ColorWay
www.colorway.ua

Installation instructions
Continuous Ink Supply System (CISS). Item code H920CN-4.5
CISS for inkjet printers and MFU HP models: DeskJet-3070; Photosmart 5510/5515/6510/7510/B010/B109/B110/B209/B210; OfficeJet 6500/6000/7000.

Thank you for purchasing CISS TM ColorWay. We appreciate your support and we do our best for convenient usage of our products.

Continuous Ink supply system

Continuous ink supply system (CISS) is a device that is used for massive printing volumes, such as color copying, instant printing and other promotional materials printing. Systems are ideal for home and work operation.

CISS represents a device, which consists of inktanks with inks, linked with multichannel silicon tube with cartridges, identical to the original ones. CISS ColorWay uses high quality inks TM ColorWay.

CISS advantages: volume of donor inktanks is in 10 - 20 times bigger than the regular cartridges; there is no necessity to eject cartridges from printer during refilling, the air does not enter to the printhead, prolonging it's life. And as we know, it's the most expensive part of device; huge savings, more than in 20 - 40 times!

Box content:

1. Ink tanks with cap 4 colors – 1pc
2. A 4 channel silicone tube – 1 pc
3. Cartridges – 4 pcs
4. Rubber lining for cartridges – 1 set
5. U shaped silicone tube clincher – 3 pcs.
6. A straight silicone tube clincher – 1 pc.
7. T-shaped silicone tube clincher – 1 pc.
8. Double sided adhesive tape – 1 set
9. Ink tanks clincher – 2 pcs.
10. Air filters – 4 pcs.
11. A syringe – 4 pcs.
12. Gloves – 1 pair
13. Installation instruction

The exterior product view and bundling may differ. Drawings and photos are presented in the manual to understand the general installation and operation process of the CISS. The manufacturer reserves the right to change product specifications, designs and bundling without prior notice.

*Inks optionally: H920CN-0.0 (without inks); H920CN-4.5 (4 * 50 ml. inks); H920CN-4.1 (4 * 100 ml. inks).*

1. Installation preparation

Installation of CISS requires technical information how to install it so we advise you to read instruction before installation.

Before installation please check the whole system and box content.

During the period of CISS usage please do not touch chips, do not let dust and liquids to make them broken.

1.1. Before installations of CISS please make sure the printer is in working condition: make sure the printer works well with original cartridges and paper supply mechanism is fine. If the printer is new and it is been never used before so please go to p.1.3.

1.2. Please print nozzles checking test or test page to check printer workability (see printer manual, MFU). If test is positive so please start CISS installation. If result is negative so please follow the recommendations on cleaning printing head via software of printer (See printer manual, MFU). During printing process no deffects should be detected (stripes, colors problems, blots and etc.).

! *Reminder! The fact that in a printer is used non original consumables can be used as a reason of warranty cancelation. Make sure that your printer is compatible with this system (list of compatible printer models is on a side label of box).*

Please note: in some printers and MFU with partial installation of software (only drivers is installed), printer serive settings might be absent.

1.3. Get straight a silicone tube, it should be in fine working condition. Let CISS to lie for a while for getting room temperature.

1.4. All procedures are recommended to be organized in a way to avoid getting inks on furniture, floor and clothes

! *!!! Attention! If previously you have been using low quality inks or you change now pigment inks into dye inks or dye inks into pigment inks. In this case please clean a printing head before printing with a special cleaning liquid. If you have been using original inks or inks of TM ColorWay in this case no need to clean printing head. TM ColorWay inks is completely compatible with original inks and during installation of TM ColorWay CISS no need to clean printing head.*

2. Chips installation

2.1. Switch on. Open a cap that closes cartridges in printer. Wait until carriage is away from Parking position and stops in position Cartridge replacement , please pull out energy cable (220B), after this you can move a carriage with your hand.

