

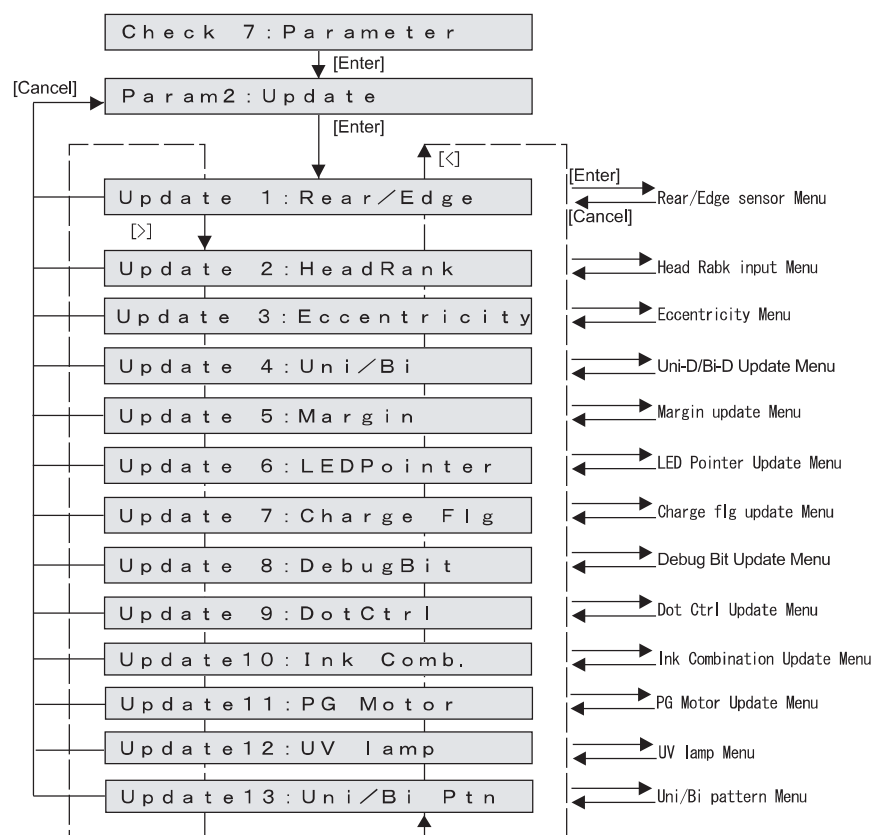
## 5.10.2 Parameter Update Menu

This menu is used to update the adjustment parameters. The parameters that can be updated through this menu are as follows.

Rear/Edge sensor, Head rank, Uni-D/Bi-D, Eccentricity correction, Margin, LED pointer, filled flag, Dubitable, Dot control, Ink combination, PG motor, UV lamp and Uni/Bi pattern

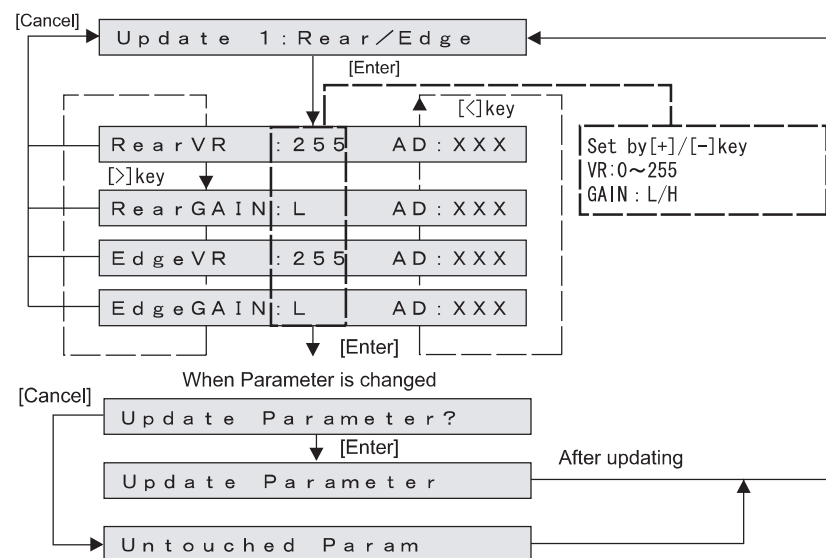
### NOTE

The updated parameters will not be stored in the flash memory unless the system power is turned OFF.



### (1) Rear/Edge Sensor

Enter the set values of Rear/Edge sensors.

