

INSTALLATION AND SERVICE DIVISION

RCA MANUFACTURING CO., INC.

CAMDEN, N. J.

MI-9375
MI-9375-A
MI-9375-B
MI-9375-C

CLASSIFICATION Technical - Photophone - Amplifiers

DATE June 13, 1940

SUBJECT: MI-9375/A/B/C Monitor Amplifiers

SL-2C3-24.01

NUMBER Issue 2

TO:

Page 1 of 6 pages

Supersedes SL-2C3-24.01, SL-2C3-24.01-A & SL-2C3-24.02

The subject amplifiers are of the rack mounting type first used on type PG-140 Equipments. They differ in the following respects.

- MI-9375-A 25 cycle model of MI-9375
- MI-9375-B Same as MI-9375 except R-11 39,000 ohms resistor is not used. The wiring layout has been changed as shown on attached drawing.
- MI-9375-C Same as MI-9375-B except that the wiring has been further simplified and arranged for ease of servicing.

ELECTRICAL SPECIFICATIONS

Application	Monitoring Theatre Sound								
Voltage rating	105-130 volts. Power consumption at 125 volts. 56 watts								
Input impedance	Unloaded Trans. 250 ohms								
Source impedance	250 ohms								
Load impedance	(Terminals or Transformer Connections)								
	<table border="0" style="display: inline-table; vertical-align: middle;"> <tr> <td>C</td> <td>to</td> <td>15</td> <td>15 ohms</td> </tr> <tr> <td>C</td> <td>to</td> <td>250</td> <td>250 ohms</td> </tr> </table>	C	to	15	15 ohms	C	to	250	250 ohms
C	to	15	15 ohms						
C	to	250	250 ohms						
Power output at 3% harmonic distortion	4.5 watts								
Average overall gain (500 ohm source to 15 ohm load)	105 db								
Output level (.006 watt zero reference level)	28.8 db								
	25.6 db								
Input level (less pad)	-50 db								
	-53.2 db								
	76.2 db								
	79.4 db								
Hum level (15 ohm load .006 watt zero reference level)	-20 db								
	-23.2 db								

MECHANICAL SPECIFICATION

Height	7 inches
Width	19 inches
Depth	7 inches
Weight	24-1/2 pounds

RADIOTRON SOCKET VOLTAGES

115 Volt A-C Line. 115 Volt Transformer Tap. 20,000-ohms-per-volt meter

Radiotron No.	Plate MA	Plate Volts	Screen Grid Volts	Cathode Volts	*Control Grid Volts	Rect. Heater Volts to Grid.
1. 1820	.4	35	33	1.1	--	--
2. 1820	.65	150	58	2.4	--	--
3. 1822	50	335	290	19.5	--	--
4. 3Y4G	--	--	--	--	--	323

*Given only if Grid is connected to fixed bias. All voltages are read to ground except Filament Voltages.

Routine inspection and cleaning of the contacts of the RCA-991 tube should be made to prevent any possibility of oscillation.

