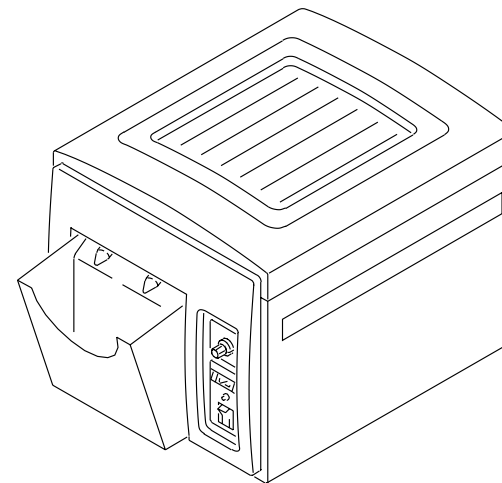




HEALTH IMAGING

**INSTALLATION INSTRUCTIONS**  
**for the**  
***Kodak X-Omat 2000* PROCESSOR**  
**Service Code: 3554**  
**and the**  
***Kodak X-Omat 2000A* PROCESSOR**  
**Service Code: 3555**



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**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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### Warning

To avoid hazardous conditions, keep floors and floor coverings around your *Kodak X-Omat* Processor and associated drains clean and dry at all times. Any accumulation of fluids from mixing tanks, drain lines, etc., should be cleaned up immediately. In the event of an accumulation of liquid due to backup, overflow, or other malfunctions of the drain associated with your *X-Omat* Processor, call a plumber or other contractor to correct any problem with the drain. Kodak accepts no responsibility or liability whatsoever for the serviceability of any drain connected to or associated with a *Kodak X-Omat* Processor. Such drains are the sole responsibility of the customer.

### Radio Interference



### Caution

This equipment generates, uses, and can radiate radio-frequency energy. If the equipment is not installed and used according to the instructions, it may cause interference to radio communications. The equipment has been tested and found to comply with the limits for a *Class A* computing device pursuant to Subpart J of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at the user's own expense will be required to take whatever measures may be required to correct the interference.

This digital apparatus does not exceed the *Class A* limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

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## Section 1: General Information

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### Electrostatic Discharge

Electrostatic discharge (ESD) is a primary source of:

- product downtime
- low productivity
- costly repairs

While one cannot feel a static charge of less than 3,500 volts, as few as 30 volts can damage or destroy essential components in electronic equipment.

#### Preventive Measures

- Always look for an ESD warning label before doing any procedure involving static-sensitive components such as CIRCUIT BOARDS. All static-sensitive components are marked with bright graphic labels which frequently include instructions. Follow all label instructions.
- Wear a GROUNDING STRAP when handling static-sensitive components. Always be sure that the CLIP remains attached to a properly grounded, unpainted, clean surface.
- Repair static-sensitive components at an ESD-protected work station or use a portable GROUNDING MAT. For help in setting up an ESD-protected work station, contact your Kodak representative.
- When moving static-sensitive components from one area to another, insert and transport the components in ESD-protective packaging.

### Special Tools

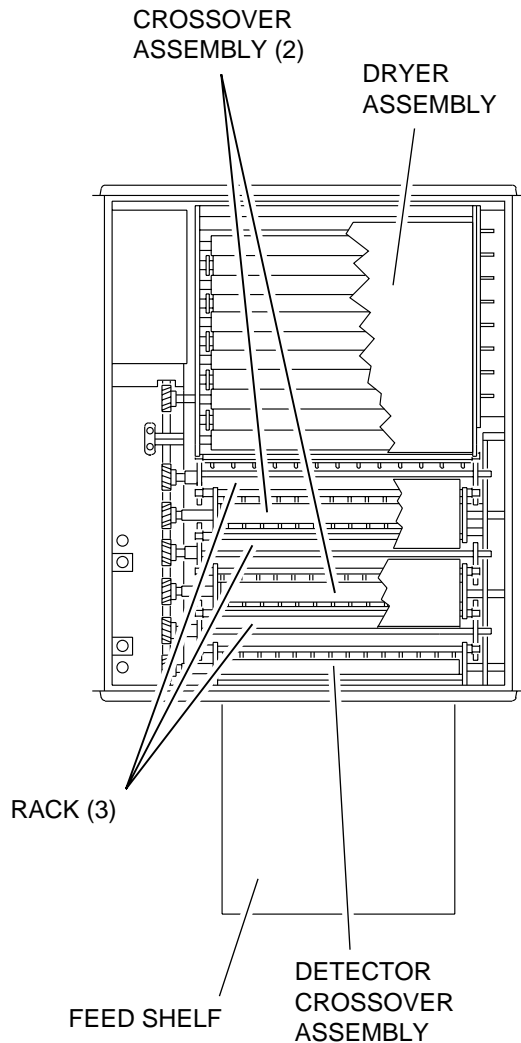
- AIR METER TL-2431
- LEVEL TL-1434

## Section 2: Unpacking the PROCESSOR

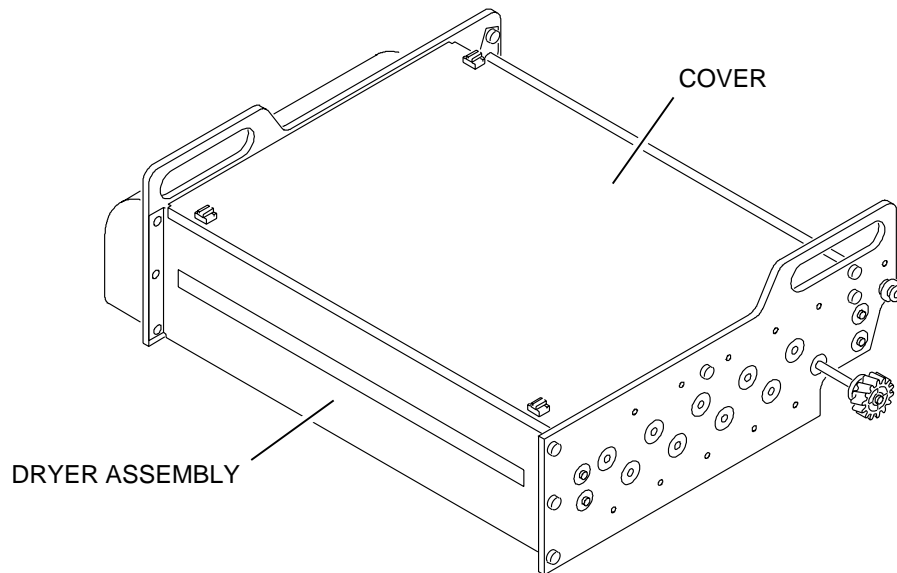
- [1] Remove the contents from the packing carton.
- [2] Use the packing list to check that all parts are included.

[3] Remove:

- TOP COVER
- 2 SIDE PANELS
- PACKING MATERIAL
- DETECTOR CROSSOVER ASSEMBLY
- 2 CROSSOVER ASSEMBLIES
- DRYER ASSEMBLY
- 3 RACKS



H172\_1001CCC  
H172\_1001CC



H172\_1011BCA  
H172\_1011BC

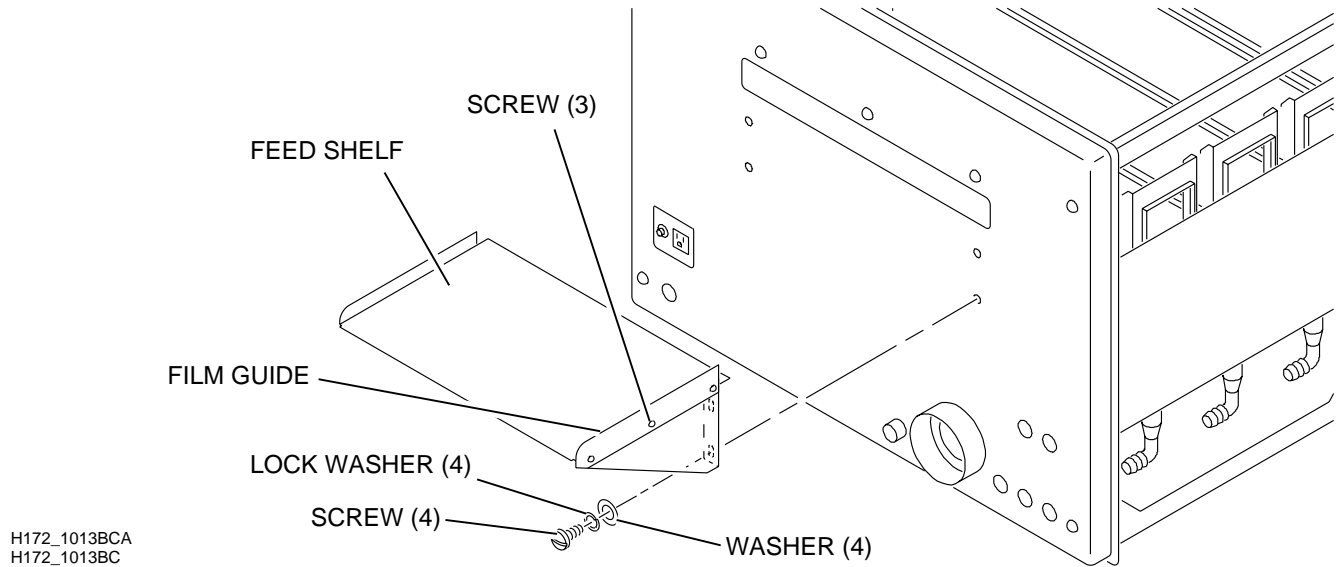
**[4]** Remove from the DRYER ASSEMBLY:

- top and bottom COVERS
- PACKING MATERIAL

**[5]** Install the top and bottom COVERS on the DRYER ASSEMBLY.

## Section 3: Assembling the PROCESSOR

### Installing the FEED SHELF, FILM GUIDE and RECEIVING BIN



#### Caution

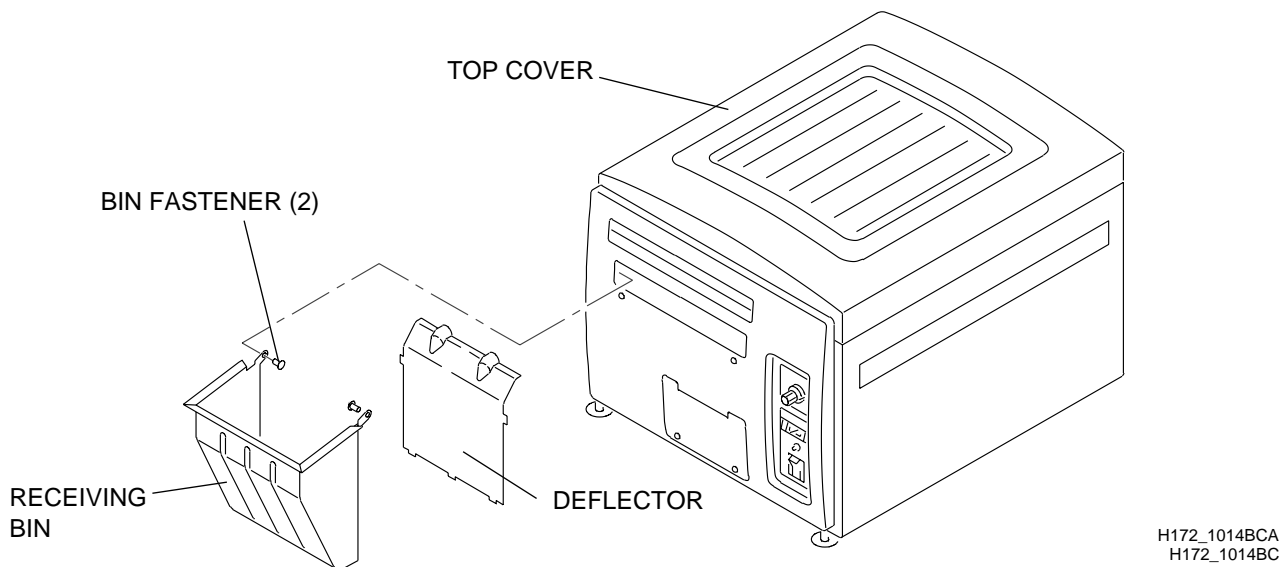
Do not overtighten the SCREWS.

#### [1] Install:

- FEED SHELF
- 4 WASHERS, No. 10
- 4 LOCK WASHERS, No. 10
- 4 SCREWS, No. 10, 32 x 1/2

#### [2] Install:

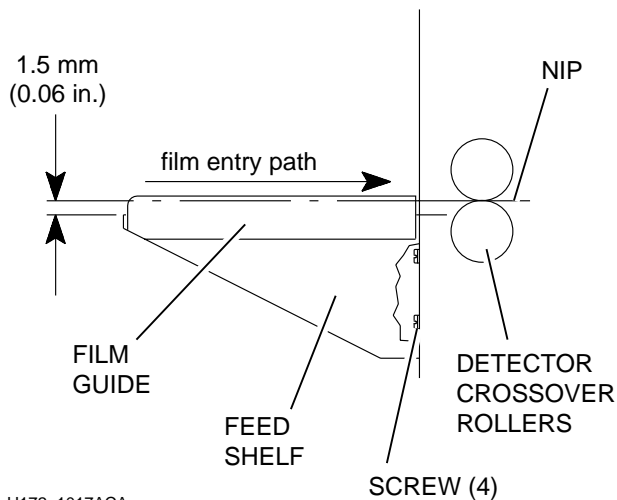
- FILM GUIDE
- 3 SCREWS, No. 8, 32 x 3/8
- 3 WASHERS, No. 8
- 3 LOCK WASHERS, NO. 10
- 3 NUTS, No. 8, 32



### [3] Install:

- DEFLECTOR in the RECEIVING BIN
- RECEIVING BIN
- 2 BIN FASTENERS

## Adjusting the FEED SHELF



H172\_1017ACA  
H172\_1017AC

[1] Loosen the 4 SCREWS.

