## JC-50 SERVICE NOTES

**Second Edition**

This Service Notes makes First Edition (Printed FEB. 1, 1979) obsolete and includes its contents in PART2 of this edition.

**APPLICABLE TO JC-50 MODELS with Serial Numbers**

- **PART1 (PP.1 thru 3)** 258400 and up (except USA) 251100 and up (USA only)
- **PART2 (PP.5 thru 8)** up to 248399 up to 241099 (USA only)

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Output</th>
<th>Dimensions</th>
<th>50 W (rms)</th>
<th>548(W) x 506(H) x 239(D) mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker</td>
<td>Dimensions</td>
<td>30 cm x 1</td>
<td>21-5/8&quot; x 19-7/8&quot; x 9-3/8&quot;</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Weight</td>
<td>150 VA</td>
<td>18 kg, 40 lbs</td>
</tr>
</tbody>
</table>

#### JACK

- 13449105 SG-7615
- 13449201 TJ-253-8

#### POWER TRANSFORMER

- 22450144N 100/117V
- 22450144D 220/240V

#### REVERB UNIT

- 12389104 HS-700W

#### FUSE

- 12589117 MGC-3A 100V
- 12589117 CEE T1.6A prl. 220/240V
- 12589117 CEE T44A sec. 220/240V
- 12199514 SN-2500 or FH-032
- 12199514 SN-2250 or FH-033
- 12199519 TF-75B sec. 100/117V or FH-032
- 12199519 TF-75B sec. 220/240V

#### PCB ASSEMBLY

Compatible with old one. See P.2 for detail.

### POTENTIOMETER

13219212 EV9-6PA361B14 10kB REVERB
13219210 EV9-6PA361A15 100kA VIB SPEED
13219213 EV9-6PA361B15 100kA VIB SPEED
13219239 EV9-6PA361AF5 250kA BASS
13219282 EV9-6PA361BF5 250kA TREBLE
13219283 EV9-6PA361B16 1MB VOLUME
13219801 EV9-6PA361B14 10kC w/SW DISTORTION

### RESISTOR

- 13869301 0.33Ω 5W cement
- 13829524F 330Ω 2W metal oxide film
- 12559702 FRNB 10Ω 1/2W fusible
- 12559704 FRNB 100Ω 1/2W fusible
- 13829802M2 ERD-50F 27Ω 1W metal oxide film non-flammable

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Printed in Japan BC-2 1
WHEN SUBSTITUTING THIS BOARD FOR ITS PREDECESSOR, FOLLOW THE PROCEDURE BELOW:
- Prepare new CH/VIB SW, SSM043-00, and interwire PCB and SW terminals of the same number – 30 thru 37.
- VR9 on the rear panel becomes obsolete.
- Remove the resistor from BRIGHT SW and rewire the lead from terminal No.2.
- Terminal pads, marked A or B, should be left unconnected.
Signal Voltages Taken Under Conditions:

- Input: 1kHz sine
- Tone controls: BASS - FCW, TRE - FCW

Secondary Winding Ratings (DC):
- 36.5V x 2 @ 1.3A
- 2200µF INPUT

JACKS COLD terminals not connected to PCB terminals are to chassis.
**JC-50**

**SERVICE NOTES**

**SPECIFICATIONS**

- Output: 50W rms into 8-ohm
- Speaker: 30cm x 1
- Input Jack: High/Low
- Controls: Volume, Treble, Bass, Distortion, Reverb, Vibrato Speed, Vibrato Depth, Chorus/Vibrato Select, Bright ON/OFF

**APPLICABLE TO SERIAL NUMBERS**

Up to 248399, Up to 241099 (USA only)

- Foot Switch: Reverb, Distortion, Jack
- Chorus/Vibrato
- Output Jack: Headphones
- Power Consumption: 150VA
- Weight: 16Kg
- Accessory supplied: Vinyl Cover

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**Power Supply Parts Layout**

1. Fuse Holder SN-2059 (012-020)
2. Fuse primary H6C 3A (008-059)
3. Line Capacitor BOQ-1A472MO (035-107)
4. Strain Relief EA-5 (047-025)
5. Clamp HP-5N (047-006)
6. Line Capacitor BOQ-1A479MO (035-108)
7. Power Switch S-7B-7 (001-235)
8. Power Transformer (022-1110)

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**Printed in Japan BC-2 5**
IMPORTANT
If, as a substitutive for this board, PCB ASS'Y 70113260 or PCB 22910188 is supplied, see page 2 for replacement procedure.
ADJUSTMENT

Rev. Dist. Vib-Speed, –Depth at minimum.
Set Input Signal for the JC-50's maximum output (onset of clipping) -- approx. 20V rms.
Connect oscilloscope lead to PH lead on AP-110. -- Fig.1

BBD OUTPUT WAVE ADJUSTMENT

Adjust VR-8 for Fig.2.

CHORUS ADJUSTMENT

Connect oscilloscope to no. 36 terminal on AP-110. Adjust VR-9 for Fig.3.

* Resistors of 1W ±5%, mylar, ceramic, and ordinary electrolytic capacitors are omitted.
* For other parts not listed above, see pictorial.
JC-50 SECOND EDITION
JC-50 up to 248399/以前
up to 241099(USA only)

PART NUMBER ERROR
"ワゴロコト"誤記訂正

* Switch SSM023-00
  (001=235)

* Switch SSM022-00
  (001=182)

* Switch SSM023-00
  (13159301)

* Switch SSM022-00
  (13159101)

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Parts List

001-182 Switch SSM-022-00
  slide Bright

001-235 Switch SSM-023-00
  slide Vib/Cho

13159101 Switch SSM-022-00
  slide Bright

13159301 Switch SSM-023-00
  slide Vib/Cho

* Please amend all existing service notes as above.
* 該当サービスナートを上記のように修正して下さい。