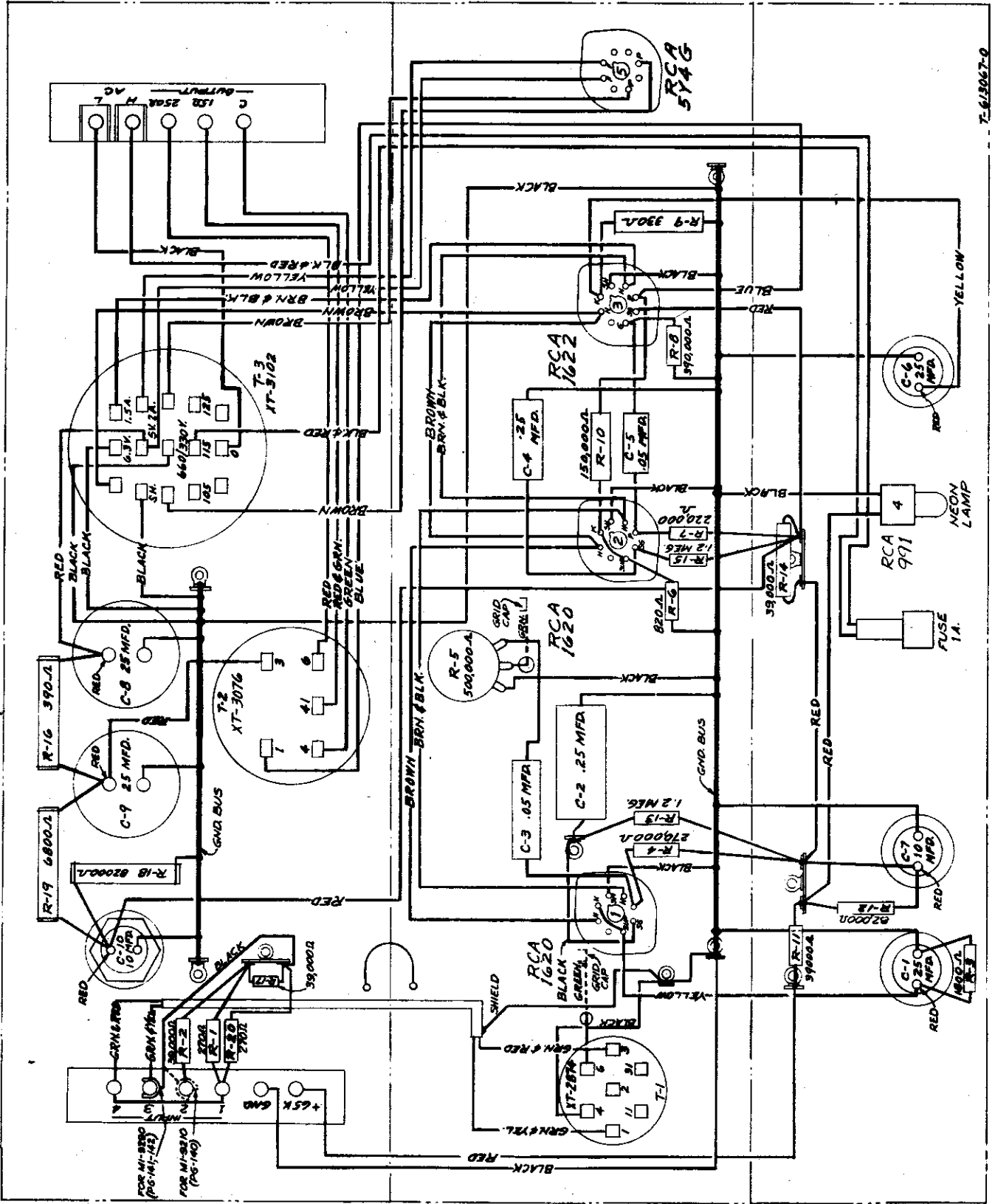
