

### 4.4.6.3 Printhead

#### PREPARATION FOR THE REPLACEMENT

1. Turn the printer ON in the Serviceman Mode.  
Turn the power ON while pressing [Menu ▶], [PaperFeed ▼], and [OK].
2. Select **SELF TESTING** → **Maintenance** → **Head Exchange**.
3. Press the [OK] button.  
The Carriage Unit moves to the replacement position.
4. Turn the printer OFF when **[Press] Power Button** is displayed.

#### DISASSEMBLING PROCEDURE

**NOTE:** In Epson Stylus Pro 7700/7710/7700M/7710M/7900/7910's case, the Printhead can be removed by starting from Step 13.

1. Remove the Control Panel. (p193)
2. Remove the IC Cover (L/R) and the IC Shaft Cover (L/R). (p196)
3. Remove the Maintenance Tank (L/R). (p198)

**NOTE:** There is no Maintenance Tank (L) mounted for the Epson Stylus Pro 7700/7710/7700M/7710M/7900/7910/WT7900/WT7910.

4. Remove the Right Cover. (p199)
5. Remove the Left Cover. (p199)
6. Remove the Top Cover. (p204)
7. Unlock the Carriage Unit and move it to the left end. (p191)
8. Disengage the four hooks on the bottom, and remove the CR Belt Cover.
9. Disconnect the connectors (CN116, CN118) and FFCs (CN100, CN101, CN104, CN105, CN106) on the Sub Board Assy.

**NOTE:** CN116 and CN118 are only for Epson Stylus Pro 7900/7910/9900/9910/WT7900/WT7910.

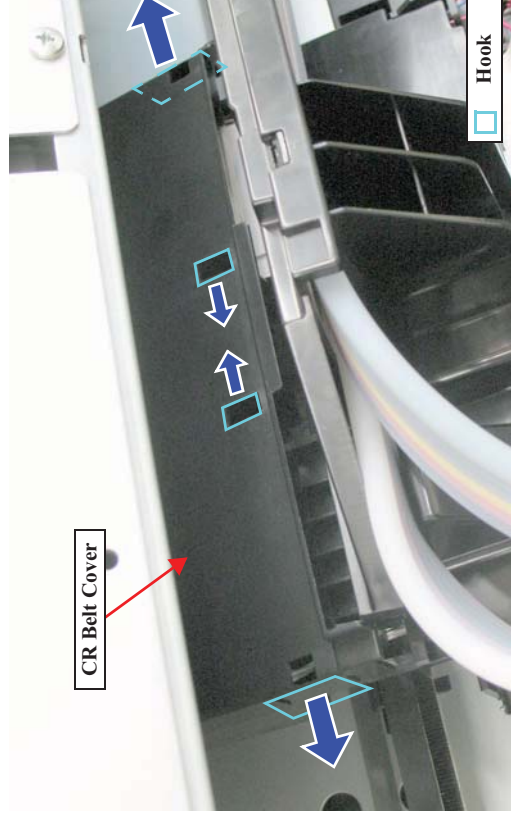


Figure 4-113. Removing the CR Belt Cover

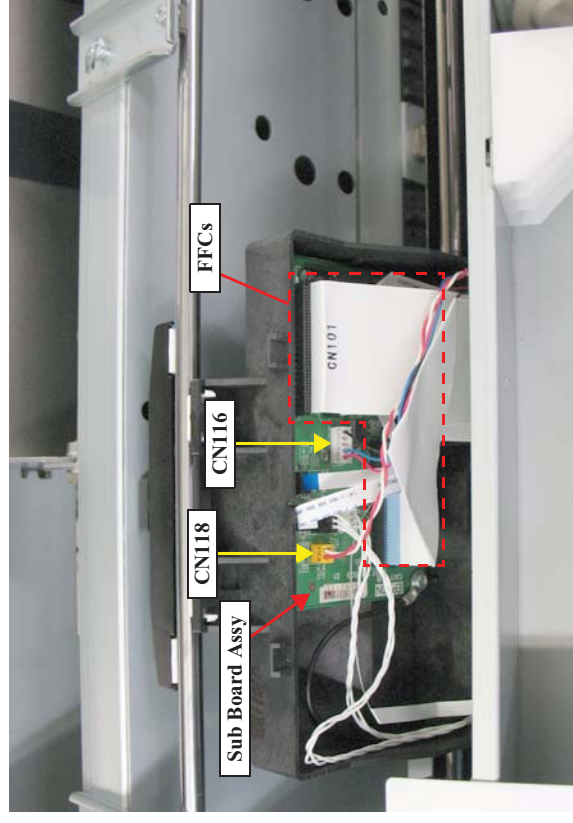


Figure 4-114. Disconnecting the connectors

10. Remove the three screws that secure the Ink Tube Holder.
- A) Silver, Phillips, Bind P-tite with S.W & P.W. M3x8; three pieces
11. Disengage the two hooks that secure the Ink Tube Holder, and remove the Ink Tube Holder.
12. Release the harness from the cable guides.

