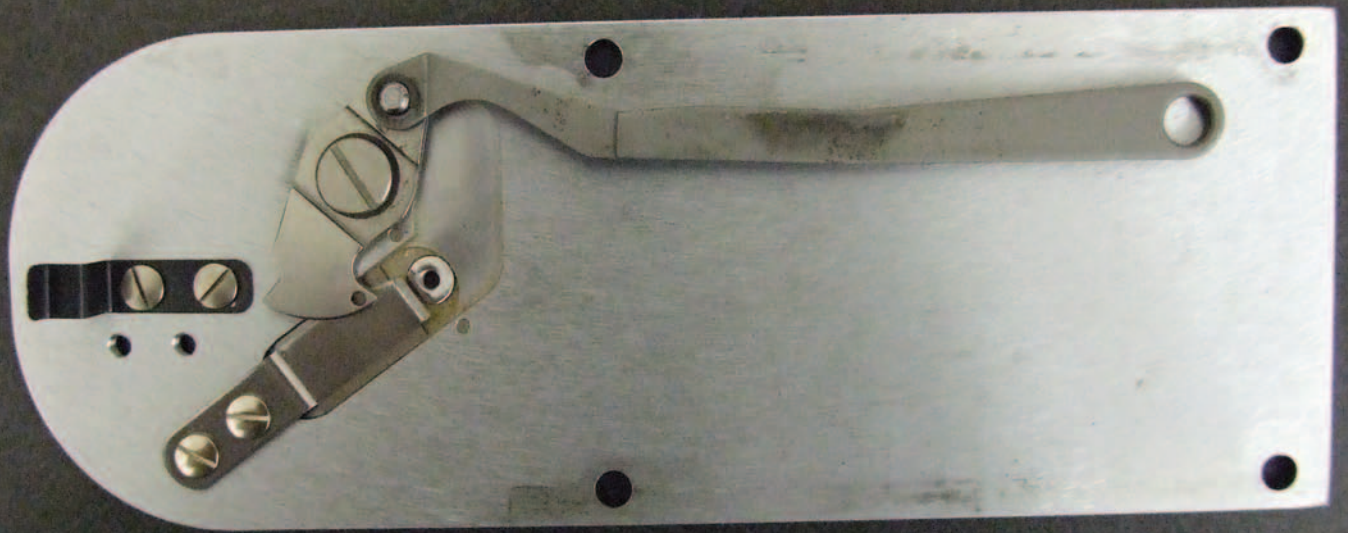
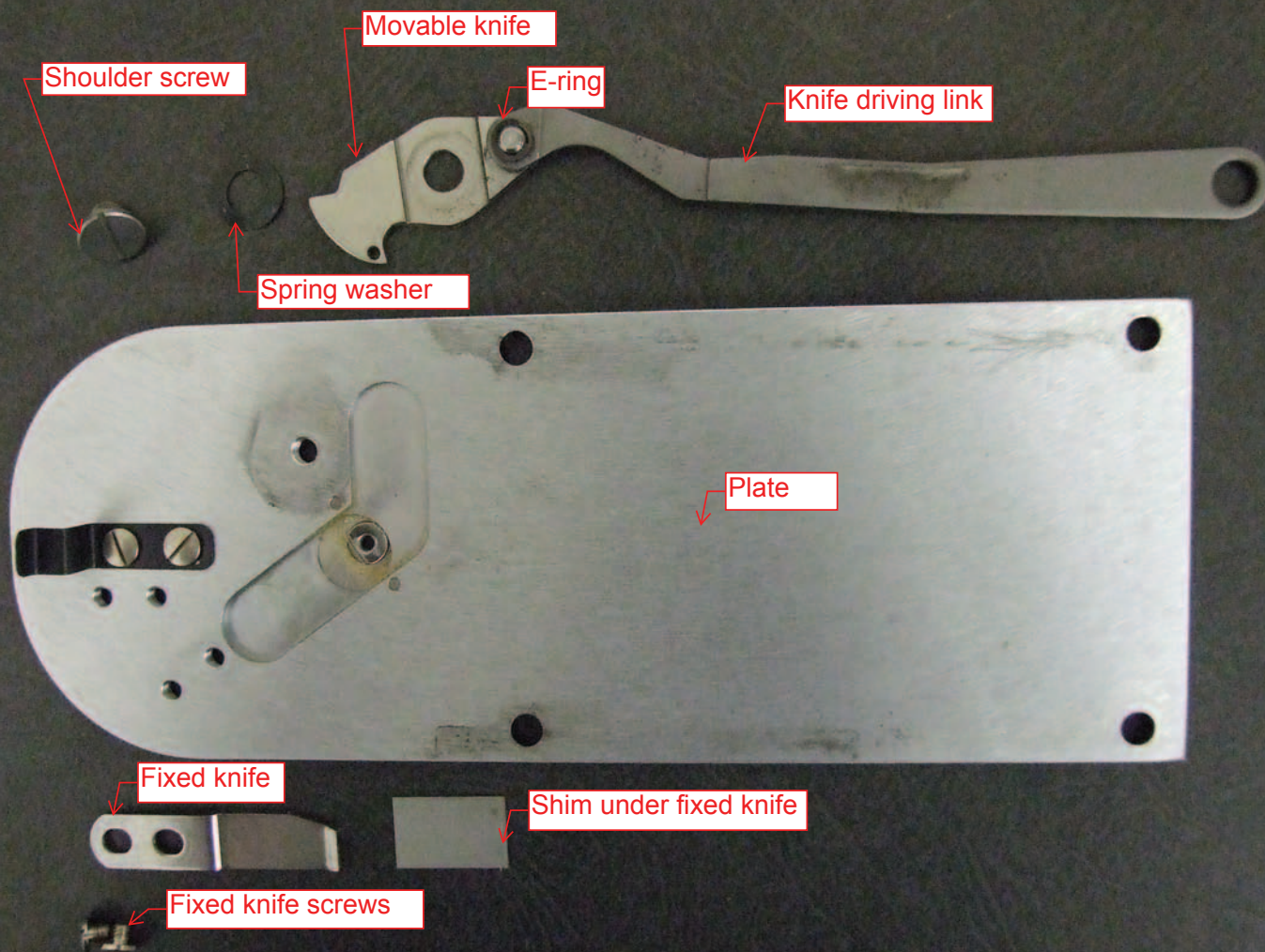
