Horizon GS/G2/G1 Imager Cleaning Instructions

Codonics Horizon GS/G2/G1 (150C) Imager Cleaning Instructions

Summary

The following cleaning kit is available to help you properly maintain the Horizon® imager. This instruction applies to the latest versions identified by the imager serial number prefix 150C. Please contact your Codonics representative for further information.

- The Horizon Platen and Print Head Cleaning Kit (catalog no. SP-00118) includes the special thermal print head and platen roller wipes that you will need to clean the print head and nosepiece, platen and pick tires.
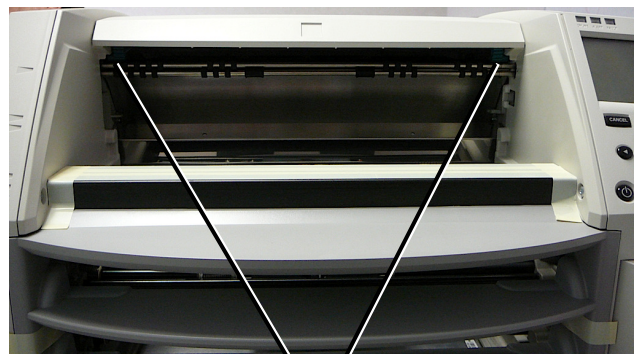
You should perform these cleaning procedures as part of regular maintenance or when there is a noticeable degradation in image quality or printing performance. See the *Horizon Imager User's Manual* for Recommended Maintenance Schedule and Troubleshooting tables. Use the Table shown below as a quick reference.

Maintenance	Schedule
Clean the thermal print head and nosepiece	• Every 1000 sheets • If you notice image quality problems • If there is visible accumulation of debris
Clean the platen	• Every 1000 sheets • If you notice image quality problems • If there is visible accumulation of debris
Clean the pick tires	• Every 1000 sheets or more often in dirty conditions • If the imager has trouble picking sheets from a cassette

Opening the Top Cover

The latest versions of the imager do not automatically open the top cover when using the **Open Top Cover** menu option on the Main Menu at the front panel. It must be opened manually.

However, before manually opening the top cover, you should still select the **Open Top Cover** menu option to ensure that the print head is retracted. Then press one of the two green releases shown in the following figure to open the top cover.
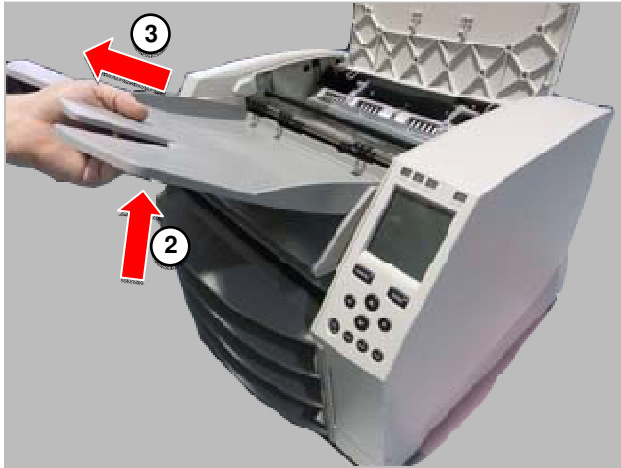

Top cover releases

NOTE: The top cover is spring-loaded. Place your hand lightly on the top cover before pressing one of the releases to prevent it from opening too quickly.

Removing the Receive Tray

The latest versions of the imager include only one receive tray. Media pulled from any of the supply slots will be placed in this receive tray.

To remove the receive tray:

1. Open the top cover. Refer to "Opening the Top Cover."

2. Lift the front of the receive tray up.

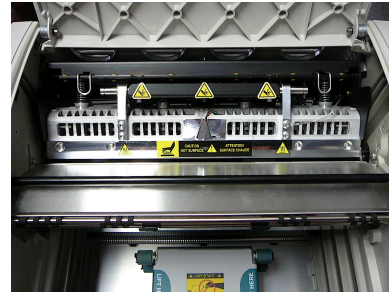3. Pull the receive tray out away from the imager.

Print Head Positions

The latest versions of the imager have two print head positions:

- Shipping position, in which the print head is closer to the back of the imager. This should be used prior to shipping the imager to prevent damage to the print head or platen bearings. It should also be used when cleaning the print head or platen, as the position provides more room between these components to make cleaning easier.