2.2. Put out original cartridges from carriage

2.3. Carefully with a help of knife remove chips from original cartridges (Pic. 1).

2.4. Remove orange caps from cartridges and install original chips in respective places on cartridges of CISS (Pic. 2). Make sure a chip matches a respective color.

2.5. Get back orange caps on CISS cartridges.

Pic. 1

Pic. 2

3. Ink tank refilling

PLEASE NOTE: INK VERY BADLY WASHED OFF, PLEASE ORGANIZE ALL THE PROCEDURES VERY CAREFULLY!

INK CAN RUIN YOUR FURNITURE AND CLOTHES; MAKE SURE THAT YOUR WORKING SPACE AND CLOTH ARE NOT CHERISHED.

Fill in the ink tanks as it shown on Pic. 3:

3.1. Plug small aperture with the rubber;

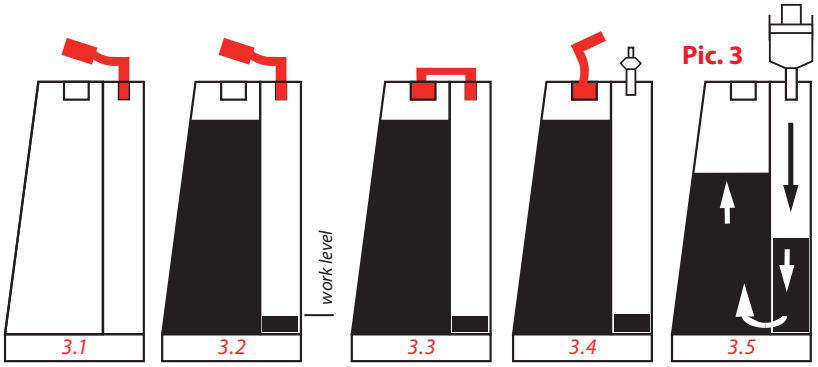
3.2. Inject ink though the big aperture;

3.3. Plug the big aperture;

3.4. Unplug the small aperture, insert the air filter;

3.5. In case big apertures weren't plugged, ink level in both chambers will become equal. In this case you have to unplug both chambers, insert the syringe with pulled back plunger into the small aperture. Carefully push the syringe plunger down, injecting the air into the small chamber and transferring ink into the big chamber. Than plug the big aperture (Pic. 3 – images 3.5).

In-service ink tanks should be correctly filled-in: please pay attention to operating level of ink in small chamber – it should be minimal.



Pic. 3

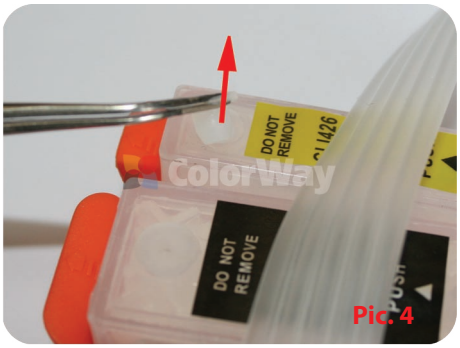
! *Note: Do not place ink tanks higher than level of cartridges (printing head) it may cause leakage. Due to excess pressure ink flows into the printer and may spoil printing head and electronic contacts. Keep the ink tanks on the same level with the printer. The air filters (membrane) should be clean and dry. If the air filter is moisten with ink or any other liquid – it stops passing the air and CISS stops working properly (the missing colors are observed on printouts). In this case it'll be better to take filter away and use the CISS without it.*

3. System pumping

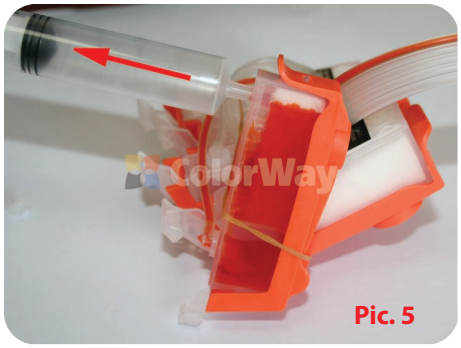
3.1. Accurately open a rubber cap on cartridge (Pic. 4), put in hole a tip of syringe without needle and get a cartridge at angle (Pic.5). Then pull a plunger of syringe up and **wait until a cartridge is full of inks.** Get a cartridge horizontally (Pic. 6), gently put out a syringe and close a cap on cartridge. During pumping do not remove orange cap from cartridge.

