



MODE SELECTOR RECEIVER

PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.													LIST NO.
	QUANTITY REQ.	P	N	MSR-3A	E F G H J K L M N													ML-MSR-3A
	L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF Used On	SYMBOLS											
					<u>ELECTRICAL/MECHANICAL</u>													
	1	A-1381 (NPL A-1381)		2	17 KC Oscillator Network Assembly		Z4 c/o R41, T3, C38, 39, 40, 50											
	1	A-1384 (NPL A-1384)		2	Sidetone Generator Assembly		Z5 c/o C53, 55, T4											
	1	A-1507 (ML-1507)		2	First Oscillator Assembly		Z3 c/o C32, T2											
P	3	BI-101-47		1	Lamp, Incadescent		I1, 2, 3											
P	1	CA-387		1	Cable, AC	CA- 1079												
P	1	CB-135-4		2	Capacitor, Variable, Air, 2.8-16 mmf		C28											
P	1	CC21SL220J		2	Capacitor, Fixed, Ceramic	A-1789	C45											
P	1	CC21SL300J		2	Capacitor, Fixed, Ceramic	A-1790	C34											

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.	LIST NO.				
	QUANTITY REQ.	P L P N	PART NO.	MSR-3A	ISSUE	ML-MSR-3A				
				E		F	G	H	J	K
REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS						
<u>ELECTRICAL/MECHANICAL</u>										
P	1		CR-105-1- <del>100000</del>	2	Crystal Unit, Quartz, 183 KC	Y1				
P	1		CR-105-2- <del>110000</del>	2	Crystal Unit, Quartz, 217 KC	Y2				
P	1		CU-118-3S	2	Clamp, Tube	For V10				
P	4		CU-139-2B	1	Ferrule, Handle					
P	1		CV11C450	1	Capacitor, Variable, Mica, 7-45 uuf	C29				
P	1		FH-100-2	1	Fuse, Extractor Post	XF1				
P	4		FP-109	1	Clamp, Crystal	For XY1,2 (Two Per Socket)				
P	1		FU-100-3	1	Fuse, Cartridge, 3 Amp.	F1				

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MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL

MSR-3A

PROJ. NO.

LIST NO.

ML-MSR-3A

ISSUE

E F G H J K L M N

SHEET 5

OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	TYPE	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
						<u>ELECTRICAL/MECHANICAL</u>		
P	1		FX-152		2	Filter, Low Pass		Z2
P	1		FX-153		2	Filter, Bandpass		Z1
P	2		HA-102-2BN		2	Handle		
P	1		JJ-034		1	Jack, Telephone		J3
P	1		LI-101-1L		1	Lens, Lamp, "L" (Lower)	For I1	
P	1		LI-101-1U		1	Lens, Lamp, "U" (Upper)	For I2	
P	3		MP-100-4		2	Knob, Instrument Type, Fluted		
P	1		MP-106-1		1	Knob, Instrument Type, Skirted		

