

Type 2 MODIFICATION INSTRUCTIONS for the *Kodak X-Omat 5000 RA PROCESSOR* Mod No. 4

Purpose: To enable a 5000 RA PROCESSOR to process 30 second processable films.



Important

Use qualified service personnel to install this modification.

Service Effects:	None.
Special Requirements:	Requires that Mod # 1 be installed on the <i>Kodak X-Omat 5000 RA</i> Integrated Chemical Mixer (if using the mixer with this PROCESSOR).
Serial Numbers:	Unit Serial No. 1022 and above have the Super Kwik (SK) compatible 2000 BOARD
Special Tools:	PORTABLE COMPUTER INTERFACE CABLE TL-4391
Installation Time:	Approximately 0.5 hours
Parts Status:	Available from Service Parts Management
Parts Requirements:	See the Parts List on Page 2.



HEALTH IMAGING

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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.

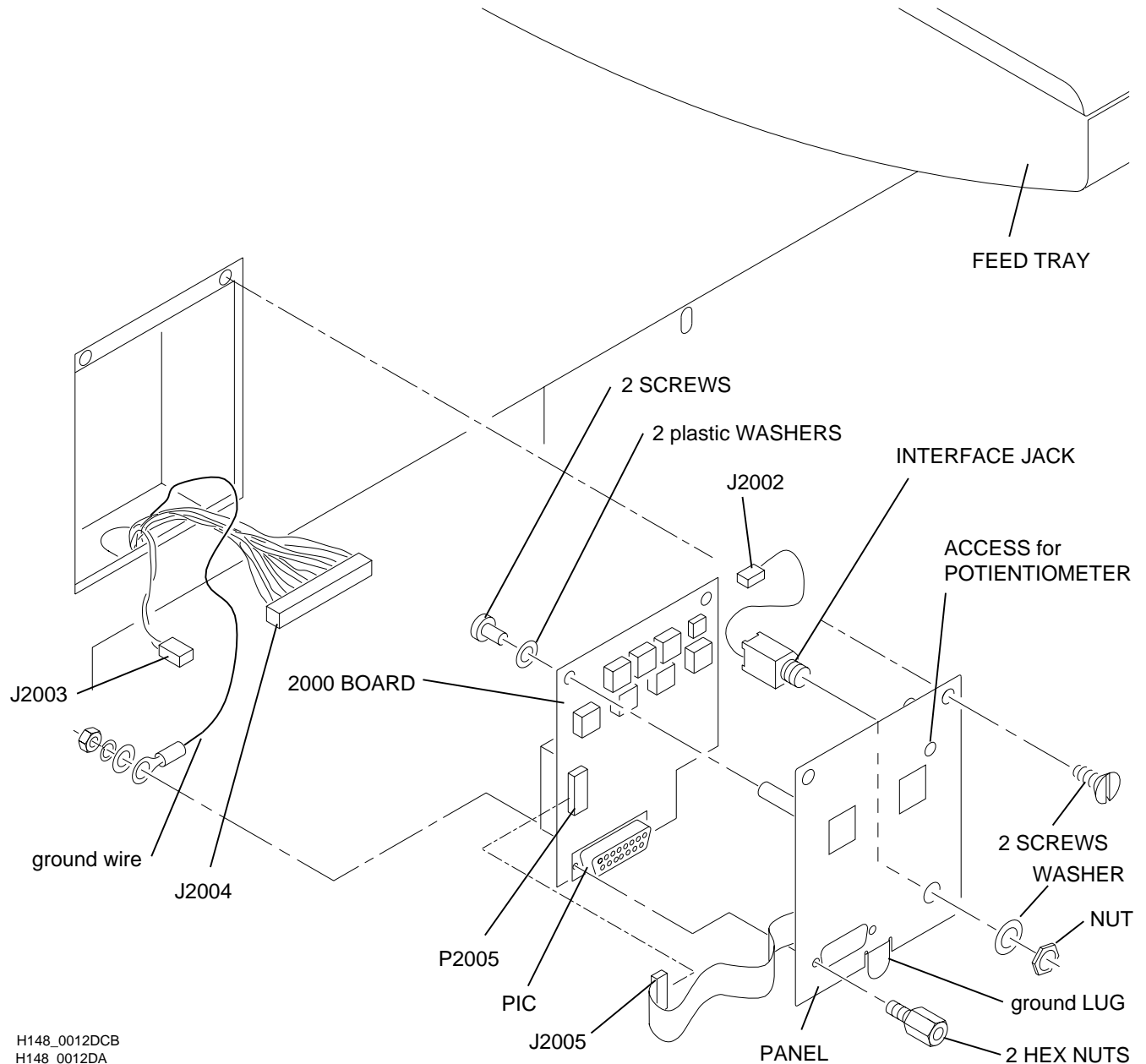
Mod Kit, No. 4, 9B8616 includes:

