

USED ON

MODEL

SECTION

FFR-3

R

LIST NO.

REV.

RECEIVER

(TITLE)

LIST SECTIONS

- 1. SUPPORTING LISTS TR-021
- 2. ELECTRICAL / MECHANICAL SH. 1-5
- 3. TUBES / DIODES SH. 6
- 4. HARDWARE SH. 7-12
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- 6. SUPPORTING DRAWINGS SH. 14-15
- 7. SPECIFICATIONS SH. 16
- 8. LOOSE ITEMS SH. 13
- 9. PARTS PECULIAR NONE REQ.

TYPED _____

CHECKED REV. M 16 _____

APPROVED REV. M. 16 _____

COMMUNICATIONS RECEIVER

PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.													LIST NO.						
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	ISSUE	FFR-3	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R	ML-FFR-3	
SHEET 1 OF 19 SHEETS																								
I ELECTRICAL COMPONENTS AND MECHANICAL PARTS																								
REMARKS																								
1	A-164-1			2		Coil B.F.O. Sub-Assembly, P/O A-164-2																		(1) A-164-2
1	BI-101-44			1		Lamp, Incandescent, Bayonet Base																		1100
1	CC21SL050D			2		Capacitor, Fixed, Ceramic - Dielectric																		C145
1	CC21SL100D			2		" " " " " "																		C144
1	CC21SL220J			2		" " " " " "																		C131
1	CC21SL300J			2		" " " " " "																		C141
1	CC21SL470K			2		" " " " " "																		C138
1	CC21SL510J			2		" " " " " "																		C119
2	CC26SL101K			2		Capacitors, Fixed, Ceramic - Dielectric																		C118, 121
1	CC-100-9			2		Capacitor, Fixed, Ceramic Disc.																		C132
2	CC-100-15			2		" " " " " "																		C127, 133
18	CC-100-16			2		" " " " " "																		C101, 102, 103, 106, 107, 109, 108, 110, 113, 114, 115, 122, 125, 139, 140, 143, 146, 154,
3	CC-100-23			2		Capacitor, Fixed, Ceramic, Disc.																		C157, A, B, C158, A, B, C153, A, B,
2	CC-101-2			1		Capacitor, Fixed, Ceramic																		C135, 142
1	CC-101-3			1		" " " " " "																		C134
1	CE52F350R			2		Capacitor, Dry Electrolytic, Octal																		C149A, B
1	CE-100			1		Capacitor, Dry, Electrolytic																		C151
3	CF-100	A		1		Coil Form																		(3) A-157
1	CF-102	A		1		Coil Form, Slug Tuned																		(1) A-164-1
6	CI-109-18			2		Core, Tuning																		(6) A-157

FORM NO. 106 REV. 5-4-57

COMMUNICATIONS RECEIVER

PURCHASED ITEM	MATERIAL LIST			MODEL FFR-3		PROJ. NO.	LIST NO. ML-FFR-3	
				ISSUE A B C D E F G H J K L M N P R		SHEET 2 OF 19 SHEETS		
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	
					ELECTRICAL COMPONENTS AND MECHANICAL PARTS			
2	CL-101-3	A	1		Choke, R.F.	L102, 104		
2	CM20B471K		2		Capacitor, Fixed, Mica	C155, 156		
1	CM20C511G		2		" , " , "	C136		
6	CM20D621G		2		" , " , "	C104, 105, 111, 112, 116, 117		
4	CN-100-3		1		Capacitor, Fixed, Moulded Plastic	C123, 129, 130, 152		
1	CP41B1FF405K		2		Capacitor, Fixed, Cylindrical Case	C148		
1	CP53B4EF104L		2		Capacitor, Fixed, Bathtub Case	C147, A, B		
1	CP69B1EF105K		2		Capacitor, Fixed, Metallic Case	C128		
1	CP69B4EF504V		2		" , " , " "	C120		
1	CT-104-2		1		Capacitor, Variable, Air, Trimmer	C137		
1	CV11C300		1		Capacitor, Variable	C100		
4	CU-139-2B		1		Ferrule, Handle			
1	DL-100-4				Dummy Load, Elec, BNC	(1)A166		
1	FH-100-2		1		Fuse, Extractor, Post	XF-100		
1	FP-102-1 (USE A-139)		8		Chassis Frame	(1)A-139 For Commercial & US Navy		
1	FP-102-2 (USE A-139)		8		" "	(1)A-139 For RCAF Only		
1	FP-103 (USE A-156)		8		Chassis Center	(1)A-156 Ref: LD-126		
1	FP-111 (USE A-158)		4		Pan	(1)A-158 Ref: LD-399		
4	FP-108-1	J	1		Can	(3)A-136, (1)A-163		
1	FU-100-2		1		Fuse	F100		
2	HA-102-2BN		2		Handle			
1	JJ-034		1		Jack, Telephone	J106		
1	JJ-104		2		Connector, Multi, Coaxial	J107		
1	JJ-115		1		Receptacle, Modified	J108		
1	JJ-120-2		1		Receptacle, 4 Prong	J105		

