


USED ON		
MODEL	SECTION	QUAN.
SBE-3	A0-101	1

NPL-AX-205	
LIST NO.	REV.

AUDIO SECTION
(TITLE)

LIST SECTIONS

- 1. ELECTRICAL / MECHANICAL (Pg. 1-6)
- 2. HARDWARE (Pg. 7-8)
- 3. RAW MATERIALS (Pg. 9)
- 4. SUPPORTING DRAWINGS (Pg. 10)
- ~~5. SPECIFICATIONS (NONE REQ)~~
- ~~6. LOOSE ITEMS (NONE REQ)~~
- ~~7. PARTS PECULIAR (NONE REQ)~~

TYPED December 4, 1959
 CHECKED *[Signature]*
 APPROVED *[Signature]*

AUDIO SECTION

PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.							LIST NO.		
	QUANTITY REQ.	L P Z	PART NO.	REV	DWG SIZE	ISSUE							SHEET	OF	SHEETS
						A	B	C	D	E	F				
						<u>ELECTRICAL COMPONENTS AND MECHANICAL PARTS</u>									
P	8		CB21Q/B102K		2	Capacitor, Fixed, Mica, Button, .001 ufd									G269,270,271,272,273,279,280,281
P	1		CC21S1100D		2	Capacitor, Fixed, Ceramic, 10 uufd									C123
P	27		CC-100-16		2	Capacitor, Fixed, Ceramic, Disc. .01 ufd									C116,117,121,124,125,127,151,152,153,156,157,158,161,173,251,263,264,265,266,267,268,274,275,276,277,278,262
P	2		CC-100-29		2	Capacitor, Fixed, Ceramic, Disc, .001 ufd									C126,128
P	3		CF-122-2,062		1	Coil Form, .250 O.D. X 2-1/16 Long									(1) u/o TT-100 (1) u/o TT-114
P	6		CI-116-6		2	Core, Tuning, Yellow									(2) u/o TT-100 (2) u/o TT-114
P	7		CL-140-2		1	Coil, RF, Fixed, 150 uhy									L143,144,145,146,147,148,149
P	1		CM20D102K		2	Capacitor, Fixed, Mica, 1000 uufd									C118

AUDIO SECTION

PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.										LIST NO.					
	QUANTITY REQ.	N P L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE										SHEET	
									A	B	C	D	E	F						
<u>ELECTRICAL COMPONENTS AND MECHANICAL PARTS</u>																				
P	6		CM20D162G		2	Capacitor, Fixed, Mica, 1600 uufd		(2) u/o TT-100												
P	1		CM20D221K		2	Capacitor, Fixed, Mica, 220 uufd		(2) u/o TT-114 C122												
P	2		CN108C1003K		2	Capacitor, Fixed, Mylar, .1 ufd		C130,261												
P	1		CN108C2003K		2	Capacitor, Fixed, Mylar, .2 ufd		C282												
P	1		CR-47/U-.250P		2	Crystal, 250 KC		Y121												
P	1		CV11A070		1	Capacitor, Variable, Ceramic, 1.5-7 uufd		C120												
P	2		DD-100		1	Diode, Matched		CR115,116												
P	3		FP-159	B	1	Can		Used on A-11440												
P	1		FX-158		1	Filter, Bandpass, LSB		Z110												
P	1		FX-159	A	1	Filter, Carrier Suppression		Z112												
P	1		FX-160		1	Filter, Bandpass, USB		Z111												

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

APPROVED

AUDIO SECTION

PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.							LIST NO.	
	QUANTITY REQ.	P N L	PART NO.	REV	DWG SIZE	ISSUE							SHEET	
						A	B	C	D	E	F			3
						DESCRIPTION							REF	SYMBOLS
						<u>ELECTRICAL COMPONENTS AND MECHANICAL PARTS</u>								
	1		MS-1117		1	Bracket, Relay								Used on A-11460
	1		MS-1857	B	8	Chassis, Audio							ID-627	
P	1		PO-106-2-NT		1	Socket, Plug-in								Used on A-11460
P	1		PO-148-9-2		2	Socket, Plug-in								XV105 (used on A-11458)
P	1		PO-184		2	Oven, 250 KC Crystal								Z108, XY121
P	3		PX-380		1	Terminal Board, w/lugs								(1) u/o TT-100
	2		RC20GF103K		2	Resistor, Fixed, Composition								(1) u/o TT-114
P	2		RC20GF103K		2	Resistor, Fixed, Composition								u/o TT-114
P	1		RC20GF101K		2	Resistor, Fixed, Composition								R273
P	3		RC20GF102K		2	" " "								R142, 212, 128
P	7		RC20GF104K		2	" " "								R104, 132, 136, 137, 147, 182, 125,
P	5		RC20GF106K		2	" " "								R133, 145, 148, 149, 183,
P	2		RC20GF113J		2	" " "								R254, 255
P	2		RC20GF152K		2	" " "								R105, 276
P	2		RC20GF153J		2	" " "								R256, 257
P	2		RC20GF181K		2	" " "								R245, 246
P	1		RC20GF182K		2	" " "								R108
P	2		RC20GF183J		2	" " "								R249, 250
P	1		RC20GF222K		2	" " "								R264
P	4		RC20GF223K		2	" " "								Used on TT-100
P	2		RC20GF224K		2	" " "								R134, 184
P	1		RC20GF225K		2	" " "								R146
P	6		RC20GF271K		2	" " "								R259, 260, 241, 242, 243, 244
P	2		RC20GF392K		2	" " "								R252, 253
P	1		RC20GF471K		2	" " "								R111
P	5		RC20GF474K		2	" " "								R103, 113, 114, 126, 127

