

M A T E R I A L L I S T

GSB-1 and GSB-2

MARK II SERIES

SECTION I ELECTRICAL COMPONENTS AND MECHANICAL PARTS

SECTION II TUBES

SECTION III HARDWARE (NUTS, BOLTS, ETC.)

SECTION IV SUPPORTING DRAWINGS

SECTION V PARTS PECULIAR

SECTION VI SPECIFICATIONS

SECTION VII LOOSE ITEMS SUPPLIED W/UNIT

SECTION VIII RAW MATERIAL

NOTE: P INDICATES PURCHASED ITEMS

Completely Revised May 10, 1957

Drawn F.M.

Checked P.L.K.

Approved DM

SINGLE SIDEBAND ADAPTER

PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES										PROJ. NO. 459		LIST NO. GSB-1/GSB-2			
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	ISSUE										SHEET 1 OF 13 SHEETS	
						ELECTRICAL AND MECHANICAL PARTS													
P	1	BI-101-44 (AF)		1		Lamp, Incandescent, Bayonet Base	11												
P	1	CA-102-2	A	1		Cord, Set	W1, P1												
P	1	CB-118-SRX-050	D	2		Capacitor, Var. Tuning, Single Section	C15												
P	4	CC-100-9		2		Capacitor, Fixed, Ceramic Disc.	C7,32,33,9												
P	1	CC-100-15		2		" , " , " "	C35												
P	12	CC-100-16		2		" , " , " "	C2,5,6,10,12,13,26,27, 28,29,11,20												
P	1	CC-100-23		2		Capacitor, Fixed, Ceramic Disc.	C34 A, B												
P	3	CC-101-4		1		" , " , "	C1,3,4												
P	1	CE-104-1 (SEE S-332)		1		Capacitor, Electrolytic, 10,30,15,30, mfd.-450V	C36,A,B,C,D												
P	1	CF-107-4N	C	1		Coil Form, Slug Tuned	P/O T1												
P	1	CI-103-9		2		Core, Molybdenum Permalloy Powder	P/O T2												
P	1	CI-109-16		2		" , Tuning	P/O T1												
P	3	CM2OE102J		2		Capacitor, Fixed, Mica	C19,21,25												
P	1	CM2OE132G		2		" , " , "	C17												
P	1	CM2OE152G		2		" , " , "	C23												
P	1	CM2OE201G		2		" , " , "	C18												
P	3	CM2OB561J		2		Capacitor, Fixed, Mica	C22,30,31												
P	1	CM2OD151J		2		Capacitor, Fixed, Mica	C14												
P	1	CN-100-3		1		Capacitor, Fixed, Moulded Plastic	C8												

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SINGLE SIDEBAND ADAPTER

PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES		PROJ. NO. 459	LIST NO. GSB-1/GSB-2	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	SHEET 3 OF 15 SHEETS	
							ISSUE	A 13
						ELECTRICAL COMPONENTS AND MECHANICAL PARTS		
	2	FM-428	A	1	Collar, Friction Drive			
	1	FM-442	C	1	Hub, Frequency Dial			
	1	PX-252	A	2	Dial Plate, Blank			Ref: ID-294
	1	PX-264	D	1	Dial, Fiduciary			
P	4	PX-277	A	1	Mount, Case & Speaker			
P	2	RC2OGF102K		2	Resistor, Fixed, Composition			R45, 2
P	4	RC2OGF104K		2	" , " , "			R19, 24, 26, 30
P	1	RC2OGF105K		2	" , " , "			R3
P	1	RC2OGF106K		2	" , " , "			R11
P	1	RC2OGF121K		2	" , " , "			R23
P	1	RC2OGF153K		2	" , " , "			R21
P	1	RC2OGF154K		2	" , " , "			R9
P	1	RC2OGF155K		2	" , " , "			R10
P	1	RC2OGF220K		2	" , " , "			R18
P	3	RC2OGF221K		2	" , " , "			R1, 14, 36
P	2	RC2OGF222K		2	" , " , "			R31, 46
P	2	RC2OGF223K		2	" , " , "			R13, 17
P	1	RC2OGF224K		2	" , " , "			R28
P	2	RC2OGF225K		2	" , " , "			R27, 29
P	5	RC2OGF473K		2	" , " , "			R15, 22, 47, 44, 35
P	4	RC2OGF474K		2	" , " , "			R5, 7, 12, 37
P	1	RC2OGF562K		2	" , " , "			R41
P	1	RC2OGF681K		2	" , " , "			R8
P	1	RC2OGF683K		2	" , " , "			R20
P	1	RC3OGF223K		2	Resistor, Fixed, Composition			R6
P	1	RC3OGF683K		2	" , " , "			R4
	2	RC42GF181K		2	Resistor, Fixed, Composition			R2
P	2	RC42GF181K		2	" , " , "			R42, 43

