

OPERATING AND SERVICE INSTRUCTIONS

RADIO RECEIVER

MODEL SX-62B

Coste

ERRATA SHEET MODEL SX-62B

The following changes are to be incorporated in the MODEL SX-62B Operating and Service Instructions Manual.

Page 3 - GENERAL SPECIFICATIONS. Change:

Speaker Output to 3.2/8/500 ohmsi/ External Power Connector not applicable to SX-62Bi/

Page 4 - Delete second sentence of sixth paragraph

Page 4 - INSTALLATION. Change SPEAKER CONNECTION paragraph to read as follows:

Four screw type terminals located on the rear chassis apron, are provided for the speaker connection. The output impedances are 3.2, 8, and 500 ohms. Any suitable speaker unit which will operate with the available output impedances may be used with the Model SX-62B receiver. Hallicrafters Model R-48A speaker connects to the 3.2 ohm terminals (marked COM/3.2).

Page 5 - Figure 2. Change:

Speaker Connections to 3.2 - 8 - 500

Page 7 - Change MULTIPLEX OUTPUT paragraph to read as follows:

A jack, located on the rear panel, provides an output from the FM detector that may be used with a multiplex adapter and stereo system for reception of stereo broadcasts in the FM band.

Page 8 - Figure 5. Change 6H6 to 6AL5.

Page 13 - Figure 13. Change V9, 6H6, to 6AL5.

Form Number 094-903967 Pack with Instruction Manual 094-903945



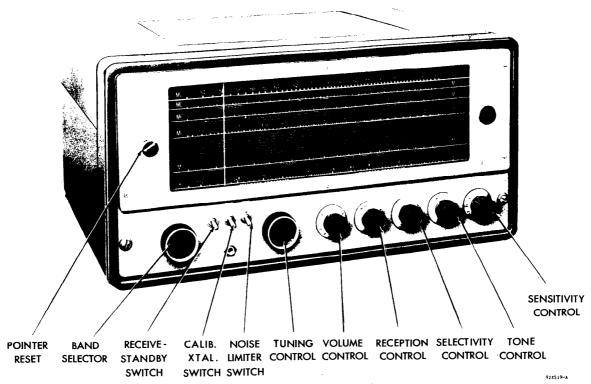


Figure 1. Radio Receiver Model SX-62B/62BU

GENERAL SPECIFICATIONS

Tubes Thirteen plus voltage regulator and rectifier	FREQUENCY COVERAGE			
Speaker Output 3.2. 500/5000 ohms	BAND	FREQUENCY RANGE	TYPE OF RECEPTION	
Headset Output High impedance			***	
Antenna Input For 50 to 600 ohm line or single wire lead-in	1	550 KC - 1620 KC	AM/CW	
Phono Input High impedance	2	1.62 MC - 4.9 MC	AM/CW	
External Power Connector. Std. octal socket	3	4.9 MC - 15 MC	AM/CW	
Tuning Range See Frequency Coverage	4	15 MC - 32 MC	AM/CW	
Intermediate Frequency 455 kc/10.7 mc	5	27 MC - 56 MC	AM/FM/CW	
Power Supply SX-62B 105-125V 60 Cycles AC SX-62BU 105-250V 25/100 Cycles AC	6	54 MC - 109 MC	AM/FM/CW	
Power Consumption 120 Watts				

The Model SX-62B (SX-62BU, available on special order) receiver is a sensitive high fidelity superheterodyne receiver covering all of the broadcasting services between 540 kilocycles (KC) and 109 megacycles (MC). The receiver is capable of receiving both the FM (Frequency Modulation) and AM (Amplitude Modulation) broadcasts transmitted in this frequency range as shown in the FREQUENCY COVERAGE chart.

A built-in 500 kc crystal controlled calibrating oscillator and adjustable dial pointer permit accurate dial calibration on the large direct reading slide rule dial. Marker signals appear every 500 kc on the dial scale with this type of marker oscillator; hence, dial calibration may be held to very close limits over the entire dial scale by comparison with the marker signal.

This calibration feature of the Model SX-62 receiver makes it possible to log the most prominent shortwave stations by countries directly on the dial. In addition, many of the active communication channels; government, amateur, police, aviation, etc. are logged by bars to indicate their location on the dial. World-wide reception is accomplished simply by selecting the desired frequency band (band selector switch) and adjusting the tuning control so that the pointer is above the station locating dot.

The receiver selectivity is adjustable to accommodate the broad response required for high fidelity FM and AM broadcast reception to the sharpest crystal selectivity required for code reception in the crowded channels of the short wave bands. A FM-AFC position on the RECEPTION switch "locks" the receiver onto the station frequency.

The high fidelity tone compensated audio system provides four distinct tone ranges covering full range reception for entertainment purposes as well as the restricted range required for communication work in either voice or code.

An automatic noise limiter, operated by a toggle switch, permits the operator to reduce the background noise caused by severe electrical disturbances. Background noise is reduced in the model SX-62 with a minimum of audio distortion.

A RECEIVE-STANDBY switch permits receiver disabling for short standby periods without having to wait for the tube heaters to reach operation temperature when reception is again required.

The receiver normally operates from a 105-125 volt 60 cycle alternating current (AC) source. A connector for operating the receiver with external batteries or equivalent power is provided to permit operation in areas where AC current does not exist. A special model of the SX-62B receiver permits operation from 25/to 100 cycle alternating current sources operating at voltages ranging from 105-250 volts. The power requirements for your receiver must be checked carefully. Read over the installation section of this book before connecting to your power source.

IMPORTANT

Your careful attention is especially invited to the installation and operating instructions. They have been provided to insure the satisfaction you have a right to expect from a Hallicrafters "Precision Built" product. Your receiver has an unusually high degree of sensitivity necessary to receive weak and distant stations. Careless operation of a high sensitivity receiver may result in excess noise or background hiss. These undesirable effects can be held to a minimum by careful adjustment of the sensitivity, tuning and tone controls as well as proper selection and arrangement of the antenna.

INSTALLATION

UNPACKING - Check all shipping instruction tags carefully before removing them.

LOCATION - The receiver is equipped with rubber feet for table top or shelf mounting. When locating the receiver, avoid excessively warm locations such as near radiators, hot air registers, or confined dead air spaces such as are encountered in recessed installations.

POWER SOURCE - The receiver, as normally supplied, operates from a 105 to 125 volt, 50/60 cycle AC outlet. Power consumption is approximately 120 watts. If you are in doubt or unfamiliar with the voltage and frequency rating of your utility service, consult your local power company representative. Attempting to operate the receiver from other sources of power than specified may involve costly repairs.

A special model is available for operation from 115 V./130 V./150 V./220 V./250 V. 25/100 cycle AC sources. A selector switch on the power transformer permits operation on any of the line voltages shown.

CAUTION - When operating the universal model, it is necessary to check, and set if necessary, the selector switch on the power transformer before connecting the receiver to the source of power.

SFEAKER CONNECTION - Three screw type terminals, located on the rear chassis apron, are provided for the speaker connection. The output impedances available are 100 and 100 ohms. Any suitable speaker unit which will operate with either of these output impedances may be used with the Model SX-62B receiver. Hallicrafters Model PM-23 speaker connects to the 5000-ohm terminals (marked "COM/5000"); the Model R-42 and R-44 speaker units connect to the 500-ohm terminals (marked "COM/500").

R-48A Connect at 3.2

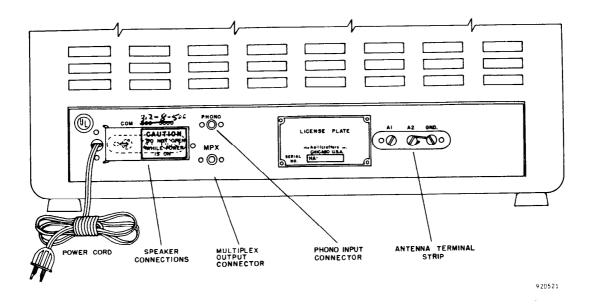


Figure 2. Rear View

ANTENNA - The terminals marked A1, A2, and G on the back of the receiver are for the antenna and ground connections. Satisfactory results can be obtained in most localities with the 15 foot antenna wire included with your receiver. Simply uncoil this wire, connect one end of it to terminal A1, and then connect the jumper between terminals A2 and G. An outside antenna 50 to 100 feet long (ordinary copper wire) may be necessary if the receiver is located in a difficult reception area or steel constructed building. In some locations, reception may be improved by connecting a lead from terminal G to a cold water pipe or outside ground rod.

Doublet Antenna - For really top performance, there is no substitute for an outside doublet antenna. When properly constructed and installed, the doublet antenna will provide not only optimum shortwave reception but excellent standard broadcast reception as well. The overall length (in feet) of the doublet is determined by dividing 468 by the frequency (in megacycles) at the high end of the range to which you wish to listen. A doublet antenna is directional broadside to its length and should be so oriented with respect to a desired station for maximum signal pickup.

By feeding the doublet antenna with a 300 ohm transmission line, a broader frequency response is obtained than that possible with a 50-75 ohm line. If a ribbon type transmission line is used, connect the line to terminals A1 and A2 and disconnect the jumper between A2 and G. When using a coaxial transmission line, connect the inner conductor to A1, the outer conductor to A2, and place the jumper between A2 and G.



Figure 3. Wiring Diagram, Record Player Connection.

RECORD PLAYER CONNECTION - A shielded type receptacle is provided at the rear chassis apron to accommodate a record player pickup cable connector. Any record player employing a crystal cartridge or high level magnetic pickup in its tone arm may be used with the receiver. Refer to Figure 3. for wiring details.

OPERATION

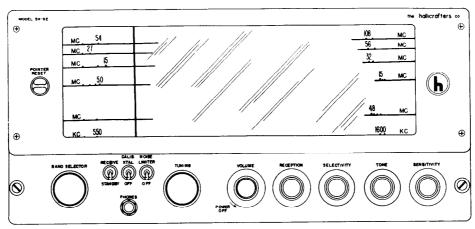


Figure 4. Front View, Location of Controls.

92C523-A

Same

GENERAL BROADCAST RECEPTION - Certain front panel controls have been color coded to simplify the tuning procedure for general entertainment purposes. High fidelity reception in the standard broadcast (AM) and frequency modulation (FM) bands may be accomplished as follows: Turn the volume control clockwise beyond the tell tale click of the switch. This turns the receiver on as indicated by the illumination of one of the dial scales. Similarly the receiver is turned off by turning the control counter-clockwise beyond the click of the switch. At this point the three "bat-handle" switches may be set at "RECEIVE" and "OFF" and forgotten. To receive standard broadcast (AM) services; set the BAND SELECTOR for the position that illuminates the 550-1620 kilocycle scale (bottom scale), set the RECEPTION, SELECTIVITY, TONE and SENSITIVITY controls per the red dot, and adjust the TUNING and VOL-UME controls in the normal manner, tuning for clearest reception as usual.

