MODIFICATION INSTRUCTIONS
for the
Kodak Professional Industrex B2000 PROCESSOR
Service Code: 3233

Modification No. 2
Type 1 Required

Purpose: To improve the plumbing connections by installing BARBED FITTINGS onto the HEAT EXCHANGERS.

⚠️ Important
Use qualified personnel to install this modification.

Service Effects: Record the part numbers in the MODIFICATION KIT in your newest Illustrated Parts List.

Special Requirements: None
Serial Numbers: 101 - 297
Installation Time: 1 hour
Special Tools: None
Parts Status: Available from Service Parts Management.
Parts Requirements: See Page 2.
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This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

MODIFICATION KIT 3H4124 includes:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3H8725</td>
<td>FORMED TUBING - large at 1 end, COOLING SOLENOID to the HEAT EXCHANGER on the DEVELOPER TANK</td>
<td>1</td>
</tr>
<tr>
<td>3H8746</td>
<td>FORMED TUBING - large at both ends, HEAT EXCHANGER on the FIXER TANK to the THERMOWELL</td>
<td>1</td>
</tr>
<tr>
<td>5B6156</td>
<td>BARBED FITTING</td>
<td>4</td>
</tr>
<tr>
<td>539139</td>
<td>HOSE - 12 1/4 in. x 3/4 in., COOLING SOLENOID to the HEAT EXCHANGER on the DEVELOPER TANK</td>
<td>2</td>
</tr>
<tr>
<td>246808</td>
<td>HOSE CLAMP - No. 10 wide band</td>
<td>4</td>
</tr>
<tr>
<td>914908</td>
<td>HOSE CLAMP - No. 12 narrow band</td>
<td>4</td>
</tr>
<tr>
<td>532378</td>
<td>O-RING</td>
<td>4</td>
</tr>
<tr>
<td>3H8748</td>
<td>MODIFICATION INSTRUCTIONS</td>
<td>1</td>
</tr>
</tbody>
</table>
Prerequisites

⚠️ Warning
Dangerous Voltage

[1] De-energize the PROCESSOR.
[2] Disconnect the power.
[3] Drain the 3 TANKS.

Installing the BARBED FITTINGS onto the HEAT EXCHANGER for the DEVELOPER TANK

Figure 1: Plumbing Configuration for the DEVELOPER TANK

⚠️ Caution
Use caution when you remove the FORMED TUBING and HOSES from the HEAT EXCHANGER. Chemical or water leakage can occur.

[1] Remove:

- HOSE that connects the HEAT EXCHANGER on the DEVELOPER TANK to the T-CONNECTOR
- FORMED TUBING that connects the HEAT EXCHANGER on the DEVELOPER TANK to the COOLING SOLENOID
Caution

- Do not use metal WASHERS with the new plastic BARBED FITTING, metal WASHERS can damage the threads.
- Damage to the O-RINGS or leakage will occur if you tighten the new BARBED FITTINGS excessively.

[2] Check the existing O-RINGS on the HEAT EXCHANGER for damage.

[3] If the existing O-RINGS on the HEAT EXCHANGER has damage, install the new O-RINGS from the MODIFICATION KIT.

[4] Remove and discard:
   - 2 GLAND NUTS
   - 2 WASHERS

Note
If necessary, move the HEAT EXCHANGER backward and forward to loosen the WASHERS.

[5] Carefully install the 2 new BARBED FITTINGS into the TANK FITTINGS.
Figure 3: Position of the TANK FITTING and the BARBED FITTING

[6] Position the HEAT EXCHANGER:
- parallel to the bottom of the TANK
- in the center of the BARBED FITTINGS
- 0.95 cm (3/8 in.) from the bottom of the BARBED FITTING

[7] See Figure 1 and 2 to install:

<table>
<thead>
<tr>
<th>Part</th>
<th>Connect to</th>
</tr>
</thead>
<tbody>
<tr>
<td>new FORMED TUBING 3H8725</td>
<td>new BARBED FITTING with new HOSE CLAMP 914908</td>
</tr>
<tr>
<td>new HOSE 539139</td>
<td>BARBED FITTING with new HOSE CLAMP 914908</td>
</tr>
<tr>
<td></td>
<td>COOLING SOLENOID with new HOSE CLAMP 246808</td>
</tr>
<tr>
<td></td>
<td>T-CONNECTOR with new HOSE CLAMP 246808</td>
</tr>
</tbody>
</table>
Installing the BARBED FITTINGS onto the HEAT EXCHANGER for the FIXER TANK

Figure 4: Plumbing Configuration for the FIXER TANK

⚠️ Caution
Use caution when you remove the FORMED TUBING and HOSES from the HEAT EXCHANGER. Chemical or water leakage can occur.

[1] Remove:
- HOSE that connects the HEAT EXCHANGER to the RECIRCULATION PUMP
- FORMED TUBING that connects the HEAT EXCHANGER to the THERMOWELL
Caution

- Do not use metal WASHERS with the new plastic BARBED FITTING; metal WASHERS can damage the threads.
- Damage to the O-RINGS or leakage will occur if you tighten the new BARBED FITTINGS excessively.

[2] Check the existing O-RINGS on the HEAT EXCHANGER for damage.

[3] If the existing O-RINGS on the HEAT EXCHANGER has damage, install the new O-RINGS from the MODIFICATION KIT.

[4] Remove and discard:
   - 2 GLAND NUTS
   - 2 WASHERS

Note

If necessary, move the HEAT EXCHANGER backward and forward to loosen the WASHERS.

[5] Carefully install the 2 new BARBED FITTINGS into the TANK FITTINGS.
Figure 6: Position of the TANK FITTING and the BARBED FITTING

[6] Position the HEAT EXCHANGER:
- parallel to the bottom of the TANK
- in the center of the BARBED FITTINGS
- 0.95 cm (3/8 in.) from the bottom of the BARBED FITTING

[7] See Figure 4 and 5 to install:

<table>
<thead>
<tr>
<th>Part</th>
<th>Connect to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>new FORMED TUBING 3H8746</td>
<td>new BARBED FITTING with new HOSE CLAMP 914908</td>
</tr>
<tr>
<td>new HOSE 539139</td>
<td>BARBED FITTING with new HOSE CLAMP 914908</td>
</tr>
</tbody>
</table>

Completing the Modification

[1] Circle “2” on the MODIFICATION LABEL.
[2] Fill the 3 TANKS.
[3] Check:
- HOSE CLAMPS for leakage
- PROCESSOR for correct operation

Publication History

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<th>Publication Date</th>
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<td>08DEc98</td>
<td>2638-108</td>
<td>3H8748</td>
<td>All</td>
<td>ma3233_2_08dec98.fm</td>
<td>New Publication</td>
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