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PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES				PROJ. NO. 459				LIST NO. GSB-1/GSB-2				
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV#	DWG	ITEM NO.	DESCRIPTION	REMARKS	ISSUE								
				SIZE				1	2	3	4	5	6	7	8	9
						ELECTRICAL COMPONENTS AND MECHANICAL PARTS										
P	1	RC42GF223K			2	Resistor, Fixed, Composition	R16									
P	1	RC42GF301K			2	" , " , "	R38									
P	1	RC42GF333K			2	" , " , "	R34									
P	1	RC42GF473K			2	" , " , "	R25									
P	1	RC42GF561K			2	" , " , "	R40									
P	1	RV4NBYSB105D			2	Resistor, Variable, Composition 2 Watt	R33, S6									
P	1	RW-107-34			1	Resistor, Fixed, Wirewound 5 Watt	R39									
P	1	RW-107-48			1	" , " , " " "	R32									
P	3	ST-103-1-62			2	Switch, Toggle	S1,2,4									
P	1	SW-197			1	Switch, Rotary SPDT	S5									
P	1	SW-198			1	" , " DPDT	S3 A & B									
P	1	TF-158			2	Filter, Choke	L1									
P	1	TF-159	B		2	Transformer, Output	T3									
P	1	TF-168	B		2	Transformer, Power	T4									
P	1	TM-116-5			1	Strip, Terminal	E1									
P	1	TM-117-2			2	Strip, Terminal										
P	2	TM-117-4			2	" , "										
P	1	TM-117-10			2	" , "										
P	3	TM-117-11			2	" , "										
P	3	TM-117-35			2	" , "										
P	1	TS-101-POL			2	Socket, Octal	XV7									
P	1	TS-107-2			1	Socket/Bracket Miniature Bayonet	X11									
P	7	TS-130-M.P.W.			1	Socket, Electron Tube, 7 pin Min. Bottom Mtg.	XV1,2,4,5,6,8,10									
P	2	TS-131-M.P.W.			1	" , " " , 9 " " . " " .	XV3,9									

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PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES		PROJ. NO. 459		LIST NO. GSB-1/GSB-2	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	SHEET 5 OF 10 SHEETS	
								ISSUE	
						TUBES			
P	1	6BA6				Tube, Electron	V1		
P	2	6BE6				" , "	V2,5		
P	1	12AU7A				" , "	V3A, B		
P	1	6AG5				" , "	V4		
P	1	6AL5				" , "	V6		
P	1	5Y3 GT				" , "	V7		
P	1	0A2				" , "	V8		
P	1	12AT7				" , "	V9		
P	1	6AQ5A				" , "	V10		

SINGLE SIDEBAND ADAPTER

PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES				PROJ. NO. 459				LIST NO. GSB-1/GSB-2			
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION (CONTINUED)	REMARKS	ISSUE				SHEET 7 OF 13 SHEETS			
P	6	SCBP0440BN3		1		Screw, Machine									
P	18	SCBP0440BN4		1		" , "									
P	2	SCBP0440BN7		1		" , "									
P	14	SCEP0632BN4		1		Screw, Machine									
P	30	SCEP0632BN6		1		" , "									
P	2	SCEP0632BN8		1		" , "									
P	1	SCEP0632BN18		1		" , "									
P	1	SCEP0632BN36		1		" , "									
P	4	SCEP0832BN6		1		Screw, Machine									
P	8	SCFP0348BN4		1		Screw, Machine									
P	4	SCFP0440BN8		1		" , "									
P	2	SCFP0632BN7		1		" , "									
P	4	SCFP0832BN6		1		" , "									
P	2	SC-107-1		1		Bolt, Spade, Offset Type									
P	2	SC-123-0-4		1		Screw, Drive									
P	4	SFB0256S04 (Black Oxide)		2		Screw, Thread Cutting, Slotted Head	(Heads Black Oxide)								
P	2	SM-127-D-0632		1		Hex Nuts, Machine Screw									
P	1	SP-116-R	B	1		Spring, Compression									
P	3	TE-104-2		1		Terminal, Locking									
P	1	TE-104-3		1		" , "									
P	1	TE-111-2		1		Lug, Solder									
P	1	TE-129		1		" , Terminal									
P	7	TE-149-.120		1		" , Solder									
P	3	TE-153-2		1		Terminal, Ring									

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SINGLE SIDEBAND ADAPTER

PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES PROJ. NO. 459										LIST NO. GSB-1/GSB-2		
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION										REMARKS
						HARDWARE (CONTINUED)										
P	4	WA-102-4		1		Washer, Fiber, Shoulder										
P	2	WA-109-55		1		" , "										
P	2	WA-122		1		Washer, Friction										
P	1	WA-126		1		Hub Shim, Friction Drive										
P	1	WA-127		1		Washer, Friction Drive										