OPERATION FOR RADIO TELEPHONE AND CW

RADIO-TELEPHONE CWCONTROL

VOLUME control -

This control turns the receiver on and off in addition to controlling the volume. Turn the control clockwise to turn on the receiver or increase volume, and counter-clockwise to reduce volume or turn off the receiver

Normally set at "RECEIVE". May be set at "STANDBY" to disable Same

RECEIVE/STANDBY switch -

the receiver for short standby periods and yet keep the tube heaters at operating temperature for instant use.

RECEPTION control - Set at "AM" for reception of amplitude modulated stations located in the Set at ''CW''

standard broadcast band or any of the shortwave bands, or at "FM" to tune FM stations located in the two highest frequency ranges (two top dial scales), then set at "FM-AFC" to lock onto the station frequency.

Same BAND SELECTOR -

illuminates the lowest dial scale.

Set for position that illuminates the dial scale covering the desired band of frequencies. Extreme left hand position of this control

TUNING control -The tuning control sets the frequency of reception, tuning the band of frequencies shown on the illuminated dial scale. The frequency of reception is shown in kilocycles (KC) on the standard broadcast

range and in megacycles (MC) on the shortwave and FM ranges. The frequencies of the local stations are generally listed in newspapers, AM stations in kilocycles and FM stations in megacycles. Information on short wave stations, not identified directly from the dial, may be obtained from published log books available at most book stores or radio supply houses. When tuning for the station,

tune carefully for the clearest reception and obtain top performance from your receiver.

The tuning control sets the frequency of reception, tuning the band of frequencies shown on the illuminated dial scale. The frequency of reception is shown in megacycles (MC) on the shortwave bands used by code transmitters. When tuning for the station, tune for the pitch of the code signal found easiest to copy. The pitch of the code signal will usually run approximately 1000 cvcles.

CONTROL

SELECTIVITY control -

Normally set at "NORMAL/BROAD" for high fidelity reception in the standard broadcast and FM bands. Use the "NORMAL/MED." or "NORMAL/SHARP" for the more crowded conditions existing in most of the shortwave ranges. Note that as the receiver is made more selective, the background noise and interference from nearby stations is reduced. The setting of the selectivity control is generally best determined by receiving conditions, using just enough selectivity to isolate the desired stations. The "CRYSTAL/BROAD" position may be used when the frequency of reception is extremely congested.

This control may be set at "NOR-MAL/MED." OR "NORMAL, SHARP" for the reception of code stations not suffering local interference. Congested receiving conditions may be handled by increasing selectivity, switching to one of the three crystal positions for the degree of selectivity required. Note that in the crystal position the tuning of the receiver changes, i.e. the desired station will be very loud on one size of zero beat and very weak (crystal slot) on the other side.

SENSITIVITY control - Normally set maximum clockwise. Local high powered stations may overload the receiver, showing up as distortion, hence conditions may require that this control be turned counter-clockwise to reduce the sensitivity of the receiver accordingly.

The receiver sensitivity must be controlled manually for code reception, hence the SENSITIVITY control must be advanced just enough to keep the code stations from blocking the receiver.

TONE control -

Normally set at "HI-FI" or "BASS" for AM or FM entertainment purposes. The "LOW" and "MED." positions will be found desirable when listening on the shortwave bands.

Normally set at "LOW" or 'MED." for code reception.

USE OF THE CALIBRATING CRYSTAL - A built-in secondary frequency standard and adjustable dial pointer permits accurate frequency calibration over any portion of the receiver dial. Three degrees of dial calibration accuracy may be had as follows:

- General Dial Indexing Run the dial pointer down to the left hand end of the dial scale, turning the TUNING knob until the left hand dial stop is reached. Line up the dial pointer with the index line using the small POINTER RESET knob located to the left of the dial escutcheon.
- 2. Average Dial Calibration Index the dial pointer as described above. Set the CALIB. XTAL switch at "CALIB. XTAL", RECEPTION switch at CW, and tune the receiver to zero beat with the calibrating oscillator signal, i.e. the pitch of the whistle or beat note will pass through zero cycles at the exact center of the marker signal. The oscillator signals will be found at multiples of 500 kilocycles on the lower 5 dial scales, i.e. 1000 kc and 1500 kc; 2 mc, 2.5 mc, 3 mc etc.; 5 mc, 5.5 mc, 6 mc, etc.; 15 mc, 15.5 mc, 16 mc, etc.; or 27 mc, 27.5 mc, 28 mc, etc. After setting the TUNING control for zero beat, center the dial pointer exactly on the half-megacycle dial division. For best results, the receiver sensitivity must be held to a minimum while making calibration adjustments.
- 3. Precise Dial Calibration To obtain a precise dial calibration the procedure outlined above should be repeated for the particular section of the dial in use rather than merely checking calibration at either end of the dial scale. Since the calibration signals appear every 500 kc along the dial, a calibration point may easily be obtained on either side of the frequency of reception at any point along the dial.

After calibrating the receiver dial with the calibrating crystal, the oscillator is switched OFF and the RE-CEPTION switch returned to the desired setting for normal reception.

RECORD PLAYER OPERATION - With a record player connected to the receiver it is merely necessary to set the RECEPTION control at PHONO and operate the VOLUME and TONE controls as for normal radio reception.

CAUTION - The receiver will not respond if the RECEIVE/STANDBY switch is set at "STANDBY". The setting of the remaining controls, except those mentioned above, is immaterial as they are not in use for record player operation.

MULTIPLEX OUTPUT - A jack, located at the rear panel, permits operation into any standard high fidelity system.

be used with a multiplex adapter and stered system for weepfing of stered brad asts, in the FM band.

HEADPHONE RECEPTION - A headset jack, located at the front panel, provides for headphone reception. Insertion of the headset plug disables the speaker. Any high impedance headset, magnetic or crystal, will work with the receiver.

SERVICE

TUBE REPLACEMENT - The types of tubes required and their relative position in the receiver are shown in the illustration, Fig. 5. When installing a replacement tube, insert the center guide pin into the center hole of the tube socket; rotate the tube until the key on the guide pin drops into the notch in the socket hole; and push down until the base of the tube rests firmly on the socket. A slightly different technique must be used on the miniature tubes. They have seven small pins which have to be lined up with the socket holes before pushing into place. Handle with care as all tubes are considered fragile and do not tolerate much mechanical abuse.

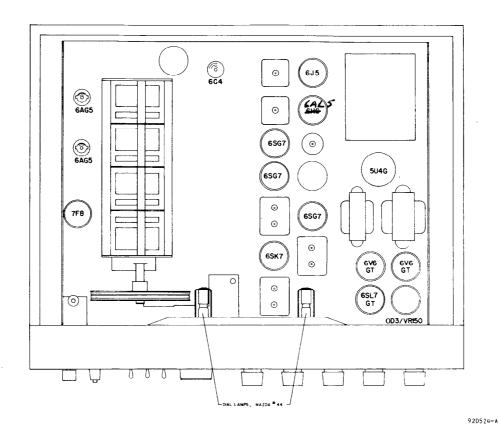


Figure 5. Top View Showing Location of Tubes and Dial Lamps

DIAL LAMP REPLACEMENT - Refer to Fig. 5 for the location of the dial lamps used in the receiver. To gain access to defective lamps, open the cabinet cover, remove the light shield (four screws) and unclip the dial lamp socket by compressing the side springs. The socket may then be brought out into the open to change the defective lamps. Replace all lamps with 6-8 volt Mazda No. 44 (blue bead) or equivalent.

SERVICE OR OPERATING QUESTIONS - For further details regarding operation or servicing of the receiver, contact your dealer. Make no service shipments directly to the factory before first writing for authorization and instructions.

The factory cannot accept responsibility for unauthorized shipments.

The Hallicrafters Co. reserves the privilege of making revisions in current production of equipment and assumes no obligation to incorporate these revisions in earlier models.

POSITIONING CONTROL KNOBS

BAND SELECTOR . . . As required by flat on shaft SELECTIVITY. . . As required by markings VOLUME Set at 10 for full clockwise rotation

TONE..... As required by markings SENSITIVITY... Set at 10 for full clockwise rotation RECEPTION As required by markings

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RESTRINGING DIAL CORD

Restring the tuning capacitor drive with a 45 inch length of 30 lb. test dial cord. Tie one end of the cord to the tension spring at position A and follow the stringing sequence A through J as shown. At position J stretch the tension spring and tie the cord securely to the spring. Note that the dial cord is wrapped around the tuning drive shaft two and three-quarters times for proper traction.

Restring the dial pointer drive with a 75 inch length of 30 lb. test dial cord. Tie one end of the cord to the tension spring at position 1 and follow the stringing sequence 1 through 12 as illustrated. At position 12 stretch the tension spring and tie the cord securely.

Index the dial pointer by setting the tuning gang at maximum capacity, the RESET control in the middle of its range, and aligning the pointer with the left hand dial index marker.

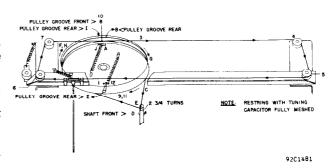


Figure 6. Dial Cable Stringing Procedure

ALIGNMENT PROCEDURE

IF AMP ALIGNMENT (455 kc) - Set the controls as follows:

BAND SELECTOR 550/1620 kc range
RECEIVE/STANDBY switch. RECEIVE
CALIB. XTAL switch . . . OFF
NOISE LIMITER switch . . OFF
SENSITIVITY control Near Maximum
Set tuning dial pointer at approximately 1,000 kc.

Connect high side of signal generator through an 0.1 mfd. capacitor to pin #1, of the 7F8 converter tube. With signal generator set at approximately 455 kc align slugs S-1, 3, 5, 10, 12 and 14 for maximum output.

Set RECEPTION control at CW and adjust slug S-8 for a 1,000 cycle note.

Set the SELECTIVITY control at CRYSTAL/BROAD. While slowly turning slug S-10 in one direction across the resonant setting obtained above, "rock" the signal generator tuning and observe the dip in the output meter reading as the adjustment passes through the response of the crystal filter. The correct setting of the slug S-10 is in the center of the observed dip. Set the signal generator at the weaker of the two responses obtained on either side of zero beat and adjust the crystal phasing trimmer C-57 for the null.

Set the SELECTIVITY control at CRYSTAL/SHARP and with trimmer C-61 set near minimum capacity, slowly increase its capacity while "rocking" the signal generator and adjust for maximum output. It may be necessary at this point to reduce the signal generator input and the receiver sensitivity to prevent overloading. After peaking the adjustment turn the trimmer in until a drop in output of about 2 db occurs. At this point the sharp crystal will have very good selectivity without sacrificing too much gain.

Tune the signal generator to exact crystal frequency and note output meter reading. Set the SELECTIVITY control at CRYSTAL/BROAD and note the drop in output, and output meter reading. Now switch to CRYSTAL/MEDIUM and with trimmer C-60 near minimum capacity, slowly increase its capacity, while "rocking" the signal generator, until the output meter indicates about midway between the output readings obtained in sharp crystal and broad crystal position.

Set the SELECTIVITY control at CRYSTAL/SHARP and reset signal generator for the exact crystal frequency. Switch to NORMAL/SHARP and reset slugs S-1,3,5 12,14 and trimmer C-58 for maximum output.

Set the RECEPTION control at CW and adjust the BFO slug S-8 for zero beat.