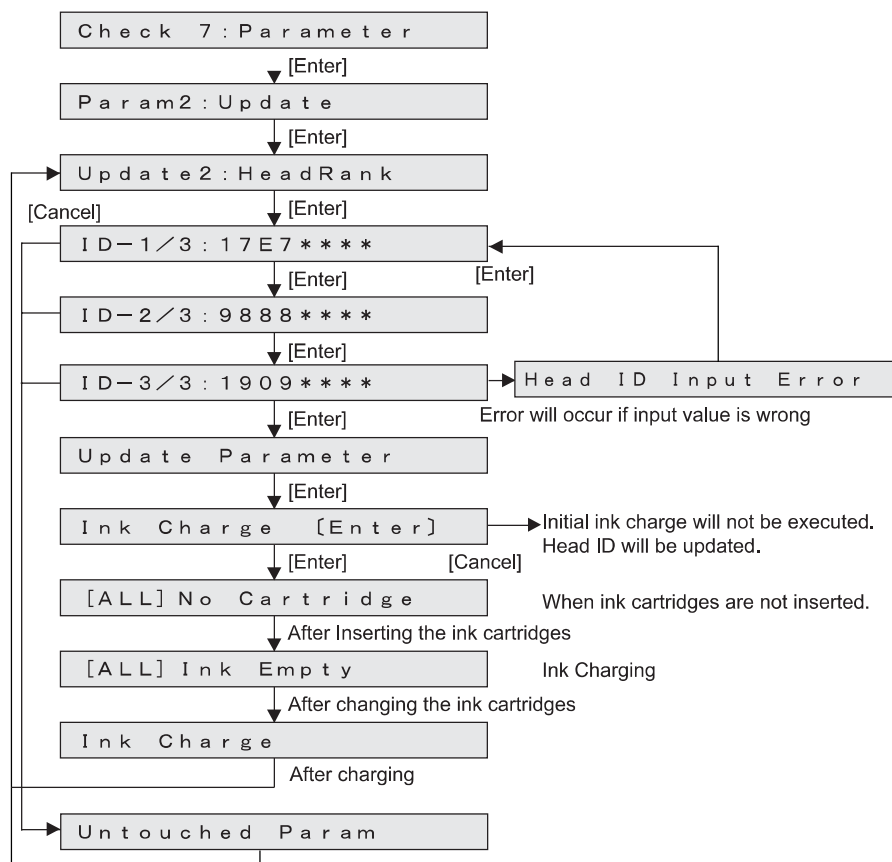


## (2) Head Rank

This menu is used to update the head rank parameters.

The head rank is used to determine Print head driving voltage and correct the head temperature.

After head rank is entered, the shifts to the Ink Charge Menu.

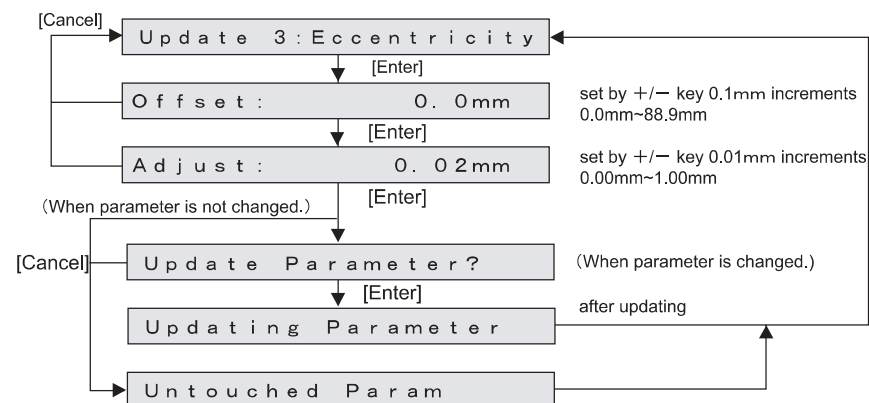


## NOTE

- When entering the head rank, once the eight-digit number is entered, it will proceed to the next screen.
- The sticker of head rank information is attached to the part shown below.

## (3) PF Eccentricity correction

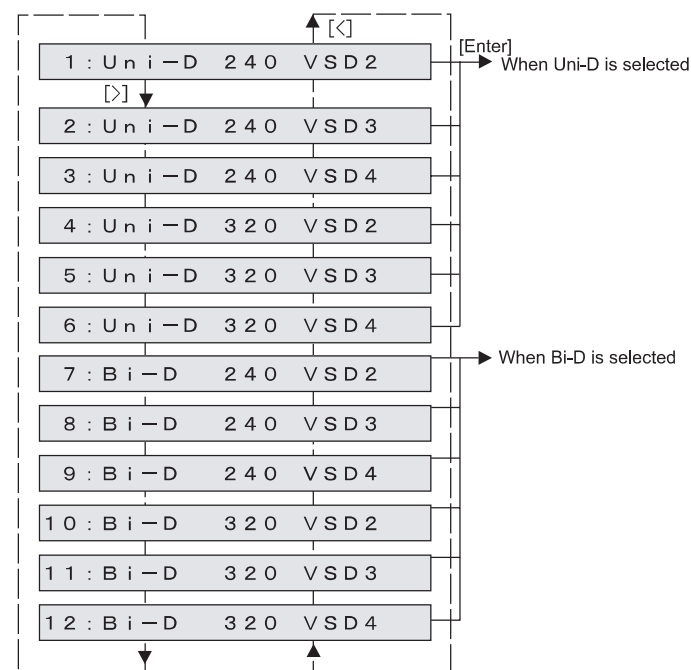
Enter the offset of PF roller and PF eccentricity.



