

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:

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

Prerequisites

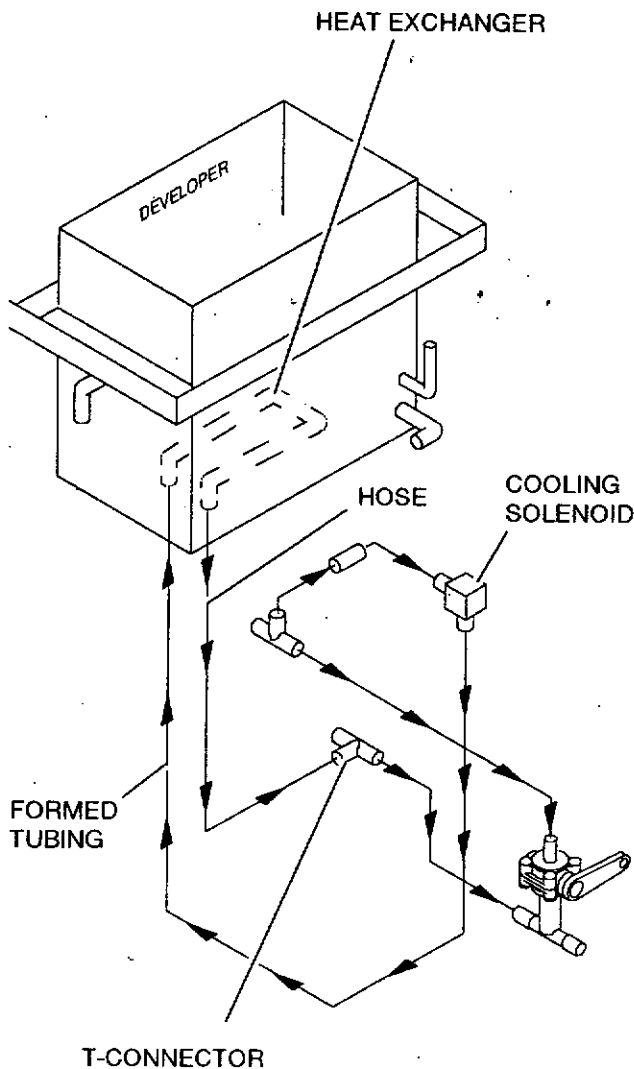


Warning Dangerous Voltage

- [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

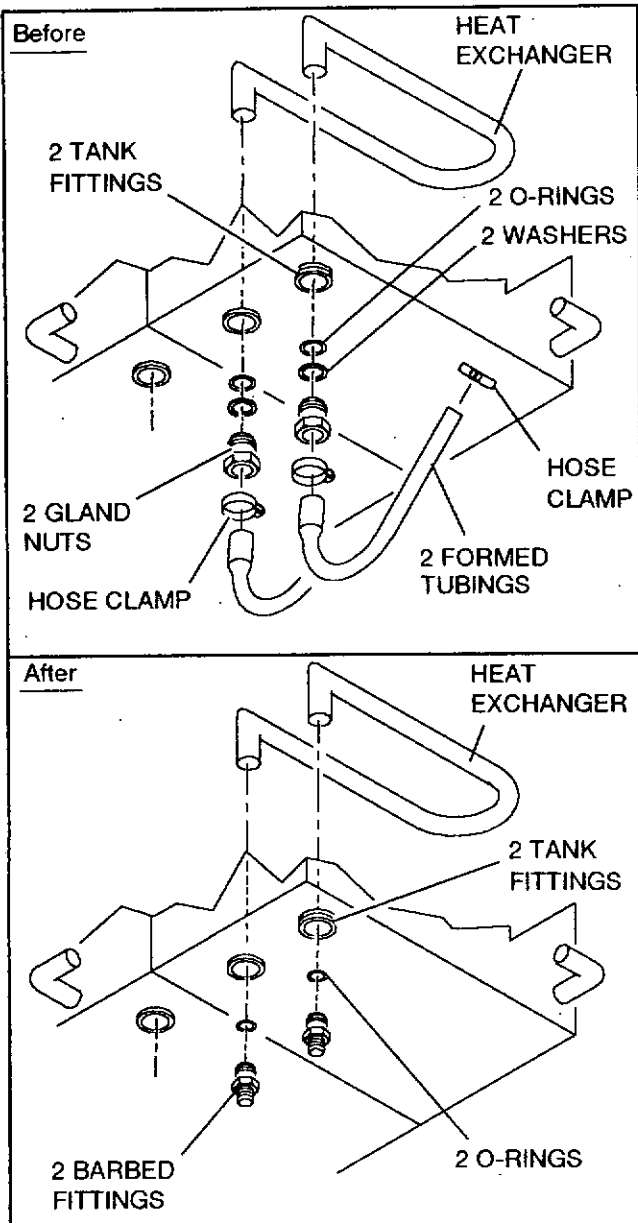
Use caution when you remove the FORMED TUBING and HOSES from the HEAT EXCHANGER. Chemical or water leakage can occur.