IF AMP. ALIGNMENT (10.7 mc) - Set the controls as follows:

Connect the high side of the signal generator through an 0.1 mfd. capacitor to pin #1 of the 7F8 converter tube. Set signal generator at 10.7 mc and adjust slugs S-4,6.9,13 and 15 for maximum output. Now set slugs S-2 and S-11 for maximum output but do not readjust slugs S-4 6.9, 13 and 15.

Set RECEPTION control at CW and adjust slugs S-17 for zero beat.

Set RECEPTION control at FM and adjust slug S-16 for maximum output. Now set Slug S-7 for the null or minimum output as indicated on the output meter. Check the discriminator by slowly tuning the signal generator through 10.7 mc and observe the two maximum audio level readings on the output meter. If the two peaks are equal the job is done; if not it may be necessary to reset Slug S-16 until a reasonable balance is obtained.

RF AMP ALIGNMENT

After completing the alignment of the IF amplifier stages the RF amplifier stages may be aligned according to the following chart. Connect the high side of the signal generator to terminal A-1 through the dummy antenna specified and connect a jumper between antenna terminal A-2 and GND. Use just enough signal generator output to obtain a 500 milliwatt audio output level for best results.

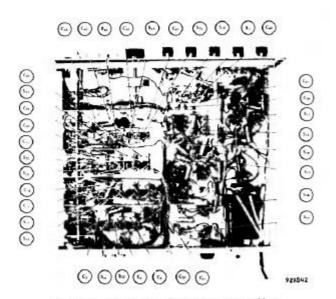


Figure 7. Alignment Adjustments, Bottom View

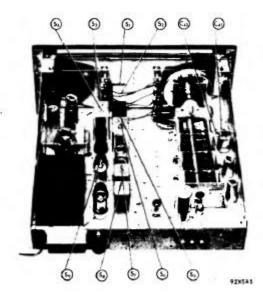
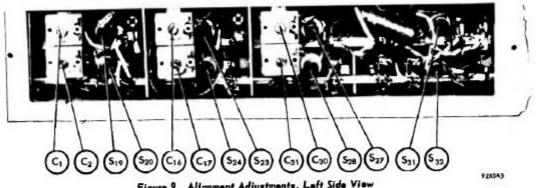


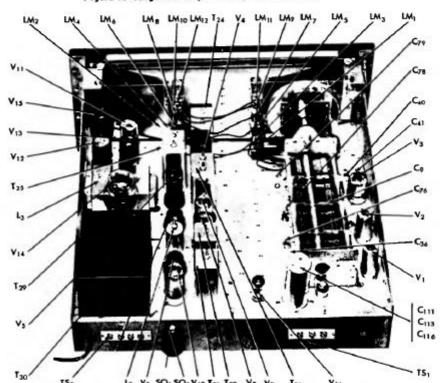
Figure 8. Alignment Adjustments, Top View

ALIGNMENT CHART

Dummy Antenna	Signal Generator Frequency	Band Selector Range	Radio Dial Setting	Adjust	Remarks
RMA	1500 kc	550-1600 kc	1500 kc	C-47*, 6, 21, 35	Adjust for max, output
	600 kc		600 kc	S-36*	
RMA	4.5 mc	1.62-4.9 mc	4.5 mc	C-45*, 20,34	Adjust for max. output
	2.0 mc		2.0 mc	S-35*	
RMA	14.0 mc	4.9-15 mc	14.0 mc	C-43*, 4, 19, 33	Adjust for max. output
	7.0 mc		7.0 mc	S-34*, 22, 26, 30	
RMA	28 mc	15-32 mc	28 mc	C-42*, 3, 18, 32	Adjust for max. output
	18 mc		18 mc	S-33*, 21, 25, 29	
300-ohm non-	50 mc	27-56 mc	50 mc	C-41*, 2, 17, 31	Adjust for max. output
inductive resistor	30 mc		30 me	S-32*, 20, 24, 28	
300-ohm non-	105 mc	54-109 mc	105 mc	C-40*, 1, 16, 30	Adjust for max. output
inductive resistor	60 mc		60 mc	8-31*, 19, 23, 27	

Note - Calibration adjustment.
 Note - The standard RMA dummy antenna mention in the alignment chart consists of a 200 mmf condenser in series with a 20 uh r-f choke which is shunted by a 400 mmf condenser in series with a 400 ohm carbon resistor.





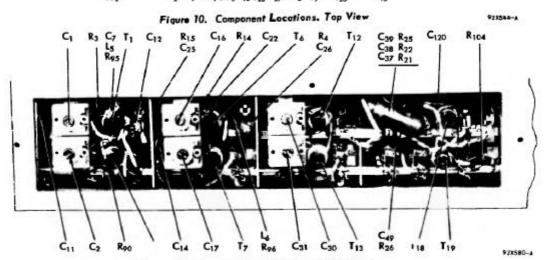
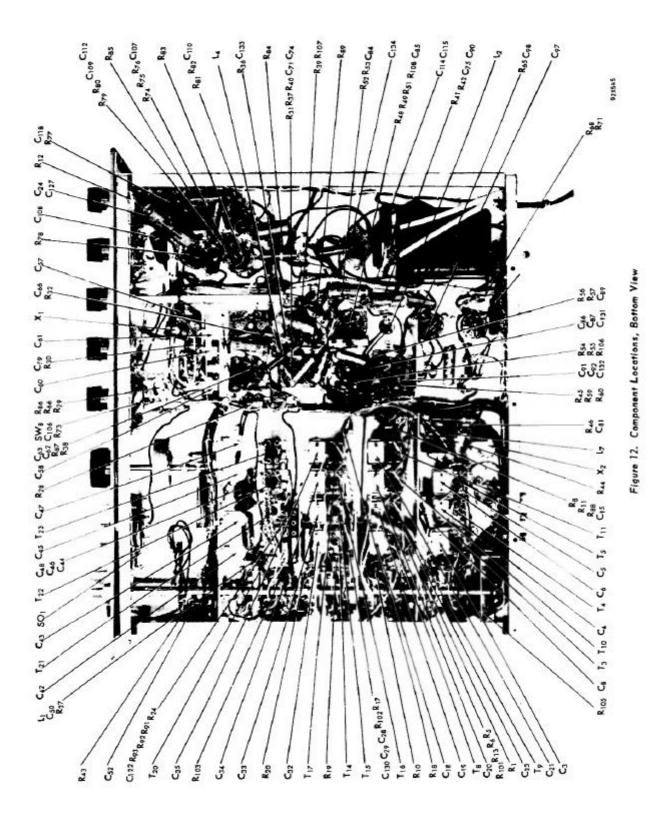
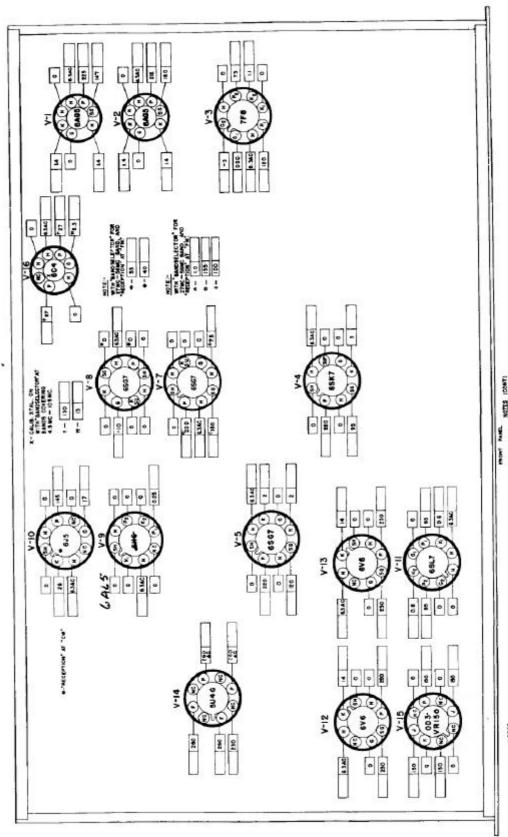


Figure 11. Component Locations, Left Side View

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Page 12



A. CORTHOL, BITTING-UALIES STOCKED THAN SELECTION AT SAND I. "SCOTTON AT SAND I. "CALIN ATAL AT "OFF" "WEGGIVET STANDAY AT "NEGGIVE" "WEGGIVET" AT MAXIMUM SAN

THE BLANK SPECES ARE PROVIDED FOR THE SERVICEMAN.
FILL IN THE GATLAL READING SHE WITH YOUR OWN COUNTERT.
FILL IN TOUR DAY AND SHEEM ON UNCO FOR THESE MEASUREMENTS. TALE NOTICE AND BOTTOM WE'N'S

EAL VOLTAGE REACHES REWING THEE SOCIET TERMINES AND SHOUND.

EAL VOLTAGES BROWN AND USE UNLESS OTHERWISE SECRETOR

A.L. VOLTAGES SHOWN WE'NE MEAN SHOUND WHY A 20,000 DHAVYOLT WETTER.

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I. M.C. — NO COMISSION.

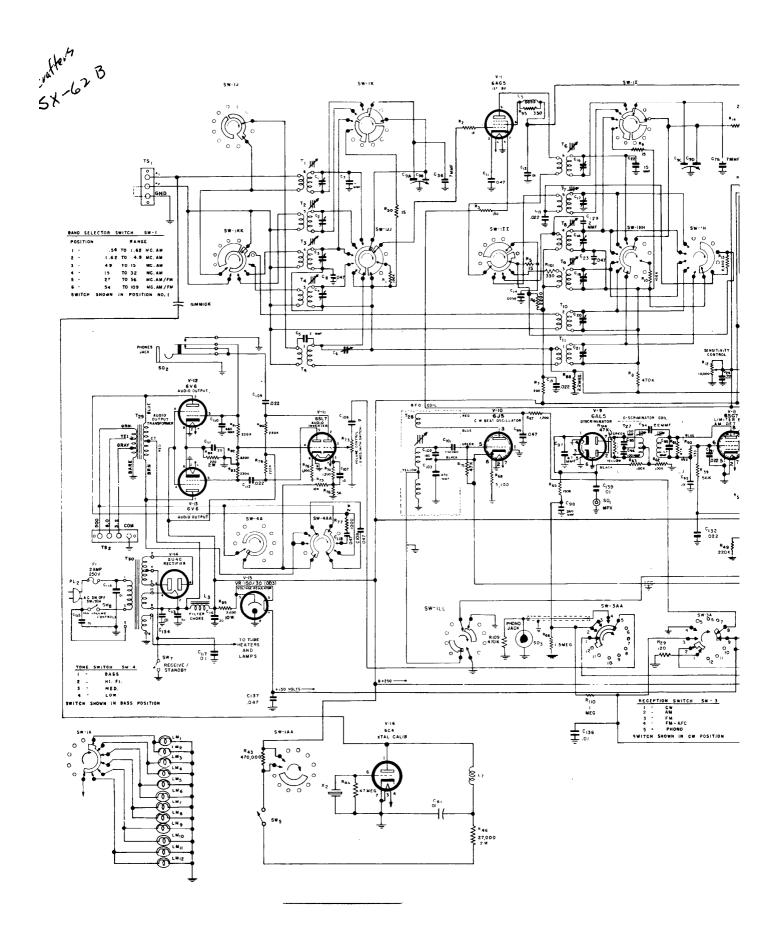
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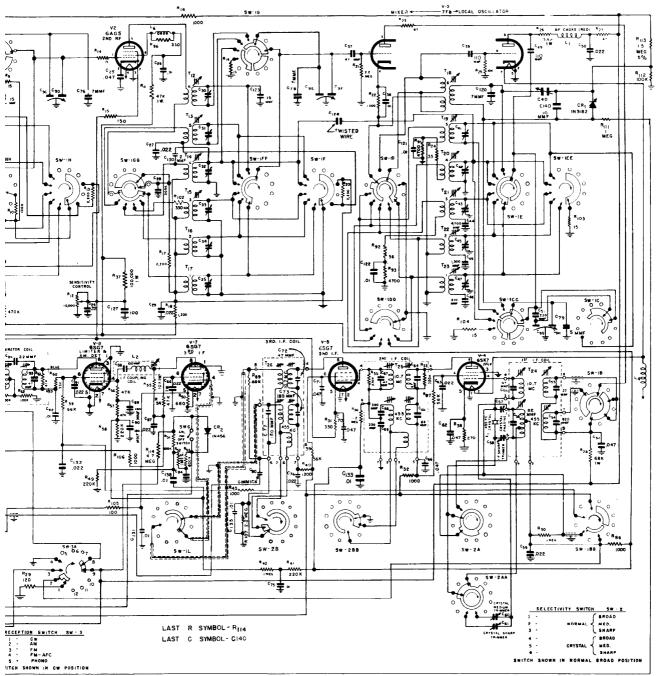
I. M.C. — NO

