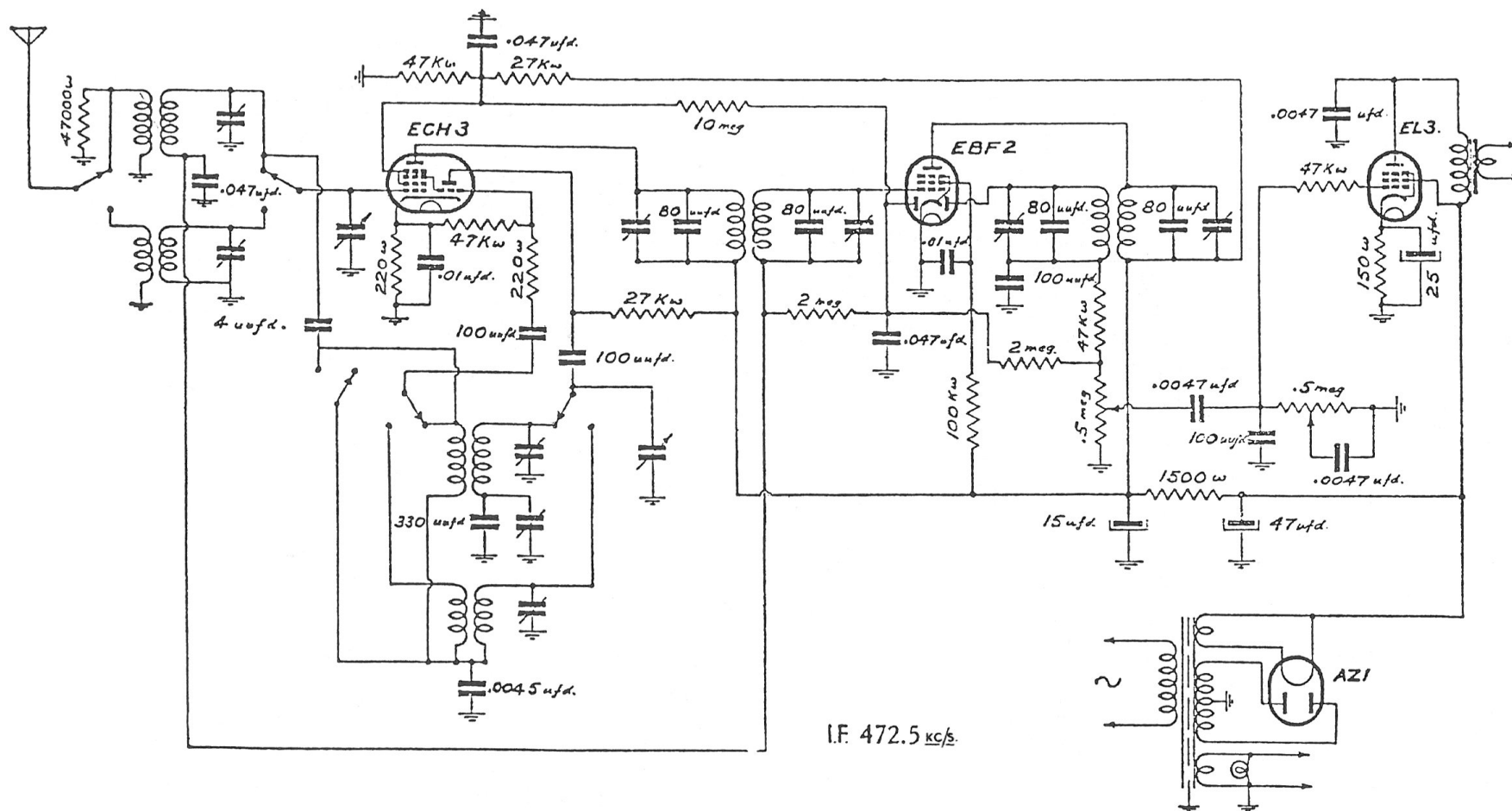
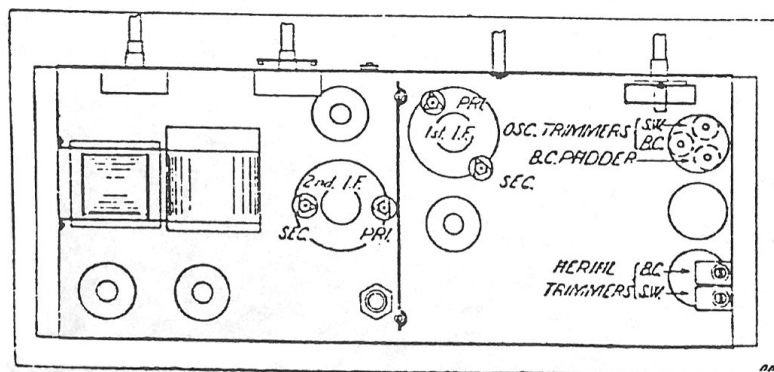


