

January 15, 2015

Product: Ishida WM-4000 Automatic Wrapper

Issue: Replacement of Seal Heater Elements, Thermistors, and Roller Sleeves



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Issue

The Seal Heaters that tack the film on the bottom of the trays are wear items that will eventually burn out and require replacement. Similarly, the Teflon® coated rollers that may be damaged by improper cleaning and require replacement.

Procedure

This bulletin provides a step by step procedure to access and replace the Seal Heater components.

Notes

- This procedure will require a minimum of 7 (seven) 1/8"-wide miniature cable zip ties for replacement.
- It is highly recommended to document connections as they are removed to prevent confusion during reassembly.
- The estimated time to complete this procedure, barring any unforeseen complications, is 2 hours. This is strictly an estimate! Actual time may vary.

Reference

- WM-4000 Service Manual, p/n 155665

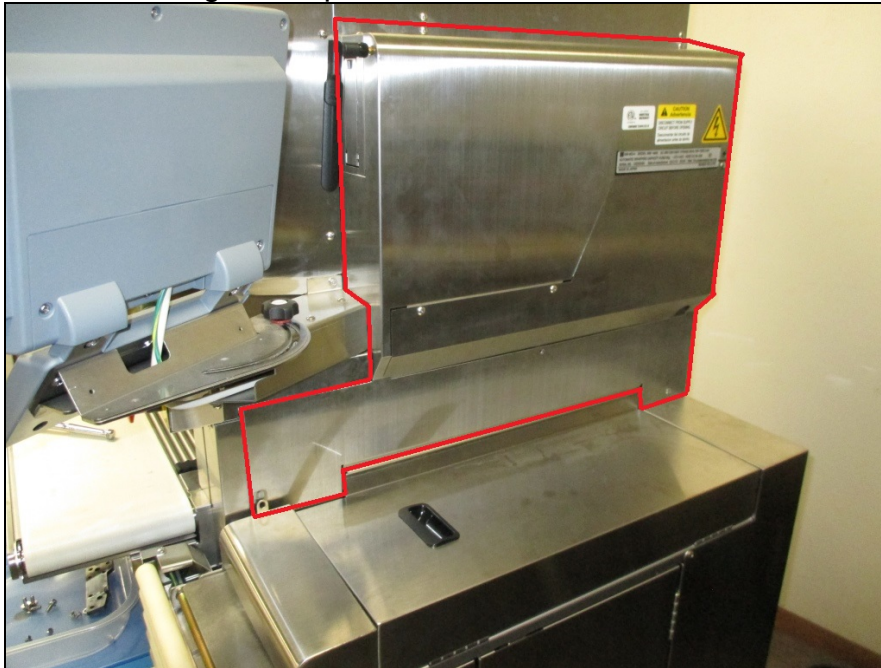
Step #1-

Power down and unplug the WM-4000.

Wait until sealing heaters have cooled sufficiently enough to prevent accidental burning.

