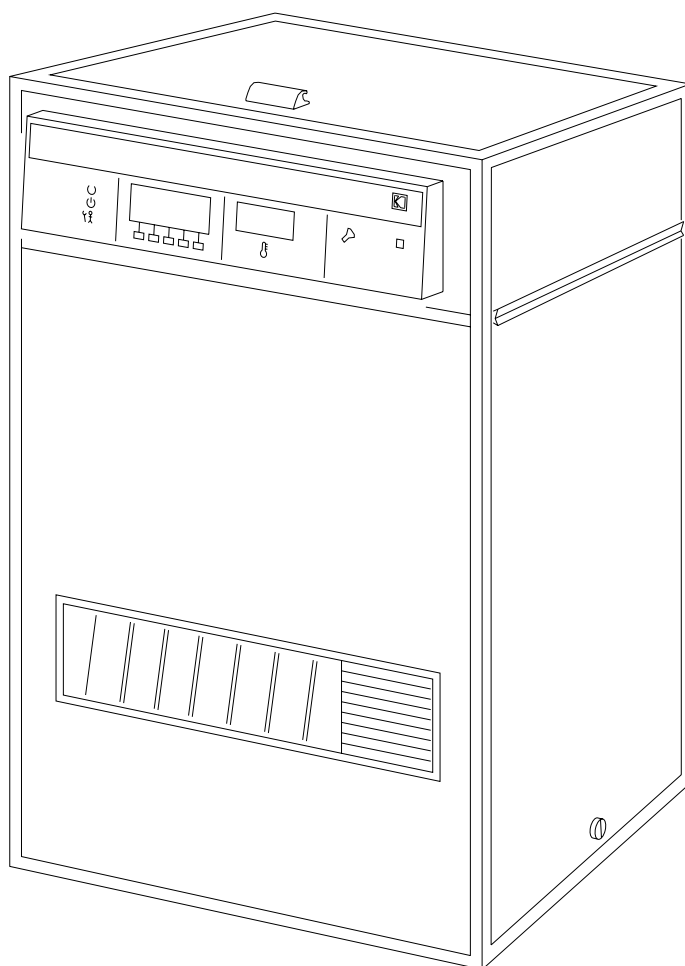




INSTALLATION INSTRUCTIONS

for the

Kodak X-Omat 460 RA Processor



H108_0003DA

PLEASE NOTE

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CAUTION



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

Table of Contents

Description

Page

Unpacking the Processor

Removing the Packing Material

- [1] Cut the metal bands around the outside of the shipping carton.
- [2] Remove the shipping carton from the processor.
- [3] Remove the internal CARDBOARD from the top of the processor.
- [4] Remove the TOP COVER from the processor.
- [5] Remove:
 - DEVELOPER/FIXER CROSSOVER
 - FIXER/WASH CROSSOVER
 - DETECTOR CROSSOVER.
- [6] Remove the SQUEEGEE ASSEMBLY from the processor.
- [7] Remove the PACKING MATERIAL covering the RACK HANDLES.
- [8] Remove the CARDBOARD from between the WASH RACK and the WASH TANK.

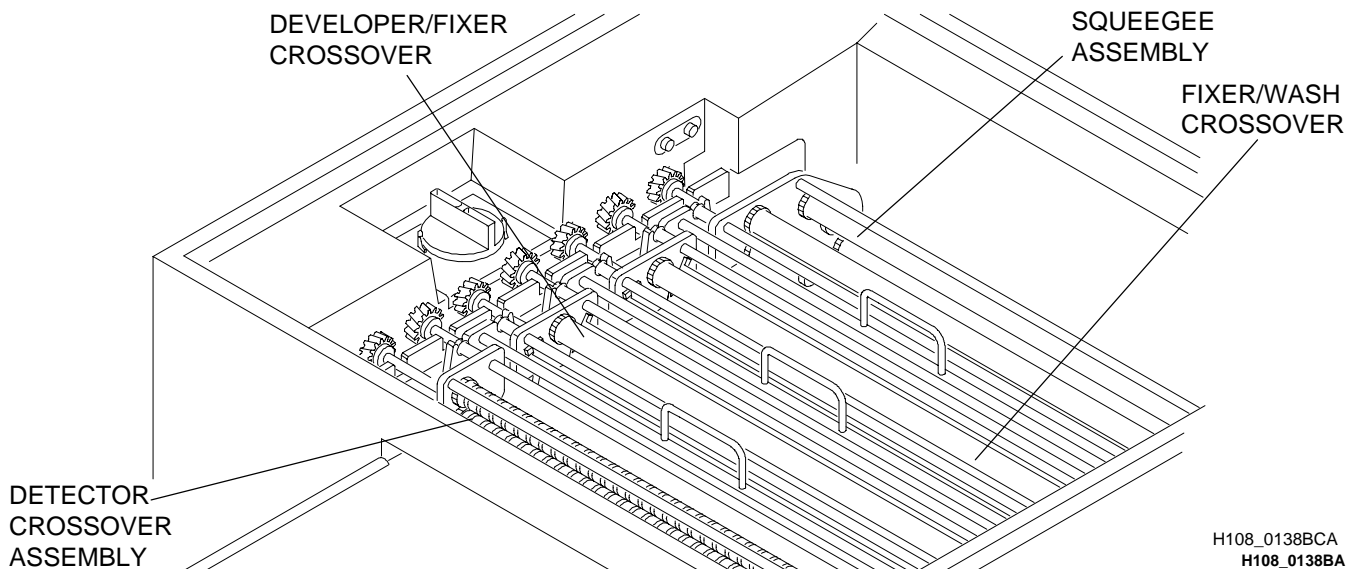
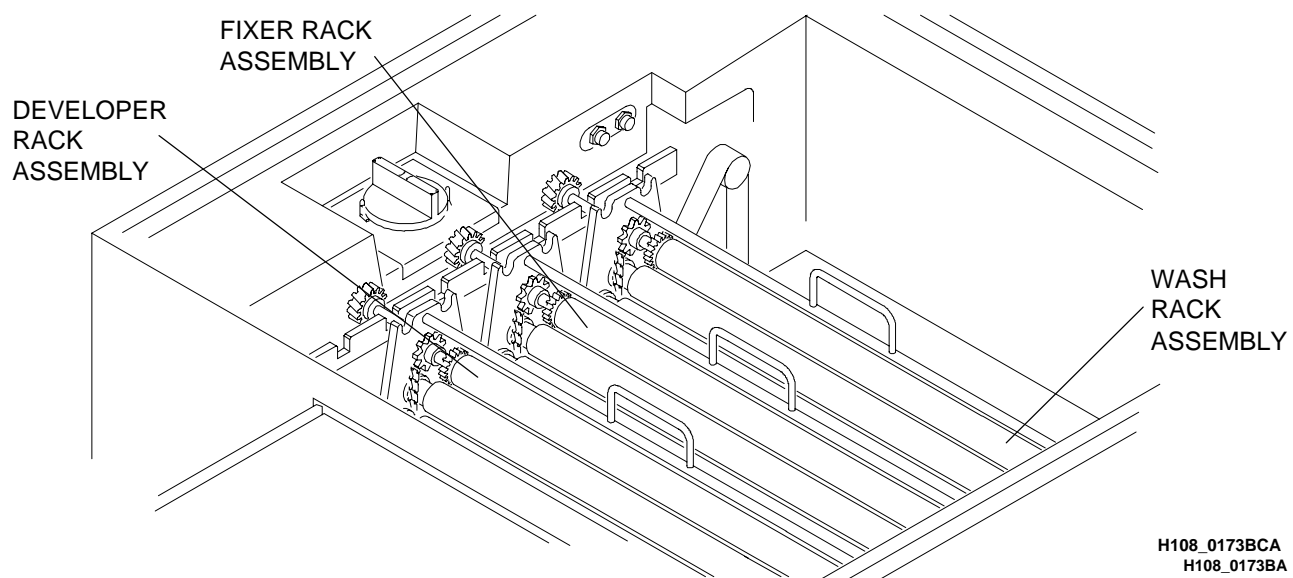


Figure 1 Crossover Identification

[9] Remove:

- DEVELOPER RACK
- FIXER RACK
- CARDBOARD from around each RACK
- WASH RACK.



H108_0173BCA
H108_0173BA

Figure 2 Rack Identification

[10] Remove the CARDBOARD from inside the bottom of the DEVELOPER, FIXER, and WASH TANKS.

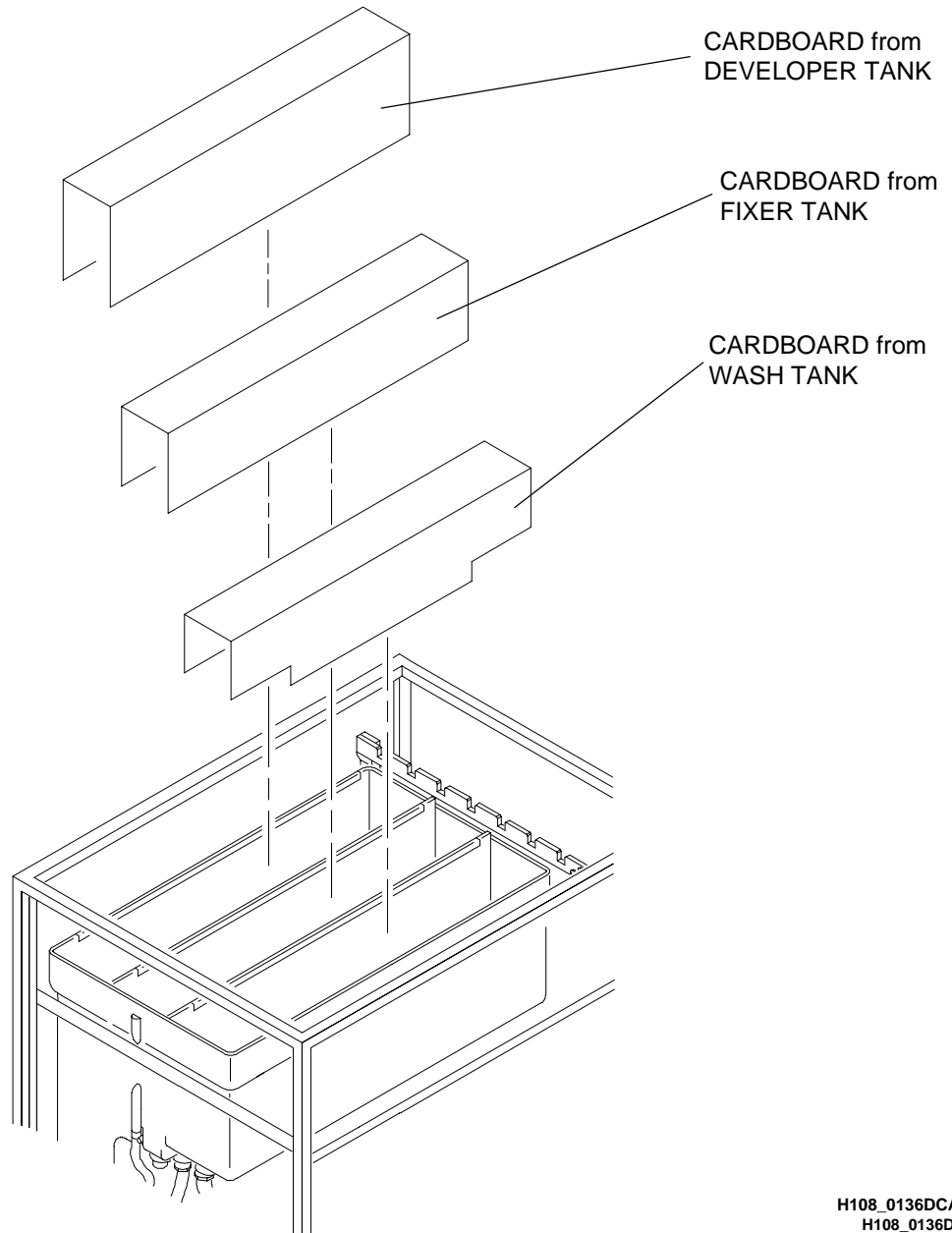
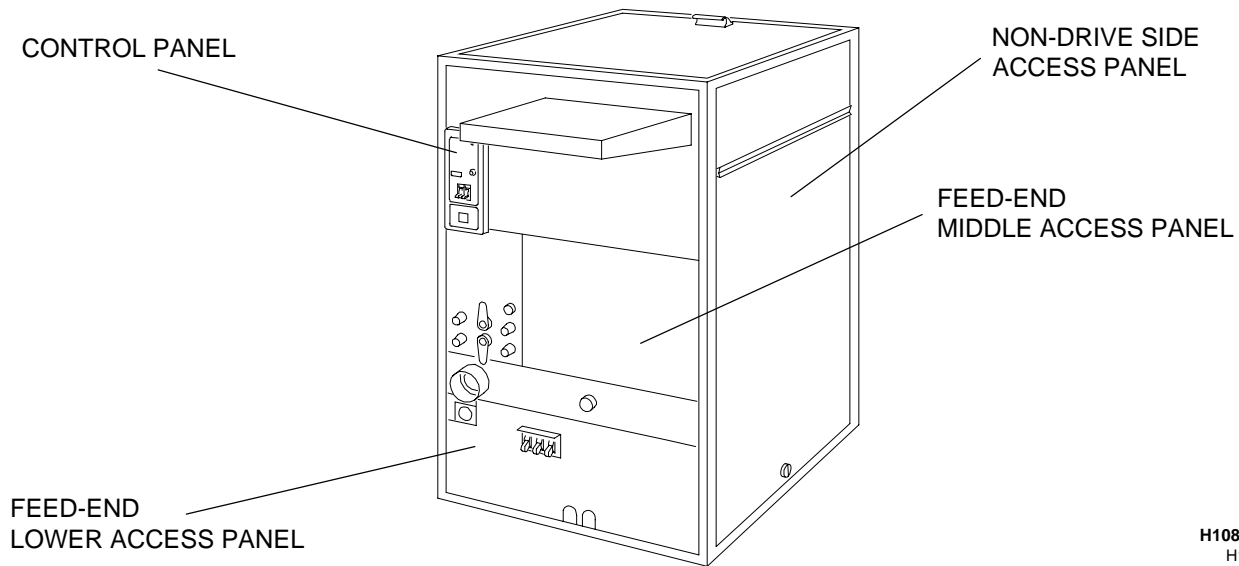


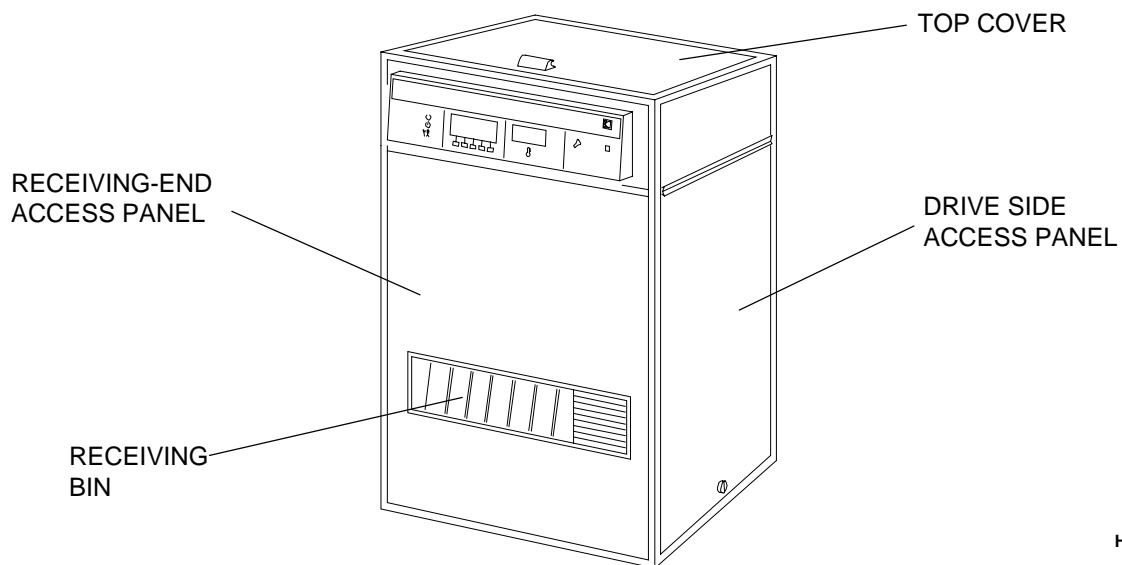
Figure 3 Removing Cardboard from the Processor Tanks

- [11] Remove the RECEIVING-END ACCESS PANEL from the processor.
- [12] Remove the 3 DRAIN HOSES from the RECEIVING BIN.
- [13] Remove the WRAPPED ITEMS from inside the front of the processor and keep them for later installation.
- [14] Remove the NON-DRIVE SIDE ACCESS PANEL from the processor.