Part No.	Description	Quantity
9B8875	NAMEPLATE-LABEL SK	1
9B8754	DISKETTE, PKD	1
9B8945	Mod Instructions	1
1C0586	OPERATORS MANUAL - SK	1
9B8615	2000 BD, PKD	1

Installing Mod 4 on the 5000 PROCESSOR:

- [1] If changing chemicals, drain the chemicals from the PROCESSOR, and rinse the processing TANKS thoroughly.
- [2] De-energize the 5000 RA PROCESSOR.

Figure 1 Replacement of the 2000 INTERFACE BOARD



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H148_0012DA



Caution

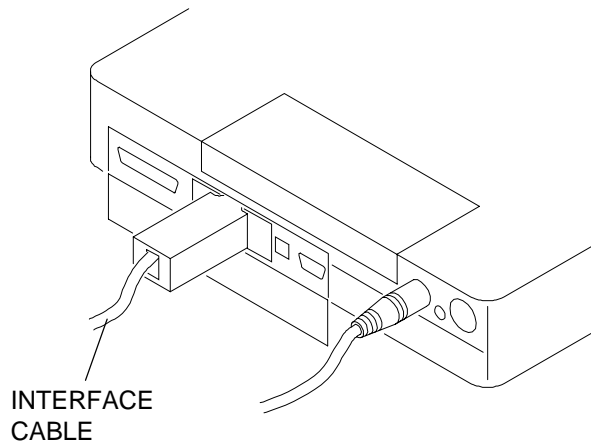
- Possible damage from electrostatic discharge.
- Prevent damage to the wires and components.

[3] Remove the existing 2000 INTERFACE BOARD:

- (a) Remove the 2 SCREWS.
- (b) Carefully, tilt the top of the PANEL away from the PROCESSOR.
- (c) Disconnect J2004, J2003, and J2002.
- (d) Remove: the ground wire.
 - ground wire
 - 2 HEX NUTS from the PROCESSOR INTERFACE CONNECTOR (PIC)
 - 2 SCREWS and the 2 plastic WASHERS
- (e) Disconnect J2005.
- (f) Lift the FOIL (not indicated) from the ground LUG.
- (g) Remove the 2000 BOARD from the PANEL.

[4] Install new 2000 BOARD.

Figure 2 **Connecting the INTERFACE CABLE**



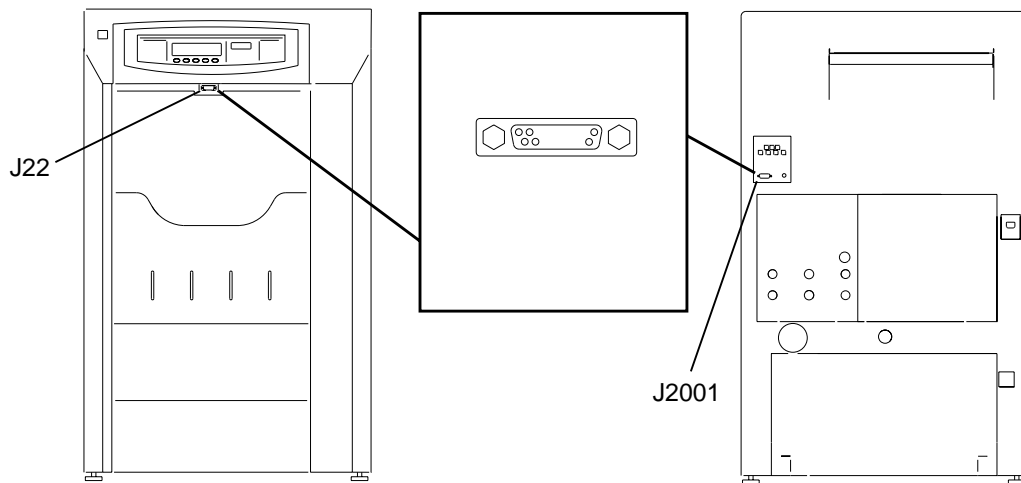
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Important