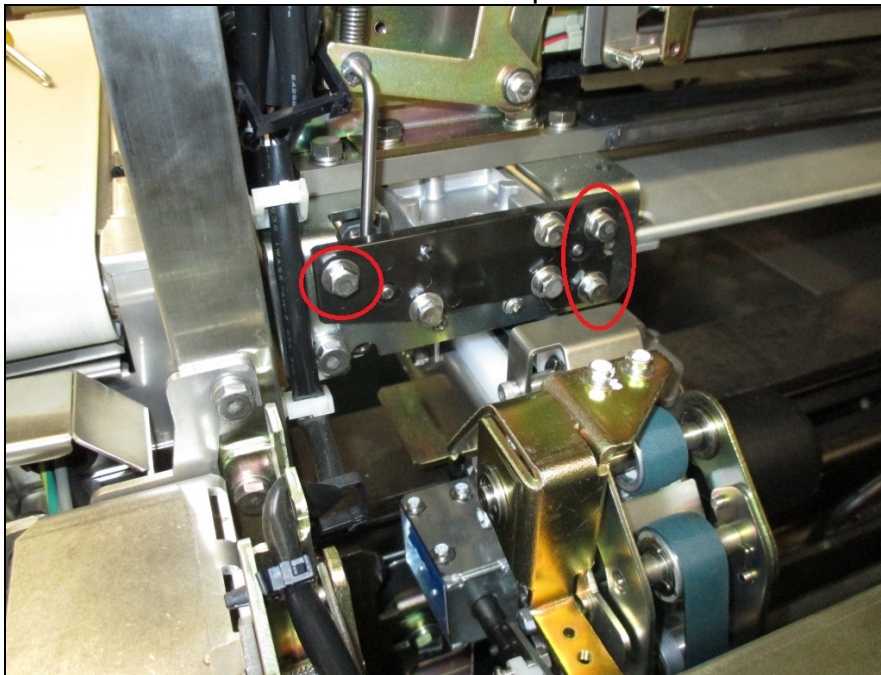
Step #2-

Remove the right side panel.



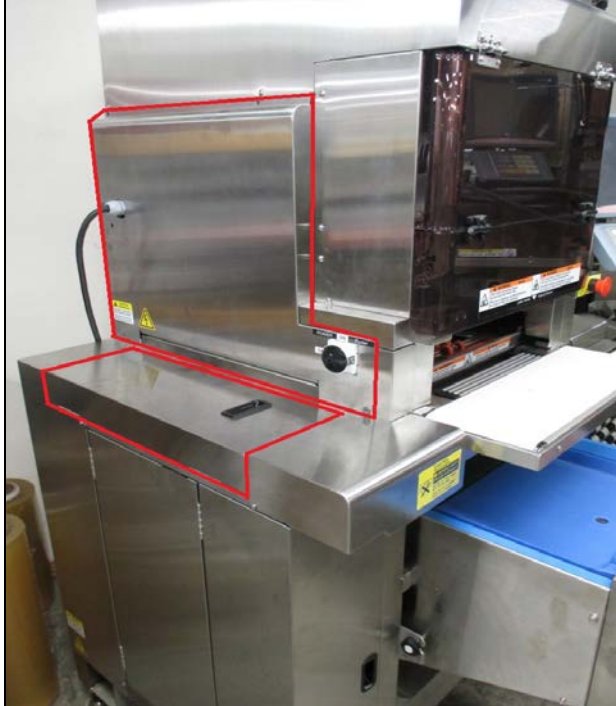
Step #3-

Remove the three bolts shown in the picture below



Step #4-

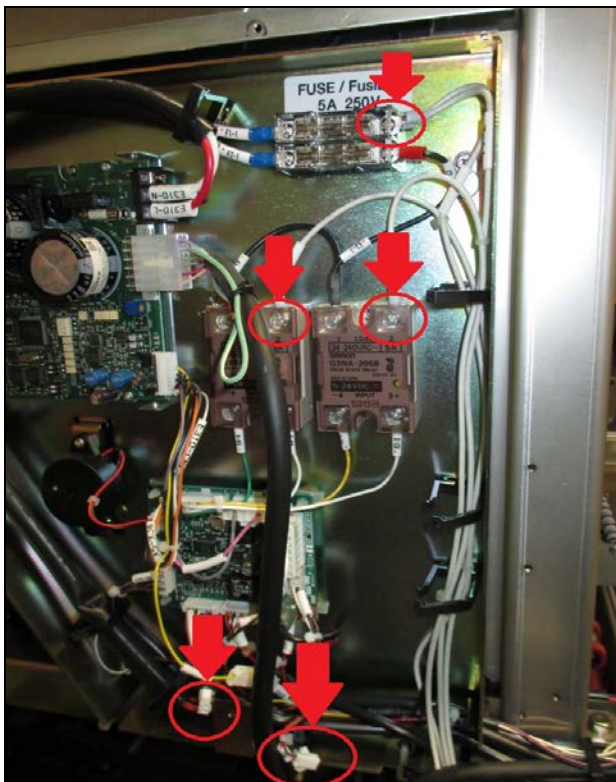
Remove the left side panel and left film removal cover.