Figure 13. Tube Socket Voltage Chart

SERVICE PARTS LIST

Schematic Symbol	Description	Hallicrafters Part Number	Schematic Symbol		Hallicrafters Part Number	Schem Symbo		Iallicrafters Part Number
	CAPACITORS			*RESISTORS (Cont)			TRANSFORMERS AND COILS	(Cont)
			R26 5.6K o	ohms, i watt	451-352562		Transformer, FM detector	050-300191 050-300655
antenna,	rs, adjustable; 2 section RF amp, and mixer	; 044-200165	R27 470 of	nms 20% hms, 1 watt	451-253471 451-352683 451-252121	T29 T30	Transformer, BFO Transformer, audio output Transformer, power; 115V.	055-300133 052-300141
stages C3.4.18.19,20,	21,32,33,34,35		R30,42,52		451-253105		50/60 cycles RF choke (coded red)	053-200008
Part of t	transformers T3,4,5,8,		1 meg R31,80	ohm 20%		L2	IF coupling coil	053-200104 056-200067
respecti	14,15, and 17 ively		330 oh	ms egohms	451-252331 451-252125		Choke, filter RF choke; filament	053-100009
C5,129,130	f. 500V., bakelite	047-100180-04	R37 100K	ohms, 1 watt	451-352104	L5,8	RF choke; screen (wound on R95 & R98)	053-100117
C7.79			R38 270 of R39,59,87	hms	451-252271	L7	RF choke; plate	053-100139
5 mmf. 5	500V., ceramic	491-002050-95	56K o	hms	451-252563		TUBES AND LAMPS	
.047 mfc	d. 200V., molded tubular	499-014473 048-300204	R41,49,58,7 220K		451-252224			090-900791
C9 Capacito C13 15.27.29 5	or, main tuning 50,59,63,74,86,87,91,	040-300204	R44,114		451-252475	V1,2	Type 6AG5, 1st and 2nd RF amp- lifiers	090-900791
109 112 132	d. 600V., molded tubular	499-031223	4.7 m R46 27K c	egohms ohms, 2 watts	451-552273	V 3	Type 7F8, oscillator/mixer Type 6SK7, 1st 1F amplifier	090-901145 090-901233
.022 mic	a. 600v., morded tuburar		R50 880 o	hms	451-252681 451-252824	V4 V5	Type 8SG7, 2nd IF amplifier	090-901181
5600 mn C22,123	mf. 500V., mica	470-514582	R53 820K R55 10K c	hms, 1 watt	451-352103	V7,8	Type 6SG7, 3rd IF amplifier & AM detector	090-901181
15 mmf.	. 500V., ceramic	491-006150-95	R56,57,71,9		451-252473	V 9	Type 6AL5; discriminator	090-901183
C23,62,70,84	d. 200V., molded tubular	499-011473	47K o		451-252154	V10	Type 6J5, BFO Type 8SL7GT, phase inverter	090-901141 090-901219
C24 .22 mfd.	. 200V., molded tubular	499-011224	R66 1.5 n R66 5.1K	negohms ohms, 5%	451-252155 451-251512	V 12,	13	
C36,76,78,120	500V., ceramic	491-008070-95	R73 Varia	ible; Volume Control	025-100549		Type 8V8GT, AF power am- pitfier	090-901221
C37,97		470-213470	R76,92 56 off	ims	451-252580	V14	Type 5AU4G, rectifier	090-900719 090-901234
47 mmi, C12,26,38,75,8	, 500V., mica 81,92,106,114,115,117,	470-210410	R77 1K ol	nm, 2 watts	451-552102 451-252822		Type OD3/VR150, voltage regulator	030-301234
121,122,131,	,,133,134,135	499-031103	R84 220 c	ohms ohms, 2 watts	451-552221	V16	Type 8C4, calibration oscillator	090-900830
C39,49	, 600V., molded tubular		R85 2K ol	hms, 5%, 10 watts; WW negohms 20%	453-061202 451-253225	LMI	.2,3,4,5,6,7,8,9,10,11,12 Lamp, pilot; 8-8V	039-100003
110 mfd C40,41,57	i. 500V., ceramic	491-025111-95	R89 68K		451-252883		SWITCHES	
Trimme	er, adjustable; oscillator	044-100078	R91,93	ohms	451-252472			
section phasing	bands 5 and 8; crystal		R101,102			SW1 SW2	Switch, BAND SELECTOR Switch, SELECTIVITY	060-400329 060-100234
C42 Trimme	er, adjustable; oscillator	044-100347	R105 100 d	ohms 20%	451-253331 451-252101	SW3	Switch RECEPTION	060-002673 060-300236
section, C43,45	, band 4		R110.111		451-252105	SW4 SW5	Switch, TONE 6.7	
Trimme	er, adjustable; oscillator	044-100077	R112 100K	gohms ohms	451-252104		Switch, toggle; SPST	060-100138
Section, C44 4700 mi	bands 2 and 3 mf. 2%, 500V., silver	470-521472	R113 1.5 1	negohms, 5%	451-251155	SW8	Switch, power (part of volume control R73)	
mica			* * * * D - = (-	stors are 10%, 1 2 watt, o				
C46 1500 mi	mf. 2%, 500V.,silver	470-421152			carbon type un-		PLUGS AND SOCKET	S
mica	•			rwise noted.		PL2	Plug and cord, power	S 087-100078
mica C47 Trimme section	er, adjustable; oscillator band l	044-100076				SO2	Plug and cord, power Jack, PHONE	087-100078 036-200004
mica C47 Trimme section C48 470 mm C51 220 mm	er, adjustable; oscillator band 1 nf. 2½, 500V., silver mic nf. 2%, 500V., silver mic	044-100076	less other	rwise noted. TRANSFORMERS AND one of the control o			Plug and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp	087-100078 036-200004 038-100041 086-200073-01
mica C47 Trimme section C48 470 mm C51 220 mm C52,68,71,99,	er, adjustable; oscillator band 1 nf. 2%, 500V., silver mic af. 2%, 500V., silver mic 108,118,137	o44-100076 a 470-231471 a 470-341221	less other T1 Tran band	TRANSFORMERS AND safermer, antenna stage;	COILS	SO2	Plug and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded	087-100078 036-200004 038-100041 086-200073-01 006-200296
mica C47 Trimme section C48 470 mm C51 220 mm C52,68,71,99, .047 mfc C58,60,61	er, adjustable; oscillator band 1 nf. 2%, 500V., silver mic nf. 2%, 500V silver mic 108,118,137 d, 800V molded tubular	o44-100076 a 470-231471 a 470-341221 499-031473	T1 Tranband T2 Tranband	TRANSFORMERS AND stage; 18 stormer, antenna stage; 18 stormer, antenna stage; 15	051-200829 051-200828	SO2	Plug and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; mica	087-100078 036-200004 038-100041 086-200073-01 006-200296 008-100223
mica C47 Trimme section C48 470 mm C51 220 mm C52,68,71,99, .047 mfe C58,60,61 Trinime	er, adjustable; oscillator band 1 f. 2%, 500V., silver mic d. 2%, 500V. silver mic 108,118,137 d. 800V., molded tubular er, adjustable; crystal	o44-100076 a 470-231471 a 470-341221	T1 Train band T2 Train band T3 Train band	rwise noted, TRANSFORMERS AND asformer, antenna stage; 8 stformer, antenna stage; 15 stformer, antenna stage; 14	051-200829 051-200828 051-200990	SO2	Ping and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded	087-100078 036-200004 038-100041 086-200073-01 006-200295 008-100223
mica Trimm section C48 470 mm C51 220 mm C52, 68, 71, 99, 047 mfc C58, 80, 61 Trimm phasing C89, 90	er, adjustable; oscillator band 1 ft. 2%, 500V., silver mic ft. 2%, 500V., silver mic 1.08, 118, 137 d. 800V., molded tubular er, adjustable; crystal	044-100076 a 470-231471 a 470-341221 499-031473 044-200164	T1 Trai band T2 Trai band T3 Trai band T3 Trai band T4 Trai	rwise noted. TRANSFORMERS AND of the stage; 18 stormer, antenna stage; 15 stormer, antenna stage; 15 stormer, antenna stage; 14 stormer, antenna stage; 14 stormer, antenna stage;	051-200829 051-200828	SO2	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal	087-100078 036-200004 038-100041 086-200073-01 006-200296 008-100223 008-100266 006-100292
mica C47 Trimme section C48 470 mm C51 220 mm C52,68,71,99, .047 mf C58,80,61 Trimme phasing C89,90 180 mm C98 580 mm	er, adjustable; oscillator band 1 f. 2%, 500V., silver mic fl. 2%, 500V. silver mic fl. 2%, 500V. silver mic fl. 801V., modded tubular er, adjustable; crystal fl. 500V., mica fl. 500V., mica	470-231471 470-341221 499-031473 044-200164 470-213181 470-313561	T1 Train band T2 Train band T3 Train band T4 Train band T5 Train	rwise noted. TRANSFORMERS AND hisformer, antenna stage; 8 es sformer, antenna stage; 15 hisformer, antenna stage; 14 hisformer, antenna stage; 14 hisformer, antenna stage; 13 hisformer, antenna stage; 13 hisformer, antenna stage; 13 hisformer, antenna stage; 15 hisformer, antenna stage; 15 hisformer, antenna stage; 16 hisformer, antenna stage; 17 hisformer, antenna stage; 18 hisformer, ant	051-200829 051-200828 051-200990	SO2	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dal lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin	087-100078 036-200004 038-100041 086-200073-01 006-200295 008-100223 008-100266 006-100292
C47 Trimms section C48 470 mm C51 220 mm C52,88,71,99, 047 mf C58,80,61 Trimm phasing C89,90 180 mm C98 580 mm C107 10 mfd.	er, adjustable; oscillator band 1 nf. 2%, 500V., silver mic nf. 2%, 500V. silver mic nf. 2%, 500V. silver mic nf. 108,118,137 d. 800V., molded tubular er, adjustable; crystal nf. 500V., mica nf. 500V., mica nf. 500V., mica 25V., electrolytic	470-231471 499-031473 044-200164 470-313561 045-200121	T1 Tran band T2 Tran band T3 Tran band T4 Tran band T5 Tran band T5 Tran band	rwise noted. TRANSFORMERS AND insformer, antenna stage; 8 15 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	051-200829 051-200828 051-20090 051-200826 051-200823 051-200823	SO2	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal	087-100078 036-200004 038-100041 086-200073-01 006-200296 008-100256 006-100250
mica C47 Trimm Section C48 470 mm C51 220 mm C52,88,71,99, .047 mf C58,80,61 Trimm phasing C89,90 180 mm C10 580 mm C110 680 mm C111,13,116	er, adjustable; oscillator band 1 nf. 2%, 500V., silver mic nf. 2%, 500V., silver mic 108,118,137 d. 800V., molded tubular er, adjustable; crystal nf. 500V., mica nf. 500V., mica 25V., electrolytic nf. 500V., mica	470-231471 499-031473 044-200164 470-213181 470-213181 470-213561 045-100121 470-313881	TI Tran band T2 Tran band T3 Tran band T4 Tran band T5 Tran band T6 Tran T7 Tran	rwise noted. TRANSFORMERS AND instrumer, antenna stage; 18 insformer, antenna stage; 15 insformer, antenna stage; 14 insformer, antenna stage; 14 insformer, antenna stage; 18 insformer, antenna stage; 11 insformer, RF stage; band 6 insformer, RF stage;	051-200829 051-200828 051-200990 051-200826 051-200823 051-200833 051-200832	SO2 SO3	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dal lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg.	087-100078 038-200004 038-100041 086-200073-01 006-200296 008-100223 006-100250 006-100250 006-001122
