

## VJ-2638/1638/1638W OPERATION MANUAL ERRATA

Some contents of the Operation Manual are changed. Please see the following list.

**TIP**

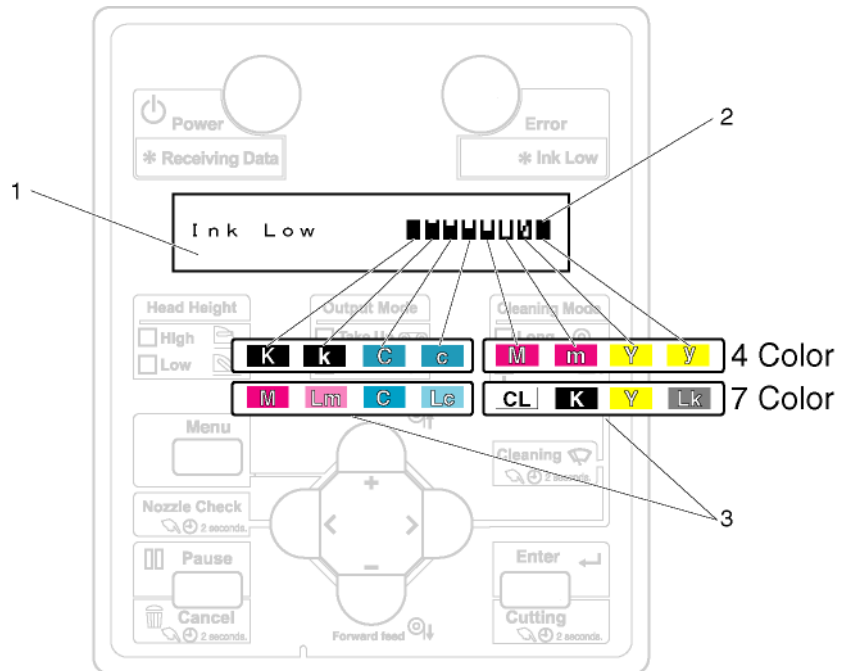
- The content of this documents are being based on the firmware version later than Ver.3.06

Chapter	Item	Description	Revision History
Chapter 2	Modified the illustration in "2.2.4 Ink level indicator"	Refer to sheet 3	03a
Chapter 3	Revised the descriptions in "3.3.1 When using 220ml Ink cartridges"	Refer to sheet 4	03a
	Revised the descriptions in "3.3.2 When using 440ml Ink cartridges (VJ-2638/1638)"	Refer to sheet 4	03a
	"3.4.3 Setting the User Type Setting"	(Step 3) Revised the "NOTE" description. <ul style="list-style-type: none"> <li>• If the following operations are performed in the User Type Setting menu, the printer starts media initial operation without changing the User Type setting.               <ul style="list-style-type: none"> <li>➤ Pressing the [Cancel] key on Operation panel.</li> <li>➤ No keys on Operation panel are pressed for 30 seconds.</li> </ul> </li> </ul>	03b
	Added the description in "3.5.6 Head adjustment"	Refer to sheet 5-6	03a
	Changed the adjustment method in "3.6 Print quality adjustment"	Refer to sheet 7	03a
Chapter 4	4.3.2 Panel setup menu overview	Refer to sheet 8	03e
Chapter 5	5 Panel setup menu	Refer to sheet 8	03e
	Added the menu in "5.1.1.1 User Type advanced setup menu"	Refer to sheet 8	03a
	Added "5.1.1.1.8 Media thickness menu"	Refer to sheet 8	03a
	Added "5.1.1.1.9 UserCopy menu"	Refer to sheet 9	03a
	Added "5.1.6.2 Page Gap menu".	Refer to sheet 9	03c

Chapter 5	"5.1.17.1 Roll Length menu"	Changed the maximum roll length. • 1m to <30m> to 200m	03b
	Added "5.1.17.2 Print Stop menu".	Refer to sheet 10	03d
	"5.1.20 CR Maintenance menu"	Added the following operation. • Perform the pumping operation (start/stop) by pressing the "-" key while displaying "CR Mainte.: End".	03b
	Added "5.1.29 Start Feed menu".	Refer to sheet 10	03c
Chapter 6	Added the description of seven-color setting in "6.1.1 Replacing Ink cartridges"	Refer to sheet 4	03a
Chapter 7	7.2.1 Status messages	Refer to sheet 11	03e
	7.2.2 Message type error display and remedies	Refer to sheet 11	03e
Chapter 9	Modified the diagram in "9 Setup menu diagram"	Refer to sheet 12-14	03d
	Modified the diagram in "9 Setup menu diagram"	Added "CR Maintenance menu" Refer to sheet 15	03e

### 2.2.4 Ink level indicator

The following illustration is modified.



