



**ElevenTen**<sup>TM</sup>

**C O L O R**

**Ink Conversion Procedure**

**Mimaki JV3**

**Converting Mimaki JV3  
to ElevenTen Color A-1141 Series Inks**



Ver 1.0: March 2008

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## Section 1

### Conversion from Mimaki SS2 ink to ElevenTen Color A-1141 Series Ink

The following conversion procedure is designed to convert your Mimaki printer from the Mimaki SS2 Series inkset to the ElevenTen Color A-1141 Series inkset. This procedure can be used for either an 8 (CMYKx2) or 6 (CMYKLCm) color ink configuration as long as the ElevenTen Color inkset matches the configuration that is currently installed. The ElevenTen Color A-1141 Series inkset has been specifically formulated to be a fully compatible color match, thereby eliminating the need to flush the printer with cleaning solution or generate new ICC profiles.

Failure to implement this procedure as detailed in this document may cause damage to your printer. ElevenTen Color cannot be held responsible for damage caused by the improper implementation of this procedure. If any further information is required about which procedure you need to perform, please contact ElevenTen Color Technical Support for further information or instructions.

#### Pictorial Signs

Pictorial Signs are used as a visual reference to quickly inform users of certain safe practices that must be carried out or to warn of pending danger.



For your own safety wear safety glasses



This symbol indicates a prohibited behavior - refrain from doing



This is a caution symbol, advising of possible error or harm



For your own safety wear safety gloves



All personnel mixing and handling these products must wear gloves and eye protection. Clean up spills immediately. If ink does come in contact with skin, wipe ink off with a clean, dry, absorbent cloth (do not use solvent or thinner). Wash the affected area with soap and water. Consult the ElevenTen Color A-1141 Series Material Safety Data Sheet for further instructions and warnings.



## REQUIREMENTS

The following procedures require a full set of ElevenTen Color A-1141 Series Ink cartridges (2x CMYK or 1x CMYKLcLm plus 2x Cleaning Cartridges)

### STEP 1

Before commencing with the ink conversion it is required that a Test Draw Pattern be obtained as well as a set of Check Pattern tests; one for each of the color inks to be used (CMYK or CMYKLcLm). (The procedures for performing these tests are in Appendix 1). No warranty dispute regarding the conversion can be verified if both a pre-conversion Test Draw Pattern and a pre-conversion Check Pattern for each ink color are not supplied. If several nozzles are permanently missing even after several cleans, you can proceed as long as the customer agrees to sign a disclaimer stating the condition of the Test Draw Pattern before the conversion. A copy of the disclaimer is located in Appendix 2 of this conversion procedure.



Empty the waste bottle before starting this procedure. The waste bottle is usually located on the underside of the printer. Dispose of the ink safely, as guided in your Mimaki user manual. (Consult your user manual if you are unsure of the waste tank location.) For more information on proper disposal of cartridges and/or ink waste please contact your local, county or state regulatory agency.



If you are going to change the current ink configuration (2x CMYK to CMYKLcLm or CMYKLcLm to 2x CMYK), you must follow the procedure outlined in Chapter 2 instead. Failure to do so will result in a color contamination of the ink lines.

### STEP 2



Next, remove each Mimaki SS2 Cartridge one-by-one, replacing each color with the corresponding ElevenTen Color A-1141 Series ink cartridge. Take care that the color removed is replaced with the identical color from the ElevenTen Color A-1141 Series ink cartridge.

If a cartridge fails to install correctly, consult the 'Cartridge Fails To Install' section in Appendix 1.

## STEP 3



Make sure the printer is in <LOCAL> mode. (An explanation of LOCAL / REMOTE mode and other control panel functions is explained in Appendix 1).

Press the [FUNCTION] key on the control panel.

Press the [▼] key until FUNCTION:MAINTENANCE <ent> is displayed

```
FUNCTION  
MAINTENANCE <ent>
```

Once displayed, press the [ENTER] key.

## STEP 4



Next, press the [▼] key until MAINTENANCE:FILL UP INK <ent> is displayed. Press the [ENTER] key.

```
MAINTENANCE  
FILL UP INK <ent>
```

FILL UP INK: HEAD SEL. :1234 will appear in the display.

```
FILL UP INK:  
HEAD SEL.:1234
```

Again, press the [ENTER] key.

The printer will now perform an ink fill. This will automatically replace the Mimaki SS2 inks with your new ElevenTen Color A-1141 Series inkset by charging the ink lines. This process takes approximately 3-5 minutes to perform.

Once the ink fill has finished, press the [ENTER] key once more to repeat the process.

You have almost completed the conversion.



