

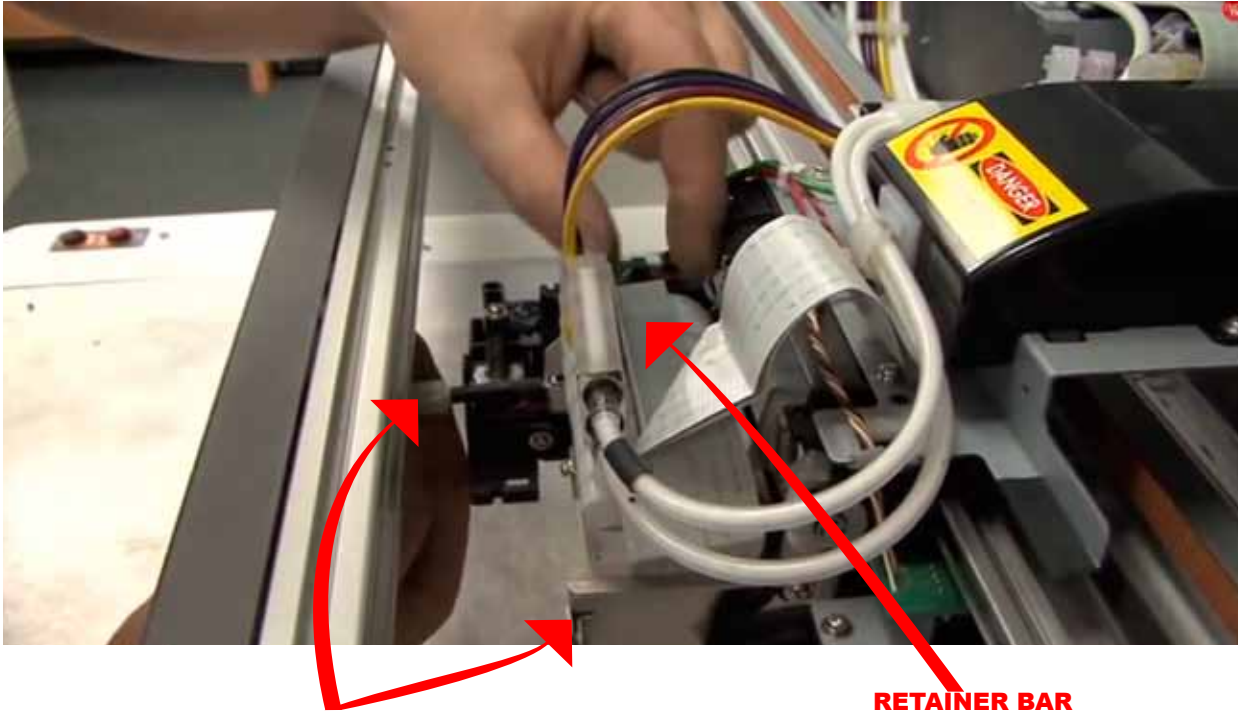
(Always **POWER DOWN** printer and **UNPLUG** before doing any repair work)

M2 (PRINTHEAD CABLE REPLACEMENT)

PRINTHEAD CABLE REPLACEMENT:

1. Release carriage from capping station and roll out to middle of printer. *(Indicated below 1-A)*
Place rag under the area you are working on. Just to catch any ink that might be dropped during the install.
2. Release pressure off of the CMYK lines by loosening the caps on the ink bottles.
(Indicated on pg.2 Fig. 1-C)
3. Unscrew two thumbscrews from carriage *(Indicated below 1-A)*

