

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

SHEET 1 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	A4229-1			TERM. BD, MACH	A4229-2	A4229-2	1	I101, 102 I103.
1	A4229-2			TERM. BD, MARKINGG	A4229-3	A4229-3	1	
1	A4229-3			TERM. BD, SUBASSY	A4229-4	A4229-4	1	
2	BI-100-51		1	Lamp, Neon		A-1517	1	
1	BI-101-44(AF)		1	Lamp, Incandescent		A-4230	1	C263 C167A, 167B C181A C181B C181C C131, C175 C137, 138, 219 C123 C214 C139, 163, 164 C217, 220 C101, 102, 103, C112, 113, 114, 115, C116, 117, C121, 124 C125, C127, C135, C150, C151, 152, 153, 156, C157, 158, C161, 162, 165, C166 C168, 169, C170, C171, C173, 176, 197, 250, C251, C252, C254, C257, C262
1	BX-217		2	Case and Covers		A-1591	1	
1	BX-170		2	Case and Covers		A-1517	1	
1	CB21PB152K		2	Capacitor, Fixed, Mica, Button, 1500 uuf.	ALDC		1	
1	CB-127-1		4	Capacitor, Variable, Air, 12.5 to 282.5			1	
1	CB-137-1		4	Capacitor, Variable, Air, 12.5 to 282.5			1	
1	CB-137-2		4	Capacitor, Variable, Air, 12.5 to 282.5		A-1488	1	
1	CB-137-3		4	Capacitor, Variable, Air, 12.5 to 282.5		A4238	2	
1	CC21SL1R5C			Capacitor, fixed, Ceramic				
3	CC21SL080K		2	Capacitor, Fixed, Ceramic		A-1458	1	
1	CC21SL100D		2	Capacitor, Fixed, Ceramic				
1	CC21SL150J		2	Capacitor, Fixed, Ceramic				
5	CC21SL470G		2	Capacitor, Fixed, Ceramic				
38	CC-100-16		2	Capacitor, Fixed, Ceramic, Disc, .01 uf		A-1459	4	
						A-1458	2	
						A-4239	1	
						A-4238	1	
						A-4239	6	
						A-1512	1	
						A-4238	2	
						A-1511	1	
						A-4238	1	
						A-4238	1	

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	I	J	K	L	MODEL	A-1516-A
																	SHEET	2 OF 13
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS										
						USED ON	QUAN.											
1	CC100-28		2	Capacitor, Fixed, Ceramic, Disc, .1				C277										
31	CC-100-29		2	Capacitor, Fixed, Ceramic, Disc, .001				C104, 105, 106, 107, C108, 109, 110, 126, C128, 132, 133, 134, C136, 148, 174, 175, C183, 185, 186, 187, C194, 196, 206, 207, C209, 210, 211, 212, C215, 216, 218,										
1	CC100-33			Capacitor, Fixed, Ceramic				C265										
1	CE63C500G		2	Capacitor, Fixed, Electrolytic				C188										
1	CF-110-15			Cap. Fixed, Electrolytic														
14	CF-110-N-1		1	Coil Form		CL-204	1											
						CL-205	1											
						CL-206	1											
						CL-207	1											
						CL-208	1											
						CL-209	1											
						CL-210	1											
						CL-211	1											
						CL-212	1											
						CL-213	1											
						CL-214	1											
						CL-215	1											
						CL-216	1											
						A-1444												
1	CF-117-2.00		1	Coil Form		A-1512	1											
3	CF-122-2.062		1	Coil Form		A-1511	1											
						A-1444	2											
8	CF-123		1	Coil Form		CL-161	1											
						CL-162	1											
						CL-163	1											
						CL-164	1											
						CL-165	1											
3	CF-124-1.125		1	Coil Form, Threaded		CL-188-2	1x2											
						CL-189-2	1											

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MODEL A-1516-A

SHEET 3 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	CI-103-34		1	Core, Toroid	Red	CL-141	1	U/O A1972 (1)
12	CI-109-7		2	Core, Tuning		A-1512	1	
						CL-161	1	
						CL-162	1	
						CL-163	1	
						CL-164	1	
						CL-165	1	
						CL-188-2	1x2	
						CL-189-2	1	
2	CI-114		1	Core, Fixed		CL-177	1	
3	CI-115		1	Core, Toroid	TF-172	1		
					TF-173	1		
					TR-166	1		
15	CI-116-5		2	Core, Tuning	Red	A-1511	1	
						CL-204	1	
						CL-205	1	
						CL-206	1	
						CL-207	1	
						CL-208	1	
						CL-209	1	
						CL-210	1	
						CL-211	1	
						CL-212	1	
					CL-213	1		
					CL-214	1		
					CL-215	1		
					CL-216	1		
4	CI-116-6		2	Core, Tuning	Yellow	A1444	4	
13	CK70A102M		2	Capacitor, Fixed, Ceramic, Feedthru				C184, 198, 199, 200, C204, 208, 213, 221, C246, 247, 248, 249, C253

MATERIAL LIST/
NUMERICAL PARTS LIST

REV.

A B C D E F G H J K L

MODEL: A-1516-A

SHEET 4 OF 43

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
CL-100-5	Coil, RF, Fixed, 750 uh				2	L127, 133	ALDC
CL-101-4	Coil, RF, Fixed, 10 mh				1	L115	
CL-105-2	Coil, RF, Fixed, 4 uh				3	L129, 130, 131	
CL-105-3	Coil, RF, Fixed, 2.8 uh				1	L116	
CL-140-1	Coil, RF, Fixed, Molded, 2.5 uh				4	L118, 121, 123, 124	
CL-140-2	Coil, RF, Fixed, Molded, 150 uh				5	L117, 119, 120, 122, 132	
CL-240-120	Coil, RF, Fixed, 120 uh				1	L134	
CL-275-823	Coil, Fixed, 82 mh				1	L135	
CM15C100J	Capacitor, Fixed, Mica	A4230			1	C1	
CM15E131J	Capacitor, Fixed, Mica	CL-208			1	C242	
CM15C240J	Capacitor, Fixed, Mica	CL-212			1	C245	
CM15C470J	Capacitor, Fixed, Mica	CL-211			1	C244	
CM15C510J	Capacitor, Fixed, Mica	CL-210			1	C256	
CM15C115	Capacitor, Fixed, Mica	A-2030			1	C131	
CM15C820J	Capacitor, Fixed, Mica	CL-209			1	C243	
CM15F221J	Capacitor, Fixed, Mica	CL-207			1	C241	
CM15F511G	Capacitor, Fixed, Mica	A4253 WRG			2	C268, 269	
CM15C270J	Capacitor, Fixed, Mica				1	C255	
CM20F102G	Capacitor, Fixed, Mica	A-1458			4	C118, 182, 193, 205	
CM20D162G	Capacitor, Fixed, Mica	T108		2	5	C154, 155	
		T107		2		C159, 160	
		A1516		1		C264	
CM15F221G	Capacitor, Fixed, Mica	A1458			1	C122	
CM15F331G	Capacitor, Fixed, Mica				1	C149	
CM15F271J	Capacitor, Fixed, Mica	A4253 WRG			2	C270, 271	
CM350F5100F	Capacitor, Fixed, Mica	A1591			2	C146, 147	
CM15F131J	Capacitor, Fixed, Mica	A4253 WRG			2	C272, 273	
CM15C620J	Capacitor, Fixed, Mica	A4253 WRG			2	C274, 275	
CL270-0.68	Coil, RF, Fixed	A4253 WRG			1	L139	
CL270-1.5	Coil, RF, Fixed	A4253 WRG			1	L138	
CL270-3.3	Coil, RF, Fixed	A4253 WRG			1	L137	
CL270-5.6	Coil, RF, Fixed	A4253 WRG			1	L136	