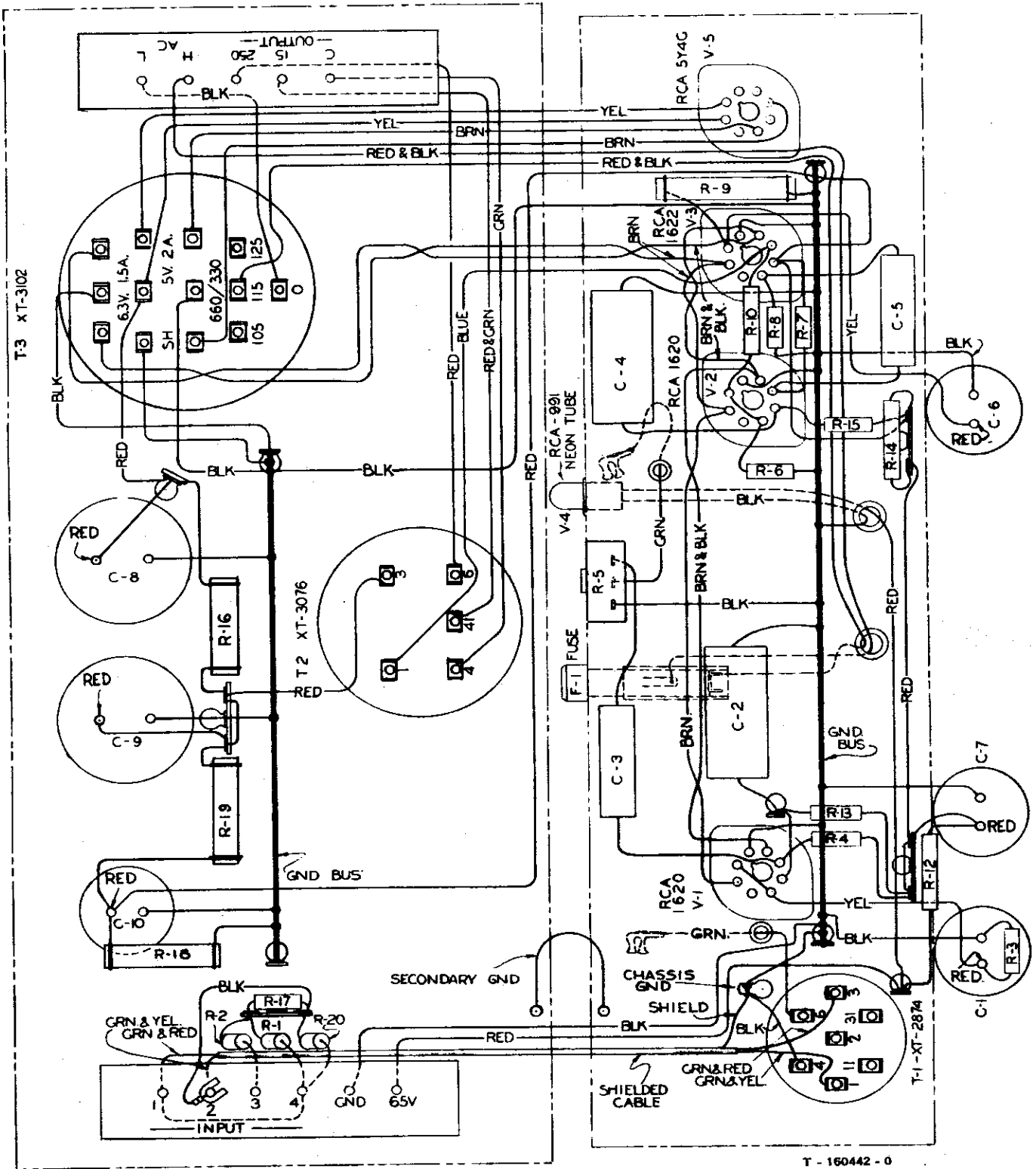


