

## Working with a Scanned Image



In this MasterWorks class we will be using a scanned image and creating a cute frame design. The image was scanned under the tips set forth in the class Tips for Successful Scanning class so it can be helpful to have already taken that class first, but NOT absolutely necessary.

Techniques include:

- Working with the Auto Artwork Wizard
- Saving a BLF file
- Copy and Paste
- Deleting holes
- Creating borders
- Applying stitches
- Sewing order
- Saving in a machine format

**All instructions are written assuming a left mouse click unless otherwise indicated.**

**Steps are the same for MasterWorks™ II & MasterWorks™ unless otherwise indicated. In MasterWorks™ II use the Navigator as needed.**

**The instructions are based on the most current release (Build) of both MasterWorks™ and MasterWorks™ II. Check the Designer's Gallery® website to update your program.**

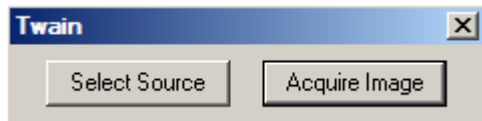
### Table of Contents

Some Scanning Information:.....	2
Bringing in the artwork: .....	2
BLF file-What it is and saving it: .....	5
Creating the design from the Artwork sections:.....	5
Other steps as needed: .....	9
Moving the Sequence View window:.....	9
Using MasterWorks, original version: .....	9

Using MasterWorks™ II program: .....	10
Changing the sewing order: .....	10
Removing extra color stops:.....	11
Changing the IN and OUT points: .....	11
Grouping the sections: .....	12
<b>Saving in a machine format:</b> .....	<b>12</b>
<b>BONUS-Creative design option:</b> .....	<b>12</b>
<b>Additional support materials available:</b> .....	Error! Bookmark not defined.

## Some Scanning Information:

You actually can bring your scanned image in two ways, *Select Image* or *Acquire*. The *Acquire* button looks for the twain device on your computer which is the most common place/way a scanner is installed on computers. There are many brands and models of scanners though, and some of the scanner installation software does not set-up the scanner this way. Sometimes even other software, like digital cameras, will change the device settings. Reinstalling MasterWorks will NOT help this situation; it is something within the specific computer configuration and the scanner.



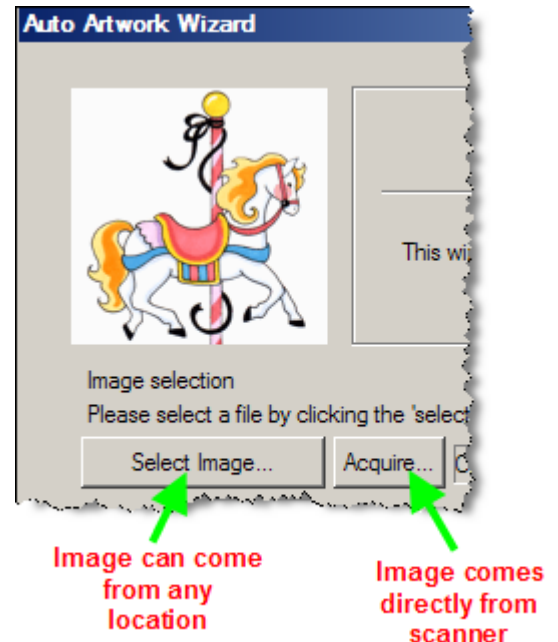
The *Twain* box will appear and *Acquire Image* button will try to auto-detect your scanner. If this button does not automatically find the scanner, then use the *Select Source* button and try to find your scanner location on the computer. If you can't locate your scanner or you get a Twain error, here are a couple of options:

- Contact the scanner company to see if they have a way to set-up their scanner as the default Twain device in your computer.
- Try reinstalling the scanner software in case it has been changed by the installation of other devices and maybe it will 'fix' itself.

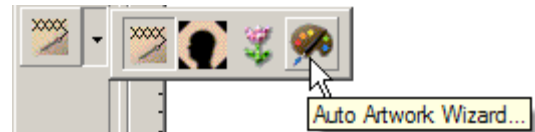
If the Twain device situation can't be changed, you can always open your scanner software separately, scan the artwork/image, and save it in a file. Then use the *Select Image* button to bring the image into MasterWorks as we are doing in this class.