No.	Name
1	LCD display
2	Ink level indicator
3	Ink color

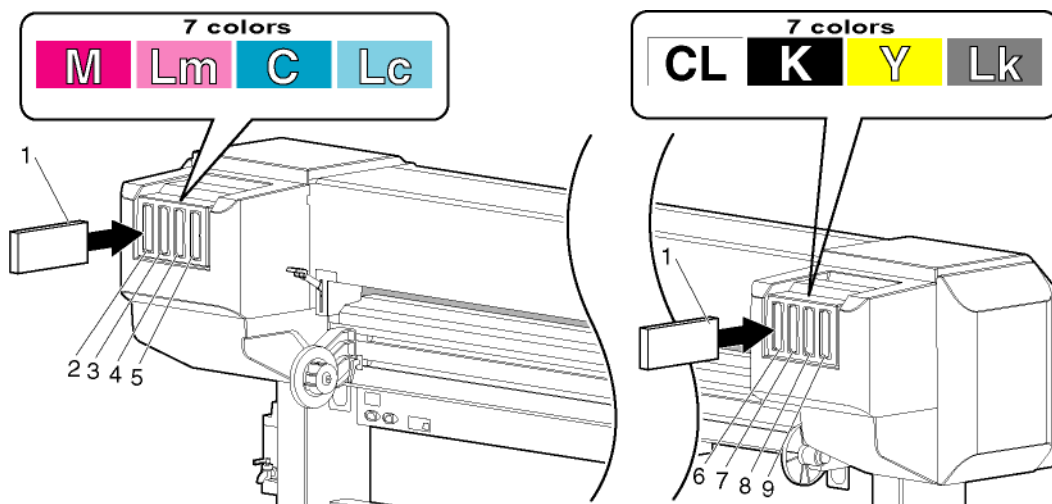
### 3.3.1 When using 220ml Ink cartridges

### 3.3.2 When using 440ml Ink cartridges (VJ-2638/1638X)

#### 6.1.1 Replacing Ink cartridges

See the following changes.

- You can use four-color or seven-color ink cartridges for VJ-2638.
- When using seven colors, you need the following cartridges.
  - Magenta (M): 1 cartridge
  - Light Magenta (Lm): 1 cartridge
  - Cyan (C): 1 cartridge
  - Light Cyan (Lc): 1 cartridge
  - Cleaning Liquid (CL): 1 cartridge
  - Black (K): 1 cartridge
  - Yellow (Y): 1 cartridge
  - Light Black (Lk): 1 cartridge
- For seven-color setting, the ink cartridge position is as follows (same position as for using 440ml cartridges).



No.	Name	Four colors	Seven colors
1	Ink cartridge slot 1	Black (K)	Magenta (M)
2	Ink cartridge slot 2	Black (k)	Light magenta (Lm)
3	Ink cartridge slot 3	Cyan (C)	Cyan (C)
4	Ink cartridge slot 4	Cyan (c)	Light cyan (Lc)
5	Ink cartridge slot 5	Magenta (M)	Cleaning liquid (CL)
6	Ink cartridge slot 6	Magenta (m)	Black (K)
7	Ink cartridge slot 7	Yellow (Y)	Yellow (Y)
8	Ink cartridge slot 8	Yellow (y)	Light black (Lk)

### 3.5.6 Head adjustment

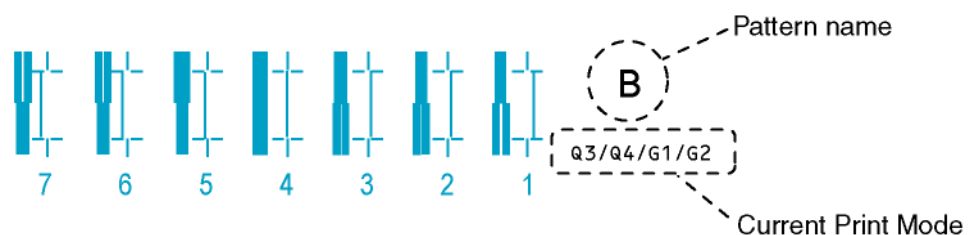
The following descriptions are added to the operation manual.

