

## 5-3. Menu of #ADJUST

### 5-3-1. PRINTadjust2

This function is used to adjust the relative dot positions between heads after the nozzle BKT has been replaced.

#### [Function]

Corrects the dot shot timing between heads into the X and Y directions based on black of the Head 1.

Correction items and units entered are shown below.

	X PRINT	Y SINGLE	Y REPEAT	Y BI-D
between heads colors 1 - 2	1 dot units	0.1 dot units	0.1 dot units	none
colors 1 - 3	1 dot units	0.1 dot units	0.1 dot units	none
colors 1 - 4	1 dot units	0.1 dot units	0.1 dot units	none
colors 1 - 1	none	none	none	0.1 dot units



- When this operation is executed, the adjustment values of the "PRINTadjust" which is open to the user become the initial values. This is so that the adjustment values obtained with this function can be used as a base to which the user correction values can be added to obtain the actual dot position correction values.

The correction values are stored under the adjit parameters.

#### [Operation]

1) FUNCTION  
# ADJUST      < ENT >

Select the "ADJUSTMENT."

Press the ENTER key.

2) #ADJUST  
PRN. adjust 2      < e n t >

Select the "PRN.adjust2" pressing the FUNCTION key.

Press the ENTER key.

3) #PRN. adjust2  
SEL. :    X DIRECTION

Select the item to be corrected using the △ or ▽ key.

#PRN. adjust2  
SEL. :    Variable-1

Press the ENTER key.

#PRN. adjust2  
SEL. :    Variable-2



- When [SEL.: X DIRECTION] is selected, refer to "If "X DIRECTION" has been selected".

#PRN. adjust2  
SEL. :    Normal-1

- When [BASIS SET] is selected, refer to "If "BASIS SET" has been selected".

#PRN. adjust2  
SEL. :    Noramal-2

#PRN. adjust2  
SEL. :    BASIS SET

- 4)
- |               |       |
|---------------|-------|
| #PRN. adjust2 | V2    |
| Adjust :      | Y Si. |
- 
- |               |       |
|---------------|-------|
| #PRN. adjust2 | V2    |
| Adjust :      | Y Re. |
- 
- |               |       |
|---------------|-------|
| #PRN. adjust2 | V2    |
| Adjust :      | Y Bi. |
- 
- |               |           |
|---------------|-----------|
| #PRN. adjust2 | V2        |
| Adjust :      | TSTprint. |
- 
- |               |       |
|---------------|-------|
| #PRN. adjust2 | V2    |
| Adjust :      | FINE. |

Select the item to be corrected using the  $\Delta$  or  $\nabla$  key.

Start plotting with the **ENTER** key.

To enter the correction value without performing plotting, press the  $\rightarrow$  key.

When the  $\leftarrow$  key is pressed, jogging can be performed using the  $\leftarrow$ ,  $\rightarrow$ ,  $\leftarrow$  and  $\rightarrow$  keys. Store the origin with the **ENTER** key and start plotting.

The waveform selected in Step 3 is displayed at the right end of the first line.

V1:Variable-1 V2:Variable-2  
N1:Normal-1 N2:Normal-2



- “ADJUST: TEST DRAW” only plots the test pattern that is used to check the adjustments. There is no place to enter correction values.
- If “ADJUST: FINE” is selected, refer to the section “If FINE has been selected” below.
- Enter such a value the right and left protrusions of the plotted pattern agree with each other.

- 5)
- |               |       |
|---------------|-------|
| #PRN. adjust2 | V2    |
| Y Si. 1 - 2 : | 0 . 0 |

**When plotting has been completed, correction value input mode is entered.**

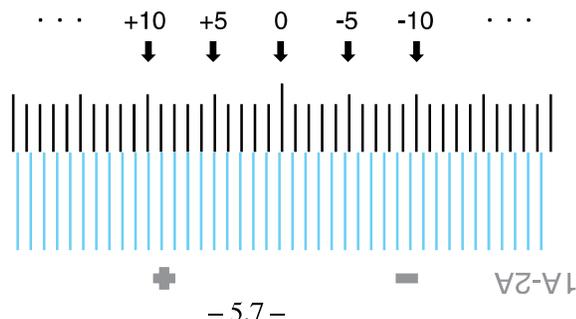
Input the values using the  $\Delta$  and  $\nabla$  keys. Then press **ENTER** key to enter the values.

