

# JVC

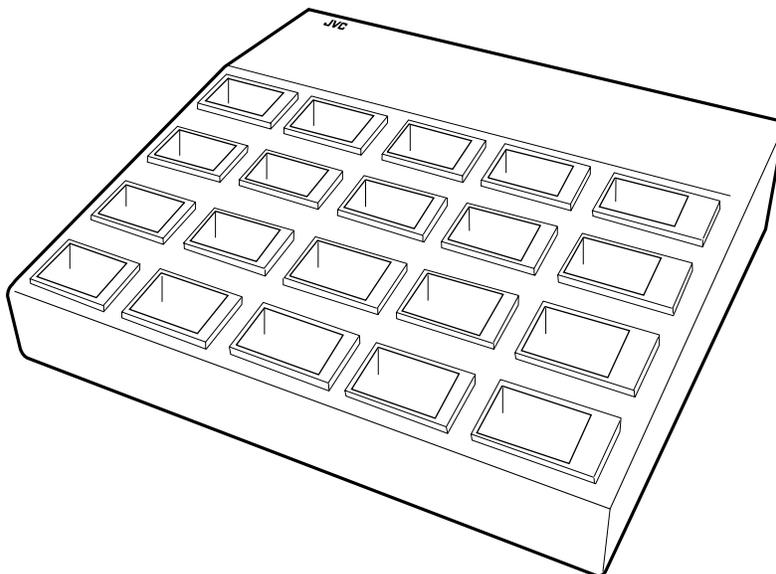
# SERVICE MANUAL

## CHARGER

# XA-GC20BK

**Area Suffix**

E --- Continental Europe



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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.

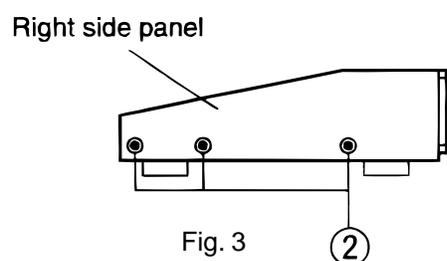
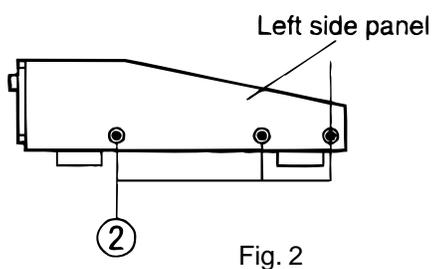
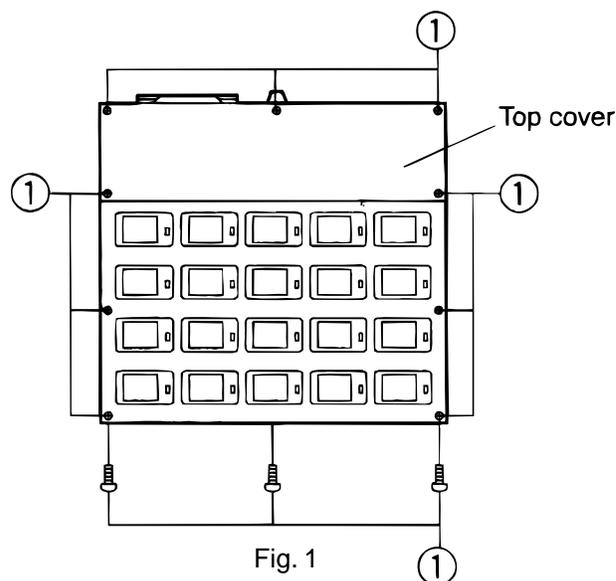
# Disassembly method

## ■ Removal of the top cover

Remove the twelve 1 securing the top cover.

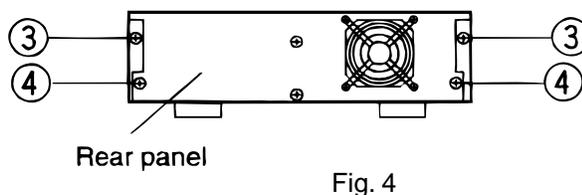
## ■ Removal of the side covers

1. Remove the six screws 2 securing the right and left side cover.
2. Remove the two screws 3 securing the side covers from the rear to detach the side covers.



