

PURCHASED ITEM	MATERIAL LIST			MODEL <u>FFRD-5A, 6A, 7A, 8A</u>		PROJ. NO.	LIST NO. <u>ML-1-910 FFRD-5A, 6A</u>	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	SHEET <u>1</u> OF <u>13</u> SHEETS	
							ISSUE <u>B C D E F G H J K L</u>	
						ELECTRICAL COMPONENTS AND MECHANICAL PARTS		
	1	BI-101-44			1	Lamp, Incandescent, Bayonet Base		
	1	CB-101	G		2	Capacitor, Variable, Air Tuning		
	1	CC-100-16 (see Note)			2	Capacitor, Fixed, Ceramic Disc.		19 used on FFRD-5A, 6A 20 used on FFRD-7A, 8A
	1	CC-101-4			1	" , " , "		
	1	CC21SL100D			2	Capacitor, Fixed, Ceramic Dielectric		
	1	CF-100	B		1	Coil Form		
	2	CI-109-18			2	Core, Tuning		
	2	CM20D621G			2	Capacitor, Fixed, Mica		
	1	CT-104-1			1	Capacitor, Variable, Air Trimmer		
	1	FP-108-1	J		1	Can		
	4	FP-108-2			1	Can		
	2	HA-102-1BN			2	Handle		
	1	MP-100-1	D		2	Knob, Instrument, Fluted Type		
	1	MP-100-4			2	" , " , " "		
	1	MP-102-1	B		1	Knob, Instrument Type, Round		

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PURCHASED ITEM	MATERIAL LIST			MODEL <u>FFRD-5A, 6A, 7A, 8A</u>				PROJ. NO.				LIST NO. <u>MI-5910 FFRD-5A, 6A</u>	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	ISSUE				SHEET 2 OF 13 SHEETS	
								B	C	D	E	F	G
						ELECTRICAL COMPONENTS AND MECHANICAL PARTS							
1	MS-132		C	1	Grounding Strap, I.F. Core								
1	MS-155		B	4	Panel, Front, R.F. Head						Ref: LD-120		
1	MS-163-1 (USE A-318)			8	Head Frame	No Drawing					For Commercial & U.S. N		
1	MS-163-2 (USE A-318)			8	Head Frame	No Drawing					For RCAF only		
1	MS-164		J	8	Center Chassis						Ref: LD-124		
1	MS-165		B	2	Front Shield								
1	MS-166		A	2	Center Shield								
1	MS-167		C	2	Rear Shield								
1	MS-168			2	Bracket								
1	MS-170		A	1	Bracket, Crystal								
1	MS-179		C	2	Dial Blank								
1	MS-184		C	4	Cover, Top R.F. Head								
1	MS-185			4	Bottom Cover Assembly						LD312-5,-6		
1	MS-186		A	2	Shield, Crystal Condenser								
1	MS-187		B	2	Shield, Plug								
1	MS-191 (USE A-323)			4	Shield Assembly, Tuning Condenser	No Drawing							
4	MS-192		C	1	Ground Strap								
2	MS-193			1	Lens Clamp								
1	MS-342			2	Trimmer Support								
1	NP-134			1	Name Plate, Patent								
1	PL-109			2	Connector, Receptacle, Multi-Coaxial								
1	PM-181-L		A	1	Shaft Lock						Use PM-415 for lever Modification.		
1	PX-105 (USE A-131)			2	I.F. Terminal Board Assembly	No Drawing							
1	PX-113		A	1	Dial Lens								