## Bringing in the artwork:

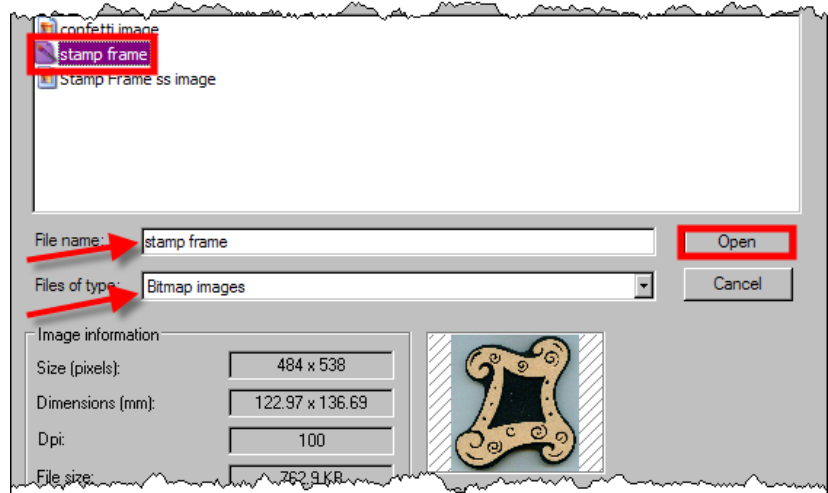
The artwork used for this class is a scan of a purchased ink stamp. It was scanned using 100dpi and under other perimeters discussed in Tips for Successful Scanning class. We are going to use (option one) the *Auto Artwork Wizard* to process the scanned image.



1. Select the **Auto Artwork Wizard** icon from the left tool bar wizard menu.



2. Since the image has already been scanned:
  - a. Click the **Select Image** button and the *Open Image* page will display.
  - b. Select **BMP images** as the *Files of type* if not already selected.
  - c. Find the image called **stamp frame** that was part of the class downloads.
  - d. Select the **Open** button.



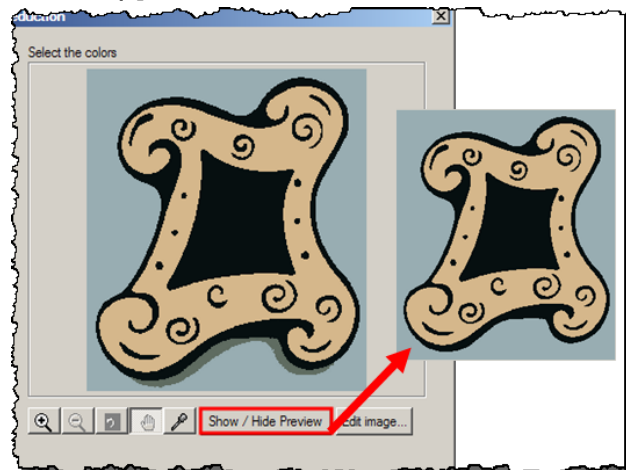
3. Select the **Next** button in the *Auto Artwork Wizard* page.
4. The *Auto Artwork Wizard-Image Transformations* page will display. We do not need to change the size so select the **Next** button.
5. The *Auto Artwork Wizard-Color Reductions* page will display.

- ◆ Notice how the image colors are even and solid-they are no longer the uneven sponge shades.

- ◆ This screen allows us to limit or expand the colors the program can use to detect sections of your image.
- ◆ Each computer may analysis the image slightly different and you may see more colors detected than shown in the screen shot in the handout. We only want 3 specific colored sections: the colors of the stamp [taupe & black] and the background color [slate blue]. Any other colored sections that are detected need to be deleted.