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H108_0137BA

Figure 4 Feed-End View of Processor



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H108_0003BA

Figure 5 Receiving-End View of Processor

- [15] From the NON-DRIVE SIDE of the processor, remove the CARDBOARD securing the ends of the DRYER AIR TUBES in place.
- [16] Remove the 10 OUTER DRYER AIR TUBES to access the PACKING MATERIAL around the SHAFTS of the AIR TUBES and ROLLERS.
- [17] Remove the PACKING MATERIAL.
- [18] Insert the 10 OUTER DRYER AIR TUBES back into the side frame of the dryer placing the flat side of the AIR TUBE up.

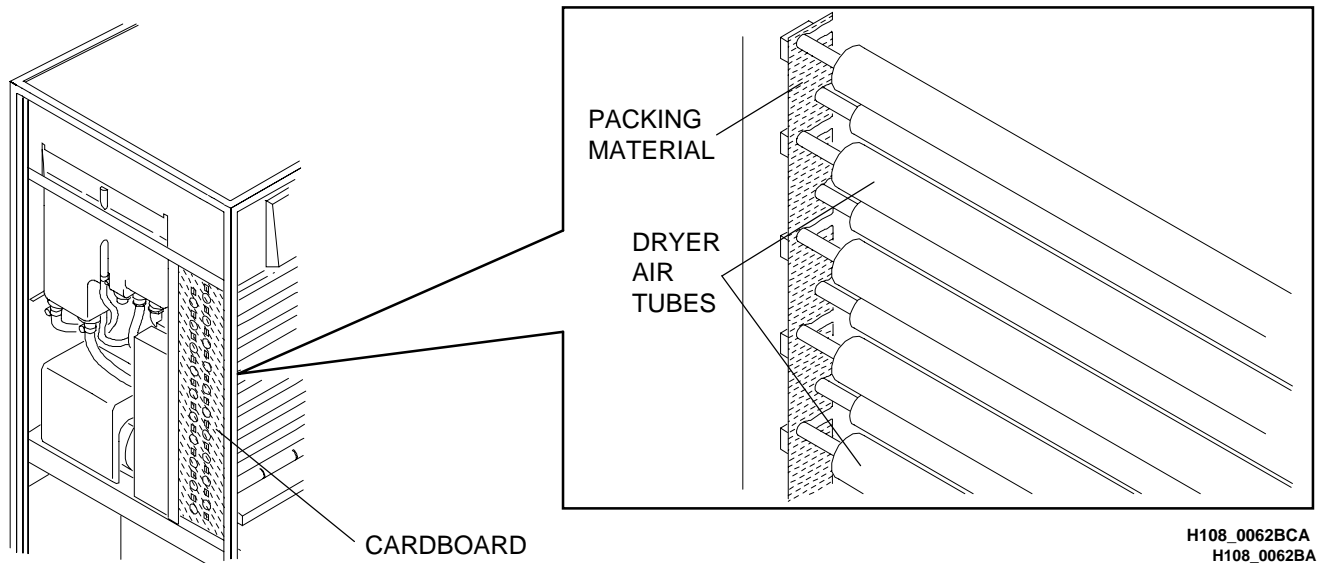


Figure 6 Removing Cardboard from around Dryer Air Tubes

NOTE

If you are unpacking the processor anywhere other than in its final destination, make sure to either install all removed parts or pack them carefully with the processor for transport.

Installing the Processor

Removing the Processor from the Shipping Skid

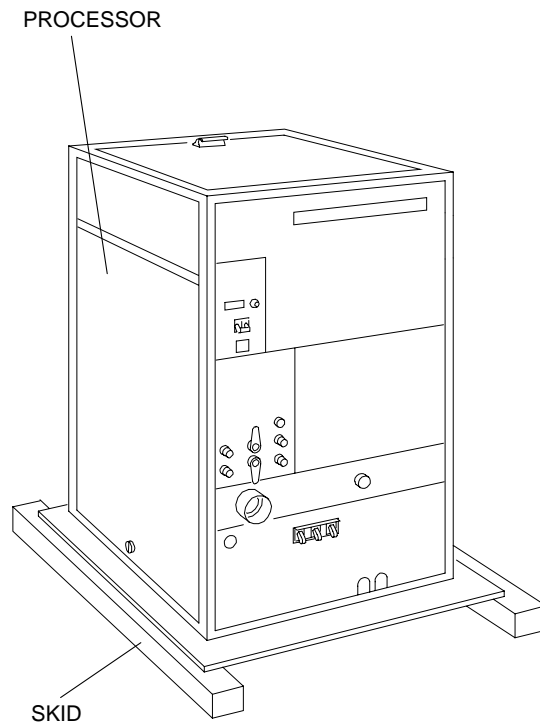
WARNING

The processor weighs over 200 kg (442 lb), therefore use 2 people when installing the LEVELING SCREWS and moving the processor into position.

CAUTION

The processor is not attached to the SHIPPING SKID. Use care when moving the SKID.

- [1] Move the processor, on the SHIPPING SKID, as close as possible to the processor's final destination.



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H108_0017CA

Figure 7 Processor Mounted on Shipping Skid

- [2] Remove the FEED-END, LOWER ACCESS PANEL and the 2 SIDE PANELS from the processor for easier access.
- [3] Move the processor so that one corner is off the SHIPPING SKID.



To prevent damaging the LEVELING SCREWS and the processor, do not allow more than a 25 mm (1 in.) clearance between the bottom of the processor and the HEAD of the LEVELING SCREW.

- [4] Insert a LEVELING SCREW into the corner of the processor that is off the SKID.

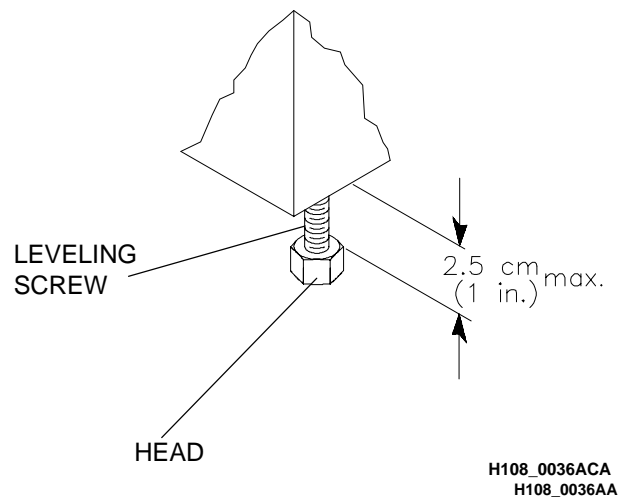


Figure 8 Leveling Screw

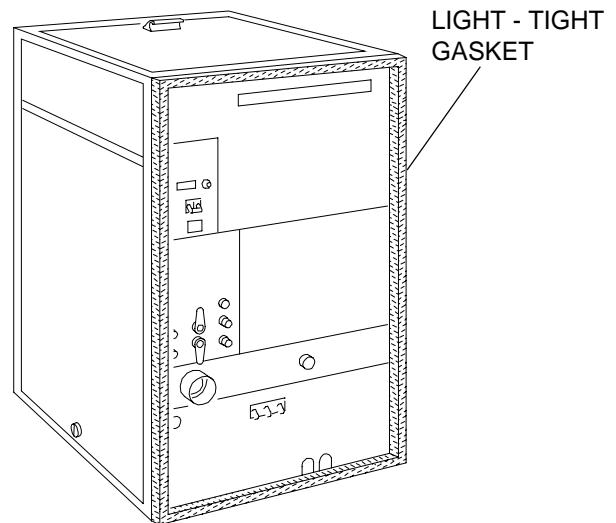
- [5] Move another corner of the processor from the SKID.
- [6] Insert a LEVELING SCREW into that corner of the processor.
- [7] Do Steps ?? and ?? for the remaining 2 corners of the processor.

Installing the Light-Tight Gasket

- [1] Install the LIGHT-TIGHT GASKET onto the end of the processor (receiving end or feed end) that will be against the darkroom wall.

CAUTION

Do not stretch the GASKET.



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H108_0032AA

Figure 9 Installing the Light-Tight Gasket

Installing the Feed Shelf

- [1] Install the FEED SHELF using:
- 5 SCREWS
 - 5 WASHERS
 - 5 LOCK WASHERS

NOTE

Do not tighten the SCREWS.

[2] Install the FILM GUIDE onto the FEED SHELF using:

- 3 WING NUTS
- 3 WASHERS.

NOTE

Do not tighten the WING NUTS.

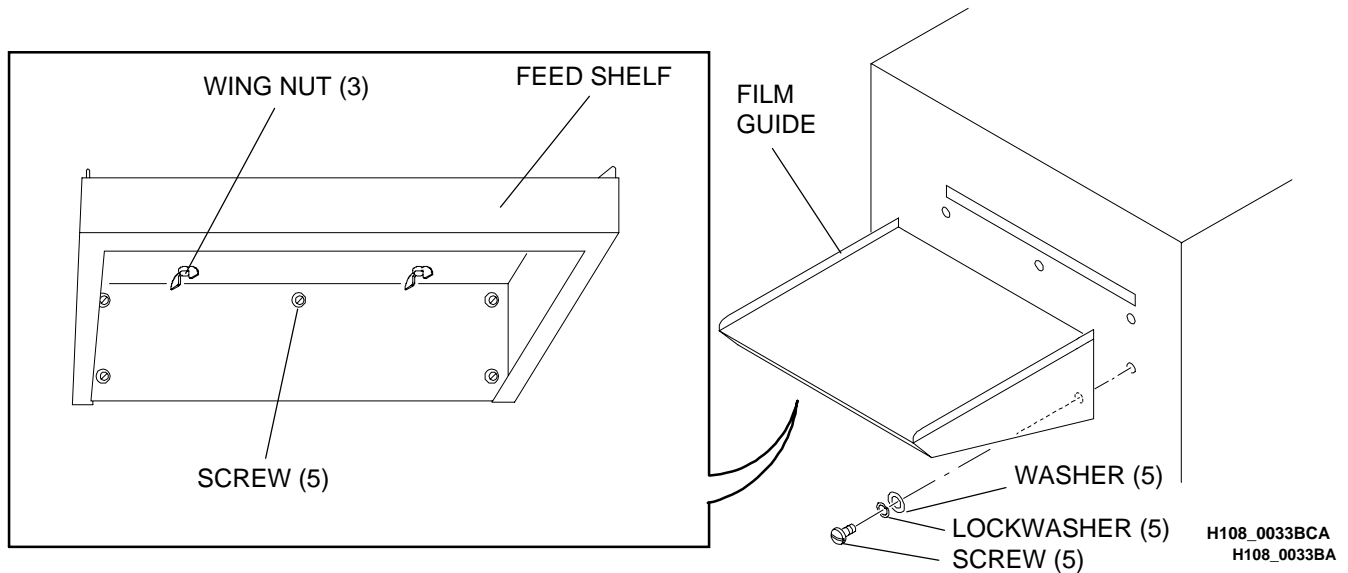


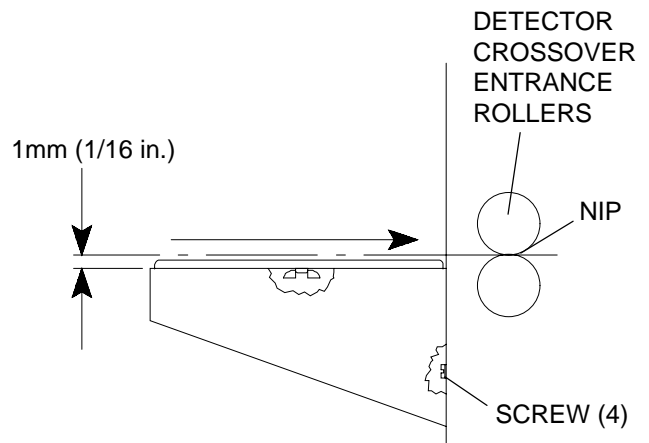
Figure 10 Installing the Feed Shelf

Adjusting the Height of the Feed Shelf

- [1] Adjust the position of the FEED SHELF so that it is approximately 1 mm (1/16 in.) lower than the NIP of the DETECTOR CROSSOVER ENTRANCE ROLLERS.
- [2] When the height is adjusted correctly, tighten the 5 SCREWS as shown.

NOTE

Do not tighten the WING NUTS.



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Figure 11 Adjusting Feed Shelf Height

Aligning the Film Guide

- [1] Insert a 35 x 43 cm (14 x 17 in.) film into the FILM GUIDE.
- [2] Use the edges of the film to align the FILM GUIDE with the DETECTOR CROSSOVER ASSEMBLY.
- [3] Tighten the 3 WING NUTS.