COMMUNICATIONS RECEIVER

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	MODEL	FPR-3			
																		SHEET		3	OF	19
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS															
				USED ON	USED TO MOUNT	QUAN.																
4	MP-100-4	Knob, Instrument, Fluted Type																				
1	MS-121	Panel, Front	LD-117																			
4	MS-132	Grounding Strap, I.F. Core																				
2	MS-145	Lock, Link																				
6	MS-154-1	Straddle Paddle																				
1	MS-181	BFO Shield																				
1	MS-182 (USE A-316)	Cover Assembly, Power Supply																				
2	MS-183 (USE A-317)	Cover Assembly, Top and Bottom	MS-1283																			
1	MS-194	Cover, Jacks																				
7	MS-343	Bracket, Terminal Board																				
2	MS-1283	Blank Size, Covers	MS-183																			
1	MS-1331	Cover, Capacitor																				
1	MS-1332	Brace, Power Supply Chassis																				
1	MS-1346	Chassis, Power Supply	LD-460																			
X	NP*** (USE S-278)	Name Plate																				
1	NP-102-5	Name Plate, Identification																			Commercial	
1	NP-134	Name Plate, Patent																				
1	PM-158	Brace, Front Panel, Top																				
1	PM-159	Brace, Front Panel, Bottom																				
1	PM-160	Brace, Side																				
2	PM-175	Brace, Jack																				
2	PM-236-1	Bar, Panel Locking																				
3	PX-105 (USE A-131)	Board, Terminal, I.F.																				
1	PX-112 (USE A-162)	Board, Terminal BFO																				
1	PX-166 (USE A-1179)	Board, Terminal, Reactance																				
1	PX-167 (USE A-1180)	Board, Terminal																				
1	PX-168 (USE A-1181)	Board, Terminal, Audio																				
1	PX-169 (USE A-1182)	Board, Terminal, Detector																				
1	PX-337-3	Insulation Strip																				
2	PX-337-8	Insulation Strip																				

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

COMMUNICATIONS RECEIVER

PURCHASED ITEM	MATERIAL LIST			MODEL FFR-3		PROJ. NO.	LIST NO. ML-FFR-3	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	ISSUE
								SHEET 4 OF 19 SHEETS
						ELECTRICAL COMPONENTS AND MECHANICAL PARTS		
1	RC20GF102J		2		Resistor, Fixed, Composition	R135		
4	RC20GF104K		2		" " " "	R102, 107, 111, 151		
1	RC20GF121K		2		" " " "	R140		
5	RC20GF124K		2		" " " "	R123, 132, 141, 124, 152, 152		
2	RC20GF125K		2		" " " "	R116, 117		
2	RC20GF154J		2		" " " "	R145, 147		
1	RC20GF181K		2		" " " "	R134		
1	RC20GF220K		2		" " " "	R150		
3	RC20GF221K		2		" " " "	R101, 106, 110		
4	RC20GF222K		2		" " " "	R104, 109, 113, 122		
1	RC20GF274J		2		" " " "	R115		
1	RC20GF274K		2		" " " "	R100		
3	RC20GF333J		2		" " " "	R105, 137, 114		
1	RC20GF335K		2		" " " "	R142		
1	RC20GF392J		2		" " " "	R128		
2	RC20GF473K		2		" " " "	R119, 139		
6	RC20GF474K		2		" " " "	R118, 120, 125, 129, 130, 131		
1	RC20GF563K		2		" " " "	R138		
2	RC20GF682J		2		" " " "	" " " " 114, 116		
3	RC20GF683K		2		" " " "	R103, 108, 112		
1	RC20GF823J		2		" " " "	R133		
1	RC32GF511J		2		Resistor, Fixed, Composition	R126		
1	RC42GF152K		2		Resistor, Fixed, Composition	R127		
1	RV4ATRD105D		2		Resistor, Variable, Composition, 2 Watt	R121		
1	RV4ATSA252A		2		" " " " " " " "	R136		
1	RV4BTRD503E		2		" " " " " " " "	R143 (S102)		
1	RW-102		1		Resistor, Fixed, W.W., 25 Watts, 600 ohms	R149		
1	RW-110-30		1		" " " " " " 20 "	R148		
1	RY-126		1		Cushion, Capacitor	(1) A-1581		

