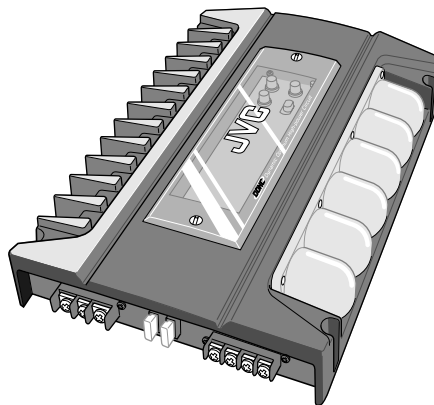


JVC

SERVICE MANUAL

POWER AMPLIFIER

KS-AX6700



Areas suffix

J ----- Nothem America
E ----- Continental Europe

Caution

If electricity is connected during disassembly, it must be a no load current. If it is load current, be sure to attach a heat sink to the power-amp IC. This will be damaged if the above precautions are not followed, as it does not have a sub heat sink attached to it.

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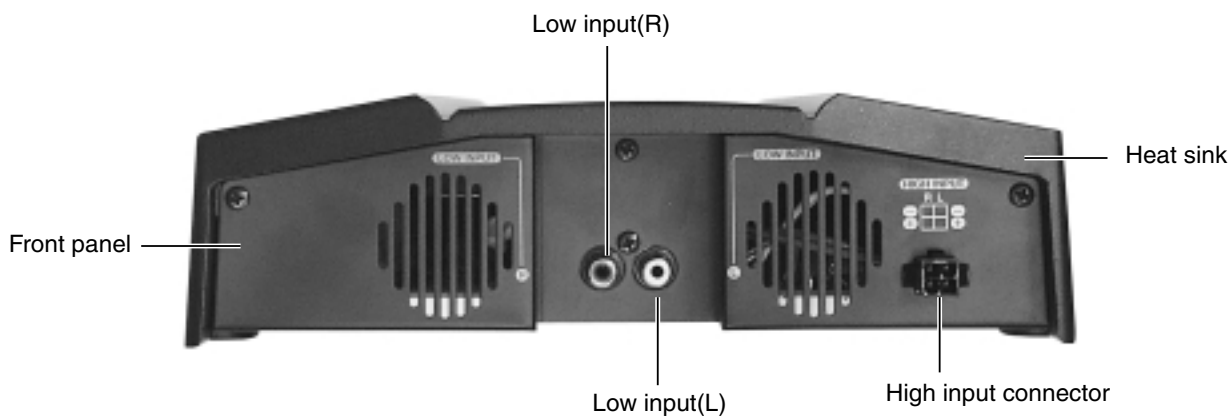