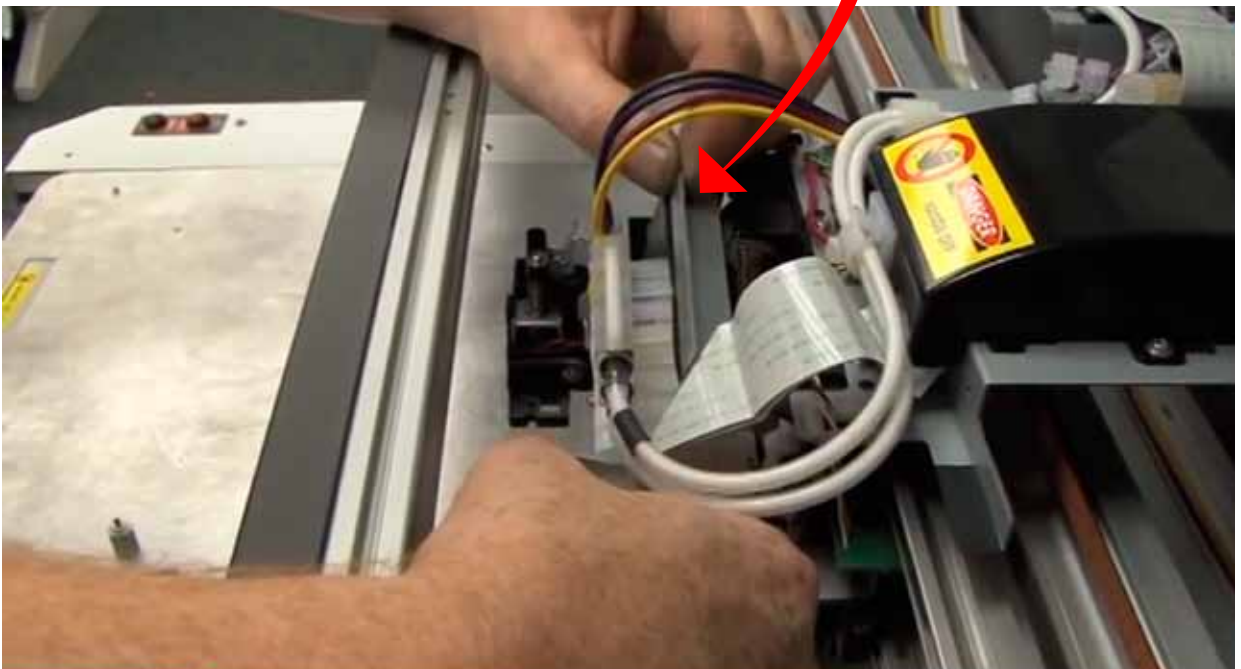
Fig 1-A



Two "thumbscrews" that hold the "RETAINER BAR" to the carriage.
Remove those screws in order to remove retaining bar.

Fig 1-B

Carefully slide "RETAINER BAR" out



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M2 (PRINTHEAD CABLE REPLACEMENT)

- Carefully slide the "RETAINER BAR" out *(indicated previous page 1-B)*
- Insure that the CMYK ink bottles have no pressure by loosening the bottle caps *(Indicated below 1-C)*

Fig 1-C



Loosen CMYK caps to insure that there is no pressure on those ink lines.

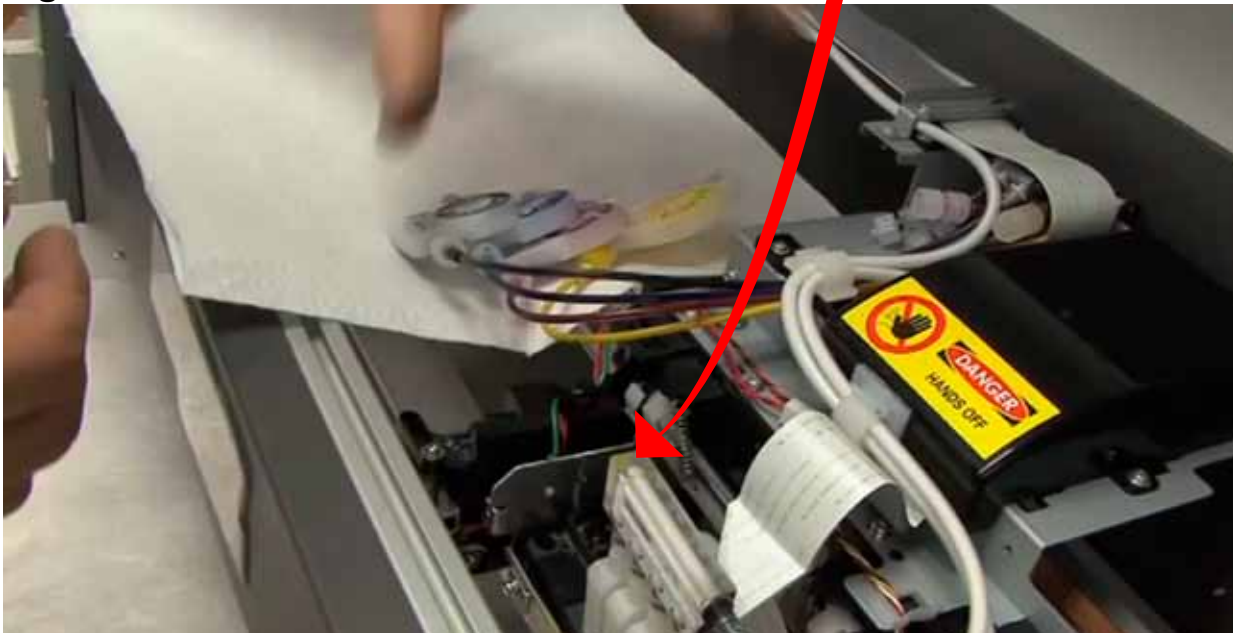
- Pull the CMYK dampers off one at a time. Then pull the white ink dampers out *(white ink are all connected through the **White Ink Manifold**)* they will all come out together. *(Indicated below 1-D)*

