SERVICE MANUAL

INTEGRATED DC SERVO STEREO AMPLIFIER

SANSUI A-1200R/1100R

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**CAUTION**

1. Parts identified by the △ symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.

2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

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**SPECIFICATIONS**

**A-1200R**

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.07% total harmonic distortion
725 watts per channel into 8 ohms

Power requirements
Power voltage: 120/220/240V (50/60 Hz)
For U.S.A. & Canada: 120V (60 Hz)
Power consumption: 360 watts (470 VA Rated)

Dimensions: 430 mm (16-15/16”) W
112 mm (4-7/16”) H
250 mm (9-7/8”) D

Weight: 7.4 kg (16.3 lbs.) net

**A-1100R**

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.07% total harmonic distortion
100 watts per channel into 8 ohms

Power requirements
Power voltage: 120/220/240V (50/60 Hz)
For U.S.A. & Canada: 120V (60 Hz)
Power consumption: 350 watts (450 VA Rated)

Dimensions: 430 mm (16-15/16”) W
112 mm (4-7/16”) H
250 mm (9-7/8”) D

Weight: 7.2 kg (15.9 lbs.) net

**A-1200R/A-1100R**

Load impedance: 8 to 16 ohms

Total harmonic distortion: less than 0.07% at or below rated min. RMS power output

Frequency response (at 1 watt): 5 to 60,000 Hz
+1 db, -3 db

RIAA curve deviation (PHONO: 20 Hz to 20 kHz): 0.5 db, -0.5 db

Input sensitivity and impedance
(1 kHz, for rated power output)
PHONO: 2.5 mV/47 kilohms
(MAX input capability: 120mV at 1 kHz, less than 0.1% total harmonic distortion)
TUNER, CD/AUX, TAPE
PLAY: 150 mV/30 kilohms

Output level (1 kHz)
TAPE REC: 130 mV into 47 kilohms

Signal to noise ratio (short-circuit, A network)
PHONO: 72 dB
TUNER, CD/AUX, TAPE, PLAY: 95 dB

* Design and specifications subject to changes without notice for improvements.
* Due to local laws and regulations, this unit sold in some areas are not equipped with variable voltage selectors.
CAUTION

1. The symbols, UL, CSA, SA, BS, UK, EU, AS, XX <EXPORT> and XX-V <EXPORT(V)> on the parts list and the schematic diagram mean followings respectively.
   UL ................................ Manufactured for U.S.A market.
   (Underwriters Laboratories approved model.)
   CSA ................................ Manufactured for Canadian market.
   SA ................................ Manufactured for South African market.
   BS, UK .............................. Manufactured for United Kingdom market.
   EU ................................ Manufactured for European market.
   AS ................................ Manufactured for Australian market.
   XX <EXPORT> ..................... Standard Version with Inner Voltage Selector.
   XX-V <EXPORT(V)> ............ Standard Version with Outer Voltage Selector.
   NON MARK ....................... Common Parts.

2. Some printed circuit boards are not supplied as the assembled. To separate these in this service manual, the stock numbers are not indicated at the ends of the board names. However, the individual parts on the circuit boards are provided by orders.

3. Since some capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors & resistors, which was issued on February 1983.

