

EXELRAD CATALOGUE

1939

GUARANTEED



COMPONENTS
INDIVIDUALLY MATCHED
TO STANDARD

*It is your Buying
Guide*

KITSETS ▼ COMPONENTS

N.Z. Distributors: **TURNBULL & JONES LTD.**

AUCKLAND, HAMILTON, PALMERSTON NORTH, WELLINGTON, CHRISTCHURCH, DUNEDIN.

EXELRAD CATALOGUE, 1939

Introduction

To the trade and the individual we extend our most sincere thanks for the support extended during 1938.

That support has made this Catalogue possible and we sincerely hope that the extra facilities incorporated will be a source of satisfaction throughout the year.

Self praise is no recommendation, but we feel that our policy of continued improvement has found expression in these pages and that our service to you has been increased with this issue.

More new equipment is featured, the Kit Section has been increased and extra components added. The one thought behind the entire production being SERVICE. Please feel at liberty to write us regarding any matter on which you require information.

TERMS . . . Cash with order unless you have an accredited account on our books. Sales Tax extra when applicable.

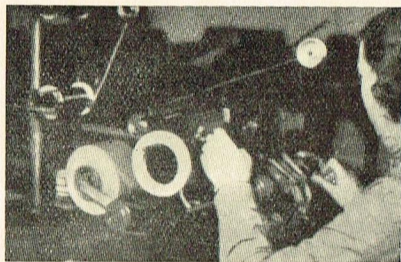
SERVICE . . . We always endeavour to maintain the same day despatch service where possible. To avoid unnecessary delays, please order from our nearest Branch.

DELIVERY F.O.B. or F.O.R., Main Ports. Breakages and loss in transit are the entire responsibility of the purchaser, as every care is taken in packing from this end. Any claim whatsoever must be submitted within 7 days.

FREE TECHNICAL SERVICE . . . We have a staff of trained radio men in each centre who are entirely at your disposal in an advisory capacity. If there is any technical information which you require, do not hesitate to write or call on them.

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Exelrad Transformers



WE DO NOT CLAIM our Transformers are the cheapest on the market but we do claim, and rightly so, that they cannot be equalled for quality and long trouble-free service. EXELRAD Transformers are made from genuine Stalloy—the best grade obtainable. The winding is of the highest grade wire available.

POWER TRANSFORMERS

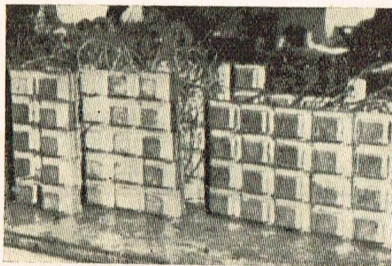
	Price		Price
Type 343 Vertical Type for four or five valve with single 42 output H.T. 350v.—50M.A. Fil. 5v.—2A. 6.3v.—1a.	24/-	Type T56 Vertical type for 7 or 8 valve sets for single 42 output H.T. 350v.—80M.A. fil. 5v.—2a. 6.3v.—3a.	30/-
Type 373 Vertical type for 5 or 6 valves sets with single 42 output H.T. 350v.—70M.A. Fil. 5v. 6.3v.—2a.	27/-	Type 423 Vertical type for push pull output H.T. 350v.—125M.A. Fil. 5v.—2a. 6.3v.—5a. 6.3v.—3a.	36/-
Type T57 same as above but for horizontal mounting	27/-	Type 225 2.5 volts 3 amp filament transformer	15/-
Type TL18 same as T57 but 240v. high tension	27/-	Type 240 4v. 2 amp fil. transformer	15/-
		Type 263 6.3 volt 2 amp. fil. transformer	15/-

SPECIAL TRANSFORMERS

Type 110 60 watt stepdown transformer for 230v. 110v.	45/-	Type TL52 High tension transformer for 30 watt amplifier H.T. only 500-500v. Tapped at 375-375v.	55/-
Type T47 Power Transformer for 10 watt amplifier H.T. 320v. 180 M.A. filaments 5v.—3a. 6.3—3a.	37/6	Type T.L.53 Filaments only 2 x 5v.—3a. 6.3v.—4a	24/-
		Type TL47 For speaker field supply 40 watts 200v.—200 M.A. Film. 5v.—3a for 5Z3	37/6

SEE SERIES OF DX KITS—THEY ARE UNEQUALLED

Exelrad Transformers



AUDIO TRANSFORMERS

	Price
Type 81 General Purpose ratio :3	12/-
Type 82 Push-pull input, ratio 1:3	15/-
Type 83 Push-pull input for 19 valve class B	15/-
Type 84 Coupling between 56 valves and Push Pull 45's Class A.B.	19/6
Type 91 Output transformer from single output penthode to average speaker of 4 ohms. coil impedance	12/-
Type 92 Push-pull from output penthodes to average speaker of 4 ohms coil impedance	15/-
Type 95 Output from single 45 to 4 ohms speaker	12/-

Type 96 Universal output transformer from any modern output stage, single or Push-pull penthodes or Triodes into speakers from 1 to 10 ohms, voice coil impedance	18/-	Type TL49 Output transformer from 2 x 6L6 in class A. Secondary tapped at 500-200-50-25-15-8-5 and 2.5 ohms	45/-
		Type TL39 Output transformer for 2 x 6L6 in class A.B.1. Secondary tapped at 500-200-100-50-25-16-8-5 2.5 ohms	55/-

CHOKES

Type C350 R.F. Choke Broadcast	1/9	Type 71 30 Henrys 100 M.A. Filter choke for general use D.C. resistance 260 ohms	24/-
Type C350S R.F. Choke Broadcast	2/6	Type 72 8 Henrys 150 M.A. Filter Choke for general use D.C. resistance 150 ohms	24/-
Type 62 600 Henry I.M.A. Audio Choke for coupling purposes D.C. resistance 3000 ohms	18/-	Type TL30 Filter Choke 8 Henrys 200 M.A. D.C. resistance 75 ohms	30/-
Type 61 20 Henrys 50 M.A. Fitter Choke for general use D.C. resistance 420 ohms	12/-		

TRANSFORMERS AND CHOKES FOR VIBRATOR POWER SUPPLIES.

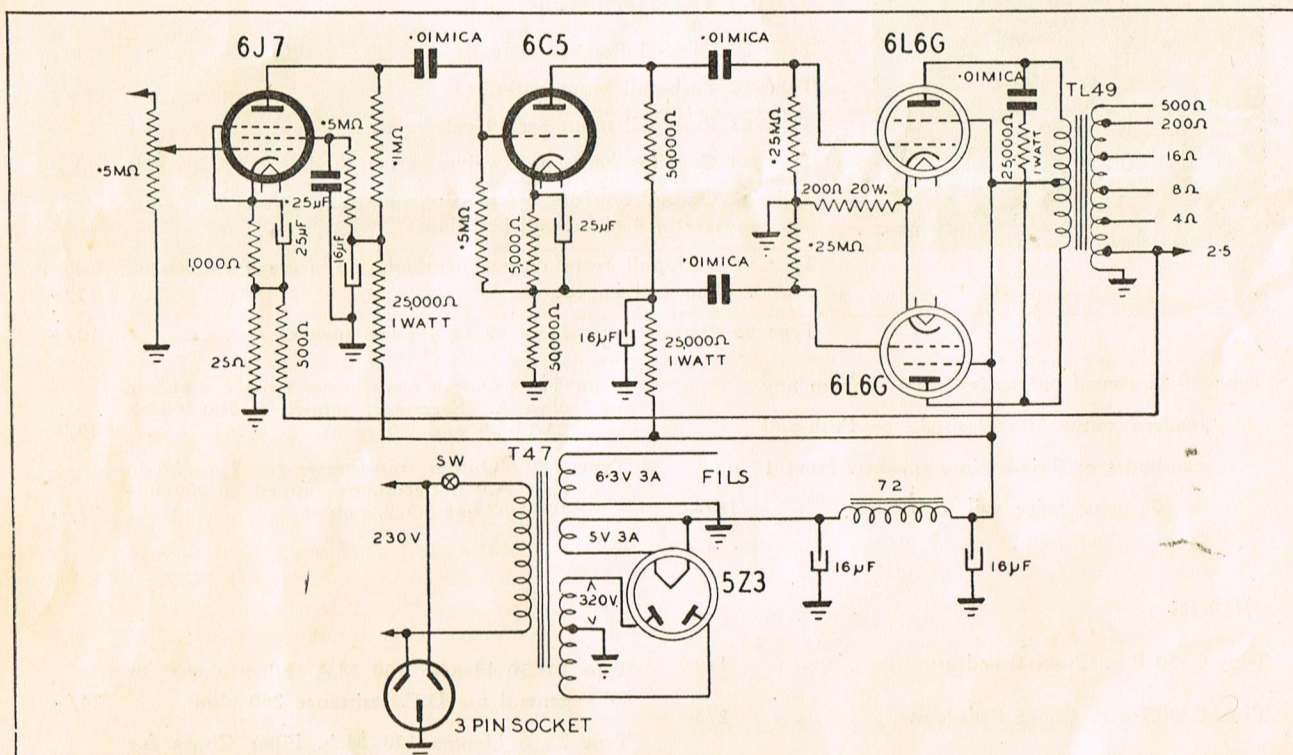
Type T6 Transformer for use with 6V synchronous vibrator to give 130 V.D.C. at 25 M.A.	25/-	Type RC3 R.F. filter unit for vibrator transformer low voltage supply	19/6
Type Z13 Filament Filter Choke	17/6	Type 61 High Tension filter choke	10/-
Type T5 same as above but delivers 150v. at 25 M.A.	25/-	Type RC1 R.F. Filter choke for high tension	7/6