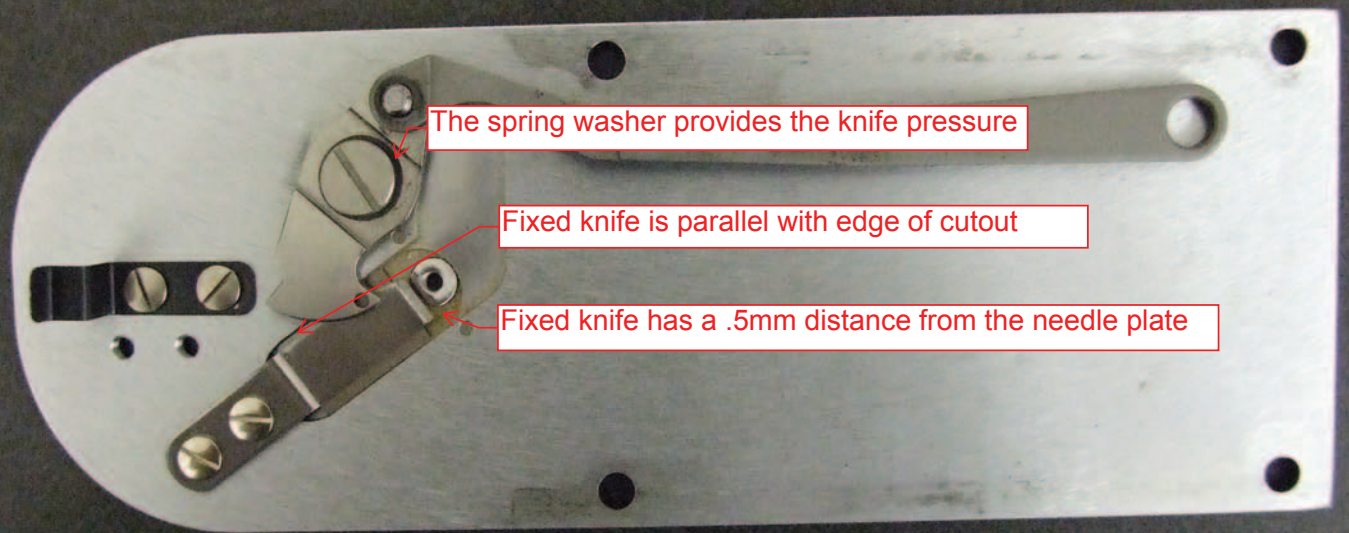