Step #5-

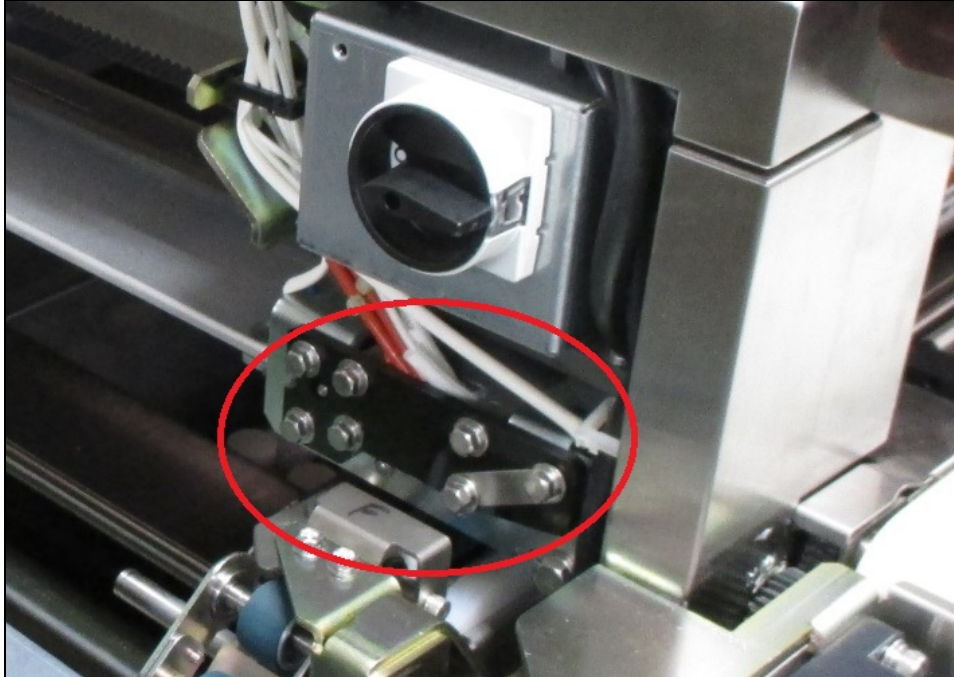
Disconnect the connections shown below.

****Make note of connector numbers to ensure proper reassembly****



Step #6-

Remove the 7 bolts shown below.



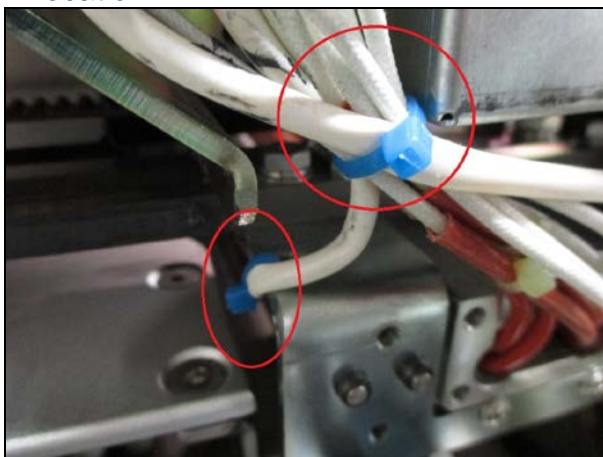
Step #7-

It will be necessary to disconnect the Front Film Feeder Assembly. This is to allow the removal of the sealing heater elements. The Front Film Feeder Assembly DOES NOT need to be removed from the machine! Simply unscrew the 2 mounting bolts, remove the black drive belt (left side) and disconnect the connector (right side). Then slide the assembly to the rear to move it out of the way.

Step #8-

Carefully remove the zip ties that secure the Thermistor cables shown below.