MATERIAL LIST

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A B C D E F G H I J K L

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
ELECTRICAL COMPONENTS & MECHANICAL PARTS								
2	CN-106C104K		2	Capacitor, Fixed, Mylar		A-4239	2	C129, 130 C261
1	CN-108-B-1003-K		2	Capacitor, Fixed, Mylar				C142, 143, 144, 145
4	CN-111-3		1	Capacitor, Fixed, Paper		A-1520	1	C222
1	CN-113-1		1	Capacitor, Fixed, Paper				
1	CP53B1EF504K		2	Capacitor, Fixed, Paper				C111
2	CS-121		2	Casting, Inertia Wheel		PM-416 PM-453	1 1	
2	CV11A070		1	Capacitor, Variable, Ceramic				C120, 189
1	CV11A120		1	Capacitor, Variable, Ceramic				C140, 141
11	CV11C300		1	Capacitor, Variable, Ceramic				C177, 178, 179, 180, C190, 191, 192, 201, C202, 203, 141
2	CV11C450		1	Capacitor, Variable, Ceramic		A-1591	1	C119, 259, 259
18	CV-101-1		1	Capacitor, Variable, Glass				C223, 224, 225, 226, C227, 228, 229, 230, C231, 232, 233, 234, C235, 236, 237, 238, C239, 240
1	CR27/U-8.000P		2	Crystal, 8 Mc.				Y101
1	CR27/U-10.000P		2	Crystal, 10 Mc.				Y102
1	CR27/U-11.000P		2	Crystal, 11 Mc.				Y106
1	CR27/U-12.000P		2	Crystal, 12 Mc.				Y103
1	CR27/U-13.000P		2	Crystal, 13 Mc.				Y107
1	CR27/U-14.000P		2	Crystal, 14 Mc.				Y104
1	CR27/U-17.000P		2	Crystal, 17 Mc.				Y108
1	CR27/U-18.000P		2	Crystal, 18 Mc.				Y105
1	CR47/U-287P		2	Crystal, 287 Kc.		A-1568	1	Y110
1	CR112		2	Crystal, 17 Kc.		A-1568	1	Y109
1	CV112-1		1	Capacitor, Variable, Ceramic		A4230	1	C2
3	FP-159		1	Can, Machining		A-1440	1	
1	FP-161		1	Can, Machining		A-1513	1	

MATERIAL LIST			REV	MODEL	SHEET			
			A B C D E F G H J K L	A-1516-A	6	OF 43		
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
ELECTRICAL COMPONENTS & MECHANICAL PARTS								
1	FX-154 (ML-FX-154)		2	Bandpass Filter Assembly, LSB				Z101
1	FX-155 (ML-FX-155)		2	Bandpass Filter Assembly, USB				Z102
1	GA-142		1	Gasket, Retaining Plate		A-1514	1	
1	GR-127		2	Gear, Split, 1.1458 P.D.		A-1488	1	
1	GR-128		1	Gear, Spur, .750 P.D.		A-1517	1	
1	GR-131		1	Gear, Spur, 2.000 P.D.		A-1517	1	
1	GR-132		1	Gear, Spur, 2.000 P.D.		A-1517	1	
1	GR-133		1	Gear, Split, 2.000 P.D.		A-1517	1	
1	GR-134		1	Gear, Spur, 11/24 P.D.		A-1515	1	
1	GR-135		2	Gear, Split, 3.000 P.D.		A-1517	1	
1	GR-163		1	Gear, Spur, .750 P.D.		A-1517	1	
2	HA-102-9-BN		2	Handle				
1	HB-102-2		1	Cap. Plate		V120 Cap	1	E102
1	IM-173		2	Insulation, Rear, Xtal Oven				
1	IM-174		2	Insulation, Front, Xtal Oven				
1	IM-175		2	Insulation, Left Side, Xtal Oven				
1	IM-176		1	Insulation, Right Side, Xtal Oven				
2	IM-177		1	Insulation, Top and Bottom Xtal Oven				
1	IM-179-10		1	Insulation, Heater Term. BD.				
1	JJ-133-3		1	Jack, Microphone				J101
5	JJ-154		1	Connector, Receptacle, Male		A-4230	1	J105, 106, 107, 108, J110
1	LD-350		4	Lettering, HF Xtal Dial		A-1441	1	
1	LD-351		4	Lettering, MF Dial		A-1442	1	
1	LD-352		8	Lettering, RF Dial		A-1439	1	
1	LA107-8-J105		1	Band, Mkr, Cbl		CA348	1	
1	LA107-8-J106		1	Band, Mkr, Cbl		CA348	1	
3	MC-111		1	Coupling, Flexible				
2	MC-124		1	Coupling, Flexible				
4	MP-102-2		1	Knob, Instrument, Round Type				
2	MP-102-3		1	Knob, Instrument, Round Type				
1	MP-106-2		1	Knob, Instrument, Skirt Type				

MATERIAL LIST		REV.	ABCDEFGHIJKLM	MODEL A-1516-A			
				SHEET 7 OF 43			
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
		ELECTRICAL COMPONENTS & MECHANICAL PARTS					
1	MP-108-1	Knob, Instrument, Skirt Type					
2	MP-108-2	Knob, Instrument, Skirt Type					
3	MP-111-3	Knob, Lock					
2	MP-112-D	Knob, Instrument, Round Type					
1	MP-112-N	Knob, Instrument, Round Type					
1	MR-100-8	Meter, DC Micro Amp.	LD-364				M101
2	MS-154-1	Plate, Straddle					
2	MS-586	Support Plate, Frequency Dial		A-1023		2	
1	MS-941	Escutchion					
1	MS-1037-1	Panel Front	LD-318				
1	MS-1083	Chassis, Audio	LD-358				
1	MS-1086	Chassis, RF	LD-359				
1	MS-1087	Chassis, 1st R.F.	LD-360				
1	MS-1088	Chassis, 2nd R.F.	LD-361				
1	MS-1089	Chassis, R.F. Output	LD-362				
1	MS-1090	Wrap Around, R.F. Section					
1	MS-1091	Support, Oven					
1	MS-1092	Side Plate, Left					
1	MS-1093	Side Plate, Right					
1	MS-1094	Bracket, RF Cover					
1	MS-1096	Cover, RF Section, Top					
1	MS-1097	Shield, Trimmer					
1	MS-1098	Shield, Capacitor					
1	MS-1099	Shield, RF Section					
1	MS-1102	Shield, 2-4 Mc. Osc.					
1	MS-1105	Chassis, Xtal, Top					
1	MS-1106	Cover, Top, Xtal Oven	LD-371				
1	MS-1107	Cover, Bottom, Xtal Oven	LD-370				
1	MS-1108	Cover, Xtal Oven, Outer Shell					
1	MS-1109	Cover, Xtal Oven, Inner Shell					
1	MS-1110	Inner Shell, Top, Xtal Oven	LD-365-1				
1	MS-1111	Outer Shell, Xtal Oven					
1	MS-1112	Chassis, Xtal Osc.	LD-366				
1	MS-1113	Chassis, Xtal, Bottom					
1	MS-1115	Cover, Bottom	MS-1330				