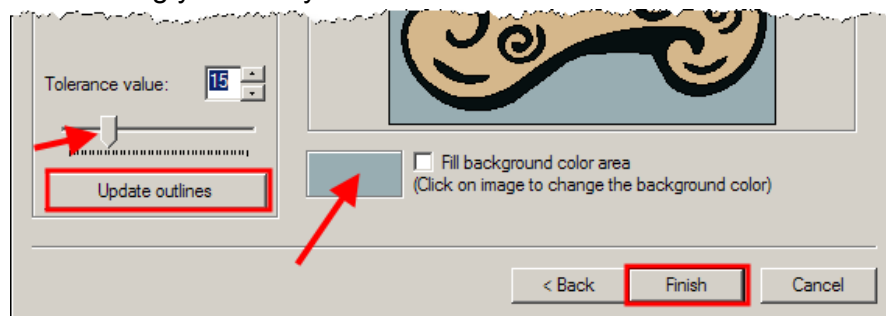
- a. Select the **color you want removed** [our screen shot shows it as #3 created from the shadow of the foam stamp] and select the **Delete** button.
- b. Select the **Show/Hide Preview** button to see how the section is removed. Remove other colors your computer might have detected, if any. You will need to de-select the *Show/Hide Preview* to continue deleting colors.
- c. Select the **Next** button.



6. The *Auto Artwork Wizard-Vectorize* page will display. Since the scan was pretty clean and MasterWorks did such a good job with smoothing out the colors, you will not need to adjust the *Tolerance value* for this image.

♦ The following information is about the *Tolerance value* when needed in a future project:

- ~ Adjusting the *Tolerance value*: helps you get more or less detail.
- ~ Select *Update outlines* button to see the affects of the value change.
- ~ Moving the slider to the right/increasing the number will give you less detail and combine more sections/areas of your design.
- ~ Moving the slider to the left/decreasing the number will give you more detail, if possible, in your design.
- ~ If needed, use the *Back* button to adjust the number of colors recognized.
- ~ Continue making *Tolerance value* changes and *Update outlines* until you have something you think you can 'live with'.

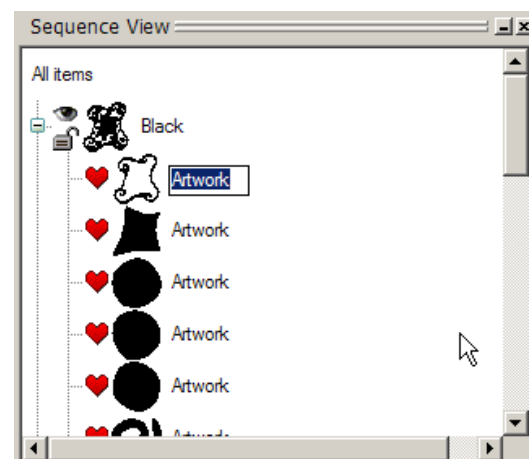


♦ Notice how MasterWorks automatically determined that the blue-grey color was the background for this image.

- ~ If the color is not correct, then click on the color chip or eye dropper icon. Your pointer will become an eye dropper so you can choose the correct color from the image.
- ~ If you want stitches in the background area or the color determined to be background, select the option "*Fill background color area*".

7. Select the **Finish** button when you're ready to move ahead.

♦ Now your artwork sections are displayed in the *Sequence View* and on the work space.




## BLF file-What it is and saving it:

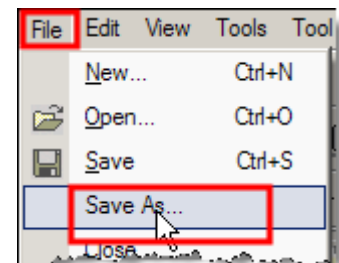
This file is important because it is the working file and will allow you to further edit all sections and stitch information should you need or want to make changes.

- You should ALWAYS save this file format on ALL designs you create.
  - Get into the habit of naming and saving this file from the beginning-even before your stitches have been added-and periodically saving during the digitizing process so if you have a computer or electrical issue your complete design steps will not be lost.
1. Select **File** menu, then **Save As** from the drop down menu.

OR

1. Select the **Save**  icon on the top tool bar.
2. Change the **Save In:** location as needed and **File name:** as desired.
3. Select **Save** button.