SERVICEMEN ALWAYS USE EXELRAD COMPONENTS

AMPLIFIERS

10 WATT.

A 10.—10 Watt Kit, using Inverse Feedback and High Fidelity Transformers.



DRAWN <i>ELB</i>	MODEL A10. POWER AMPLIFIER - 10WATTS OUTPUT — WITH INVERSE FEED BACK.
CHECKED <i>RTY</i>	
DATE 30-3-38	

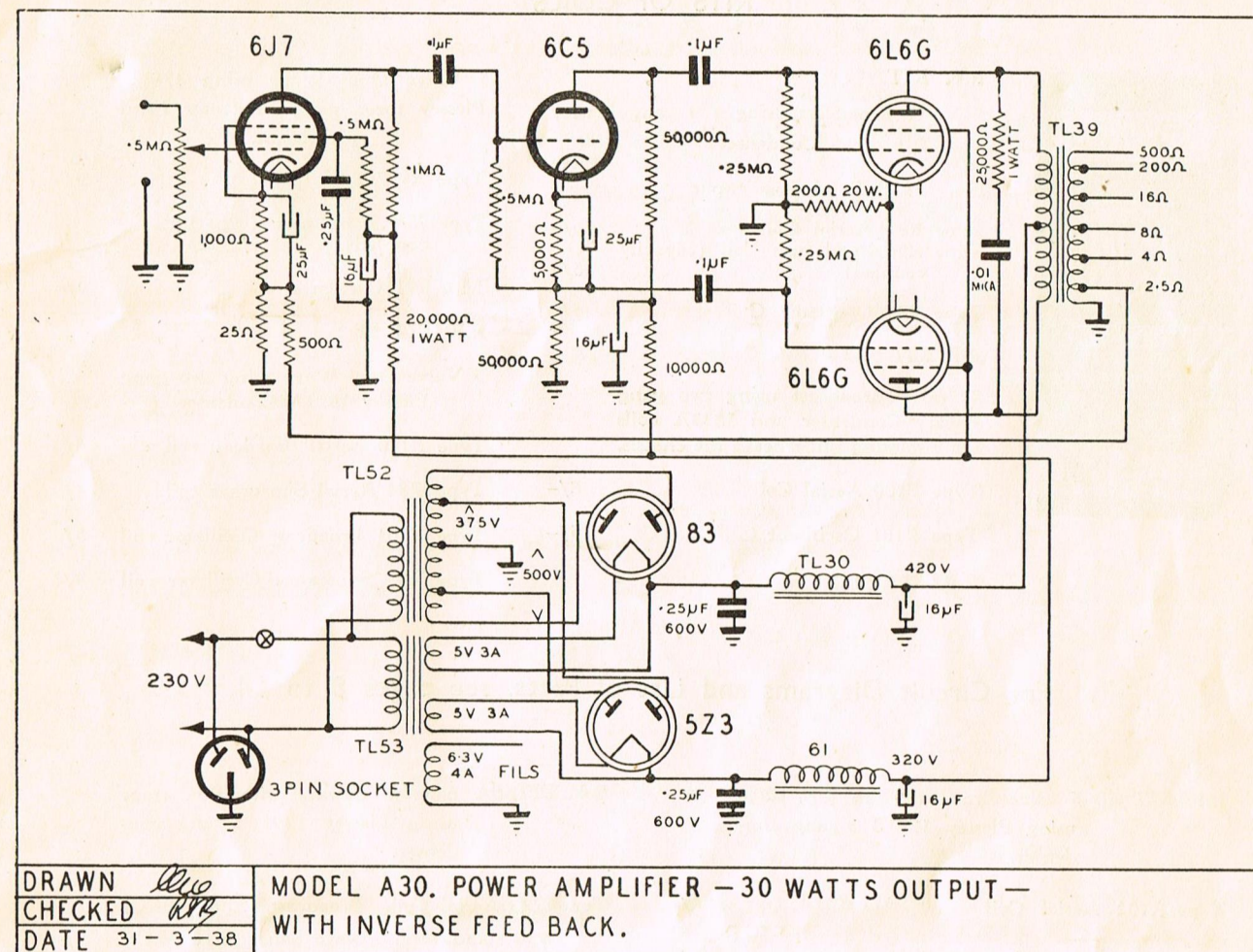
LIST OF PARTS.

- | | |
|---|--|
| 1 Chassis | 1 500 Ohm Resistors $\frac{1}{4}$ watt |
| 1 4-pin Valve socket | 1 200 Ohm 20 watt |
| 4 8-pin Valve sockets | 1 Rotary Power Switch |
| 4 16 MFD T.C.C. Electrolytic Condensers. | 1 T47 Power Transformer |
| 2 25 MFD 25 Volt Electrolytics | 1 72 Filter Choke |
| 4 .01—1000v. Mica | 1 TL49 Output Transformer |
| 1 .25—600v. Tubular | 4 Terminals |
| 1 $\frac{1}{2}$ meg Volume Control | 1 3 pin Power socket |
| 2 $\frac{1}{2}$ meg Carbon Resistors $\frac{1}{4}$ watt | 1 Power Cord and 3 pin plug |
| 2 50,000 Ohm Resistors $\frac{1}{4}$ watt | 2 Dozen 3/16in. screws and nuts |
| 1 5,000 Ohm Resistors $\frac{1}{4}$ watt | Miscellaneous Hook up wire and shielded braid |
| 1 1,000 Ohm Resistors $\frac{1}{4}$ watt | 1 Tung-Sol valves comprising: 2-6L6G; 1-5z3; 1-6C5; 1-6J7. |
| 1 25 Ohm Resistors $\frac{1}{4}$ watt | |

Price £12-17-6 (Less Speaker).

AMPLIFIERS (continued)

A 30.—30 Watt Kit, using Inverse Feedback and High Fidelity Transformers.



LIST OF PARTS.

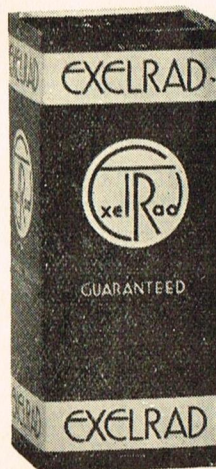
- | | |
|---|------------------------------------|
| 1 Chassis | 1 250 ohm $\frac{1}{2}$ watt |
| 2 Amphenol—4 pin valve bases | 1 200 ohm 20 watt |
| 4 Amphenol—8 pin valve bases | 1 25,000 ohm 1 watt |
| 4 16MFD Wet Electrolytic Condensers | 1 20,000 ohm 1 watt |
| 2 25 MFD 25V Electrolytic Condensers | 1 10,000 ohm 1 watt |
| 2 .01—1,000v. Mica Condensers | 1 Rotary Power Switch |
| 2 .25—600v. Tubular Condensers | 1 TL52 Plate Transformer |
| 3 .1—600v. Tubular Condensers | 1 TL53 Filament Transformer |
| 1 $\frac{1}{2}$ meg Volume Control | 1 TL30 Filter Choke |
| 2 $\frac{1}{2}$ meg. $\frac{1}{4}$ watt resistors | 1 61 Filter Choke |
| 2 $\frac{1}{4}$ meg $\frac{1}{4}$ watt resistors | 1 TL39 Output Transformer |
| 1 100,000 ohm resistors | 4 Terminals |
| 2 50,000 ohm resistors | 1 6ft. Length Power Cord |
| 1 5,000 ohm resistors | 1 3-pin Power Socket |
| 1 1,000 ohm resistors | 2 Dozen assorted 3/16in. screws |
| 1 500 ohm resistors | Miscellaneous Shielded Wire P Bush |

VALVES Tung-Sol: 2-6L6G; 1-83; 1-5Z3; 1-6J7; 1-6C5.

