**FM/AM STEREO RECEIVER A-911/911L SERVICE MANUAL**

**COMPACT HI-FI SYSTEM (UD COMPONENT SYSTEM) UD-9**

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**KENWOOD CORPORATION**

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**A-911/911L**

**SPECIFICATIONS**

**Amplifier section**

| Rated power output | 35 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion (THD) |

**IEC/NF**

- From 43 Hz to 12,000 Hz, 0.7%, THD:
  - at 6 Ω: 40 W - 40 W
  - at 8 Ω: 37 W - 37 W

**IDN**

- 1 kHz at 6 Ω: 43 W - 43 W
- 1 kHz at 8 Ω: 38 W - 38 W

**IEC/66**

- From 40 Hz to 20 kHz, 0.9%, THD:
  - at 6 Ω: 32 W - 32 W

**EBEJ**

- Maximum useful power output:
  - at 6 Ω: 50 W - 50 W
  - at 8 Ω: 39 W - 39 W

**Total harmonic distortion**

- 0.09% at rated power

**Frequency response**

- 40 Hz - 70 kHz, ±1.5 dB, -1.5 dB

**Signal to noise ratio**

- 85 MHz - 108 MHz

**Input sensitivity/Impedance**

- MAIN IN: 150 mV/47 kΩ
- N.B. circuit (30 dB VOLUME level): +22 dB at 80 kΩ

**Output level/Impedance**

- SUB WOOFER OUT: 10 W/6 Ω

**Power consumption**

- 200 W (IEC)

**Dimensions**

- W 270 mm (10.58")
- H 120 mm (4.72")
- D 292 mm (11.48")

**Weight (Net)**

- 5.4 kg (11.88 lb)

**A-911L FM tuner section**

**Tuning frequency range**

- 87.5 kHz - 108 MHz

**Usable sensitivity (IDN at 75Ω)**

- MONO: 0.24 µV (65.2 dB input)
- STEREO: 0.33 µV (65.2 dB input)

**Signal to noise ratio (MONO at 1 kHz)**

- 53.2 dB (65.2 dB input)

**Stereo separation (DIN)**

- 1 kHz: 40 dB

**Frequency response**

- 30 Hz - 15 kHz, ±0.5 dB, -3.5 dB

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**FM tuner section**

**Tuning frequency range**

- 531 kHz - 1.602 kHz

**Usable sensitivity**

- 14 µV/500 µV (47 dB)

**Signal to noise ratio**

- (at 30% modulation) 47 dB

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**LW tuner section**

**Tuning frequency range**

- 153 kHz - 281 kHz

**Usable sensitivity**

- 25 µV

**Signal to noise ratio**

- (at 30% modulation) 47 dB

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**A-911FM tuner section**

**Tuning frequency range**

- 87.5 kHz - 108 kHz

**Total harmonic distortion (at 1 kHz)**

- MONO: 0.2% (65.2 dB input)
- STEREO: 0.3% (65.2 dB input)

**Signal to noise ratio (at 1 kHz)**

- MONO: 82 dB (65.2 dB input)
- STEREO: 70 dB (65.2 dB input)

**Stereo separation**

- 1 kHz: 40 dB

**Frequency response**

- 30 Hz - 15 kHz, ±0.5 dB, -3.5 dB

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**AM tuner section**

**Tuning frequency range**

- 9 kHz step: 531 kHz - 1.602 kHz
- 10 kHz step: 530 kHz - 1.610 kHz

**Usable sensitivity**

- 14 µV/500 µV (47 dB)

**Signal to noise ratio**

- (at 30% modulation) 47 dB

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**Note:** KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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*Refer to parts list on page 44. Photo is A-911.*
How to remove tuner board and front panel:
1. Remove 6 screws. 2. Then detach the tuner board from the front panel. 3. Remove the front panel. 4. Remove three screws so as to remove the panel. 5. Remove the two screws so as to remove the board. Then remove the batteries and two screws.

1. 2. 3. 4. 5.
CIRCUIT DESCRIPTION

Operation of UDF-9 System

The flow chart can be read off through sound generation.

CIRCUIT DESCRIPTION

Diagrams and block diagrams of this unit.