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PURCHASED ITEM	MATERIAL LIST			MODEL FFRD-5A, 6A, 7A, 8A		PROJ. NO.		LIST NO. <u>ML-4-210</u>			
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	ISSUE				SHEET 3 OF 13 SHEETS	
						B	C	D	E	F	G
DESCRIPTION						REMARKS					
ELECTRICAL COMPONENTS AND MECHANICAL PARTS											
4	RC20GF104K		2			Resistor, Fixed, Composition					
1	RC20GF220K		2			" " " "					
2	RC20GF221K		2			" " " "					
2	RC20GF224K		2			" " " "					
1	RC20GF473K		2			" " " "					
3	RC20GF474K		2			" " " "					
1	RC20GF821K		2			" " " "					
1	RC30GF473K		2			Resistor, Fixed, Composition					
2	RC42GF273K		2			Resistor, Fixed, Composition					
1	SW-100	A	1			Switch, Rotary					
5	TS-102-P01		1			Socket TS-102-P01 , 7 Pin Miniature					
5	TS-102-U02		1			Shield TS-102-U02 , 7 Pin Miniature					
1	TS-104-1		1			Socket, Crystal					
1	TS-107-2		1			Socket, Bracket, Miniature Bayonet					
<u>TUBES</u>											
1	6AU6					Tube, Electron					
										V_02	

PURCHASED ITEM	MATERIAL LIST		MODEL FFRD-5A, 6A, 7A, 8A		PROJ. NO.		LIST NO. <u>ML-A-930 FFRD-5A, 6A</u>	
			ISSUE <u>B C D E F G H J K L</u>		SHEET <u>4</u> OF <u>13</u> SHEETS			
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	
					HARDWARE			
2	SLHC0832SN4			1	Screw, Headless Set			
4	CU-101-1			1	Ferrule, Coaxial Cable			
4	CU-101-2			1	" , " "			
12	EY-100-1			1	Eyelet, Flat Flange			
5	EY-101-1			1	" , " "			
3	EY-102-1			1	Grommet, Elastic			
4	EY-102-2			1	Grommet, Elastic			
1	FP-109	C		1	Clamp, Xtal	(4) MB-1095-164		
3	FW04LBN			1	Washer, Flat			
2	LWI25LRN			1	Lockwasher, Internal Tooth			
3	LWS02MRN			1	Lockwasher, Spring Type			
8	LWS03MRN			1	" , " "			
58	LWS04MRN			1	" , " "			
					" , " "			
39	LWS06MRN			1	" , " "			
5	NT-101-4			1	Nut - Strap for Miniature and Noval Sockets			
2	NT-102			1	Nut, Hex			
7	NT-108-2			2	Nut, Speed			
2	NT-108-3			2	" , "			
6	NT-108-4			2	" , "			
3	NTH0256BN6			1	Nut, Hex			
19	NTH0440BN6			1	" , "			
12	NTH0440BN8			1	" , "			
37	NTH0632BN8			1	" , "			

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MATERIAL LIST		REV.	G H J K L										MODEL	ML-FFRD-5A, 6A		
													SHEET	5	OF	13
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
1	SCBP0256BN4	SCREW, MACHINE				1										
8	SCBP0440BN3	SCREW, MACHINE				8										
24	SCBP0440BN4	SCREW, MACHINE				24										
18	SCBP0440BN5	SCREW, MACHINE				18										
1	SCBP0440BN8	SCREW, MACHINE				1										
4	SCBP0632BN5	SCREW, MACHINE				4										
4	SCBP0632BN8	SCREW, MACHINE				4										
11	SCBP0632SN4	SCREW, MACHINE				11										
1	SCBP0440BN7	SCREW, MACHINE				1										
2	SCBP0440BN6	SCREW, MACHINE				2										
6	SCBP0632BN5	SCREW, MACHINE				6										
1	SCBP0632BN6	SCREW, MACHINE				1										
19	SCBP0632BN7	SCREW, MACHINE				19										
4	SCBP0632SN5	SCREW, MACHINE				4										
8	SCRPO348BN6	SCREW, MACHINE				8										
10	SCRPO440BN4	SCREW, MACHINE				10										
2	SCRPO440BN14	SCREW, MACHINE				2										
12	SC-107-1	BOLT, SPADE, OFFSET TYPE				12										
4	SFB0256SN3	SCREW, THREAD CUTTING, SLOTTED PAN HD. STYLE				4										
2	SC-110-5	SCREW, THREAD CUTTING, SLOTTED PAN HD. STYLE				2										
4	SC-131-0440BN4	SCREW, UNDERCUT, FLAT HEAD				4										
4	SC-131-0632BN7	SCREW, UNDERCUT, FLAT HEAD				4										
2	SM-112	LOCK PIN				2										
1	SM-110	I.F. COIL MOUNTING BUSHING				1										
1	SM-122	DIAL BUSHING				1										