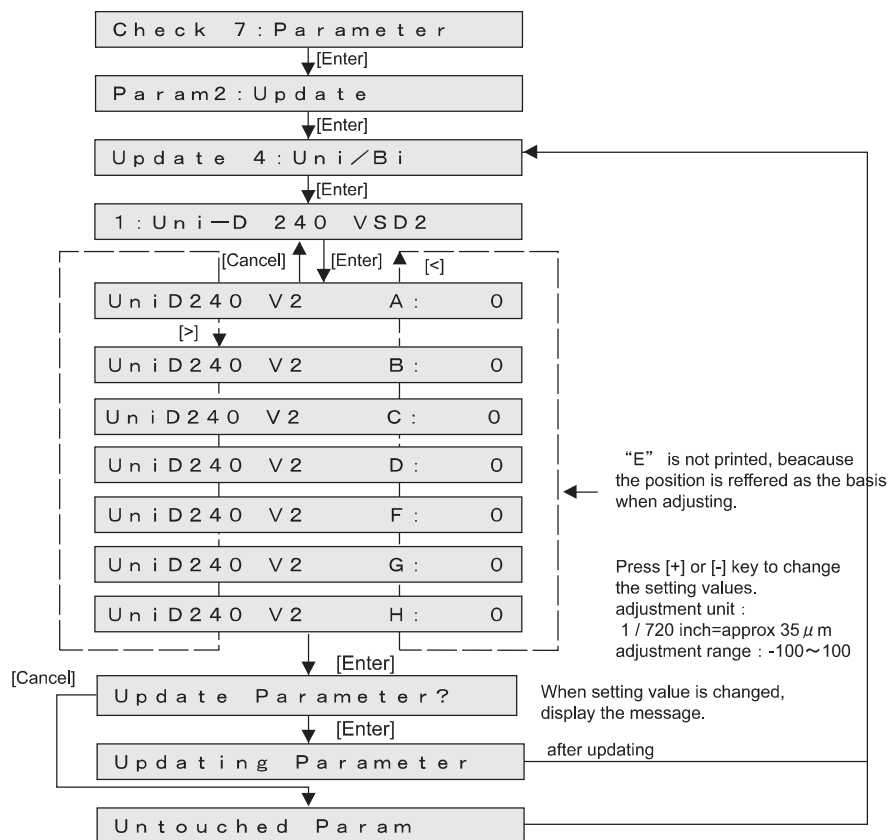
## (4) Uni-D/Bi-D

This menu is used to update the Uni-D/Bi-D/CCW adjustment parameters.  
The setting items for update menu for Uni-D/Bi-D/CCW adjustment parameters are as follows.

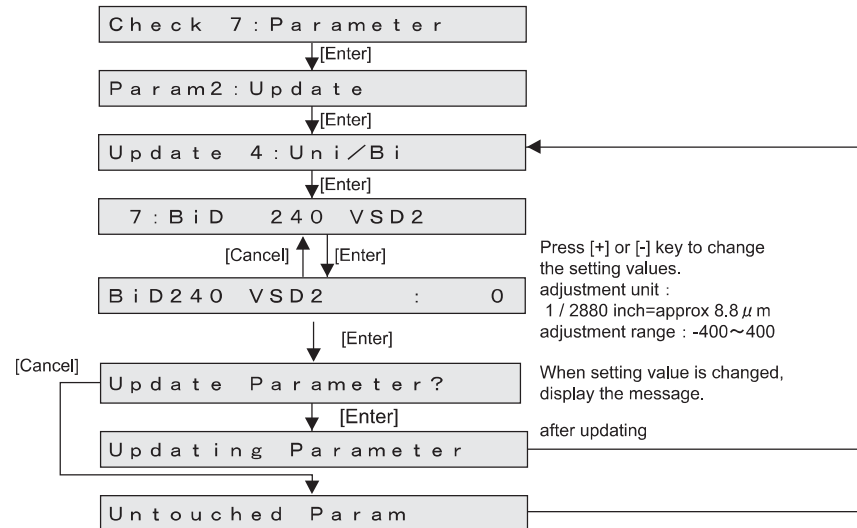
Item	Contents
Uni-D 240 VSD2	CW adjustment for 240cps, VSD2
Uni-D 240 VSD3	CW adjustment for 240cps, VSD3
Uni-D 240 VSD4	CW adjustment for 240cps, VSD4
Uni-D 320 VSD2	CW adjustment for 320cps, VSD2
Uni-D 320 VSD3	CW adjustment for 320cps, VSD3
Uni-D 320 VSD4	CW adjustment for 320cps, VSD4
Bi-D 240 VSD2	Bi-D adjustment for 240cps, VSD2
Bi-D 240 VSD3	Bi-D adjustment for 240cps, VSD3
Bi-D 240 VSD4	Bi-D adjustment for 240cps, VSD4
Bi-D 320 VSD2	Bi-D adjustment for 320cps, VSD2
Bi-D 320 VSD3	Bi-D adjustment for 320cps, VSD3
Bi-D 320 VSD4	Bi-D adjustment for 320cps, VSD4



When Uni-D is selected (If Uni-D240 VSD2 is selected.)

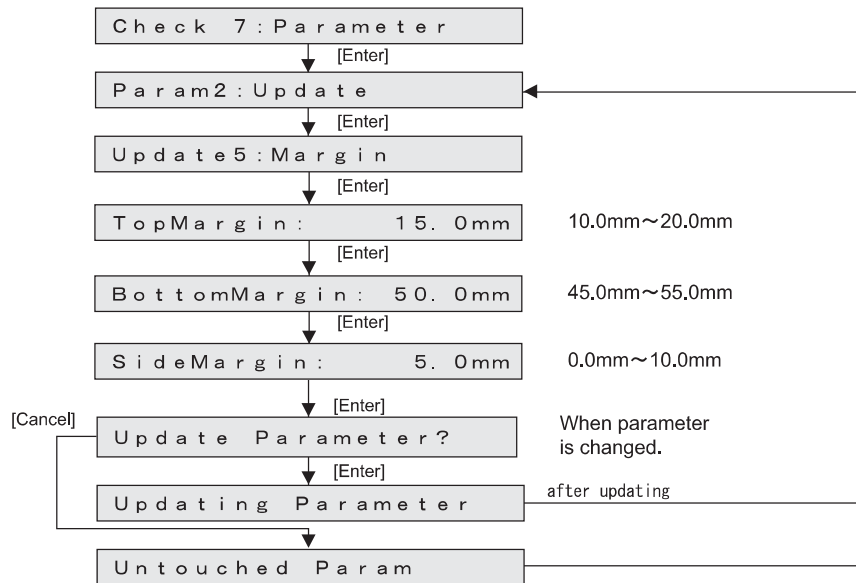


When Bi-D is selected (If Bi-D 240 VSD2 is selected.)



