

3-6 Blade pressure

[Inspection]

- (1) Remove the needle plate.
- (2) Remove the work table and work table B.
- (3) Turn the hand wheel counterclockwise until the needle bar is at the bottom dead center.
- (4) Turn the hand wheel counter clockwise until the needle bar is near the top dead center, while pushing the thread trimming lever in direction A (Fig.1).
- (5) Smear the thread catcher with a felt pen (Fig.2).
- (6) Turn the hand wheel counter clockwise until the thread catcher completes a trimming cycle, while pushing the thread trimming lever in direction A (Fig.1).
- (7) Perform trimming again, and check that the felt pen marking on the thread catcher is scraped evenly (even contact).
- (8) Turn the hand wheel counterclockwise further, and check that the thread catcher makes an initial contact with the thread cutter at a clearance of 2 to 3mm (blade pressure: 0.6 to 1.5kg) (Fig.3).

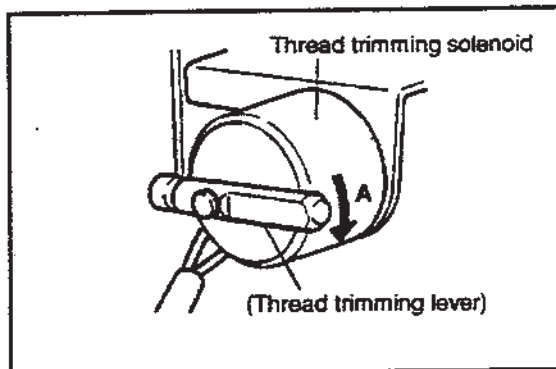


FIG.1

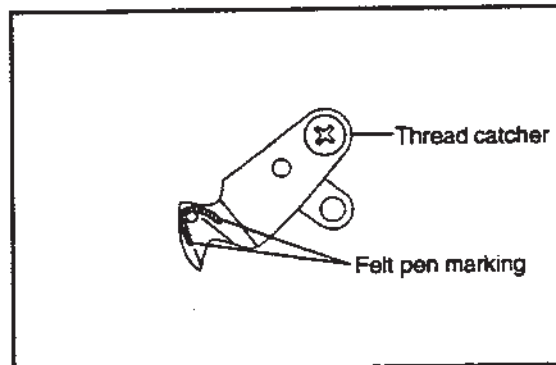


FIG.2

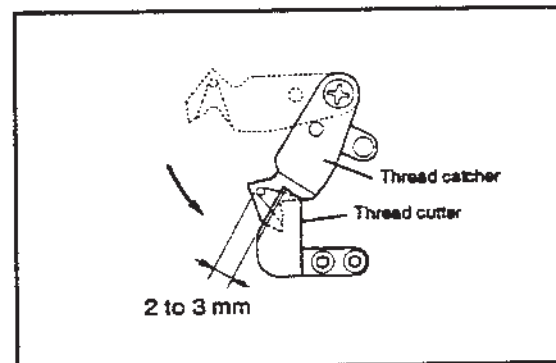


FIG.3

[Adjustment]

If the felt pen marking on the thread catcher looks like A or B, adjust the angle of the thread cutter as necessary then adjust the blade pressure (Fig.4).

1) If the felt pen marking looks like A (Fig.4),

- (1) Remove the rotary hook cover.
- (2) Turn adjusting screw (b) in direction B and, while steadying the thread cutter by hand, turn adjusting screw (b) in direction C just so the screw tip barely touches the thread cutter (Fig.5).

- (3) While steadying the thread cutter by hand, tighten retaining screws (a) alternately and evenly until the cutter is fixed firmly (Fig.5).

2) If the felt pen marking looks like B (Fig.4),

- (1) Remove the rotary hook cover and slightly loosen two retaining screw (a) (Fig.5).
- (2) While steadying the thread cutter by hand, turn adjusting screw (b) in direction C just so the screw tip barely touches the thread cutter (Fig.5).

- (3) While steadying the thread cutter by hand, tighten retaining screws (a) alternately and evenly until the cutter is fixed firmly(Fig.5).

3) If the felt pen marking looks like C, adjust the blade pressure (Fig.4).

- (1) If the clearance is less than 2mm, slightly loosen the right-side retaining screw (a),tighten the left-side retaining screw (a), then tighten the thread cutter in position with the right-side retaining screw (a)(Fig.5 and 6).
- (2) If the clearance is larger than 3mm, slightly loosen the left-side retaining screw (a), tighten the right-side retaining screw (a), then tighten the thread cutter in position with the left-side retaining screw (a)(Fig.5 and 6).

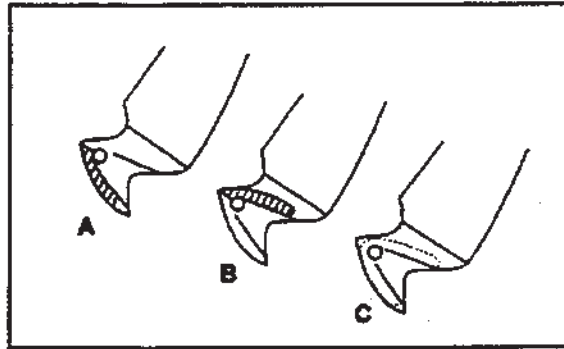


FIG.4

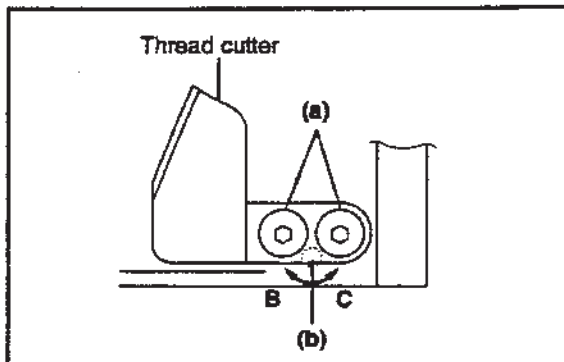


FIG.5

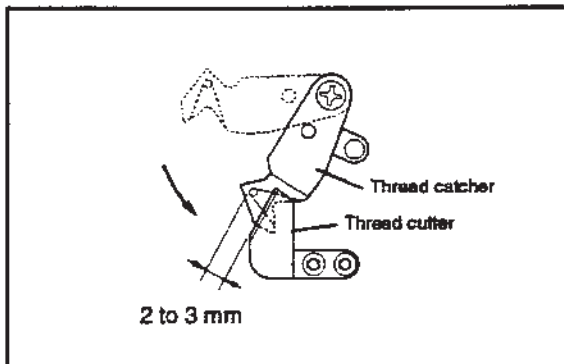


FIG.6