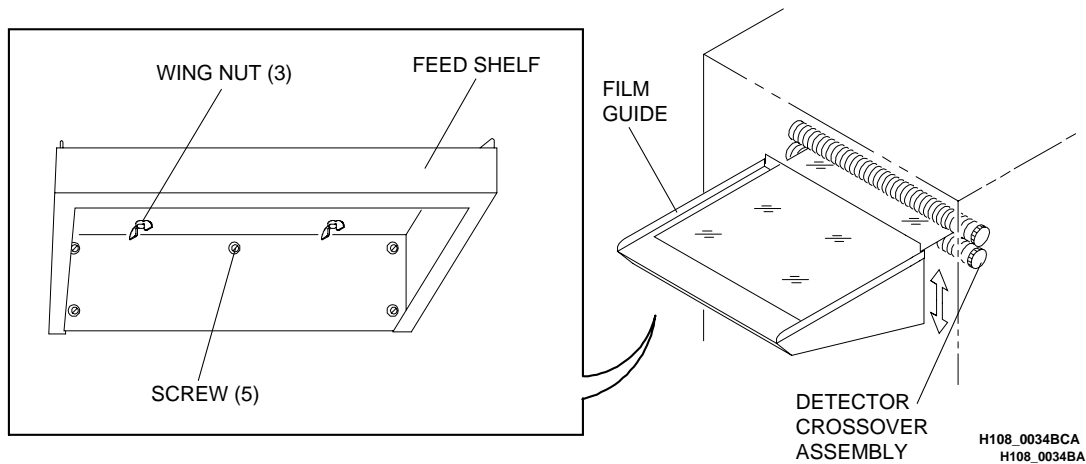


Figure 12 Aligning the Film Guide

Installing the Light Hood

- [1] Remove the outer 2 SCREWS above the FEED TRAY. See the figure.
- [2] Align the holes in the LIGHT SHIELD with the 2 SCREW HOLES.
- [3] Install the 2 SCREWS removed in Step 1 through the LIGHT SHIELD and into the processor.
- [4] Remove the RECEIVING-END ACCESS PANEL from the processor.
- [5] Circle number 5 on the MODIFICATION LABEL.
- [6] Install the RECEIVING-END ACCESS PANEL onto the processor.

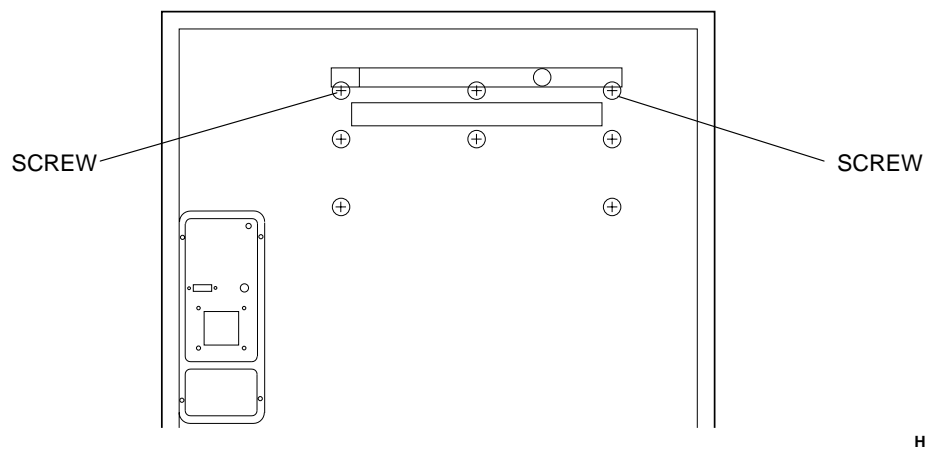


Figure 13 Installing the Light Shield

Positioning the Processor Against the Wall

- [1] Move the processor 2.5 cm (1 in.) from the WALL.

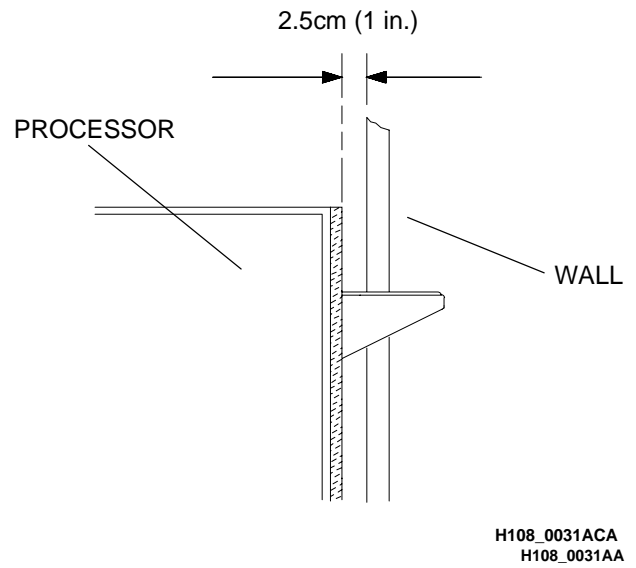


Figure 14 Positioning the Processor

- [2] Install the 4 FLOOR PLATES under the 4 LEVELING SCREWS.

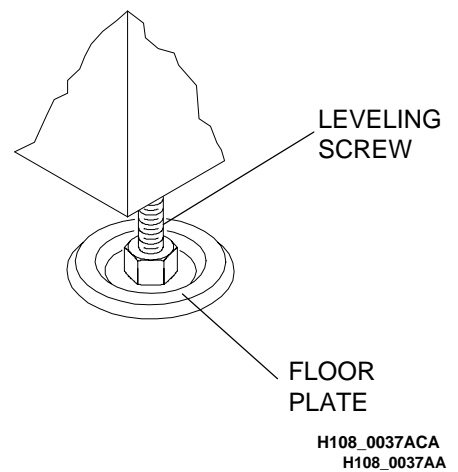


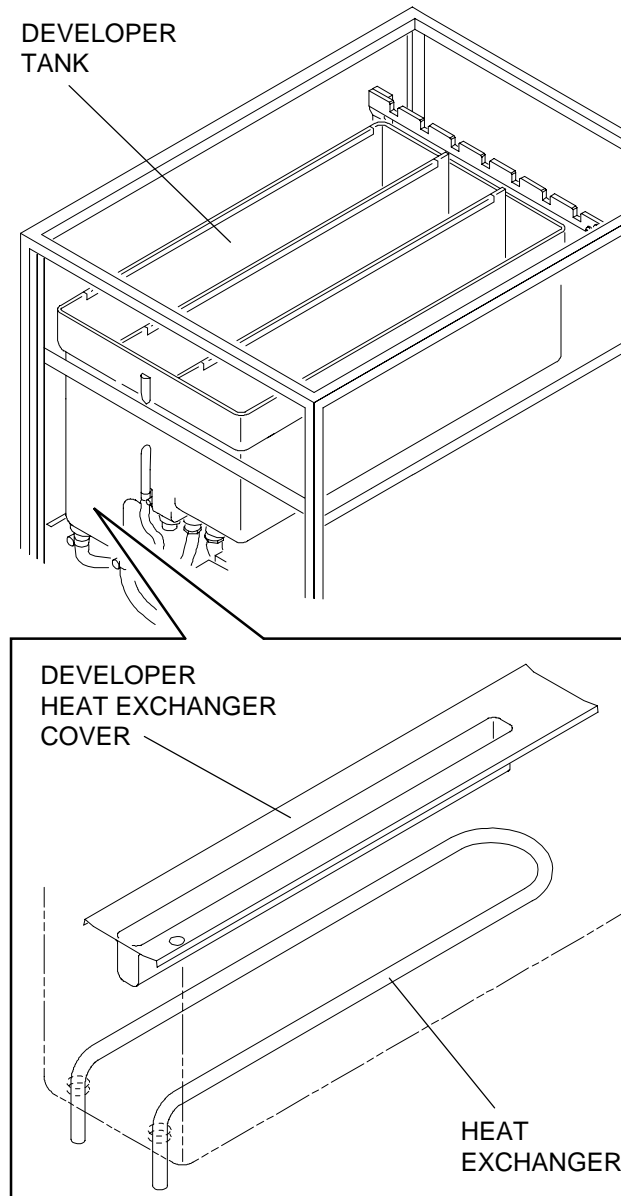
Figure 15 Installing the Floor Hardware

Installing the Heat Exchanger Cover and Racks

- [1] When the processor is positioned in its final location against the wall, unwrap the items removed during the Unpacking Procedure.
- [2] Install the DEVELOPER HEAT EXCHANGER COVER into the bottom of the DEVELOPER TANK.

NOTE

Make sure that the HEAT EXCHANGER COVER is pushed completely down.



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Figure 16 Installing the Developer Heat Exchanger Cover

[3] Install:

- DEVELOPER RACK
- FIXER RACK
- WASH RACK

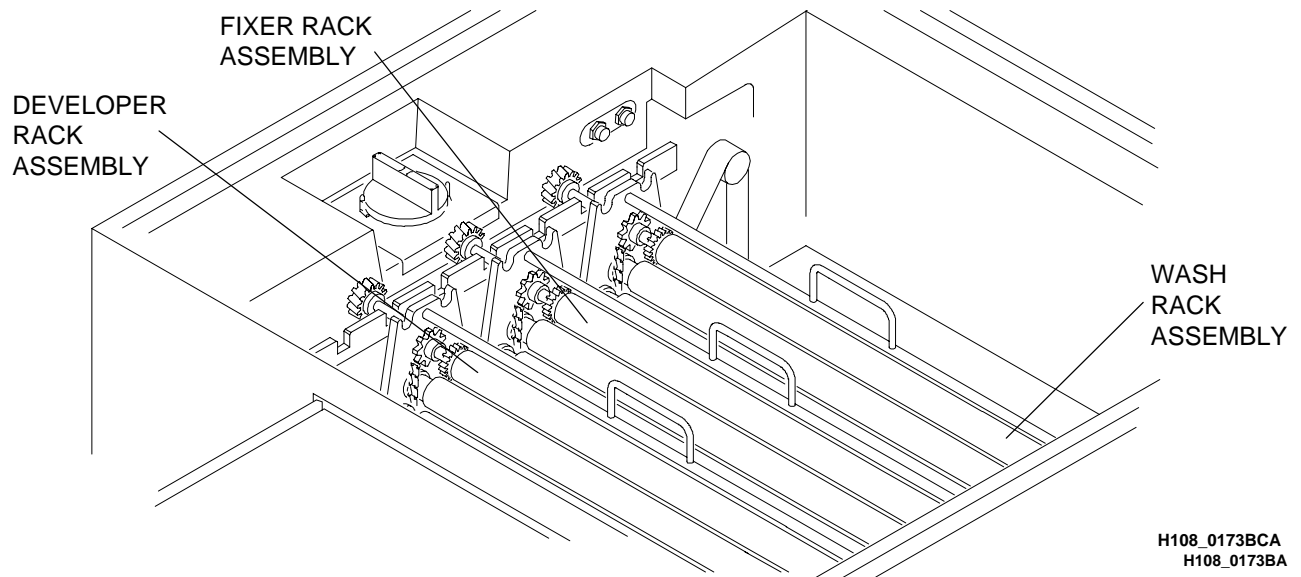
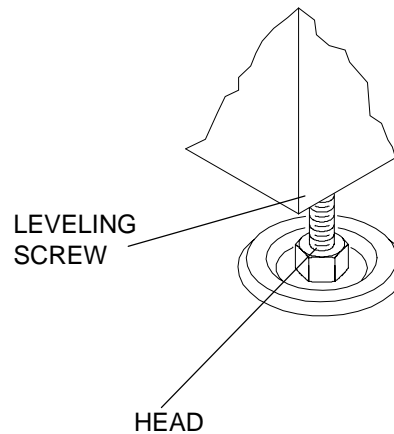


Figure 17 Installing the Racks

Leveling the Processor

CAUTION

To prevent damaging the LEVELING SCREWS and the processor, do not allow more than a 25 mm (1 in.) clearance between the bottom of the processor and the HEAD of the LEVELING SCREW.



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H108_0037AA

Figure 18 Adjusting the Leveling Screws

- [1] Check that the RACKS are in their correct positions and that the GEARS of the RACK ASSEMBLIES engage with the GEARS of the MAIN DRIVE SHAFT.

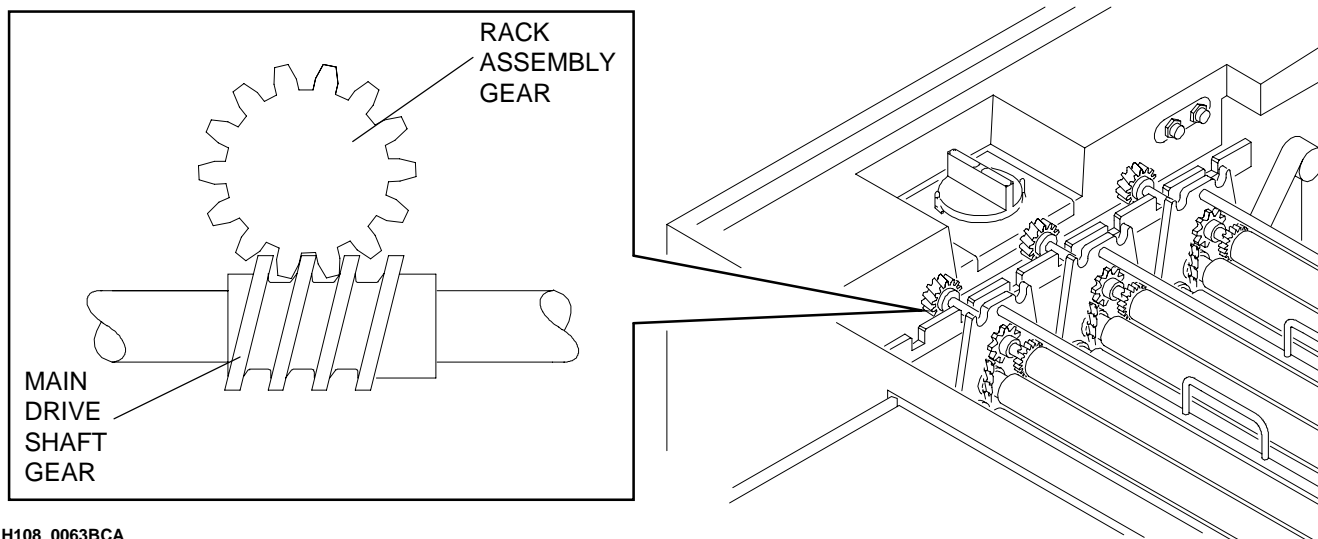


Figure 19 Positioning the Racks and Gears

CAUTION

The edge of the LEVEL could cause damage to the surface of the ROLLER.

- [2] Place a LEVEL as shown in the illustration. Adjust the LEVELING SCREWS to level the processor from front to back and from side to side.

