

### 7.3.10 Adjusting the Offset of the Auto-Registration Mark Sensor

If you replace the Auto-registration mark sensor or the main board, you need to adjust the offset.

#### How to adjust the auto-registration mark sensor

- (1) Enter the adjustment menu (see Section 7.3.4).
- (2) Load an A2 or larger size sheet of paper in the plotter. The paper color must be white, and it is recommended that high-quality paper made for ink-jet printers be used.
- (3) Mount a fiber tip pen in the pen holder.
- (4) Press the UP arrow or Down arrow key until the menu shown below is displayed.

```

MANUFACTURING      8/8
  ▲
1 SELECT PEN TYPE FOR
2 HOME SENSOR AJD.
  ▼

```

- (5) Press the 1 key to display the menu shown below.

```

SELECT PEN TYPE FOR A
1 BALL PEN
2 CERMIC/FIBER PEN
-----
ESET      ◀ CANCEL

```

- (6) Press the 2 key to select the fiber tip pen.

```

SELECT PEN TYPE FOR A
1 BALL PEN
2 CERMIC/FIBER PEN
-----
ESET      ◀ CANCEL

```

- (7) Press the ENTER key to set the fiber tip pen.
- (8) Press the UP arrow or Down arrow key until the menu shown below is displayed.

```

MANUFACTURING      3/8
  ▲
1 RM SENSOR POS ADJ
2 C-CUTTER POS ADJ
3 TOOL2 THRESHOLD
4 C-CUTTER THRESHOLD
  ▼

```

- (9) Press the 1 key to display the menu shown below.

```

RM SENSOR POS ADJ
1 AUTO
2 MANUAL
3 X=+0.0mm
4 Y=+0.0mm
-----
ESET      ◀ CANCEL

```

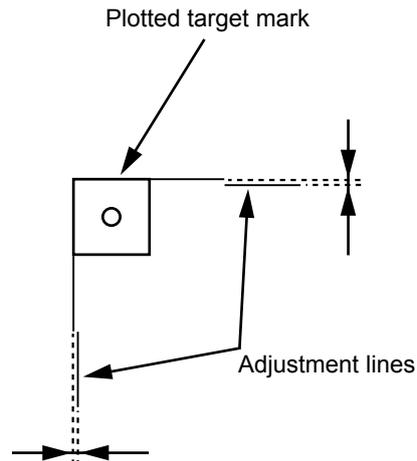
(10) Press the **1** key to display the menu shown below.

(11) Use the ARROW keys to move the pen to an open area to plot the adjustment pattern.



(11) Use the ARROW keys to move the pen to an open area to plot the adjustment pattern.

(12) Press the ENTER key to plot the adjustment pattern shown below.



(13) The plotter immediately adjusts the registration mark sensor position automatically, and adds a vertical line and a horizontal line to the scanned plotted pattern.

(14) Measure the offset between the lines and confirm that they are within 0.25 mm.



(15) Press the ENTER key to store the setting.

(16) Turn off the power to exit from the adjustment menu.