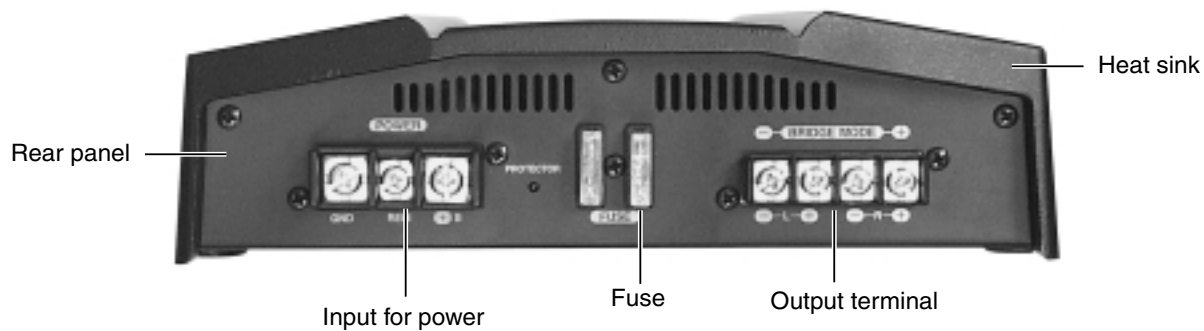
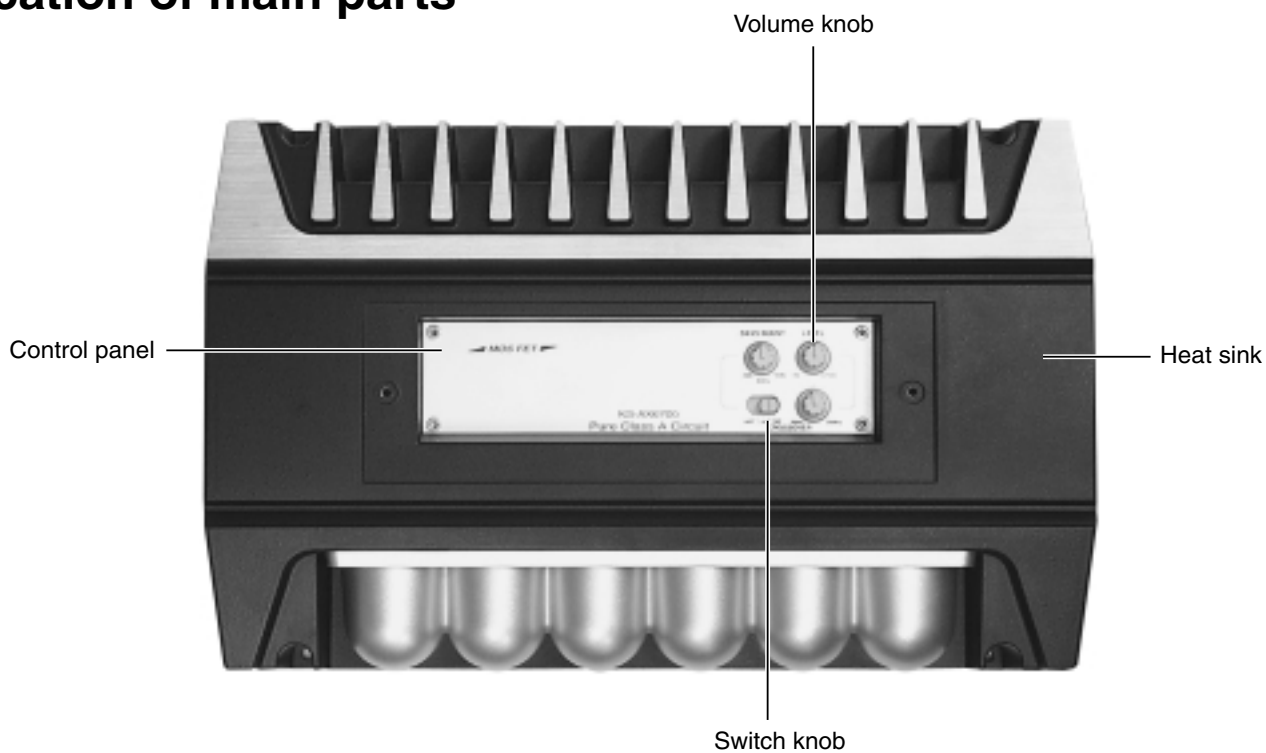
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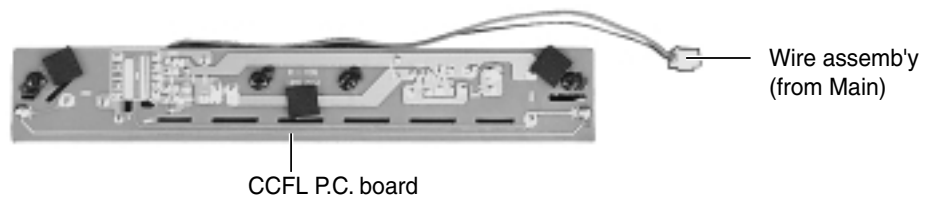
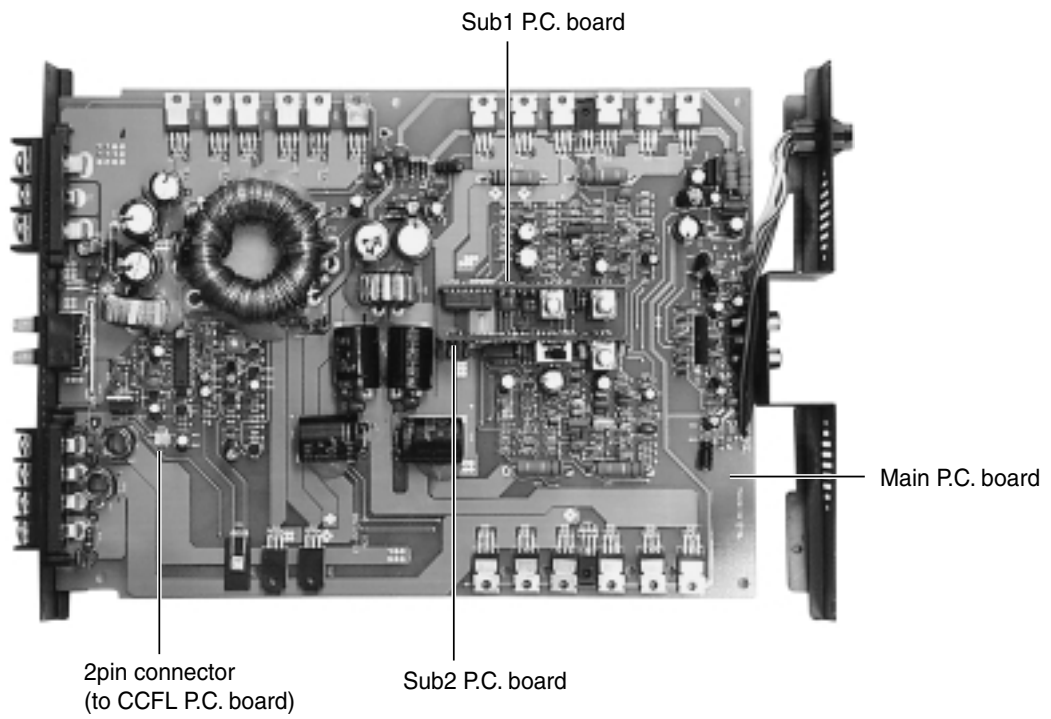
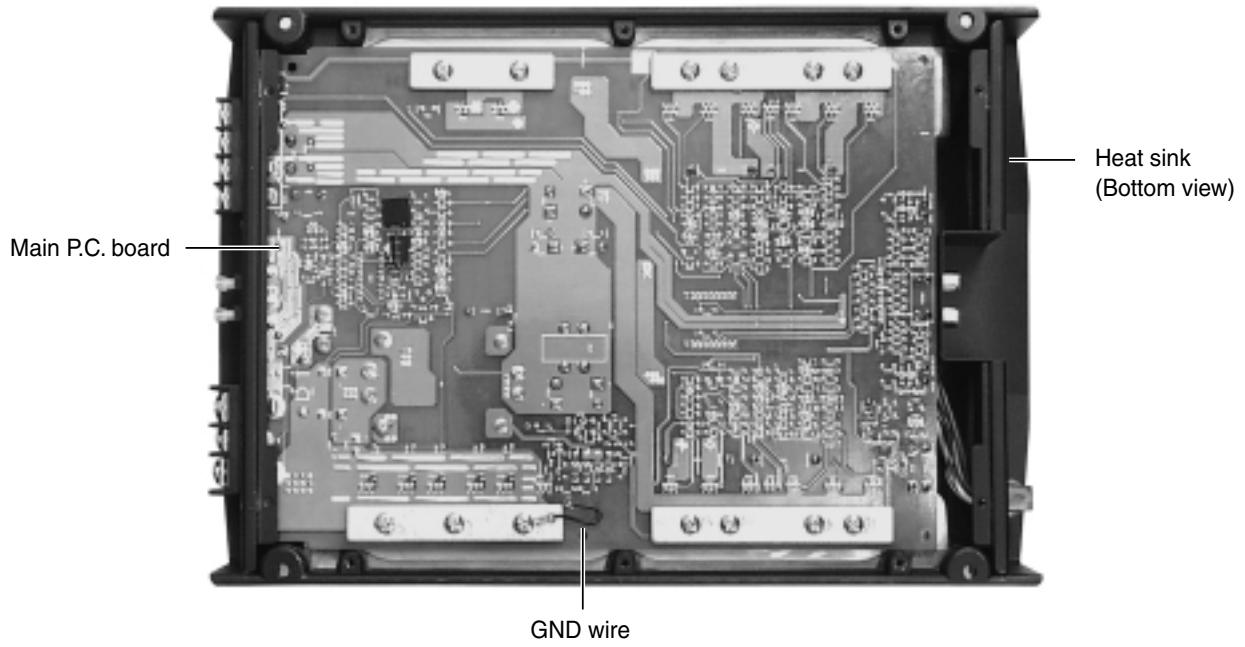
Safety precaution



CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

Location of main parts





Removal of main parts

CAUTION: If electricity is connected during disassembly, it must be a no load current. If it is load current, be sure to attach a heat sink to the power-amp IC. This will be damaged if the above precautions are not followed, as it does not have a sub heat sink attached to it.

■ Removing the bottom cover (see Fig. 1)

1. From the bottom side of the main unit, remove the 4 screws A retaining the bottom cover.
2. Then remove the 6 screws B retaining the bottom cover.
3. Remove the bottom cover.

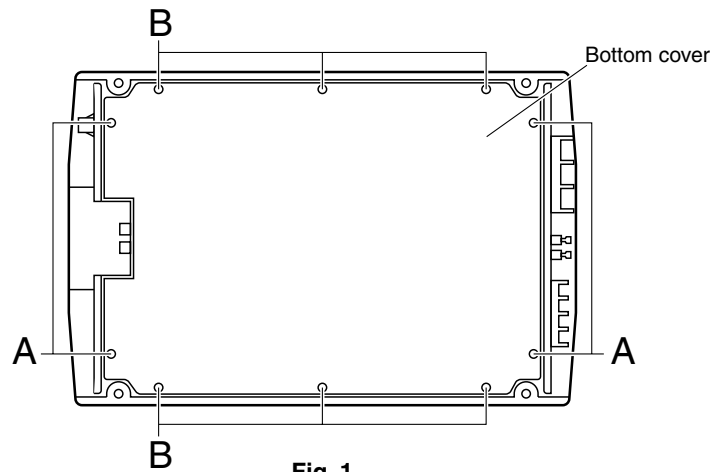


Fig. 1

■ Removing the main P.C. board (see Fig. 2 to 8)

1. Remove the bottom cover from the main unit.
2. Loosen and remove the 2 screws C retaining the top plate on the main unit. (Stoppers are attached to the backs of the C screws so that they cannot be removed easily.)

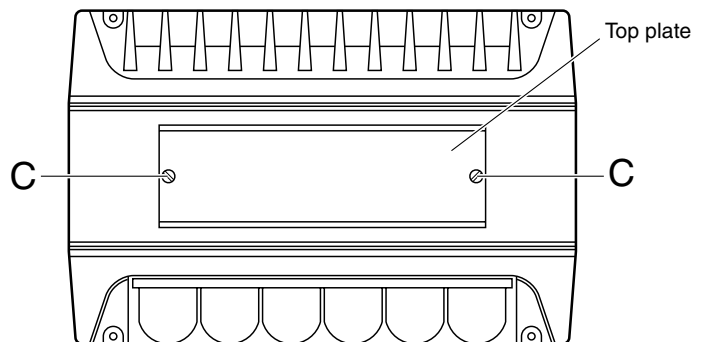


Fig. 2

3. Remove the 3 volume knobs on top of the control panel. If it cannot be pulled out easily, insert a scale or suitable lever between the base of the volume knob and the control panel so that the volume knob is raised a little above the surface and then remove it. **(Be careful when inserting a lever etc. not to scratch the surface of the control panel).**