MATERIAL LIST

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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
ELECTRICAL COMPONENTS AND MECHANICAL PARTS								
1	MS-1116		8	Cover, Top				
1	MS-1117		1	Bracket, Relay		A-1460	1	
1	MS-1122		1	Shield, Oven Heater				
2	MS-1129		1	Shield, Tube Socket				
1	MS-1139		4	Inner Shell, Bottom, Xtal Oven	LD-365-2			
1	MS-1155		1	Bracket, Potentiometer				
1	MS-1158		1	Bracket, Support, Audio Chassis				
1	MS-1206		1	Plate, Retaining		A-1514	1	
1	MS-1207		1	Bracket, Relay Retaining				
1	MS-1208		4	Panel, Gear		A-1517	1	
1	MS-1209		1	Bracket, Inertia Wheel		A-1517	1	
1	MS-1210		1	Bracket, Gear Mounting		A-1517	1	
1	MS-1211		1	Bracket, Gear Mounting		A-1517	1	
1	MS-1212		4	Cover, RF Section, Bottom	LD-388			
1	MS-1330			Blank Size, Bottom Cover	MS-1115			
1	MS-1834		1	Shield, RF Output				
1	MS-1929		1	Plate, Panel Support				
2	MS3057-12		1	Clamp, Cable		CA-346	2	
1	MS3102A20-27P		1	Connector, Receptacle, Male		CA-347	1	J109
1	MS3106B20-27P		1	Connector, Plug, Male		CA-346	1	P101
1	MS3106B20-27S		1	Connector, Plug, Female		CA-346	1	P102
2	MS3420-10A		1	Bushing, Cable		CA-346	2	
1	NP-196-2		1	Name Plate, Comm.	When Req.			
1	NP-196-4		1	Name Plate, Comm.	When Req.			
1	NP-217		1	Name Plate, Navy	When Req.			
1	NP-218		1	Name Plate, Navy	When Req.			
1	NP-236		1	Name Plate, Identification for Xtal Assembly		A-1568	1	
1	NP-237		1	Schematic Diagram		A-1568	1	

MATERIAL LIST

REV A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
ELECTRICAL COMPONENTS & MECHANICAL PARTS								
4	PL-154		1	Connector, Plug, Female		CA-350-27.00 CA-350-5.50 CA-349-19.00 CA-348 CA-349	1 1 1 1 1	P103, P104, P105, P106 P107
1	PL-155		1	Connector, Plug, Female				
1	PM316			Collar		A-1023	2	
2	PM-327		1	Hub, Frequency Dial	CS-121	A-1517	1	
1	PM-416		2	Machining, Inertia Wheel				
1	PM-451		1	Hub, RF Tuning Knob		A-1517	1	
1	PM-452-1		1	Shaft, Gear	CS-121	A-1517	1	
1	PM-453		2	Machining, Inertia Wheel		A-1517	1	
1	PM-454-2.18		1	Shaft, Hollow		A-1517	1	
1	PM-455		1	Hub, MF Dial		A-1442	1	
1	PM-456		2	Block, Oven Heater		A-1517	2	
2	PM-457-1		1	Collar, Friction Drive		A-1517	1	
1	PM-470		1	Shaft, Gear				
1	PM-482		1	Bracket, Retaining Plate		A-1517	1	
1	PM-498		1	Stop Screw, Gear		A-1517	1	
1	PM-585		1	Stop, Spacer, Gear		S106E MTG		
1	PM-691FF7.75P		1	Shaft, Flatted, Phenolic		A-1517	1	
1	PM-691RF1.81B		1	Shaft, .250 D				
1	PM-691RF2.00P		1	Shaft, .250 D, Phenolic		A-1515	1	
1	PM-691RF3.06B		1	Shaft, .250 D				
1	PO-104		1	Lock, Shaft		A-4230	1	
1	PO-106-2-NT		1	Plug-in-Socket		A-1460	1	Z104, XY109, 110
1	PO-147		1	Oven, Crystal		A-1568	1	
2	PO-148-9-2		2	Plug-in-Socket		A-1459 A-1458	1 1	XV104, XV105

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	J	K	L	M	N	MODEL	A-1516-A
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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS											
						USED ON	QUAN.												
				ELECTRICAL COMPONENTS & MECHANICAL PARTS															
1	PX-264		1	Fiduciary, Dial															
1	PX-376		1	Knob, RF Tuning															
1	PX-377		1	Lens, Dial, Plain															
1	PX-378		1	Terminal Board		A-1511	1												
1	PX-379		1	Terminal Board, 4 Lug		A1444	2												
2	PX-380		1	Terminal Board, 5 Lug		A-4239	1												
1	PX-381		1	Terminal Board, Souelch & VOX		A-1520	1												
1	PX-382-		1	Terminal Board, Heater															
1	PX-383		2	Support, Capacitor															
1	PX-385		2	Terminal Board, RF Chassis		A-4238	1												
1	PX-403		1	Terminal Board, 5 Lug		A-1512	1												
1	PX-422		2	Board, Mounting, Top		A-1591	1												
1	PX-423		2	Board, Mtg., Bottom		A-1591	1												
1	PX930			Board, Ins.		A4230	1												
1	RC20GF151K		2	Resistor, Fixed, Composition				R200											
7	RC20GF100K		2	Resistor, Fixed, Composition		A4238	2	R157, 158											
3	RC20GF101K		2	Resistor, Fixed, Composition		AX-160	1	R214, 220, 224, 226,											
11	RC20GF102K		2	Resistor, Fixed, Composition		A-1520	1	R206,											
11	RC20GF104K		2	Resistor, Fixed, Composition		A-4238	1	R225, 236											
11	RC20GF106K		2	Resistor, Fixed, Composition		A4438	1	R210, 244, 189											
8	RC20GF106K		2	Resistor, Fixed, Composition		A-1459	1	R114,											
						A-1458	1	R123,											
								R128,											
								R142, 166, 167,											
								212, 222											
						A-1458	1	R104,											
						A-1458	1	R125,											
						A-4239	3	R132, 136, 137,											
						A-4239	1	R147, 176											
								R182											
								R229, 233, 235											
						A-1459	1	R121,											
						A-4239	7	R133, 145, 148, 149, 183											
								R134, 184											

MATERIAL LIST

REV

ABCDEFGHIJKLMN

MODEL A-1516 - A

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
ELECTRICAL COMPONENTS & MECHANICAL PARTS								
6	RC20GF152K		2	Resistor, Fixed, Composition		A-1459	1	R105, 161, 170, 175, R178, 239
1	RC20GF153K		2	Resistor, Fixed, Composition		A-1459	1	R122
1	RC20GF155J		2	Resistor, Fixed, Composition		A-1459	1	R154
1	RC20GF182K		2	Resistor, Fixed, Composition		A-1459	1	R108
1	RC20GF184K		2	Resistor, Fixed, Composition		A-1459	1	R119
2	RC20GF221K		2	Resistor, Fixed, Composition		A-1459	1	R185, 186
3	RC20GF223K		2	Resistor, Fixed, Composition		T107	1	R232
5	RC20GF224K		2	Resistor, Fixed, Composition		A-4239	1	R153, 163,
2	RC20GF225K		2	Resistor, Fixed, Composition		A-4238	1	R204,
3	RC20GF244K		2	Resistor, Fixed, Composition		A-1459	1	R241, 242
1	RC20GF271K		2	Resistor, Fixed, Composition		A-4239	1	R116,
1	RC20GF272K		2	Resistor, Fixed, Composition		A-4239	1	R146
1	RC20GF331K		2	Resistor, Fixed, Composition				R171, 172, 174
1	RC20GF333K		2	Resistor, Fixed, Composition				R237
1	RC20GF335J		2	Resistor, Fixed, Composition				R227
3	RC20GF390K		2	Resistor, Fixed, Composition				R228
1	RC20GF394K		2	Resistor, Fixed, Composition		AX-161	1	R223
5	RC20GF471K		2	Resistor, Fixed, Composition				R209
1	RC20GF472K		2	Resistor, Fixed, Composition				R199, 218
3	RC20GF473K		2	Resistor, Fixed, Composition				R221
6	RC20GF474K		2	Resistor, Fixed, Composition		A-1458	2	R141, 246, 247, 248, 249

