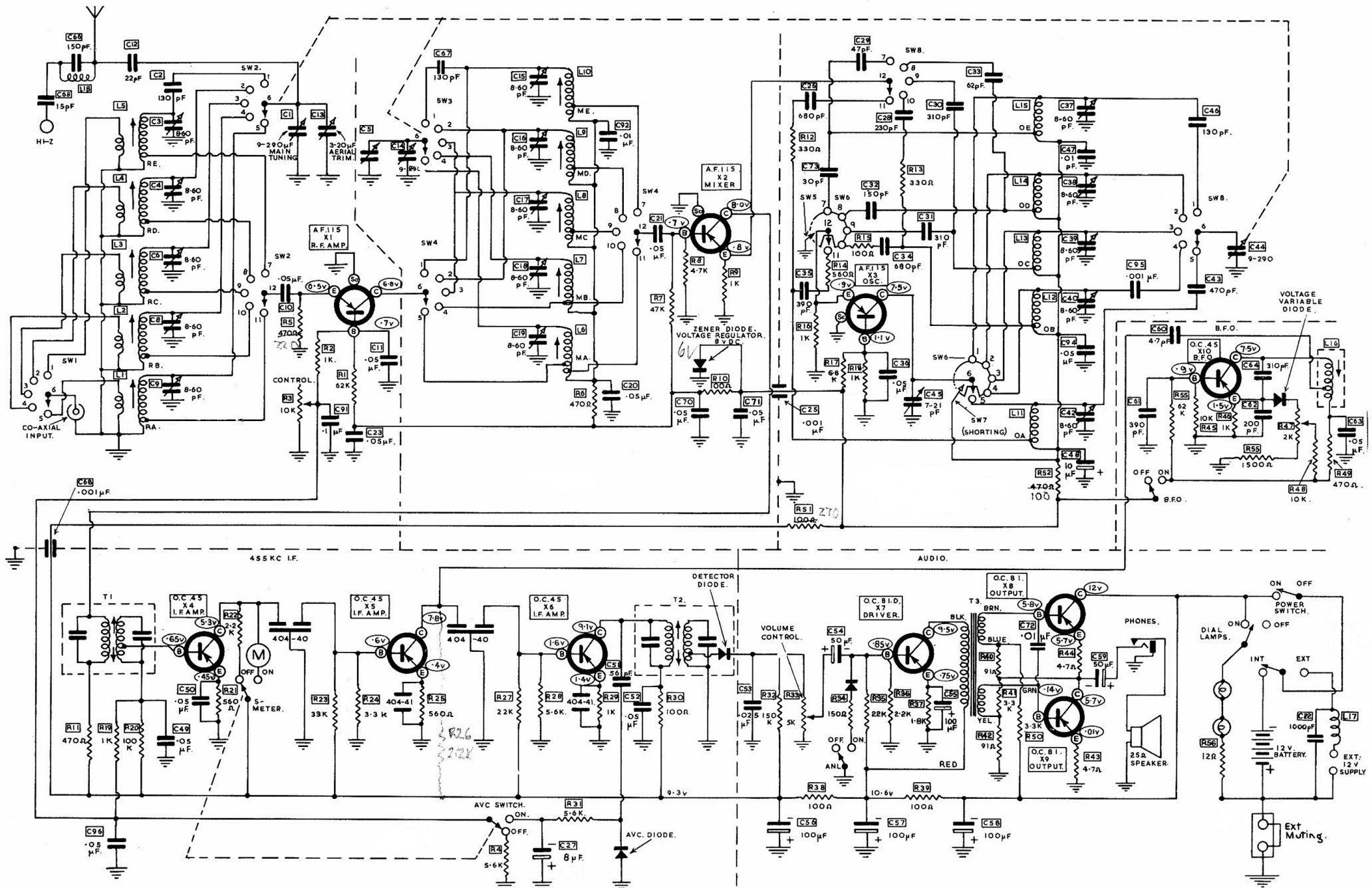


ERRATA

To facilitate your construction of this set with the maximum of ease, will you kindly insert the following alterations and additions in your Manual NOW.