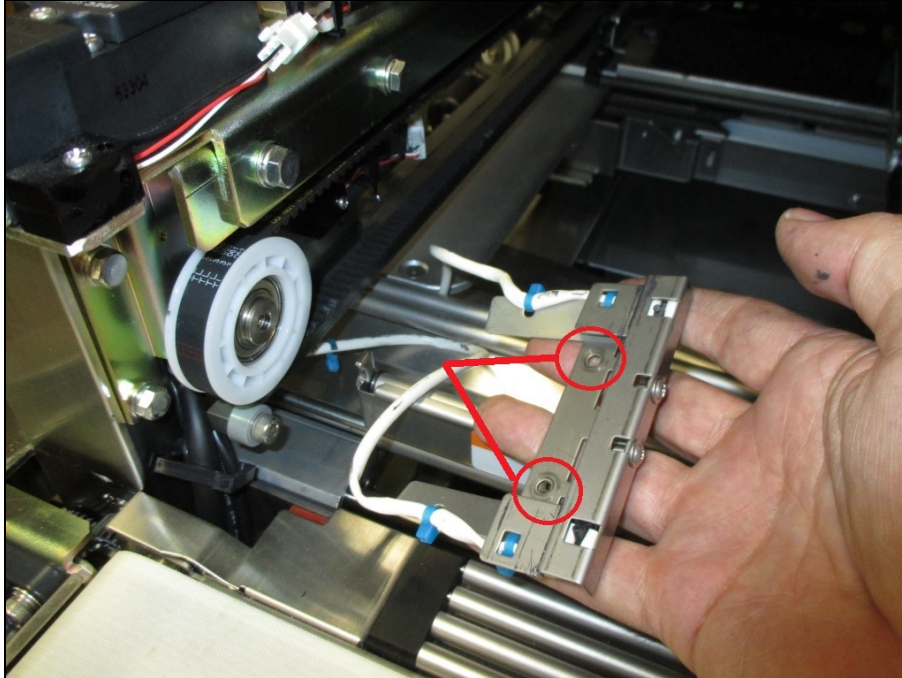
****Take note of all zip ties removed, it is critical that these be replaced and in the same location****



Step #9-

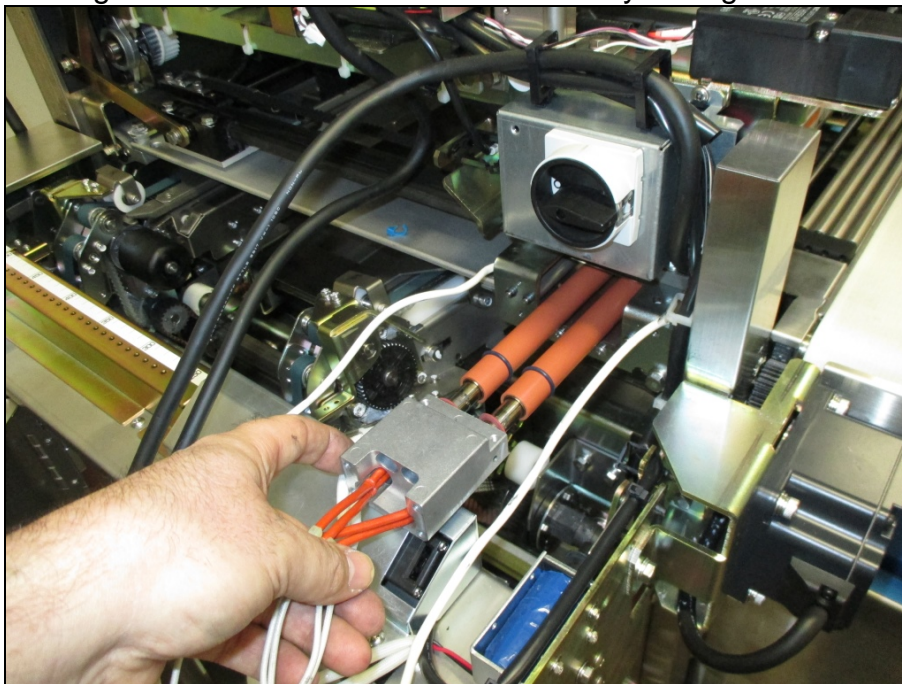
While pushing down the “pop up” seal heater safety guard assembly, carefully slide the Sealing Heater Assembly to the right by pushing on the left side aluminum block. This is to gain access to the 2 bolts securing the Thermistor Assembly.

