


2.12 REPLACING LCD BACKLIGHT

WARNING

Only those personnel who have received approved safety and maintenance training may perform this replacement work.

When opening the cabinet and replacing a unit, be careful not to touch the high-voltage circuits (marked  and fitted with an insulating cover).

Touching the uncovered high-voltage circuits presents an extremely dangerous electric shock hazard.

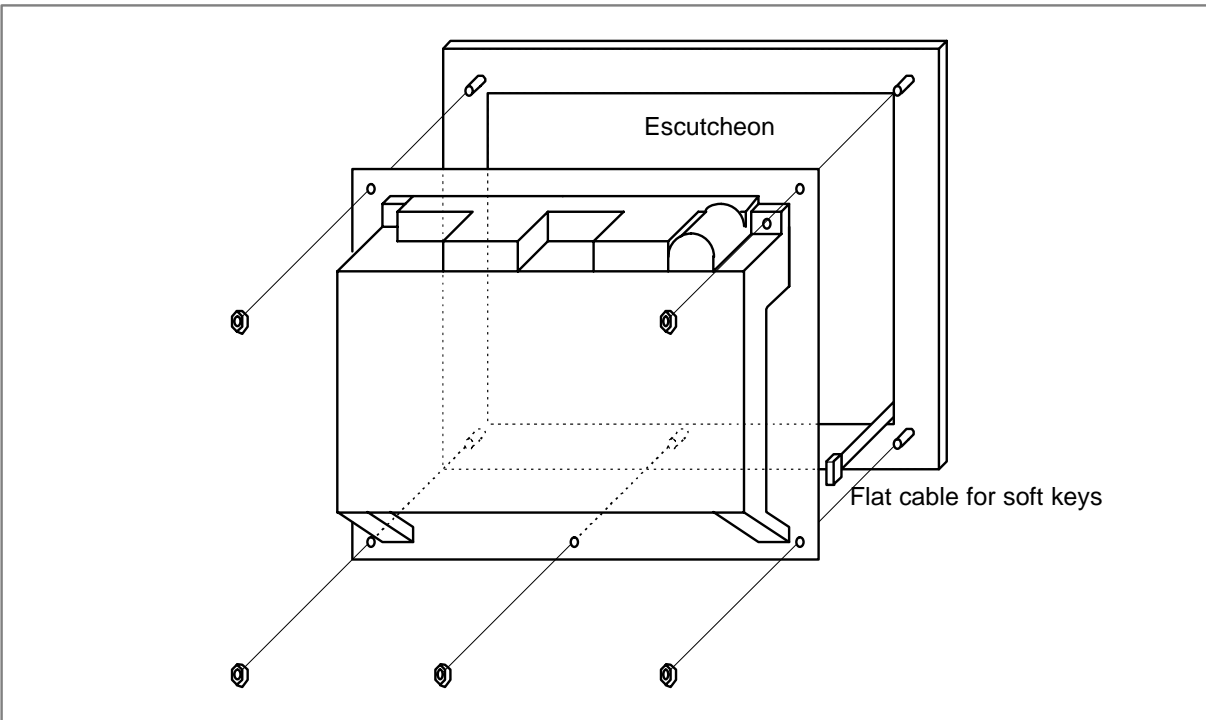
CAUTION

Before starting replacement work, back up the contents (such as parameters and programs) of the SRAM memory of the CNC. Otherwise, the contents of the SRAM memory may be lost during replacement work.

