

Kiosk Print Head Replacement

The print head is located in the carriage assembly which is protected by a strong, lightweight aluminum hinged lid. The lid is anchored by adhesive machine fabric tape (b) and locked in position by the hinge screw marked (a).

To gain access to the screws merely need to be loosened, not removed. Be sure to loosen both screws as failure to do so may cause the plastic hinge assembly to snap off.

Turn off all valves. (45 degree)

Gently lift the aluminum lid upwards and then tighten the hinge screws slightly to hold the lid in place.

Carefully remove each damper (a) from the head, starting with the left most damper by pulling on the small lifting ledge on the side of the damper.

It is important to handle the damper with care to prevent puncturing the pressure membrane.

Remove the aluminum cover screws, aluminum cover and dampers and place to the side.

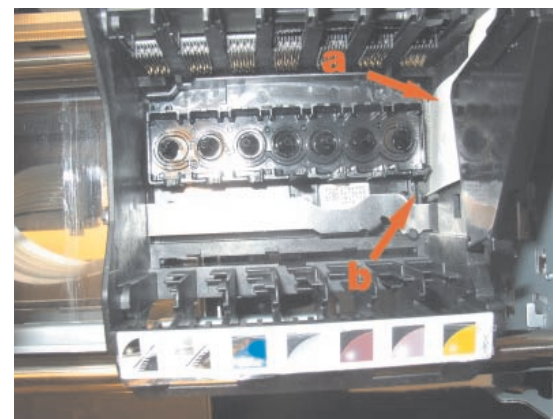
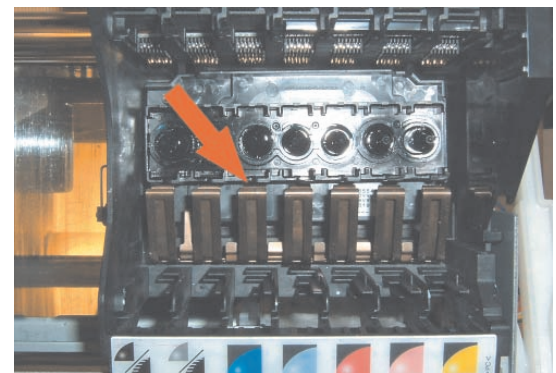
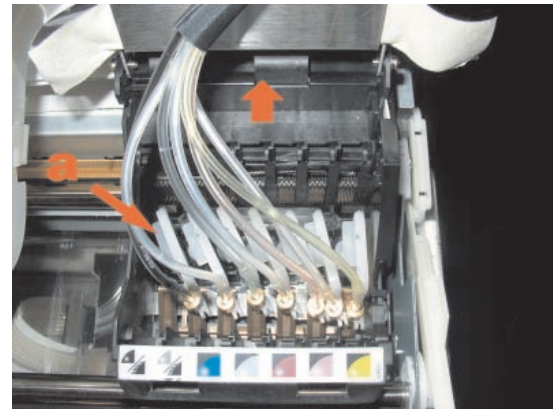
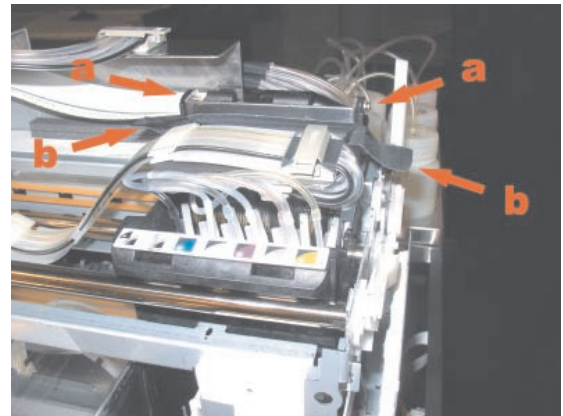
The dual spring assembly (a) is sometimes completely removed during pre-shipment testing and sometimes during head replacement. In earlier models which did not use the Kiosk special bulk ink delivery system, these springs assisted in the ejection of the ink cartridges during replacement.