PHILIPS RADIOPLAYER MODEL 042



MODIFICATIONS FOR RECEIVERS WITH SERIAL NUMBERS OVER 6600

1. The 4,700 ohm resistor across the broadcast aerial coil is removed.
2. The 100 mmf. condenser from grid circuit of the EL3 to earth is removed.
3. The tone control is connected from earth through a .47 megohm resistor to the junction of the .0047 mf. condenser and the 47,000 ohm resistor in the EL3 grid circuit. The moving arm of the tone control is connected through a 100 mmf. condenser to the plate of the EL3.
4. The 4 mmf. condenser between the top of the broadcast grid coil of the ECH3 and the top of oscillator grid coil is removed.
5. The EBF2 has a cathode resistor of 100 ohms bypassed by a 25 mf. condenser.
6. The low end of the volume control is connected to the cathode of the EBF2 instead of to earth.
7. The oscillator coil and the panel with the three air dielectric trimmers are interchanged on the chassis.



UNDERNEATH VIEW OF CHASSIS
Showing position of Trimmers

VOLTAGE TABLE

Valve	Plate	Screen	Cathode	Heater
ECH3	225	100	2	6.3
EBF2	225	70	0(.6)†	6.3
EL3	230	225	5	6.3
AZ1	240v. A.C.	per anode		4

*Varies with waveband and dial setting.

†Applies to later models.

The voltages given in this table apply when a voltmeter of 1,000 ohms per volt is used, the band-switch being in the broadcast position and no signal input to the receiver. Variations in voltage readings up to 10% are permissible.

INTERNAL CONNECTIONS OF COILS

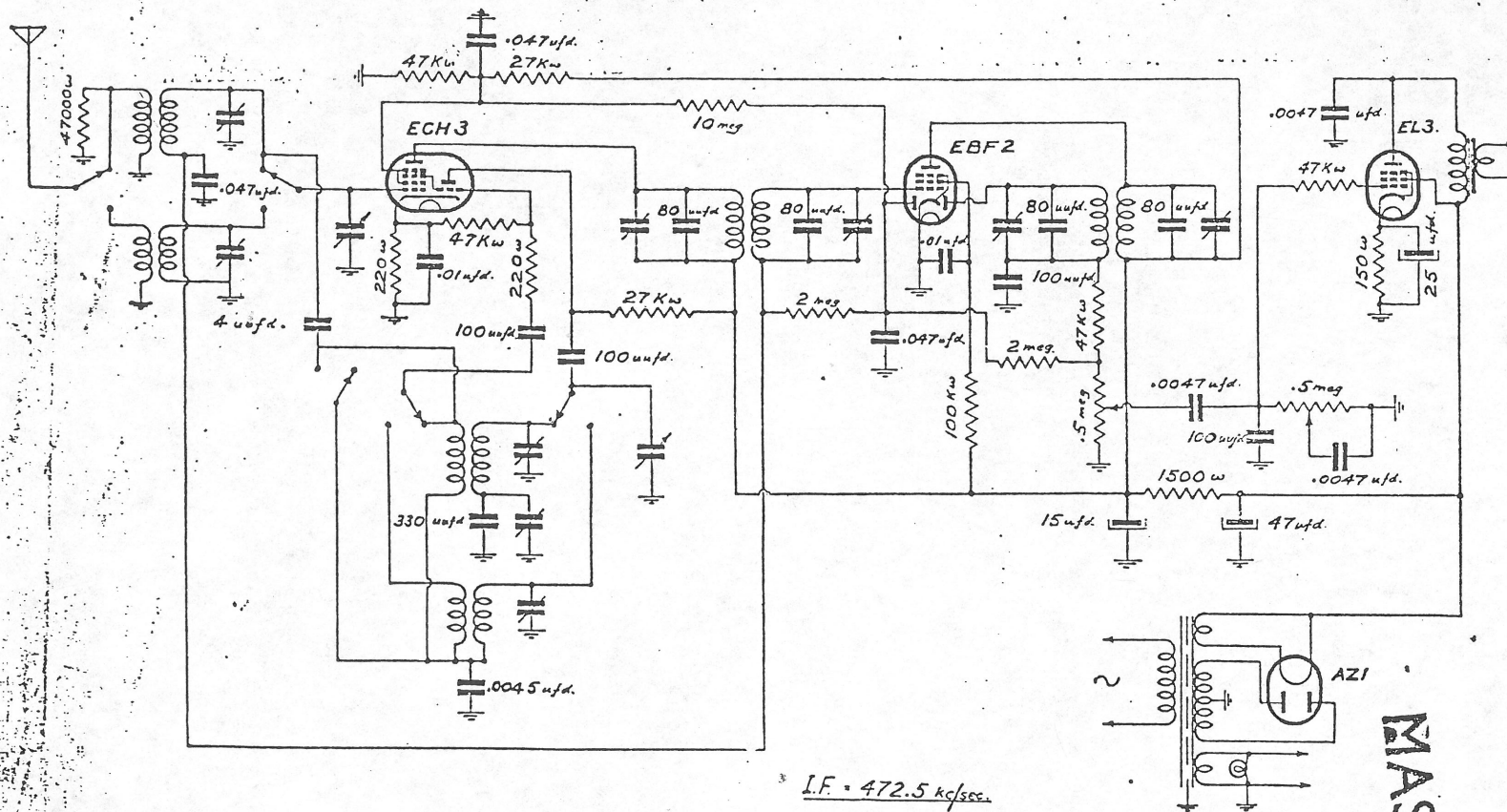
Aerial Coil (type 732NZ)