[2] Adjust the height of the FEED SHELF to 1.5 mm ( $\frac{1}{16}$  in.) below the NIP of the DETECTOR CROSSOVER ROLLERS.

[3] Insert a 35 x 43 cm sheet of film into the NIP of the DETECTOR CROSSOVER ROLLERS.

[4] To adjust for squareness, use the film to align the FILM GUIDE with the DETECTOR CROSSOVER ROLLERS.

[5] Tighten the 4 SCREWS.

## Setting the Frequency and Cycle Type

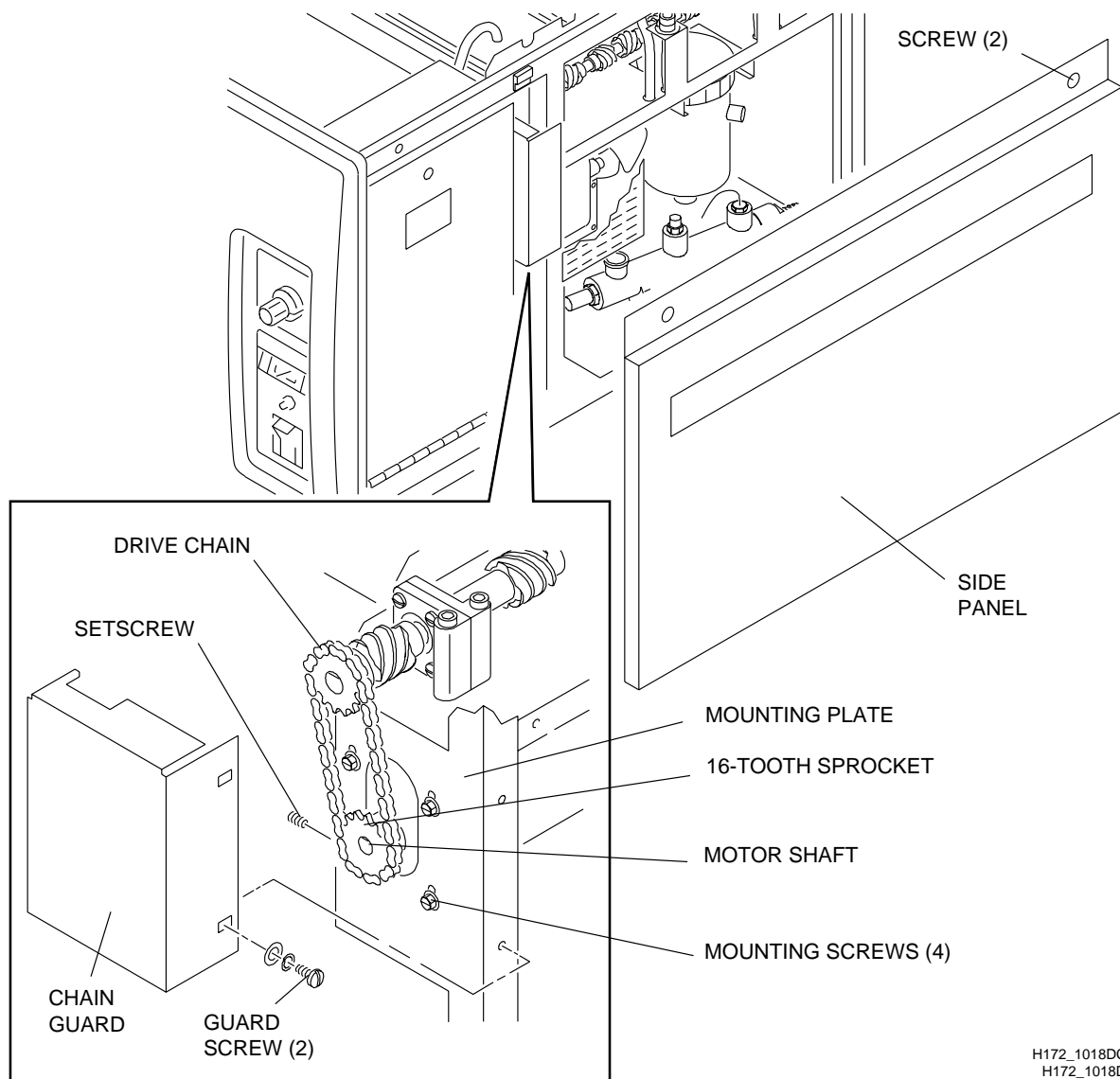
The PROCESSOR can be set to operate at different cycle speeds and frequencies:

- 60 Hz frequency, STANDARD cycle
- 50 Hz frequency, STANDARD cycle
- 60 Hz frequency, RAPID cycle
- 50 Hz frequency, RAPID cycle

The STANDARD cycle has a transport speed of 76.2 2.0 cm per minute (30 0.6 in. per minute).

The RAPID cycle has a transport speed of 101.6 1.5 cm per minute (40.1 0.8 in. per minute).





H172\_1018DCA  
H172\_1018DC

### Note

New PROCESSORS are set for 60 Hz frequency, STANDARD cycle operation.

- [1] Select the frequency and cycle type and check that the correct SPROCKET and DRIVE CHAIN are installed.

Cycle	Frequency	SPROCKET	DRIVE CHAIN
STANDARD	60 Hz	16-TOOTH	SHORT
STANDARD	50 Hz	19-TOOTH	SHORT
RAPID	60 Hz	22-TOOTH	LONG
RAPID	50 Hz	26-TOOTH	LONG

- [2] If the PROCESSOR is new, it is set for 60 Hz frequency, STANDARD cycle.  
If this is correct for the site, advance to "Placing the PROCESSOR at the Site", Page [11](#).
- [3] Loosen the 2 SCREWS and remove the DRIVE SIDE PANEL.
- [4] Remove:
- 2 GUARD SCREWS
  - CHAIN GUARD
- [5] Loosen the 4 MOUNTING SCREWS and remove the DRIVE CHAIN.
- [6] Loosen the SETSCREW and remove the 16-TOOTH SPROCKET.

## INSTALLATION INSTRUCTIONS

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- [7] Install the correct SPROCKET on the MOTOR SHAFT with the SETSCREW.
- [8] Tighten the SETSCREW.
- [9] Install the correct DRIVE CHAIN.
- [10] Check that the DRIVE CHAIN does not touch the MOUNTING PLATE.



### **Caution**

Do not overtighten the MOUNTING SCREWS.

- [11] Tighten the MOUNTING SCREWS only until the RUBBER ISOLATORS, not visible in the figure, are partially seated.
- [12] Install:
  - CHAIN GUARD and 2 GUARD SCREWS
  - SIDE PANEL and 2 SCREWS

## Section 4: Placing the PROCESSOR at the Site

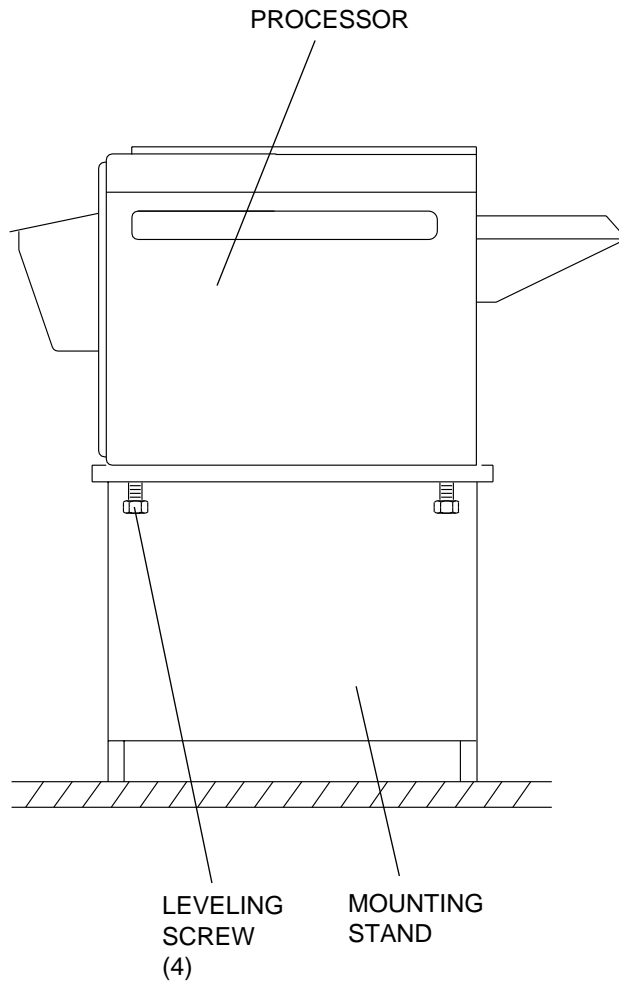
### Installing the PROCESSOR on an Optional BASE or STAND



#### Warning

The PROCESSOR weight is 90 kg (200 lb).

- [1] Remove the 4 LEVELING SCREWS from the PROCESSOR.
- [2] Install the PROCESSOR on a flat, stable surface or on a *Kodak M35/M43/2000 X-Omat* MOUNTING STAND.
- [3] Install the LEVELING SCREWS through the STAND or flat surface.

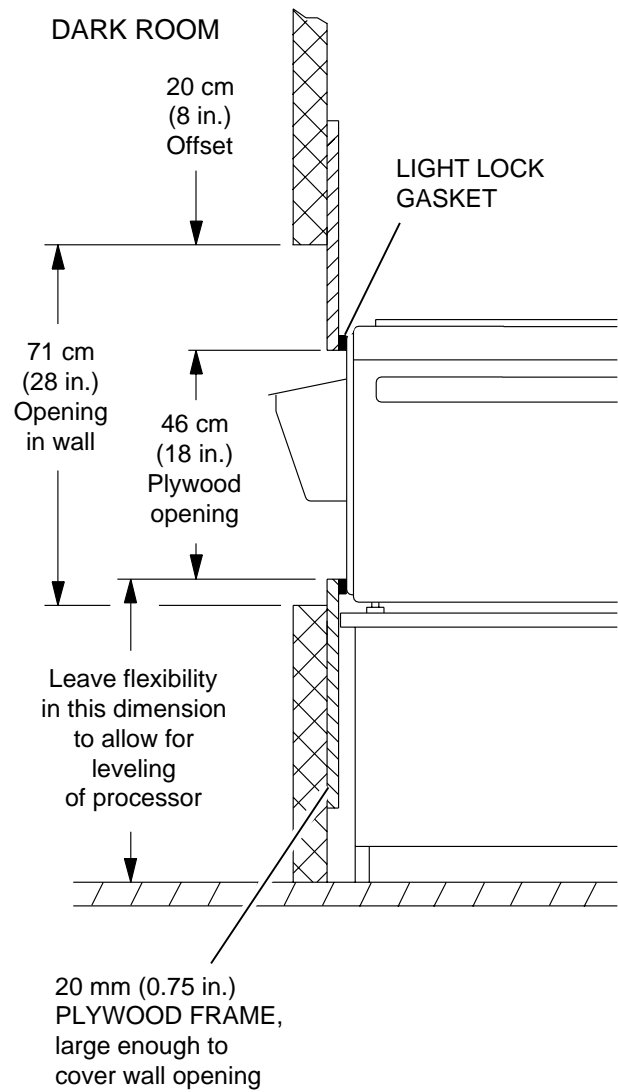


H172\_0504CCA  
H172\_0504CC

### Installing the PROCESSOR Through a Wall

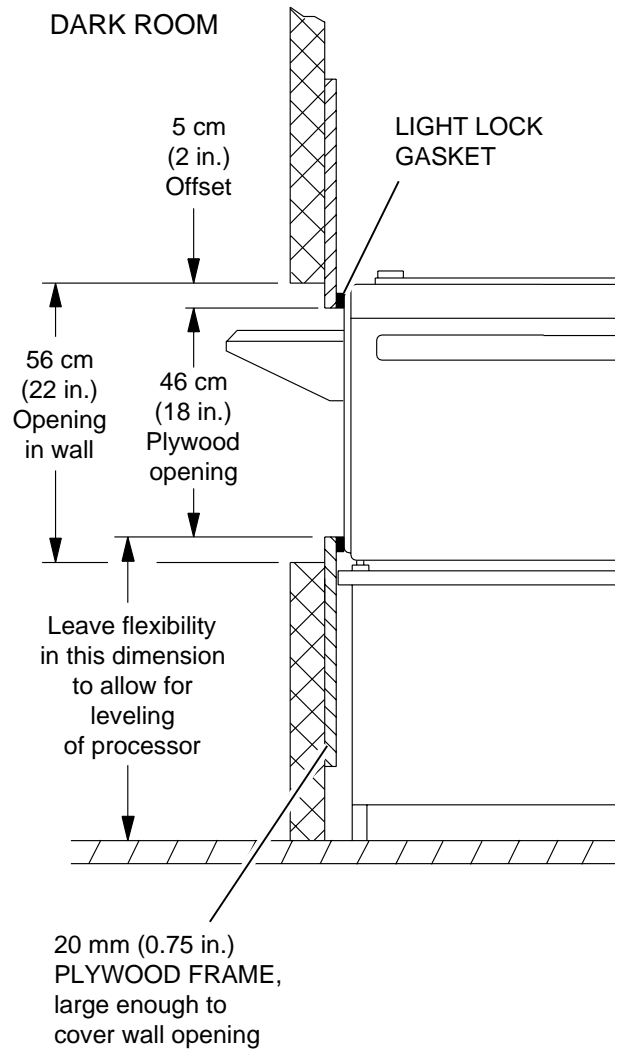
Use the correct dimensions for the installation of the PROCESSOR with the RECEIVE BIN or the FEED SHELF through the wall.