You can print out the adjustment pattern in this menu to check the misalignment between the print heads, and then adjust it.

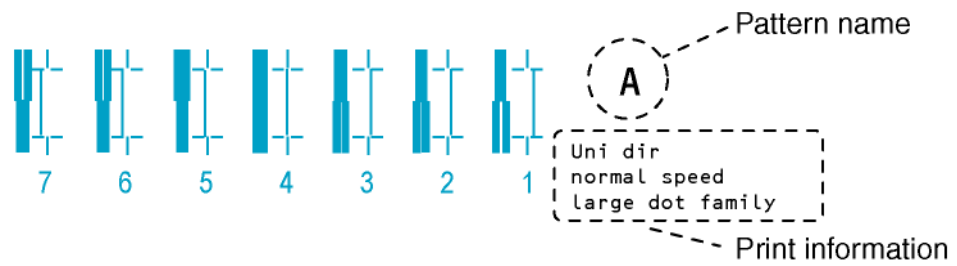
Adjustment	Description
Standard	Adjustment is performed only for the print mode set by the current User Type.
Custom	Adjustment is performed for all print modes that can be set by the current User Type.

1. Turn ON the printer and load the roll media.
2. Follow the procedure below to display the menu.
  - a. Press the [Menu] key.
    - " Menu 1: Setup>" will be displayed first.
  - b. Press the [-] key to select "Menu 2: Test Print>"
  - c. Press the [>] key.
    - "Test1: Nozzle Check" will be displayed first.
  - d. Press the [+] key to select "Test 6: HeadAdjust>".
  - e. Press the [>] key.
    - "HeadAdj.1: Standard" will be displayed first.
    - If you want to select "Standard", go to the procedure 3.
    - If you want to select "Custom", go to the procedure f.
  - f. Press the [+] key to select "HeadAdj.2: Custom"
  - g. Press the [Enter] key.
  - h. Press the [+] or [-] key to select from "Adj.1: AdjustALL" to "Adj.7: AdjustPatternF".
    - "AdjustALL" performs the head adjustment for all patterns.
    - If you are not sure which print mode will be used in RIP, select "AdjustALL".
3. Press the [Enter] key.
  - The printer starts printing the adjustment pattern.
  - The panel displays "Pattern B: 4 (for example)".
  - The pattern name differs depending on the print mode.

#### Example of Standard adjustment pattern



### Example of Custom adjustment pattern



4. Check the print results that looks most aligned between one and seven.
  - when the line is aligned, the bold line on its left side does not have a white vertical line.

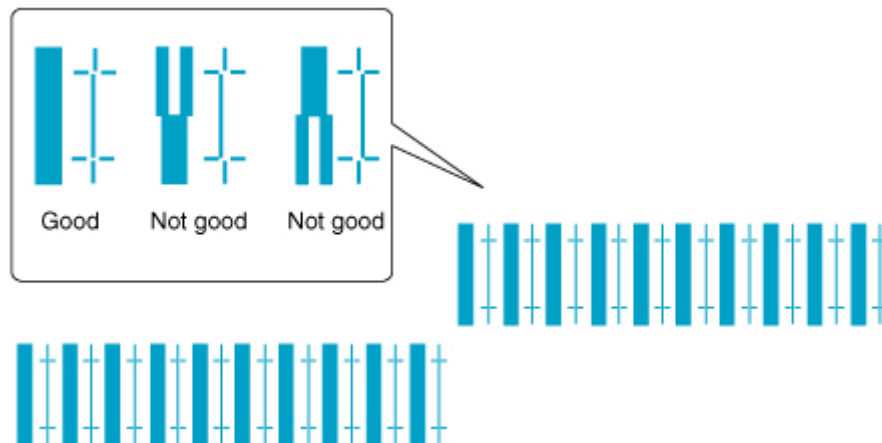


5. Press the [+] key or [-] key on Operation panel to enter the number that you selected in Step 4.
6. Press the [Enter] key to determine the setting.

### 3.6 Print quality adjustment

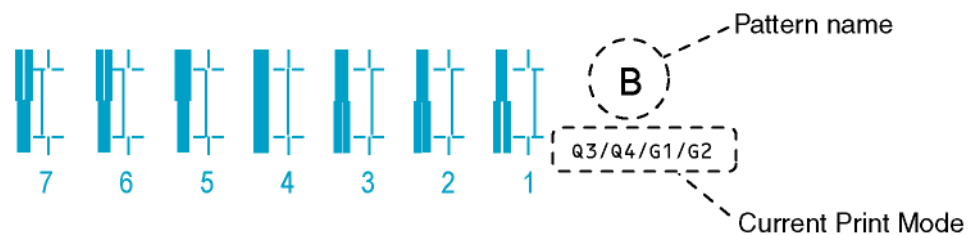
See the following changes.