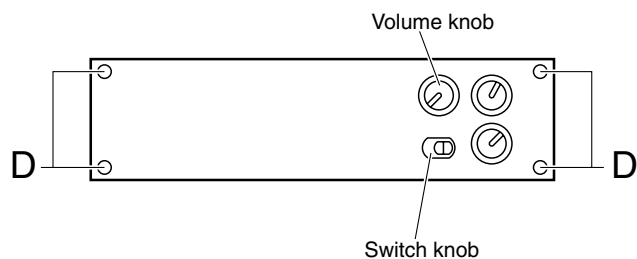


Fig. 3

4. Remove the 4 screws D retaining the control panel. Then detach the control panel and the switch knob.

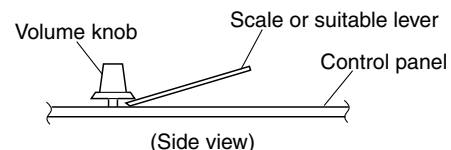


Fig. 4

- Remove the 6 screws E retaining the panels on both sides of the main unit.

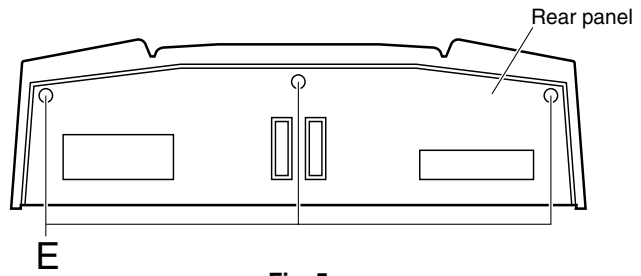


Fig. 5

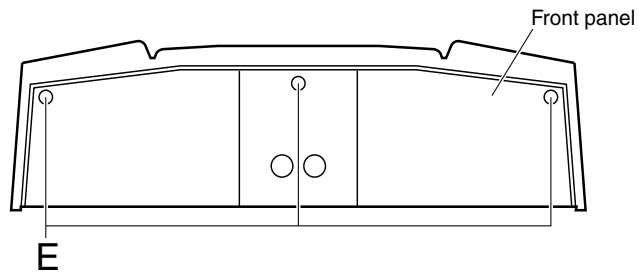


Fig. 6

- Remove the 13 screws F attaching the main P.C. board to the bottom of the main unit.
(The GND wire that protrudes from the main P.C. board must be re-installed to its original position during re-assembly.)

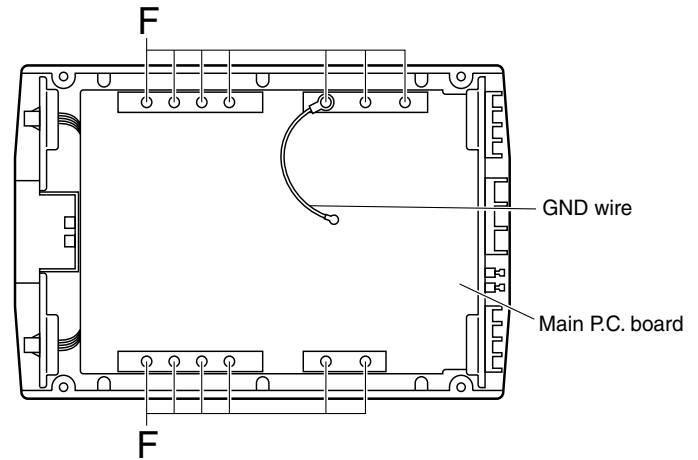
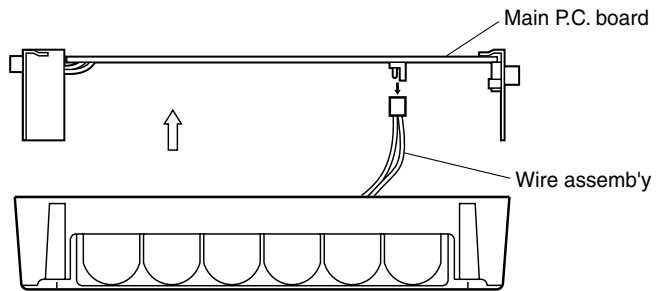


Fig. 7

- To remove the wire ass'y, lift up the main P.C. board a little.