ALDC

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

SHEET 12 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	RC20GF515J		2	Resistor, Fixed, Composition				R238
1	RC20GF561J		2	Resistor, Fixed, Composition				R211
4	RC20GF561K		2	Resistor, Fixed, Composition				R101, 102, 194, R195
5	RC20GF680K		2	Resistor, Fixed, Composition		A-1459	1	R118, R197, 198, 201, R219, R107
1	RC20GF682K		2	Resistor, Fixed, Composition		A-1591	1	R173
1	RC20GF683J		2	Resistor, Fixed, Composition		A-1459	1	R115, R215
2	RC20GF683K		2	Resistor, Fixed, Composition				R131, 151, 181 R202
3	RC20GF821K		2	Resistor, Fixed, Composition		A4238	1	
1	RC20GF823K		2	Resistor, Fixed, Composition				
2	RC32GF104J			Resistor, Fixed, Composition		A4238	2	R155, 156
1	RC32GF102K		2	Resistor, Fixed, Composition		A4239	1	R191
1	RC32GF122K		2	Resistor, Fixed, Composition		A4238	1	R203
2	RC32GF223K		2	Resistor, Fixed, Composition		A-4238	2	R155, 156
2	RC32GF272K		2	Resistor, Fixed, Composition		CL-187	1	R159, 160 R230
1	RC32GF472K		2	Resistor, Fixed, Composition		A-1512	1	R240 R124 R217 R231
1	RC32GF562K		2	Resistor, Fixed, Composition				
1	RC32GF682K		2	Resistor, Fixed, Composition				
1	RC42GF103K		2	Resistor, Fixed, Composition		A-4238	1	R196
1	RC42GF104K		2	Resistor, Fixed, Composition		A-4239	1	R139
1	RC42GF120K		2	Resistor, Fixed, Composition		AX-164	1	
2	RC42GF823K		2	Resistor, Fixed, Composition		A-4239	2	R138, 152
1	RC42GF221K		2	Resistor, Fixed, Composition		A4253	1	R245
1	RL-116DC2C120		2	Relay, Solenoid		A-1460	1	

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A
SHEET 13 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
ELECTRICAL COMPONENTS & MECHANICAL PARTS								
2	RR-102-1		2	Resistor, Heater Element		A-1520	2	R207, 208
1	RV4ATRD502C		2	Resistor, Variable, Composition		A-1517	1	R205
1	RV4ATRD503B		2	Resistor, Variable, Composition				R106
1	RV4ATSA102A		2	Resistor, Variable, Composition				R135
3	RV4ATSA104B		2	Resistor, Variable, Composition				R140, 168, 169
1	RV4ATSA502B		2	Resistor, Variable, Composition				R129
1	RV4NAYSD500A		2	Resistor, Variable, Composition		A4230	1	R1
3	RV4ATXA101A		2	Resistor, Variable, Composition				R110, 112, 113
1	RV4ATXA102A		2	Resistor, Variable, Composition				R130
1	RV106UX10C104A			Resistor, Variable, Composition		A-1591	1	R109
1	RW-109-19		1	Resistor, Fixed, Wire Wound 500 ohms 10 Watts				R216
1	RW-109-32		1	Resistor, Fixed, Wire Wound 5 K 10 Watts				R120
1	RY-124-1		1	Sheet Rubber, 1/8 Thick		A-1514	1	
1	RY-124-2		1	Sheet Rubber, 1/8 Thick		A-1514	1	
1	SS-100-3		1	Switch, Thermostat, 80 Deg. C.		A-1520	1	S110
3	ST-103-1-62		1	Switch, Toggle				S103, 104, 105
2	SW-181		1	Switch, Rotary, Miniature				S101, 102
1	SW-191		1	Switch, Rotary, Miniature				S108 B
1	SW-199		1	Switch, Rotary, Miniature				S109
1	SW-200		1	Switch, Rotary, Miniature				S107
1	SW-201		1	Detent, Switch		A-1517	1	

MATERIAL LIST				REV	ABCDEFGHIJKLMN	MODEL	A-1516-A	
						SHEET	14 OF 43	
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
				ELECTRICAL COMPONENTS & MECHANICAL PARTS				
4	TF-138		1	Transformer, Audio Frequency				TI03,104,105,106
2	TF-170		1	Transformer, Audio Frequency				TI01,102
1	TM-100-14		1	Terminal Strip				E101
1	TP-107		1	Tool, Alignment				
8	TS-101-P01		2	Socket, Tube, Octal				XCR101,102,103, XK101,XV120,XZ103, XZ104,105
7	TS-102-P01		1	Socket, Tube, Minature, 7 Pin				XV101,102,103,106, XV111,114,118
1	TS-102-U01		1	Shield, Tube				
5	TS-102-U02		1	Shield, Tube				
1	TS-102-U03		1	Shield, Tube				
10	TS-103-P01		2	Socket, Tube, Miniature, 9 Pin				XV107,108,109,110, XV112,113,115,116, XV117,119 For V104
10	TS-103-U02		2	Shield, Tube		A-1459 A-1458	1 1	For V105
1	TS-103-U03		2	Shield, Tube				
18	TS-104-1		1	Socket, Crystal				XY101,102,103,104, XY105,106,107,108, XY111,112,113,114, XY115,116,117,118, XY119,120 XI101 XI102 XI103
1	TS-106-1		1	Socket, Lamp, Red Frosted				
1	TS-106-2		1	Socket, Lamp, White Clear				
1	TS-107-2		1	Socket, Lamp		A-1517	1	
1	TS-128-6		1	Shield, Tube (6CL6)				
6	UG-625/U		1	Connector, Coaxial (BNC)	ALDC			J102,103,104,111, J112, J113

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516 -A

SHEET 15 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
ELECTRICAL COMPONENTS & MECHANICAL PARTS								
1	WR-100-5		1	Wrench, Hexagon				
1	WR-100-18		1	Wrench, Hexagon				
1	WR-100-19		1	Wrench, Hexagon				
3	WS-101		1	Wafer, RF Band Switch				S106 A,B,C
1	WS-102		1	Wafer, HF Xtal				S108 A
1	WS-103		1	Wafer, Rear, RF Band Switch				S106 D
1	WS-137		1	SW, Sect., Rot		A4253	1	S106 n E

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

SHEET 16 OF 45

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION TUBES	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	0A2	-	-	Tube, Electron				V106
1	6AB4	-	-	Tube, Electron				V101, 102, 103
1	6AL5	-	-	Tube, Electron				V111
2	6AH6	-	-	Tube, Electron				V114, 118
2	6C4	-	-	Tube, Electron				V102, 103
2	6CL6	-	-	Tube, Electron				V116, 119
3	6U8	-	-	Tube, Electron		A-1459	1	V104 V110, 117
1	6146	-	-	Tube, Electron				V120
4	12AT7	-	-	Tube, Electron				V107 A.B. V108 A.B. V109 A,B, V113 A,B
3	12AU7	-	-	Tube, Electron		A-1458	1	V105 V112, 115
3	DD-115 -	-	-	Rect, Scand Dev. (No Drawing) NOTE: CN-711- Superceded CN-711, which may be Used.				CR101, 102, 103
2	1N34A	-	-	Diode, XTAL (No Drawing)		A-4229-4	2	CR107, 108
1	1N3070	-	-	Diode, XTAL		A-1459	1	CR110
2	1N-100	-	-	Diode, Germanium (No Drawing)		A-4239	2	CR104, 105,
1	1N300	-	-	Scand, Dev, Dio		A-4238	1	CR106,
1	1N3033	-	-	Scand, Dev, Dio			1	CR109
1	1N463	-	-	Scand Dev, Dio		A4238	1	CR106

