

EVO TRE 32-180

EVO TRE 16-180

How to Remove Glue When Using the Glue Removal Tool (C12C940131)

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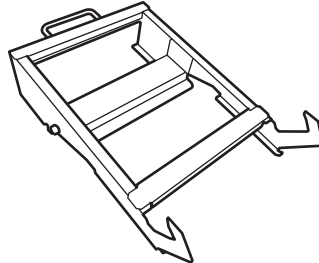
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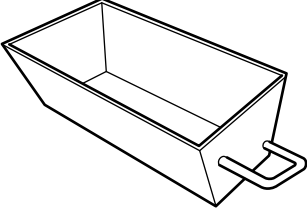
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How to Remove Glue When Using the Glue Removal Tool





Remove the glue that has been applied to the belt.



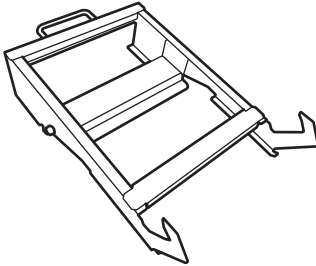




This section describes how to remove glue using the glue removal tool(C12C940131).



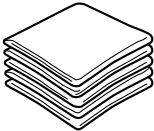

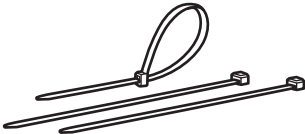



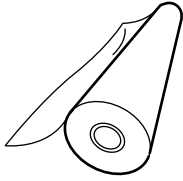

	<p>When using the glue bucket, please refer to the "Glue Removal" in the "Maintenance Guide".</p> <div style="text-align: center;">  </div>
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Frequency	When the fabric attached to the belt rises slightly. When there is damage such as peeling of the glue.
User Permissions	
Required Number of Workers	Min. 2 persons

<p>Personal Protective Equipment</p>	<p>The following is the protective equipment that must be worn when using the glue or glue remover recommended by Epson. For details, refer to the instructions of the SDS for the glue and glue remover you are actually using.</p>	
	<p>Eye protection (For organic solvent use; Optimal is a goggle-type that seals against your face)</p> 	
	<p>Gas mask (For organic solvent use)</p> 	
	<p>Protective gloves (Butyl or polyurethane)</p> 	
	<p>Protective clothing (Long-sleeved)</p>	
	<p>Hair net (Persons with long hair must be tied together with a hair net also worn)</p>	
	<p>Safety shoes</p>	

Required Items		
Item	Quantity	Details
Maintenance key	1	Bundled item
Blade installation part 	2	Bundled item
Application rod 	1	Bundled item
Glue removal tool 	1	Optional item Product No.C12C940131 Press this against the belt and scrape off the glue.
Blade 	1	Bundled item Attach to the glue removal tool to remove the glue.
Support block 	2	Bundled Items with the Glue Removal Tool Attach this to the blade installation part, and use it to remove glue.
Glue-removal felt 	1 sheet	2 sheets bundled. After these are used, use commercially available felt products of the same size: 190 (Width) x 45 (Length) cm {75 x 18 in}
Glue remover 	5 to 10 L	Recommended product <ul style="list-style-type: none"> • Cleanser TS (Murayama Chemical Laboratory) • ATR1222 (ATR) • ATR3222 (ATR)
Ethanol	0.25 L	Commercially available

Required Items		
Item	Quantity	Details
Spray bottle (For ethanol) 	1	Commercially available
Hex key 	1 set	Commercially available
Wipe cloths 	Proper amount	Commercially available
Bucket for glue remover 	1	Commercially available
Cable ties 	Approx. 4 ties	Commercially available
Phillips-head screwdriver Size: No.2	1	Use to remove parts when cleaning the glue removal tool.
Rubber spatula or plastic spatula 	1	Commercially available
Bag Capacity: 15 L or more Size: <ul style="list-style-type: none"> • When using a large bag 350 [W] x 200 [D] mm (13.78 [W] x 7.9 [D] inches) or more • When using a small bag 550 [W] mm (21.65 [W] inches) or more 	1	Commercially available Use by attaching to the glue removal tool. Use a material that does not dissolve when exposed to organic solvent, such as polyethylene.

Required Items		
Item	Quantity	Details
bags or plastic sheets (a material that does not dissolve in organic solvents) 2 m (78.74 inches) (width) x 3 m (118.1 inches) (length) Thickness: 0.15 mm (0.006 inches) or more	 Proper amount	Commercially available Used to protect the product bottom.
Curing tape	 Proper amount	Commercially available

 CAUTION	
    	Wear eye protection, protective gloves, protective clothing, and respiratory protection when performing these procedures. Check the Safety Data Sheet (SDS) for the glue or remover you will actually use for details, and wear the necessary protective gear.
 	<ul style="list-style-type: none"> Wear a hat so that your hair does not fall onto the belt. Long hair should be tied back and worn under a hair net.

Work environment conditions

- Avoid work in high-temperature, high-humidity environments. The glue might not be applied evenly, resulting in water droplets remaining after belt cleaning.
- Work in an environment that is clean and dust-free (meaning dust does not accumulate for 5 to 10 minutes after cleaning).

Preparation

- 1 Check that the machine is in the Power Off Status.
- 2 Two persons are required to remove the fabric.
(For more information, refer to "Set the Fabric" in the "Operation Guide".)



CAUTION

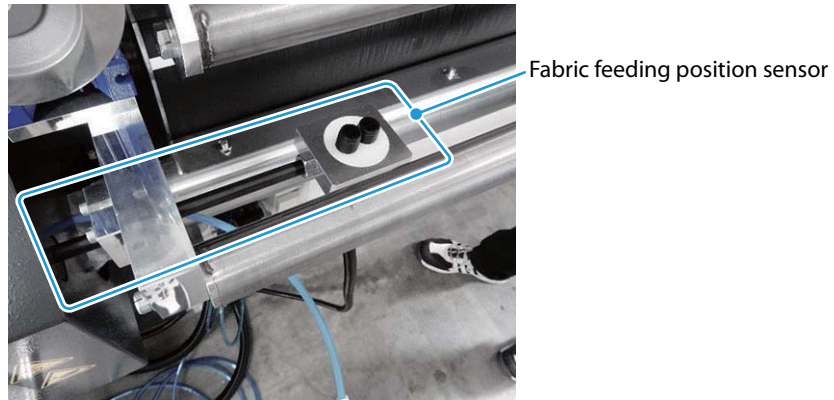
Make sure that removal and installation of the fabric roller is performed by two or more workers due to the weight of the fabric.
When lifting the fabric roll, make sure you bend your knees sufficiently and lift in a natural position.



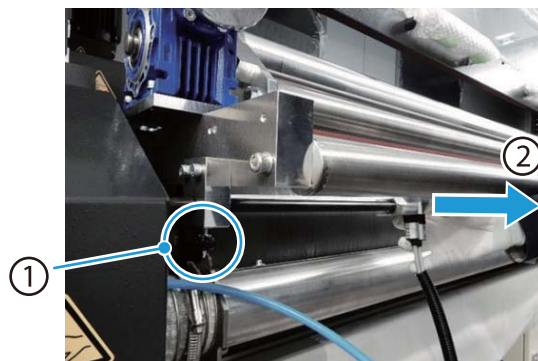
- 3 Remove the towel roller.



4 Remove the fabric feeding position sensor.



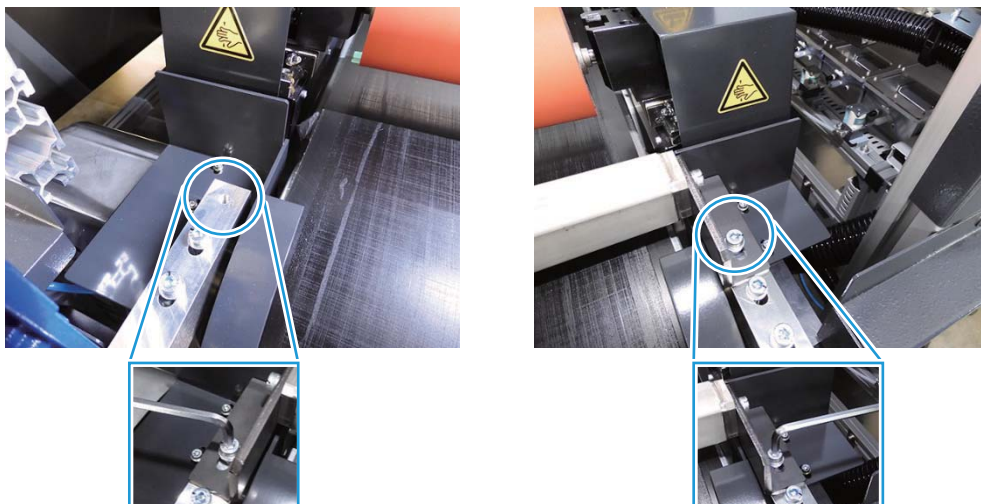
Turn by hand and loosen screw [1] under the sensor unit and remove the sensor unit in direction [2].



5 Open the rear protection cover.

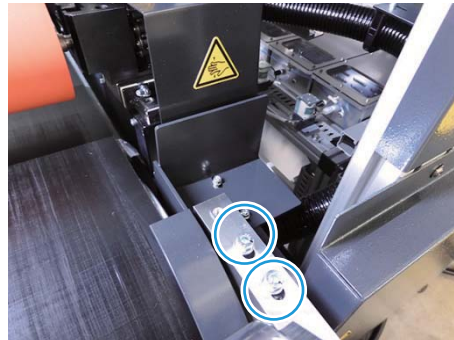
6 Remove the fabric guide bar.

Remove the screws on each side of the roller (1 each) using the hex key (width: 6 mm).