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.										LIST NO.	SHEETS			
	QUANTITY REQ.	REV	PART NO.	ISSUE	MSR-3A	E	F	G	H	J	K	L	M	N	ML-MSR-3A	6	OF	24	SHEETS
					DWG SIZE	DESCRIPTION										REF	SYMBOLS		
						<u>ELECTRICAL/MECHANICAL</u>													
P	4		MS-154-1		1	Plate, Straddle													
	1		MS-990-1		1	Pointer, Knob													
	1		MS-997		1	Bracket, Capacitor Smtg.													
	1		MS-999 (Use A-1370)		ND	Cover, Relay													
	1		MS-1000		4	Side Plate, Left													
	10		MS-1321		1	Bracket, Term. Board, Mtg.										u/o (3) A-	1790	(2)	A-1789
																u/o (3) A-	1791	(2)	A-1577
																LD-409			
	1		MS-1322		8	Chassis, Main										MS-1329			
	1		MS-1323		8	Cover, Top													
	2		MS-1324		1	Bracket, Relay Mounting													
	1		MS-1325		1	Support, Side Plate													
P	1		MS-1326		1	Blank Size, Bottom Cover										MS-1327			
	1		MS-1327		2	Cover, Bottom										MS-1326			
	1		MS-1328		8	Sideplate, Right										LD-446			
P	1		MS-1329		1	Blank Size, Top Cover										MS-1323			
	1		MS-1331		1	Cover, Capacitor										u/o A-1581			
	1		MS-1332		1	Brace, Power Supply Chassis													
P	1		MS-1334		8	Panel, Front										LD-448			
	1		MS-1346		8	Chassis, Power Supply										LD-449			
	1		MS-2314		2	Cover, Power Supply													
P	1		MS3057-8		1	Clamp, Cable										u/o CA 1079	For P2		
P	1		MS3102A14S-2P		1	Connector, Receptacle, Male											J4		
P	1		MS3102A16S-5P		1	Connector, Receptacle, Male											J2		
P	1		MS3106A16S-5S		1	Connector, Plug, Female										u/o CA 1079	P2		

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MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL MSR-3A

PROJ. NO.

LIST NO. ML-MSR-3A

ISSUE E F G H J K L M N

SHEET 9 OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION	REF Used On	SYMBOLS
<u>ELECTRICAL/MECHANICAL</u>								
P	1		RC20GF563K		2	Resistor, Fixed, Composition	A-1789	R52
P	2		RC20GF681K		2	Resistor, Fixed, Composition	A-1791	R64, 66
P	1		RC20GF823K		2	Resistor, Fixed, Composition	A-1789	R47
P	1		RC20GF684K		2	Resistor, Fixed, Composition	A-1789	R44
P	1		RC32GF103K		2	Resistor, Fixed, Composition	A-1791	R25
P	3		RC32GF223K		2	Resistor, Fixed, Composition	A-1790	R4, 10, 11
P	1		RC32GF333K		2	Resistor, Fixed, Composition	A-1791	R36
P	1		RC32GF683K		2	Resistor, Fixed, Composition	A-1790	R6
P	1		RC42GF223K		2	Resistor, Fixed, Composition	A-1790	R62
P	1		RC42GF473K		2	Resistor, Fixed, Composition	A-1791	R24
P	1		RC42GF561K		2	Resistor, Fixed, Composition	A-1791	R34
P	1		RC42GF563K		2	Resistor, Fixed, Composition	A-1791	R56
P	2		RL-105		1	Relay		K1, 3
P	1		RL-118-17A115-60A		2	Relay, Armature, Impulse Type		K2

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MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL MSR-3A

PROJ. NO.

ISSUE E F G H J K L M N

LIST NO. ML-MSR-3A

SHEET 10 OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	L P Z	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
<u>ELECTRICAL/MECHANICAL</u>								
P	1		RV4NAYSD105D		2	Resistor, Variable, Composition	Audio Gain	R30
P	1		RV4NAYSA104B		2	Resistor, Variable, Composition	Tone Thresh.	R60
P	1		RV4NAYSA252A		2	Resistor, Variable, Composition	React. Bal.	R48
P	1		RV4LAYSA105B		2	Resistor, Variable, Composition	Relay Thresh.	R54
P	1		RW-109-47		1	Resistor, Fixed, Wire Wound		R55
P	1		RY-125-1		1	Bushing, Cable	u/o CA 1079	
P	1		RY-126		1	Cushion, Capacitor	u/o A-1581	
P	2		ST12A		2	Switch, Toggle	AVC	S1,2
P	2		ST22K		2	Switch, Toggle	Main Power Output Level	S7, S8

