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ADJUSTMENTS AND REPLACEMENTS

for the

***Kodak* XLS 8600/8600 PS PRINTERS**

Service Code: 2935, 2936

***Kodak* XLS 8657 DIGITAL PRINTER**

Service Code: 0741

***Kodak* XLS 8400 PS PRINTER**

Service Code: 0760

***Kodak Digital Science*™ 8650/8650 PS COLOR PRINTERS/32/48 MB**

Service Codes: 2930, 2931, 2932, 2947

***Kodak Digital Science*™ MEDICAL COLOR IMAGER 2000**

Service Code: 3441

***Kodak Professional* 8650R THERMAL PRINTER**

Service Code: 3829

***Kodak* XLS 8660 PRINTER OEM**

***Kodak* XLS 8680 PRINTER OEM**

Important
Use qualified personnel to service this equipment.

Kodak Service & Support

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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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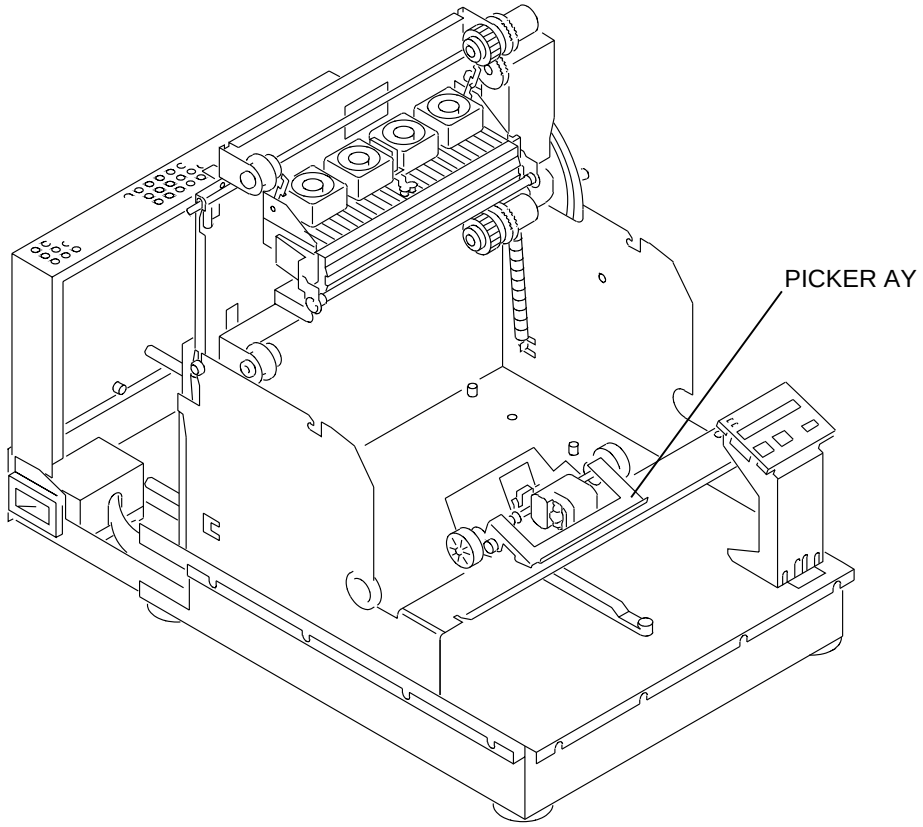
Section 1: Adjustments

PICKER PENETRATION

Adjustment Specification



A087_0166HCB
A087_0166HC

Purpose: To make the PICKER AY have correct and continual operation.

Specification: Determined with the correct specification after the adjustment.

Special Tools: PICKER HEIGHT GAUGE TL-4973

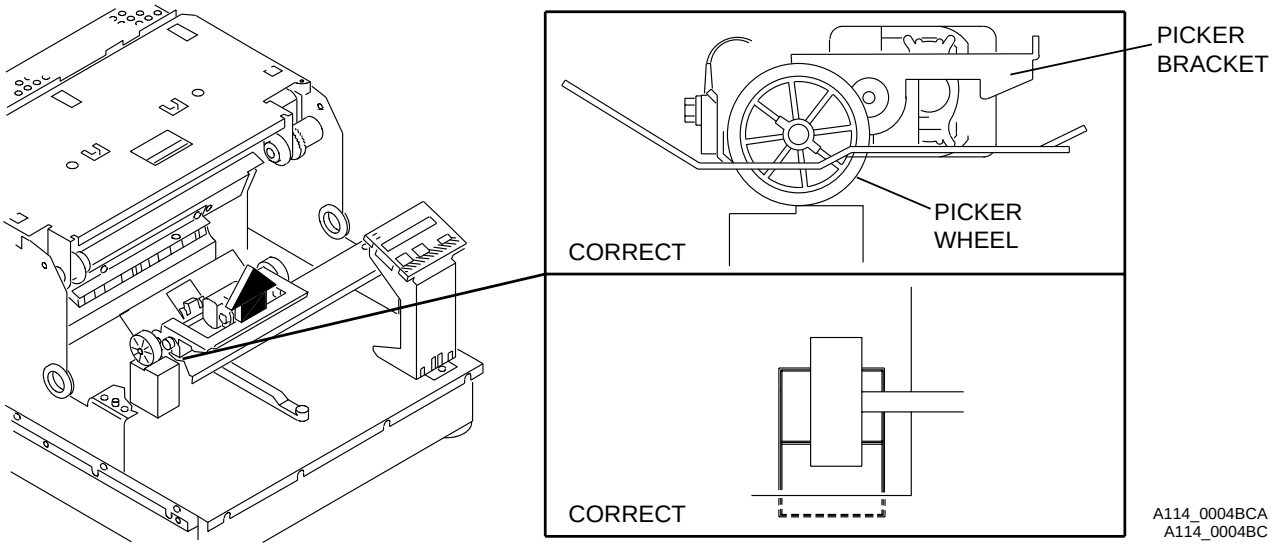
Prerequisites: Remove:
- DOOR COVER - See Page 40
- ENCASEMENT - See Page 41

Postrequisites: Make test prints to check for correct operation.

To Check:

[1] Check that the PICKER AY is the correct height.

To Adjust:



[1] Open the DOOR.

Caution

Prevent damage. Do not touch the DONOR. Contamination will occur.

[2] Remove:

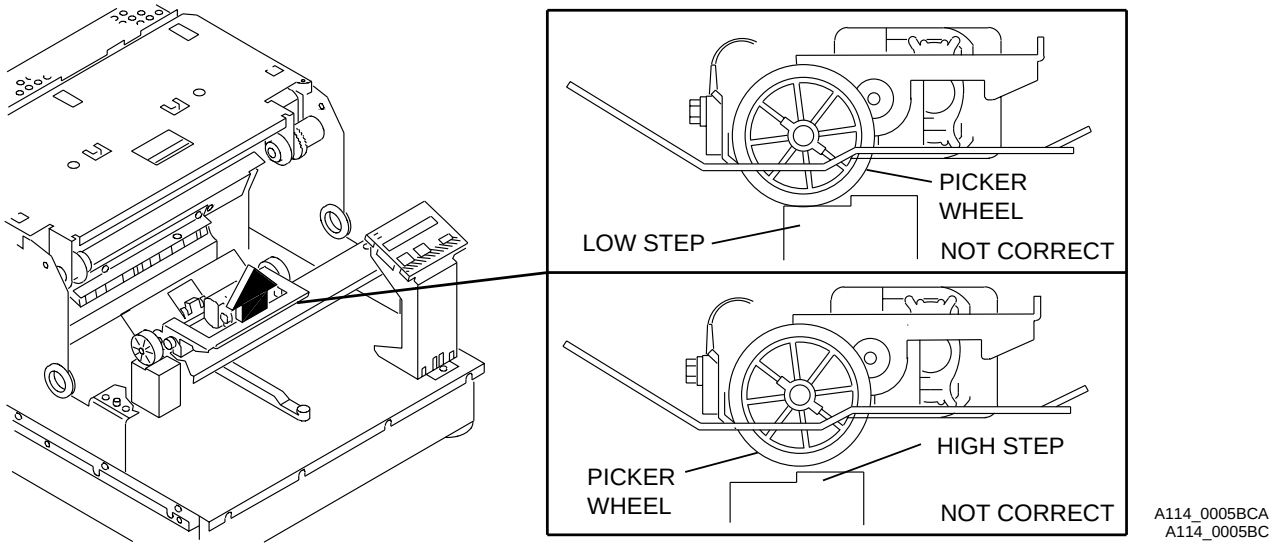
- DONOR
- RECEIVER

[3] Pull the PICKER BRACKET up to allow the PICKER WHEELS to move down.

[4] Do the following to check the PICKER PENETRATION. Use the PICKER HEIGHT GAUGE TL4973.

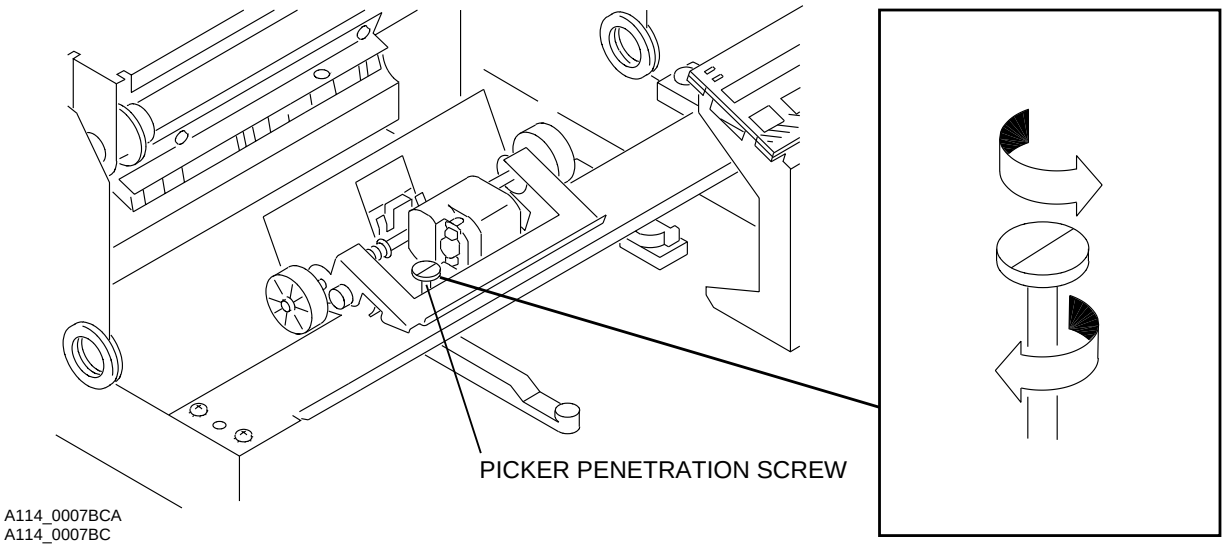
(a) The PICKER WHEEL must be in the center over the GAUGE. See the graphic above.

(b) With the PICKER WHEELS down, move the GAUGE under each PICKER WHEEL.



(c) If the PICKER PENETRATION is within specification, the PICKER WHEELS will not make contact with the LOW STEP and will make contact with the HIGH STEP.

(d) If the PICKER PENETRATION is correct, advance to Step 6. If not, continue with Step 5.



Important

The PICKER PENETRATION SCREW has a patch that holds the SCREW. The patch should not loosen with use or vibration. Only rotate the SCREW in 1/2 increments to keep the patch tight.

[5] Adjust:

Height	Penetration	Procedure
Either PICKER WHEEL contacts the LOW STEP on the PICKER HEIGHT GAUGE TL-4973	Too deep	Rotate the PICKER PENETRATION SCREW clockwise 1/2 rotation to decrease penetration.
Either PICKER WHEEL does not make contact with the HIGH STEP on the PICKER HEIGHT GAUGE TL-4973	Too high	Rotate the PICKER PENETRATION SCREW counterclockwise 1/2 rotation to increase penetration.

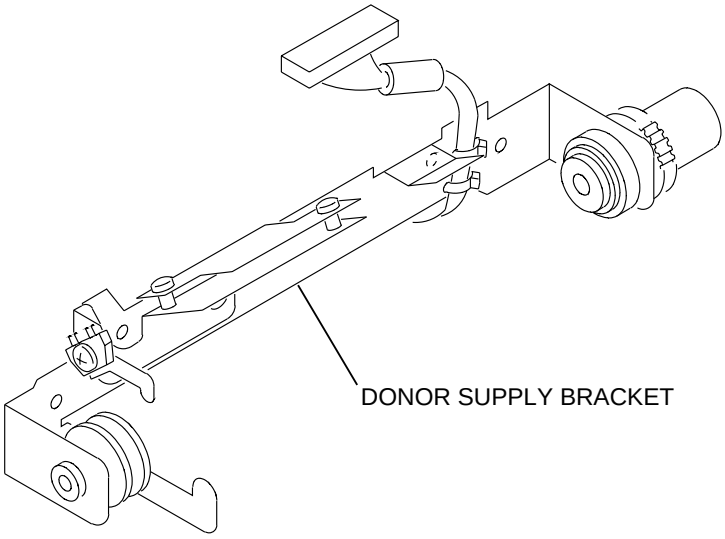
[6] Clean the PICKER WHEELS after the you have checked the penetration or have made any adjustments. Use the LINT-FREE WATER PAD 1C8081.

[7] Install:

- ENCASEMENT
- DOOR COVER

DONOR SUPPLY BRACKET

Adjustment Specification



A114_0008BCA
A114_0008BC

Purpose: To decrease folds and STRETCH artifacts on the leading edge of the print.

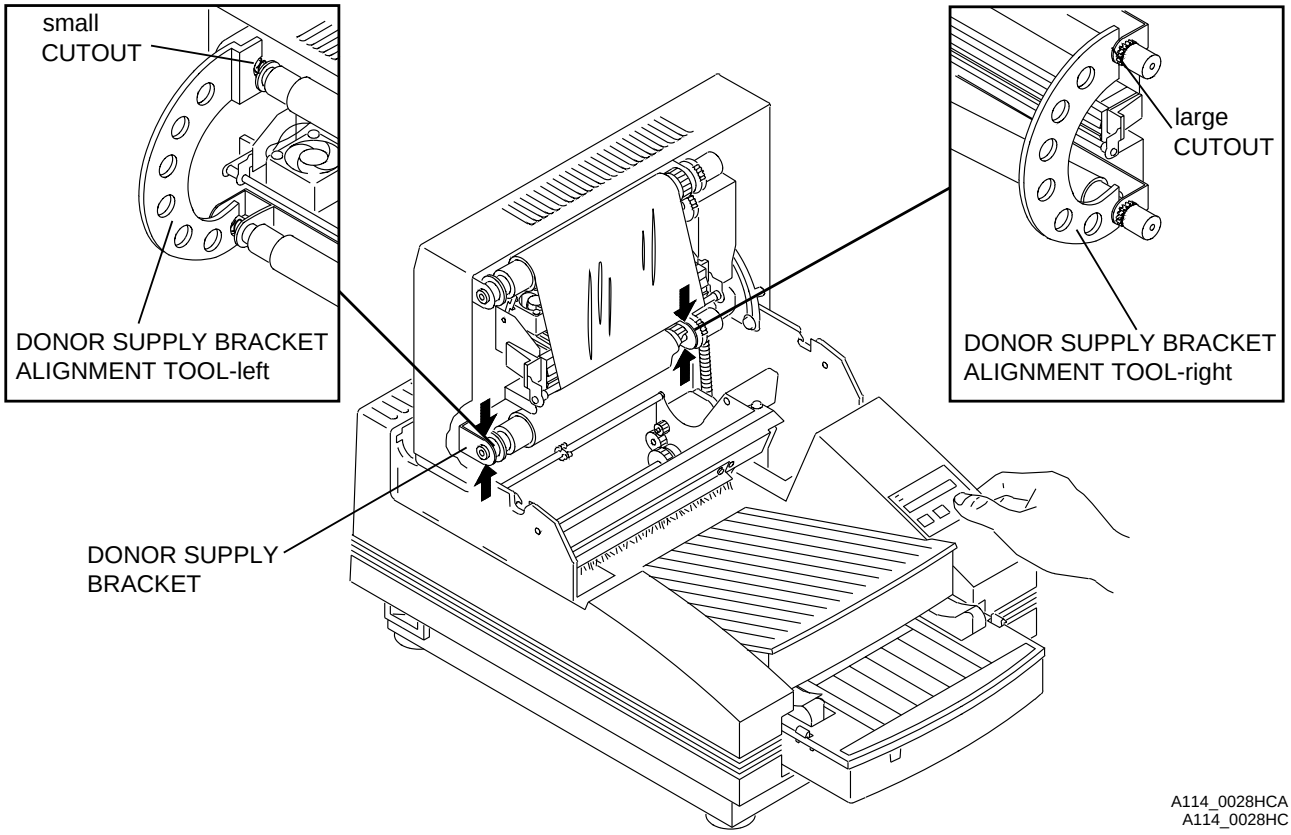
Specification: The distance between the DONOR TAKE-UP SPINDLE and the DONOR SUPPLY SPINDLE should be 162.8 mm (6.410 in.)

Special Tools: DONOR SUPPLY BRACKET ALIGNMENT TOOL TL-5250

Prerequisites: None

Postrequisites:
- "DIAG: DONOR TEST"
- Make 5 test prints.

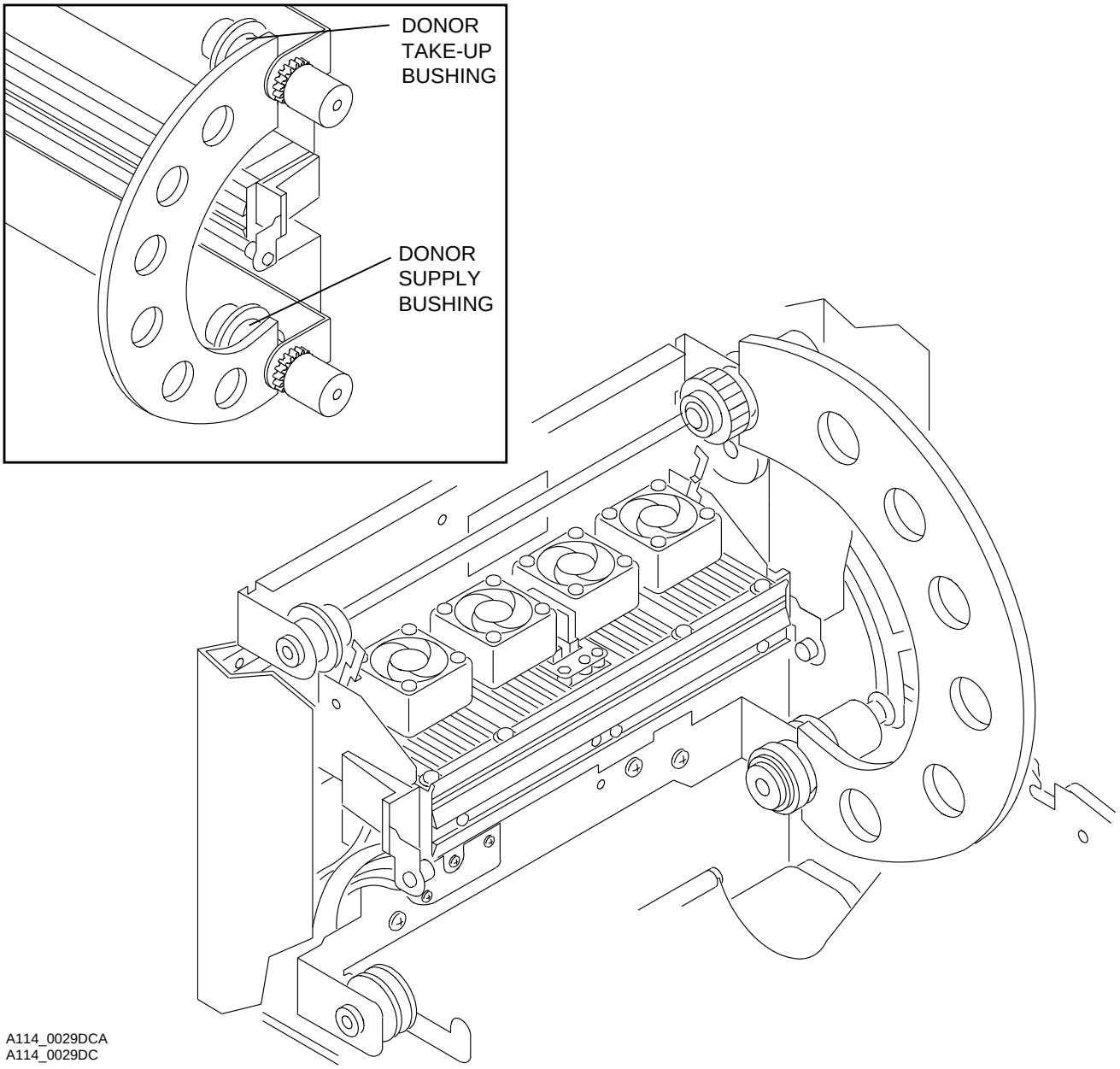
To Check:



Important

The DONOR SUPPLY BRACKET ALIGNMENT TOOL TL-5250 is 2 parts. 1 part is a right tool and has a large CUTOUT. The other is a left tool and has the small CUTOUT.

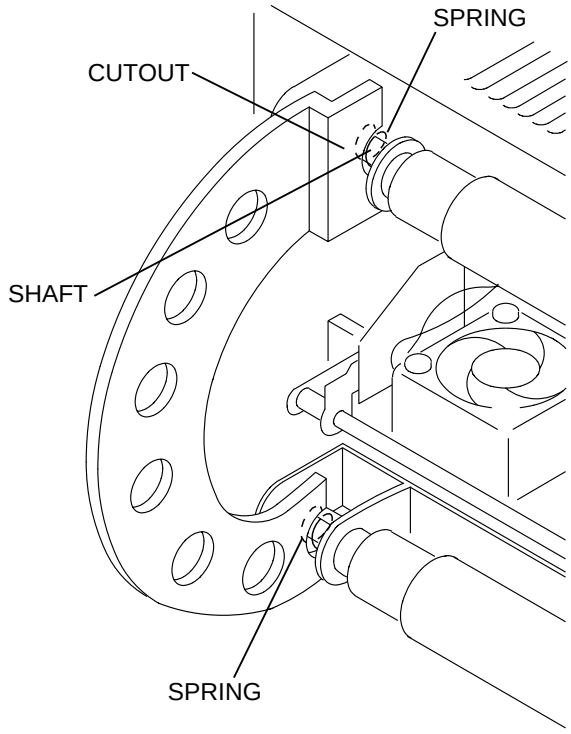
[1] Do the following procedure to check that the DONOR SUPPLY BRACKET is correctly aligned. Use the DONOR SUPPLY BRACKET ALIGNMENT TOOL TL-5250.



A114_0029DCA
A114_0029DC

[2] Place the right tool onto the DONOR TAKE-UP BUSHING and DONOR SUPPLY BUSHING.

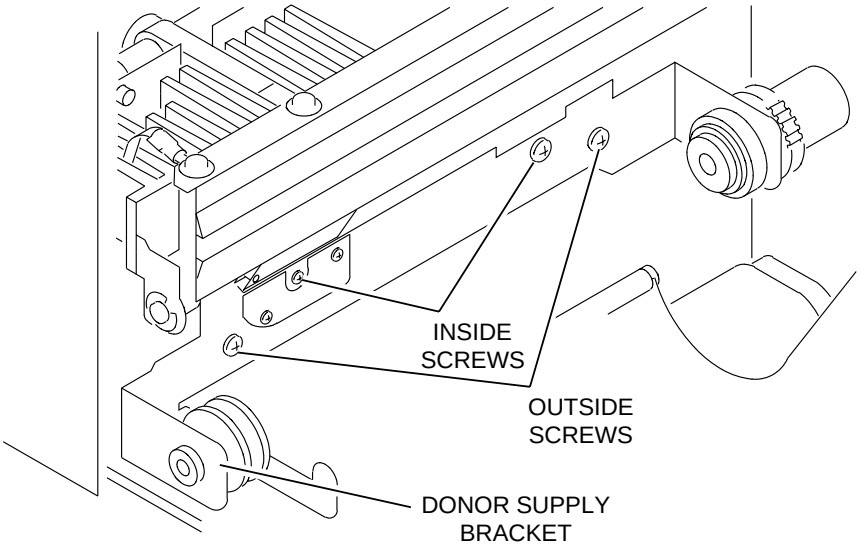
[3] Check that the right tool seats correctly onto the 2 BUSHINGS.