7 Two persons are required to remove the fabric guide bar.

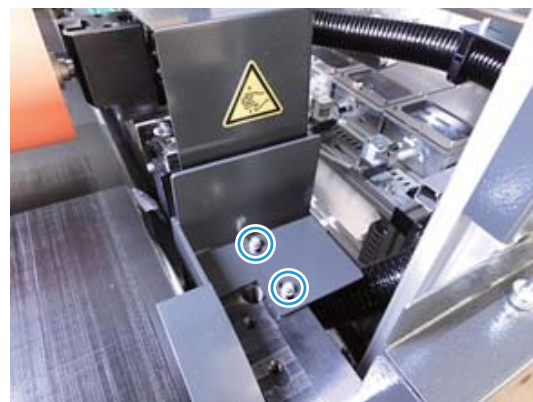
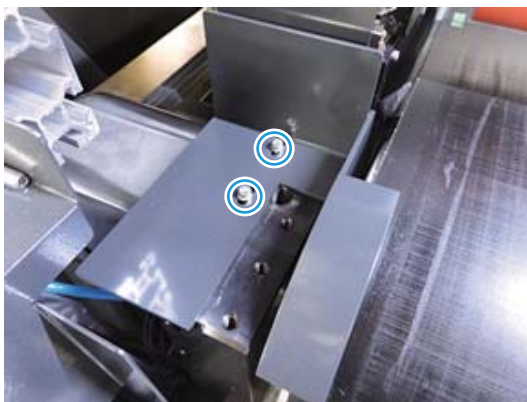
- 8** Remove the tension roller.
Remove the screws on each side of the roller (2 each) using the hex key (width: 5 mm).



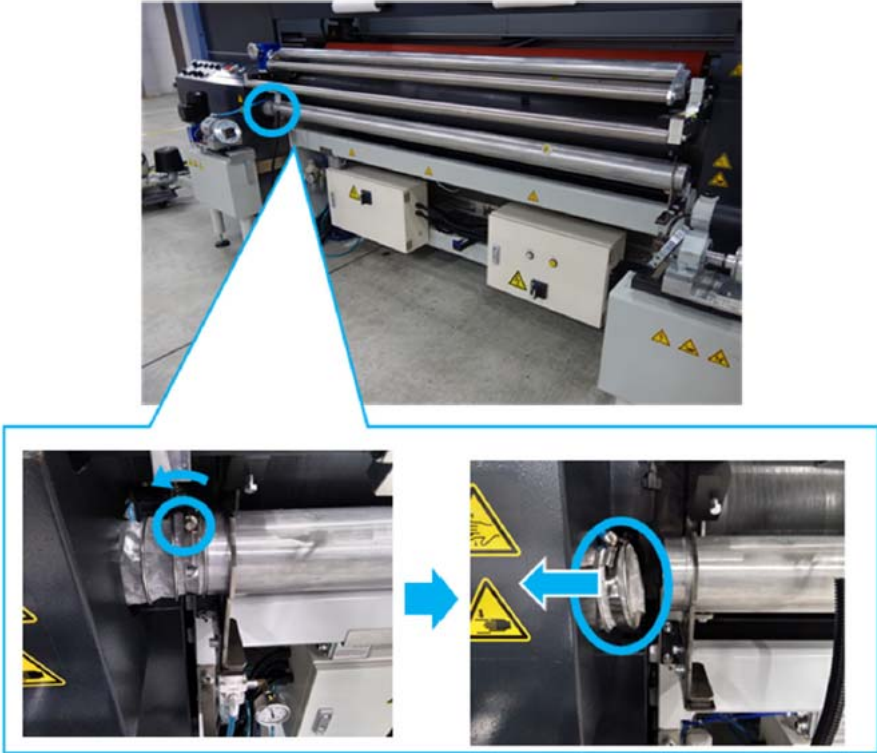
- 9** Two people are required to remove the tension roller.



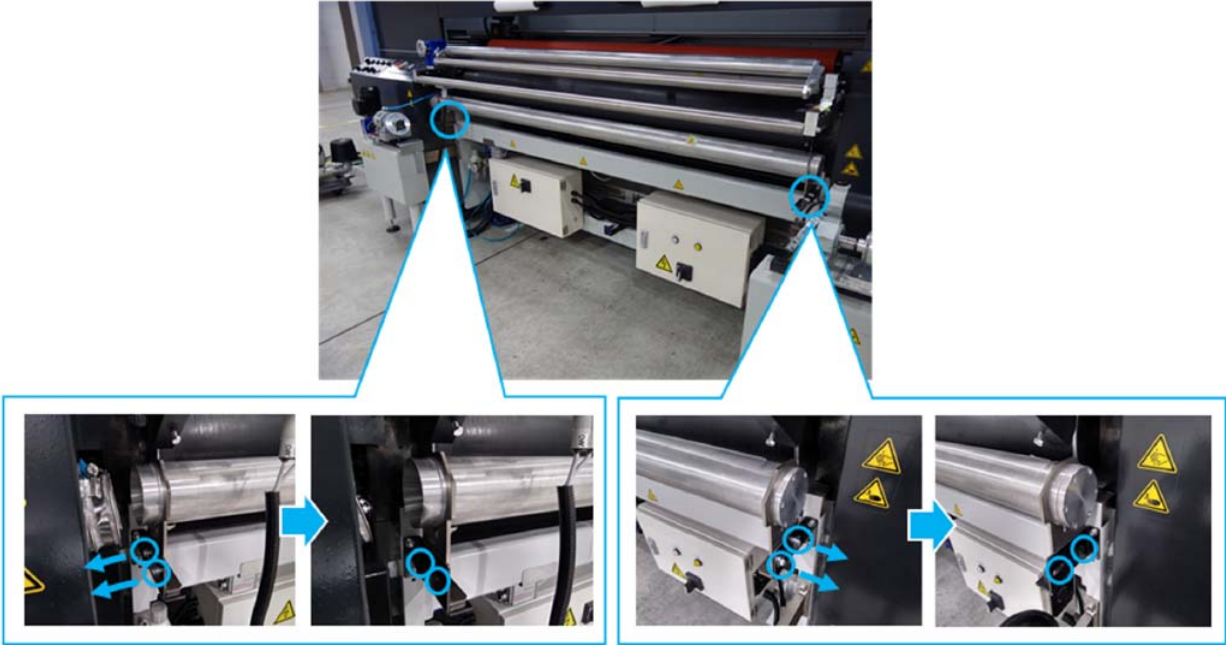
- 10** Remove the catching-prevention cover of hair and body parts on the right and left sides of the belt.
Remove the screws (2 each on left and right) of the catching-prevention cover using the hex key (width: 4 mm).



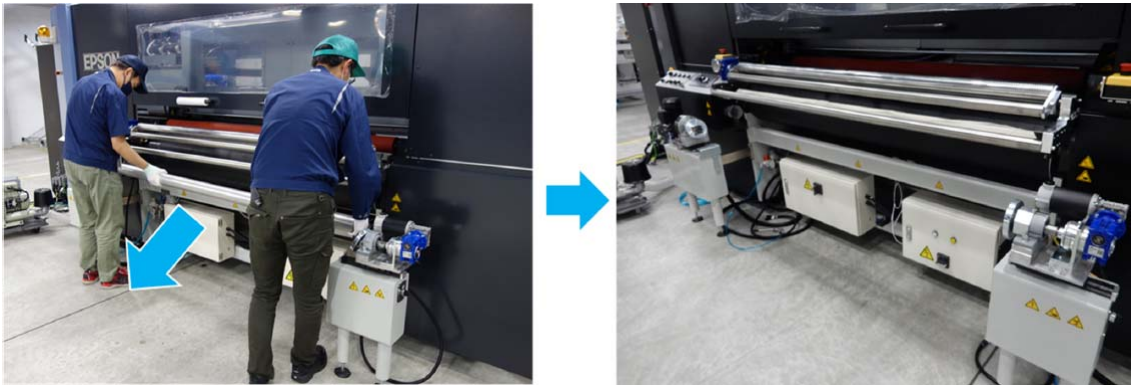
11 Use a spanner (width: 7 mm) to loosen the screw on the blower hose, and remove the blower hose from the blower.




12 Loosen and remove the screws on the blower (4 each) using the hex key (width: 5 mm).



13 With two persons, pull out the blower toward you and remove it.

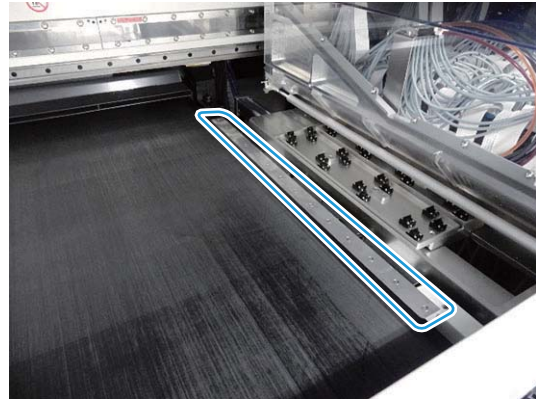
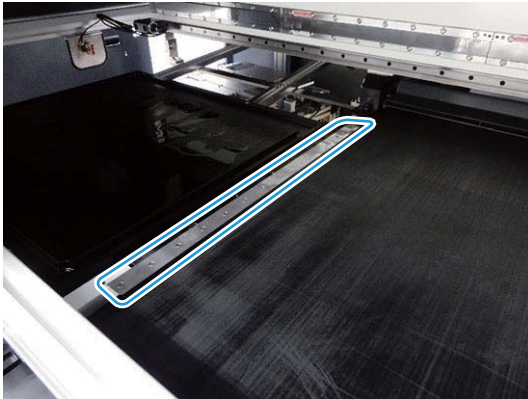


14 Remove the pressure roller.
Lift the pressure roller vertically to remove it.

 CAUTION	Make sure that removal and installation of the pressure roller is performed by two workers due to the weight of the roller. When lifting a pressure roller, lift with your legs and not your back.
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- 15** Move to the front of the machine, and then remove the belt holder covers from both sides of the belt.
Remove the screws (14 each) of the belt holder covers using the hex key (width: 2.5 mm) and remove the covers.



