

MODIFICATION INSTRUCTIONS

for the

Kodak X-Omat 5000 RA PROCESSOR

Service Code 3425

Modification No. 1

Type 1 Required

- Purpose:**
- To improve film transport by installing a new FIXER RACK.
 - To allow cleaning of the CROSSOVERS by installing a new MAIN DRIVE SHAFT, CROSSOVERS, and YOKE.
 - To provide correct grounding of the REPLENISHMENT PUMPS.



Important

Use qualified service personnel to install this modification.

Service Effects:	This mod includes replacement pages to update the Parts List 5B6345 to reflect the new configurations. The procedure in the Adjustments and Replacements 5B6340 for "Removing the DRIVE ROLLER from the RACK" does not reflect the new configuration of the FIXER RACK.
Special Requirements:	None
Serial Numbers:	101 - 150
Installation Time:	approximately 2 hours
Special Tools:	paint removal tool (not provided), such as a grinder or polisher or sandpaper glossy black, rust-inhibitive paint (not provided) 4 CLAMPS TL-2170
Parts Status:	Parts available from Service Parts Management
Parts Requirements:	See the Parts List on Page 2.



HEALTH IMAGING

PLEASE NOTE The information contained herein is based on the experience and knowledge relating to the subject matter gained by Eastman Kodak Company prior to publication.

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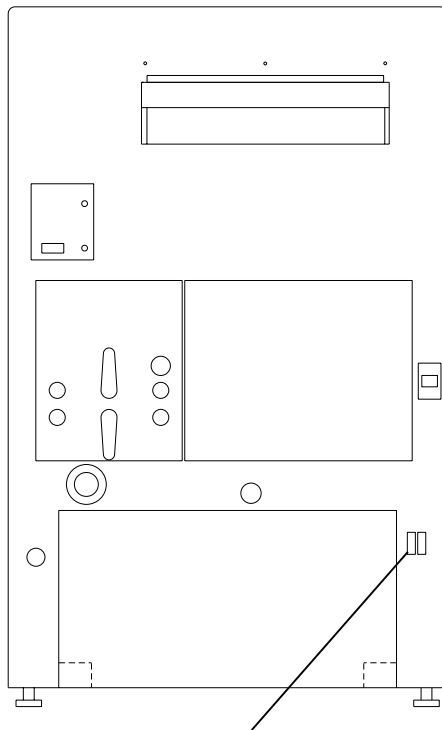
This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

Parts List:

MODIFICATION KIT 8B7404 includes the following parts:

Part No.	Description	Quantity
8B7296	MAIN DRIVE SHAFT AND GEAR ASSEMBLY	1
748955	MAIN DRIVE WORM, Left-Hand	1
853000	SPIRAL PIN	2
8B7297	YOKE ASSEMBLY	1
8B7294	FIXER RACK	1
8B6965	DEVELOPER/FIXER CROSSOVER	1
8B6966	FIXER/WASH CROSSOVER	1
5B6948	EVAPORATION COVER	2
168424	STAR WASHER	2
619365	STAR WASHER	4
8B7019	Instructions	1
5B6729	new Operator Manual	1
5B6345	new Parts List	1

Preparing the PROCESSOR



MAIN CIRCUIT BREAKER CB1

H148_0001GCC
H148_0001GA

[1] Update the service binder for the PROCESSOR:

- Discard:
 - Supplement, Publication Part No. 8B7018, from the pocket in the front of the Binder
 - Operator Manual, Publication Part No. 5B6729
 - Parts List, Publication Part No. 5B6345
- Insert the Operator Manual and Parts List provided in the Mod Kit.



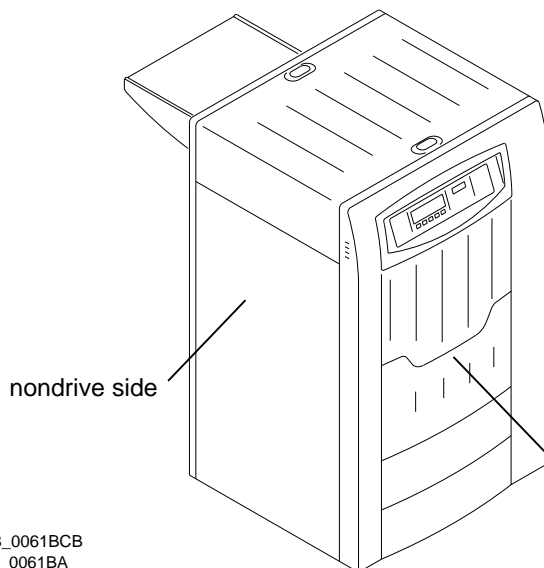
Warning

- Dangerous voltage.
- The MAIN CIRCUIT BREAKER CB1 must be in the “OFF” position before you begin any service procedure.
- The PROCESSOR appears to be de-energized when it is in the Sleep Mode.