- The function to enter the media thickness is added.  
Select “\*\*>2: Adjust Print>” and press the [>] key. “Thickness 170 $\mu$ m” will be displayed.  
Press the [+] or [-] key to enter the media thickness from 80  $\mu$ m to 2800  $\mu$ m and then press the [Enter] key. For the following procedure, see the operation manual.
- Confirmation pattern and Adjustment pattern are changed.
  - When the line is aligned, the bold line on its left side does not have a white vertical line.

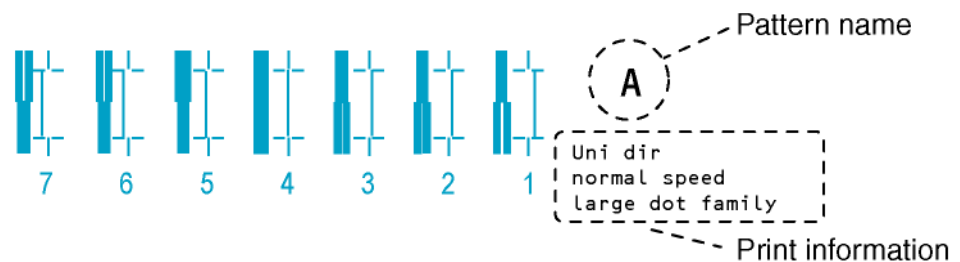


- In the “Custom Rough pattern”, A-F patterns can be adjusted individually.  
Press the [Enter] in “Adj.Print2: Custom” and select from “Adj.3: RoughPatternA” to “Adj.8: RoughPatternF”.  
Select “Adj.2: Rough ptn. ALL” to print all patterns.
- The print information will be printed on the right side of the pattern.

#### Example of Standard adjustment pattern



#### Example of Custom adjustment pattern



### 4.3.2 Panel setup menu overview

The following menu is added to the list.

Setup item	Description
CR Maintenance (Displayed only when using Ultra Value ink)	Performs maintenance.

## 5 Panel setup menu

The following menu is added to the list.

Setup item	Description
CR Maintenance (Displayed only when using Ultra Value ink)	Performs maintenance. ☞ 5.1.20 CR Maintenance menu

### 5.1.1.1 User Type advanced setup menu

The following menu is added to the list after "Vacuum Fan".

Setup item	Setting	Description
Type 1 - Type 15	Media Thickness	Set the media thickness that you use. [Enter] key: shifts to the sub menu.
	UserCopy	Copies the setting values of the user type currently selected to a different user type collectively. [Enter] key: shifts to the sub menu.

#### 5.1.1.1.8 Media thickness menu

Set the media thickness that you use.

Once the media thickness is entered, print quality is automatically adjusted.

Setup item	Setting	Description
Media Thickness	80µm to <170µm> to 2800µm	Enter the thickness of the media you are using in increments of 10µm.
	-	[Enter] key: saves the setting and shifts to the previous menu. [Cancel] key: cancels the setting and shifts to the previous menu. ☞ 5.1.1.1 User Type advanced setup menu

#### NOTE


- This menu is to automatically adjust print quality to a certain extent. If you want to improve print quality, manually adjust it. ☞ 3.6 Print quality adjustment
- There is no problem even if you adjust print quality without setting the media thickness.



### 5.1.1.1.9 UserCopy menu

Copies the setting values of the user type currently selected to a different user type collectively. The following setting values are copied.



- Print mode
- Effect
- Adjustment value for the adjustment print
- Feed compensation (initial adjustment printing length, initial adjustment value, micro adjustment value)
- Pre-heater/Platen/Dryer(2638/1638X only)
- Vacuum Fan
- Media Thickness

Setup item	Setting	Description
UserCopy	<1> - 15, ALL	<ul style="list-style-type: none"> <li>• The setting values of the current user type are copied to the selected user type.</li> <li>• When you have selected ALL, the setting values of the current user type are copied to the all other user types.</li> </ul>
	When user type is set to 1: <2> to 15, ALL	<ul style="list-style-type: none"> <li>• [Enter] key: saves the setting and shifts to the previous menu.</li> <li>• [Cancel] key: cancels the setting and shifts to the previous menu.</li> </ul>
	-	<ul style="list-style-type: none"> <li>• [Enter] key: saves the setting and shifts to the previous menu.</li> <li>• [Cancel] key: cancels the setting and shifts to the previous menu.</li> </ul>  5.1.1.1 User Type advanced setup menu

### 5.1.6.2 Page Gap menu

When "Output Mode" is set to "Take up", the menu is shifted to "Page Gap".