## ■ Removal of the rear panel

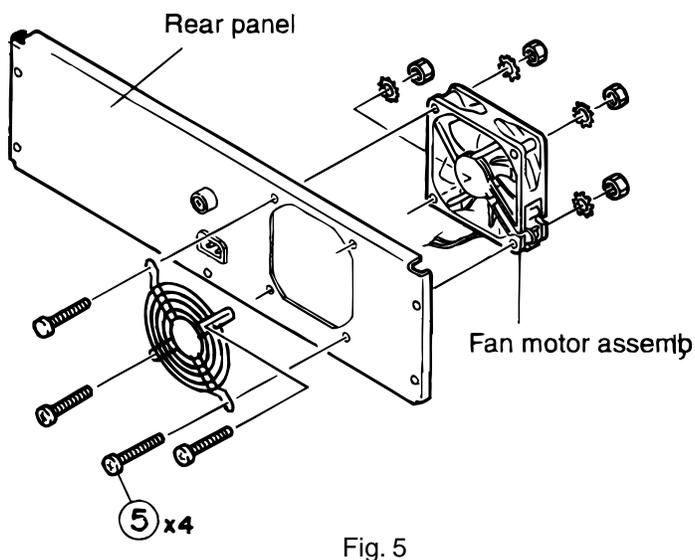
1. Remove the top cover.
2. Remove the side covers.
3. Remove the three screws 4 securing the rear panel from the rear.



## ■ Removal of the fan motor assembly

1. Remove the top panel.
2. Remove the side covers.
3. Remove the rear panel.
4. Remove the four screws 5 securing the fan motor assembly.

Note: When installing the fan motor assembly, set it so that the fan's name plate can be seen from the outside.



**■ Maintenance of the IC protector board**

1. Be sure to check the charge case and IC protector board together following connection.
2. Check the voltage is available, specify the IC protector for replacement.

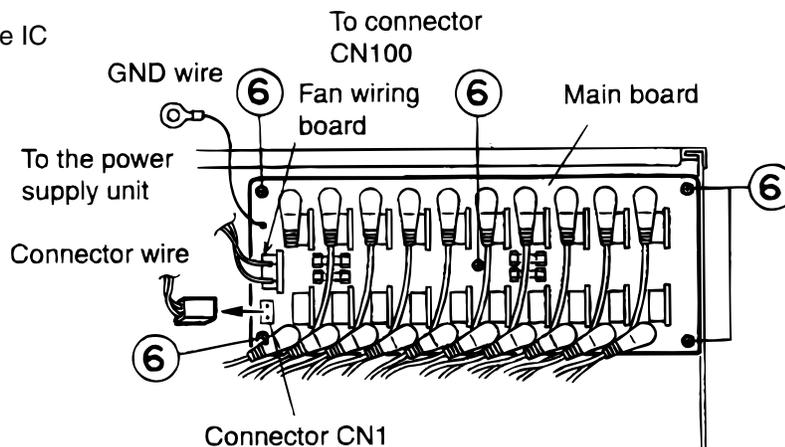


Fig. 6

**■ Removal of the main board**

1. Remove the top cover.
2. remove the five screws 6 securing the main board.
3. Disconnect the connector wire connected to the power supply unit from the connector on the main board (Fig.6).
4. Disconnect the DC plug cord from the connector on the main board (Fig.7).
5. Disconnect the ground wire and the the connector wire from the fan motor if required.
6. take out the main board.

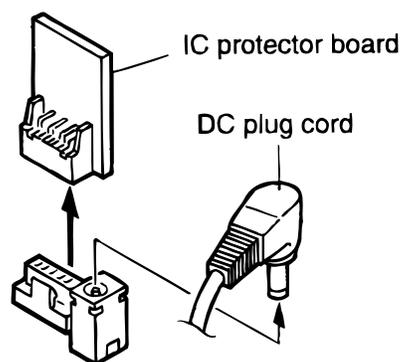


Fig. 7

**■ Removal of the charge case assembly**

1. Remove the top cover.
2. Release the fittings a and b at the two positions securing the charge case assembly and lift up the charge case assembly to remove it. Perform the same procedure for other charge cases in each block.
3. Disconnect the DC plug cord from the charge case assembly.