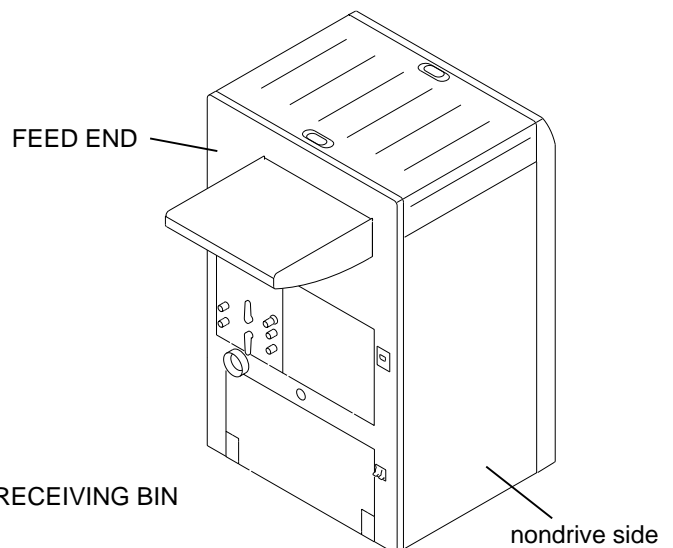
[2] De-energize the PROCESSOR.

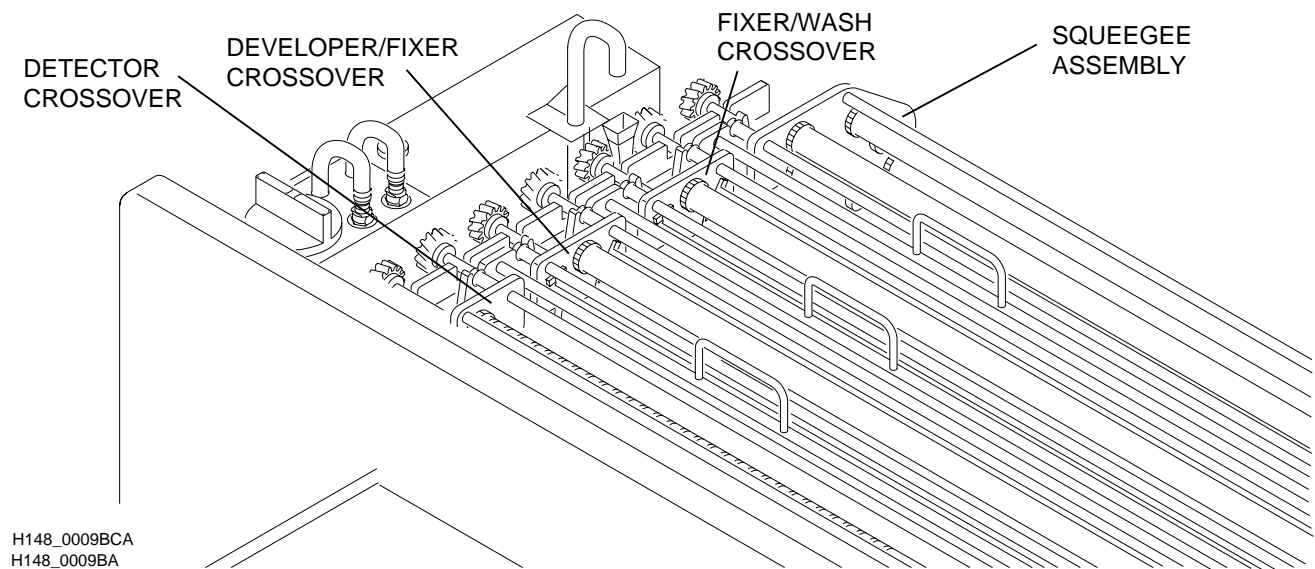
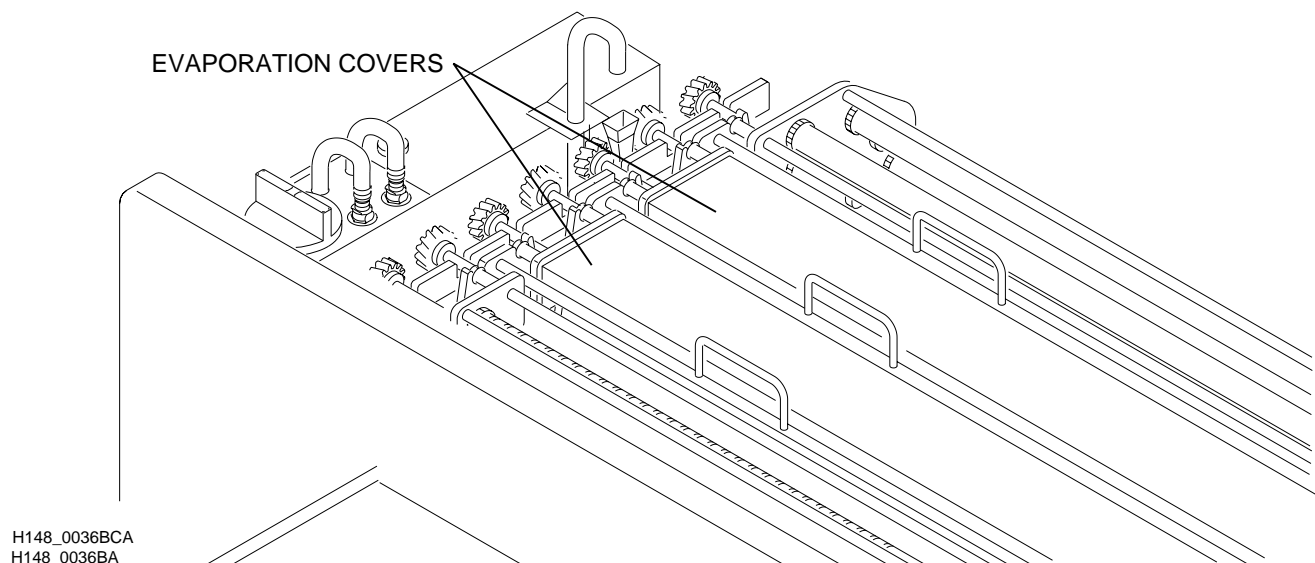
- (a) Move the MAIN CIRCUIT BREAKER CB1 to the “OFF” position.
- (b) Move the wall CIRCUIT BREAKER to the “OFF” position.
- (c) Lock the wall CIRCUIT BREAKER and attach a MAGNETIC POWER WARNING SIGN TL-1926 to warn others not to energize the PROCESSOR while you are performing service.