NOTE:

*Let the dampers hang loosely over the rag. **CMYK** dampers will hang over the **LEFT** side, and the **WHITE** will hang over **RIGHT** side.*

***"White Ink Manifold"**
lift up on this to get the white ink dampers off*

Fig 1-D



(Always **POWER DOWN** printer and **UNPLUG** before doing any repair work)

M2 (PRINTHEAD CABLE REPLACEMENT)

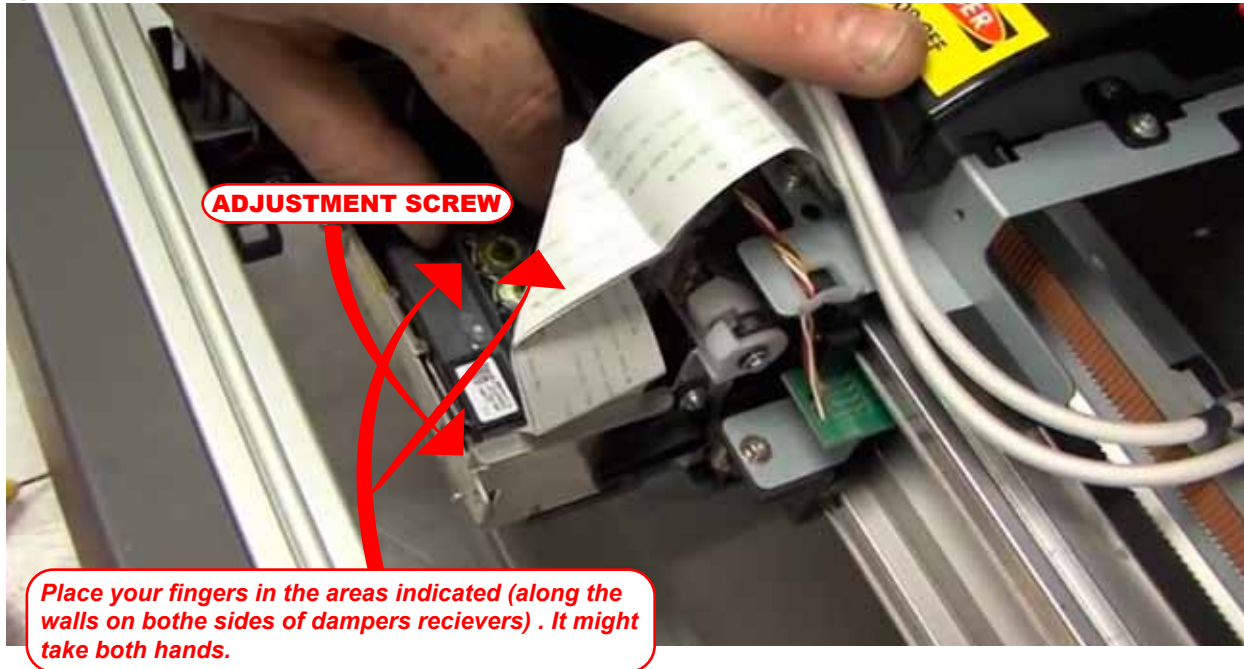
7. Gently pull the printhead out of the carriage. Be careful where you pull from, it's best to use the area indicated below . Sometimes it will require both hands to get the head out. Usually pushing back, then lifting up, wiggling the head as you are lifting up.