MATERIAL LIST				REV	MODEL	SHEET		
				A B C D E F G H J K L M N O P Q R S T U V W X Y Z	A-1516-A	17	OF 43	
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
16	AN565D6-H5		1	Screw, Headless Set		A-1441	2	} Quan.-to be determined upon Ass'y.
				Screw, Headless Set/		A-1439	2	
2	AN565D6-H6		1	Screw, Headless Set		A-1517	12	
						A-1442	2	
3	BB-101		1	Panel Bearing ()				
X	BB-106-1		1	Bearing, Thrust 1/16 Thick				
X	BB-106-3		1	Bearing, Thrust 1/32 Thick		A-1517	X	
1	BB-117-5		2	Panel Bearing, Nylon 1/4 I.D.		A-1517	X	
1	BB-117-6		2	Panel Bearing, Nylon 1/4 I.D.		A-1517	1	
3	BB-117-9		2	Panel Bearing, Nylon 3/8 I.D.		A-1517	1	
1	BB-117-10		2	Panel Bearing, Nylon 3/8 I.D.		A-1517	2	
						A-1517	1	
2	CU-102-3		1	Clamp, "G" Type				
2	CU-103-1		1	Clip, Spring				
2	CU-103-3		1	Clip, Spring				
2	CU-104-1		1	Clamp, Cable				
2	CU-104-4		1	Clamp, Cable				
1	CU-118-2-S		2	Clamp, Tube		A-1517	2	
4	CU-126-B		1	Ferrule, Handle				
14	EY-100-1		1	Eyelet		A-1439	3	
						A-1440	2	
						A-1441	3	
3	EY-100-2		1	Eyelet		A-1513	2	
2	EY-102-1		1	Grommet, Elastic		A-1442	3	
2	EY-102-2		1	Grommet, Elastic				
2	FC-102-1-XXC		2	Clip, Fuse				

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

SHEET 18 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
4	FS-102-1		1	Spring, Type "S"				
4	FS-109-3		1	Ring, Stud Retaining		MS-1106	4	
4	FS-110-1		1	Stud, Slotted Head		MS-1106	4	
2	FW04HBN			Clip, Fuse		A-1591	2	
1	FW06HBN		1	Washer, Flat		A-4230	1	
2	FW25HBN		1	Washer, Flat				
1	FW37HBN			Washer, Flat, Nylon		A4230	2	
2	FW101-2			Washer, Flat, Nylon		A4230	2	
1	HB-101-2			Plug, Button (Paint Head T.M.C. Gray)				
4	LWE02MRN			Lockwasher, External Tooth		TE-115-1 Mtg.	4	
1	LWE03MRN		1	Lockwasher, External Tooth		CB21 Mtg.	1	
2	LWE04MRN		1	Lockwasher, External Tooth		A-1460	2	
						A-1517	1	
						MS-1097 Mtg.	2	
						TE-102 Mtg.	1	
59	LWE06MRN		1	Lockwasher, External Tooth		A4230	4	
						A-1460	1	
						A-1517	14	
25	LWE08MRN		1	Lockwasher, External Tooth				
4	LWE25MRN		1	Lockwasher, External Tooth				
1	LWI02MRN			Lockwasher, Internal Tooth		A-1516	1	
15	LWI04MRN		1	Lockwasher, Internal Tooth		A4230	2	
12	LWI06MRN		1	Lockwasher, Internal Tooth				

MATERIAL LIST				REV	MODEL	SHEET		
				A	A-1516-A	19	OF 43	
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
23	LWI08MRN		1	Lockwasher, Internal Tooth		A-1511	3	
						CL-204	1	
						CL-205	2	
						CL-206	1	
						CL-207	1	
						CL-208	1	
						CL-209	1	
						CL-210	1	
						CL-211	1	
						CL-212	1	
						CL-213	1	
						CL-214	1	
						CL-215	1	
						CL-216	1	
						AI444	6	
4	LWI25MRN		1	Lockwasher, Internal Tooth		A-1512	3	
						A-1517	1	
						CL-188-2	1x2	
8	LWI37MRN		1	Lockwasher, Internal Tooth		CL-189-2	1	
						A-14230	1	
3	LWI50MRN		1	Lockwasher, Internal Tooth		A-1517	1	
4	LWS04MRN		1	Lockwasher, Split		A-1591	4	
2	NS3W0104		2	Insulator, Pillar, Round (1/2 Lg. x 3/8 D.)				
2	NT-101-4		1	Nut, Strap				
3	NT-101-5		1	Nut, Strap				
4	NT-117-0832A		1	Nut, Floating Anchor				
1	NT-129-440-4		2	Nut, Swage		MS-1086	1	
14	NT-129-632-4		2	Nut, Swage		MS-1086	4	
						MS-1090	2	
						MS-1094	6	
						MS-1112	2	

MATERIAL LIST

REV.

A B C D E F G H I J K L

MODEL A-1516-A

SHEET 20 OF 43

QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
12	NT129-832-4	Nut, Swage		MS1108		8	
4	NTH0256BN6	Nut, Hex		MS1111		4	
21	NTH0348BN6	Nut, Hex		TE115-1 MTG		5	
	NTH0348BN6	Nut, Hex		A1511		1	
	NTH0348BN6	Nut, Hex		A4230		2	
				CL-204		1	
				CL-205		2	
				CL-206		1	
				CL-207		1	
				CL-208		1	
				CL-209		1	
				CL-210		1	
				CL-211		1	
				CL-212		1	
				CL-213		1	
				CL-214		1	
				CL-215		1	
				CL-216		1	
				A1444		4	
1	NTH0440BN6	Nut, Hex		A-1460		1	
3	NTH0440BN8	Nut, Hex		A-1591		1	
1	NTH0632BN8	Nut, Hex		A-1517		1	MS-1097 mtg (2)
				A-1512		1	
				A-1517		5	
				CL-161		1	
				CL-162		1	
				CL-163		1	
				CL-164		1	
				CL-165		1	
				CL-188-2		1x2	
				CL-189-2		1	
				A-1434		2	
1	NT137-0632	Nut, Plain, Hex, N		A4230		1	

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
14	NTH0832BN8		1	Nut, Hex.		A-1511 CL-204 CL-205 CL-206 CL-207 CL-208 CL-209 CL-210 CL-211 CL-212 CL-213 CL-214 CL-215 CL-216 A1444	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 4	
6	NTH2528BN14		1	Nut, Hex.		A-1512 A-1517 CL-188-2 CL-189-2	2 1 1x 2 1	
3	NTH3732BN16		1	Nut, Hex.		A-4230 A-1517	1 2	
1	PN99-062-7		1	Pin, Drive		A-1515	1	
1	PN-109-2		1	Pin, Roll		A-1488	1	
6	SC-107-1		1	Bolt, Spade		A-1488	1	
2	SC-123-0-2		1	Screw, Drive				
6	SC-128-0632-6		1	Screw, Knurled Head				
3	SCBP0348BN3		1	Screw, Machine		CB21 Mtg.	1	(2)A4230
12	SCBP0440BN3		1	Screw, Machine		TE-102 Mtg.	1	
4	SCBP0440BN4		1	Screw, Machine		MS-1097 mtg.	2	
20	SCBP0440BN6		1	Screw, Machine				
25	SCBP0440BN7		1	Screw, Machine		A-1591	2	
4	SCBP0440BN8		1	Screw, Machine		A-1517	1	
1	SC143-0632B12			Scr, Mach, Nylon		A4230	1	
				Screw, Machine, Nylon		CL-188		
						CL-189		

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516 -A

SHEET 22 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	SCBP0440BN10		1	Screw, Machine				
3	SCBP0440BN19		1	Screw, Machine		A-1460	1	
2	SCBP0440BN28		1	Screw, Machine		A-1591	2	
8	SCBP0632BN4		1	Screw, Machine		A-1591	1	
12	SCBP0632BN5		1	Screw, Machine		A-1460	1	
						A-1517	11	
17	SCBP0632BN6		1	Screw, Machine		A-4230	4	
	SCBP0632BN11		1	Screw, Machine		A-1517	2	
2	SCBP0632BN12		1	Screw, Machine				
2	SCBP0632BN14		1	Screw, Machine				
4	SCBP0632BN26		1	Screw, Machine				
5	SCBP0832BN5		1	Screw, Machine				
5	SCBP0832BN8		1	Screw, Machine				
2	SCFP0440BN6		1	Screw, Machine				
2	SCFP0440BN7		1	Screw, Machine				
21	SCFP0632BN4		1	Screw, Machine				
1	SCFP0632BN5		1	Screw, Machine		A-1517	1	
8	SCFP0632BN8		1	Screw, Machine				
5	SCFP0632BN12		1	Screw, Machine				
6	SCFP0832BN7		1	Screw, Machine				
10	SCFP0832BN8		1	Screw, Machine				
9	SCHH1032BN8		1	Screw, Hex. Head				

