TABLE OF CONTENTS

Chassis Layout.................................................................1
Specifications........................................................................2
Adjustment...........................................................................2
Wiring Diagram.................................................................3
Printed Circuit Boards.......................................................4
Schematic Diagram............................................................5
PC Board Ass’y Parts List.....................................................6

THE ROTEL CO., LTD.
1-36-8, OHOKAYAMA, MEGURO-KU, TOKYO 152, JAPAN

ROTEL ELECTRONICS CO., LTD.
3F-2, NO.35, FU HSING NORTH ROAD, TAIPEI, TAIWAN, REPUBLIC OF CHINA
Specifications

Continuous Power
Output .......................... 40 watts* per channel, min.
RMS both channels driven into
8 ohms from 20 to 20,000 kHz
with no more than 0.05% total
harmonic distortion.

DIN Output .......................... 60 watts per channel (1 kHz,
4 ohms, 1% THD)

Music Power .......................... 110 watts

Total Harmonic
Distortion (20 to 20 kHz
from AUX) ......................... No more than 0.05% (continuous
rated power output) No more
than 0.03% (continuous 1/2 rated
power output) No more than
0.03% (1 watt per channel power
output, 8 ohms)

Intermodulation
Distortion
(60 Hz : 7 kHz = 4:1) ............ No more than 0.03% (continuous
rated power output)
No more than 0.01% (continuous
1/2 rated power output)
No more than 0.02% (1 watt per
channel power output, 8 ohms)

Output: Speakers ............... 4 ohms minimum
Headphone .................... 8 - 2,000 ohms
Damping Factor .............. 150 (20 to 20,000 Hz, 8 ohms)

Input Sensitivity/Impedance:
CD, TUNER .......................... 210 mV/15 kohms
AUX, TAPE 1, 2 .............. 210 mV/15 kohms

Overload Level (THD 0.5%, 1 kHz):
CD, TUNER ......................... 5 V
AUX, TAPE 1, 2 .............. 5 V

Frequency Response:
CD, TUNER .......................... 10 to 100 kHz, +1.0 dB, -3.0 dB
AUX, TAPE 1, 2 .............. 10 to 100 kHz, +1.0 dB, -3.0 dB

Signal to Noise Ratio (IHF, A network):
CD, TUNER ......................... 105 dB
AUX, TAPE 1, 2 .............. 105 dB

MISCELLANEOUS
Power Requirement ............ 120 V/60 Hz, 230 V/50 Hz,
240 V/50 Hz (depending on
destinations)

Power Consumption ............ 300 Watts

Dimension (overall) ............ 440 (W) x 92 (H) x 347 (D) mm
17-3/8" x 3-5/8" x 13-11/16"

Weight (net) .................... 6.1 kg/13.4 lbs

- Specifications and design subject to possible modification
  without notice.
- *Measured pursuant to the Federal Trade Commission's
  Trade Regulation Rule or, Power Claims for Amplifiers
  (applicable to the U.S.A. only).

Power Amplifier Bias Adjustment

Instruments: DC milli-voltmeter

Notes: Prior to Bias Adjustment, run about 5 minutes with rated output
(8 ohm) and warm up Power Transistor and Heat Sink.
Set Volume control to minimum.

<table>
<thead>
<tr>
<th>Step</th>
<th>Coupling</th>
<th>Adjust</th>
<th>Adjust for</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plus Lead</td>
<td>Minus Lead</td>
<td>VR601</td>
</tr>
<tr>
<td>1</td>
<td>TP3</td>
<td>TP1</td>
<td>VR601</td>
</tr>
<tr>
<td>2</td>
<td>TP4</td>
<td>TP2</td>
<td>VR602</td>
</tr>
<tr>
<td>SYMBOL</td>
<td>PARTS NO.</td>
<td>DESCRIPTION</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
<td>------------------------------</td>
<td></td>
</tr>
<tr>
<td>KB10001734</td>
<td>KNOB 4TQF-19</td>
<td>24F</td>
<td></td>
</tr>
<tr>
<td>KB10001746</td>
<td>KNOB 4TQF-20</td>
<td>33F (WR)</td>
<td></td>
</tr>
<tr>
<td>KB10001758</td>
<td>KNOB 4TQF-21</td>
<td>33F (WF)</td>
<td></td>
</tr>
<tr>
<td>FE00000079</td>
<td>FELT 4TR-1083B#3</td>
<td>46F</td>
<td></td>
</tr>
<tr>
<td>FE00000092</td>
<td>FELT 4TR-1083B#2</td>
<td>30F</td>
<td></td>
</tr>
<tr>
<td>SR00000882</td>
<td>UPPER COVER SPACER</td>
<td>4TR-2418</td>
<td></td>
</tr>
<tr>
<td>MN10002975</td>
<td>OWNER'S MANUAL RA-935BX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PL00001051</td>
<td>STYROL SIDE MOULDING</td>
<td>2TR-2800 TZ-183</td>
<td></td>
</tr>
</tbody>
</table>