Notice the **adjustment screw**, this screw has been factory set to keep the printhead tilt correct. We do not want to adjust this screw. It's best to work around it when replacing the printhead.

WARNING:

Be careful not to damage the "FACE" of your printhead while installing the new one. NEVER touch the face of the printhead or lay it face down on anything.

Fig 1-E



8. Pull the FFC cables straight out, be careful not to damage the "Teeth" on the cables.
(Indicated in 1-F and 1-G)

Fig 1-F



Fig 1-G

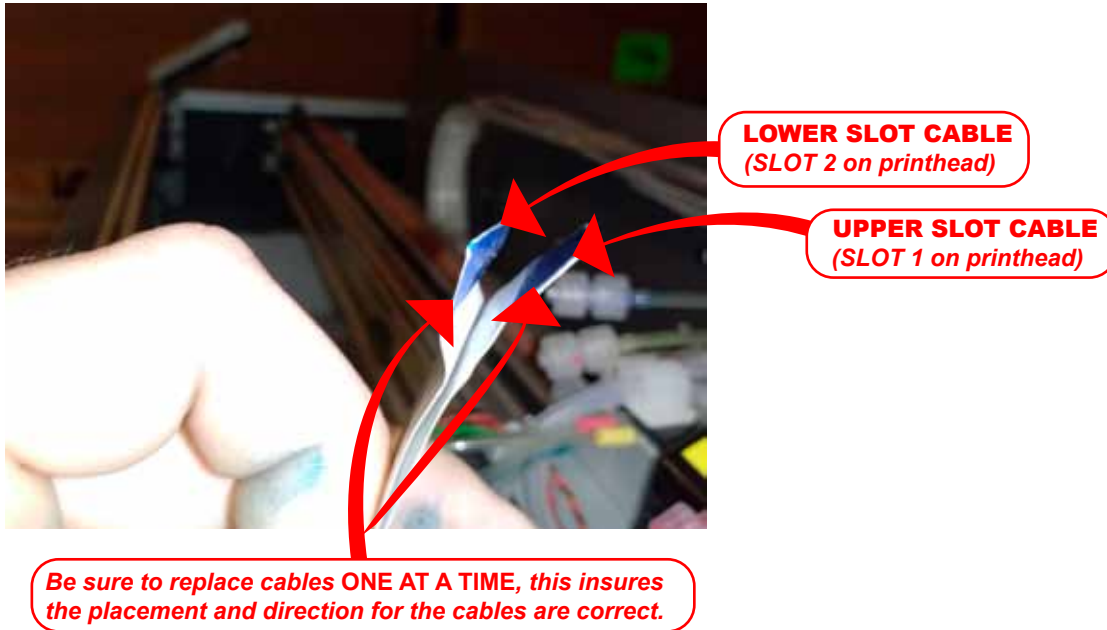


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M2 (PRINTHEAD CABLE REPLACEMENT)

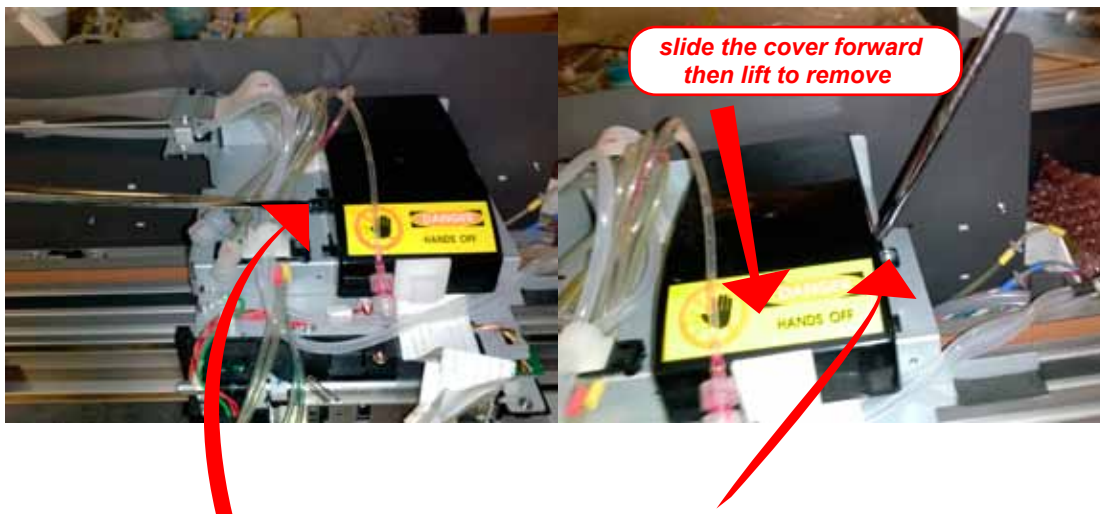
9. Notice which direction the cables are facing in relation to each other. The “teeth” (electrical tabs) are facing **AWAY** from each other. *(Indicated below 1-H)*