mica C47 Trimm Section C48 470 mm C51 220 mm C52,88,71,99, .047 mf C58,80,61 Trimm phasing C89,90 180 mm C10 580 mm C110 680 mm C111,13,116	er, adjustable; oscillator band 1 f. 2%, 500V., silver mic fi. 2%, 500V. silver mic 108,118,137. d. 800V., molded tubular er, adjustable; crystal f. 500V., mica f. 500V., mica f. 500V., mica f. 500V., mica 1, 500V., mica 25V., 30-20 mfd. 450V.	470-231471 499-031473 044-200164 470-231381 470-213181 470-213181 470-313561 045-100121 470-313881 045-100041	Train	rwise noted, TRANSFORMERS AND hisformer, antenna stage; 10 hisformer, antenna stage; 15 hisformer, antenna stage; 14 hisformer, antenna stage; 13 hisformer, antenna stage; 11 hisformer, RF stage; band 6 hisformer, RF stage; band 5 hisformer, RF stage; band 5 hisformer, RF stage; band 4 hisformer, RF sta	051-200829 051-200828 051-200828 051-200826 051-200823 051-200823 051-200823 051-200823 051-200832 051-200832	SO2	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; molded bakelite Socket, miniature 7 pin; molded bakelite Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, 465 KC	087-100078 038-200004 038-100041 086-200073-01 006-200296 008-100223 008-100250 006-100292 006-100250 006-001122
mica section mica control mica section mica control mica	er, adjustable; oscillator band 1 f. 2%, 500V., silver mic fi. 2%, 500V. silver mic flos, 118, 137 d. 800V., molded tubular er, adjustable; crystal f. 500V., mica f. 500V., mica f. 500V., mica f. 500V., mica f. 500V., mica f. 50V., 200 mid. 450V. f. 25V., 30-20 mid. 450V.	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041	Train	rwise noted. TRANSFORMERS AND instrumer, antenna stage; 18 msformer, antenna stage; 15 msformer, antenna stage; 14 msformer, antenna stage; 14 msformer, antenna stage; 13 msformer, RF stage; band 6 msformer, RF stage; band 6 msformer, RF stage; band 4 msformer, RF stage; band 4 msformer, RF stage; band 4 msformer, antenna stage; 12	051-200829 051-200828 051-200828 051-200826 051-200826 051-200823 051-200833 051-200832 051-200839 051-200847 051-200855	SO2 SO3	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, miniature 7 pin; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Crystal, calibration; 500KC Clal cord (spectify length)	087-100078 036-200004 038-100041 086-200073-01 006-200295 008-100223 008-100292 006-100292 006-100250 006-001122 076-100403 019-10121 038-100026
mica section mica con tribute section mica con tribute section mic con tribute	er, adjustable; oscillator band 1 f. 2%, 500V., silver mic fl. 2%, 500V., silver mic fl. 2%, 500V., silver mic fl. 2%, 500V., silver mic adjustable; crystal fl. 500V., mica fl. 500V., silver fl. 500V., silver fl. 25V., electrolytic fl. 25V., electrolytic fl. 20%, 500V., ceramic	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354	Train	TRANSFORMERS AND INSTRUMENT, antenna stage; 8 insformer, antenna stage; 1 stormer, antenna stage; 1 stormer, antenna stage; 1 stormer, antenna stage; 1 insformer, antenna stage; 1 insformer, RF stage; band 6 insformer, RF stage; band 4 insformer, RF stage; band 4 insformer, RF stage; band 5 insformer, antenna stage; 12	051-200829 051-200828 051-20090 051-20090 051-200826 051-200823 051-200833 051-200832 051-200899 051-200899 051-200855	SO2 SO3	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, miniature 7 pin; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Tull scale (calibrated)	087-100078 036-200004 038-100041 086-200073-01 006-200295 008-100223 008-100256 006-100292 006-100250 006-001122 076-100403 019-101211 038-100026 082-300301 022-400215
mica section of the mica s	er, adjustable; oscillator band 1 f. 27, 500V., silver mic fl. 28, 500V., silver mic fl. 28, 500V., silver mic ilos, 118, 137 d. 800V., molded tubular er, adjustable; crystal fl. 500V., mica fl. 500V., silvet fl. 500V., electrolytic fl. 500V., ceramic fl. 500V., 600V., ceramic fl. 500V.	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354	Train	TRANSFORMERS AND INSTORMERS AND INSTORMER, antenna stage; 18 insformer, antenna stage; 18 insformer, antenna stage; 18 insformer, antenna stage; 18 insformer, antenna stage; 11 insformer, RF stage; band 6 insformer, RF stage; band 4 insformer, RF stage; band 5 insformer, mixer stage; 16	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200823 051-200832 051-200899 051-200989 051-200987 051-200825	\$02 \$03 X1 X2	Ping and cord, power Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, 455 KC Crystal, 455 KC Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N3182	087-100078 038-200004 038-100041 086-200073-01 006-200295 008-100223 008-100292 006-100292 006-100292 076-100403 019-100123 019-100123 019-100123 019-100123 019-100123 019-100123 019-100123 019-100123 019-100123
mica section of the mica s	er, adjustable; oscillator band 1 f. 2%, 500V., silver mic f. 2%, 500V., silver mic flos, 118, 137 d. 800V., molded tubular er, adjustable; crystal f. 600V., mica f. 500V., ceramic f. 20%, 500V., ceramic f. 20%, 500V., ceramic f. 480-20%, 600V., ceramic f. 500V., ceramic	470-231471 470-231471 470-341221 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100016 047-100354	Trans	rwise noted. TRANSFORMERS AND hisformer, antenna stage; 8 15 insformer, antenna stage; 15 15 insformer, antenna stage; 14 15 insformer, antenna stage; 14 15 insformer, antenna stage; 13 15 insformer, RF stage; band 6 insformer, RF stage; band 6 insformer, RF stage; band 6 insformer, RF stage; band 3 insformer, mixer stage; 16	051-200829 051-200828 051-20090 051-20090 051-200826 051-200823 051-200833 051-200832 051-200899 051-200899 051-200855	\$02 \$03 X1 X2	Ping and cord, power Jack, PHONE Jack, PHONO Socket, dal lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, 455 KC Crystal, 455 KC Crystal, albiration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N3182 Diode, Type 1N456 Escutcheon	087-100078 036-200004 038-100041 086-200073-01 006-200296 008-100223 008-100256 006-100292 006-001122 076-100403 019-101231 038-100026 082-300301 022-400215 019-002984 007-400078
mica section mica	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., silver mic 1, 2%, 500V. silver mic 1, 2%, 500V., molded tubular er, adjustable; crystal 3, 500V., mica 1, 500V., mica 2, 5V., electrolytic 1, 500V., mica 2, 5V., 30-20 mfd. 450V. lytic 4, 25V., electrolytic 5, 20%, 500V., ceramic 1, 480-20%, 600V., ceramic 5, 500V., ceramic 5, 500V.	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 nic 047-100217 491-002100-092	Train	rwise noted. TRANSFORMERS AND hisformer, antenna stage; 8 stage; 15 stage; 15 stage; 16 stage; 18 stage; 19 stage; 10 stage; 10 stage; 11 stage; 12 stage; 13 stage; 14 stage; 15 stage; 16 stage; 17 stage; 18 stage; 18 stage; 19 stage; 19 stage; 19 stage; 19 stage; 10 stage; 11 stage; 12 stage; 13 stage; 14 stage; 15 stage; 16 stage; 16 stage; 17 stage; 18 stage; 18 stage; 19 stage;	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200823 051-200832 051-200899 051-200989 051-200987 051-200825	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, miniature 7 pin; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Tull scale (calibrated) Diode, Type 1N3182 Diode, Type 1N456 Escutcheon Flywheel, dial drive	087-100078 036-200004 038-100041 086-200073-01 006-200256 008-100223 006-100292 006-100250 006-001122 076-100403 019-101211 038-100026 082-300301 022-400215 019-002384 007-1000178
mica section mica	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., silver mic 1, 2%, 500V., silver mic 1, 2%, 500V., motded tubular er, adjustable; crystal 4, 500V., mica 1, 500V., mica 2, 5V., electrolytic 1, 500V., mica 2, 5V., 30-20 mfd. 450V. lytic 4, 25V., electrolytic 5, 20%, 500V., ceramic 4. 880-20%, 600V., ceramic 5, 500V., ceramic 5, 500V., ceramic 8. RESISTORS	470-231471 470-231471 470-341221 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100016 047-100354	Train	TRANSFORMERS AND INSTORMERS AND INSTORMER, antenna stage; 18 ms of the stage; 18 ms of	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200832 051-200899 051-200899 051-200899 051-200844 051-200825	\$02 \$03 X1 X2	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, miniature 7 pin; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, cotal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, dail scale & window mtg. Crystal, dispectify length) Dial pointer Tull scale (calibrated) Diode, Type 1N3182 Diode, Type 1N456 Escutcheon Flywheel, dial drive Fuse, 2 amp, 250V; type 3AG Fuse holds.	087-100078 036-200004 038-100041 086-200073-01 006-200256 008-100223 008-100256 006-100292 006-001122 076-100403 019-100123 019-101211 038-100026 082-300301 022-400215 019-002984 007-400078 071-100178 039-100428 008-100451
mica section C48 470 mm C51 220 mm C51 220 mm C52 68 71,99 .047 mf C58,80,61 Trinimphassing C89,90 180 mm C107 10 mfd. C10 680 mm C111,113,116 .20 mfd. C121 100 mfd C138,135 .01 mfc C140 10 mm R1,10,51 .00 mm R1,10,51 .00 mm R1,10,51 .00 mfd R2 12 12 ohm R3,15	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic af, 2%, 500V., silver mic af, 2%, 500V., silver mic 108,118,137 d., 800V., moded tubular er, adjustable; crystal silver, adjustable; cryst	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 nic 047-100217 491-002100-092	Trans	TRANSFORMERS AND INSTORMERS AND INSTORMER, antenna stage; 18 insformer, RF stage; band 6 insformer, RF stage; band 3 insformer, antenna stage; 12 insformer, RF stage; band 3 insformer, antenna stage; 18 insformer, RF stage; band 3 insformer, antenna stage; 18 insformer, mixer stage;	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200832 051-200899 051-200899 051-200844 051-200844 051-200844 051-200899	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, miniature 7 pin; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Tula scale (calibrated) Diode, Type 1N3182 Diode, Type 1N3182 Diode, Type 1N456 Escutcheon Flywheel, dial drive Fuse, 2 amp, 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING	087-100078 036-200004 038-100041 086-200073-01 086-200073-01 008-100223 008-100256 006-100292 006-100250 006-001122 076-100403 019-100123 019-101211 038-100026 082-300301 022-400078 019-002984 007-400078 071-100178 039-100428 008-100451 015-001593