4. Abbreviations in this service manual are as follows.

<table>
<thead>
<tr>
<th>Abbreviations List</th>
<th>Abbreviations List</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.R. : Carbon Resistor</td>
<td>E.B.L. : Low Leak Bi-Polar Electrolytic Capacitor</td>
</tr>
<tr>
<td>S.R. : Solid Resistor</td>
<td>Electrolytic Capacitor</td>
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<tr>
<td>C.R. : Cement Resistor</td>
<td>T.C. : Tantalum Capacitor</td>
</tr>
<tr>
<td>M.R. : Metal Film Resistor</td>
<td>F.C. : Film Capacitor</td>
</tr>
<tr>
<td>F.R. : Fusing Resistor</td>
<td>M.P. : Metallized Paper Capacitor</td>
</tr>
<tr>
<td>C.C. : Ceramic Capacitor</td>
<td>A.C. : Array Capacitor</td>
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<tr>
<td>E.C. : Electrolytic Capacitor</td>
<td>S.V.R. : Semi Variable Resistor</td>
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<tr>
<td>E.L. : Low Leak Electrolytic Capacitor</td>
<td>SW. : Switch</td>
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<tr>
<td>E.B. : Bi-Polar Electrolytic Capacitor</td>
<td>Chip R. : Chip Resistor</td>
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<tr>
<td></td>
<td>Chip C. : Chip Capacitor</td>
</tr>
</tbody>
</table>
## 2. PARTS LOCATION & PARTS LIST

### 2-1. F-4759 Equalizer Amp. Board (Stock No. 00852601)
Component Side

**Pattern Side <Chip Parts>**

- **Note:** On this circuit board, the left channel is specified by "<" mark on top of the parts number.

<table>
<thead>
<tr>
<th>Parts List</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>• IC</td>
<td>46078900</td>
<td>M5218L</td>
</tr>
<tr>
<td>L1W1</td>
<td>46741100</td>
<td>Cross Conductor (Chip)</td>
</tr>
<tr>
<td>L2W2</td>
<td>46741100</td>
<td>Cross Conductor (Chip)</td>
</tr>
<tr>
<td>L3W3</td>
<td>46741100</td>
<td>Cross Conductor (Chip)</td>
</tr>
<tr>
<td>R1</td>
<td>46752400</td>
<td>100kΩ 1/8W Chip R.</td>
</tr>
<tr>
<td>R2</td>
<td>46746800</td>
<td>470kΩ 1/8W Chip R.</td>
</tr>
<tr>
<td>R3</td>
<td>46752400</td>
<td>100kΩ 1/8W Chip R.</td>
</tr>
<tr>
<td>R4</td>
<td>46746800</td>
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<td>R5</td>
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<td>510kΩ 1/8W Chip R.</td>
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<td>R6</td>
<td>46750800</td>
<td>22kΩ 1/8W Chip R.</td>
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<td>R7</td>
<td>46755500</td>
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<td>100kΩ 1/8W Chip R.</td>
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<tr>
<td>R12</td>
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<td>100kΩ 1/8W Chip R.</td>
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<td>C4</td>
<td>46282400</td>
<td>3300pF 50V F.C.</td>
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<tr>
<td>C5</td>
<td>46203000</td>
<td>0.01µF 50V F.C.</td>
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### 2-2. F-4761 Tone Control Board
Component Side

**Pattern Side <Chip Parts>**

- **Note:** On this circuit board, the right channel is specified by "<" mark on top of the parts number.

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<th>Description</th>
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<td>Cross Conductor (Chip)</td>
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<tr>
<td>JW2</td>
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<td>Cross Conductor (Chip)</td>
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<tr>
<td>R1</td>
<td>46750200</td>
<td>12kΩ 1/8W Chip R.</td>
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<tr>
<td>R2</td>
<td>46748200</td>
<td>1.8kΩ 1/8W Chip R.</td>
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<tr>
<td>R3</td>
<td>46753400</td>
<td>3.7MΩ 1/8W Chip R.</td>
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<td>R4</td>
<td>46781000</td>
<td>74kΩ 1/8W Chip R.</td>
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<td>R5</td>
<td>46751700</td>
<td>51kΩ 1/8W Chip R.</td>
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<td>R6</td>
<td>46748400</td>
<td>3.5kΩ 1/8W Chip R.</td>
</tr>
<tr>
<td>R7</td>
<td>46749400</td>
<td>2.2kΩ 1/8W Chip R.</td>
</tr>
<tr>
<td>R8</td>
<td>46749600</td>
<td>6.8kΩ 1/8W Chip R.</td>
</tr>
<tr>
<td>R9</td>
<td>46747200</td>
<td>680Ω 1/8W Chip R.</td>
</tr>
<tr>
<td>C1</td>
<td>46283600</td>
<td>0.039µF 50V F.C.</td>
</tr>
<tr>
<td>C2</td>
<td>46537000</td>
<td>0.22µF 50V F.C.</td>
</tr>
<tr>
<td>C3</td>
<td>48101800</td>
<td>4.7µF 10V F.C.</td>
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<td>C4</td>
<td>46281800</td>
<td>1000µF 50V F.C.</td>
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<td>C5</td>
<td>46282800</td>
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<td>C6</td>
<td>46282700</td>
<td>880µF 50V F.C.</td>
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Component Side