Fig 1-H



10. Remove the black plastic cover (this houses the CR BOARD) *(Indicated below 1-I)*

Fig 1-I



Take the two screws holding the cover into place out. Slide the cover forward then remove. (This will reveal the CR BOARD)

(Always POWER DOWN printer and UNPLUG before doing any repair work)

M2 (PRINTHEAD CABLE REPLACEMENT)

11. In some cases your NEW FFC cables will not be “PRE-FOLDED” to fit your machine. If your cables are “PRE-FOLDED” move on to step 12. If they **ARE NOT** “PRE-FOLDED” follow the steps below.

Mark your **EXISTING** cables on the print head end. *(Indicated below 1-J)*, then follow each cable to the CR BOARD and mark it with corresponding marks on that end. *(Indicated below 1-K)*

Then tape the **EXISTING** cables together *(in this example I am using paper clips to hold the cables together)*
Remove the cables from the CR BOARD and use them as a template to fold your new cables.

Fig 1-J



UPPER SLOT CABLE
(SLOT 1 on printhead)

LOWER SLOT CABLE
(SLOT 2 on printhead)

Fig 1-K



The fold doesn't have to be an EXACT match, the main goal is to insure that the cables are plugged in correctly.

For example: The “1U” (SLOT 1 UPPER CABLE) is plugged into the corresponding slot on the CR BOARD.

If the cables aren't facing the right direction or the slot on the head or CR BOARD are switched, the printer will error upon start up.

Fig 1-L



This is the correct position for the UPPER SLOT CABLE on the CR BOARD
(SLOT 1 on printhead)
(J205 to HEAD CN2)

This is the correct position for the LOWER SLOT CABLE on the CR BOARD
(SLOT 2 on printhead)
(J204 to HEAD CN1)

12. Gently unplug your existing cables from the CR BOARD. Plug your new cables into the CR BOARD. Be sure the teeth of the cables are facing correct way, start with slot 1.

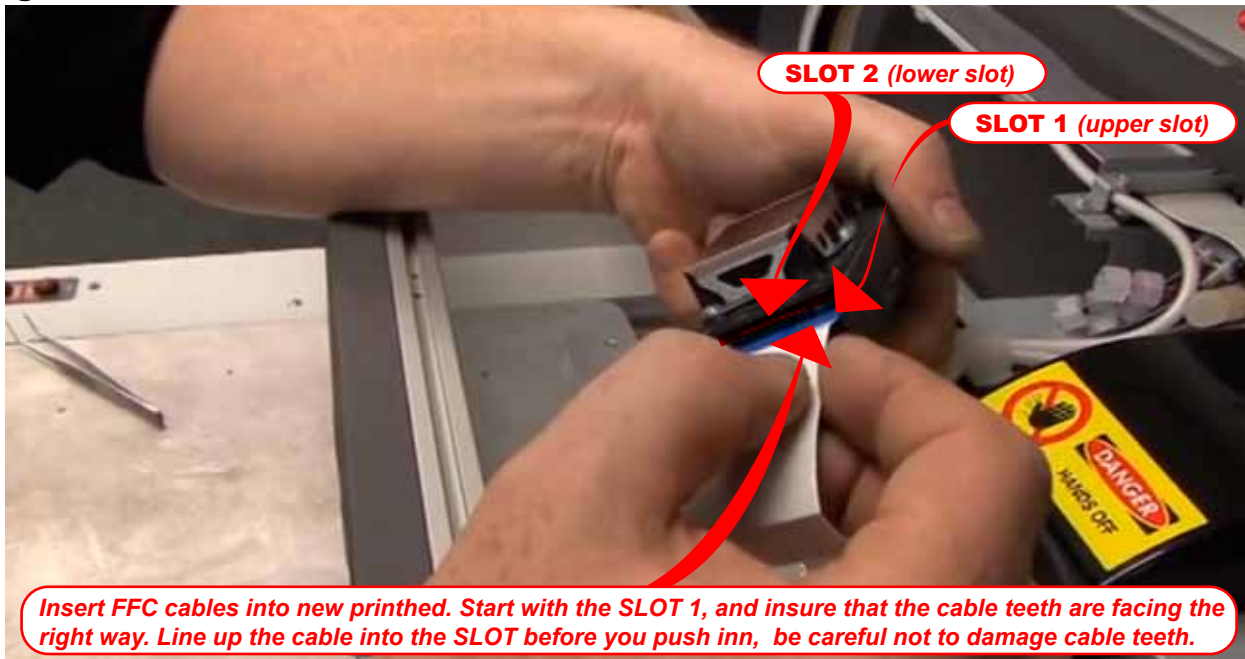
(Indicated below 1-L)