MATERIAL LIST / NUMERICAL PARTS LIST		REV.	PR														MODEL:	FFR-3	SHEET	5	OF	19
PART NO.	DESCRIPTION ELECTRICAL COMPONENTS & MECH PARTS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS															
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT																		
S0239A	CONN, RECP-UHF	A166			1	J109																
ST12A	SW, TOGGLE-SPST	A226			2	S100,104																
ST22N	SW, TOGGLE-DPDT	A226			1	S101																
SW100	SW, ROTARY	A226			1	S103																
TF100	XFMR, AF	A258			1	T104																
TF196	XFMR, PWR, SD/SU	A1592			1	T105																
TF5000	REACTOR-15H	A1592			2	L100,101																
TM100-3	TERM. BD-BARR	A166			1	E100																
TM100-8	TERM. BD-BARR	A166			2	E101,102																
TR021	XFMR, RF	A166			1	T100																
TS101P01	SOC, EL TUBE-OCT	A1592			2	XV108, XC149																
TS102P01	SOC, EL TUBE-7/C				8	XV100, XV101,102,103,105, XV106,107,109																
TS102U01	SHLD, EL TUBE				1																	
TS102U02	SHLD, EL TUBE				5																	
TS102U03	SHLD, EL TUBE	A1592			2																	
TS103P01	SOC, EL TUBE-9/C				1	XV104																
TS103U02	SHLD, EL TUBE				1	EV104																
TS104-1	SOC, XTAL	A258			1	XY100																
TS106-1	LIGHT, IND-	A226			1	XI100																
UG625*/U	CONN, RECP-BNC	A166			5	J100,101,102,103,104																

COMMUNICATIONS RECEIVER

LIST NO. ML FFR-3

PROJ. NO.

SHEET 6 OF 19 SHEETS

MODEL FFR-3

ISSUE A B C D E F G H I J K L M N P R

PURCHASED ITEM

MATERIAL LIST

QUAN. PER ONE EQUIP.

PART NO.

DWG REV

DWG SIZE

ITEM NO.

II
TUBES

DESCRIPTION

REMARKS

P
P
P
P
P
P
P
P
P

3
1
1
1
1
1
1
1
1

6BA6
6AL5
6T8
6AQ5
6J6
6AQ5
5Y3GT
OA2

1
1
1
1
1
1
1
1
1

Tube, Electron
" , "
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(3)A-122
(1)A-122
(1)A-122
(1)A-122
(1)A-122
(1)A-122
(1)A-122
(1)A-122
(1)A-122

V100, 101, 102 (3)A-122
V103 (1)A-122
V104 (1)A-122
V105 (1)A-122
V106 (1)A-122
V107 (1)A-122
V108 (1)A-122
V109 (1)A-122

