

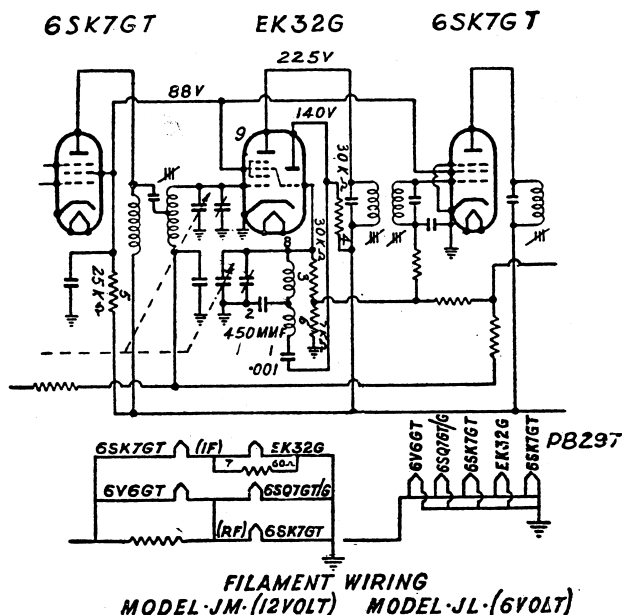
**MODEL JL — SUBSTITUTE RECTIFIER VALVE**

Model JL; rectifier socket is wired so that either an 0Z4G or a 6X5GT valve may be used without any changes being made to the socket wiring. Different size valve shields are required for each type of valve.

|                        |        |         |
|------------------------|--------|---------|
| Valve Shield           | 0Z4G   | 6X5GT   |
| Valve Shield Earth Lug | 39/30C | PM468   |
| Valve Shield Ring      | 22/30C | 22/30C  |
|                        | -      | 248/30C |