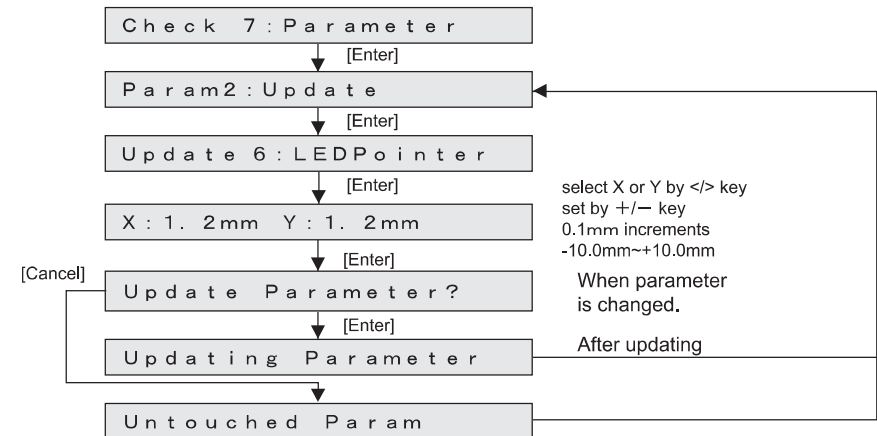
## (5) Margin

Updates Margin parameters.



## (6) LED Pointer

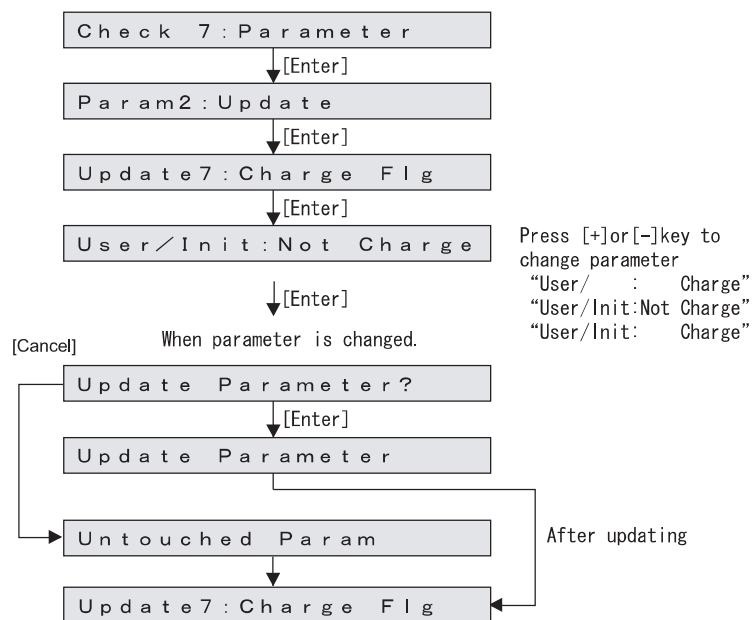
Updates LED Pointer correction value.



## (7) Ink filled flag

This menu is used to update the ink parameters. The setting items are as follows.

Item	Initial wash	Initial Charge
User/Init : Not Charge	x	x
User/ : Charge	O	x
User/Init : Charge	O	O

**NOTE**

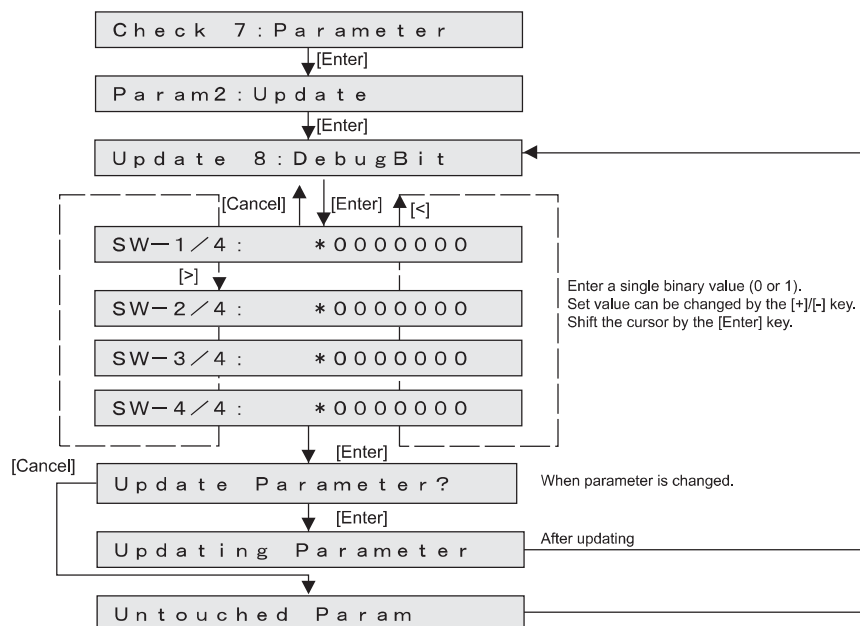
Before selecting "Reset", make sure that Ink cartridges are installed.