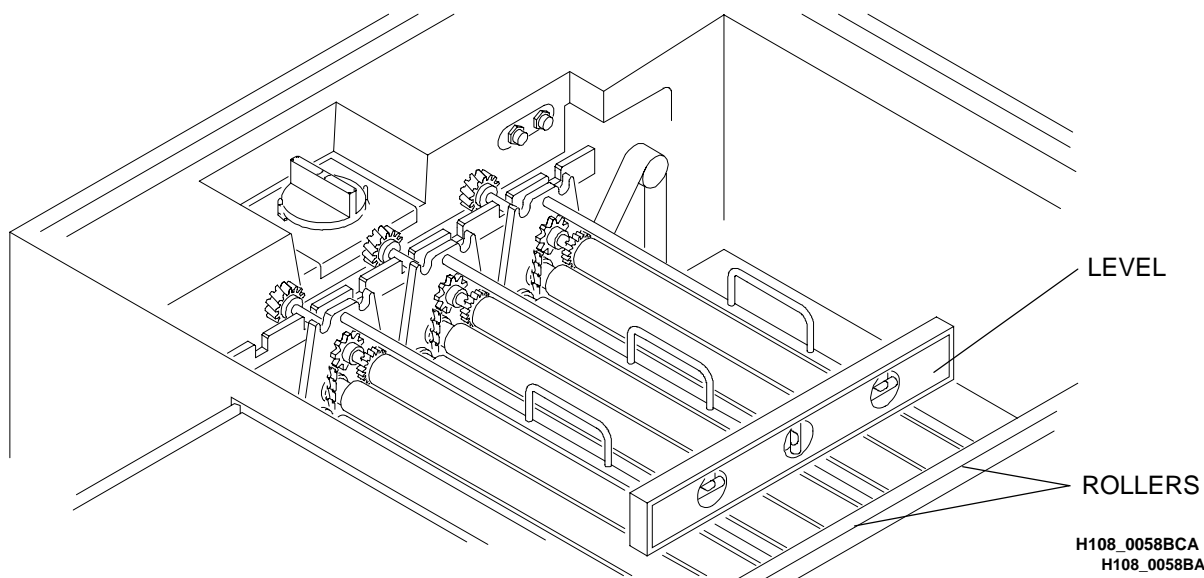


Figure 20 Leveling the Processor

- [3] Fasten the processor in position, if required. See Figure 5.
- [4] Move the processor up tight against the WALL.

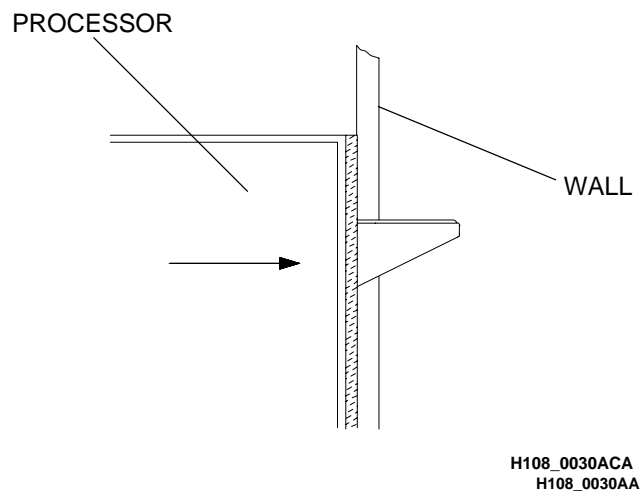


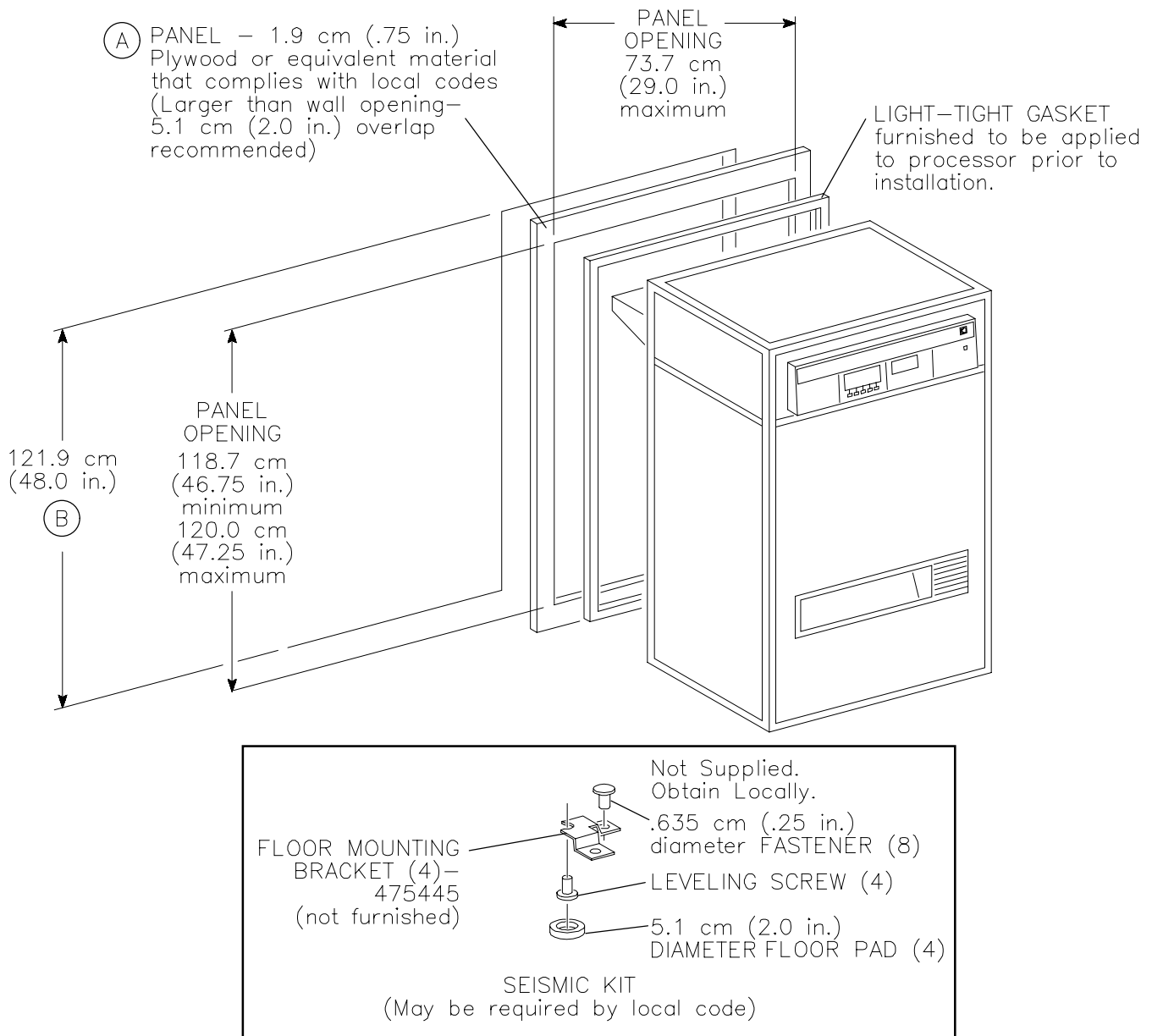
Figure 21 Positioning the Processor Against the Wall

NOTE

A Seismic Kit may be required by local code. If local code does require installation of a Seismic Kit, see Figure 5 for information.

IMPORTANT

Do not install a Seismic Kit until the processor has been positioned against the wall and has been leveled.



H108_0010DA

Figure 22 New Wall Installation - Feed End

- A** If the wall around the opening is straight and exactly perpendicular to the floor, this panel may not be necessary. The wall opening dimensions should match the inside dimensions of the panel opening.
- B** Make sure that the vertical dimension of 122 cm \pm 3 mm (48 \pm 1/16 in.) for the wall opening is measured from the finished floor.

Installing the Crossovers and Assemblies

- [1] Install:
- DEVELOPER/FIXER CROSSOVER
 - FIXER/WASH CROSSOVER
 - DETECTOR CROSSOVER ASSEMBLY
 - SQUEEGEE ASSEMBLY.

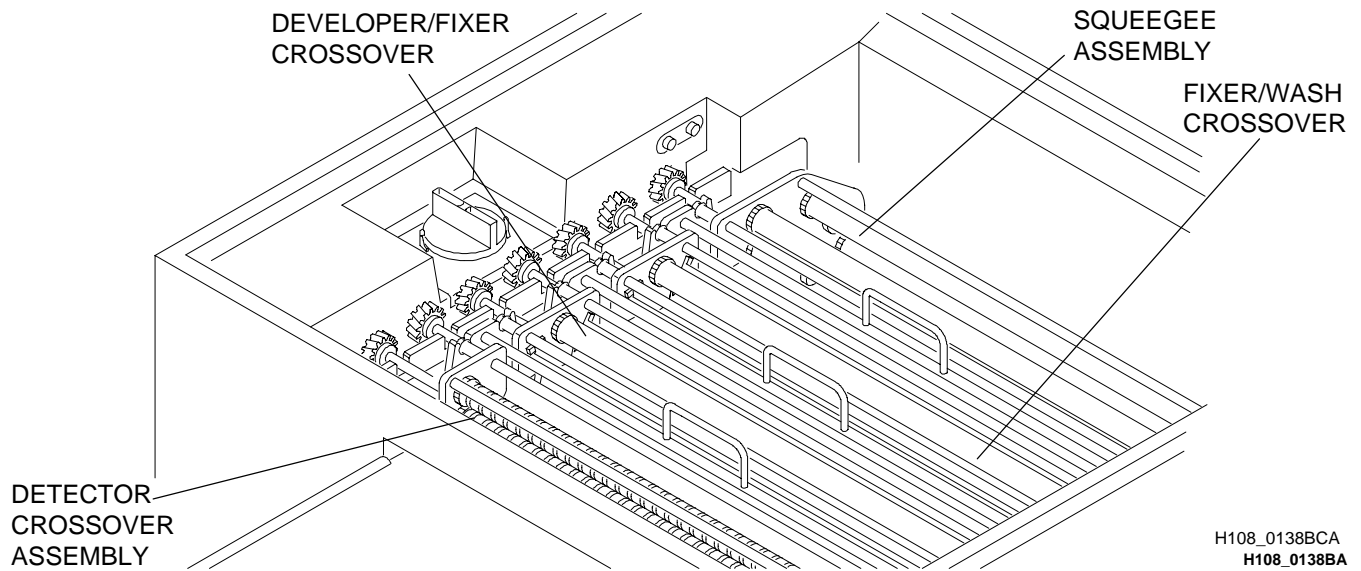


Figure 23 Installing the Crossovers and Assemblies

Connecting the Wash Water Hoses

- [1] Once the DEVELOPER and FIXER REPLENISHMENT TUBES are both connected to their respective REPLENISHMENT TANKS, connect the WASH WATER HOSES. Connect one HOSE from the QUICK DISCONNECT to the FIXER/WASH CROSSOVER.

NOTE

The WASH WATER HOSE and the CLAMP required for the installation are packed with the processor in the separate PRE-PACK CARTON.

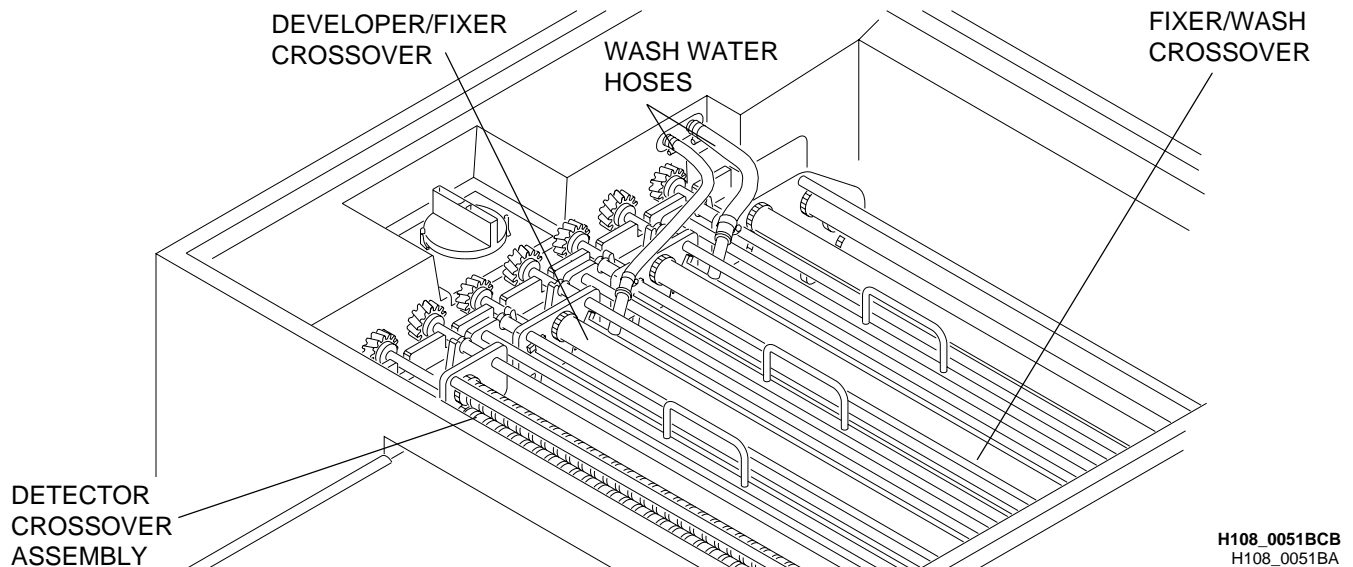


Figure 24 Connecting the Wash Water Hoses

- [2] Install the EVAPORATION COVERS.

Connecting the Processor

Connecting the Jumpers at Terminal Strip TB2

- [1] Remove the FEED-END, LOWER ACCESS PANEL from the processor.
- [2] Open the TRANSFORMER BOX COVER.
- [3] Determine the SUPPLY VOLTAGE being applied to the processor.
- [4] Remove the JUMPERS from the PRE-PACK CARTON which came packed with the processor in the SHIPPING CARTON. See Figures ?? through ?? on pages ?? through ??, and connect the JUMPERS to TERMINAL STRIP TB2.
- [5] Route the JUMPER WIRES neatly so that the wires do not become pinched or scraped when you close the TRANSFORMER BOX COVER.

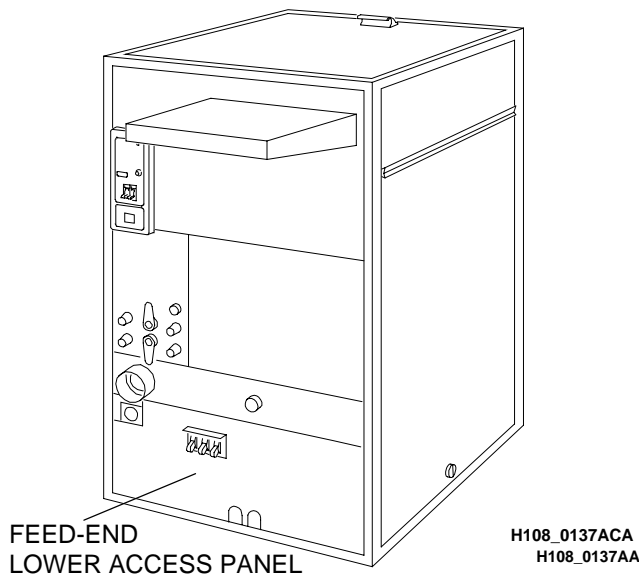


Figure 25 Feed-End Access Panels

Connecting the Wiring to the Terminal Strip

- [1] Connect the MAIN INPUT POWER WIRES to TERMINAL STRIP TB1 and to the GROUNDING LUG.