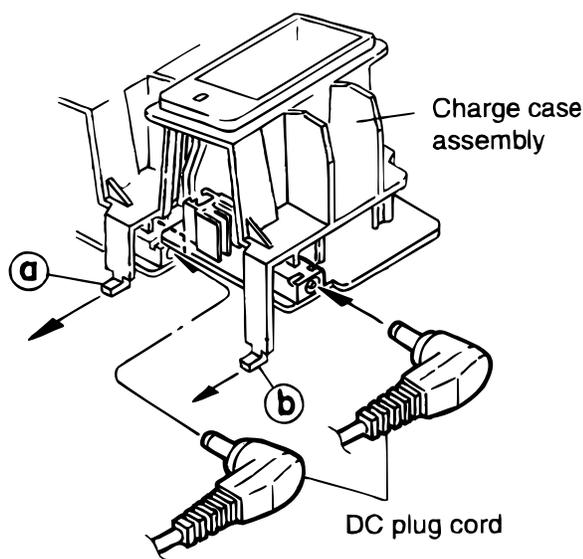


Fig. 8

■ Replacement of the DC plug cord (Figs.8 to 10)

1. Remove the top cover.
2. Remove each charger assembly from the main unit and unplug the DC plug cord from each charge case (Fig.8).
3. Remove the three screws 7 securing the sub chassis (Fig.9).
4. Unplug the DC plug cord from the wire holders at the five positions (Fig.10)

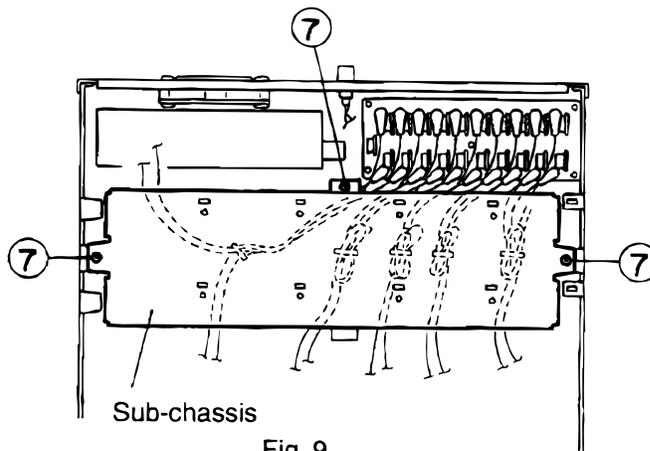


Fig 9

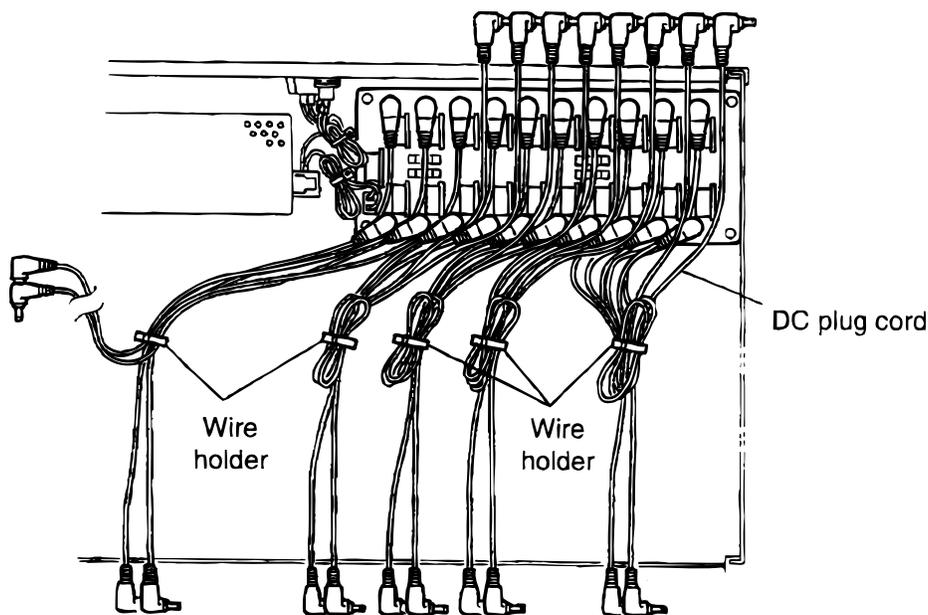


Fig. 10

■ Rewiring of the DC plug cords and installation of the charge cases (Figs.10 and 11)

1. To rewire the DC plug cords, refer to Fig.10.
2. To install the charge case assemblies, starting with the upper right block, set the fittings a and b at the two positions on each charge case assembly (Figs.8 and 11).