## (8) Debug Bit Update

This menu is used to update the debug bit.  
The debug bit is used for testing.

## T I P

- This menu is not used for maintenance operation.
- The debug bit is displayed in binary digits. The setting values and initial values at the time of shipping are as follows:
  - At the time of shipping 00000000
  - Initial value 00000000



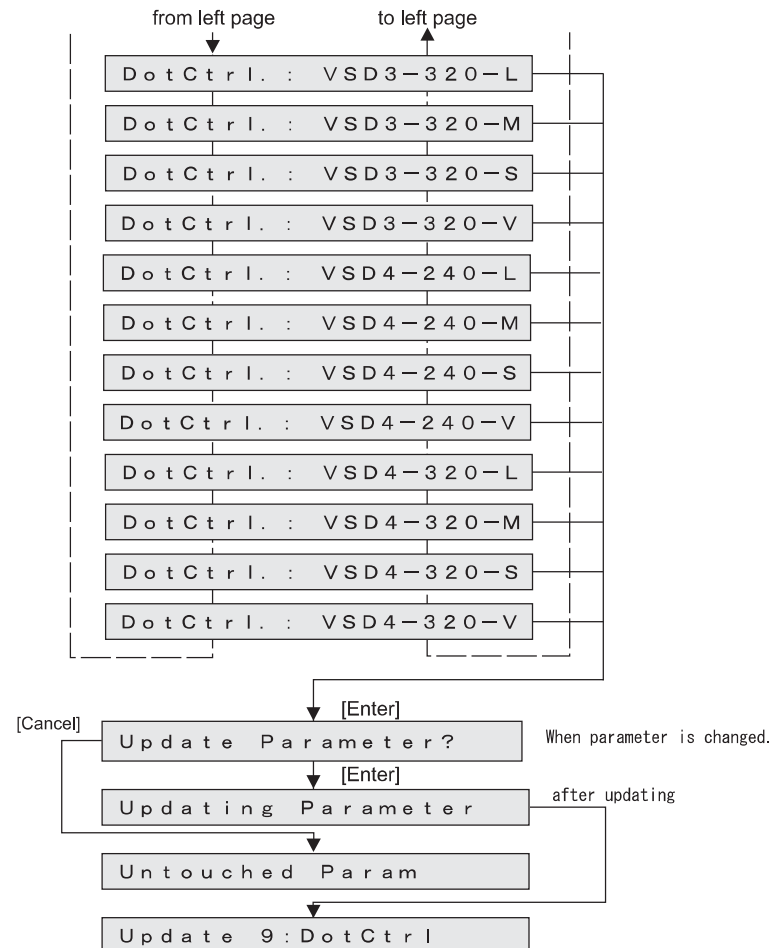
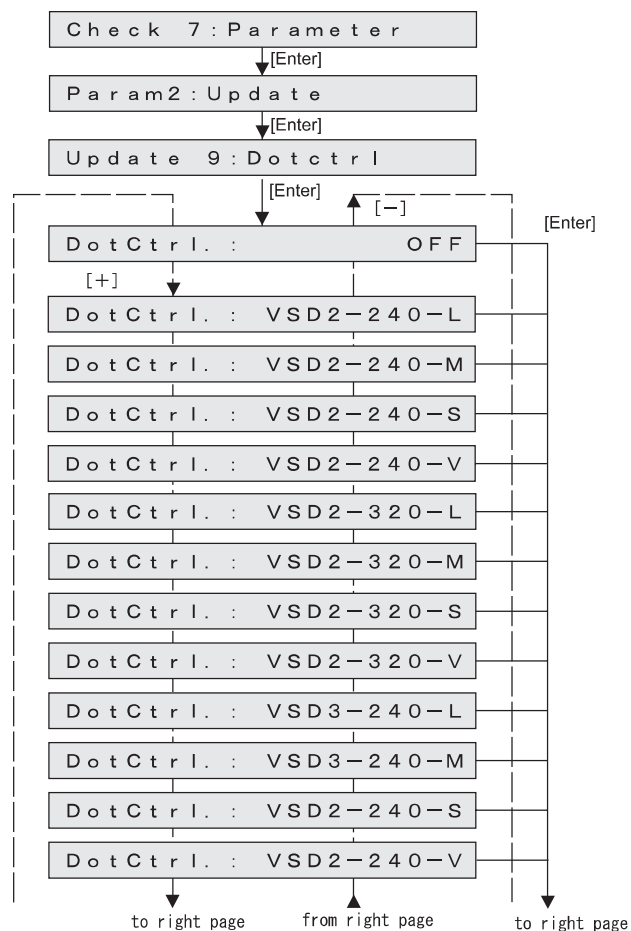
## (9) DotCtrl

Setup the waveform and dot size when printing.

When OFF is set, they are determined automatically to match printing.

