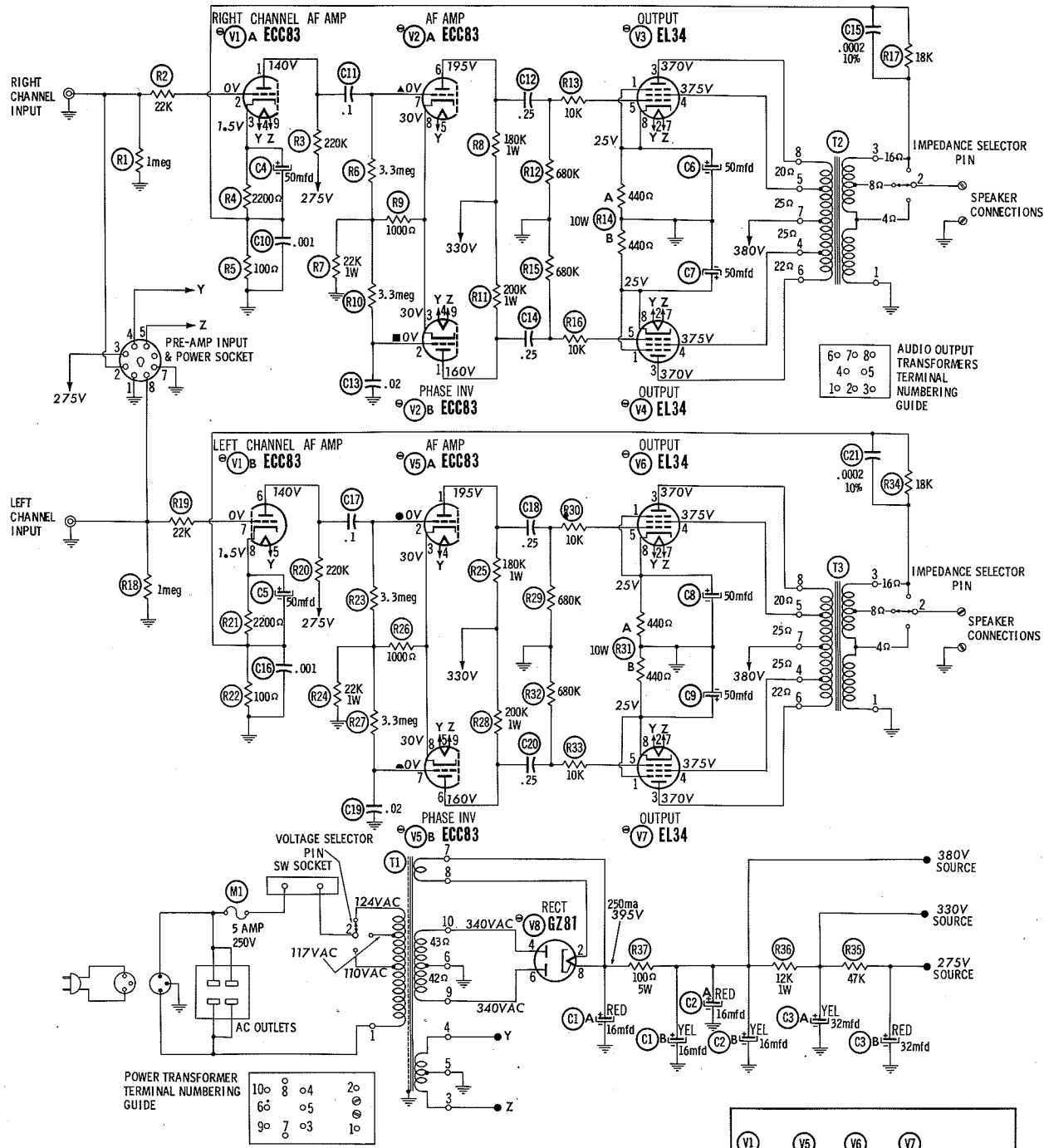
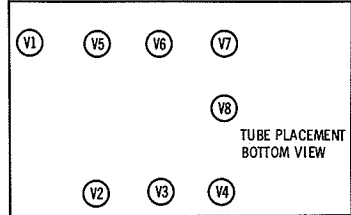