[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

H136_2733CCA
H136_2733CC

Figure 2: BARBED FITTING and HEAT EXCHANGER



 **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

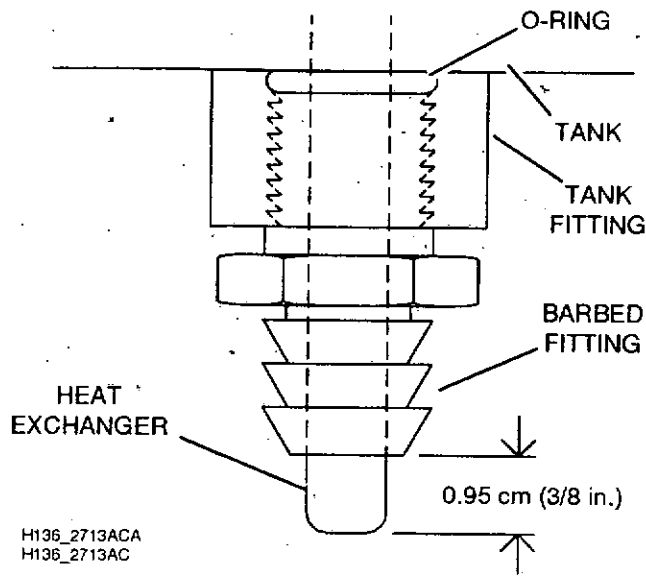
 **Note**

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.

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H136_2730CC

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:

Part	Connect to:	
new FORMED TUBING 3H8725	new BARBED FITTING with new HOSE CLAMP 914908	COOLING SOLENOID with new HOSE CLAMP 246808
new HOSE 539139	BARBED FITTING with new HOSE CLAMP 914908	T-CONNECTOR with new HOSE CLAMP 246808