A114_0030GCA
A114_0030GC

[4] Place the left tool between the 2 SPRINGS. The CUTOUT on the tool should be against the SHAFT.

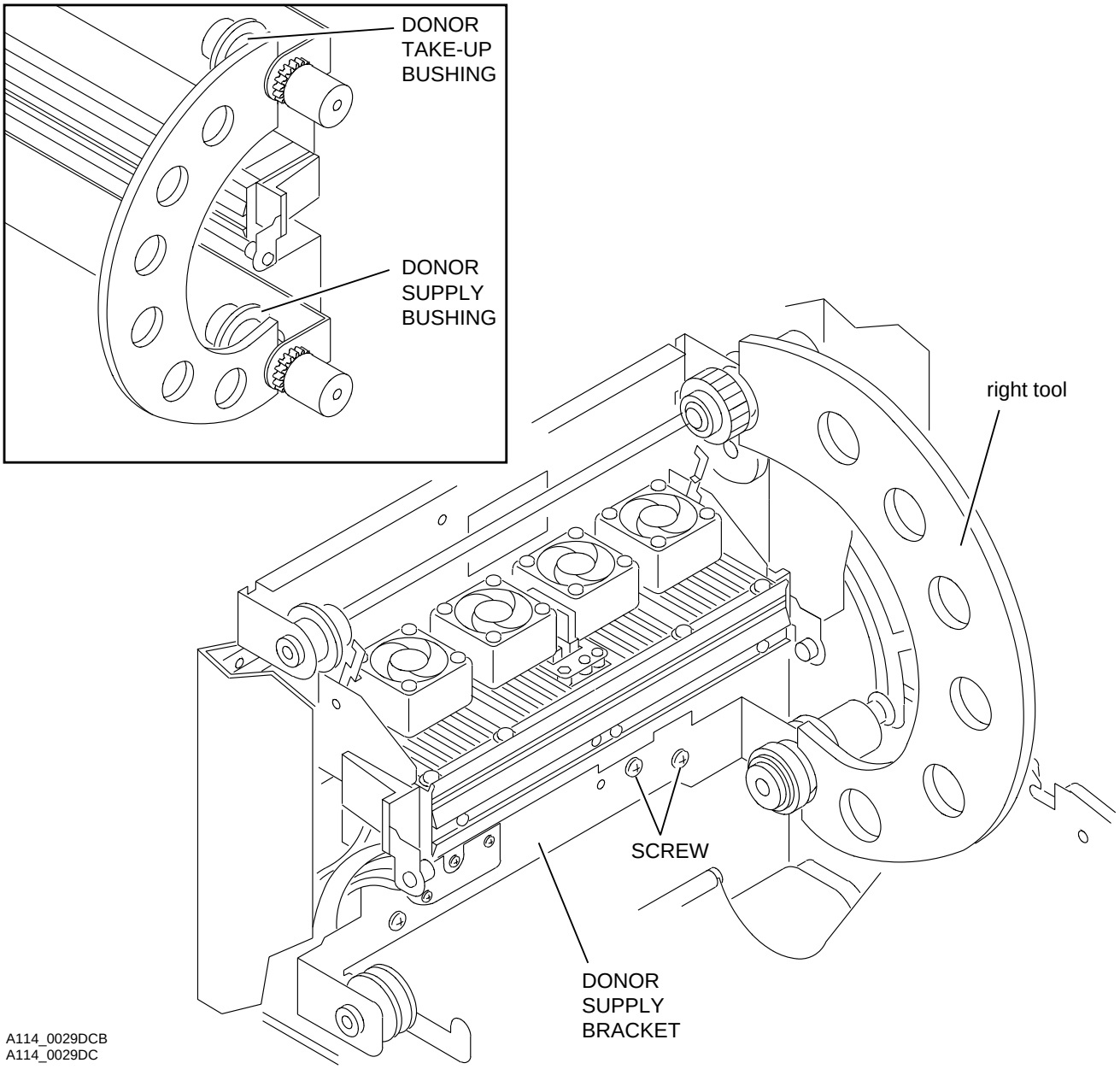
To Adjust:



A114_0027BCA
A114_0027BC

[1] Remove the RIBBON.

[2] Loosen the 2 INSIDE SCREWS and the 2 OUTSIDE SCREWS on the DONOR SUPPLY BRACKET.

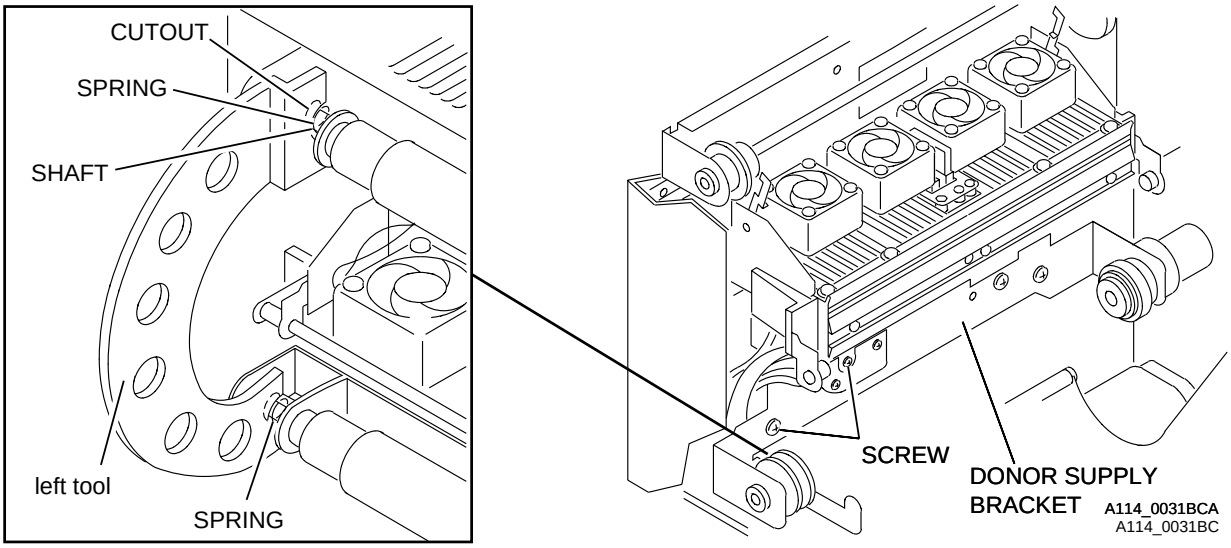


A114_0029DCB
A114_0029DC

[3] Place the right tool in the correct position. Check that the right tool is flush against the DONOR TAKE-UP BRACKET and the DONOR SUPPLY BRACKET.

[4] Tighten the 2 SCREWS on the right side of the DONOR SUPPLY BRACKET.

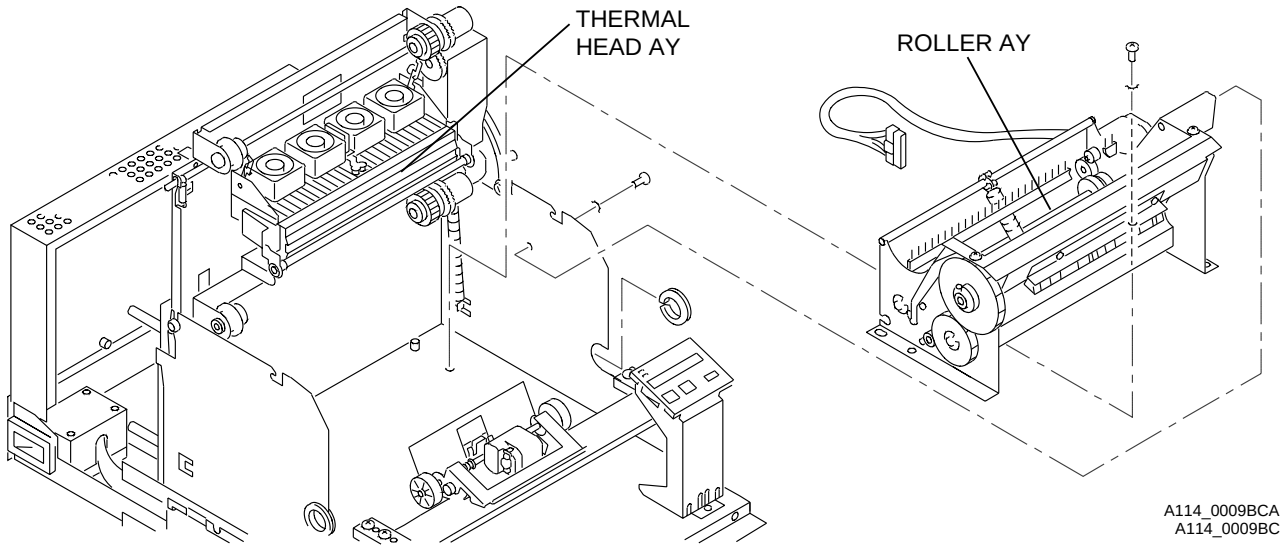
[5] If the right tool is not flush against the 2 BRACKETS, do Steps 2 - 4 again.



[6] Place the left tool in the correct position. Tighten the 2 SCREWS on the left side of the DONOR SUPPLY BRACKET.

ROLLER AY

Adjustment Specification



Purpose: To decrease STRETCH artifacts on the trailing edge of the print.

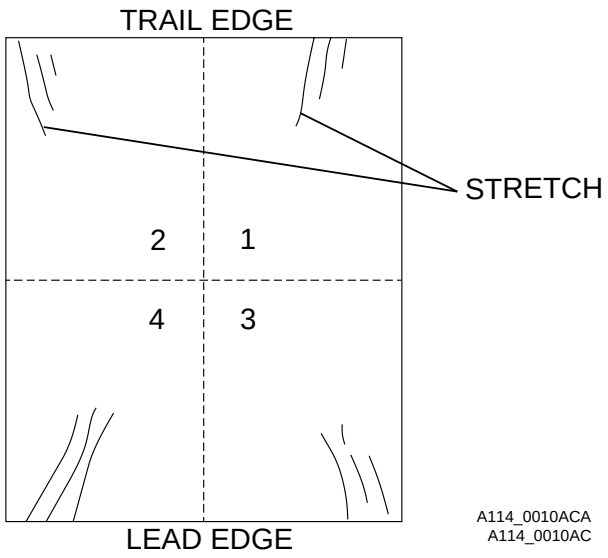
Specification: None

Special Tools:
- LONG MAGNETIC SCREWDRIVER TL-4505
- BIT KIT TL-4503

Prerequisites: Remove:
- DOOR COVER - See Page 40
- ENCASEMENT - See Page 41

Postrequisites: Make test prints to check for correct operation.

To Check:

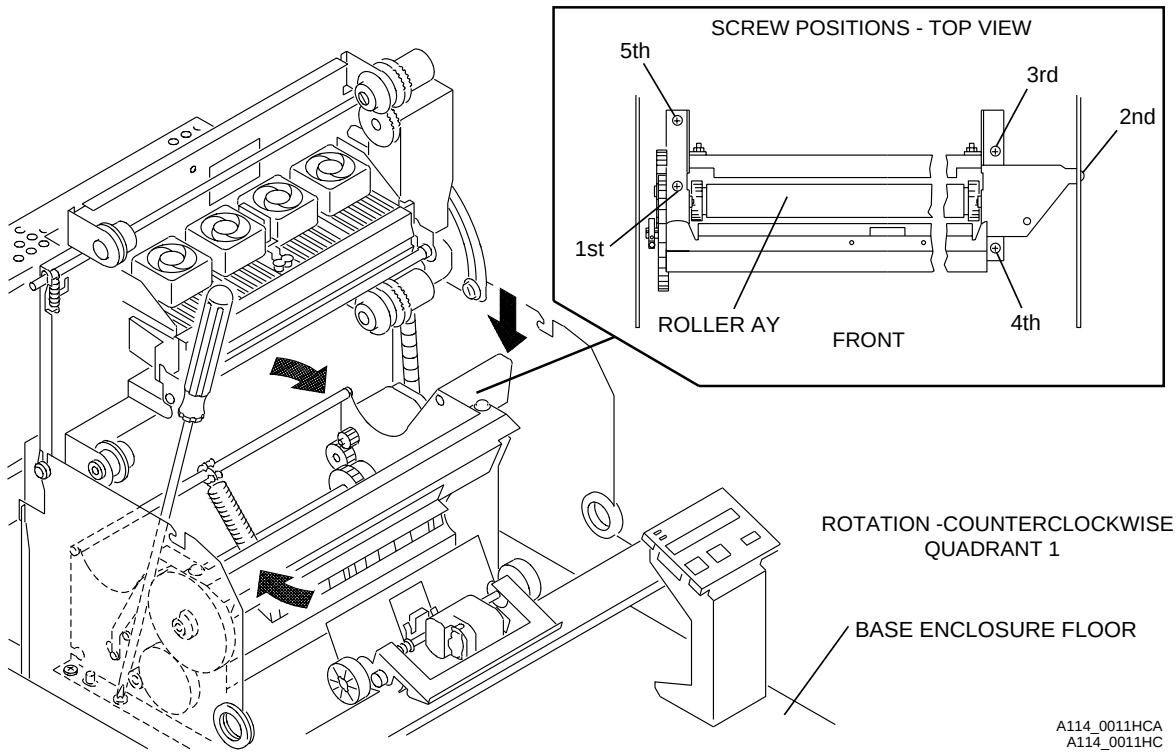


[1] Check:

- that the ROLLER AY is aligned correctly with the THERMAL HEAD AY.
- for STRETCH on the trailing edge of the print.

[2] Determine if the print has STRETCH in areas 1 or 2.

To Adjust:



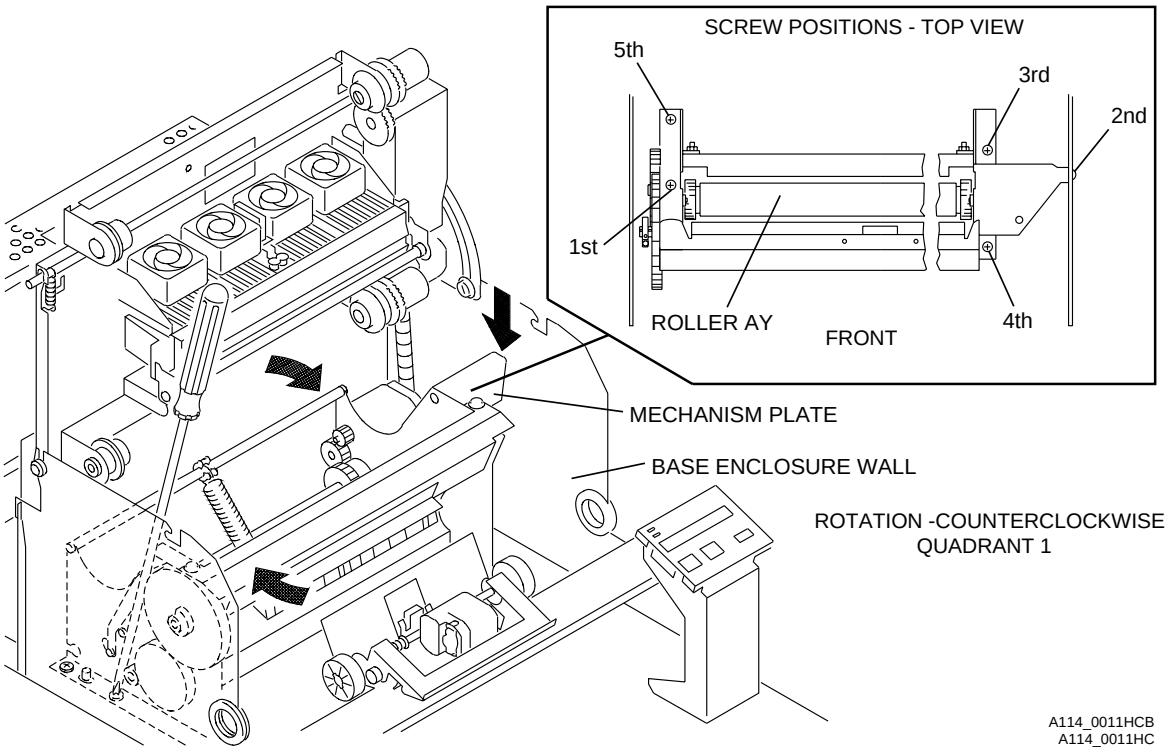
Warning

Dangerous Voltage

[1] De-energize the PRINTER.

[2] Loosen the 5 SCREWS holding the ROLLER AY to the BASE ENCLOSURE FLOOR and the right SIDE WALL.

[3] If the STRETCH artifact is in area 1, continue with Steps 4 to 8. If the STRETCH artifact is in area 2, advance to Step 9.



[4] Pull the left side of the ROLLER AY toward the front of the PRINTER.

[5] Tighten the front SCREW on the left side.

[6] Press the right side of the ROLLER AY toward the back of the PRINTER.

[7] With minimum pressure, press down on the right MECHANISM PLATE holding the ROLLER AY to the right side of the BASE ENCLOSURE WALL.

[8] Tighten the following SCREWS in the sequence indicated in the graphic above:

- 2nd SCREW
- 3rd SCREW
- 4th SCREW
- 5th SCREW

Note

If this procedure does not correct the artifact, the malfunction might be caused by other conditions:

- DONOR SUPPLY BRACKET - see Page 62
- THERMAL HEAD - see Page 67
- DOOR AY - see Page 75
- BASE ENCLOSURE WALLS - see Page 36

[9] Pull the right side of the ROLLER AY forward toward the front of the PRINTER.

[10] Tighten the front SCREW on the left side.

[11] Press the left side of the ROLLER AY toward the back of the PRINTER.

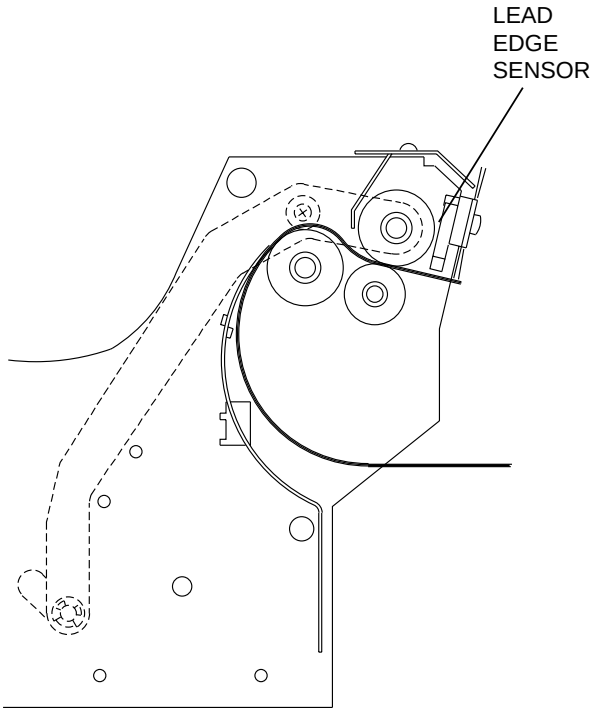
[12] With minimum pressure, press down on the right MECHANISM PLATE holding the ROLLER AY to the right side of the BASE ENCLOSURE WALL.

[13] Tighten the following SCREWS in the sequence indicated in the graphic above:

- 2nd SCREW
- 3rd SCREW
- 4th and 5th SCREW

LEAD EDGE SENSOR

Adjustment Specification



A114_0012GCA
A114_0012GC

Purpose: To adjust the SENSOR to detect the lead edge of the RECEIVER.
Specification: 0.18 ± 0.01 V DC
Special Tools: None
Prerequisites: None
Postrequisites: Make a test print for correct operation.

To Check:

[1] Check for correct operation.

To Adjust:

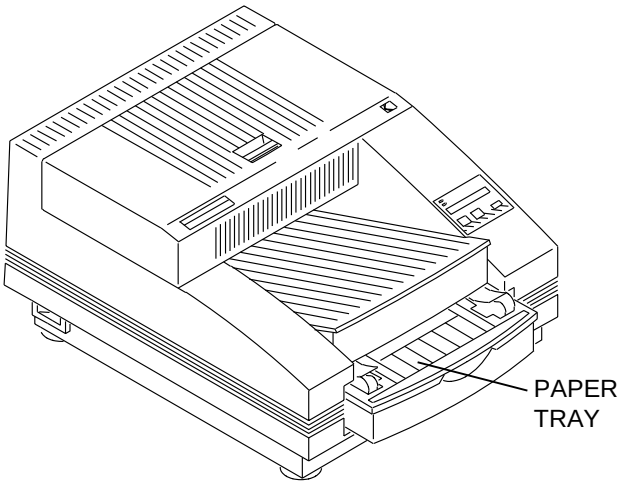
Important
Do this adjustment when you install a new ROLLER AY or CONTROLLER BD. If necessary, do this adjustment during some of the diagnostic procedures.

[1] Set the DIGITAL VOLT METER (DVM) to DC voltage.

[2] Connect the following on the CONTROLLER BD. See Page 43.

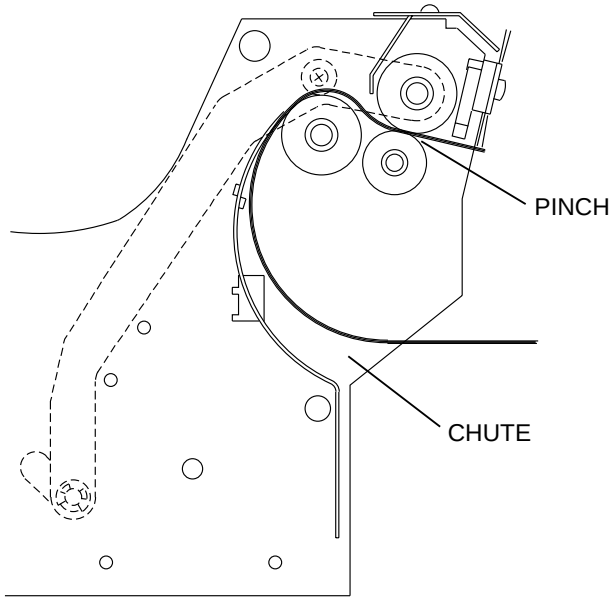
- red PROBE of the DVM to TP8, PIN 3
- black PROBE to TP4, PIN 6

[3] Open the DOOR AY. See Page 75.



A114_0003ACA
A114_0003AC

[4] Remove the PAPER TRAY.



A114_0012GCB
A114_0012GC

Important

If possible, use a TRANSPARENCY to do this adjustment.

[5] Insert a new TRANSPARENCY or REFLECTIVE RECEIVER into the CHUTE.

[6] Enter the diagnostics.

[7] Close the PINCH.

[8] Place the edge of the TRANSPARENCY or REFLECTIVE RECEIVER in the correct position.

[9] Move the TRANSPARENCY until it is aligned with the EXIT STATIC BRUSH. Use the procedure “DIAG: STEPPER MOTOR”, forward or reverse. See the DIAGNOSTICS, Publication No. DG2935-1.

[10] For a TRANSPARENCY, adjust R63 until the voltage measures 0.18 ± 0.01 V DC. See the CONTROLLER BD on Page 43.

Note

The correct voltage adjustment for a REFLECTIVE RECEIVER is 0.24 ± 0.01 V DC.

Note

If this adjustment cannot be made, you must install a new LEAD EDGE/STATIC BRUSH AY or CONTROLLER BD.

[11] Open the PINCH again.

[12] Remove the TRANSPARENCY or REFLECTIVE RECEIVER.

RECEIVER THRESHOLD

Adjustment Specification

Purpose: To set the reference voltage for the RECEIVER TYPE SENSOR.

Specification: 1.0 ± 0.1 V DC

Special Tools: None

Prerequisites: None

Postrequisites: Adjust the RECEIVER TYPE SENSOR. See Page 20.

To Check:

[1] Check the LCD for correct RECEIVER TYPE.

