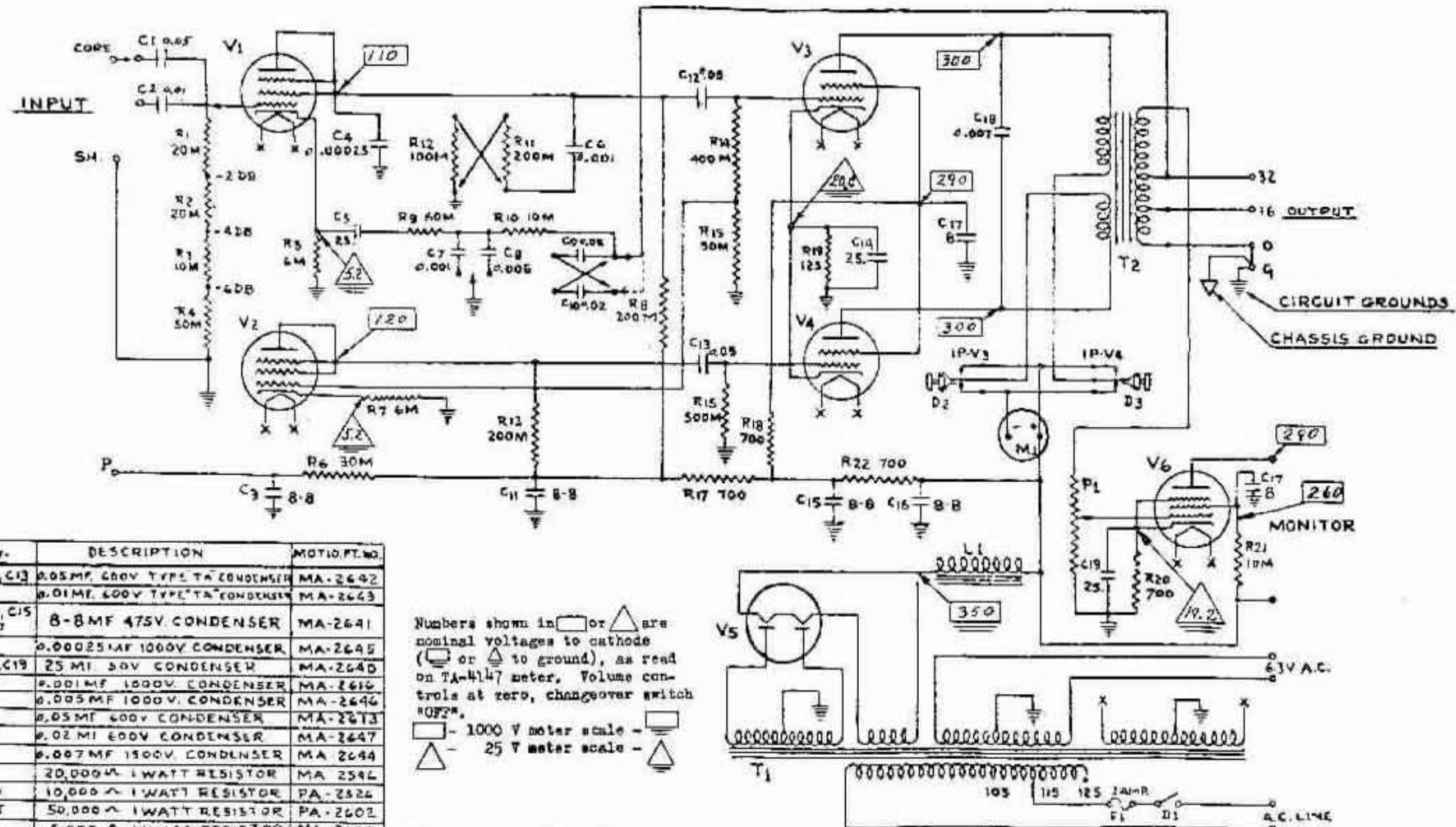


REVISED 1-15-46
 BY THE ELECTRONIC DEPT.
 UNDER SUPERVISION OF THE
 CHIEF ENGINEER, AIR FORCE
 RESEARCH AND DEVELOPMENT
 DIVISION, WRIGHT-PATTERSON
 AIR FORCE BASE, OHIO
 ISSUE 8-15-46
 C1 WAS MA-2643
 C6, C7 WAS
 MA-2642 CHND
 ISSUE 3-12-49
 T2 WAS MA-2637
 CHANGE MADE
 ON AMP'S SER.
 "GJ" AND LATER
 ISS: 3-11-49
 D.A.O.