- 16** Pull out the belt cleaning tank.
Perform steps 1 to 6 in "Replacing the washing T-shaped scraper."
For more information, refer to "Washing T-shaped Scraper Replacement" in the "Maintenance Guide".



When you pull out the belt cleaning tank, an emergency stop occurs.

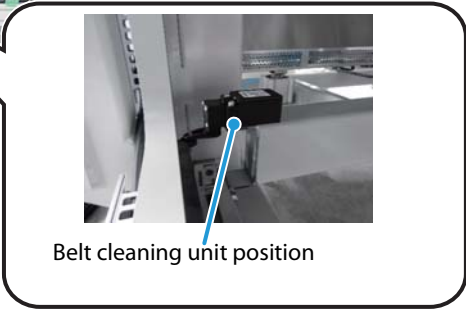
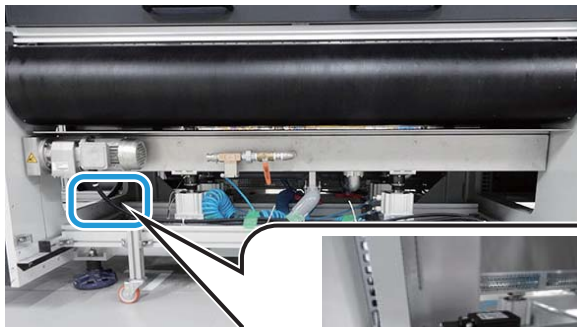
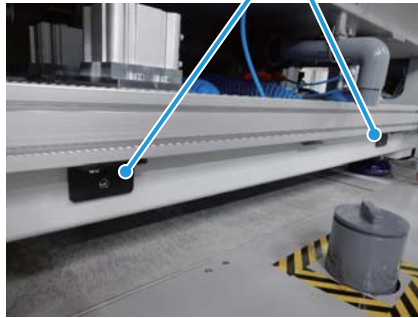
- 17** The electric box is protected to avoid contamination from glue or solvents.
Example: Cover them with bags or plastic sheets.
- 18** Return the belt cleaning tank to the original position.
For more information, refer to "Washing T-shaped Scraper Replacement" in the "Maintenance Guide".



When returning the belt cleaning tank to the original position, check if the two fasteners on the belt cleaning tank are touching the machine, and if the belt cleaning tank is touching the belt cleaning unit position sensor.

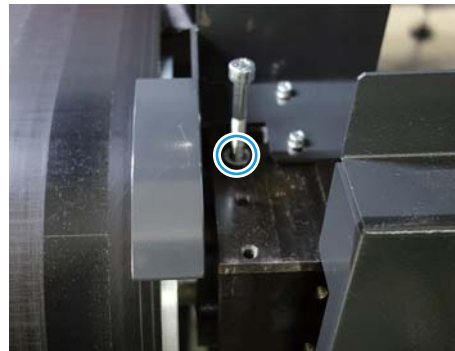
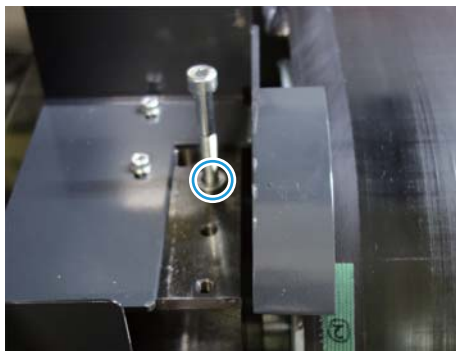
If there is a gap between the two fasteners on the belt cleaning tank and the machine, or if the belt cleaning tank is not touching the belt cleaning unit position sensor, the machine enters the emergency stop condition and will not operate.

Fasteners on the belt cleaning tank



Belt cleaning unit position

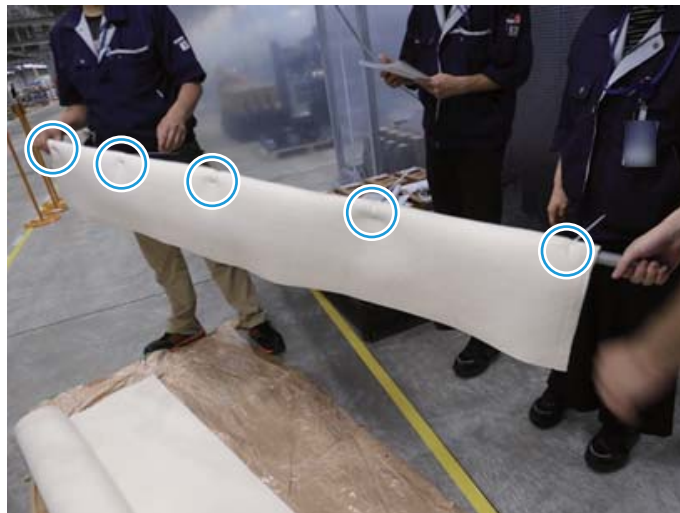
19 Install the two screws (M8x55) removed in step 8 into the 3rd screw hole from the front on both sides.



20 Attach the felt to the cloth rod.



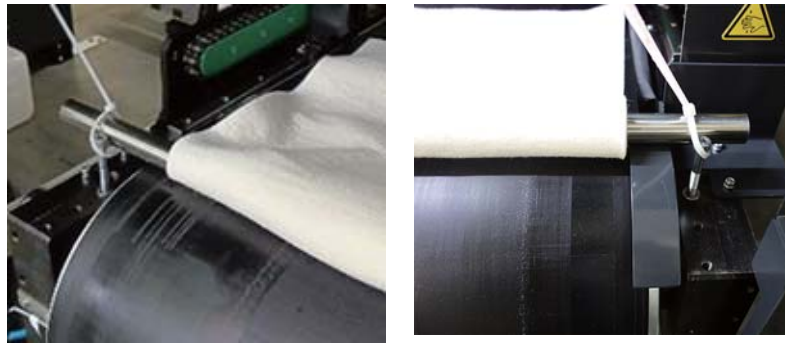
When using commercially available felt:
Sew the ends into bag shapes to make mounting holes, or use cable ties to secure the felt in place after wrapping the felt around the cloth rod.
Example: Securing the felt with cable ties



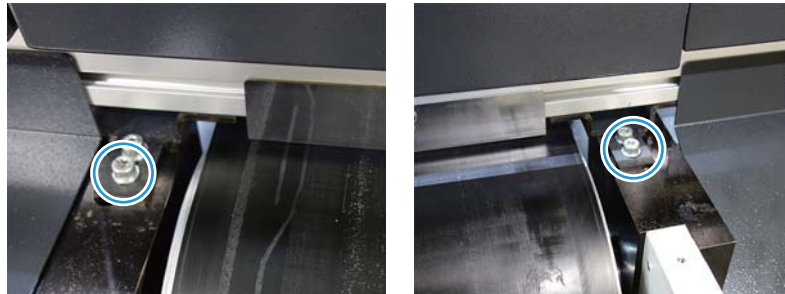
21 Place the cloth rod on the belt.



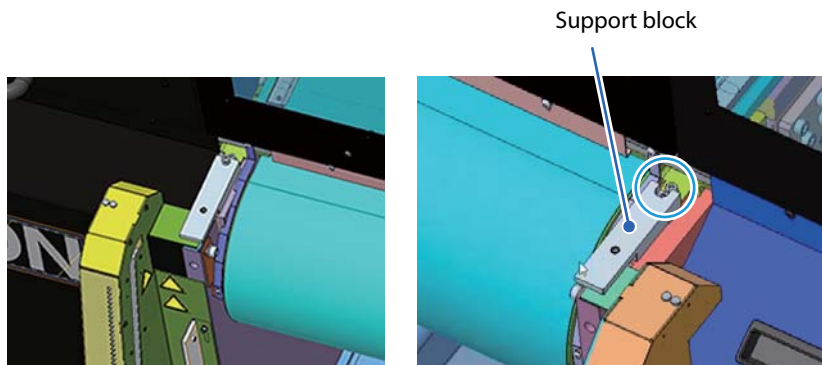
22 Use cable ties to secure the cloth rod to the screws installed in step 19.



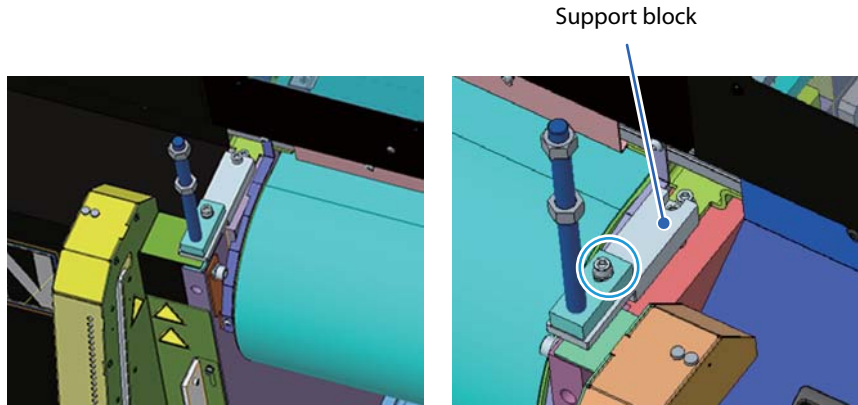
23 Move to the front of the machine, and remove the front bolts from the bracket that is securing the aluminum frame.