In the Page Gap menu, you can change the margin setting between images.




Setup Item	Setting	Description
Page Gap	<Normal>	The margin setting between images is same as the previous specification.
	Narrow	The margin setting between images is smaller than Normal.
	-	<ul style="list-style-type: none"> <li>• [Enter] key: saves the setting and shifts to the next menu.</li> <li>• [Cancel] key: cancels the setting and shifts to the previous menu.</li> </ul>  Operation Manual "5.4.6.1 Ink Dry Time menu"  Operation Manual "5.1.6 Output Mode menu"

### 5.1.17.2 Print Stop menu

You can set whether or not to display “Roll Remain Error” and pause printing when the length of the roll media that is counted inside the printer becomes 0.



#### NOTE

- Normally you can set this as “Off” as the rear sensor detects when the roll paper is finished.
- If you are using the roll media that does not come off the paper core easily when it is finished, printing may not be paused when the roll media is finished, if the print pause menu is set to “Off”. If this happens, set this to “On”.
- When “Roll Remain Error” or “Roll Near End” has occurred while the Print Pause menu is set to “On”, if you lower the media set lever after replacing to the new roll media, the Roll Media Length Setting menu is displayed. Enter the length of the roll media you have set.

Setup Item	Setting	Description
Print Stop	<Off>	The roll media remaining count is not used to judge for pausing printing. Printing pauses when the rear sensor responds. <ul style="list-style-type: none"> <li>• [Enter] key: saves the setting and shifts to the sub menu.</li> </ul>  Operation Manual “5.1.18 Exhaust Fan menu”
	On	Even when the rear sensor does not respond, printing pauses when the roll media remaining count becomes 0. <ul style="list-style-type: none"> <li>• [Enter] key: saves the setting and shifts to the sub menu.</li> </ul>  Operation Manual “5.1.17.3 Near End menu”
	-	<ul style="list-style-type: none"> <li>• [Cancel] key: cancels the setting and shifts to the previous menu.</li> </ul>  Operation Manual “5.1.17 Roll Length menu”


### 5.1.17.3 Near End Menu

You can display “Roll Near End: \*m” (\* is replaced with a number between 1 and 10) before the length of the roll media that is counted inside the printer becomes 0.

Setup Item	Setting	Description
Near end	<Off>	“Near end” is not displayed.
	Remain: 10 m to 1 m	“Near end” is displayed when the remaining count for the roll media becomes the length you selected.
	-	<ul style="list-style-type: none"> <li>• [Enter] key: saves the setting and shifts to the previous menu.</li> </ul>  Operation Manual “5.1.17 Roll Length menu” <ul style="list-style-type: none"> <li>• [Cancel] key: cancels the setting and shifts to the previous menu.</li> </ul>  Operation Manual “5.1.17.2 Print Stop menu”

### 5.1.29 Start Feed Menu

When Start Feed is set, before printing, the printer rewinds or feeds the media the amount specified by the set value.

Setup Item	Setting	Description
Start Feed	-10mm to <0mm> to 500mm	Sets the amount to rewind or feed the media before printing starts. <ul style="list-style-type: none"> <li>▪ Value over 0: Feeds the media (with a wider margin before printing starts).</li> <li>▪ Value equal to 0: Neither rewinds nor feeds the media.</li> <li>▪ Value below 0: Rewinds the media.</li> </ul>
	-	<ul style="list-style-type: none"> <li>▪ [Enter] key: saves the setting and shifts to the previous menu.</li> <li>▪ [Cancel] key: cancels the setting and shifts to the previous menu.</li> </ul>  Operation manual "5.1 Setup menu"



#### NOTE

- With take-up system: if you want to set "Start Feed" to below 0, set "Page Gap" to "Narrow".  
If not, the Start Feed setting is not reflected properly.

 "5.1.6.2 Page Gap menu"

### 7.2.1 Status messages

The following menu is added to the list.