Figure 1 RECEIVE BIN Through the Wall:

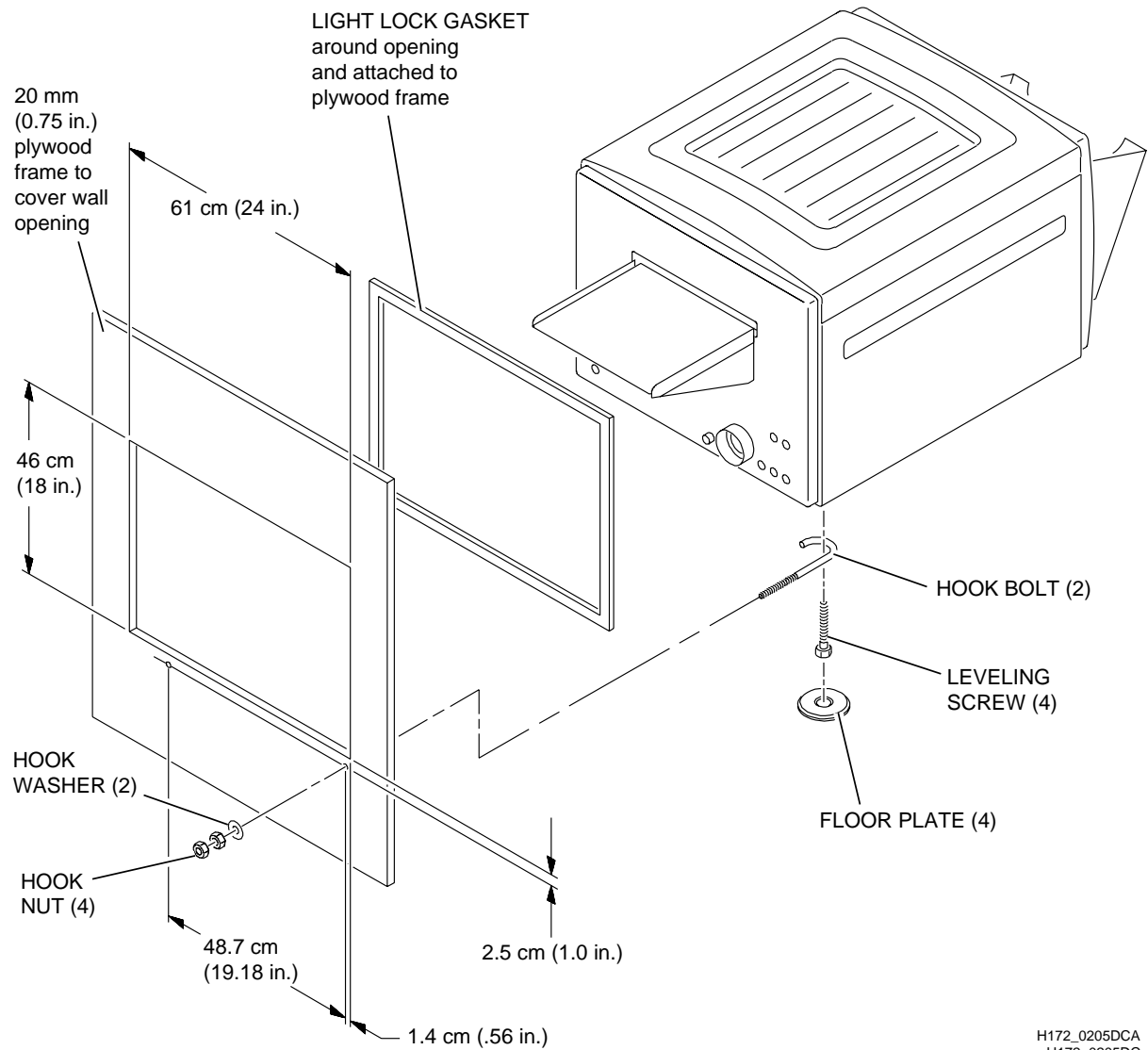


H172\_0210CCA  
H172\_0210CC

Figure 2 FEED SHELF Through the Wall:



H172\_0206CCA  
H172\_0206CC



H172\_0205DCA  
H172\_0205DC

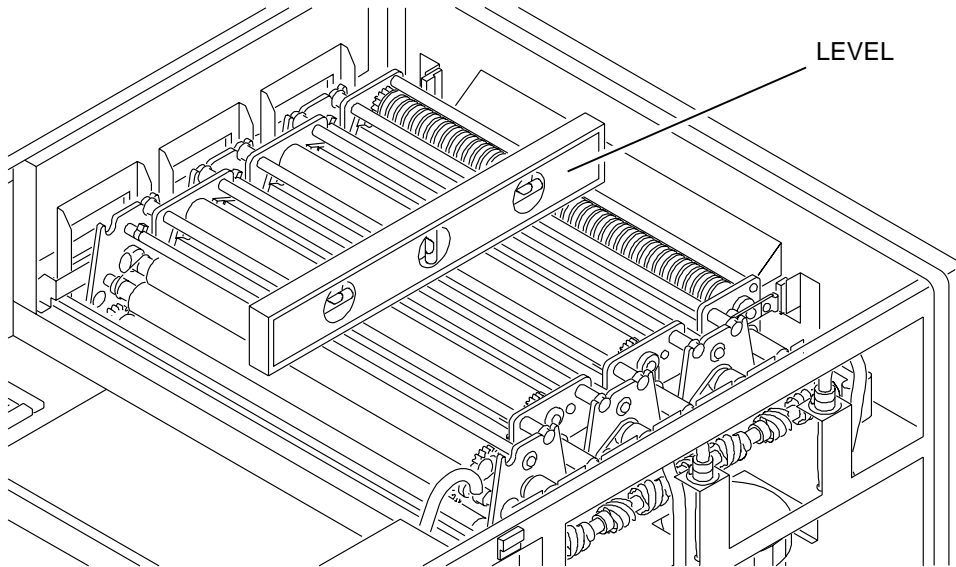


### Warning

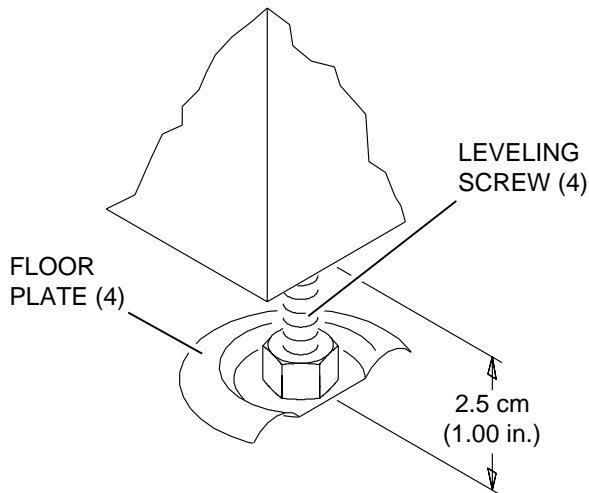
- The PROCESSOR weight is 90 kg (200 lb).
- Do not stretch the LIGHT LOCK GASKET too tight.

[1] Install the LIGHT LOCK GASKET on the PLYWOOD FRAME.

## Leveling the PROCESSOR



H172\_1019BCA  
H172\_1019BC



H172\_1020ACA  
H172\_1020AC



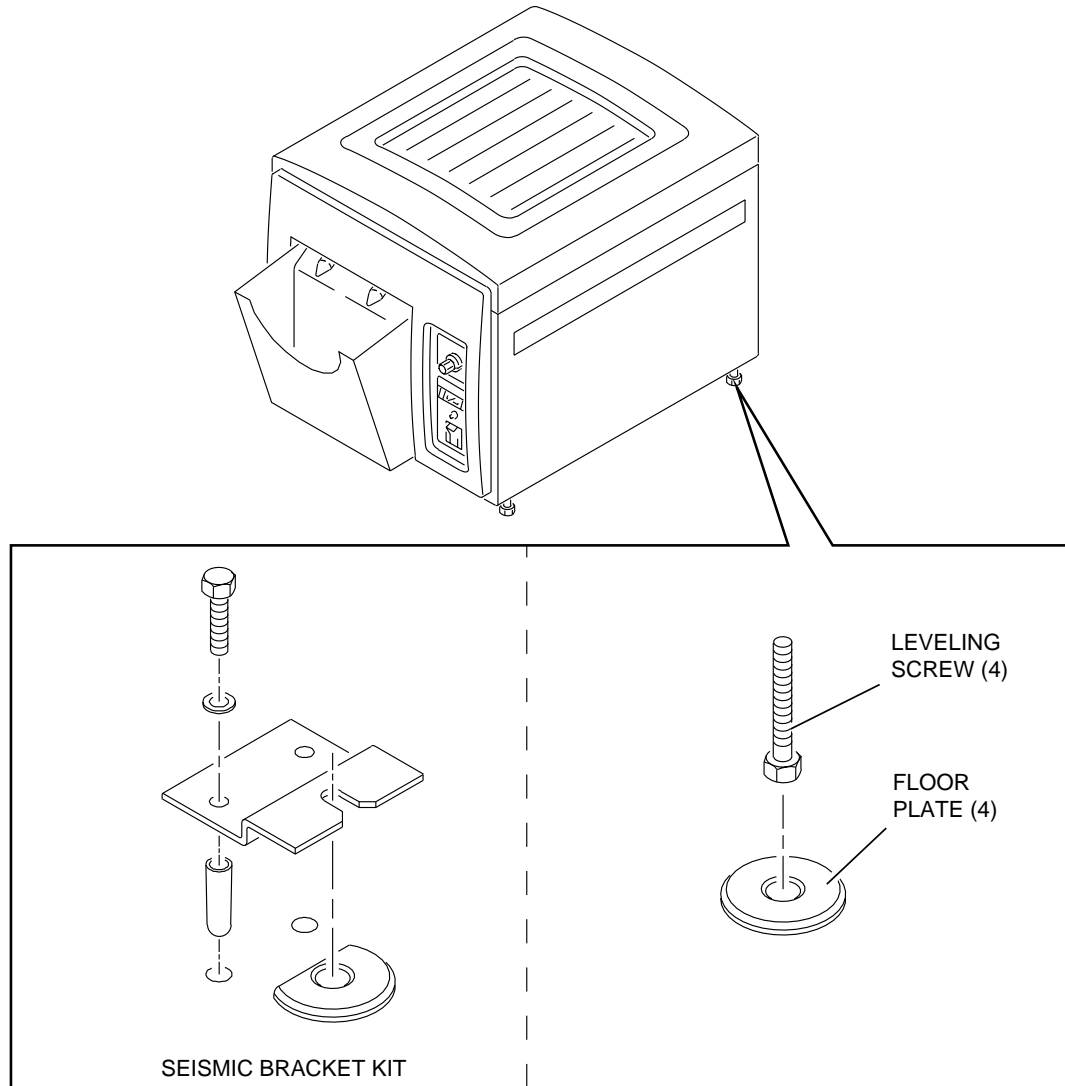
### Warning

The PROCESSOR weight is 90 kg (200 lb).

- [1] Move the PROCESSOR to position at the site.
- [2] If the PROCESSOR is installed on a BASE or MOUNTING STAND:
  - (a) Install 4 FLOOR PLATES under the BASE or STAND.
  - (b) Level the BASE or STAND.
  - (c) Advance to Step 5.
- [3] Install 4 FLOOR PLATES under the LEVELING SCREWS of the PROCESSOR.
- [4] Level the PROCESSOR using the LEVELING SCREWS.
- [5] Install the 2 HOOK BOLTS around the front LEVELING SCREWS and through the wall. See the figure on Page 13.
- [6] Install on the 2 HOOK BOLTS:
  - 2 HOOK WASHERS
  - 4 HOOK NUTS

## Installing SEISMIC BRACKETS

Optional SEISMIC BRACKETS might be necessary to comply with local codes.