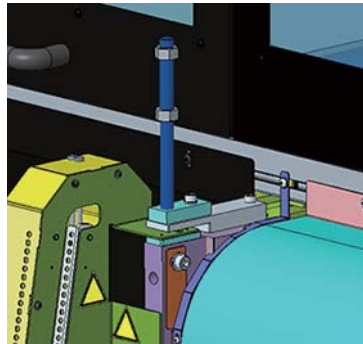
24 Align the screw holes on the support blocks, and then install the bolts that were included with the support blocks. Tighten the bolts evenly.



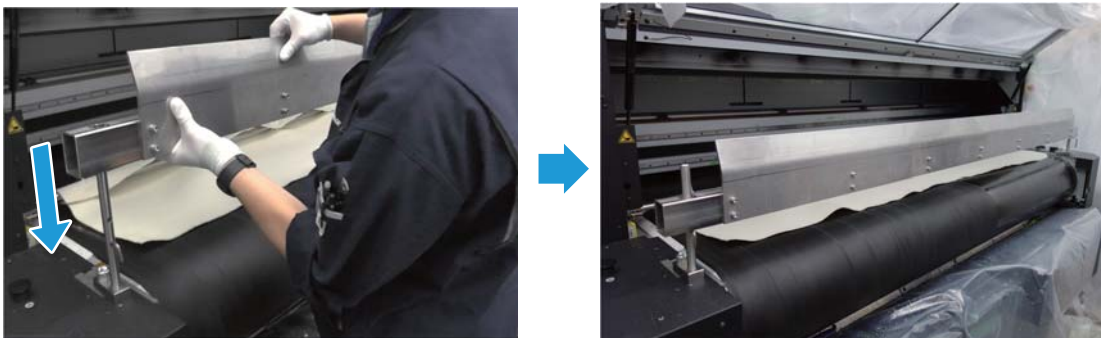
- 25** Install the blade installation parts on the support blocks, and secure them with screws.



- 26** Adjust the height of the nuts on the blade installation parts on both sides to 45 - 50 mm. Set them to the same height on both sides.



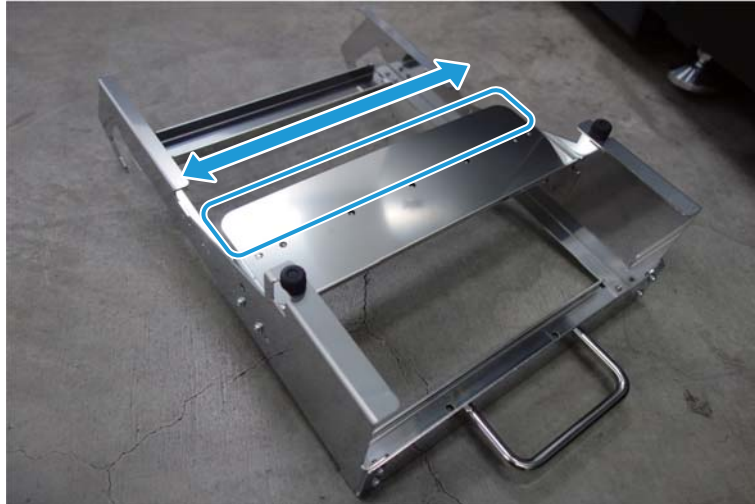
- 27** Have two people lift up the blade with the blade facing up, and pass the blade installation parts through the holes on either end of the blade. Lower the blade slowly and evenly on both sides.



This completes the work.

Preparing the glue removal tool

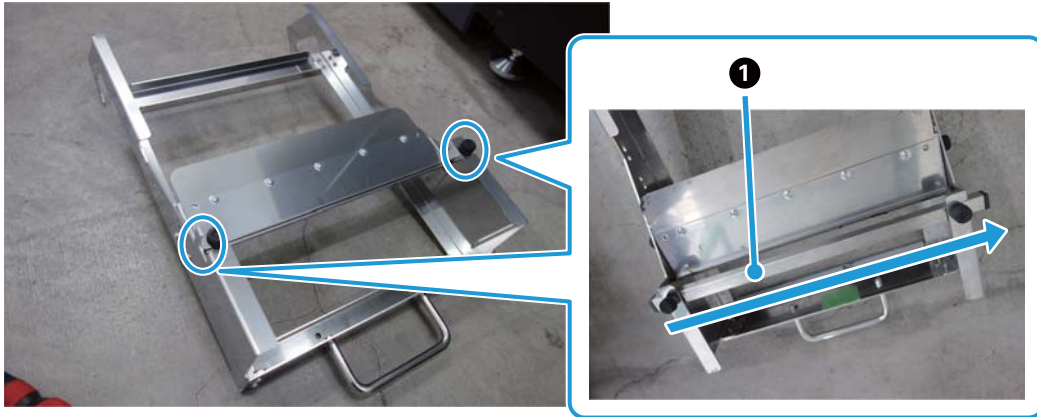
- 1 Wipe both sides of the glue removal tool blade with an ethanol-soaked wipe cloth.**
If the dirt cannot be removed, soak a wipe cloth in glue remover to wipe it off.
Dispose of the used wipe cloths in the proper manner for industrial waste.



- 2 Loosely attach the two screws to the glue removal tool by hand.**



- 3** Pass the bar through the holes in the glue removal tool.



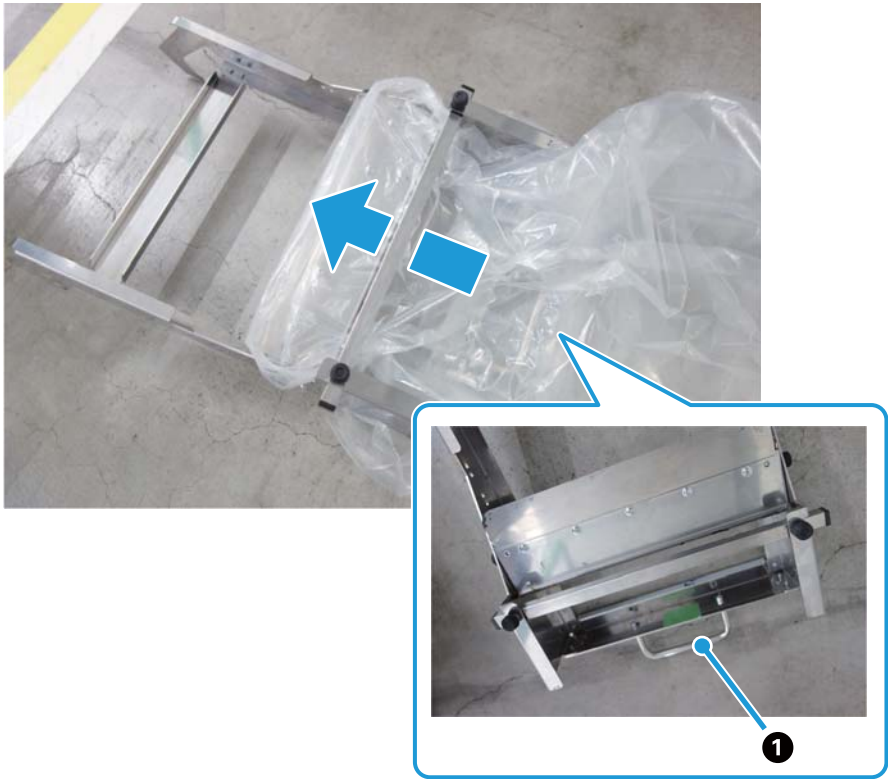
[1] Bar

- 4** Tighten the two screws so that they are not loose.



5 Pull one side of the bag from the handle side of the glue removal tool and under the bar.

Pull out enough to cover the bar of the glue removal tool.



[1] Handle

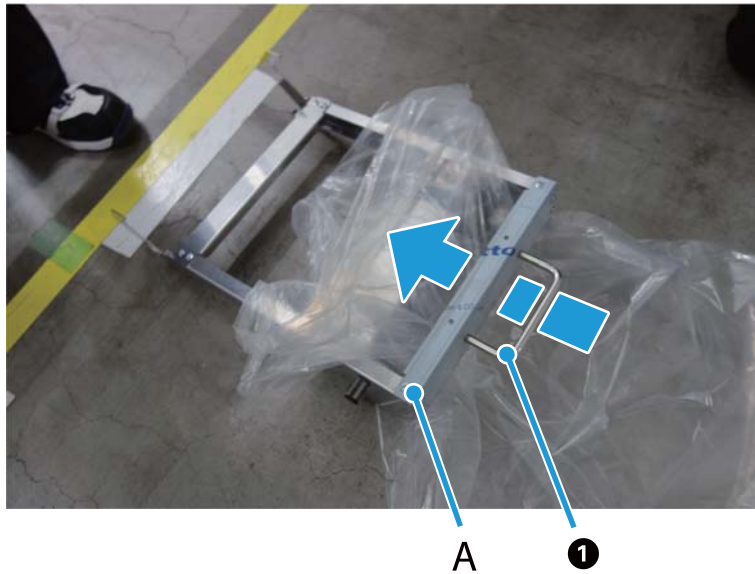
6 Cover the bar with the pulled-out bag and secure it to the glue removal tool in about three places with protective tape.



After applying the tape, turn over the glue removal tool.

7 Pull the unsecured side of the bag from the handle side of the glue removal tool and under A.

Pull out enough to cover the handle and sides of the glue removal tool.