No.	Display	Description	Reference
24	Perform CR Maint.	Clean Cleaning wiper, circumference of Print head etc.  Daily Maintenance when using VJ-ULVA Ink (attached sheet)	 5.1.20 CR Maintenance menu

### 7.2.2 Message type error display and remedies

The following menu is added to the list.

No.	Display	Description	Remedy	Reference
39	Ink Config Error	An improper Ink cartridge / IC chip is inserted.	Contact your local MUTOH dealer.	-

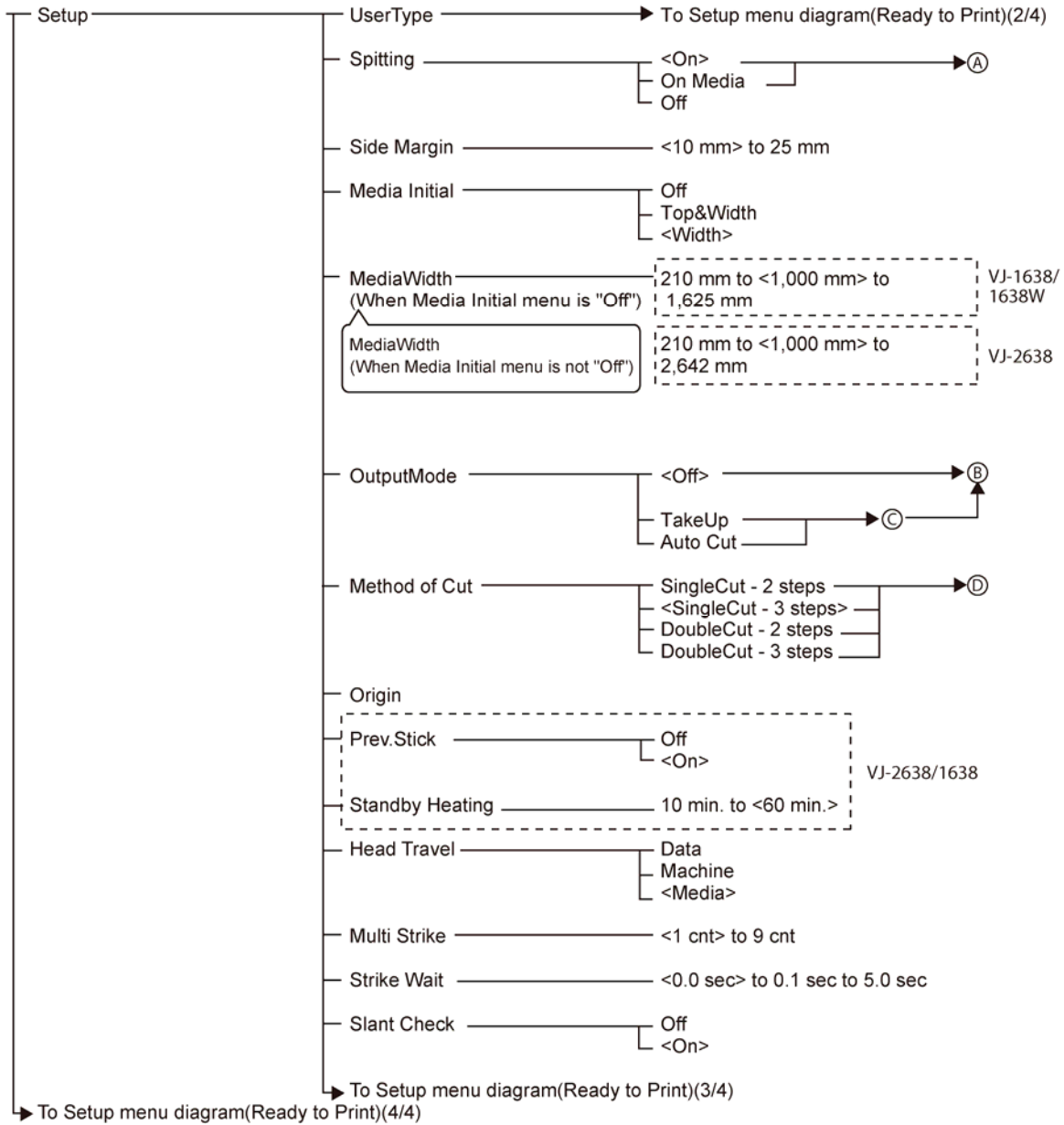
### 8.1.1 Printer specifications

The specification description in the following item is changed.

