



PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.							LIST NO.	
				FFRD-7B, 8B	7A							ML-FFRD-7B, 8B	
				ISSUE	A	B	C	D	E	F	G	H	J
QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION							REMARKS	
					ELECTRICAL COMPONENTS AND MECHANICAL PARTS								
1	BI-101-1/4		1		Lamp, Incandescent, Bayonet Base								
1	CB-101	G	2		Capacitor, Variable, Air Tuning								
20	CC-100-16		2		Capacitor, Fixed, Ceramic Disc.								
1	CC-101-1		1		" , " , "								
1	CC21SL100D		2		Capacitor, Fixed, Ceramic Dielectric								
1	CF-100	A	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-100-1		2		" , " , " "								
1	MP-102-1	B	1		Knob, Instrument Type, Round								

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PURCHASED ITEM	MATERIAL LIST			MODEL FFRD-7B,8B		PROJ. NO.		LIST NO. ML-FFRD-7B,8B	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	ISSUE		SHEET 2 OF 13 SHEETS	
						A	B	C	D
ELECTRICAL COMPONENTS AND MECHANICAL PARTS						REMARKS			
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	
1	MS-163-2 (USE A-318)			8		Head Frame		No Drawing	
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		LD312-7,-8	
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-161-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-7B, 8B		PROJ. NO.		LIST NO. ML-FFRD-7B, 8B		
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	ISSUE		SHEET 3 OF 13 SHEETS		
						A	B	C	D	E
						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-F01		1		Socket, 7 Pin Miniature Miniature				XV-00, _01, _02, _03, _04
	2	TS-102-U02		1		Shield, 7 Pin Miniature Miniature				EV _02, _03
	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

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MATERIAL LIST		REV.	G H J										MODEL	ML-FFRD-7B,8B		
													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										
2	SCBP0632BN8	SCREW, MACHINE				2										
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	SCFB0256SN3	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										
1	SM-110	I.F. COIL MOUNTING BUSHING				1										

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PURCHASED ITEM	MATERIAL LIST			MODEL <u>FFRD-7B, 8B</u>		PROJ. NO.		LIST NO. <u>ML-FFRD-7B, 8B</u>			
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	ISSUE		SHEET <u>6</u> OF <u>13</u> SHEETS	
								A	B	C	D
						<b>HARDWARE</b>					
	2	SM-112				LOCK PIN					
	1	SM-122				DIAL BUSHING					
	<b>6</b>	<b>SP-102</b>	<b>C</b>	<b>1</b>		<b>Spring Lock</b>					
	8	TE-102-2				Terminal, Turret					
	11	TE-104-2				Terminal, Locking					
	2	TE-108-6				Standoff, Rivet Type				(2) A-131	
	4	TE-109-1				Split Terminal Lug				(4) A-131	
	1	TE-110-1				Lug, Solder					
	9	TE-110-2				" , "					
	1	TE-110-3				" , "					
	1	TE-111-2				" , "					
	3	TE-114-2				Terminal, Feed Thru					
	3	TE-115-1				Terminal, Turret, Midget Type					
	2	TE-116-2				Lug, Solder					
	2	TE-117-21				Standoff, Spacer					
	1	WA-102-5				Washer, Fiber, Shoulder					
	16	WA-109-1				Washer, Fiber					
	1	WA-109-17				Washer, Fiber					

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PURCHASED ITEM	MATERIAL LIST			MODEL FFRD-7B, 8B 7A, 8A		PROJ. NO.	LIST NO. <u>ML-FFRD-7B-8B</u>	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	
						SUPPORTING DRAWINGS		
	1	A-131	C		2	I.F. Terminal Board Assembly		
	1	A-136	A		2	I.F. Can Assembly		
	1	A-157	L		2	I.F. Transformer Assembly		
	4	A-173	C		2	Case Assembly		
		A-228	B		4	Front Panel Assembly		
		A-229	F		8	Mechanical & Electrical Sub-Assembly		
		A-236	A		4	Main Assembly		
		A-318	H		8	Head Frame Assembly		
		A-323	D		4	Shield Assembly, Tuning Condenser		
		A-325	D		2	Plug Assembly		
		CA-113	A		1	Cable Assembly		
		CA-114	A		1	Cable Assembly		
		CA-115	B		1	Cable Assembly		
		CH-102	C		2	Component Color Code		
		LD-120	A		2	R.F. Head Engraving		
		LD-124	D		8	Chassis and Cover Lettering		
		PM-415			1	Shaft Lock Knob Modification	Used for PM-181-L	

