









Loosen screw (2) and provide a 0.05 to 0.1 mm clearance between the needle guide () and the needle by moving the needle guide () to the left or the right when the needle is in the lowest position.

注意 爲了防止意外的起動造成的事故,請關掉電源,確認馬達確實停止轉動後再進行。 WARNING: To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work

after turning the power off and ascertaining that the motor is at rest.

HEIGHT OF THE BUTTON CLAMP 0 0 2

12. 抓扣装置的高度

在斷開位置, 鈕扣抓脚①的底面和布壓脚下板 ② 上面的間隔 A, 372的標準爲12mm, 372的標準爲 9mm

The standard clearance (A) between the bottom face of button clamp jaw lever (1) and the top face of feed plate (2) is 12 mm for 373 and 9 mm for 373. Loosen screw (3) and adjust the height of button clamp lifting hook (4).

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13. 布压脚压力的调节 WORK PRESSING FORCE 0 6 4~5mm 0 P 5 2 布壓脚的壓力, 以在轉動螺母



14. 抓脚打开拔杆的调节

①2個螺母的下端和壓脚壓力調節杆 ②的螺絲部間隙爲 4~5mm 時爲標準。

The standard work pressing force is obtained by providing a 4 to 5 mm clearance between the bottom face of nut (1) and the bottom end of the screw of pressure adjusting bar(2).

在斷開狀態, 擰鬆固定螺絲①, 用抓脚打開發杆②開關打開抓脚③,把 鈕扣設定到正確的位置。讓鈕扣容易放 進取出,然後擰緊螺絲①。

Set the machine for stop-motion state, loosen clamp screw (1), place a button correctly in the sewing position and adjust button clamp stop lever (2) to permit the button properly to rest on button clamp jaw levers (3). Tighten clamp screw (1) after determining the distance between the left and right, jaw levers(3)

0

top



行如下調節。擰鬆螺

母①,把螺絲刀插入 第二綫張力杆,沿箭

頭方向轉動的話,針

方向轉動,則變高。

首先量一下鈕扣孔間隔有几mm,4眼鈕扣的竪送量和横送量值 應設爲相同。

★竪送量 向下壓竖送調節杆①,2眼鈕扣時設到0的位置,4眼鈕扣時根據 測定值設定。

杆高度變低, 向相反 (注意)請確認機針準確地落入鈕扣各孔的中心後再運轉縫紉機。

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爲了防止意外的起動造成的事故,請關掉電源,確認馬達確實停止轉動後再進行。

WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.

現 象	針杆高度 Z
 布料裏側的緊线不好時。 斷開時,機线中途斷线時。 經常斷线時。 	稍稍高一點。 稍稍高一點。 稍稍低一點。

Troubles	Needle bar height z	
 When the stitch made on the wrong side of the work-piece is too loose; When the thread is broken at the time of stop-motion; When the thread is broken frequently 	Make the needle bar slightly higher. Make the needle bar slightly higher. Make the needle bar slightly lower.	

Measure the distance between two holes in a button and set equally crosswise and lengthwise feed regulators for 4-hole buttons. * Lengthwise feed

Push down lengthwise feed adjusting lever (1) and set it to "0" for 2-hole buttons or a corresponding amount for 4-hole buttons. * Crosswise feed

Crosswise nut (2) and set pointer (3) to a corresponding amount indicated by the crosswise feed graduation plate. Tighten firmly nut (2). (Caution) Before operating the machine, ensure that the needle enters the center of each hole in the button.

Turn the needle driving pulley as you draw the thread in the direction of the arrow as illustrated and you will find a point atwhich the tension disc on the tension post No. 2 release the thread. At this moment, the standard distance from the top end of the needle bar down to the top end of the needle bar bushing (upper) is 54 to 56 mm. Relation of the needle bar height (above mentioned distance; 54 to 56 mm) to the timing of thread tension release is adjustable by turning the tension post No.2; loosen nut ①, insert the blade of a screw driver to the top slot of the tension post No. 2 and turn it in the direction of the arrow to lower the needle bar, (to reduce the said distance), and vise versa. Your adjustment is required when following troubles are frequency;

17. 针数 SETTING A NUMBER OF STITCHES

變更針數時,打開左側防護罩,用針數調節旋鈕①和針數調節撥杆④(選購品)進行調整。另外,下圖是卸下預備停止 裝置後的圖示,不卸下來也能變换針數。

To change the number of stitches, open the left-hand side cover and chagne the number of stitches using stitch number adjusting knob (1) and stitch number adjusting lever (4) (optional). The illustration gives the machine with the auxiliary stop device removed. The number of stitches can be changed with ease with the auxiliary stop devieceattached.



★8針(6針)的調整方法 設定爲8針時,請把針數調節旋鈕 ①向前拉出然後轉到圖示的位置。



★ 16針(12 針)的調節方法 在設定爲8針的狀態下,把針數調節 旋鈕①再繼續向右轉,把針數調節 旋鈕①設定到圖示的位置。

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★ 32針(24 針)的調節方法 設定爲16針的狀態下,針數調節齒輪 螺絲②轉到下側時,用螺絲③(選購 品)安裝上針數調節發杆④(選購品)。

▲注意 赵彩造成的事故, 該開掉電源, 確認馬達破害 A 18. 关于前线装置的调整 AUTOMATIC TH da.

★ Height of the moving knife thread separation nail

There must be a 0.5 to 0.7 mm clearnace between looper blade point (2) and thread separtation nail().If nail (1) does not provide the necessary clearnace, bend the nail slightly and adjust the clearance.

