ALIGNMENT METHOD

AUDIO SECTION 3220PE/3020e

IMPORTANT
Speaker impedance switch should be in 8 ohm position while adjust center voltage and idling current.

INITIAL ADJUSTMENT (No load connected)
A. CENTER VOLTAGE
1. Connector DC millivoltmeter to L channel output terminal.
2. Turn on and adjust to 0 V+/-30mV with R411 (100 ohm). Connect DC millivoltmeter to R channel output terminal and adjust R412 to 0 V+/-30mV.

B. IDLING CURRENT
1. Remove solder short across R455 and R456.
2. Connect DC millivoltmeter across R455 (1 ohm) (output transistor's collector resistor) and adjust R443 for 26-30mV reading on meter. Repeat adjustment with R444, connecting meter across R456 (1 ohm).
3. Leave power on for minimum 5 minutes.

FINAL ADJUSTMENT
C. CENTER VOLTAGE
1. Repeat step A about.

D. IDLING CURRENT
1. Repeat step B and adjust with R443, R444 for 30mV reading on meter.
2. After the alignment is finished, 1 ohm resistor R455, R456 is shorted by solder short.
NOTES:
1. RESISTORS ARE 1/4W UNLESS OTHERWISE SPECIFIED.
2. A GROUND REFERENCE MOUNTED ON FRAME OR C.A.
3. ^ GROUND PARTS MOUNTED ON FRAME HEATSHIELD.
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5. RACK AND RACK USED FOR ISOLATING CURRENT ADJUST ONLY
   MUST BE SHIELDED IN NORMAL OPERATION.
6. VOLTAGES SHOWN ARE MEASURED WITH NO SIGNAL APPLIED.

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