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PURCHASED ITEM	MATERIAL LIST		MODEL <u>FFRD-5A, 6A, 7A, 8A</u>		PROJ. NO.		LIST NO. <u>MI-A-910 FFRD-5A, 6A</u>	
			ISSUE				SHEET 8 OF 13 SHEETS	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	
						SPECIFICATIONS		
	S-105					Cadmium Plate		
	S-113					Fungus Resistant Varnish		
	S-114					Zinc Chromate Primer		
	S-115					Smooth Grey Enamel		
	S-135					Nickel Plate		
	S-272					Modification for RCAF Name Plate		
	S-278					Name Plate Data		
	S-306					Conversion for FT-124 Crystal		
	S-404					Iridite, AL-Coat		

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PURCHASED ITEM	MATERIAL LIST			MODEL FFRD-5A, 6A, 7A, 8A		PROJ. NO.		LIST NO. ML-A-910 FFRD-5A, 6A		
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	ISSUE				SHEET 9 OF 13 SHEETS
						B	C	D	E	
						RAW MATERIAL				
X	GL-102			1		Lacquer				
X	GL-103			1		Cement				
X	PX-100-1-.118			1		Insulation, Sleeving				
X	PX-104-1-.034			1		" , "				
X	PX-104-1-.053			1		" , "				
X	PX-104-1-.066			1		" , "				
X	PX-104-2-.034			1		" , "				
	2*5 3/4" RG-58A/U			1		Cable, R.F.				
X	MWC18(16)U0			2		Wire, Electrical Insulated, Stranded				
X	MWC22(7)U1			2		Wire, Electrical " , "				
X	MWC22(7)U2			2		Wire, Electrical " , "				
X	MWC22(7)U6			2		Wire, Electrical " , "				
X	MWC22(7)U9			2		Wire, Electrical " , "				
X	MWC22(7)UPink			2		Wire, Electrical " , "				
X	MWC24(7)SJ9			2		Cable, Insulated, Shielded w/Jacket				
X	WI-101-2			1		Cable, Shield, Flexible				
X	WI-104-541DSQS			1		Wire Litz				
X	WI-106-15			1		Magnet Wire, Double Nylon Covered				
X	WL-100-4			1		Wire: Buss-Bar, Tinned				
X	WL-100-6			1		" " " , "				
X	WL-103-1			1		Shield, Flexible				

PURCHASED ITEM	MATERIAL LIST			MODEL FFRD-5A, 6A, 7A, 8A		PROJ. NO.	LIST NO. ML-A-910 FFRD-5A, 6A	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG	ITEM NO.	DESCRIPTION	REMARKS	SHEET 10 OF 3 SHEETS
				SIZE				
						PARTS PECULIAR TO FFRD-5A		
	1	CC21SL010C		2	Capacitor, Fixed, Ceramic, Dielectric	C535		
	2	CC21SL470K		2	" , " , " , "	C524, 528		
	1	CC26SL101K		2	Capacitor, Fixed, Ceramic, Dielectric	C525		
	2	CC-101-3		1	Capacitor, Fixed, Ceramic	C505, 537		
	4	CF-114-3		1	Coil Form w/o slug			
	4	CI-109-19		2	Core, Tuning			
	1	CL-108-2	E	2	Choke, R.F.			
	1	GM30E102G		2	Capacitor, Fixed, Mica	C536		
	3	CV11A120		1	Capacitor, Variable	C502, 509, 513		
	1	CV11C300		1	" , "	C527		
	1	CV11C450		1	" , "	C523		
	X	NP-***		1	Name Plate	See S-278		
	5	RC20GF100K		2	Resistor, Fixed, Composition	R501, 503, 508, 510, 514 (2)		
	1	RC20GF121K		2	" , " , "	R525		
	1	RC20GF223K		2	" , " , "	R524		
	2	RC20GF393K		2	" , " , "	R526, 527		
	1	RC20GF472J		2	" , " , "	R520		
	4	TE-116-4		1	Collar & Lug			
	4	6AG5			Tube Electron	V500, 501, 503, 504		