To Adjust:

[1] Set the DIGITAL VOLT METER (DVM) to DC voltage.

[2] Connect the following on the CONTROLLER BD. See Page 43.

- red PROBE of the DVM to TP10, PIN 5
- black PROBE to TP4, PIN 6

[3] Adjust R70 until the DVM measures 1.0 V DC ± 0.1 V DC.

RECEIVER TYPE SENSOR

Adjustment Specification

Purpose: To identify the RECEIVER as a TRANSPARENCY or a reflective.

Specification:

- Reflective: 3.50 ± 0.05 V DC
- TRANSPARENCY: < 0.5 V DC

Special Tools: None

Prerequisites:

- Open the CONTROLLER ENCLOSURE AND DRAWER AY - see Page 39
- Do the adjustment for the RECEIVER THRESHOLD - see Page 20

Postrequisites: Make a test print.

To Check:

[1] Check the LCD for correct RECEIVER TYPE.

To Adjust:

[1] Set the DIGITAL VOLT METER (DVM) to DC voltage.

[2] Install the PAPER TRAY with 100 sheets of a reflective RECEIVER.

[3] Connect the following on the CONTROLLER BD. See Page 43.

- red PROBE to TP2, PIN 6
- black (-) PROBE to TP4, PIN 6 (ground)

[4] Adjust R23 for 3.50 ± 0.05 V DC.

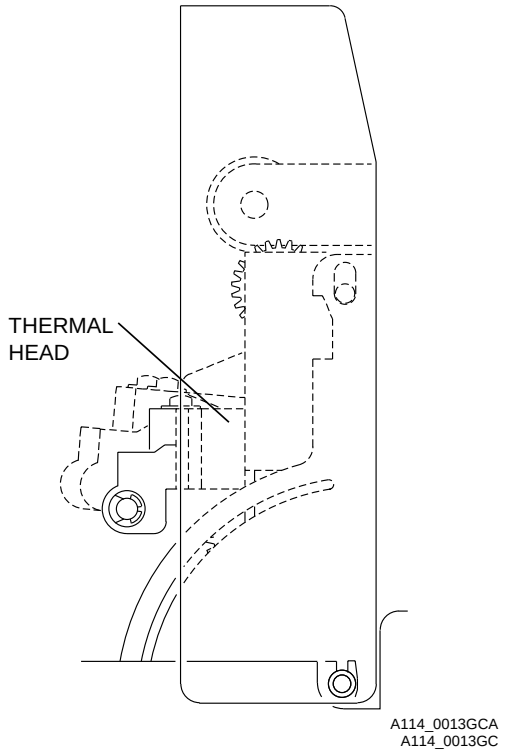
[5] Install a TRAY with 1 TRANSPARENCY.

[6] Check:

- that the voltage is < 0.5 V DC
- for correct operation

Voltage for the THERMAL HEAD

Adjustment Specification

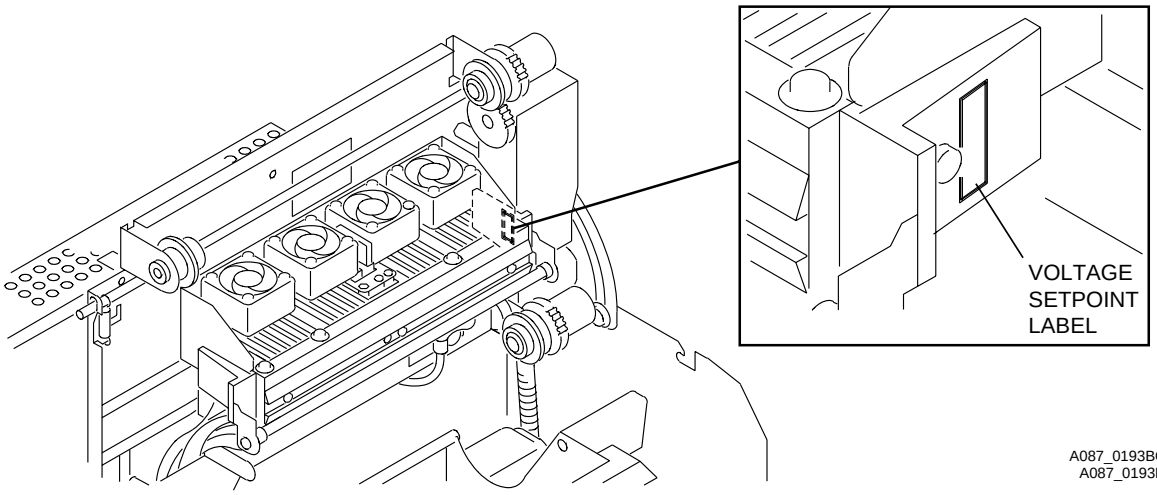


Purpose:	To set the voltage for the THERMAL HEAD.
Specification:	See the voltage printed on the VOLTAGE SET•POINT LABEL
Special Tools:	None
Prerequisites:	None
Postrequisites:	Make a test print to check for correct operation.

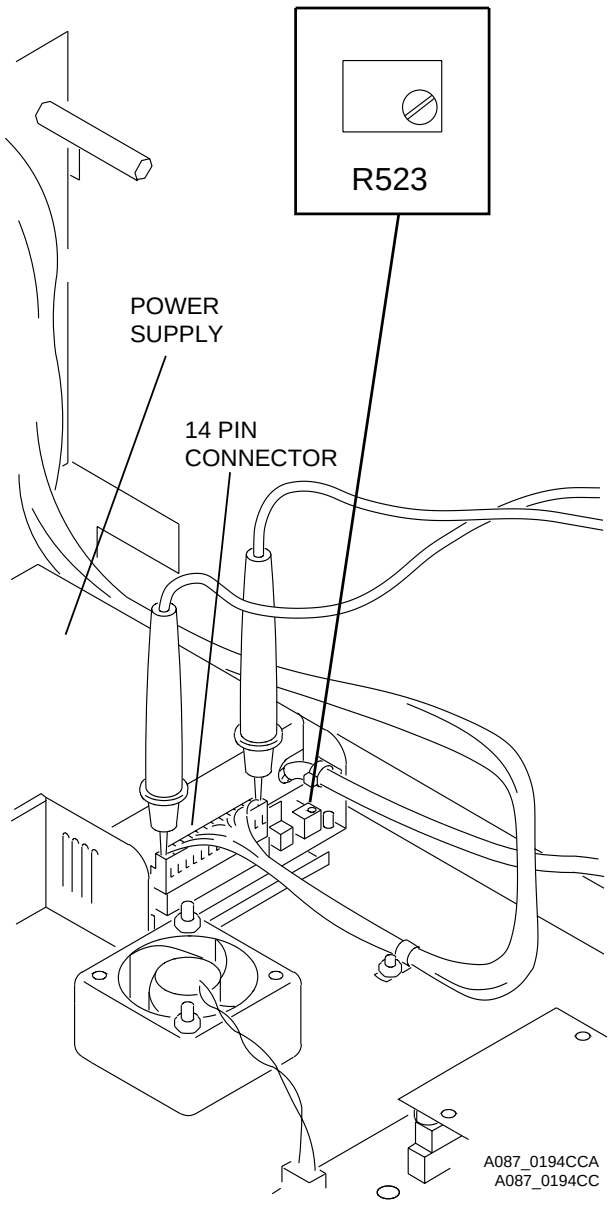
To Check:

[1] Check the VOLTAGAE SET•POINT LABEL to obtain the correct voltage.

To Adjust:



A087_0193BCB
A087_0193BC



A087_0194CCA
A087_0194CC

Important

If the VOLTAGE SET•POINT LABEL is not available, do the adjustment procedure for the "Density for the THERMAL HEAD". See Page 23.

[1] Do this adjustment when:

- a new THERMAL HEAD, CONTROLLER BD, or POWER SUPPLY is installed.
- a density change is observed.

[2] Set the DIGITAL VOLT METER (DVM) to DC voltage.

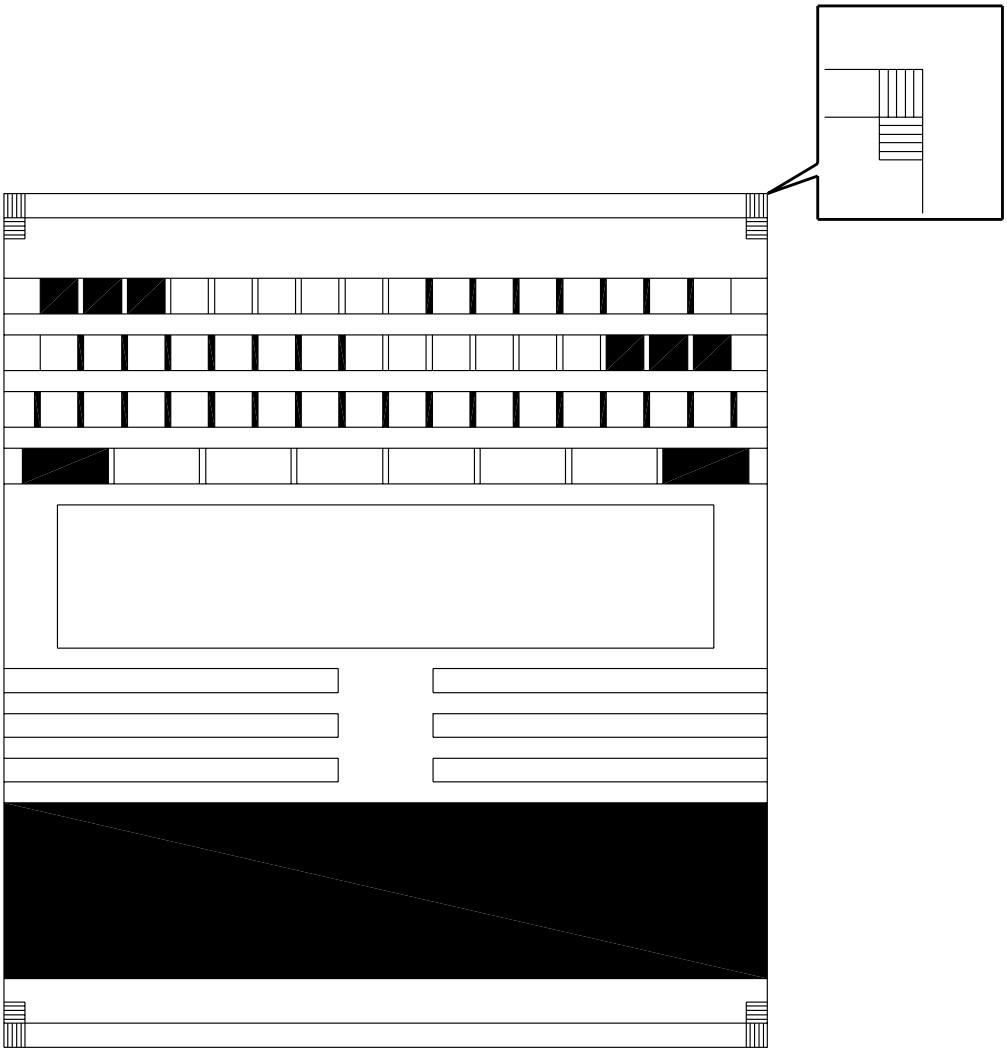
[3] Connect:

- red PROBE of the DVM to any red wire of the 14-PIN CONNECTOR
- black PROBE to any black wire of the 14-PIN CONNECTOR

[4] Adjust R523 on the POWER SUPPLY to the voltage on the VOLTAGE SET•POINT LABEL.

Density for the THERMAL HEAD

Adjustment Specification



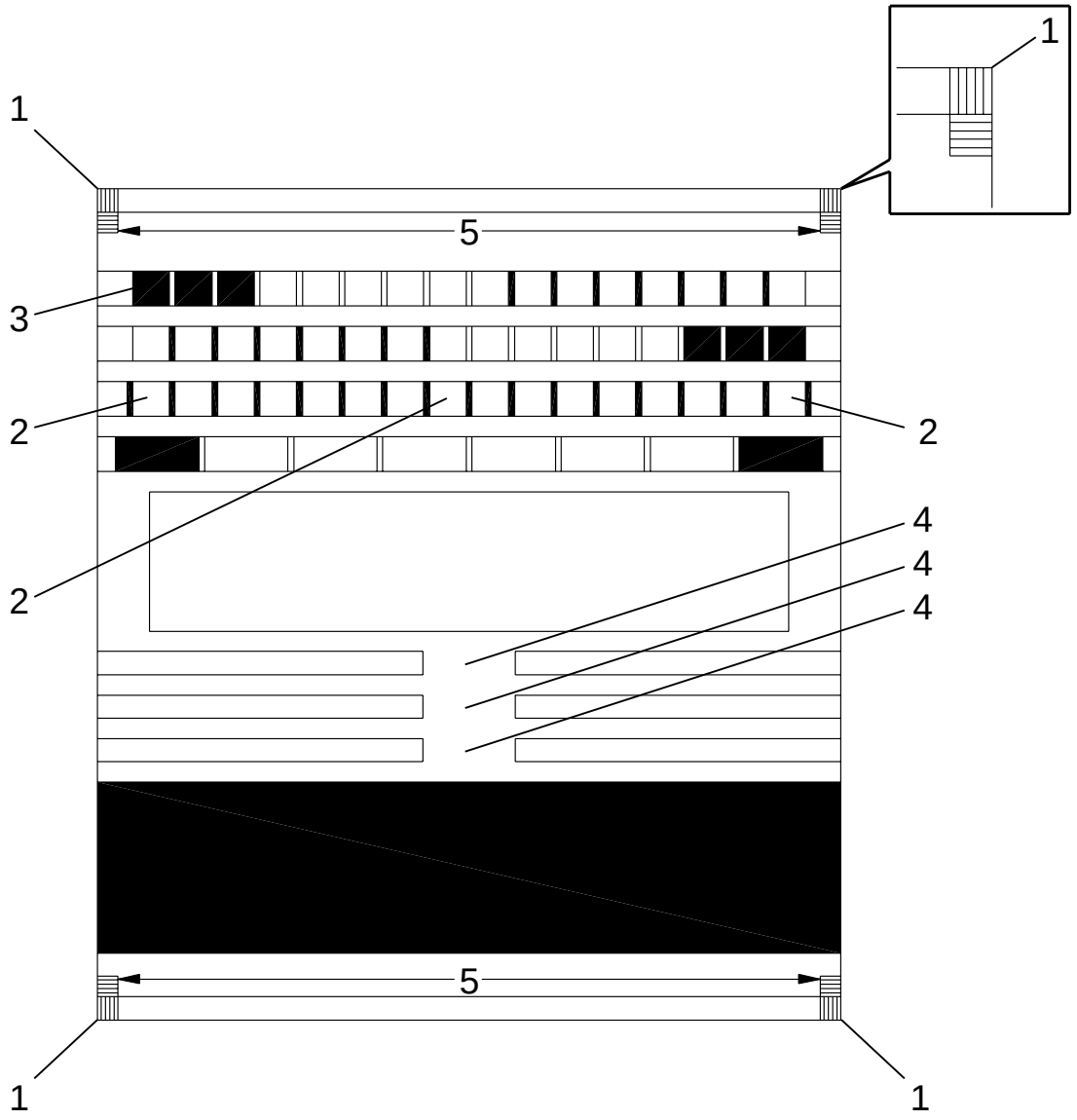
A087_5012DC

Purpose:	To set the density for the THERMAL HEAD.
Specification:	0.955 ± 0.1 MAGENTA/GREEN
Special Tools:	REFLECTIVE DENSITOMETER
Prerequisites:	Make a test print of the ENGINE.
Postrequisites:	Make a test print of the ENGINE.

To Check:

[1] Check the density on the REFLECTIVE RECEIVER.

To Adjust:



A087_5012DCA
A087_5012DC

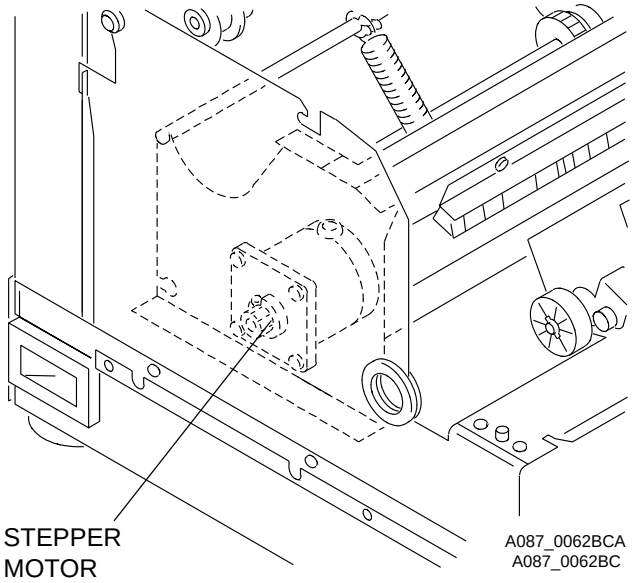
[1] Adjust the voltage on the POWER SUPPLY so the density reads 0.955 ± 0.1 MAGENTA/GREEN.

[2] Measure the density in 3 areas:

- left on ROW 2
- center on ROW 2
- right on ROW 2

STEPPER MOTOR

Adjustment Specification



Purpose: To set the reference voltage.

Specification: 0.52 ± 0.03 V DC

Special Tools: None

Prerequisites: Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

Postrequisites:
- Make a test print.
- Check for artifacts.

To Check:

[1] Check for correct specifications.

To Adjust:

Important

You must do this adjustment when you install a new:
- ROLLER AY
- CONTROLLER BD

[1] Set the DIGITAL VOLT METER (DVM) to the DC voltage, 1 V or less.

[2] Connect the following on the CONTROLLER BD. See Page 43.
- red PROBE of the DVM to TP10, PIN 1
- black PROBE to TP4, PIN 6

[3] Adjust R21 to 0.52 ± 0.03 V DC.

DONOR SENSOR

Adjustment Specification

Purpose: To set the correct specifications.
Specification: See the specifications for the BLUE and GREEN LEDs.
Special Tools: None
Prerequisites: The DONOR and the DOOR COVER must be installed.
Postrequisites: Make test prints to check for correct operation.

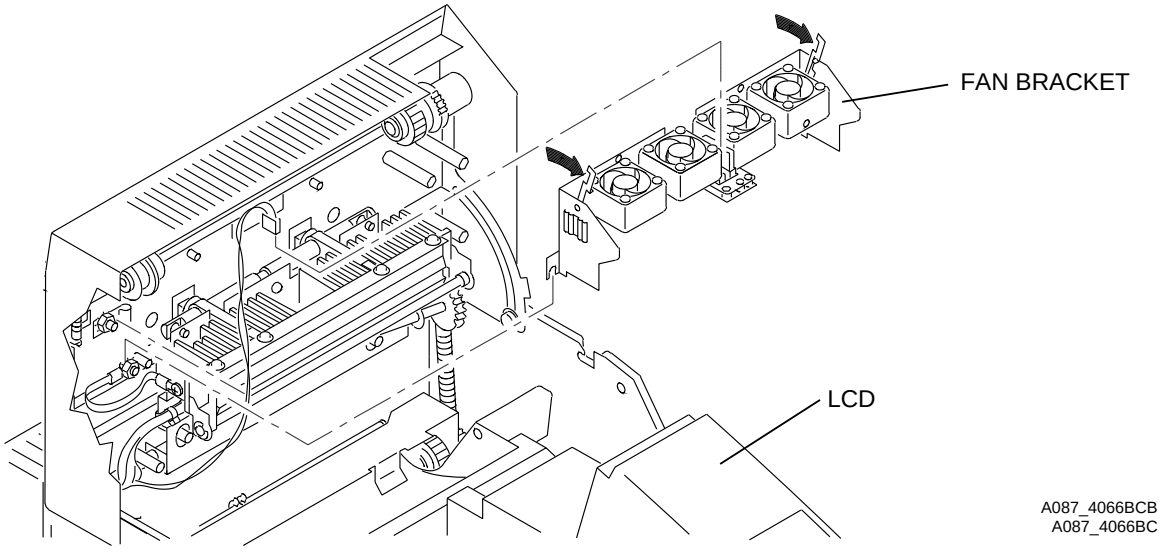
To Check:

[1] Check for the correct specifications.

Adjustment	LED	Voltage	Color Patch
R64 Red: TP8, PIN 6 Black: TP4, PIN 6	BLUE	4.40 ± 0.05 V DC	yellow
R66 Red: TP8, PIN 5 Black: TP4, PIN 6	GREEN	3.90 ± 0.05 V DC	cyan

To Adjust:

[1] To do the adjustment, use only yellow, magenta, cyan (YMC) or yellow, magenta, cyan, laminate (YMCL).



BLUE LED

[2] Enter the diagnostics. Select the test for the DONOR.

[3] Advance the DONOR until a not used patch of yellow DONOR covers the BLUE and GREEN LEDs on the FAN BRACKET.

Important

Do not acknowledge the “COLOR INDICATOR” on the LCD.

[4] Close the DOOR.

[5] Set the DVM to DC voltage.

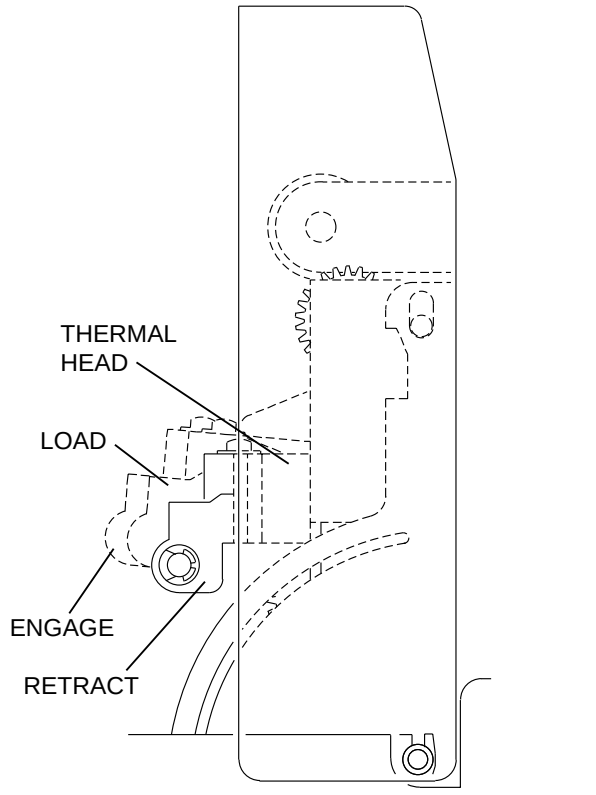
[6] Connect the following on the CONTROLLER BD. See Page 43.

- red PROBE of the DVM to TP8, PIN 6
- black PROBE of the DVM to TP4, PIN 6

[7] Adjust R64 to 4.40 ± 0.05 V DC.

[8] If you <u>can</u> adjust R64 to 4.40 ± 0.05 V DC, go to the adjustment for the GREEN LED. See Step 29.

[9] If you <u>cannot</u> adjust R64 to 4.40 ± 0.05 V DC, do Steps 10 to 25.



A114_0013GCB
A114_0013GC

[10] Open the DOOR.

Caution

Prevent damage. Do not touch the DONOR. Contamination will occur.

[11] Remove the DONOR.

[12] Select “DIAG: HEAD TEST”. See Publication No. DG2935-l.

[13] Place the THERMAL HEAD in the ENGAGE position.

