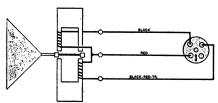
Type Q Chassis (battery operated) has three stages of screen-grid R. F. amplification, grid detection, one stage of transformer-coupled audio, and a doubleaudio output stage.

An output filter choke and condenser are used in the Q-2 (above Serial No. 5704025), as shown in the diagram below. The Q1 Chassis does not have these two parts.



CONNECTIONS OF INDUCTOR TYPE J SPEAKER.

VOLTAGE TABLE FOR TYPE Q CHASSIS

Set in operation. Volume control at maximum. LD switch at distance.

Use High Resistance D. C. Voltmeter (about 0-50-250) to Measure Plate and Grid Voltages. Use A. C. Voltmeter to Measure Filament Voltages.

TUBE	180 VOLTS "B" BATTERY			
	FILA M ENT VOLTAGE	PLATE VOLTAGE	CONTROL-GRID VOLTAGE	SCREEN VOLTAGE
ist-R.F. 2nd-R.F. 3rd-R.F.	3·3 3·3 3·3	135 135 135	1.5 1.5 2.5	45 45 45
Detector	5.0	70		
1st-A.F. 2A 2Aa	5.0 5.0 5.0	67 180 180	45 45 45	_

R.F. By-Pass No. 1

G-R.F. screen by pass.

V—1st-R.F. grid-circuit by pass. Y—Output filter condenser.

N-1st-R.F. filament by-pass.

R.F. By-Pass No. 2*

H-R.F. plate-circuit by-pass.

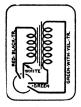
T—Detector filter condenser.
P—"Phone" condenser.
P—"Phone" condenser.

R.F. By-Pass No. 3

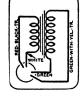
S-Detector filament by-pass.

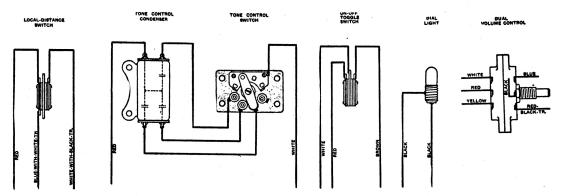
R—3rd-R.F. filament by pass. R—3rd-R.F. filament by pass.

O-2nd-R.F. filament by pass.









The output filter choke is not used in the Q-1 chassis.

for R. F by-pass No. 2 are correct when this part is No. 16060 However, if a No. 18350 (H-28) is used. 'P' and 'P' are at top and "H" and "T" are at bottom; therefore, the connections to this condenser are correspondingly changed

Models Q (Battery), D (DC) (1930)

	1 RF	PILOT 6.0 V
	'22	0
Ì	2 RF	^ '71A 2 AF
l	0	~ • • • • • • • • • • • • • • • • • • •
l		71A
l	3 RF	7111
1 AF	.22	
l 'ô'	DET	
'12A	0	
	*12A	FRONT