KENWOOD BASIC M2

STEREO POWER AMPLIFIER

Metallic cabinet (A01-0661-02)
Panel ass'y (A20-3647-02)
Phone jack (E11-0103-06)

Knob (K27-0914-04)
Foot (J02-0126-05)
Knob (K29-1200-04)
Knob (K27-0806-04) x 2
Knob (K29-1200-04) x 2
Foot (J02-0126-05)

Phono jack (E13-0213-05)
GND terminal (E21-0006-25)

AC outlet* (E03-0069-05)
Power cord* bushing (J42-0083-05)

Lock terminal board (E20-0451-05)
Lock terminal board (E20-0818-05)
AC power cord* (E30-)

*Refer to parts list on page 9.
## ADJUSTMENT

<table>
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<tr>
<th>NO.</th>
<th>ITEM</th>
<th>INPUT SETTINGS</th>
<th>OUTPUT SETTINGS</th>
<th>AMPLIFIER SETTINGS</th>
<th>ALIGNMENT POINTS</th>
<th>ALIGN FOR</th>
<th>FIG.</th>
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</thead>
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<tr>
<td>1</td>
<td>OFFSET (X07-2030-11)</td>
<td>-</td>
<td>Connect a DC voltmeter to SPEAKER B terminal.</td>
<td>VOLUME: 0</td>
<td>VR1 (L) VR2 (R)</td>
<td>0V</td>
<td>(a)</td>
</tr>
<tr>
<td>2</td>
<td>IDLE CURRENT (X07-2030-11)</td>
<td>-</td>
<td>Connect a DC voltmeter across R85 (L) R86 (R)</td>
<td>VOLUME: 0</td>
<td>VR3 (L) VR4 (R)</td>
<td>13 ± 8 mV</td>
<td>(b)</td>
</tr>
<tr>
<td>3</td>
<td>POWER METER (1)</td>
<td>(A) 1 kHz, 1 V</td>
<td></td>
<td>METER RANGE: x 1 Adjust LEVEL CONTROL so that AC voltmeter indicates 40 V</td>
<td>VR3</td>
<td>Adjust the variable resistor so that the 200 W (8Ω) FL indicator lights.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>POWER METER (2)</td>
<td>(A) 1 kHz, 0.1 V</td>
<td></td>
<td>METER RANGE: x 0.1 Adjust LEVEL CONTROL so that AC voltmeter indicates 4 V</td>
<td>VR1</td>
<td>Adjust the variable resistor so that the 2 W (8Ω) FL indicator lights.</td>
<td></td>
</tr>
</tbody>
</table>

**Power Amplifier Check**

After completing power amplifier repairs, be sure to confirm that waveforms are present as indicated below. Power amplifier operation is not normal if these waveforms cannot be observed.

**It is not possible to observe both waveform C and D at the same time. Be sure to observe them individually, and be sure that no other test equipment is connected to the amplifier at the same time as the oscilloscope.**

**Test Condition**

1. Apply a 50Hz sine wave to the INPUT terminal.
2. Connect an 8 ohm dummy load to the speaker terminals.
3. Connect the oscilloscope across the resistor (R67~74) of high output circuit.

4. Set the volume control of the BASIC M2 to 0, then turn on the power.
5. When the LEVEL CONTROL of the BASIC M2 is turned up slowly, the waveform shown in Figure C should appear suddenly at a certain point. This is evidence that the high output circuit has begun operating. Stop turning the volume control at the point where this waveform appears.
6. Momentarily turn off the power to the BASIC M2.
7. Connect the oscilloscope across the resistor (R75~82) of low output circuit.
8. Turn the power to the BASIC M2 back on.
9. The waveform shown in Figure D should appear.
TEST INSTRUMENT CONNECTION

(A) AC voltmeter

DC voltmeter

(B) AC voltmeter

(b) DC voltmeter

R85 (L)
R88 (R)

To AC outlet
Refer to the schematic diagram for the values of resistors and capacitors. The PC board drawing is viewing from the side easy to check.
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