Roland

TB-30

Tension Bar Unit Assembly Method

Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The contents of this document and the specifications of this product are subject to change without notice.
- This document and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform us.
- Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur through use of this product, regardless of any failure to perform on the part of this product.
- Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur with respect to any article made using this product.

Roland DG Corporation

R4-230126 FA03108

Company names and product names are trademarks or registered trademarks of their respective holders.

http://www.rolanddg.com/

Copyright © 2020-2023 Roland DG Corporation

Contents

Contents **1**

Tension Bar Unit Assembly Method **2**

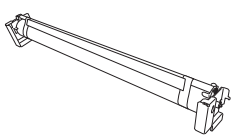
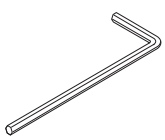
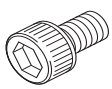
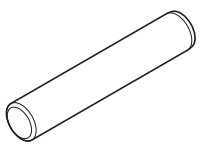
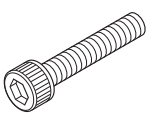
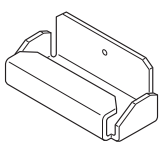
Features of This Machine 2
Included Items 2
Assembly Method 2

Tension Bar Unit Assembly Method

Features of This Machine

This machine is a tension bar unit that is used as a set with the TUC-4 automatic media take-up unit. The tension bar unit is attached to the LEC2-330 or MG-300.
This machine applies tension to the media to stretch it out when printing on thin film material or other such media that lacks firmness. It is effective in take-up when feeding the media just with the left and right pinch rollers.

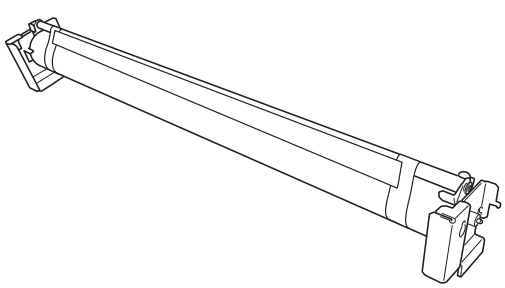
Included Items

 Tension roller (1)	 Hexagonal wrench (1)	 Screw (short; 6)	 Positioning pin (1)
 Screw (long; 4)	 Weight (2)		

Assembly Method

IMPORTANT

Do not remove the tape fixing in place the floating roller (weight roller) before attaching this roller to the machine.



Procedure

1 Attach a weight to the dancer roller of the take-up unit.

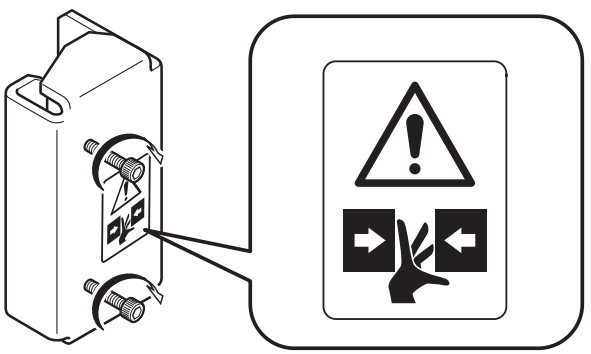
MEMO

The procedure for the right side is shown below. The operations are the same for the left side, but instructions pertaining to the left and right sides must be reversed.

① Temporarily tighten the (long) screws in the weight (in two locations).