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PURCHASED ITEM			MATERIAL LIST				MODEL	PROJ. NO.							LIST NO.	SHEETS				
			REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS			MSR-3A							ML-MSR-3A	11 OF 24 SHEETS		
QUANTITY REQ.	L	P								E F G H J K L M N										
<u>ELECTRICAL/MECHANICAL</u>																				
P	1			2	Switch, Push Botton	Sideband	S6													
P	1			1	Switch, Rotary	Manual,	S5													
P	1			2	Switch, Rotary	Xtal	S4													
	1			2	Spacer, Threaded, 2-15/16" Lg.	BFO														
	2			2	Spacer, Threaded, 4-1/2" Lg.												For Top Cover For Cap. Cover			
P	1			2	Transformer, A.F.		T1													
P	1			2	Transformer, Power		T5													
P	2			2	Transformer, Reactor		L1,2													
P	1			1	Terminal Strip, Barrier		E2													
P	1			1	Terminal Strip, Barrier	u/o A-1582	E1													

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.							LIST NO.	ML-MSR-3A							
	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION	REF Used On	SYMBOLS			ISSUE	SHEET 14 OF 24 SHEETS								
						<u>HARDWARE</u>														
P	4		EY-100-1			Eylet, Flat Flange	(4) A-1370													
P	2		EY-102-4			Grommet, Elastic	(1) CA-324													
P	1		EY-102-6			Grommet, Elastic	(1) CA-388													
	1		EY102-5			Grommet, Elastic	(1) CA-388													
							(1) CA324													
P	10		FS-102-1		1	Spring, "S" Type	(4) MS-1000													
							(4) MS-1328													
							(2) MS-1322													
P	10		FS-109-3		1	Ring, Stud Retaining	(4) MS-1323													
							(6) MS-1327													
P	10		FS-110-1		1	Stud	(4) MS-1323													
							(6) MS-1327													
P	1		FW04LBN		1	Washer, Flat														
P	4		FW06LBN		1	Washer, Flat														

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MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL

MSR-3A

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LIST NO.

ML-MSR-3A

ISSUE

E F G H J K L M N

SHEET

16 OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION	REF Used On	SYMBOLS
						<u>HARDWARE</u>		
P	4		SC-106-1			Bolt, Spade, Straight	(4) A-1370	
P	19		SCBP0440BN4		1	Screw, Machine		
P	12		SCBP0440BN6		1	Screw, Machine		
P	8		SCBP0440BN10		1	Screw, Machine		
P	23		SCBP0632BN4		1	Screw, Machine		
P	17		SCBP0632BN5		1	Screw, Machine		
P	14		SCBP0632BN6		1	Screw, Machine	(4) A-1577 (4) A-1789 (6) A-1791 (6) A-1790	
P	3		SCBP0632BN7		1	Screw, Machine		
P	10		SCBP0832BN5		1	Screw, Machine		
P	5		SCBP0832BN6		1	Screw, Machine		
P	4		SCBP0832BN7		1	Screw, Machine		
P	4		SCBP1032BN8		1	Screw, Machine		
P	20		SCFP0348BN4		1	Screw, Machine		
P	3		SCFP0632BN5		1	Screw, Machine		
P	2		SCFP0632BN6		1	Screw, Machine		
P	1		SCFP0632BN36		1	Screw, Machine	For R55 Mtg.	
P	11		SCFP0832BN8		1	Screw, Machine		
P	4		SCFP1032BN8		1	Screw, Machine		

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MATERIAL LIST

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ISSUE

E F G H J K L M N

SHEET 17 OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	P P N L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF Used On	SYMBOLS
<u>HARDWARE</u>								
P	1		TE-102-2		1	Terminal, Turret		
P			TE-104-2			Terminal, Locking		
P	21		TE-108-3			Standoff, Rivet Type	(1) A-1527 (6) A-1571 (6) A-1572 (4) A-1573 (4) A-1574	
P	188		TE-109-3			Lug, Terminal	(18) A-1527 (56) A-1571 (68) A-1572 (30) A-1573 (16) A-1574	
P			TE-111-2		1	Lug, Solder		
P	9		TE-120-2			Lug, Spade	(8) CA-324	
P			TE-149-120			Terminal, Lug	(1) CA-390	
P	1		TE-165-31577		1	Terminal	(1) CA-390	
P	2		WA-101-10		1	Washer, Fibre		
P	2		WA-102-4		1	Washer, Fibre	For JJ-034 For R55 Mtg.	