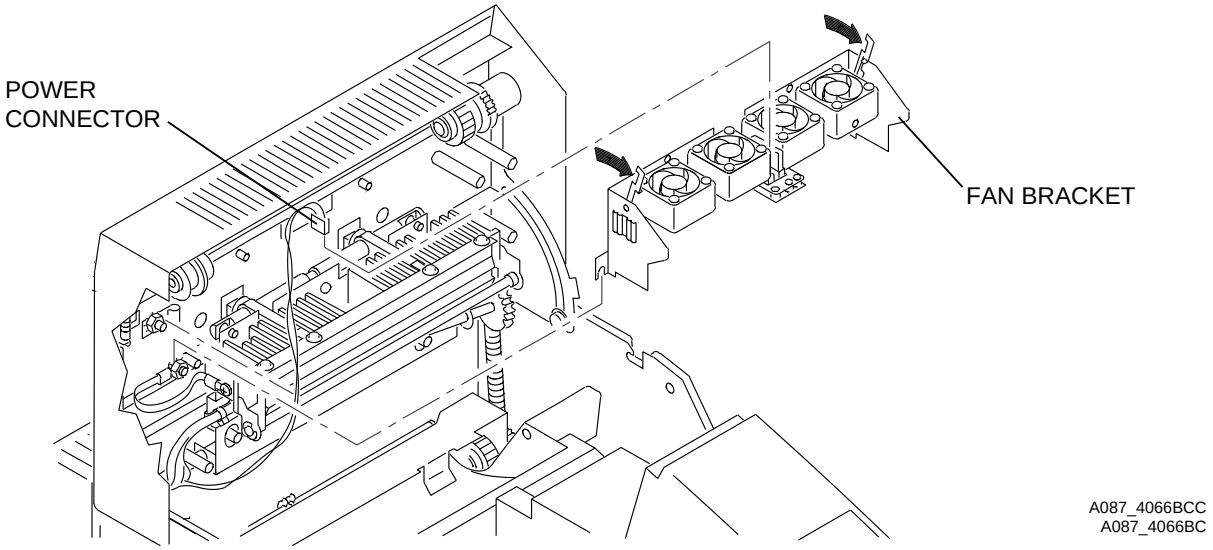
[14] Observe the movement of the THERMAL HEAD. The THERMAL HEAD should move from the RETRACT position to the ENGAGE position.

[15] Do this procedure again to check that the THERMAL HEAD is in the ENGAGE position.

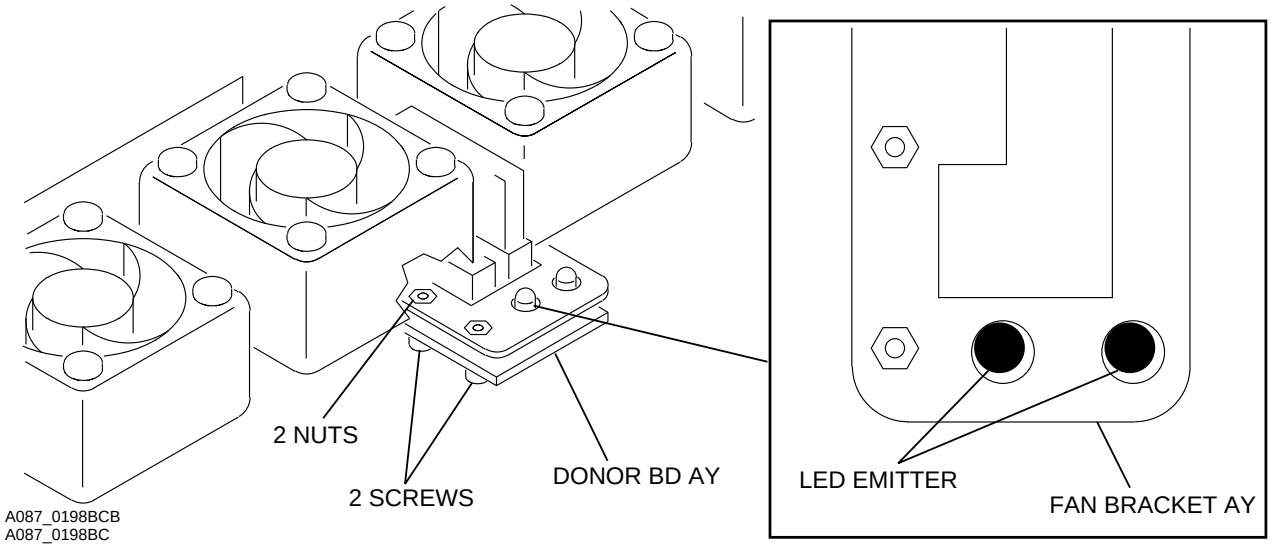
Warning

Dangerous Voltage

[16] De-energize the PRINTER when the THERMAL HEAD is in the ENGAGE position.



[17] Remove the POWER CONNECTOR from the FAN BRACKET.



[18] Loosen the 2 NUTS on the left and right sides of the FAN BRACKET AY. Use the 5/16 in. NUT DRIVER.

[19] Remove:

- 2 5/16 in. NUTS in the center of the FAN BRACKET AY
- FAN BRACKET AY

[20] Loosen the 2 SCREWS holding the DONOR BD AY to the FAN BRACKET AY.

[21] Adjust the DONOR BD AY until the BLUE and GREEN LED EMITTERS are in the correct position on the FAN BRACKET AY.

[22] Tighten the 2 SCREWS.

[23] Install:

- FAN BRACKET AY
- POWER CONNECTOR

Warning
Dangerous Voltage

[24] Energize the PRINTER.

[25] Do the adjustment for the BLUE LED again.

GREEN LED

[26] Advance the DONOR until a not used patch of cyan DONOR covers the BLUE and GREEN LEDs on the FAN BRACKET.

[27] Close the DOOR.

[28] Connect the red PROBE of the DVM to TP8, PIN 5. See Page 43.

[29] Adjust R66 to 3.90 ± 0.05 V DC.

[30] If you cannot do the adjustment for R66, do Steps 10 - 25.

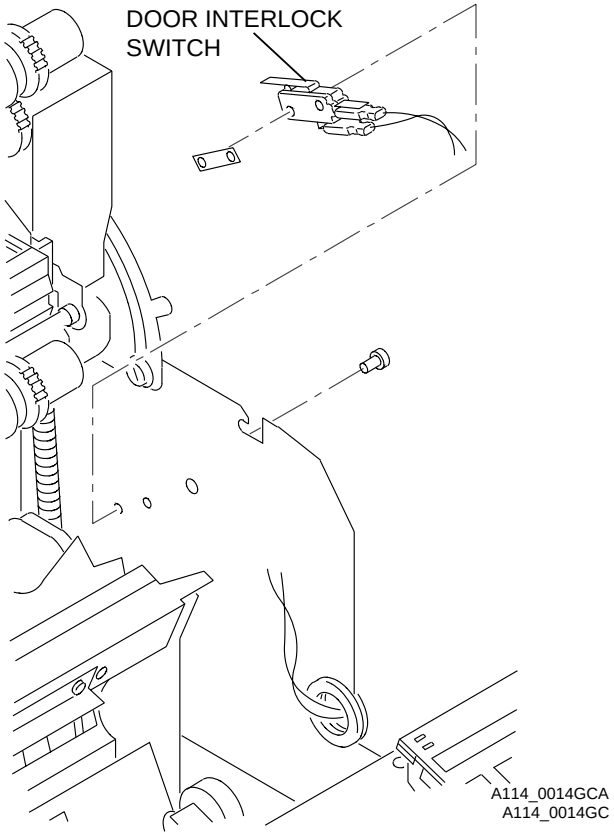
Final Check

[31] Check the LEDs with all of the color patches for correct voltages:

Color Patch	BLUE LED	GREEN LED
yellow	4.40 ± 0.05 V DC	< 0.5 V DC
magenta	> 3.5 V DC	> 3.5 V DC
cyan	< 0.5 V DC	3.90 ± 0.05 V DC
laminate	< 0.5 V DC	< 0.5 V DC

DOOR INTERLOCK SWITCH

Adjustment Specification

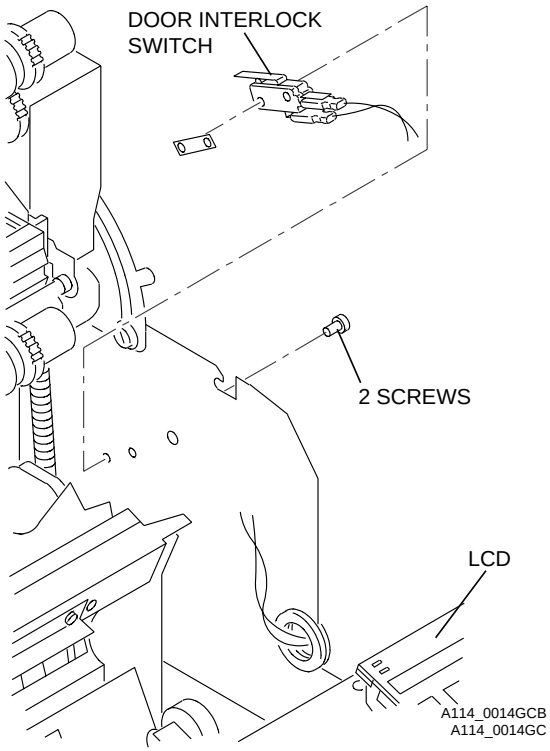


Purpose: To make the DOOR INTERLOCK SWITCH operate correctly.
Specification: The LCD will display “READY” or “CLOSE COVER”.
Special Tools: None
Prerequisites: None
Postrequisites: Check for correct operation.

To Check:

[1] Check the LCD for any error messages when the DOOR is closed.

To Adjust:



[1] Install the DOOR INTERLOCK SWITCH.

[2] Close the DOOR.

Warning
Dangerous Voltage

[3] Energize the PRINTER.

[4] Check that the LCD displays either:

- "READY"
- "CLOSE COVER"

[5] If the LCD displays "CLOSE COVER":

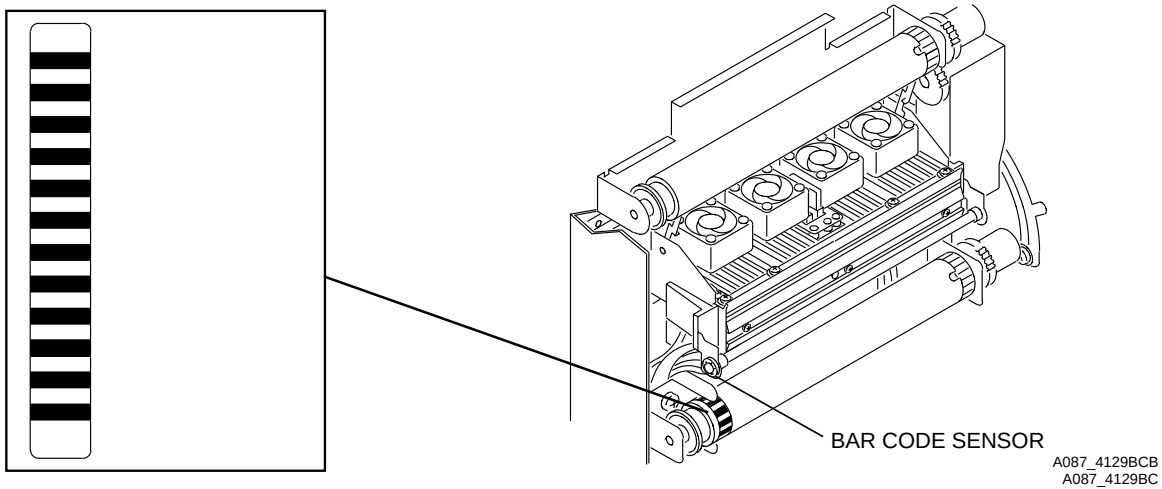
(a) move the DOOR INTERLOCK SWITCH up.

(b) tighten the 2 SCREWS.

[6] Open and close the DOOR 3 times to check that the LCD displays "READY".

BAR CODE SENSOR

Adjustment Specification

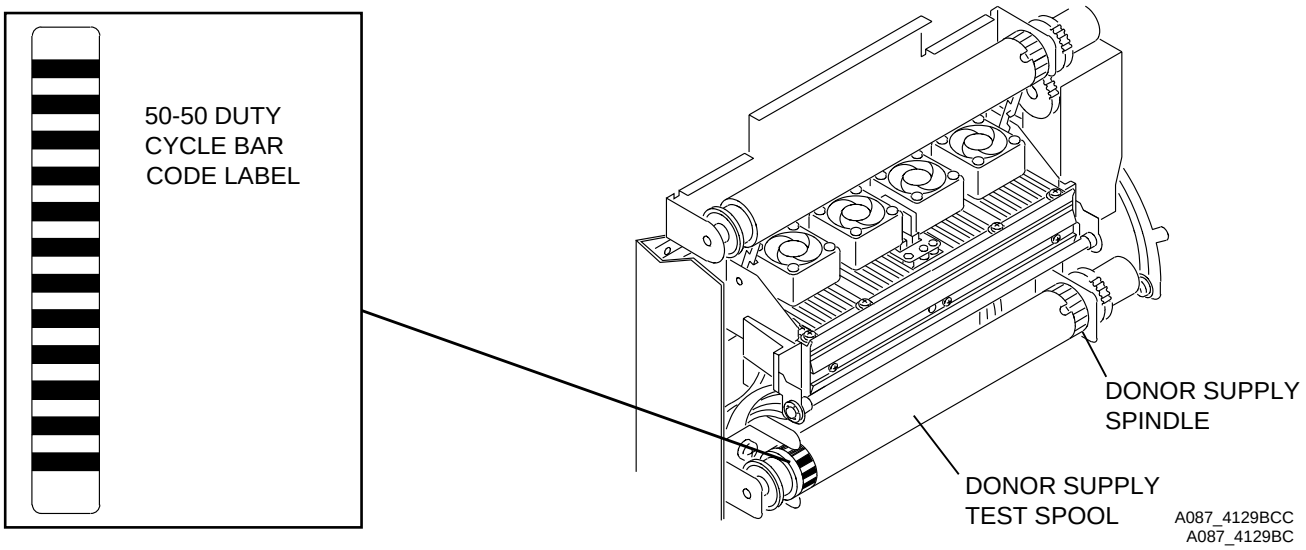


Purpose:	To allow the BAR CODE SENSOR to read the DONOR BAR CODE LABEL correctly.
Specification:	Component R16, 2.50 ± 0.1 V DC
Special Tools:	BAR CODE SENSING ADJUSTMENT TOOL KIT TL-4953
Prerequisites:	Do the removal procedure for the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.
Postrequisites:	Check the LCD DISPLAY for the correct type of RIBBON.

To Check:

[1] Check that the BAR CODE SENSOR is correct.

To Adjust:



Important

Do this adjustment when:

- a new CONTROLLER BD or DONOR SUPPLY BRACKET is installed.
- Error Codes 510 or 511 displays on the LCD.
- the message “Check RIBBON/DONOR” displays on the LCD.

Warning

Dangerous Voltage

[1] De-energize the PRINTER.

Caution

Prevent damage. Do not touch the DONOR. Contamination will occur.

[2] Remove the DONOR if installed.

[3] Install the DONOR SUPPLY TEST SPOOL that is included with the BAR CODE SENSING ADJUSTMENT TOOL KIT TL-4953.

[4] Check that the 50-50 DUTY CYCLE BAR CODE LABEL is installed.

[5] Rotate the DONOR SUPPLY TEST SPOOL until it is seated on the TABS of the DONOR SUPPLY SPINDLE.

[6] Do the removal procedure for the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

[7] Locate TP4 on the CONTROLLER BD. See Page 43.

[8] Connect the DIGITAL VOLT METER (DVM) to:

- TP4, PIN 4 (+)
- TP4, PIN 6 (-)

[9] Remove CONNECTOR P13 from the CONTROLLER BD. See Page 43.

[10] Set the S1 SWITCH to the ENGINE MODE.

Warning

Dangerous Voltage

[11] Energize the PRINTER.

[12] Close the DOOR.

[13] Enter the diagnostics. Scroll to “DIAG: DONOR TEST”.

[14] Press:

- **(a)** SETUP/SELECT BUTTON
- **(b)** CANCEL BUTTON to advance to “DNR: ADVANCE”
- **(c)** hold the SETUP/SELECT BUTTON to rotate the SUPPLY SPOOL

[15] Adjust R16 to 2.50 ± 0.1 V DC at TP4, PIN 4.

[16] Exit the diagnostics.

[17] De-energize the PRINTER.

[18] Open the DOOR. Remove the DONOR SUPPLY TEST SPOOL.

Caution

Prevent damage. Do not touch the DONOR. Contamination will occur.

[19] Install the DONOR if removed.

[20] Connect the CONNECTOR P13 to the CONTROLLER BD.

[21] Set the S1 SWITCH to the EXTERNAL MODE.

[22] Energize the PRINTER.

THERMAL HEAD LOAD GAP

Adjustment Specification

Purpose:	To decrease STRETCH and have correct transport for the RECEIVER and DONOR.
Specification:	0.080 ± 0.010 in.
Special Tools:	HEAD LOAD GAP TOOL TL-5258
Prerequisites:	Remove: • DOOR COVER - see Page 40 • CONTROLLER ENCLOSURE AND DRAWER AY - see Page 39
Postrequisites:	Make a test print for the correct operation.

To Check:

[1] Check that the alignment for the BASE ENCLOSURE is correct. See the adjustment for the BASE ENCLOSURE WALLS, Page 36.

To Adjust:

Warning

Dangerous Voltage

[1] Energize the PRINTER.

[2] Enter the diagnostics for the ENGINE. See the “LCD - Diagnostics” Section in the DIAGNOSTICS, Publication No. DG2935-1.

[3] Close the DOOR.

Important

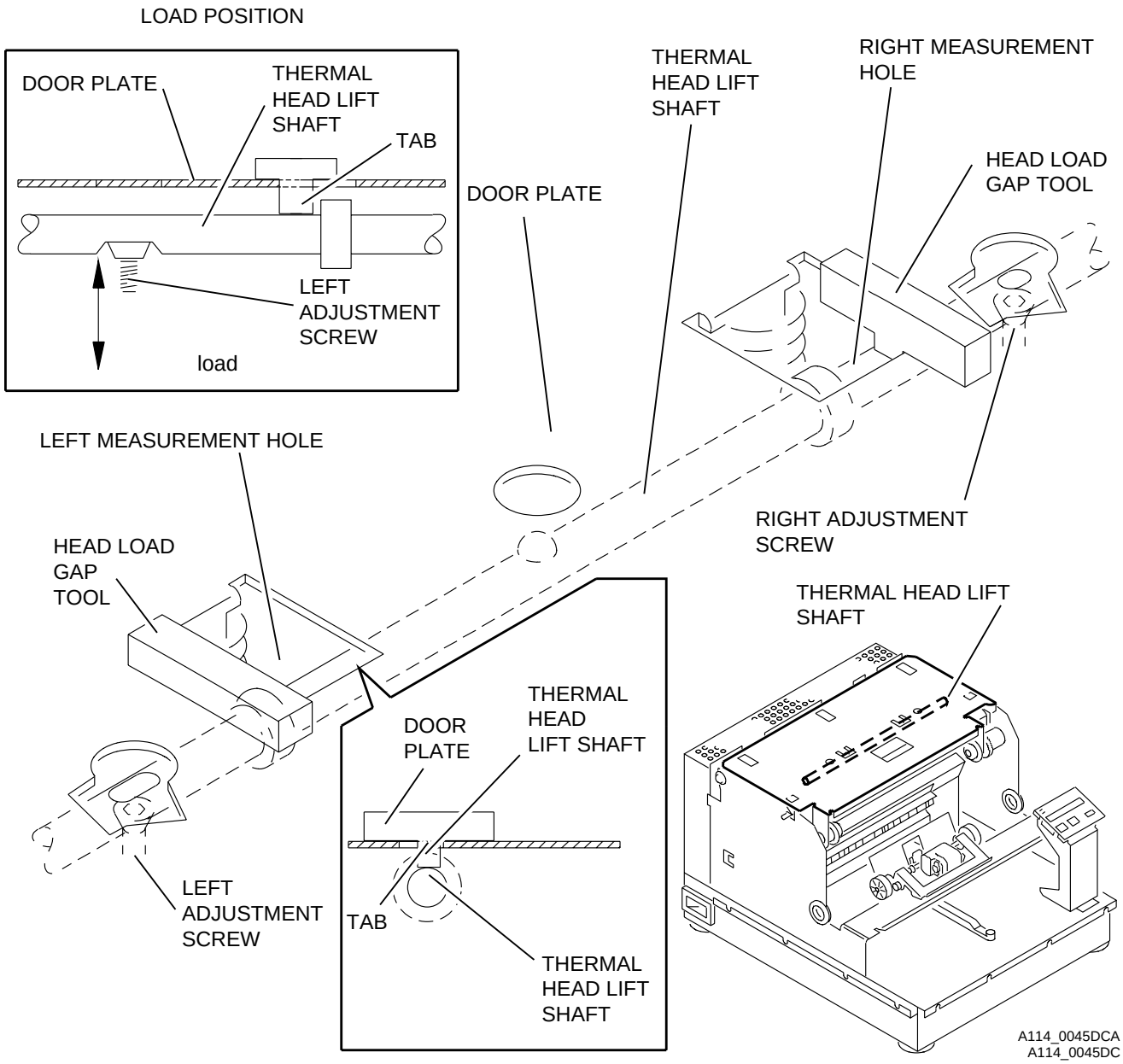
The THERMAL HEAD must be in the LOAD 2 position to check or adjust.

[4] Advance to:

(a) “DIAG: HEAD TEST”

(b) “HEAD: LOAD”; press SETUP/SELECT BUTTON to move the THERMAL HEAD to the LOAD 1 position.

(c) Press the SETUP/SELECT BUTTON again to move the THERMAL HEAD to the LOAD 2 position.



[5] Place the HEAD LOAD GAP TOOL TL-5258 in the LEFT MEASUREMENT HOLE on the DOOR PLATE.

[6] Check:

- that the TOOL is flat on the DOOR PLATE.
- that the TAB of the TOOL touches the top of the THERMAL HEAD LIFT SHAFT when the TOOL is moved forward and backward.

[7] If the TOOL is flat on the DOOR PLATE, but the TAB of the TOOL does not touch the THERMAL HEAD LIFT SHAFT, rotate the LEFT ADJUSTMENT SCREW counterclockwise.

[8] If the TAB touches the top of the THERMAL HEAD LIFT SHAFT, but the TOOL is not flat on the DOOR PLATE, rotate the LEFT ADJUSTMENT SCREW clockwise.

[9] Do Steps 5 to 8 for the RIGHT MEASUREMENT HOLE.

[10] Go to:

(a) "HEAD: RETRACT"

(b) "HEAD: LOAD"

[11] Check the adjustment. If the adjustment is not correct, do Steps 5 to 9 again.

BASE ENCLOSURE WALLS

Adjustment Specification

Purpose: To make the PRINTER operate correctly.

Specification: The REAR WALL, SIDE WALL, and LOCKING TABS have no damage.

Special Tools: None

Prerequisites: Remove:
- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41

Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

Postrequisites: Make a test print to check for correct operation.

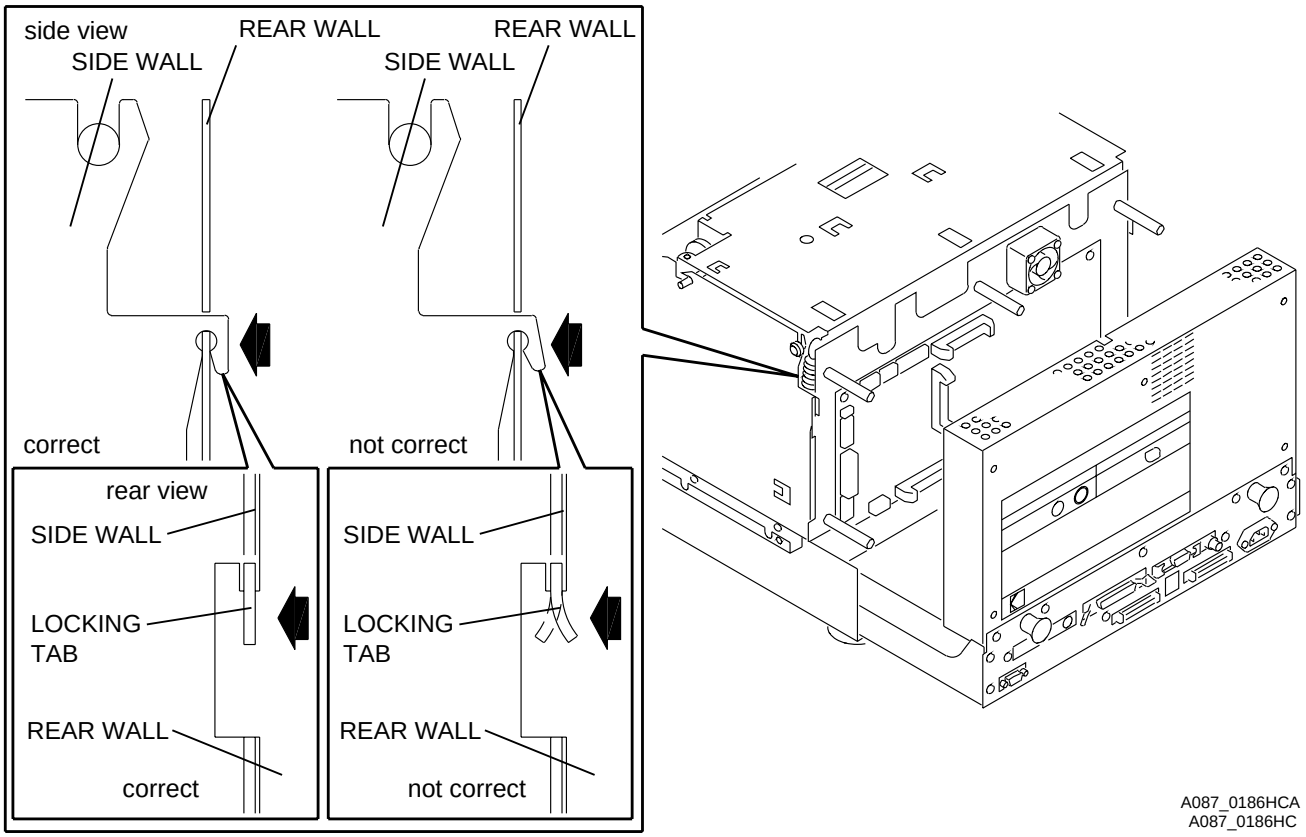
To Check:

[1] Check for damage in the REAR WALL, SIDE WALL or LOCKING TABS.