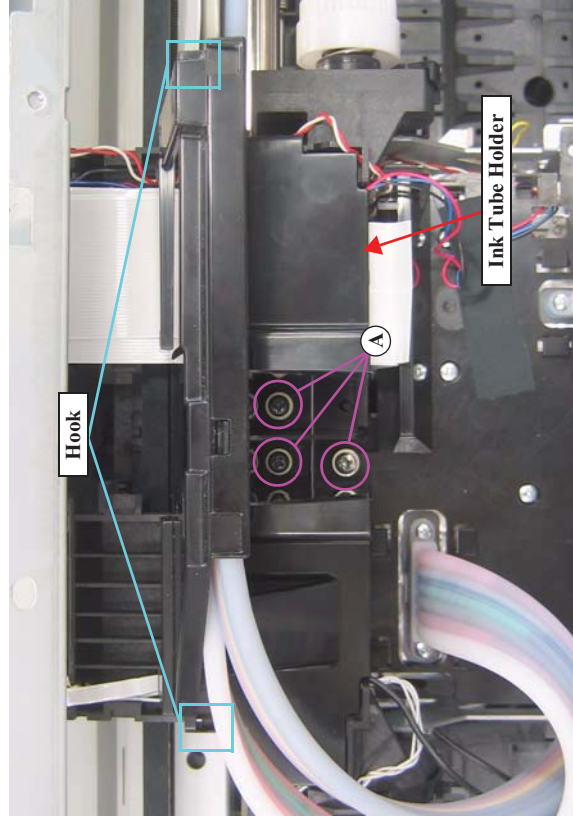


Figure 4-115. Removing the Ink Tube Holder

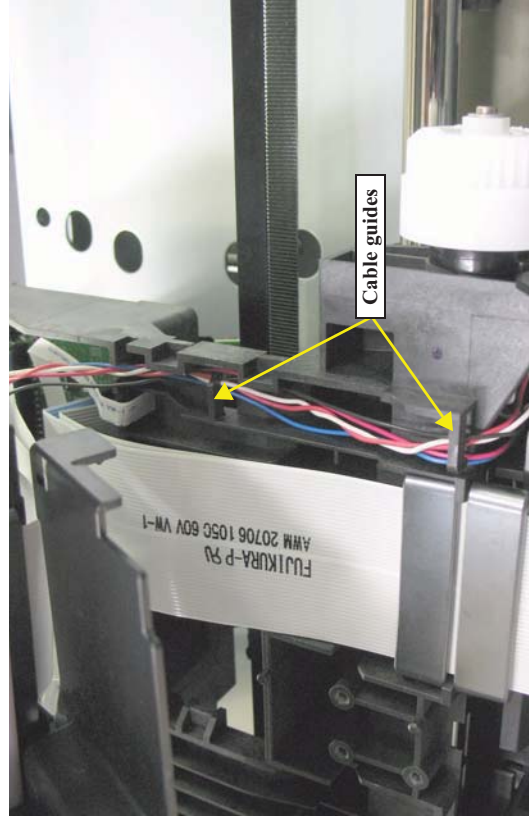


Figure 4-116. Releasing the Harness

In [Figure 4-117](#) and [Figure 4-119](#), the Ink Tubes are disconnected to indicate the screw locations easily. In actual operation; however, there is no need to disconnect them.



13. Remove the screws that secure the Ink Selector.

**NOTE:** The number of screws differs between Epson Stylus Pro 7900/7910/9900/9910/WT7900/WT7910 and Epson Stylus Pro 7700/7710/7700M/7710M/9700/9710.

- |    |   |
|----|---|
| B) | Silver, Phillips, Bind S-tite M3x8:                             |
|    | Epson Stylus Pro 7900/7910/9900/9910/WT7900/WT7910: two pieces  |
|    | Epson Stylus Pro 7700/7710/7700M/7710M/9700/9710: two pieces    |
| C) | Silver, Phillips, Pan screw with S.W & P.W. M3x8:               |
|    | Epson Stylus Pro 7900/7910/9900/9910/WT7900/WT7910: five pieces |
|    | Epson Stylus Pro 7700/7710/7700M/7710M/9700/9710: two pieces    |
| D) | Black, Phillips, Bind S-tite M3x12:                             |
|    | Epson Stylus Pro 7900/7910/9900/9910/WT7900/WT7910: one piece   |
|    | Epson Stylus Pro 7700/7710/7700M/7710M/9700/9710: one piece     |