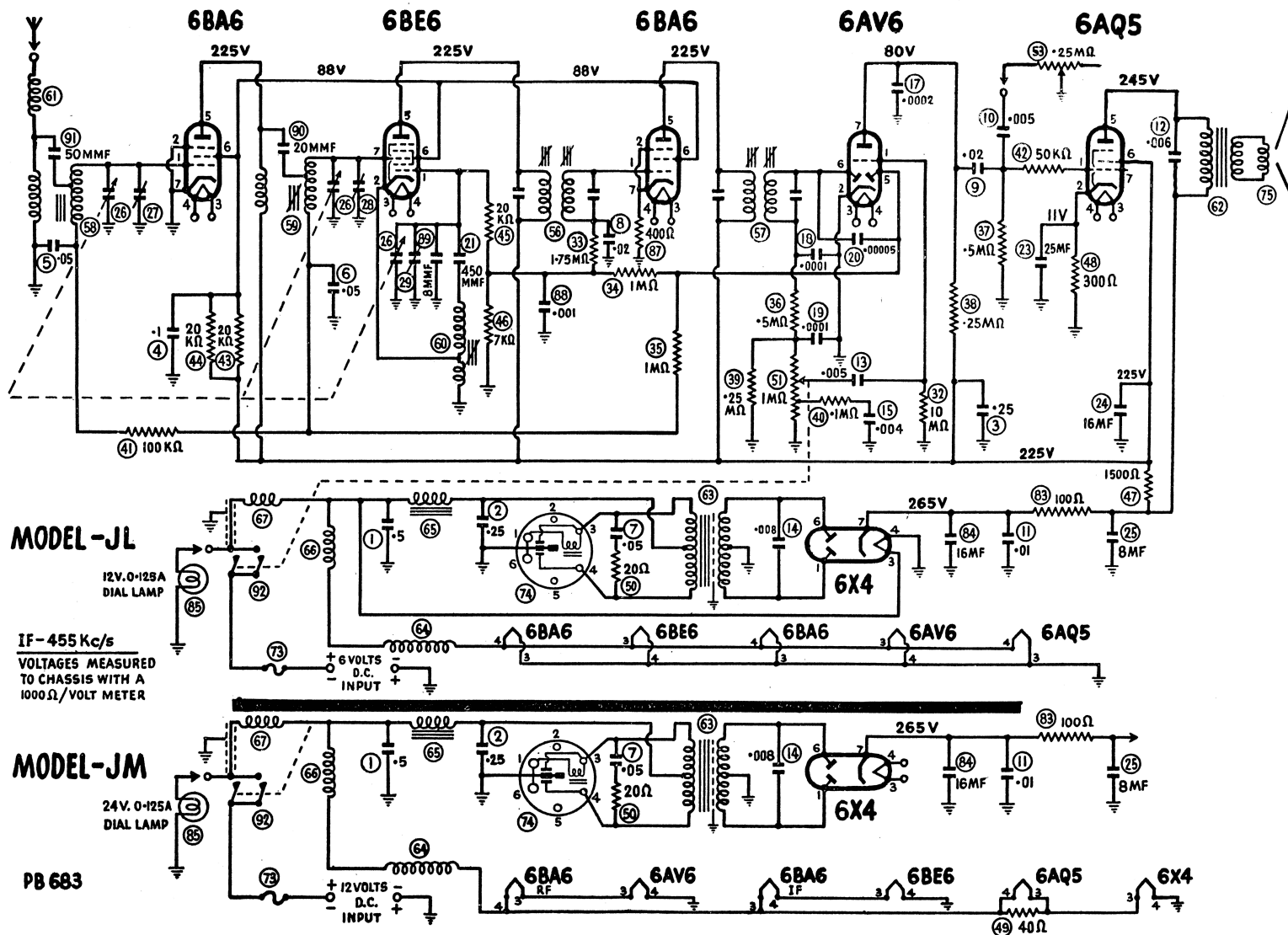
**SUBSTITUTE CONVERTER VALVE**

The first production run of 6 volt Model - JL and 12 volt Model - JM have been modified to use an EK32G valve in place of the 6SA7GT/G valve. The circuit alterations and component parts shown below for the EK32G are identical for both models except that for the 12 volt Model JM a 60 ohm 1 watt resistor is wired in parallel with the EK32G filament. All other circuit components and details are the same as shown by the circuit on page 4.



| Circuit No. | Part Name.                  | Tol. ± | Rating. | Part No.       |
|-------------|-----------------------------|--------|---------|----------------|
| 1.          | .001 MF Mica Condenser      | 10%    | 1000 VT | PC108          |
| 2.          | .00045 MF Mica Condenser    | 2½%    | 1000 VT | PC692 or PC727 |
| 3.          | 30,000 ohm Carbon Resistor  | 10%    | ½ Watt  | PR151          |
| 4.          | 30,000 ohm Carbon Resistor  | 10%    | ½ Watt  | PR151          |
| 5.          | 25,000 ohm Carbon Resistor  | 10%    | 1 Watt  | PR116          |
| 6.          | 7,000 ohm Carbon Resistor   | 10%    | ½ Watt  | PR247          |
| 7.          | 60 ohm wire wound resistor  | 10%    | 1 Watt  | PR627          |
| 8.          | Oscillator Coil             |        |         | PT793 or PT860 |
| 9.          | Valve type EK32G            |        |         | -              |
|             | Terminal strip (single lug) |        |         | A107/30C       |
|             | Terminal strip (double lug) |        |         | A103/509       |
|             | Small Grid Clip             |        |         | 873/495        |

Note: Osci. coil PT793 or PT860 connections are the same as PT792.



# — MODELS "JL" AND "JM" —

## 6-VALVE SUPERHETERODYNE CAR RADIO RECEIVERS

For operation from:

Model "'JL'" 6-volt Accumulator

Model "'JM'" 12-volt Accumulator

Tuning Range: 535-1610 Kilocycles  
560.7-186.3 Metres

Battery Consumption: Model "'JL'" 6 Amps. } does not include dial lamp.  
Model "'JM'" 3.25 Amps. }

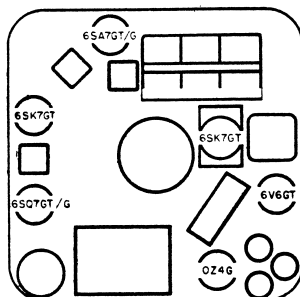
This Bulletin Contains:

1. General Description.
2. Alignment Procedure.
3. Circuit Diagram.
4. Electrical and Mechanical Parts List.
5. Connections for Transformers.

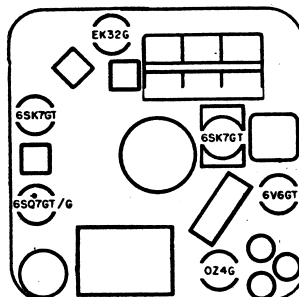
Vibrator: 150 Cycle Non-synch.

Power Output: 5 Watts maximum.

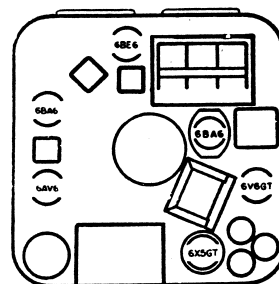
3 Watts undistorted.