mica section C48 470 mm C51 220 mm C51 220 mm C52 68 71,99 .047 mf C58,80,61 Trinmm phasma C107 10 mfc. C110 680 mm C111,113,116 20 mfc. C127 100 mfc. C138,133 mfc. C140 10 mm R1,10,51 100K of R2 12 0 hm R3,15 150 ohr R4,54	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., silver mic 108,118,137 d, 800V., moded tubular er, adjustable; crystal (1, 500V., mica nd. 500V., ceramic nd. 25V., 30-20 mfd. 450V. lytic nd. 25V., electrolytic nd. 25V., electrolytic nd. 25V., electrolytic nd. 25V., ceramic nd. 480-20%, 600V., ceramic nd. 480-20% 600V., ceramic nd. 500V., ceramic nd. 5	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-10016 047-100354 nic 047-100217 491-002100-092 451-252120 451-252151	Tess othe Ti	rwise noted. TRANSFORMERS AND in stormer, antenna stage; 18 insformer, antenna stage; 15 insformer, antenna stage; 14 insformer, antenna stage; 14 insformer, antenna stage; 13 insformer, antenna stage; 11 insformer, RF stage; band snsformer, RF stage; 12 insformer, mixer stage; 15 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 13 insformer, mixer stage; 13 insformer, mixer stage; 14 insformer, mixer stage; 13 insformer, mixer stage; 14 insformer, mixer stage; 13 insformer, mixer stage; 13 insformer, mixer stage; 14 insformer, mixer stage; 15 insformer, mixer stage; 15 insformer, mixer stage; 16 insformer, mixer stage; 17 insformer, mixer stage; 18 insformer, mixer stage; 18 insformer, mixer stage; 19 insformer, mi	051-200829 051-200828 051-20090 051-20090 051-200826 051-200823 051-200832 051-200893 051-200897 051-200825 051-200825 051-200824 051-200844 051-200899 051-2008989 051-200888	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Ping and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; molded bakelite Socket, miniature 7 pin; molded Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N3182 Diode, Type 1N488 Escutcheon Flywheel, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING	087-100078 038-200004 038-100041 088-200073-01 008-20073-01 008-100223 008-100292 006-100292 006-100292 006-100250 006-001122 076-100403 019-100123 019-101211 038-100026 082-300301 022-400215 019-003316 019-002984 007-400078 071-100178 038-100428 008-100451 015-001593
mica section C48 470 mm C51 220 mm C51 220 mm C52 68,71,99, 047 mf C58,80,61 Trinnm phasing C89,90 180 mm C107 10 mfd. C10 680 mm C111,113,116 electro C127 100 mfd C138,139 .01 mfd C138,139 .01 mfd C140 10 mm C11,113,116 .11 mfd C138,139 .13 .15 .10 kg 21 20 mm C11,113,114 .15 .10 kg 21 20 mm C140 10 mm C14	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., moded tubular er, adjustable; crystal 3, 500V., mica 6, 500V., mica 7, 500V., mica 1, 500V., mica 1, 500V., mica 1, 500V., ceramic 1, 25V., 30-20 mfd. 450V. lytic 1, 20%, 500V., ceramic 1, 480-20%, 600V., ceramic 1, 500V., ceramic 1, 500V., ceramic 20%, 500V., ceramic 3, 480-20%, 600V., ceramic 8, 880-20%, silver mis 1, watt 0, 103, 104	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 410-047-100217 491-002100-092 451-252120 451-252151 451-352473	Trans T	rwise noted. TRANSFORMERS AND insformer, antenna stage; 8 insformer, antenna stage; 15 insformer, antenna stage; 14 insformer, antenna stage; 14 insformer, antenna stage; 13 insformer, antenna stage; 11 insformer, RF stage; band 6 insformer, RF stage; band 6 insformer, RF stage; band 6 insformer, RF stage; band 1 insformer, antenna stage; 12 insformer, mixer stage; 15 insformer, mixer stage; 15 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 15 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 15 insformer, mixer stage; 16 insformer, mixer stage; 17 insformer, mixer stage; 18 insformer, mixer stage; 18 insformer, mixer stage; 19	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200832 051-200899 051-200899 051-200844 051-200844 051-200844 051-200899	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Ping and cord, power Jack, PHONE Jack, PHONO Socket, detal; black molded Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; molded bakelite Socket, miniature 7 pin; molded bakelite Socket, miniature 7 pin; molded bakelite Socket, actal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N3182 Diode, Type 1N3182 Diode, Type 1N456 Escutcheon Flywheel, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, RECEPTION, SELECTIVITY, TONE, VOLUM	087-100078 036-200004 038-100041 086-200073-01 086-200073-01 096-200292 008-100223 008-100256 006-100292 006-100250 006-001122 076-100403 019-100123 019-101211 038-100026 082-300301 022-400215 019-002384 007-400078 039-100428 008-100451 015-001593
mica section mica section mica section mica section mic C48 470 mm C51 220 mm C52 88 71,99, 047 mf. C58 869,61 Trinning C89,99 song C89,99 song C69 580 mm C107 10 mm C107 10 mm C107 100 mf. C108 109 mf. C138 109 mf. C138 150 m	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., moded tubular er, adjustable; crystal 3, 500V., mica 6, 500V., mica 7, 500V., mica 1, 500V., mica 1, 500V., mica 1, 500V., ceramic 1, 25V., 30-20 mfd. 450V. lytic 1, 20%, 500V., ceramic 1, 480-20%, 600V., ceramic 1, 500V., ceramic 1, 500V., ceramic 20%, 500V., ceramic 3, 480-20%, 600V., ceramic 8, 880-20%, silver mis 1, watt 0, 103, 104	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-10016 047-100354 nic 047-100217 491-002100-092 451-252120 451-252151	Trans T	rwise noted. TRANSFORMERS AND insformer, antenna stage; 8 18 former, antenna stage; 15 18 former, antenna stage; 14 18 former, antenna stage; 14 18 former, antenna stage; 13 antenna stage; 13 former, RF stage; band 6 fosformer, RF stage; band 6 fosformer, RF stage; band 6 fosformer, RF stage; band 8 fosformer, mixer stage; 15 fosformer, mixer stage; 14 fosformer, mixer stage; 14 fosformer, mixer stage; 14 fosformer, mixer stage; 15 fosformer, mixer stage; 16 fosformer, mixer stage; 17 fosformer, mixer stage; 18 fosformer, mixer stage; 19 fosformer, mixer stage; 19 fosformer, mixer stage; 11 fosformer, oscillator stage; 15 fosformer, mixer stage; 11 fosformer, oscillator stage; 15 fosformer, oscillator stage; 15 fosformer, oscillator stage; 15 fosformer, oscillator stage; 16 fosformer, oscillator stage; 17 fosformer, oscillator stage; 18 fosformer, oscillator	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200823 051-200829 051-200825 051-200827 051-200827 051-200828 051-200828 051-200828 051-200844 051-200889 051-200889 051-200888 051-200886 051-200886	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, octal; black molded Socket, octal; black molded Socket, miniature 7 pin; mida Socket, miniature 7 pin; molded bakelite MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N3182 Diode, Type 1N3182 Diode, Type 1N365 Escutcheon Flywhed, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, RECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY control	087-100078 038-200004 038-100041 088-200073-01 008-200295 008-100293 008-100292 006-100292 006-100292 006-100292 006-100292 076-100403 019-100123 019-101211 038-100026 082-300301 022-400015 019-003316 019-002984 007-400078 071-100178 039-100428 008-100451 015-001593 015-001609 015-001609
mica section mica	er, adjustable; oscillator band 1 f. 27, 500V., silver mic f. 28, 500V., silver mic f. 28, 500V., silver mic flos, 118, 137 d. 800V., mica er, adjustable; crystal f. 500V., mica f. 500V., celectrolytic f. 50V., silver f. 500V., ceramic f. 500V	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 410-047-100217 491-002100-092 451-252120 451-252151 451-352473	Tess other	TRANSFORMERS AND instrumer, antenna stage; 18 ms instrumer, antenna stage; 15 ms instrumer, antenna stage; 15 ms instrumer, antenna stage; 14 ms instrumer, antenna stage; 14 ms instrumer, antenna stage; 11 ms instrumer, RF stage; band sistermer, mixer stage; 18 ms instrumer, mixer stage; 18 ms instrumer, mixer stage; 18 ms instrumer, mixer stage; 19 ms instrumer, mixer stage; 19 ms instrumer, mixer stage; 11 ms instrumer, oscillator stage; 11 ms former, mixer stage; 11 ms former, oscillator stage; 16 ms instrumer, oscillator stage; 18 ms instrumer.	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200823 051-200829 051-200825 051-200827 051-200829 051-200839 051-200844 051-200849 051-200889 051-200889 051-200889 051-200889	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octat; black molded Socket, octat; black molded Socket, miniature 7 pin; mida Socket, miniature 7 pin; mida Socket, miniature 7 pin; midded lakelite Socket, octat Socket, miniature 7 pin; midded lakelite MISCELLANEOUS Clip, dial scale & window mtg. Crystal, talibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N4182 Diode, Type 1N4185 Escutcheon Flywheel, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, RECEPTION, SELECTIVITY, TONE, VOLUM & SENSITUITY control Lock, line cord; female section Lock, line cord; female section	087-100078 036-200004 038-100041 086-200073-01 086-200296 008-100229 008-100225 008-100250 006-001122 076-100403 019-100121 038-100026 082-300301 022-400215 019-002364 007-400078 039-100178 039-100178 039-100178 039-100178
