

1-9 Replacing the Routine Maintenance Parts

Daily maintenance or replacement of parts at an early stage can prevent the machine from being damaged, and keeps the machine at the optimum condition. Replace parts according to the following directions in order to maintain your machine in optimum operating condition.



Always unplug the power plug before replacing parts. There is a danger of electrocution if it has been done without unplugging.



Follow the directions on this manual when replacing parts. Replacing parts in the way ignoring this manual could cause malfunction of the machine as well as electrocution and fire.



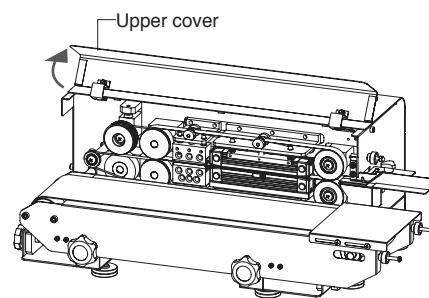
Always use only specified parts sold through Fuji Impulse. Unspecified parts may cause malfunction of the machine.



Always unplug the machine before maintenance.

Preparation before replacing parts

Open the upper cover before performing the parts replacement explained in the following.

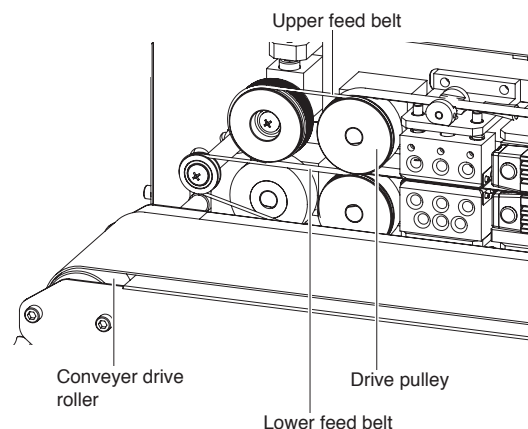


1-9-1 Replacing upper/ lower feed belt

- By turning the conveyer drive roller with your hand, the drive pulley will start turning. While making the drive pulley to turn, pull the feed belt outside so it will be removed.
- In order to install the feed belt, turn the conveyer drive roller with your hand likewise. While doing so, install the feed belt to the drive pulley.



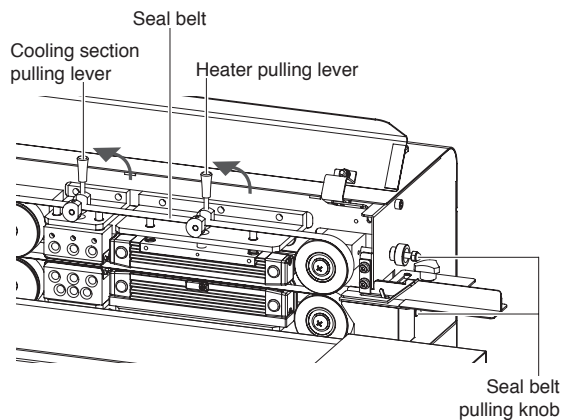
Be careful not to wind in your finger with the roller when replacing the belt.



1-9-2 Replacing the seal belt

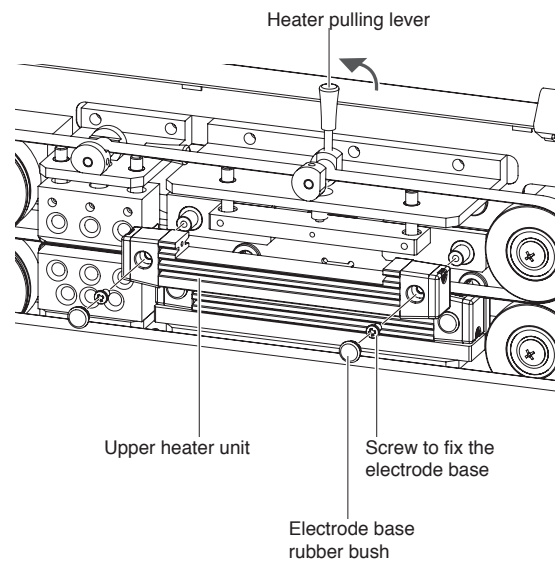
- 1 Remove the upper and lower feed belts referring to “1-9-1 Replacing upper/ lower feed belt.”
- 2 Turn the seal belt pulling knob counterclockwise to loosen the seal belt.
- 3 Put the heater and cooling section pulling lever upright.
- 4 Remove the seal belt.
- 5 Install the new seal belt.
- 6 Turn the seal belt pulling knob clockwise until the seal belt stops slipping.
- 7 Return the heater and cooling section pulling levers lifted up at the procedure 3.
- 8 Reinstall the upper and lower feed belts.