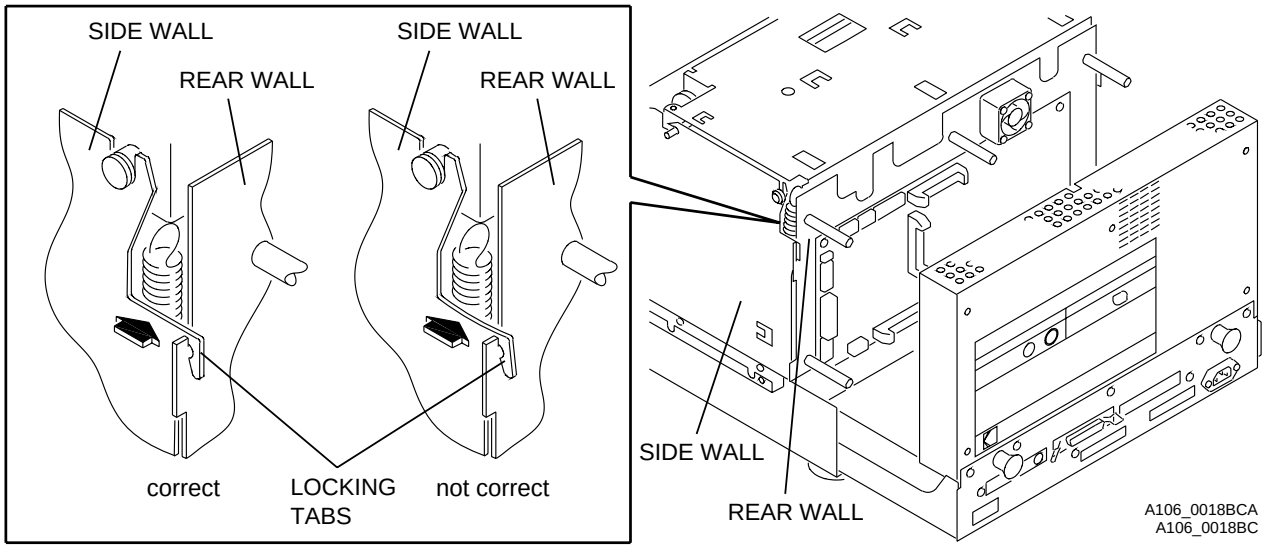
Note

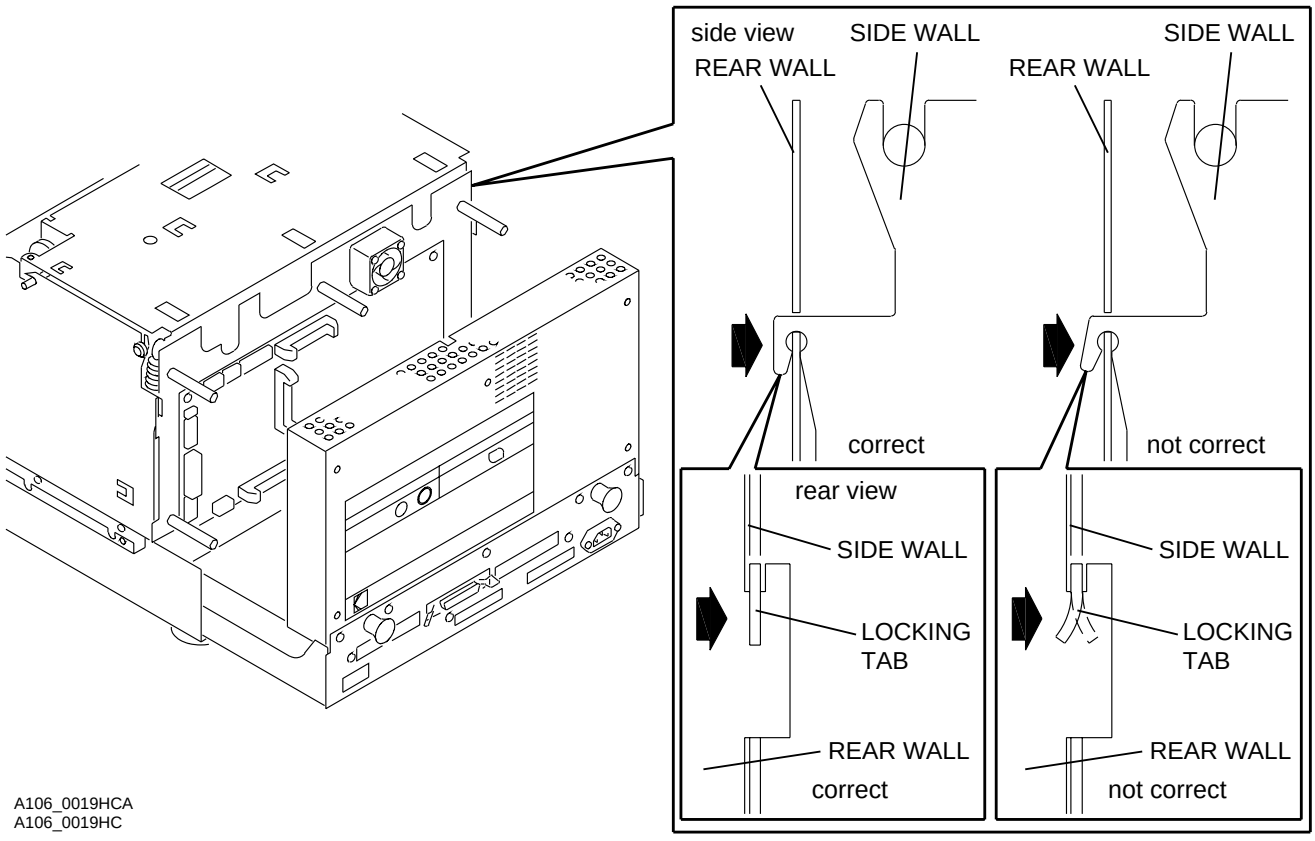
If the REAR WALL, SIDE WALL, or LOCKING TABS are bent, remove and install a new BASE ENCLOSURE.

To Adjust:

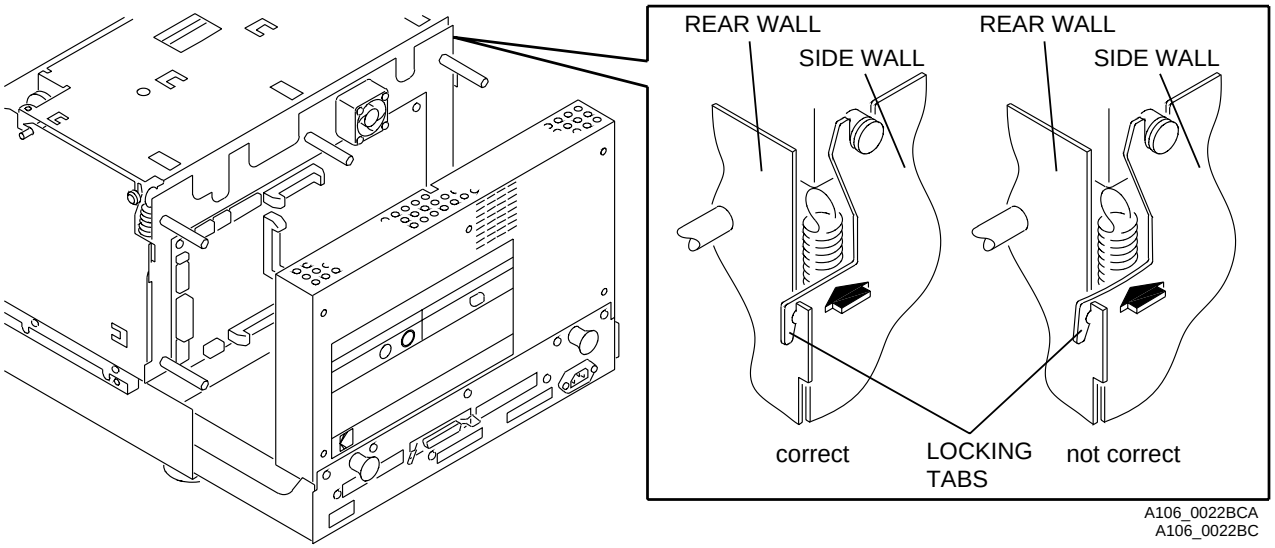


[1] Check that the LOCKING TABS are not bent up or to the left or right sides.





[2] Check the left SIDE WALL that connects with the REAR WALL is flat.



[3] Check that the right SIDE WALL that connects with the REAR WALL is flat.

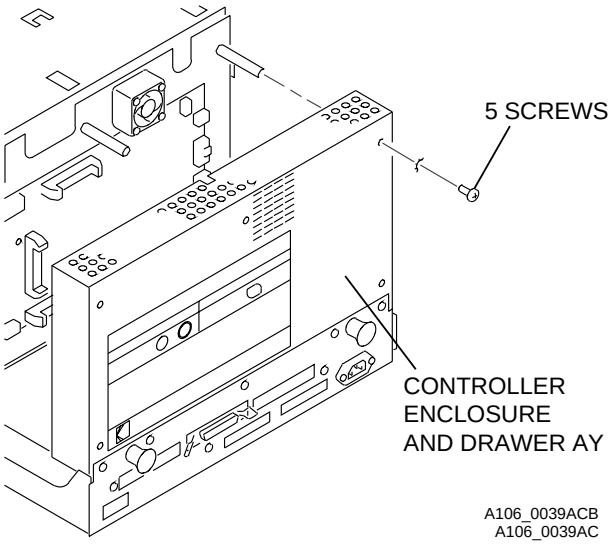
Section 2: Replacements

CONTROLLER ENCLOSURE AND DRAWER AY

Prerequisites:

None

To Open:



[1] Remove the 5 SCREWS.

[2] Open and extend the CONTROLLER ENCLOSURE AND DRAWER AY to the maximum.

To Close:

[1] Reverse the steps for the removal procedure.

Postrequisites:

None

DOOR COVER

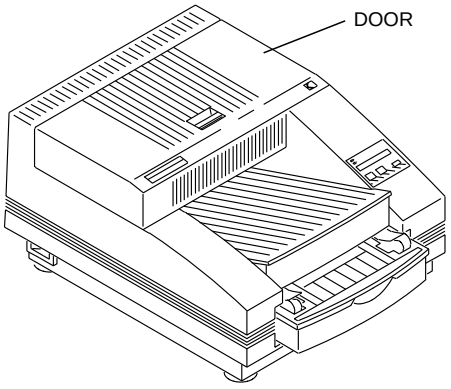
Prerequisites:

Caution

Prevent damage. Do not touch the DONOR. Contamination will occur.

[1] Remove the DONOR.

To Remove:



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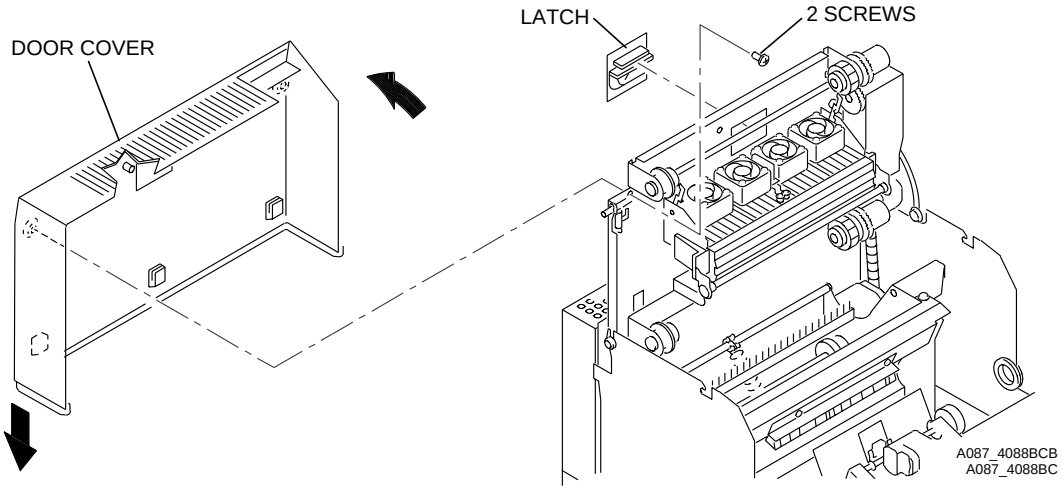
Warning

Dangerous Voltage

[1] De-energize the PRINTER.

[2] Open the DOOR and lift it up.



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[3] Remove:

- 2 SCREWS
- DOOR COVER
- LATCH

[4] Check the 3 notches inside the DOOR COVER for damage. If the notches have damage, install a new DOOR COVER.

To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

[1] Check that the DOOR opens and closes correctly.

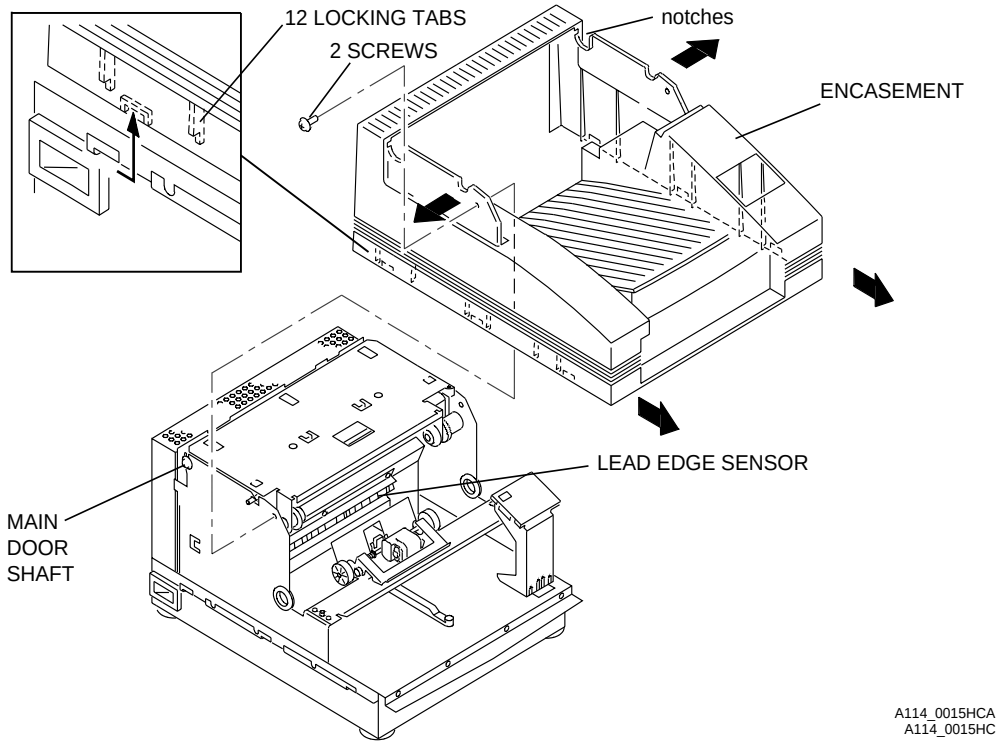
ENCASEMENT

Prerequisites:

[1] Remove:

- DOOR COVER - see Page 40
- PAPER TRAY

To Remove:



[1] Remove the 2 SCREWS.

Caution

Observe the position of the LEAD EDGE SENSOR. Do not cause damage to the parts or wires on the right side of the ENCASEMENT.

[2] Move the ENCASEMENT 1.25 cm (1/2 in.) forward.

[3] Pull the ENCASEMENT up.

[4] Align the notches in the left and right sides of the ENCASEMENT over the MAIN DOOR SHAFT.

[5] Remove the ENCASEMENT.

[6] Check the 12 LOCKING TABS for damage. If the LOCKING TABS have damage, install a new ENCASEMENT.

To Install:

Caution

Do not cause damage to the parts or wires on the right side of the ENCASEMENT.

[1] Reverse the steps in the removal procedure.

Postrequisites:

[1] Check that the ENCASEMENT is installed correctly.

MULTIPLE CONNECTORS

Prerequisites:

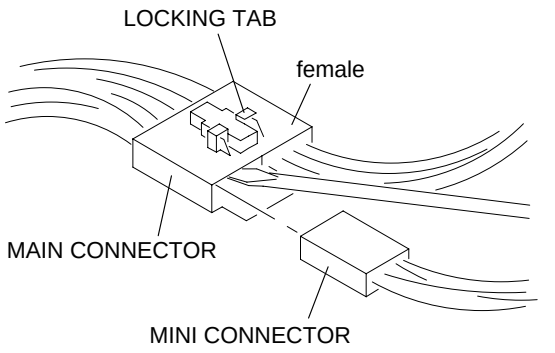
None

To Remove:

Important

Some of the CONNECTORS on the CONTROLLER BD are MULTIPLE CONNECTORS. See the graphic for the CONTROLLER BD on Page 43. MULTIPLE CONNECTORS are CONNECTORS of individual components that are inserted into a larger CONNECTOR, then inserted into the another CONNECTOR on the CONTROLLER BD. These CONNECTORS are:

- P1
- P2
- P4
- P6
- P9
- P10
- P11



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[1] Do the following procedure to disconnect a MULTIPLE CONNECTOR:

- **(a)** Press the LOCKING TAB.
- **(b)** Remove the MULTIPLE CONNECTOR from the CONTROLLER BD CONNNECTOR.
- **(c)** With the LOCKING TAB in the up position, insert a small FLAT-BLADE SCREWDRIVER between the top of the MAIN CONNECTOR and the MINI CONNECTOR.
- **(d)** Remove the MINI CONNECTOR to allow access to its components.

To Install:

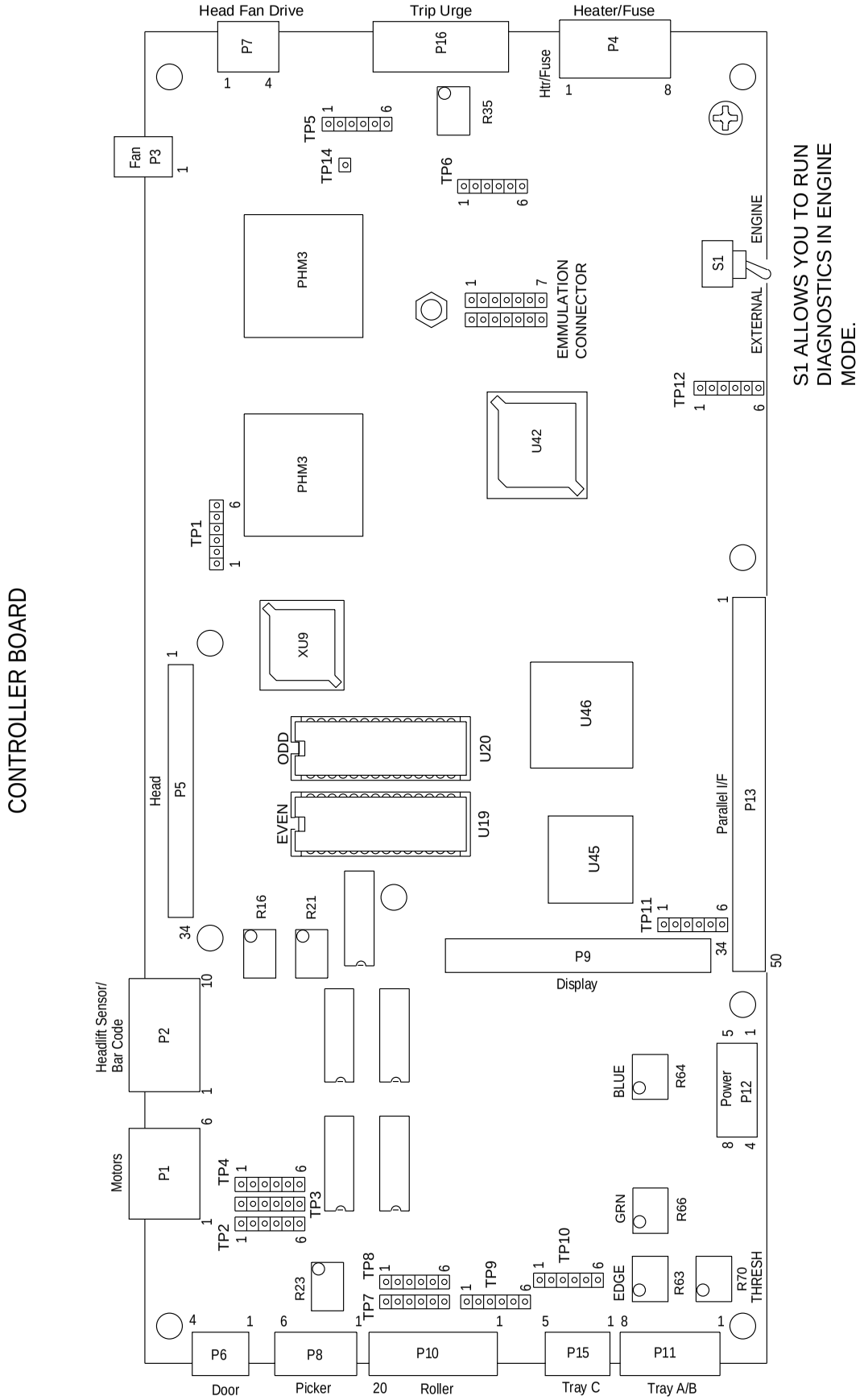
[1] Reverse the steps in the removal procedure.

Postrequisites:

None

CONTROLLER BD

Prerequisites:



[1] Enter the diagnostics.

[2] Record prints completed. See the DIAGNOSTICS, Publication No. DG2935-1, “PRN USAGE”.

Warning

Dangerous Voltage

[3] De-energize and disconnect the PRINTER.

[4] Open and extend the CONTROLLER ENCLOSURE AND DRAWER AY to the maximum. See Page 39.

To Remove:

[1] Disconnect all CONNECTORS on the CONTROLLER BD.