mica section C48 470 mm C51 220 mm C51 220 mm C52 68,71,99 C58,061 Trinnm phasing C107 10 mfd. C108 680 mm C111,113,116 20 mfd. clectro C127 100 mfd C138,19 C140 10 mm C11,113,116 51 100 mfd. C140 10 mm C11,113,116 51 100 mfd. C140 10 mm C14,115,116 51 100 mfd. C140 10 mm C14,115,116 51 100 mfd. C140 10 mm C14,115 0 mfd. C140 10 mm C14,115 0 mfd. C140 10 mm C140 100 mm C14	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., molded tubular er, adjustable; crystal silver, ad	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100160 047-100354 110 047-100217 491-002100-092 451-253104 451-252120 451-252151 451-352473 451-253150	Trans	TRANSFORMERS AND instrumer, antenna stage; 16 ms or mer, antenna stage; 15 ms or mer, antenna stage; 15 ms or mer, antenna stage; 14 ms or mer, antenna stage; 14 ms or mer, antenna stage; 14 ms or mer, antenna stage; 18 ms or mer, RF stage; band 6 ms or mer, RF stage; band 6 ms or mer, RF stage; band 6 ms or mer, RF stage; band 3 ms or mer, antenna stage; 12 ms or mer, RF stage; band 3 ms or mer, antenna stage; 18 ms or mer, mixer stage; 18 ms or mer, mixer stage; 18 ms or mer, mixer stage; 19 ms or mer, mixer stage; 11 ms or mer, mixer stage; 11 ms or mer, oscillator stage; 16 ms or mer, oscillator stage; 18 ms or mer, osc	051-200829 051-200828 051-20090 051-200826 051-200826 051-200823 051-200823 051-200829 051-200825 051-200827 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200889 051-200889 051-200889 051-200888	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dial lamp Socket, octal; black molded Socket, octal; black molded Socket, miniature 7 pin; molded bakelite Socket, actal Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Clial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N3182 Diode, Type 1N3182 Diode, Type 1N456 Escutcheon Flywheel, dial drive Fluse, 2 amp. 250V; type 3AG Fuse holder Knob, BADD SELECTOR OR TUNING Knob, POINTER RESET Knob, RECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY control Lock, line cord; male section Mounting foot; rubber	087-100078 036-200004 038-100041 086-200073-01 086-200296 008-100223 008-100250 006-100292 006-100250 006-001122 076-100403 019-10123 019-10123 019-10121 038-100026 082-300301 022-400215 019-002316 019-002384 007-400078 071-100178 039-100428 008-100451 015-001503 015-001609 015-001609 015-001801 E 078-000397-02 016-100029 028-30030111
mica section C48 470 mC C48 470 mC C52,68,71,99, 047 mf C58,60,61 Trinning C89,90 C107 10 mfd. C10 680 mm C111,113,116 C10 mfd. C10 680 mfd. C127 100 mfd. C138,139 .01 mfd. C138,139 .01 mfd. C140 10 mm. C140 10 mm. C140 10 mfd. C140,11,13,116 C140,11,13,116 C140,13,139 .01 mfd. C138,139 .01 mfd. C140,13,139 .01 mfd. C140,13,139 .01 mfd. C140,13,139 .01 mfd. C140,13,13,130 C140,13,13,13,13,13,13,13,13,13,13,13,13,13,	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., molded tubular er, adjustable; crystal 1, 500V., mica 1, 500V., mica 1, 500V., mica 1, 500V., mica 1, 500V., dectrolytic 1, 500V., ceramic 1, 500V., descriptions 1, 500V.,	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100160 047-100354 aric 047-100217 491-002100-092 451-253104 451-252120 451-253150 451-253150 451-253150 451-253122	Trans	rwise noted. TRANSFORMERS AND instrumer, antenna stage; 16 insformer, antenna stage; 18 insformer, antenna stage; 14 insformer, antenna stage; 14 insformer, antenna stage; 13 insformer, RF stage; band 6 insformer, RF stage; band 6 insformer, RF stage; band 6 insformer, RF stage; band 8 insformer, RF stage; band 1 insformer, insformer, antenna stage; 12 insformer, inser stage; 14 insformer, mixer stage; 13 insformer, mixer stage; 14 insformer, mixer stage; 12 insformer, inser stage; 14 insformer, inser stage; 15 insformer, oscillator stage; 16 insformer, oscillator stage; 15 insf	051-200829 051-200828 051-200828 051-200826 051-200826 051-200823 051-200823 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200889	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONO Socket, detal lamp Socket, octal; black molded Socket, octal; mica Socket, miniature 7 pin; mica Socket, miniature 7 pin; mided bakelite Socket, miniature 7 pin; mided bakelite Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Tull scale (calibrated) Diode, Type 1N3182 Diode, Type 1N3182 Diode, Type 1N456 Escutcheon Flywheel, dial drive Fuse, 2 amp, 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, POINTER RESET Knob, POEPTION SELECTIVITY, TONE, VOLUM & SENSITIVITY control Lock, line cord; male section Mounting foot; rubber Pulley, Assembly Shaft, general coverage dial	087-100078 036-200004 038-100041 086-200073-01 086-200295 008-1002295 008-1002292 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 008-100260 008-100260 009-10
mica section C48 470 mm C51 220 mm C51 220 mm C52 68 71,99, 047 mf C58,60,61 Trinnm phasing C89,90 mm C111,113,118 20 mm C117 100 mf C136 .01 mf C140 10 mm C11,113,118 .01 mf C140 10 mm C140,130,139 .01 mf C140 10 mm C140,130,139 .01 mf C140 10 mm C140,131,130 mf C131,17,20 .2.2K oh C131,131,17,20 .2.2K oh C131,131,131,17,20 .2.2K oh C131,131,17,20 .2.2K oh C131,131,131,17,20 .2.2K oh C131,131,17,20 .2.2K oh C131,131,131,131,131,131,131,131,131,131	er, adjustable; oscillator band 1 1, 2%, 500V., silver mic 1, 2%, 500V., molded tubular er, adjustable; crystal 1, 500V., mica 1, 500V., ceramic	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100160 047-100354 aic 047-100217 491-002100-092 451-253104 451-252120 451-253150 451-253150 451-253150	Trans	rwise noted. TRANSFORMERS AND instrumer, antenna stage; 16 nsformer, antenna stage; 18 insformer, antenna stage; 14 insformer, antenna stage; 14 insformer, antenna stage; 13 nsformer, antenna stage; 11 stormer, RF stage; band 6 nsformer, RF stage; band 6 nsformer, RF stage; band 4 nsformer, RF stage; band 5 nsformer, RF stage; band 5 nsformer, antenna stage; 12 nsformer, mixer stage; 14 nsformer, mixer stage; 15 nsformer, mixer stage; 13 nsformer, mixer stage; 14 nsformer, mixer stage; 12 nsformer, mixer stage; 14 nsformer, mixer stage; 15 nsformer, oscillator stage; 16 nsformer, oscillator stage; 16 nsformer, oscillator stage; 16 nsformer, oscillator stage; 14 nsformer, oscillator stage; 15 nsformer, oscillator stage; 15 nsformer, oscillator stage; 14 nsformer, oscillator stage; 15 nsformer, o	051-200829 051-200828 051-200828 051-200826 051-200826 051-200823 051-200823 051-200829 051-200825 051-200825 051-200824 051-200824 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200889 051-200889 051-200889	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octat; black molded Socket, octat; black molded Socket, octat; black molded Socket, miniature 7 pin; mida Socket, miniature 7 pin; mida Socket, miniature 7 pin; mida MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N4182 Diode, Type 1N4185 Escutcheon Flywhed, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, RECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY control Lock, line cord; female section Mounting foot; rubber Pulley, Assembly Shaft, general coverage dial Shaft index control	087-100078 036-200004 038-100041 086-200073-01 086-200296 008-100229 008-100229 006-100250 008-100250 008-100250 008-100250 008-100250 008-100250 008-100250 008-100250 008-100250 008-100250 008-100250 008-100250 019-101211 038-100026 082-300301 022-4000215 019-002984 007-400078 071-100178 038-100428 008-100451 015-001690 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601 015-001601
mica section mica	er, adjustable; oscillator band 1 f. 27, 500V., silver mic f. 28, 500V., silver mic f. 28, 500V., silver mic flos. 118, 137 d. 800V., molded tubular er, adjustable; crystal f. 500V., mica fl. 500V., certrolytic fl. 500V., certrolytic fl. 50V., 500V., ceramic fl. 500V., ceramic	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 110 047-100217 491-002100-092 451-253104 451-253104 451-253150 451-253150 451-253150 451-253150 451-253122 451-253122	Trans	rwise noted. TRANSFORMERS AND instrumer, antenna stage; 16 nsformer, antenna stage; 18 insformer, antenna stage; 14 insformer, antenna stage; 14 insformer, antenna stage; 13 nsformer, antenna stage; 11 stormer, RF stage; band 6 nsformer, RF stage; band 6 nsformer, RF stage; band 4 nsformer, RF stage; band 5 nsformer, RF stage; band 5 nsformer, antenna stage; 12 nsformer, mixer stage; 14 nsformer, mixer stage; 15 nsformer, mixer stage; 13 nsformer, mixer stage; 14 nsformer, mixer stage; 12 nsformer, mixer stage; 14 nsformer, mixer stage; 15 nsformer, oscillator stage; 16 nsformer, oscillator stage; 16 nsformer, oscillator stage; 16 nsformer, oscillator stage; 14 nsformer, oscillator stage; 15 nsformer, oscillator stage; 15 nsformer, oscillator stage; 14 nsformer, oscillator stage; 15 nsformer, o	051-200829 051-200828 051-200828 051-200826 051-200826 051-200833 051-200832 051-200827 051-200827 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200829 051-200839 051-200889 051-200889 051-200889	SO2 SO3 X1 X2 CR2 F1	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octat; black molded Socket, octat; black molded Socket, miniature 7 pin; mida Socket, miniature 7 pin; mida Socket, miniature 7 pin; midded takelite Socket, octat Socket, miniature 7 pin; midded takelite MISCELLANEOUS Clip, dial scale & window mtg. Crystal, talibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N4182 Diode, Type 1N4185 Escutcheon Flywheel, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, PECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY control Lock, line cord; female section Mounting foot; rubber Pulley, Assembly Shaft, general coverage dial Shaft index control Spring, 3/4 in, 1se, Spring, 7/8 in, 1se.	087-100078 036-200004 038-100041 086-200073-01 086-200296 008-100223 008-100250 006-100292 006-100250 006-001122 076-100403 019-101211 038-100026 082-300301 022-400215 019-002316 019-00284 007-400078 071-100178 038-10048 008-100451 015-001690 015-001691