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M2 (PRINTHEAD CABLE REPLACEMENT)

13. Connect the FFC cables to your new printhead. Insure that you are placing the correct cable into the correct slot on the head. Start with Slot one, and then insert slot two. *(Indicated below 1-M)*

Fig 1-M



14. Carefully re-seat the print head back into carriage. Be careful not to touch or damage the printhead "FACE", push back on head and wiggle into position. *(Indicated below 1-N)* Ensure that the head is placed correctly, check that it is FLUSH with black plastic ramps on either side. *(Indicated below 1-O)*

Fig 1-N



Ensure that printhead face is flush with these plastic black "ramps"

Fig 1-O



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M2 (PRINTHEAD CABLE REPLACEMENT)

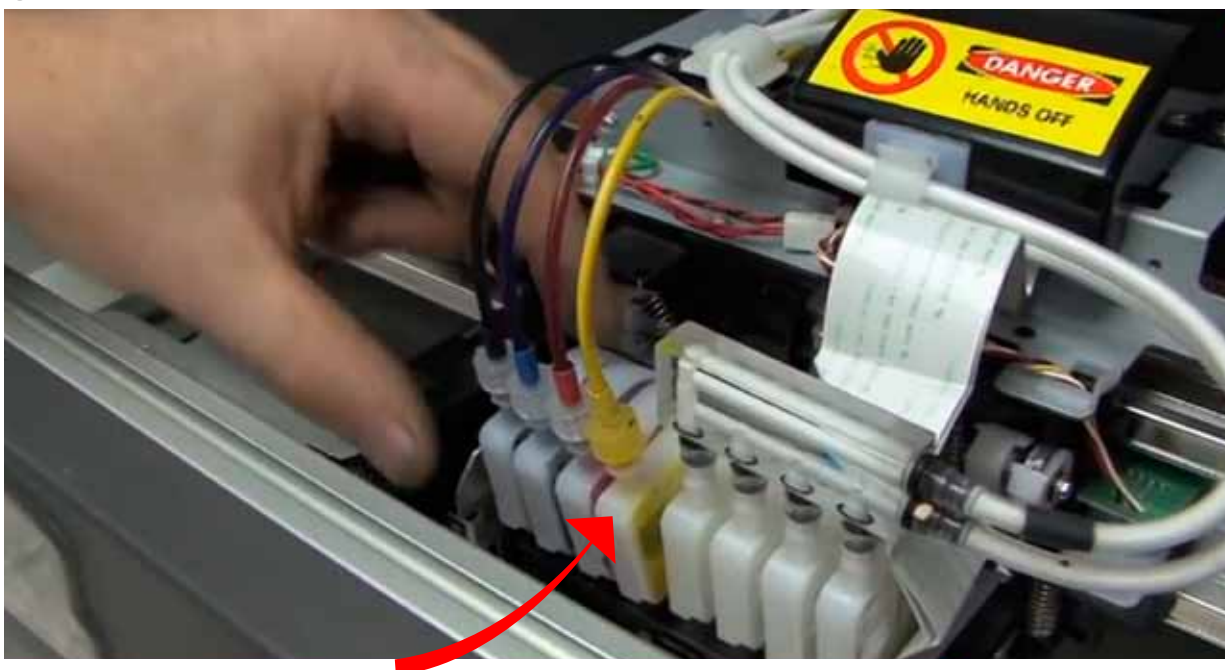
11. Carefully re-seat the white dampers first. *(Indicated below 1-P)*