(Side view)

Fig. 8

■ Removing the CCFL board (see Fig. 9 to 12)

1. Remove the bottom cover.
2. Then remove the Main P.C. board.
3. From the bottom side of the main unit, remove the 4 screws G retaining the CCFL cover.

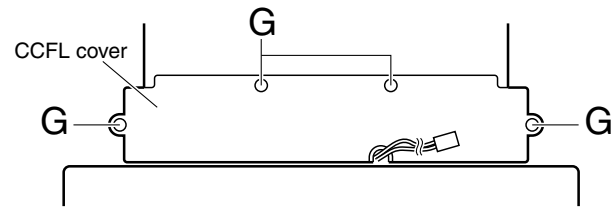


Fig. 9

4. Then remove the insulation sheet on top of the CCFL P.C. board.

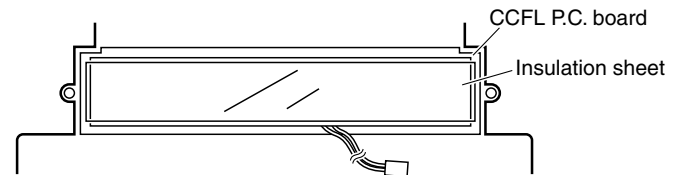


Fig. 10

5. Remove the 4 screws H retaining the CCFL P.C. board.

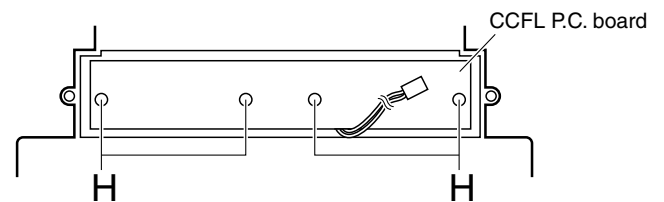


Fig. 11

6. Remove the CCFL P.C. board by sliding it a little towards the arrow mark.

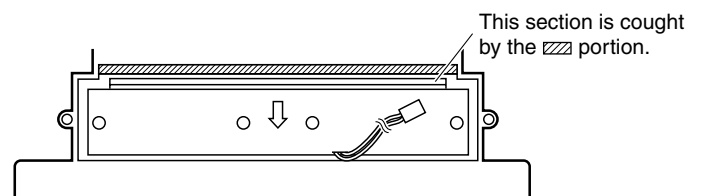
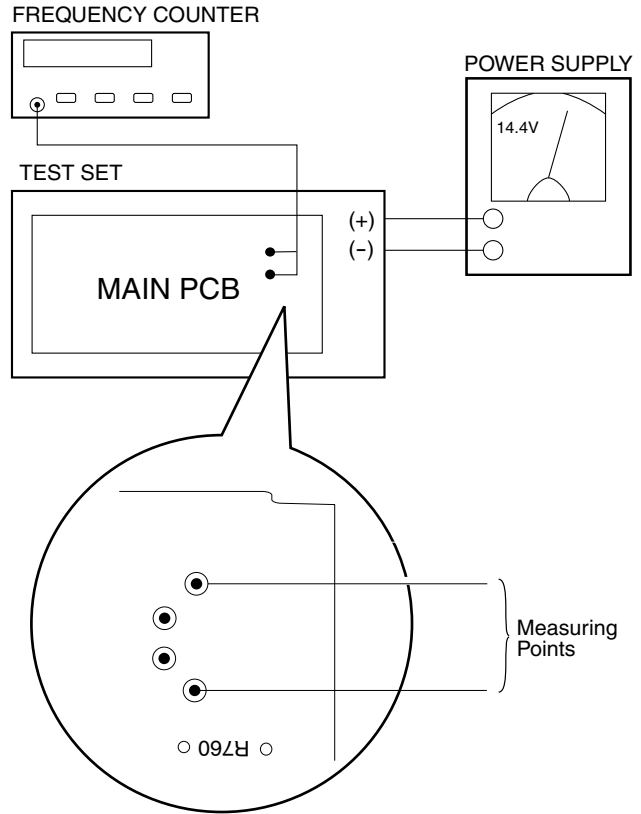