NOTE

Wiring must meet all local codes.

- [2] Close the TRANSFORMER BOX COVER.
- [3] Install the FEED-END, LOWER ACCESS PANEL onto the processor.

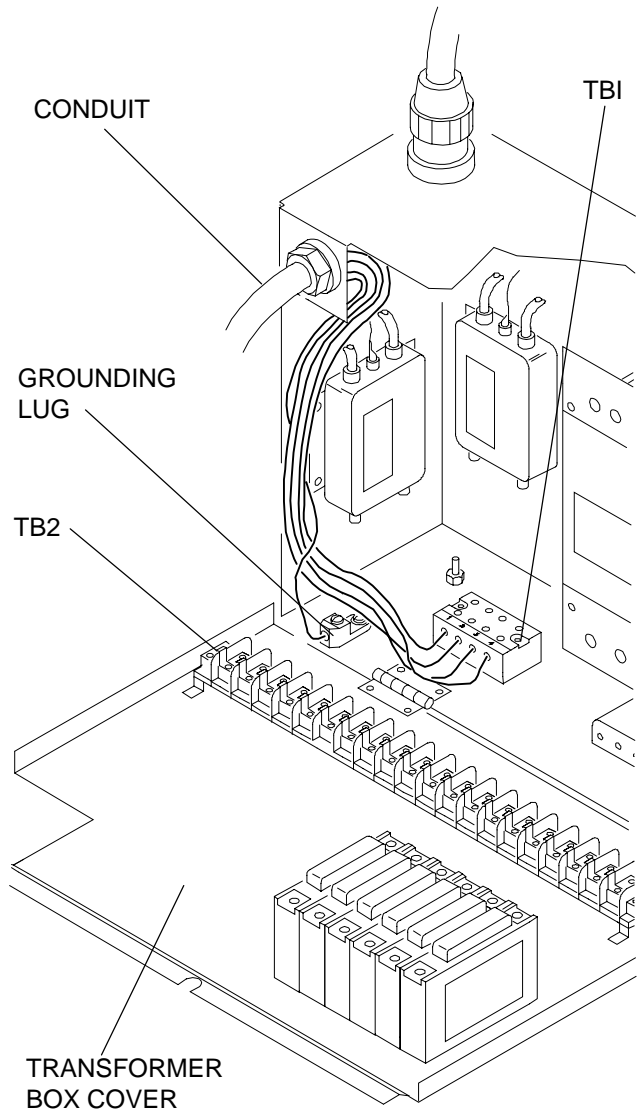
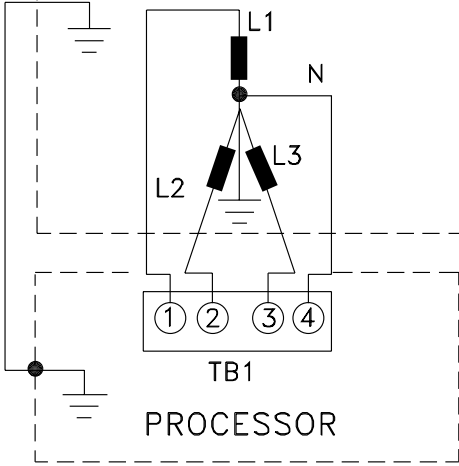
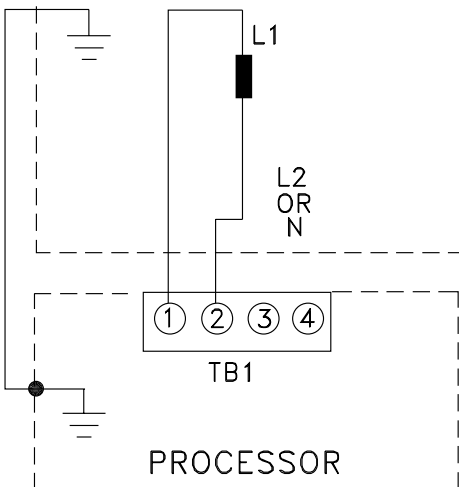


Figure 26 Transformer Box Interior

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POWER SYSTEM	NOMINAL SUPPLY VOLTAGE	FREQUENCY (Hz)	CONNECTION DIAGRAM
<div> <p>3 PHASE 4 WIRE PLUS EARTH GROUND</p> <p>120V.L-N/208V.L-L OR 127V.L-N/220V.L-L</p>  </div>	120/208	60	A
	127/220	50	B
<div> <p>SINGLE PHASE 2 WIRE PLUS EARTH GROUND</p> <p>200V OR 220V</p>  </div>	200	50/60	C
	220	50/60	D

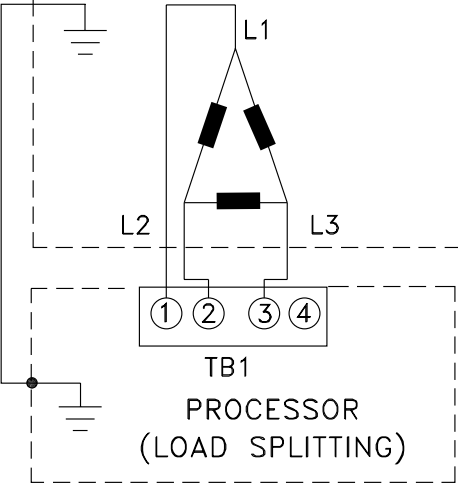
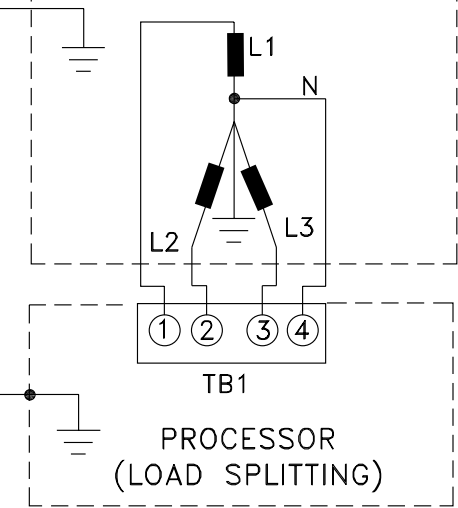
P108_9009EC

Figure 27 Supply Voltage Connection Chart

POWER SYSTEM	NOMINAL SUPPLY VOLTAGE	FREQUENCY (Hz)	CONNECTION DIAGRAM
<p>SINGLE PHASE 2 WIRE PLUS EARTH GROUND</p> <p>230V OR 240 V.L-L</p> <p>PROCESSOR</p>	230	50/60	E
	240	50/60	F
<p>SINGLE PHASE 3 WIRE PLUS EARTH GROUND</p> <p>100V.L-N/200V.L-L OR 120V.L-N/240V.L-L</p> <p>PROCESSOR</p>	100/200	50/60	G
	120/240	50/60	H

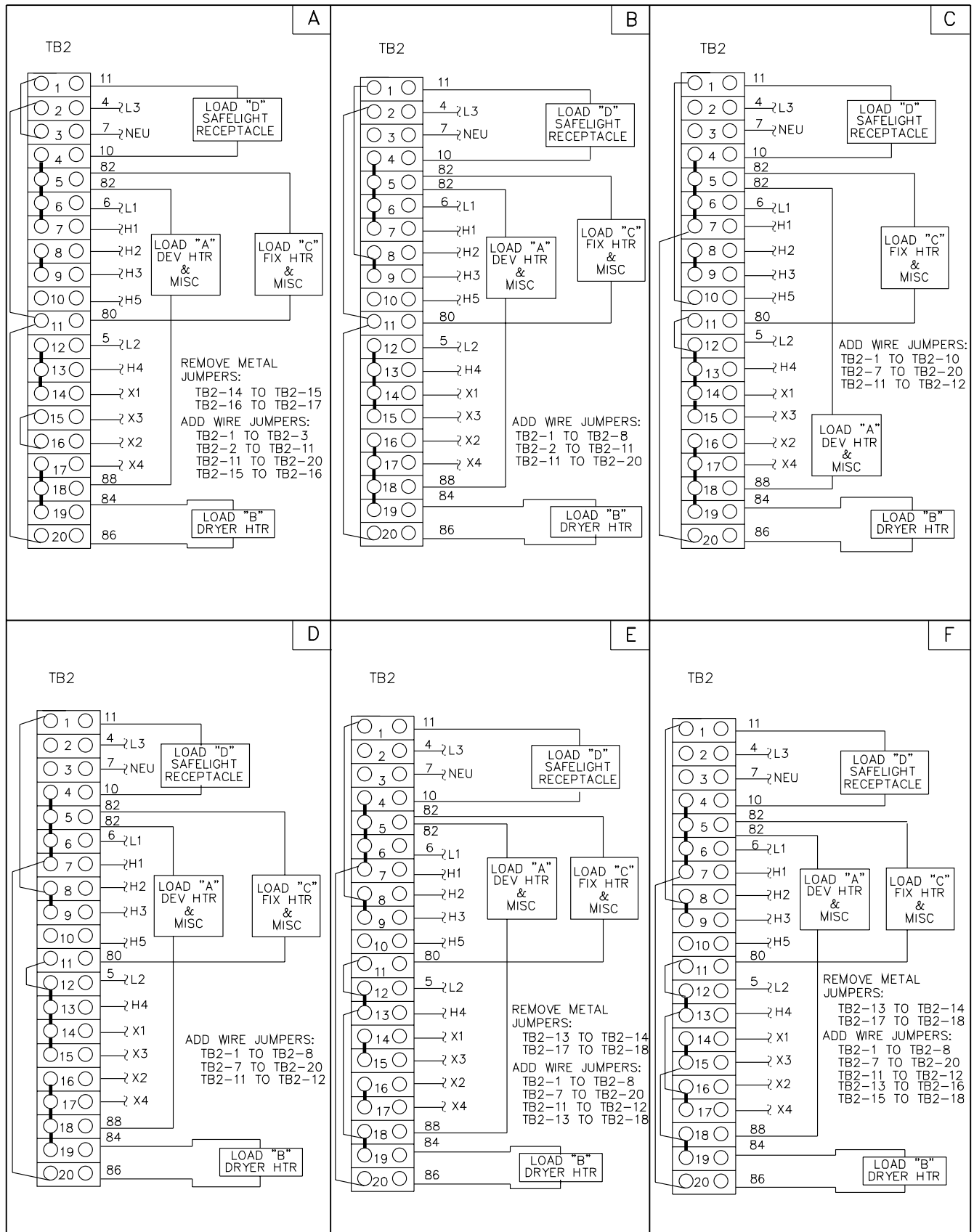
P108_9010EC

Figure 28 Supply Voltage Connection Chart Cont'd.

POWER SYSTEM	NOMINAL SUPPLY VOLTAGE	FREQUENCY (Hz)	CONNECTION DIAGRAM
<p>3 PHASE 3 WIRE PLUS EARTH GROUND</p> <p>200V. L-L</p>  <p>200 SPLIT LOAD</p>		50/60	J
<p>3 PHASE 4 WIRE PLUS EARTH GROUND</p> <p>220V.L-N/380V.L-L OR 230V.L-N/400V.L-L OR 240V.L-N/415V.L-L</p>  <p>220/380 SPLIT LOAD</p>		50	K
		50	L
		50	M

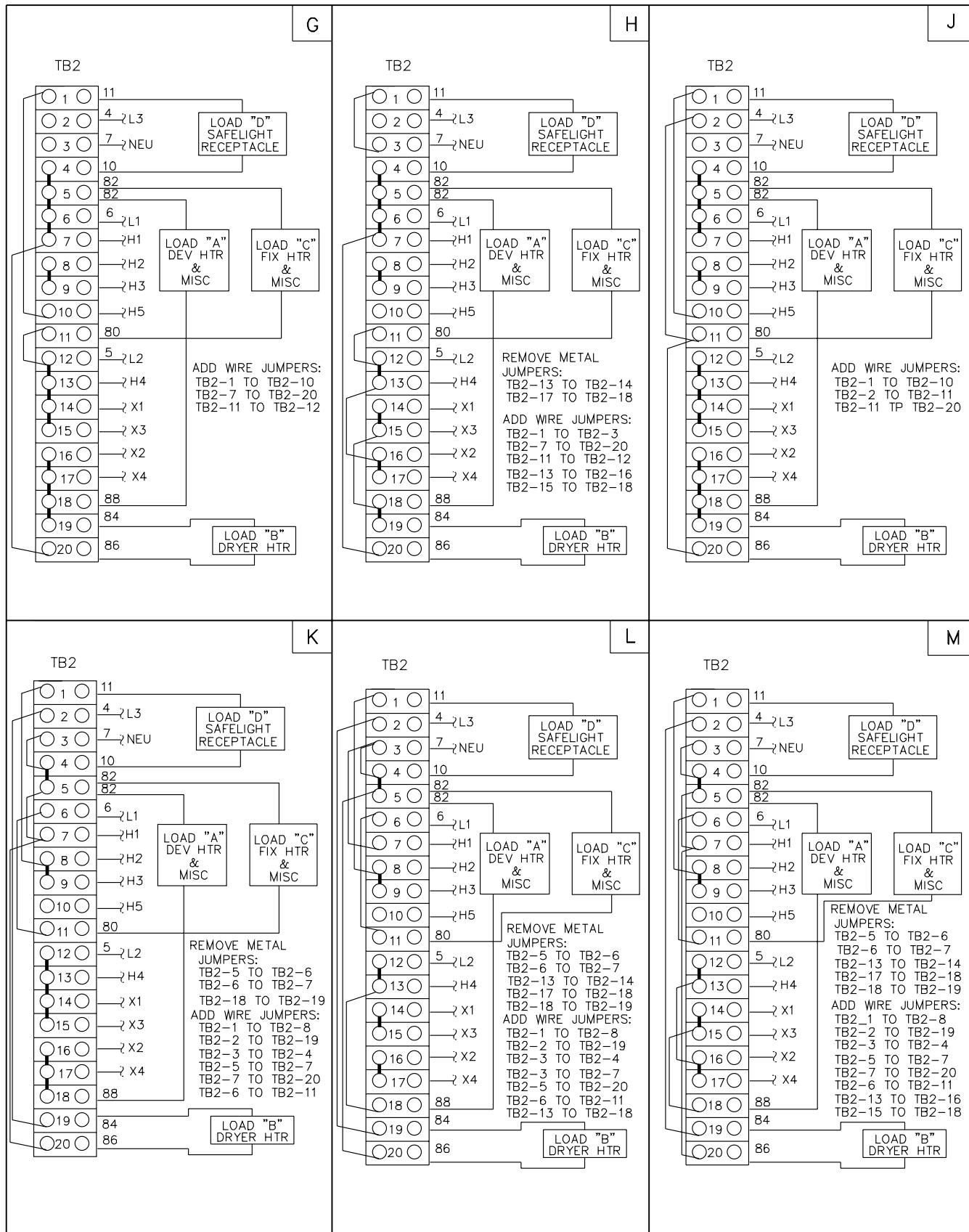
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Figure 29 Supply Voltage Connection Chart Cont'd.