[3] Remove the TOP COVER and the drive and nondrive SIDE PANELS.

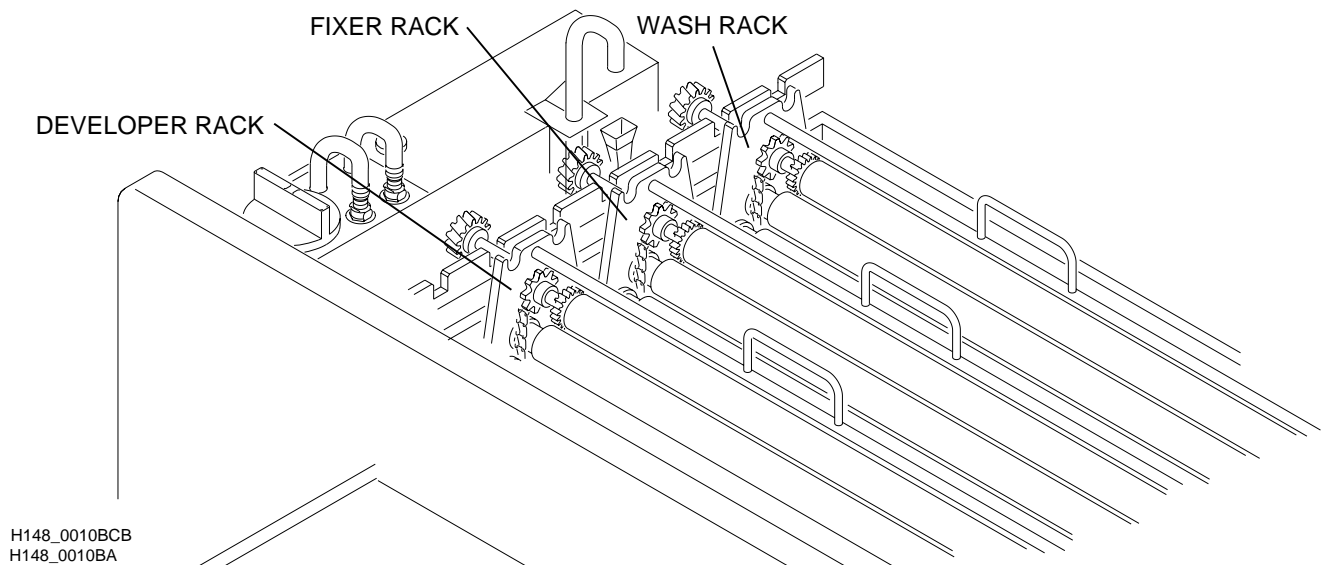


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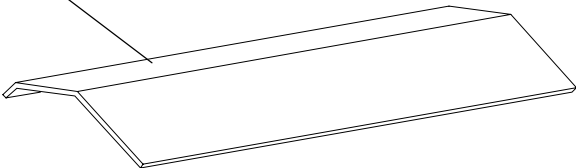
- [4]** Remove the EVAPORATION COVERS.
- [5]** Remove the CROSSOVERS one at a time.
 - (a)** Carefully lift the CROSSOVER.
 - (b)** Hold a DRIP TRAY under the CROSSOVER and remove the CROSSOVER from the PROCESSOR.



[6] Remove the DEVELOPER RACK.

- (a) Slowly lift the DEVELOPER RACK from the PROCESSOR. With the RACK over the DEVELOPER TANK, tilt the RACK to drain the developer into the TANK.
- (b) Hold a DRIP TRAY under the DEVELOPER RACK and remove the RACK from the PROCESSOR.

SPLASH
GUARD



RACK
DRIP
TRAY

H108_0035ACA
H108_0035AA



Caution

Do not allow fixer to contaminate the developer solution.