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	K	L	M	N	P	R	MODEL FFR-3	
																		SHEET 7	OF 19
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
9	CU-101-1	Ferrule, Coaxial Cable		CA-139		1													
				CA-165		1													
				CA-135		2													
				CA-136		2													
				CA-137		1													
				CA-140		1													
9	CU-101-2	Ferrule, Coaxial Cable		CA-139		1													
				CA-165		1													
				CA-135		2													
				CA-136		2													
				CA-137		1													
				CA-140		1													
2	CU-102-4	Clamp, "G" Type		A-263		2													
1	CU-103-1	Clip, Spring		A-258		1													
2	CU-104-4	Clamp, Cable		A-263		2													
1	CU-118-3S	Clamp, Tube		A-1592	V108	1													
17	EY-100-1	Eyelet, Flat Flange		A-156		1													
				A-136		6													
				A-165		1													
3	EY-101-1	Eyelet, Rolled Flange		A-258		1													
				A-324		2													
5	EY-102- 4	Grommet, Elastic		A-258		3													
				A-1592		2													
2	EY-102-5	Grommet, Elastic		A-258		2													
1	FC-100-6	Clip, Component		A-156		1													
1	FP-109	Clamp, Xtal		A-258	Y100	1													
16	FS-102-1	Spring "S" Type		A-139		16													
16	FS-109-31	Ring, Stud Retaining		A-317		14													
				A-316		2													
16	FS-110-1	Stud, Slotted Head		A-317		14													
				A-316		2													
7	LWE04MRN	Lockwasher, External Tooth		A-166		4													
				A-122		3													
17	LWE06MRN	Lockwasher		A-1592		17													
4	LWE08MRN	Lockwasher		A-1592		4													
3	LWE10MRN	Lockwasher		A-263		3													
2	LWI10MRN	Lockwasher, Internal Tooth		A-226		2													

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	MODEL	FFR-3		
																			SHEET	8	OF
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS														
				USED ON	USED TO MOUNT	QUAN.															
6	LWI25LRN	Lockwasher, Internal Tooth		A-157		6															
3	LWI37LRN	Lockwasher, Internal Tooth		A-258		1															
				A-226		2															
3	LWI50LRN	Lockwasher		A-226		3															
32	LWS03MRN	Lockwasher, Spring Type		A-139		32															
65	LWS04MRN	Lockwasher, Spring Type		A-1592		4															
				A-166		10															
				A-275		10															
				A-158		1															
				A-258		31															
				A-463		4															
				A-462		2															
				A-464		3															
42	LWS06MRN	Lockwasher, Spring Type		A-285		3															
				A-166		3															
				A-286		3															
				A-258		20															
				A-263		7															
				A-275		6															
11	LWS08MRN	Lockwasher		A-285		7															
				A-286		4															

COMMUNICATIONS RECEIVER

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	MODEL	FFR-3				
																		SHEET 9		OF		19	
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS																
				USED ON	USED TO MOUNT	QUAN.																	
8	NT-101-4	Nut, Strap		A-258		7																	
				A-1592		4																	
1	NT-101-5	Nut, Strap		A-258		1																	
6	NT-102	Nut, Hex		A-157		6																	
32	NTH0348BN6	Nut, Hexagon		A-139		32																	
2	NTH0440BN6	Nut, Hex		A-275		2																	
39	NTH0440BN8	Nut, Hexagon		A-463		4																	
				A-465		2																	
				A-275		6																	
				A-166		18																	
				A-258		1																	
				A-462		4																	
				A-464		4																	
54	NTH0632BN8	Nut, Hexagon		A-166		3																	
				A-285		3																	
				A-157		6																	
				A-258		14																	
				A-263		10																	
				A-1592		18																	
3	NTH0632BN10	Nut, Hex		A-286		3																	
12	NTH0832BN10	Nut, Hex		A-285		7																	
				A-286		5																	
3	NTH3732BN16	Nut, Hex		A-226		2																	
				A-258		1																	
1	SCBP0440BN3	Screw, Machine		A-158		1																	
36	SCBP0440BN4	Screw, Machine		A-258		4																	
				A-275		9																	
				A-1592		4																	
				A-258		16																	
				A-122		3																	
16	SCBP0440BN6	Screw, Machine		A-166		6																	
				A-462		4																	
				A-464		4																	
				A-465		2																	
4	SCBP0440BN7	Screw, Machine		A-463		4																	
12	SCBP0440BN8	Screw, Machine		A-166		12																	
2	SCBP0440BN10	Screw, Machine		A-275		2																	
4	SCBP0632BN4	Screw, Machine		A-258		4																	