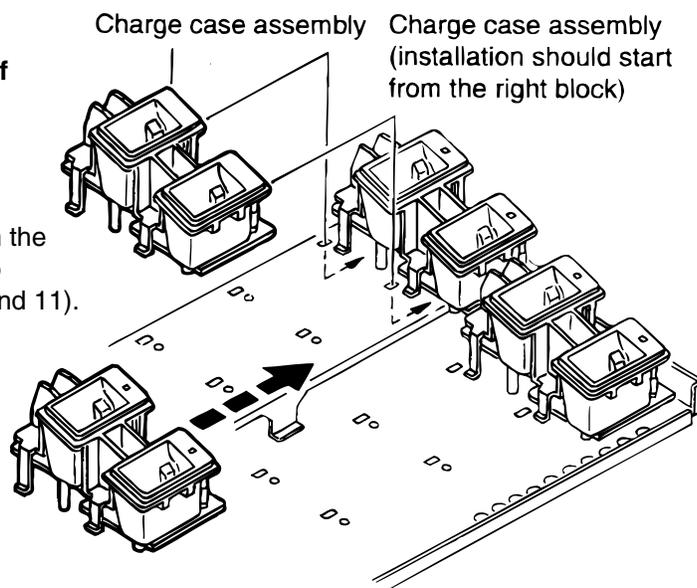
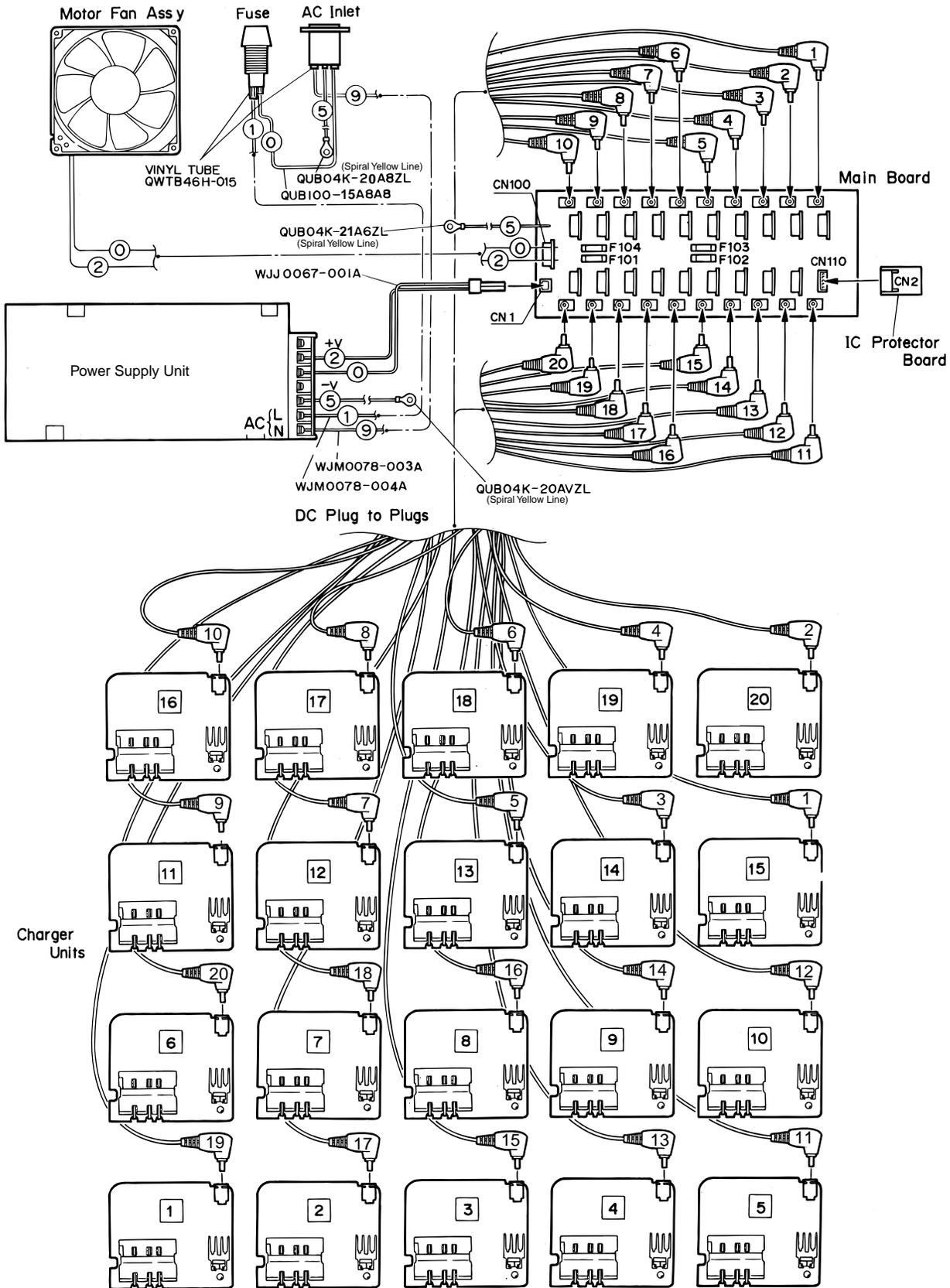