Page	Circuit	
2	Diagram	A 6 volt zener diode is now fitted instead of the 8 volt type and the voltages of the first stages will be correspondingly lower. Refer to transistor X5 and draw a resistor (2.2K, R26) between Collector 'C' and 9.3v rail. Please note that R5 is now 220Ω and R51 is 270Ω.
16	Figure 2	Please note that transistor location X10 is incorrectly marked X3 on the circuit board.
19	Step 11	Add 'The RED end must be connected to the circuit board location marked +.'
19	Step 23	Add 'NOTE: This location may be marked 2.7Ω on the circuit board.'
19	Step 40	Delete 2.2K resistor (Red, Red, Red) and insert a 10K resistor (Brown, Black, Orange)
19	Step 44	Add 'NOTE: This location may be marked 2.7Ω on the circuit board.'
21	Step 21	Add to the 1st step under the heading INSTALLING TRANSISTORS, 'NOTE: The transistor location X10 is incorrectly marked X3 on the circuit board.'
21	Step 22	Delete 'OC78D' and insert 'OC81D'.
21	Step 23	Delete 'OC78' and insert 'OC81'.
24	Step 2	Please note, do not tighten the screws holding the main tuning capacitor.
24	Step 5	Delete this step and insert 'Mount the two-gang capacitor to the coil pack top chassis on two 3/8" spacers and secure with 4BA x 5/8" screws.'
35		After step 3 insert the following step 'Connect a 50,000 pF capacitor (Green, Black, Orange) between tags 6 and 7 of the volume control AU.'
35	Step 6	Delete '16"' and insert '22"'. '.
40	Step 2	Amend to read '.... 1/2" screws, flatwashers, lockwashers and nuts.'
59	PARTS LIST	Please make the following changes:-
59	Resistors Carbon	H222C10 2.2K 1/2 watt resistor Amend quantity to read 2
59		H103C10 10K 1/2 watt Amend quantity to read 3
59	Capacitors	21-531 Amend quantity to read 5
59	Hardware	Add Part No. 250-533, quantity 2, 4BA x 5/8" b'hd. screw.
59		252-3U Amend quantity to read 7 4BA nuts
59		Add Part No. 205-512, quantity 4, 2BA x 1/2" b'hd. screw.
60	Turned Parts	Add Part No. 255-506, quantity 2, 3/8" spacer.