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	MODEL	FFR-3		
																		SHEET 10		OF 19	
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS														
				USED ON	USED TO MOUNT	QUAN.															
23	SCBP0632BN5	Screw, Machine		A-285		3															
				A-263		2															
				A-166		2															
				A-1592		16															
18	SCBP0632BN6	Screw, Machine		A-258		8															
				A-263		6															
				A-275		4															
2	SCBP0632BN8	Screw, Machine		A-275		2															
1	SCBP0632BN14	Screw, Machine		A-166		1															
5	SCBP0832BN5	Screw, Machine		A-285		5															
3	SCBP0832BN6	Screw, Machine		A-286		3															
4	SCBP0832BN8	Screw, Machine		A-1592		4															
32	SCFP0348BN4	Screw, Machine		A-139		32															
1	SCFP0440BN5(TMC Gray)	Screw, Machine		A-226		1															
1	SCFP0440BN6(TMC Gray)	Screw, Machine		A-226		1															
2	SCFP0632BN3	Screw, Machine		A-286		2															
5	SCFP0632BN5	Screw, Machine		A-285		2															
				A-286		3															
4	SCBP1032BN8	Screw, Machine		A-1592		4															

COMMUNICATIONS RECEIVER

MODEL FFR-3

MATERIAL LIST

REV. A

B C D E F G H J K L M N P R

SHEET

11 OF 19

QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
		HARDWARE CONTINUED					
2	SCFF0632BN40	Screw, Machine		A-1592		2	
2	SCFF0832BN7	Screw, Machine		A-286		2	
10	SCFF1032BN8	Screw, Machine		A-226		4	
				A-286		6	
				A-226		2	
2	SCFF1032BN12	Screw, Machine		A-258		16	
16	SCRPO440BN4	Screw, Machine					
				A-136		6	
10	SC-107-1	Bolt, Spade, Offset Type		A-163		2	
				A-324		2	
				A-317		2	
2	SC-112	Screw, Captive		A-226		4	
4	SFB0256SN3	Screw, Thread Cutting,		A-156		2	
2	SM-107-13	Insert, Hex		A-226		2	
2	SM-113	Nut, Lock		A-226		2	
2	SM-114	Nut		A-158		1	
1	SM-123	Standoff, Rivet Type		A-157		6	
6	SM-145-2	Bushing			A-1592	2	
2	TE0832AET3H	Spacer, Special, Threaded, 4 1/2" Long		A-258		10	
15	TE-102-2	Terminal, Turret		A-158		1	
				A-1592		2	
				A-166		1	
				A-226		1	
7	TE-104-1	Terminal, Locking		A-258		3	
				A-166		4	
7	TE-104-2	Terminal, Locking		A-258		2	
				A-464		1	
				A-263		2	
				A-275		1	
				A-1592		1	
				A-286		1	
1	TE-104-3	Terminal, Locking		A-1592		1	
1	TE-104-4	Terminal, Locking		A-131		6	
6	TE-108-6	Standoff, Rivet Type		A-162		2	
2	TE-108-8	Standoff, Rivet Type		A-131		12	
12	TE-109-1	Lug, Split Terminal		A-162		3	
3	TE-109-3	Lug, Split Terminal					

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	MODEL	FFR-3		
																		SHEET	12	OF	19
QUAN. PER UNIT	PART NO.	DESCRIPTION CONTINUED	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS														
				USED ON	USED TO MOUNT	QUAN.															
10	TE-110-2	Lug, Solder		A-463		4															
				A-462		2															
				A-464		2															
				A-465		2															
7	TE-111-2	Lug, Solder		A-166		4															
				A-226		3															
2	TE-113-.149	Lug, Terminal		A-278		2															
2	TE-116-2	Lug, Solder		A-263		1															
				A-275		1															
2	TE-117-21	Standoff, Spacer		A-275		2															
1	TE-129	Lug, Terminal		A-226		1															
26	TE-131-4	Terminal, Midget, Double End		A-1182		7															
				A-1181		5															
				A-1179		7															
				A-1180		7															
3	WA-100	Ring, Locking		A-226		3															
1	WA-101-1	Washer, Fibre, Flat		A-258		1															
1	WA-101-10	Washer, Fibre, Flat		A-226		1															
4	WA-102-6	Washer, Fibre, Shoulder		A-1592		4															
1	WA-102-8	Washer, Fibre, Shoulder		A-226		1															
2	WA-108	Ring, Retaining		A-317		2															
4	WA-109-17	Washer, Fibre		A-275		4															
1	WR-100-4	Wrench, Hex		A-122		1															