Trimmer



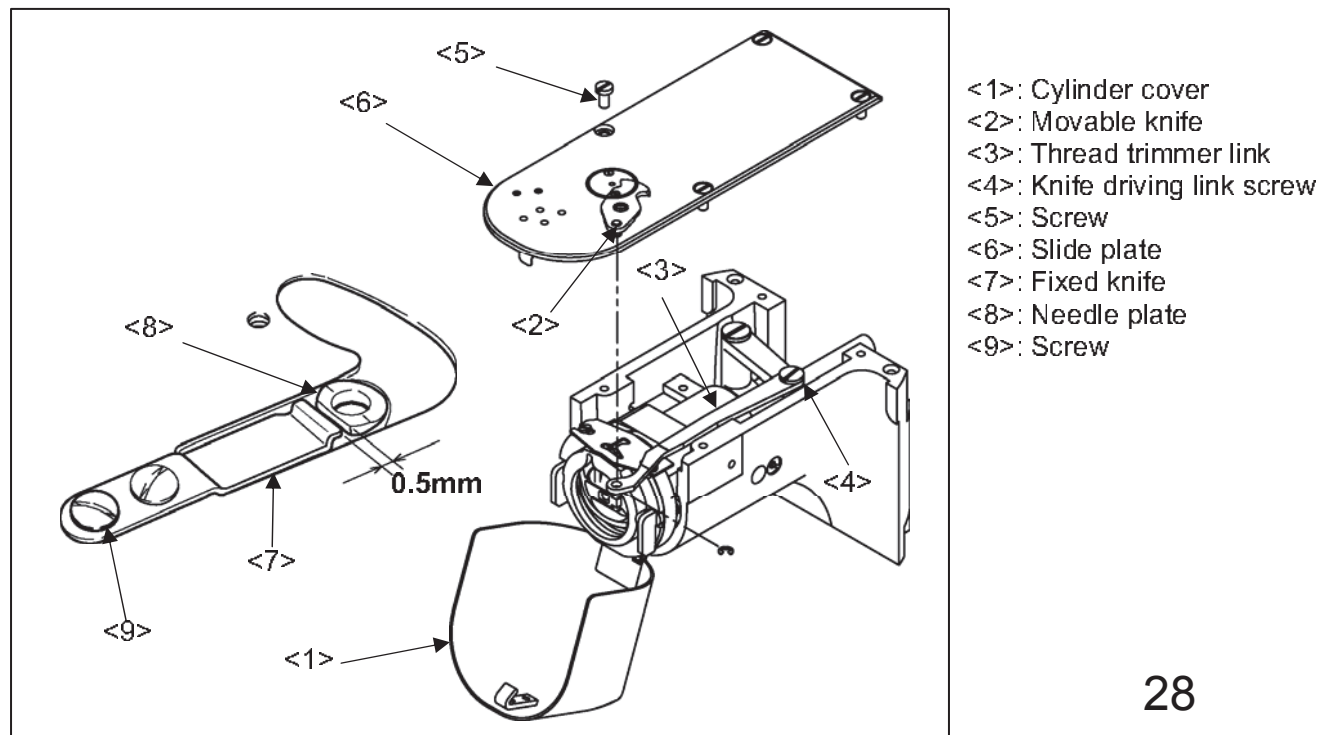
Assembled view

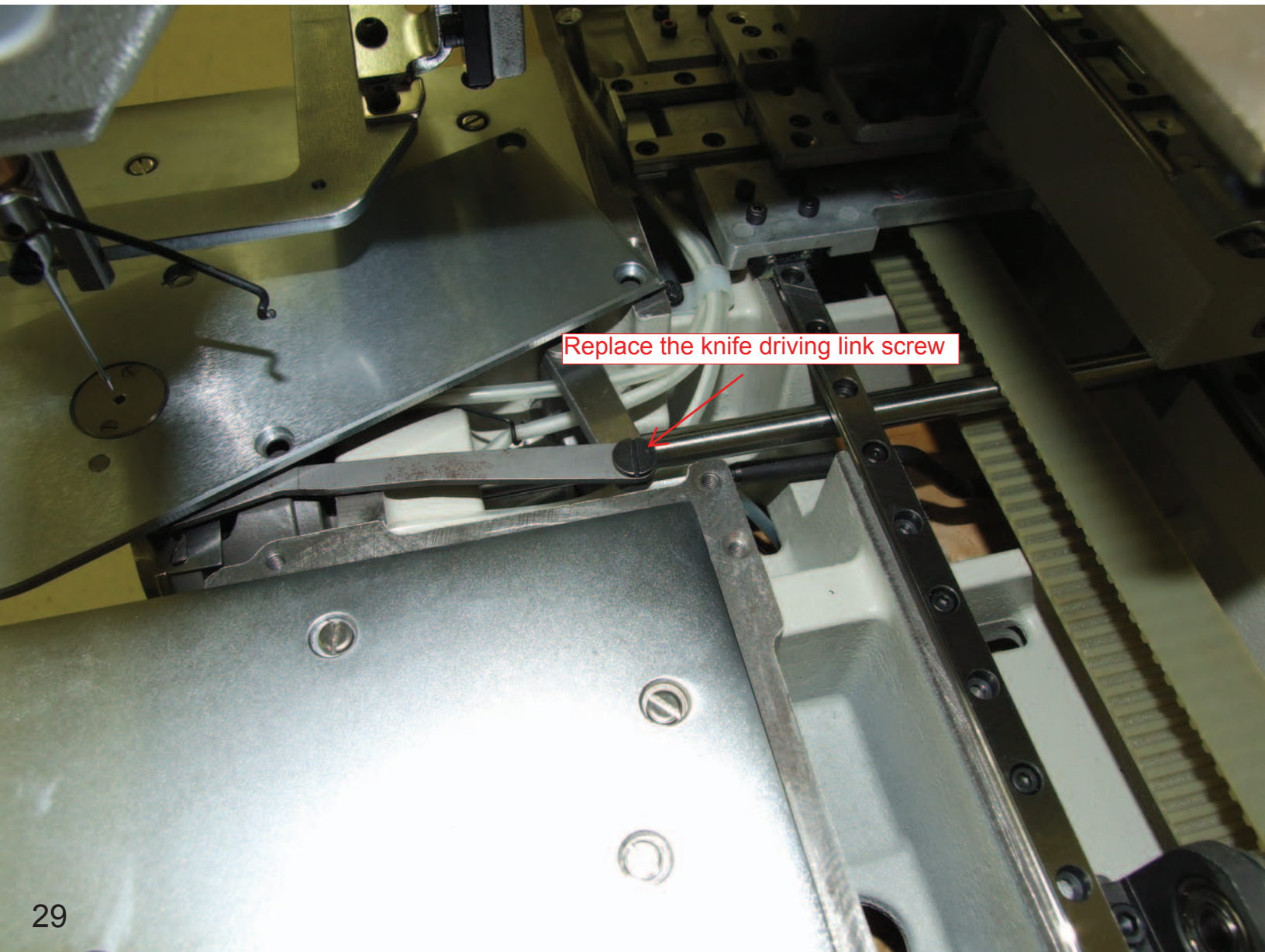


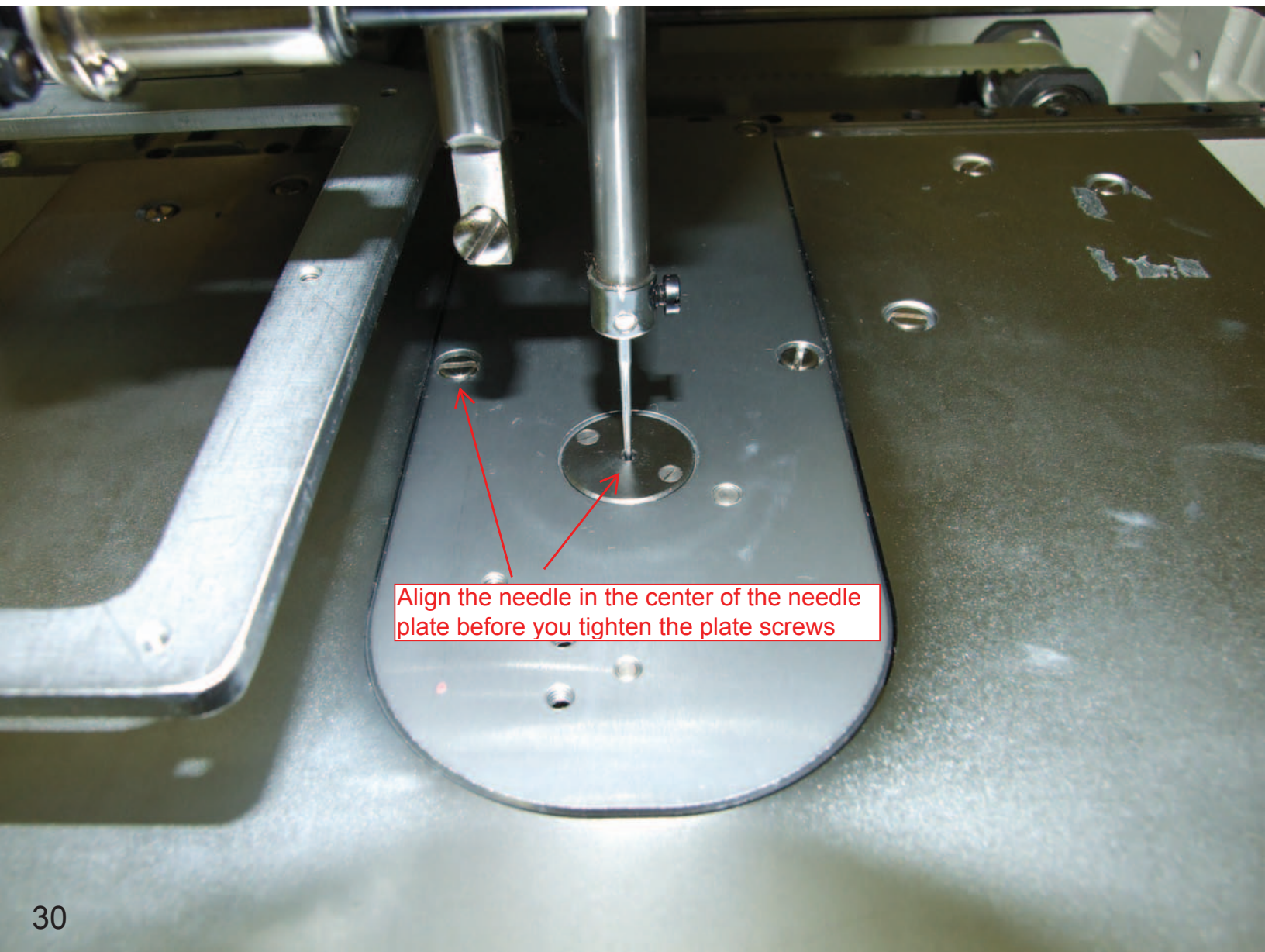


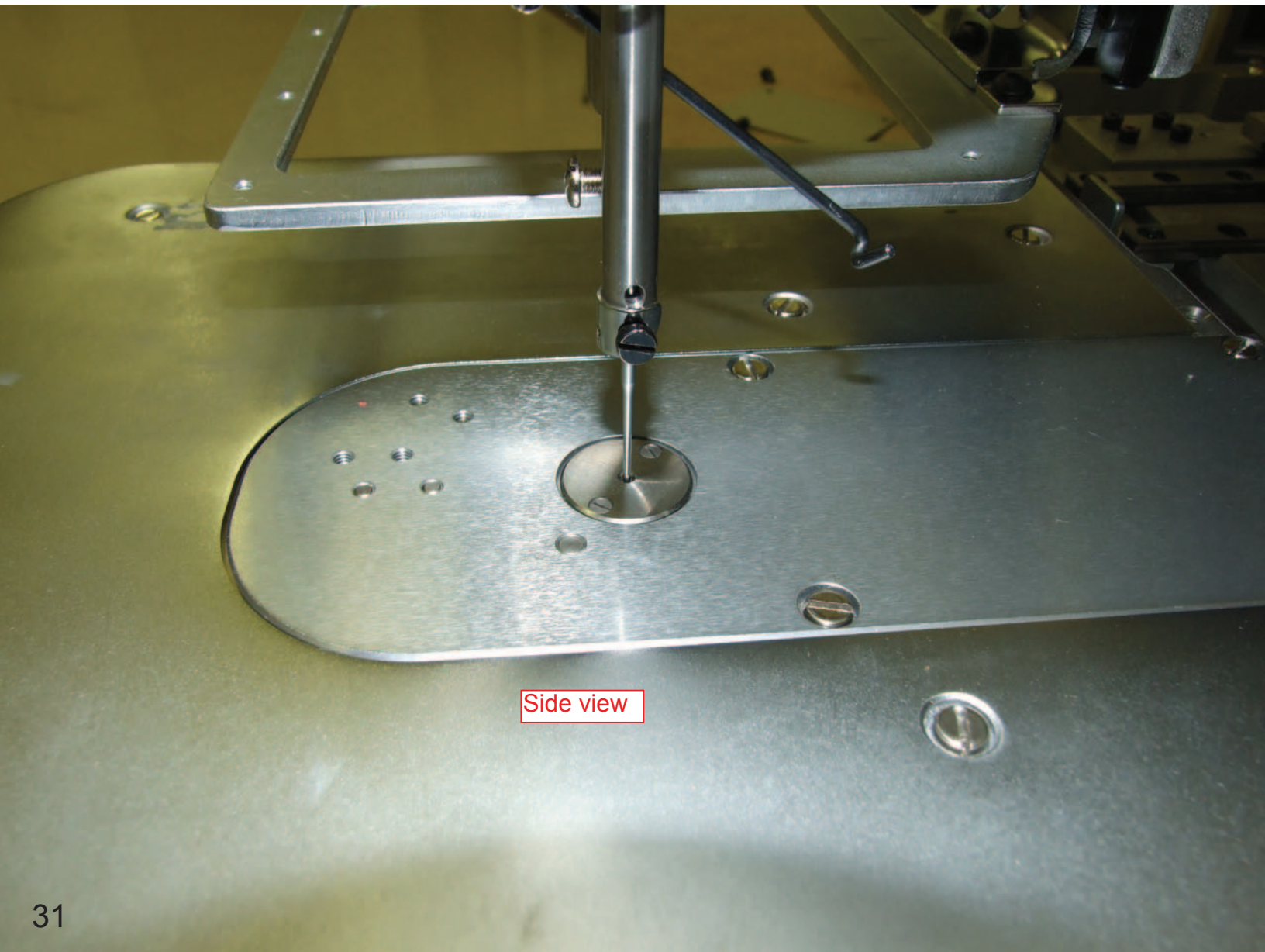
Adjustment of the fixed knife position

1. Remove the screws (No.5) from the slide plate.
2. Slide the plate to the left and remove the knife driving link screw (No.4).
3. Adjust the fixed knife (No.7) position to be positioned for the blade edge to have the clearance 0.5mm from the edge of the needle plate (No.8), which is standard position.
4. For the adjustment of the fixed knife (No.7) position, loosen the screws (No.9).