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516 - A

SHEET 24 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
26	TE-104-3		1	Lug, Solder		A-1511	1	
						CL-161	1	
						CL-162	1	
						CL-163	1	
						CL-164	1	
						CL-165	1	
						CL-204	1	
						CL-205	2	
						CL-206	1	
						CL-207	1	
						CL-208	1	
						CL-209	1	
						CL-210	1	
						CL-211	1	
						CL-212	1	
						CL-213	1	
						CL-214	1	
						CL-215	1	
						CL-216	1	
1	TE-104-5		1	Terminal, Lug		AI444	2	
17	TE-108-1		1	Standoff, Rivet Type		A-1512	1	
						MS-1086	12	
						PX-381	3	
						PX-385	2	
	TE-108-17		1	Standoff, Rivet Type				
2	TE-108-18		1	Standoff, Rivet Type				
2	TE-108-19		1	Standoff, Rivet Type		MS-1109	2	
7	TE-109-3		1	Terminal Lug				
3	TE-111-1		1	Lug, Solder		PX-382	7	
						CL-188-2	1x2	
6	TE-111-2		1	Lug, Solder		CL-189-2	1	
						A-4230	1	
3	TE-113-.149		1	Lug, Solder		A-1517	1	
1	TE-114-2		1	Terminal, Feed Thru				
5	TE-115-1		1	Terminal, Turret				
14	TE-116-3		1	Lug, Solder				
2	TE-117-2		1	Standoff, Spacer 3/8 Long				
1	TE-113-120			LUG,SOLDER		A-1517	2	
						A-1591	1	

MATERIAL LIST

REV

A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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MODEL A-1516-A

SHEET 25 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
HARDWARE								
2	TE-117-13		1	Standoff, Spacer				
10	TE-117-21		1	Standoff, Spacer				
1	TE-117-22		1	Standoff, Spacer 1/8 Long		A-1517	1	
1	TE-117-25		1	Standoff, Spacer 5/32 Long				
2	TE-117-32		1	Standoff, Spacer		A-1591	2	
2	TE-117-33		1	Standoff, Spacer		A-1591	2	
2	TE-135-5		2	Standoff, Spacer, Threaded		A-4230	2	
2	TE-135-24		2	Standoff, Spacer, Threaded				
1	TE-153-1		1	Terminal, Ring Type		CL-187	1	
8	TE-153-2		1	Terminal, Ring Type		CL-161	1	
						CL-162	1	
						CL-163	1	
						CL-164	1	
						CL-165	1	
3	TE-153-3		1	Terminal, Ring Type		CL-188-2	1x2	
						CL-189-2	1	
8	TE-167		1	Lug, Angle, Threaded		A-1440	2	
2	TE181-2		2	Terminal, Ring Type		A-1513	2	
99	TE168-4B		2	Terminal, Miniature		A1444-3	2	
						A4229-3	5	
						PX-379	4	
						PX-380	5	
						PX-381	48	
						PX-385	32	
						PX-403	5	
1	TE-169-1		1	Feed-Thru, Teflon				
1	TE-169-4		1	Feed-Thru, Teflon				
2	TE-170-2		1	Terminal, Collar		A-1512	2	
8	TE-170-3		1	Terminal, Collar		CL-161	1	
						CL-162	1	
						CL-163	1	
						CL-164	1	
						CL-165	1	
2	TE-183		1	Spacer, Countersunk 3/8 Long		MS-1122 Mtg.	2	
2	TE-0632BN8H		2	Spacer, Special, Threaded, 2-11/16 Long				
2	WA-104-2		1	Washer, Fiber				
2	WA-109-17			Washer, Fiber		A-1591	2	
1	WA-120		1	Washer, Fibre		A-4230	1	
1	WA109-36			Washer, NM		A-1591	1	

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A
SHEET 26 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	TE117-28			Standoff, Spacer				
1	WA-102-12			Washer, Fiber Shoulder		A4253	2	
1	WA-109-56			Washer, Fiber		A4230	1	
2	WA-112		1	Ring, Retaining		A-1591	1	
						A-1517	2	
X	WA-127		1	Washer, Shim		A-1517	X	
2	WA-129		1	Washer, Friction		A-1517	2	
1	WA-130		1	Washer, Friction		A-1517	1	
1	WA-141-2			Wash, Flat		A-1517	1	

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

SHEET 27 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
	BS-100		1	Solder, Soft				
	CD-101-1-MW		1	Cord, Lacing		CA-347 CA-348 CA-350		
	GL-101-1		1	Cement, Pliobond		A-1514		
	GL-102		1	Cement, Q-Max		CL-161 CL-162 CL-163 CL-164 CL-165 CL-177		
	GL-103		1	Cement		A-1511 A-1512 CL-177 CL-187		
	GL-104-2		1	Cement, Duco		A1444 Used on All Coils		

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	A-1516-A		
																			SHEET	28	OF	43
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS														
						USED ON	QUAN.															
X	GL-106		1	Compound, Plastic		TF-173 TR-166																
X	GL-110		1	Wax, Impregnating		CL-141																
	LWC22(7)B90		2	Cable, Insulated, Fiberglass	Wh/Blk.	A-1520	4															
	LWC28(7)U0		2	Cable, Insulated	Black	CL-141																
	MWC20(7)U1		2	Cable, Insulated	Brown	CA-347																
	MWC20(7)U90		2	Cable, Insulated	Wh/Blk.	CA-347																
	MWC20(7)U91		2	Cable, Insulated	Wh/Brn.	CA-347																
	MWC22(7)SJ2		2	Cable, Insulated, Shielded/Jacket	Red	CA-347 CA-348																
	MWC22(7)SJ5		2	Cable, Insulated, Shielded/Jacket	Green	CA-348																
	MWC22(7)SJ6		2	Cable, Insulated, Shielded/Jacket	Blue	CA-348																
	MWC22(7)SJ8		2	Cable, Insulated, Shielded/Jacket	Gray	CA-347																
	MWC22(7)SJ9		2	Cable, Insulated, Shielded/Jacket	White	CA-347 CA-348																

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	MODEL	A-1516-A
																					SHEET	29 OF 43
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS														
						USED ON	QUAN.															
	MWC22(7)S96			Cable, Insulated, Shielded	Wh/Blue	CA-347																
	MWC22(7)U0	2		Cable, Insulated	Black	CA-347,A1591		R205 WRG(2)														
	MWC22(7)U1	2		Cable, Insulated	Brown	CA-347,A1591																
	MWC22(7)U2	2		Cable, Insulated	Red-	CA-347																
	MWC22(7)U3	2		Cable, Insulated	Orange	CA-347																
	MWC22(7)U4	2		Cable, Insulated	Yellow	CA-347		Z106 WRG(20)														
	MWC22(7)U5	2		Cable, Insulated	Green	CA-347		XV109 WRG (6)														
	MWC22(7)U6	2		Cable, Insulated	Blue	CA-347																
	MWC22(7)U7	2		Cable, Insulated	Violet	CA-347																
	MWC22(7)U9	2		Cable, Insulated	White	A-1517 CA-348	2"															
	MWC22(7)U90	2		Cable, Insulated	Wh/Blk.	CA-347																
	MWC22(7)U91	2		Cable, Insulated	Wh/Brn.	CA-347																
	MWC22(7)U92	2		Cable, Insulated	Wh/Red	CA-347																
	MWC22(7)U93	2		Cable, Insulated	Wh/Orange	CA-347																
	MWC22(7)U94	2		Cable, Insulated	Wh/Yellow	CA-347																
	MWC22(7)U95	2		Cable, Insulated	Wh/Green	CA-347																
	MWC22(7)U96	2		Cable, Insulated	Wh/Blue	CA-347																
	MWC22(7)U97	2		Cable, Insulated	Wh/Violet	CA-347																
	MWC22(7)U92	2		Cable, Insulated	Wh/Red	CA-347																
	MWC24(7)SJ4	2		Cable, Insulated, Shielded/Jacket	Yellow	CA-347																
	MWC24(7)SJ5	2		Cable, Insulated, Shielded/Jacket	Green	CA-347																
	MWC24(7)SJ6	2		Cable, Insulated, Shielded	Blue	CA-347																
	MWC24(7)SJ9	2		Cable, Insulated, Shielded/Jacket	White	CA-347																