## STEP 5

When the second ink fill has finished, return to <LOCAL> mode by pressing the [END] key until LOCAL is again displayed on the control panel.

Perform a Test Draw Pattern and compare it against the Test Draw Pattern previously printed with the Mimaki SS2 ink set.



If there are nozzles missing (which were present before the ink conversion procedure) perform a strong head clean. (The method to perform a strong head cleaning is explained in your Mimaki operation manual).

Again perform a Test Draw Pattern. Repeat this procedure until all the nozzles are restored.

If you fail to restore any nozzles lost during the conversion procedure, contact ElevenTen Color Technical Support for further instruction and guidance.



Do not remove the cartridges from the printer before they are empty. As with the OEM cartridges, removing and replacing the cartridges repeatedly may allow ink to leak into the printer.



Even though the Mimaki printer has been converted to use ElevenTen Color A-1141 Series Inkset, general maintenance procedures must still be carried out on the printer as documented in your Mimaki user manual. Failure to do so may cause irreparable damage to your printer. There is a guide on preventative maintenance measures in Appendix 1.



## Section 2

### Conversion from a third-party ink or a Mimaki ink (other than SS2) to ElevenTen Color A-1141 Series ink.

The following conversion procedure is designed to convert your Mimaki printer to the ElevenTen Color A-1141 Series inkset when a non-OEM inkset or a Mimaki inkset other than the Mimaki SS2 Series is currently being used. This procedure can be used for either a 4 (CMYK x 2) or 6 (CMYKLcLm) ink configuration. It can also be used for switching ink configurations, such as changing from a 4 color setup (CMYKx2) to a 6 color setup (CMYKLcLm). It is required that the ink lines are flushed through with the correct cleaning solution, thereby alleviating any possible contamination between the two inksets. After the conversion, the current ICC profiles being used will no longer be valid. It is recommended to use original OEM ICC profiles, commonly available for download from RIP software manufacturers or independent media suppliers. ElevenTen Color ICC profiles for Luminosity media can be downloaded at [www.eleventencolor.com](http://www.eleventencolor.com).

Failure to implement this procedure as detailed in this document may cause damage to your printer. ElevenTen Color cannot be held responsible for damage caused by the improper implementation of this procedure. If any further information is required about which procedure you need to perform, please contact ElevenTen Color Technical Support for further information or instructions.

#### Pictorial Signs

Pictorial Signs are used as a visual reference to quickly inform users of certain safe practices that must be carried out or to warn of pending danger.



For your own safety wear safety glasses



This symbol indicates a prohibited behavior - refrain from doing



This is a caution symbol, advising of possible error or harm



For your own safety wear safety gloves

All personnel mixing and handling these products must wear gloves and eye protection. Clean up spills immediately. If ink does come in contact with skin, wipe ink off with a clean, dry, absorbent cloth (do not use solvent or thinner). Wash the affected area with soap and water. Consult the ElevenTen Color A-1141 Series Material Safety Data Sheet for further instructions and warnings.

# CONVERSION PROCEDURES



## REQUIREMENTS

The following procedures require a full set of ElevenTen Color A-1141 Series Ink cartridges (2 x CMYK or 1 x CMYKLcLm), 8 ElevenTen Color Cleaning Cartridges, safety glasses, and several pairs of Nitrile or Latex gloves.

### STEP 1

Before commencing with the ink conversion it is required that a Test Draw Pattern be obtained as well as a set of Check Pattern tests; one for each of the color inks to be used (CMYK or CMYKLcLm). (The procedures for performing these tests are in Appendix 1). No warranty dispute regarding the conversion can be verified if both a pre-conversion Test Draw Pattern and a pre-conversion Check Pattern for each ink color are not supplied. If several nozzles are permanently missing even after several cleans, you can proceed as long as the customer agrees to sign a disclaimer stating the condition of the Test Draw Pattern before the conversion. A copy of the disclaimer is located in Appendix 2 of this conversion procedure.



Empty the waste bottle before starting this procedure. The waste bottle is usually located on the underside of the printer. Dispose of the ink safely, as guided in your Mimaki user manual. (Consult your user manual if you are unsure of the waste tank location.) For more information on proper disposal of cartridges and/or ink waste please contact your local, county or state regulatory agency.

### STEP 2

Make sure the printer is in <LOCAL> mode. (An explanation of LOCAL/REMOTE mode and other display panel functions is provided in Appendix 1.)



Press the [FUNCTION] key on the control panel.  
Press the [▼] key until FUNCTION:MAINTENANCE <ent> is displayed.