- This procedure downloads software simultaneously to both the 5000 and the 6000 BOARDS.
- Required Tools:
 - PORTABLE COMPUTER; See Special Tools.
 - INTERFACE CABLE TL-4391
 - DOWNLOAD DISK 8B7068

Figure 3 **Downloading the Operating Software**

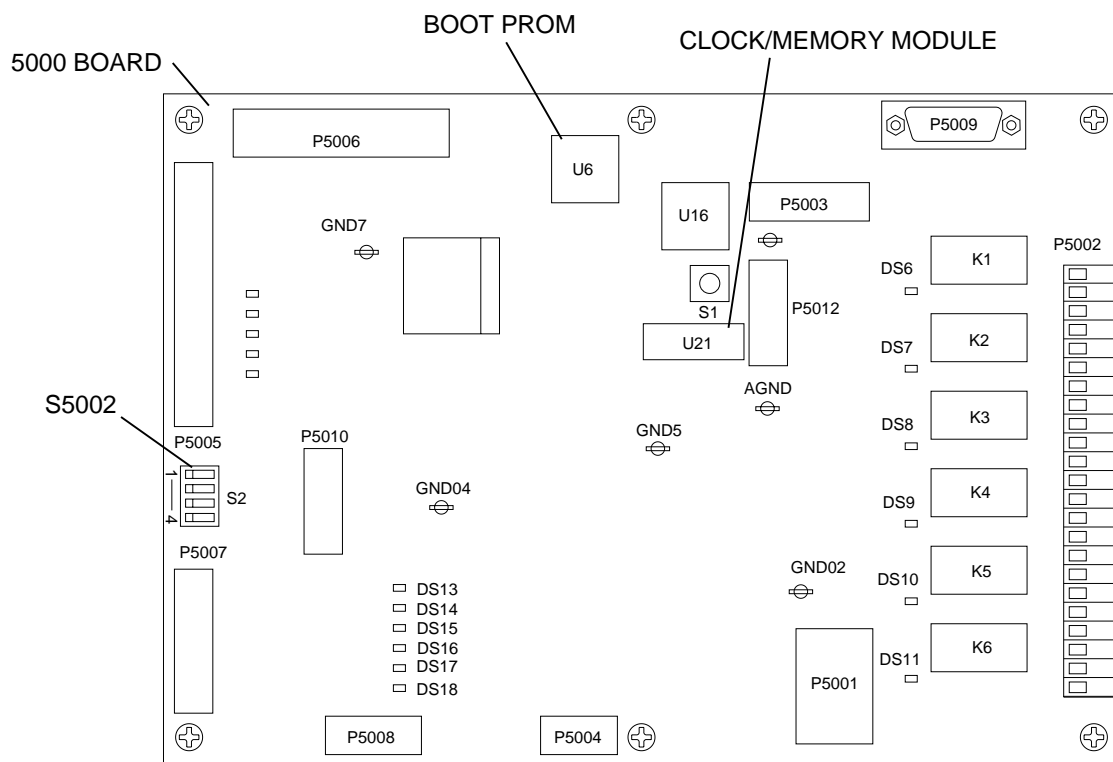


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[5] Download the Operating Software:

- (a) Connect the PORTABLE COMPUTER to either
 - J22 or
 - J2001 (PIC) on the CONTROL PANEL
- (b) Connect the INTERFACE CABLE to the PORTABLE COMPUTER.
- (c) Energize the PROCESSOR.
- (d) Allow the PROCESSOR to operate for a minimum of 10 seconds.
- (e) Energize the PORTABLE COMPUTER.
- (f) Insert the DOWNLOAD DISKETTE into the A DRIVE of the computer.
- (g) At the C:> prompt, type **A:** and press [Enter]
- (h) At the A:> prompt, type **DOWNLOAD** and press [Enter]

Figure 4 Enabling the SK Capabilities



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H148_0079HA

[6] Enable the SK capabilities:

(a) Remove:

- RECEIVING BIN
- ELECTRICAL BOX ACCESS PANEL

(b) Extend the ELECTRICAL BOX and open the COVER

(c) Energize the PROCESSOR

(d) With the Walk-Up Menu displayed move SWITCH #2 of S002 on the 5000 BOARD to the opposite position.

Note

The SWITCH positions on SWITCH S5002 are arbitrary. The PROCESSOR does not read the actual position of the SWITCH; the PROCESSOR reads a signal change caused when a SWITCH position is changed while the PROCESSOR is energized.