Price £17-15-0 (Less Speaker)

EXELRAD KITS, Etc.

KITS OF COILS



R.F. KIT

5 Valve Broadcast using a 3 gang Plessey Condenser

	Price
No. 1791B Band Pass Input	
Type R95 Aerial Coil	6/-
Type R96 Band pass Coil (capacity coupled)	6/-
Type R94 Oscillator Coil	6/-

R.F. KIT 5B2

5 Valve Broadcast using two gang Plessey Condenser and 1833A coils for mounting underneath the chassis.

Type F100 Aerial Coil	8/-
Type R101 Oscillator Coil	5/-

R.F. KIT 5D3

5 Valve Dual Wave using 1791B Plessey three gang condenser band pass input.

Type R997 Aerial Coil	9/-
Type R96 Band pass (capacity coupled)	6/-
Type R91 Oscillator coil	9/-

R.F. KIT 5D2

5 Valve Dual Wave using two gang Plessey 1833A Condenser

Type F100 Aerial Broadcast coil	8/-
Type R84 Aerial Shortwave coil	4/-
Type R101 Broadcast Oscillator coil	5/-
Type R85 Shortwave Oscillator coil	4/-

For Circuit Diagrams and List of Parts, see pages 8 to 14.

R.F. KIT 6B 6 valve Broadcast with R.F. stage using Plessey 1791B 3-gang condenser.

Type R102 Aerial Coil	6/-
Type R103 R.F. Coil	6/-
Type R104 Oscillator Coil	6/-

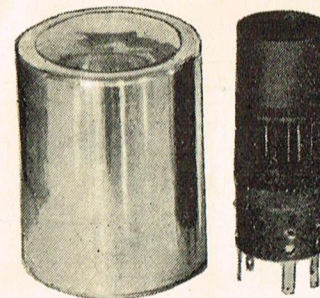
R.F. KIT 6D 6 valve Dualwave with R.F. stage using Plessey 1791 3-gang condenser.

Type 126 Aerial Broadcast (550-1550 K.C.) and standard shortwave (6-16.5 M.C.)	9/-
Type 127 R.F. Coil Broadcast and shortwave	9/-
Type 190 Oscillator coil, Broadcast and shortwave	10/-

R.F. KIT 6A 6 valve allwave with R.F. stage using Plessey 1791 3-gang condenser.

Type R78 Aerial Coil. Broadcast (550-1550KC) and standard shortwave band (6-18 M.C.)	9/-
Type R81 Aerial Coil. Medium shortwave (2-6 M.C.)	6/-
Type R79 R.F. Coil Broadcast and standard shortwave	9/-
Type R82 R.F. Coil Medium Shortwave	6/-
Type R80 Oscillator coil. Broadcast and standard shortwave	9/-
Type R83 Oscillator coil Medium shortwave	6/-

FOR CIRCUIT DIAGRAMS AND LIST OF PARTS SEE PAGES 8 TO 14.



EXELRAD

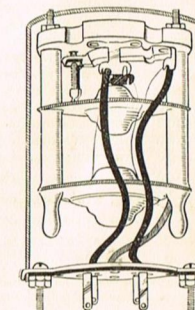
Intermediate Frequency Transformers

	Price	Type 21 175 K.C.	9/-
Type 7A456 K.C. Mixer plate grid	14/-	Type 29A 456 K.C.: Similar to 7A but lower gain	12/-
Type 7B456 K.C. Plate to diode	14/-	Type 29B 456 K.C. Similar to 7B but lower gain	12/-
the above two types are high-gain Litz wound transformers and are recommended for use with all R.F. Kits.			
Type 24 256 K.C.	9/-	Type 25A 456 K.C. Similar to 29A but lower gain (air core)	10/-
		Type 25B 456 K.C. Similar to 29B but lower gain (air core)	10/-

MISCELLANEOUS COILS

Type 111 Aerial Coil Low Impedance	6/-	Type 112 R.F. Coil. Low Impedance	6/-
Type 115 Band pass coil. Inductively coupled	9/-	Type 130 Oscillator Coil. Broadcast 175 K.C.	6/-
Type 116 S.W. Converter	15/-		

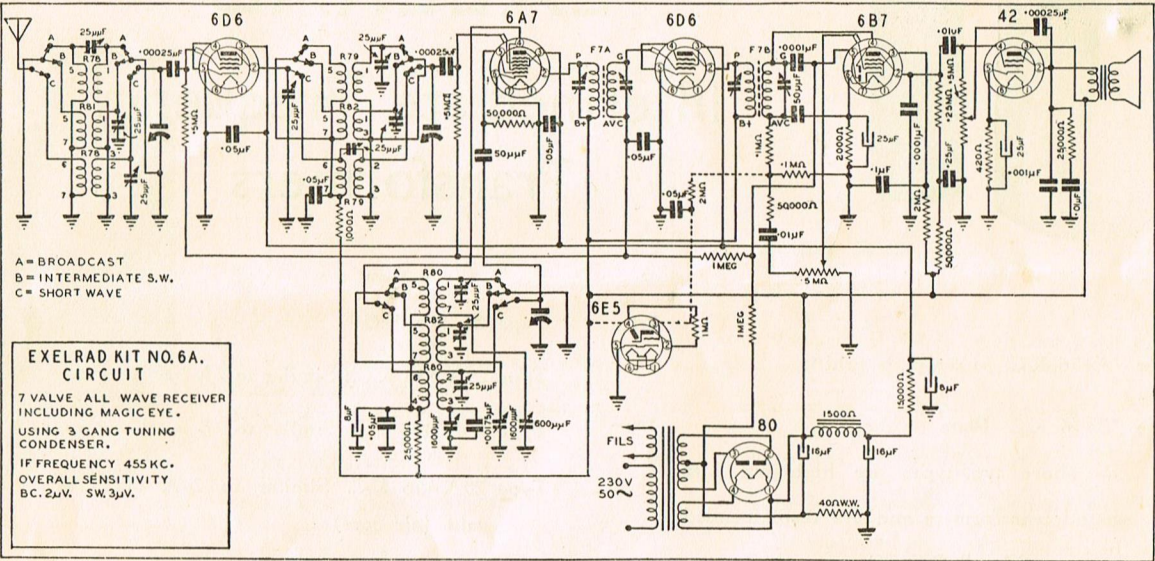
Any I.F. Transformer can be used with any Kit No. as described in the succeeding pages. Our recommendation is that set builders use types 7A and 7B High Gain Iron Cored Types. Note frequency of I.F. Coils on this page.



orig. 9 turns spaced dia of wire 51cc6 8 long. Padder 600. 73-30 grid.
" 8 " inter wound. PRI 10023 across Padder.

EXELRAD KIT SETS

KIT No. 6A.—Six Valve, with Magic Eye optional.



LIST OF PARTS.

- 1 New design Bronze Dial
- 1 3-gang tuning condenser 1791B
- 2 4-pin valve sockets
- 3 6-pin valve sockets
- 2 7-pin valve sockets
- 4 Rubber Grommets
- 4 Washers for grommets
- 4 Spacers for grommets
- 2 16 mf metal electros 500v. wet
- 1 8 x 8 mf metal electros 500v. dry
- 2 25mf paper electros 25v. dry
- 2 1600 mmf padder condensers
- 1 600 mmf padder condensers
- 1 .00175 mf mica cond., 350v.
- 1 .001 mf. mica cond.
- 3 .00025 mf mica cond.
- 2 .0001 mf mica cond.
- 2 .00005 mf mica cond.
- 9 25 mmf trimmers, M 3760
- 1 .25 mf paper condrs. 350v.
- 1 .1 mf paper condrs. 350v.
- 5 .05 mf. paper condrs. 350v.
- 3 .01 mf paper condrs. 350v.
- 2 .5 meg. variable controls
- 1 2 meg. carbon resistors $\frac{1}{2}$ watt
- 2 1 meg. carbon resistors $\frac{1}{2}$ watt
- 2 .5 meg. carbon resistors $\frac{1}{2}$ watt
- 1 .25 meg. carbon resistors $\frac{1}{2}$ watt
- 2 .1 meg. carbon resistors $\frac{1}{2}$ watt
- 3 50,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 25,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 2,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 1,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 25,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 15,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 420 ohm resistors, carbon $\frac{1}{2}$ w.
- Tung-Sol Valves 2x6D6; 1x6A7; 1x6B7; 1x42; 1x80.