To remove, grasp one of the middle springs with long nosed pliers and pull up firmly. Gently wriggle the assembly from side to side and it will dislodge from its slot.

Once all the dampers and the relevant ink delivery tubing have been removed the print head is now exposed.

The print head cable (a) indicated by the arrow on the right hand side of the carriage assembly, has a protective strip (b) and is just visible

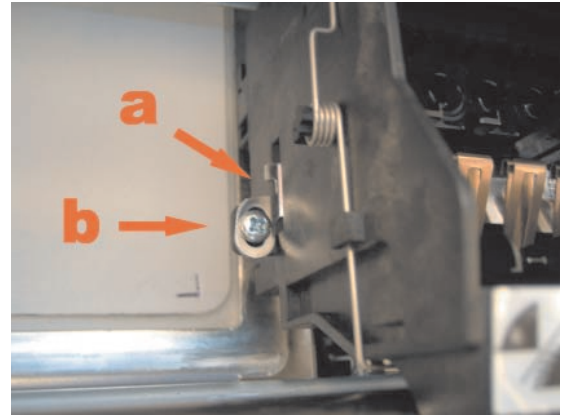
This foam strip prevents ink spills from getting onto the head cable and running down into the head cable connector.



SWITCH OFF THE PRINTER AND REMOVE THE POWER CABLE.

To remove the print head from the carriage.

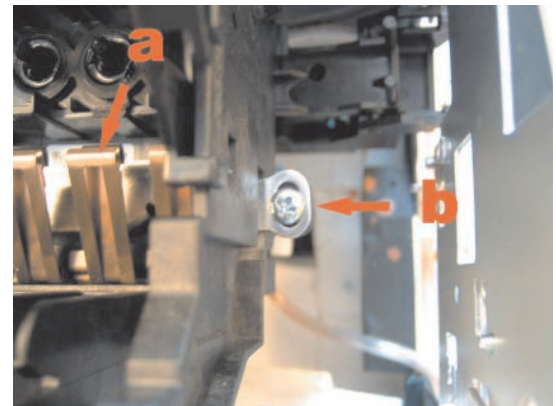
1. Release the tension spring from the detente (a) on the head plate located on the left had side of the carriage.
2. Remove the self tapping screw (b) which holds the left side of the head plate.



3. With a pair of long nosed pliers pull the cartridge release spring assembly (a) up and out of the carriage assembly. Not all Kiosk have a release spring assembly.

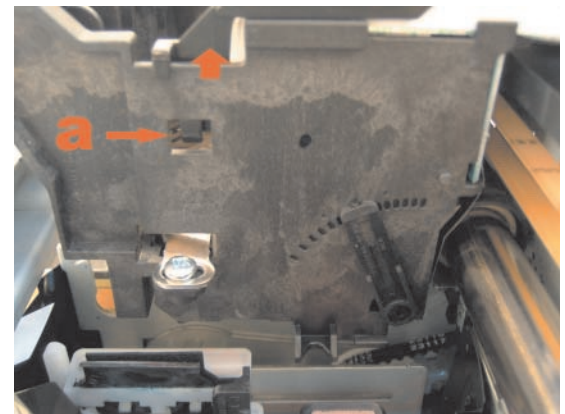
It will be easier to lift each side slightly and alternately until the assembly comes out.

4. Remove the self tapping screw (b) which hold the right side of the head plate.



5. Gently depress the clip (a) so that the front portion of the head cable shield can be lifted free.

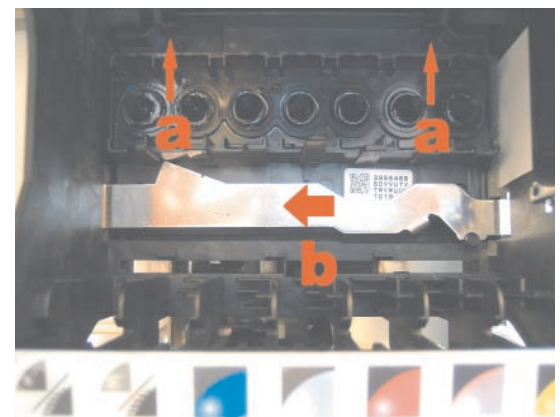
Do not pull this shield up to high or it will disengage from the rear shield clips. Although this is not a serious problem it can be difficult to re-engage them correctly.