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516 -A

SHEET 30 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
4"	PX-100-1-.106		1	Sleeving, Size 10	Black	CA-347		
	PX-100-1-.133		1	Sleeving, Size 8	Black	CA-348	4"	
	PX-100-1-085			Sleeving,		A1591		
	PX-100-1-294		1	Sleeving, Size 1/8"	Black	CA-348		
	PX-100-1-375			Ins., Sleeving	Black	CA-348		
	PX-100-1-438			Ins., Sleeving	Black	CA-348		
39"	PX-104-1-.022		1	Sleeving, Size 24	Black	A-4238	10"	
						A-4239	17"	
						CL-141	10"	
						TR-166	2"	
						A4253	1	
30"	PX-104-2-.022		1	Sleeving, Size 24	Yellow	A-1460	18"	
						A-4239	10"	
						TF-173	2"	
19"	PX-104-3-.022		1	Sleeving, Size 24	Red	A-4238	6"	
						A-4239	9"	
						TF-173	2"	
						TR-166	2"	
13"	PX-104-4-.022		1	Sleeving, Size 24	Green	A-4238	1"	
						A-4239	8"	
						TF-173	2"	
						TR-166	2"	
20"	PX-104-5-.022		1	Sleeving, Size 24	Brown	A-1458	10"	
						A-1459	10"	
15"	PX-104-6-.022		1	Sleeving, Size 24	Blue	A-4238	3"	
						A-4239	12"	
8"	PX104-4-034			Sleeving Size 20,	Green	A4253	8"	
5"	PX-104-1-.034		1	Sleeving, Size 20	Black	A-1520	5"	
2"	PX-104-3-.034		1	Sleeving, Size 20	Red	A-1512	2"	
2"	PX-104-6-.034		1	Sleeving, Size 20	Blue	A-1512	2"	

MATERIAL LIST

REV

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516 -A

SHEET 31 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
5'	PX-104-7-.034		1	Sleeving, Size 20	Gray	A-1591	5"	
5"	PX-104-8-.034		1	Sleeving, Size 20	Orange	A-1512	2"	
5"	PX-104-1-.106		1	Sleeving, Size 10	Black	A-4230	5"	
3/8"	PX-104-1-.263		1	Sleeving, Size 2	Black	A-1591	3/8"	
3"	PX-104-5-.375		1	Sleeving, Size 3/8	Brown	A-1520	3"	
	RG-174/U		1	Cable, Coaxial		CA-347 CA-348 CA-349-19.00 CA-350-5.50 CA-350-27.00	20" 21" 6" 28"	
	WI-102-9-6		1	Wire, Magnet, Size 30	Blue	A-1512		
	WI-102-9-9		1	Wire, Magnet, Size 30	White	A-1512 TF-172		
	WI-104-541-DSQS		1	Wire, Litz, Size 541		A-1512 CL-161 CL-162		
	WI-104-541-SCQS		1	Wire, Litz, Size 541		A-1511 CL-177 A1972		
	WI-107-5		1	Wire, Magnet, Size 24, DSC		CL-164 CL-165 A1972		

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516 -A
SHEET 32 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
	WI-107-11		1	Wire, Magnet, Size 30, DSC		CL-204 CL-205 CL-206 CL-207 CL-208 CL-209 CL-210 CL-211 CL-212 CL-213 CL-214 CL-215 CL-216 TF-173 TR-166		
	WI-107-15		1	Wire, Magnet, Size 34, DSC		CL-163 CL-187		
	WI-107-17		1	Wire, Magnet, Size 36, DSC		A1444		
	WI-123-32		1	Wire, Magnet		CL-141		
36	WL-100-4		1	Wire, Buss, Size 16		CL-188 -2 CL-189 -2	12*2 12"	
2"	WL-100-5		1	Wire, Buss, Size 18		AX-164	2"	
6"	WL100-6			Wire, Buss, Size 20		A4253	6"	

MATERIAL LIST		REV		A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ												MODEL	A-1516-A
																SHEET	33 OF 43
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS									
						USED ON	QUAN.										
53"	WL-100-7		1	Wire, Buss, Size 22		A-4230	6"										
						A-1511	1"										
						A-1520	6"										
						A-1591	10"										
						AX-160	4"										
						AX-161	4"										
						CL-188 -2	6"x2"										
						CL-189 -2	6"										
						A1444	4"										
183"	WL-100-8		1	Wire, Buss Size 24		A-1458	20"										
						A-1459	20"										
						A-1460	18"										
						A-4238	30"										
						A-1512	2"										
						A-4239	75"										

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

SHEET 34 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SUPPORTING DRAWINGS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	A-1023		1	Support Plate Assembly		A-1439 A-1441	1 1	
1	A-1439		2	RF Dial Assembly		A-1517	1	
3	A-1440		1	Can Assembly		A-1511 A1444	1 2	
1	A-1441		1	HF Dial Assembly				
1	A-1442		1	MF Dial Assembly				
2	A-1444			Xfmr, RF, 270KC		A-1517	1	T107, 108
						A4230		
1	A-1458		4	287 KC Oscillator				Z103 c/o C118, 121, C122, 123, 124, R125, R126, 127, 128, V105, XV105
1	A-1459		4	17 KC Oscillator				Z105, c/o C112, 113, C114, 115, CR110, R111, R114, 115, 116, 117, 118, R119, 121, 122, V104, XV104 K101
1	A-1460		2	Vox Relay Assembly				
1	A-1488		1	Capacitor. & Gear Ass'y.				
1	A-1511		2	Transformer, 2-4 MC, MF Amp.				T110
1	A-1512		2	Transformer, 2-4 MC, MF Mod.				T109

MATERIAL LIST

REV

A B C D E F G H J K L S T U V W

MODEL A-1516-A

SHEET 35 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SUPPORTING DRAWINGS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	A-1513		1	Can Ass'y., 2-4 MC, MF Mod.		A-1512	1	
1	A-1514		1	Retaining Plate Ass'y.				
1	A-1515		1	MF Dial Shaft Ass'y.		A-1517	1	
1	A-1516		ND	Main Assembly				
1	A-1517		8	Main Gear Assembly				
1	A-1520		1	Heater, Term. Bd. Ass'y.				
1	A-4239		2	Vox-Squelch, Term. Bd. Ass'y.				
1	A-1568			Crystal Assembly				
0	A1972			CL241 ASSY		CL241	0	