EXTRA FOR EYE

- 1 .05 Paper Condenser 350v.
- 1 1 meg. $\frac{1}{2}$ watt Resistor
- 1 2 meg. $\frac{1}{2}$ watt Resistor
- 1 Magic Eye Holder
- 1 4 Wire Cable
- 1 6E5 Valve
- 1 M/E Escutcheon

COILS

- 1 R78 1 x F7A Iron Cored High Gain
- 1 R79
- 1 R80 1 x F7B Iron Cored High Gain
- 1 R81
- 1 R82
- 1 R83
- 1 40 ohm W.W. Resistor
- 1 Wave Change Switch
- 4 Small Valve Shields
- 1 Large Valve Shield
- 1 1500 w. Speaker with 4-pin Plug
- 1 Power Transformer
- 1 3 Wire Powerflex
- 4 Control Knobs
- 1 Chassis
- 1 3 gang condenser mounting bracket

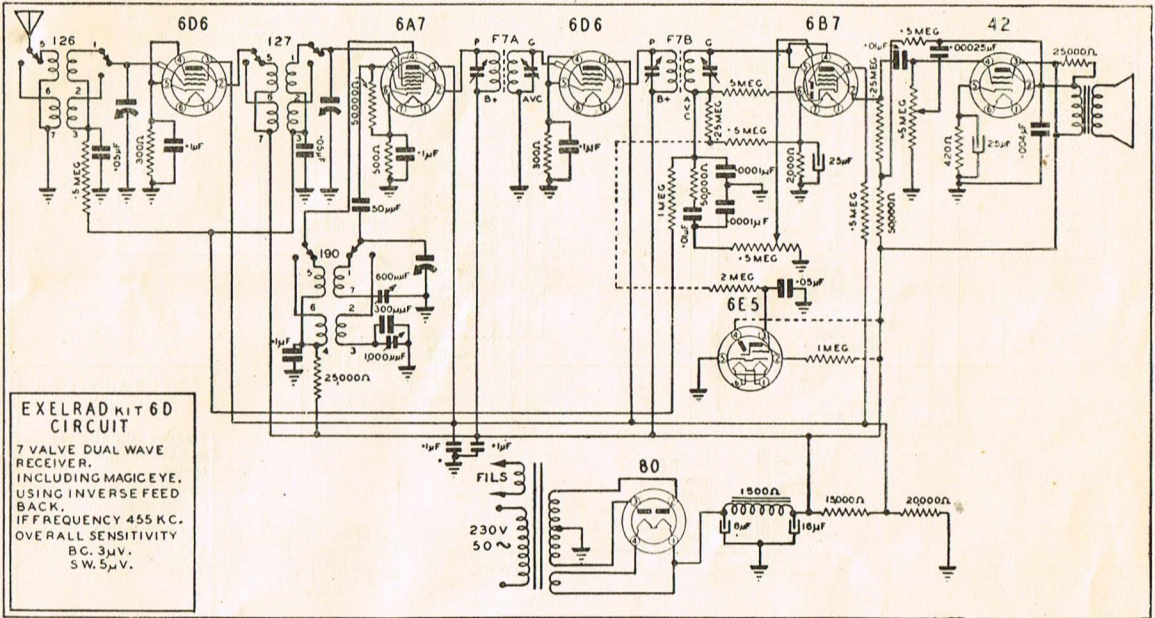
MISCELLANEOUS

- Hookup Wire. Shielded leads. Nuts and Bolts. Grid Caps. Warning Plate. Spaghetti, etc.
- PRICE COMPLETE—LESS MAGIC EYE £18 5 0
- PRICE COMPLETE—WITH MAGIC EYE £19 19 0
- PRICE COMPLETE—LESS VALVES £17 10 0
- PRICE COMPLETE—LESS VALVES & SPEAKER £15 15 0

For BEST RESULTS USE T.C.C. CONDENSERS & ERIE RESISTORS

EXELRAD KIT SETS

6D.—Six Valve Dual Wave, with Magic Eye optional.



LIST OF PARTS.

- 1 New Type Dial
- 1 3-gang tuning condenser 1791B
- 2 4-pin valve sockets
- 3 6-pin valve sockets
- 2 7-pin valve sockets
- 4 Rubber Grommets
- 4 Washers for Grommets
- 4 Spacers for Grommets
- 1 8 mf metal electros 500v. wet
- 1 16 mf metal electros 500v. wet
- 2 25 mf paper electros 25v. dry
- 1 1000 mmf padder condensers
- 1 600 mmf padder condensers
- 1 .004 mf mica cond., 100v.
- 1 .003 mf mica cond.
- 1 .00025 mf mica cond.
- 2 .0001 mf mica cond.
- 1 .00005 mf mica cond.
- 6 25 mmf trimmers, M 3760
- 6 .1 mf paper condrs. 350v.
- 2 .05 mf paper condrs. 350v.
- 2 .01 mf paper condrs. 350v.
- 2 .5 meg. variable controls
- 1 1 meg. carbon resistors $\frac{1}{2}$ watt
- 5 .5 meg. carbon resistors $\frac{1}{2}$ watt
- 2 .25 meg. carbon resistors $\frac{1}{2}$ watt
- 3 50,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 25,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 2,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 500 ohm resistors, carbon $\frac{1}{2}$ w.
- 2 300 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 20,000 ohm resistors, carbon 1 w.
- 1 15,000 ohm resistors, carbon 1 w.
- 1 420 ohm resistors, carbon 1 w.
- Tung-Sol Valves; 2x6D6; 1x6A7; 1x6B7; 1x80; 1x42.

EXTRA FOR EYE.

- 1 .05 Paper condenser 350v.
- 1 2 meg. $\frac{1}{2}$ watt resistor
- 1 1 meg. $\frac{1}{2}$ watt resistor
- 1 Magic Eye Holder
- 1 4 wire cable
- 1 6E5 valve

COILS

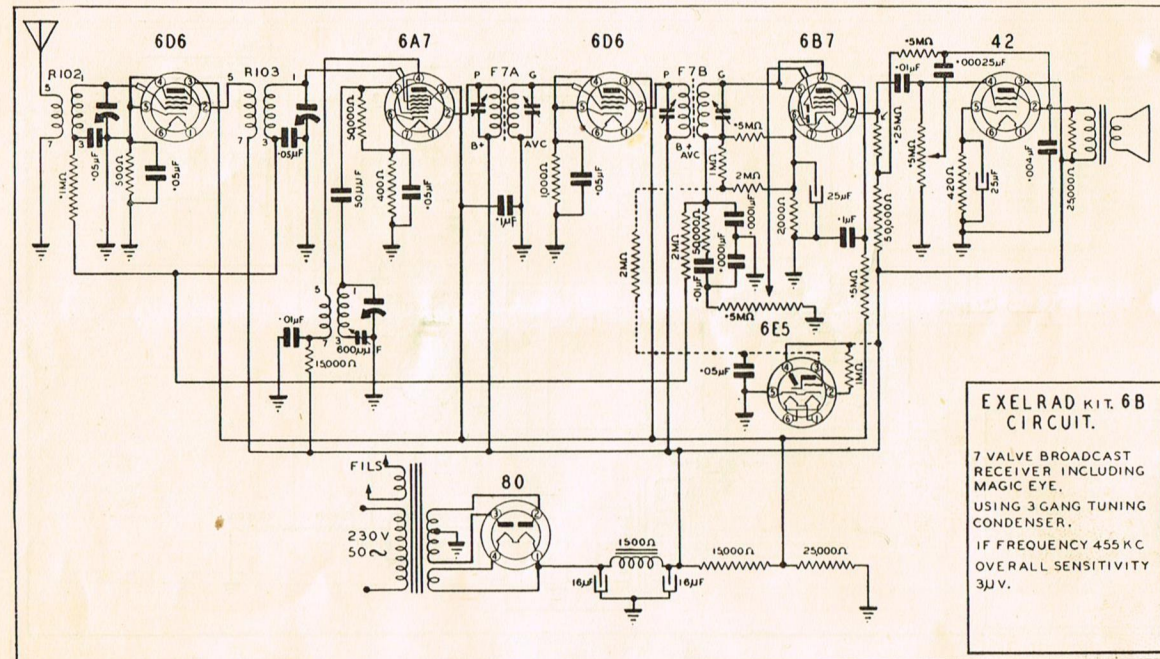
- 1 126 High Gain
- 1 127 High Gain
- 1 190 High Gain
- 1 F7A Iron Cored High Gain
- 1 F7B Iron Cored High Gain
- 1 wave change switch
- 4 Small valve shields
- 1 Large valve shield
- 1 1500 w. speaker with 4-pin plug
- 1 Power transformer
- 1 3 wire power Flex
- 4 Control knobs
- 1 Chassis
- 1 3-gang condenser mounting bracket
- Hookup Wire. Shielded leads. Nuts and bolts. Grid Caps. Warning plate. Spaghetti, etc.