Attention! Too much tension to the seal belt can cause the breakage.



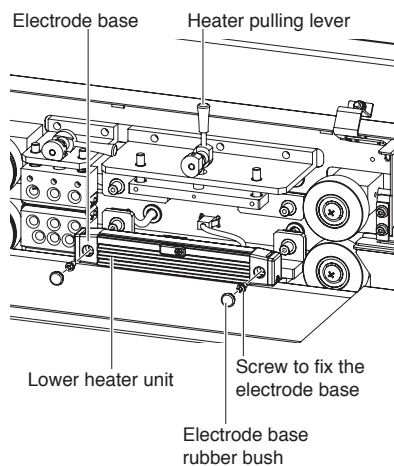
1-9-3 Replacing the upper heater unit

- 1 Put the heater pulling lever upright to lift up the upper heater unit.
- 2 Remove the electrode base rubber bushes.
- 3 Using a Philips screwdriver, remove the screws that fix the electrode base.
- 4 Pull out the upper heater unit toward you to remove it.
- 5 Install the new heater unit. Tighten the screws that fix the electrode base removed at procedure 3.
- 6 Reinstall the rubber bushes removed at the procedure 2.
- 7 Return the heater pulling knob to the initial position.

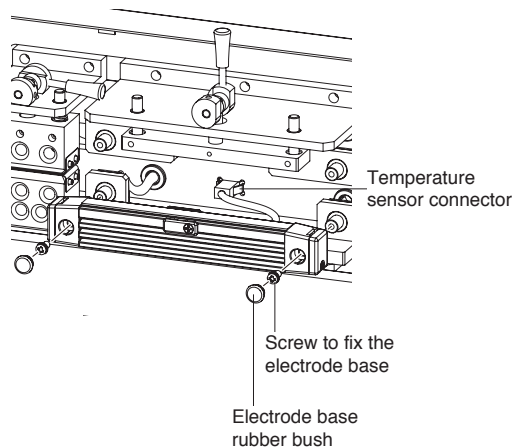


1-9-4 Replacing the lower heater unit

- 1 Remove the upper heater unit referring to “1-9-3 Replacing the upper heater unit.” (To replace the lower heater unit, you need to remove the upper heater unit.)
- 2 Remove the rubber bushes and screws that fix the electrode base at the lower heater unit.

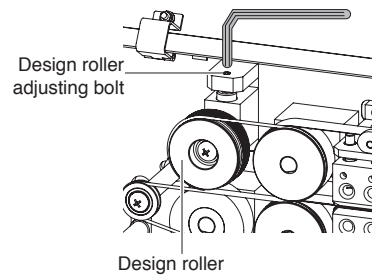
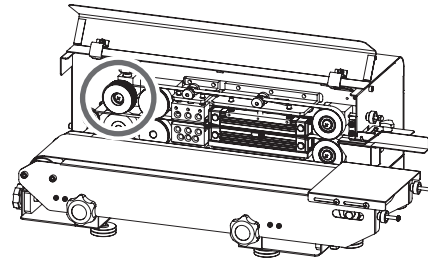


- 3 Pull out the lower heater unit.
- 4 Remove the temperature sensor connector.
- 5 Insert the temperature sensor connector of the new lower heater unit.
- 6 Install the new lower heater unit. Tighten the screws that fix the electrode removed at the procedure 2.
- 7 Install the rubber bushes removed at the procedure 2.
- 8 Install the upper heater unit referring to “1-9-3 Replacing the upper heater unit.”