[2] Remove:

- all SCREWS on the CONTROLLER BD
- CONTROLLER BD

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Adjust:

- LEAD EDGE SENSOR
- DONOR SENSORS
- BAR CODE SENSOR
- RECEIVER THRESHOLD
- RECEIVER TYPE SENSOR
- STEPPER MOTOR

TRAY TYPE SENSORS

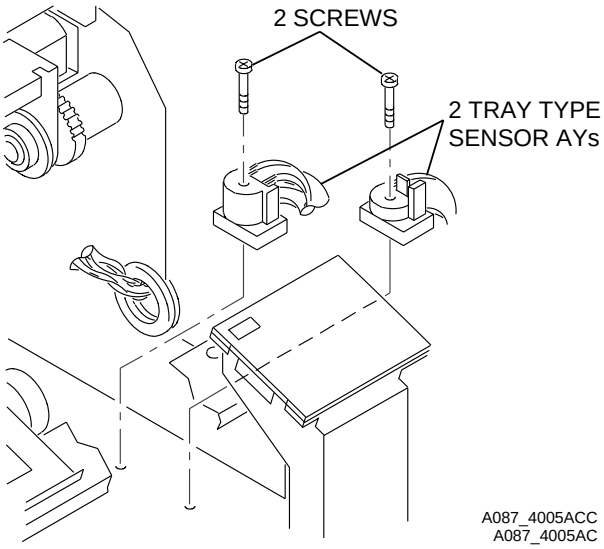
Prerequisites:

[1] Remove:

- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



Important

It might be necessary to remove both of the TRAY TYPE SENSORS.

[1] Remove:

- SCREW
- TRAY TYPE SENSOR that has the malfunction

[2] Disconnect the following CONNECTORS from the CONTROLLER BD. See Page 43.

- P11 - for TRAY A and B SENSOR
- P15 - for TRAY C SENSOR

[3] Remove the HARNESS from either P11 and P15.

To Install:

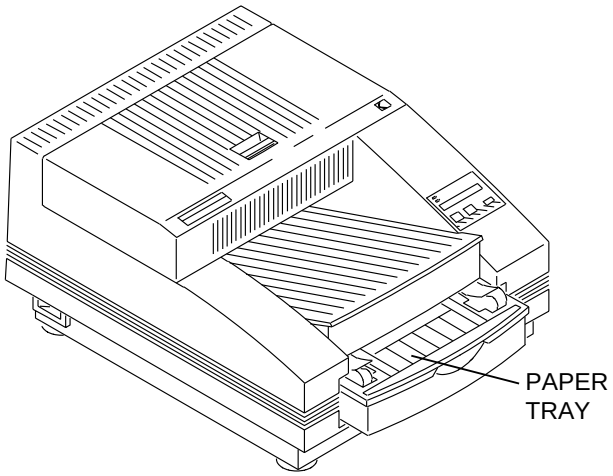
[1] Reverse the steps in the removal procedure.

Postrequisites:

[1] Check that the TRAY TYPE SENSOR detects the correct size of the TRAY.

PICKER AY

Prerequisites:



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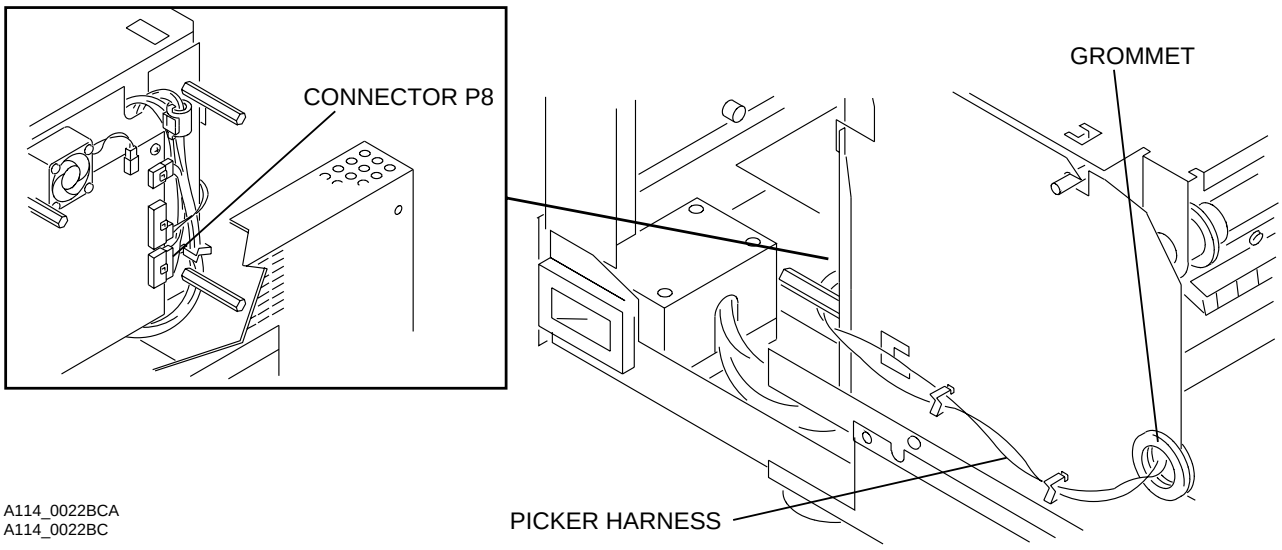
[1] Remove the PAPER TRAY.

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

[3] Remove:

- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41

To Remove:



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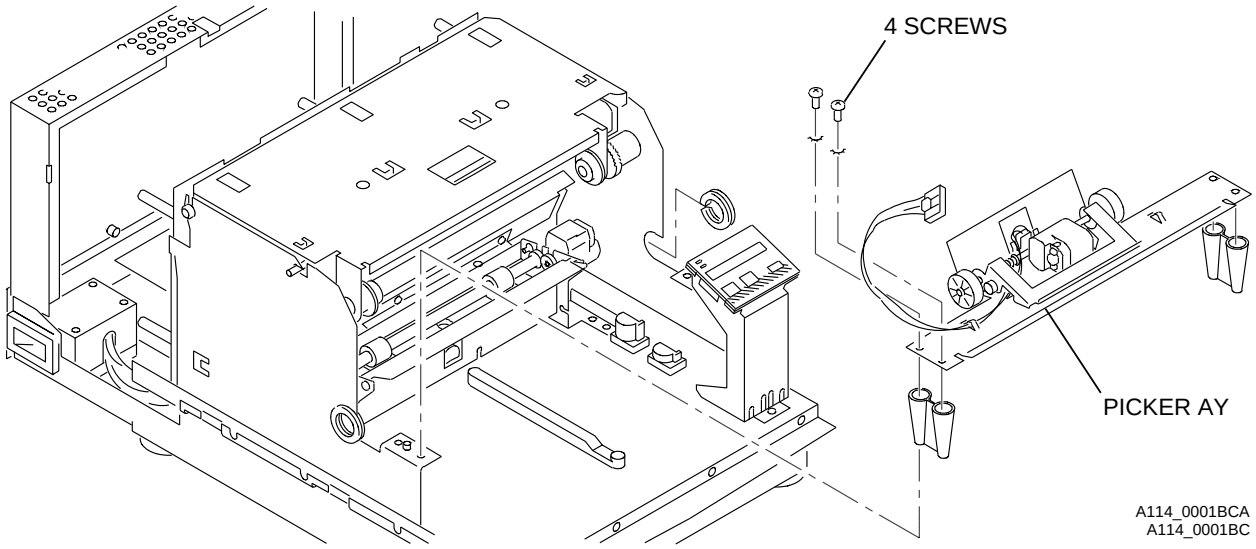
[1] Remove:

- CONNECTOR P8
- PICKER HARNESS
- GROMMET



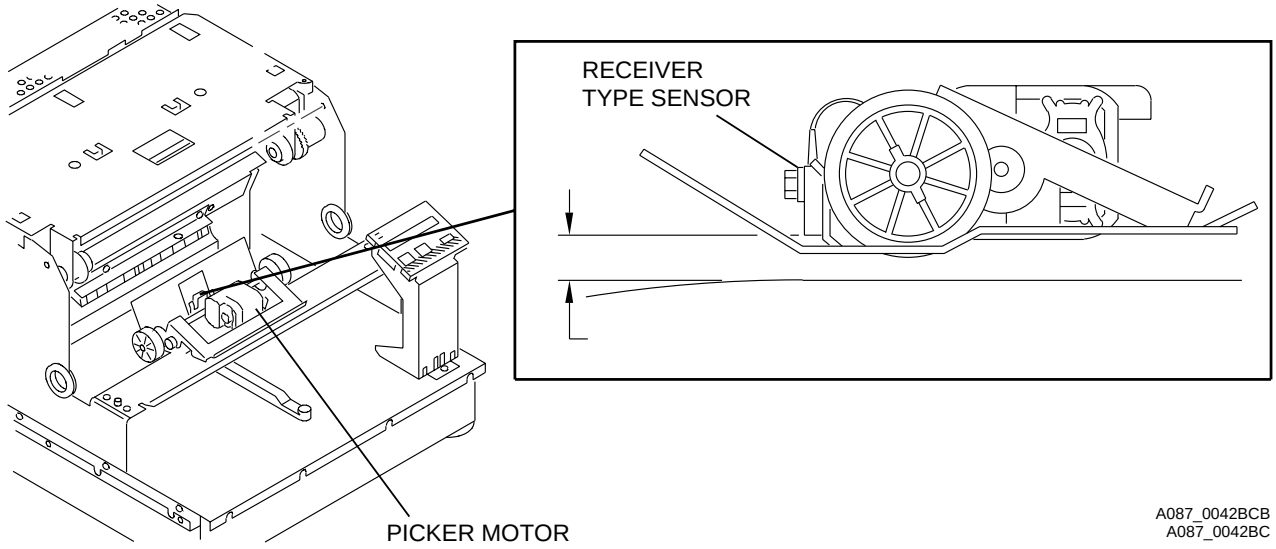
[2] Remove:

- 4 SCREWS
- PICKER AY

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:



[1] Adjust:

- PICKER PENETRATION - see Page 7
- RECEIVER TYPE SENSOR - see Page 20

[2] Do these diagnostic tests, see Publication No. DG2935-1:

- “DIAG: RECEIVER, SIZE and TYPE”
- “DIAG OPTIONS: PICK/EJECT”

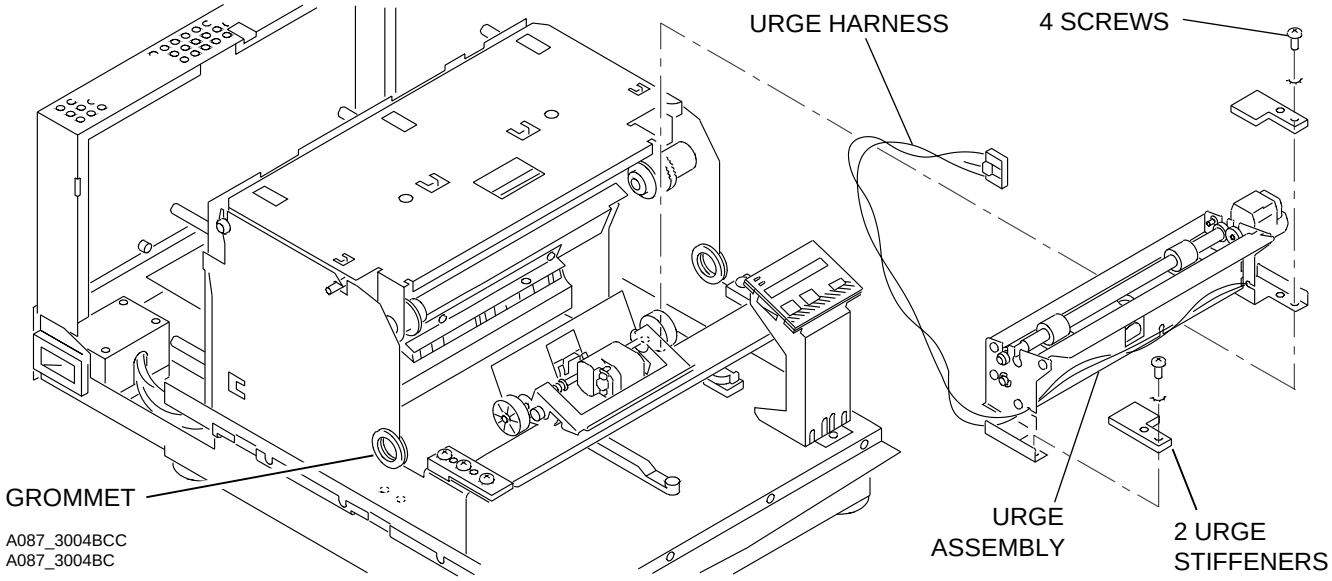
URGE ASSEMBLY - XLS 8657 DIGITAL PRINTER

Prerequisites:

[1] Remove:

- DOOR COVER - see Page 40
- PICKER AY - see Page 46

To Remove:



[1] Remove:

- CONNECTOR P16 from the CONTROLLER BD - see Page 43
- URGE HARNESS
- GROMMET
- 4 SCREWS
- URGE AY
- URGE STIFFENERS

[2] Install the PICKER AY. See Page 46.

To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

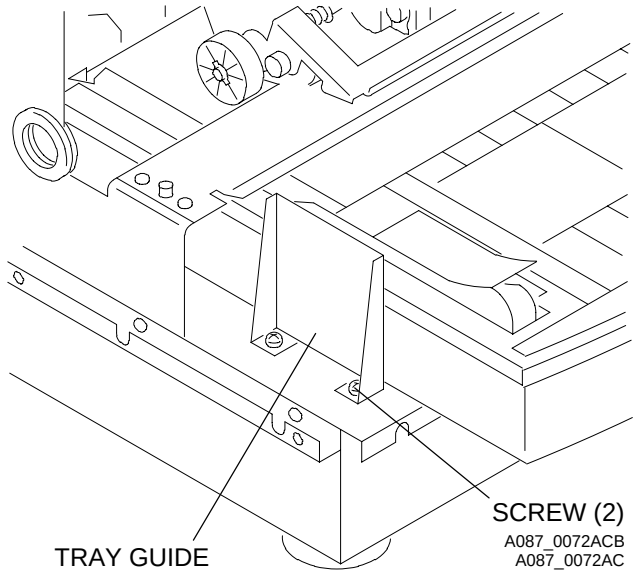
[1] Do the diagnostic test “DIAG OPTIONS: PICK/EJECT. See DIAGNOSTICS, Publication No. DG2935-1.

TRAY GUIDE

Prerequisites:

[1] Remove the DOOR COVER. See Page 40.

To Remove:



[1] Remove:
- 2 SCREWS
- TRAY GUIDE

To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

[1] Do the following diagnostic tests. See DIAGNOSTICS, Publication No. DG2935-1.
- "DIAG: RECEIVER"
- "RCVR: TRAY"

[2] Check for correct operation.

Important

The S1 SWITCH on the CONTROLLER BD must be in the ENGINE MODE.

[3] Check that the S1 SWITCH is in the ENGINE MODE on the CONTROLLER BD. See Page 43.

[4] Make a test print of the ENGINE.

Warning

Dangerous Voltage

[5] De-energize the PRINTER.

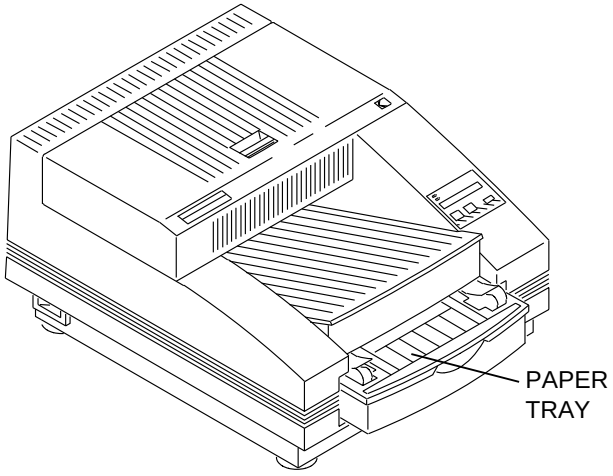
[6] Set the S1 SWITCH on the CONTROLLER BD to the EXTERNAL MODE.

ROLLER AY

Prerequisites:

Special Tools:

- LONG MAGNETIC SCREWDRIVER TL-4505
- T-15 TORX INSERT BLADE TL-3258



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[1] Remove:

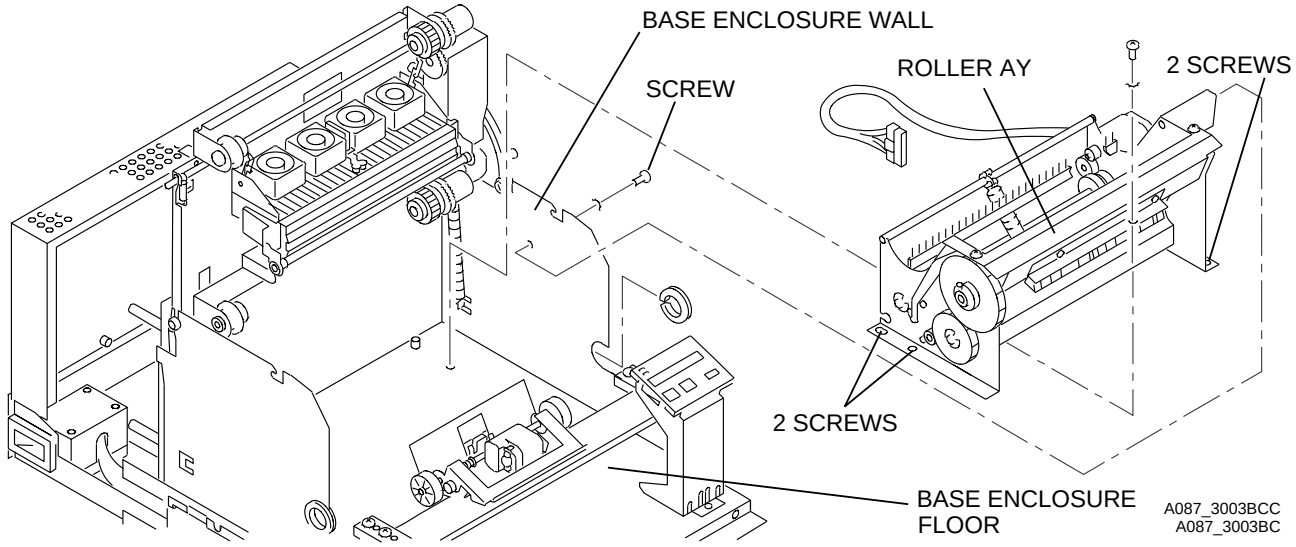
- PAPER TRAY
- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

[3] Remove:

- PICKER AY - see Page 46
- URGE AY for the XLS 8657 DIGITAL PRINTER - see Page 48

To Remove:



A087_3003BCC
A087_3003BC

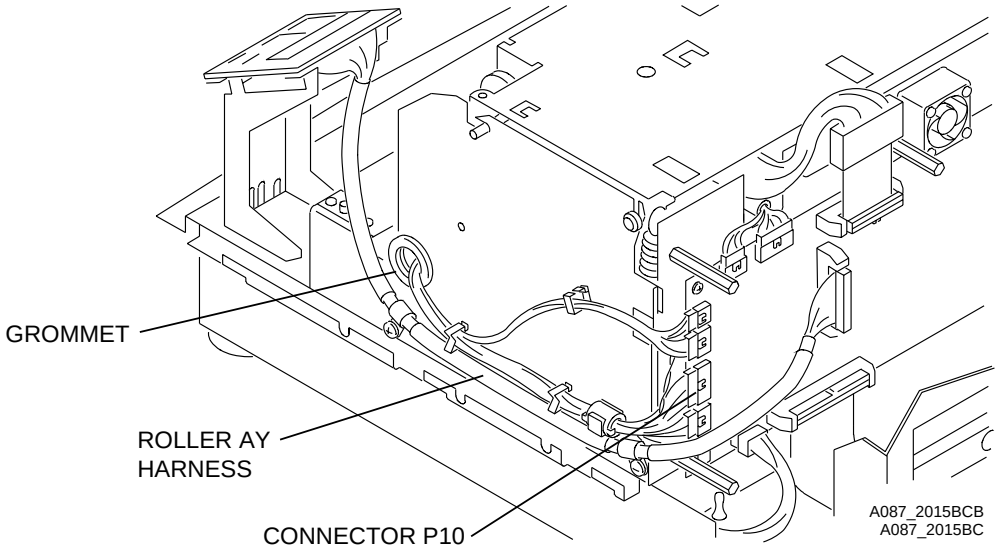
Important

The ROLLER AY is <u>not</u> removed from the BASE ENCLOSURE FLOOR at this time. The graphic displays the ROLLER AY removed only to make the SCREWS visible.

[1] Remove the SCREW holding the ROLLER AY to the right side of the BASE ENCLOSURE WALL.

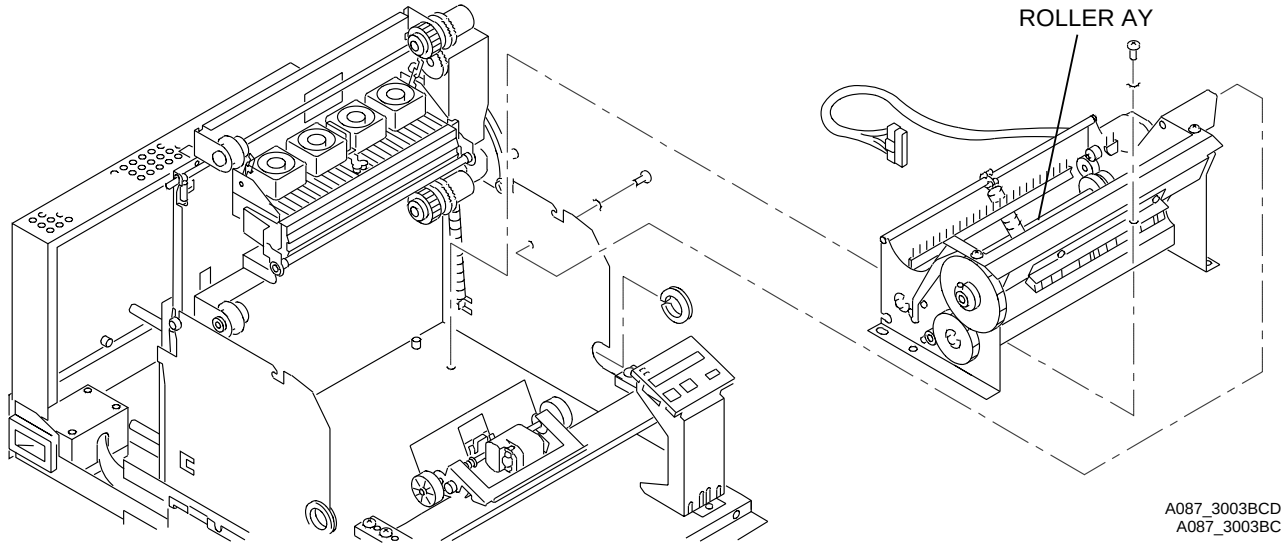
[2] Use the LONG MAGNETIC SCREWDRIVER TL-4505 and the T-15 TORX INSERT BLADE TL-3258 to remove:

- 2 SCREWS from the right side
- 2 SCREWS from the left side



[3] Remove:

- GROMMET
- ROLLER AY HARNESS
- CONNECTOR P10



[4] Remove the ROLLER AY.

To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

[1] Adjust:

- DONOR SENSOR - see Page 26
- LEAD EDGE SENSOR - see Page 18

[2] Do the following diagnostic tests. See Publication No. DG2935-1:

- “PINCH”
- “STEP MOTOR”
- “PICK/EJECT”

[3] Make a print to check for correct operation.