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<tr>
<td>c1C13</td>
<td>48103500</td>
<td>2.2µF 50V F.B.</td>
</tr>
<tr>
<td>kC14</td>
<td>48102400</td>
<td>4.7µF 25V F.B.</td>
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<tr>
<td>kVR1</td>
<td>07261800</td>
<td>1kΩ (1%) S.V.R., bias adj.</td>
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<tr>
<td>• Transistor</td>
<td>46337001</td>
<td>2SC2456</td>
</tr>
<tr>
<td>02</td>
<td>46367102</td>
<td>2SC2603</td>
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<tr>
<td>03</td>
<td>46367002</td>
<td>2SA1495</td>
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<tr>
<td>04</td>
<td>46367201</td>
<td>2SA1115</td>
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<td>• Diode</td>
<td>03117600</td>
<td>1S2473T77</td>
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<tr>
<td>04</td>
<td>46048600</td>
<td>1S1588TP-3</td>
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<td>05</td>
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<td>06</td>
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2-4. F-4765 Protector Board (Stock No. 00882401)

Component Side

Parts List

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<td>or</td>
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<td><em>IC</em></td>
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<td><em>Diode</em></td>
<td>(ID_1)</td>
<td>03117600</td>
</tr>
<tr>
<td>or</td>
<td>46086000</td>
<td>1S1588TP-3</td>
</tr>
<tr>
<td>(ID_5)</td>
<td>03117600</td>
<td>1S2473T77</td>
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<tr>
<td>or</td>
<td>46086000</td>
<td>1S1588TP-3</td>
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<tr>
<td><em>Zener Diode</em></td>
<td>(IDZ_1)</td>
<td>46115400</td>
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<tr>
<td>(IC_2)</td>
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<td>100\text{\mu}F 6.3V E.B.</td>
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2-5. F-4769 CD/AUX, TAPE-1 & TAPE-2 Input Terminal Board (Stock No. 00988601 = A-1200R/00991301 = A-1100R)

Component Side

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<td><em>Zener Diode</em></td>
<td>(mD_3)</td>
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<td>or</td>
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<td><em>IC</em></td>
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<td>or</td>
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<td>LC4966</td>
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<td>(aS_6)</td>
<td>46670600</td>
<td>Push SW., DECK SELECTOR</td>
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<td>(aZ_3)</td>
<td>48528800</td>
<td>6P Terminal, CD/AUX, TAPE-1</td>
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<tr>
<td>(aZ_5)</td>
<td>48528500</td>
<td>4P Terminal, TAPE-2</td>
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2-B. F-5121 Power Amp. & Power Supply Board (Stock No. 00988991 = A-1200R/00991601 = A-1100R)
Component Side