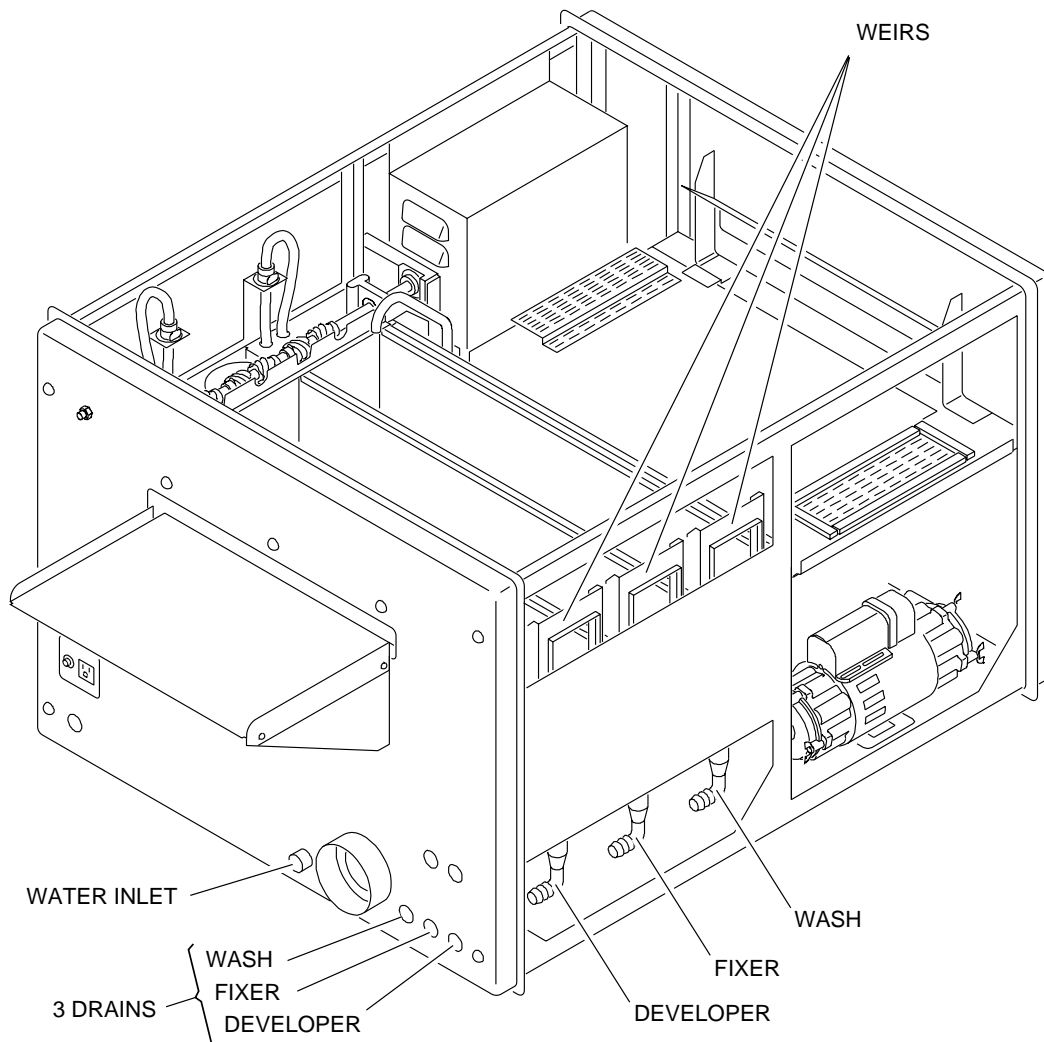
H172\_1021DCA  
H172\_1021DC

- [1]** Install the SEISMIC BRACKETS 261413 on the PROCESSOR or to the MOUNTIND STAND to comply with local codes.

## Section 5: Connecting the Plumbing to the PROCESSOR

### Warning

- DRAINS must be made of chemically resistant, non-corrosive material. Use PVC or equivalent.
- The DRAINS must have a minimum diameter of 7.6 cm (3 in.) and be free of obstruction.
- DRAINS service must comply with local codes.



H172\_0503DCA  
H172\_0503DC

- [1] Check that the WEIRS are installed correctly.
- [2] Use 1.27 cm (1/2 in.) ID TUBING 760476 to connect the 3 DRAINS to the FLOOR DRAIN.
  - DEVELOPER
  - FIXER
  - WASH
- [3] Connect the site water supply to the WATER INLET of the PROCESSOR.



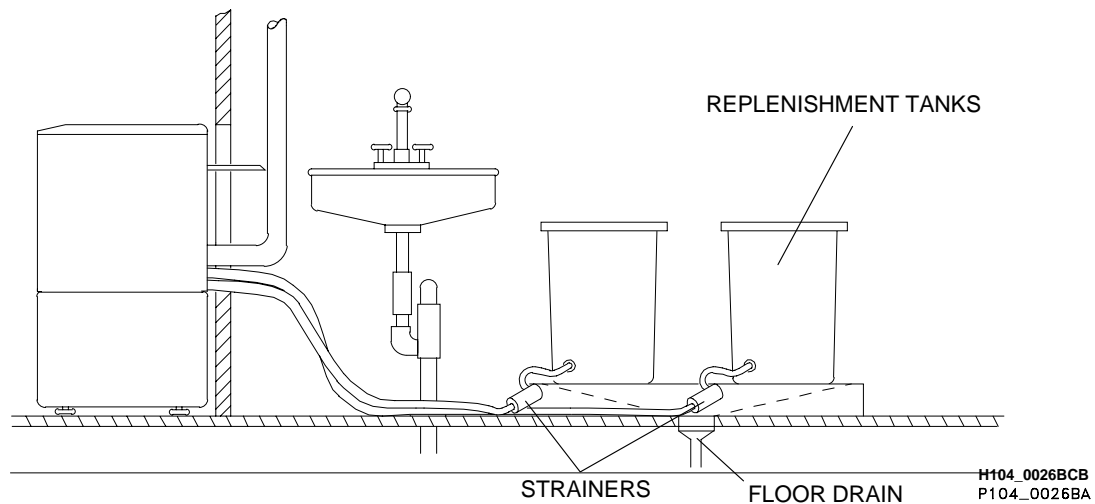
## Section 6: Connecting the REPLENISHMENT TANKS and the SILVER RECOVERY UNIT

Customers might use either REPLENISHMENT TANKS or a chemical mixing system. An example of a chemical mixing system is a *Kodak AUTOMIXER III*. To install a chemical mixing system, use the *INSTALLATION INSTRUCTIONS* for the system.



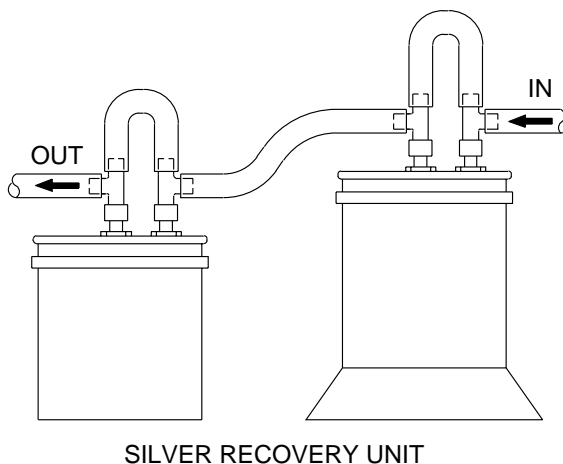
### Caution

- The maximum height of the solutions in the REPLENISHMENT TANKS must be below the solution height in the TANKS of the PROCESSOR.
- The maximum height of the solutions in the PROCESSOR is 97 cm (38 in.) when the PROCESSOR is installed on the *Kodak M35/M43/2000 X-Omat MOUNTING STAND*.



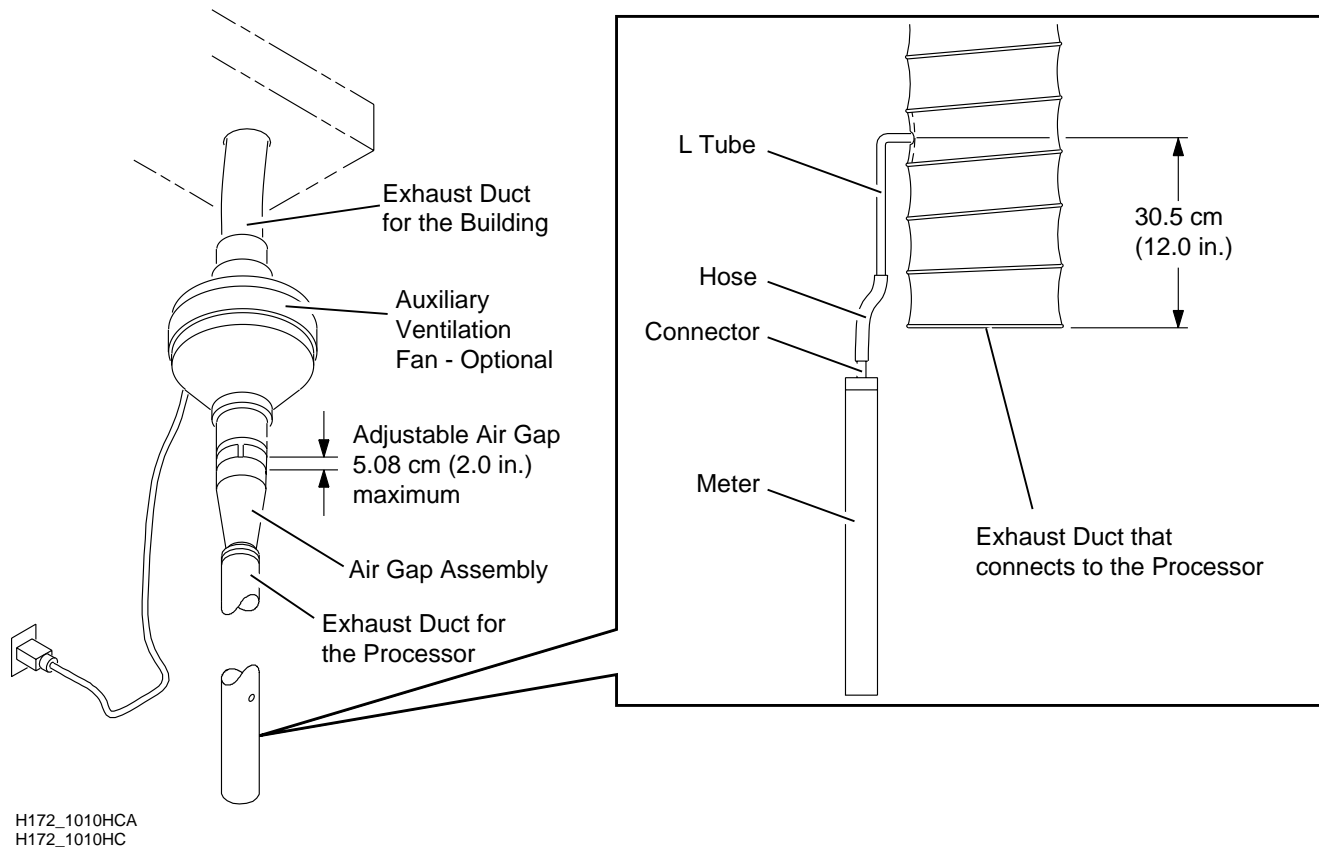
- [1] Use the 0.95 cm ( $\frac{3}{8}$  in.) TUBING to install the 2 STRAINERS between the REPLENISHMENT TANKS and the REPLENISHMENT PUMPS in the PROCESSOR.
- [2] Check that the connections in the TUBING are tight.

- [3] If the customer has a SILVER RECOVERY UNIT, install it.



H172\_0122AC

## Section 7: Checking the Negative Pressure



**[1]** Connect the rubber HOSE from the AIR METER TL-2431 to:

- L TUBE
- center CONNECTOR on the AIR METER

**[2]** Make a 6.4 mm (¼ in.) hole approximately 30.5 cm (12 in.) from the end of the EXHAUST DUCT that will be connected to the PROCESSOR.

**[3]** Insert the L TUBE into the 6.4 mm (¼ in.) hole until the end of the TUBE is flush with the inside of the EXHAUST DUCT.



### Important

- Hold the AIR METER vertically.
- Do not connect the EXHAUST DUCT to the PROCESSOR when checking the negative pressure.

**[4]** Use the AIR METER to check that the negative pressure is correct:

Diameter of the EXHAUST DUCT	Negative Pressure
7.6 cm (3.0 in.)	0.76 - 1.02 mm (0.03 - 0.04 in.) of water
10.2 cm (4.0 in.)	0.25 - 0.51 mm (0.01 - 0.02 in.) of water

**[5]** If the negative pressure is not correct, adjust the distance between the EXHAUST DUCT for the site and the EXHAUST DUCT for the PROCESSOR. If the negative pressure cannot be obtained, install an AUXILIARY VENTILATION FAN.

**[6]** Remove the L TUBE from the EXHAUST DUCT and seal the hole.

**[7]** Connect the EXHAUST DUCT to the PROCESSOR.

---

## Section 8: Electrical Setup for the 2000A PROCESSOR

---

### Setting the Power Frequency



#### **Important**

This procedure is for the *X-Omat* 2000A PROCESSOR.

- [1] If you are installing an *X-Omat* 2000 PROCESSOR, advance to Page [22](#).
- [2] Check the frequency of the main power at the site.