Fig 1-P



12. Re-Seat the CMYK dampers next, be sure to place the colors back into the correct order. *(from left the order should be BLACK, CYAN, MAGENTA, YELLOW)* *(Indicated below 1-Q)*

Fig 1-Q



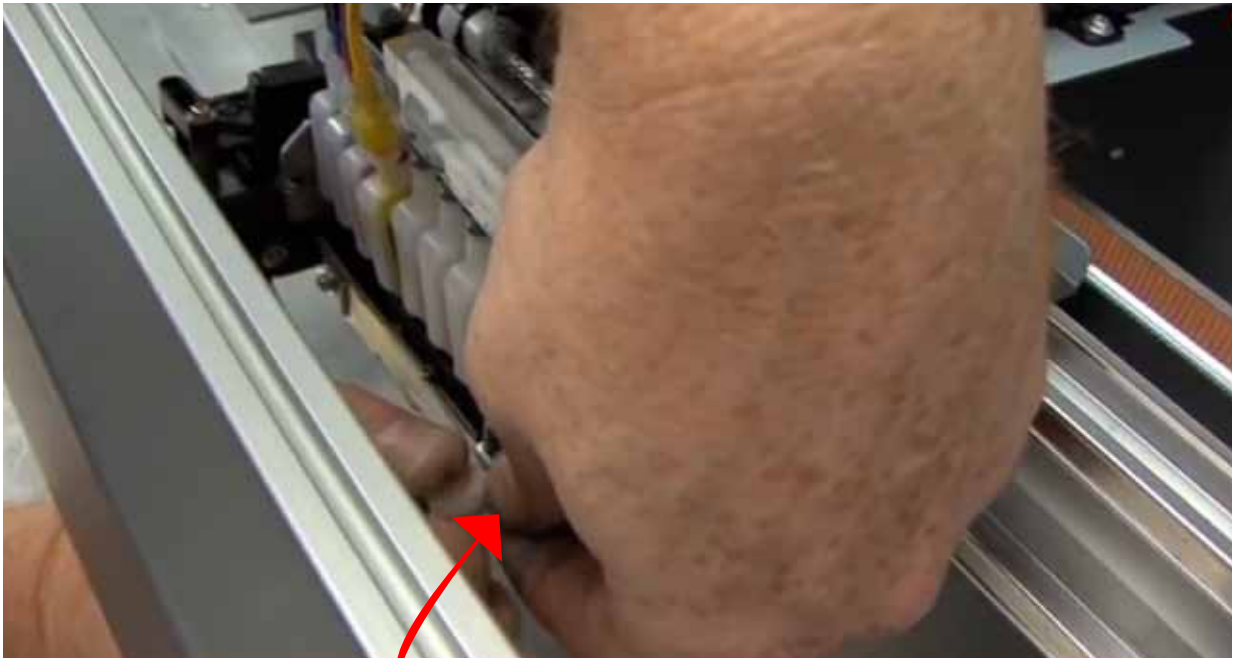
Be sure to place the CMYK dampers back in the correct order from left the order should be BLACK, CYAN, MAGENTA, YELLOW

(Always POWER DOWN printer and UNPLUG before doing any repair work)

M2 (PRINTHEAD CABLE REPLACEMENT)

13. Re-Seat the retainer bar. Push down on tabs on reatainer bar as you are putting the thumbscrews back in. This ensures that printhead stays flush with ramps, and that dampers are seated correctly. *(Indicated below 1-R)*

Fig 1-R



Push down on retainer bar tab while putting thumbscrew back into place.

14. Re-check printhead and insure everything is placed correctly. *(Check damper order, and printhead flush with plastic black ramps)*

15. After double checking everything, we can dock the carriage back over the capping station, restart printer, tighten the CMYK bottle caps.

16. Do at least 2 head cleanings in order to prime the new head and pull out any air that got into dampers or ink lines. It also helps to wait about 10 minutes after head cleanings, just to allow any to find it's way out.

17. Do a nozzle check, the first one usually comes out a little spotty, at this point you can normally begin printing as usual.