

USER'S MANUAL & PARTS LIST

UNDER THREAD WINDER

***(SINGLE-PHASE AC100-240V
WIDE RANGE 50/60HZ)***



Foreword

This manual is a guidebook for the optional device “Under thread winder”.

Please read this manual thoroughly and operate the device after you understand the contents.

This manual may contain discrepancies in detailed specification as compared with the actual production.

If you have any question about this manual, consult your TAJIMA distributor.

Please keep this manual with care near the machine for quick reference.

Tokai Industrial Sewing Machine Co., Ltd.

Important safety instructions

Items that require your special attention on operation are specified below.



Indicates that there is a lot of danger of death or serious injuries^[*A] if the instruction is not observed.



Indicates that there is a likelihood of death or serious injuries^[*A] if the instruction is not observed.



Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury^[*B] or property damage.

[*A] A condition caused by electric shock, injury, fracture of a bone, etc., that leads to aftereffects, or an injury that necessitates hospitalization or visits to a hospital over a long period.

[*B] An injury that does not necessitate hospitalization or visit to a hospital over a long period.

 : Prohibited items

 : Items that may cause electric shock if not observed

 : Items that must be followed carefully to ensure safe operation

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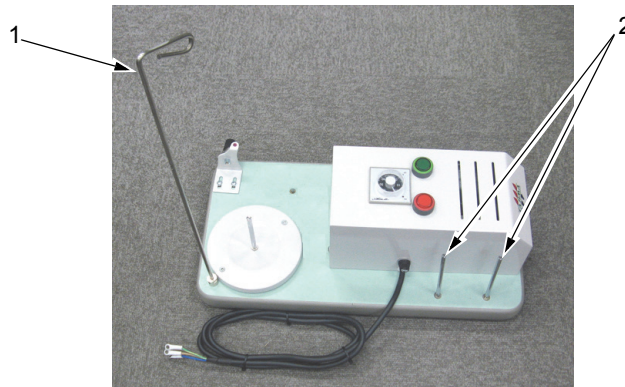
1. Caution

CAUTION

- ❗ When the device is not used, turn the power switch OFF . If the power switch is kept turning ON , you could be injured by unexpected malfunctioning of the device.
- ❗ When the under thread winder shaft runs, pay attention to your clothes and hair not to be caught in this shaft. Otherwise it may result in injury.

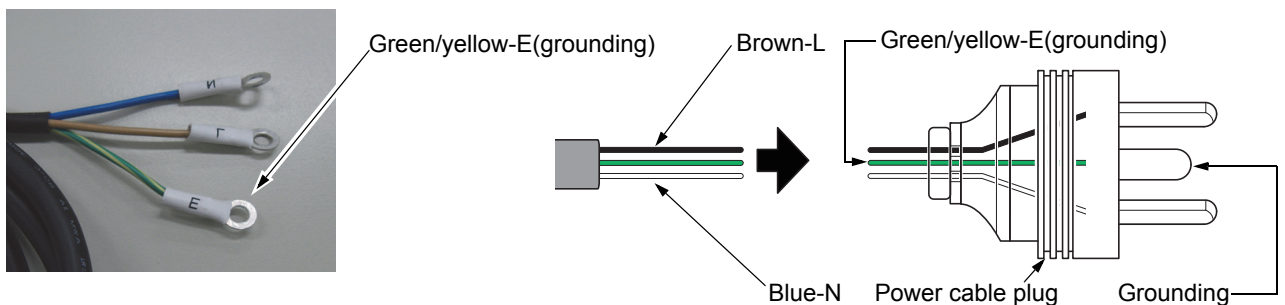
2. Installation

- (1) Open the box and take out the under thread winder. Then, install the thread guide 1 and the bobbin pin 2.



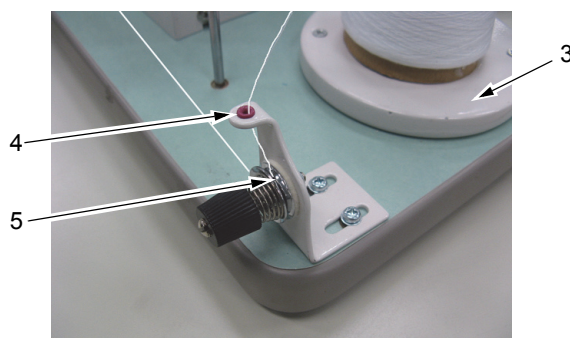
- (2) Connect the power cable to the power plug sold on the market.

 Do not make wrong connection of grounding wires.



3. Threading

- (1) Put the under thread on the thread stand plate 3. Then, pass the thread according to the following order.
A. thread guide 1 => B. ceramic ring (thread guide collar) 4 => C. tension disk 5.

