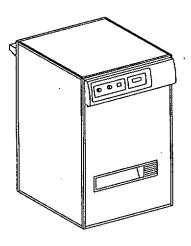
Diagnostics



Pûblication Part No. 981079 January 1993



MODAK INDUSTREM B 2000 Processia



HEALTH SCIENCES

PLEASE NOTE

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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.

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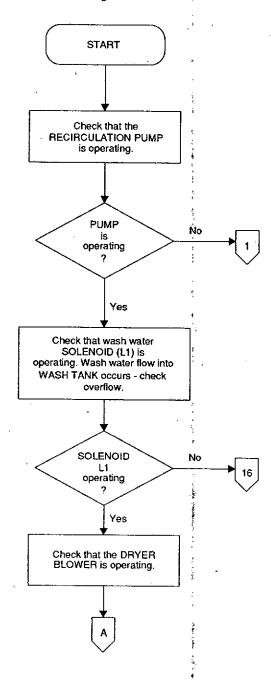
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Cycle of Operation

Overview

Conditions:

- · The processor is energized.
- · The Flooded Replenishment Mode is set to "OFF".
- The Dryer is at the correct operating temperature.
- · Water flow into the processor is occurring.

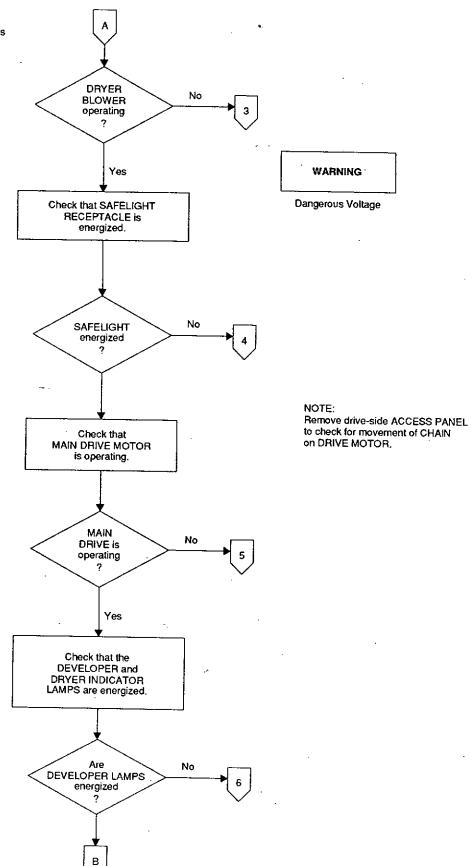


Cycle of Operation

H136_9005DC

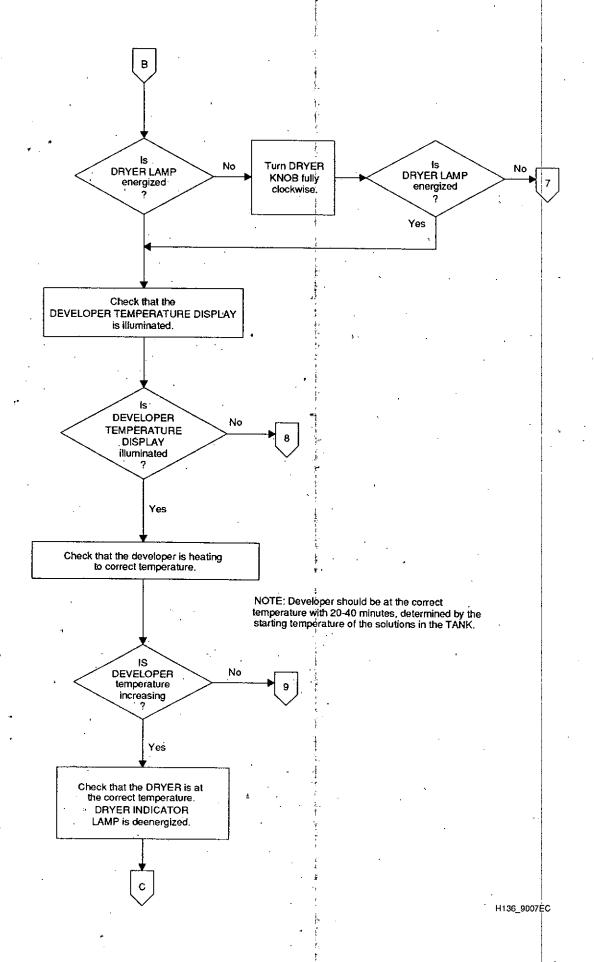
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NOTE: After approximately 6 seconds check that the following are operating:

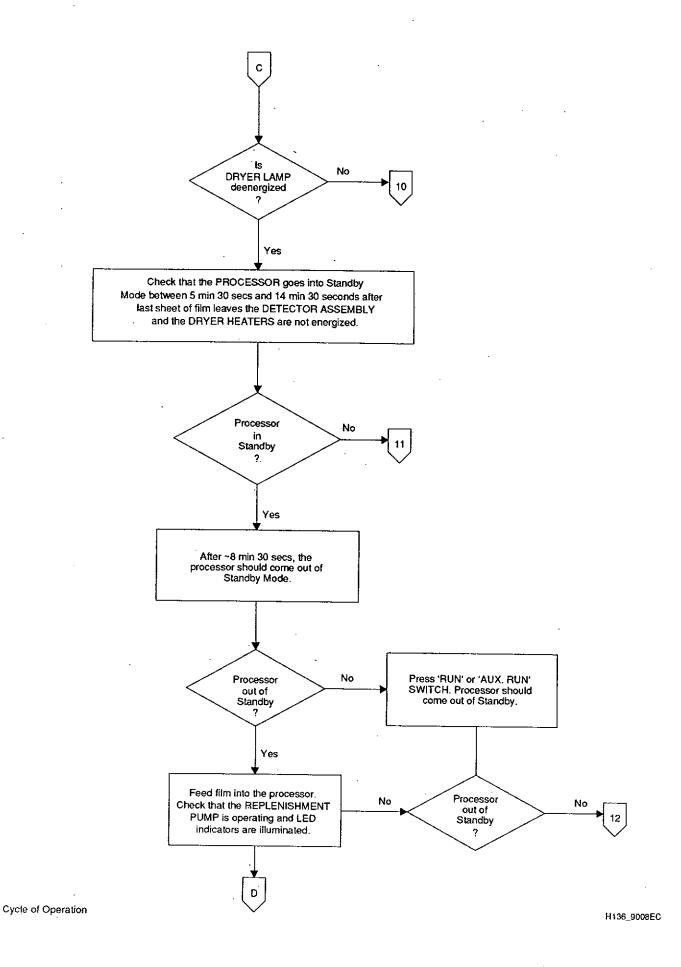


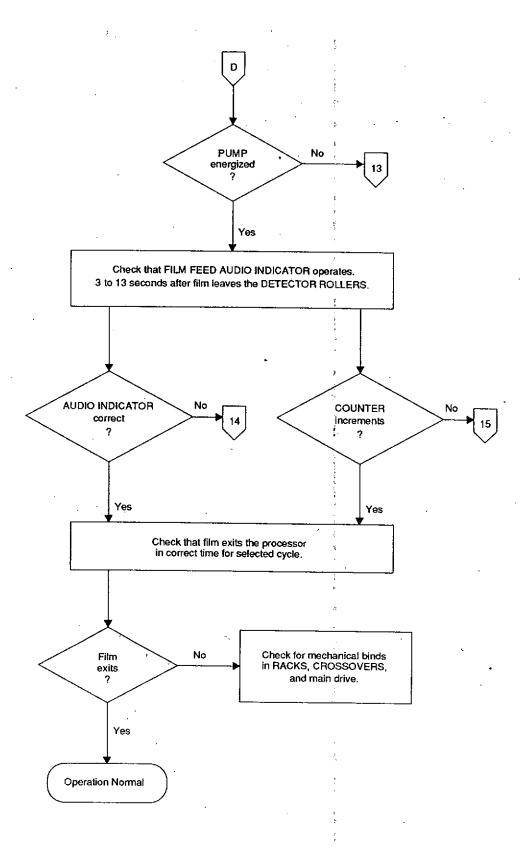
Cycle of Operation

H136_9006EC



Cycle of Operation





Cycle of Operation

THE PROPERTY OF

H136_9009EC

No. 1 No Recirculation - Recirculation Pump B3 is not operating.

Condition:

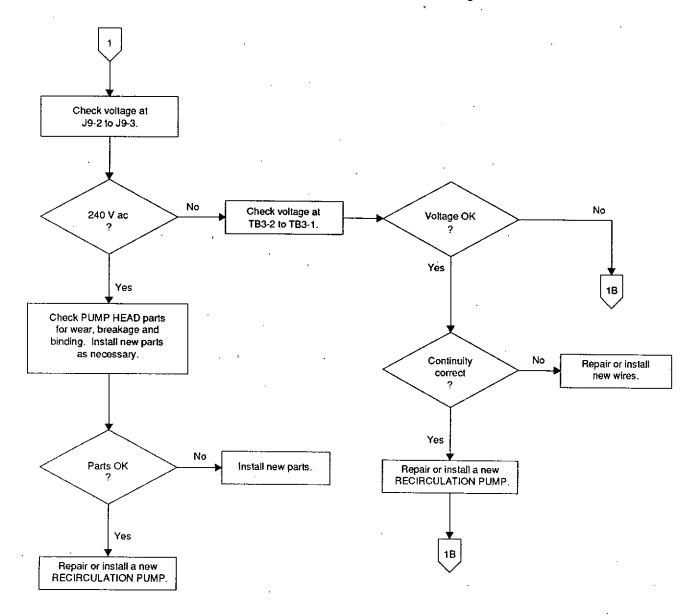
- · All components are operating correctly except the Recirculation Pump B3.
- The Connector P/J9 is connected correctly.