****Picture is showing the Thermistor Assembly after removal****



Step #10-

After the Thermistor Assembly has been disconnected from the aluminum block, the Sealing Heater Elements can be removed by sliding out the left side.



****Ensure the orange washers on the right and left sides are accounted for****



Step #11-

Remove the heating elements by loosening the set screws.

****During reassembly, it is critical that the replacement elements are in the same position as the old elements. To ensure this position, measure the distance shown below BEFORE removing the old elements!****

****To prevent accidental incorrect reassembly, it is recommended to remove/replace one element at a time to ensure the part numbers correlate and are not swapped****



Step #12-

If replacing the orange rollers, ensure the rubber O-rings are swapped from the old rollers to the new rollers.

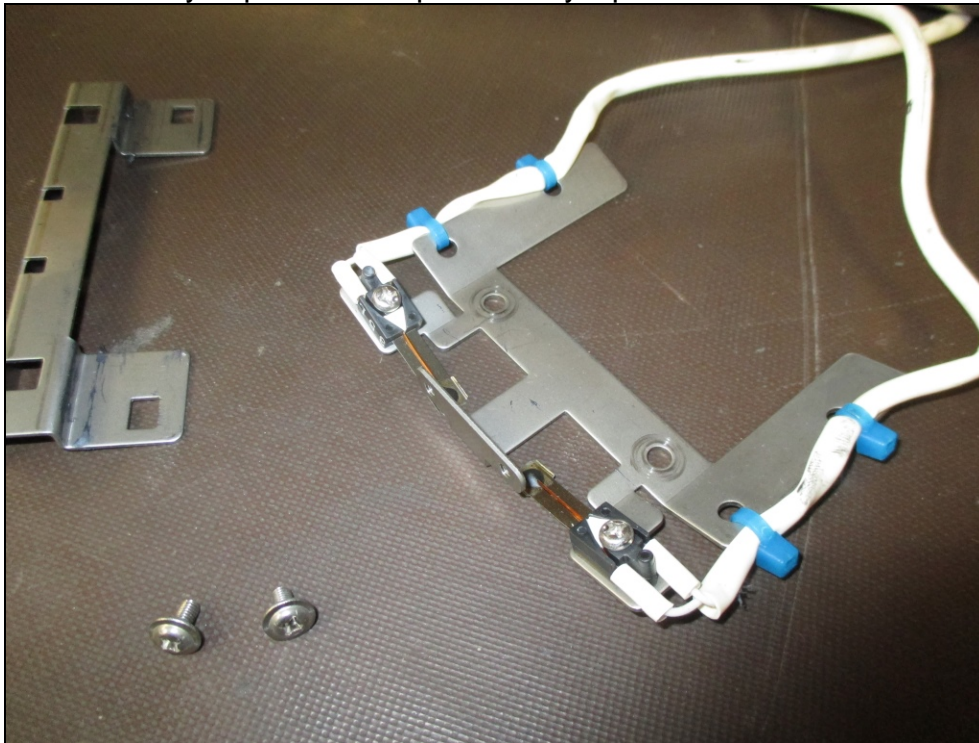
During reassembly, ensure proper orientation of the orange rollers.



Step #13-

If the Thermistors are being replaced, it is critical that the correct part is used on each side. Note the connector ID before removal. To prevent accidental incorrect reassembly, it is recommended to remove/replace one thermistor at a time.

****It is critically important to replace every zip tie removed****



Step #14-

Reassemble in reverse order.