TMEX-C ASSEMBLY DOCUMENT

( LONG CYLINDER )

1.) Presser foot lower dead point adjustment
   Page 1

2.) Presser foot timing adjustment
   Page 2

3.) Section by section drawing
   Page 3 22

TAJIMA
PRESSER FOOT LOWER DEAD POINT ADJUSTMENT

Parts Description

A.) Presser foot reciprocator lower dead point gauge
B.) Guide roller base
C.) Drive lever
D.) Cam Lever
E.) M4 X 8L Hex cap screw
F.) Presser foot drive lever
G.) M4 X 25L Hex cap screw
H.) Presser foot reciprocator
I.) 90 Degree crank

ADJUSTMENT PROCEDURE

1.) Turn main shaft to 90 degrees. Lightly tighten the presser foot drive cam screw (G).

2.) Turn the main shaft to 180 degrees. Adjust the dead point so that the 90 degree crank (f) is all the way down. Check with gauge or calipers.

3.) Adjust drive lever (C) and cam lever (D), so there is no gap, front to back. The presser foot reciprocator (H) should be touching the gauge. While pressing down on (C), tighten (E). Do not press (H) for this adjustment. This is a preliminary adjustment and fine tuning may be necessary after the machine is reassembled and running.

4.) Make sure there is no gap between a and b.
**Presser Foot Timing Adjustment**

**Parts Description**
A.) Presser foot timing gauge  
B.) Gauge, lower block  
C.) Needle bar clamp gauge  
D.) Gauge, upper block  
E.) 0.3t Feeler gauge  
F.) Cap screw  
G.) Presser foot drive cam  
H.) Cam lever  
I.) Presser foot reciprocator  
J.) Guide roller base  
K.) Needle bar reciprocator  
L.) Presser foot height gauge  
M.) Presser foot clamp  
N.) Cushion bracket  
O.) Presser foot  
P.) Needle plate bracket

**ADJUSTMENT PROCEDURE**

1.) Loosen the presser foot drive cam screw (F). Insert the 0.3t gauge between (H) and (G). Lightly tighten (F).

2.) Turn main shaft to 90 degrees, insert (C) into needle bar reciprocator and rotate shaft until (B) lightly touches (J). Keep pressure on the main shaft to keep the gauge from falling off.

3.) Loosen screw (F). Turn (G) using wrench until (I) makes firm contact with (D), then tighten screw (F).

4.) After reinstalling the needle case, slowly turn the main shaft until (M) touches (N). Place presser foot height gauge (L) on needle plate bracket (P), adjust accordingly. Make sure to reconfirm after needle plate is reinstalled.
PULSE MOTOR DRIVEN ATH
NORMAL STOPPED POSITION
Upper thread hook lever and connecting plate in normal stopped position indicated by solid line.

WHEN REMOVING NEEDLE BAR CASE
Remove the plate stopper spring, move the connecting lever up to the #2 hole. (Upper position indicated by dotted line).

This will move the upper thread hook up 9MM, to keep it from being damaged when removing the needle bar case.
FRAME SPEC.
TABLE INSTALLATION PARTS

ALL MEASUREMENTS DO NOT INCLUDE EDGE

TOKAI INDUSTRIAL SEWING MACHINE CO., LTD.