

### Adjustment of the presser foot timing

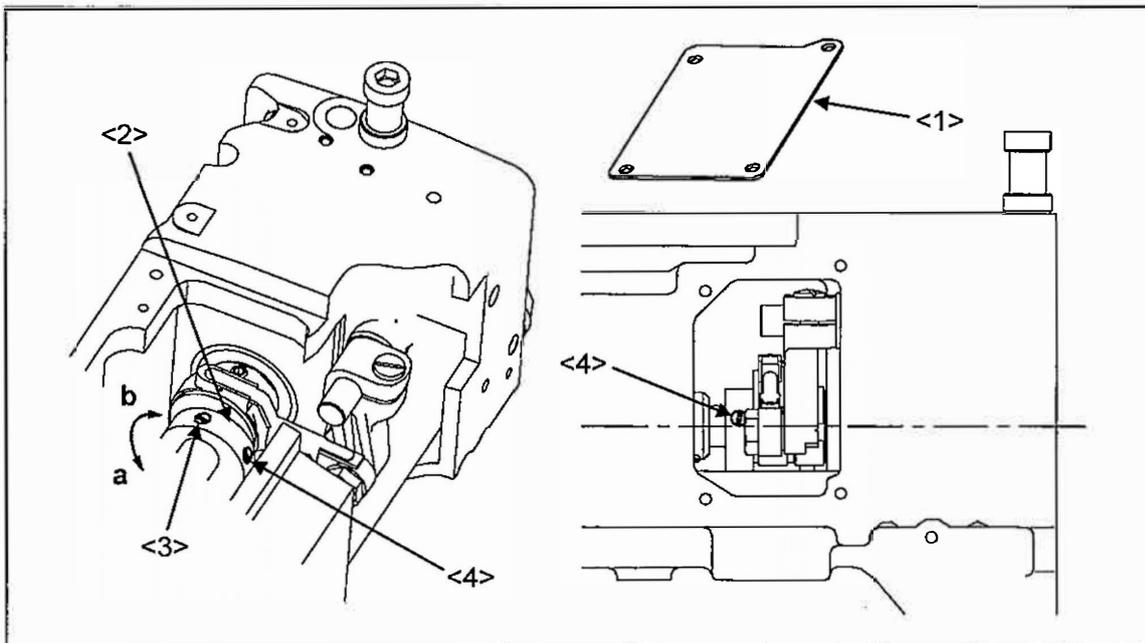
With changing the timing to sewing materials, the skip stitches can be prevented or the seam tightness can be improved. For example, the delay of the presser foot timing against the needle movement prevents the skip stitches especially to thin materials, and the advance of the presser foot timing can improve the seam tightness especially to thick materials.

The needle bar and the presser foot are set to move the lowest position together as the factory default.

- (1) Remove the cover (No.1) and loosen the set screw A (No.3) and B (No.4) of the eccentric cam (No.2).
- (2) Keep the thread take-up lever at the highest position then, adjust the eccentric cam angle so that set screw B (No.4) is positioned half size upper from the center line of the upper shaft (shown on the lower right figure). Retighten the set screws (No.3 & No.4).
- (3) Turn the pulley by hand to check the timing then, put the cover (No.1) back on the original location.

\*To speed up the presser foot timing, turn the eccentric ring to the direction "a".

\*To speed down the presser foot timing, turn the eccentric ring to the direction "b".



<1>: Cover   <2>: Eccentric cam   <3>: Set screw A   <4>: Set screw B