

SERVICE BULLETIN

SERVICE BULLETIN No. 9

MODEL 15 : 5-VALVE BROADCAST RECEIVER.

1st Ed 1935
2nd Edition, September, 1936.

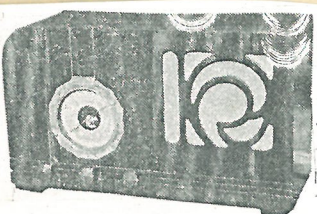
*direct adapter
in an enclosure*

S/N 62197

(1936)

SEMPER FIDELIS

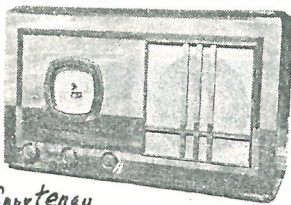
(brown set) crown escutcheon
small dial scale fitted
& std circular dial track
assy
cabinet label dated 10-7-35



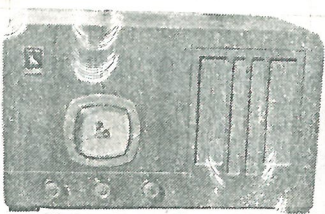
CQ 5-valve BC model 15 1936

PROPERTY OF
J.W.S. OKE

Note
→ Audiotape S/N 78920 (1937)
on separate rear nameplate
→ Columbia on dial



Courtesy
Model 15 5-valve BC
"Overture" cabinet 1936



Courtesy
Model 15 5-valve EC 1935-36

CORPORATION
EALAND LTD

SERVICE BULLETIN No. 9

MODEL 15 : 5-VALVE BROADCAST RECEIVER.

2nd Edition, September, 1936.

1. **GENERAL:** This model has been revised as to coil types and also as regards biasing of the output pentode. The latter is now self-biased so that both the smoothing electrolytics are grounded. The coils and intermediate-frequency transformers are all iron-cored, giving improved selectivity.

2. ELECTRICAL SPECIFICATIONS:

Power supply	225-250 vol's
Power consumption	60 watts
Audio power output	3 watts
Valves used	Frequency-changer 6A7
	I.F. amplifier 6D6
	Detector-amp. 6B7
	Output pentode 42
	Rectifier 80
Intermediate frequency	456 kc/sec.
Broadcast band	550-1500 kc/sec.
Line-up frequencies	Intermediate frequency 456 kc/sec.
	Broadcast band 600 and 1400 kc/sec.

3. VOLTAGE TESTS : A.C.—

High-tension secondary of power transformer, from each rectifier plate to ground	330-310 volts ?
Heater of rectifier	5 volts
All other heaters	6 volts

D.C.—

Unfiltered voltage, rectifier heater to ground	300 volts
Filtered voltage, speaker field to ground	235 volts
Other voltages to ground, using 1000 ohm per volt meter on 500 volt range except where otherwise stated:—	

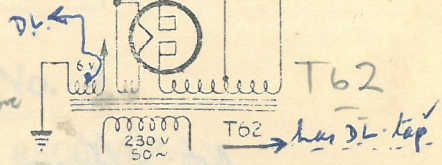
Valve.	Function.	Plate.	Osc. Plate.	Screen†.	Cathode.
6A7	Freq'y changer	235	150	80	3*
6D6	I.F. amplifier	235	—	80	2.5*
6B7	Detector-amp.	20	—	12	—
42	Output pentode	220	—	235	14†

† 100 volt range.

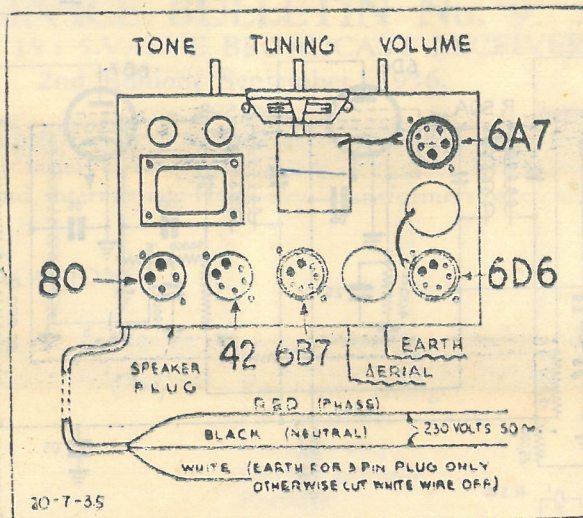
4. RESISTANCE TESTS :

Coil.	Where measured.	Resistance in Ohms.
Power tran. primary	Across power cord.	Approx. 40
H.T. secondary	Each rectifier plate to ground.	Approx. 350
Speaker field	"Fil." of speaker socket.	1500
1st I.F. primary	(See Circuit)	10
1st I.F. secondary	(See Circuit)	10
2nd I.F. primary	(See Circuit)	10
2nd I.F. secondary	(See Circuit)	10
Antenna coil primary	(See Circuit)	15
Antenna coil secondary	(See Circuit)	8
Oscillator coil secondary	(See Circuit)	2
Oscillator coil primary	(See Circuit)	6
Speaker input transformer	"P" to "G" of spkr. socket	Approx. 500

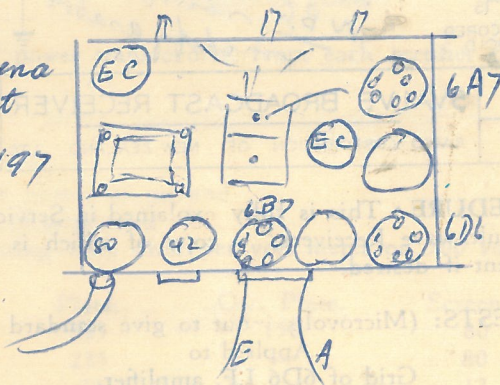
early model T62 power transf. has tap for 3.8V dual liter



CHKD	DATE
5	18-5-31



*Note difference
on layout
S/N 62197*



Long Lead