COMMUNICATIONS RECEIVER

PURCHASED ITEM	MATERIAL LIST		MODEL	PROJ. NO.											LIST NO.						
	QUAN. PER ONE EQUIP.	PART NO.	ISSUE	FFR-3	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	ML-FFR-3
			DWG SIZE	ITEM NO.	DESCRIPTION																REMARKS
					<u>LOOSE ITEMS</u> <u>SUPPLIED FOR FFR-3 and RCR SYSTEMS</u>																
1	CA-102-2				Cord Set Cord Assembly Instruction Manual Plug. Connector, 4 Prong Plug - Navy Type - 49190 Signal Corp. Type PL-259 Terminal Strip, Fanning Terminal Strip, Fanning Adapter Plug																(1) CA-103
1	CA-103		1																		W100
2	IN-149																				
1	PL-100																				
1	PL-106-1		1																		(1) CA-103
1	PL-259		1																		
1	TM-105-8AL		2																		
1	TM-105-8AR		2																		
1	UG-176/U		1																		
5	UG-260/U		1																		

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PURCHASED ITEM	MATERIAL LIST			MODEL FFR-3		PROJ. NO.	LIST NO. ML-FFR-3
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	SHEET 14 OF 19 SHEETS
						ISSUE A B C D E F G H J K L M N P R I	
						∇ SUPPORTING DRAWINGS	
1	A-1592			8		Power Supply Assembly	
1	A-122	A		8		Final Assembly FFR-2	
3	A-131	C		2		I.F. Terminal Board Assembly	(3) A-157
3	A-136	H		2		I.F. Can Assembly	(3) A-157
1	A-139	K		8		Chassis, Frame	Ref: ID-213
1	A-156	J		8		Center Chassis	Ref: ID-126
3	A-157	L		2		I.F. Transformer Assembly 455 KC	T101, 102, 103
1	A-158	E		4		Pan Assembly	Ref: ID-399
1	A-162	B		2		B.F.O. Terminal Board Assembly	(1) A-164-2
1	A-163	C		1		Can Assembly	(1) A-164-2
1	A-164-2	C		2		BFO Coil Final Assembly	L103
1	A-166	E		8		Chassis Frame Assembly	
1	A-226	C		8		Front Panel Mechanical Assembly	
1	A-257	A		2		Brace Assembly	
1	A-258	D		8		Center Chassis Mechanical Assembly	
1	A-259	C		8		Center Chassis, Jumper Wire Assembly	
1	A-261	C		8		Center Chassis, Cable Assembly (CA-183) #1	
1	A-263	C		8		Center Chassis, Cable Assembly #2	
1	A-274	C		8		Center Chassis, Component Assembly	
1	A-275	D		8		Center Chassis and Pan Assembly	
1	A-277	C		2		Jack Assembly	
1	A-278	C		4		Chassis Frame, Jumper Wire Assembly	
1	A-285	E		8		Center Chassis and Chassis Frame Assembly	
1	A-286	C		8		Chassis and Front Panel Assembly	
1	A-316	B		4		Cover Assembly, Power Supply	
2	A-317	B		4		Cover Assembly, Top and Bottom	
1	A-324	A		2		Jack Cover Assembly	
1	A-462	B		2		Terminal Board Assembly Audio	
1	A-463	A		2		Terminal Board Assembly Detector	
1	A-464	A		2		Terminal Board Assembly Reactance	
1	A-465	B		2		Terminal Board Assembly B.F.C.	
1	A-1179			2		Board, Terminal, Reactance For PX-166	
1	A-1180			2		Board, Terminal For PX-167	
1	A-1181	A		2		Board, Terminal, Audio For PX-168	
1	A-1182			2		Board, Terminal, Detector For PX-169	
1	A-1581			1		Capacitor Cover and Cushion Assembly	