WARNING

Dangerous Voltage

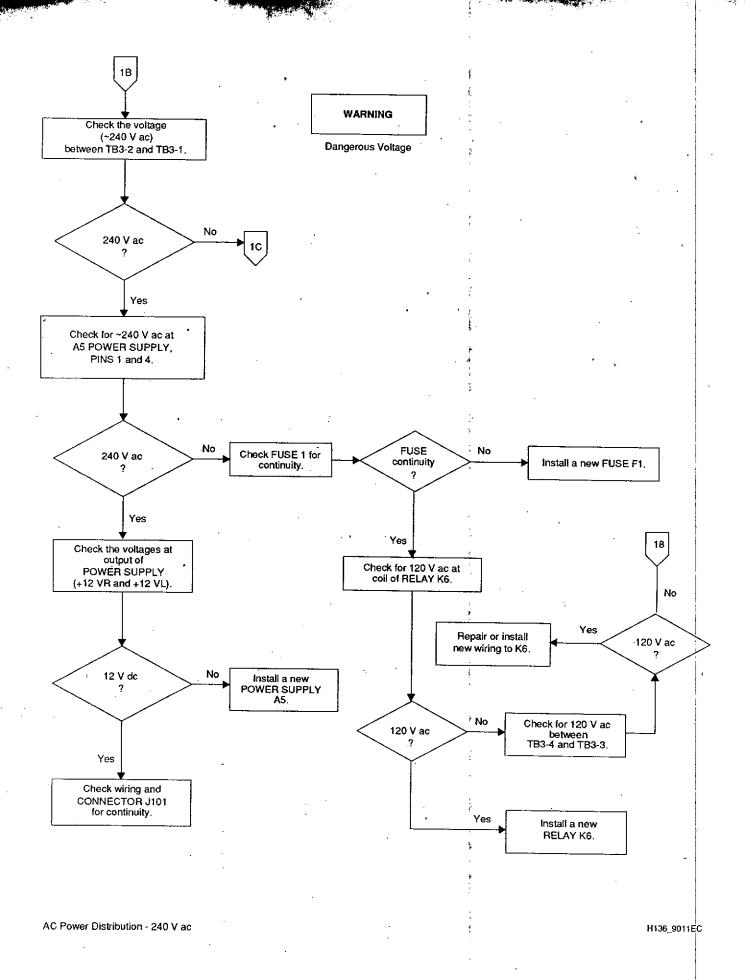


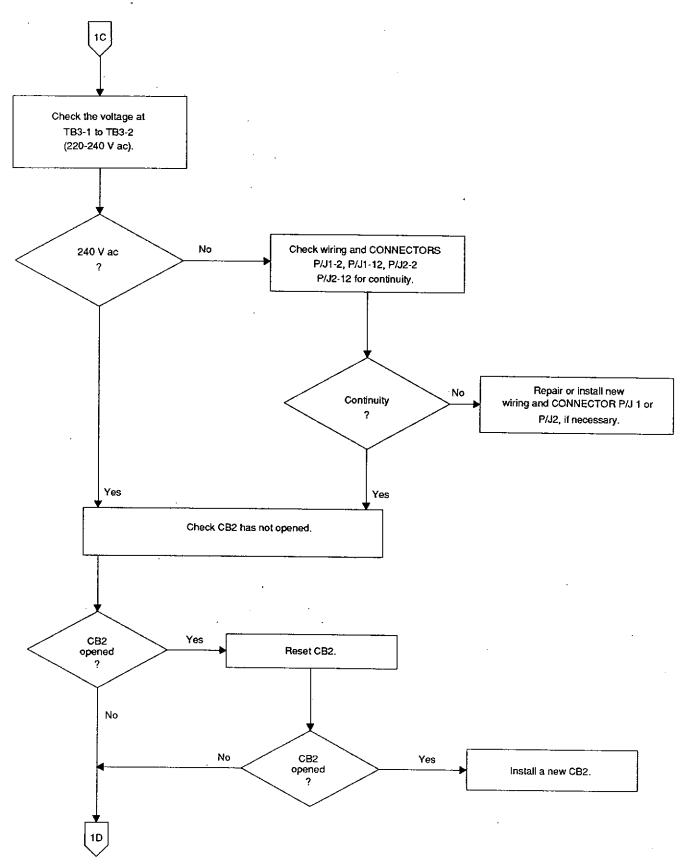
Possible damage from electrostatic discharge.



No Recirculation

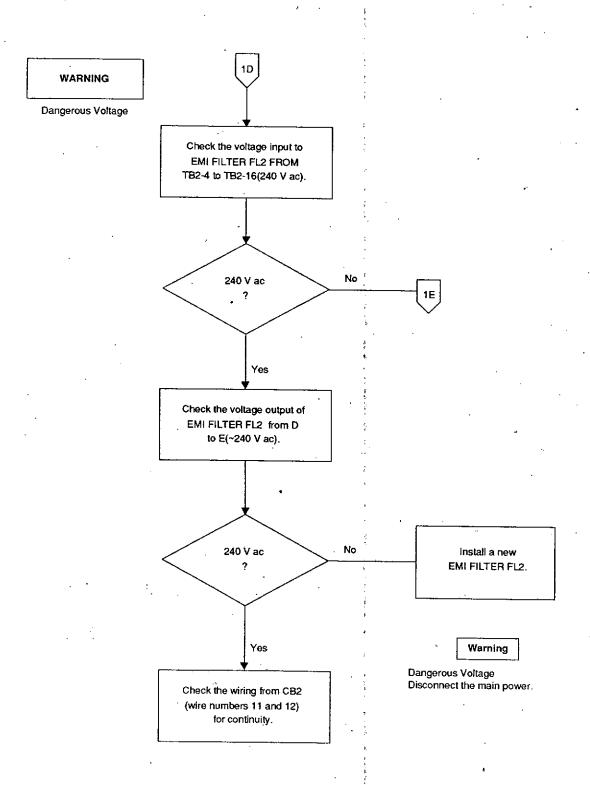
H136_9010DC





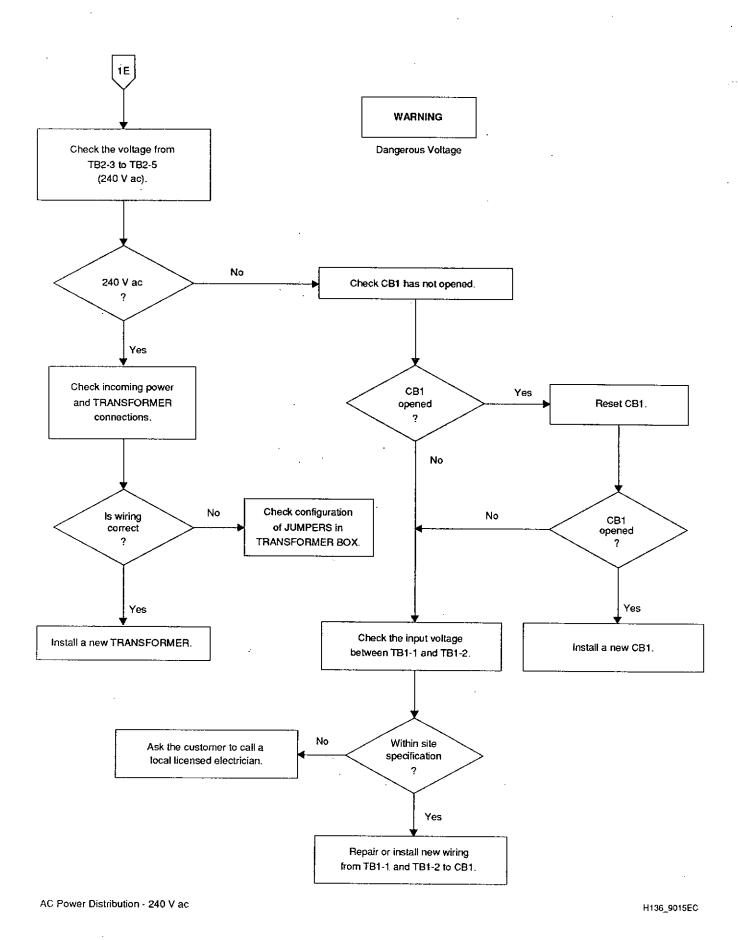
AC Power Distribution - 240 V ac

H136_9013EC



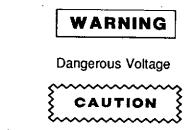
AC Power Distribution - 240 V ac

H136_9014EC

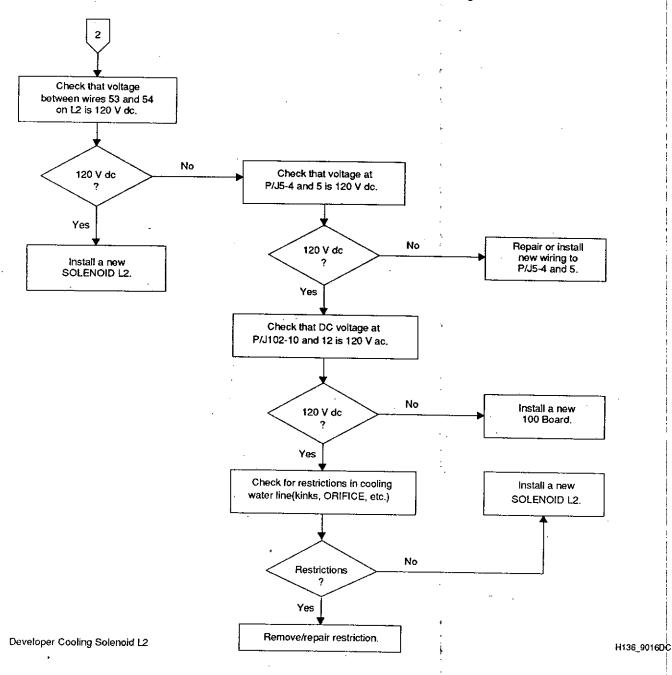


No. 2 Developer Cooling Solenoid L2 is not Operating

Condition: The water supply is turned on and the Wash Tank is full of water.



Possible damage from electrostatic discharge.



No. 3 Dryer Blower B1 is not Operating

Condition:

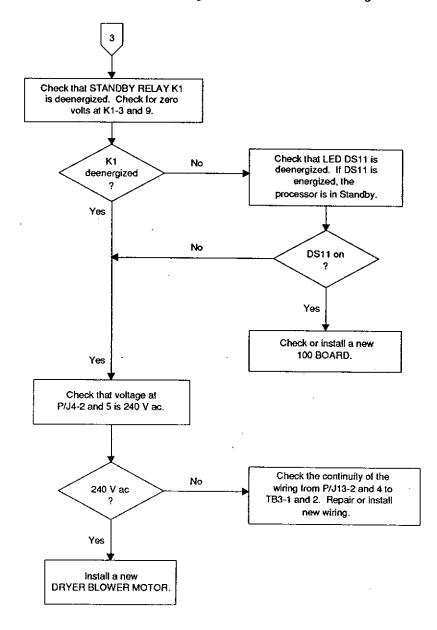
- · The processor is not in "Standby" Mode.
- · The Connector P/J13 is connected correctly.