THE GC-1U CIRCUIT DIAGRAM

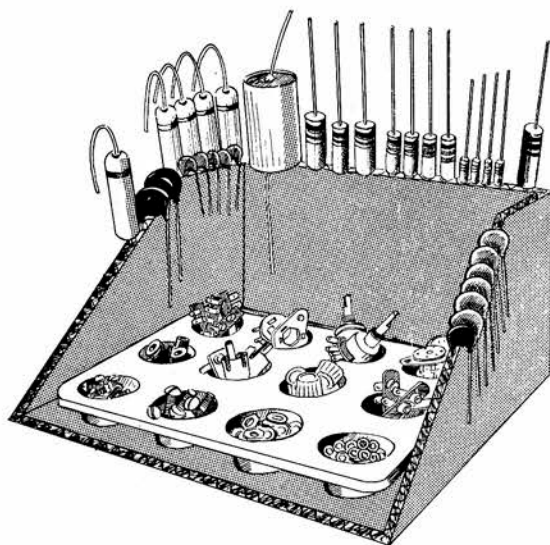


PARTS LIST

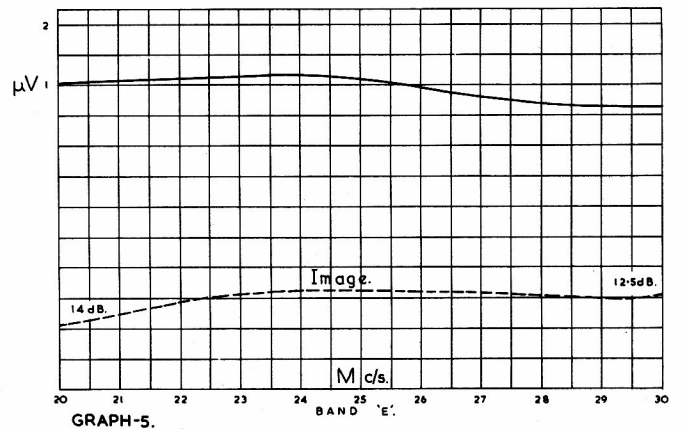
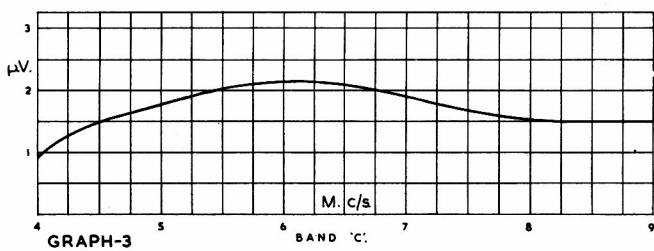
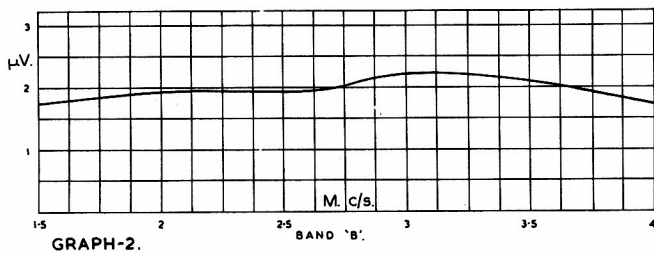
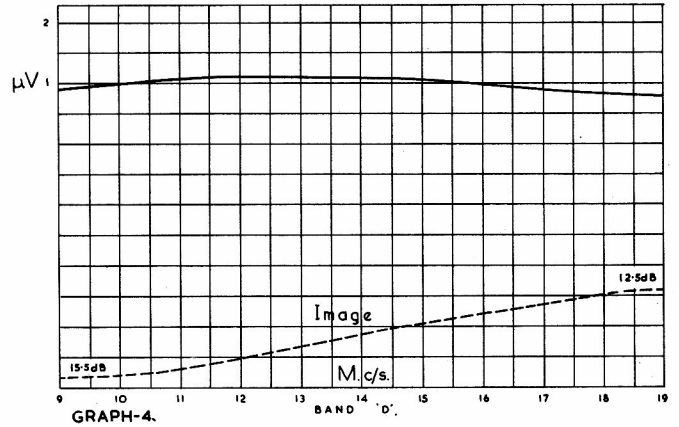
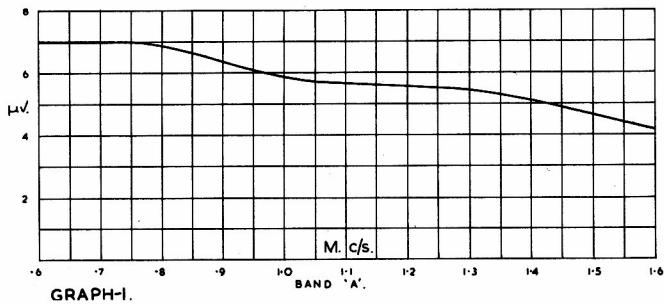
PART No.	PARTS Per Kit	DESCRIPTION	PART No.	PARTS Per Kit	DESCRIPTION
Resistors Carbon					
2-510	2	4.7Ω ¼ watt 5% (High Stability)	25-527	4	100μF 18v electrolytic
H-120C10	1	12Ω (Brown Red Black)	25-505	1	50μF 12v electrolytic
Q-910C5	2	91Ω ¼ watt	26-515	1	20pF variable (2 gang)
		(White Brown Black)	Coils - Transformers		
H-101C10	3	100Ω ½ watt	40-544	1	B.F.O. coil 455 Kc/s.
		(Brown Black Brown)	52-505	1	IF input transformer
H-151C10	1	150Ω ½ watt	52-506	1	IF output transformer
		(Brown Green Brown)	51-510	1	Audio driver transformer
H-471C10	2	470Ω ½ watt	45-506	1	Choke 1.1 mH
		(Yellow Violet Brown)	Sockets - Tagstrips - Knobs - Plugs - Connectors		
H-561C10	2	560Ω ½ watt	432-506	1	Aerial Socket
		(Green Blue Brown)	434-520	2	Pilot lamp socket
H-102C10	3	1KΩ ½ watt	434-527	1	External Supply socket 2 pin
		(Brown Black Red)	346-505	1	Phone Jack
H-152C10	1	1.5KΩ ½ watt	462-505	2	1 ¾" Knob Grey
		(Brown Green Red)	462-19	1	1 ¼" Knob Grey
H-182C10	1	1.8KΩ ½ watt	462-507	4	5/8" Knob Grey
		(Brown Grey Red)	431-32	1	2 way tagstrip
H-222C10	3-2	2.2KΩ ½ watt	431-518	1	2 way terminal strip
		(Red Red Red)	438-506	1	2 pin external supply plug
H-332C10	3	3.3KΩ ½ watt	438-504	1	Aerial Plug
		(Orange Orange Red)	432-501	2	Battery connector (Pos)
H-562C10	3	5.6KΩ ½ watt	432-502	2	Battery connector (Neg)
		(Green Blue Red)	436-504	1	Socket (Red)
H-103C10	2-3	10KΩ ½ watt	436-503	1	Socket (Black)
