Mtg., (1) MS-1849-2 Mtg., (3) PL-133 Mtg., (5) HA-113 Mtg., (6) MS-1740 Mtg., (4) MS-1804 Mtg., (1) MS-1805 Mtg.
P	21		LWE10MRN		1	Lockwasher, Ext.														(5) HA-113 Mtg., (6) MS-1740 Mtg., (4) MS-1804 Mtg., (1) MS-1805 Mtg.
P	4		LWS10MRN		1	Lockwasher, Split														(2) HA-102-8 Mtg.
P	12		LWS25MRN		1	Lockwasher, Split														(3) WH-100-1 Mtg., (3) WH-100-2 Mtg.
P	2		NT-108-2		1	Nut, Speed														(2) MS-1740 Supplied & Assembled by Mfg'r.
P	3		NT-129-632-3		2	Nut, Swage														(3) MS-1754 Mtg.
P	20		NT-129-832-4		2	Nut, Swage														(10) MS-1764 Supplied & Assembled (10) MS-1765 by Rack Mfg'r.
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PURCHASED ITEM	MATERIAL LIST			MODEL	RAK-7B													PROJ. NO.	LIST NO.	ML-RAK-7B								
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	H	J	K	L	M	N	SHEET	5	OF	10	SHEETS	
P	2		NTH0440BN8		1	Nut, Hex	(2)AX248																					
P	23		NTH0632BN8		1	Nut, Hex.	(6) AX-248, (4) BL-108-3 Mtg., (5) HI-110 Mtg., (2) JJ-173 Mtg. (1) CU-102-4 Mtg.																					
P	21		NTH0832BN8		1	Nut, Hex.	(6) MS-1738 Mtg., (4) MS-1741 Mtg., (2) MS-1805 Mtg., (6) MS-2309 Mtg., (3) PL-133 Mtg.																					
P	20		NTH1032BN8		1	Nut, Hex.	(5) HA-113 Mtg., (6) MS-1740 Mtg., (4) MS-1804 Mtg.																					
P	2		SCBP0440BN4		1	Screw, Machn	(2)AX248																					
P	8		SCBP0540BN3		1	Screw, Machine	(8) AX-125																					
P	19		SCBP0632BN5		1	Screw, Machine	(3) AX-125, (8) AX-248, (8) JJ-173 Mtg.																					
P	4		SCBP0632BN21		1	Screw, Machine	(4) AX-248																					
P	5		SCBP0632BN8		1	Screw, Machine	(5) HI-110 Mtg., (2) MS-1738 Mtg.,																					
P	6		SCBP0832BN8		1	Screw, Machine	(4) AX-248 Mtg.																					
P	2		SCBP0832BN14		1	Screw, Machine	(1) MS-1849-1 Mtg., (1) MS-1849-2 Mtg.																					
P	1		SCBP1032BN5		1	Screw, Machine	(1) MS-1805 Mtg.																					
P	20		SCBP1032BN8		1	Screw, Machine	(5) HA-113 Mtg., (6) MS-1740 Mtg., (4) MS-1804 Mtg.																					

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	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	H	J	K	L	M	N	SHEET	6	OF	10	SHEETS
						HARDWARE																					
P	7		SCFP0632BN5		1	Screw, Machine	(2)AX-248, (4)BL-106-3 Mtg., (1)CU-102-4 Mtg.																				
P	2		SCFP0832BN5		1	Screw, Machine	(2)MS-1805 Mtg.																				
P	6		SCFP0832BN8		1	Screw, Machine	(2)MS-1738 Mtg., (4)MS-1741 Mtg.																				
P	4		SCHH1032BN8		1	Screw, Machine, Hex. Head	(2)HA-102-3 Mtg.																				
P	12		SCHH2520BN10		1	Screw, Machine, Hex. Head	(3)WH-100-1 Mtg., (3)WH-100-2 Mtg.																				
P	1		SCRp1024BN14		1	Screw, Machine	(1)HA-111																				
P	5		Screw, Wood			Screw, Wood, #5 x 1/2 Lg. Flat Head																					(5) HI-110 to top
P	8		Screw, Wood			Screw, Wood, #6 x 1/2 Lg., Flat Head																					(6) Box to top (2) HI-111 to top
P	8		TE-112-2		1	Terminal, Lug	(8)AX-125																				
P	4		TE-117-5		2	Spacer, 1/4 D. x 1" Lg.	(4)AX-248																				
P	1		TE-117-13		2	Strip, Terminal	(1)AX-248																				
P	3		TE-120-2		1	Terminal, Lug, Spade Type	(3)CA-611																				
P	1		TE-120-3		1	Terminal, Lug, Spade Type	(1)AX-248																				
P	4		TE-135-3		2	Spacer, Threaded, 1/4 D. x 1/2 Lg.	(4)AX-248																				
P	4		TE-159-32960		1	Terminal, Lug, #10	(2)AX-125, (2)CA-409-43																				
P	1		TM-117-13		2	Strip, Terminal	(1)AX-248																				