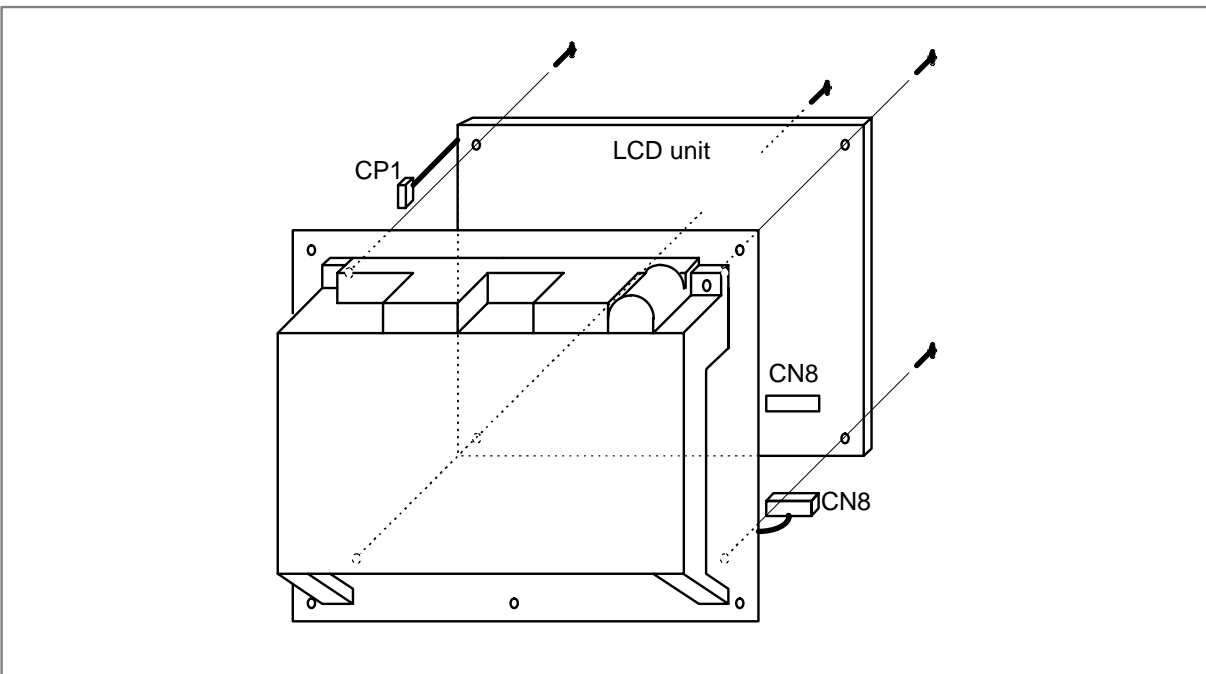
- Backlight ordering information

Backlight		Ordering information	Individual ordering information
For 7.2" LCD	Made by Hitachi	A02B-0236-K112	A61L-0001-0142#BL
For 7.2" LCD	Made by Sharp		A61L-0001-0142#BLS
For 8.4" LCD		A02B-0236-K113	A61L-0001-0162#BL
For high-intensity 8.4" LCD (for FS20i)		A02B-0236-K119	A61L-0001-0176#BL
For 9.5" LCD		A02B-0236-K114	A61L-0001-0154#BL
For 10.4" LCD (old type)		A02B-0236-K115	A61L-0001-0163#BL
For high-intensity 10.4" LCD		A02B-0236-K116	A61L-0001-0168#BL
For 12.1" LCD		A02B-0236-K117	A61L-0001-0174#BL

- **Replacement procedure**
- 1) Detach the escutcheon from the CNC.

