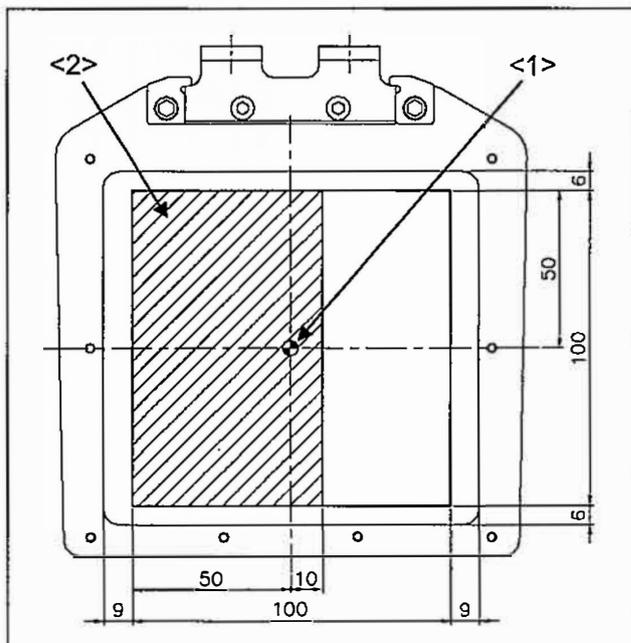


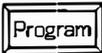
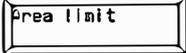
Adjustment of the X-Y mechanical home position

The mechanical home position (No.1) is fixed at the center of the sewing area as the factory default setting. The machine can be moved within the area (No.2) covered with diagonal lines.



<1>: Home position as the factory default

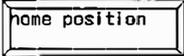
<2>: Adjustable area

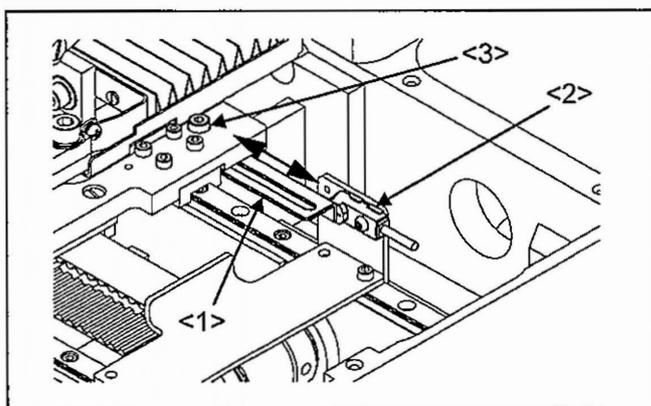
- (1) After canceling the sewing area limit, change the mechanical home position.
- (2) Press the  on the standard screen to open the MENU mode.
- (3) Press the  ->  ->  [Cancellation of sewing area limit] in order.
- (4) Select the  on the [Cancellation of sewing area limit] screen, and press the .
- (5) When turning the power off then, the setting of the sewing area limit is cancelled.

Adjustment of the X direction

- (1) Turn the power switch off.
- (2) Remove the covers on the top of the sewing machine bed.
- (3) The mechanical home position of the X direction is the position where the detector (No.2) can detect the edge of the detector plate X (No.1).
- (4) For the adjustment of the X direction mechanical home position, loosen the detector plate set screws (No.3) at the left and right side then, move the detector plate X in the arrow direction as shown on the figure. Set the clearance between the detector plate X and the detector within the range of 1.0 to 1.5mm.
- (5) Turn the power switch on. Press the home position return icon , and check the mechanical home position.
- (6) If the mechanical home position is not the desired position, carry out the same procedure (4) and (5) again. In that case, turn the power switch off each time.

[Notice] The machine has a function that the motor memorizes the home position at the first home position returning operation after the switch is turned on. Therefore, from the second home position returning, it does not use the home position return sensor. Make sure to turn the power switch off to change the mechanical home position.

To use the sensor from the send returning, press  →  →  [Home returning method since the second time returning] on the standard screen and set it ON.

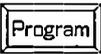
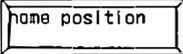


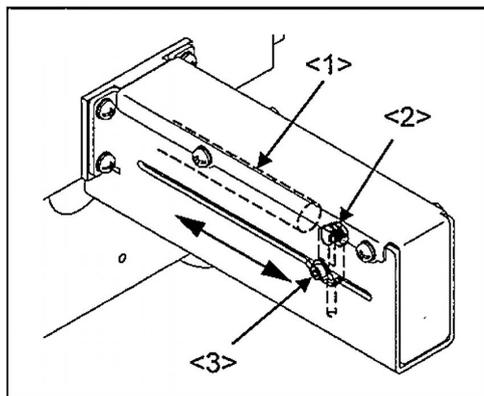
- <1>: Detector plate X
- <2>: Detector
- <3>: Detector plate set screw

Adjustment of the Y direction

- (1) Turn the power switch off.
- (2) The mechanical home position of the Y direction is the position where the detector (No.2) can detect the edge of the Y drive (No.1).
- (3) For the adjustment of the Y direction mechanical home position, loosen the detector set screw (No.3) then, move the detector to the arrow direction as shown on the figure.
- (4) Turn the power switch on. Press the home position return icon , and check the mechanical home position.
- (5) If the mechanical home position is not the desired position, carry out the same procedure (3) and (4) again. In that case, turn the power switch off each time.

[Notice] The machine has a function that the motor memorizes the home position at the first home position returning operation after the switch is turned on. Therefore, from the second home position returning, it does not use the home position return sensor. Make sure to turn the power switch off to change the mechanical home position.

To use the sensor from the send returning, press  →  →  [Home returning method since the second time returning] on the standard screen and set it ON.



- <1>: Y drive
- <2>: Detector
- <3>: Detector set screw

7-22. The X-Y drive timing belt tension

The X-Y drive timing belt tension is as follows as the factory default setting.

X : 150 (N) ± 10% Y : 150 (N) ± 10%