

### 3.3.6. Inspect and Clean the BA Aerosol Duct

Estimated Frequency	Estimated Time	Press Down	Suggested Personnel
Monthly	30 minutes	YES	1 person
Objective			
Removing BA and ink accumulation maximizes vacuum. This prevents accumulation from dripping from the duct and transferring to the printheads. Accumulation on the printheads can cause reduced print quality due to clogged nozzles, nozzles out, and pen failures.			
Personal Protective Equipment (PPEs)		Tools/Materials	
<ul style="list-style-type: none"> <li>Gloves</li> <li>Safety glasses</li> </ul>		<ul style="list-style-type: none"> <li>Lint-free cloth</li> <li>Distilled or DI water</li> <li>Adjustable wrench/hex key</li> <li>Screwdriver</li> <li>Stick, putty knife, or similar object</li> </ul>	

#### Procedure

**NOTE:** If the amount of BA accumulation appears to be very heavy, further disassembly of the aerosol duct will be required.

1. From the Operator Control Panel, uncap the printbars and put them into a Wipe Ready state.
2. Open the access doors.

#### For Metal Ducts:

1. Visually inspect the lip of the duct looking for an accumulation of BA.
2. Place a lint-free cloth over a stick or other tool. Insert the stick covered with the cloth into the duct and wipe the inside of the duct. If there is no accumulation the duct does not need to be disassembled. If there is an accumulation, disassemble the duct as explained below.
3. To disassemble the duct:
  - a. Remove the 4 bolts and set them aside.

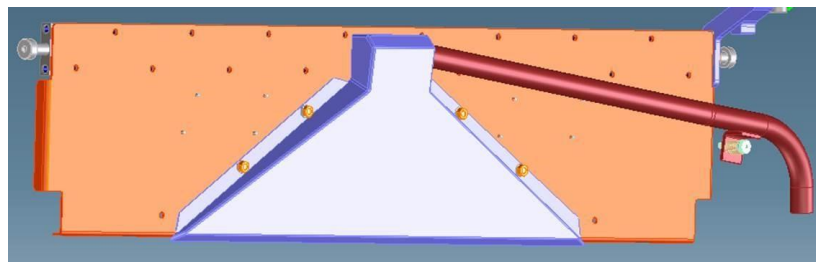


Figure 21. Cad illustration of duct

- b. Remove the aerosol duct and tube by sliding them out.

- c. Disconnect the metal tube from the rubber hose.
4. Dampen a clean lint-free cloth with DI water, wipe the interior of the duct.
5. Wipe the backside of the cap plate.
6. Inspect and clean the metal tube if there is an accumulation in it.
7. Reassemble the duct assembly.



Figure 22. Using a stick and cloth to clean the interior of the duct

For Transparent Ducts:

1. Disconnect the metal tube from the rubber hose and remove it.
2. Pull the pin out from the duct.
3. Slide the duct away from the cap plate.
4. Unclip the two pieces and wipe with the damp lint-free cloth.



Figure 23. Pull out pin

5. If the white felt is excessively dirty, replace it.
6. Inspect the metal tube and clean it if there is an accumulation.

7. Reassemble the duct assembly. Ensure the pin is properly seated in the downward position.
8. Close the access doors.
9. Reset the guards.