★ Clearance between the button clamp lifting lever and the adjusting screw

Provide a 0.5 mm clearance between button clamp lifting lever①and adjusting screw②and the tighten nut③. ★How to set the L-shaped lifting rod Put moving knife push -back spring ②, stop-motion rubber cushion (4) and stop - motion rubber cushion washer(5), in this order, to L-shaped lifting rod ①. After making sure that the stop - motion mechanism has engaged completely, fix the L-shaped lifting rod by tightening screw(6) in the way that the end face of the stop-motion rubber cushion washer comes into close contact with the jaw of the mahcine arm.

19. 规	格	SPECIFICATIONS
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	372	373		377
Sewing speed	Max.1,	500 s.p.m	in a	Max.1,500 s.p.m (Normal.300.s.p.m)
Number of stitches	8, 16 and 32 stitches (6, 12 and 24 by changing the cam)		1)	8, 16, 32
Feed amount	Lateral feed 2.5 to 6.5 mm Longitudir		gitudinal	seed oto 6.5ml
Button size	10 to 28 mm			
Needle used	TQx7, TQx1 #16 (#18, #20)			TQx1 #16 (#14) (TQx7 #16 to #20)
Lubricating oil	T10#			

			in terms	372	373	377
縫	紉	速	度	最高每分鐘	童 1,500針	最高每分鐘 1,500針 (常用每分鐘 1,300針)
針			數	8,16,32針(更换凸	輪後可爲6,12,24針)	8,16,32針
送	7	र्ष	量	横向送布2.5~6.5mm 竪送布0~6		5.5mm
鈕	扣	尺	寸	10 ~ 28mm		
使	用	針	號	TQx7, TQx1 #16 (#18, #20)	TQx7, TQx1 #20 (#18)	TQx1 #16 (#14) (TQx7 #16 to #20)
機			油	T10#		

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2 \$28.6 A. 0.0.5.8 / 1.0.6 / 1	故障	原因	91 W
2 22 ACA. 0.11	1 Witz.	②第二续张力整的同步不好。 ③我計器壓線 ④機計没有客列細和的中心。	提早续要力整径起同步。 调即该计器握船指线。 用抓脚交装台调整。
10 10<	2 整线不良。	②第二线张力整的同步不好。 ③第二线张力整的张力不良 ④微計发育落列超和的中心。	柏柏推運续要力整浮起同か時 用第二续要力整調整。 用抵脚支装台调整。
Objevalité P. Objevali	3 至初上第一封的缘约的大長。	线張力推杆调整不良。	调整线张力指杆握线触。
3.2175条 3.2175	4分離時初後不良。	②機計碰到維持孔。 ③抵加裝置上所不良。 ④波針器堅燒不良。	课新和期间下核的图题将12mm
6 百錢和乾總法用點點錄。 ② 移動力分娩式與皮不良 調動移動力分離式的高度。 ① 錄移動力分娩式與皮不良 調動移動力分離式的高度。 ① 錄移動力切換同步不良。 調整移動力位置。	150	確實分開。 ② 機計我有務到該扣約中心。 ③ 最低感針稿針。	用资料安装合调整。 调整臀针,
	STREEMENRIES.		
	7 机铸制布敷削输出将太长。		
8.16.32 ft			

21. TROUBLES AND CORRECTIVE MEASURES

TROUBLES	CAUSES	CORRECTIVE MEASURES		
1. Thread breakage.	 The yoke slide does not move in the correct way. The thread tension post No. 2 fails to release the thread at correct timing. The thread nipper catches the thread. The needle dose not enter the center of the holes in the button. The needle is too thick for the diameter of the hole in the button. 	 (1)Adjust the timing of the motion of the yoke slide at each end. (2)Make the thread release timing slightly earlier. (3)Adjust the position of the nipper bar block. (4)Adjust the button clamp jaw lever holder. (5)Replace the needle by a thinner one. 		
2. Buttons are not sewn tightly.	 The yoke slide does not move in the correct way. The thread tension post No. 2 fails to release the thread at correct timing. The thread tension post No.2 does not give sufficient tension. The needle dose not enter the center of the holes in the button. The work pressing force is too high or too low 	 (1)Adjust the timing of the motion of the yoke slide a each end. (2)Make the thread release timing slightly earlier. (3)Tighten the tension nut of tension post No. 2. (4)Adjust the button clamp jaw lever holder. (5)Adjust the work pressing force properly. 		
 The first stitch trails relatively long thread from the right side of the button. 	The thread pull-off lever does not work properly.	Adjust the thread pull-off lever by the nipper bar block (rear).		
4. Thread trimming failure in the state of stop-motion.	 The thread tension post No. 2 fails to release the thread at correct timing. The needle hits the edge of the holes in the button. The button clamp assembly does not rise to the necessary height. The thread nipper catches the thread or too low. The work pressing foce is too high. 	 Make the thread release timing slightly later to give more tension to the stitches. Adjust the button clamp jaw lever holder. Provide a 12 mm clearance between the feed plate and the button clamp jaw levers when rised. Adjust the nipper bar block. Adjust the work pressing force by the pressure adjusting nut. 		
5. Thread trimming failure.	 The moving knife does not separate the thread on the fabric with its sepratation nail. The needle does not enter the center of the holes in the button. The last stitch skips. The moving knife separation nail is too high or too low. 	Adjust the position of the moving knife. Adjust the button clamp jaw lever holders. Adjust the looper. Adjust the height of the moving knife thread separation nail.		
6. The needle thread is cut in two places on the wrong side of the fabric.	 The moving knife is set in wrong place. The moving knife thread separation nail is too high or too low. 	Adjust the position of the moving knife. when the machine is in the stop-motion state. Adjust the height of the thread separation nail.		
 Buttons trails too long thread after thread trimming. 	 Timing of the moving knife motion is wrong. The button clamp assembly rises too much. 	Adjust the position of the moving knife. Reduce the button clamp lift down to 9 mm.		

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22. STITCH FORMATION