Fig. 12

Adjustment method

1. Check the voltage and frequency of the secondary toroidal coil.

FREQUENCY:24.35kHz ±10Hz
 VOLTAGE VALUE:55Vp-p



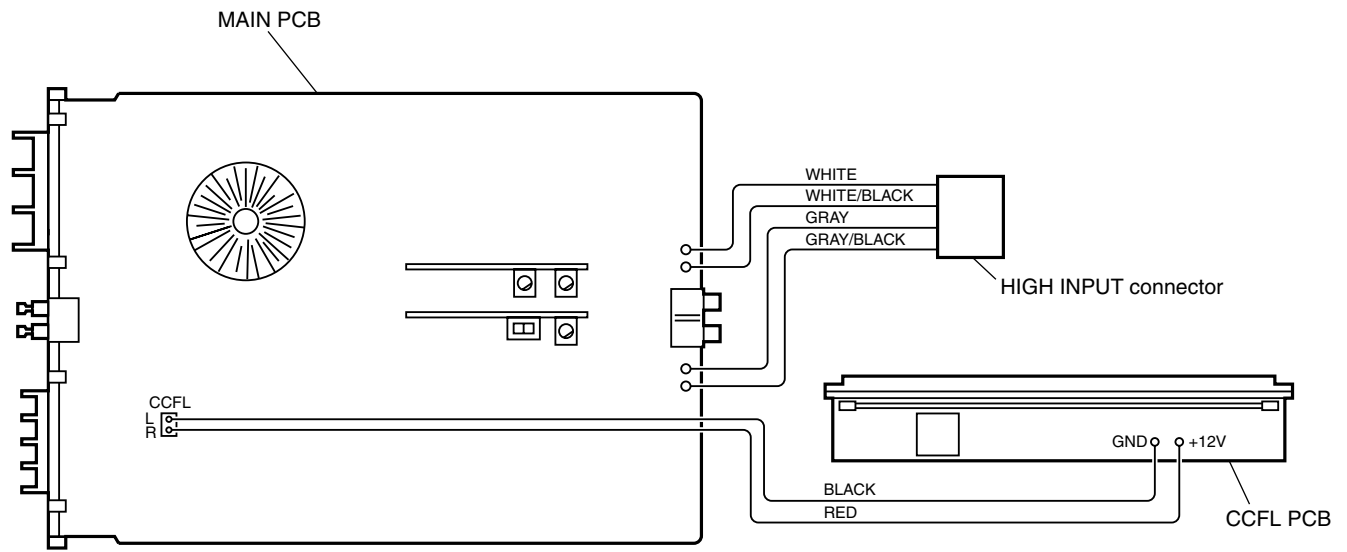
2. Measure the secondary toroidal coil, if the standard frequency value of 24.35 kHz ± 10 Hz is not attained, measure the R760 terminal, then adjust the VR701 so that the R760 terminal becomes 24.25 kHz ± 10Hz.

Note: When measuring, adjust and apply power with no signal or load on each board.

DC/DC CONVERTER SECOND GENERATOR SWITCHING

TEST ITEM	SPECIFICATION	CONDITION	
VOLTAGE TEST	88Vp-p±2.5V	OSCILLOSCOPE VOLT/DIV: 10 TIME/DIV: 10msec VARIABLE: MINIMUM	
FREQUENCY CHECK	24.350KHz±10Hz		

Wire connection diagram



JVC

VICTOR COMPANY OF JAPAN, LIMITED

MOBILE ELECTRONICS DIVISION

PERSONAL & MOBILE NETWORK B.U. 10-1,1Chome,Ohwatari-machi,Maebashi-city,Japan