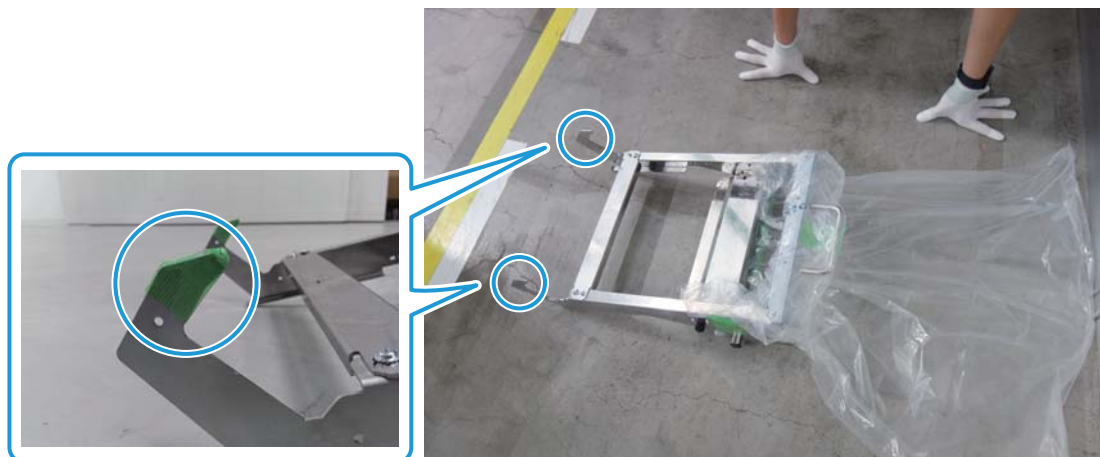


[1] Handle

8 Cover the handle and sides of the glue removal tool with the pulled-out bag, and secure it to the glue removal tool in about three places with protective tape.



9 Cover the tips of the hooks of the glue removal tool with protective tape.



Changing Leonardo to Glue Application Mode

Change to glue application mode to rotate the belt continuously. In this mode, you can use the belt speed volume to adjust the belt rotation speed.

- 1 Start up Leonardo.**
- 2 Insert the key into the maintenance key switch, and turn it to the right.**
Leonardo switches to the glue application mode.



CAUTION

Do not insert the maintenance key except for when applying glue. Inserting the maintenance key disables the belt operation safety function, resulting in a dangerous situation. The key used for the maintenance for glue re-application must be in a safe and locked place and under the full responsibility of the person in charge of.

- 3 Set the scale of the belt speed volume in the electric box to 0.**



- 4 Place a check mark in [Feedrate enable] in Leonardo and then click [+].**
When continuously feeding the belt, you can adjust the feeding speed using the volume in the electric box.

Glue Removal

- 1** Turn the main power switch to 1 (ON) to turn the power on.
- 2** Set Leonardo in glue application mode.
(For more information, refer to ["Changing Leonardo to Glue Application Mode"](#) on Page 22.)
- 3** Pour the glue remover into the glue remover bucket.



CAUTION

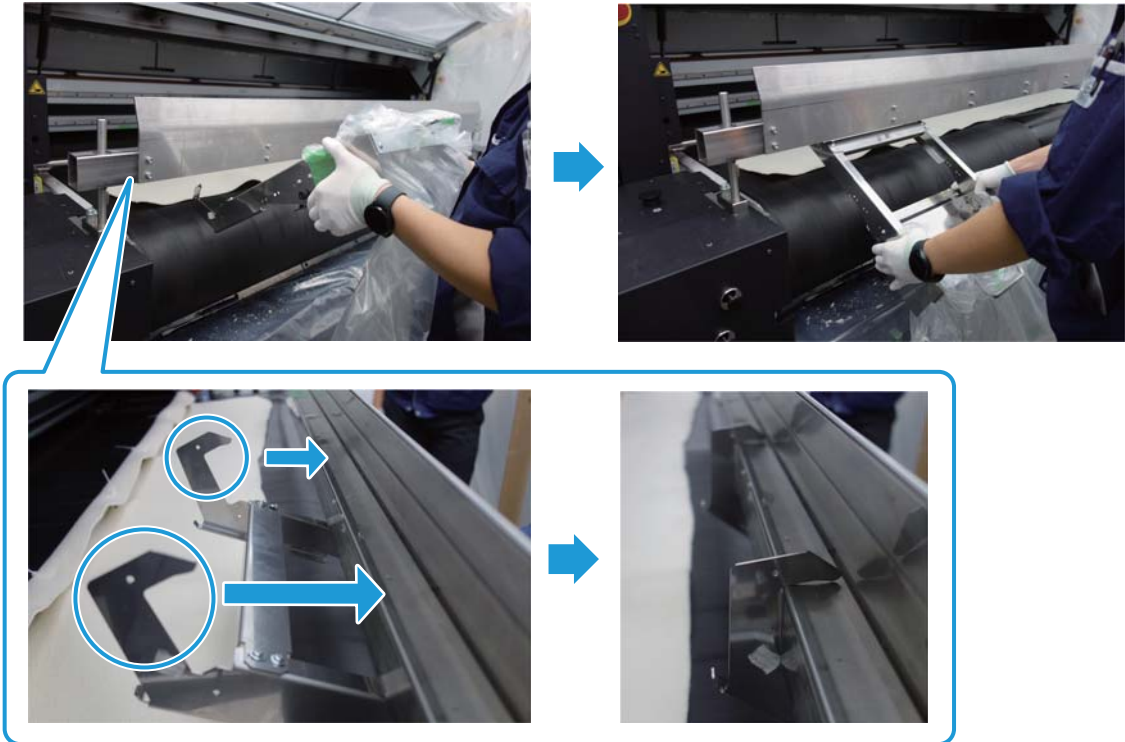
When using the glue remover, wear the personal protective equipment for organic solvent use, such as protective gloves, eye protection, and respiratory protection.

- 4** Soak the felt with an appropriate amount of remover
Worker 1 (at the rear of the machine): Soak the felt a little at a time so that the remover completely permeates the felt.



- 5** Set the scale of the volume in the electric box at 1 to 3, and then rotate the belt in the forward direction.
- 6** Gradually soak with the glue remover until it is uniformly spread.
- 7** The glue on the belt surface begins to dissolve. Make sure that the glue becomes loose and rises slightly along the entire belt.
- 8** When the glue rises slightly along the entire belt, raise the scale of the volume in the electric box 3 to 5.
- 9** Start performing glue removal work.
Worker 2: Take the glue collection basket and move to the front side of the machine.

10 Hold the glue removal tool with the tips of the hooks facing toward you, pass them under the blade and hook them over the back of the blade.



11 Worker 1: Hold the handle of the glue removal tool firmly with both hands, and then scrape off the glue by pressing the blade of the glue removal tool against the surface of the belt so that the blade gives a little under the pressure.

Worker 2: Use a scraper or similar tool to scrape off glue adhering to the blade of the glue removal tool into the vinyl bag attached to the glue removal tool. When the glue remover on the surface of the belt has dried, soak the entire surface of the felt with more glue remover.



CAUTION

Do not press the glue removal tool too hard against the belt. Doing so may damage the belt.



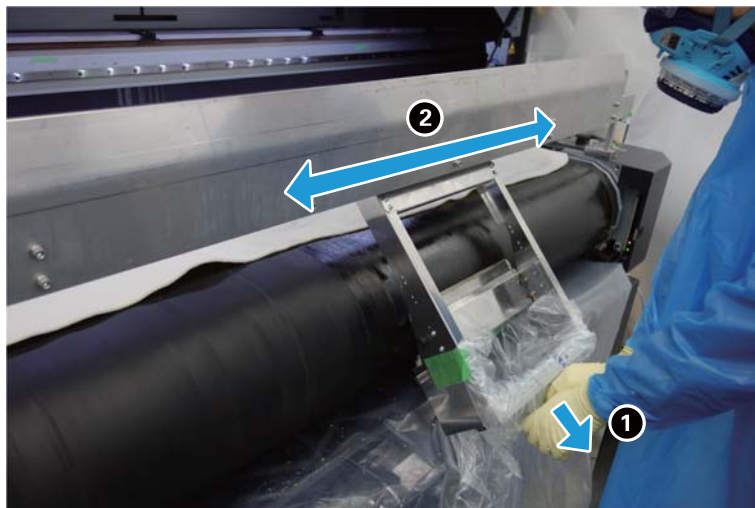
12 Worker 1: When the glue has been removed and cannot be scraped off any further, lift the glue removal tool while keeping the hooks hooked over the blade.

Pull the glue removal tool toward you to move it to an area where the glue has not been scraped off, and then continue in this way to scrape off the glue from the rest of the belt.

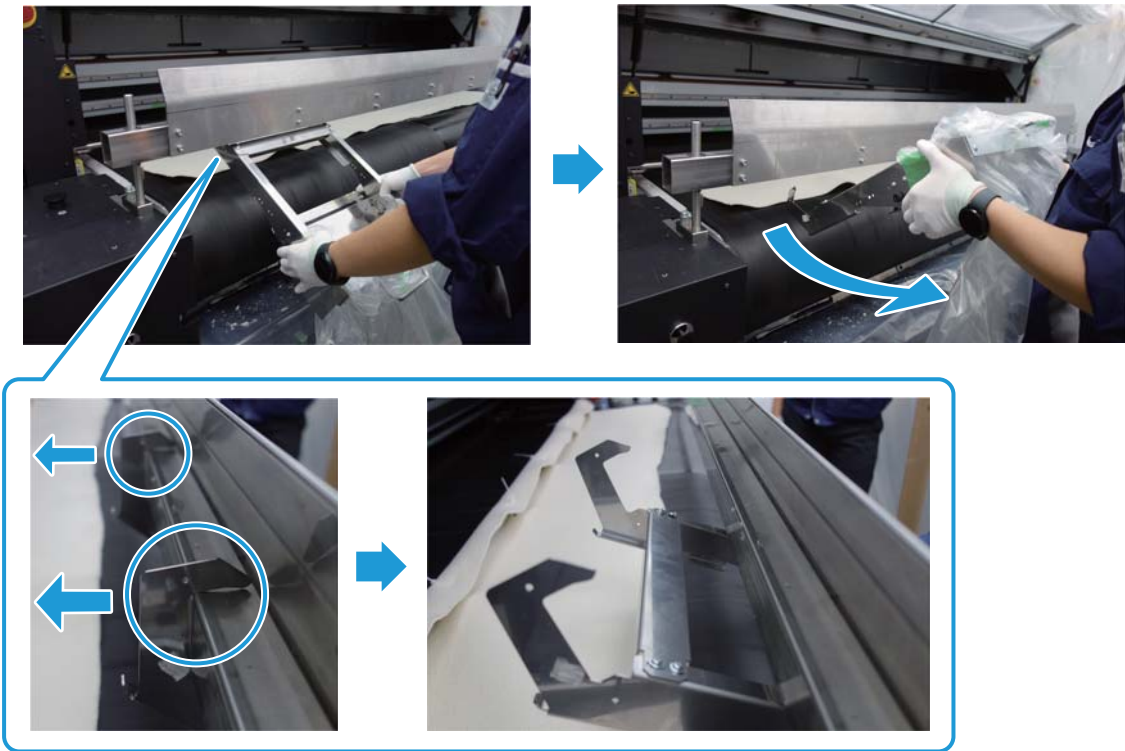
Worker 2: While checking the scraping conditions, continue pouring an appropriate amount of remover onto the felt.