| ITEM | TUBE  | Pin 1 | Pin 2  | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7  | Pin 8 | Pin 9 |
|------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|
| V1   | ECC83 | †280K | 1meg   | 2300Ω | .1Ω   | .1Ω   | †280K | 1meg   | 2300Ω | .1Ω   |
| V2   | ECC83 | †210K | 3.3meg | 23K   | .1Ω   | .1Ω   | †190K | 3.3meg | 23K   | .1Ω   |
| V3   | EL34  | 440Ω  | .1Ω    | †145Ω | †125Ω | 690K  | NC    | .1Ω    | 440Ω  |       |
| V4   | EL34  | 440Ω  | .1Ω    | †145Ω | †125Ω | 690K  | NC    | .1Ω    | 440Ω  |       |
| V5   | ECC83 | †190K | 3.3meg | 23K   | .1Ω   | .1Ω   | †210K | 3.3meg | 23K   | .1Ω   |
| V6   | EL34  | 440Ω  | .1Ω    | †145Ω | †125Ω | 690K  | NC    | .1Ω    | 440Ω  |       |
| V7   | EL34  | 440Ω  | .1Ω    | †145Ω | †125Ω | 690K  | NC    | .1Ω    | 440Ω  |       |
| V8   | GZ34  | NC    | 9      | NC    | 43Ω   | NC    | 42Ω   | NC     | 9     |       |



- DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured at 1000 ohms per volt.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common negative.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.
- Proper output load connected.

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM

LEAK MODEL Stereo 50

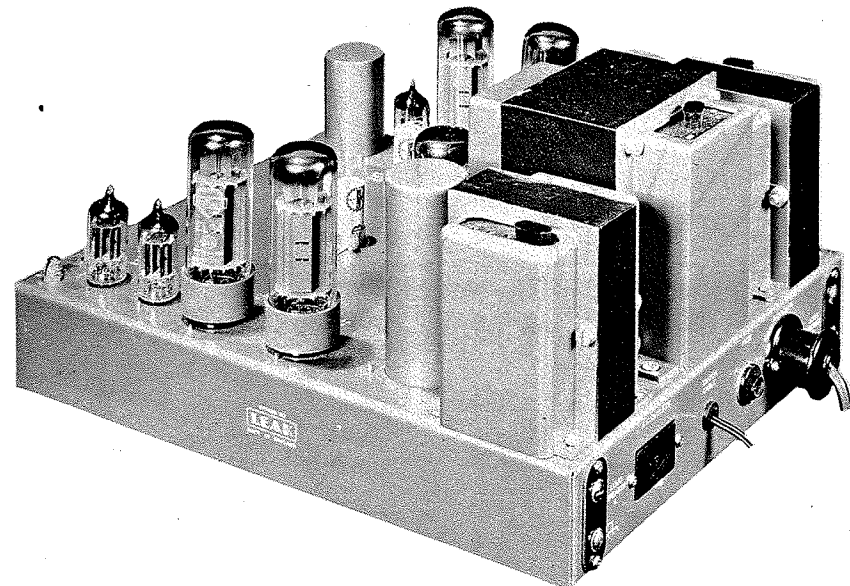
A PHOTOFACT STANDARD NOTATION SCHEMATIC  
©Howard W. Sams & Co., Inc. 1959