P108_9012EC

Figure 30 Diagrams for Terminal Strip TB2



P108_9013EC

Figure 31 Diagrams for Terminal Strip TB2 Cont'd.

Operating the Processor at 50-Hz

NOTE

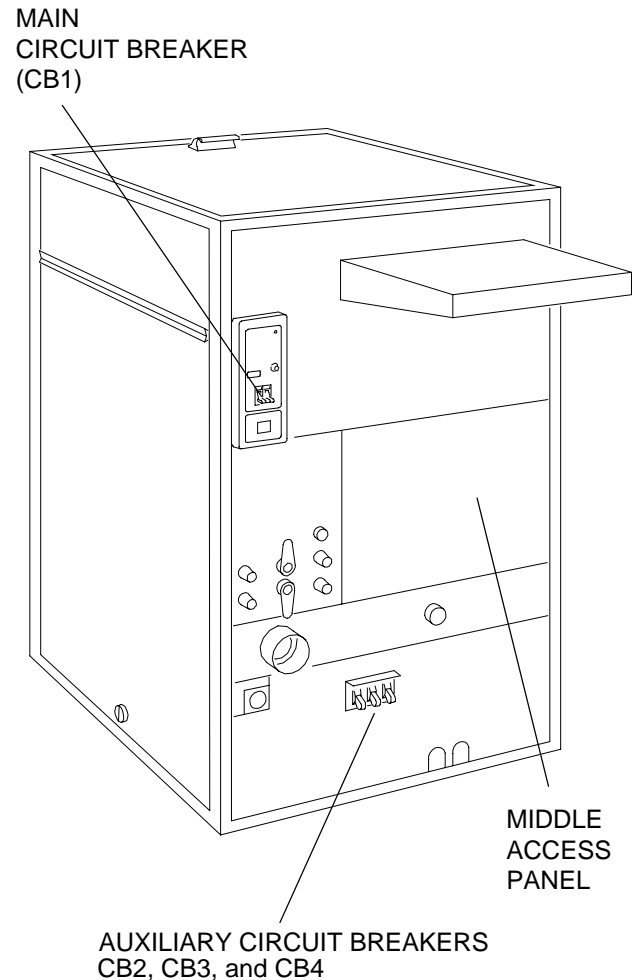
The processor is shipped for 60 Hz operation. If you plan to operate the processor at 60 Hz, proceed to the next section entitled "Installing Language Chips" on page ???. If you plan to operate the processor at 50 Hz, read the section that follows.

- [1] Deenergize the processor by moving the MAIN CIRCUIT BREAKER, CB1, and AUXILIARY CIRCUIT BREAKERS CB2, CB3, and CB4 to the "O" position.
- [2] Remove the FEED-END, MIDDLE ACCESS PANEL from the processor.
- [3] Remove the BLOWER MOTOR COVER.
- [4] Move the BLOWER MOTOR to the inner set of mounting holes, located on the frame of the processor.
- [5] Remove the BLOWER MOTOR PULLEY.
- [6] Turn the BLOWER MOTOR PULLEY around and install the PULLEY making sure that the **larger diameter end** of the PULLEY is mounted **against** the BLOWER MOTOR MOUNTING FRAME. See Figure ??
- [7] Move the DRIVE BELT to the larger diameter part of the BLOWER MOTOR PULLEY.
- [8] Adjust the position of the BLOWER MOTOR to obtain the correct tension of the BLOWER DRIVE BELT.

NOTE

Correct belt tension is achieved when the BLOWER DRIVE BELT does not make loud noises when you energize the processor.

- [9] Energize the processor by moving the MAIN CIRCUIT BREAKER, CB1, to the "I" position to check for correct tension of the BLOWER DRIVE BELT.
- [10] Deenergize the processor by moving the MAIN CIRCUIT BREAKER, CB1, to the "O" position.



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H108_0002CA

Figure 32 Deenergizing the Processor

- [11] Check the alignment of the DRIVE BELT. Adjust the PULLEY as necessary. When the processor is operating, check that this alignment is correct. See Figure ?? on page ??.
- [12] Deenergize the processor by moving the MAIN CIRCUIT BREAKER, CB1, to the “O” position.

CAUTION

Do not place hands or fingers near the moving parts.

- [13] Install the BLOWER MOTOR COVER.
- [14] Install the FEED-END, MIDDLE ACCESS PANEL onto the processor.

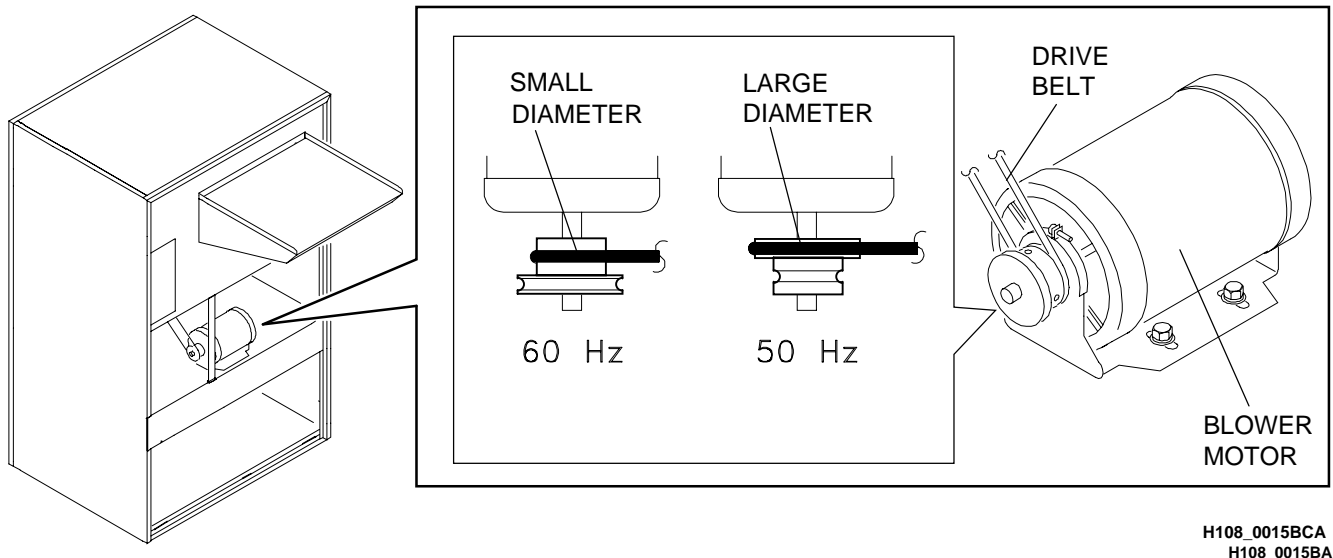
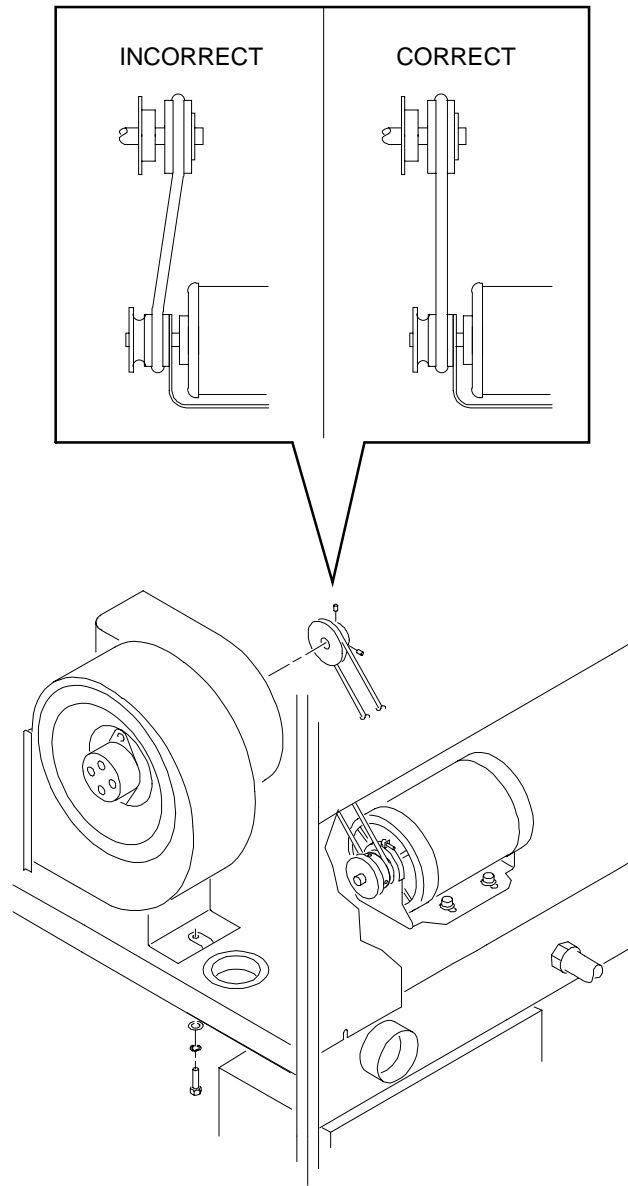


Figure 33 Positioning the Blower Motor and Drive Belt



H108_0074CA

Figure 34 Aligning the Blower Motor Pulley

Installing Language Chips

To change either to or from a Japanese display—

- [1] Make sure that the processor is deenergized. Move the MAIN CIRCUIT BREAKER, CB1, and AUXILIARY CIRCUIT BREAKERS CB2, CB3, and CB4 to the “O” position.
- [2] Remove the RECEIVING-END ACCESS PANEL

CAUTION

Before removing any CHIP from the 500 CIRCUIT BOARD, make sure you are wearing a wrist grounding strap to prevent damage from electrostatic discharge.

- [3] Loosen the SCREW on the ELECTRICAL BOX to access the 500 CIRCUIT BOARD.
- [4] Using the special tool, TL-4398, grip LANGUAGE CHIP U17 and pull it up and out of the SOCKET on the 500 CIRCUIT BOARD.
- [5] Place the new LANGUAGE CHIP U17 into the empty SOCKET on the 500 CIRCUIT BOARD in the position where the old LANGUAGE CHIP U17 was.

IMPORTANT

CHIPS U17, U18, U19, and U20 are keyed. These CHIPS must be positioned in their SOCKET correctly, otherwise they will not function. See the figure for the correct orientation of these CHIPS.

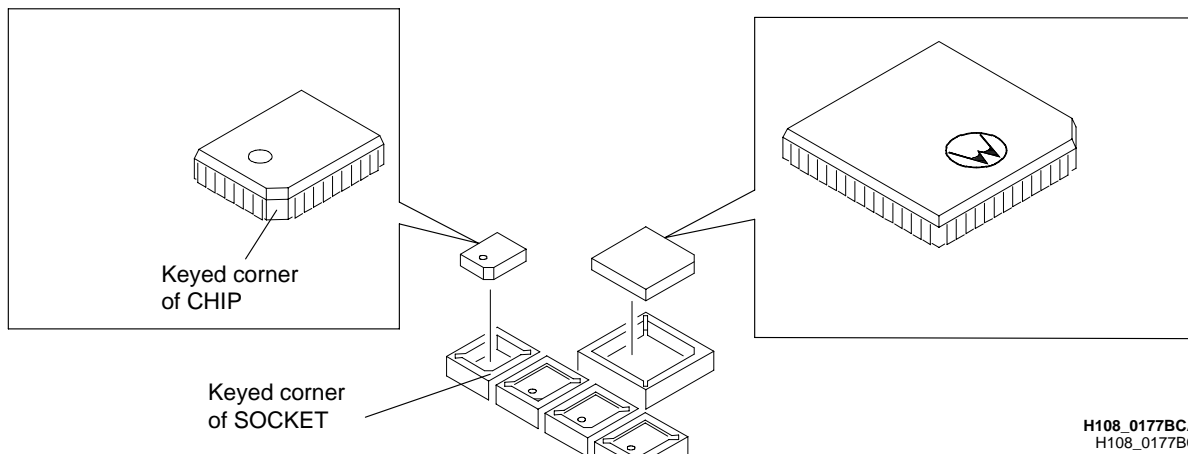
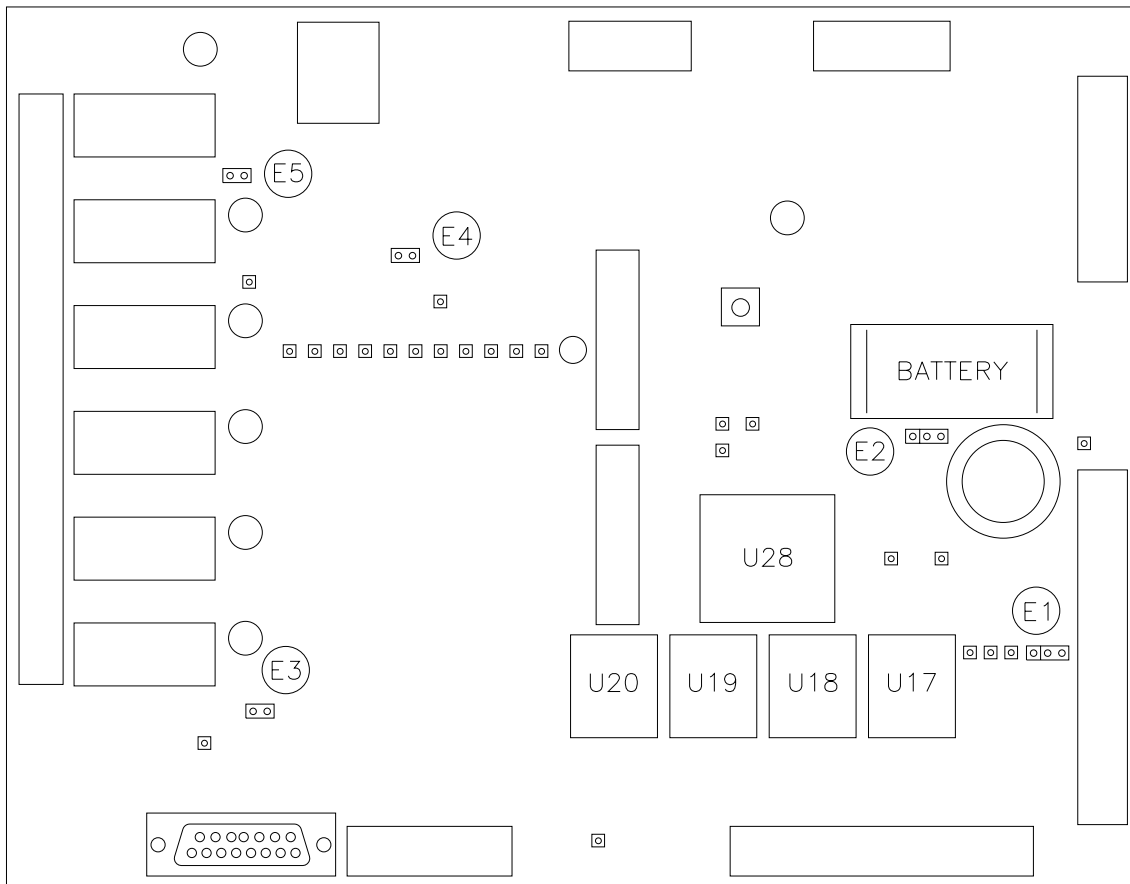


Figure 35 Orienting Chips into their Sockets

- [6] When the LANGUAGE CHIP is correctly positioned in the SOCKET, press the LANGUAGE CHIP down firmly with your thumb.
- [7] Do Steps ?? through ?? to remove and install LANGUAGE CHIP U18, the MAIN PROGRAM CHIP U19, and the BOOT STRAP CHIP U20.
- [8] Close the ELECTRICAL BOX. Install and tighten the SCREW securing the COVER of the ELECTRICAL BOX.
- [9] Install the RECEIVING-END ACCESS PANEL.