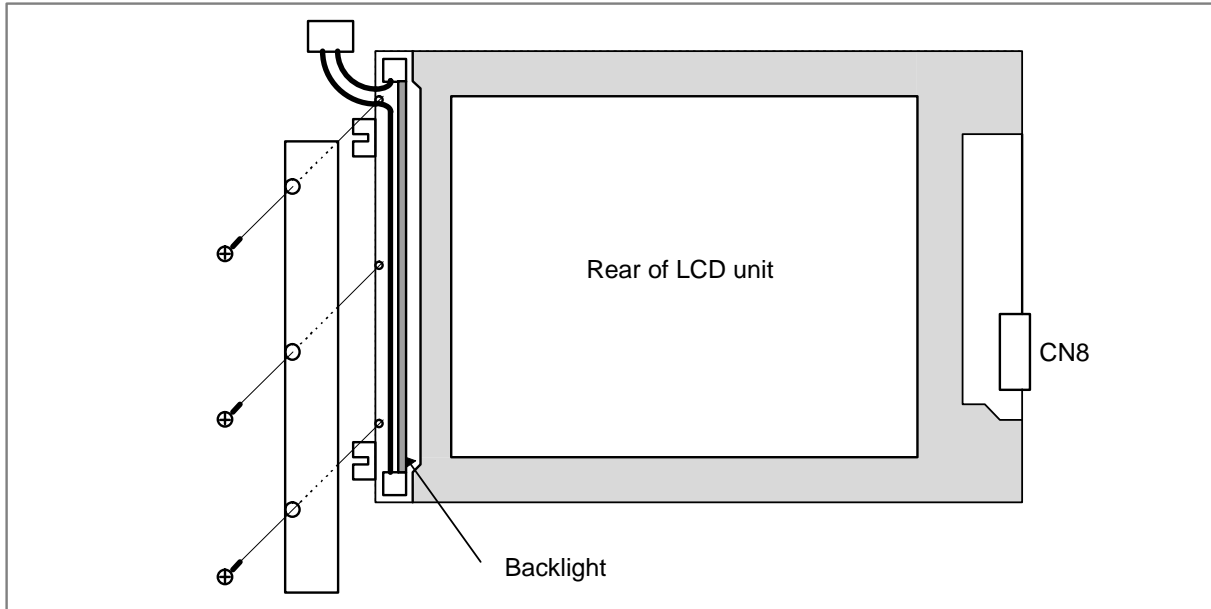


- 2) As shown below, unplug the connectors CP1 and CN8 to detach the LCD unit from the CNC unit. (For the 12.1" LCD, remove also CP31.)



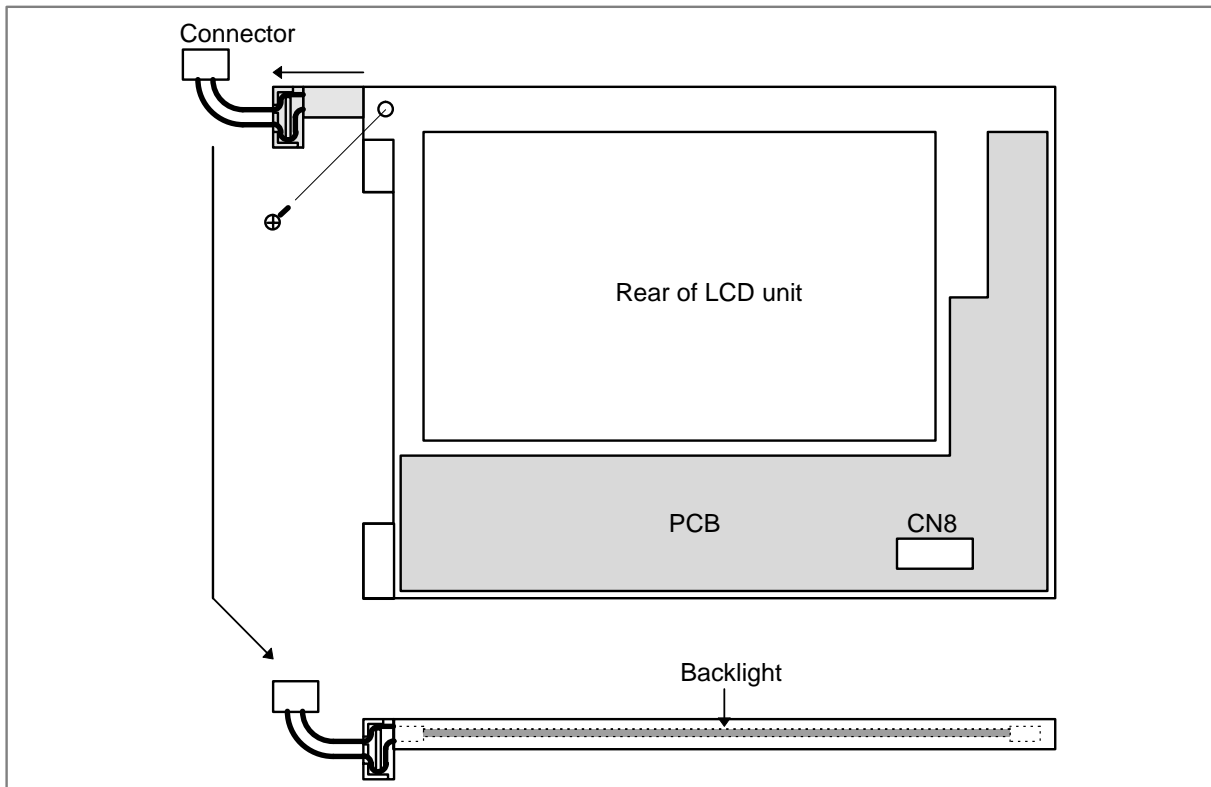
3)-1 For the 8.4" LCD unit (color)

Remove the three screws from the left part on the rear of the LCD unit, and remove the cover. Then, the backlight is exposed. Replace the backlight with a new one.