Parts List

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</thead>
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<td></td>
<td>AK2</td>
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<td>AK3</td>
<td>48263101 2SC3298A</td>
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<td>AK4</td>
<td>48169901 2SA1348A</td>
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<td>AK5</td>
<td>48263601 2SA1306A</td>
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<td>AK7</td>
<td>07246001 2SC2773 A-1200R</td>
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<td>AK6</td>
<td>48497401 2SC3867 A-1200R</td>
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<td>AK9</td>
<td>48406081 2SC3966 A-1100R</td>
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<td>AK10</td>
<td>07246601 2SA1169 A-1200R</td>
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<td>AK8</td>
<td>48497301 2SA1493 A-1200R</td>
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<td>AK11</td>
<td>48490701 2SC1491 A-1100R</td>
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<td>KIC1</td>
<td>48127000 STK3152III</td>
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<td>KIC2</td>
<td>46228400 330 1/2W N.I.R.</td>
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<td>KIC12</td>
<td>46228600 470 1/2W N.I.R.</td>
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<td>KIC15</td>
<td>46229200 1500 1/2W N.I.R.</td>
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<td>KIC16</td>
<td>07236100 0.47FD52 1W N.C.R.</td>
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<td>KIC17</td>
<td>46248100 100 1/2W N.I.R.</td>
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<td>KIC18</td>
<td>07236100 0.47FD52 2W N.C.R.</td>
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<td>KIC19</td>
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<td>KIC20</td>
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<td>KIC22</td>
<td>46283700 0.047F 50V C.C.</td>
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<tr>
<td>DI1</td>
<td>48073600 Relay</td>
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<td>mD24</td>
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<td>03169900 RD10F</td>
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<td>mC10</td>
<td>06904000 0.01µF 500V C.C.</td>
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2-10. F-5459 Master Volume Board
Component Side

Parts List
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<th>Description</th>
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<tbody>
<tr>
<td>jFL1</td>
<td>48172000</td>
<td>CR Module</td>
</tr>
<tr>
<td>jVR1</td>
<td>48171000</td>
<td>150kΩ IBI V.R., VOLUME</td>
</tr>
<tr>
<td>oS5</td>
<td>48224600</td>
<td>Push SW, LOUDNESS</td>
</tr>
<tr>
<td>oS8</td>
<td>48224600</td>
<td>Push SW, MUTING</td>
</tr>
</tbody>
</table>

2-11. F-5460 Electric Volume Control Board (Stock No. 0099301 = A-1200R/00994201 = A-1100R)
Component Side

Parts List
<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Transistor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>jQ51</td>
<td>46367101</td>
<td>2SC2603</td>
</tr>
<tr>
<td>jQ52</td>
<td>46367101</td>
<td>2SC2503</td>
</tr>
<tr>
<td>jQ53</td>
<td>46367701</td>
<td>2SC2503</td>
</tr>
<tr>
<td>jC51</td>
<td>46078900</td>
<td>M5218L</td>
</tr>
<tr>
<td>jC52</td>
<td>46843500</td>
<td>M5219L</td>
</tr>
<tr>
<td>jC53</td>
<td>46078900</td>
<td>M5218L</td>
</tr>
<tr>
<td>jC54</td>
<td>46067100</td>
<td>NJM4558S</td>
</tr>
<tr>
<td>jC55</td>
<td>46014700</td>
<td>M5218L</td>
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<tr>
<td>*Diode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>jD51</td>
<td>03111760</td>
<td>1S2473T77</td>
</tr>
<tr>
<td>jD52</td>
<td>03111760</td>
<td>1S1588TP-3</td>
</tr>
<tr>
<td>jC53</td>
<td>46928500</td>
<td>10µF 18V E.C.</td>
</tr>
<tr>
<td>jC54</td>
<td>46928500</td>
<td>10µF 18V E.C.</td>
</tr>
<tr>
<td>jC55</td>
<td>46931200</td>
<td>1µF 50V E.C.</td>
</tr>
<tr>
<td>jC57</td>
<td>48102000</td>
<td>10µF 16V E.B.</td>
</tr>
</tbody>
</table>

2-12. F-5461 Remoto Control Receiver Unit Board
Component Side

Parts List
<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>wP1</td>
<td>48521000</td>
<td>BX1409 Remoto Control Receiver Unit</td>
</tr>
</tbody>
</table>
2-13. F-5462 Remoto Control Receiver Controller Board