- PRICE COMPLETE—LESS MAGIC EYE £17 5 0
- PRICE COMPLETE—WITH MAGIC EYE £18 10 0
- PRICE COMPLETE—LESS VALVES £15 19 6
- PRICE COMPLETE—LESS VALVES & SPEAKER £14 5 0

For BEST RESULTS USE T.C.C. CONDENSERS & ERIE RESISTORS

EXELRAD KIT SETS

6B.—Six Valve Broadcast with Magic Eye optional.



LIST OF PARTS.

- 1 New design Dial
- 1 3-gang tuning condenser 1791B
- 2 4-pin valve sockets
- 3 6-pin valve sockets
- 2 7-pin valve sockets
- 4 Rubber grommets
- 4 Washers for grommets
- 4 Spacers for grommets
- 2 16 mf metal electros 500v. wet
- 2 25 mf paper electros 25v. dry
- 1 600 mmf padder condensers
- 1 .004 mf mica cond., 1000v.
- 1 .00025 mf mica cond.
- 2 .0001 mf mica cond.
- 1 .00005 mf mica cond.
- 3 25 mmf trimmers, M 3760
- 2 .1 mf paper condrs. 350v.
- 5 .05 mf paper condrs. 350v.
- 3 .01 mf paper condrs. 350v.
- 2 .5 meg. variable controls
- 2 meg. carbon resistors ½ watt
- 1 1 meg. carbon resistors ½ watt
- 3 .5 meg. carbon resistors ½ watt
- 1 .25 meg. carbon resistors ½ watt
- 1 1 meg. carbon resistors ½ watt
- 3 50,000 ohm resistors, carbon ½ w.
- 1 2,000 ohm resistors, carbon ½ w.
- 1 1,000 ohm resistors, carbon ½ w.
- 1 500 ohm resistors, carbon ½ w.
- 1 400 ohm resistors, carbon ½ w.
- 2 25,000 ohm resistors, carbon 1 w.
- 2 15,000 ohm resistors, carbon 1 w.
- 1 420 ohm resistors, carbon 1 w.
- Tung-Sol Valves: 2x6D6; 1x6A7; 1x6B7; 1x42; 1x80.

EXTRA FOR MAGIC EYE.

- 1 .05 paper condenser 350v.
- 1 2 meg. carbon resistor ½ watt
- 1 1 meg. carbon resistor ½ watt
- 1 6 pin magic eye socket
- 1 4 wire cable
- 1 6E5 valve

COILS

- 1 R102 High Gain
- 1 R103 High Gain
- 1 R104 High Gain
- 1 F7A Iron Cored High Gain
- 1 F7B Iron Cored High Gain
- 4 Small valve shields
- 1 Large valve shield
- 1 15,000 w. speaker with 4-pin plug
- 1 Power transformer
- 1 3 core power flex
- 4 Control knobs
- 1 Chassis

Hook-up wire. Shielded leads. Nuts and Bolts. Grid Caps. Warning Plate, Spaghetti, etc.

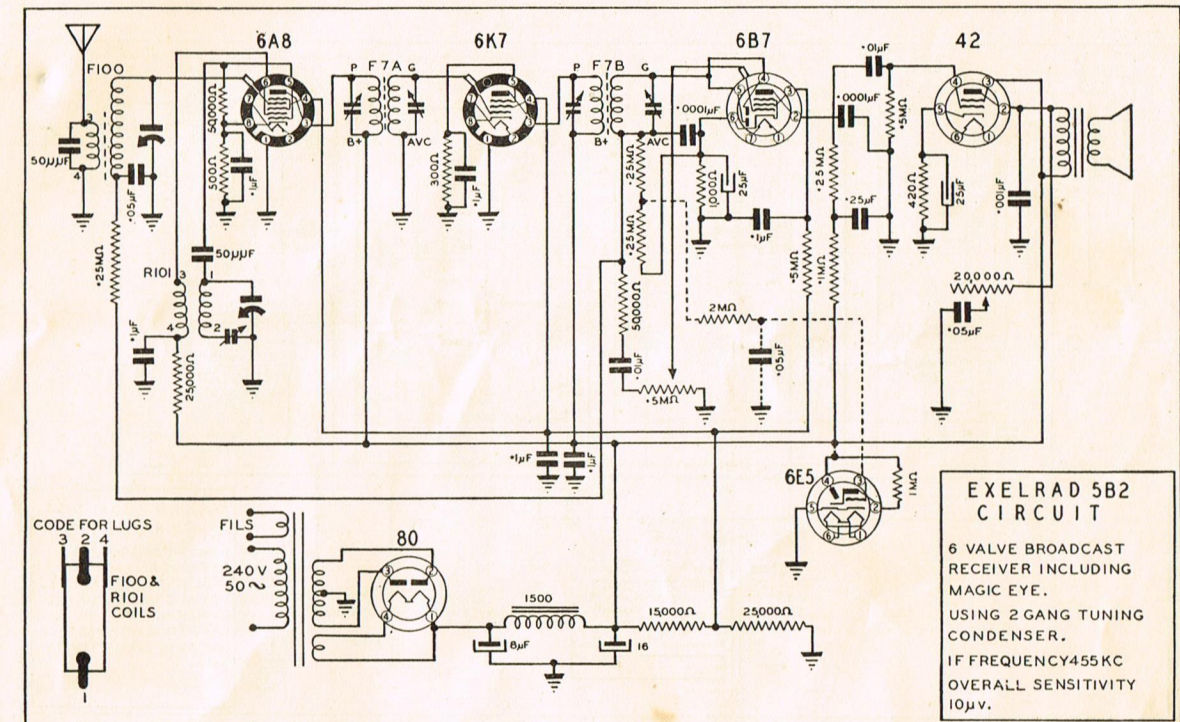
- 1 3-gang condenser Mounting Bracket

PRICE COMPLETE—LESS MAGIC EYE	£15 15 0
PRICE COMPLETE—WITH MAGIC EYE	£16 10 0
PRICE COMPLETE—LESS VALVES	£13 15 0
PRICE COMPLETE—LESS VALVES & SPEAKER	£12 5 0

FOR BEST RESULTS USE ONLY TUNG-SOL VALVES

EXELRAD KIT SETS

5B2.—Five Valve Broadcast with Magic Eye optional.



LIST OF PARTS.