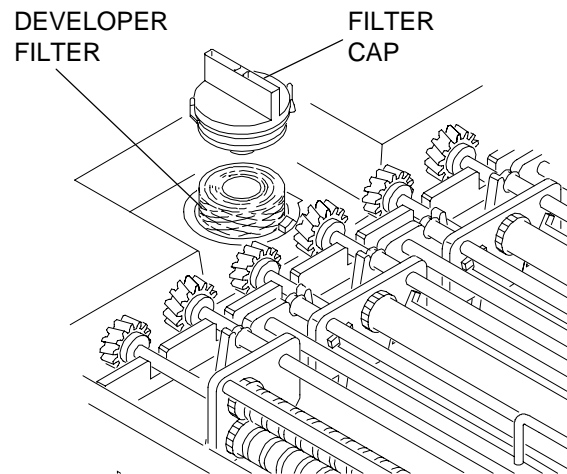


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Figure 36 Installing the Language Chips

Installing the Developer Filter

- [1] Remove the FILTER CAP and install the new DEVELOPER FILTER.
- [2] Install the FILTER CAP.



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H108_0068AA

Figure 37 Installing a New Developer Filter

Connecting the Drains

The processor is equipped to accommodate the separation of DEVELOPER, FIXER, and WATER effluent liquid. The processor is shipped from the factory with a separate FIXER OVERFLOW/TANK DRAIN, AUXILIARY FIXER TANK DRAIN, DEVELOPER OVERFLOW/TANK DRAIN, and AUXILIARY DEVELOPER TANK DRAIN. See Figure ??.

CAUTION

To prevent severe corrosion, do not use brass or copper piping. To prevent contamination from plumbing blockage, and to improve drainage, do not make solid drain connections to the DEVELOPER, FIXER, or WASH WATER drains.

- [1] Connect the three 1.9 cm ($\frac{3}{4}$ in.) tubes, that you unpacked from the RECEIVING BIN, to the DEVELOPER, FIXER, and WASH WATER DRAINS on the FEED END of the processor.
- [2] Route the tubing as required. Wash water waste can be routed directly to the BUILDING DRAIN. Do not make a solid connection between the WASH WATER DRAIN and the FLOOR DRAIN.

Connecting the Water

IMPORTANT

Before doing these steps, see the Site Specifications for information concerning water pressure and materials.

- [1] Install the plumbing to the WATER INLET.
- [2] Make sure that the 2 DRAIN VALVES are closed.

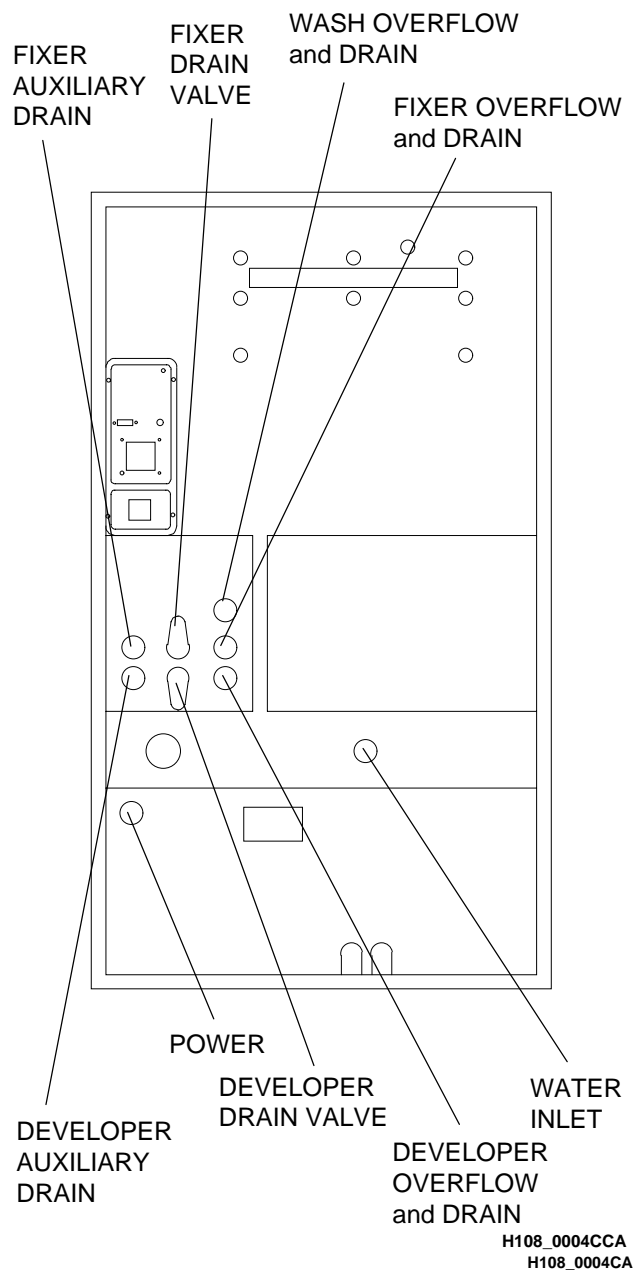


Figure 38 Making the Mechanical Connections

Connecting the Exhaust

- [1] Connect 7.6 cm (3 in.) ELBOWS and rigid DUCT or flexible EXHAUST HOSE between the processor EXHAUST PORT and the BUILDING EXHAUST DUCT.

NOTE

Do not make a solid connection at the BUILDING END. Do not connect the EXHAUST DUCT to the processor at this time.

- [2] Measure the static pressure in the DUCT using a modified J TUBE (CHECK TUBE 592380) and AIR METER TL-2431. Make the measurement 30.5 cm (12 in.) from the end of the DUCT to be connected to the processor.

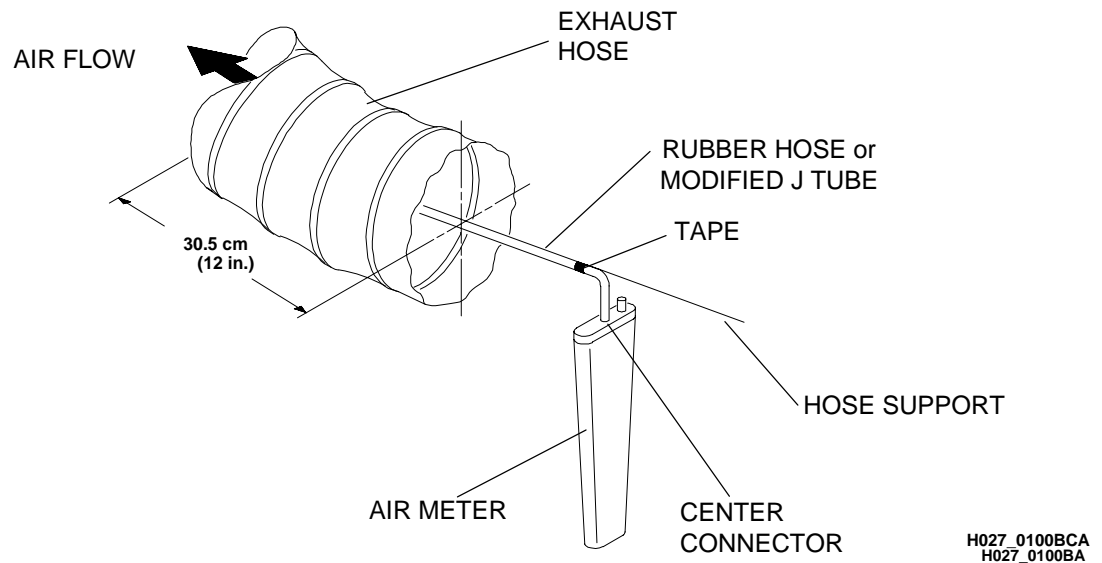


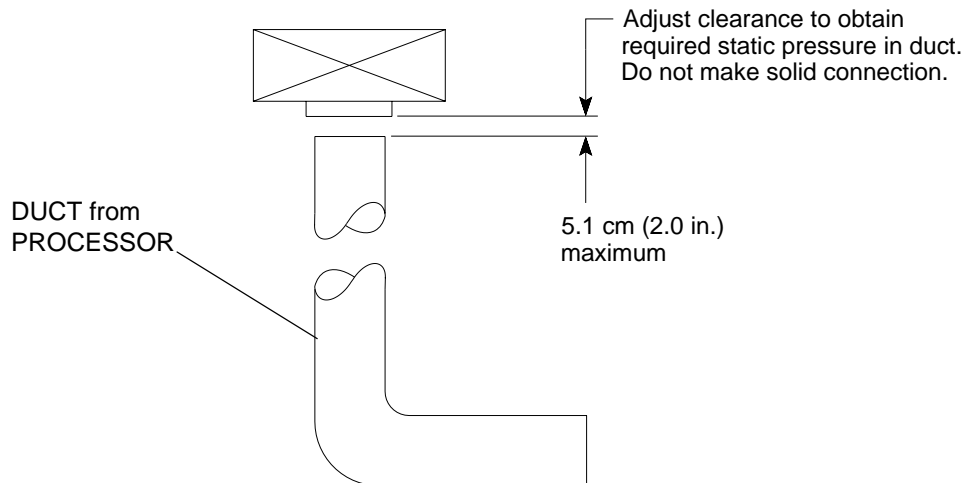
Figure 39 Measuring the Static Pressure

- [3] To obtain the correct static pressure, as shown in Table 1, adjust the clearance at the BUILDING END of the DUCT as illustrated.

Table 1 Static Pressures

Duct Diameter	Negative Static Pressure, (Water Head)	
	MIN	MAX
7.6 cm (3 in.)	0.76 mm (0.03 in.)	1.02 mm (0.04 in.)
10.2 cm (4 in.)	0.25 mm (0.01 in.)	0.51 mm (0.02 in.)

- [4] Connect the DUCT to the processor.



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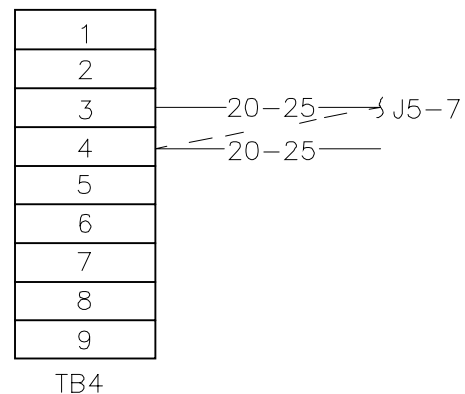
Figure 40 Connecting the Processor Exhaust to the Building Exhaust

Connecting the Exhaust Fan for Intermittent Operation

NOTE

The processor is shipped with the exhaust fan wired for continuous operation while the processor is energized. For the exhaust fan to operate intermittently, do the following:

- [1] Remove the RECEIVING-END ACCESS PANEL.
- [2] Open the ELECTRICAL BOX COVER.
- [3] Disconnect wire 20-25 from TB4-3 and connect it to TB4-4.
- [4] Close the ELECTRICAL BOX COVER.
- [5] Install the RECEIVING-END ACCESS PANEL.



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Figure 41 Wiring for Intermittent Operation of the Exhaust Fan

Installing the Grommets and Replenishment Tubes

CAUTION

To prevent contaminating the processor solutions, follow the instructions below to install the DEVELOPER REPLENISHMENT TUBE. After the DEVELOPER REPLENISHMENT TUBE is connected to the DEVELOPER REPLENISHMENT TANK, **then**, repeat the following procedure to install the FIXER REPLENISHMENT TUBE.

- [1]** Insert the REPLENISHMENT TUBE through one of the SLOTS in the FEED END of the processor. See Figure ??. (The tubing is not supplied.)

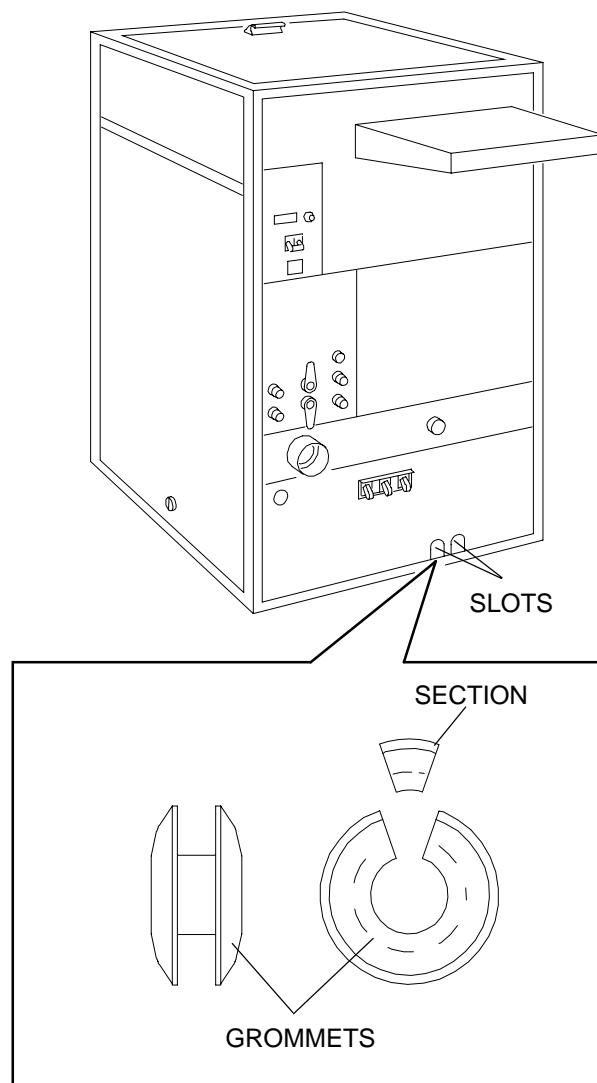
NOTE

Only thick walled TUBING will withstand the high suction of the REPLENISHER PUMPS.