[4] If the print has the STRETCH artifact, do these adjustment procedures:

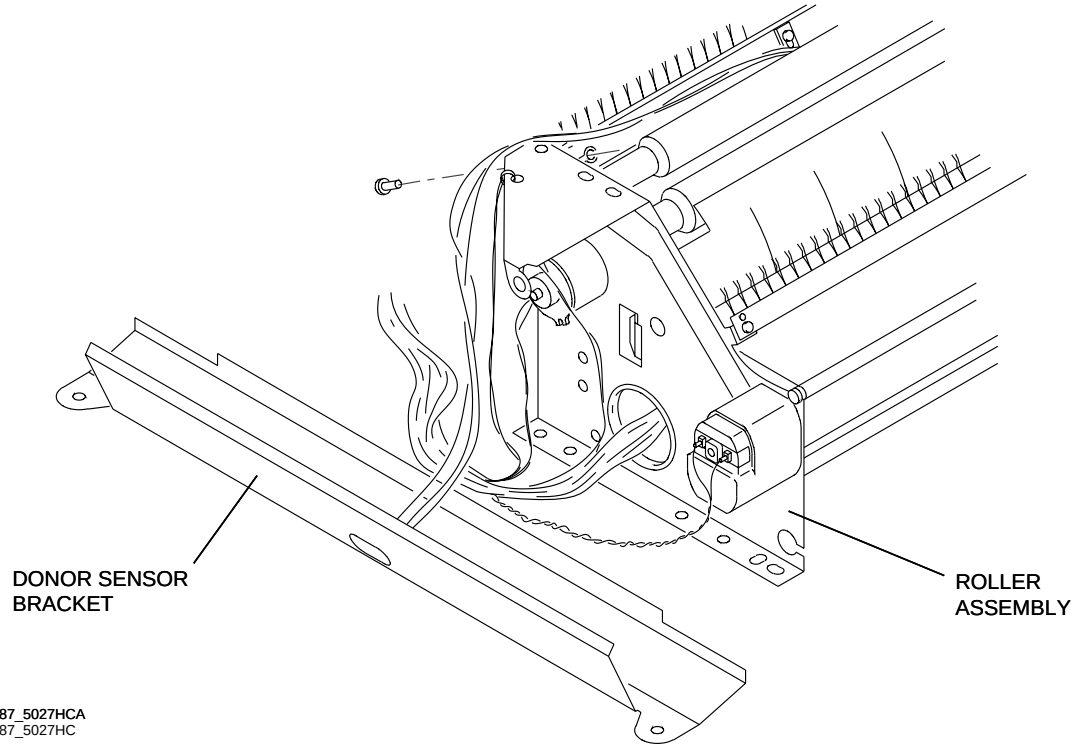
- ROLLER AY - see Page 15
- DONOR SUPPLY BRACKET - see Page 10
- THERMAL HEAD LOAD GAP - see Page 34

LEAD EDGE SENSOR BRACKET

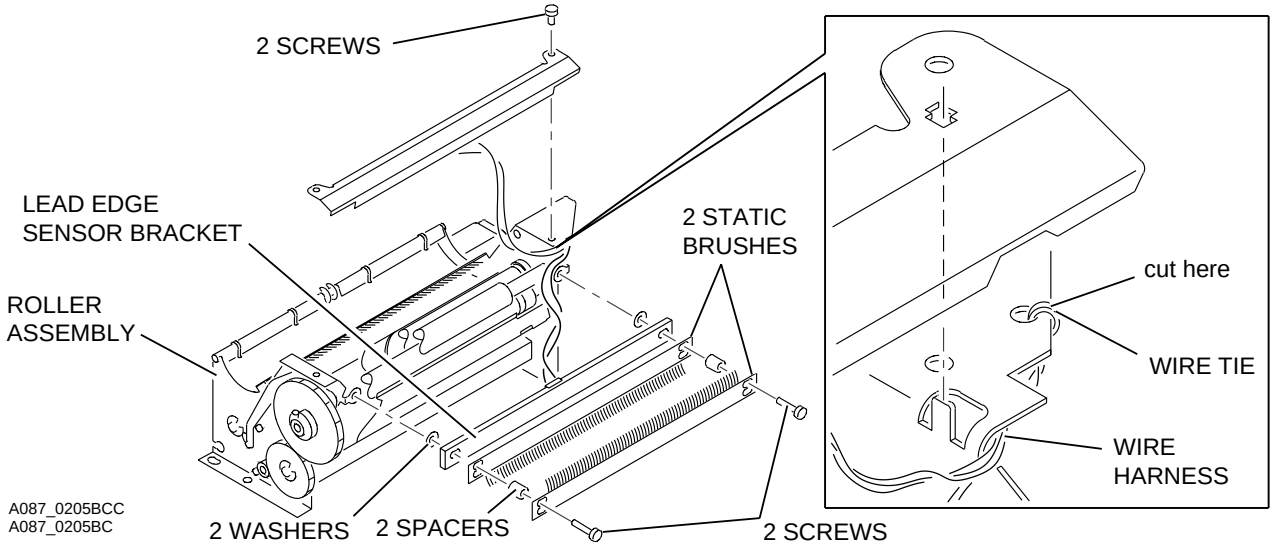
Prerequisites:

[1] Remove the ROLLER AY. See Page 50.

To Remove:



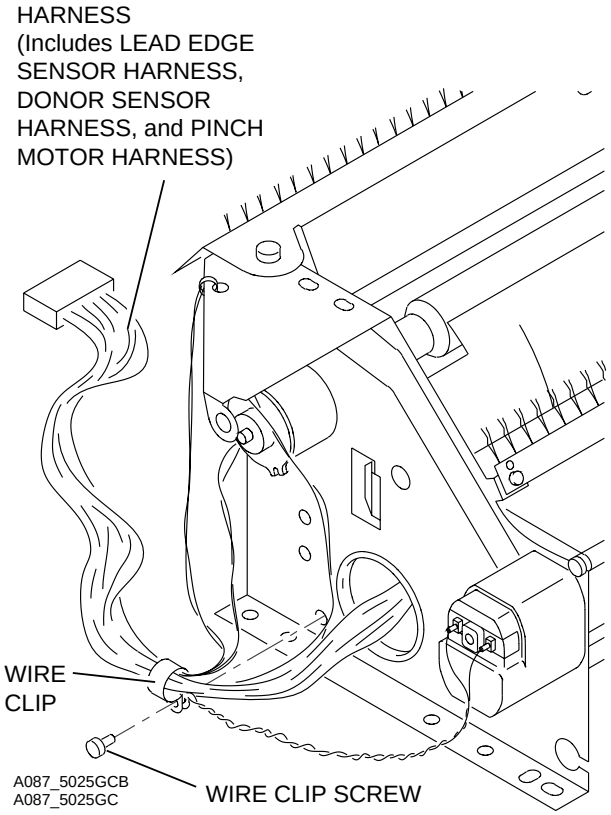
[1] Remove and lift up the DONOR SENSOR BRACKET from the ROLLER AY. Place the BRACKET as indicated in the graphic.



[2] Remove:

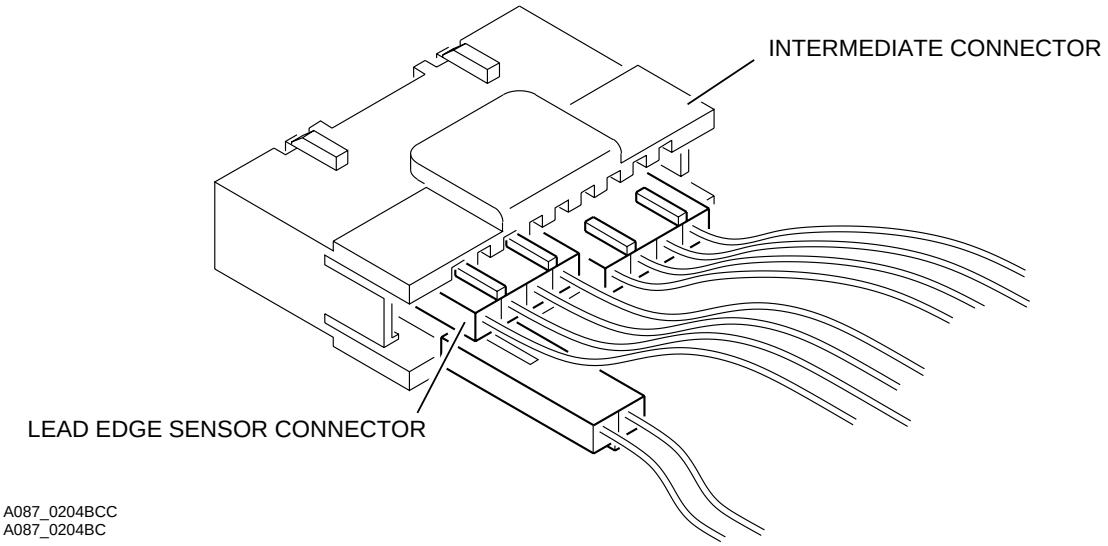
- 2 SCREWS holding the LEAD EDGE SENSOR BRACKET
- 2 SCREWS from the 2 STATIC BRUSHES
- front STATIC BRUSH
- 2 SPACERS
- back STATIC BRUSH
- 2 WASHERS

[3] Cut the WIRE TIE holding the WIRE HARNESS to the side of the ROLLER AY.



[4] Remove:

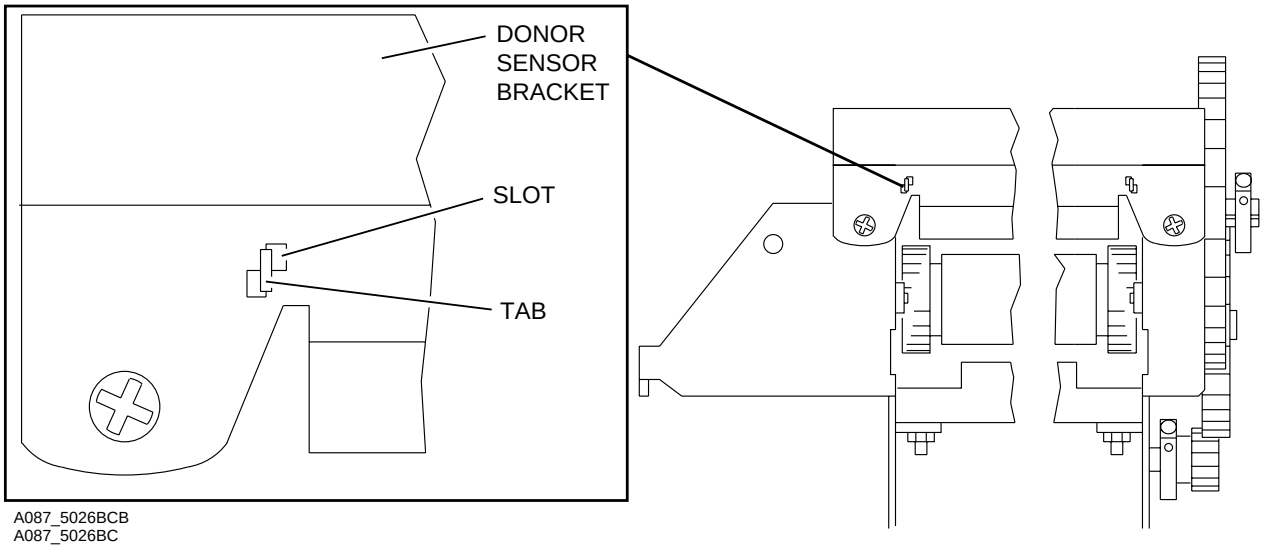
- WIRE CLIP SCREW holding the WIRE CLIP
- LEAD EDGE SENSOR HARNESS from the WIRE CLIP



A087_0204BCC
A087_0204BC

[5] Remove the LEAD EDGE SENSOR CONNECTOR from the INTERMEDIATE CONNECTOR.

To Install:



A087_5026BCB
A087_5026BC

Important

You must align the TAB into the SLOT of the DONOR SENSOR BRACKET.

[1] Reverse the steps in the removal procedure.

Postrequisites:

[1] Do the following adjustments:

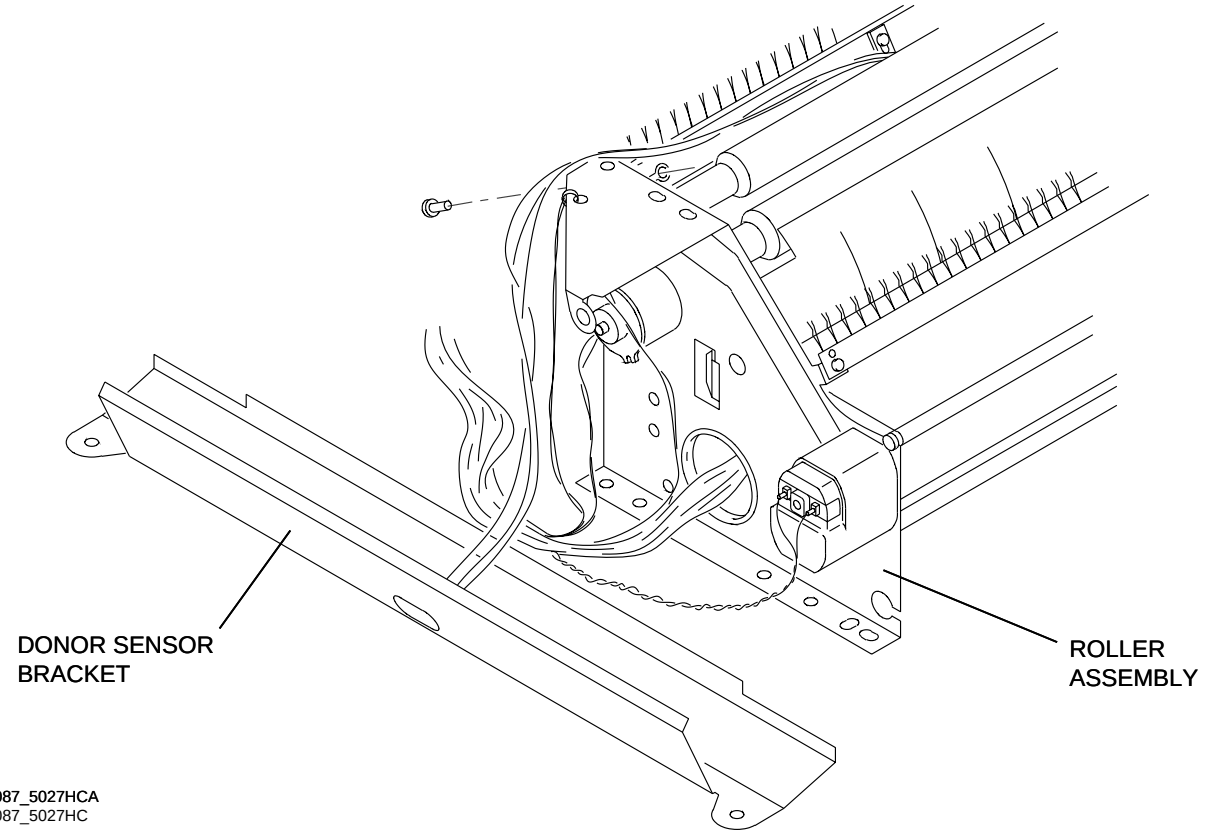
- LEAD EDGE SENSOR - see Page 18
- DONOR SENSOR - see Page 26

DONOR SENSOR BRACKET

Prerequisites:

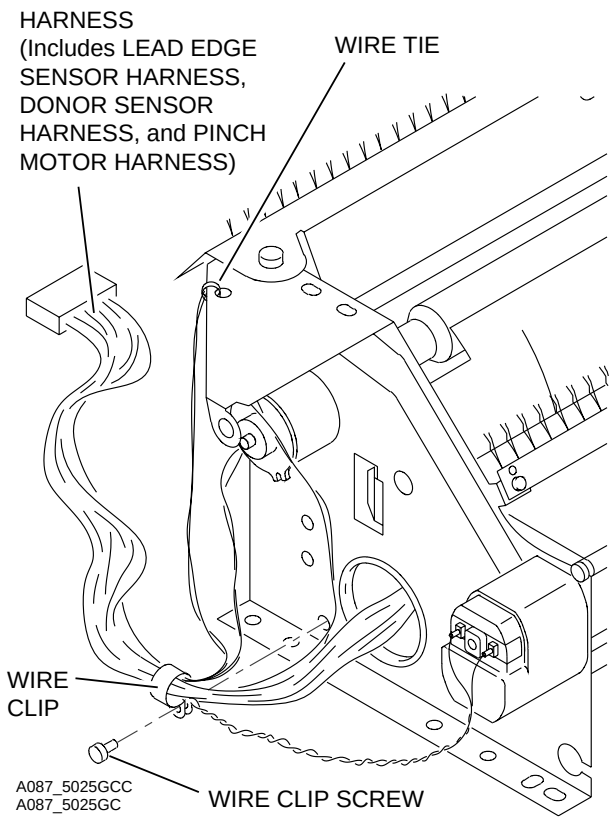
[1] Remove the ROLLER AY. See Page 50.

To Remove:



A087_5027HCA
A087_5027HC

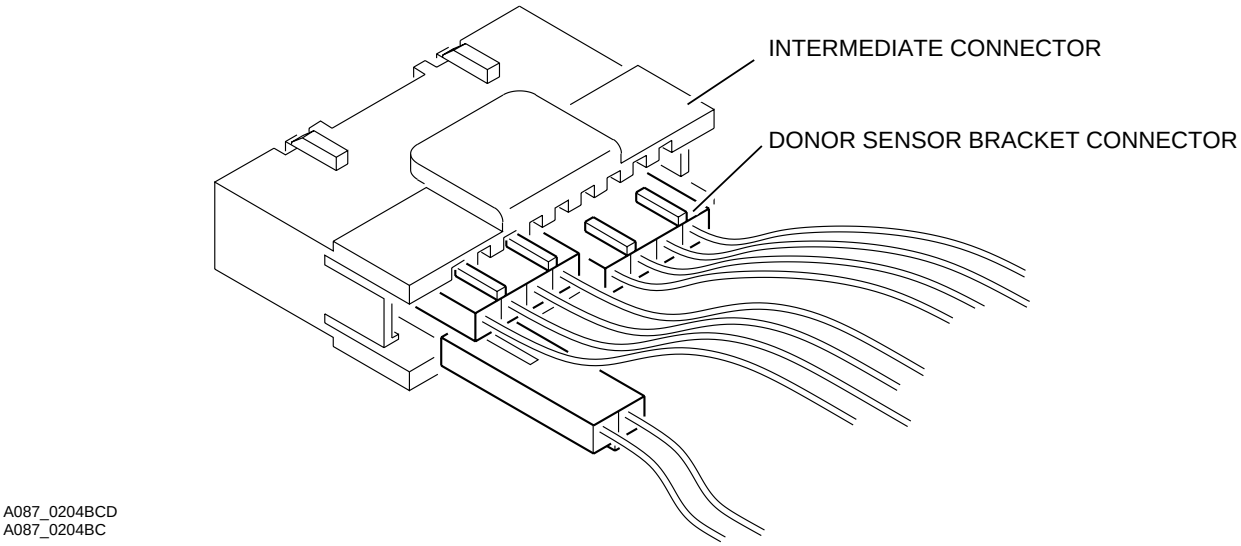
[1] Remove and lift up the DONOR SENSOR BRACKET from the ROLLER AY. Place the BRACKET as indicated in the graphic.



[2] Remove the WIRE CLIP SCREW holding the WIRE CLIP.

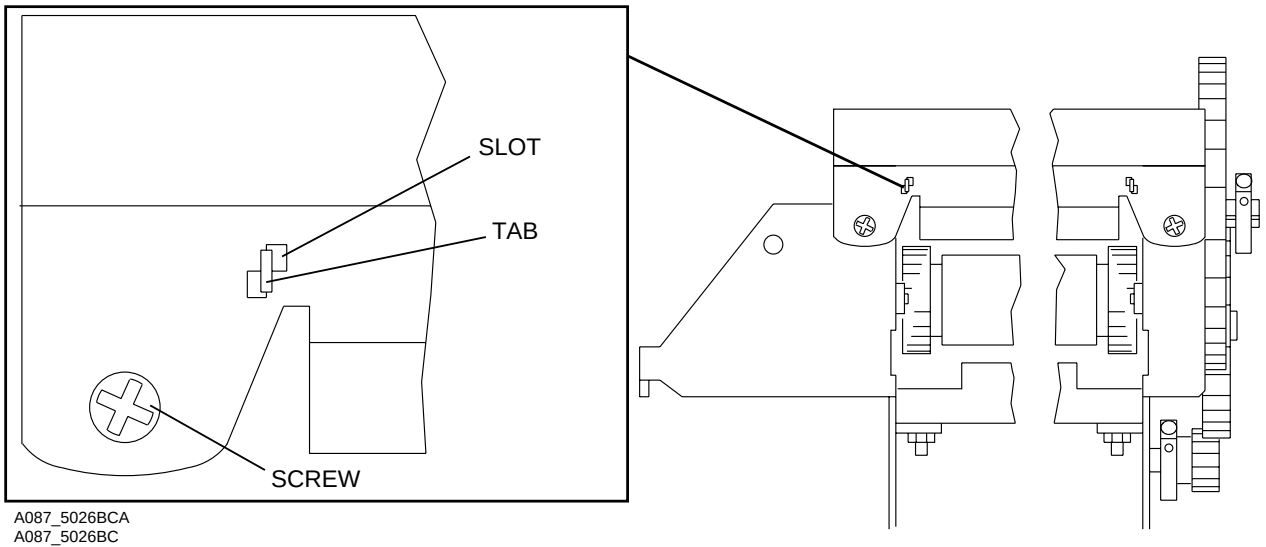
[3] Cut the WIRE TIE.

[4] Remove the DONOR SENSOR HARNESS from the WIRE CLIP.



[5] Remove the DONOR SENSOR BRACKET CONNECTOR from the INTERMEDIATE CONNECTOR.

To Install:



A087_5026BCA
A087_5026BC

Important

You must align the TAB into the SLOT of the DONOR SENSOR BRACKET.

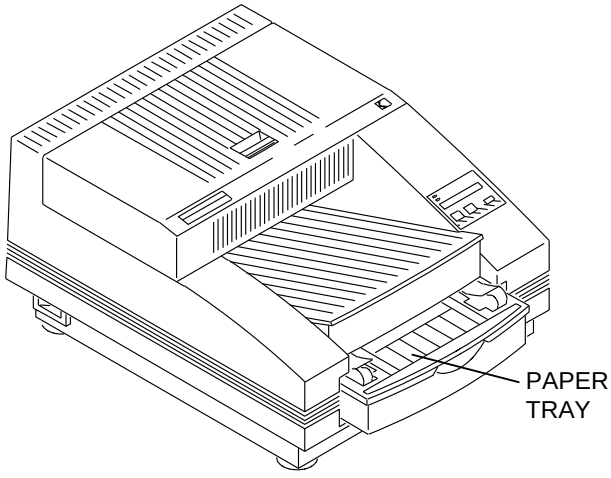
[1] Reverse the steps in the removal procedure.

Postrequisites:

[1] Do the adjustment for the DONOR SENSOR. See Page 26.