14. Remove the Ink Selector.

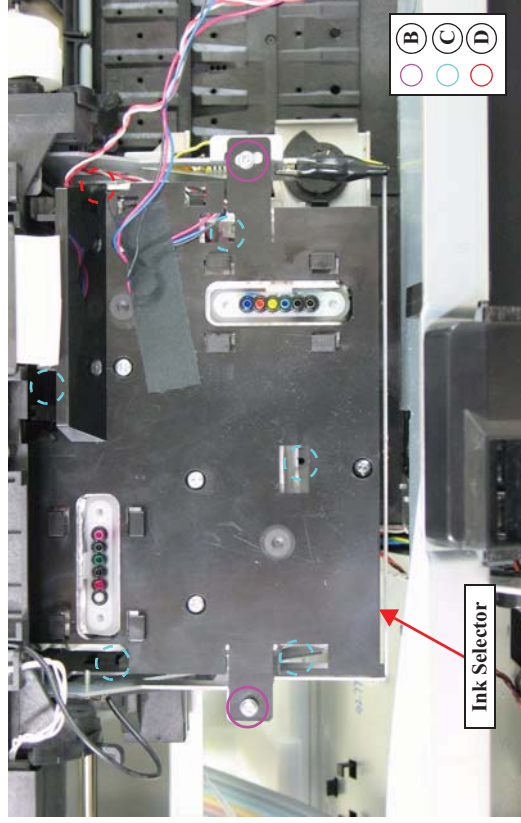


Figure 4-117. Ink Selector fixing screws (Epson Stylus Pro 7900/7910/9900/9910)

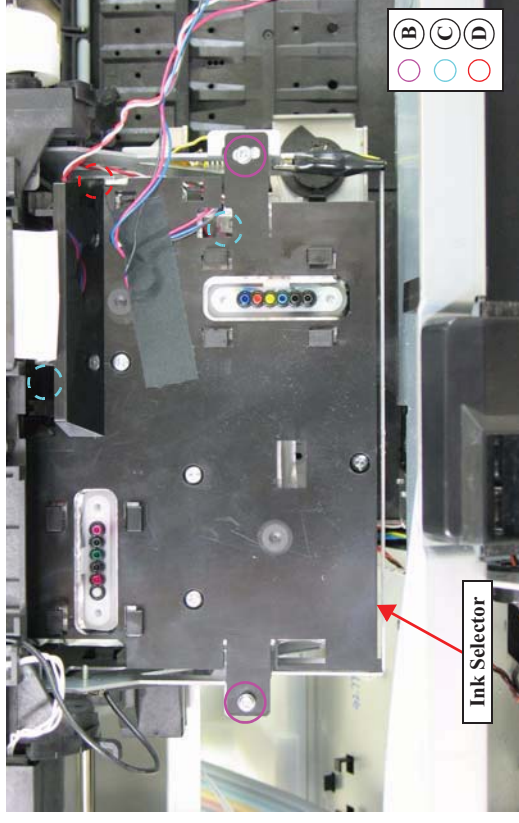


Figure 4-118. Ink Selector fixing screws (Epson Stylus Pro 7700/7710/9700/9710)

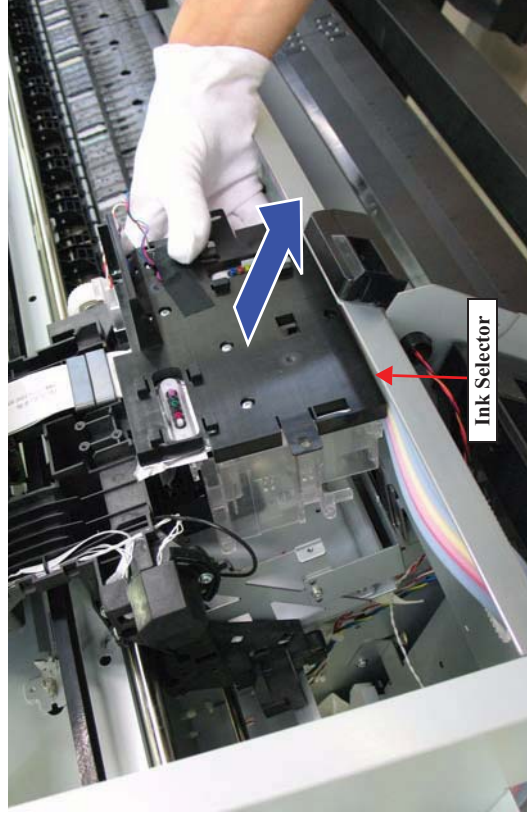


Figure 4-119. Removing the Ink Selector

15. Attach the hook on the rear of the Ink Selector onto the Main Frame to secure the Ink Selector. See *Figure 4-120*.



After secure the Ink Selector, make sure to place a sheet of paper below it to catch the spilling remaining ink.