## TIP

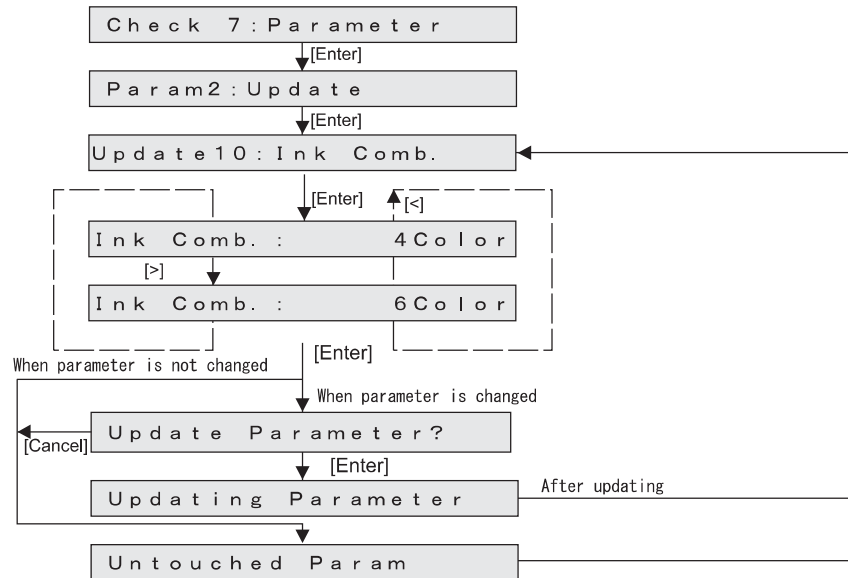
L : Large, M : Middle, S : Small, V : Variable





## (10) Ink Comb.

This menu is used to update Ink combination.



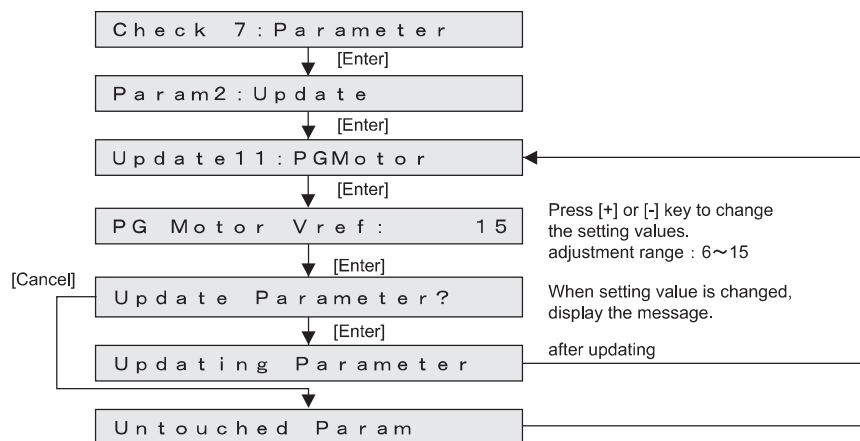
## (11)PG Motor

Set the current setting of the PG motor.

**T I P**

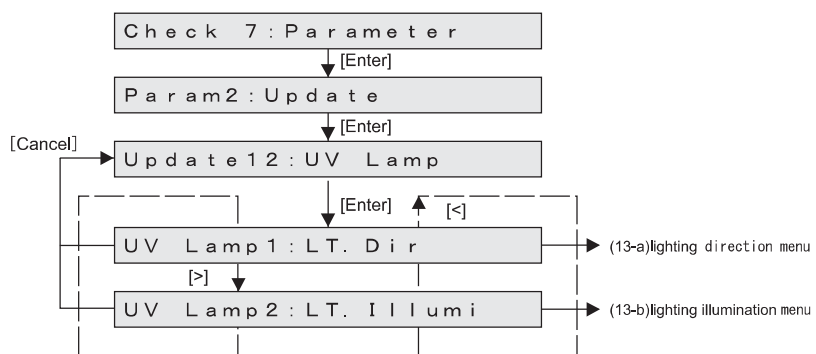
Initial value : 8

Set value is increased, the current also increases.



## (11)UV lamp

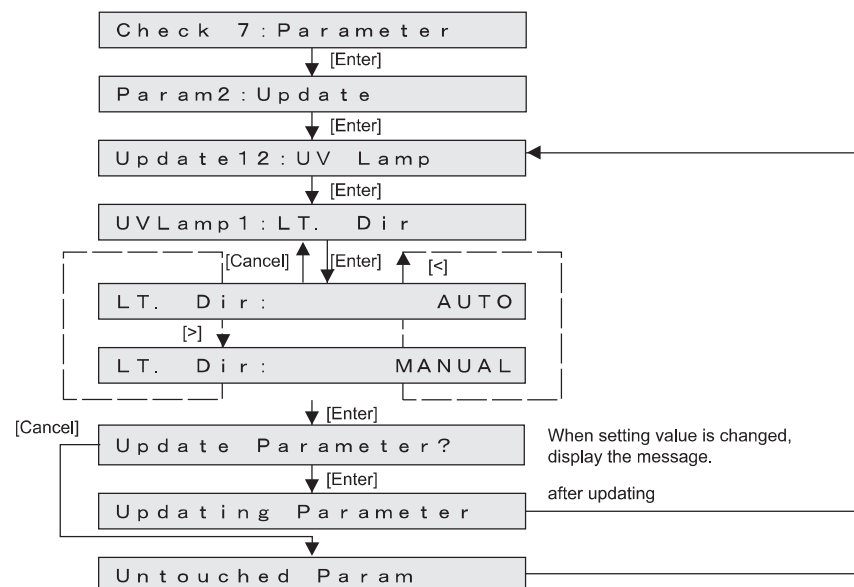
Control the UV lamp during printing to cure the UV ink.  
Set the lighting direction and illuminance ratio of the UV lamp.