Once displayed, press the [ENTER] key.  
Press the [▼] key until MAINTENANCE:HEAD WASH <ent> is displayed. Again, press the [ENTER] key.





# CONVERSION PROCEDURES



From this point on wear safety protection

## STEP 3



You will be instructed to remove the present ink cartridges.

WASH  
REMOVE CARTRIDGES

Remove all the ink cartridges and safely dispose of them. For more information on proper disposal of cartridges and/or ink waste please contact your local, county or state regulatory agency.

When the last cartridge has been removed the pumps will automatically start to empty the ink lines of any ink.

## STEP 4



Next, you will be prompted to install Cleaning cartridges.

WASH  
SET CLEAN TOOL

Insert your ElevenTen Color A-1141 Series Cleaning Cartridges.

When the last Cleaning cartridge has been installed, the pumps will charge the ink lines with the cleaning solution, clearing the ink lines of any remaining non-OEM ink.

## STEP 5

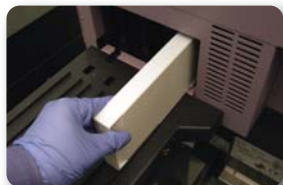


WASH  
REMOVE TOOL

You will be prompted to remove the Cleaning cartridges.

Do not dispose of the Cleaning cartridges just yet as you will be prompted to re-insert them for a second time. The pumps will discharge the ink lines of the now contaminated cleaning solution.

## STEP 6



WASH  
SET CLEAN TOOL

When prompted, replace the Cleaning cartridges for the final flushing through.



Continue to wear safety protection

## STEP 7



Finally, you will be prompted to remove the Cleaning cartridges for the last time. They can be disposed of in the proper manner. For information on the proper disposal of cartridges and/or ink waste, please consult your local, county, state or province. Regulations may also apply to the disposal of this product and/or the container. Contact ElevenTen Color Technical Support for further guidance if required.

The pumps will again discharge the remaining cleaning solution (now contaminated) from the ink lines. The printer is now ready for the next step, which is to install the ElevenTen Color A-1141 Series inkset.

When the pumps finally stop, the ink lines are ready to be primed with the ElevenTen Color A-1141 Series inkset.



Do not press the [▶] key when the following screen is displayed. Doing so will restart the ink change procedure. If you accidentally press the [▶] key, turn the printer off and then back on to return to <LOCAL> mode.

The display will now say WASH: END< >WASH. Press the [◀] key to end the wash procedure.



## STEP 8

Press the [END] key twice to return to <LOCAL> mode. You will be prompted for the ink type you are loading into the printer. You must choose one of the "SS2" ink set options. Use the [▼] or [▲] key to choose the SS2 Sol option for the ink configuration you are installing (4 or 6 colors).



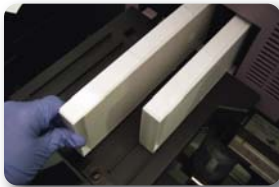
Although there will be multiple options in the ink configuration dialog, only the SS2 Sol options are valid for the ElevenTen Color A-1141 Series inkset. Make sure your selection is an SS2 Sol option.



Continue to wear safety protection



## STEP 9



Once you have selected the ink configuration you wish to operate under (SS2 Sol 4 color or SS2 Sol 6 color), press the [ENTER] key. You will be prompted to insert a cartridge.

SET A  
CARTRIDGE

An audible beep will be heard upon correctly inserting the new ElevenTen Color A-1141 Series cartridge. When all cartridges are installed correctly the pumps will charge the ink lines with the newly installed ElevenTen Color A-1141 Series inkset. If a cartridge fails to install correctly, consult the 'Cartridge Fails to Install' section in Appendix 1.



## STEP 10

When the ink fill has finished, return to <LOCAL> mode by pressing the [END] key until LOCAL is again displayed on the control panel.

Perform a Test Draw Pattern and compare it against the Test Draw Pattern previously printed with the Mimaki SS2 ink set.



If there are nozzles missing (which were present before the ink conversion procedure) perform a strong head clean. (The method to perform a strong head cleaning is explained in your Mimaki operation manual).

Again perform a Test Draw Pattern. Repeat this procedure until all the nozzles are restored.