Component Side

Parts List

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>wQ1</td>
<td>46188701</td>
<td>2SC1815</td>
</tr>
<tr>
<td></td>
<td>or 48369801</td>
<td>2SC2001</td>
</tr>
<tr>
<td></td>
<td>or 48367101</td>
<td>3SC2603</td>
</tr>
<tr>
<td></td>
<td>or 46367301</td>
<td>2SC2458</td>
</tr>
<tr>
<td>wQ2</td>
<td>46188701</td>
<td>2SC1815</td>
</tr>
<tr>
<td></td>
<td>or 46359801</td>
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</tr>
<tr>
<td></td>
<td>or 48367101</td>
<td>2SC2458</td>
</tr>
<tr>
<td></td>
<td>or 46367301</td>
<td>2SC2001</td>
</tr>
<tr>
<td>wQ3</td>
<td>46367101</td>
<td>2SC2603</td>
</tr>
<tr>
<td></td>
<td>or 46359801</td>
<td>2SC2001</td>
</tr>
<tr>
<td></td>
<td>or 46367301</td>
<td>2SC2458</td>
</tr>
<tr>
<td>wQ4</td>
<td>46188701</td>
<td>2SC1815</td>
</tr>
<tr>
<td></td>
<td>or 46359801</td>
<td>2SC2001</td>
</tr>
<tr>
<td></td>
<td>or 46367101</td>
<td>2SC2603</td>
</tr>
<tr>
<td>wQ5</td>
<td>46367301</td>
<td>2SC2458</td>
</tr>
<tr>
<td></td>
<td>or 46359801</td>
<td>2SC2001</td>
</tr>
<tr>
<td></td>
<td>or 46367101</td>
<td>2SC2603</td>
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'*IC

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>wIC1</td>
<td>48223600</td>
<td>M50117P</td>
</tr>
<tr>
<td>wIC2</td>
<td>48446200</td>
<td>TC4614BP</td>
</tr>
<tr>
<td></td>
<td>or 48508500</td>
<td>pD45148C</td>
</tr>
<tr>
<td></td>
<td>or 03604100</td>
<td>TC4011P</td>
</tr>
<tr>
<td></td>
<td>or 07200700</td>
<td>MC140118CP</td>
</tr>
<tr>
<td></td>
<td>or 46231900</td>
<td>M4011BP</td>
</tr>
<tr>
<td>wX1</td>
<td>48224300</td>
<td>Ceramic OSC Element KBR-455</td>
</tr>
</tbody>
</table>

'Diode

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>wD1</td>
<td>03117600</td>
<td>1S2473TP-3</td>
</tr>
<tr>
<td></td>
<td>or 46086000</td>
<td>1S1588TP-3</td>
</tr>
<tr>
<td>wD2</td>
<td>03117600</td>
<td>IS247377</td>
</tr>
<tr>
<td></td>
<td>or 46086000</td>
<td>IS1588TP-3</td>
</tr>
<tr>
<td>wD3</td>
<td>03117600</td>
<td>IS247377</td>
</tr>
<tr>
<td></td>
<td>or 46086000</td>
<td>IS1588TP-3</td>
</tr>
</tbody>
</table>

2-14. F-5463 Compu Selector Jack Board

Component Side

Parts List

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>oJ2</td>
<td>46547200</td>
<td>Jack, Compu Selector-PHONO</td>
</tr>
<tr>
<td>oJ3</td>
<td>46547200</td>
<td>Jack, Compu Selector-TUNER</td>
</tr>
<tr>
<td>oJ4</td>
<td>46547200</td>
<td>Jack, Compu Selector-CD/AUX</td>
</tr>
<tr>
<td>oJ5</td>
<td>46547200</td>
<td>Jack, Compu Selector-TAPE-1</td>
</tr>
<tr>
<td>oJ6</td>
<td>46547200</td>
<td>Jack, TUNER REMOTO</td>
</tr>
<tr>
<td>oZ2</td>
<td>46528400</td>
<td>2P Terminal, PHONO</td>
</tr>
</tbody>
</table>