- 1 New design Dial
- 1 2-gang tuning condenser 1833A
- 2 4-pin valve sockets
- 1 6-pin valve socket
- 1 7-pin valve socket
- 2 8-pin valve sockets
- 3 Rubber grommets
- 3 Washers for grommets
- 3 Spacers for grommets
- 1 8 mf metal electros 500v. wet
- 1 16 mf metal electros 500v. wet
- 2 25 mf paper electros 25v. dry
- 1 600 mmf padder condensers
- 1 .001 mf mica cond. 1000v.
- 2 .0001 mf mica cond.
- 2 .00005 mf mica cond.
- 2 25 mmf trimmers, M 3760
- 1 .25 mf paper condrs. 350v.
- 6 .1 mf paper condrs. 350v.
- 2 .05 mf paper condrs. 350v.
- 2 .01 mf paper condrs. 350v.
- 1 .5 meg. variable controls
- 1 20,000 ohm variable controls
- 2 .5 meg. carbon resistors ½ watt
- 4 .25 meg. carbon resistors ½ watt
- 1 .1 meg. carbon resistors ½ watt
- 2 50,000 ohm resistors, carbon ½ w.
- 1 25,000 ohm resistors, carbon ½ w.
- 1 1,000 ohm resistors, carbon ½ w.
- 1 500 ohm resistors, carbon ½ w.
- 1 300 ohm resistors, carbon ½ w.
- 1 25,000 ohm resistors, carbon 1 w.
- 1 15,000 ohm resistors, carbon 1 w.
- 1 420 ohm resistors, carbon 1 w.
- Tung-Sol Valves: 1x6A8; 1x6K7; 1x6B7; 1x42; 1x80.

EXTRA FOR MAGIC EYE.

- 1 1 meg. carbon resistor ½ watt
- 1 2 meg. carbon resistor ½ watt
- 1 .05 paper condenser 350v.
- 1 6-pin Magic Eye holder
- 1 4 wire cable
- 1 6E5 valve

COILS

- 1 F100 High Gain
- 1 R101 High Gain
- 1 F7A Iron Cored High Gain
- 1 F7B Iron Cored High Gain
- 1 Valve shield for 6B7
- 1 1500 w. speaker with 4-pin plug
- 1 power transformer
- 1 3 wire power flex
- 3 Control knobs
- 1 Chassis

Hook-up wire. Shielded Leads. Mounting Bolts and Nuts. Grid Caps. Warning Plate. Spaghetti.

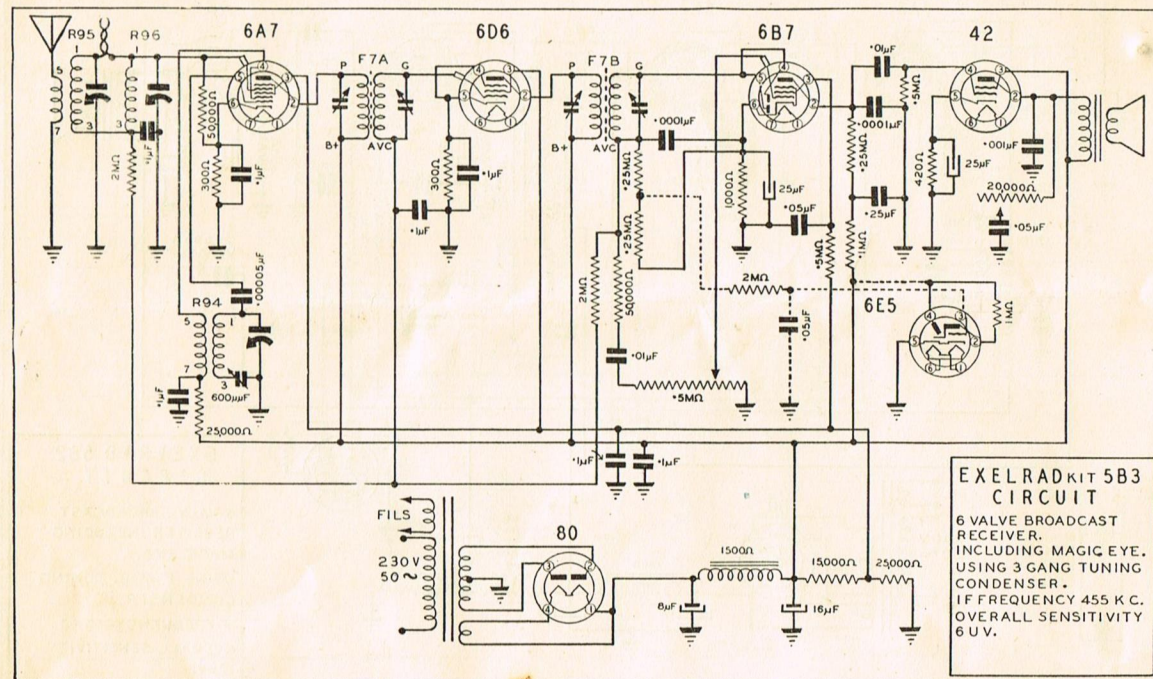
- 1 2-gang condenser mounting bracket.

PRICE COMPLETE—LESS MAGIC EYE	£14 5 0
PRICE COMPLETE—WITH MAGIC EYE	£15 10 0
PRICE COMPLETE—LESS VALVES	£13 0 0
PRICE COMPLETE—LESS VALVES & SPEAKER	£11 5 0

FOR BEST RESULTS USE ONLY TUNG-SOL VALVES

EXELRAD KIT SETS

5B3.—Five Valve Broadcast, with preselector. Magic Eye optional.



**EXELRAD KIT 5B3
CIRCUIT**
6 VALVE BROADCAST
RECEIVER.
INCLUDING MAGIC EYE.
USING 3 GANG TUNING
CONDENSER.
IF FREQUENCY 455 K.C.
OVERALL SENSITIVITY
6 UV.

LIST OF PARTS.

- 1 New type Dial
- 1 3-gang tuning condenser 1791B
- 2 4-pin valve sockets
- 2 6-pin valve sockets
- 2 7-pin valve sockets
- 4 Rubber grommets
- 4 Washers for grommets
- 4 Spacers for grommets
- 1 8 mf metal electros 500v. wet
- 1 16 mf metal electros 500v. wet
- 2 25 mf paper electros 25v. dry
- 1 600 mmf padder condensers
- 1 .001 mf mica cond. 1000v.
- 2 .0001 mf mica cond.
- 3 25 mmf trimmers, M3760
- 1 .25 mf paper condrs. 350v.
- 7 .1 mf paper condrs. 350v.
- 2 .05 mf paper condrs. 350v.
- 2 .01 mf paper condrs. 350v.
- 1 .5 meg. variable controls
- 1 20,000 ohm variable controls
- 2 2 meg. carbon resistors $\frac{1}{2}$ watt
- 2 .5 meg carbon resistors $\frac{1}{2}$ watt
- 3 .25 meg carbon resistors $\frac{1}{2}$ watt
- 1 .1 meg. carbon resistors $\frac{1}{2}$ watt
- 2 50,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 25,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 1,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 2 300 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 25,000 ohm resistors, carbon 1 w.
- 1 15,000 ohm resistors, carbon 1 w.
- 1 420 ohm resistors, carbon 1 w.

EXTRA FOR MAGIC EYE.

- 1 1meg. carbon resistor $\frac{1}{2}$ watt
- 1 2 meg. carbon resistor $\frac{1}{2}$ watt
- 1 .05 Paper condenser 350v.
- 1 6-pin Magic Eye Holder
- 1 4 wire cable
- 1 6E5 valve

COILS

- 1 R94 High Gain
- 1 R95 High Gain
- 1 R96 High Gain
- 1 F7A Iron Cored High Gain
- 1 F7B Iron Cored High Gain
- 3 Small valve shields
- 1 Large valve shield
- 1 1500 w. speaker with 4-pin plug
- 1 Power transformer
- 1 3 wire power flex
- 4 Control knobs
- 1 Chassis

Hookup wire. Shielded Leads. Bolts and Nuts. Grid Caps. Warning Plate. Spaghetti, etc.

1 3-gang condenser mounting bracket.