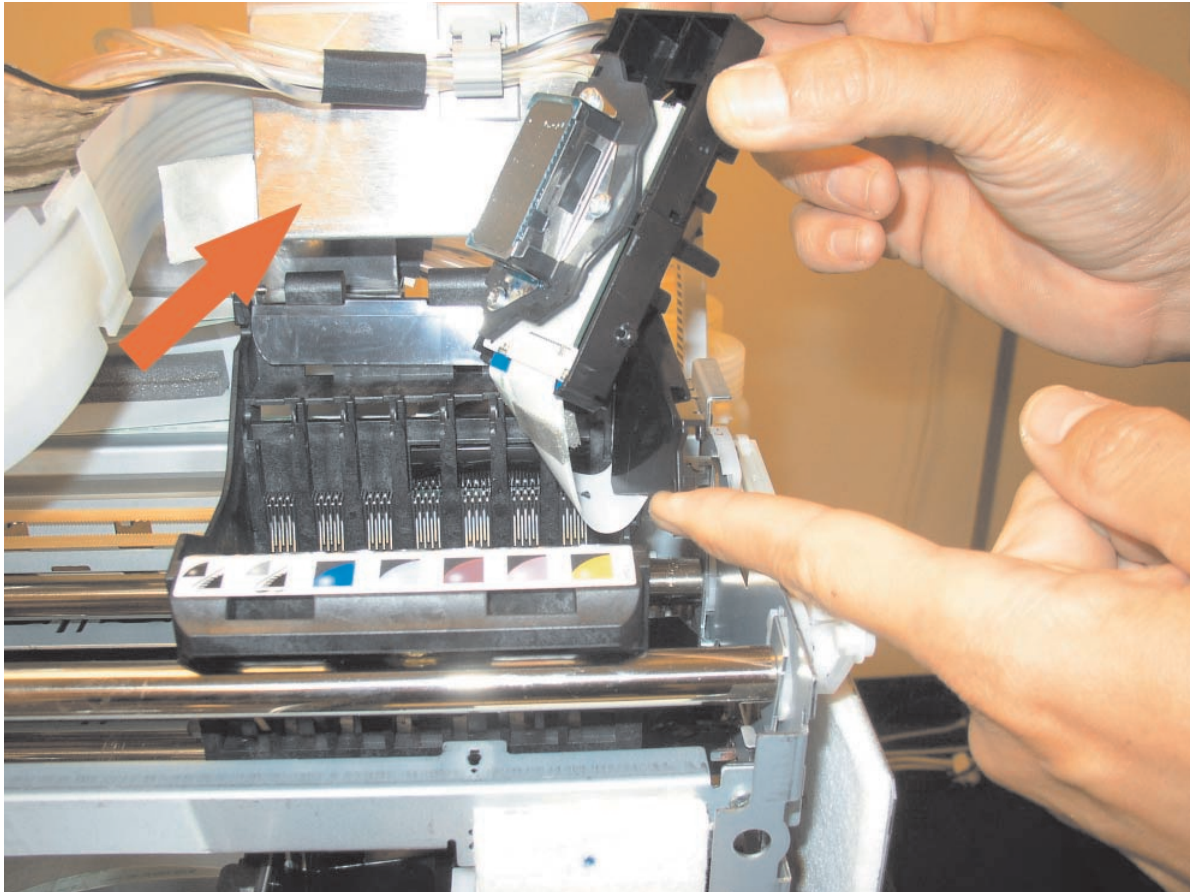
6. Slide the head plate (b) to the left until the right had side is free from the slot. Then lift the right side of the head plate up and towards the right to free it from the left had slot.

The head is held in place be two clips which protrude from the carriage and over the lip of the print head.