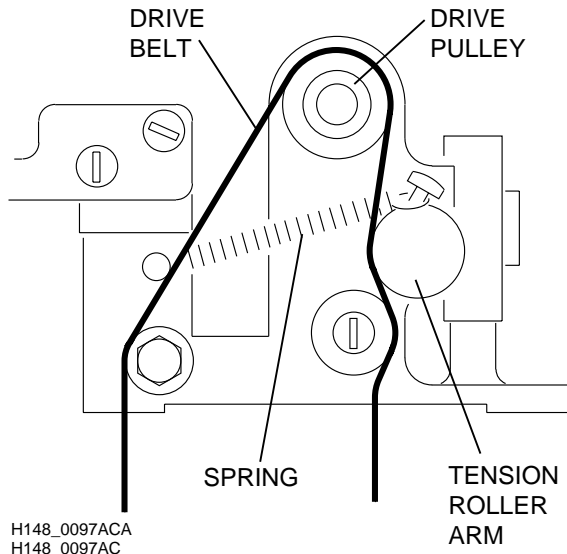
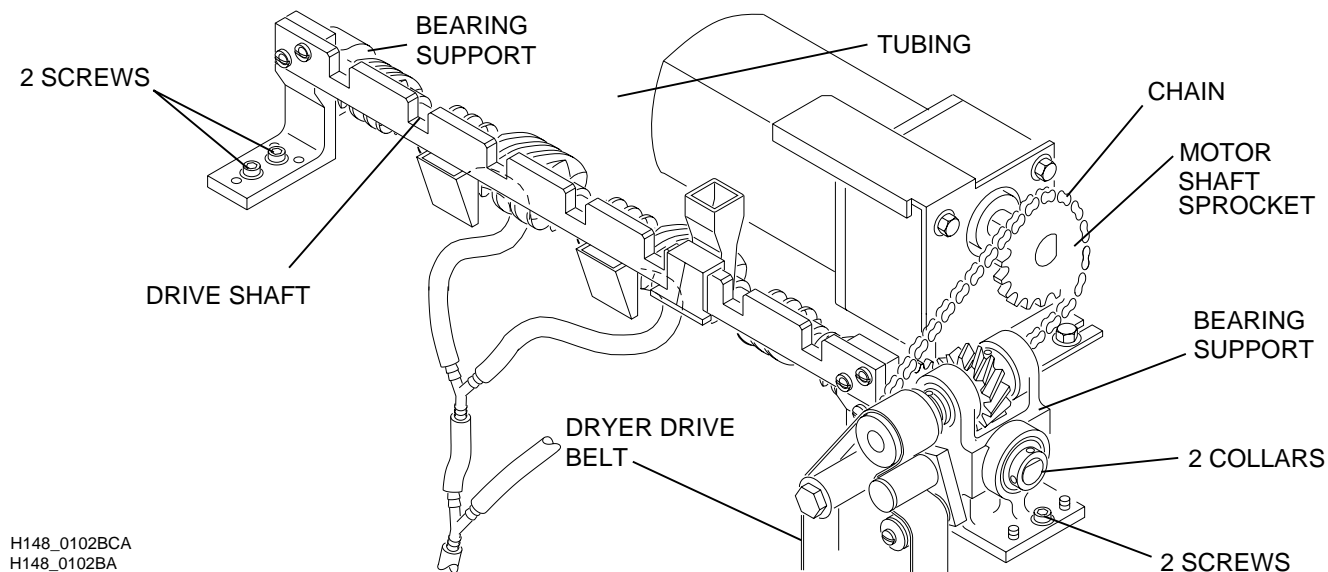
[7] Remove the FIXER RACK.

- (a) Place the SPLASH GUARD between the developer and fixer TANKS.
- (b) Slowly lift the FIXER RACK from the PROCESSOR. With the RACK over the FIXER TANK, tilt the RACK to drain the fixer into the fixer TANK.
- (c) Hold a DRIP TRAY under the FIXER RACK and remove the RACK from the PROCESSOR.

[8] Remove the WASH RACK.

- (a) Lift the WASH RACK from the WASH TANK.
- (b) Hold a DRIP TRAY under the WASH RACK and remove the RACK from the PROCESSOR.