## (11-a)lighting direction menu

Set the lighting direction of the UV lamp.

setting	contents	
	UniD printing	BiD printing
AUTO	UV lamp constantly lights up during printing.	4 pass or less: UV lamp constantly lights up during printing. Other than above: UV lamp lights up in CW direction only.
MANUAL	The lamp lights up according to (11-b) Illuminance update menu setting.	



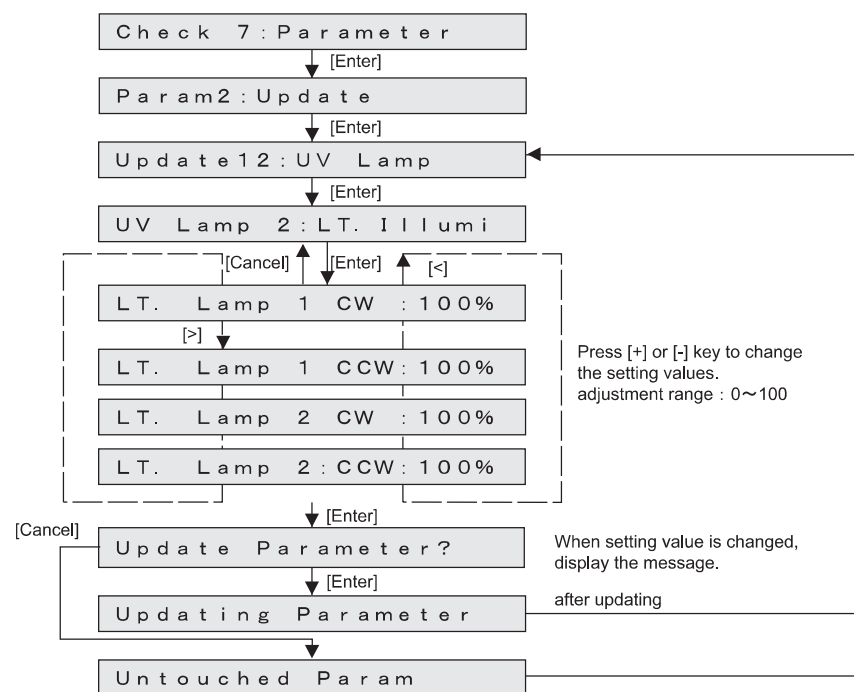
## (11-b) Illuminance update menu

Set the illuminance ratio by the UV-LED block (UV LED block-1/2) and CR direction.

## T I P

- “UV-LED block-1” is the front area of the UV-LED lamp.
- “UV-LED block-2” is the back area of the UV-LED lamp.

setting	contents
LT.lamp 1CW	CW direction illuminance of UVLED1 (0~100%)
LT.lamp 1CCW	CCW direction illuminance of UVLED1 (0~100%)
LT.lamp 2CW	CW direction illuminance of UVLED2 (0~100%)
LT.lamp 2CCW	CCW direction illuminance of UVLED2 (0~100%)



## (12)Uni/Bi Ptn

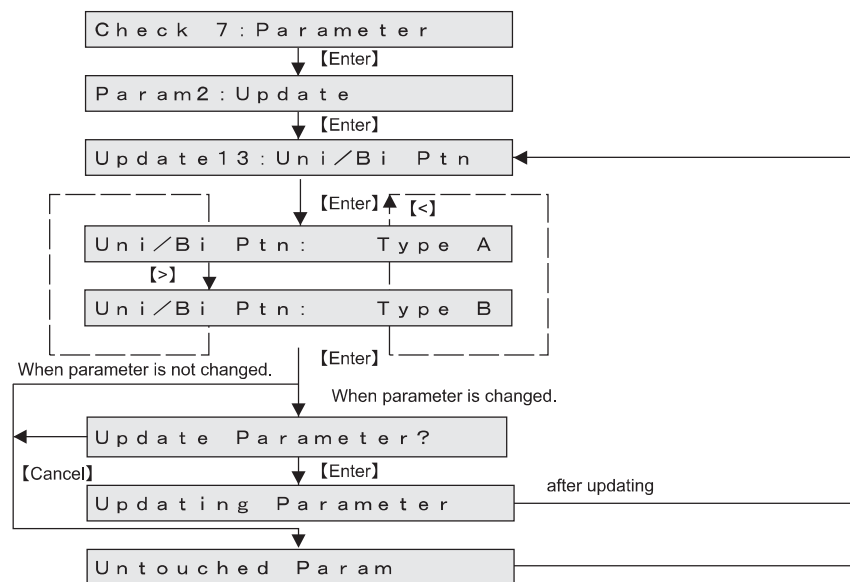
Set the pattern of the Uni / Bi / CCW to be printed in the self-diagnosis function.

This setting is reflected in the pattern printing of UniD/BiD/BiD ALL/Adjust All.

## T I P

Type A : Line pattern (Initial value)

Type B : Line pattern + Block pattern



## 5.11 Servo Setting Menu

### NOTE

Because this is a menu for evacuating problems of the printer (noise, vibration) and improving the image quality (measures for vertical unevenness), basically do not change these parameters.

The menu items for servo setting are as follows.