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

Figure 4: Plumbing Configuration for the FIXER TANK

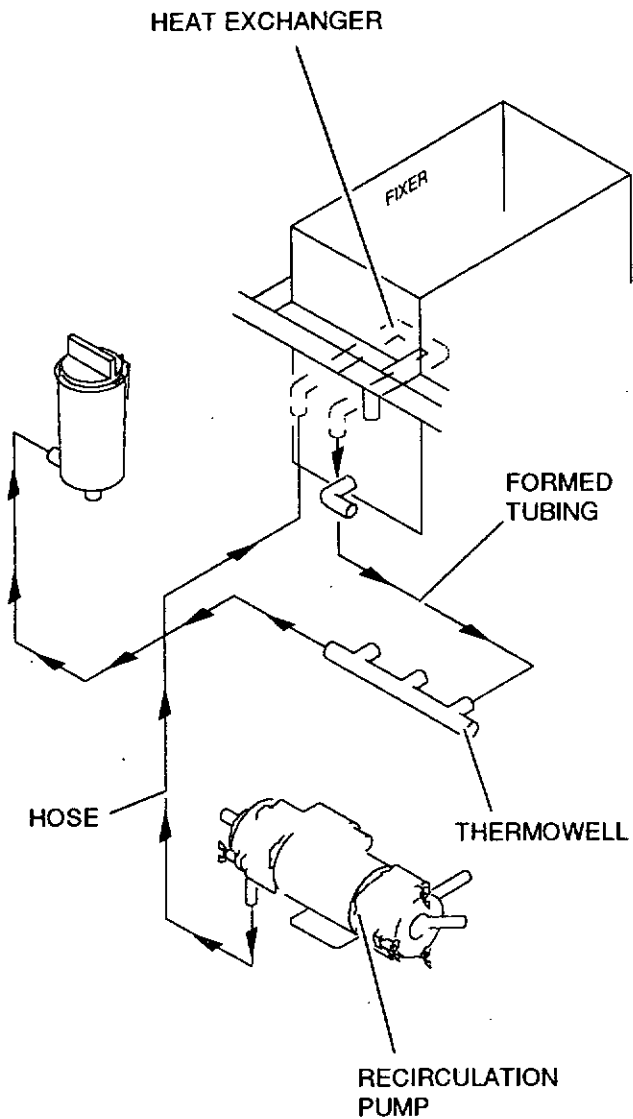


Caution

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

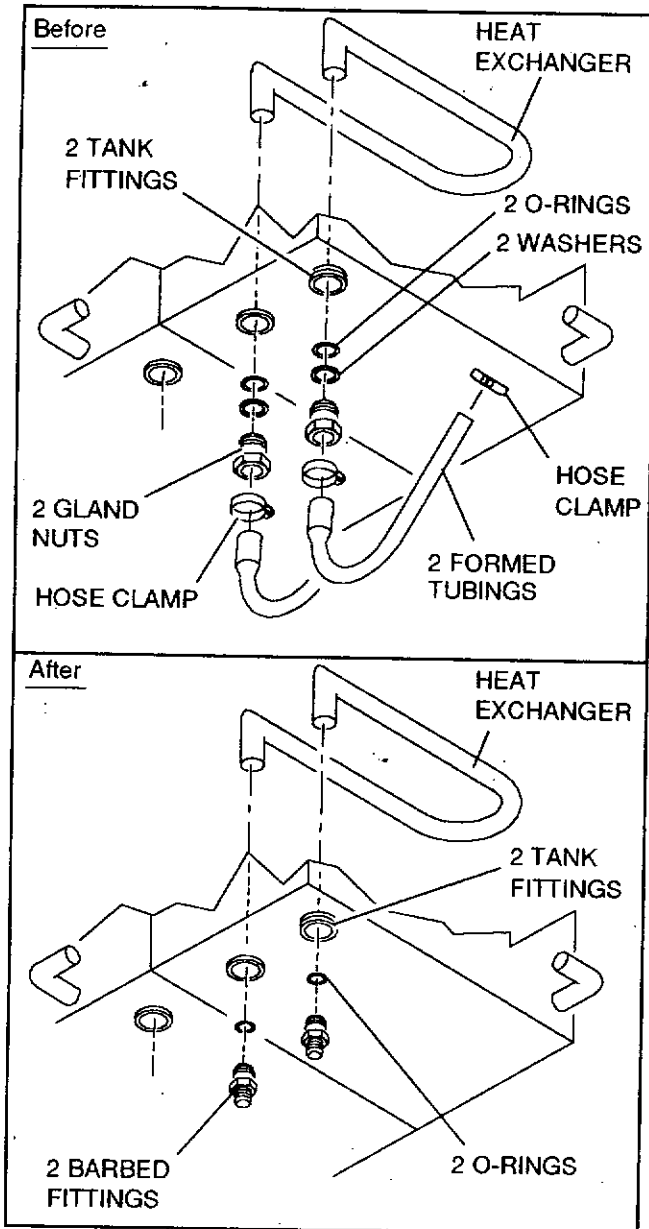
[1] Remove:

- HOSE that connects the HEAT EXCHANGER to the RECIRCULATION PUMP
- FORMED TUBING that connects the HEAT EXCHANGER to the THERMOWELL



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H136_2732CC

Figure 5: BARBED FITTING and HEAT EXCHANGER



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H136_2730CC

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.

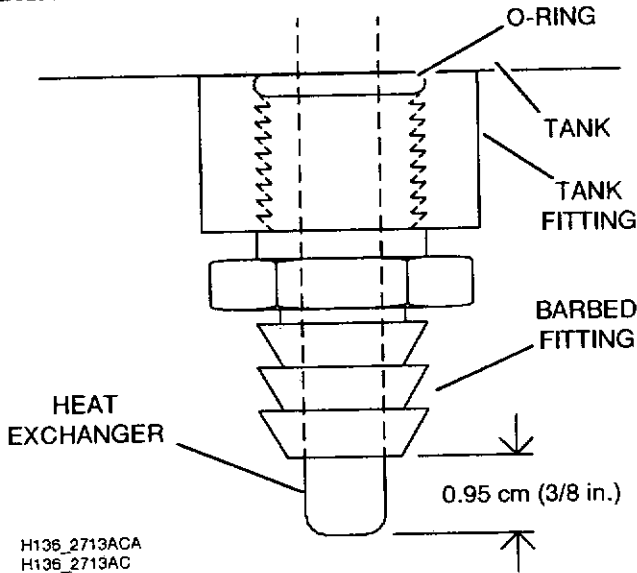
- [2] Check the existing O-RINGS on the HEAT EXCHANGER for damage.
- [3] If the existing O-RINGS on the HEAT EXCHANGER has damage, install the new O-RINGS from the MODIFICATION KIT.
- [4] Remove and discard:
 - 2 GLAND NUTS
 - 2 WASHERS

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:

Part	Connect to:	
new FORMED TUBING 3H8746	new BARBED FITTING with new HOSE CLAMP 914908	THERMOWELL with new HOSE CLAMP 246808
new HOSE 539139	BARBED FITTING with new HOSE CLAMP 914908	RECIRCULATION PUMP with new HOSE CLAMP 246808

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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