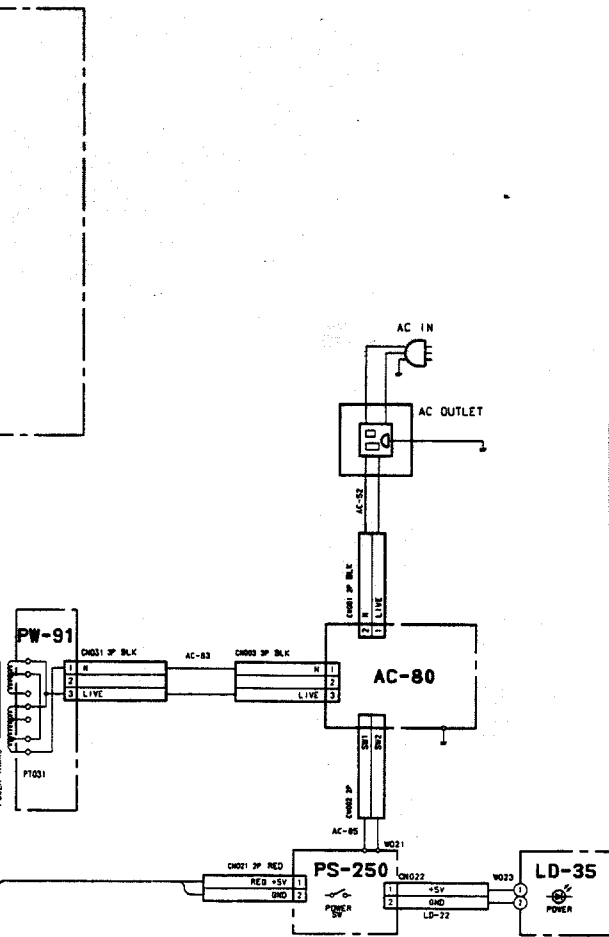



PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAM










**THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.**

(In addition to this, the necessary note is printed in each block.)

● **For printed wiring board**

-  : conductor side.
- Circled numbers refer to waveforms.

● **For schematic diagram**

- All resistors are in ohms and 1/4W or less unless otherwise noted.  
k $\Omega$ : 1000 $\Omega$ , M $\Omega$ : 1000k $\Omega$ .
- All capacitors are in  $\mu$ F unless otherwise noted. pF :  $\mu\mu$ F.  
50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.
- $\Delta$  : internal component.
-  : adjustment for repair.
-  : B + Line
-  : B - Line.
-  : IN/OUT direction of B (+, -) line.
- Circled numbers refer to waveforms.
- Voltages are dc between ground and measurement points.
- Readings are taken with a playback color-bar signal of standard disc.
- Readings are taken with a digital multimeter (DC10M $\Omega$ ).
- Voltage variations may be noted due to normal production tolerances.

**Note:**

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

**CAUTION OF SERVICING**

- Do not make insertion or ejection of the disc with the set as shown in Fig. A. The disc may be damaged.
- When operates with the state as Fig. A.

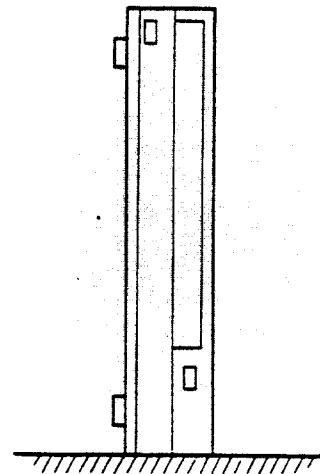
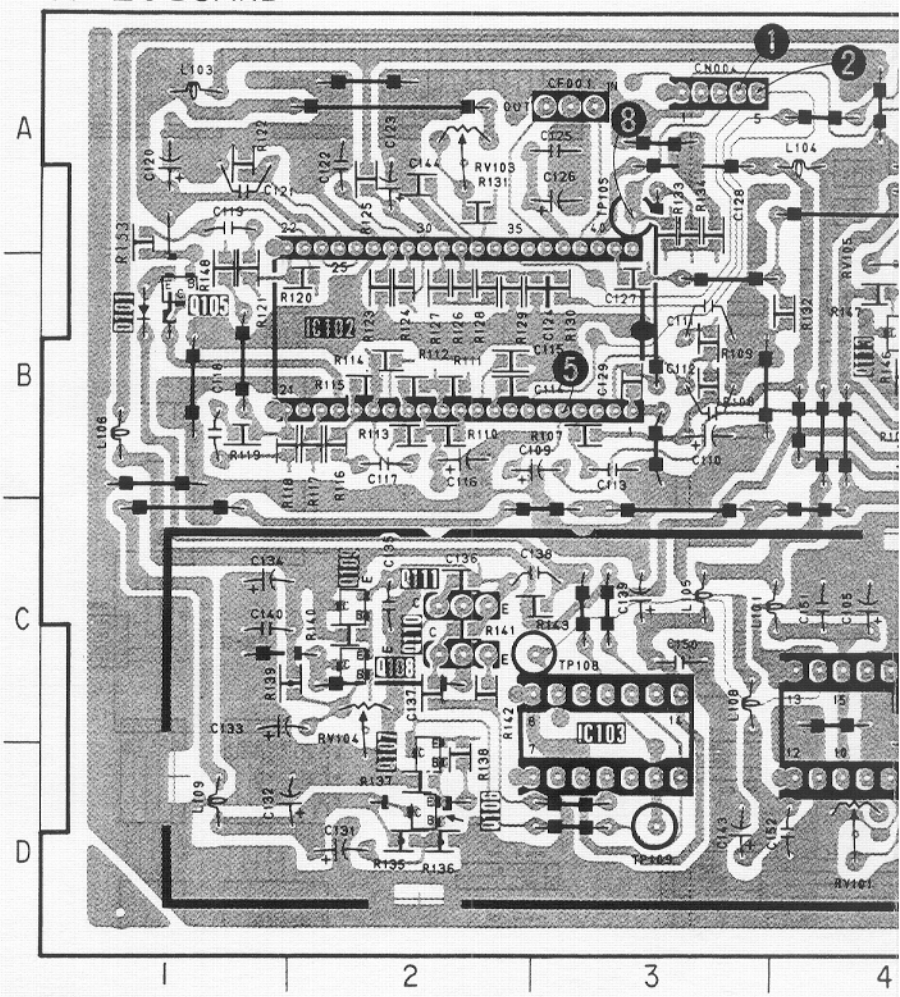


Fig. A.

VP-21 BOARD

D001	C-6
D101	B-1
IC001	C-8
IC002	C-6
IC003	B-6
IC101	C-4
IC102	B-2
IC103	C-3
Q003	A-8
Q005	B-8
Q006	C-7
Q007	B-7
Q008	C-7
Q009	D-7
Q010	D-6
Q011	D-6
Q012	D-5
Q013	B-6
Q014	C-7
Q101	D-5
Q102	B-5
Q103	B-4
Q105	B-1
Q106	D-2
Q107	D-2
Q108	C-2
Q109	C-2
Q110	C-2
Q111	C-2
Q112	B-5
Q113	B-4
Q114	B-5



VP-21 BOARD