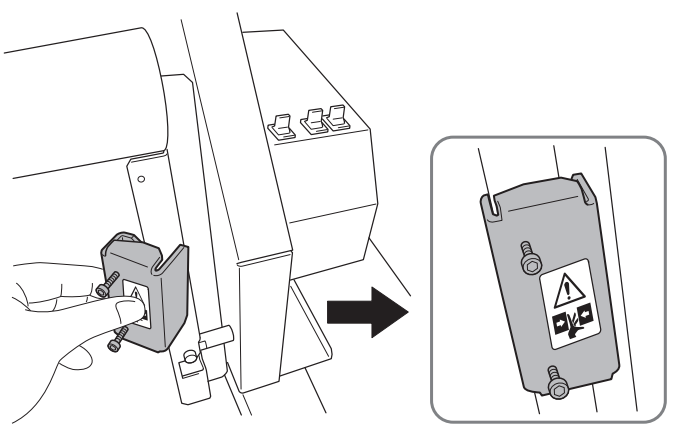
IMPORTANT

Using the incorrect weights on the right and left sides will result in the labels being upside down. Attach the weights so that the labels are oriented correctly. Attach the weights so that their labels are oriented as shown in the following figure.



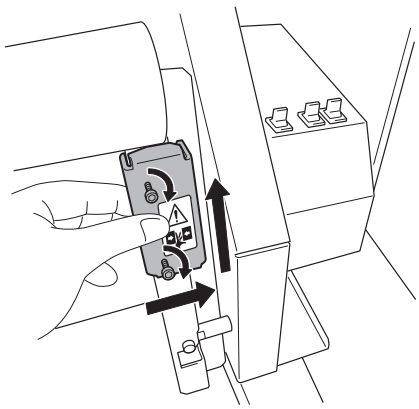
② Set the weight on the dancer roller arm as shown in the figure.

Orient the weight so that the flat side faces out.



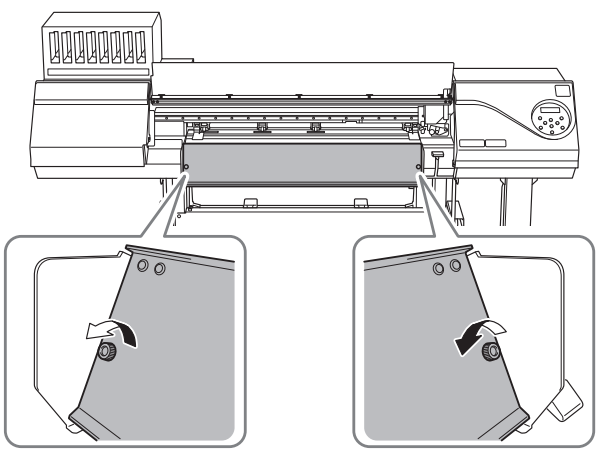
③ Push the weight up and to the outside.

④ **Use the hexagonal wrench to tighten the screws.**



2 **Open the front cover.**

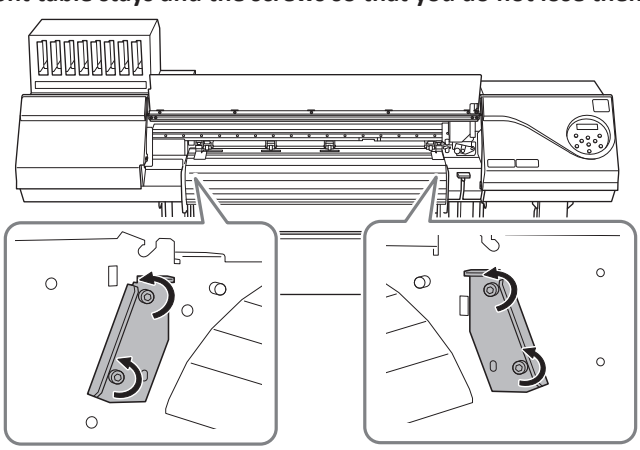
3 **Remove the screws (in two locations), and then remove the front UV shield.**



4 **Use the hexagonal wrench to remove the (right and left) front table stays.**

Point

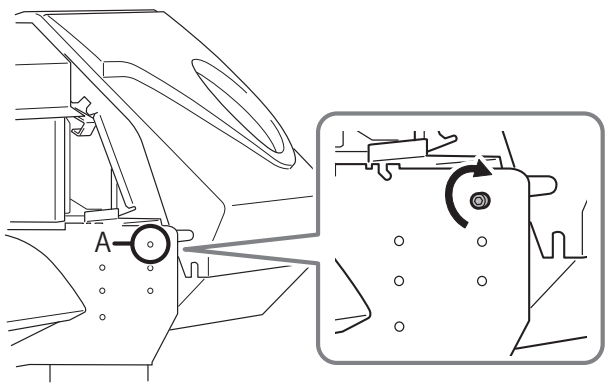
Store the front table stays and the screws so that you do not lose them.