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MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL MSR-3A

PROJ. NO.

LIST NO. ML-MSR--3A

ISSUE E F G H J K L M N

SHEET 19 OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION	REF Used On	SYMBOLS
<u>RAW MATERIALS</u>								
P	X		MWC22(7)U0		2	Cable, Insulated	Black	CA-324
P	X		MWC22(7)U1		2	Cable, Insulated	Brown	CA-388
P	X		MWC22(7)U2		2	Cable, Insulated	Red	CA-324
P	X		MWC22(7)U3		2	Cable, Insulated	Orange	CA-388
P	X		MWC22(7)U4		2	Cable, Insulated	Yellow	CA-324
P	X		MWC22(7)U5		2	Cable, Insulated	Green	CA-388
P	X		MWC22(7)U6		2	Cable, Insulated	Blue	CA-388
P	X		MWC22(7)U7		2	Cable, Insulated	Violet	CA-324
P	X		MWC22(7)U9		2	Cable, Insulated	White	CA-388
P	X		MWC22(7)UPINK		2	Cable, Insulated	Pink	CA-388
P	X		MWC22(7)U91		2	Cable, Insulated	Wh/Brown	CA-388
P	X		MWC22(7)U92		2	Cable, Insulated	Wh/Red	CA-324
P	X		MWC22(7)U93		2	Cable, Insulated	Wh/Orange	CA-388
P	X		MWC24(7)S2		2	Cable, Insulated	Red	CA-324
P	X		MWC24(7)S6		2	Cable, Insulated	Blue	CA-388
P	X		MWC24(7)S9		2	Cable, Insulated	White	CA-388
			PX104-1-022			INS SLVG		
P	X		PX-104-1-.034		1	Insulation, Sleeving	Black	A-1527, A-1790, A-1791, A-1789 A-1577
P	X		PX-104-2-.034		1	Insulation, Sleeving	Yellow	A-1527, A-1790, A-1791, A-1789 A-1577

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MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL

MSR-3A

PROJ. NO.

LIST NO.

ML-MSR-3A

ISSUE

E F G H J K L M N

SHEET

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PURCHASED ITEM	QUANTITY REQ.	P P N L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF Used On	SYMBOLS
<u>RAW MATERIALS</u>								
P	X		PX-104-3-.034		1	Insulation, Sleeving	Red	A-1527, A-1791
P	X		PX-104-4-.034		1	Insulation, Sleeving	Green	A-1527, A-1790, A-7191, A-1789 A-1577
P	X		PX-104-6-.034		1	Insulation, Sleeving	Blue	A-1527, A-1790, A-1791, A-1789 A-1577
P	X		PX-104-8-.034		1	Insulation, Sleeving	Orange	A-1791
P	X		PX-104-9-.034		1	Insulation, Sleeving	Violet	A-1527, A-7190, A-1791, A-1789 A-1577
P	X		WI-109-2		1	Cable, Shielded (Size 20)		
P	X		WI-120-15		1	Wire, Magnet, #34 DSC		CL-130
P	X		WL-100-7			Wire, Buss Bar, Tinned #22		A-1527, A-1790, A-1791, A-1789 A-1577
P	X		WL-100-8			Wire, Buss Bar, Tinned #24		A-1527, A-1790, A-1791, A-1789 A-1577