In the follow way, enter the correction values for between heads 1 and 2, between heads 1 and 3 and between heads 1 and 4.

- 6)
- |               |       |
|---------------|-------|
| #PRN. adjust2 | V2    |
| Y Si. 1 - 2 : | 0 . 0 |

**Then, enter the following correction items in the same manner.**

- Y SINGLE
- Y REPEAT
- Y BI-D



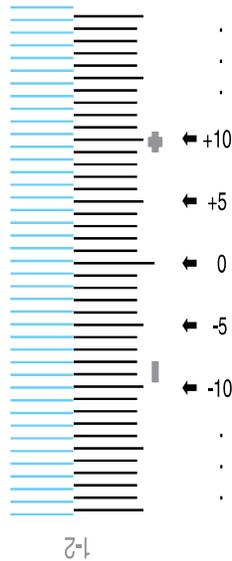
If “X DIRECTION” has been selected )



• Be sure to perform this item upon completion of media correction.

1) #PRN. adjust2  
SEL. : X DIRECTION

2) #PRN. adjust2  
X DIR1-2 : 0-0



Press the ENTER key to start plotting.

To enter the correction value without performing plotting, press the > key.

When plotting has been completed, correction value input mode is entered.

Input the correction value using the ^ or v key.

Enter the correction value with the ENTER key.

In the same way, enter the correction values for between heads 1 and 2, between heads 1 and 3 and between heads 1 and 4.



• Enter such a value the right and left protrusions of the plotted pattern agree with each other, 4 or less.

If “BASIS SET” has been selected )

BASIS SET is a function which sets correction values for Variable-1, Normal-1, and Normal-2 based on the correction value for Variable-2.



• Prior to BASIS SET, it is necessary to match correction values Y Si, Y Re, and Y Bi for Variable-2.

• After BASIS SET, the correction values for Variable-1, Normal-1, and Normal-2 can be fine-adjusted using FINE.

1) #PRN. adjust2  
SEL. : BASIS SET

Select the “BASIS SET”.

2) #PRN. adjust2  
BASIS SET : ent

Press the ENTER key to make automatic internal setup of correction values for other waveforms.