Installing the New MAIN DRIVE SHAFT

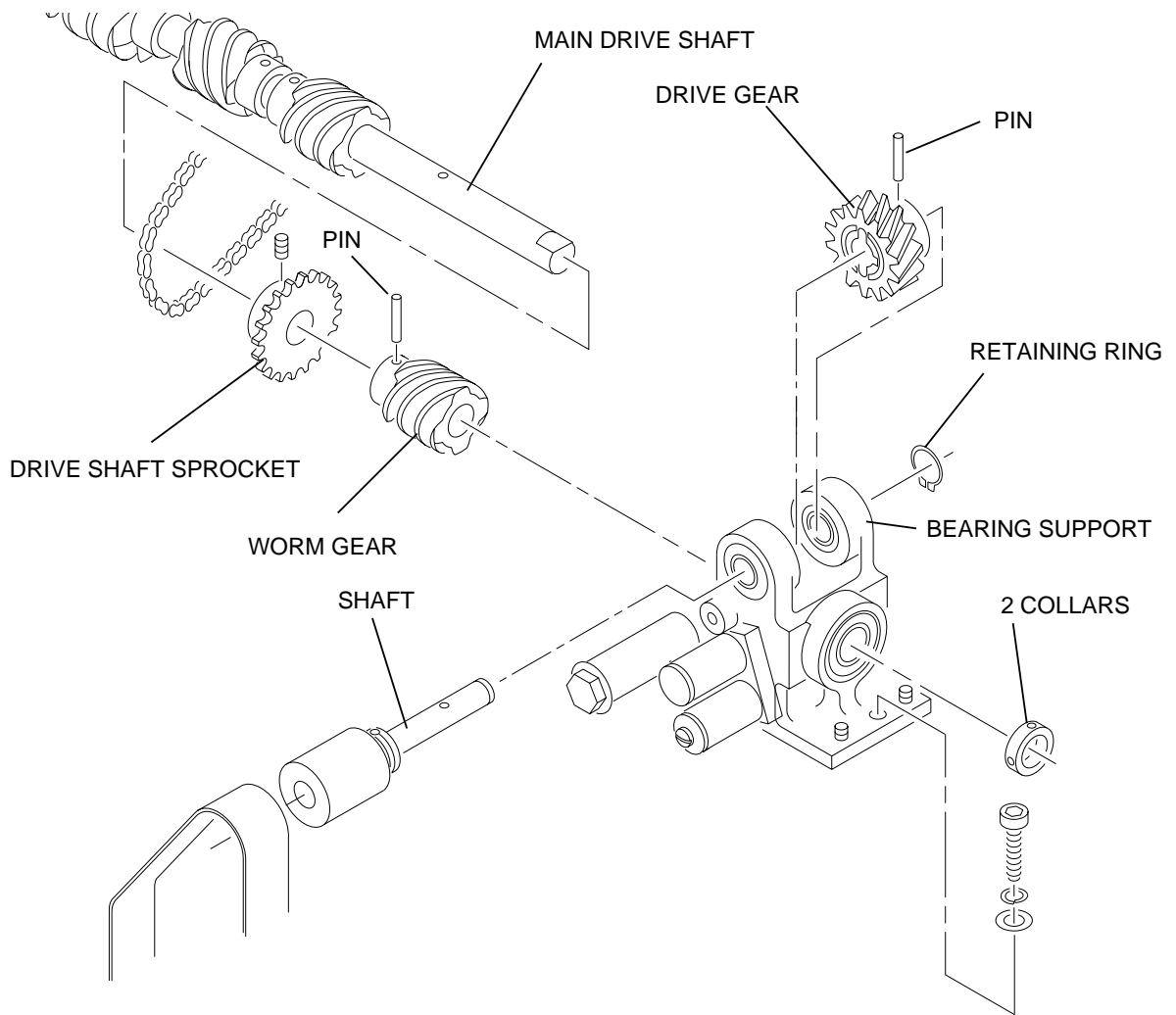


[1] Remove:

- SPLASH GUARD from the DRIVE MOTOR
- SPRING from the TENSION ROLLER ARM, or release the tension on the DRIVE BELT
- DRYER DRIVE BELT from the DRIVE PULLEY

[2] Remove the MAIN DRIVE ASSEMBLY:

- (a) Remove the 2 SCREWS from each of the 2 BEARING SUPPORTS.
- (b) Remove the CHAIN from the MOTOR SHAFT SPROCKET.
- (c) Disconnect the TUBING.
- (d) Lift the MAIN DRIVE ASSEMBLY from the PROCESSOR.



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H148_0196DA

[3] Remove the MAIN DRIVE SHAFT from the assembly by removing:

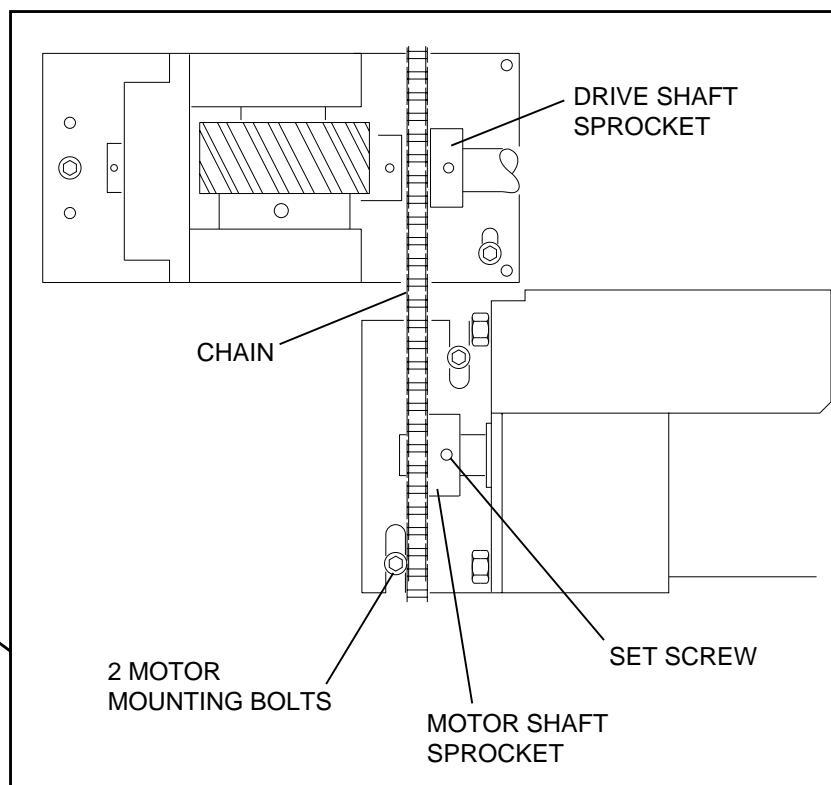
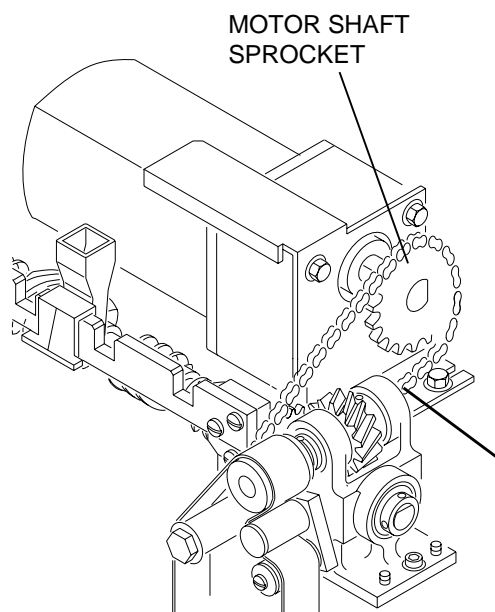
- COLLAR from each end of the MAIN DRIVE SHAFT
- RETAINING RING
- PIN from the DRIVE GEAR
- SHAFT and DRIVE GEAR from the BEARING SUPPORT
- WORM GEAR and PIN
- DRIVE SHAFT SPROCKET