3.2. Take a clean syringe and do the same procedure described in p.3.1. for all cartridges.

3.3. After pumping, 5-6 cm away from ink tanks bend a silicone tube with binder to avoid leakage of inks during cartridge installation in printer (Pic. 13)



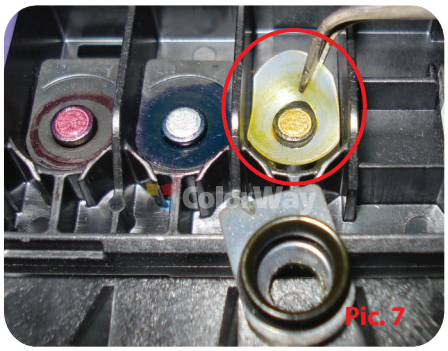
Pic. 4


Pic. 5


Pic. 6

5.Cartridges and silicone tube installation

Before you start to fix the tube, you need to clearly understand the principle of its movement during the printer operation, as well as to understand the basic fixing principles:
Rule № 1: The length of the tube should be enough for free movement of the printhead from the extreme right – to the extreme left position;
Rule № 2: The tube can bend and touch the printer itself during the moving of print head, but the tube should not get stuck between moving and stationary printer parts!

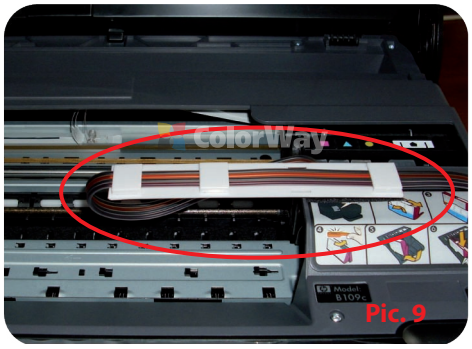

Pic. 7

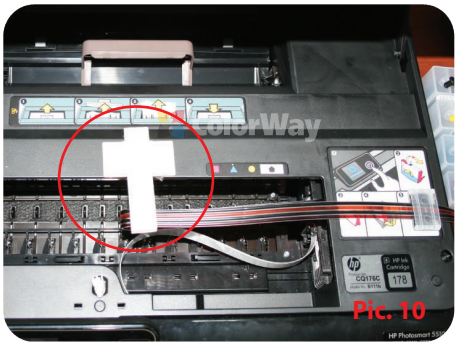
5.1. Remove black rubber hobs from printing nozzles. Install rubber lining on carriage nozzles and install back black rubber hobs (Pic. 7).
5.2. Put out for CISS cartridges orange caps and install cartridges in carriage (cartridges should be properly installed in their places with click). (Pic. 8).

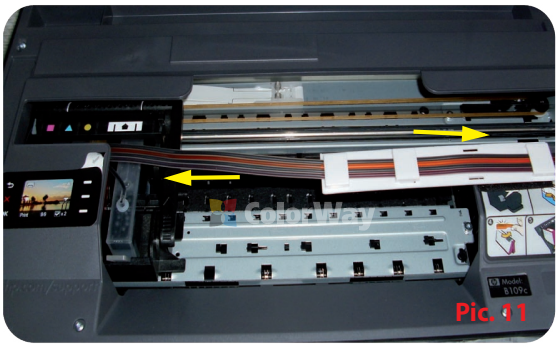
For MFU (178 cartridges).