FOLDER 9  
SET 451

PHOTOFACT\* Folder

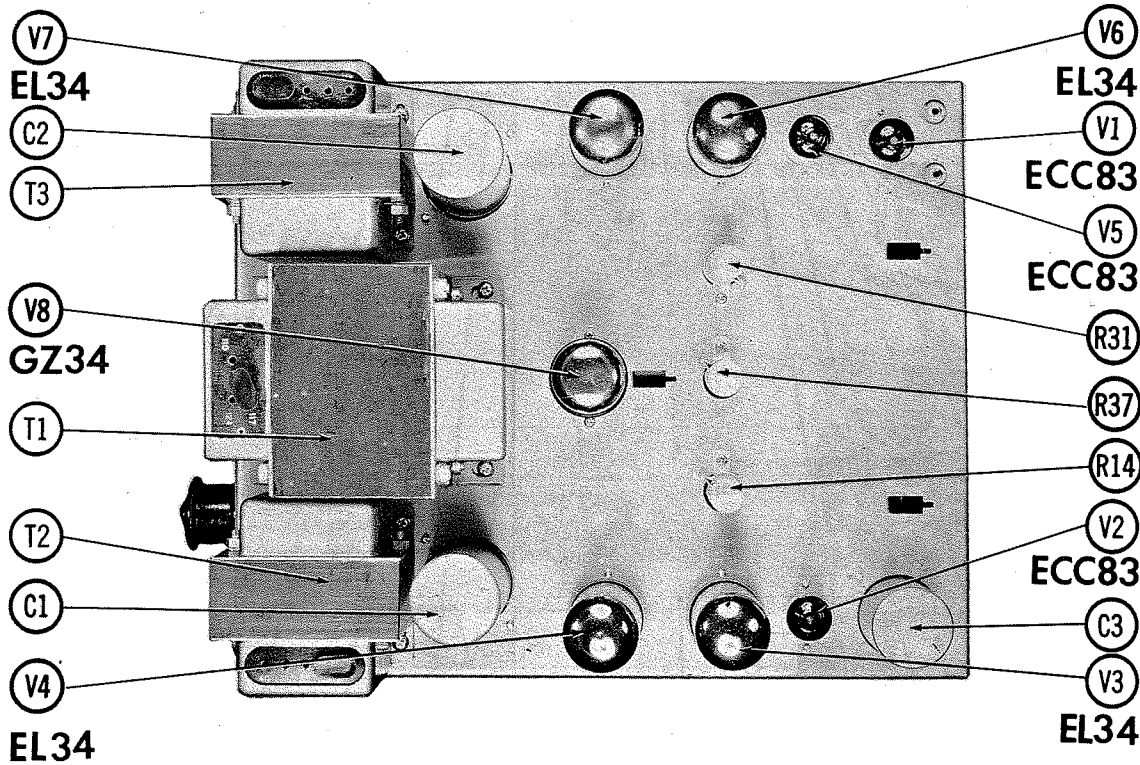


LEAK MODEL Stereo 50



LEAK MODEL Stereo 50

TRADE NAME Leak Model Stereo 50  
IMPORTER British Industries Corp., 80 Shore Road, Port Washington, N. Y.  
TYPE SET AC Operated 8 Tube Stereo Amplifier  
POWER SUPPLY 110/117/124 Volts AC, 60 Cycles RATING 140 Watts, 1.8 Amp. @117 Volts AC



HOWARD W. SAMs & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of J195

the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1959 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