[4] Install on the new MAIN DRIVE SHAFT:

- DRIVE SHAFT SPROCKET from the existing MAIN DRIVE SHAFT
- new WORM GEAR and new PIN
- other items from Step 3

[5] Check that the gaps between the COLLARS and the BEARING SUPPORTS are 0.5 mm (0.020 in.).

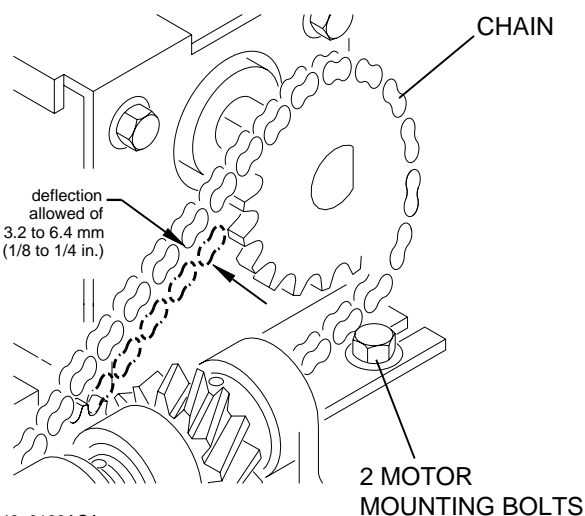
[6] Install the new MAIN DRIVE ASSEMBLY into the PROCESSOR.



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H148_0127HA

[7] Align the MOTOR SHAFT SPROCKET.

- (a) Loosen the SETSCREW on the MOTOR SHAFT SPROCKET.
- (b) Align the MOTOR SHAFT SPROCKET with the DRIVE SHAFT SPROCKET.
- (c) Tighten the SETSCREW.



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H148_0128AA

- [8]** Check that the deflection of the CHAIN is 3.2 to 6.4 mm ($\frac{1}{8}$ to $\frac{1}{4}$ in.).



Caution

Do not make the CHAIN too tight.

- [9]** If necessary, adjust the tension:

- (a) Loosen the 2 MOTOR MOUNTING BOLTS.
- (b) Move the DRIVE MOTOR to adjust the CHAIN for the correct deflection.
- (c) Tighten the 2 MOTOR MOUNTING BOLTS.

- [10]** Install the SPLASH GUARD on the DRIVE MOTOR.

Installing the RACKS and the YOKE



Warning

- The PROCESSOR must be de-energized when you do the following procedure.
- Install the FIXER RACK first and use the SPLASH GUARD.

[1] Place the SPLASH GUARD between the TANKS for the developer and fixer.



Caution

Do not splash fixer solution when you install the FIXER RACK.

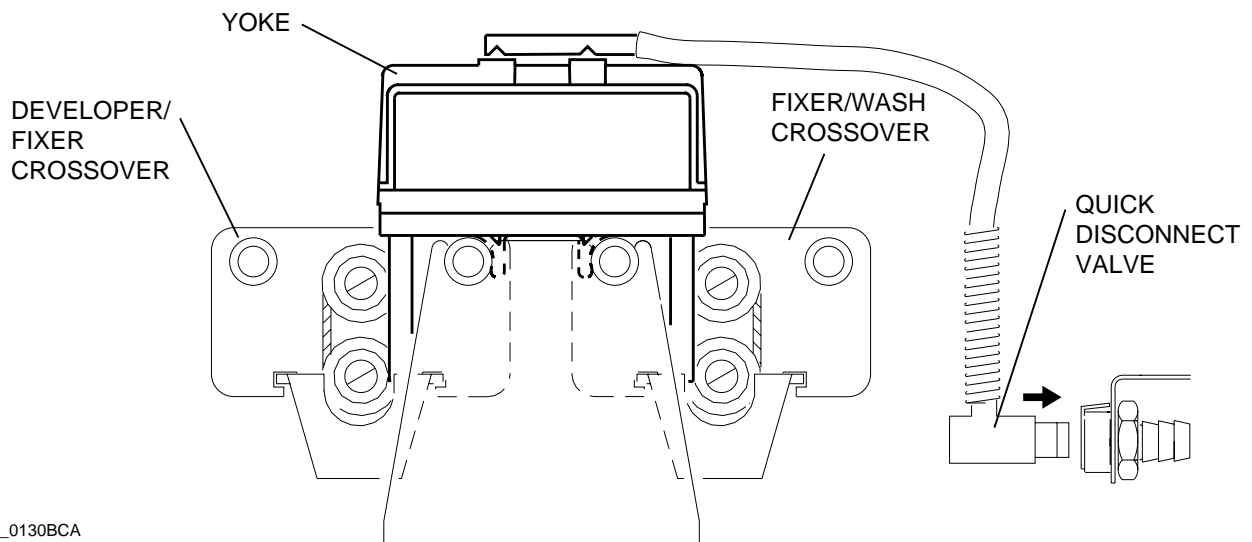
[2] Slowly install the new FIXER RACK in the FIXER TANK.