NOTE

REPLENISHMENT TUBES may instead be inserted into the holes in the bottom of the processor. For further details, see the procedure on page ??.

- [2] Install a GROMMET onto the REPLENISHMENT TUBE. If necessary, remove a section of the GROMMET.
- [3] Compress the GROMMET and fit it into the SLOT.



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Figure 42 Installing the Grommets Into the Slots

Installing the Replenishment Tubes Through Alternate Inlets

CAUTION

To prevent contaminating the processor solutions, follow the instructions below to install the DEVELOPER REPLENISHMENT TUBE. After the DEVELOPER REPLENISHMENT TUBE is connected to the DEVELOPER REPLENISHMENT TANK, **then**, repeat the following procedure to install the FIXER REPLENISHMENT TUBE.

- [1] Insert the REPLENISHMENT TUBE through one of the HOLES in the BOTTOM of the processor. (The tubing is not supplied.)

NOTE

Only thick walled TUBING will withstand the high suction of the REPLENISHER PUMPS.

- [2] Install a GROMMET onto the REPLENISHMENT TUBE. If necessary, remove a section of the GROMMET.
- [3] Compress the GROMMET and fit it into the HOLE in the BOTTOM of the processor.

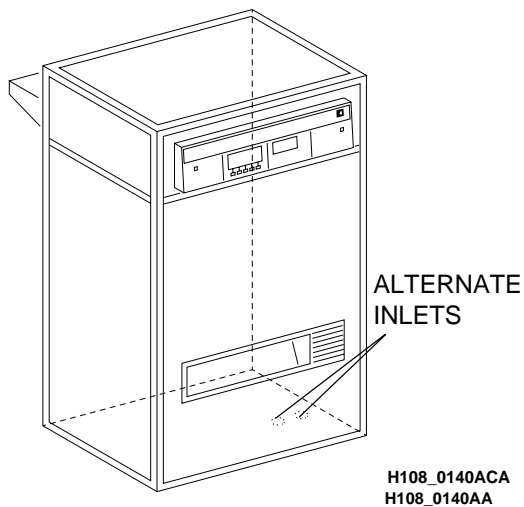


Figure 43 Using the Alternate Inlets for the Replenishment Tubes

Connecting the Replenishment Tanks

- [1] Install one end of the STRAINER onto the TUBING leading from the REPLENISHMENT TANK.
- [2] Install the other end of the STRAINER to the TUBING leading into the processor.
- [3] Connect the TUBING from the INLET on the REPLENISHER PUMP ASSEMBLY to the REPLENISHMENT TANK.

IMPORTANT

Since this processor has very high pumping rates, make sure the tubing is straight and not kinked.

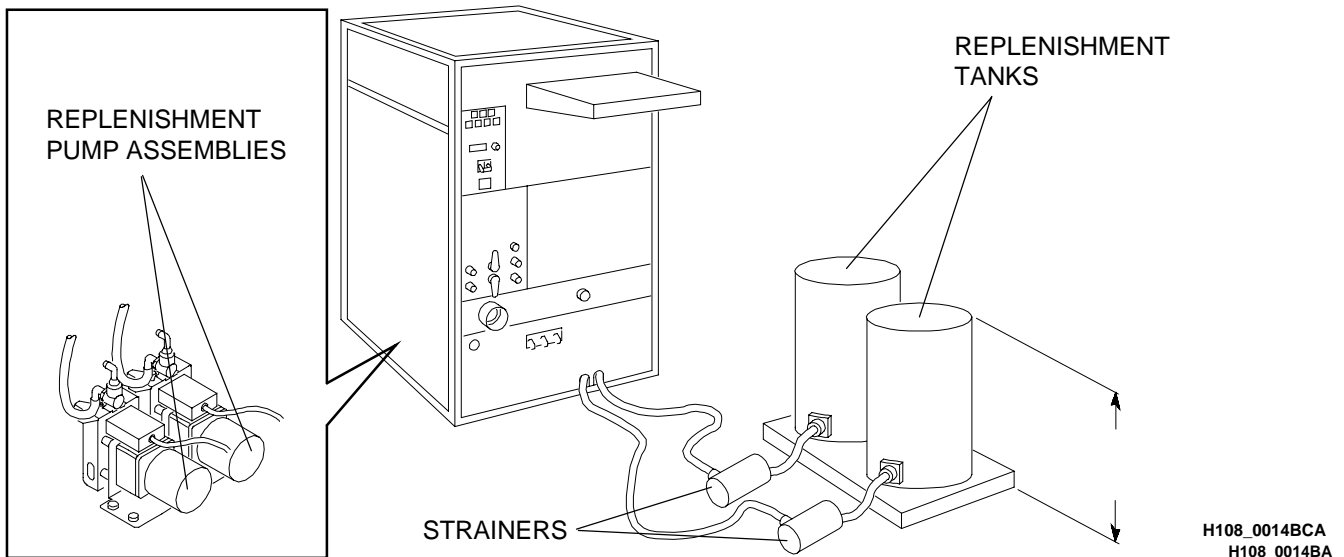


Figure 44 Installing the Replenishment Tubing

After following the above procedures for the installation of the DEVELOPER REPLENISHMENT TUBE, repeat the above procedures for the installation of the FIXER REPLENISHMENT TUBE.

Final Check-Out

Setting Up Initial Operating Parameters

Below are a few questions regarding your custom needs of the *Kodak X-Omat* Processor. These questions are designed to help you determine your initial set-up operating parameters. Over a period of time, you may wish to revise these operating conditions; the processor has extensive built-in capabilities that allow easy adaptations to your changing needs. For now however, record your current operating needs to determine the best initial set-up of parameters to meet your daily operating requirements.

- [1]** Approximately how many sheets of film will the processor be processing daily?

This data helps determine the Replenishment Mode initial setting. Contact your *Kodak* representative for assistance in selecting the Replenishment Mode.

- [2]** Will the processor be operating at the K/RA cycle speed?

If the processor will be operating at the K/RA cycle, RA chemistry is required for the set up of the replenishment tanks.

- [3]** Will the processor be connected to another piece of equipment for either input or output, or will it be a stand alone unit?

This factor determines whether the Safelight Receptacle Mode is set for Safelight or Accessory. If your processor is connected to a 200 V ac Single Line, 100/200 V ac 3 Wire, or a 200 V ac Split Load (Delta) Electrical Service, see Newsletter Number 6 for information about installing a jumper.

- [4]** Which language do you prefer for the display messages?

Available languages include: Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Norwegian, Portuguese, Spanish, and Swedish. (Japanese is available on a separate chip set).

- [5]** Do you prefer the temperature and transport speed display units to be metric (centigrade and cm/min) or english (fahrenheit and in./min)?

- [6]** During Standby, do you prefer that the transport rollers run continually or at intervals?

The Continuous Mode drives the transport system at a low speed (34 in./min.). This continuous movement prevents the rollers from drying out and helps eliminate film artifacts. The Interval Mode drives the rollers only periodically.

For further guidance in the selection of processor options, refer to the Operator Manual.

Now, continue with the System Check-out procedure that follows.

System Check-Out

IMPORTANT

The following procedure must be performed by a qualified service person after the processor installation is complete.

For this procedure all ACCESS PANELS including the TOP COVER must be removed from the processor. See Figures ?? through ?? on page ?? for ACCESS PANEL locations.

Blower Motor Check

- [1] Remove the BLOWER MOTOR COVER. Check that the BLOWER MOTOR PULLEY is in the correct position for your operating conditions (50 Hz operation or 60 Hz operation).

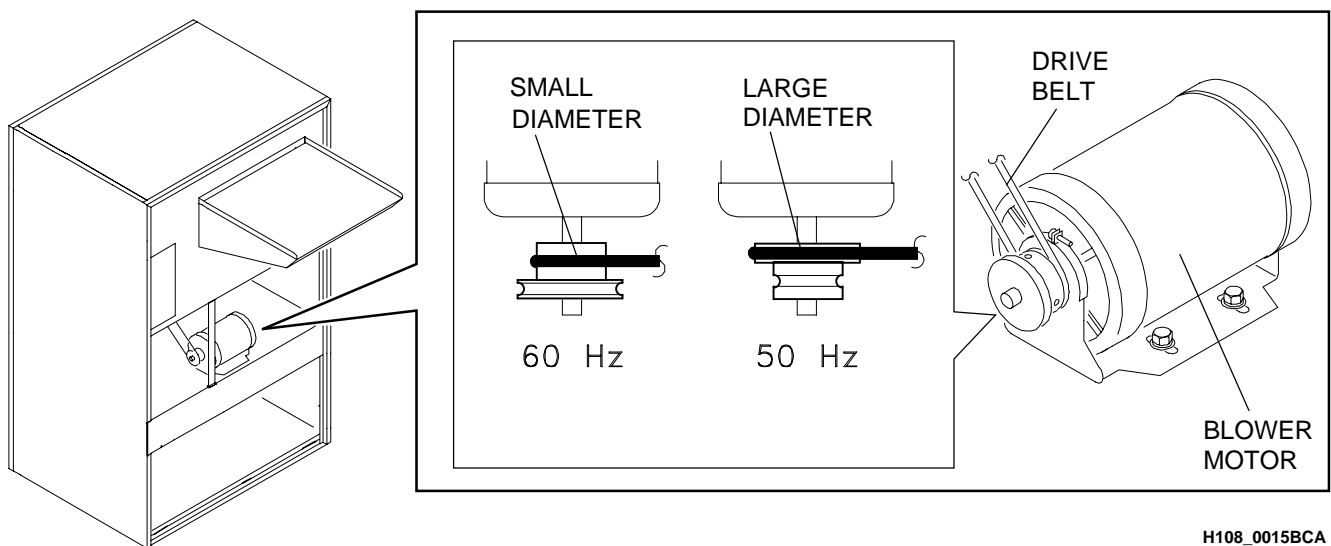
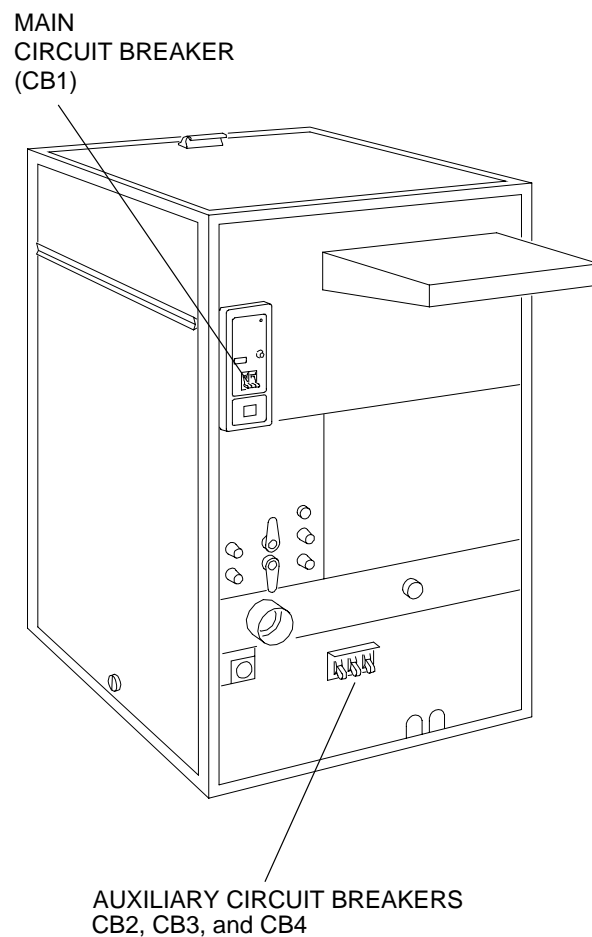


Figure 45 50 and 60 Hertz Blower Motor Operation

- [2] Check that the BLOWER DRIVE BELT is straight.
- [3] Install the BLOWER MOTOR COVER.

Leak Check

- [1] Using either buckets of water or a hose, fill the DEVELOPER, FIXER, and WASH TANKS to the overflow level with water.
- [2] To provide for conduction of the SOLUTION LEVEL SENSORS—
 - (a) Add 3 ounces of DEVELOPER to the DEVELOPER REPLENISHMENT TANK.
 - (b) Add 3 ounces of FIXER to the FIXER REPLENISHMENT TANK.
- [3] Move the MAIN CIRCUIT BREAKER, CB1, to the “I” position.
- [4] Move AUXILIARY CIRCUIT BREAKERS CB2, CB3, and CB4 to the “I” position.



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Figure 46 Location of Circuit Breakers

- [5] Check the processor for leaks in the following areas:
 - (a) RECIRCULATION PUMP FITTINGS
 - (b) REPLENISHER PUMP CHECK VALVES
 - (c) TANK FITTINGS
 - (d) THERMOWELL ASSEMBLIES
 - (e) PLUMBING FIXTURES
 - (f) DRAIN VALVES
- [6] Check that the OVERFLOW HOSES are draining water from the TANKS.
- [7] Check that the DEVELOPER REPLENISHMENT HOSE and the FIXER REPLENISHMENT HOSE are connected to the correct plumbing fittings.
- [8] Check that the correct REPLENISHER PUMP is operating.

Miscellaneous Components Check

- [1] Install the TOP COVER of the processor.
- [2] Check that the—
 - (a) DRYER BLOWER MOTOR operates
 - (b) WATER SOLENOID operates (Listen for the sound of water entering into the processor.)
 - (c) EXHAUST FAN operates.

Display Panel Check

- [1] Check that the green “Ready” light on the DISPLAY PANEL illuminates after the processor has been allowed to warm-up for approximately 15 minutes at 26°C (72°F) ambient conditions and 26°C (72°F) water temperature.
- [2] Check that the DEVELOPER temperature illuminated on the DISPLAY PANEL is in the operating range between 35° and 38.3°C (95° and 101°F).

Transport Check

- [1] Feed one sheet of **processed** 14x17 cm film into the processor to verify that the TRANSPORT SYSTEM and the REPLENISHER PUMP operate correctly.

Final Steps

- [1] Deenergize the processor by moving the MAIN CIRCUIT BREAKER, CB1, to the “O” position.
- [2] Drain the TANKS of water by opening the 2 DRAIN VALVES on the FEED END of the processor.
- [3] Close both DRAIN VALVES.
- [4] Install the 6 ACCESS PANELS.

IMPORTANT

After the processor has been in regular use for 1 or 2 days, again check all fittings for leaks. Tighten loose connections as necessary.

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