5 Temporarily attach the tension roller to the machine.

① **Attach a (short) screw (in one location) to the position (A) shown in the figure.**

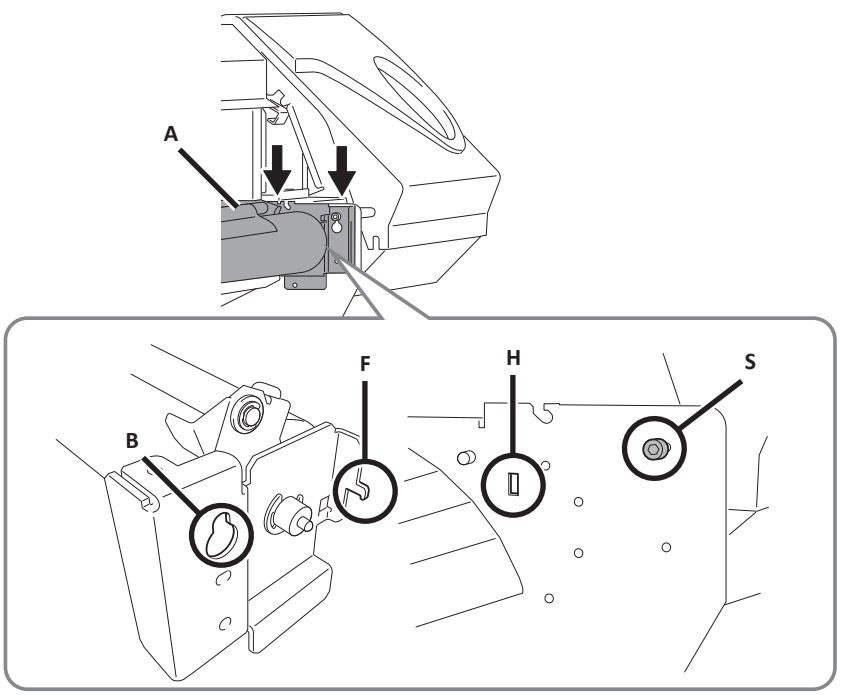
Temporarily tighten the screw, leaving a space between the screw head and the plate of approximately 5 mm (0.20 in.).



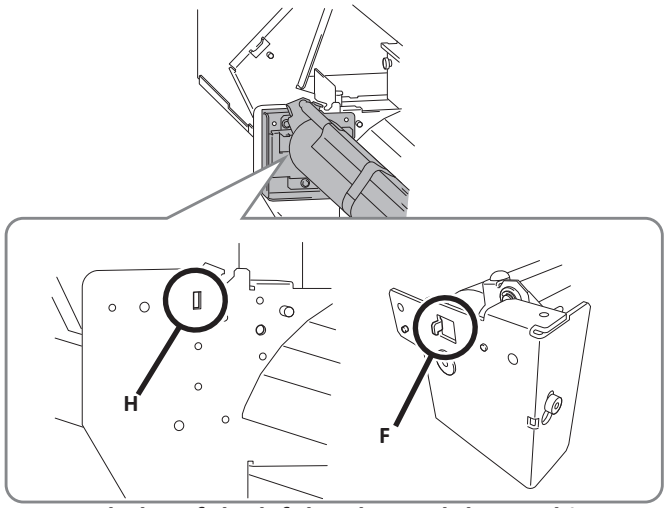
② **Insert the hook (F) of the right bracket of the tension roller into the bracket slot (H) of the machine. At the same time, pass the screw (S) attached in step (1) through the hole (B) in the right bracket of the tension roller. Then, push the bracket down to catch the hook on the slot.**