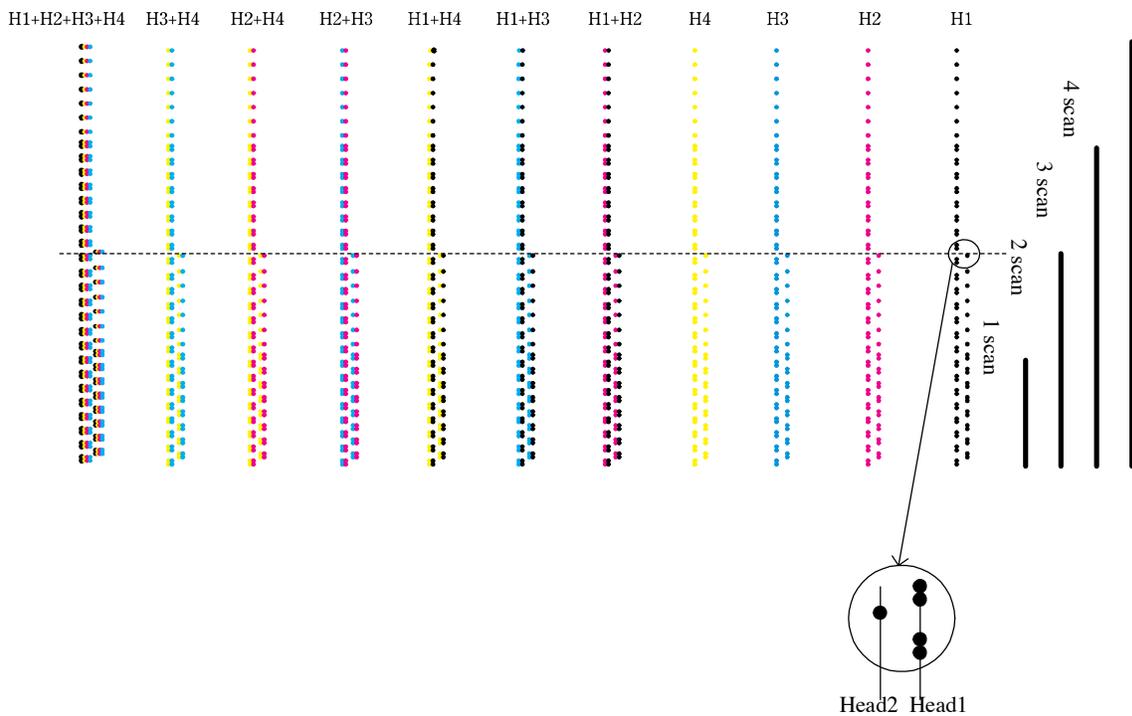
**If “FINE” has been selected )**

”FINE” is used to check, or perform fine adjustment of, the X PRINT, Y SINGLE, Y REPEAT, and Y BI-D correction values. Accordingly, perform the “FINE” after the X PRINT, Y SINGLE, Y REPEAT, and Y BI-D corrections have been performed.



- Adjust the shot so that the pattern (Y SINGLE, Y REPEAT) for dot position correction [FINE] totally be as uniform as possible.

**[ Example of Y SINGLE, Y REPEAT, and Y BI-D drawing ]**



When the dot position viewed from the scope is as shown above, enter a positive value as the correction value for HEAD1 and HEAD2.

Y BI-DIRECTIONAL / FINE, the above pattern is plotted only in black.

1) 

#PRN. adjust2	V2
Adjust	: FINE

2) 

#PRN. adjust2	V2
FINE	: Y Si.

#PRN. adjust2	V2
FINE	: Y Re.

#PRN. adjust2	V2
FINE	: Y Bi.

3) 

#PRN. adjust2	V2
COLOR	: KCm

4) 

#PRN. adjust2	V2
FINE	: Y Si.

**If “Y Single” has been selected )**

#PRN. adjust2	V2
Y Si.	1-2 : 0.0

**If “Y Repeat” has been selected )**

#PRN. adjust2	V2
Y Re.	1-2 : 0.0

**Select the “Adjust : FINE”.**

Press the  key.

**Select the adjustment item using the  or  key.**

Press the  key.

**Select the color to plot.**

Move the cursor using the  or  key and then select the plot color.

Select whether the selected color is plotted or not using the  or  key.

**Start plotting with the  key.**

(Plot length: about 25 mm; plot width; paper width)

**Input the correction value for the Y forward using the  or  key.**

Enter the correction values between heads 1 and 2, between heads 1 and 3 and between heads 1 and 4.

**Input the correction value for the Y repeat travel using the  or  key.**

Enter the correction values between heads 1 and 2, between heads 1 and 3 and between heads 1 and 4.

If “Y BI-D” has been selected )

#PRN. adjust2	V2
Y Bi. 1-1 :	0.0

**Input the correction value for the Y forward / repeat using the  $\Delta$  or  $\nabla$  key.**

**Enter the correction value between heads 1 and 1.**

If “FINAL” has been selected )

#PRN. adjust2	V2
FINAL. 1-2 :	0.0

**Enter the correction value with the  key.**

X PRINT : Heads 1-2, 1-3, 1-4

Y SINGLE : Heads 1-2, 1-3, 1-4

Y REPEAT : Heads 1-2, 1-3, 1-4

Y BI-D : Heads 1-1

Usually, processing is completed by plotting a pattern for checking adjustment result for each item.

**When you press the  key, enter the correction value of above items.**

Press the  key to exit from the function.

## 5-3-2. HEAD ADJUST

### [Function]

Plots a pattern for mechanical adjustment of position shift of each head.

### [Operation]

1) 

FUNCTION
# ADJUST            < ENT >

**Select the ADJUSTMENT.**

Press the 

ENTER
-------

 key.

2) 

# ADJUST
HEAD ADJUST       < ent >

**Press the 

FUNCTION
----------

 key to select the “HEAD ADJUST”**

**Press the 

ENTER
-------

 key.**

3) 

#ADJUST
SLANT adjust       < ent >

**Select the adjustment item using the 

△
---

 or 

▽
---

 key.**

#HEAD ADJUST
UNIT ADJUST       < ent >

### If “SLANT adjust” has been selected )

1) 

#ADJUST
TYPE                : 720 4pass

**Select the print-type (720, 4pass / 360, 2pass) using the 

△
---

 or 

▽
---

 key.**

Press the 

△
---

 or 

▽
---

 key to change the position (only X position) to plot.

2) 

#ADJUST
PRINT START        : ent

**Press the 

ENTER
-------

 key to start drawing.**

### If “UNIT ADJUST” has been selected )

#ADJUST
PRINT START        : ent

**Press the 

ENTER
-------

 key to start drawing.**