| DESIG. | DESCRIPTION | MOTIO. PT. NO. |
|------------------------|---------------------------------|----------------|
| C1, C12, C13 | 0.05 MF, 600V TYPE TA CONDENSER | MA-2642 |
| C2 | 0.01 MF, 600V TYPE TA CONDENSER | MA-2643 |
| C3, C11, C15, C16, C17 | 8-8 MF 475V CONDENSER | MA-2641 |
| C4 | 0.00025 MF 1000V CONDENSER | MA-2645 |
| C5, C14, C19 | 25 MI 50V CONDENSER | MA-2640 |
| C6, C7 | 0.001 MF 1000V CONDENSER | MA-2646 |
| C8 | 0.005 MF 1000V CONDENSER | MA-2644 |
| C9 | 0.05 MF 600V CONDENSER | MA-2673 |
| C10 | 0.02 MI 600V CONDENSER | MA-2647 |
| C18 | 0.007 MF 1500V CONDENSER | MA-2644 |
| R1, R2 | 20,000 Ω 1WATT RESISTOR | MA-2594 |
| R3, R10 | 10,000 Ω 1WATT RESISTOR | PA-2526 |
| R4, R15 | 50,000 Ω 1WATT RESISTOR | PA-2602 |
| R5, R7 | 6,000 Ω 1WATT RESISTOR | MA-2655 |
| R6 | 30,000 Ω 1WATT RESISTOR | PA-2603 |
| R8, R11, R16 | 200,000 Ω 1WATT RESISTOR | MA-2657 |
| R9 | 60,000 Ω 1WATT RESISTOR | MA-2654 |
| R12 | 100,000 Ω 1WATT RESISTOR | MA-2542 |
| R14 | 400,000 Ω 1WATT RESISTOR | MA-2656 |
| R16 | 500,000 Ω 1WATT RESISTOR | MA-2659 |
| R17, R18, R22 | 700 Ω 1WATT RESISTOR | MA-2654 |
| R19 | 125 Ω 2WATT RESISTOR | MA-2651 |
| R20 | 700 Ω 10WATT RESISTOR | MA-2652 |
| R21 | 10,000 Ω 10WATT RESISTOR | MA-2653 |
| D1 | S.F.S.T. TOGGLE SWITCH | MA-2521 |
| D2, D3 | PUSH BUTTON SWITCH | MA-2605 |

Numbers shown in \square or \triangle are nominal voltages to cathode (\square or \triangle to ground), as read on TA-4147 meter. Volume controls at zero, changeover switch "OFF".
 \square - 1000 V meter scale - \square
 \triangle - 25 V meter scale - \triangle

| DESIG. | DESCRIPTION | MOTIO. PT. NO. |
|--------|--------------------------------|----------------|
| P1 | POTENTIOMETER 200,000 Ω | MA-2525 |
| M1 | METER 0-200 MA | MA-2636 |
| T1 | POWER TRANSFORMER T4786 | MA-2628 |
| T2 | OUTPUT TRANSFORMER T4787 | MA-2638 |
| L1 | CHOKE COIL T4789 | MA-2639 |
| V1, V2 | 65J7 VAC. TUBE | |
| V3, V4 | 6L6 G VAC. TUBE | |
| V5 | 5Z5 VAC. TUBE | |
| V6 | 6K6 VAC. TUBE | |
| F1 | FUSE 2AMP | MA-2681 |

NOTES
 1. WIRES ENDING THUS \rightarrow ARE TO BE CONNECTED IN FIELD AS REQUIRED. SEE INSTALLATION INSTRUCTIONS.

WIRING DIAGRAM DWG. LMA-2649

| | | | |
|-------------------|-------|-------------------|---------|
| TITLE | | MA-7505-A | |
| | | AMPLIFIER | |
| | | SCHEMATIC DIAGRAM | |
| MATERIAL | | FINISH | |
| DRAWN | CHKD. | APPVD. | DATE |
| JIM C. | RJN | EV | 8-15-46 |
| DRWG. NO LMA-2650 | | | |
| MOTIOPHOTOGRAPH | | | |
| CHICAGO, ILL. | | | |

DO NOT SCALE DRAWING