*Note you may even want to create a file folder(s) just for your BLF files.*



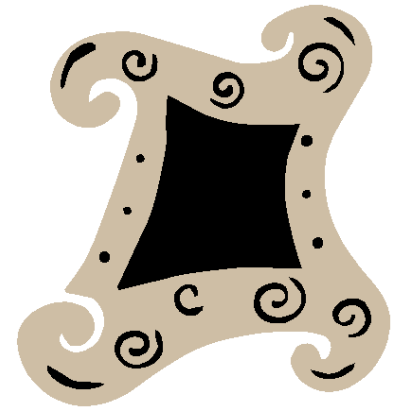
## Creating the design from the Artwork sections:

Note: colors used in the following instructions or screen shots are from the *Madeira Rayon Color Palette* but any colors/palette can be used as desired.

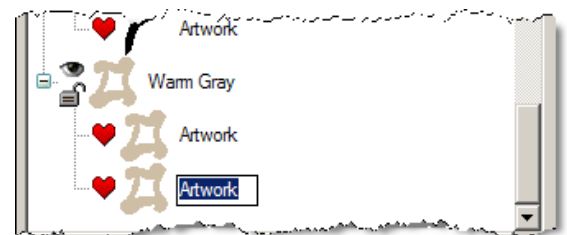
1. We do not want the wide odd shaped black areas on the outside and in the center of the frame for our design. But we're only going to delete the outside because we will use the inside for something else later.
  - a. Select the **outside black area** in the *Sequence View*.



- b. Select **Delete** on your keyboard.
  - ~ After deleting this section, your design will look like the screen shot to the right.



2. We want a second copy of the frame section:
  - a. Select the **main frame section** from the *Sequence View*.
  - b. Select the **Edit** menu, and then **Copy** from the drop down menu.
  - c. Select the **Edit** menu, then **Paste** from the drop down menu. Notice there are now two frame sections in the *Sequence View*. The newest item is at the bottom of the list and is now selected.




*Note: As an alternate to using the Edit menu for Copy & Paste you can also right click in the selected section and choose Copy; right click in the selected section and choose Paste from the pop-up menu.*



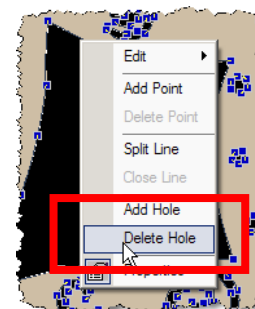
3. We're going to make a solid frame from one of the frames so select either of the Artwork frame sections, if no longer selected. There will be a black box around the frame on your workspace:

- a. Select the **Reform\***  tool from the left tool bar.

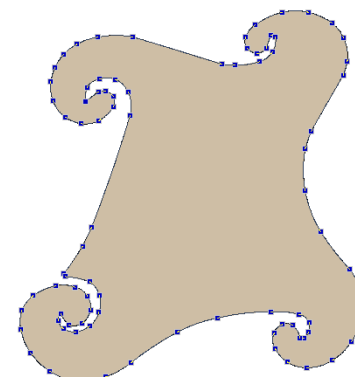
~ The mouse will now look like a solid black arrow head pointer  when on the workspace. Blue boxes [edit points or nodes] will appear around all the selected design sections.


~ \*This tool  is called *Reform* in MasterWorks II and *Shape* in MasterWorks.


- b. Place your pointer near the edge of the center and **right click** on your mouse. Choose **Delete Hole** from the pop-up menu. The center will disappear and be filled in.



- c. Place the pointer near one of the other shaped holes in the frame and **right click**. Choose **Delete Hole** from the pop-up menu. The hole will disappear and be filled in.
- d. **Repeat** for all remaining holes. Your frame should be solid and look like the screen shot on the right.




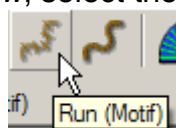
4. Time to save again. Select the **Save**  icon on the top tool bar.
5. In the *Sequence View*, select the **solid frame** you had just filled the hole. Hold

down the **Ctrl** key  on the keyboard and also select the **solid black center**. Use the *scroll bars* as needed.