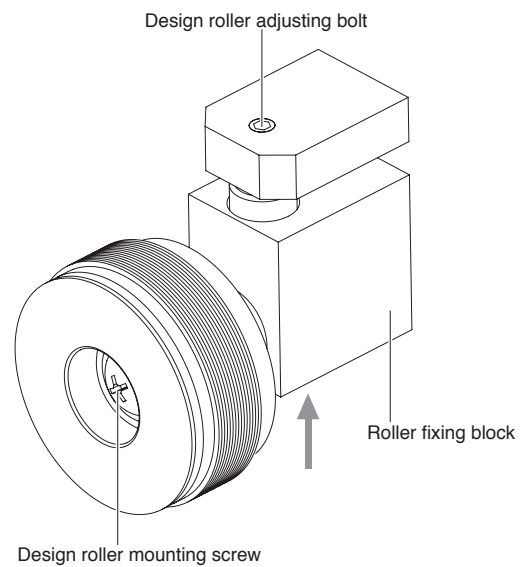
1-9-5 Replacing the design roller

- 1 Remove the upper feed belt referring to “1-9-1 Replacing upper/ lower feed belt.”
- 2 Loosen the design roller adjusting bolt using a hexagonal wrench.



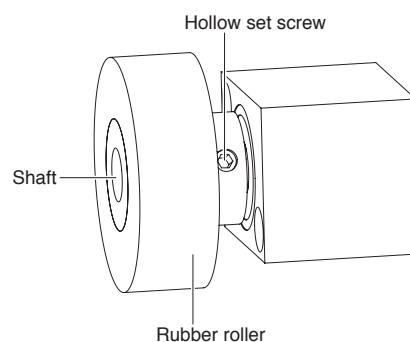
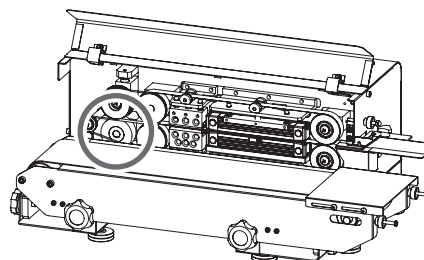
- 3 Remove the design roller mounting screw to remove the design roller.
- 4 Push up the roller fixing block using your hand, and install the design roller you want to use.
- 5 Tighten the design roller mounting screw.
- 6 Install the upper feed belt removed at the procedure 1.
- 7 Tighten the design roller adjusting bolt securely using a hexagonal wrench.

Attention! When the design roller is replaced, the pressure of the design roller needs to be adjusted. Please refer to “1-10-4 Adjust the design roller” for the detail.



1-9-6 Replacing the rubber roller

- 1 Remove the lower feed belt referring to “1-9-1 Replacing upper/ lower feed belt.”
- 2 Loosen the design roller adjusting bolt referring to “1-9-5 Replacing the design roller.”
- 3 Loosen the conveyer front/ back adjustment knob and shift the conveyer toward you a little referring to “1-10-1-2 Adjust the conveyer front/ back position.”
- 4 Loosen the hollow set screw at the rubber roller, and remove the rubber roller while shifting the design roller fixing block upward with your hand.
- 5 Insert the new rubber roller to the shaft while shifting the design roller fixing block upward with your hand. Tighten the hollow set screw loosened at procedure 4.
- 6 Install the lower feed belt removed at the procedure 1.
- 7 Referring to “1-10-4 Adjusting the design roller,” tighten the design roller adjusting bolt using the hexagonal wrench loosened at the procedure 2.