5.3. Install a straight or T shaped clincher of silicone tube on the printer body (depends on body) as shown on Pic.9;10 (please fix a clincher properly because this clincher is important for proper holding of silicone tube).
5.4. Fix in silicone tube clincher athwart to printing head, make sure a silicone tube is not overturn.
5.5. Move gently with your hand a carriage from extreme right to extreme left position, a silicone tube should be moving properly, it should not block a carriage, if it is necessary adjust a silicone tube (Pic.11).
Further exploitation of printer with CISS depends on correct fixation of silicone tube.
5.6. Before system installation in some MFU, please fix indicator of cap opening with adhesive tape (Pic.12).
5.7. Remove binder and get straight a silicone tube (Pic. 13).


Pic. 8


Pic. 9


Pic. 10

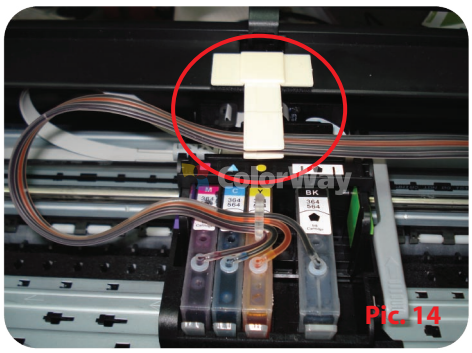

Pic. 11

Pic. 12

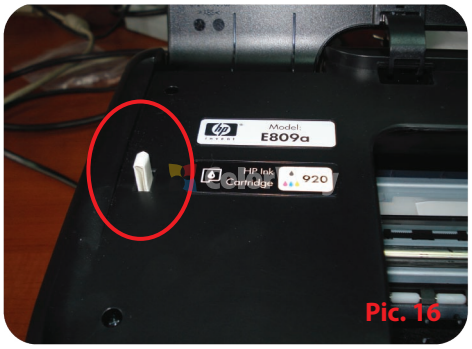

Pic. 13

For printers (920 cartridges).

5.7. Install in the middle a T shaped clincher of silicone tube on the printer body shown on the (Pic. 14, 15), a clincher should be fixed properly.
5.8. Fix in silicone tube clincher athwart to printing head, make sure a silicone tube is not overturn.
5.9. Move gently with your hand a carriage from extreme right to extreme left position, a silicone tube should be moving properly, it should not block a carriage, if it is necessary adjust a silicone tube.
Further exploitation of printer with CISS depends on correct fixation of silicone tube.
5.10. Before installation please fix an indicator of cap opening with a help of paper or adhesive tape (Pic.16).
5.11. Remove binder and get straight a silicone tube (Pic. 13).


Pic. 14


Pic. 15



Pic. 16

6. System start-up

Before system start, please monitor whether you strictly followed to all instructions in section 4 "Refilling of ink tanks". Make sure that ink tanks are on the same level with the printer; and air holes are open.

6.1. Switch on printer (MFU). Wait until printer (MFU) is ready.
6.2. With a help of printer driver do 2-3 cleaning procedures and after this print out a test page and then make sure all nozzles print properly. (p.1.2.). If some nozzles do not print, please leave printer for 5-10 hours, over this time an air that could get in printing head during installation can go out and also a system pressure stabilizes
6.3. If MFU says that inks are over, please follow instructions on MFU display, choosing actions to continue printing. Printer driver does not block printing when counter of original cartridge on.

7. Ink tanks binding.

7.1. CISS box includes clinchers for ink tanks and if it is necessary you may stick tanks to the printer. Please follow instructions on shown picture 17;18;19).