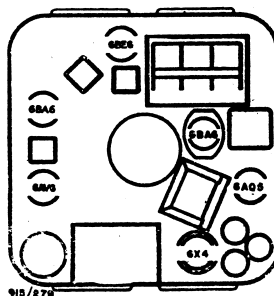
VALVE PLACEMENT DIAGRAM—JL/JM  
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VALVE PLACEMENT DIAGRAM—JL/JM  
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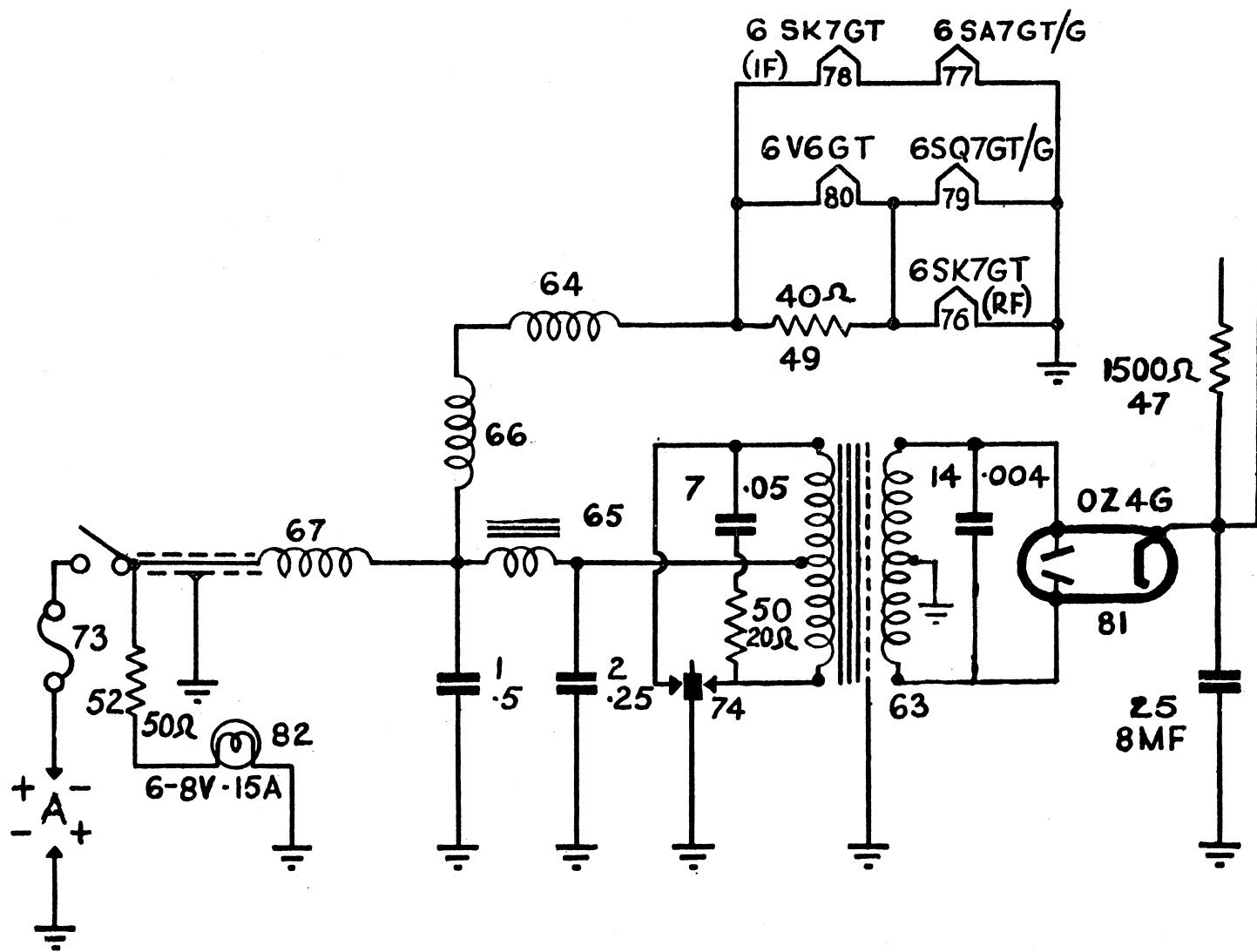
VALVE PLACEMENT DIAGRAM "JL/JM"  
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MODEL-JM



PB 277

6K7GT.  
Earthed to chassis.  
Heater.  
Plate.  
Screen grid.  
Suppressor grid.  
No connection.  
Heater.  
Cathode.