Point

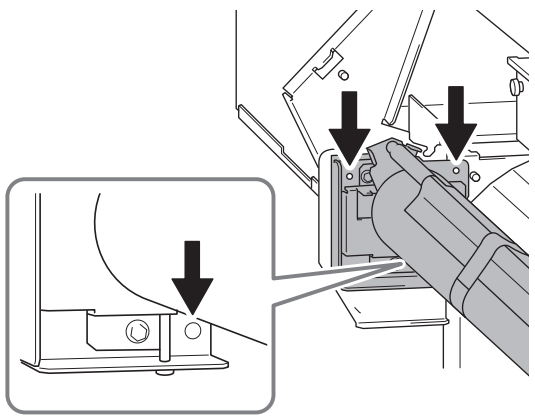
Attach the floating roller so that it is located in the top position as indicated by A in the following figure.



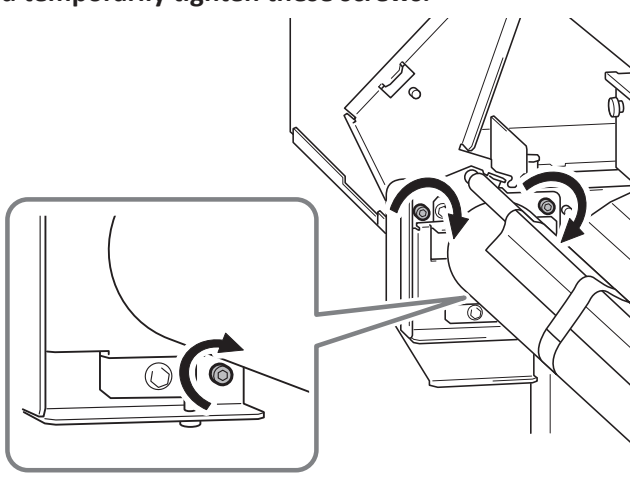
③ **While keeping the floating roller in the top position, insert the hook (F) of the left bracket of the tension roller into the bracket slot (H) of the machine.**



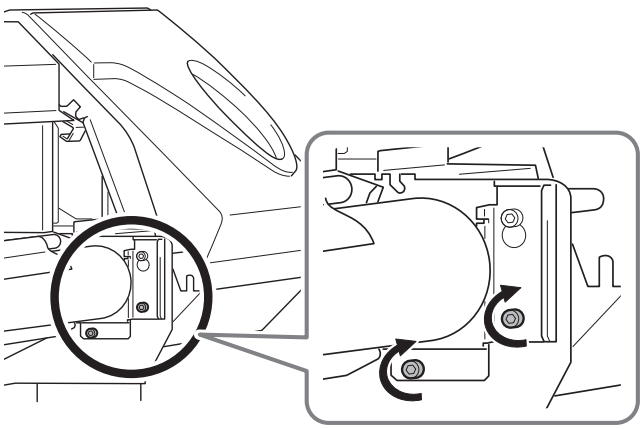
④ **Align the screw holes of the left bracket and the machine.**



⑤ **Insert (short) screws into the left bracket of the tension roller (in three locations) and temporarily tighten these screws.**



⑥ **Insert (short) screws into the right bracket of the tension roller (in two locations) and temporarily tighten these screws.**