		(Brown Black Orange)	Hardware - Grommets - Feet		
H-223C10	2	22KΩ ½ watt	73-501	4	3/8" rubber grommet
		(Red Red Orange)	73-510	1	5/8" x 1-1/8" rubber grommet
H-333C10	1	33KΩ ½ watt	207-504	2	3/16" cable clamp
		(Orange Orange Orange)	250-501	30	6BA ¼" Binderhead screw
H-623C10	1	62KΩ ½ watt	250-502	8	6BA x 5/16" Binderhead screw
		(Blue Red Orange)	250-513	10	4BA x ¼" Binderhead screw
H-104C10	1	100KΩ ½ watt	250-517	1	4BA x ½" Binderhead screw
		(Brown Black Yellow)	252-501	38	6BA Full nut
H-154C10	1	150KΩ ½ watt	252-3U	3	4BA Full nut
		(Brown Green Yellow)	252-514	4	2BA Half nut
Capacitors			252-518	10	6-32 Nut (American Thread)
20-540	1	15pF Silver Mica	254-501	32	6BA Lockwasher
20-506	1	56pF Silver Mica 10%	254-1U	10	4BA Lockwasher
20-501	1	200pF Silver Mica 5%	253-504	4	2BA Flatwasher
20-505	1	310pF Silver Mica 2%	254-502	4	2BA Lockwasher
20-548	1	390pF Silver Mica 5%	254-503	5	3/8" I.D. Lockwasher
21-524	1	4.7pF tubular ceramic	253-510	2	'C' Ring
21-538	1	.001μFd ceramic feed through	253-511	8	Fibre washer (4BA)
21-509	1	.001μFd (1000 pF) disc ceramic	253-513	2	Spring washer ¼ I.D.
21-504	1	.01μFd (10K) tubular ceramic	258-503	2	Dial Cord spring
21-531	4-5	.05μFd disc ceramic	261-504	4	Rubber Feet
		(Green Black Orange)	265-504	2	4 BA x 5/8" Bld screw
21-532	1	.1μF disc ceramic	205-512	4	2 BA x 1/2" Bld screw
		(Brown Black Yellow)	Controls - Switches		
21-540	1	.025μFd disc ceramic	10-532	1	10KΩ Control (Log)
		(Red Green Orange)	19-512	1	2KΩ Control (Lin) with switch
25-504	1	8μF 12v electrolytic	19-513	1	5KΩ Control (Log) with switch
25-528	1	50μF 18v electrolytic	60-504	2	S.P.S.T. slide switch (2 tag)
			60-510	2	D.P.S.T. slide switch (6 tag)