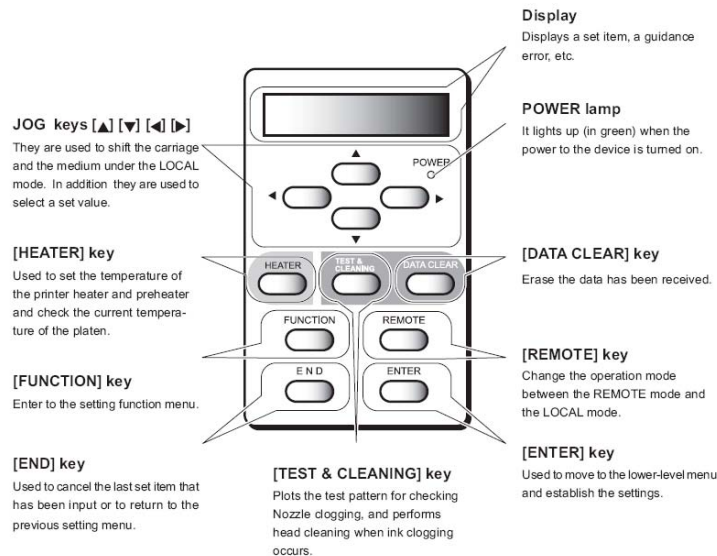
If you fail to restore any nozzles lost during the conversion procedure, contact ElevenTen Color Technical Support for further instruction and guidance.



Do not remove the cartridges from the printer before they are empty. As with the OEM cartridges, removing and replacing the cartridges repeatedly may allow ink to leak into the printer.



Even though the Mimaki printer has been converted to use ElevenTen Color A-1141 Series Inkset, general maintenance procedures must still be carried out on the printer as documented in your Mimaki user manual. Failure to do so may cause irreparable damage to your printer. There is a guide on preventative maintenance measures in Appendix 1.



### Local/Remote Mode Selection

Press the [REMOTE] key to toggle between <LOCAL> and <REMOTE> mode.

### Performing a Test Draw Pattern

Press the [TEST & CLEANING] key once in <LOCAL> mode. When TEST DRAW is displayed on the control panel, press the [ENTER] key. Press the [END] key to return to <LOCAL> mode after the print has finished.

### Performing the Check Patterns

Put the printer in <LOCAL> mode (see above).

Press the [FUNCTION] key. The display will read SETUP.

Press the [▼] key 5 times until #TEST is displayed.

Press the [ENTER] key. CHK PATTERN is displayed.

Press the [ENTER] key again until PATTERN: 100% is displayed

Press the [ENTER] key again until DPI: 360X360 V1 is displayed

Press the [▼] key 6 times until DPI: 720X720 V2 is displayed

Press the [ENTER] key until PLOT: UNI-D 4pass is displayed

Press the [▼] key 3 times until BI-D 4pass is displayed

Press the [ENTER] key 3 times until COLOR = K\_\_ is displayed

Using the arrow keys, select the color to be plotted. The [◀] and [▶] keys select the color channel and the [▲] and [▼] keys toggle that color on (the letter of the color is displayed) or off (no letter is displayed).

Make sure that only one color is selected at a time for each test print. Selecting more than one color at a time prints the colors at the same time and may cause bleed.

Once the color has been selected, press the [ENTER] key 2 times to initiate the plot.

There will be a total of 4 or 6 tests that will be plotted, depending on your ink configuration (CMYK or CMYKLCm). After the print for one test is finished, pressing the [END] key will allow the selection of a different color for the next print.

Upon completion of all tests, press the [END] key until LOCAL is displayed.

The final plot will look like the plot below (for a 4 color configuration):



