### FIELD CHANGE ORDER

**PRODUCT:** Fresco  
**PART/ASSEMBLY:** 5-micron Filters Bracket  
**FCO KIT P/N:** 211-40-05-001  

**ISSUE DATE:** 18-Oct-00  
**DESCRIPTION OF CHANGE:** 5-micron Filters Bracket Installation  
**APPLICABLE FOR S/N:** UP TO 142  

**SOFTWARE AFFECTED:**  
- [ ] YES  
- [x] NO  

**IMPLEMENTATION:**  
- [ ] ON REQUEST  
- [x] IMMEDIATE  
- [ ] NEXT CALL  
- [ ] ON FAILURE  

**PREPARED BY:** Shay Revivo  

**TYPE OF CHANGE:**  
- [x] MANDATORY  
- [ ] CONDITIONAL  

**COST**  
- [ ] USE AS SPARE  
- [x] DISCARD ALL  
- [ ] DISCARD SELECTIVELY (see Mat'l Disposition)  
- [ ] SEND BACK FOR REWORK  

**MATERIAL DISPOSITION:**  
- [ ] N/A  

**PROJECT MANAGER:** SIGNATURE/DATE  
**ENGINEERING MANAGER:** SIGNATURE/DATE  
**ICS MANAGER:** SIGNATURE/DATE

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*This document should be read carefully before implementing the Upgrade*
1. **Purpose**

   This FCO describes the installation of the 5-micron filters new bracket located in the Ink cabinet.

2. **Reason for Change**

   To enable convenient access to the 5 micron filters for routine maintenance.

3. **Estimated Installation Time**

   Two hours.

4. **Prerequisites**

   2. Adding quick connectors to the 5-micron filters (see TN 200-007).

5. **Pressure Sensors Installation Procedure**

   1. Shut down all pumps (pressure first and then vacuum).
   2. Turn OFF the System Power Supply circuit breaker (24V).
   3. Disconnect the four electrical connectors from the pressure sensors, using a Philips screwdriver, verify the connectors are labeled.
   4. Remove the two screws securing the pressure sensors bracket to the chassis wall, using a 6mm Alen key (keep the two Allen screws for the next step).
   5. Install the new bracket on the chassis wall using a 6mm Alen key and the Allen screws removed in step 4.
   6. Disconnect the T-connector from the Yellow (left) pressure sensor using a 24mm and 8mm wrenches.
      
      **Note:** Do not remove the hoses.
   7. Remove the pressure sensor from the old bracket using a 24mm and 27mm wrenches.
      
      **Note:** Use Teflon on all threaded connections.
   8. Reinstall the Yellow pressure sensor in the left hole on the new bracket; tighten the T-connector using a 8mm and 24mm wrenches.
      
      **Note:** Before tightening, verify the direction of the T-connector and the electrical connectors as shown in figure 1.
9. Tighten the nut securing the pressure sensor to the bracket, using a 24mm and 27mm wrenches.

![Figure 1: Pressure Sensors.](image)

10. Repeat steps 6 to 9 for the other three pressure sensors.

11. Reconnect the electrical connectors to the pressure sensors respectively, using a Philips screwdriver; verify labels accuracy to color.

### 6. Five-Micron Filters Installation Procedure

1. Cut the hose near the Yellow filter inlet, fold it and secure with Tie-Wrap to prevent leakage.

2. Disconnect the filter from the inlet and outlet quick connectors.

3. Flush the filter inlet quick connector with a solvent and install it on the new bracket using a 19mm and 21mm wrenches.

4. Install the filter on the new bracket; verify correct direction (the draining cap is located at the inlet side); (see figure 2).

5. Connect the quick connector to the filter outlet, if necessary shorten the hoses by removing the one-way valve, and installing it back, using a 10mm and 14mm wrenches (see figure 3).

**Note:** Verify you install the one-way valve in the correct direction (the arrow should point towards the pressure sensor).

6. Connect a new hose from the filter inlet quick connector to the T-connector at the tank outlet (measure before cutting) in place of the old hose (folded), using a 10mm wrench.
7. Repeat steps 1 to 6 for the Cyan, Magenta, Black and Solvent filters (see figure 3).

**Note:** The solvent filter outlet is not connected to a one-way valve but to 14-micron filter.

8. Connect the solvent filter outlet to the 14-micron filter.

9. Using Tie-Wraps route all the hoses together.

![Figure 2: Five-Micron Filter Installation](image)

![Figure 3: Five-Micron Filters Bracket](image)
7. **Testing**

2. Activate all pumps (vacuum and then pressure).
3. Check system for leakage.

8. **Logistics**

**Kit Contents P/N: 211-40-05-001**

<table>
<thead>
<tr>
<th>P/N</th>
<th>Part Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-40-05-307</td>
<td>Pressure Detector Bracket - Rev 2.0</td>
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<tr>
<td>000-14-01-003</td>
<td>Nylon Tube 6mm – 8.0 m</td>
<td>1</td>
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</tbody>
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