PARTS LIST (cont'd)

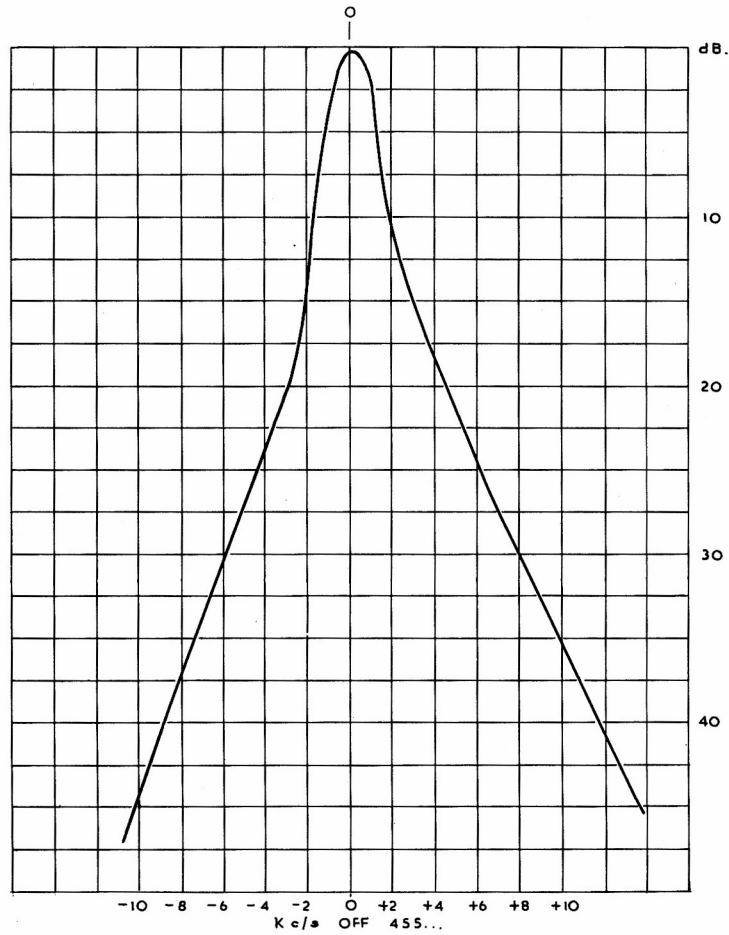
<u>PART</u> <u>No.</u>	<u>PARTS</u> <u>Per Kit</u>	<u>DESCRIPTION</u>	<u>PART</u> <u>No.</u>	<u>PARTS</u> <u>Per Kit</u>	<u>DESCRIPTION</u>
Diodes - Meter Lamps - Transistors - Transfilter			214-501	1	Battery Box
56-501	3	Crystal diode OA81 (or equiv.)	90-516	1	Cabinet
407-68	1	Meter O - 1mA, edge reading with clip	204-535	1	Heat sink bracket
412-4	2	6.3v 110mA, Lamp	259-505	2	6BA Solder tag
417-502	4	OC45 transistor (IF)	259-504	3	4BA Solder tag
417-503	1	OC81D transistor (Driver)	Turned Parts		
417-504	2	OC81 transistor (Matched pair)(Output)	453-508	1	Shaft $\frac{1}{4}$ " dia. x $5\frac{1}{4}$ " Black phenolic
404-40	2	TO-01A transfilter	453-509	2	Shaft $\frac{1}{4}$ " x 3" dial drive
404-41	2	TF-01A transfilter	453-510	1	Shaft $\frac{1}{4}$ " x 1-7/8" band switch extension
Wire - Solder - Screened Cable			456-502	2	Coupling Sleeve
344-500	1 length	1/.029 Black	455-502	4	Bush $\frac{1}{4}$ " bore $\frac{1}{4}$ " threaded length
344-501	1 length	1/.029 Brown	455-503	2	Bush $\frac{1}{4}$ " bore 3/8" threaded length
344-502	1 length	1/.029 Red	255-506	2	Spacers
344-503	1 length	1/.029 Orange	Miscellaneous		
344-504	1 length	1/.029 Yellow	85-515	1	Circuit Board for I. F. and A. F. Amplifier
344-505	1 length	1/.029 Green	346-1	1	Length 1 MM sleeving
344-506	1 length	1/.029 Blue	349-501	1	Length dial cord
344-507	1 length	1/.029 Violet	401-507	1	Speaker 7" x 4" 25 Ω impedance
344-508	1 length	1/.029 Grey	608-501	2	Fly wheel (lead)
344-509	1 length	1/.029 White	463-505	2	Dial pointer
331-501	1 length	60/40 Solder 18 SWG	464-508	1	Plastic dial plate
343-3	1 length	Screened cable	142-502	1	Collapsible whip aerial
341-2	1 length	14/.0076 Red flexible	211-4	1	Handle
341-1	1 length	14/.0076 Black flexible	208-501	2	Transistor Heat sink clips
340-501	1 length	Bare wire 22 SWG	432-503	25	Transistor mounting spills
Sheet Metal Parts			432-510	20	Printed Circuit tags
100-524	1	Chassis Base assembly	320-501	1	length Foam plastic strip (2" wide)
100-505	2	2" diameter dial drum	100-526	1	Coil Pack Assembly
100-525	1	Dial back plate assembly	595-537	1	Instruction Manual
100-523	1	Front Panel assembly			
204-537	2	Pilot Lamp Bracket			