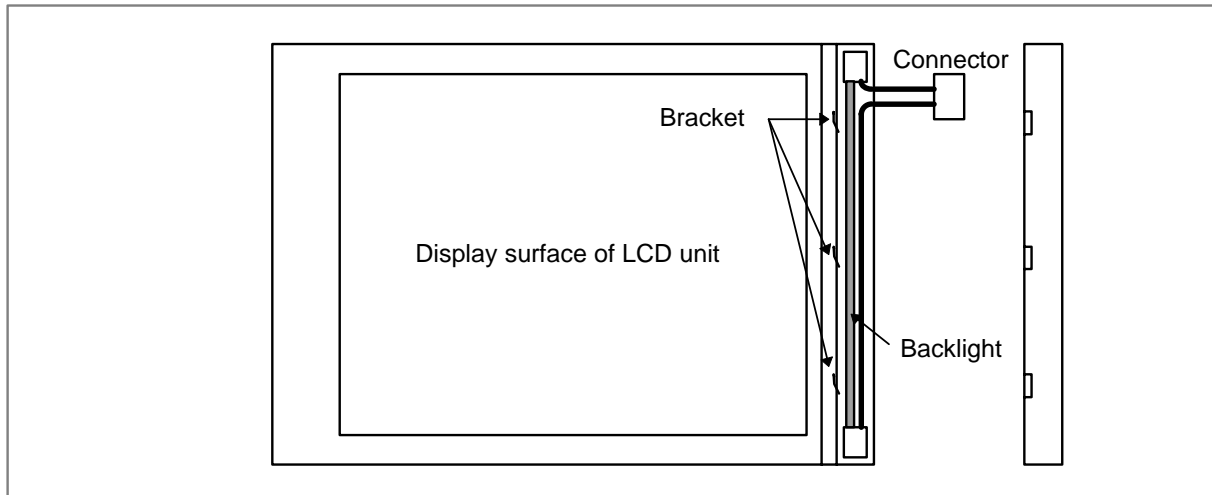
3)-2 For the 10.4" LCD unit (color) (old type)

As shown below, remove the screw, and pull out the case containing the backlight. Replace the backlight with a new one.



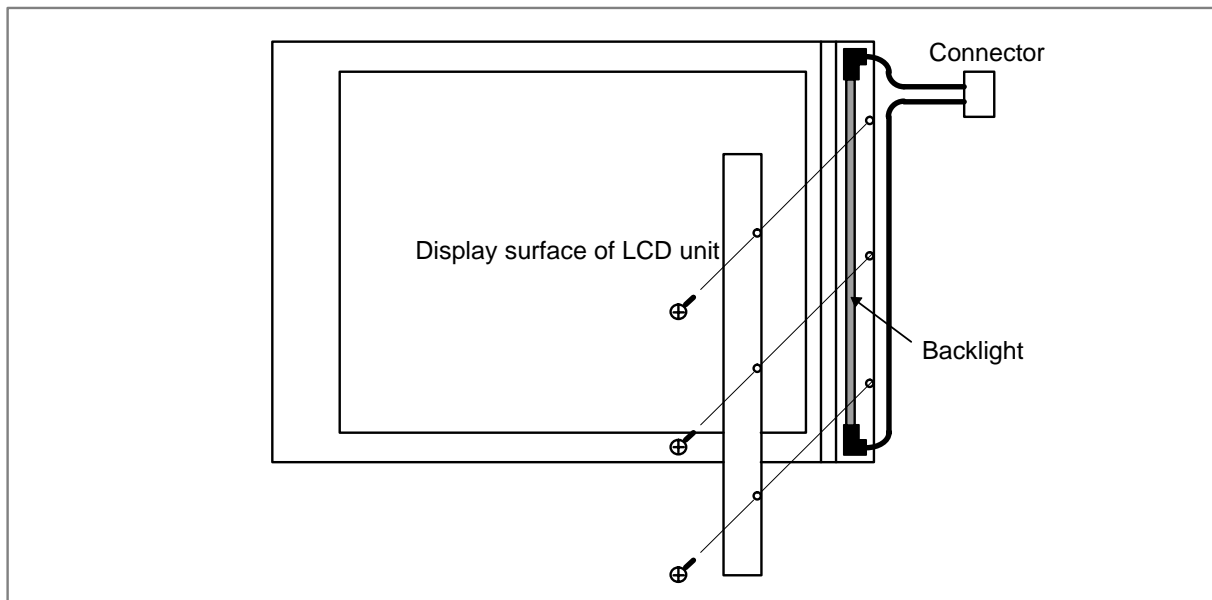
3)-3 For the 7.2" and 9.5" LCD units (monochrome) manufactured by Hitachi