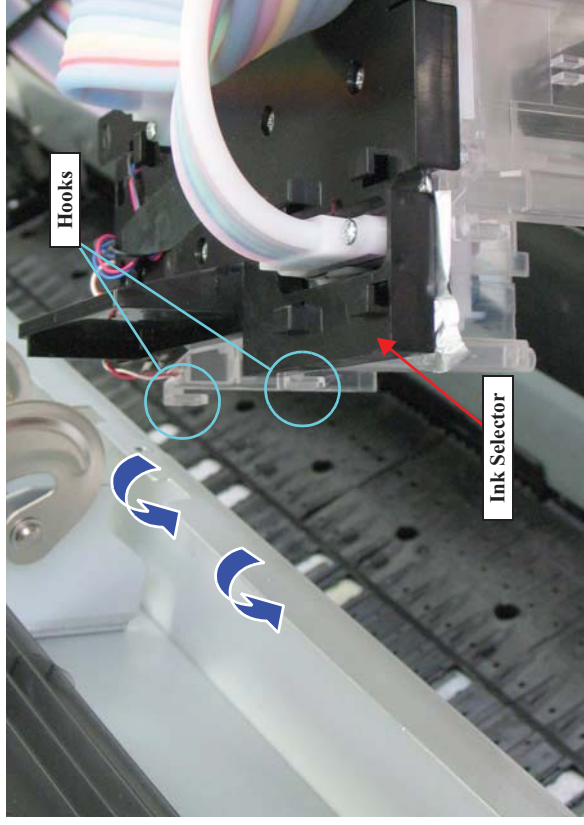


Figure 4-120. Securing the Ink Selector to the main body (1)



Figure 4-121. Securing the Ink Selector to the main body (2)

16. Disconnect four FFCs from the Printhead. See *Figure 4-122*.



In the next step, to make it easier to remove the screw of the Printhead it is recommended to use the long shaft screwdriver.

17. Remove the three screws that secure the Printhead, and remove the Printhead. See *Figure 4-122*.

E) Silver, Phillips, Bind machine screw M2x6 (bit: No.1): three pieces



Be sure to refer to Chapter 5 “Adjustment” (see *p335*) and perform specified adjustments after replacing or removing the Printhead.

<Adjustment Item>

1. Counter Clear (Printhead)
2. Head Cleaning
3. Head Rank ID
4. Nozzle Check
5. AID Function Check
6. Head PG Adjustment
7. Printhead Slant Adjustment (CR)
8. Printhead Slant Adjustment (PF)
9. Auto Uni-D Adjustment
10. Auto Bi-D Adjustment
11. Colorimetric Calibration (Color ID)
12. Print Image

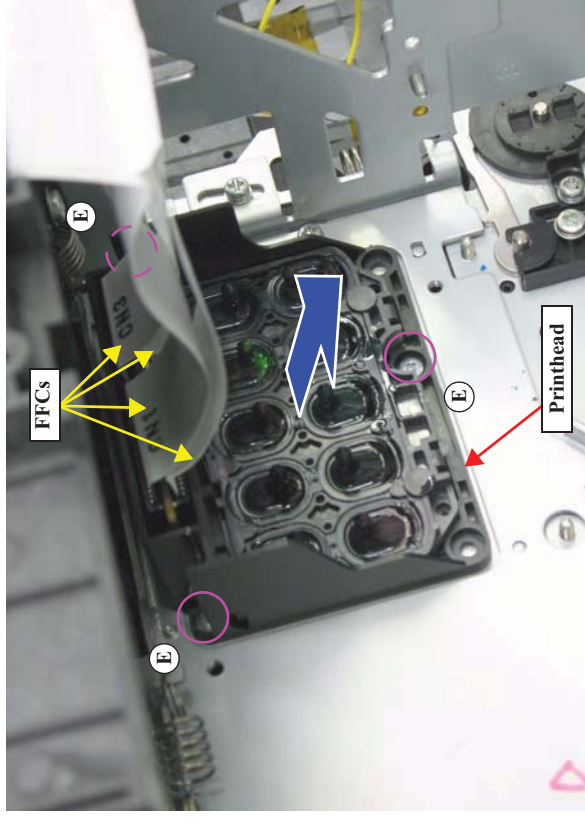


Figure 4-122. Removing the Printhead