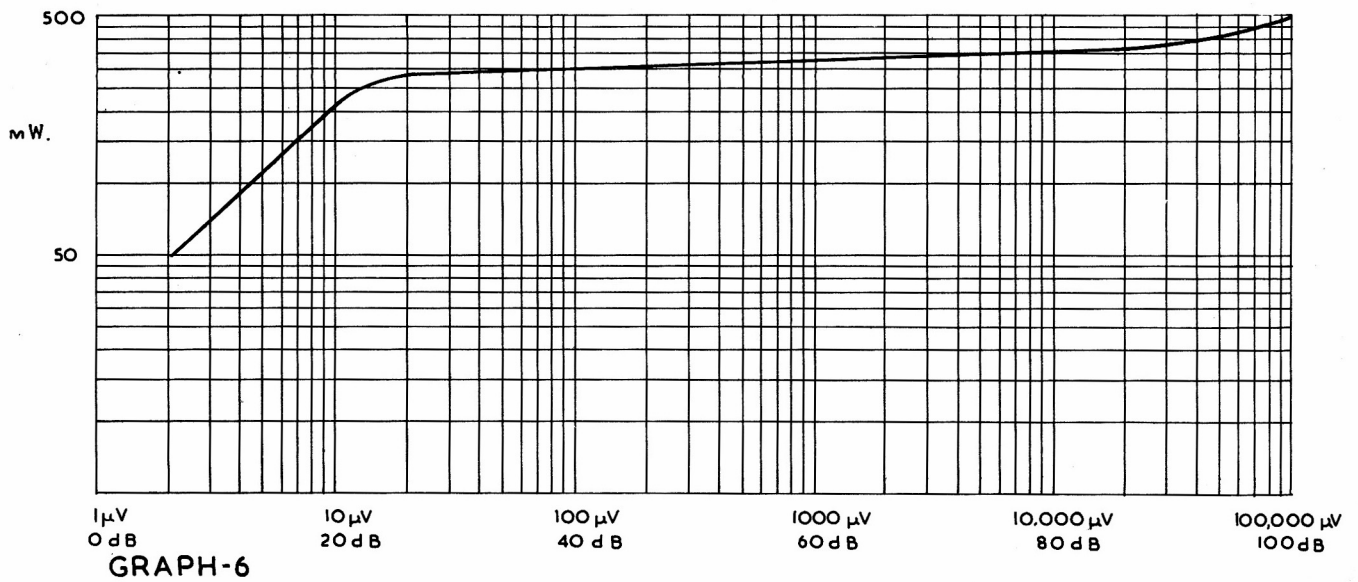
This illustration shows how resistors and capacitors may be placed in the cut edge of a corrugated cardboard carton until they are needed. Their values can be written on the cardboard next to each component.



The above sensitivity curves are for an average "Mohican" receiver. They are based on a 10 dB or better signal to noise ratio with an audio output of 50 mW.



GRAPH-7 I.F. SELECTIVITY CURVE.



GRAPH-6

The above graph shows the A.G.C. Characteristic of the Mohican receiver, taken at 1 Mc/s with the R.F. gain control in its mid position.

AE. 75Ω



AE.



HI-Z.

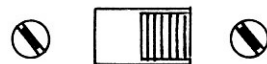


EARTH.

EXT. SUPPLY.



- +



EXT-INT
SUPPLY SWITCH.

MUTING.



PHONES.