#### **Warning**

Dangerous Voltage

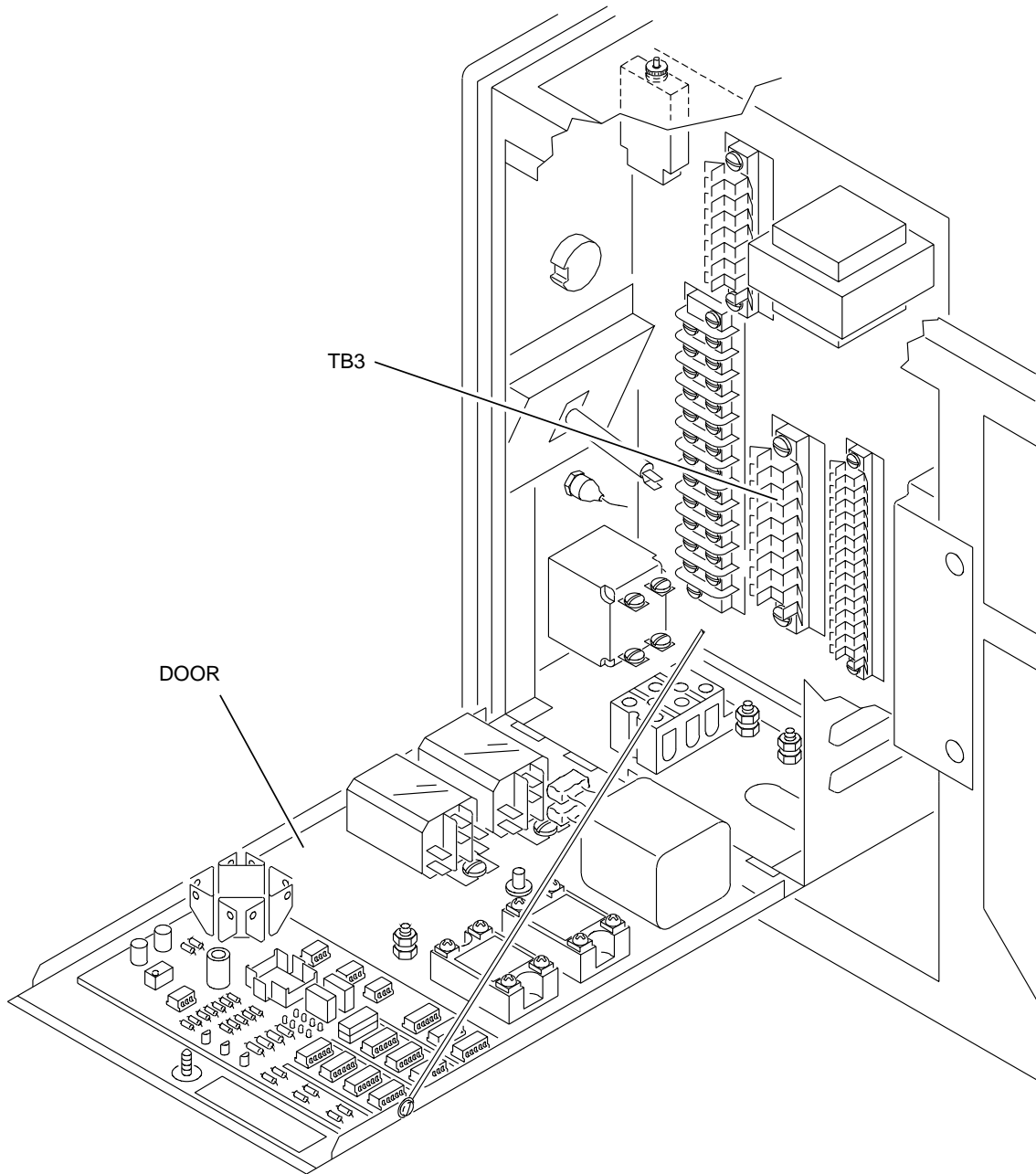
- [3] Move the MAIN POWER SWITCH on the PROCESSOR to the "OFF" position.
- [4] Disconnect the main power.



#### **ESD**

Possible damage from electrostatic discharge.

[5] Remove the TOP COVER and SIDE PANEL for access to the ELECTRICAL BOX.



H172\_1023ECA  
H172\_1023EC

[6] Open the DOOR on the ELECTRICAL BOX.



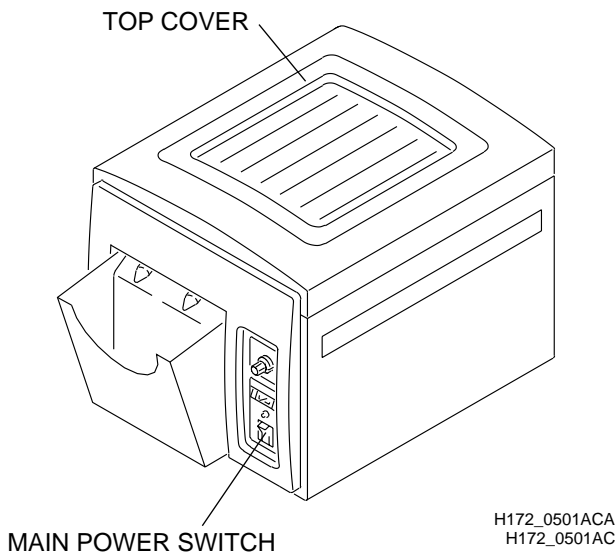
### Important

Set the PROCESSOR for the correct frequency.

[7] Move the JUMPER to the correct location on TB3:

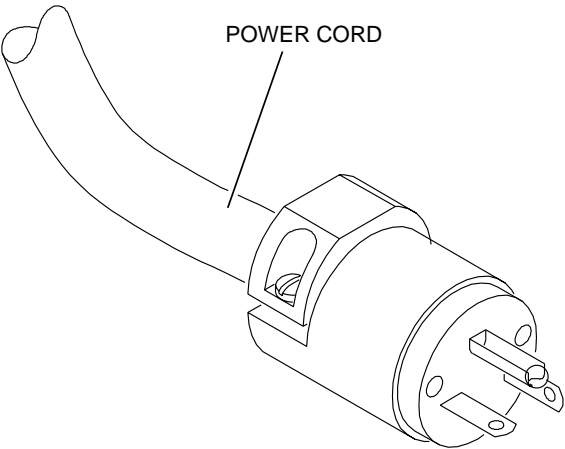
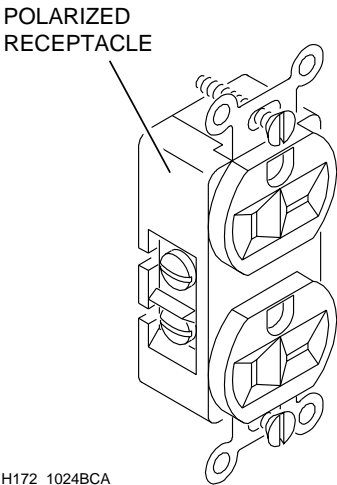
Frequency	JUMPER Location
50 Hz	TB3-7 to TB3-8
60 Hz	TB3-7 to TB3-9

Connecting the 2000A PROCESSOR to the Main Power



- Dangerous Voltage
- Possible damage from electrostatic discharge.
- The site electrical power must have a POLARIZED RECEPTACLE.

- [1] Move the MAIN POWER SWITCH on the PROCESSOR to the “OFF” position.
- [2] Connect the POWER CORD on the PROCESSOR to the POLARIZED RECEPTACLE.
- [3] Advance to “Setup and Checkout of the PROCESSOR” on Page [27](#).



## Section 9: Electrical Setup for the 2000 PROCESSOR

---

### Setting the Power Frequency and Voltage

- [1] Check the frequency and voltage of the main power at the site.



#### **Warning**

Dangerous Voltage

- [2] Move the MAIN POWER SWITCH on the PROCESSOR to the “OFF” position.

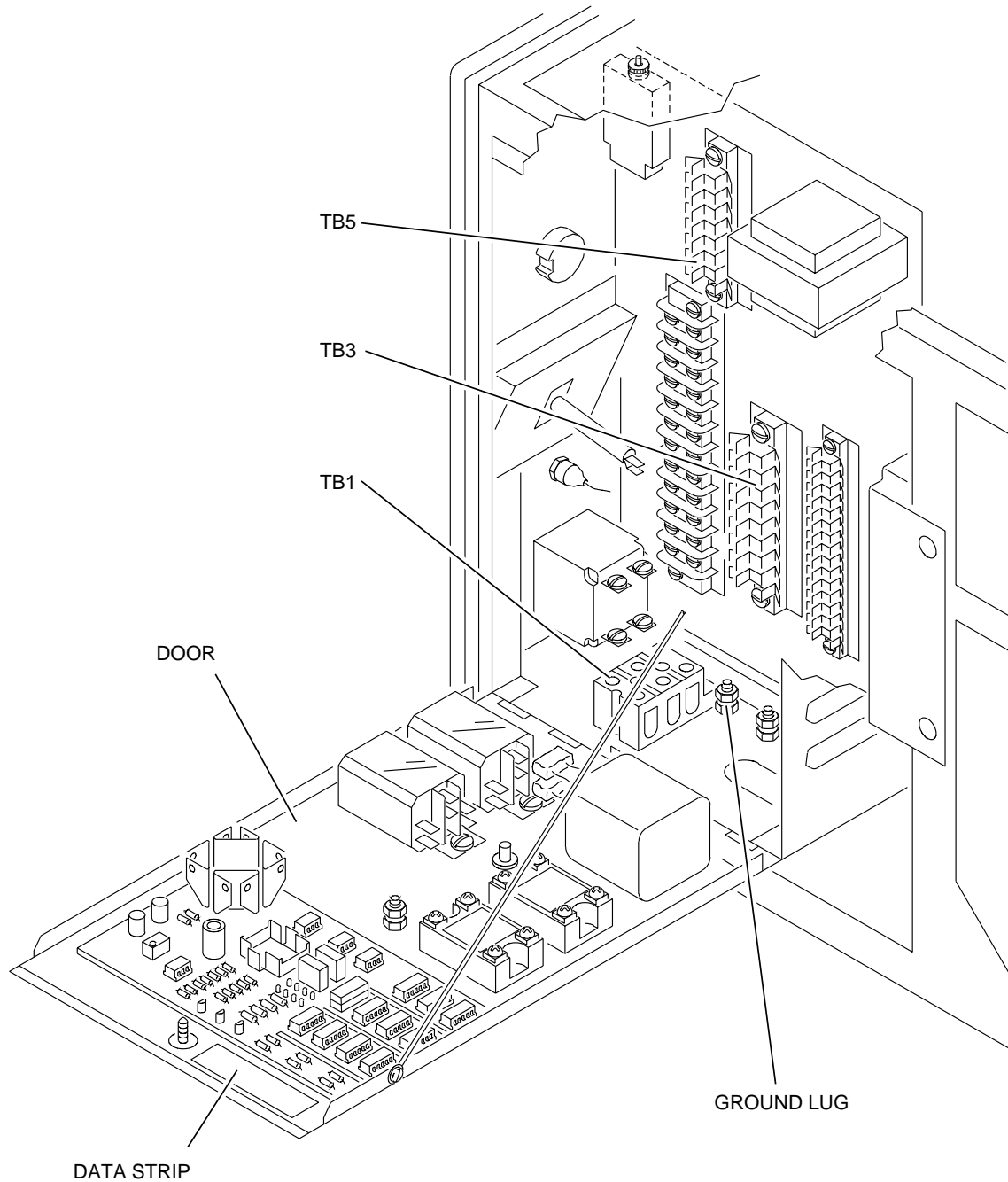
- [3] Disconnect the main power.



#### **ESD**

Possible damage from electrostatic discharge.

[4] Remove the TOP COVER and SIDE PANEL for access to the ELECTRICAL BOX.



H172\_1023ECB  
H172\_1023EC

[5] Open the DOOR on the ELECTRICAL BOX.



### Important

Set the PROCESSOR for the correct frequency.

[6] Move the JUMPER to the correct location on TB3:

Frequency	JUMPER Location
50 Hz	TB3-7 to TB3-8
60 Hz	TB3-7 to TB3-9



## Important

Set the PROCESSOR for the same voltage as the power at the site.

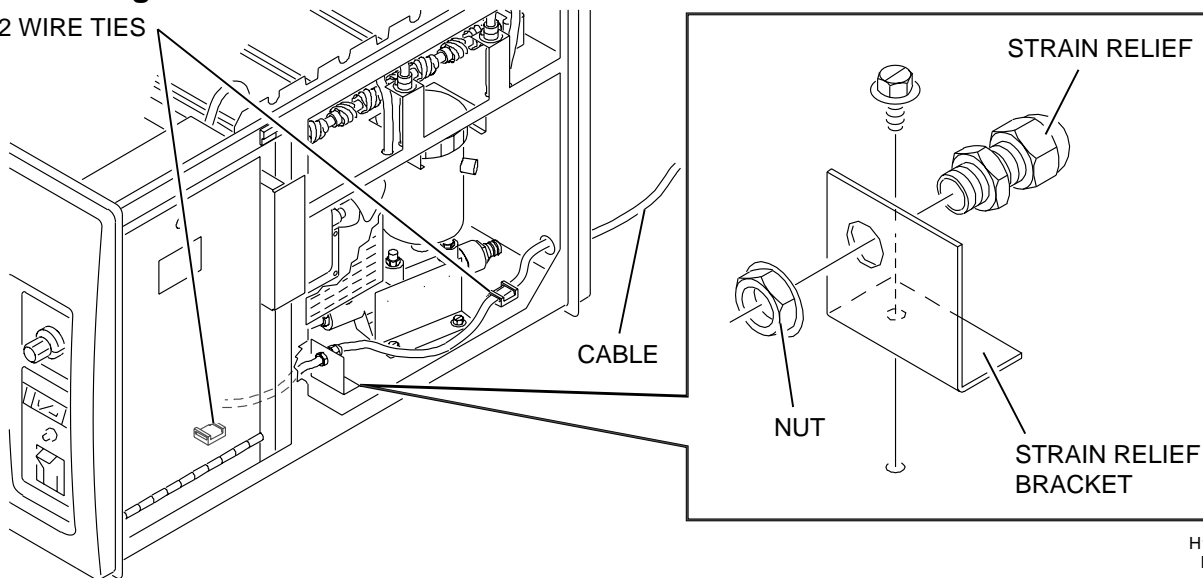
[7] Move WIRE 8A to the correct location on TB5:

Site Voltage	Location of WIRE 8A
200 or 208 V AC	TB5-2
220 or 230 V AC	TB5-3
240 V AC	TB5-4

[8] Apply the correct DATA STRIP inside the DOOR for the ELECTRICAL BOX to indicate the frequency and voltage.

