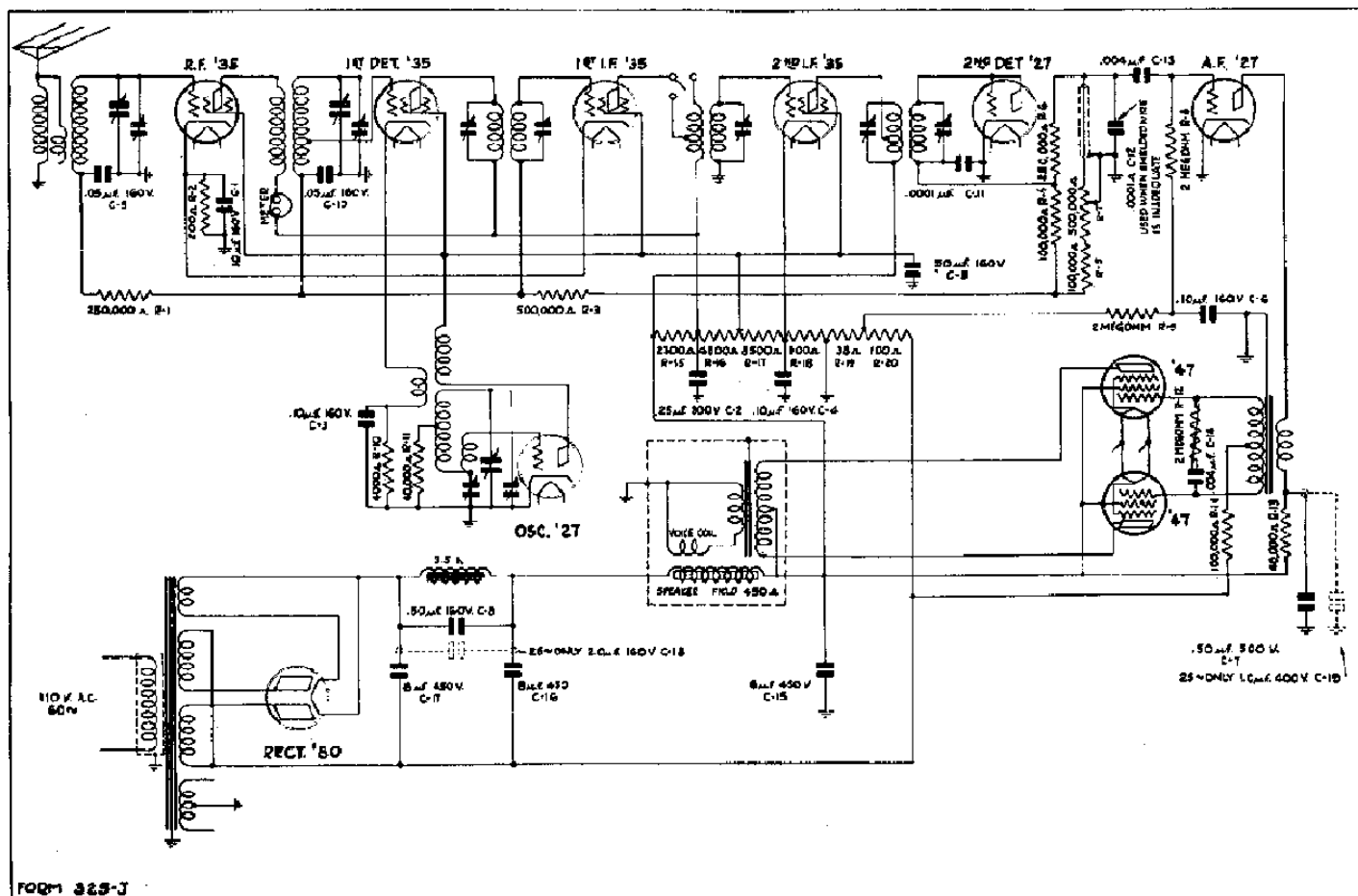


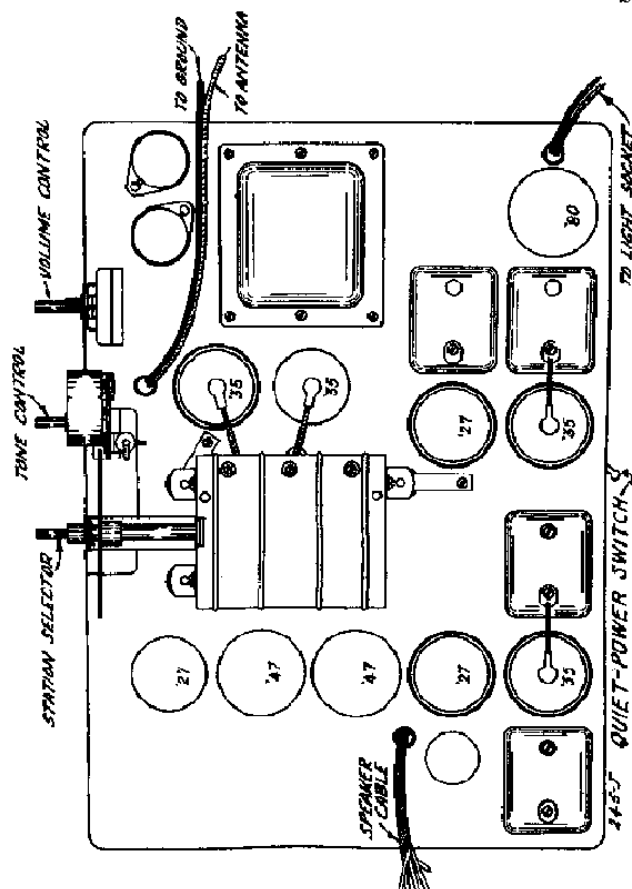
# ARCO CFR

## No. 20 Series

### 10 Tube Super-Heterodyne Receivers



### Schematic Circuit Diagram



**Top View of Chassis.**

## Voltages at Sockets

LINE VOLTAGE 115—VOLUME CONTROL AT  
MAXIMUM—SECOND DETECTOR TUBE  
REMOVED FROM SOCKET

Type of Tube	Function	Across Filament or Heater	Plate to Cathode	Screen to Cathode	Grid to Cathode	Normal Plate MA
'35	R.F.	2.2	180	92	3 <sup>(1)</sup>	6.2
'35	1st. Det.	2.2	178	85	10 <sup>(1)</sup>	2.2
'27	Oscil.	2.2	94		6 <sup>(2)</sup>	4.0 <sup>(2)</sup>
'35	1st. I.F.	2.2	180	92	3 <sup>(1)</sup>	6.0
'35	2nd. I.F.	2.2	260 <sup>(3)</sup>	90	6	5.5
'27	1st. Audio	2.2	105		5 <sup>(3)</sup>	4.2
'47	2nd. Audio	2.2	245	260	17 <sup>(4)</sup>	31.
'80	Rect.	4.8	725 volts plate to plate			66 per plate

(1) Read from cathode to ground.

(2) Subject to variation with dial setting.

(3) Read across 38 ohm section of voltage divider resistor.

(4) Read across 38 and 100 ohm sections of voltage divider.

(5) Changes to 178 volts in latest models.

NOTE:--All readings, except heater, for second detector tube are zero.