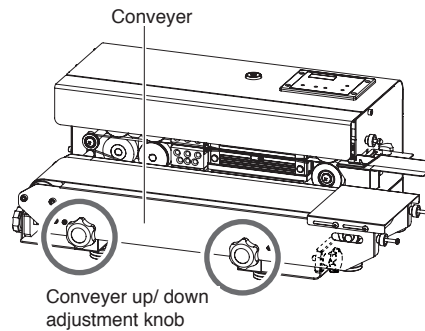


1-10 Adjusting each parts

1-10-1 Adjust the conveyer position

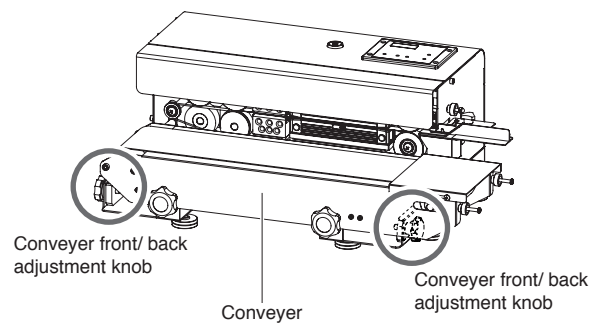
1-10-1-1 Adjust the conveyer up/down position

- 1 Turn the conveyer up/ down adjustment knob to adjust the conveyer height.
- 2 By loosening the knob, the conveyer shifts upward.
- 3 Find the optimum height for your application.
- 4 Tighten the knobs securely after deciding the conveyer height.



1-10-1-2 Adjust the conveyer front/ back position

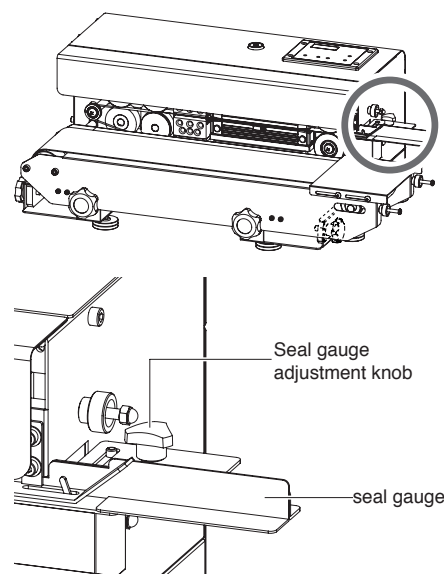
- 1 By raising the conveyer height, the front/ back adjustment will be easier. Please refer to "1-10-1-1 Adjust the conveyer up/ down position" for the detail.
- 2 Loosen the conveyer front/ back adjustment knobs, and pull or push the conveyer to find the optimum position.
- 3 Tighten the adjustment knobs to fix the conveyer.
- 4 Adjust the conveyer height.



1-10-2 Adjust the seal gauge position

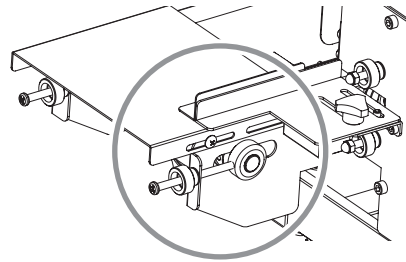
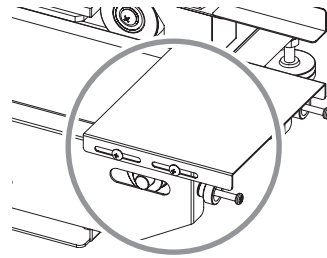
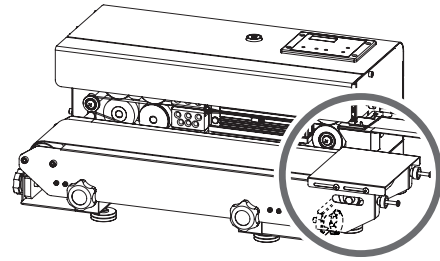
The distance from the pouch edge to the seal line can be adjusted by changing the fixed position of the seal gauge.

- 1 Loosen the two screws that fix the seal gauge.
- 2 Slide the seal gauge to the optimum position.
- 3 Tighten the screws that were loosened at the procedure 1 to fix the seal gauge.