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PURCHASED ITEM	MATERIAL LIST			MODEL FFRD-7B, 8B		PROJ. NO.		LIST NO. ML-FFRD-7B, 8B	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	ISSUE		SHEET 8 OF 13 SHEETS	
						A	B	C	D
SPECIFICATIONS						DESCRIPTION		REMARKS	
	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-7B, 8B		PROJ. NO.		LIST NO. ML-FFRD-7B, 8B		
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	ISSUE		SHEET 10 OF 13 SHEETS		
						A	B	C	D	E
						PARTS PECULIAR TO FFRD-7B				
1	CC21SL010C			2		Capacitor, Fixed, Ceramic, Dielectric				C735
2	CC21SL220K			2		" , " , " , "				C705, 737
2	CC21SL470K			2		" , " , " , "				C724, 728
1	CC21SL080D			2		Capacitor, Fixed, Ceramic				C725
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.				L701
1	CM30E222Q			2		Capacitor, Fixed, Mica				C736
1	CV11A120			1		Capacitor, Variable				C723
4	CV11C300			1		" , "				C702, 709, 713, 727
X	NP-*** (See S-278)			1		Name Plate				See S-278
5	RC20GF100K			2		Resistor, Fixed, Composition				R701, 703, 708, 710, 729
1	RC20GF121K			2		" , " , "				R725
1	RC20GF131J			2		" , " , "				R728
1	RC20GF223K			2		" , " , "				R724
1	RC20GF222K			2		" , " , "				R720
2	RC20GF393K			2		" , " , "				R726, 727
4	TE-114-4			1		Collar & Lug				
3	TS-102-U02					Shield, Tube				EV700, 701, 704
4	6AG5					Tube, Electron				V700, 701, 703, 704

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PURCHASED ITEM	MATERIAL LIST			MODEL FFRD-7B, 8B, 7A, 8A		PROJ. NO.	LIST NO. <u>MI-FFRD-7B, 8B</u>	
	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-7B		
						<u>SUPPORTING DRAWINGS</u>		
	1	A-304	A		2	Transformer Assembly, R.F.		
	1	A-305	A		2	Oscillator Coil Assembly		
	1	A-306	A		2	Transformer Assembly Antenna		
	1	A-307	B		2	Transformer Assembly Mixer		
	1	CK-376	J		4	Schematic Diagram		
	1	LD-127			2	Dial Calibration		
	1	LD-312-7			4	Lettering, Bottom Cover	MS185	
	1	LD-313-7			4	Lettering, Top Cover		
	1	LD-314-7	B		4	Lettering, Chassis		
	1	CH-137-3	A		4	Tube, Socket Resistances		
	1	CH-138-3	B		4	Tube, Socket Voltages		

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.	LIST NO.
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	FFRD-7B, 8B		ML-FFRD-7B, 8B
				ISSUE	ABCDEFGHIJ	SHEET 12 OF 13 SHEETS
			DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS
					PARTS PECULIAR TO FFRD-3B	
1	CC21SL1R5C		2		Capacitor, Fixed, Ceramic, Dielectric	C835
1	CC21SL120K		2		" , " , " , "	C805
2	CC21SL1470K		2		" , " , " , "	C824, 805, 828
1	CC21SL100D		2		" , " , " , "	C825
1	CC-101-1		1		Capacitor, Fixed, Ceramic	C806
4	GF-114-3		1		Coil Form w/o slug	
4	GI-109-19		2		Core, Tuning	
1	GL-108-6	E	2		Choke, R.F.	L801
1	GM20E132G		2		Capacitor, Fixed, Mica	C836
1	CV11A070		1		Capacitor, Variable	C827
4	CV11C300		1		" , "	C802, 809, 813, 823
X	NP-***		1		Name Plate	See S-278
6	RC20GF100K		2		Resistor, Fixed, Composition	R801, 803, 808, 810, 814 (2)
2	RC20GF121J		2		" , " , " , "	R825, 827
1	RC20GF131J		2		" , " , " , "	R828
1	RC20GF102K		2		" , " , " , "	R820
2	RC20GF223J		2		" , " , " , "	R824, 826
3	TE-114-1		1		Collar & Lug	
4	TE-114-4		1		" & "	
3	TS-102-U01				Shield, Tube	EV800, 801, 804
1	6AG5				Tube, Electron	V803
3	6AK5				" , "	V800, 801, 804

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.	LIST NO.		
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	ISSUE	SIZE	ITEM NO.	DESCRIPTION	REMARKS
				FFRD-7B, 8B		ML-FFRD-7B, 8B		
				A B C D E F G H J				SHEET 13 OF 13 SHEETS
							PARTS PECULIAR TO FFRD-8B	
							<u>SUPPORTING DRAWINGS</u>	
1	A-175	B	2				Transformer Assembly Oscillator	
1	A-177	B	2				" " Antenna	
1	A-194	B	2				" " Mixer	
1	A-198	B	2				" " R.F.	
1	A-241	B	1				Inductor, Fixed Assembly	
1	CK-378	G	Roll				Schematic Diagram, FFRD-8B with FFR-3	
1	CK-377		4				Schematic Diagram, FFRD-8B	
1	LD-125	C	2				Lettering, Dial Calibration	
1	LD-312-8		4				Lettering, Bottom Cover	MS185
1	LD-313-8		4				Lettering, Top Cover	
1	LD-314-8	B	4				Lettering, Chassis	
1	CH-137-4	A	4				Tube Socket Resistances	
1	CH-138-4	B	4				Tube Socket Voltages	

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