

FERRIS CAR RADIO.

MODEL 99

VOLTAGE ANALYSIS

Valve.	Anode		Screen		Cathode		Back Bias		Filt.	H.T.
	6V	12V	6V	12V	6V	12V	6V	12V		
6AB6 RF	207.	207.	55	55	-	-				
6BE6	207	207	55	55	-	-				
6AB6 IF	207	207	55	55	-	-			207	207
6AV6	80	80								
6AQ5	205	205	207	207	10	10				
6 x 4	240AC	240AC			225	225				
							-2	-2		

Voltage data under no signal conditions measured with
Palc 1000 O.P.V.Meter.

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LIST OF COMPONENTS

CAPACITORS

C1- 100pf mica
C2- .05 uf tubular
C3- .05 uf tubular
C4- 50pf mica
C5- .05 uf tubular
C6- 475 pf mica $\pm 2\%$
C7- 15pf mica
C8- .05 uf tubular
C9- 100 pf mica
C10-100 pf mica
C11-.005 uf tubular
C12-100 pf mica
C13-.005 uf tubular
C14- 100 pf mica
C15 .01 uf tubular
C16-25 uf x 40P.V.Electrolytic
C17-16uf x 350 P.V.Electrolytic
C18-.005 uf tubular
C19-.001 uf mica
C20-.5 uf tubular
C21-16 uf x 350 P.V.Electrolytic
C22-.1 uf tubular.
C23-.1 uf tubular.
C24-.5 uf tubular
C25-.02 uf tubular
C26-.02 uf tubular
C27-.1 uf tubular

G.1.,G.2.,G.3., 3-gang tuning capacitor.

INDUCTANCES

L.1. Aerial filter choke
L.2. Slug tuned miniature aerial coil
L.3. Slug tuned miniature R.F.coil.
L.4. Slug tuned miniature oscillator coil.

TRANSFORMERS

T.1. Slug tuned miniature 455 KC/S IF Transformer.
T.2. Slug tuned miniature 455 KC/S IF Transformers.
T.3. Speaker transformer- primary impedance 7,000 ohms
T.4. Power transformer.

VIBRATOR 6/12 volt Non-Sync.Vibrator.

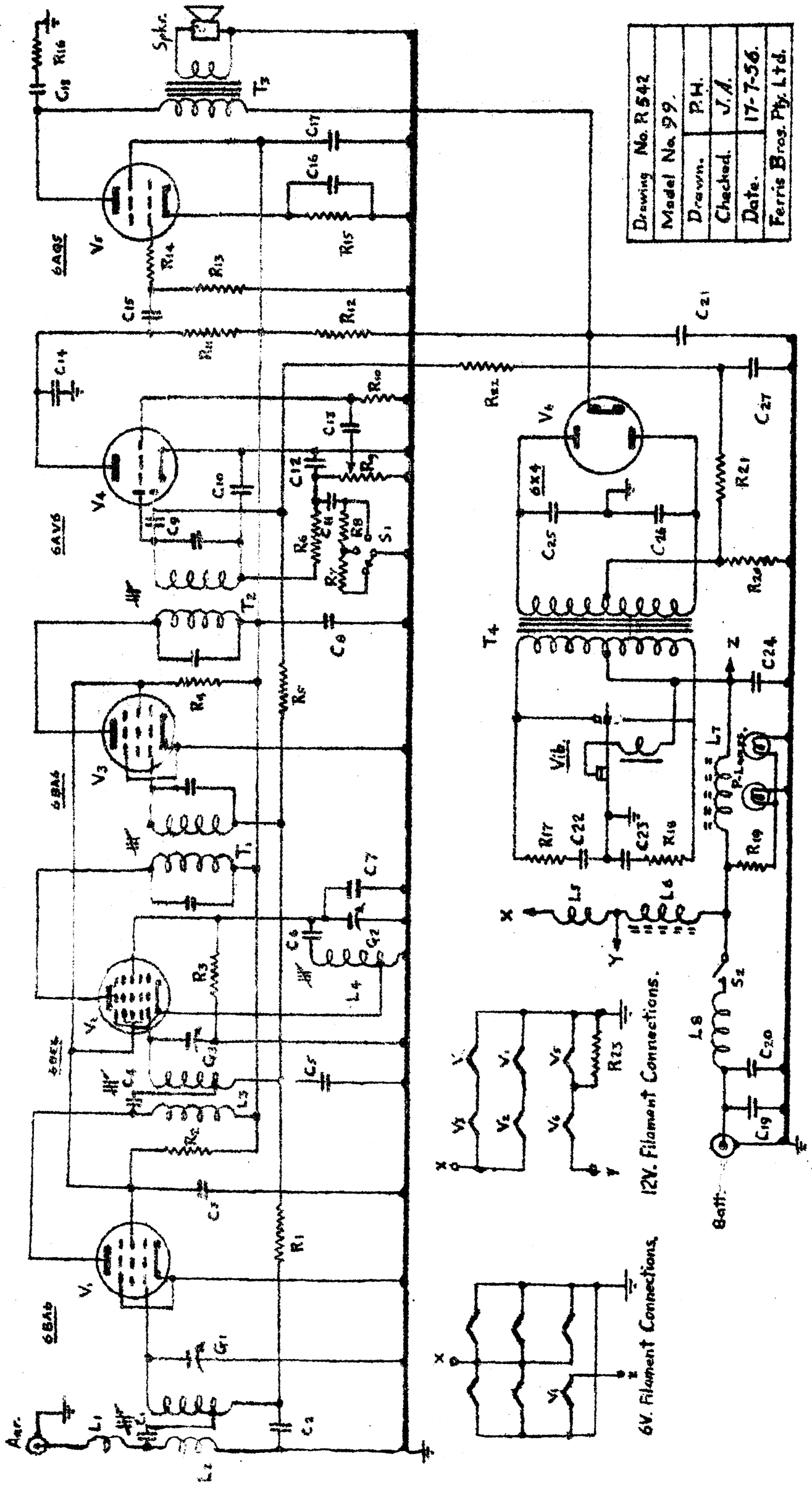
VALVES

V.1. 6BA6. R.F.
V.2. 6BE6.
V.3. 6BA6 I.F.
V.4. 6AV6
V.5. 6AQ5
V.6. 6 x 4.

RESISTORS

R1-220K $\frac{1}{2}$ watt
R2-47K 1 watt
R3-22K $\frac{1}{2}$ watt
R4-47K 1 watt
R5- 1meg $\frac{1}{2}$ watt
R6- 47K $\frac{1}{2}$ watt
R7- 47K " "
R8- 47K " "
R9- 500K potentiometer
(switch pot)
R10-10meg $\frac{1}{2}$ watt
R11-220K " "
R12 1K 1 watt
R13 470K $\frac{1}{2}$ watt
R14 10K " "
R15 330 ohms $\frac{1}{2}$ watt
R16-10K " "
R17-22 ohms " "
R18-22 ohms " "
R19-3 ohms 1 watt
R20-40 ohms $\frac{1}{2}$ watt
R21-270K $\frac{1}{2}$ watt
R22-1 meg
R23-40 ohms 1 watt

FERRIS CAR RADIO - MODEL No.99.



Drawing No.	R 542
Model No.	99.
Drawn.	P.H.
Checked.	J.A.
Date.	17-7-56.
Ferris Bros. Pty. Ltd.	

6V. Filament Connections. 12V. Filament Connections.

Batt: C19 C20