WARNING

Dangerous Voltage



Possible damage from electrostatic discharge.



Dryer Blower B1

H136_9017DC

No. 4 Safelight is not Energized

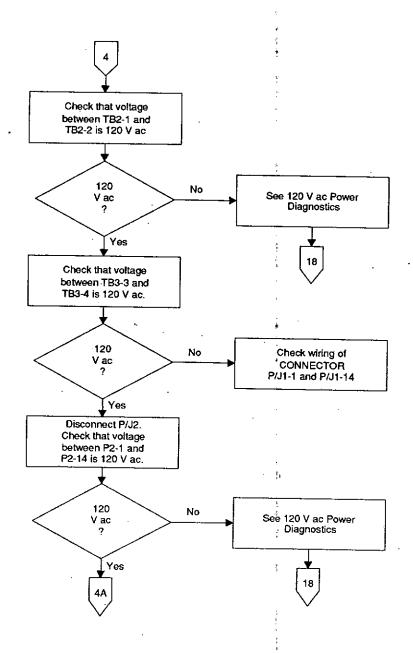
Condition: The Detector Switches are adjusted correctly and film is not feeding.

WARNING

Dangerous Voltage

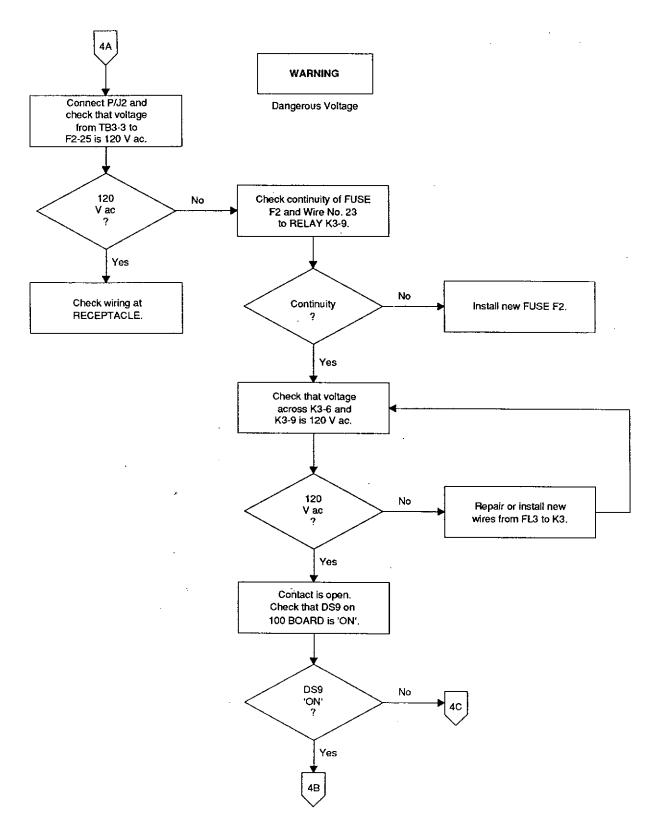


Possible damage from electrostatic discharge.



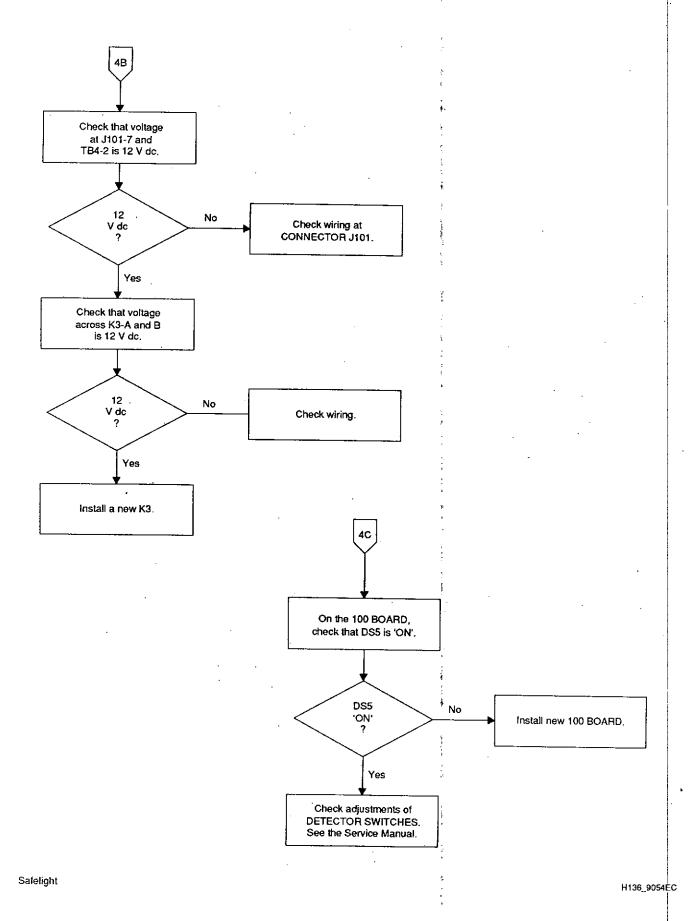
Safelight

H136_9052DC



Safelight

H136_9053EC

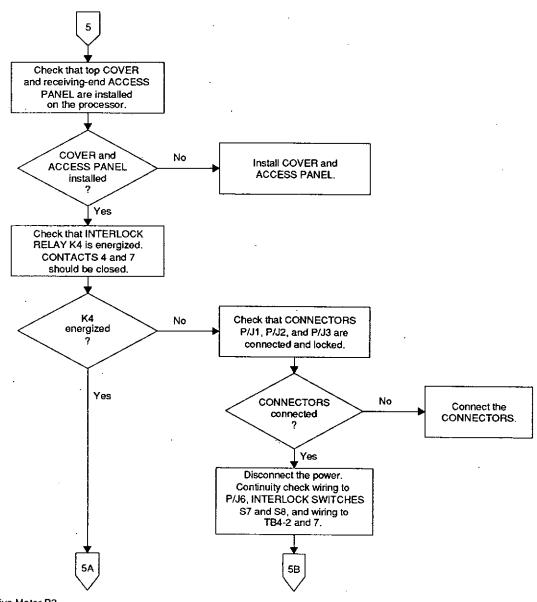


No. 5 Main Drive Motor B2 is not Operating

Condition: The processor is in "Bypassed" mode.

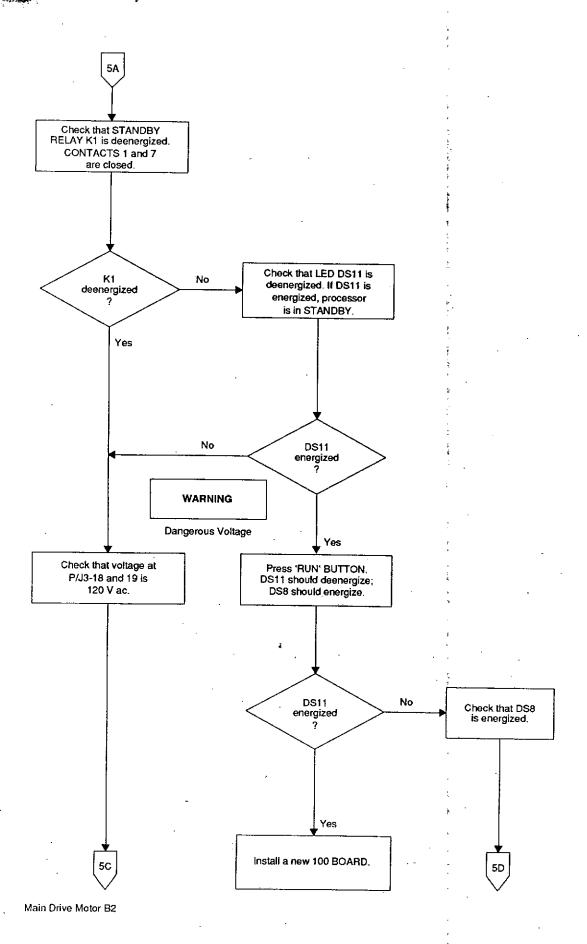


Possible damage from electrostatic discharge.