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MODE SELECTOR RECEIVER

PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.												LIST NO.
	QUANTITY REQ.	REV	PART NO.	DWG SIZE	DESCRIPTION	REF	SYMBOLS										
					MSR-3A												ML-MSR-3A
					E F G H J K L M N												SHEET 21 OF 24 SHEETS
					<u>SUPPORTING DRAWINGS</u>												
	1		A-1370	4	Cover Assembly, Relay	MS-999											
	1		A-1527	2	Terminal Board # 3, All Stages		TB-3 c/o C7,11,36,37, 57, R12,15,39,40.										
	1		A-1790	4	Terminal Board #2, Final Ass'y & Stamp		TB-2 c/o C1,2,3,4,5,6, 8,9,10,12,13,14,34,35, 56, R1,2,3,4,5,6,7,8, 9,10,11,13,14,16,17, 18,37,38,62										
P	1		A-1571	2	Terminal Board #1 Sub Assembly	u/o A-1791											
P	1		A-1572	2	Terminal Board #2 Sub Assembly	u/o A-1790											
P	1		A-1573	1	Terminal Board #4 Sub Assembly	u/o A-1789											
P	1		A-1574	1	Terminal Board #5 Sub Assembly	u/o A-1577											
	1		A-1791	4	Terminal Board #1, Final Ass'y & Stamp		TB-1 c/o C16,17,18,19, 20,24,26, R19,20,21,22, 23,24,25,26,31,32,33, 34,35,36,42,56,63,64, 65,66										
	1		A-1789	2	Terminal Board #4, Final Ass'y & Stamp		TB-4 c/o C30,42,43,44, 45,46, R43,44,45,46, 47,49,50,51,52										
	1		A-1577	2	Terminal Board #5, Final Ass'y & Stamp		TB-5 c/o C15,51,52,54 R53,58,59,61										
	1		A-1581	1	Capacitor Cover & Cushion Assembly												
	1		A-1582	1	E1 Jumper Connector Assembly												

MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL MSR-3A  
 ISSUE E F G H J K L M N

PROJ. NO.

LIST NO. ML-MSR-3A  
 SHEET 22 OF 24 SHEETS

PURCHASED ITEMS	QUANTITY REQ.	L P Z	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
						<u>SUPPORTING DRAWINGS</u>		
	1		CA-324		4	Cable, Power Supply		
	1		CA-388		8	Cable, Main Chassis		
	1		CA-390-4-3.0		1	Cable, Assembly, Jumper	u/o A-1582	
	1		CH-179		2	Chart, Resistance		
	1		CH-180		2	Chart, Voltage		
	1		CK-602		4	Block Diagram		
	1		CK-416		8	Schematic Diagram		
	1		CL-130		1	Coil, RF, 6.4 mh		L3
	1		ID-191		1	Dimensional Outline Drawing		
	1		LD-636			Lettering, Main Chassis	MS-1322	
	1		LD-446			Lettering, Right Side Plate	MS-1328	
	1		LD-448			Engraving, Front Panel	MS-1334	
	1		LD-449			Lettering, Power Supply Chassis	MS-1346	

MODE SELECTOR RECEIVER

MATERIAL LIST

MODEL MSR-3A

PROJ. NO.

LIST NO. ML-MSR-3A

ISSUE E F G H J K L M N

SHEET 23 OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	P L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
			S-463			<p><u>SPECIFICATIONS</u></p> <p>Modification Of MSR-4 To Become MSR-3A For Internal Use Only</p> <p>Test Procedure, Model MSR-3A</p>		
			S-462					

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## MATERIAL LIST

MODEL

MSR-3A

PROJ. NO.

LIST NO.

ML-MSR-3A

ISSUE

E F G H J K L M N

SHEET

24 OF 24 SHEETS

PURCHASED ITEM	QUANTITY REQ.	REV	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
						<u>LOOSE ITEMS</u>		
	1		CA-1079		1	Cable, AC Power	J2 Mate	W1, P2
	2		IN-			Instruction Book		
P	1		MS3057-6		1	Clamp, Cable	For P4	
P	1		MS3106A14S-2S		1	Connector, Plug, Female	J4 Mate	P4
P	1		TM-105-12AL		2	Terminal Strip, Fanning	For E1	E4
P	1		UG-260/U		1	Connector, Plug, Coax.	J1 Mate	P1