- Printing position, in which the print head is positioned closer to the platen, ready for printing.
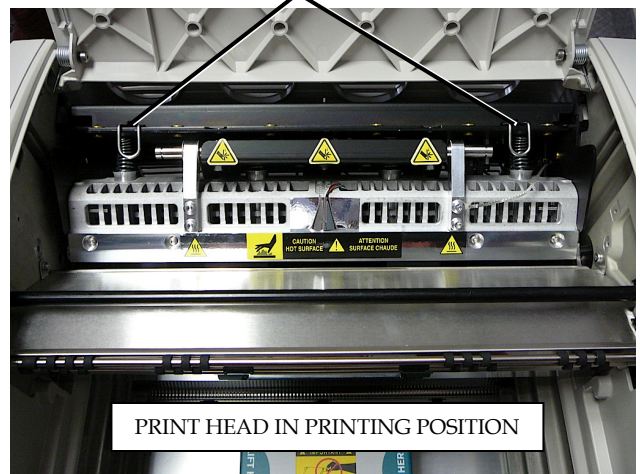

Changing the Print Head Position

To change the print head position:

1. If imager power is on, select the **Open Top Cover** menu option to ensure that the print head is retracted and move on to the next step. If imager power is off, move on to the next step.

2. Open the top cover by pressing one of two green releases as shown under "Opening the Top Cover."

3. Pull up on the two release handles, shown in the following figure, and use the handles to push the print head back to the shipping position or forward to the printing position.

Print head
release handles

PRINT HEAD IN PRINTING POSITION

⚠️ **CAUTION:** Position the print head with care. Do not drop the print head into the printing position. Doing so could cause damage.

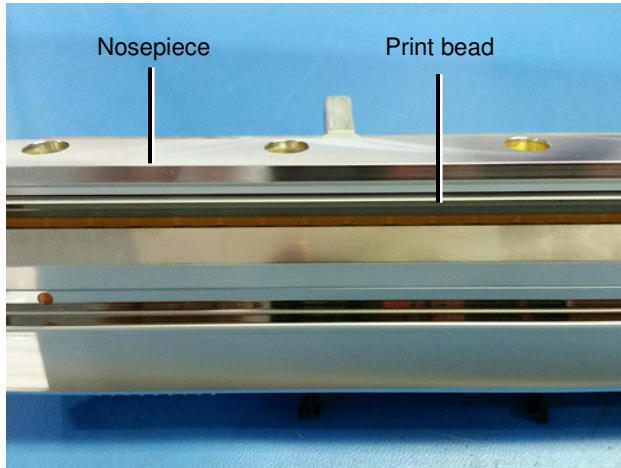4. Lower the release handles to lock the print head into the new position.

Cleaning the Print Head

Before cleaning the print head, you must manually move it to the shipping position. Refer to the procedure above under "Changing the Print Head Position."

Otherwise, you can follow the procedure as described in "Cleaning the Print Head and Nosepiece" in the *Horizon Imager User's Manual*.

The alcohol concentration of the Print Head cleaning pad is 99% isopropyl alcohol (IPA).

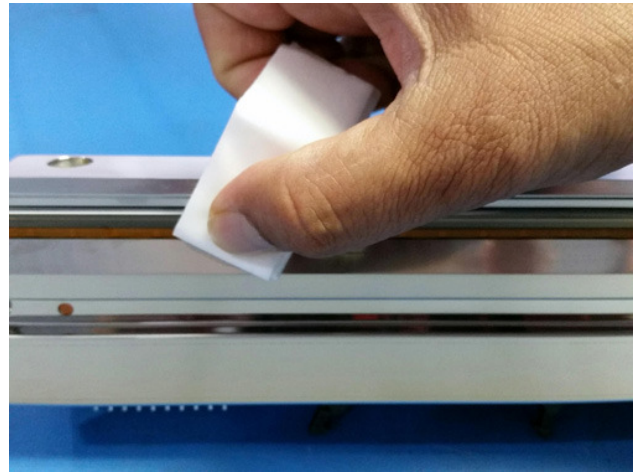1. Locate the print bead and nose piece.

⚠ **WARNING:** The print head may be hot. Also, when cleaning the print head, avoid the extreme ends of the print head, which are sharp.

2. Using a print head cleaning wipe, carefully wipe back and forth along the entire length of the print bead line with moderate pressure until the print bead is completely clean. The cleaning wipe may become discolored. Do not use the platen roller cleaning wipe to clean the print head as it will cause damage.

⚠ **CAUTION:** Use only a print head cleaning wipe when cleaning the print head. Also, do not touch the glass surface of the print head with your fingers; it could damage the print head.

3. Clean any dust or other contaminants from the nosepiece.

4. Wait for all cleaned components to dry thoroughly.

Cleaning the Platen

Before cleaning the platen, you must manually move the print head to the shipping position. Refer to the procedure above under "Changing the Print Head Position."

Also, the latest versions of the imager do not support jogging the platen from the front panel. When cleaning the platen, you have to use your fingers to manually jog the platen so that you can clean its entire surface. Make sure that you clean the areas where you have touched the platen to remove any oil from your fingers.

Otherwise, you can follow the procedure as described in "Cleaning the Platen and Donor Guide Bar" in the *Horizon Imager User's Manual*.

The alcohol concentration of the Platen cleaning pad is 70% IPA.