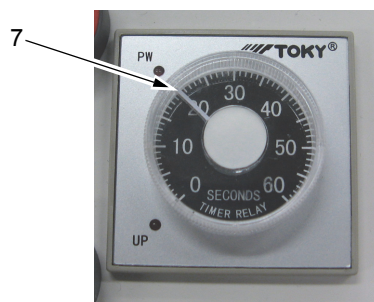
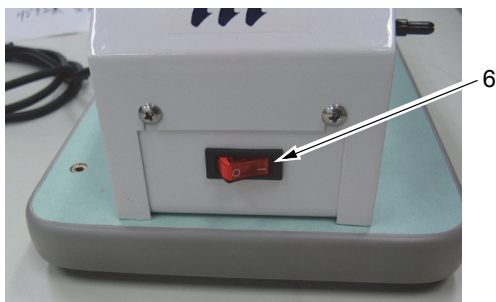


4. Winding

(1) Insert the power plug into the receptacle, turn on the power switch 6 and check if the power indication lamp lights.

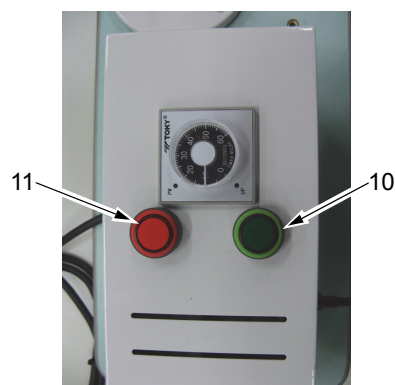
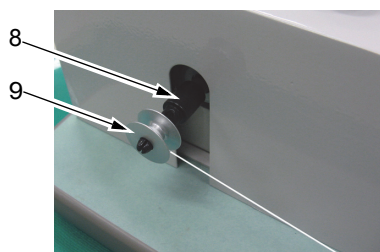
(2) Set the timer 7 to 20 seconds.

 Rough standard times to be set are 20 seconds for the bobbin of regular rotary hook and 30 seconds for the bobbin of jumbo rotary hook. It is necessary to change the setting time depending on several conditions. To change type of bobbin, adjust the time while winding actually.

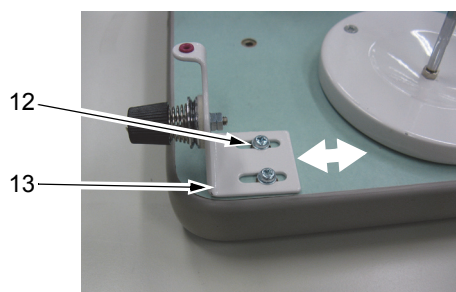
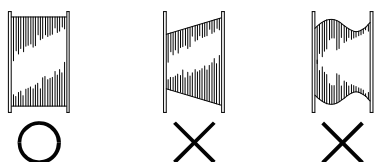


(3) After checking if the under thread winder 8 shaft does not run, put the bobbin 9 on the shaft and wind the thread several times.

(4) Press the green button 10 to start winding. Press the red button 11 to stop.



(5) Adjust the position of the tension bracket 13 by tightening the screw 12 if the thread cannot be wound uniformly.



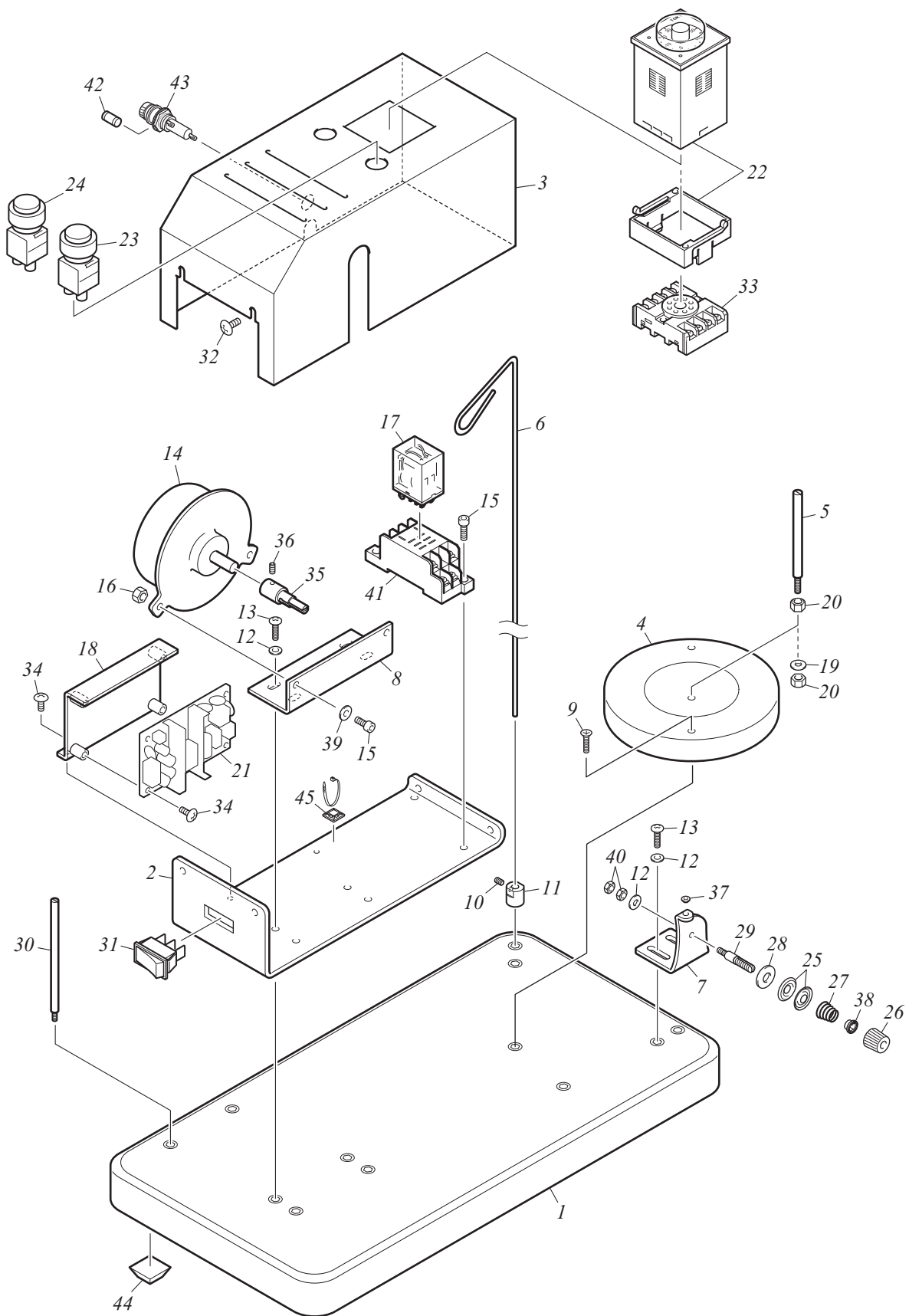
(6) To increase or decrease the thread winding volume, adjust the time on the timer 7.