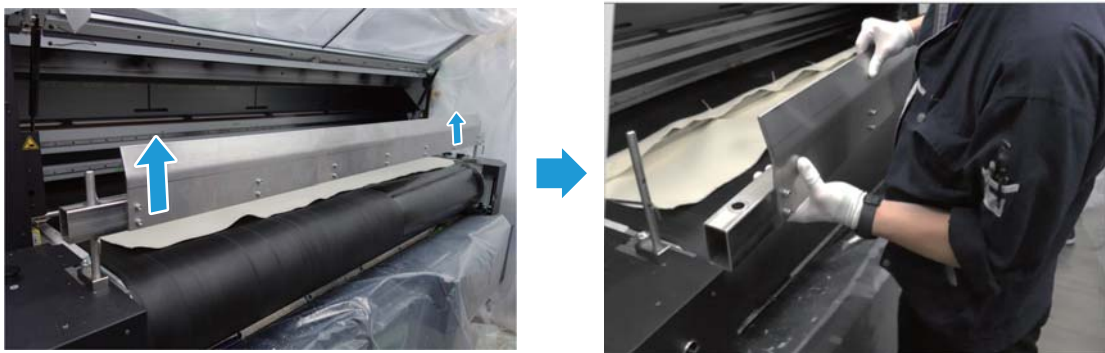
Glue tends to remain on the belt edges, so focus on peeling those areas.



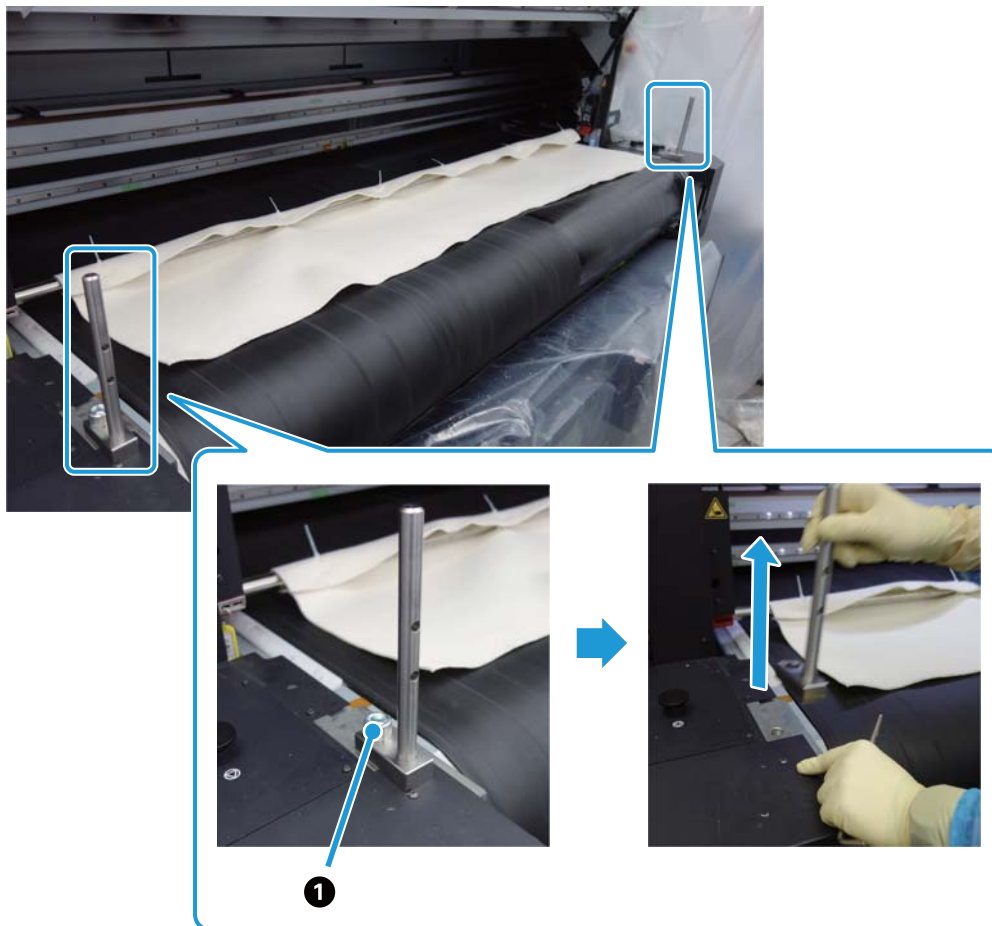
13 Remove the glue removal tool from the blade.



14 Two people are required to lift the blade simultaneously on both right and left sides and remove it.



- 15** Loosen the hexagonal screws on both blade installation parts, and then remove both blade installation parts from either side of the belt.



[1] Hexagonal screws

- 16** Loosen the screws on the blade installation parts, and then remove the blade installation parts.
- 17** Loosen the bolts on the support blocks, and then remove the support blocks.
- 18** Insert the bolts for the removed support brackets back into the screw holes, and then use a 2.5 mm hexagonal wrench to tighten them.

19 When glue has been removed from the entire belt, remove the felt rod.



20 Remove the felt from the felt rod.
Dispose of the felt in the proper manner for industrial waste.



21 Remove the screw that is securing the felt rod from the machine.

22 Use a cloth soaked in ethanol to remove any glue that remains on the felt rod and the screw.

If the dirt cannot be removed, soak a wipe cloth in glue remover to wipe it off.
Dispose of the used wipe cloths in the proper manner for industrial waste.



23 If glue remains in some areas, soak the felt with glue remover and wipe it off.



24 Set the scale of the volume in the electric box to 0 and then stop the rotation of the belt.

25 Click [+] in Leonardo and stop the belt.

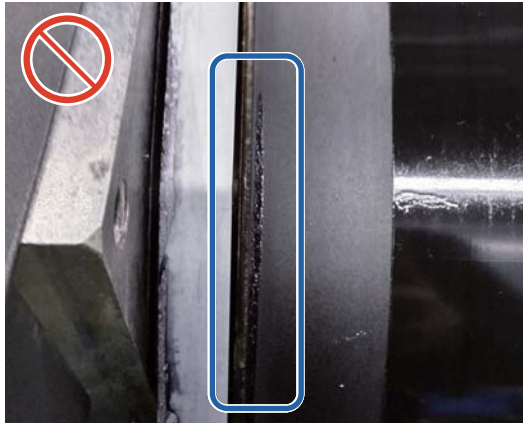
This completes the work.

Belt Surface Cleaning

- 1** Confirm that Leonardo is in glue application mode, and then select [Feedrate enable] and click [+] to rotate the belt in the forward direction.
- 2** Use a wipe cloth soaked in ethanol (proper amount) to wipe the belt surface.
- 3** When the belt surface is completely clean, slowly rotate the belt and wipe clean using an ethanol-soaked wipe cloth.



As glue tends to remain on both edges of the belt, focus on wiping off those areas. If glue, tape, or the like is adhering to a belt edge, the belt control unit may not function properly.



Wipe off the glue until the belt surface has a luster. Be especially careful to remove the glue from both edges of the belt.



- 4** Set the scale of the volume in the electric box to 0 and then stop the rotation of the belt.
- 5** Click [+] on Leonardo to stop the belt.

**CAUTION**

Do not insert the maintenance key except for when applying glue. Inserting the maintenance key disables the belt operation safety function, resulting in a dangerous situation. The maintenance key should be stored by someone who has been authorized by the person in charge at the company. Store it in a safe location that can be locked.