## Connecting the POWER CABLE to the 2000 PROCESSOR

2 WIRE TIES



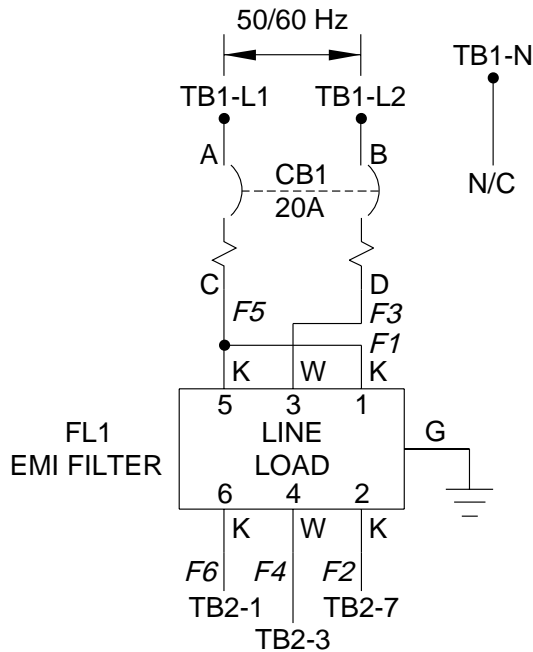
H172\_1025BCA  
H172\_1025BC

- [1] Install the STRAIN RELIEF BRACKET.
- [2] Insert the POWER CABLE through the FRONT PANEL.
- [3] Install the CABLE in the STRAIN RELIEF.
- [4] Assemble the STRAIN RELIEF to the BRACKET with the NUT.
- [5] Extend the CABLE to the ELECTRICAL BOX.
- [6] Connect the POWER CABLE to the PROCESSOR:

Voltage at the Site:	Advance to:
100/200 VAC, 120/208 VAC, 127/200 V or 120/240 VAC	Step <a href="#">7</a>
220/380 VAC, 230/400 VAC, or 240/415 VAC	Step <a href="#">9</a>

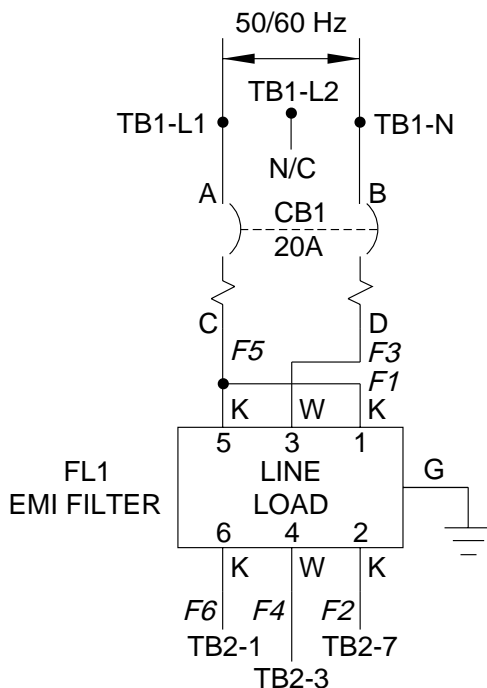


Figure 3 Configuration of TB1 for 100/200 VAC, 120/208 VAC, 127/200 VAC or 120/240 VAC



H172\_0001GC\_

Figure 4 Configuration of TB1 for 220/380 VAC, 230/400 VAC or 240/415 VAC.



H172\_0002GC\_

[7] Connect:

- L1 of the POWER CABLE to TB1-L1 of the PROCESSOR
- L2 of the POWER CABLE to TB1-L2 of the PROCESSOR

#### Note

- If there is a NEUTRAL WIRE in the CABLE, connect it to TB1-N. Neutral is not used by the PROCESSOR in this configuration.
- Figure 3 shows the configuration of TB1 for new PROCESSORS from the OEM.

[8] Advance to Step 12.

[9] Move the wire in the PROCESSOR from TB1-L1 to TB1-N.

[10] Connect:

- L1 of the POWER CABLE to TB1-L1 of the PROCESSOR
- NEUTRAL WIRE of the POWER CABLE to TB1-N of the PROCESSOR

#### Note

If there is an L2 wire in the CABLE, connect it to TB1-L2 in the PROCESSOR. L2 is not used by the PROCESSOR in this configuration.

[11] Advance to Step 12.

## INSTALLATION INSTRUCTIONS

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**[12]** Connect the GROUND WIRE to the GROUND LUG.

**[13]** Install 2 WIRE TIES to the CABLE and STRAIN RELIEF.

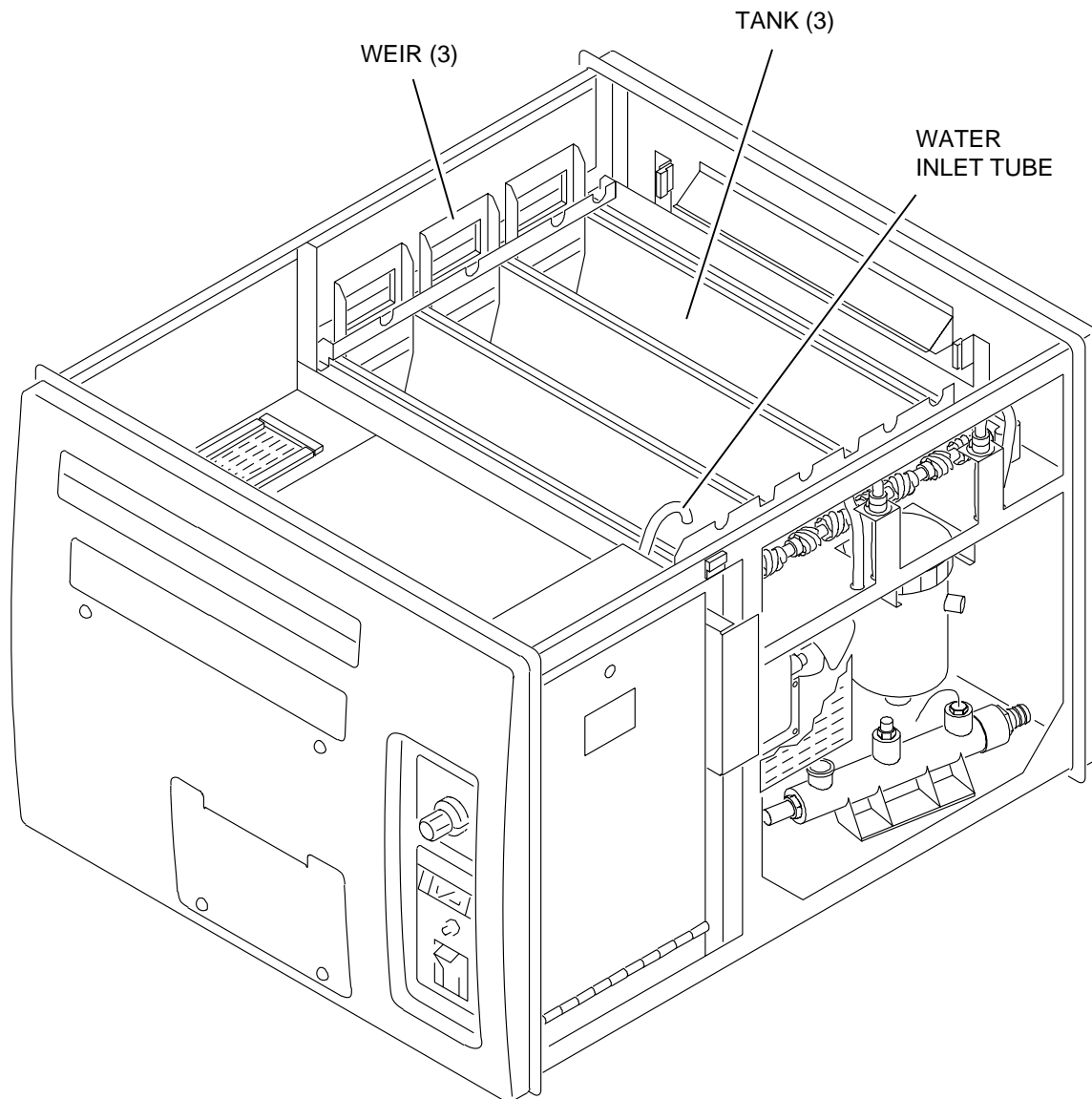
**[14]** Close the DOOR on the ELECTRICAL BOX.

**[15]** Install:

- SIDE PANEL
- TOP COVER

## Section 10: Setup and Checkout of the PROCESSOR

### Checking the CLAMPS and TANKS



H172\_0505DCA  
H172\_0505DC

- [1] Tighten all CLAMPS.
- [2] Check that all WEIRS are correctly installed and seated.

#### **Note**

The WEIRS are identified with colors:

- red for the developer
- blue for the fixer
- beige for the wash

- [3] Fill the TANKS with water.



### Warning

Dangerous Voltage

- [4] Connect the PROCESSOR to the main power.
- [5] Energize the PROCESSOR.
- [6] Allow the PROCESSOR to operate for 5 minutes.

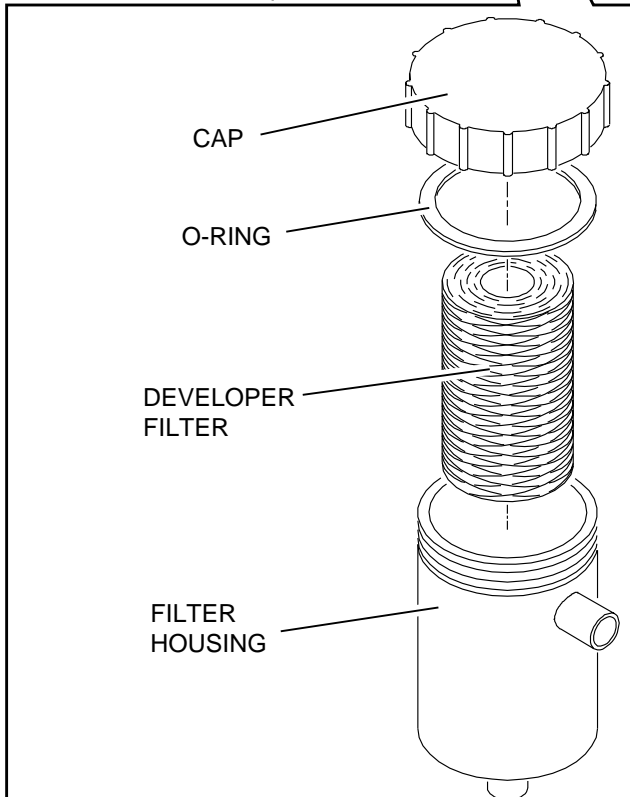
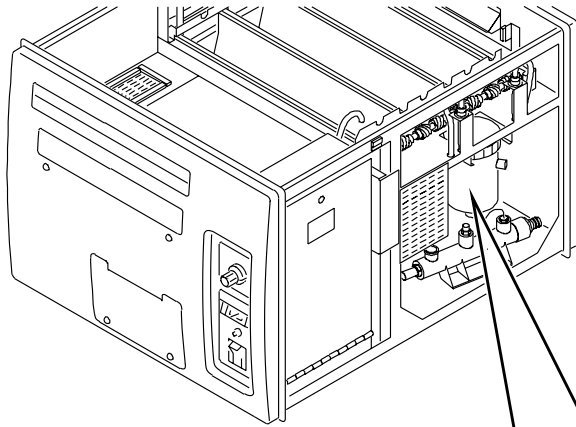


### Warning

Dangerous Voltage

- [7] De-energize the PROCESSOR.
- [8] Check for leakage.
- [9] Drain the TANKS.

## Filling the TANKS



- [1] Soak the DEVELOPER FILTER in warm water for 30 seconds.



### Important

Make sure the O-RING is seated correctly.

- [2] Assemble:

- FILTER HOUSING
- DEVELOPER FILTER
- O-RING
- CAP

- [3] Install the FILTER HOUSING in the PROCESSOR.

- [4] Check that the TUBING connected to the FILTER HOUSING is not bent.

- [5] Install the SPLASH GUARD between the DEVELOPER TANK and the FIXER TANK.



### Caution

- Mix the developer solution first, then the fixer.
- Wash the mixing equipment thoroughly between solutions to prevent contamination of the solutions.
- Rinse the mixing and filling equipment before each use.
- Fill the FIXER TANK first.

- [6] Mix the chemicals using the instructions included in the packages:

- *Kodak RP X-Omat DEVELOPER AND REPLENISHER*
- *Kodak RP X-Omat FIXER AND REPLENISHER*

- [7] Add fixer replenisher solution to the FIXER TANK until the solution is at the higher FILL LINE on the blue WEIR.

- [8] Remove the SPLASH GUARD and rinse with water.