6. Select **1187 Cherry Red** from the *Madeira Rayon Color Palette* menu.
- ♦ NOTE: If you are using MasterWorks II, you can use the *Color Palette* search feature to help you find the correct color quickly.



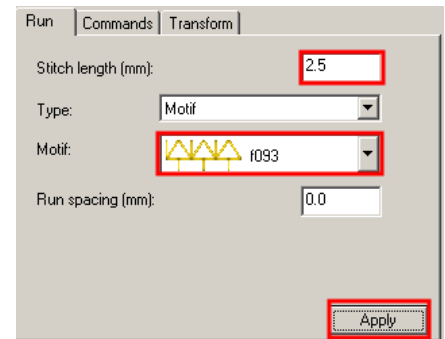
7. Turn on **3D**  using the icon on the top tool bar so you can see your stitches in a more realistic preview.
8. To make the outside border:
- a. In the *Sequence View*, select the **Cherry Red solid frame**.



- b. Choose **Run (Motif)** from the bottom *Stitch Effects* tool bar.

c. Using the *Properties* box make the following changes:

- 1) In the *Motif*: field, choose **f093** from the list.
- 2) Change the *Stitch length [mm]*: to **2.5**.
- 3) Select the **Apply** button.



9. To make the inside border:

a. In the *Sequence View*, select the **Cherry Red square center**.




b. Choose **Run (Motif)** from the bottom *Stitch Effects* tool bar.

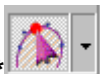
c. Using the *Properties* box make the following changes:

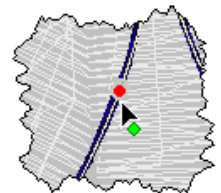
- 1) In the *Motif*: field, choose **f093** from the list.
- 2) Change the *Stitch length [mm]*: to **2.5**.
- 3) Select the **Apply** button.

10. Changing the direction of a Motif line:

- ♦ The *Motif* chosen because it was not symmetrical  so we could use it to get a different effect on the inside border and the outside border. When using a *Motif* for a line, you change the way the stitches form by moving the *IN* & *OUT* points on the line.
- ♦ MasterWorks & MasterWorks II often path *Run (Motif)* stitches differently so the following steps may or may not be needed to 'flip' the *Motif* so it looks like the screen shot below. Also, if you were to select both of the areas at the same time, the programs would often route/'flip' the patterns differently as well.
- ♦ How to 'flip' the *Motif* line pattern is important to know for future projects even if it is not needed for this design. We're using the inside border for this step as an example.

1) Select the **inside border** using the *Sequence View*.

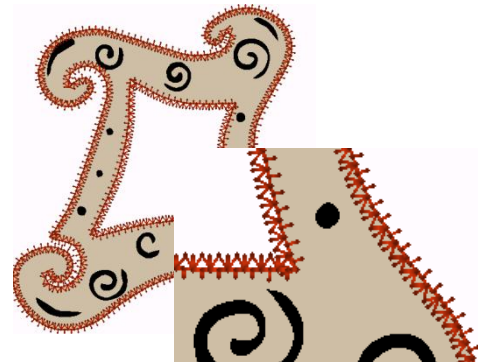
2) Select the **Reform\***  tool. Notice that now besides the blue squares we saw when we used this tool previously, there is also a red and green dot.




- ~ The green dot is the *IN* point, where sewing starts in the selected section.
- ~ The red dot is the *OUT* point, where the sewing ends in the selected section.
- ~ Note: if you do not see the green dot (*IN* point), it is under the red dot. When your pointer is near the *IN* or *OUT*, there will be a dot next to the pointer so you'll know what you are moving.

3) **Click & drag** the **green dot** to another place along the edge.

4) Since our line is continuous it makes sense the starting and stopping place are the same. **Click & drag** the **red dot** so that it is in the same position as the green dot.



