





## 4.10 Capping Position Adjustment

This section describes the procedure to adjust the position of print head and cap assembly.

Always adjust capping position after replacing the following parts:

- Print head
  - Cap assembly
  - Maintenance assembly
1. Remove I/H Cover.  
 ["3.2.1 Removing I/H Cover" p.3-7](#)
  1. Remove Side Cover R.  
 ["3.2.2 Remove Side Cover R" p.3-8](#)
  2. Release carriage lock and bring out carriage on platen.  
 ["3.7.1 How To Release Carriage Lock" p.3-98](#)
  3. Start up from self-diagnosis mode and display "Check: Adjustment" - "Adj: CR Return" - "CR Return: Check".  
 ["5.7.2 CR Return Position adjustment" p.5-32](#)
  4. Place your fingers lightly on the place shown with the blue arrow in the next figure.



### CAUTION

Be careful of the following when operating:

- Do not place your hand on the cap slider so as not to nip your hand with carriage.
- Hold cap slider as if wrapping it with your hand from the bottom.



### NOTE

- Accurate adjustment is required for capping adjustment. Do not wear gloves during this operation.
- Place your fingers lightly so as not to press the parts with your fingers.

5. Press "Enter" from "CR Return: Check."

### NOTE

Be careful of the following when operating:

- If it feels like your fingers have touched the slider when the right side of print head touches cap slider, proceed to the step **"(1) If it feels like your fingers have touched slider:" p.4-19**
- If it does not feel like your fingers have touched the slider when the right side of print head touches cap slider, proceed to the step **"(2) If it does not feel like your fingers have touched slider." p.4-19**

**(1) If it feels like your fingers have touched slider:**

CR return position should be finalized at 0.1mm lower than the parameter point where the print head has the first contact with the cap slider. Adjust the position as follows.

1. Adjust the parameters -0.1mm from "Check: Adjustment" - "Adj: CR Return" - "CR Return: Input" of self-diagnosis mode.
2. Press "Enter" from "Check: Adjustment" - "Adj: CR Return" - "CR Return: Check" of self-diagnosis mode.
3. Check if it feels like your fingers have touched slider when the right side of the print head touches the cap slider. If it does not feel like they have touched it, adjustment is complete.

**NOTE**

If it still feels like your fingers have touched cap slider, repeat the steps 1 to 3 until your fingers do not touch it.

**(2) If it does not feel like your fingers have touched slider.**

CR return position should be finalized at 0.1mm lower than the parameter point where the print head has the first contact with the cap slider. Adjust the position as follows.

1. Adjust the parameters +0.1mm from "Check: Adjustment" - "Adj: CR Return" - "CR Return: Input" of self-diagnosis mode.
2. Press "Enter" from "Check: Adjustment" - "Adj: CR Return" - "CR Return: Check" of self-diagnosis mode.
3. Check if it feels like your fingers have touched slider when the right side of print head touches cap slider. If it feels like they have touched it, proceed to the step 11.

**NOTE**

If it still does not feel like your fingers have touched the cap slider, repeat the steps 1 to 3 until your fingers touch it.

4. Adjust parameters -0.1mm from "Check: Adjustment" - "Adj: CR Return" - "CR Return: Input" of self-diagnosis mode

**NOTE**

CR return position should eventually be set to 0.1mm lower from the position with the parameters of the first contact of print head and cap slider.