Remove the three brackets from the left part on the front of the LCD unit, and remove the cover. Then, the backlight is exposed. Replace the backlight with a new one.



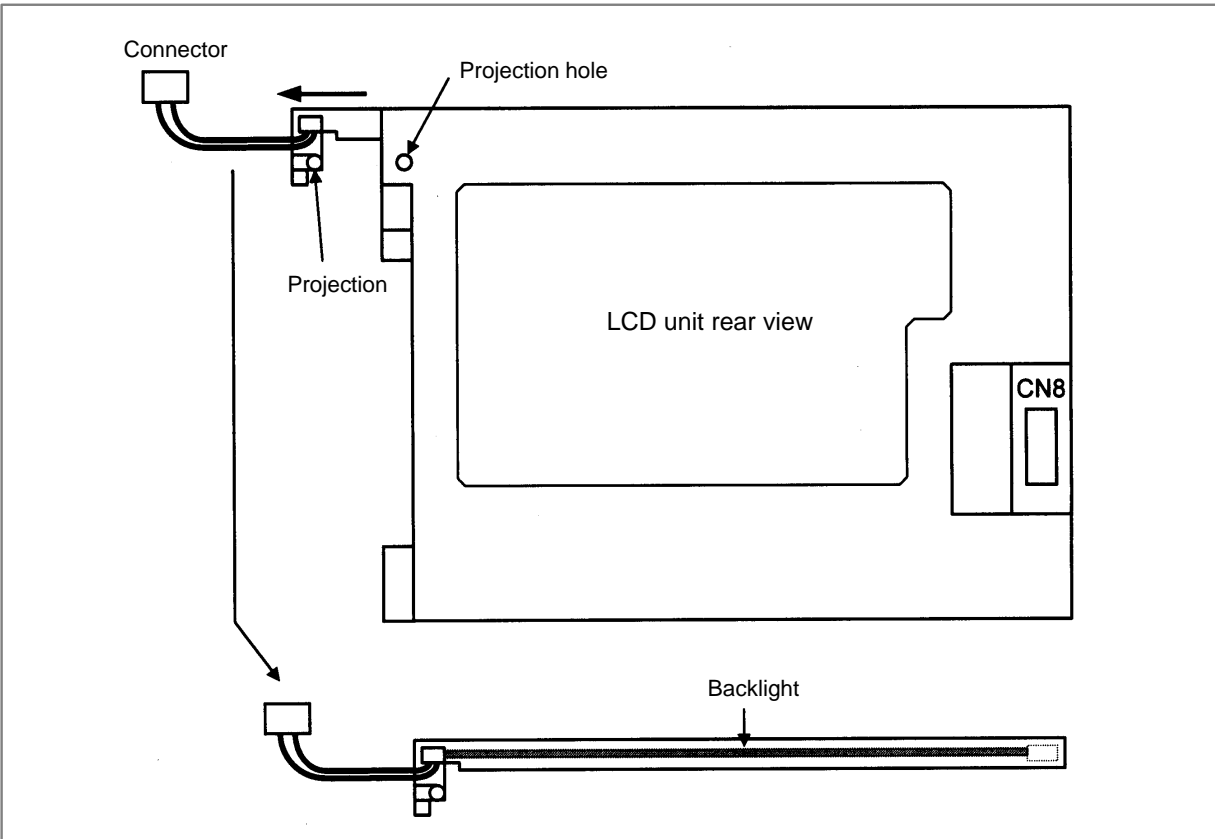
3)-4 For the 7.2" LCD unit (monochrome) manufactured by Sharp

Remove the three screws from the left part on the front of the LCD unit, and remove the cover. Then, the backlight is exposed. Replace the backlight with a new one.