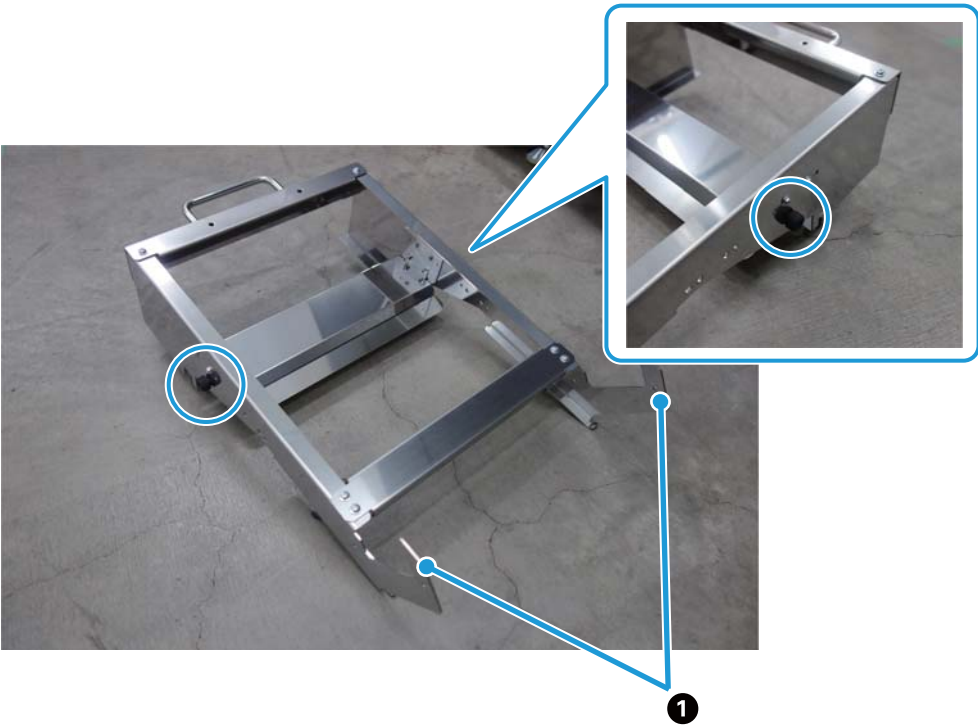
This completes the work.

Clean-Up

Use wipe cloths or similar to absorb any waste chemicals, and then dispose of them in the proper manner for industrial waste. Next, apply glue.

For more information, refer to "Glue Application" in the "Maintenance Guide".

- 1** Remove the bag and protective tape that was secured to the glue removal tool.
- 2** Remove the protective tape that was attached to the tips of the hooks of the glue removal tool.
- 3** Place the glue removal tool so that the tips of the hooks are facing up, and then loosen and remove the two screws on both sides by hand.



[1] Hooks

- 4** Slide plate A toward the hooks and remove it.



5 Wipe off the glue remover from both sides of plate A with an ethanol-soaked wipe cloth.

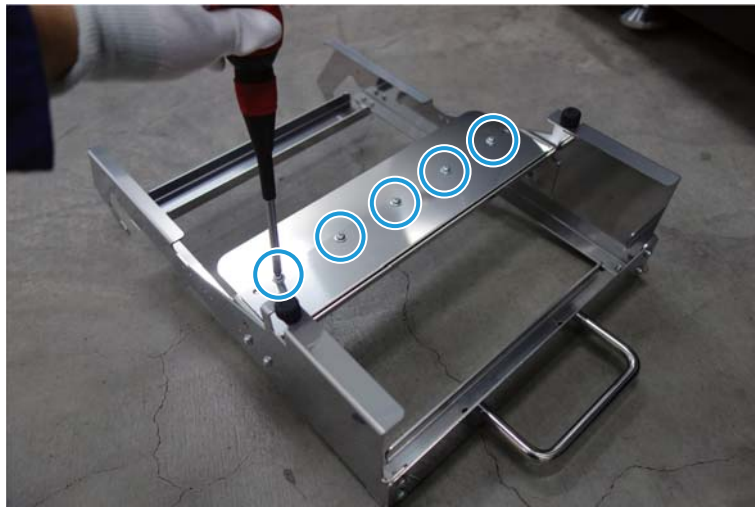
If the dirt cannot be removed, soak a wipe cloth in glue remover to wipe it off.

Dispose of the used wipe cloths in the proper manner for industrial waste.

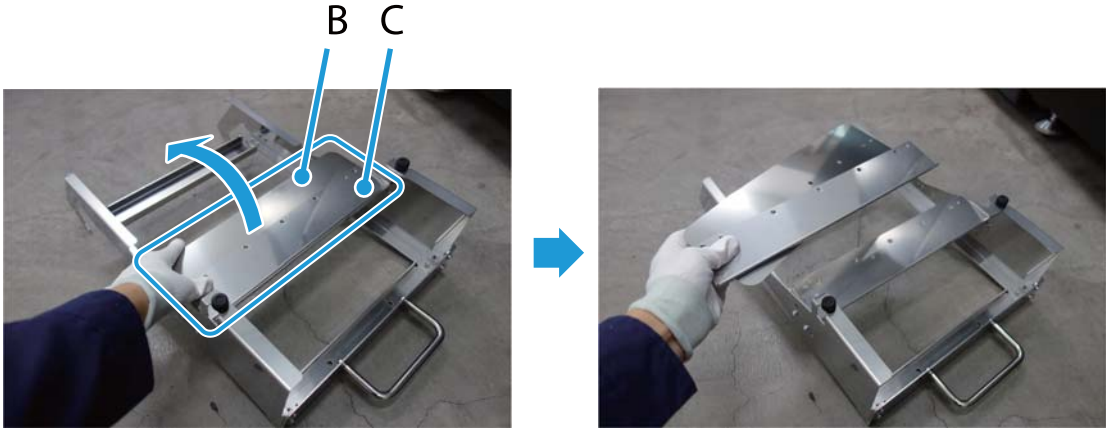


After wiping off the dirt, turn over the glue removal tool.