mica section mica	er, adjustable; oscillator band 1 f. 27, 500V., silver mic f. 28, 500V., silver mic f. 28, 500V., silver mic f. 28, 500V., silver mic flost. 118, 127 d. 800V., mica er, adjustable; crystal f. 500V., mica f. 500V., certrolytic flost. 500V., certrolytic flo	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 110 047-100217 491-002100-092 451-253104 451-253104 451-253150 451-253150 451-253150 451-253150 451-253122 451-253122	Transparent	TRANSFORMERS AND INSTRUMENT, antenna stage; 16 minormer, antenna stage; 15 minormer, antenna stage; 14 minormer, antenna stage; 14 minormer, antenna stage; 14 minormer, antenna stage; 13 minormer, RF stage; band 6 minormer, RF stage; band 6 minormer, RF stage; band 3 minormer, mixer stage; 12 minormer, mixer stage; 13 minormer, mixer stage; 14 minormer, mixer stage; 15 minormer, mixer stage; 16 minormer, mixer stage; 17 minormer, mixer stage; 18 minormer, mixer stage; 19 minormer, mixer stage; 19 minormer, mixer stage; 19 minormer, oscillator stage; 10 minormer, oscillator stage; 10 minormer, oscillator stage; 10 minormer, oscillator stage; 11 minormer, oscillator stage; 12 minormer, oscillator stage; 13 minormer, oscillator stage; 14 minormer, oscillator stage; 13 minormer, oscillator stage; 14 minormer, oscillator stage; 15 minormer, oscillator stage; 16 minormer, oscillator stage; 17 minormer, oscillator stage; 18 minormer, oscillator stage; 19 minormer, oscillator stage; 10 minormer, oscillator stage; 10 minormer, oscillator stage; 11 minormer, oscillator stage; 12 minormer, oscillator stage; 13 minormer, oscillator stage; 14 minormer, oscillator stage; 15 minormer, oscillator stage; 16 minormer, oscillator stage; 17 minormer, oscillator stage; 18 minormer, oscillator stage; 19 minormer, oscillator stage; 10 minormer, oscillator stage; 11 minormer, oscillator stage; 12 minormer, oscillator stage; 12 minormer, oscillator stage; 13 minormer, oscillator stage; 14 minormer, oscillator stage; 18 minormer, oscillator stage;	051-200829 051-200828 051-200828 051-200826 051-200826 051-200823 051-200833 051-200832 051-200825 051-200825 051-200826 051-200826 051-200829 051-200829 051-200839 051-200844 051-200889 051-200889 051-200889 051-200888	\$02 \$03 \$1 \$2 \$2 \$2 \$2	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octat; black molded Socket, octat; black molded Socket, octat; black molded Socket, miniature 7 pin; mida Socket, miniature 7 pin; mida MISCELLANEOUS Clip, dial scale & window mtg. Crystal, talibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N4182 Diode, Type 1N4185 Escutcheon Flywheel, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, PECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY control Lock, line cord; female section Mounting foot; rubber Pulley, Assembly Shaft, general coverage dial Shaft index control Spring, 74 kn. 1 &. Terminal strip, antenna	087-100078 036-200004 038-100041 086-200073-01 086-200296 008-100223 008-100250 006-100292 006-100250 006-001122 076-100403 019-101211 038-100026 082-300301 022-400215 019-002316 019-002984 007-400078 071-100178 038-100451 015-001509 015-001501
mica section mica	er, adjustable; oscillator band 1 f. 2E, 500V., silver mic fl. 3E, 500V., mica er, adjustable; crystal inf. 500V., mica fl. 500V., ceramic fl. 500V., ceramic *RESISTORS hims 20%	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100116 047-100354 110 047-100354 111 047-100217 491-002100-092 451-253104 451-252120 451-253151 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152 451-253152	less othe	TRANSFORMERS AND INSTRUMENT, antenna stage; 16 ms or man, antenna stage; 15 ms or ms	051-200829 051-200828 051-200828 051-200826 051-200826 051-200823 051-200823 051-200823 051-200825 051-200825 051-200825 051-200826 051-200826 051-200829 051-200829 051-200829 051-200839 051-200844 051-200889 051-200889 051-200888 051-200888 051-200888	\$02 \$03 \$1 \$2 \$2 \$7 \$1 \$7 \$1 \$7 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	Piug and cord, power Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octal; black molded Socket, octal; black molded Socket, miniature 7 pin; mica Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin; molded bakelite Socket, octal Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Crystal, calibration; 500KC Dial cord (specify length) Dial pointer Tull scale (calibrated) Diode, Type 1N3182 Diode, Type 1N3182 Diode, Type 1N456 Escutcheon Flywheel, dial drive Fuse, 2 amp, 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, RECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY contol Lock, line cord; male section Mounting foot; rubber Pulley, Assembly Shaft, general coverage dial Shaft index control Spring, 394 in, 148. Spring, 778 in, 128. Terminal strip, speaker Hun, Retaining; index control	087-100078 036-200004 038-100041 086-200073-01 086-200250 008-100223 008-100256 006-100292 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100250 006-100403 019-10121 038-100026 082-300301 022-400215 019-002964 007-400078 071-100178 039-100428 008-100451 015-001609
mica section of the control of the c	er, adjustable; oscillator band 1 f. 27, 500V., silver mic f. 28, 500V., silver mic f. 28, 500V., silver mic flos. 118, 137 d. 800V., molded tubular er, adjustable; crystal f. 500V., mica fl. 500V., certrolytic fl. 500V., ce	470-231471 470-231471 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 110 047-100217 491-002100-092 451-253104 451-253104 451-253150 451-253150 451-253150 451-253150 451-253122 451-253122	Trans	rwise noted. TRANSFORMERS AND instrumer, antenna stage; 16 insformer, antenna stage; 18 insformer, antenna stage; 14 insformer, antenna stage; 13 insformer, antenna stage; 13 insformer, antenna stage; 11 insformer, RF stage; band 6 insformer, RF stage; band 1 insformer, RF stage; band 1 insformer, inster stage; 12 insformer, inster stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 14 insformer, mixer stage; 15 insformer, oscillator stage; 16 insformer, oscillator stage; 16 insformer, oscillator stage; 16 insformer, oscillator stage; 17 insformer, oscillator stage; 18 insformer, oscillator stage; 18 insformer, oscillator stage; 19 insformer, oscillator stage; 19 insformer, oscillator stage; 19 insformer, oscillator stage; 11 insformer, oscillator stage; 12 insformer, oscillator stage; 12 insformer, oscillator stage; 11 insformer, oscillator stage; 12 insformer, oscillator stage; 11 insformer, oscillator stage; 12 insformer, oscillator stage; 11 insformer, oscillator stage; 12 insformer, oscillator stage; 13 insformer, oscillator stage; 14 insformer, oscillator stage; 15 insformer, oscillator stage; 11 insformer, oscillator stage; 11 insformer, oscillator stage; 11 insformer, oscillator stage; 12 insformer, oscillator stage; 13 insformer, oscillator stage; 14 insformer, oscillator stage; 15 insf	051-200829 051-200828 051-200828 051-200826 051-200826 051-200823 051-200833 051-200832 051-200825 051-200825 051-200826 051-200826 051-200826 051-200829 051-200829 051-200839 051-200844 051-200889 051-200889 051-200888 051-200888 051-200888 051-200888 051-200888 051-200888 051-200839 051-200838 051-200838	\$02 \$03 \$1 \$2 \$2 \$7 \$1 \$7 \$1 \$7 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octat; black molded Socket, octat; black molded Socket, octat; black molded Socket, miniature 7 pin; mida Socket, miniature 7 pin; mida MISCELLANEOUS Clip, dial scale & window mtg. Crystal, talibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Diode, Type 1N4182 Diode, Type 1N4185 Escutcheon Flywheel, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, PECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY control Lock, line cord; female section Mounting foot; rubber Pulley, Assembly Shaft, general coverage dial Shaft index control Spring, 74 kn. 1 &. Terminal strip, antenna	087-100078 036-200004 038-100041 086-200073-01 086-200296 008-100223 008-100250 006-100292 006-100250 006-001122 076-100403 019-101211 038-100026 082-300301 022-400215 019-002316 019-002984 007-400078 071-100178 038-100451 015-001509 015-001501
mica section mica	er, adjustable; oscillator band 1 f. 27, 500V., silver mic f. 28, 500V., silver mic f. 28, 500V., silver mic flos. 118, 137 d. 800V., molded tubular er, adjustable; crystal f. 500V., mica fl. 500V., ceramic fl. 500V., ce	470-231471 470-231471 470-341221 499-031473 044-200164 470-213181 470-313561 045-100121 470-313881 045-100041 045-100116 047-100354 110 047-100217 491-002100-092 451-253104 451-253104 451-253150 451-253150 451-253222 451-253474 025-100548 451-253472 451-253472	less othe	TRANSFORMERS AND INSTRUMENT, antenna stage; 16 ms or man, antenna stage; 15 ms or ms	051-200829 051-200828 051-200828 051-200826 051-200826 051-200823 051-200833 051-200832 051-200832 051-200832 051-200839 051-200844 051-200989 051-200989 051-200888 051-200888 051-200888 051-200888 051-200888 051-200888 051-200888 051-200888 051-200888	\$02 \$03 \$1 \$2 \$2 \$7 \$1 \$7 \$1 \$7 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	Piug and cord, power Jack, PHONE Jack, PHONE Jack, PHONO Socket, dala lamp Socket, octat; black molded Socket, octat; black molded Socket, miniature 7 pin; mida Socket, miniature 7 pin; mida Askelite Socket, miniature 7 pin; midded hakelite Socket, octat Socket, miniature 7 pin MISCELLANEOUS Clip, dial scale & window mtg. Grystal, talibration; 500KC Dial cord (specify length) Dial pointer Dial scale (calibrated) Didde, Type 1N3182 Didde, Type 1N3182 Didde, Type 1N3182 Didde, Type 1N3186 Escutcheon Flywheel, dial drive Fuse, 2 amp. 250V; type 3AG Fuse holder Knob, BAND SELECTOR OR TUNING Knob, POINTER RESET Knob, RECEPTION, SELECTIVITY, TONE, VOLUM & SENSITIVITY control Lock, line cord; female section Mounting foot; rubber Pulley, Assembly Shaft, general coverage dial Shaft index control Spring, 3/4 in, 1&c. Spring, 7/8 in, 1&c. Terminal strip, antenna Terminal strip, antenna Terminal strip, antenna Terminal strip, antenna	087-100078 036-200004 038-100041 086-200073-01 086-200296 008-100223 008-100250 006-100292 006-100250 006-001122 076-100403 019-101211 038-100026 082-300301 022-400215 019-003316 019-003316 019-00128 008-100250 071-100178 039-100428 008-100451 015-001503 015-001609 015-001609 015-001601 076-000397-02 016-100029 028-300111 074-100252 074-100250 075-100012 075-100018 088-200978 088-200978 088-200936 078-100552 per W-12947





NOTERESISTOR VALUES ARE IN OMMS.
ALL RESISTORS ARE 1/2 WATT, UNLESS OTHERWISE SPECIFIED.
CAPACITOR VALUES ARE IN MFD. UNLESS OTHERWISE SPECIFIED.
K*1000

Fig. 14. Schematic diagram