A-9411/9411
The circuit description for the microprocessor

IC5: CX5011.2-120 (X60.9929-71)

The circuit diagram shows the connection of the components.

Example 1: When the operation mode is set to PLAY,

Example 2: When the operation mode is set to REC.

Example 3: When the operation mode is set to PR.

Example 4: When the operation mode is set to CANCEL.

Example 5: When the operation mode is set to CANCEL.

Example 6: When the operation mode is set to CANCEL.

Example 7: When the operation mode is set to CANCEL.

Example 8: When the operation mode is set to CANCEL.

Example 9: When the operation mode is set to CANCEL.

Example 10: When the operation mode is set to CANCEL.

Example 11: When the operation mode is set to CANCEL.

Example 12: When the operation mode is set to CANCEL.

Example 13: When the operation mode is set to CANCEL.

Example 14: When the operation mode is set to CANCEL.

Example 15: When the operation mode is set to CANCEL.

Example 16: When the operation mode is set to CANCEL.

Example 17: When the operation mode is set to CANCEL.

Example 18: When the operation mode is set to CANCEL.

Example 19: When the operation mode is set to CANCEL.

Example 20: When the operation mode is set to CANCEL.

Example 21: When the operation mode is set to CANCEL.

Example 22: When the operation mode is set to CANCEL.

Example 23: When the operation mode is set to CANCEL.

Example 24: When the operation mode is set to CANCEL.

Example 25: When the operation mode is set to CANCEL.

Example 26: When the operation mode is set to CANCEL.

Example 27: When the operation mode is set to CANCEL.

Example 28: When the operation mode is set to CANCEL.

Example 29: When the operation mode is set to CANCEL.

Example 30: When the operation mode is set to CANCEL.

Example 31: When the operation mode is set to CANCEL.

Example 32: When the operation mode is set to CANCEL.

Example 33: When the operation mode is set to CANCEL.

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Example 50: When the operation mode is set to CANCEL.

Example 51: When the operation mode is set to CANCEL.

Example 52: When the operation mode is set to CANCEL.

Example 53: When the operation mode is set to CANCEL.

Example 54: When the operation mode is set to CANCEL.

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Example 59: When the operation mode is set to CANCEL.

Example 60: When the operation mode is set to CANCEL.

Example 61: When the operation mode is set to CANCEL.

Example 62: When the operation mode is set to CANCEL.

Example 63: When the operation mode is set to CANCEL.

Example 64: When the operation mode is set to CANCEL.

Example 65: When the operation mode is set to CANCEL.

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Example 80: When the operation mode is set to CANCEL.

Example 81: When the operation mode is set to CANCEL.

Example 82: When the operation mode is set to CANCEL.

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Example 84: When the operation mode is set to CANCEL.

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Example 86: When the operation mode is set to CANCEL.

Example 87: When the operation mode is set to CANCEL.

Example 88: When the operation mode is set to CANCEL.

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Example 90: When the operation mode is set to CANCEL.

Example 91: When the operation mode is set to CANCEL.

Example 92: When the operation mode is set to CANCEL.

Example 93: When the operation mode is set to CANCEL.

Example 94: When the operation mode is set to CANCEL.

Example 95: When the operation mode is set to CANCEL.

Example 96: When the operation mode is set to CANCEL.

Example 97: When the operation mode is set to CANCEL.

Example 98: When the operation mode is set to CANCEL.

Example 99: When the operation mode is set to CANCEL.

Example 100: When the operation mode is set to CANCEL.
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<td>7</td>
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CIRCUIT DESCRIPTION

Terminal connection diagram & key matrix connection

IC6: 1PF739ACU-232 (X05:992-71)
### Adjustment

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<tr>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
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<td></td>
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</table>

### Circuit Description

- **POWER:** Press the button; the red light comes on.
- **MOTOR VOLUME CONTROL:** ON
- **MOTOR VOLUME:** OFF
- **SWITCH:** OFF
- **SURROUND:** OFF
- **FOOTER:** OFF
- **ADJUSTMENT:** Move the knob to the desired position.
- ** alliance:** Why not try it out today!?
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or and units.
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<th>Parts No.</th>
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