6 Loosen and remove the five screws with a Phillips-head screwdriver.

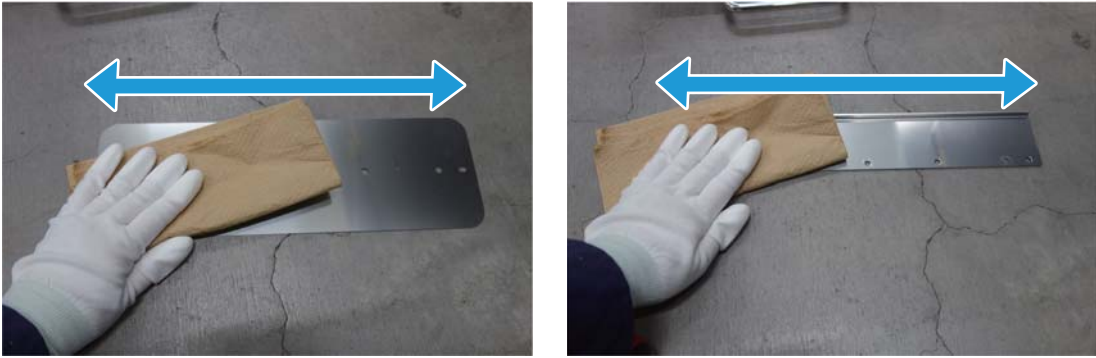


7 Remove plates B and C.

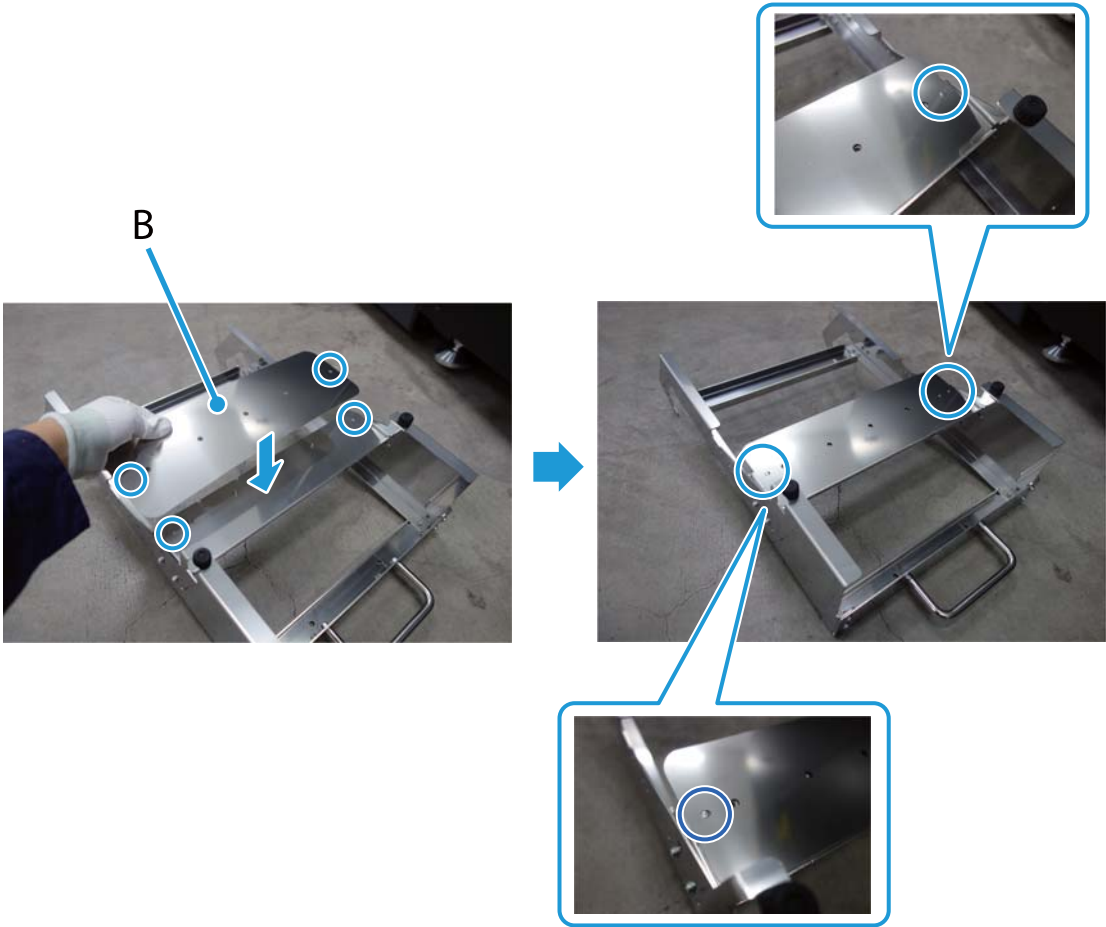


8 Wipe off the glue remover from both sides of plates B and C with an ethanol-soaked wipe cloth.

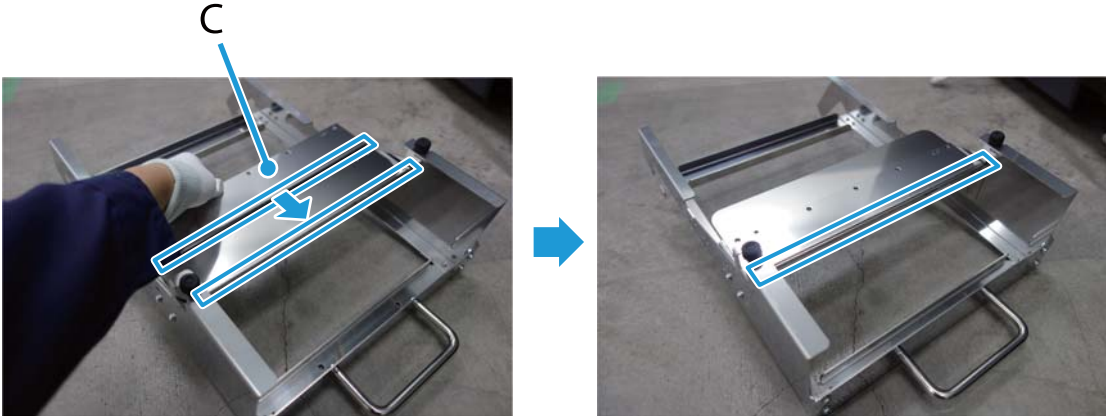
If the dirt cannot be removed, soak a wipe cloth in glue remover to wipe it off.
Dispose of the used wipe cloths in the proper manner for industrial waste.



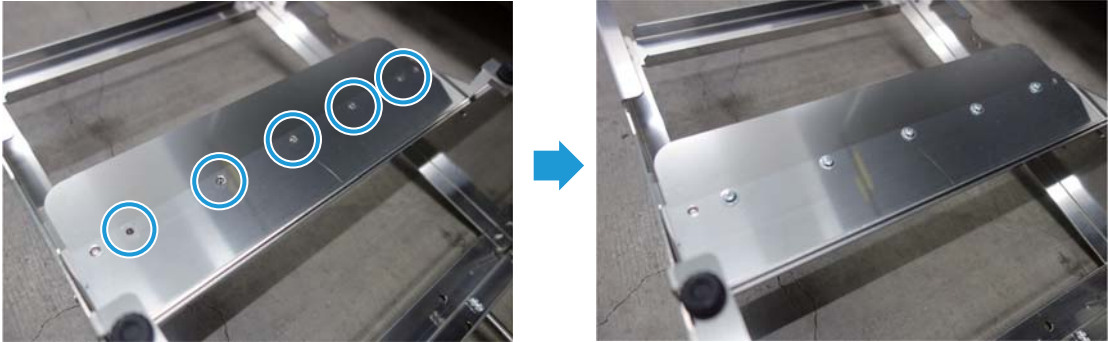
9 Align the holes on both ends of plate B with the protruding parts of the glue removal tool and attach the plate.



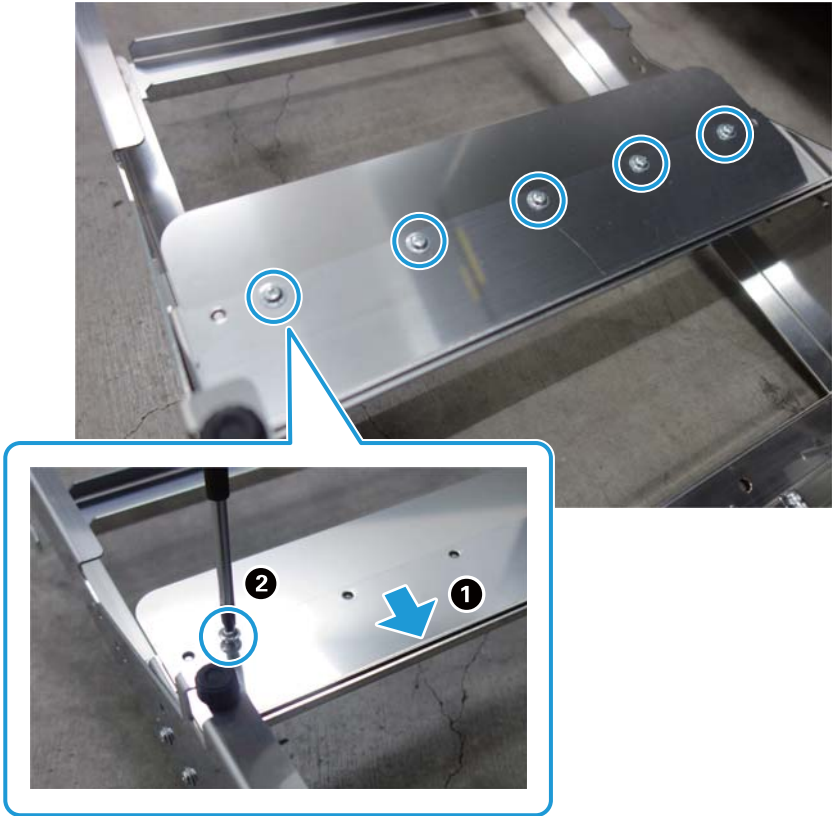
10 Align the L-shaped section of plate C with the corner of the glue removal tool and attach it.



11 Loosely tighten the five screws with a Phillips-head screwdriver.

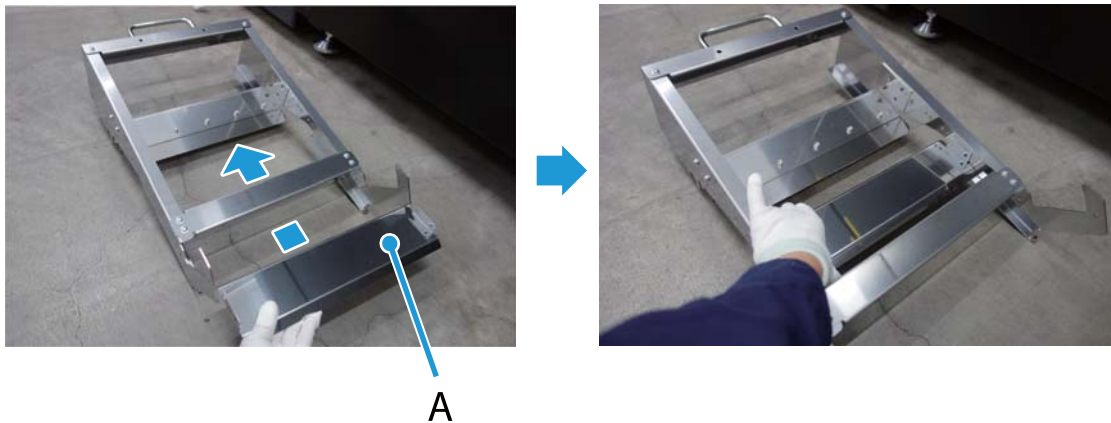


12 Keeping the L-shaped section of plate C aligned with the corner of the glue removal tool so that there are no gaps, tighten the five screws firmly with a Phillips-head screwdriver.

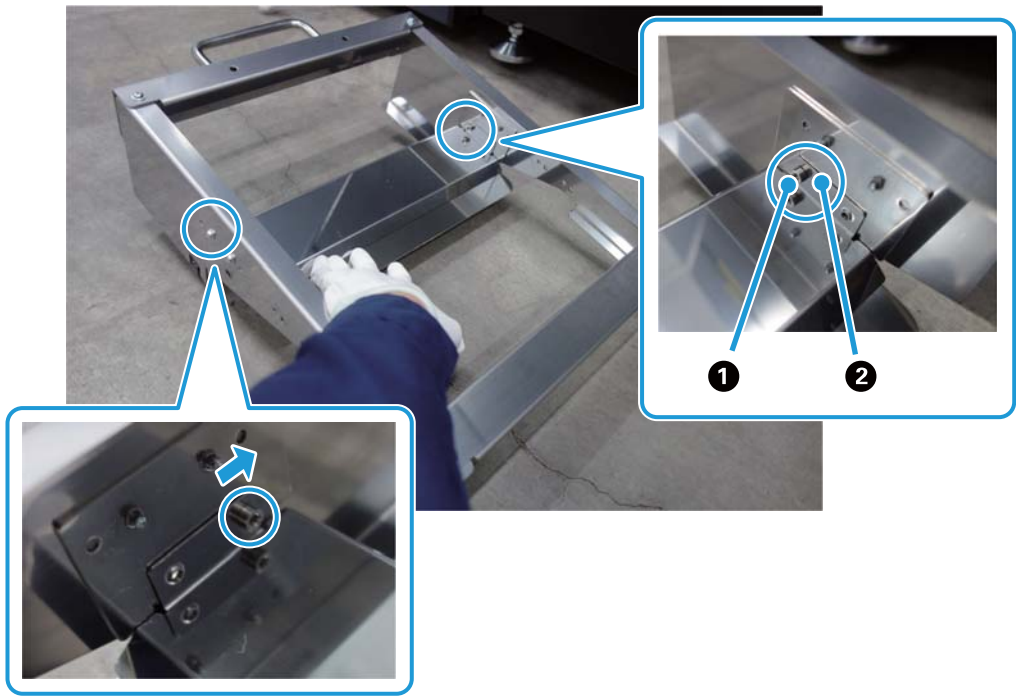


After tightening the screws, turn over the glue removal tool.

13 Insert plate A into the glue removal tool from the side with the hooks.



14 Fit the notch in plate A over the protruding parts on the inside of the glue removal tool.



15 Tighten the two screws on the sides of the glue removal tool by hand.