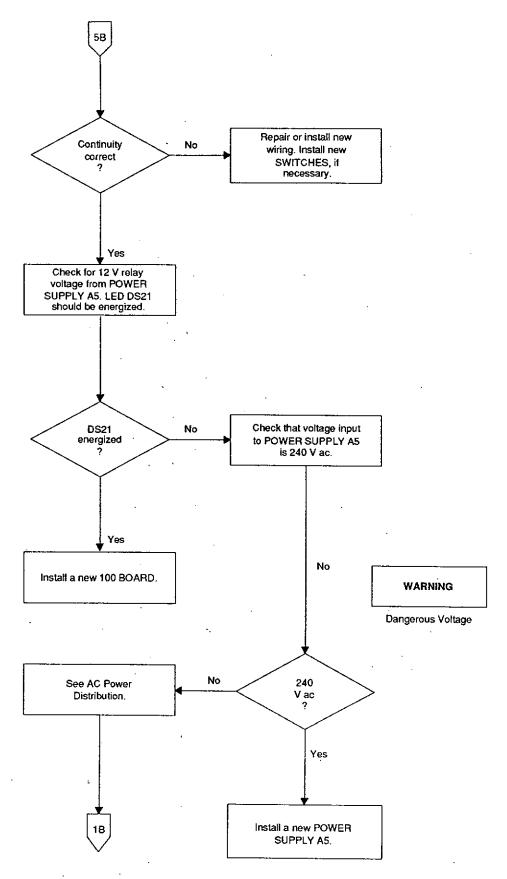
Main Drive Motor B2

H136_9055DC



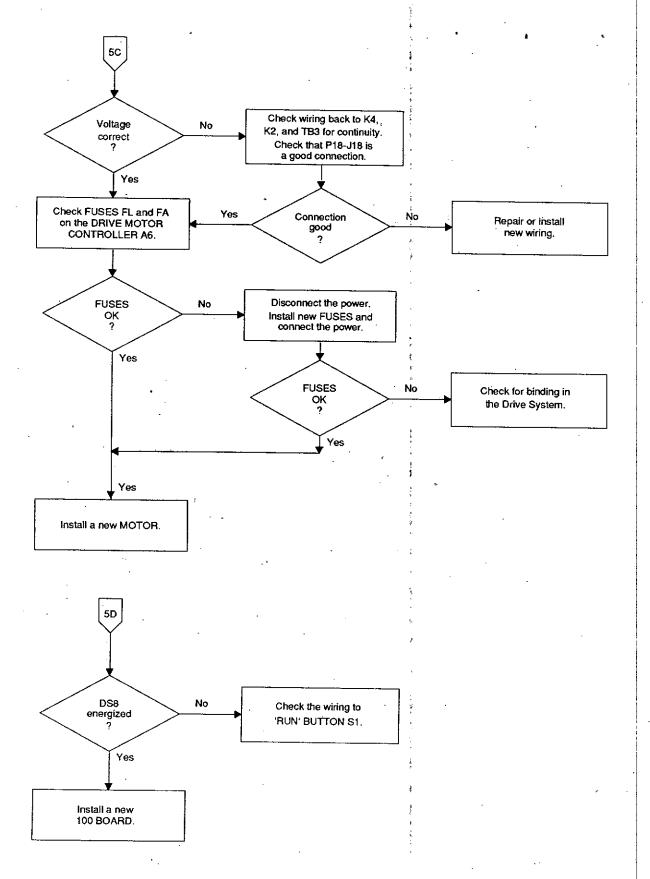
Carried Street

H136_9056EC



Main Drive Motor B2

H136_9057EC



Main Drive Motor B2

H136_9058EC

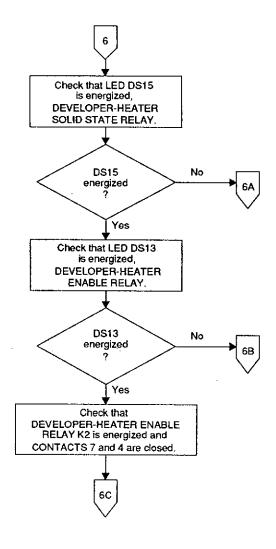
No. 6 Developer LEDs DS5 (300 Bd) or DS6 (400 Bd) are Deenergized

Condition:

- · The Developer LEDs are not illuminated.
- The Connectors P/J1,2,3 and P/J8 are connected and locked.
- · The Solid-State Relay is not energized.

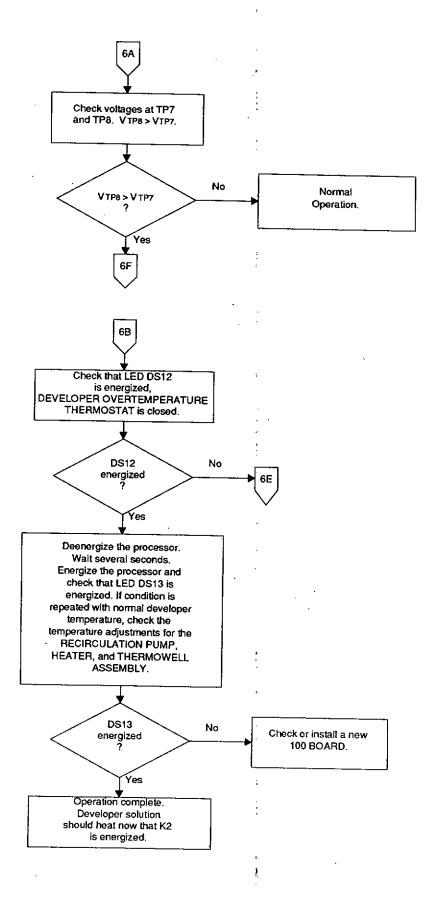


Possible damage from electrostatic discharge.

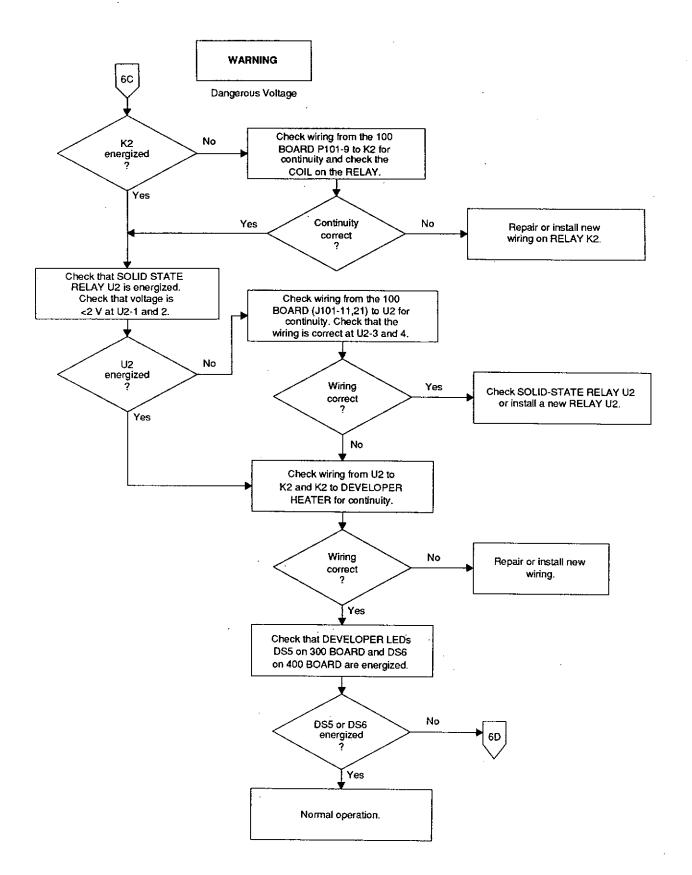


Developer LEDs DS5 and DS6

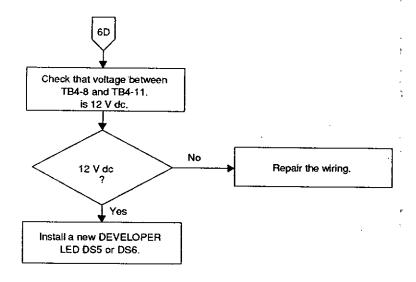
H136_9059DC

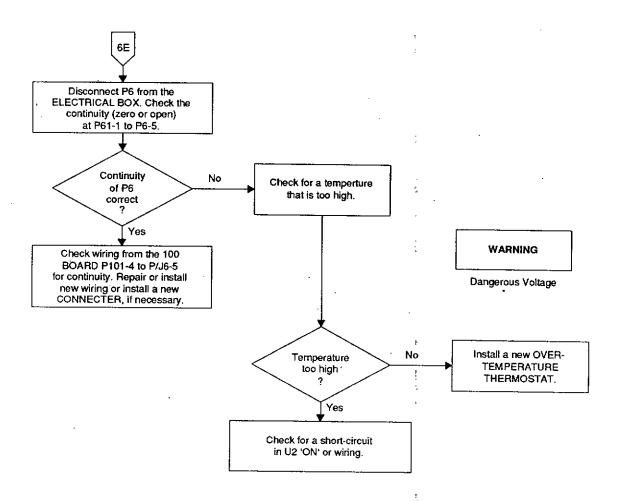


H136_9060EC



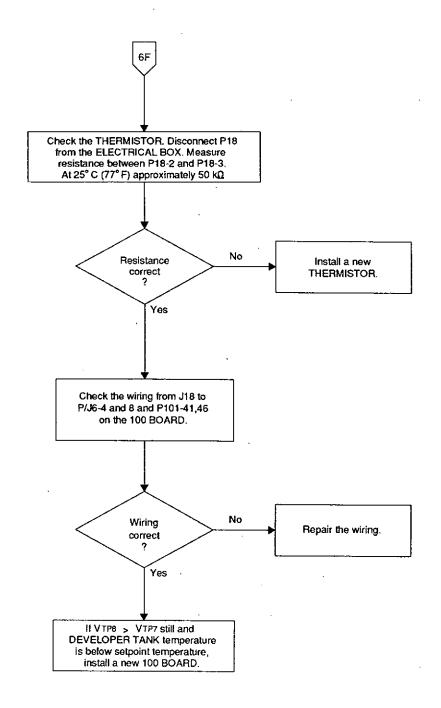
H136_9061EC





H136_9062EC

· 产量扩充分



H136_9063EC

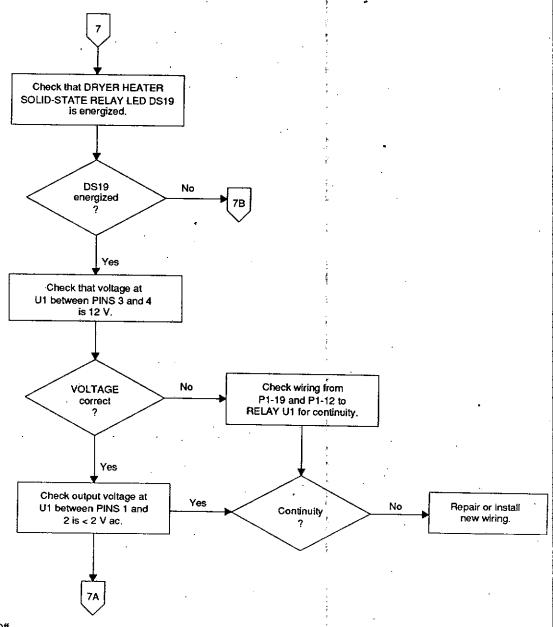
No. 7 Dryer Lamp DS5 is Deenergized

Assumption: Dryer temperature is below setpoint.

Condition: The Connectors P/J1,2,4 and P/J14 are connected and locked.