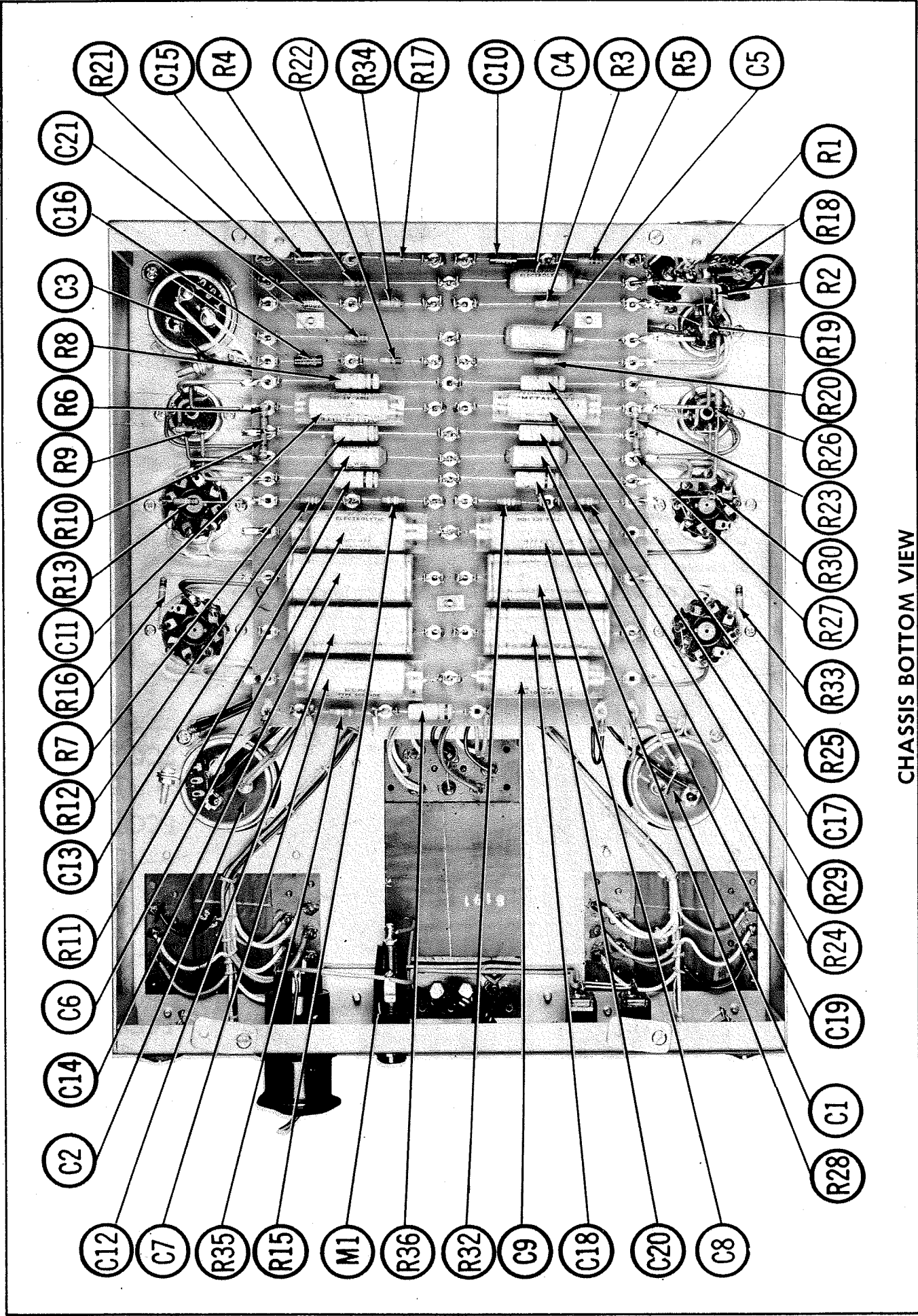
LEAK MODEL Stereo 50

SET 451 FOLDER 9

DATE 8-59

SET 451

FOLDER 9



CHASSIS BOTTOM VIEW

PARTS LIST AND DESCRIPTIONS  
TUBES ( GENERAL ELECTRIC, SYLVANIA )

| ITEM No. | USE                     | TYPE  | NOTES |
|----------|-------------------------|-------|-------|
| V1       | Right Channel AF Amp. - | ECC83 | ①     |
| V2       | Left Channel AF Amp. -  | ECC83 | ①     |
| V3       | Right Channel AF Amp. - | EL34  | ②     |
| V4       | Left Channel Output     | EL34  | ②     |