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PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES												PROJ. NO.		LIST NO. GSB-1/GSB-2			
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION	REMARKS	ISSUE												SHEET 9 OF 13 SHEETS	
								A	B												
						SUPPORTING DRAWINGS															
1	A-829	D	1		Float Front, Sub-Assembly																
1	A-1302	B	2		Drive Plate Assembly																
1	A-1316	B	1		Rear Support Assembly, Chassis																
1	A-1324		1		Capacitor Cover Assembly																
1	A-1382 (SEE S-332)		2		Transformer, A.F. Assembly (17 Kc Osc.)	T2															
1	A-1413		2		438. & 472 KC Osc. Sub-Assembly	T1															
1	A-1415	A	8		Main Chassis Assembly																
1	A-1416	A	1		Support Plate Assembly																
1	A-1417	A	2		Dial Assembly																
1	A-1418		8		Final Assembly (No Drawing)																
1	CA-338		1		Cable 455 KC. Input																
1	CA-339		8		Cable Assembly, Main																
	CH-155		2		Voltage & Resistance Charts																
1	CK-335				Block Diagram																
1	CK-341	B	8		Schematic Diagram																
1	CS-121	A	2		Casting, Inertia Wheel	For FM-416															
1	ID-294-A	B	8		Dial Calibration	For PX-252															
1	ID-296	B	8		Lettering, Front Panel																
1	ID-349	A	8		Lettering, Main Chassis																
2	IN-178				Instruction Manual																

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PURCHASED ITEM	MATERIAL LIST			MODEL <u>GSB-1 MARK II SERIES</u> PROJ. NO.										LIST NO. <u>GSB-1/GSB-2</u>					
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION PARTS PECULIAR	REMARKS	ISSUE										SHEET <u>9A</u> OF <u>13</u> SHEETS	
								A	B										
						<u>GSB-1 MARK II</u> <u>CABINET MOUNTED</u>													
P	1	MS-938	B	4		Front Panel, Machining													
P	1	MS-949	C	8		Cabinet													
						<u>GSB-2 MARK II</u> <u>RACK MOUNTED</u>													
	1	MS-1063		8		Front Panel, Machining													
	2	MS-1118		1		Bracket, Bottom Cover													
	1	MS-1119		2		Bracket, Top Cover													
	1	MS-1120		4		Bottom Cover													
	1	MS-1121		4		Top Cover													
	6	FS-102-1		1		Spring													
	8	FS-109-3		1		Ring, Retaining													
	8	FS-110-1		1		Stud													
	2	LWIO6MRN		1		Lockwasher, Internal Tooth													
	4	LWIO8MRN		1		" , " "													
	12	LWSO3MRN		1		Lockwasher, Split													
	12	NTHO348BN6		1		Nut, Hex													
	2	NTHO632BN8		1		" , "													
	4	NTHO832BN10		1		" , "													
	2	SCBP0632BN6		1		Screw, Machine													
	4	SCBP0832BN6		1		" , "													
	12	SCFP0348BN4		1		Screw, Machine													

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PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES		PROJ. NO.										LIST NO. GSB-1/GSB-2	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	ISSUE										SHEET 11 OF 13 SHEETS	
						A B											
						DESCRIPTION										REMARKS	
						LOOSE ITEMS SUPPLIED W/UNIT											
P	1	CA-318-36		2		Cable Assembly, Special Purpose Electrical											

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**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

B

MODEL: GSB-1/GSB-2

SHEET 12 OF 13

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
BS104	Solder, Paste				X		
GL100	Potting Compound				X		
GL103	Adhesive				X		
GL104-2	Insulating Varnish, Elec				X		
PX100-1-106	Insulation Sleeving				4-1/4"		
PX104-1-022	Insulation Sleeving				X		
PX104-2-022	Insulation Sleeving				X		
PX104-4-022	Insulation Sleeving				X		
PX104-1-034	Insulation Sleeving				X		
PX104-6-022	Insulation Sleeving				X		
RG58A/U	Cable, RF				X		
MWC18(7)U0	Wire, Elec, Ins				X		
MWC22(7)U0	Wire, Elec, Ins				X		
MWC22(7)U1	" " "				X		
MWC22(7)U2	" " "				X		
MWC22(7)U3	" " "				X		
MWC22(7)U4	" " "				X		
MWC22(7)U5	" " "				X		
MWC22(7)U6	" " "				X		
MWC22(7)U91	" " "				X		
MWC22(7)U92	" " "				X		
MWC22(7)U93	" " "				X		
MWC22(7)U95	" " "				X		
MWC22(7)U9	" " "				X		
TA105-3	Tape, Pressure Sens				X		

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PURCHASED ITEM	MATERIAL LIST			MODEL GSB-1 MARK II SERIES		PROJ. NO. 459		LIST NO. GSB-1/GSB-2	
	QUAN. PER ONE EQUIP.	PART NO.	DWG REV	DWG SIZE	ITEM NO.	DESCRIPTION		REMARKS	
						RAW MATERIAL CONTINUED			
P	X	WI-101-4		1		Cable, Shield Flexible			
P	X	WI-104-1243-SC-QS		1		Wire, Litz			
P	X	WI-109-2		1		Cable, Shielded, Multi-Conductor			
P	X	WI-123-30		1		Wire, Magnet, Heavy			
P	X	WL-100-7		1		Wire, Buss-Bar, Tinned			
P	X	WL-103-1		1		Shield, Flexible			

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