Fig. 11

# Wiring connections



## Adjustment method

### ■ Output voltage adjustment for the power Supply unit

When the power supply unit of the XA-GC20 is replaced, be sure to adjust the output voltage shown below.

Connect AC120V to the "L" and "N" terminals of the power supply unit and connect the digital multi meter (be sure it is in the DC voltage measurement mode).

Adjust the volume control of the power supply unit so that the value between the "+V" and "-V" terminal is  $8.2V \pm 0.1V$  on the digital multi mater.

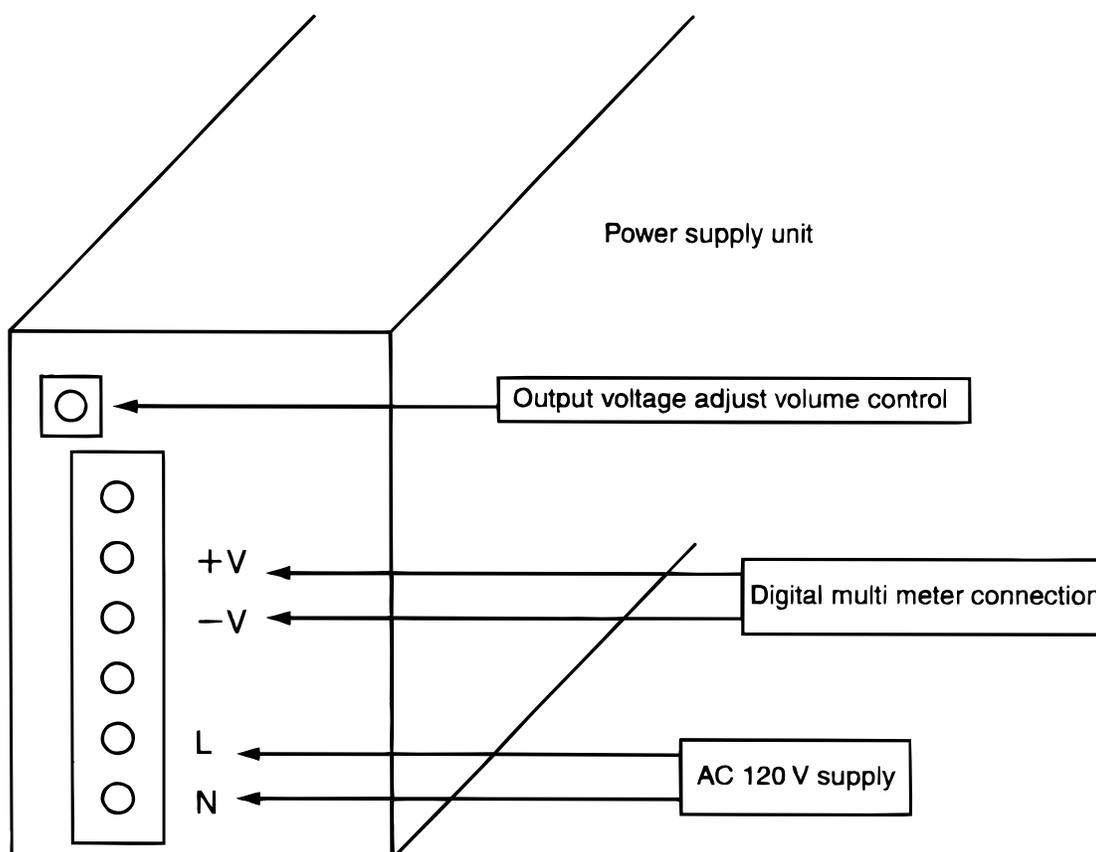


Fig.1



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