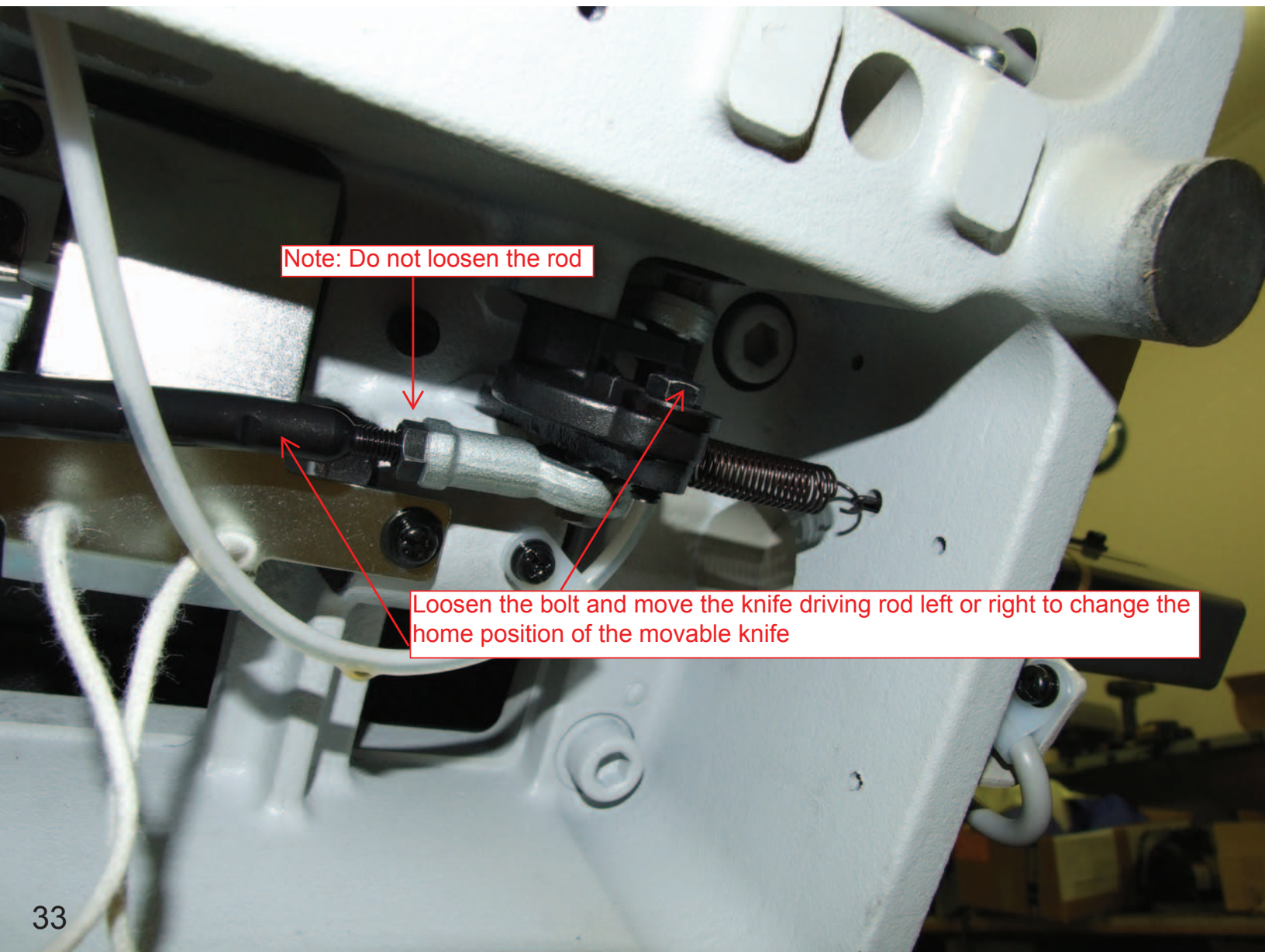






A close-up photograph of a mechanical assembly, likely a part of a machine tool or a precision instrument. The assembly features a large, circular, polished metal plate with a brushed finish. On the right side, a complex mechanical structure is visible, including a circular opening and various adjustment screws. A red arrow points from a text box to a specific point of contact between a moveable knife and an outer hook race. The knife is a thin, flat metal strip with a curved end, held in place by a small black component. The hook race is a curved metal track that the knife follows. The background is dark and out of focus.

Align the moveable knife home position to be .5mm from the outer hook race.