(e) Press GO TO SETUP

READY				STD
DRYER TEMP	SLEEP	SELECT CYCLE	MORE	GO TO SETUP

(f) Immediately enter the SK access code: 2243

1	2	3	4	CANCEL REQUEST
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- (g) Press the appropriate key for the desired chemicals.

SELECTED CHEMISTRY IS RP				
RP	RA	SK		DONE/ RETURN

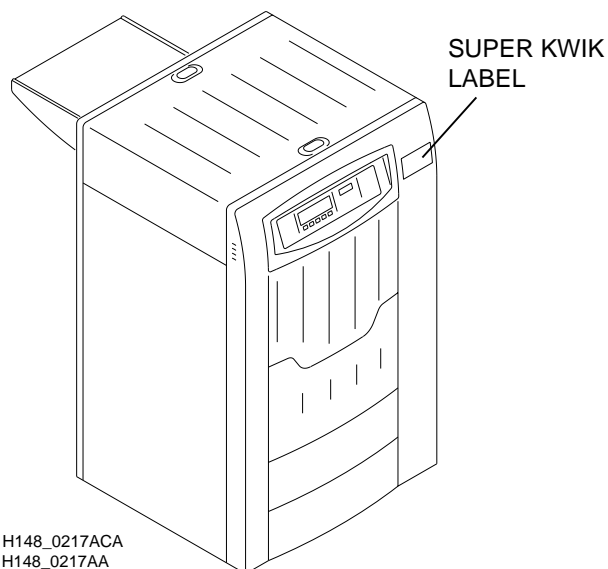
- (h) One of the following 3 screens will appear. Press the key for the desired film processing cycle.

RP	PRESS BUTTON TO SELECT				STD
	RAPID CYCLE	STD CYCLE	EXTD CYCLE		DONE/ RETURN
RA	PRESS BUTTON TO SELECT				K/RA
	K/RA CYCLE				DONE/ RETURN
SK	PRESS BUTTON TO SELECT				SK/RA
	SK/RA CYCLE	K/RA CYCLE			DONE/ RETURN

- (i) Press the “DONE/RETURN” key repeatedly until you return to the display shown below. Then press the “YES” key to return to the Walk-Up Menu.

EXIT SETUP?				
YES				CANCEL REQUEST

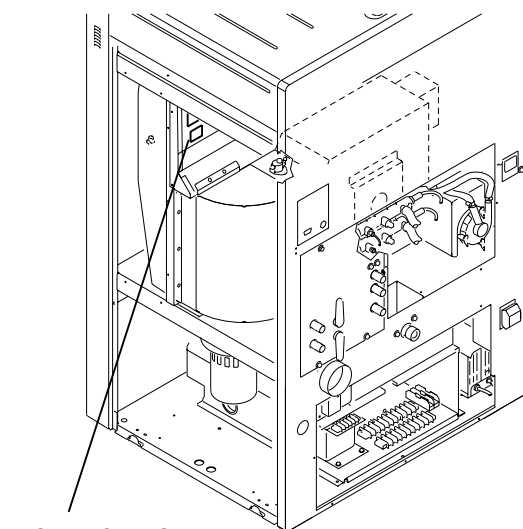
Figure 5 Applying the Super Kwik LABEL



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- [7] Apply the Super Kwik LABEL to the receive end of the PROCESSOR, below the *Kodak X-Omat 5000 RA* name plate.
- [8] Leave the new Super Kwik Operator Manual with the customer.

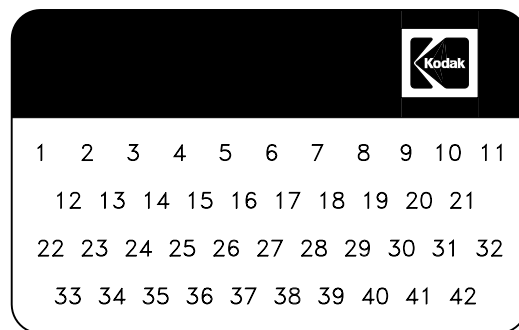
Figure 6 Circle the "4"



MODIFICATION
LABEL

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[9] Circle the "4" on the MODIFICATION LABEL on the PROCESSOR.



[10] Mix the appropriate chemicals. If using a 5000 RA Integrated Chemical Mixer, perform the Initial Setup described in the Operators Manual, Part Number 5B6729.

Note

If mixing D-3, F-3 chemistry, for use with SK/RA or K/RA cycles, the total volume of the mix is 15 litre.

Publication History

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