2-15. F-5464 Tuner Remoto Jack Board

Component Side

Parts List

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>oS51</td>
<td>46670600</td>
<td>Push SW., EXT-TIMER SET</td>
</tr>
<tr>
<td>oZ7</td>
<td>48528400</td>
<td>2P Terminal, TUNER</td>
</tr>
</tbody>
</table>
2-16. F-5471 BASS, TREBLE & BALANCE Volume Board
Component Side

Parts List

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JVR2</td>
<td>48171200</td>
<td>250kΩ (W) V.R., BALANCE</td>
</tr>
<tr>
<td>JVR3</td>
<td>48171200</td>
<td>50kΩ (C) V.R., BASS</td>
</tr>
<tr>
<td>JVR4</td>
<td>48171200</td>
<td>50kΩ (C) V.R., TREBLE</td>
</tr>
<tr>
<td>nLD1</td>
<td>40172100</td>
<td>BR3447S, PHONO</td>
</tr>
<tr>
<td>nLD2</td>
<td>40172100</td>
<td>BR3447S, TUNER</td>
</tr>
<tr>
<td>nLD3</td>
<td>40172100</td>
<td>BR3447S, TAPE-1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nLD4</td>
<td>40172100</td>
<td>BR3447S, TAPE-2</td>
</tr>
<tr>
<td>nLD5</td>
<td>40172100</td>
<td>BR3447S, CD/AUX</td>
</tr>
<tr>
<td>nLD6</td>
<td>40185610</td>
<td>LT1144 Level Meter LED</td>
</tr>
<tr>
<td>nPL1</td>
<td>40191900</td>
<td>12V 0.15A Pilot Lamp</td>
</tr>
<tr>
<td>nPL2</td>
<td>46236600</td>
<td>12V 0.16A Pilot Lamp</td>
</tr>
<tr>
<td>oS4</td>
<td>40178600</td>
<td>Push SW., INPUT Lamp</td>
</tr>
<tr>
<td>oS7</td>
<td>46556300</td>
<td>Push SW., TAPE SELECTOR</td>
</tr>
</tbody>
</table>

3. OTHER PARTS

3-1. Front View

Parts List

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>47746900</td>
<td>Knob, POWER</td>
</tr>
<tr>
<td>2</td>
<td>4813300</td>
<td>Push SW., POWER</td>
</tr>
<tr>
<td>3</td>
<td>2720700</td>
<td>Front Panel Ass'y (A-1200R)</td>
</tr>
<tr>
<td>4</td>
<td>27207500</td>
<td>Front Panel Ass'y (A-1100R)</td>
</tr>
<tr>
<td>5</td>
<td>47910200</td>
<td>Bonnet</td>
</tr>
<tr>
<td>6</td>
<td>48178600</td>
<td>Push SW., PHONO-TUNER-CD/AUX- TAPE-1</td>
</tr>
<tr>
<td>7</td>
<td>48171000</td>
<td>150kΩ (B) V.R., VOLUME</td>
</tr>
<tr>
<td>8</td>
<td>47761600</td>
<td>Volume Knob Ass'y</td>
</tr>
<tr>
<td></td>
<td>46224600</td>
<td>Push SW., MUTING-LOUDNESS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>47763510</td>
<td>Push Knob, MUTING-LOUDNESS</td>
</tr>
<tr>
<td>10</td>
<td>46568300</td>
<td>Push SW., TAPE-2</td>
</tr>
<tr>
<td>11</td>
<td>48171100</td>
<td>250kΩ (W) V.R., BALANCE</td>
</tr>
<tr>
<td>12</td>
<td>48171200</td>
<td>50kΩ (C) V.R., BASS-TREBLE</td>
</tr>
<tr>
<td>13</td>
<td>47732900</td>
<td>Slide Knob, BALANCE-TREBLE</td>
</tr>
<tr>
<td>14</td>
<td>48170900</td>
<td>Push SW., SPEAKERS</td>
</tr>
<tr>
<td>15</td>
<td>07911000</td>
<td>Push Knob, SPEAKERS</td>
</tr>
<tr>
<td>16</td>
<td>46265700</td>
<td>Head phone Jack</td>
</tr>
<tr>
<td>17</td>
<td>48185810</td>
<td>Peak Level Meter LED, LT1144</td>
</tr>
</tbody>
</table>

10
4. ADJUSTMENT (See Top View on page 11)

Note:
1. Motor Volume: Minimum
2. Room Temperature: 15°C ~ 25°C (67°F ~ 77°F)
3. For this adjustment, run the unit for more than 5 minutes after the power is switched ON.