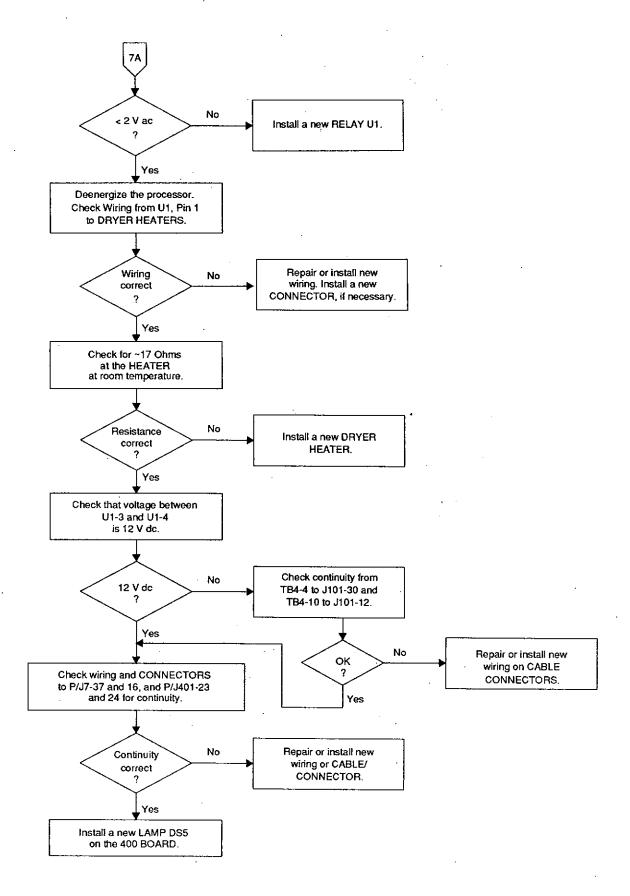


Possible damage from electrostatic discharge.



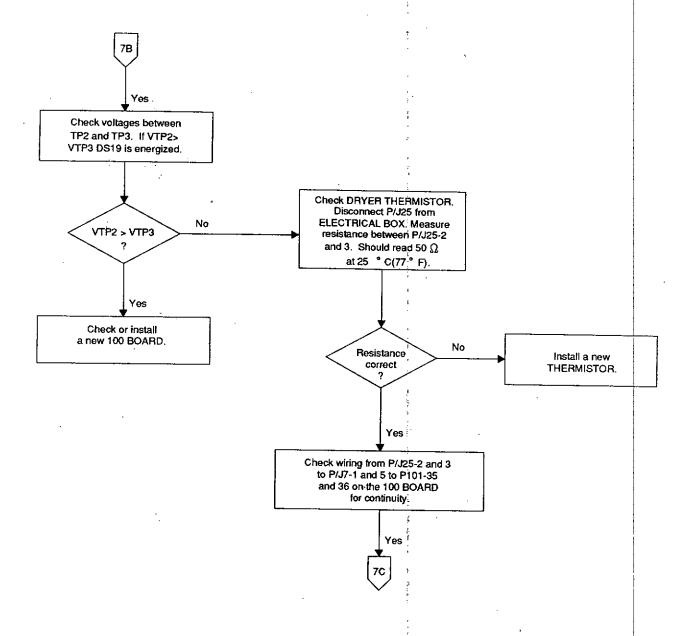
Dryer Lamp DS5 is Off

H136_9021DC



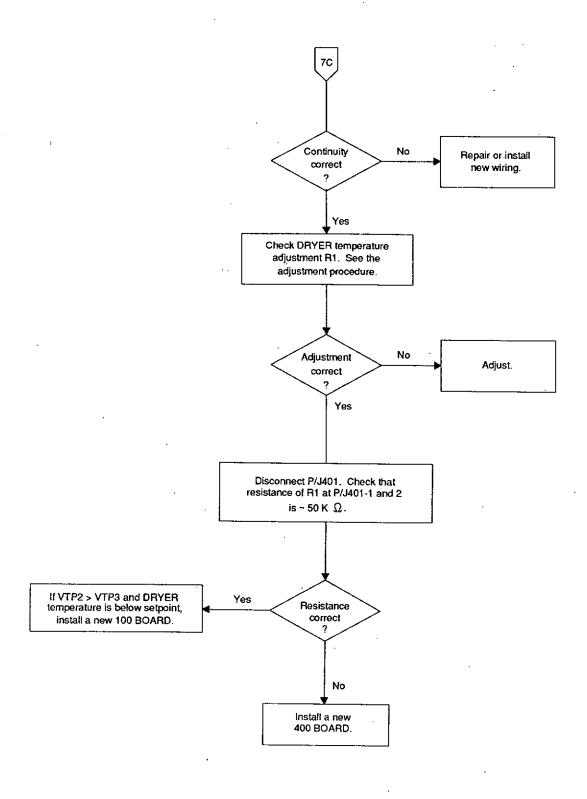
Dryer Lamp DS5 is Off

H136_9022EC



Dryer Lamp DS5 is Off

H136_9023EC



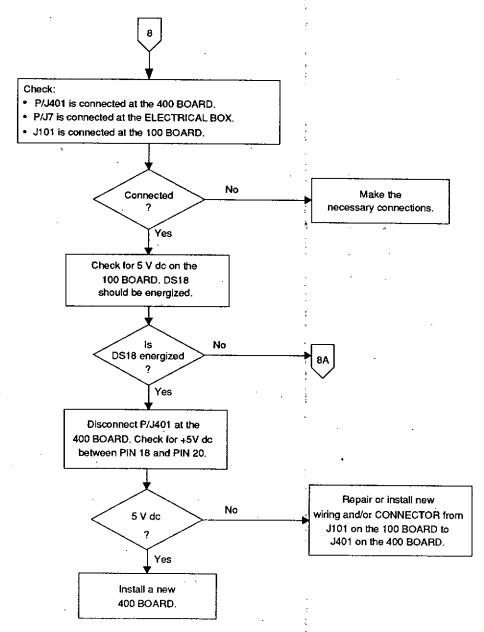
Dryer Lamp DS5 is Off

H136_9025EC

No. 8 Developer Meter is not Energized

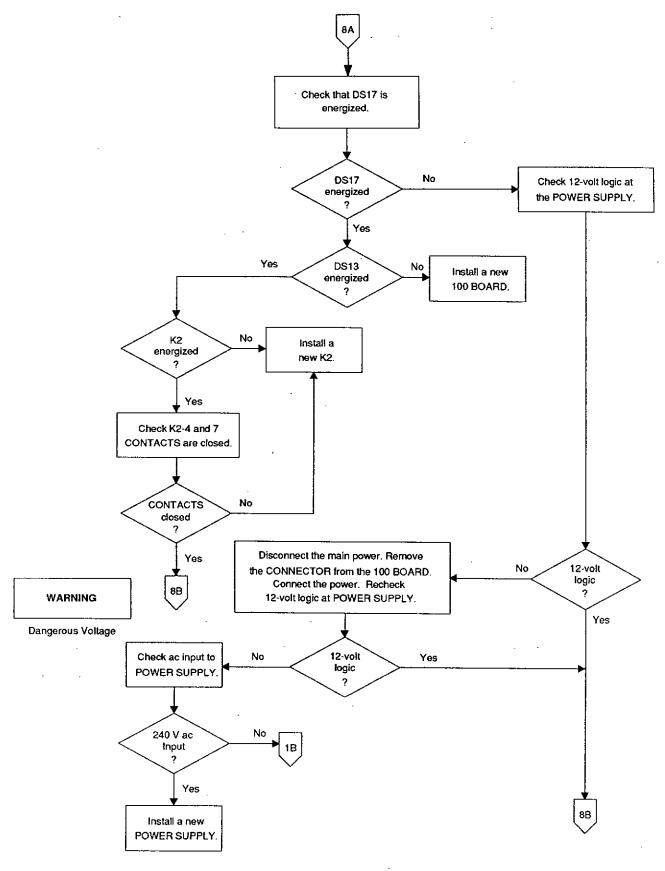


Possible damage from electrostatic discharge.



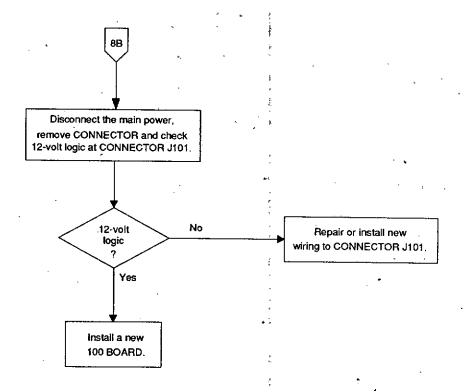
Developer Meter Is Not Energized

H136_9042DC



Developer Meter Is Not Energized

H136_9043EC



Developer Meter Is Not Energized

H136_9044DC

No. 9 Developer Temperature is not Increasing

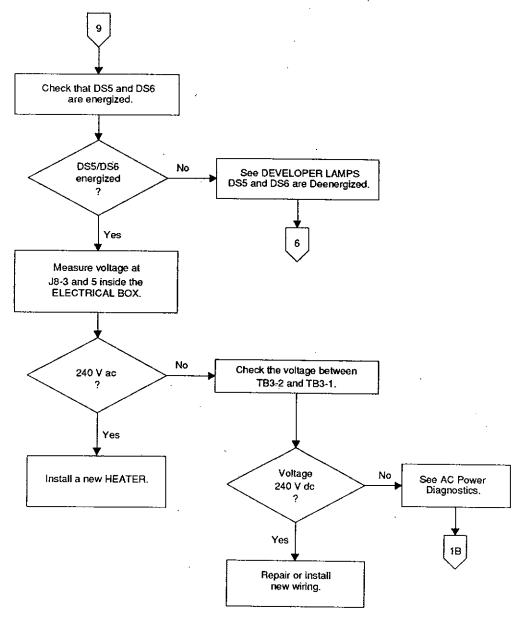
Condition: Connector P/J8 is connected correctly.

WARNING

Dangerous Voltage



Possible damage from electrostatic discharge.



Developer Temperature Is Not Increasing

H136_9033DC

No. 10 Dryer is not Heating

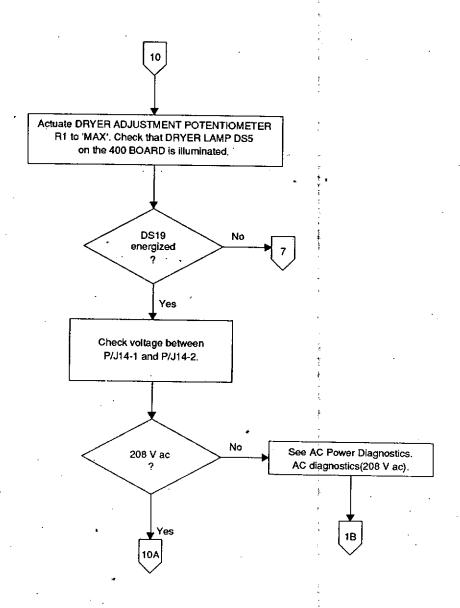
Condition: The Connector P/J14 is connected correctly.