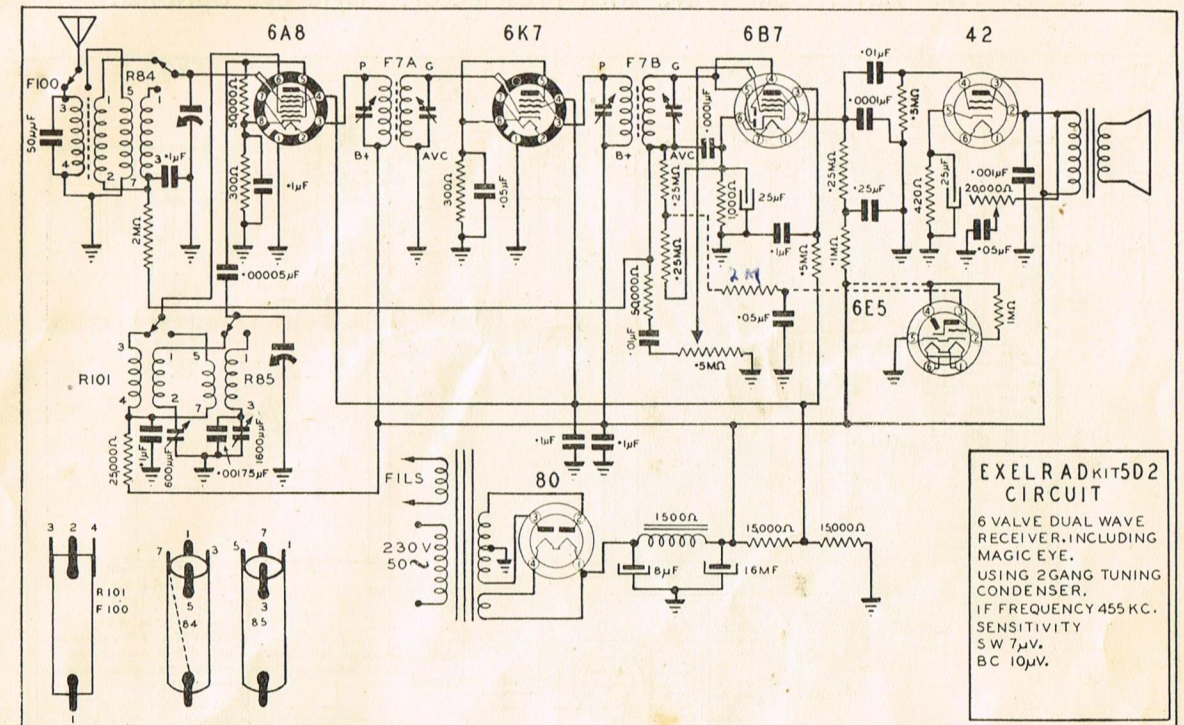
PRICE COMPLETE—LESS MAGIC EYE	£14 10 0
PRICE COMPLETE—WITH MAGIC EYE	£15 15 0
PRICE COMPLETE—LESS VALVES	£13 10 0
PRICE COMPLETE—LESS VALVES & SPEAKER	£11 15 0

Tung-Sol Valves: 1x6A7; 1x6D6; 1x6B7; 1x42; 1x80.

ALWAYS ASK FOR EXELRAD POWER TRANSFORMERS

EXELRAD KIT SETS

5D2.—Five Valve, Dual Wave, with Magic Eye optional.



**EXELRAD KIT 5D2
CIRCUIT**
6 VALVE DUAL WAVE
RECEIVER, INCLUDING
MAGIC EYE.
USING 2 GANG TUNING
CONDENSER.
IF FREQUENCY 455 KC.
SENSITIVITY
5 W 7 μ V.
BC 10 μ V.

LIST OF PARTS.

- 1 New type Dial
- 1 2-gang tuning condenser 1833A
- 2 4-pin valve sockets
- 1 6-pin valve sockets
- 1 7-pin valve socket
- 2 8-pin valve sockets
- 3 Rubber grommets
- 3 Washers for grommets
- 3 Spacers for grommets
- 1 8 mf metal electros 500v. wet
- 1 16 mf metal electros 500v. wet
- 2 25 mf paper electros 25v. dry
- 1 1600 mmf padder condensers
- 1 600 mmf padder condensers
- 1 .00175 mf mica cond. 1000v.
- 1 .001 mf mica cond.
- 2 .0001 mf mica cond.
- 2 .00005 mf mica cond.
- 4 25 mmf trimmers, M 3760
- 1 .25 mf paper condrs. 350v.
- 6 .1 mf paper condrs 350v.
- 2 .05 mf paper condrs 350v.
- 2 .01 mf paper condrs. 350v.
- 1 .5 meg. variable controls
- 1 20,000 ohm variable controls
- 2 2 meg. carbon resistors $\frac{1}{2}$ watt
- 2 .5 meg carbon resistors $\frac{1}{2}$ watt
- 3 .25 meg carbon resistors $\frac{1}{2}$ watt
- 1 .1 meg. carbon resistors $\frac{1}{2}$ watt
- 2 50,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 25,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 1 1,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 2 300 ohm resistors, carbon $\frac{1}{2}$ w.
- 2 15,000 ohm resistors, carbon 1 w.
- 1 420 ohm resistors, carbon 1 w.

Tung-Sol Valves: 1x6A8; 1x6k7; 1x6B7; 1x42; 1x80.

EXTRA FOR MAGIC EYE.

- 1 1 meg. carbon resistor $\frac{1}{2}$ watt
- 1 2 meg. carbon resistor $\frac{1}{2}$ watt
- 1 .05 mf paper condenser 350v.
- 1 6-pin magic eye socket
- 1 4 wire cable
- 1 6E5 valve

COILS

- 1 F100 High Gain
- 1 R101 High Gain
- 1 R84 High Gain
- 1 R85 High Gain
- 1 F7A Iron Cored High Gain
- 1 F7B Iron Cored High Gain
- 1 Wave change switch
- 1 Valve shield for 6B7 valve
- 1 1500 w. speaker complete with 4-pin plug
- 1 Power transformer
- 1 3 Wire power cord
- 4 Control knobs
- 1 Chassis

Hookup Wire. Shielded Vol. Cont. Leads. Mounting Nuts and Bolts. Grid Caps. Warning Plate. Spaghetti, Tind Wire.

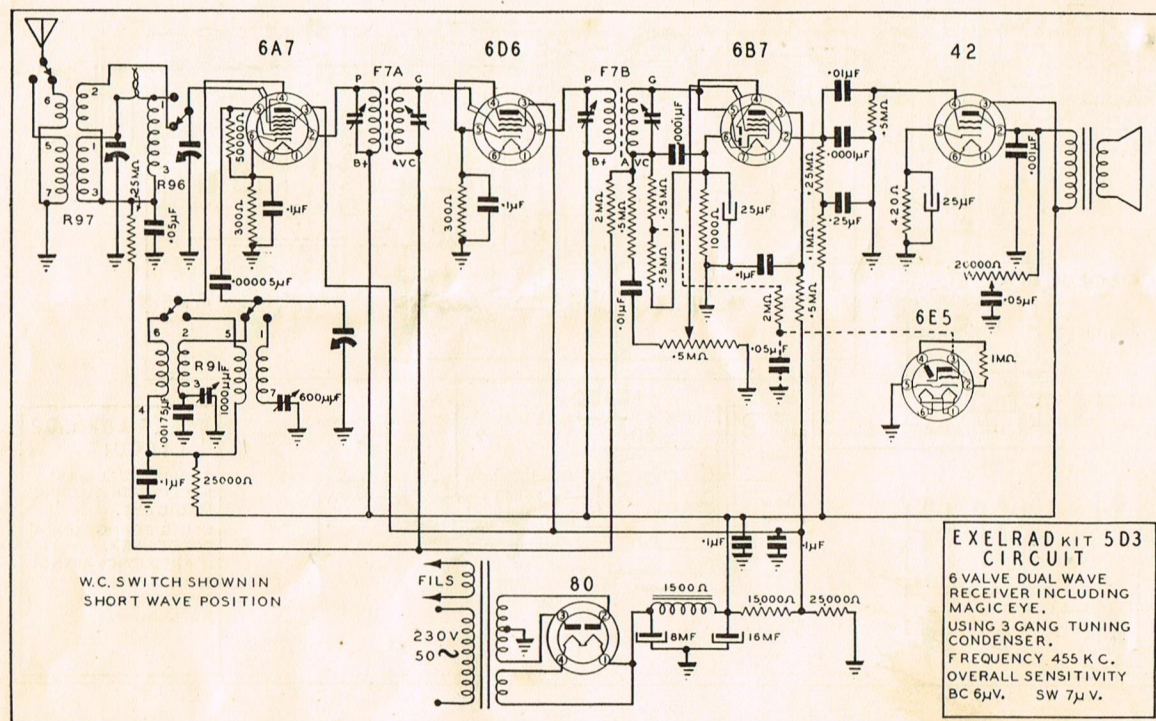
1 2-gang condenser Mounting Bracket.

PRICE COMPLETE—LESS MAGIC EYE	£15 10 0
PRICE COMPLETE—WITH MAGIC EYE	£16 15 0
PRICE COMPLETE—LESS VALVES	£14 5 0
PRICE COMPLETE—LESS VALVES & SPEAKER	£12 10 0

BE SURE YOU ASK FOR EXELRAD AUDIO TRANSFORMERS

EXELRAD KIT SETS

5D3. — Five Valve, Dual Wave with Preselector, Magic Eye optional.