⚠ **WARNING:** Remove rings, ties, jewelry, and other items, and tie back hair, so that they do not fall into or get caught in the imager.
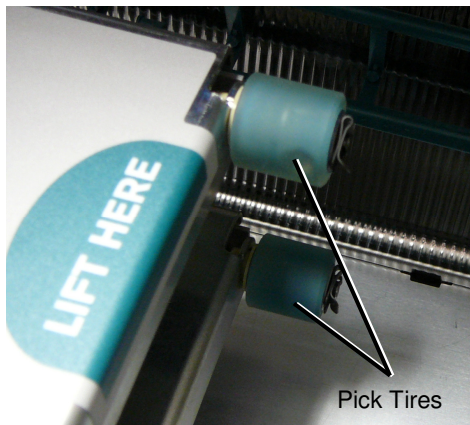
Platen Roller

1. Looking in from the side of the imager, locate the white platen roller.

2. Using a platen roller cleaning wipe, rub the pad along the entire length of the platen from end to end until all visible contaminants are gone. Do not rub back and forth.

3. Manually jog the platen with your fingers and repeat step 2 until you have cleaned its entire surface.

4. Wait for all cleaned components to dry thoroughly.
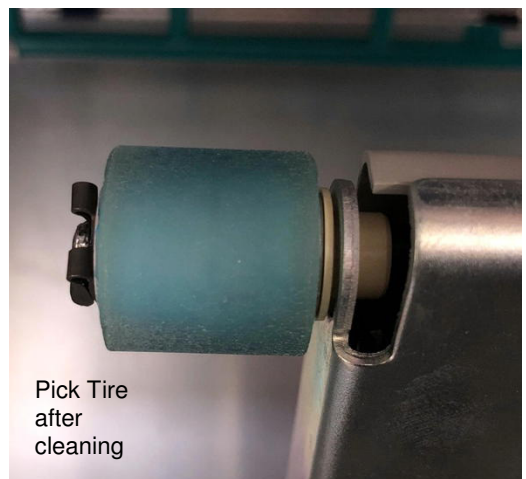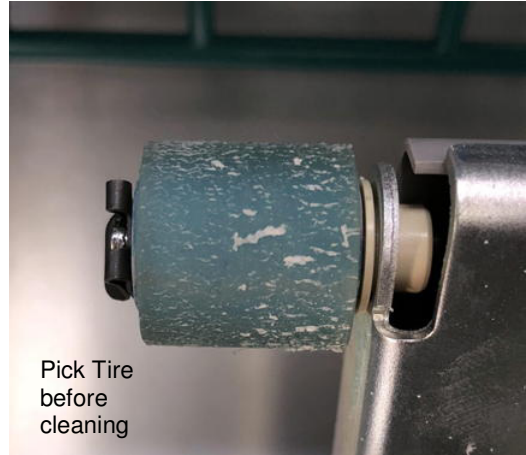
Cleaning the Pick Tires

Before cleaning the pick tires, you must remove the receive tray. Refer to the procedure above under "Removing the Receive Tray."

1. Remove any cassettes from the supply slots.

2. Locate the pick tires. There are three pickers for Horizon GS, two pickers for Horizon G2 and one picker for Horizon G1.

LIFT HERE
Pick Tires

3. Using a platen roller cleaning wipe, wipe around each tire. The cleaning wipe may become discolored. Be sure to remove any loose or peeling debris that is present on the tire. Firmly rub the tires with the cleaning wipe until all loose debris is removed.

NOTE: Extremely dirty tire shown for illustration purposes. Do not let tires get this dirty.

Pick Tire before cleaning

Pick Tire after cleaning

CAUTION: To avoid damaging the pick tires, use only the platen roller cleaning wipe. Also, do not touch the pick tires; body oils from your fingers are hard to remove and could eventually damage the tires.

4. Wait for the pick tires to dry thoroughly.

NOTE: DirectVista Blue-T film printing may require more frequent pick tire cleaning.

CODONICS®
We bring the future into focus

General Cleaning

You should perform imager cleaning procedures as recommended in the *Horizon Imager User's Manual.* Clean the cassette area, sheet exit area, basement and imager cabinet with a platen roller wipe every 2000 sheets or more often in dirty conditions. This will eliminate dust build up, remove any pick tire debris and prevent dirt from getting inside the imager.

DirectVista Blue-T film sheets can sometimes stick together in high relative humidity environments. The steps the imager takes to pick a sheet of film are slightly more aggressive than standard DirectVista Blue film. DV Blue-T printing may require more frequent pick tire and overall imager cleaning.

Technical Support

If problems occur that are not covered by these instructions, please contact Codonics Technical Support at any time.

Phone: +1.440.243.1198
Email: support@codonics.com
Website: www.codonics.com

Get it all with just one call
800.444.1198

CODONICS®
We bring the future into focus