7. Gently pull the head towards the front of the Kiosk and it will release from the clips (a).



The head is angled up and away from the carriage, the cable can then be carefully unplugged. The metal cover indicated to by the arrow will be removed before replacing the print head.



Once the head cable has been unplugged it is ready for examination or cleaning.

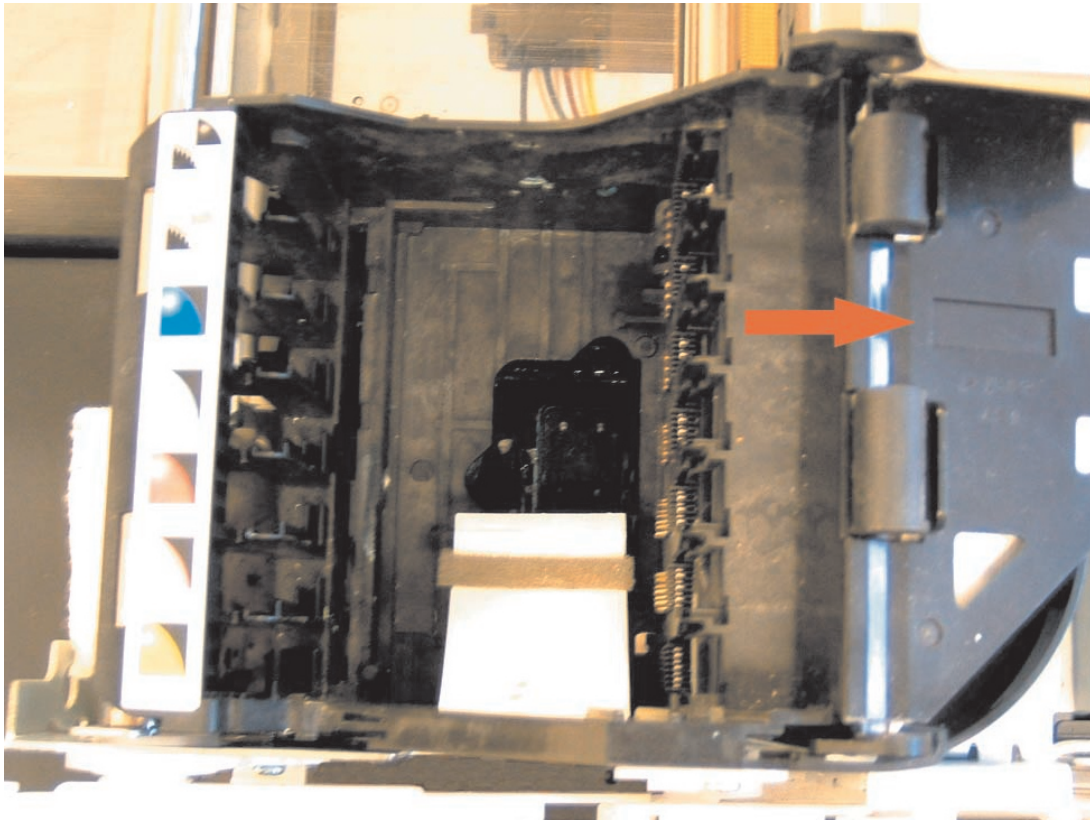
The print head is shown here in this picture. The head ID label is located on the lower right. Please ensure that this label does not get damaged. If replacing the print head please write the Head Id on the box the new print head came in. It may be needed at a later time.



The print head has small guide ags on the front upper section for lining up the ink cartridges. As these are not needed it is better to twist them off with a small pair of pliers before fitting into the printer.



Carefully remove the protective aluminum cover by taking out the two securing screws. Once the cover is out of the way we can gain access to the plastic head cable guide shown in the picture below. Carefully, unclip the guide in the direction of the arrow.



Once the guide has been removed the cable can be easily accessed to plug into the new head. The arrow is pointing to the porous pad that must be fitted when ever the head cable is replaced. This pad protects the head from being damaged by minor ink spills.