Figure 2 - MI-9375 Wiring

T-613067-0



T - 160442 - 0

Figure 3 - MI-9375-B Wiring Diagram

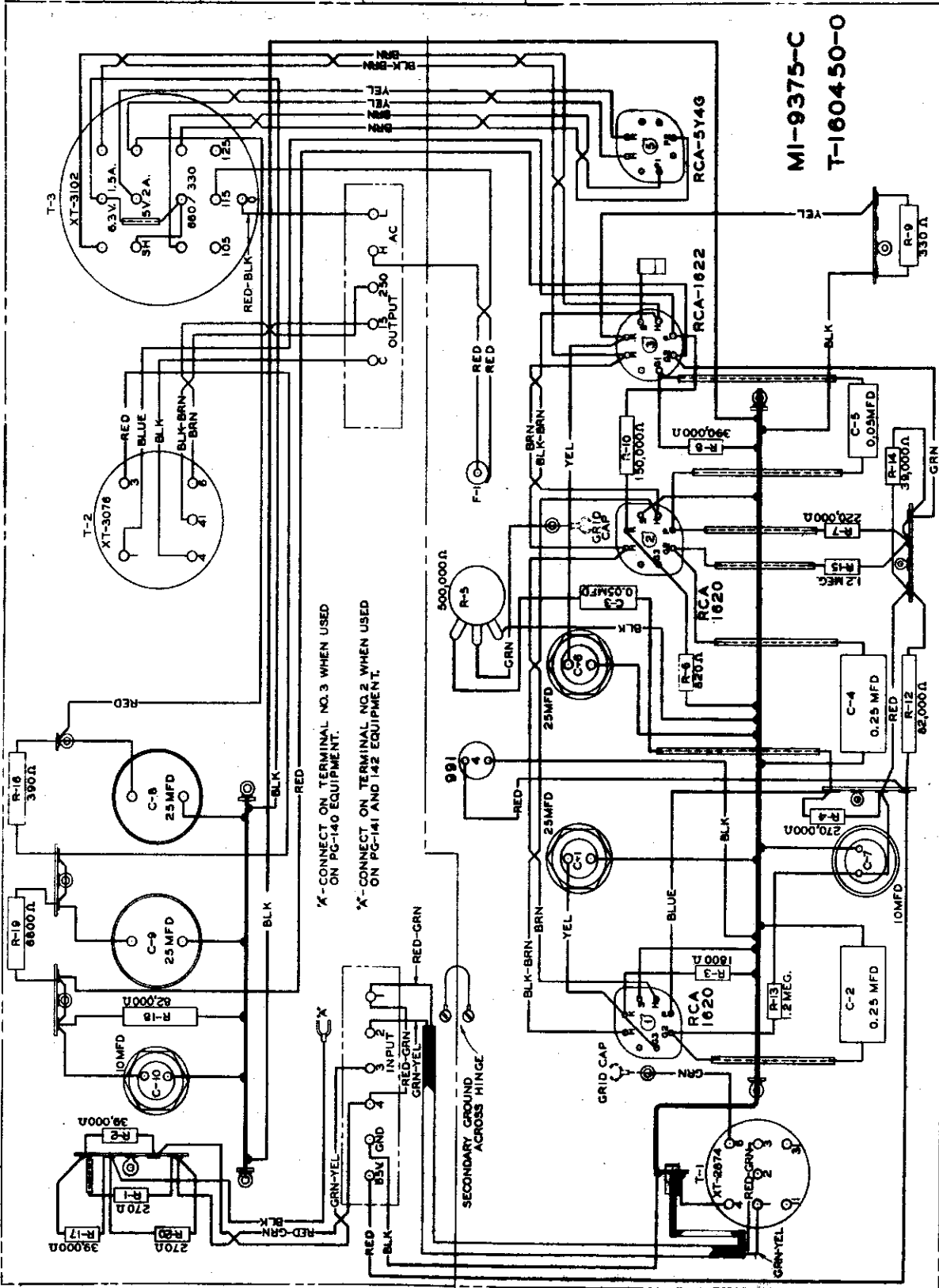
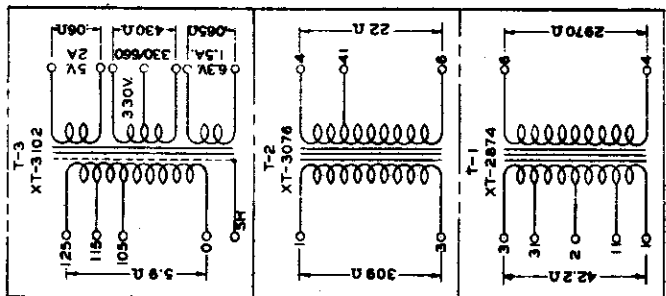


Figure 4 - MI-9375-C Wiring Diagram

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