*A-1200R

<table>
<thead>
<tr>
<th>STEP</th>
<th>SUBJEC</th>
<th>MEASURE OUTPUT</th>
<th>ADJUST</th>
<th>ADJUST FOR</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bus Current Adj.</td>
<td>L-Ch</td>
<td>Test Terminal (OP) (Between emitters of power transistors (QCH, QCH2))</td>
<td>VR1, L-Ch (F-4762)</td>
<td>DC 15mV ± 2mV</td>
</tr>
<tr>
<td>2.</td>
<td>Bus Current Adj.</td>
<td>R-Ch</td>
<td>Test Terminal (OP) (Between emitters of power transistors (QCH, QCH2))</td>
<td>VR1, R-Ch (F-4762)</td>
<td>DC 15mV ± 2mV</td>
</tr>
</tbody>
</table>

*A-1100R

<table>
<thead>
<tr>
<th>STEP</th>
<th>SUBJEC</th>
<th>MEASURE OUTPUT</th>
<th>ADJUST</th>
<th>ADJUST FOR</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bus Current Adj.</td>
<td>L-Ch</td>
<td>Test Terminal (OP) (Between emitters of power transistors (QCH, QCH2))</td>
<td>VR1, L-Ch (F-4762)</td>
<td>DC 5.6mV ± 2mV</td>
</tr>
<tr>
<td>2.</td>
<td>Bus Current Adj.</td>
<td>R-Ch</td>
<td>Test Terminal (OP) (Between emitters of power transistors (QCH, QCH2))</td>
<td>VR1, R-Ch (F-4762)</td>
<td>DC 5.6mV ± 2mV</td>
</tr>
</tbody>
</table>

5. INTERIOR BLOCK DIAGRAM OF ICs

*NJM4558BD (OP Amp.)

*MS218L, MS219L & NM4558S (OP Amp.)

*TC4011P, MC14011BCS & M4011BP (Quad NAND)

*STK3152III (Drive Amp.)

*M50115P (Remoto Control Transmitter)

*M50117P (Function Remoto Control Receiver)

*MN6632A (Electronic Volume)

*LC4066 BH/LC4986 (Quad Analog SW.)

*TA7317P (Speaker Protector)
6-2. Power Supply and Remote Control Circuit
7. WIRING DIAGRAM
## 8. PACKING LIST

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>27306100</td>
<td>Vinyl Bag</td>
</tr>
<tr>
<td>2</td>
<td>27139910</td>
<td>Styrofoam Packing</td>
</tr>
<tr>
<td>3</td>
<td>27201400</td>
<td>Sub Packing</td>
</tr>
<tr>
<td>4</td>
<td>27207300</td>
<td>Carton Case &lt;A-1200R&gt;</td>
</tr>
<tr>
<td></td>
<td>27207400</td>
<td>Carton Case &lt;A-1100R&gt;</td>
</tr>
</tbody>
</table>

## 9. ACCESSORY LIST

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>49012100</td>
<td>Operating Instruction: &lt;A-1200R/1100R&gt; (XX-VU, UL &amp; CSA)</td>
</tr>
<tr>
<td>40101700</td>
<td>Mini Pin Plug Cord</td>
</tr>
<tr>
<td></td>
<td>Remoto Controller Unit (RS-2001)</td>
</tr>
</tbody>
</table>

---

[Image: A-1200R/1100R]