[3] Remove the SPLASH GUARD.

[4] Slowly install the existing DEVELOPER RACK.

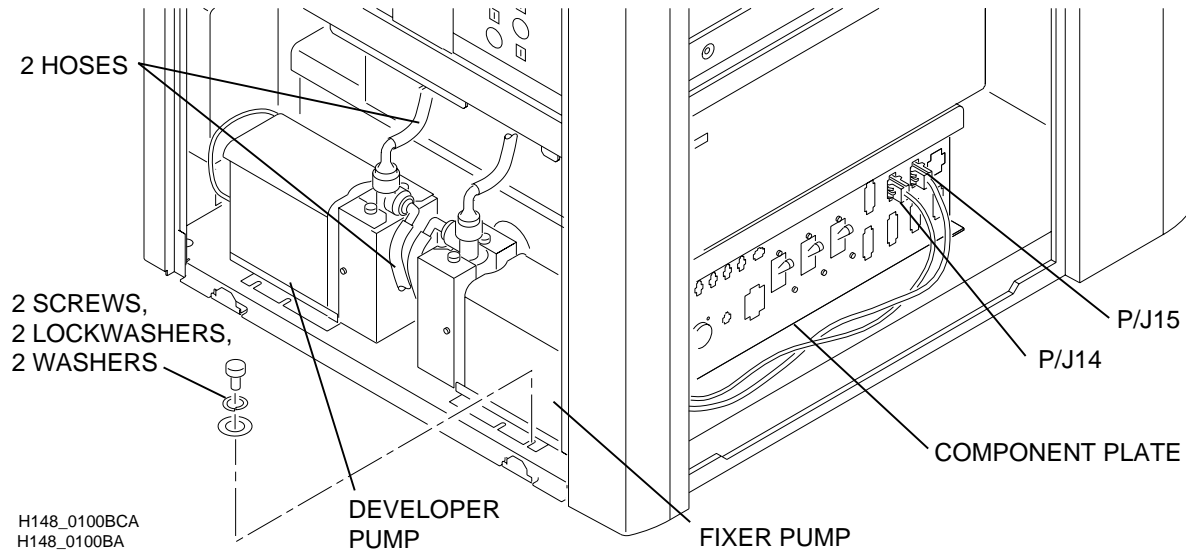
[5] Install:

- existing WASH RACK
- existing DETECTOR CROSSOVER
- new FIXER/WASH CROSSOVER
- new DEVELOPER/FIXER CROSSOVER
- existing SQUEEGEE ASSEMBLY
- new EVAPORATION COVERS
- YOKE correctly between the 2 CROSSOVERS
- QUICK DISCONNECT VALVE



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Improving the Ground for the REPLENISHMENT PUMPS



[1] Remove:

- RECEIVING BIN
- ELECTRICAL BOX ACCESS PANEL

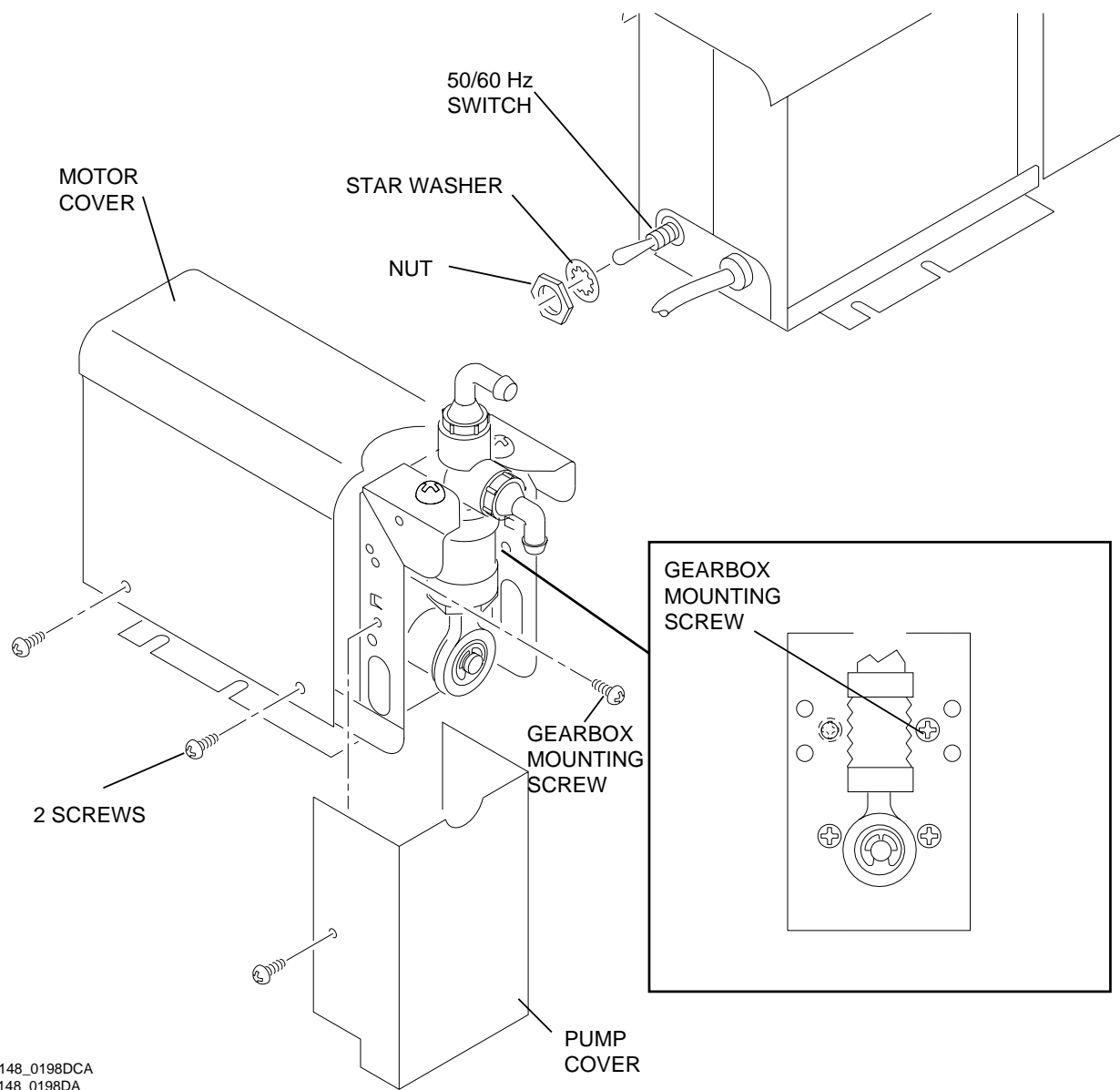
[2] Disconnect:

- P/J14 for the developer PUMP
- P/J15 for the fixer PUMP

Note

Do the following steps on both of the REPLENISHMENT PUMPS.

- [3]** Install CLAMPS TL-2170 on each of the 2 HOSES on one of the PUMPS.
- [4]** Loosen the HOSE CLAMPS and remove the 2 HOSES from the PUMP.
- [5]** Remove the 2 SCREWS and the PUMP.



[6] Remove from the PUMP:

- **PUMP and MOTOR COVERS**
- **NUT and STAR WASHER** from the 50/60 Hz SWITCH
- one of the **GEARBOX MOUNTING SCREWS**

[7] Remove the paint from:

- around the 2 holes on one side of the **MOTOR COVER**
- around the hole for the **GEARBOX MOUNTING SCREW**
- around the hole for the 50/60 Hz SWITCH

[8] Install the 50/60 Hz SWITCH, and check that it is in the correct position for 50 or 60 Hz.

[9] Install the GEARBOX MOUNTING SCREW. Add an additional STAR WASHER 168424.

[10] Install the PUMP and MOTOR COVERS. Use the original 2 SCREWS and 2 additional STAR WASHERS 619365.

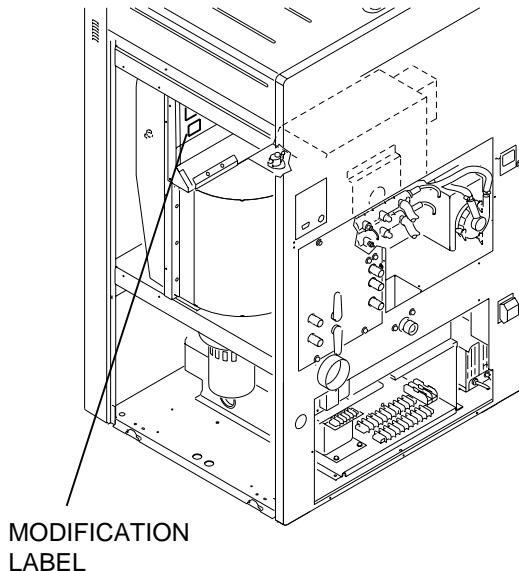
[11] Apply glossy black, rust-inhibitive paint over the SCREWS and STAR WASHERS where you removed the paint.

[12] Install the REPLENISHMENT PUMP.

[13] Do Steps 3 through 12 for the other REPLENISHMENT PUMP.

[14] Connect P/J14 and P/J15.

Checking for Correct Operation



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[1] Install:

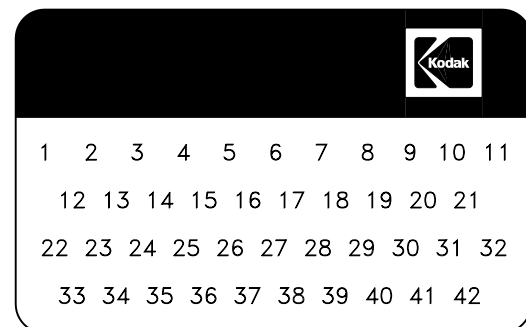
- ELECTRICAL BOX ACCESS PANEL
- RECEIVING BIN
- TOP COVER

[2] Energize the PROCESSOR.

- (a) Remove the MAGNETIC POWER WARNING SIGN from the wall CIRCUIT BREAKER. Move the wall CIRCUIT BREAKER to the "ON" position.
- (b) Move the MAIN CIRCUIT BREAKER CB1 to the "ON" position.

[3] Check for correct operation and leakage.

[4] Circle the "1" on the MODIFICATION LABEL.



[5] Install the SIDE PANELS.

Publication History

Print Date	Pub. No.	ECO No.	Affected Pages	File Name	Notes
JAN96	8B7019	2649-070	All	ma3425_1_01jan96.doc	New Modification Instructions

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