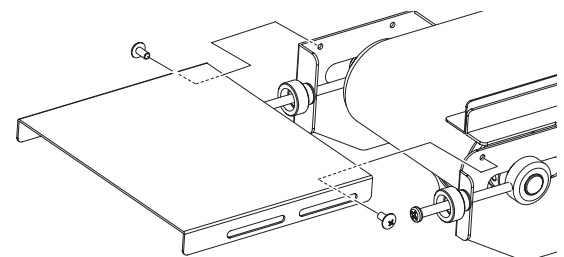
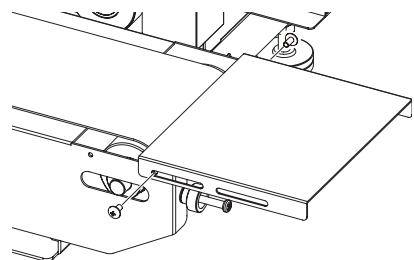
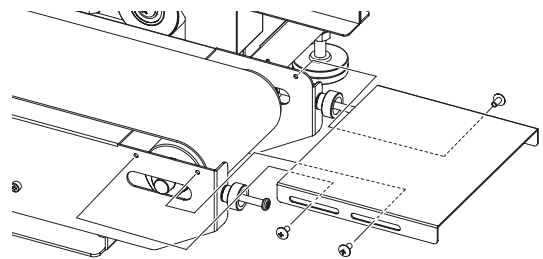
1-10-3 Adjust the work table position

- 1 Loosen the three screws that fix the work table.
- 2 Slide the work table to the optimum position for your application.
- 3 Tighten the screws that were loosened at the procedure 1 to fix the work table.

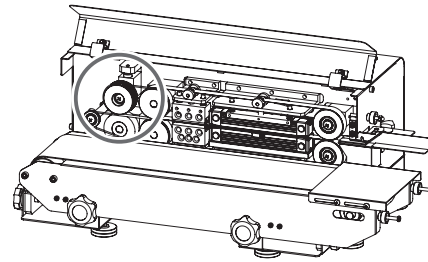


How to adjust the table position to the further left side

- 1 Remove the three screws that fix the work table.
- 2 Slid the work table to the optimum position for your application.
- 3 Fix the table with the two screws out of three screws removed at the procedure 1. Please refer to the illustration on the right for the detail.



1-10-4 Adjust the design roller

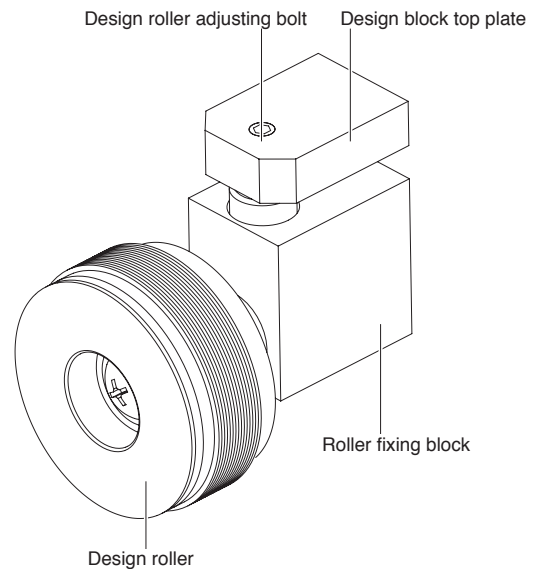


When the design roller is replaced, the design roller pressure needs to be adjusted.

Turn the design roller adjusting bolt using a hexagonal wrench so the bolt face comes at the same level as the design block top plate. This is the standard position, and the pressure can be adjusted within the tolerance of $\pm 2\text{mm}$.

- Tightening the design roller adjusting bolt will increase the pressure and the pattern will be on the sealing line more clearly.
- Loosening the design roller adjusting bolt will decrease the pressure and the design pattern appears on the seal line will be weak.

Attention! If the design roller adjusting bolt is tightened too tight, it may affect the belt speed. Please make sure to adjust the pressure within the range as in the above explanation.



1-10-5 Adjust the seal belt pulling tension

When the seal belt tends to slip, please adjust the tension of the seal belt.

Turn the upper and lower knobs alternately by 1/4 turns until the seal belt stops slipping.

Attention! Pulling the seal belt too tight will cause the breakage of the seal belt.