WARNING

Dangerous Voltage

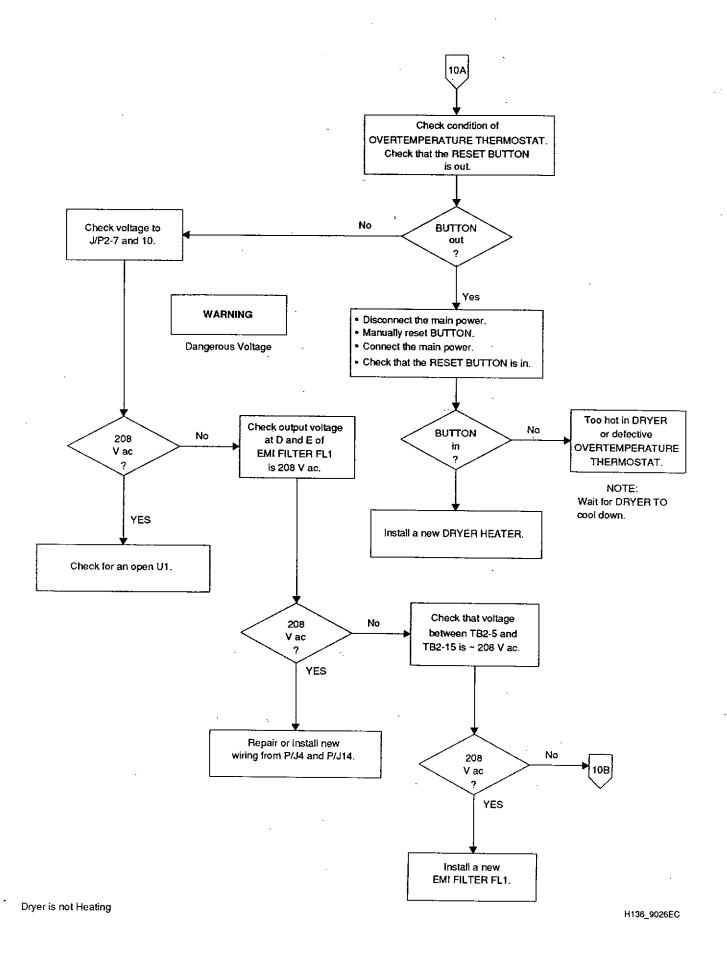
CAUTION

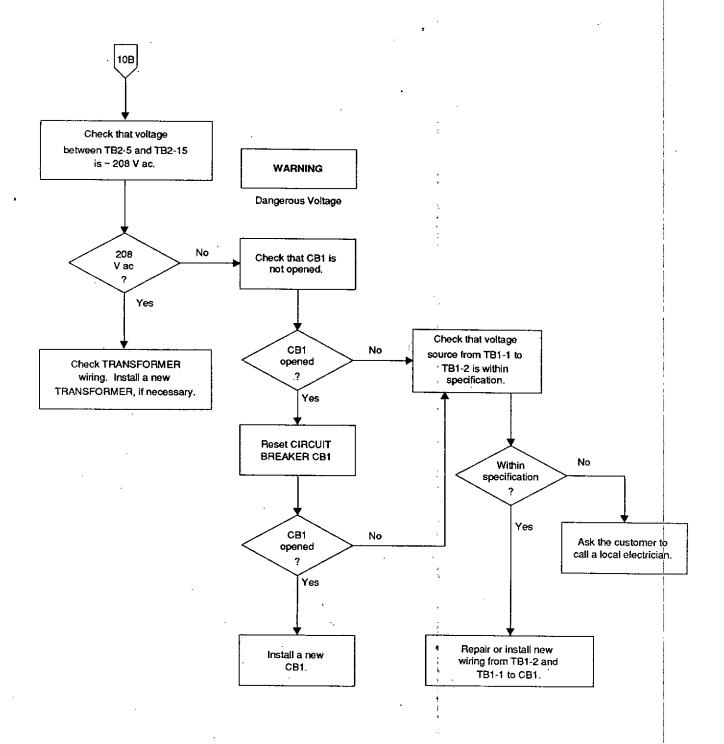
Possible damage from electrostatic discharge.



Dryer is not Heating

H136_9034DC





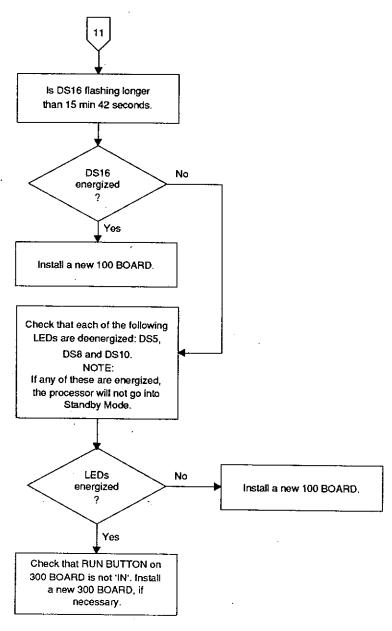
Dryer is not Heating

H136_902BEC

No. 11 Processor Will Not Go into the Standby Mode

CAUTION

Possible damage from electrostatic discharge.



Processor Will Not Go into Standby Mode

H136_9035DC

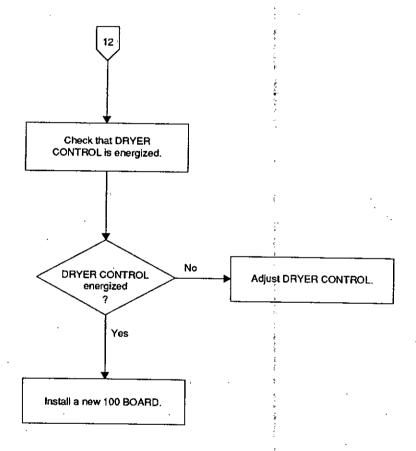
No. 12 Processor Will Not Come Out of "Standby"

Condition:

- · The processor is in the "Bypassed" mode.
- The processor remains in "Standby" after 9 minutes 30 seconds.



Possible damage from electrostatic discharge.



Processor Will Not Come Out of 'Standby'

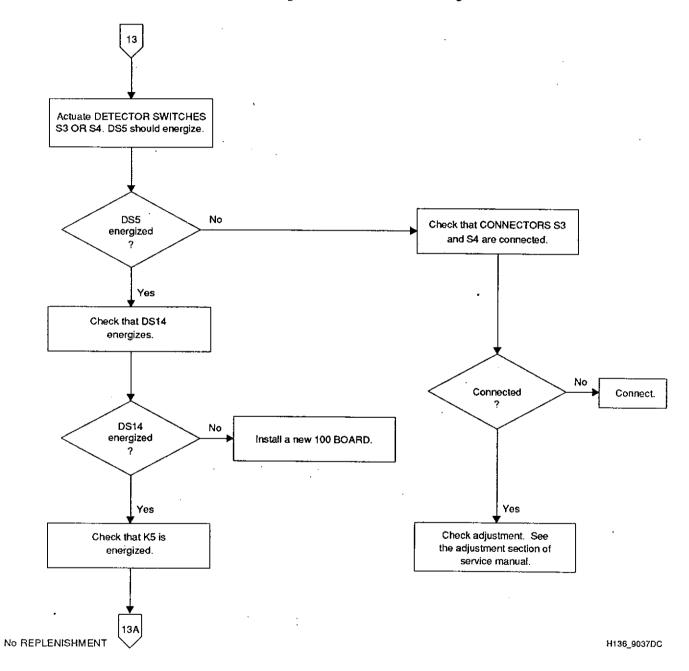
H136_9036DC

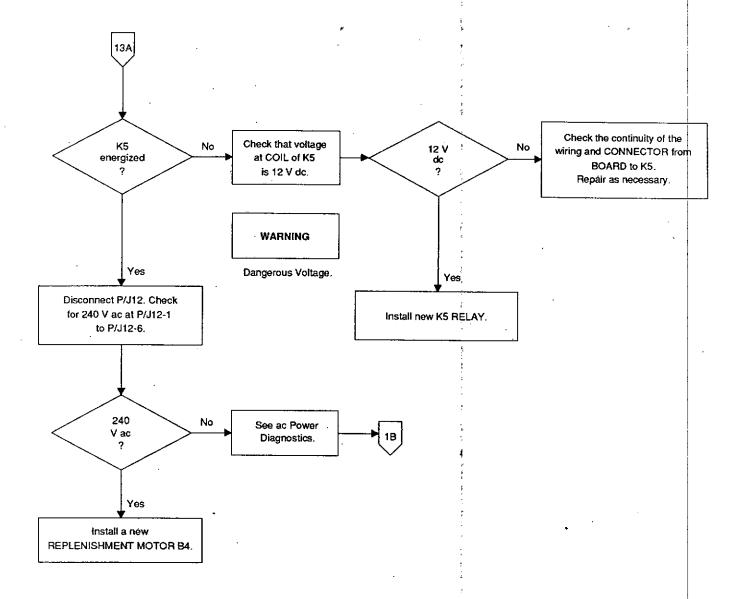
No. 13 Replenishment is not Occurring

Condition: The Connector P/J12 is connected correctly.



Possible damage from electrostatic discharge.





No REPLENISHMENT

H136_903BDC

981079

A. 40 A. 18

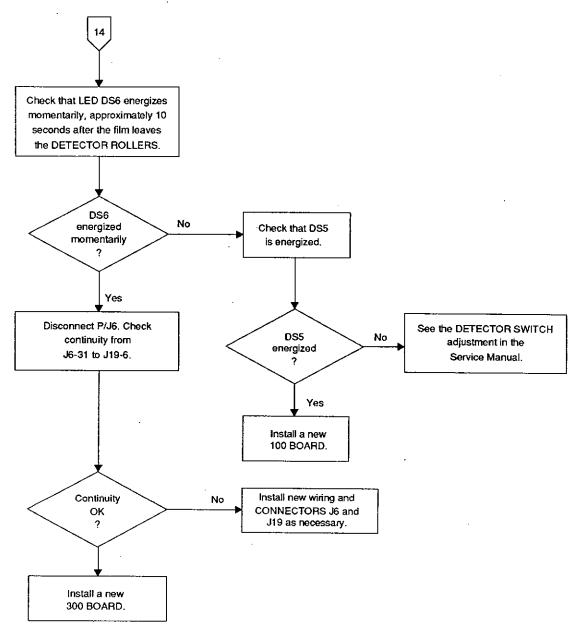
No. 14 Film Feed Audio Indicator DS7 is not Operating

Condition:

- The Connectors P/J6, 19, 101, and 301 are connected correctly.
- · Film is being fed into the processor.