AUDIO SECTION

MATERIAL LIST

MODEL NPL-AX-205

PROJ. NO.

LIST NO. NPL-AX-205

ISSUE A B C D E F

SHEET 4 OF 10 SHEETS

PURCHASED ITEM	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
<u>ELECTRICAL COMPONENTS AND MECHANICAL PARTS</u>								
P	2		RC20GF561K		2	Resistor, Fixed, Composition		R101,102
P	3		RC20GF821K		2	Resistor, Fixed, Composition		R131,151,181
P	3		RC20GF822J		2	Resistor, Fixed, Composition		R247,248,251
P	1		RC20GF823K		2	Resistor, Fixed, Composition		R274
P	1		RC30GF102K		2	Resistor, Fixed, Composition		R191
P	2		RC30GF333K		2	Resistor, Fixed, Composition		R261,262
P	1		RC30GF472K		2	Resistor, Fixed, Composition		R124
P	1		RC42GF104K		2	Resistor, Fixed, Composition		R139
P	2		RC42GF823K		2	Resistor, Fixed, Composition		R138,152
P	1		RL-116D2G120		1	Relay		Used on A-1460
P	2		RV106 UX8B251A			Resistor, Variable, Composition 1/2 watt.		R265,266
P	2		RW-109-32		1	Resistor, Fixed, W.W., 5K, 10W		R120,258
P	6		SM-140-2	B	1	Bushing, Coil Mtg.		(2) u/o TT-100 (2) u/o TT-114

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

APPROVED

AUDIO SECTION

MODEL NPL-AX-205

PROJ. NO.

LIST NO. NPL-AX-205

ISSUE A B C D E F

SHEET 5 OF 10 SHEETS

MATERIAL LIST

PURCHASED ITEM	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
<u>ELECTRICAL COMPONENTS AND MECHANICAL PARTS</u>								
P	2		TF-138	G	1	Transformer, Audio, 20K to 150/600		T103,104
P	2		TF-170		1	Transformer, Audie, 150/600 to 600 CT		T101,102
P	1		TM-100-14		1	Terminal Strip, Barrier Type	14 Term.	E101
P	1		TM-104-3		1	Terminal Strip	4 Lug	
P	3		TS-101-PO1		2	Socket, Tube, Octal		XK101, XZ103, XZ108 XCR115, XCR116, XV101,106,111,121, 124,125,126,127 XV110,122,123
P	10		TS-102-PO1		1	Socket, Tube, 7 Pin Min.		
P	3		TS-103-PO1		2	Socket, Tube, 9 Pin Min.		
P	6		TS-102-U02		1	Shield, Tube		For V101,111,124, 125,126,127 For V106,121 For V110,122,123,105
P	2		TS-102-U03		1	Shield, Tube (Tall)		
P	4		TS-103-U02		2	Shield, Tube		
P	6		UG-625/U		1	Connector, Receptacle, RF		J102,103,104,111,112, J113

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

APPROVED

MATERIAL LIST

MODEL NPL-AX-205

PROJ. NO.

LIST NO. NPL-AX-205

ISSUE A B C D E F

SHEET 6 OF 10 SHEETS

PURCHASED ITEM	QUANTITY REQ.	N P L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
<u>TUBES</u>								
P	2		0A2			Tube, Gas, Voltage Regulator		V106,121
P	2		1N303			Diode, Germanium		CR111,112
P	4		6AB4			Tube, Electron, Audio Pre-Amplifier L.F. Amplifier Relay Amplifier		V101 V124,125 V127
P	1		6AH6			Tube, Electron, 250KC Amp.		V126
P	1		6AL5			Tube, Electron, Squelch & VOX, Rect.		V111
P	1		6U8			Tube, Electron, Squelch & VOX Amp.		V110
P	2		12AT7			Tube, Electron LSB Audio Amp. USB Meter Amp. USB Audio Amp. LSB Meter Amp.	1/2 1/2 1/2 1/2	V122A V122B V123A V123B
P	1		12AU7			Tube, Electron 250 KC Oscillator		V105 (Used on A-1458)

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

APPROVED

AUDIO SECTION

MATERIAL LIST

MODEL **NPL-AX-205**

PROJ. NO.