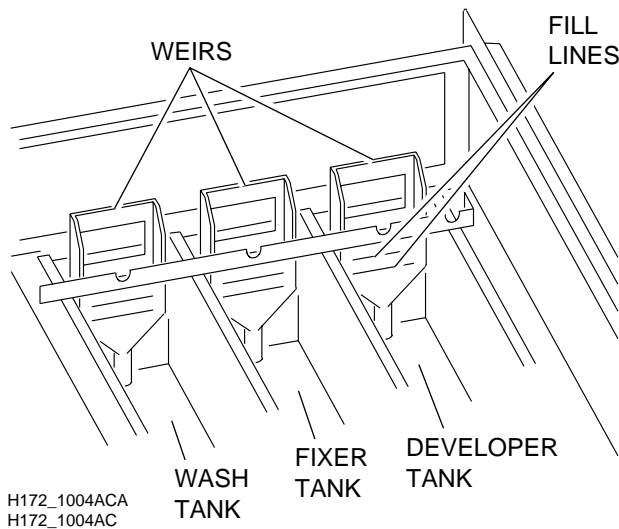
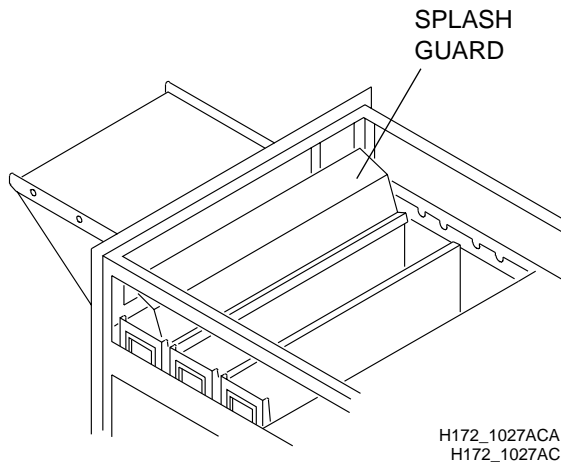
- [9] Install the SPLASH GUARD over the FIXER TANK.

- [10] Fill the DEVELOPER TANK half full of developer replenisher solution from the REPLENISHER TANK.

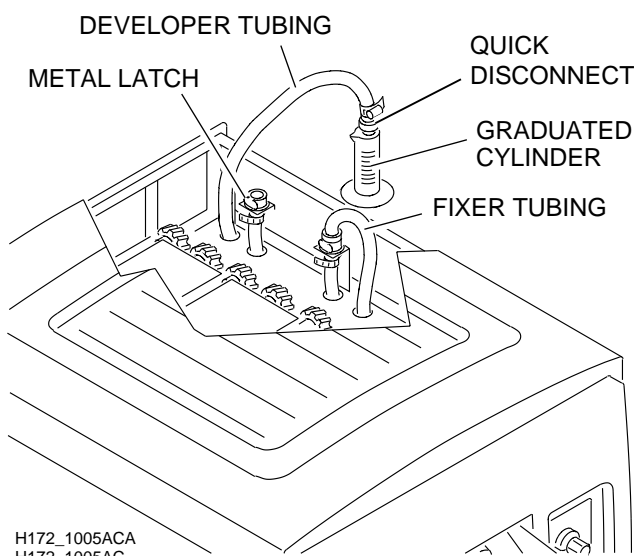
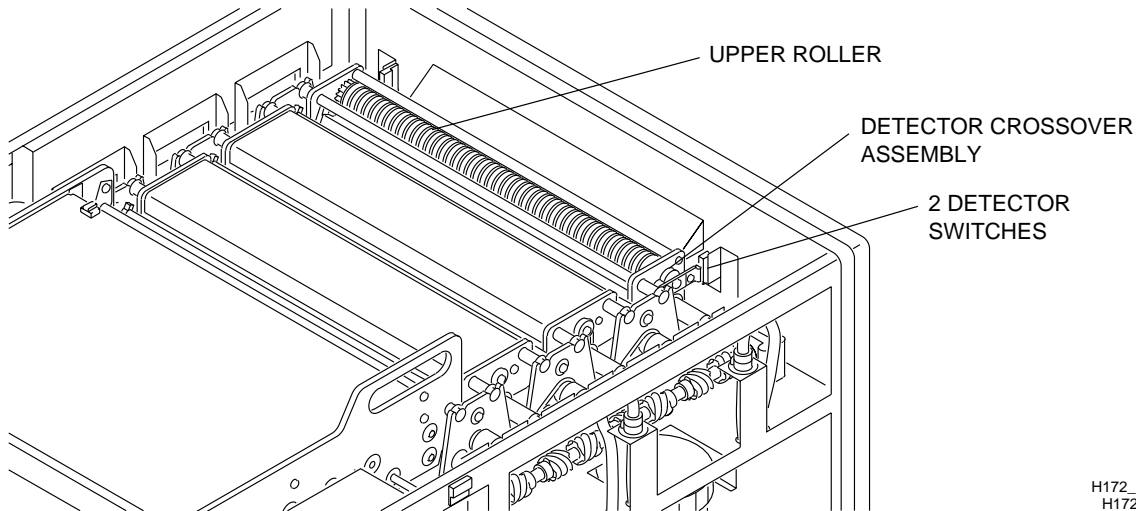
- [11] Add 190 mL (6.5 fl oz) of *Kodak RP X-Omat DEVELOPER STARTER*.

- [12] Fill the DEVELOPER TANK to the higher FILL LINE on the red WEIR with developer replenisher solution.

- [13] Remove the SPLASH GUARD and rinse with water.



## Checking the Replenishment Rates



### Warning

Wear protective eyewear. The replenishment solutions are pumped quickly and might splash.

- [1] Remove the TOP COVER.
- [2] Lift the UPPER ROLLER of the DETECTOR CROSSOVER AY.
- [3] Check that the replenishment solutions flow freely through the TUBING located along the DRIVE SIDE RACKS.
- [4] Disconnect the DEVELOPER TUBING by pressing the METAL LATCH.



### Note

The DEVELOPER TUBING might be identified with a red WIRE TIE.

- [5] Pull the DEVELOPER TUBING slightly and rotate it over the edge of the FRAME and into a GRADUATED CYLINDER.
- [6] Lift the UPPER ROLLER of the DETECTOR CROSSOVER AY for the correct time:

Cycle	Time*
STANDARD	34 seconds
RAPID	25 seconds
* For 35 x 43 cm (14 x 17 in.) film	

- [7] When the REPLENISHMENT PUMP stops, check that the amount of solution in the GRADUATED CYLINDER is correct for the film size and use condition. See the table on Page [31](#).
- [8] If the replenishment rate is not correct, do the procedure "Adjusting the REPLENISHMENT PUMP" on Page [31](#).
- [9] Connect the DEVELOPER TUBING by pushing it into the METAL LATCH until the DEVELOPER TUBING snaps in place.
- [10] Check the replenishment flow rate of the fixer solution by doing Steps [4](#) - [9](#) with the FIXER TUBING.
- [11] Install the TOP COVER.

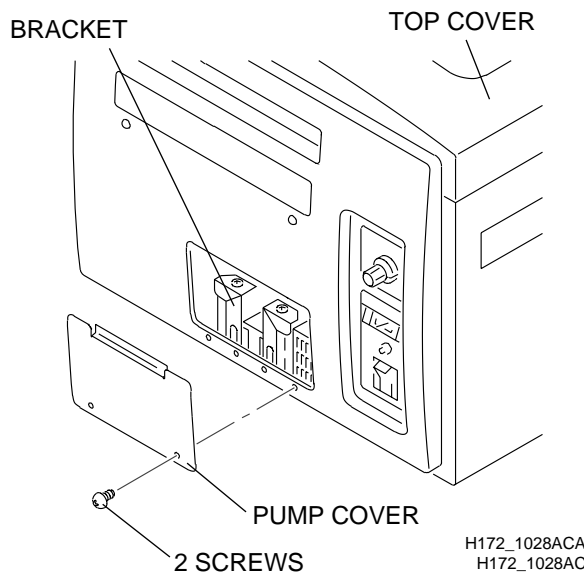
Film Size Processed	Use Condition	Average Amount of Film per 8 Hours of PROCESSOR Operation	Replenishment Flow Rate, mL per 35 x 43 cm 34 seconds for Standard Cycle 25 seconds for Rapid Cycle	
			Developer	Fixer
Only roll films 35 cm wide	High	105 Linear feet or more	50	70
	Medium	35 - 105 linear feet	65	85
	Low	35 linear feet or less*	80	100
Only 35 x 35 cm film	High	90 sheets or more	50	70
	Medium	30 - 90 sheets	65	85
	Low	30 sheets or less*	80	100
Average size intermix film	High	115 sheets or more	50	70
	Medium	40 - 115 sheets	65	85
	Low	40 sheets or less*	80	100
Only 35 x 43 cm film	High	75 sheets or more	60	85
	Medium	25 - 75 sheets	80	100
	Low	25 sheets or less*	100	120

\* If sensitometry does not stay within control limits, flooded replenishment may be needed. Order and install FLOODED REPLENISHMENT KIT 419779.

### Note

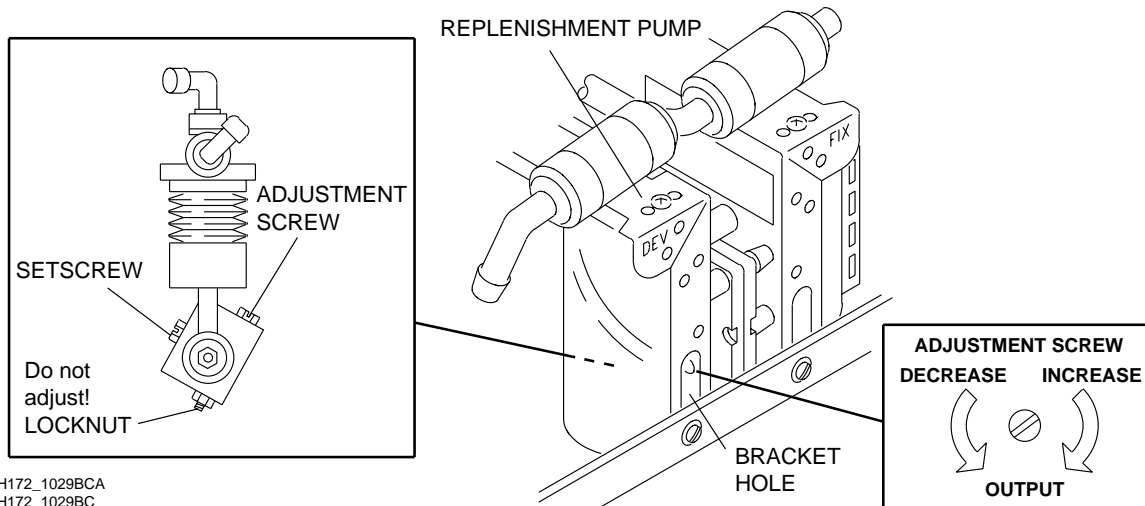
For more information and for new recommended processing instructions, see SERVICE BULLETIN 30, Pub. No. 632661.

## Adjusting the REPLENISHMENT PUMP



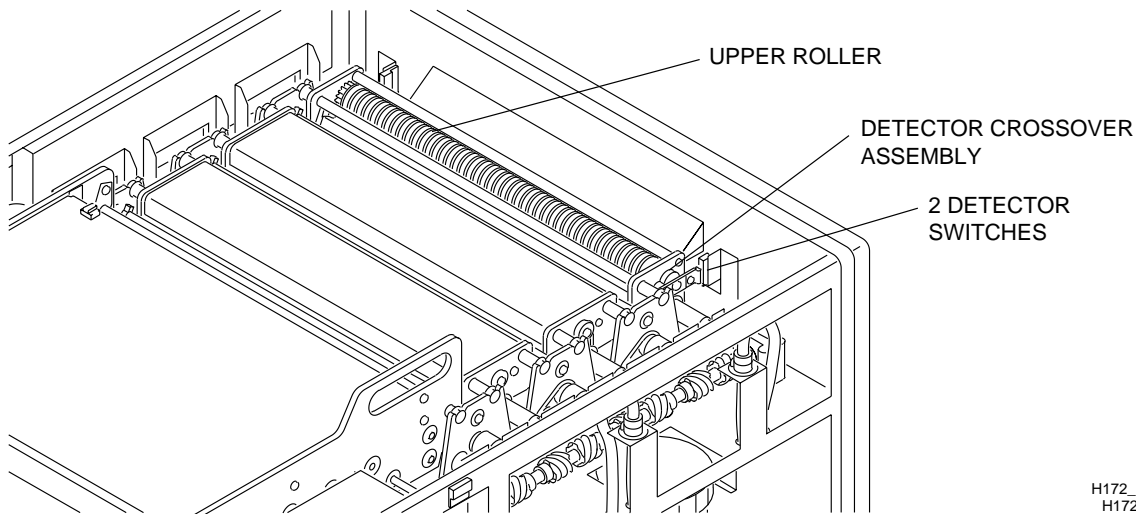
### [1] Remove:

- TOP COVER
- RECEIVING BIN
- 2 SCREWS
- PUMP COVER



[2] Check to see if the ADJUSTMENT SCREW is visible through the BRACKET HOLE.

[3] If the ADJUSTMENT SCREW is visible, advance to Step [5](#).



[4] If the ADJUSTMENT SCREW is not visible, operate the REPLENISHMENT PUMP until the ADJUSTMENT SCREW is visible by lifting the UPPER ROLLER of the DETECTOR CROSSOVER AY.



## Caution

Do not adjust the LOCKNUT.

[5] Loosen the SETSCREW.

[6] Rotate the ADJUSTMENT SCREW to change the flow rate:

- clockwise to increase the flow rate
- counterclockwise to decrease the flow rate

[7] Tighten the SETSCREW.

[8] Check the Replenishment Rates. See Page [30](#).