Possible damage from electrostatic discharge.



No Audio Indicator DS7

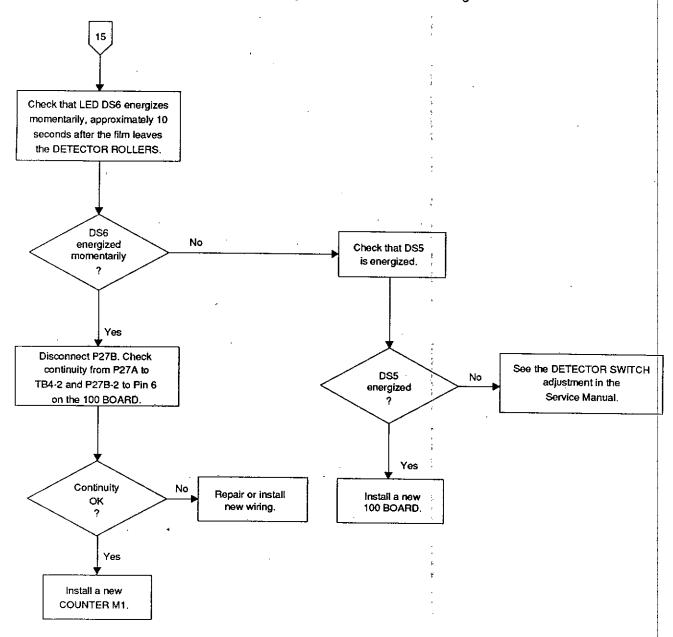
H136_9039DC

No. 15 Counter M1 is not Operating .

Condition: Film is being fed into the processor.



Possible damage from electrostatic discharge.

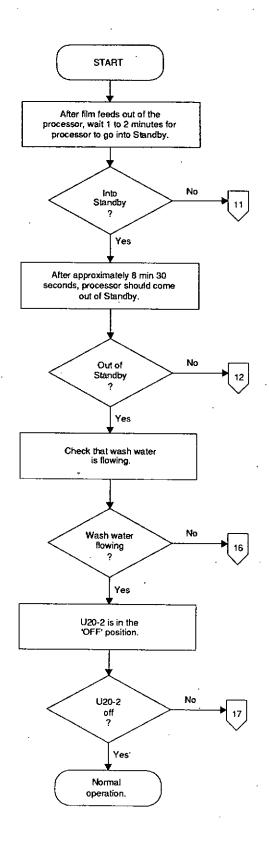


No Counter M1

H136_9040DC

Standby Mode

Overview



Standby Mode

H136_9041EC

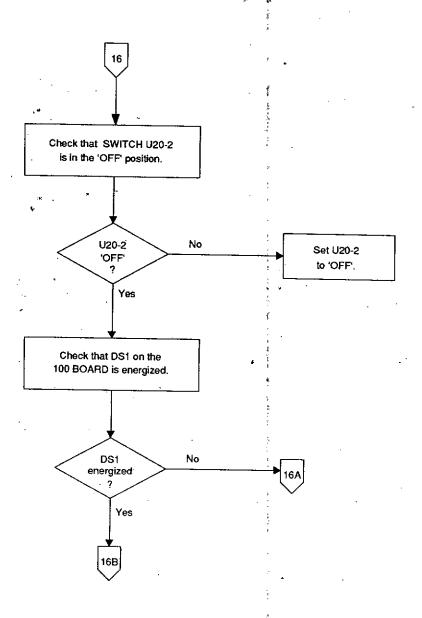
No. 16 Wash Water not Flowing - Mode 1, Out of Standby

Condition:

- Mode 1 wash water is flowing. Dip Switch U20-2 is in; the "Off" position.
- Mode 2 wash water is not flowing, until the "RUN" Button is pressed or the developer solution needs cooling. Dip Switch U20-2 is in the "On" position.

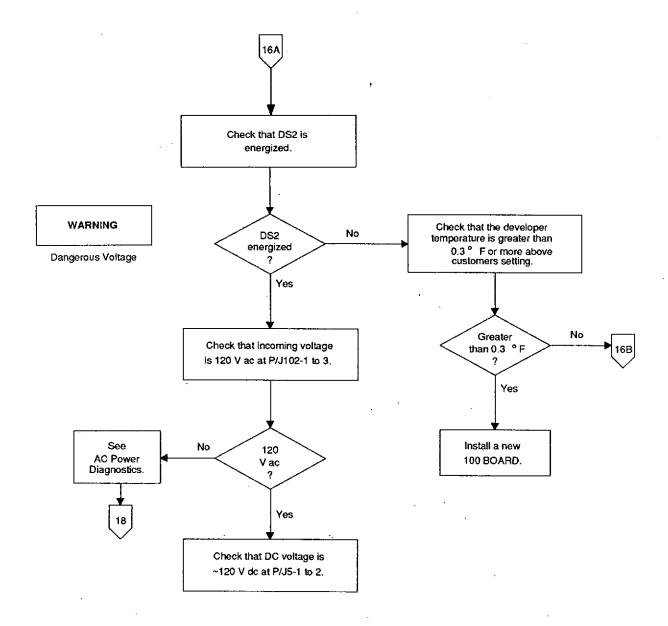


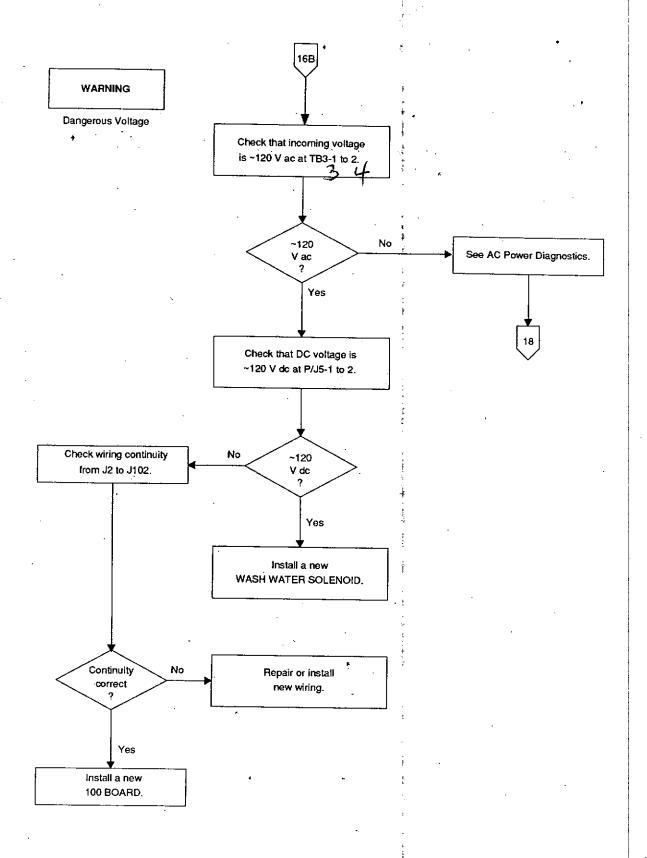
Possible damage from electrostatic discharge.



Wash Water Not Flowing

H136_9045DC





Wash Water Not Flowing

H136_9047EC

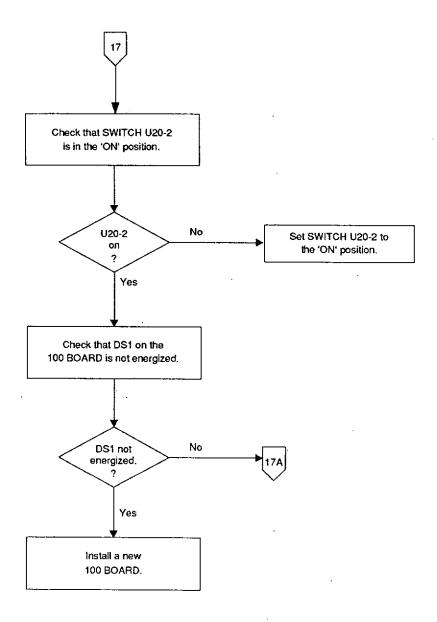
No. 17 Wash Water Flowing - Mode 2, Out of Standby

Condition:

- Mode 1 wash water is flowing. Dip Switch U20-2 is in the "Off" position.
- Mode 2 wash water is not flowing, until the "RUN" Button is pressed or the developer solution needs cooling. Dip Switch U20-2 is in the "On" position.

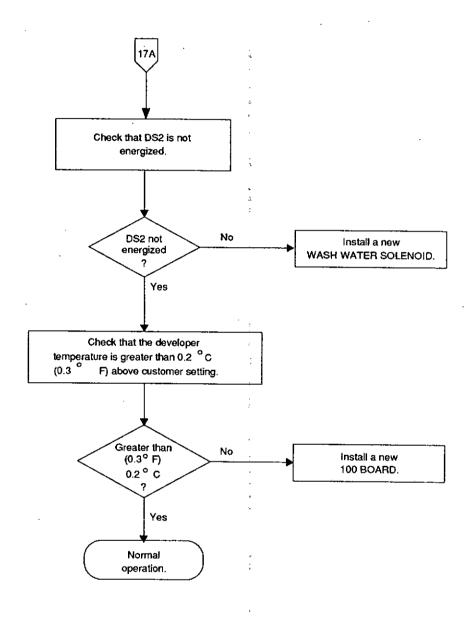


Possible damage from electrostatic discharge.