B.C.	{ Primary	7-3
	{ Secondary	8-4
S.W.	{ Primary	2-3
	{ Secondary	1-5

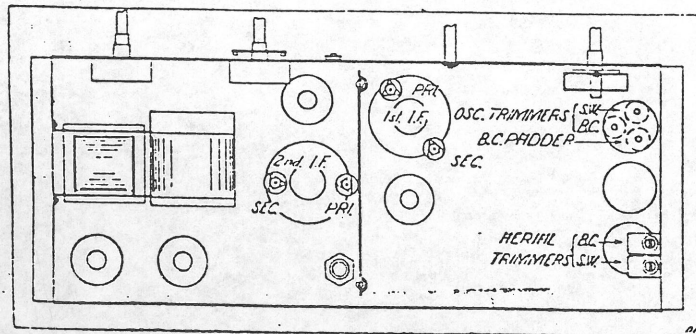
Oscillator Coil (type 244NZ)

B.C.	{ Plate Coil	8-4
	{ Grid Coil	7-3
S.W.	{ Plate Coil	1-5
	{ Grid Coil	2-3

PHILIPS RADIOPLAYER MODEL 042



$I.F. = 472.5 \text{ kc/sec.}$
NB. FOR W READ Ω (OHMS)



UNDERNEATH VIEW OF CHASSIS
Showing position of Trimmers

VOLTAGE TABLE

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ECH3	225	100	2	6.3
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EL3	230	225	5	6.3
AZ1	240v. A.C.	per anode	4	

*Varies with waveband and dial setting.

†Applies to later models.

The voltages given in this table apply when a voltmeter of 1,000 ohms per volt is used, the band-switch being in the broadcast position and no signal input to the receiver. Variations in voltage readings up to 10% are permissible.

MODIFICATIONS FOR RECEIVERS WITH SERIAL NUMBERS OVER 6600

1. The 4,700 ohm resistor across the broadcast aerial coil is removed.
2. The 100 mmf. condenser from grid circuit of the EL3 to earth is removed.
3. The tone control is connected from earth through a .47 megohm resistor to the junction of the .0047 mf. condenser and the 47,000 ohm resistor in the EL3 grid circuit. The moving arm of the tone control is connected through a 100 mmf. condenser to the plate of the EL3.
4. The 4 mmf. condenser between the top of the broadcast grid coil of the ECH3 and the top of oscillator grid coil is removed.
5. The EBF2 has a cathode resistor of 100 ohms bypassed by a 25 mf. condenser.
6. The low end of the volume control is connected to the cathode of the EBF2 instead of to earth.
7. The oscillator coil and the panel with the three air dielectric trimmers are interchanged on the chassis.

INTERNAL CONNECTIONS OF COILS

Aerial Coil (type 732NZ)

B.C.	Primary	7-3
	Secondary	8-4
S.W.	Primary	2-3
	Secondary	1-5

Oscillator Coil (type 244NZ)

B.C.	Plate Coil	8-4
	Grid Coil	7-3
S.W.	Plate Coil	1-5
	Grid Coil	2-3

MASTER FILE

042

PHILIPS 042

L10