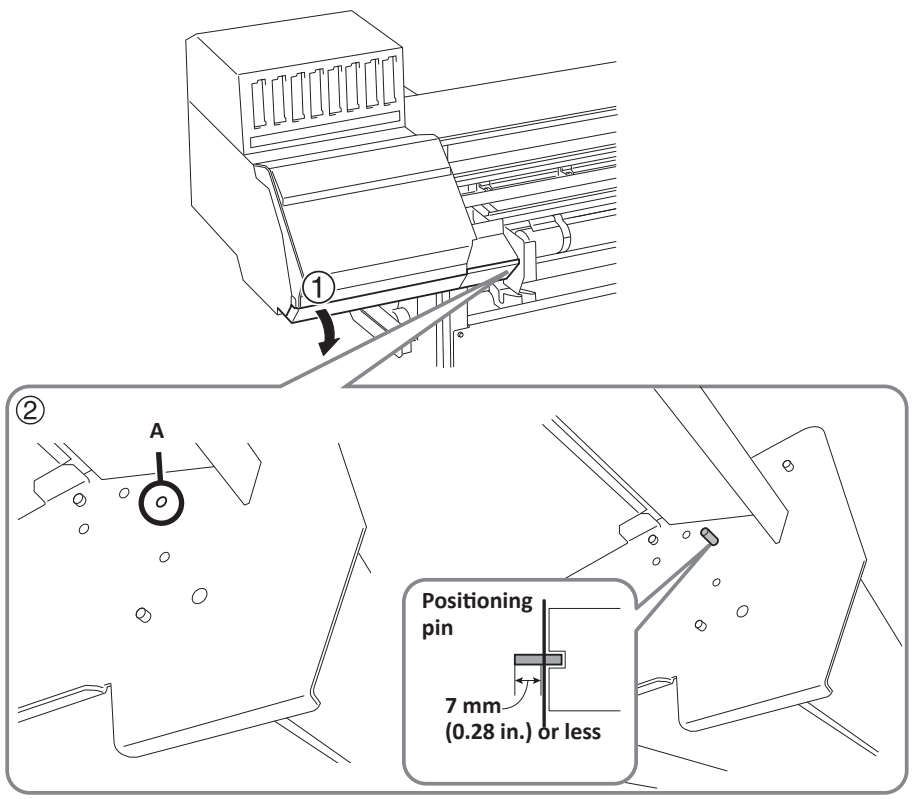


6 Fix the tension roller in place on the machine.

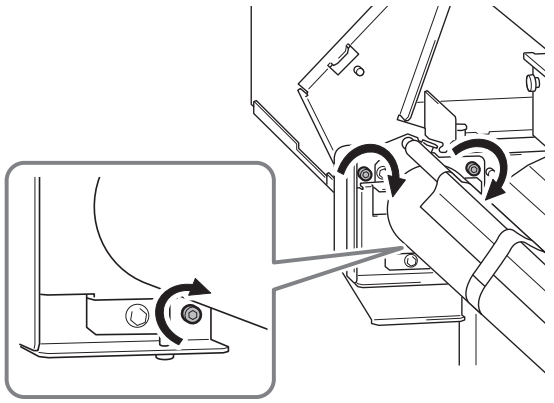
① **Open the (bottom) left cover.**

② **Insert the positioning pin at the position indicated by A in the figure.**

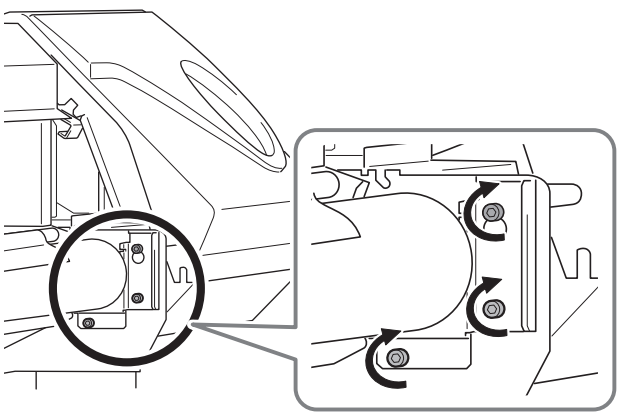
Adjust the tension roller position so that the positioning pin protrudes out from the machine by 7 mm (0.28 in.) or less.