LIST OF PARTS.

- 1 New design Dial
- 1 3-gang tuning condenser 1791B
- 2 4-pin valve sockets
- 2 6-pin valve sockets
- 2 7-pin valve sockets
- 4 Rubber grommets
- 4 Washers for grommets
- 4 Spacers for grommets
- 1 8 mf metal electros 500v. wet
- 1 16 mf metal electros 500v. wet
- 2 25mf paper electros 25v. dry
- 1 1000 mmf padder condensers
- 1 600 mmf padder condensers
- 1 .00175 mf mica cond. 1000v.
- 1 .001 mf mica cond.
- 2 .0001mf mica cond.
- 1 25mmf trimmers M 3760
- 5 .1 mf paper condrs. 350v.
- 2 .05 mf paper condrs. 350v.
- 2 .01 mf paper condrs. 350v.
- 1 .5 meg. variable controls
- 1 20,000 ohm variable controls
- 1 2 meg. carbon resistors $\frac{1}{2}$ watt
- 3 .5 meg. carbon resistors $\frac{1}{2}$ watt
- 4 .25 meg. carbon resistors $\frac{1}{2}$ watt
- 1 .1 meg. carbon resistors $\frac{1}{2}$ watt
- 1 1,000 ohm resistors, carbon $\frac{1}{2}$ w.
- 2 300 ohm resistors, carbon $\frac{1}{2}$ w.
- 2 25,000 ohm resistors, carbon 1 w.
- 1 15,000 ohm resistors, carbon 1 w.
- 1 420 ohm resistors, carbon 1 w.

Tung-Sol Valves: 1x6A7; 1x6B7; 1x6D6; 1x42; 1x80

EXTRA FOR EYE.

- 1 .05 paper condenser 350v.
- 1 1 meg. $\frac{1}{2}$ watt resistor
- 1 2 meg. $\frac{1}{2}$ watt resistor
- 1 Magic Eye holder
- 1 4 wire cable
- 1 6E5 valve

COILS

- 1 R91 High Gain
- 1 R96 High Gain
- 1 R97 High Gain
- 1 F7A Iron Cored High Gain
- 1 F7B Iron Cored High Gain
- 1 Wave change switch
- 3 Small valve shields
- 1 Large valve shield
- 1 1500w. Speaker with 4-pin plug
- 1 Power transformer
- 1 3 wire power flex
- 4 Control knobs
- 1 Chassis

Hookup Wire. Shielded Leads. Mounting Nuts and Bolts.
Grid Caps. Warning Plate. Spaghetti, etc.
1 3-gang condenser mounting bracket.

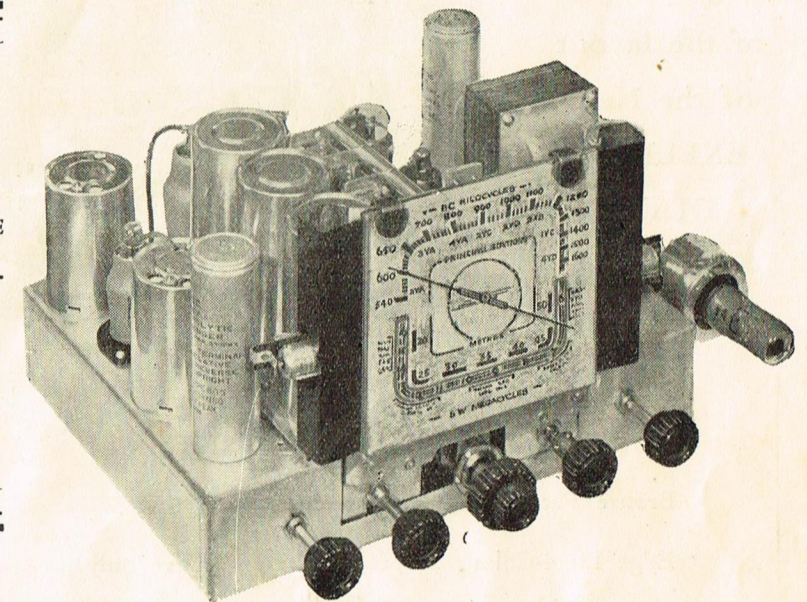
PRICE COMPLETE—LESS MAGIC EYE	£15 5 0
PRICE COMPLETE—WITH MAGIC EYE	£16 0 0
PRICE COMPLETE—LESS VALVES	£13 15 0
PRICE COMPLETE—LESS VALVES & SPEAKER	£12 0 0

The Exelrad 'Champion 7'

The Outstanding Kit Set for 1939!

FEATURES:

- MAGICMASTER R.F. UNIT
- FOUR COLOUR EDGE-LIT DIAL
- 7 VALVES INCLUDING MAGIC EYE
- MAGIC CORE (IRON) LOW LOSS I.F. TRANSFORMERS
- SPECIAL MAGIC EYE HOLDER
- BEAUTIFUL TONE, EXCEPTIONAL SENSITIVITY.



WHATEVER YOUR ABILITY

YOU CAN BUILD THIS SET

Here it is—the outstanding set of 1938-39. A kitset which an expert or an amateur can construct with equal facility. The most sensational 7 VALVE KITSET ever offered to the Home Constructor. The "Magic Master" unit is seen and described below—the Magic Core (iron) Low Loss I.F. Transformers give unrivalled sensitivity and selectivity. The dial is the very latest in dials and the whole set certainly lives up to the EXELRAD tradition of offering the most outstanding kitsets.

THE "MAGIC MASTER" R.F. UNIT

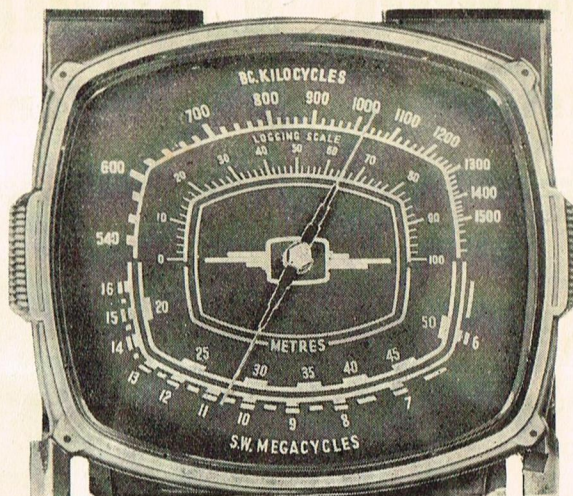
is entirely wired and assembled under the most up-to-date factory methods and tested with the most modern testing equipment, ensuring commercial receiver performance. Completely assembled and ready to connect, it will save the constructor time and trouble.

Price £10-10-0.

Complete with Valves and Speaker	£19 19 6
Less Speaker	£18 15 0
Magic Master R.F. Unit	£10 10 0

FOR SAFETY USE T.C.C. CONDENSERS AND ERIE RESISTORS

This illustration
will give an idea
of the layout
of the New
EXELRAD
DIALS



Exelrad Dials are obtainable in two varieties:

1. Edge-lit in Dual Wave only;
2. Bronze Face with printed scale in one colour for Broadcast, Dual Wave or All Wave.

Both are complete with large Bronze Escutcheon.

PRICES:

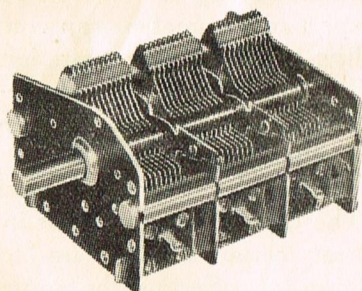
Bronze Face Complete with Escutcheon 25/-

Edge Lit 4-Colour 2-Speed for Dual Wave only 45/-

Complete with Escutcheon.

Plessey Ganged Condensers

(for Exelrad Kits)

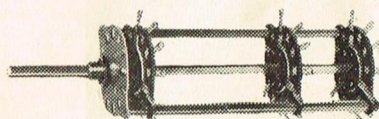


3 Gang .000375 Anti Clock, or Clock-wise Rotation. Price 15/-

2 Gang .000375 Anti Clock, or Clock-wise Rotation. Price 10/6

SWITCHES

(Wave Change)



For All Wave Kits, price 15/6

For Dual Wave Kits, price 13/6