LIST NO. **NPL-AX-205**

ISSUE **A B C D E F**

SHEET **7** OF **10** SHEETS

PURCHASED ITEM	QUANTITY REQ.	N P L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
<u>HARDWARE</u>								
P	2		EY-100-1		1	Eyelet, Flanged		Used on A-1440
P	2		LWEO4MRN		1	Lockwasher, Ext.		Used on A-1460
P	1		LWEO6MRN		1	Lockwasher, Ext.		Used on A-1460
P	9		LWIO8MRN		1	Lockwasher, Int.		(3) u/o TT-100 (3) u/o TT-114
P	10		NT-101-4		1	Nut, Strap, 7 Pin Tube Socket		For XCR115,116, XV101,106,111,121, 124,125,126,127
P	3		NT-101-5		1	Nut, Strap, 9 Pin Tube Socket		For XV110,122,123
P	6		NTHO348BN6		1	Nut, Hexagon		(2) u/o TT-100 (2) u/o TT-114
P	1		NTHO440BN6		1	Nut, Hexagon		Used on A-1460
P	6		NTHO832BN8		1	Nut, Hexagon		(2) u/o TT-100 (2) u/o TT-114
P	1		SCBSO440BN19		1	Screw, Machine		Used on A-1460
P	1		SCBSO632BN5		1	Screw, Machine		Used on A-1460

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

APPROVED

AUDIO SECTION

MODEL NPL-AX-205

PROJ. NO.

LIST NO. NPL-AX-205

SHEET 8 OF 10 SHEETS

MATERIAL LIST

ISSUE A B C D E F

PURCHASED ITEM	QUANTITY REQ.	P L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
						<u>HARDWARE</u>		
P	1		TE-111-2		1	Terminal, Lug	(1)J113 Mtg.	
P	3		TE-104-3		1	Lug, Terminal	(1) u/o TT-114	
P	2		TE-117-21		2	Spacer, 3/16 D. X 1/16 Long	(1) u/o TT-100 For Mounting CV11	
P	12		TE-153-1		1	Terminal, Ring Type	(4) u/o TT-100 (4) u/o TT-114	
P	6		TE-167		1	Lug, Angle, Threaded	u/o A-1440	
P	15		TE-168-4B		1	Terminal, Min.	u/o XP-380	

AUDIO SECTION

PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.												LIST NO.		
	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION												REF	SYMBOLS
						ISSUE	A	B	C	D	E	F							
						<u>RAW MATERIALS</u>													
P	X		BS-100		1	Solder, Soft													
P	X		GL-103		1	Cement, Duco													Used on TT-100, TT-114
P	X		GL-104-2		1	Insulex, U-85													Used on TT-100, TT-114
P	X		PX-104-2-.022		1	Insulation, Sleeving #24												Red	Used on A-1460
P	X		PX-104-5-.022		1	Insulation, Sleeving, #24												Brown	Used on A-1458
P	X		WI-107-17		1	Wire, Magnet, DSC, #36													Used on TT-100, TT-114
P	X		WL-100-7		1	Wire, Buss, #22													Used on TT-100, TT-114
P	X		WL-100-8		1	Wire, Buss #24													Used on A-1460

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

APPROVED

AUDIO SECTION

MATERIAL LIST

MODEL **NPL-AX-205**

PROJ. NO.

LIST NO. **NPL-AX-205**

ISSUE **A B C D E F**

SHEET **10** OF **10** SHEETS

PURCHASED ITEM	QUANTITY REQ.	L P Z	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS
						<u>SUPPORTING DRAWINGS</u>		
	1		A-1458		1	250 KC Oscillator Assembly		Z103, Consists of: C118,121,122,123,124, R125,126,127,128,V105, XV105
	1		A-1798		4	Terminal Board All Stages		Consists of: C151,152, 153,156,157,158,CR111 112,R132,133,134,136, 137,138,139,142,151, 152,182,183,184,191 274
	1		A-1460		2	VOX Relay Assembly		K101
	3		A-1440		1	Can Assembly		(1) u/o TT-100 (1) u/o TT-114
	1		AX- 205			Audio Section Assembly		
	1		LD-627	C	8	Lettering, Audio Chassis	MS-1857	
	2		TT-100 (2A-1804)		1	Transformer, RF, Tuned, 250 KC		T125,126,
	1		TT-114 (2A-1926)		1	Transformer, RF, Tuned, 250 KC		T127

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

CHECKED

APPROVED

AUDIO SECTION

PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.										LIST NO.
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	SPECIFICATIONS									
				DWG SIZE		DESCRIPTION	REF	SYMBOLS							
			S-480			Test Procedure (FX-160)									
			S-481			Test Procedure (FX-159)									
			S-482			Test Procedure (FX-158)									
<p><i>Sh. del.</i> <i>per</i> <i>EMN 10338</i></p>															