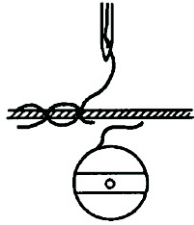


14.Thread trimming fails

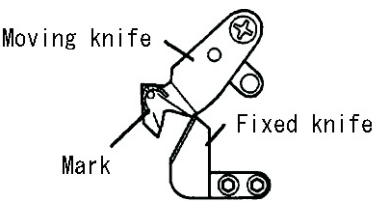
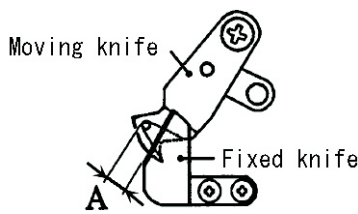
[Example of phenomenon]



[Check item before adjustment]

- Waste thread may be accumulated between the moving and the fixed knives.

Step	Item	Diagnosing Method	Standard	Reference Page
1. ATH lever	Lever position	<p><Diagnosis></p> <ul style="list-style-type: none"> <input type="checkbox"/>Remove the table (assembly), needle plate, the base cover rear-L and the base cover front-L. <input type="checkbox"/>Turn ON the power supply. <input type="checkbox"/>Operate the thread trimmer by pressing the thread trimming key on the operation panel. <input type="checkbox"/>Check the LED is on. <input type="checkbox"/>Measure the clearance (A) between the ATH lever and the stopper when the moving knife has returned to the standby position after completing the thread trimming. 	A = 0.5 mm	[Adjustment] page.46
2. Moving knife	Flaw on moving knife	<p><Diagnosis></p> <ul style="list-style-type: none"> <input type="checkbox"/>Check the moving knife by touching it with your finger. 	No flaw is allowed.	Repair with sand paper (#800) or remove/reassemble
	Standby position	<ul style="list-style-type: none"> <input type="checkbox"/>Turn ON the power supply. <input type="checkbox"/>Operate the thread trimmer by pressing the thread trimming key on the operation panel. <input type="checkbox"/>Measure the clearance (A) between the moving and fixed knives when the moving knife has returned to the standby position after completing the thread trimming. 	A = 0 ± 0.5 mm	[Adjustment] page.47

Step	Item	Diagnosing Method	Standard	Reference Page
3. Knife blade pressure	Parallelism of fixed knife	 <p><Diagnosis></p> <ul style="list-style-type: none"> <input type="checkbox"/> Remove the rear cylinder bed cover. <input type="checkbox"/> Remove the knife connecting plate from the thread trimming lever pin. Move it slightly toward you. <input type="checkbox"/> Put a mark with a water-color marker on the moving knife. <input type="checkbox"/> Check what happens to the marking on the moving knife when the thread is trimmed by pressing the knife connecting plate with your finger. 	Marking on the moving knife must be scraped off evenly.	[Adjustment] page.48
	Knife blade pressure	 <p><Diagnosis></p> <ul style="list-style-type: none"> <input type="checkbox"/> Measure the distance (A) between the fixed and moving knives when they have contacted each other by moving the knife connecting plate with your finger. 	A = 2 to 3 mm	[Adjustment] page.50