Items		Specification		
Model name		VJ-1638W	VJ-1638	VJ-2638
Ink	Cartridges	Black, Cyan, Magenta, Yellow: 220ml ± 5ml each	Black, Cyan, Magenta, Yellow (for four colors), Light Black, Light Cyan, and Light Magenta (for seven colors): 220ml ± 5ml each or 440ml ± 5ml (1000ml ± 5ml when the optional High-capacity ink pack adapter is used)	

# Setup menu diagram (Ready to Print) (1/4)

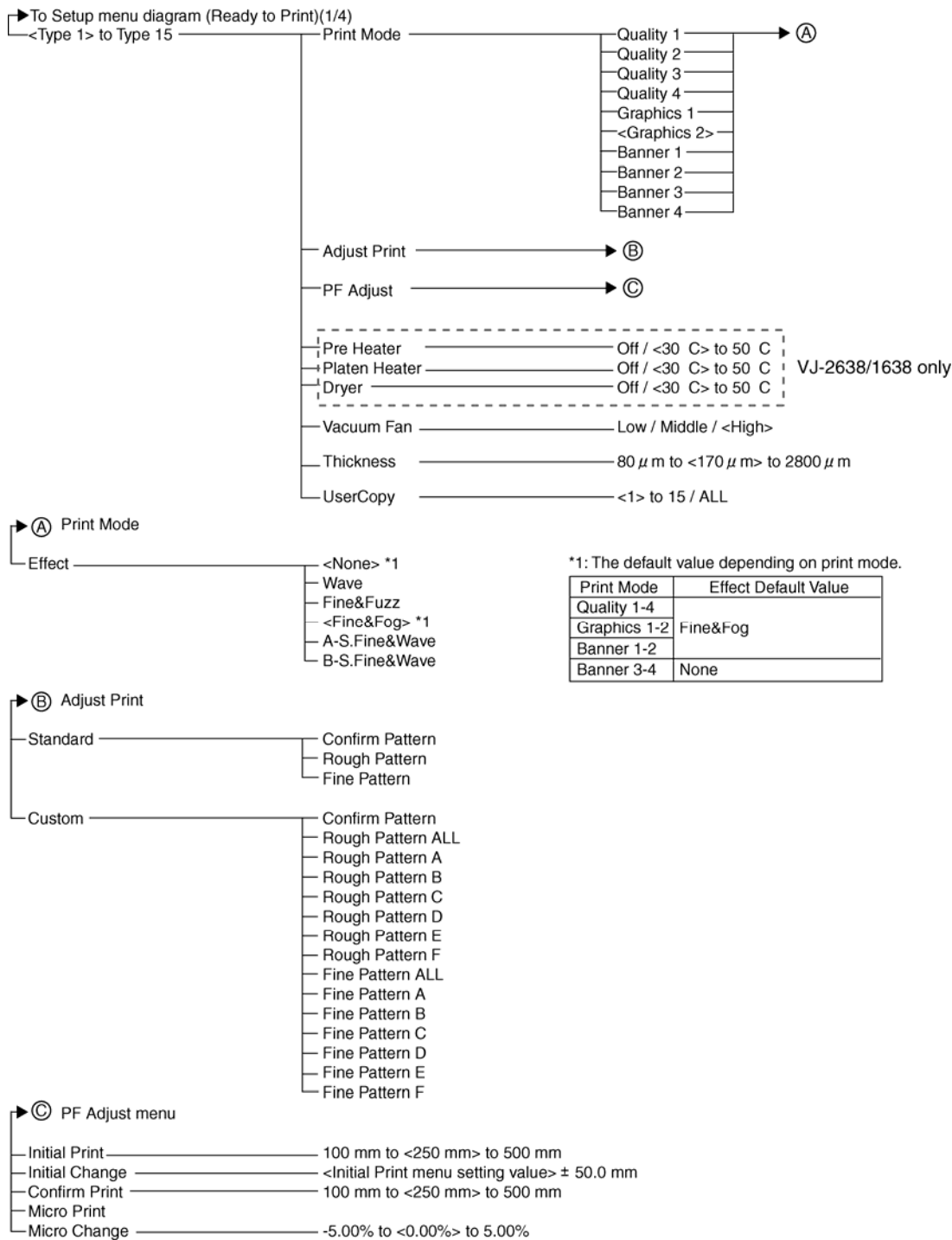
The following diagram is modified.