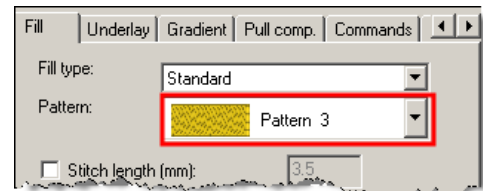
- 5) Select the **Apply** button in the properties box process the change.
- 6) If the line *Motif* stitches do not 'flip' the other way, repeat steps 4-6.
- 7) If your inside border Motif was already ready facing the correct direction (opposite from the outside border as our screen shot shows) then click the *Undo*  icon on the top tool bar as many times as needed.

#### 11. Filling the main frame section:

- a. Select the **frame section** in the *Sequence View* and change the color to **1084 Medium Ecu** from the *Madeira Rayon Color Palette* menu.




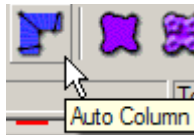
- b. Choose **Standard Fill** icon from the bottom *Stitch Effects* tool bar.
- c. In the *Pattern:* field, choose **Pattern 3**.
- d. Select the **Apply** button.



#### 12. Time to save again. Select the **Save** icon on the top tool bar.

#### 13. Filling the confetti sections:

- a. While holding down the **Ctrl**  on your keyboard, select a few of the confetti sections in the *Sequence View*.
- b. Change the color to **1282 Moss** from the *Madeira Rayon Color Palette* menu.



- c. Select **Auto Column** icon from the bottom *Stitch Effects* tool bar to apply stitches.



- d. Hold the **Ctrl** key down again and select a few more confetti sections using the *Sequence View*.
- e. Change the color to **1137 Orange Yellow** from the *Madeira Rayon Color Palette* menu.



- f. Select **Auto Column** from the bottom *Stitch Effects* tool bar to apply stitches.





- g. Hold the **Ctrl** key down again and select a few more confetti sections using the *Sequence View*.
- h. Change the color to **1028 Baby Blue** from the *Madeira Rayon Color Palette* menu.



- i. Select **Auto Column** from the bottom *Stitch Effects* tool bar to apply stitches.




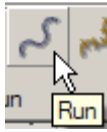
- j. Hold the **Ctrl** key  down again and select the last few confetti sections using the *Sequence View*.
- k. Change the color to **1187 Cherry Red** from the *Madeira Rayon Color Palette* menu.
- l. Select **Auto Column**  from the bottom *Stitch Effects* tool bar to apply stitches.

14. Time to save again. Select the **Save**  icon on the top tool bar.

15. Creating the final borders:

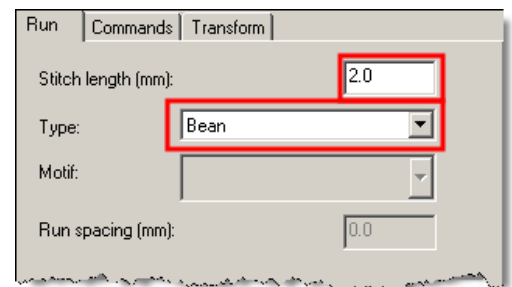
Our frame would look nicer with a little border to finish the edge.

- a. While holding down the **Ctrl** key , select the **first two Cherry Red border sections**.
- b. **Right click** and select **Copy** from the menu.
- c. **Right click** and select **Paste** from the menu.
- d. With the new copied borders still selected, select



**Run** from the bottom *Stitch Effects* tool bar.

- e. In the properties box, change the *Type*: to **Bean** and the *Stitch length (mm)*: **2.0**.
- f. Select the **Apply** button.



## Other steps as needed:

Often there are steps such as changing the sewing order, managing the color stops and managing the IN and OUT points that will make a better and more efficient stitch out...and give you a much more professional design. Let's see how those options affect our design.

### ***Moving the Sequence View window:***

Moving the Sequence View window can be helpful so you can see more of the items listed, have to scroll less and will make it easier to change the order. This is optional based on how you like to work.

- The windows will reset to default when the program is closed.

### **Using MasterWorks, original version:**

1. You can move the *Sequence View* over to the work space by **Clicking & Dragging** on the **title bar** (where it says "*Sequence View*") lines and moving it **to the left**. This will allow the *Sequence View* to expand so you can see more/all of the sections in the design.



