

PURCHASED ITEM	MATERIAL LIST				MODEL	RAK-7C	PROJ. NO.	LIST NO.	ML-RAK-7C
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	
						ELECTRICAL/MECHANICAL			
	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.	
	1		EY102-7			Grommet, Rub	(1)AX674		
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-337		1	Connector, Receptacle, AC,	(4) AX-674	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	(1)MS1765	Modify as per MS-1736	
P	1		MS-1737		8	Panel, Right Side, Basic	(1)MS1764	Modify as per MS-1737	
P	1		MS-1738		8	Support, Front, Top			
P	1		MS-2639		8	Panel, Blank, Front Center	(1)MS2531	Modify as per MS-2639	
P	1		MS-1740		8	Base			

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	QUANTITY REQ.	NPL	PART NO.	REV	DWG	ISSUE										SHEET	OF SHEETS		
					SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N
						DESCRIPTION										REF	SYMBOLS		
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-674	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	1		PL-171		1	Connector, Plug, Male, 3 Wire										CA575-6	P105		
	1		PL-171		1	Connector, Plug, Male										CA569-2	P117		
*	2		PL-194 (See Note)		1	Plug, Telephone. .NOTE: These two(2) Plugs Supplied by Mfg'r., as Part of CA-130-6.										CA130-6	P112, P113		
P	3		PL-259A-TEF		1	Connector, Plug, Mica										CA480-7-120	P111, P110		
	2		PL244-1			CONN, PL, BNC										(2)CA480-3-	30 P108, P109		
	1		PL218			CONN, PL, ML										(1)CA575-6	P105		

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	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B									
									SHEET	3	OF	10	SHEETS							
						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-674													
P	1		PO-162		1	End Fitting, Cable Entry	(1) AX-674													
P	1		PO-163-3.000		1	Cover, Channel, 3"	(1) AX-674													
P	1		PO-163-6.000		1	Cover, Channel, 6"	(1) AX-674													
	1		PO-163-4.250			Cover, Channel, 4 1/4"	(1) AX-674													
	1		PO-163-11.000			Cover, Channel, 11" 2"	(1) AX-674													
	1		PX-608			Knob, Modification	(1) MP-120													Modify MP-110
P	1		RC20GF155K		1	Resistor, Fixed, Composition	(1) AX-248	R102												
P	1		RC20GF274K		1	Resistor, Fixed, Composition	(1) AX-248	R103												
P	1		RV4NAYS504A		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	CP101,												
P	4		UG176/U		1	Adapter	(1) AX-248	CP102												
	2		UG-260/U		1	Plug, Connector	CA480-7-120	For P111												
	2		UG-260/U		1	Plug, Connector	CA480-4-18	" P106												
P	2		UG260/U		1	Plug, Connector	CA480-7-120	" P110, P111												
P	3		UG603/U			Plug, Connector	CA480-2-42	P102												
							CA480-2-42	P104												
							CA480-2-42	P101												
							CA480-2-42	P103												
							CA480-4-18	P107												
P	1		WD-128		8	Cover, Top														
P	2		WH-100-1		2	Wheel, Swivel		Front												
P	2		WH-100-2		2	Wheel, Rigid		Rear												

PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.										LIST NO.				
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE										SHEET	OF
						HARDWARE												4	10	
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.,													
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 by Rack Mfg'r.													
							(10) MS-1765													

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	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B								SHEET	5	OF	10	SHEETS
									HARDWARE														
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-113																
P	19		SCBP0632BN5		1	Screw, Machine	(3) AX-674, (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.,																
P	8		SCBP0832BN4		1	Screw, Machine	(8) AX674																
P	6		SCBP0832BN8		1	Screw, Machine	(2) MS-1738 Mtg.																
P	2		SCBP0832BN14		1	Screw, Machine	(4) AX-248 Mtg. (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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									A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
						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										JJ-173 Wiring						
P	X		MWC14(19)U0		2	Cable, Insulated	BLACK	AX-674															
P	X		MWC14(19)U9		2	Cable, Insulated	WHITE	AX-674															
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															
			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															
I	222		RG-59/U		1	Cable, R.F.		(42")CA480-2-42															
								(42")CA480-2-42															
								(18")CA480-4-18															
								(120")CA480-7-120															
	30		RG174/U			CBL,RF		(30")CA480-3-30															

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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)	CA569-2																					
P	X		WI-134-6-3		1	Cable, A.C.	CA575-6																					
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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	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	
						SUPPORTING DRAWINGS			
	1		AX-674 (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	CA480-2-42	W101, (P101, 102),	
			CA-480-2-42		2	Cable, R.F., Patch Panel to VOX, R.F. Tone	CA480-2-42	W102, (P103, 104)	
	1		CA-569-2		1	Cable, A.C., Fan	CA569-2	W109, (P117)	
	1		CA-575-6		1	Cable, A.C., Blower Panel to AC	CA575-6	W104, (P105)	
	1		CA-611		1	Cable, TTG & AX-248 to FSA.	(1) AX-248	W110, (P118)	
	1		CA480-3-30			CBL ASSY, RF, FSA to VOX	CA480-3-30	W106, (P108, 109)	
	1		CK-1097		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 (A-2068)		1	Knob, W/Handle	(1)-AX-248		
	1		PTE-3		2	PTE, Dimensional Outline			

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						LOOSE ITEMS																				
	1		CA-130-6		1	Cable, Audio, Patch, Patch Panel to Ext. Audio		W108 (P112,113)																		
	1		CA-480-4-18		2	Cable, R.F., FSA to Patch Panel, R.F. Tone FSA to Panel, VFO		W105 (P106,107) W106 (P108,109)																		
	1		CA-480-7-120		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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