- ➔ (A) Spitting menu
  - Pass Count ————— <1 Cnt> to 999 Cnt
- ➔ (B) Output Mode/Page Gap menu
  - Ink Dry Timer ————— <0 Sec> to 60 min
- ➔ (C) Output Mode menu
  - Page Gap ————— <Normal>
    - Narrow
- ➔ (D) Method of cut menu
  - Cut pressure ————— Low
    - <High>

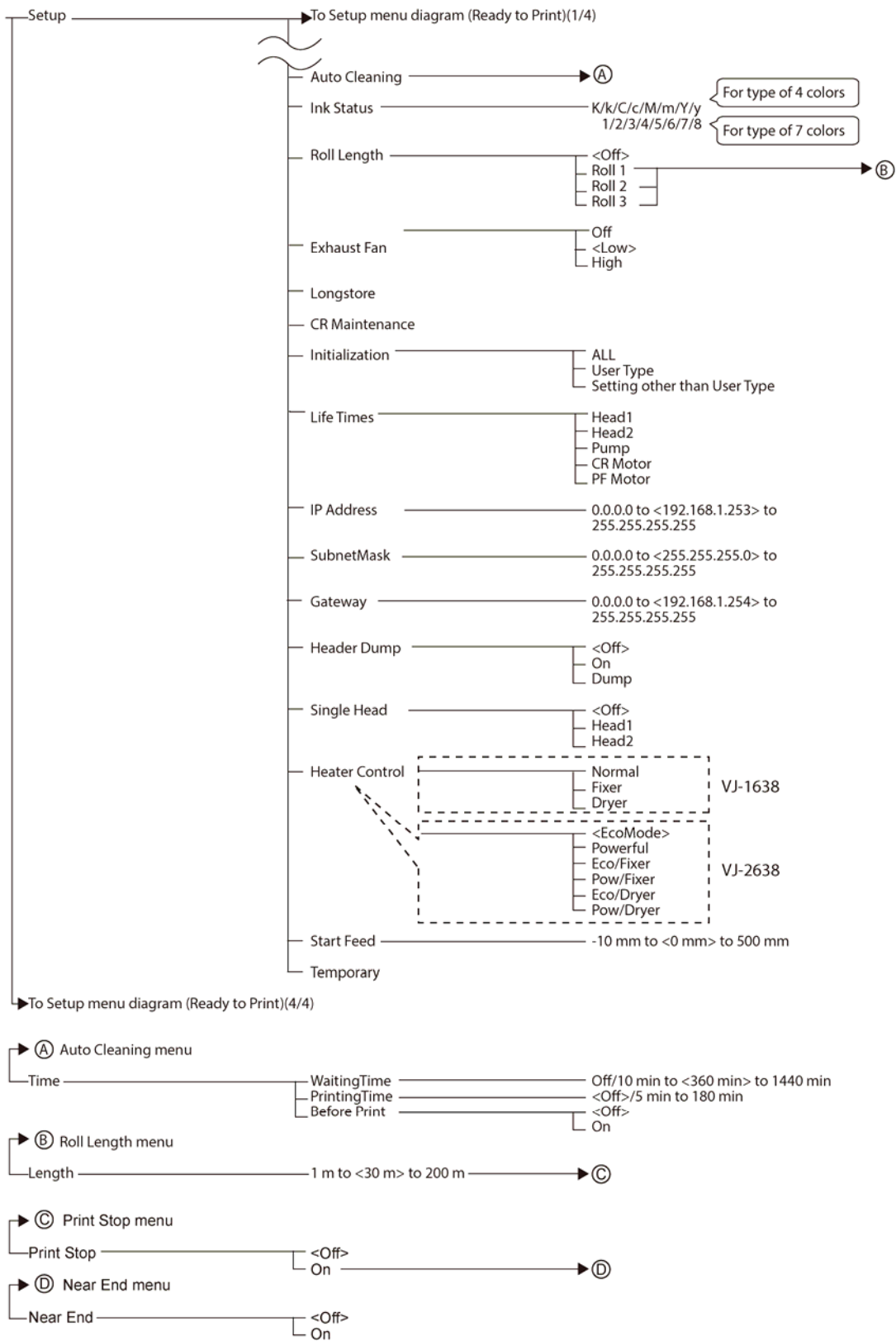
# Setup menu diagram (Ready to Print) (2/4)

The following diagram is modified.



# Setup menu diagram (Ready to Print) (3/4)

The following diagram is modified.



# Setup menu diagram (Ready to Print) (4/4)

The following diagram is modified.