2. To move it back into place, **Click & Drag** the **title bar** lines and move it **back to the right**, under the *Color Palette*.

### Using MasterWorks™ II program:

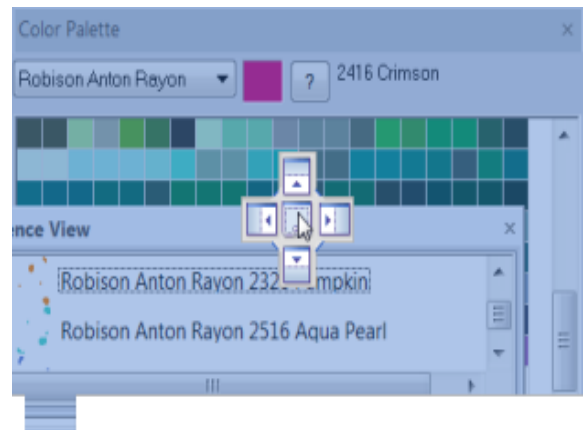
You can stack or Tab the Sequence View with the color Palette and/or Properties box(es).

1. **Click & Drag** on the *Sequence View* **title bar** and place your pointer over the floating



**Tab** icon that pops up.

- ◆ Notice the blue-grey shaded tab area-this represents where the box will be placed.

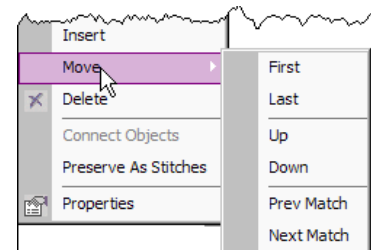


### Changing the sewing order:

**Note:** It is very important to change the sewing order/section layering **BEFORE** you color sort your design.

- \* You will not know where the extra color stops are unless the sewing order is final.
- \* The automatic Color Sort feature decides whether it can combine colors based on layering of the colors the sewing order.

- MasterWorks & MasterWorks II handle the sewing order and assigning IN & OUT points differently when stitches and color are added so the sections will be in different places depending what program version you're using. Also your sewing order will vary due to what sections of the confetti you chose when assigning color & stitches. For that reason, check your design & Sequence View before each step to see if you need the change in your specific design.
- There are two ways to change the sewing order:
  - ◆ Drag & Drop method:
    - ~ In the *Sequence View*, select the section or color you want moved.
    - ~ Left click & drag up or down in the *Sequence View* to the desired location.
  - ◆ Right click menu method:
    - ~ Select the section or color you want moved.
    - ~ Right click, and then select **Move**. Choose from the sub-menu options of *First*, *Last*, *Up*, *Down*, *Prev Match*, *Next Match*.




1. Moving the main frame section:
  - a. Select the **Medium Ecru frame** section from the *Sequence View*.
  - b. **Right click** and select **Move**, then **First** from the pop-up menu.
2. Moving the decorative border sections:

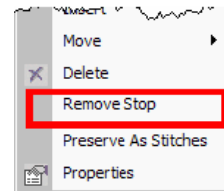
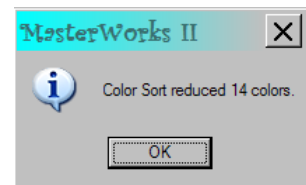


- a. Hold down the **Ctrl** key and select the **Motif borders, both inside and outside** sections from the *Sequence View*.
- b. **Right click** and select **Move**, then **First** from the pop-up menu.

### Removing extra color stops:

There are extra color stops not needed due to the sections we added and how we changed colors.



- There are two options to remove the extra color stops:
    - ◆ Using the *Color Sort* option. This option can be the quickest if you have more than one extra stop to be removed, like in our design, so we will use this one:
1. Select **All items** from *Sequence View*.
  2. Select the **Color Sort**  icon from the top tool bar.
  3. Click the **OK** button in the *Color Sort reduced* box.
    - ◆ Notice all the same colored sections are now grouped together, but the first Cherry Red *Motif* borders are still at the top.
    - ◆ Notice how the other Cherry Red sections are last because the *bean stitch Run* outline was at the bottom.
    - ◆ Pop-up menu option:
      - ~ *Right click* on the extra stop you want removed.
      - ~ Select *Remove Stop* from the pop-up menu.