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

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COMMUNICATION RECEIVER

PURCHASED ITEM	MATERIAL LIST		MODEL FFR-3		PROJ. NO.	LIST NO. MIA-FFR-3	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS
						SUPPORTING DRAWINGS	
1	CA-113	G	8			Power Supply Cable	
1	CA-133	E	8			Cable Harness Assembly	
1	CA-134	H	8			Cable Harness Assembly Signal	
2	CA-135	A	1			R.F. Cable Assembly	
1	CA-136	A	1			R.F. Cable Assembly	
1	CA-137	A	1			R.F. Cable Assembly	
1	CA-139		1			R.F. Cable Assembly	
1	CA-140	A	1			R.F. Cable Assembly	
1	CA-165		1			R.F. Cable Assembly	
2	CA-280-2 $\frac{1}{2}$		1			Cable, Terminal Strip	
1	CA-418-3		2			Cable Assembly, RF	
1	CH-138	B	4			Tube Socket Voltages FFR-3 Receiver	AN/FFR-502
1	CH-137	A	4			" " Resistances FFR-3 Receiver	AN/FFR-502
1	CK-378		Roll			Schematic Diagram	
4	FP-108-1	J	1			Can Assembly	
1	ID-231		8			Wiring Diagram, Power Supply, CA-113	
1	ID-117	A	8			Front Panel Engraving	Ref: MS-121
1	ID-160		4			Power Supply Lettering Detail	Ref: MS-1346
1	ID-126	A	4			Letter Drawing Center Chassis	Ref: A-156
1	ID-213	E	4			Lettering, Chassis Frame	Ref: A-139
1	LD-399		1			Lettering, Pan	Ref: A-158
1	LD2084/MS181					SHIELD, BFO	U/O A122

MATERIAL LIST				REV	D	E	F	G	H	J	K	L	M	N	P	R	MODEL	ML-FPR-3
																	SHEET	17 OF 19
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS										
						USED ON	QUAN.											
				RAW MATERIALS														
X	BS-100			Solder, Soft		CA-113	X											
X	CD-101-1-MW		1	Cord, Lacing		CA-133	4-0											
						CA-134	X											
X	GL-103			Cement, Duco		A-164-2												
X	GL-104-2		1	Resin, Synthetic														
X	MWC18(16)U0		2	Cable, Insulated	BLACK													
4-3	MWC20(7)U1		2	Cable, Insulated	BROWN	CA-113	4-3											
1-9	MWC20(7)U2		2	Cable, Insulated	RED	CA-113	1-9											
1-11	MWC20(7)U4		2	Cable, Insulated	YELLOW	CA-113	1-11											
1-11	MWC20(7)U8		2	Cable, Insulated	GREY	CA-113	1-11											
2-5	MWC20(7)U9		2	Cable, Insulated	WHITE	CA-113	2-5											
2-10	MWC22(7)S2		2	Cable, Insulated	RED	CA-134	2-10											
3-8	MWC22(7)S3		2	Cable, Insulated	ORANGE	CA-134	3-8											
1-8	MWC22(7)S4		2	Cable, Insulated	YELLOW	CA-134	1-8											
1-6	MWC22(7)S5		2	Cable, Insulated	GREEN	CA-134	1-6											
2-8	MWC22(7)S6		2	Cable, Insulated	BLUE	CA-134	2-8											
6-4	MWC22(7)SJ9			Cable, Insulated, Shielded	WHITE	CA-133	2-1											
						CA-134	4-3											
7-7	MWC22(7)U1		2	Cable, Insulated	BROWN	CA-113	2-9											
						CA-133	4-10											
13-4	MWC22(7)U2		2	Cable, Insulated	RED	A-259	0-5											
						CA-113	6-0											
						CA-133	3-3											
						CA-134	3-8											
2-5	MWC22(7)U4		2	Cable, Insulated	YELLOW	CA-134	2-2											
						A-259	0-3											
3-4	MWC22(7)U5		2	Cable, Insulated	GREEN	CA-113	0-8											
						CA-133	2-0											
						CA-134	0-8											