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A

SHEET 36 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SUPPORTING DRAWINGS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	A-1591		4	17 KC Rejection Network				
1	A4229-4			Term. Bd, HF Mod		A4230	1	Z106, c/o C119, 146 C147, L128, R109, 173
1	A4253			SW SECTION ASSY.				
1	A4238			RF Chassis Term. Bd. Ass'y.				
1	AX-160(1A-1543-1)		2	Parasitic Suppressor				PS102
1	AX-161(1A-1543-2)		2	Parasitic Suppressor				PS103
1	AX-164(1A-1453)		2	Parasitic Suppressor				PS101
	A-1543			Crystal Assembly				
1	CA-347		8	Cable, Main				
1	CA-348		8	Cable, Audio				
1	CA-349-19.00		1	Cable Assembly, Min.				
1	CA-350-5.50		1	Cable Assembly, Min.				
1	CA-350-27.00		1	Cable Assembly, Min.				
1	CK-340		8	Block Diagram				
1	CK-965		R	Schematic Diagram				
1	CL-141		1	Reactor		A-1591	1	L128
1	CL-161(2A-1451-1)		1	Transformer, RF, Band 1 Output				T120
1	CL-162(2A-1451-2)		1	Transformer, RF, Band 1				T116
3	CL-163(2A-1451-3)		1	Transformer, RF, Band 2				T113, 117, 121
2	CL-164(2A-1451-4)		1	Transformer, RF, Band 3				T115, 119
1	CL-165(2A-1451-5)		1	Transformer, RF, Band 3 Output				T122

MATERIAL LIST

REV

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

MODEL A-1516 -A

SHEET 37 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SUPPORTING DRAWINGS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	CL-177(1A-1045)		1	Choke, RF, 128 uhy				L126
1	CL-187(1A-1466)		1	Plate Load & Peaking Coil Ass'y.				L125, R230
2	CL188-2 (2A-1519-4)		1	Transformer, RF, Band 4				T114, 118
1	CL189-2 (2A-1519-5)		1	Transformer, RF, Band 4 Output				T112
1	CL-204(2A-1445-1)		1	Coil, RF, 30 MC				L112
2	CL-205(2A-1445-2)		1	Coil, RF, 34 MC 32 MC				L113 L114
1	CL-206(2A-1445-3)		1	Coil, RF, 28 MC				L111
1	CL-207(2A-1445-4)		1	Coil, RF, 8 MC				L101
1	CL-208(2A-1445-5)		1	Coil, RF, 10 MC				L102
1	CL-209(2A-1445-6)		1	Coil, RF, 12 MC				L103
1	CL-210(2A-1445-7)		1	Coil, RF, 14 MC				L104
1	CL-211(2A-1445-8)		1	Coil, RF, 16 MC				L105
1	CL-212(2A-1445-9)		1	Coil, RF, 18 MC				L106
1	CL-213(2A-1445-10)		1	Coil, RF, 20 MC				L107
1	CL-214(2A-1445-11)		1	Coil, RF, 22 MC				L108
1	CL-215(2A-1445-12)		1	Coil, RF, 24 MC				L109
1	CL-216(2A-1445-13)		1	Coil, RF, 26 MC				L110
1	CL241			Coil, RF, Fxd		A4253	1	L138
1	LD-318		8	Engraving, Front Panel	MS-1037-1			
1	LD-358		8	Stamping, Audio Chassis	MS-1083			
1	LD-359		8	Stamping, RF Chassis	MS-1086			
1	LD-360		4	Stamping, 1st RF	MS-1087			
1	LD-361		4	Stamping, 2nd RF	MS-1088			
1	LD-362		4	Stamping, Chassis, RF Output	MS-1089			
1	LD-364		2	Dial plate, Meter, Level Indicator		MR-100-8	1	
1	LD-365-1&2		4	Stamping, Oven, Inner Shell	MS-1110, MS-1139			
1	LD-366		8	Stamping, Oscillator Chassis	MS-1112			
1	LD-370		2	Stamping, Bottom Cover, Xtal Oven	MS-1107			

MATERIAL LIST

REV A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MODEL A-1516-A
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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SUPPORTING DRAWINGS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	LD-371		1	Stamping, Top Cover, Xtal Oven	MS-1106			
1	LD-388		4	Stamping, Bottom Cover, RF Section	MS-1212			
1	NW127 (A4230)		4	HF Modulator		A-230		Z107 c/s CR107, 108; J300, R150, T111
1	TF-172(1A-1811)		1	Transformer, HF Mod.		A-4230	1	
1	TF-173(1A-1812)		1	Transformer, HF OSC. Input				T123
1	TR-166(1A-1813)		1	Transformer, RF, VMO Input				T124
2	AW119 (A-1124)		1	Transformer, RF, VMO, 270K				T127, 128

MATERIAL LIST

REV

A B C D E F G H J K L

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SHEET 39 OF 43

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SPECIFICATIONS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
	S114			Zinc Chromate Primer				
	S115			Smooth Grey Enamel				
	S135			Nickel Plate				
	S404			Iridite, Yellow				
	S343			Min. Conn. & Cable Assemble Procedure				
	S347			Determining XTAL or MO Operation				
	S349			Test Procedure, SBE Osc. Section				
	S953			Test Procedure, SBE-2A				
	S946			Test Procedure, NW127				

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	MODEL	A-1516-A
																												SHEET	40 OF 43
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS																					
						USED ON	QUAN.																						
				LOOSE ITEMS																									
1	CA-346-3-0		4	STANDARD SBE-2A LOOSE ITEMS Cable, Power Interconnect, PS to Exciter				W101 c/o P101,102																					
1	PL-132-3		1	Connector, Plug, Male	Mike			J101 Mate																					
1	TM-105-14AL		2	Fanning Strip																									
2	UG-260/U		1	Connector, Plug, Male, RF																									

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	A-1516 -A
																		SHEET	41 OF 43	
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS												
						USED ON	QUAN.													
				LOOSE ITEMS																
				LOOSE ITEMS WHEN SBE2A IS USED WITH GPT-750 DRAWER, RTS-2																
1	PL-132-3		1	Connector, Plug, Male	Mike			J101 Mate												
2	UG-260/U		1	Connector, Plug, Male, RF																

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	A-1516 -A	
																		SHEET	42	OF	43
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS													
						USED ON	QUAN.														
				LOOSE ITEMS																	
1	CA-346-8-9		4	LOOSE ITEMS WHEN SBE-2AIS USED WITH GPT-10K OR SBT-350 Cable, Power Interconnect, PS to Exciter				W101 c/6 P101,102													
1	MS-1762-1		2	Plate, Spacer, Left Side				Mount on Unit													
1	MS-1762-2		2	Plate, Spacer, Right Side				Mount on Unit													
2	NT-129-524-4		2	Nut, Round, Swage Type			MS-1762	1													
1	PL-132-3		1	Connector, Plug, Male	Mike			J101 Mate													

MATERIAL LIST				REV	MODEL A-1516-A			
				REV	SHEET 43 OF 43			
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
				LOOSE ITEMS WHEN SBE-2AIS USED WITH SBT-1K (RAK-9)				
1	CA-346-3-9		4	Cable, Power Interconnect, PS to Exciter				W101 c/o P101,102
1	MS-1762-1		2	Plate, Spacer, Left Side				Mount on Unit
1	MS-1762-2		2	Plate, Spacer, Right Side				Mount on Unit
2	NT-129-524-4		2	Nut, Round, Swage Type		MS-1762	1	
1	PL-132-3		1	Connector, Plug, Male	Mike			J101 Mate

MATERIAL LIST				REV	A	B	C	D	E	F	G	H	J	K	L	M	N	MODEL A-1516-A
																		SHEET 43.1 OF 43
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS										
						USED ON	QUAN.											
				LOOSE ITEMS														
1	CA346-4-9		4	Cable, Power Interconnect, PS to Exciter				W101 c/o P101,102										
1	MS-1762-1		2	Plate, Spacer, Left Side				Mount on Unit										
1	MS-1762-2		2	Plate, Spacer, Right Side				Mount on Unit										
2	NT-129-524-4		2	Nut, Round, Swage Type		MS-1762	1											
1	PL-132-3		1	Connector, Plug, Male	Mike			J101 Mate										