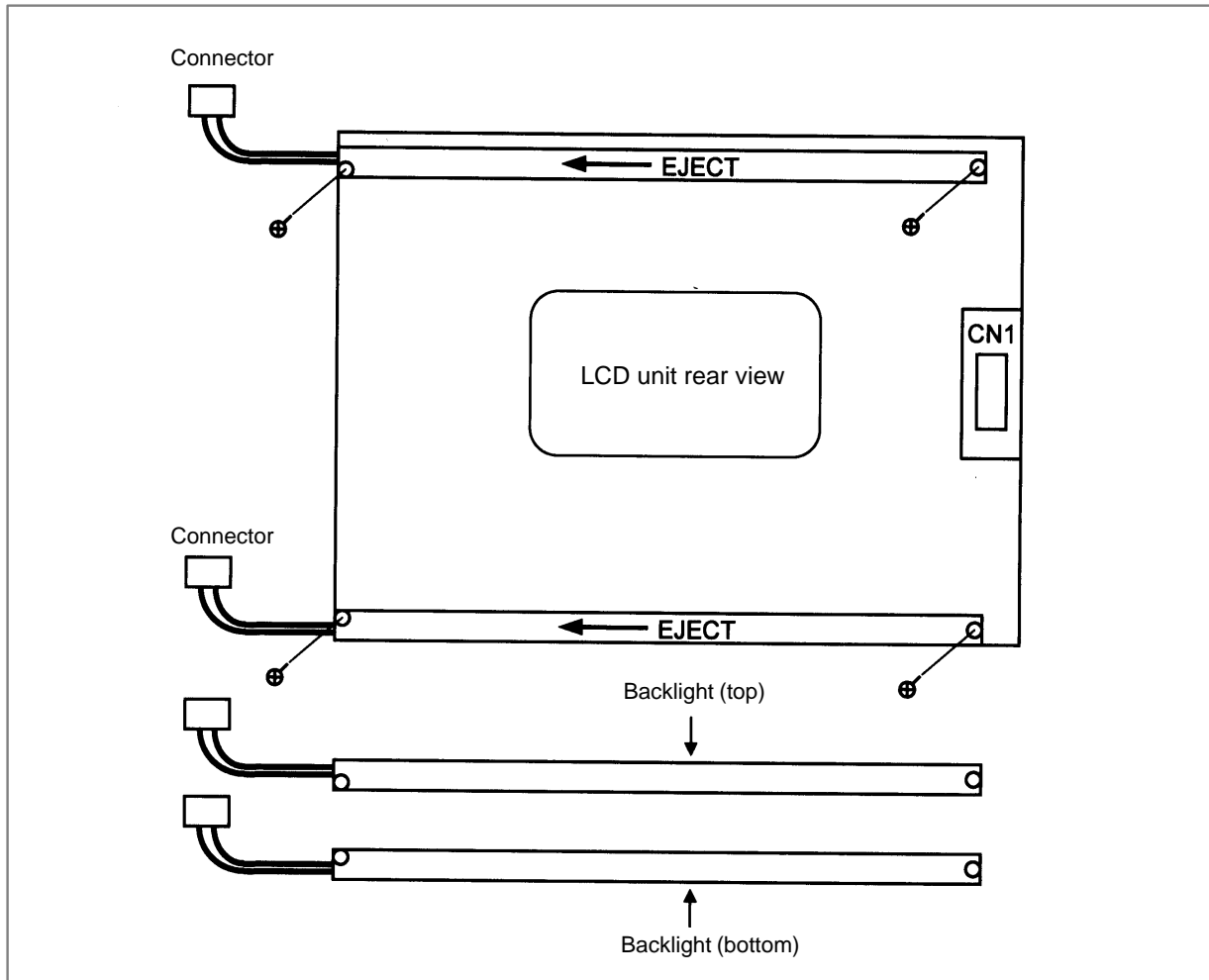
3)-5 For the high-intensity 10.4" LCD (color)

As shown below, press the projection to unlatch the backlight case, and pull out the backlight case, then replace the backlight.