① Alternate B339, 12AX7      ② Alternate KT66, 5881      ③ Alternate 5AR4

| ITEM No. | RATING | LEAK | NOTES |
|----------|--------|------|-------|
| R16      | 10K    |      |       |
| R17      | 18K    |      |       |
| R18      | 18K    |      |       |
| R19      | 22K    |      |       |
| R20      | 220K   |      |       |
| R21      | 220K   |      |       |
| R22      | 100K   |      |       |
| R23      | 3.3meg |      |       |
| R24      | 22K    |      |       |
| R25      | 180K   |      |       |
| R26      | 100K   |      |       |
| R27      | 3.3meg |      |       |

RESISTORS (cont)

| ITEM No. | RATING | LEAK | NOTES |
|----------|--------|------|-------|
| R28      | 200K   |      |       |
| R29      | 680K   |      |       |
| R30      | 10K    |      |       |
| R31A     | 440K   |      |       |
| R32      | 440K   |      |       |
| R33      | 10K    |      |       |
| R34      | 18K    |      |       |
| R35      | 47K    |      |       |
| R36      | 12K    |      |       |
| R37      | 100K   |      |       |

ELECTROLYTIC CAPACITORS

| ITEM No. | RATING | LEAK | NOTES |
|----------|--------|------|-------|
| C1A      | 16     | 450  |       |
| C2A      | 16     | 450  |       |
| C3A      | 32     | 350  |       |
| C4       | 32     | 350  |       |
| C5       | 50     | 50   |       |
| C6       | 50     | 50   |       |
| C7       | 50     | 50   |       |
| C8       | 50     | 50   |       |
| C9       | 50     | 50   |       |

TRANSFORMER (POWER)

| ITEM No. | RATING                                | LEAK | NOTES |
|----------|---------------------------------------|------|-------|
| T1       | 124V Tap 680 VCT 5V @ 1.8A Tap @.250A | 8191 |       |

FIXED CAPACITORS

| ITEM No. | RATING | LEAK | NOTES |
|----------|--------|------|-------|
| C10      | .001   | 400  |       |
| C11      | .01    | 350  |       |
| C12      | .02    | 350  |       |
| C13      | .02    | 350  |       |
| C14      | .02    | 350  |       |
| C15      | .0002  | 400  |       |
| C16      | .001   | 400  |       |
| C17      | .01    | 350  |       |
| C18      | .02    | 350  |       |
| C19      | .02    | 350  |       |
| C20      | .02    | 350  |       |
| C21      | .0002  | 400  |       |

TRANSFORMER (AUDIO OUTPUT)

| ITEM No. | IMPEDANCE                 | LEAK | NOTES |
|----------|---------------------------|------|-------|
| T2       | 7000Ω 16Ω CT Taps @ 8Ω 4Ω | 3925 |       |
| T3       | 7000Ω 16Ω CT Taps @ 8Ω 4Ω | 3925 |       |

FUSES

| ITEM No. | TYPE | RATING  | LEAK | NOTES |
|----------|------|---------|------|-------|
| M1       |      | 5A 250V |      |       |

RESISTORS

| ITEM No. | RATING | LEAK | NOTES |
|----------|--------|------|-------|
| R1       | 1meg   |      |       |
| R2       | 22K    |      |       |
| R3       | 220K   |      |       |
| R4       | 220K   |      |       |
| R5       | 100K   |      |       |
| R6       | 3.3meg |      |       |
| R7       | 22K    |      |       |
| R8       | 180K   |      |       |

WIRING DATA

|                                     |                                                                |
|-------------------------------------|----------------------------------------------------------------|
| General-use Unshielded Hook-up Wire | Use BELDEN No. 8530 (Solid) Available in Ten Colors            |
| Power Cord                          | Use BELDEN No. 1765-B (6 Ft. Length) 1725-K (7 1/2 Ft. Length) |