③ **With the positioning pin attached, use the hexagonal wrench to fully tighten the screws on the left bracket of the tension roller (in three locations).**

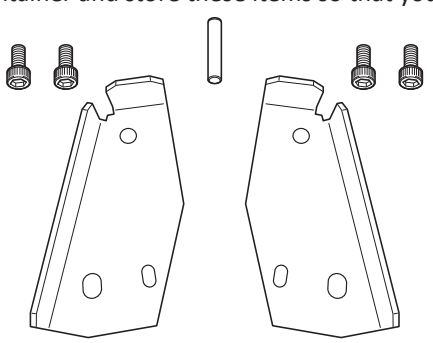


④ **Use the hexagonal wrench to fully tighten the screws on the right bracket of the tension roller (in three locations).**



⑤ **Remove the positioning pin.**

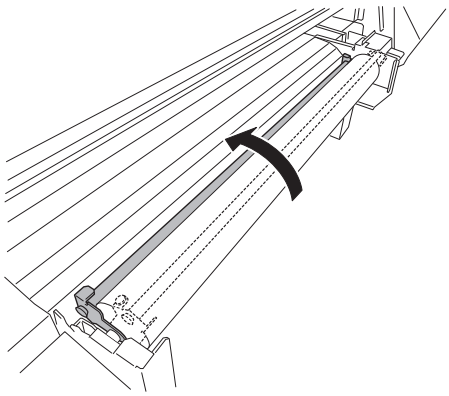
Put the (right and left) front table stays, screws (four), and positioning pin into a plastic bag or a similar container and store these items so that you do not lose them.



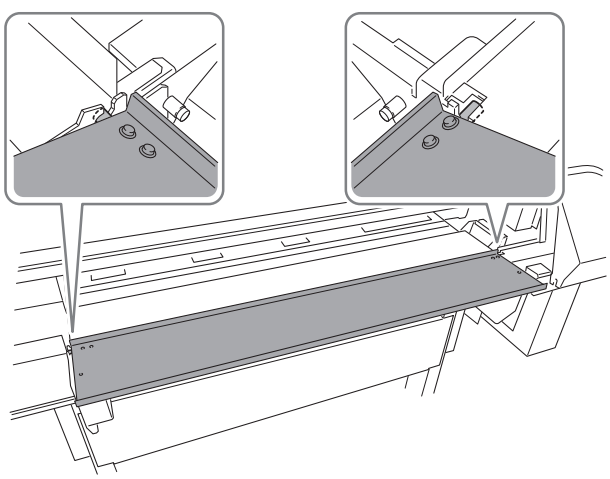
⑥ **Close the (bottom) left cover.**

7 **Remove the tape fixing in place the floating roller.**

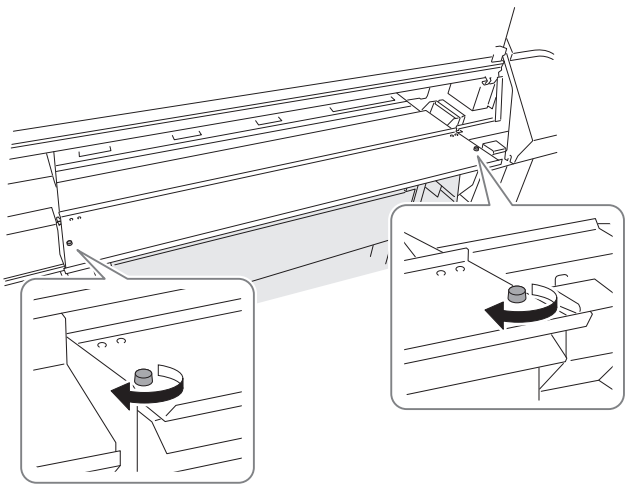
8 **Move the floating roller to the machine side.**



9 **Attach the front UV shield.**



⑩ **Use screws (in two locations) to fix the front UV shield in place.**



MEMO

When loading media, refer to “TB-30 — Loading Media” which you can view from the following hyperlink or QR code.

☞ https://downloadcenter.rolanddg.com/LEC2-640

☞ https://downloadcenter.rolanddg.com/MG-640

MEMO

MEMO