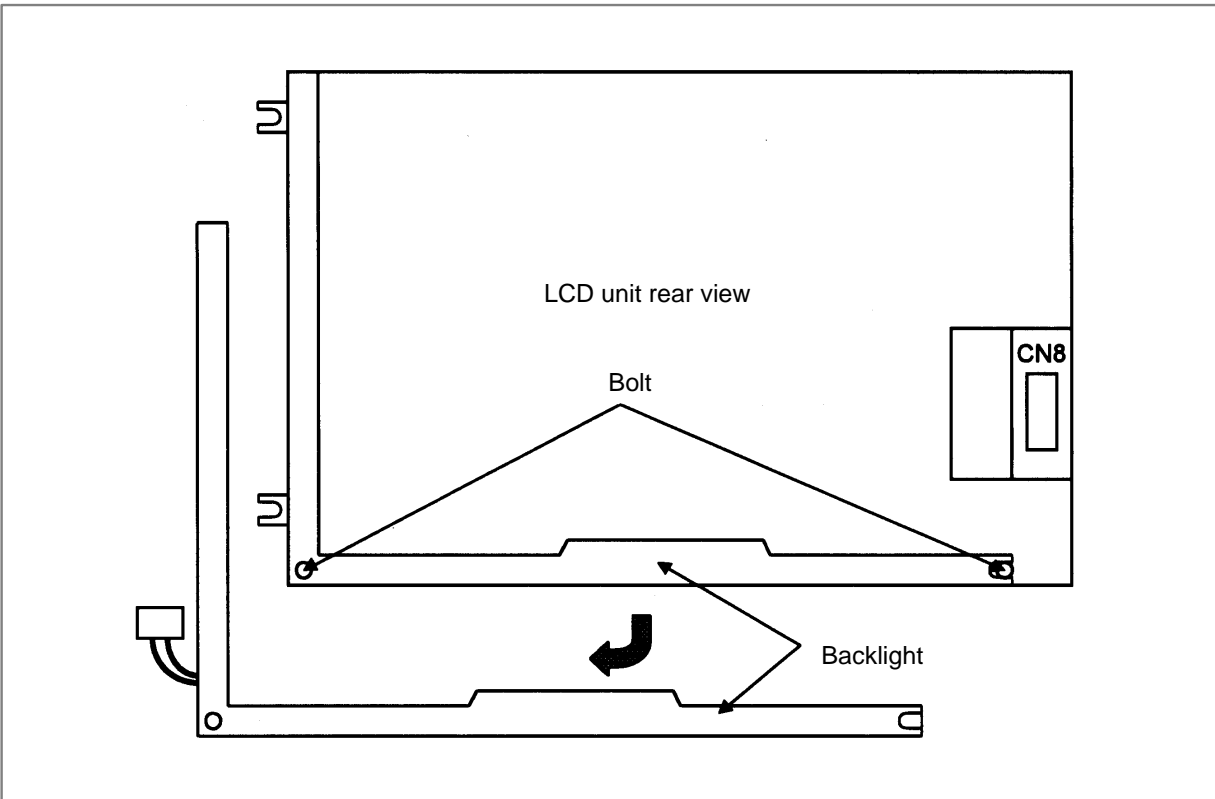
3)-6 For the 12.1" LCD (color)

Two backlights are provided on the rear of the LCD unit, the first at the top and the second at the bottom. To dismount the backlights, remove two bolts from each backlight and slide it to the left.



3)-7 For the high-intensity 8.4" LCD (color)

As shown below, remove two bolts, remove the backlight case by pulling it down and sliding it slightly to the left, then replace the backlight.



4) Upon completion of replacement, reassemble the unit by reversing the steps 1 through 3 above.