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Installation Instructions for the Chemical Mixer Kits for the *Kodak* AUTOMIXER III PLUS

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Warning

To avoid hazardous conditions, keep floors and floor coverings around your *Kodak X-Omat* Processors 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 *Kodak 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.

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

Important

Use qualified personnel to service the AUTOMIXER III PLUS.

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Section 1: Service Overview

Parts List

Description	RA	RP	EuropeanRP	D1/F1	Qty
CHEMICAL MIXER KIT includes:	9B8886	9B8887	9B8885	9B8884	1
DEVELOPER NEST	8B6764	8B6764	8B6764	8B6754	1
FIXER NEST	8B6767	8B6767	8B6767	8B6755	1
KNIVES/COUPLING	8B6751	8B6751	8B6751	8B6751	AR##AR = As Required.##
DEVELOPER TEMPLATE	8B6778	8B6768	8B6769	8B6761	1
FIXER TEMPLATE	8B6779	8B6765	8B6766	8B6763	1
DEVELOPER FLOAT	1C7802	1C7802	1C7802	1C7802	1
FIXER FLOAT	1C4907	1C7803	1C7803	1C7803	1
SCREWS	852682	852682	852682	852682	4
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Electrostatic Discharge

Overview

ESD--electrostatic discharge--is a primary source of:

- product downtime
- lost 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 make certain 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.

Section 2: Installing the Chemical Mixer Kit

Installing the SPECIFIC GRAVITY FLOATS

[1] De-energize the PROCESSOR.

[2] Turn off the incoming water supply.

[3] Disconnect the AUTOMIXER.

[4] Open the 2 DRAWERS.

[5] For each DRAWER:

- **(a)** press the SLIDE LOCKS
- **(b)** remove the DRAWER

[6] Open the FRONT PANEL and disconnect the 2 CONNECTORS P/J5 and P/J8.

[7] Remove:

- FRONT PANEL
- BACK PANEL
- 2 SIDE PANELS

Warning

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

[8] Move the DRAIN VALVE ↶ to open the DRAIN.

[9] Allow the REPLENISHMENT TANK to drain completely.

[10] Move the DRAIN VALVE ↷ to close the DRAIN.

[11] Disconnect:

- DRAIN HOSE
- REPLENISHMENT HOSE

[12] Disconnect:

CONNECTOR	Developer	Fixer
FLOAT SWITCH	P/J9	P/J3
LIQUID LEVEL SENSOR	P/J10	P/J2
SUBMERSIBLE PUMP	P/J12	P/J4

[13] Remove:

- REPLENISHMENT TANK
- TANK COVER
- FLOATING LID

Caution

- The SWITCH HINGE PINS break easily. If the SPECIFIC GRAVITY FLOATS are not installed correctly, damage to the SWITCH HINGE PINS can occur.
- Do not move the AUTOMIXER with the SPECIFIC GRAVITY FLOATS installed.

[14] Carefully remove the SPECIFIC GRAVITY FLOAT from the SWITCH HINGE PINS.

[15] Holding the new SPECIFIC GRAVITY FLOAT parallel to the floor of the REPLENISHMENT TANK, engage the SPECIFIC GRAVITY FLOAT on one SWITCH HINGE PIN.

[16] Rotate the SPECIFIC GRAVITY FLOAT carefully until it engages with the other SWITCH HINGE PIN.

[17] Install:

- FLOATING LID
- TANK COVER

[18] Connect:

- DRAIN HOSE
- REPLENISHMENT HOSE

[19] Connect:

CONNECTOR	Developer	Fixer
FLOAT SWITCH	P/J9	P/J3
LIQUID LEVEL SENSOR	P/J10	P/J2
SUBMERSIBLE PUMP	P/J12	P/J4

[20] Install the REPLENISHMENT TANK.

[21] Check that the 2 DRAIN VALVES are closed.

[22] Connect the AUTOMIXER.

[23] Turn on the incoming water supply.

[24] Energize the PROCESSOR.

[25] Move the SERVICE SWITCH to the left to allow 7.6 cm (3.0 in.) of water to enter into the Developer REPLENISHMENT TANK.

[26] Move the SERVICE SWITCH to the right to allow 7.6 cm (3.0 in.) of water to enter into the Fixer REPLENISHMENT TANK.

Installing the KNIVES, NEST, and TEMPLATE

[1] Remove:

- 4 SCREWS
- TEMPLATE
- NEST
- KNIVES

Note

See the figure for the correct configuration of the DRAWERS.

[2] Install for each DRAWER:

- KNIVES
- NEST
- TEMPLATE
- 4 SCREWS

[3] Install:

- 2 SIDE PANELS
- BACK PANEL
- FRONT PANEL and connect the 2 CONNECTORS P/J5 and P/J8
- 2 DRAWERS

[4] Check the adjustment for the SPECIFIC GRAVITY FLOAT.

Adjusting the SPECIFIC GRAVITY FLOAT

To check:

Adjustment Specification

H115_0008GCA
H115_0008GA

Tools: HYDROMETER KIT IC7806

Important

The following specifications are for the developer and fixer solutions at 21˚C (70˚F).

[1] Fill the GRADUATED CYLINDER 3/4 full with the newly mixed solution.

[2] Place the GRADUATED CYLINDER on a flat surface.

[3] Insert the HYDROMETER into the GRADUATED CYLINDER.

[4] Carefully hit the side of the GRADUATED CYLINDER to release any air bubbles from the HYDROMETER.

[5] Check that the HYDROMETER reads the correct specific gravity:

SPECIFIC GRAVITY FLOAT	CHEMICAL SOLUTION	SPECIFIC GRAVITY
D-RP	RP Developer	1.085 0.005
D-RA	RA Developer	1.100 0.005
F-RP-LO	RP LO Fixer	1.085 0.005
F-RA	RA Fixer	1.065 0.005

To adjust:

H115_0019ACC
H115_0019AA

[1] To increase or decrease the specific gravity of the solution:

- **(a)** Loosen the ADJUSTMENT SCREW.
- **(b)** Move the ADJUSTMENT SCREW.
- **(c)** Tighten the ADJUSTMENT SCREW.

Section 3: Publication History

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