8. Service regulations of CISS

8.1. External ink tanks should be filled correctly. A minimum level of inks should be in small ink tanks (p.4. Filling of ink tanks). In case when in small tank too much of inks (Pic.20), close all caps of tanks (Pic. 21). Tilt tanks on big caps and wait until inks will go from big tanks to small tanks (Pic. 21). Get tanks in standard position and open small caps (Pic. 22). Put in air filters.
8.2. Big holes in tanks should be closed and small holes open with air filters.
8.3. External ink tanks should be standing on the same level with printer, do not lift them higher than level of cartridges because it may cause leakage. If air filters do not work properly due to various reasons please remove them and use system without them.
8.4. A Silicone tube should be installed properly and do not obstruct a movement of printing head.
8.5. Print no less than 1 time a week to avoid printing head drying.
8.6. Use only high quality inks, do not mix inks of various brands and types. It may harm cartridges or printing head.
8.7. During printing do not get upside down ink tanks.
8.8. Use CISS in clean room at temperature of 15-35 C.
8.9. Do not get separate CISS parts. For getting the best printing quality please use inks and paper TM ColorWay.
8.10. Do not keep it under direct sun light.
8.11. Keep out of the reach of children, do not let inks to harm eyes.

Pic. 19

9. Transportation of CISS with printer.

9.1. Put out air filters and close with caps small halls in order to avoid leakage.
9.2. Bind with binder a silicone tube that comes from CISS to printer.
9.3. Transport a printer with CISS in horizontal position, do not get printer upside down. For more convenience you can stick air tanks to printer.

10. Questions and answers

10.1. Some places are not printed well (text or pictures)
In case: if you cleaned printing head several times and you still can see blanks on paper.
Solution: clean printing head several times and after cleaning procedure print test page. After each cleaning procedure please make a break for 5-10 min. If it does not help, switch off printer for 12 hours and let CISS and printer to stay calm. After this please print test page.
Solution: with unacceptable printing result of printing (after several cleaning procedures) remove a rubber laying from printing head, from those color cartridge that gives unacceptable result.

10.2. Air bubbles in a silicone tube
In case: if cleaning does not lead to positive result and you still have problems with colors workability.
Solution: a system is not properly pumped and as a result in cartridges lots of air, you need to pump system properly one more time (see p.3).
Solution: external ink tanks are lower than level of printer. Get ink tanks on the same level with printer.
Solution: a rubber laying is worn out on nozzles of carriage, please replace laying.

10.3. During printing one or two colors does not work
In case: when during printing a test page one or two colors does not work, and some colors do not come into cartridge.
Solution: print a test page and find out which color does not work, check a silicone tube for any bends. In case of any bends please get straight a silicone tube and after this do cleaning procedure.
Solution: a system is not properly pumped and as a result in cartridges lots of air, you need to pump system properly one more time (see p.3).
Solution: a rubber laying is worn out on nozzles of carriage, please replace laying.

10.4. Stripes on printings
In case of horizontal stripes or blanks on printings.
Solution: the main reason is drying of printing head that caused by usage of low quality inks or long term unworkable printer condition. With a help of printer driver for cleaning, please make 2-3 cleaning procedures and repeat it again after 2-3 hours.
Solution: Solution: a system is not properly pumped and as a result in cartridges lots of air, you need to pump system properly one more time (see p.3).

10.5. Colors inversion
In case when all pictures are unnatural.
Solution: please make a test page, all colors should be different and cartridges of CISS should meet the respective carriage of printing head.

10.6 Bad printing quality

In case when a test page is positive and printing quality is low.

Solution: soft program of printer is installed incorrectly. Please change printer settings to higher.

Printing is low quality. The reason might be because of not properly calibrated printing head (see printer manual). During printing there are stripes it might be the end of printing head life.

10.7. A printer does not recognize cartridges.

In case: if a printer does not recognize cartridges.

Solution: bad contact of cartridge with carriage chips, make sure that cartridges installed correctly. Clean a chips with dry napkin. If it is necessary replace chips into a new one from original cartridge.

10.8. Blot on paper, a permanent air in tubes.

In case: you see blots on paper.

Solution: tanks are not on the same level with printer or in small tanks are too much of inks (p.8.). Please get inks tanks on the same level with printer and control filling procedure.

10.9. Error with carriage positioning.

In case: when printer says General Error or your printer needs service

Solution: during the printing a carriage cannot move. A silicone tube might be too short of long, please adjust a necessary length of silicone tube. If an external part gets in a printer, please check printer body for any external parts.