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	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	A	B	C	D	E	F	G	H	J	K	L	M	N	SHEET	7	OF	10
					DWG SIZE	DESCRIPTION												REF	SYMBOLS			
						RAW MATERIALS																
P	X		BS-100		1	Solder, Soft																
P	X		HWC14(19)B0		2	Cable, Insulated, Fiberglass												BLACK	JJ-173 Wiring			
P	X		HWC14(19)B9		2	Cable, Insulated, Fiberglass												WHITE				
P	X		MWC14(19)U0		2	Cable, Insulated												BLACK	AX-125			
P	X		MWC14(19)U9		2	Cable, Insulated												WHITE	AX-125			
P	X		MWC22(7)S0		2	Cable, Insulated, Shielded												BLACK	CA-611			
P	X		MWC22(7)S2		2	Cable, Insulated, Shielded												RED	CA-611			
P	X		MWC22(7)S4		2	Cable, Insulated, Shielded												YELLOW	CA-611			
P	X		MWC22(7)S5		2	Cable, Insulated, Shielded												GREEN	CA-611			
P	X		MWC22(7)S8		2	Cable, Insulated, Shielded												GRAY	CA-611			
P	X		MWC22(7)S9		2	Cable, Insulated, Shielded												WHITE	CA-611			
	0-5		PX-100-1-.133			Insulation, Sleeving												BLACK	AX-248			
P	X		PX-104-1-.034		1	Insulation, Sleeving												BLACK	AX-248			
P	X		PX-100-1-.106		1	Insulation, Sleeving												BLACK	CA-611			
P	X		PX-100-1-.315		1	Insulation, Sleeving												BLACK	CA-611			
P	2-5/8"		PX-104-2-.034		1	Insulation, Sleeving												YELLOW	AX-248			
P	X		PX-104-3-.034		1	Insulation, Sleeving												RED	AX-248			
P	240"		RG-59/U		1	Cable, R.F.												(42")W101, (42")W102, (18")W105, (18")W106, (120")W107				

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	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SHEET	8	OF 10 SHEETS
						RAW MATERIALS				
P	X		WI-128-20-2		1	Wire, 2 Conductor, Shielded	CA-611			
P	6"		WI-132		1	Wire, A.C. (2 Conductors)	W109			
P	X		WI-134-2-3		1	Cable, A.C.	W104			
P	X		WL-100-7		-	Wire, Buss	AX-248			JJ-116 Wiring
P	1		Alumun. Tubing		-	Tubing, Alumin. 5/16" O.D. x 5/8 Lg.	HA-111			
P	1		Micarta, Veneer		-	Veneer, 16-1/2 x 20-11/16 x 1/16	WD-128			
P	2		Micarta, Veneer		-	Veneer, 16-1/2 x 1-1/2 x 1/16	WD-128			
P	2		Micarta, Veneer		-	Veneer, 21-1/8 x 1-1/2 x 1/16	WD-128			
P	1		Phenolic Rod		-	Phenolic 1/2" O.D. x 3/4" Lg.	HA-111			
P	2		Plywood		-	Plywood, 16-1/2 x 21 x 11/16	WD-128			

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						SUPPORTING DRAWINGS																					
	1		AX-125 (2A-1697)		2	Strip Assembly, A.C. Power																					
	1		AX-248			Control Panel																					
	1		CA-409-43-4.00		4	Cable, Jumper, Ground																					
	2		CA-480-2-42 .00		2	Cable, R.F. Patch Panel to TTG, R.F. Tone																					W101 (P101,102),
	2		CA-480-2-42 .00		2	Cable, R.F., Patch Panel to VOX, R.F. Tone																					W102 (P103,104)
	1		CA-569-2		1	Cable, A.C., Fan																					W109 (P117)
	1		CA-575-4		1	Cable, A.C., Blower Panel to AC																					W104 (P105)
	1		CA-611		1	Cable, TTG & AX-248 to FSA.	(1) AX-248																				W110 (P118)
	1		CK-489		8	Diagram, Wiring																					
	1		CK-490		2	AX-248 Schematic																					
P	1		LD-894		8	Lettering, Center Front Support	MS-2531 (1) AX-248																				
	1		LD-1011		8	Lettering, Utility Panel, Rear	MS-1763																				
	1		MP-120(1A-2068)		1	Knob, W/Handle	(1) AX-248																				
	1		PTE-3		2	PTE, Dimensional Outline																					

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	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	SHEET	10	OF	10
					DWG SIZE	DESCRIPTION												REF	SYMBOLS				
						LOOSE ITEMS																	
	1		CA-130-6		1	Cable, Audio, Patch, Patch Panel to Ext. Audio													W108 (P112,113)				
	2		CA-480-1-18		2	Cable, R.F., FSA to Patch Panel, R.F. Tone FSA to Panel, VFO													W105 (P106,107) W106 (P108,109)				
	1		CA-480-4-120		2	Cable, R.F., FSA to Xmitter, Ext. Signal													W107 (P110,111)				
P	1		PL-134-N.G.		1	Connector, Plug, 3 Wire													P114 (J109 Mate)				
P	2		PL-218		1	Connector, Plug, 3 Prong													P115 (JJ-173 Mate) P116 (JJ-173 Mate)				
P	20		SCBS0832BN8		1	Screw, Machine													Unit Mtg., Rear				
P	28		SCBS1032BN8		1	Screw, Machine													Unit Mtg., Front				
	20		WA-101-5		1	Washer, Flat, Fiber, #8													Unit Mtg.				
P	28		WA-101-11		1	Washer, Flat, Fiber, #10													Unit Mtg.				
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