### Changing the *IN* and *OUT* points:

By changing the *IN* and *OUT* points of the sections in the same color change you will get a more efficient stitch out with possible less jump stitches. This can also save time when stitching.

How many you will need to change will depend on your design and sewing order. For our lesson we will just talk about changing the *IN* and *OUT* points for the last Cherry Red borders.

1. Select the **last Cherry Red Column confetti** section from the *Sequence View*.
2. Select the **Reform\***  tool. Notice where the *OUT* point is for the selected section.
3. Select the **first Run Cherry Red border** section from the *Sequence View*.
4. Select the **Reform\***  tool.

5. **Click & drag** the **IN** point so it is closer to the **OUT** point from the previous *Column* section. Since this section is a continuous stitched line, then also **click & drag** the **OUT** point to the same place as the **IN** point.
6. Click the **Apply** button in the *Properties* box.
7. Select the **last Run Cherry Red border** section from the *Sequence View*.
8. Select the **Reform\***  tool.
9. **Click & drag** the **IN** point so it is closer to the **OUT** point from the previous *Run* border section. Since this section is a continuous stitched line, then also **click & drag** the **OUT** point to the same place as the **IN** point.
10. Click the **Apply** button in the *Properties* box.


### Grouping the sections:

By grouping all the sections into one unit, if you decide to resize at a later date, then all areas will resize at the same time.

1. **Right click** the **All items** from the *Sequence View*.
2. Choose **Group** from the pop-up menu.

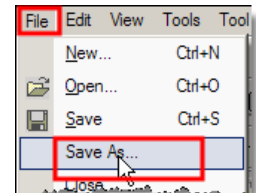


### Saving in a machine format:

1. First we want to save our most recent changes in our BLF file so select the **Save**  icon on the top toolbar.

2. Select **File** menu, then **Save As** from the drop down menu.



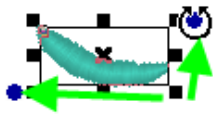
3. Change the **Save In:** location as needed; change the **Save as type:** to the machine format needed; and change the **File name**, if desired. Remember you want to choose the design format your machine will read. You can also put your design on a floppy, USB memory stick or even send directly to the machine depending on your brand and/or model of machine.



### BONUS-Creative design option:

You may want to create a 'loose confetti' design to use with the frame and in other projects. It is easy with MasterWorks. The following are the general steps needed to create the confetti design.



1. Select the **New**  icon from the top tool bar to open a new page.
2. Select the original workspace page/tab.
3. **Select** the desired **confetti sections** from the *Sequence View* or workspace while holding down the **Ctrl** key .
4. **Copy** the section **and** then **Paste** into the new design page using either the menu or right click method. Specific *Copy & Paste* instructions can be found on page 5 & 6 of this handout. Notice how the elements are in the same position they were in the original page.
5. **Save** the design page with a new name. Specific instructions for saving a new design can be found on page 5 of this handout.
6. Optional, repeat **steps 2-4** for additional elements [dots, curls, etc.] in your confetti as desired.
7. Right click the **All items** from the *Sequence View*. Choose **UnGroup** from the pop-up menu.
8. **Arrange** items as desired.
9. Optional, change colors in the elements.
10. Optional, you can also rotate the sections of the confetti. Use the *rotating handles* by placing your mouse over the blue dots. When your pointer turns into a circular arrow, **Click & Drag** the box to the desired angle. .
11. Rearrange the **sewing order** and/or use **Color Sort** for a more efficient stitch out.
12. Do a final **Save** in the BLF format and **Save As** into your machine format.



Education by Baby Lock & Designer's Gallery

### Suggested Companion Products for this Sew at Home Class:

MasterWorks II  
 MasterWorks II upgrade  
 Exploring MasterWorks II Learning Guide  
 MasterWorks II Workbook on DVD

EDG-M2  
 EDG-M2TT  
 SAHLG-  
 EMW2  
 STWB-MW2