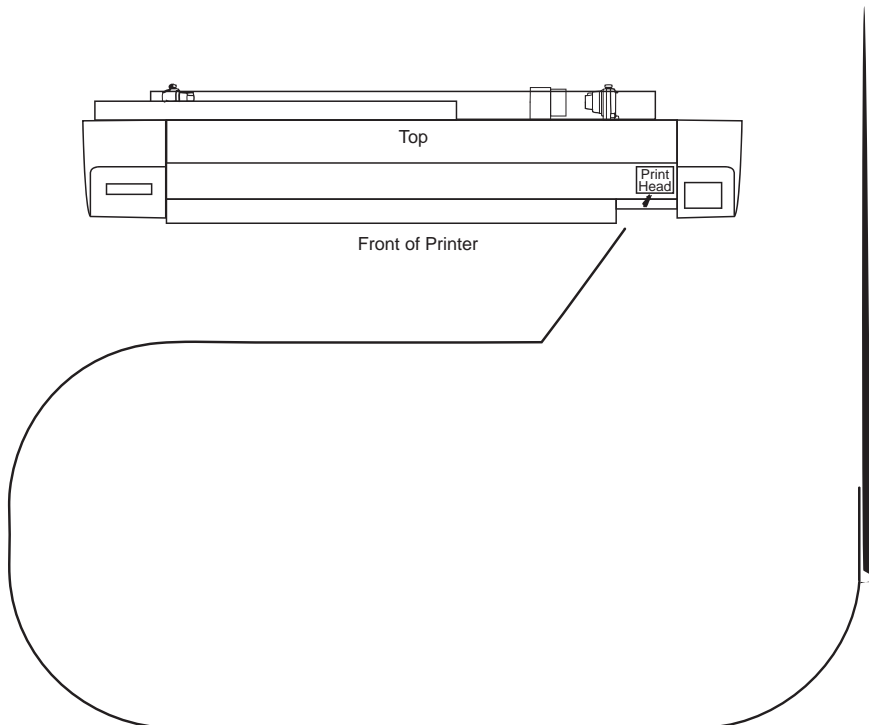


## Cartridge Fails to Install

1. Check to ensure that the cartridge is being inserted into the correct cartridge slot.
2. Check to ensure that the chip on the side of the cartridge is clean from any grease. Gently wipe the chip surface with some alcohol and a lint free cloth. Make sure the chip is fully dry before reinserting it into the cartridge slot.
3. Has the cartridge size been changed, i.e. 220ml -> 440ml or vice versa? If you were previously running 220ml cartridges and you have changed to 440ml you will need to reset the new cartridge size on the display panel. 220ml cartridges are set as "SS Sol" in the menu system. 440ml cartridges are set as "SS2 Sol". To allow the change, the printer has to be reset to read the new cartridge from "SS sol4" to "SS2 sol4" or "SS2 sol6". (Sol4 and Sol6 being 4 or 6 color). This function is found within the MAINTENANCE menu on the display panel.

The procedure for changing between SS2<>SS inks is located in the MAINTENANCE menu. Press the [FUNCTION] key in <LOCAL> mode. When [MAINTENANCE] is displayed, press the [ENTER] key. Next press the [▼] key until SS2<>SS CHG <ENT> is displayed. Pressing [ENTER] toggles between the two options.

4. Make sure the cartridge is a new cartridge and not a used or empty cartridge and it has a chip on the side.
5. If all of the above fail to rectify the issue, contact ElevenTen Color Technical Support.





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# APPENDIX 2



## Warranty Registration and Conversion Acknowledgement

### END USER

Company: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Phone Number(s): \_\_\_\_\_  
 Fax Number: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Printer Make: \_\_\_\_\_  
 Printer Model: \_\_\_\_\_

### INSTALLING DEALER

Company: \_\_\_\_\_  
 Technician: \_\_\_\_\_  
 Location/Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Phone Number(s): \_\_\_\_\_  
 Fax Number: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Date of Installation: \_\_\_\_\_  
 Serial Number: \_\_\_\_\_  
 Age of Printer: \_\_\_\_\_

### Conversion Checklist

- Pre-Conversion Nozzle Check Patterns Printed
- Other test prints printed (applicable to Mimaki and Mutoh only)
- One set of Nozzle Check Patterns and other test prints sent to ElevenTen Color
- One set of Nozzle Check Patterns and other test prints to be retained by End User
- Post-conversion Nozzle Check patterns and test prints printed and checked by technician

Were there any print quality issues prior to conversion?      Yes       No

Were there any print quality issues after conversion?      Yes       No

If there were any issues during the conversion process, please describe: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

In the event that the conversion process encounters any problems, the ElevenTen Color Authorized Technician should call ElevenTen Technical Support at 866.597.1110 (dial 3 at prompt).

### Technical Support Information

For Technical Support after the ink conversion process please contact your reseller representative. The reseller will assist with customer diagnostics and is responsible for contacting ElevenTen Color Tech Support for a warranty related claim. Reseller is solely responsible for the ink installation and conversion. In no event shall ElevenTen Color be liable for any damage arising, directly or indirectly, from improper conversion utilized by reseller, including but not limited to damages arising from improper and inaccurate conversion procedures. The only warranties provided by ElevenTen Color are set forth in ElevenTen Color's Warranty Statement. Reseller is not authorized to make any representations or warranties on ElevenTen Color's behalf as related to any ElevenTen Color products or services. Any information statements, warranties or representations made by a reseller of ElevenTen Color are not warranties or representations for which ElevenTen Color will assume any liability and customer should not rely on any such statements, warranties or representations. In addition, no oral advice or written information given by reseller nor its affiliates, or any of its officers, directors, employees, agents, providers, licensors, or the like, will create a warranty, nor should you rely on any such information or advice.

I have received a copy, read, understand, and agree to terms and conditions listed on this Warranty Registration and Conversion Acknowledgement.

End User Signature, Date \_\_\_\_\_

Authorized Technician Signature, Date \_\_\_\_\_