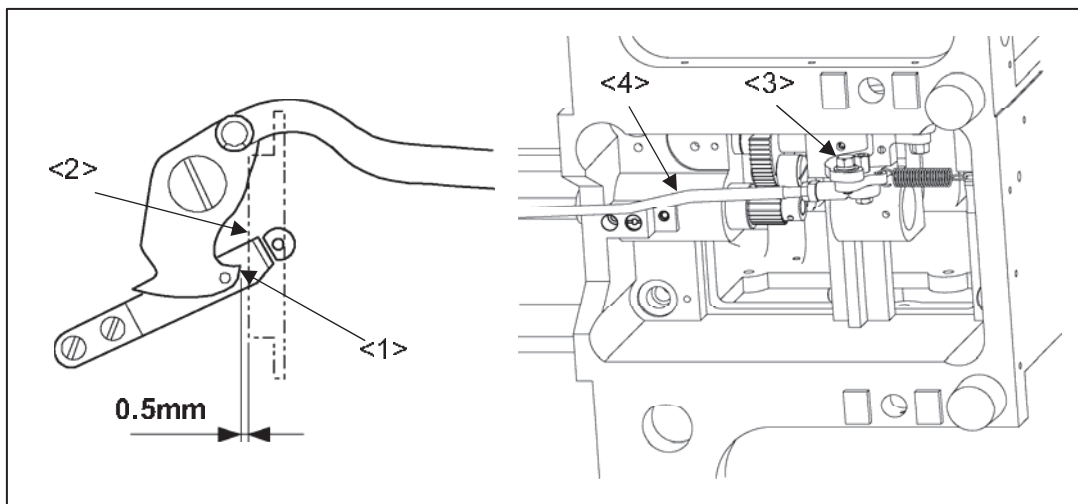


Note: Do not loosen the rod

Loosen the bolt and move the knife driving rod left or right to change the home position of the movable knife

Adjustment for the home position of the movable knife

1. Tilt the sewing machine head and open the cylinder cover.
2. Check the movable knife (No.1) to see if it is at the standard home position. It should be about 0.5mm away from the front face of the shuttle hook retainer (No.2).
3. For the adjustment, loosen the hexagon head bolt (No.3) and move the horizontal thread trimmer rod (No.4) to adjust the position of the movable knife home position.
Note: Don't loosen the screws on the rod.



<1>: Movable knife <2>: Shuttle hook retainer <3>: Hexagon head bolt <4>: Horizontal thread trimmer rod

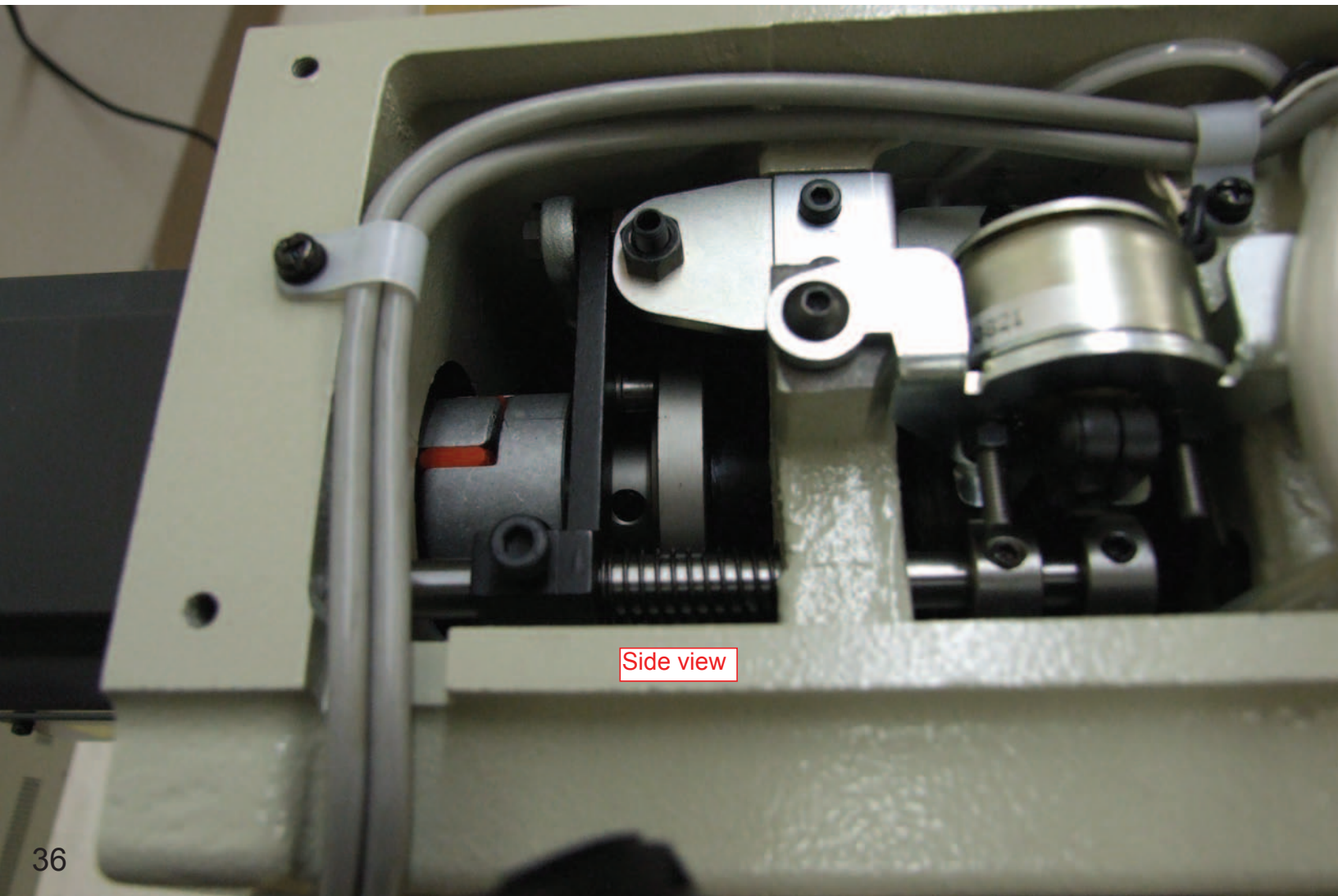
When the take-up lever is up, the roller must be able to enter the trimmer cam.