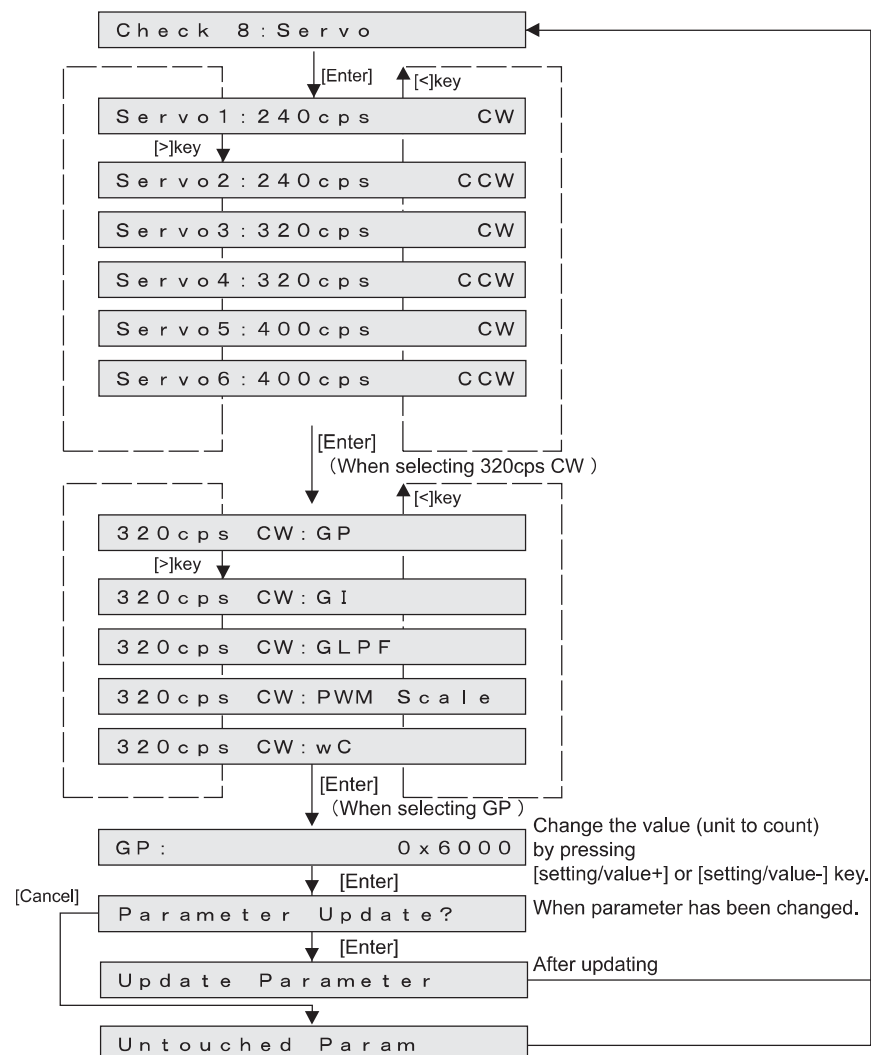
Servo setting items	
Items	Contents
240cps CW	Servo setting of CR CW direction, 240cps
240cps CCW	Servo setting of CR CCW direction, 240cps
320cps CW	Servo setting of CR CW direction, 320cps
320cps CCW	Servo setting of CR CCW direction, 320cps
400cps CW	Servo setting of CR CW direction, 400cps
400cps CCW	Servo setting of CR CCW direction, 400cps

Servo setting items	
Items	Contents
GP(Proportional gain)	Proportional gain setting
GI(Integral gain)	Integral gain setting
GLPF(Low path filter)	Low path filter setting
PWM(PWM scale)	PWM scale setting
$\omega C$	$\omega C$ setting

The minimum / maximum / count value for each item is shown below












Values of setting Items			
Items	Min.	Max.	Count
GP(Proportional gain)	0x2000	0x7800	0x200
GI(Integral gain)	0x0002	0x0800	1
GLPF(Low path filter)	0	255	1
PWM(PWM scale)	10	15	1

Values of setting Items			
Items	Min.	Max.	Count
$\omega C$	30	60	5



## 5.12 Endurance Running Menu

This menu is used to perform endurance running of printer mechanicals.  
The endurance running menu includes the following items.

Item	Contents	Reference
CR Motor	Performs Carriage stroke to perform the endurance running of CR motor.	 <a href="#">"5.12.1CR Motor Endurance Menu"</a>
PF Motor	Performs media feeding operation to perform the endurance running of PF Motor.	 <a href="#">"5.12.2PF Motor Endurance Menu"</a>
Pump	Performs endurance running of Pump Motor.	 <a href="#">"5.12.3Pump Endurance Menu"</a>
C Pump	Performs endurance running Circulation Pump.	 <a href="#">"5.12.4C Pump endurance Menu"</a>
Head Lock	Performs endurance running of Head lock.	 <a href="#">"5.12.5Head Lock Menu"</a>
Wiper	Turns ON/OFF Wiper.	 <a href="#">"5.12.6Wiper Endurance menu"</a>
PG Solenoid	Performs endurance of running PG Solenoid.	 <a href="#">"5.12.7PG Solenoid Endurance Menu"</a>
Head U/D	Performs up and down of Head.	 <a href="#">"5.12.8Head U/D Endurance Menu"</a>
Nozzle	Performs sequential printing to perform the endurance running of Print head.	 <a href="#">"5.12.9Print Head Endurance (Nozzle Print) Menu"</a>
Total Life	Performs endurance running on CR axis (CR motor, Bearing, Tube, etc.) and PF axis (PF motor, etc.) simultaneously.	 <a href="#">"5.12.10General Endurance Menu"</a>
Check	Confirms the number of endurance running cycles.	 <a href="#">"5.12.11Endurance Running Check Menu"</a>