MATERIAL LIST

REV D E F G H J K L M N P R

MODE M-PP-5
SHEET 18 OF 19

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
				RAW MATERIALS				
8-6	MWC22(7)U6		2	Cable, Insulated	BLUE	A-259 CA-113	1-1 3-2	
						CA-133	2-2	
						CA-134	2-1	
3-1	MWC22(7)U7		2	Cable, Insulated	VIOLET	CA-113	1-4	
						CA-133	1-9	
2-4	MWC22(7)U8		2	Cable, Insulated	GREY	CA-113	2-4	
4-8	MWC22(7)U9		2	Cable, Insulated	WHITE	CA-113	2-6	
						CA-133	2-2	
2-2	MWC22(7)UPINK		2	Cable, Insulated	PINK	CA-133	2-2	
4-10	MWC22(7)U91		2	Cable, Insulated	WH/BROWN	CA-133	4-10	
2-2	MWC22(7)U92		2	Cable, Insulated	WH/RED	CA-113	2-2	
0-3	PX-100-1-.106		1	Insulation, Sleeving				
0-4	PX-100-1-.118		1	Insulation, Sleeving				
1-4	PX-104-1-.034		1	Insulation, Sleeving				
0-4	PX-104-2-.034		1	Insulation, Sleeving				
0-4	PX-104-3-.034		1	Insulation, Sleeving				
0-4	PX-104-4-.034		1	Insulation, Sleeving				
0-2	PX-104-5-.034		1	Insulation, Sleeving				
1-0	PX-104-6-.034		1	Insulation, Sleeving				
3-5	RG-58A/U		1	Cable R.F.				
X	TA-100-2		1	Tape, Vinyl Plastic				
2	W-101-2		2	Wire	WHITE	CA-113 CA-133		

COMMUNICATIONS RECEIVER

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	MODEL	FFR-3		
																		SHEET	19	OF	19
QUAN. PER UNIT	PART NO.	DESCRIPTION RAW MATERIALS CONTINUED	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS														
				USED ON	USED TO MOUNT	QUAN.															
X	WI-104-541-DSQS	Wire, Litz		A-157		X															
X	WI-104-541-SSE	Wire, Litz,		A-164-1		X															
1-0	WI-100-6	Wire: Buss-		A-157		X															
4-7	WL-100-7	Wire: Buss-		A-259		2-1															
				A-278		1-6															
				A-266		0-2															
2-6	WL-100-8	Wire, Buss		A-462		0-6															
				A-463		1-4															
				A-464		0-3															
				A-465		0-5															
1-6	WL-101-1	Transmission, Line Horn		A-278		0-3															
1-3	WL-103-1	Shield, Flexible		CA-135		0-4															
				CA-136		0-4															
				CA-137		0-2															
				CA-140		0-2															
125'	WL-104-3	Antenna Wire, Bronze																			

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

MODEL FFR-3 PROJECT NO 16

DATE	REV.	PAGE	ITEM	DESCRIPTION	MOD. NO.	CHK.	APP.
10-27-58	A	3	--	MS-1322 changed to MS-1332 (Error)	480	P.K.	16
"	"	13	--	ID-231 added	480	J.E.	16
6-23-59	A	9		added TE-106-1	1134	J.D.	16
6-29-59	A	4		RC20GF333J(1114) was RC20GF682K	1139	A.B.	16
5-11-60	B	2	2266	Added CU-126-B			16
6-7-61	C	5	5050	On TR-021, added Sym. T100			16
6-7-61	C	12	5050	On A-157, added Sym. T101, 102, 103			16
				On A-164, added Sym. L103			16
7-14-61	D	15, 16	5261	Chg. all "SRIR" Nomenclature to "NWC".			16
7/13/62	E	7	6949	On CU-101-1, Chg. Quan. from 8 to 9			16
				On CU-101-2, Chg. Quan. from 8 to 9			16
				Add 1 ea. CA-418-3			16
				On WL-103-1, Chg. length from 1'4" to 2'			16
2/13/63	F	15	8297	Add BS-100			16
				Dele. repetition of CD-101-1-MW			16
				Add MWC22(7)SJ9			16
				Update all lengths & Ref's.			16
				Update lengths & Ref's.			16
				Dele. WI-101-4			16
				Chg. CU-126-B to CU-139-2B			16
2/13/63	G	2	8589	Chg. GP69B4EF504L to GP69B4EF504V (C120)			16
3/19/63	G	2		Chg. Quan. on CU-139-2B from 2 to 4			16
				Chg. HA-102-2-AG to HA-102-2BN			16
				Add 1 ea. A-164-1			16
				Chg. FW06MRC to HBN			16
				Chg. FW08MRN to HBN			16
				Chg. LWE04MRC to MRN			16
				Chg. LWI10LRC to MRN			16
				Chg. LWI25LRC to LRN			16
				Chg. LWI46LRC to LRN			16
				Chg. LWS03LRC to MRN			16
				Chg. LWS04LRC to MRN			16
				Chg. LWS04MRC to MRN			16
				Chg. LWS04MSC to MSN			16
				Chg. all "BC" to "BN"			16
				Chg. all "SCBS" to "SCBP"			16