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	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	SHEET <u>11</u> OF <u>13</u> SHEETS	
						PARTS PECULIAR TO FFRD-5A		
						<u>SUPPORTING DRAWINGS</u>		
	1	A-312			2	Transformer Assembly, R.F.		
	1	A-313			2	Coil Assembly		
	1	A-314	B		2	Transformer Assembly, Antenna		
	1	A-315			2	Transformer Assembly, Mixer		
	1	CH-138-1	B		4	Tube Socket Voltages		
	1	CH-137-1	AA		2	Tube Socket Resistances		
	1	GK-124	G		4	Schematic Diagram		
	1	LD-129	A		2	Dial Calibration		
	1	LD-312-5			4	Lettering, Bottom Cover	MS185	
	1	LD-313-5			4	" , Top Cover		
	1	LD-314-5	B		4	" , Chassis		

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.											LIST NO.
				FFRD-5A, 6A, 7A, 8A												ML-1-500 FFRD-5A, 6A
				ISSUE	B	C	D	E	F	G	H	J	K	L	SHEET 12	OF 13 SHEETS
QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION										REMARKS	
PARTS PECULIAR TO FFRD-6A																
1	CC21SL1R5C		2	2	Capacitor, Fixed, Ceramic, Dielectric										C635	
2	CC21SL1470K		2	2	" , " , " , "										C624, 628	
2	CC-101-2		1	1	Capacitor, Fixed, Ceramic										C605, 637	
1	CC-101-7		1	1	" , " , "										C625	
4	CF-114-3		1	1	Coil Form w/o slug											
4	CI-109-19		2	2	Core, Tuning											
1	CL-108-8	E	2	2	Choke, R.F.										I601	
1	CM30E152G		2	2	Capacitor, Fixed, Mica										C636	
3	CV11A120		1	1	Capacitor, Variable										C602, 609, 613	
1	CV11C300		1	1	" , "										C627	
1	CV11C450		1	1	" , "										C623	
X	NP-***		1	1	Name Plate										See S-278	
5	RC20GF100K		2	2	Resistor, Fixed, Composition										R601, 603, 608, 610, 614 (2)	
1	RC20GF121K		2	2	" , " , "										R625	
1	RC20GF223K		2	2	" , " , "										R624	
1	RC20GF392J		2	2	" , " , "										R620	
2	RC20GF393K		2	2	" , " , "										R626, 627	
4	TE-146-4		1	1	Collar & Lug											
4	6AG5				Tube, Electron										V600, 601, 603, 604	

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	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	SHEET <u>13</u> OF <u>13</u> SHEETS	
						PARTS PECULIAR TO FFRD-6A		
						<u>SUPPORTING DRAWINGS</u>		
	1	A-296	B	2		Transformer Assembly, R.F.		
	1	A-297	C	2		Coil Assembly Oscillator		
	1	A-298	C	2		Transformer Assembly Antenna		
	1	A-299	B	2		Transformer Assembly Mixer		
	1	CH-138-2	B	4		Tube Socket Voltages		
	1	CH-137-2	A	4		Tube Socket Resistances		
	1	CK-133	F	4		Schematic Diagram		
	1	LD-128		2		Dial Calibration		
	1	LD-312-6		4		Lettering, Bottom Cover		MS185
	1	LD-313-6		4		Lettering, Top Cover		
	1	LD-314-6	B	4		Lettering, Chassis		

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