Wash Water Flowing - Mode 2

H136_9048DC



Wash Water Flowing - Mode 2

H136_9049EC

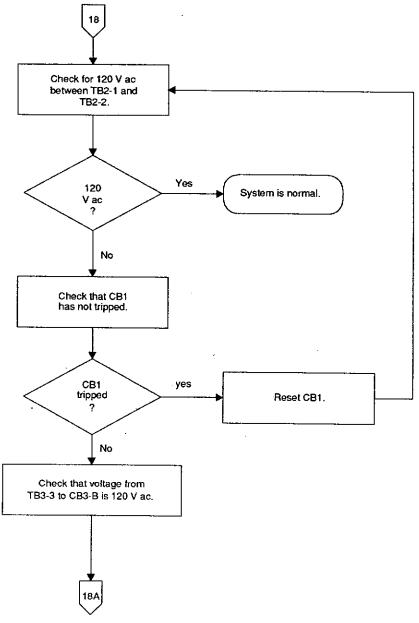
No. 18 AC Power Diagnostics 120 V ac

WARNING

Dangerous Voltage

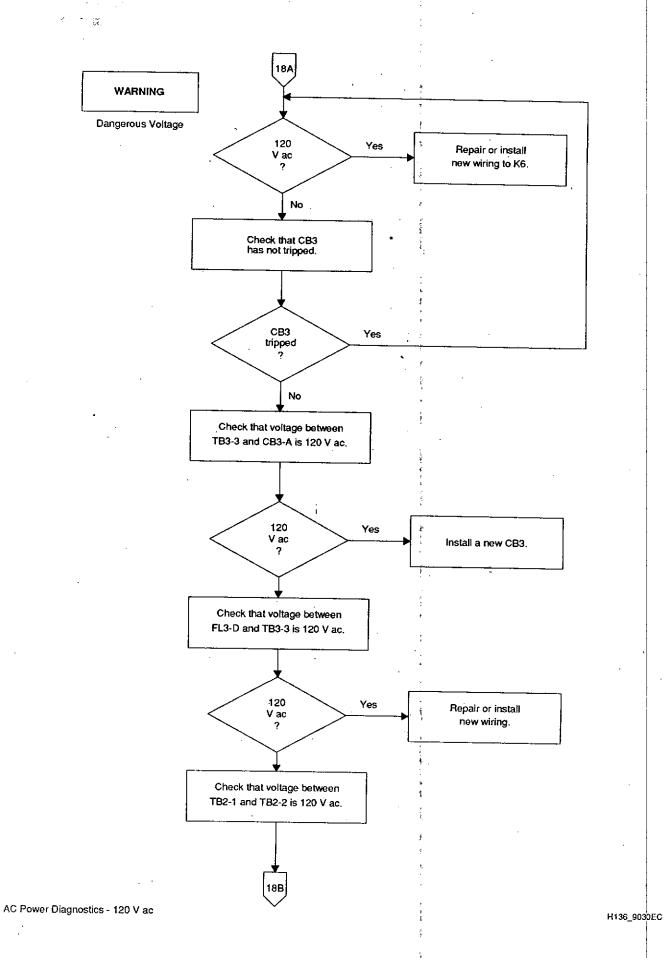


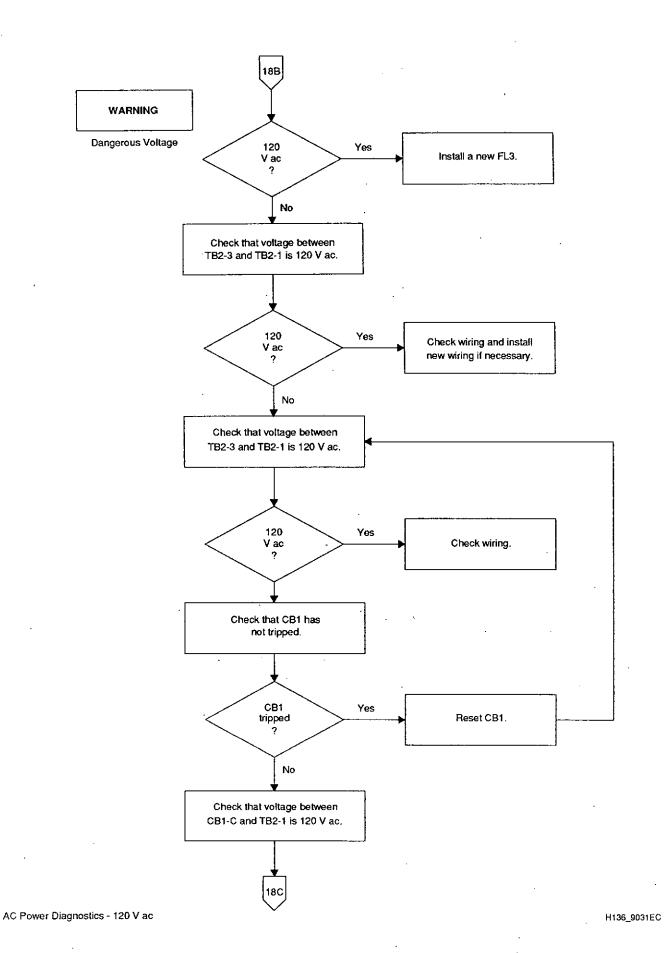
Possible damage from electrostatic discharge.

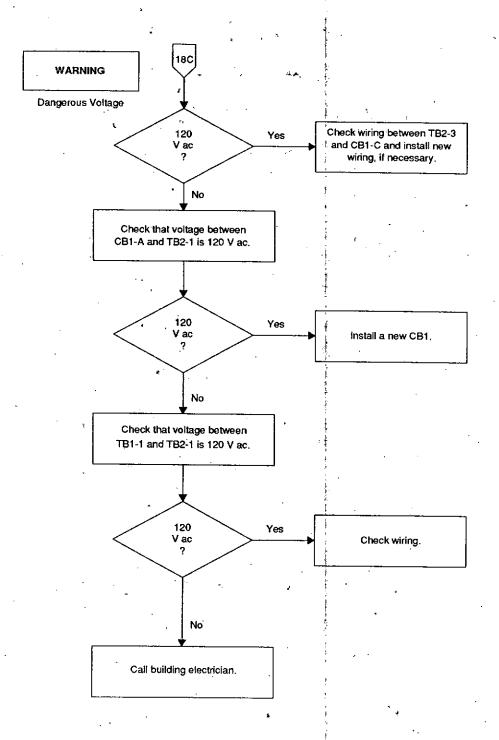


AC Power Diagnostics - 120 V ac

H136_9029DC







AC Power Diagnostics - 120 V ac

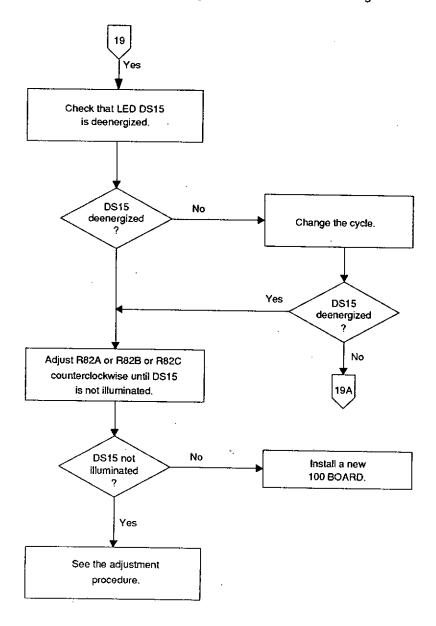
H136_9032EC

No. 19 Developer is Overheating

Condition: Developer Cooling Solenoid L2 is operating. If Solenoid L2 is not operating, see procedure No. 2 on page 13.

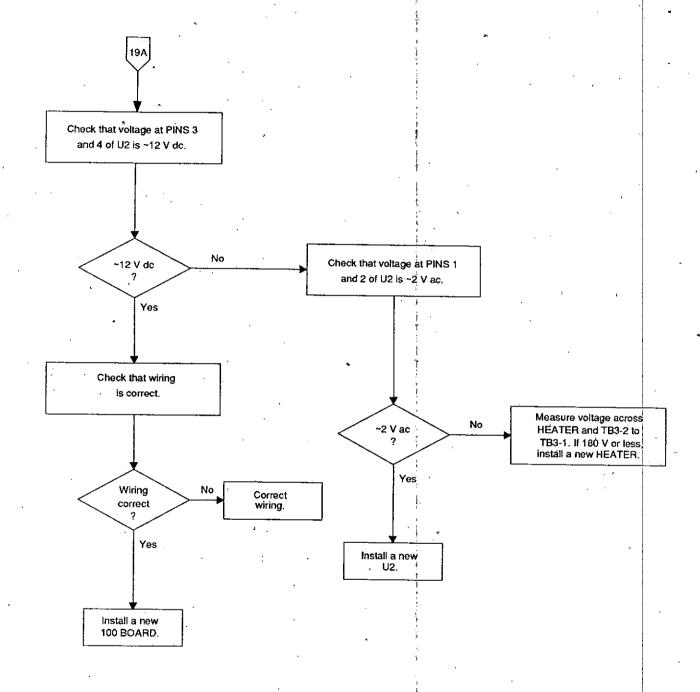


Possible damage from electrostatic discharge.



Developer is Overheating

H136_9050DC



Developer is Overheating

H136_9051EC

100 Circuit Board - Functions of the LEDs

The following functions occur when the LEDs on the 100 CIRCUIT BOARD are illuminated.

LED	Function
DS1	Input Water Solenoid L1 is energized.
DS2	Cooling Water Solenoid L2 is energized.
DS3	Blinking indicates operation of the clear time clock.
DS4	Panel Meter is energized.
DS5	Detector Switches S3 or S4 is energized.
DS6	Blinks when the Film Counter and audio alarm operate:
DS7	Blinking indicates operation of the Standby Clock.
DS8	Switches S1, S3, S4, S6, or interface are actuated.
DS9	Safelight Receptacle is energized.
DS10	Replenishment Test Switch S2, on the 400 Circuit Board, is energized.
DS11	Standby Relay K1 is energized.
DS12	Developer Overtemperature Switch S2 is energized.
DS13	Developer Heater Relay K2 is energized.
DS14	Replenisher Relay K5 is energized.
DS15	Developer Heater Solid State Relay U2 is energized.
DS16	Blinking indicates Clear time Timer is operating.
DS17	12-V dc logic supply to the 100 Circuit Board is occurring.
DS18	5-V dc logic supply, on the 100 Circuit Board, is operating correctly.
DS19	Dryer Heater Solid State Relay U1 is energized.
DS20	Blinking indicates Standby Timer is operating.
DS21	12-V dc relay supply to the 100 Circuit Board is occurring.

3233dc_b.txt

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The new vision of Kodak