(7) Wound bobbin 9 can be put on the bobbin pin 2.

(8) When the device is not used, turn the power switch 6 off and unplug the power cable from the receptacle.

Parts list

UNDER THREAD WINDER



UNDER THREAD WINDER

STBW-1

No.	Part Name	Part No.	Remark
1	TABLE BASE :UNDER THREAD WINDER	619000020000	
2	BASE :ELECTRICAL PARTS	619000030000	
3	COVER :UNDER THREAD WINDER	619000040000	
4	THREAD STAND PLATE	619000050000	
5	THREAD STAND STUD	619000060000	
6	THREAD GUIDE :UNDER THREAD WINDER	619000070000	
7	BRACKET :THREAD TENSION	619000080000	
8	BRACKET :MOTOR	619000090000	
9	COUNTERSUNK HEAD SCREW :M4*25	S150042501SD	
10	HEXAGON SOCKET HEAD SET SCREW :M4*3	S170040301TN	
11	BASE :THREAD GUIDE	619000190000	
12	PLAIN WASHER :M4*8*T0.5	S301040820SD	
13	PAN HEAD SCREW :M4*15	S160041501SD	
14	DC MOTOR :DC24V	640400020000	
15	HEXAGON SOCKET HEAD CAP SCREW :M4*10	S120041002TN	
16	HEXAGON NUT TYPE 3 :M4	S212040001SC	
17	RELAY :ARL2F	646200110000	
18	BASE :DC POWER SUPPLY	619000200000	
19	SPRING WASHER :M5	S402050001KC	
20	HEXAGON NUT TYPE 1 :M5	S210050002SD	
21	DC POWER SUPPLY :24V-0.7A	645300400000	
22	TIMER :HA4-1G	642500030000	
23	SWITCH :PUSH BUTTON :AB6M-M1G	642300461000	
24	SWITCH :PUSH BUTTON :AB6M-M1R	642300462000	
25	TENSION DISK	619000100000	
26	KNOB :THREAD TENSION	619000110000	
27	TAPER SPRING :UNDER THREAD WINDER	619000120000	
28	FELT PACKING	619000130000	
29	THREAD TENSION STUD	619000140000	
30	SCREW WITH PIN :NO.1	619000150000	
31	SWITCH :POWER SUPPLY	642300470000	
32	TRUSS HEAD SCREW :M4*6	S130040601MZ	
33	TERMINAL BASE :TIMER	643400190000	
34	TRUSS HEAD SCREW :M3*5	S130030502SD	
35	THREAD WINDER SHAFT :REGULAR ROTARY HOOK	619000160000	
36	HEXAGON SOCKET HEAD SET SCREW :M3*4	S170030401TN	
37	THREAD GUIDE COLLAR :THREAD TENSION BRACKET	619000170000	
38	SPRING HOOK	619000180000	
39	PLAIN WASHER :M4*8*T0.5	S301040805SC	
40	HEXAGON NUT TYPE 3 :M4	S212040002SD	
41	TERMINAL BASE :PTF08A	643400180000	
42	FUSE :F1AL250	642700390000	
43	FUSE HOLDER	645400080000	
44	RUBBER STAND	619000210000	
45	BASE CLAMP	619000220000	
46			
47			
48			
49			
50			

■ **Manufactured by:**
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■ **Authorized Distributor:**

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