[9] If the flow rate is not correct, do Steps [3](#) - [8](#) again.

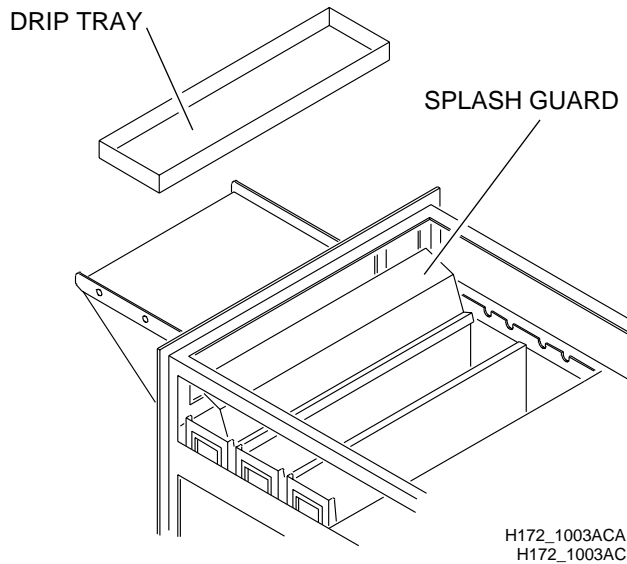
[10] Install:

- PUMP COVER
- 2 SCREWS
- TOP COVER



- RECEIVING BIN

## Installing the RACKS



[1] Wash with warm water:

- DEVELOPER RACK
- FIXER RACK
- WASH RACK
- CROSSOVER ASSEMBLIES

[2] Manually rotate the ROLLERS on all RACKS to check that the ROLLERS rotate freely.



### Caution

- Use the DRIP TRAY and SPLASH GUARD when installing or removing RACKS.
- Install the RACKS slowly and carefully.

[3] Install the RACKS in the correct TANKS.



### Note

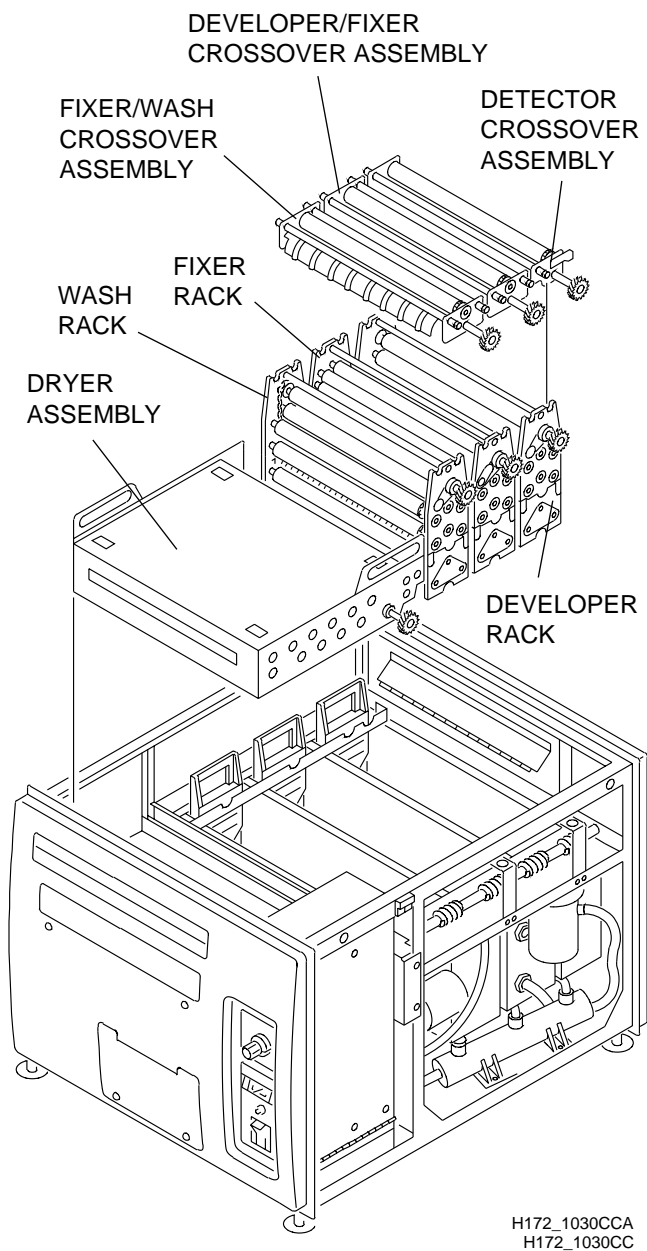
The RACKS are identified with letters:

- "D" on the DEVELOPER RACK
- "F" on the FIXER RACK
- "W" on the WASH RACK

The RACKS might also be identified with colors:

- red for the DEVELOPER RACK
- blue for the FIXER RACK
- white for the WASH RACK

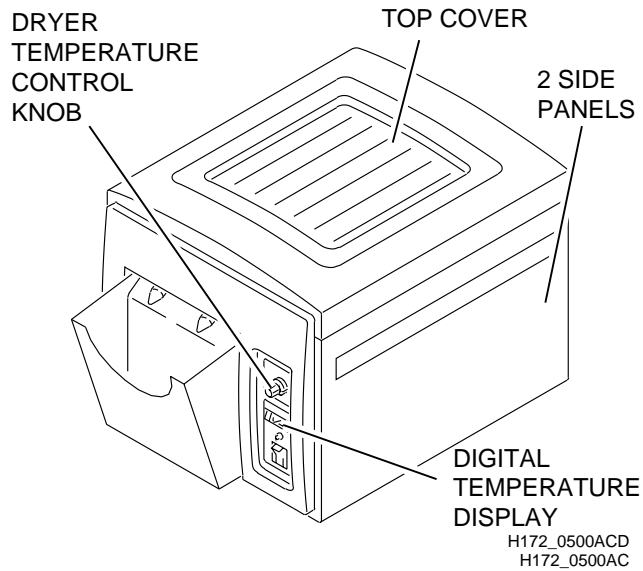
[4] Make sure the RACKS are seated correctly.



**[5]** Install:

- DEVELOPER/FIXER CROSSOVER ASSEMBLY
- FIXER/WASH CROSSOVER ASSEMBLY
- DETECTOR CROSSOVER ASSEMBLY
- DRYER ASSEMBLY
- EVAPORATION COVERS, not shown

## Checkout of the PROCESSOR



[1] Start the wash water supply.



### Warning

Dangerous Voltage

[2] Energize the PROCESSOR.

[3] Check:

- DEVELOPER and FIXER TANKS are agitating correctly
- water is flowing into the PROCESSOR
- water or solutions are not leaking
- solution is flowing into the WEIRS

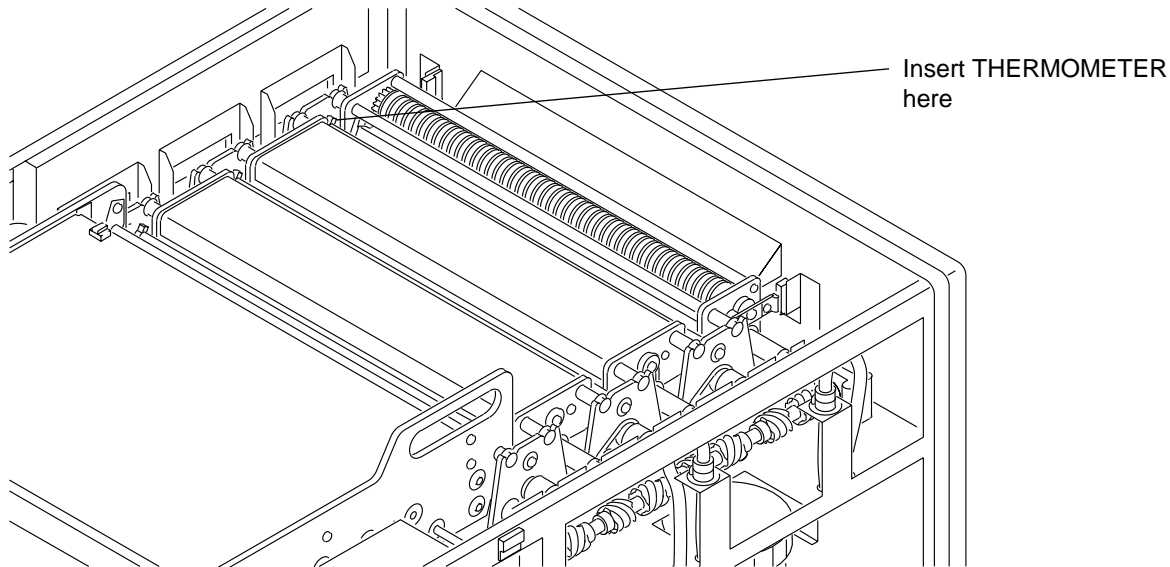
[4] Install:

- 2 SIDE PANELS
- TOP COVER

[5] Check that the RUN/STANDBY SWITCH operates correctly.

[6] Set the DRYER TEMPERATURE CONTROL KNOB to the minimum temperature necessary to provide dry film.

[7] Check for warm air at the EXHAUST.



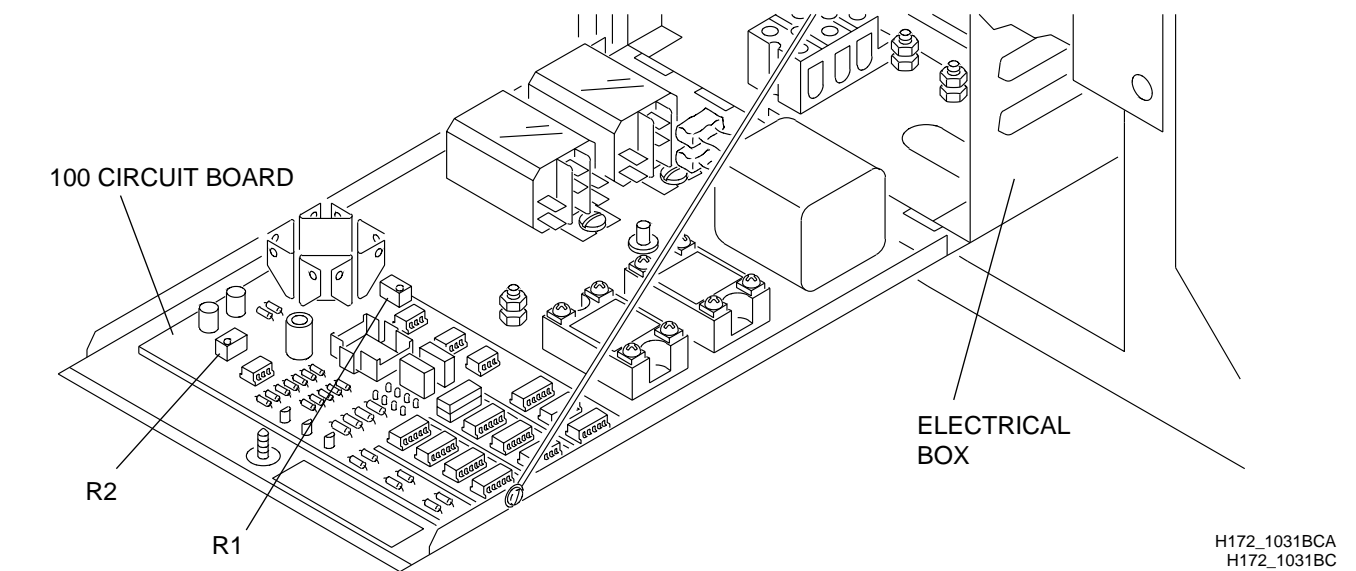
H172\_1006BCB  
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[8] Wait until the TEMPERATURE READY LIGHT blinks or does not illuminate.

[9] Insert a THERMOMETER into the DEVELOPER TANK on the non-drive side of the PROCESSOR between the SIDE PLATE of the DEVELOPER RACK and the RACK SUPPORT.

[10] Check that the temperature of the developer is correct for the operating cycle of the PROCESSOR.

Cycle	Temperature
STANDARD	33.3 0.3°C (92.0 0.5°F)
RAPID	34.4 0.3°C (94.0 0.5°F)



[11] If the developer temperature is correct, advance to Step 15.



**ESD**

Possible damage from electrostatic discharge.

- [12] If the developer temperature is not correct:
- (a) Open the DOOR on the ELECTRICAL BOX.
  - (b) Use the POTENTIOMETER ADJUSTING TOOL TL-1481 to adjust R2 on the 100 CIRCUIT BOARD:
    - Rotate R2 clockwise to increase the temperature
    - Rotate R2 counterclockwise to decrease the temperature

[13] Allow the developer solution to reach a stable temperature.

[14] Do Step 10.

[15] Insert 3 or 4 test films to check for the correct operation of the DETECTOR SWITCHES and the REPLENISHMENT PUMPS.

- [16] Check that the timeout of the RUN mode to STANDBY is 3 minutes:
- (a) Wait until the TEMPERATURE READY LIGHT is either blinking or does not illuminate.
  - (b) Press one of the RUN/STANDBY SWITCHES to actuate the cycle.  
The PROCESSOR should operate for 3 minutes.



**ESD**

Possible damage from electrostatic discharge.

- [17] If the timeout is not 3 minutes, adjust R1 on the 100 CIRCUIT BOARD:
- Rotate R1 clockwise to increase the time
  - Rotate R1 counterclockwise to decrease the time

[18] Close the DOOR on the ELECTRICAL BOX.

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