Adjustment:

Push the roller into the cam, loosen the nut and turn the screw clockwise to lock the roller into the cam. Then turn the screw counter clockwise until the roller comes out of the cam and then loosen the screw an addition 1/4 turn and then tighten the nut.

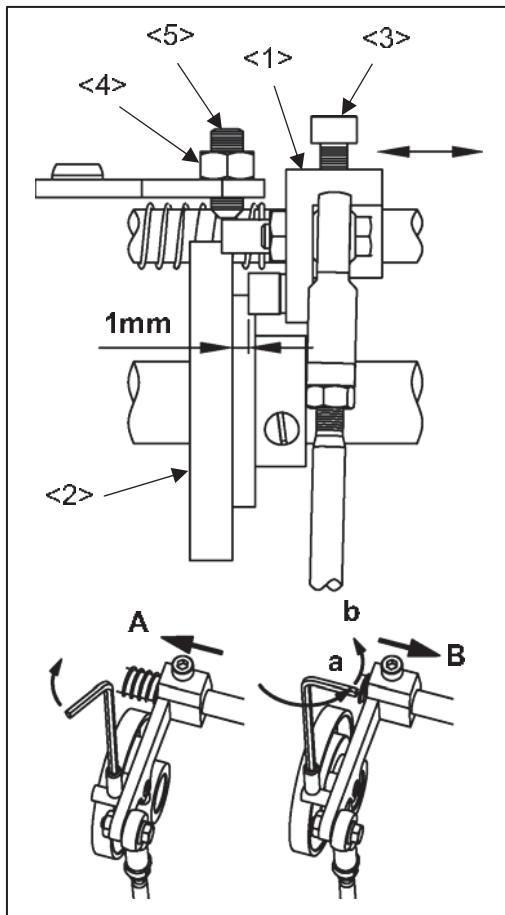
When the take-up lever is down, there must be a 1mm clearance between the roller and the face of the trimmer cam. Loosen the allen screw, push the rod toward the rear of the machine while moving the arm that has the roller attached to it to get the 1mm clearance. Re-tighten the allen screw.

Push the rod toward the rear of the machine while moving the arm with the roller



Adjustment of the trimmer cam

1. Turn the power switch off and remove the top cover.
2. Loosen the arm set screw (No.3) to adjust the cam follower roller on the arm (No.1) to a distance of about 1mm between the cam follower roller and the trimmer cam (No.2).
3. Loosen the nut (No.4) so you can turn the adjusting screw (No.5).
4. Turn the pulley so that the needle bar moves to the lowest position.
5. Push the cam follower arm (No.1) to the arrow direction "A" and put the roller into the cam groove of the trimmer cam (No.2).
6. When tightening the adjust screw (No.5) in the condition described above, the cam follower is trapped into the cam groove. The cam follower arm (No.1) cannot return even when releasing the cam follower arm.
7. Loosen the adjust screw (No.5) until the cam follower arm (No.1) pops back to its original position. Loosen the screw (No.5) an additional $\frac{1}{4}$ turn and then tighten the nut (No.4).



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<1>: Cam follower arm <2>: Trimmer cam
<3>: Arm set screw <4>: Nut <5>: Adjust screw