PINCH MOTOR and GEARS for the ROLLER AY

Prerequisites:

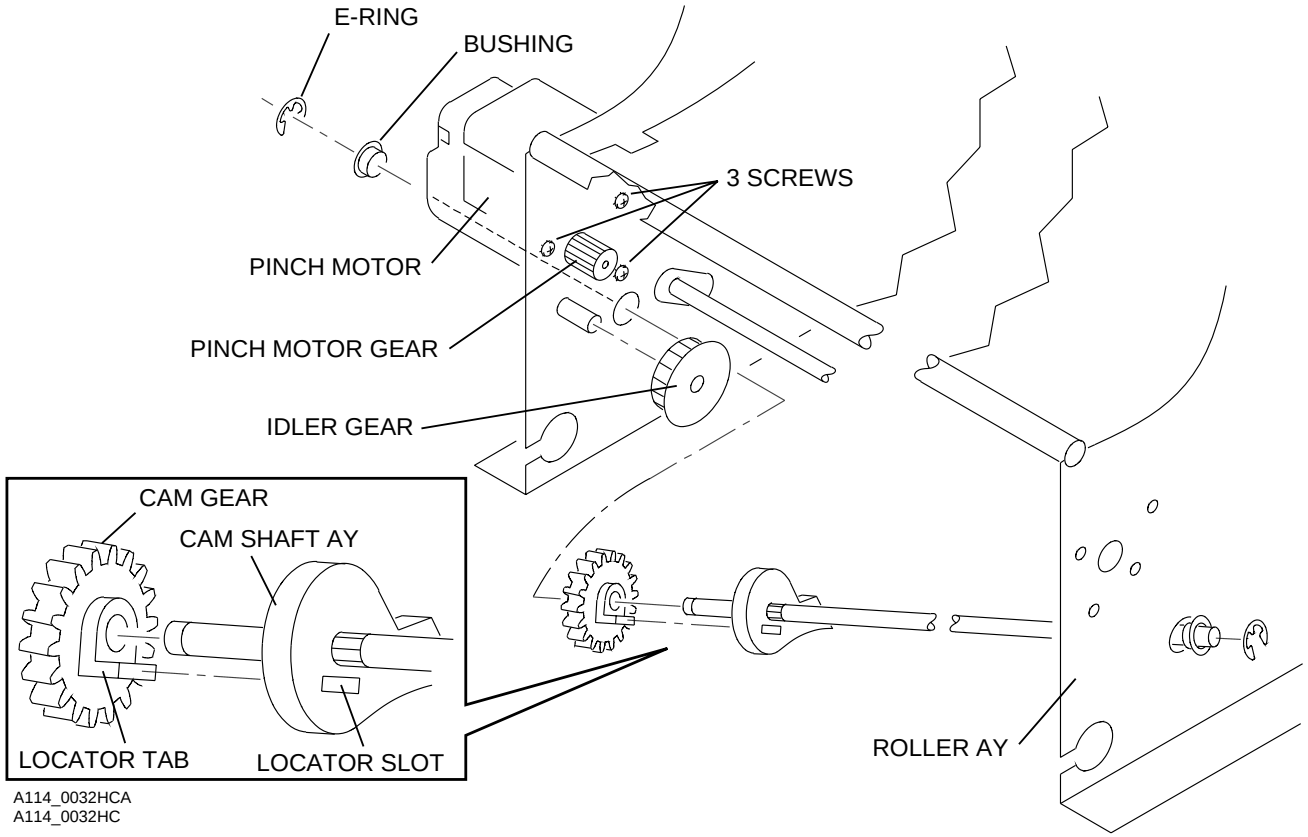


A114_0003ACA
A114_0003AC

[1] Remove:

- PAPER TRAY
- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41
- ROLLER AY - see Page 50

To Remove:



A114_0032HCA
A114_0032HC

[1] Remove from the CAM SHAFT AY:

- E-RING
- BUSHING

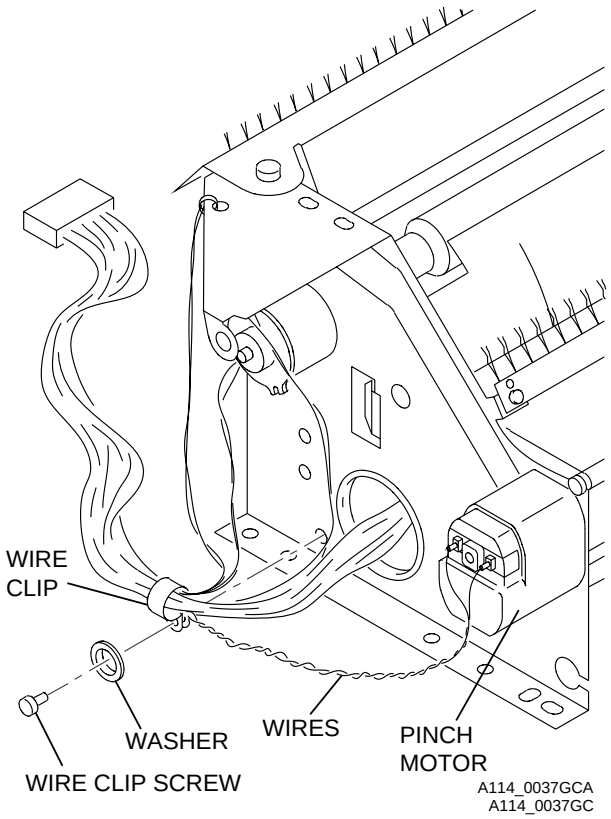
[2] Move the CAM SHAFT AY to the right.

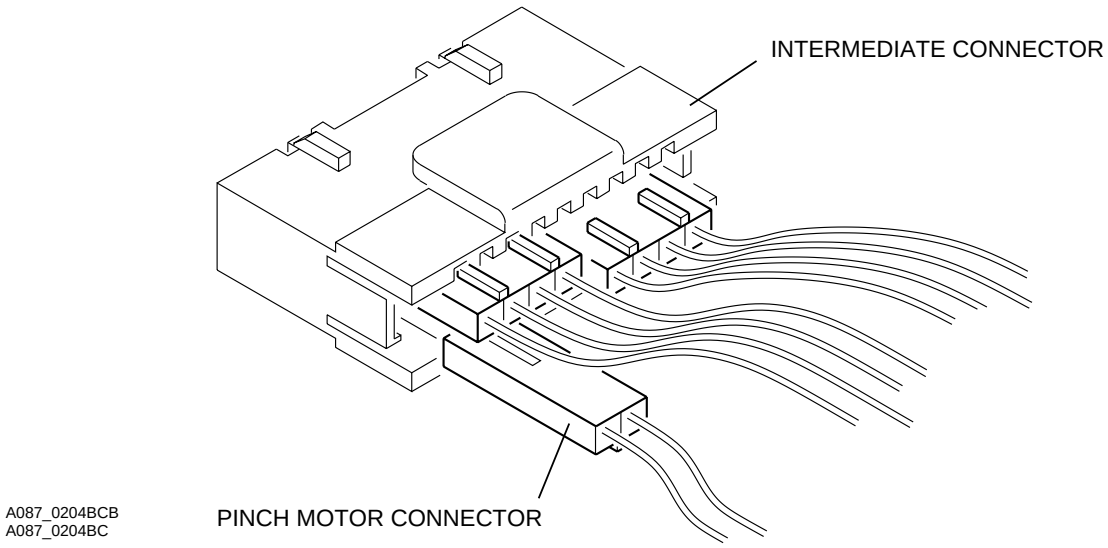
[3] Remove:

- CAM GEAR by pulling the LOCATOR TAB from the LOCATOR SLOT and the CAM SHAFT AY
- IDLER GEAR
- PINCH MOTOR GEAR
- 3 SCREWS holding the PINCH MOTOR to the ROLLER AY

[4] Remove from the WIRE CLIP:

- WIRE CLIP SCREW
- WASHER
- WIRES from the PINCH MOTOR





[5] Remove the PINCH MOTOR CONNECTOR from the INTERMEDIATE CONNECTOR.

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Adjust:

- DONOR SENSOR - see Page 26
- LEAD EDGE SENSOR - see Page 18

[2] Do the following diagnostic tests. See Publication No. DG2935-1:

- “PINCH”
- “STEP MOTOR”
- “PICK/EJECT”

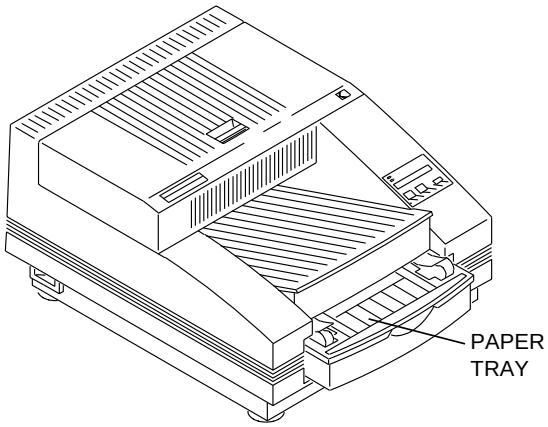
[3] Make a print to check for correct operation.

[4] If the print has the STRETCH artifact, do these adjustment procedures:

- ROLLER AY - see Page 15
- DONOR SUPPLY BRACKET - see Page 10
- THERMAL HEAD LOAD GAP - see Page 34

LCD DISPLAY and BRACKET

Prerequisites:



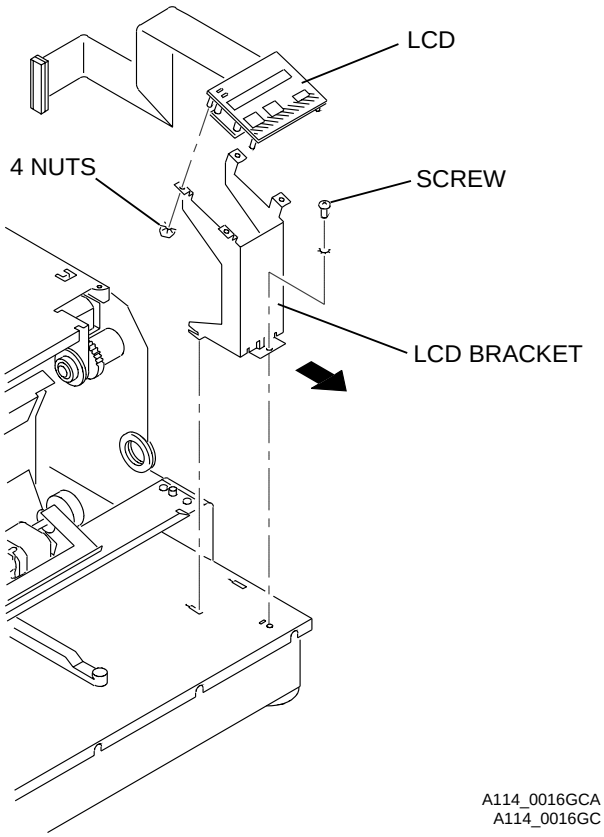
A114_0003ACA
A114_0003AC

[1] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

[2] Remove:

- PAPER TRAY
- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41

To Remove:



A114_0016GCA
A114_0016GC

[1] Disconnect CONNECTOR P9 from the CONTROLLER BD. See Page 43.

[2] Remove:

- SCREW
- LCD BRACKET
- 4 NUTS
- LCD

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] See the diagnostic procedure for “DIAG: PANEL TEST”, Publication No. DG2935-1.

DONOR SUPPLY BRACKET

Prerequisites:

[1] Open:

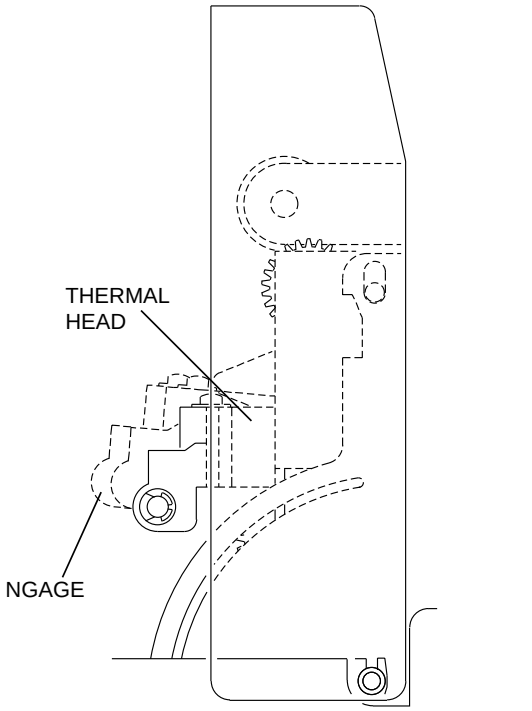
- CONTROLLER ENCLOSURE AND DRAWER AY - see Page 39
- DOOR - see Page 40

Caution

Prevent damage. Do not touch the DONOR. Contamination will occur.

[2] Remove the DONOR.

To Remove:



A114_0013GCC
A114_0013GC

[1] Energize the PRINTER.

[2] Enter the diagnostics and select “DIAG: HEAD TEST”. See the DIAGNOSTICS, Publication No. DG2935-1.

[3] Move the THERMAL HEAD to the ENGAGE position.

[4] De-energize the PRINTER.

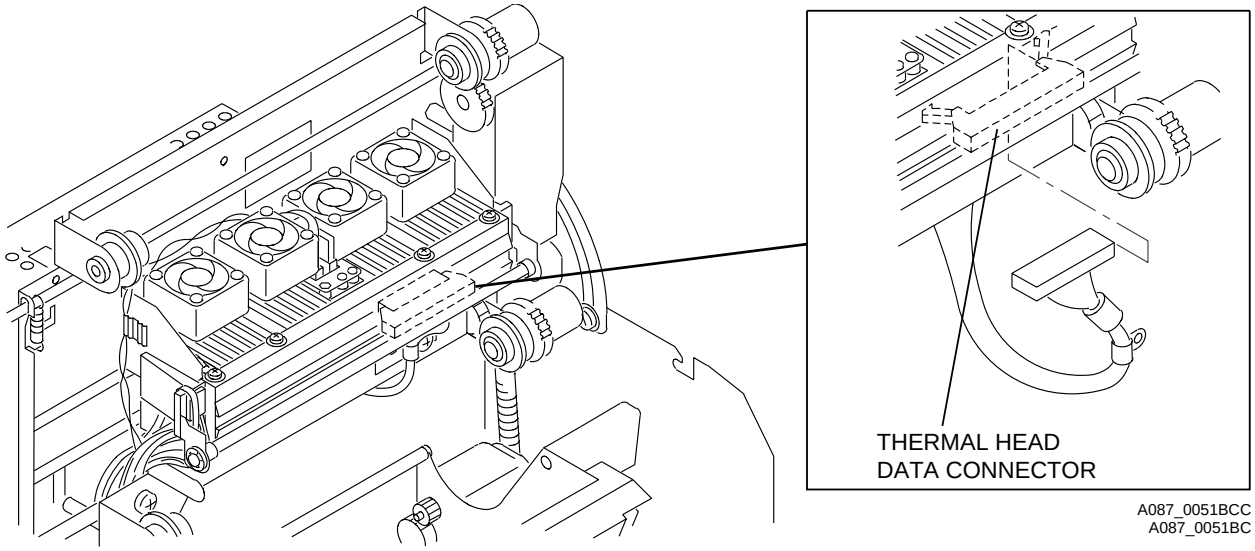
[5] Remove:

- THERMAL HEAD DATA CONNECTOR
- CONNECTOR P5 from the CONTROLLER BD - see Page 43

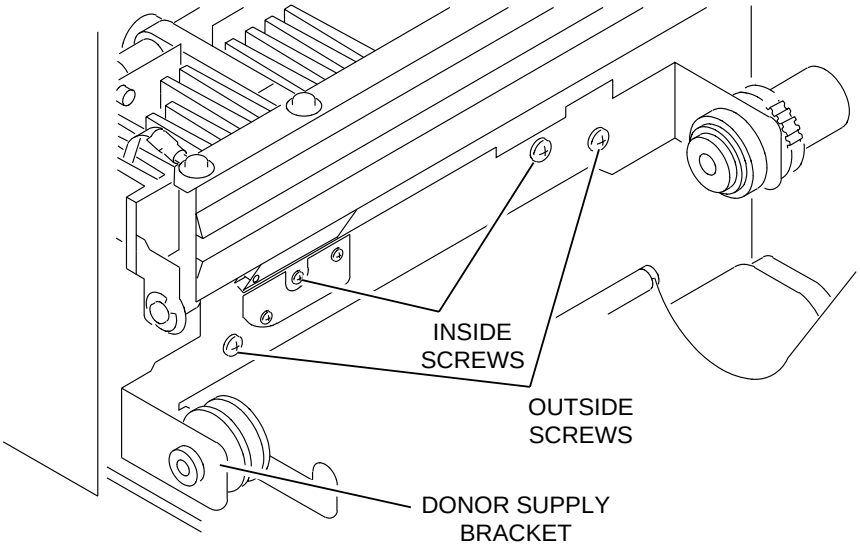
Important

CONNECTOR P2 is a MULTIPLE CONNECTOR. The BAR CODE CONNECTOR is on the right side of P2.

[6] Remove CONNECTOR P2 from the CONTROLLER BD. See Page 42 for the removal of MULTIPLE CONNECTORS.



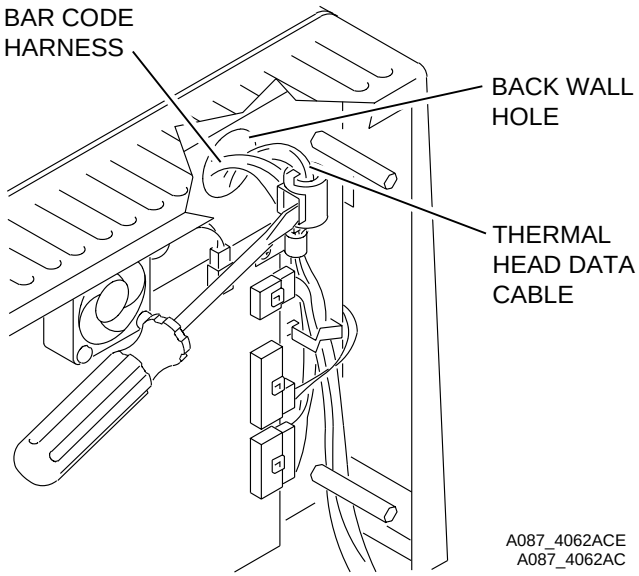
A087_0051BCC
A087_0051BC



[7] Remove:

- 2 INSIDE SCREWS
- 2 OUTSIDE SCREWS

[8] Observe the positions of the CABLE TIES. Cut the CABLE TIES.



[9] Route through the hole on the BASE ENCLOSURE BACK WALL:

- THERMAL HEAD DATA CABLE
- BAR CODE HARNESS

[10] Remove the DONOR SUPPLY BRACKET AY.

To Install:

[1] Reverse Steps 8 - 10.

Important

Do not tighten the 4 SCREWS at this time.

[2] Install:

- 2 INSIDE SCREWS
- 2 OUTSIDE SCREWS

[3] Do the adjustment for the DONOR SUPPLY BRACKET. See Page 10.

[4] Install:

- CONNECTOR P2 on the CONTROLLER BD - see Page 43
- CONNECTOR P5 on the CONTROLLER BD - see Page 43
- THERMAL HEAD DATA CONNECTOR

Postrequisites:

[1] Adjust the BAR CODE SENSOR. See Page 31.

[2] Do the “DIAG: DONOR TEST”. See the DIAGNOSTICS, Publication No. DG2935-1.

[3] Make a print from the ENGINE. If there are STRETCH artifacts, do the adjustment for the DONOR SUPPLY BRACKET. See Page 10.

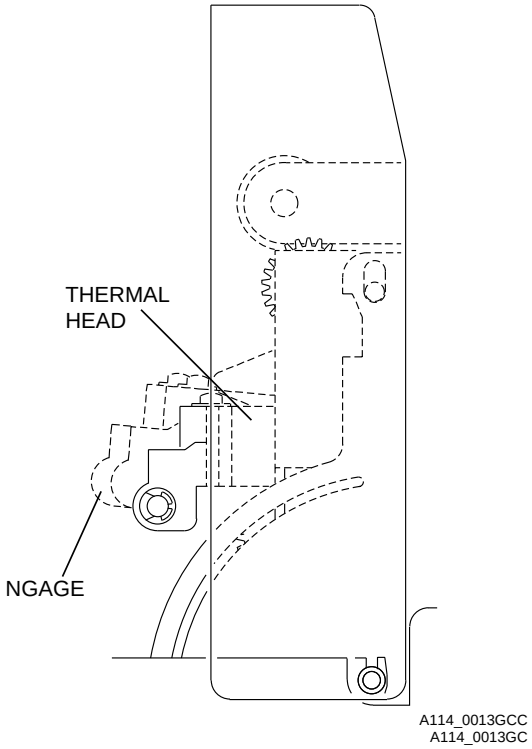
MOTOR BRACKET AY

Prerequisites:

[1] Remove the DOOR COVER. See Page 40.

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

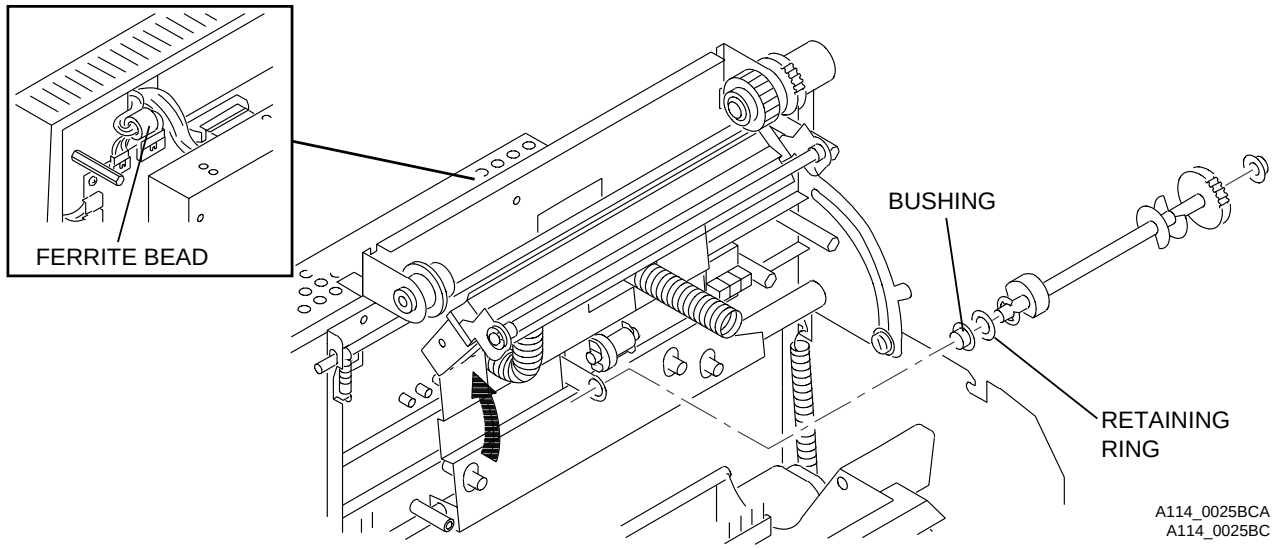
To Remove:



[1] Enter the diagnostics.

[2] Move the THERMAL HEAD to the ENGAGE position.

[3] Do the removal procedure for the DONOR SUPPLY BRACKET. See Page 10.



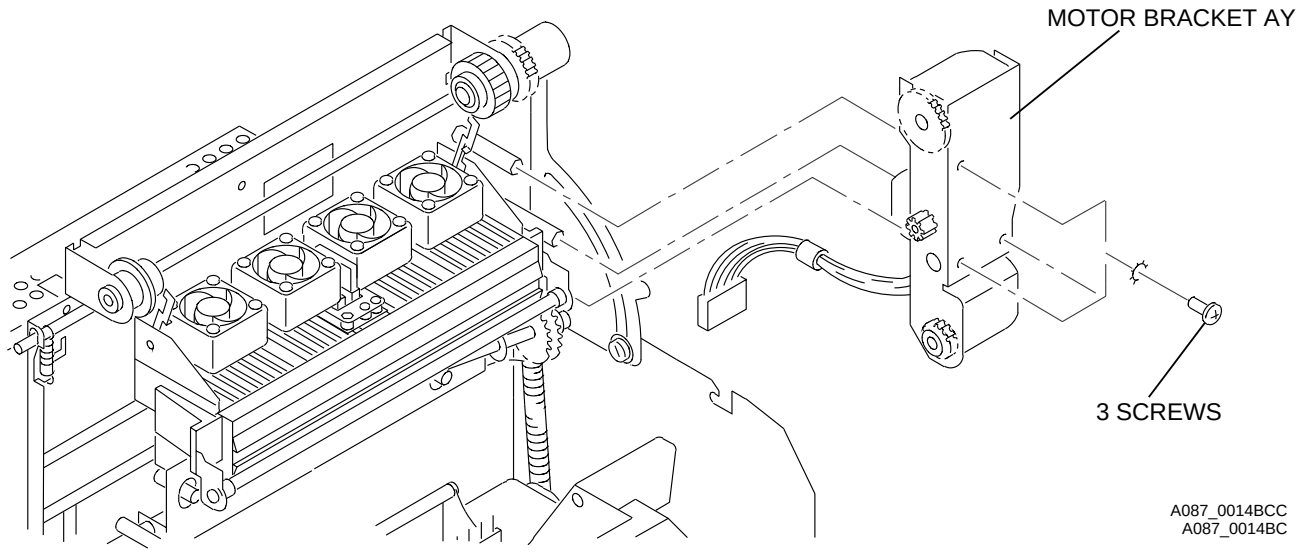
Warning
Dangerous Voltage

[4] De-energize the PRINTER.

[5] Remove:

- RETAINING RING
- BUSHING
- FERRITE BEAD

[6] Disconnect the CONNECTOR P1 from the CONTROLLER BD. See Page 43.



[7] Remove:

- 3 SCREWS
- MOTOR BRACKET AY

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Do the following diagnostic tests. See the Publication No. DG2935-1.

- "HEAD TEST"
- "DONOR TEST"
- "PICK/EJECT"

[2] Make a print to check for correct operation.

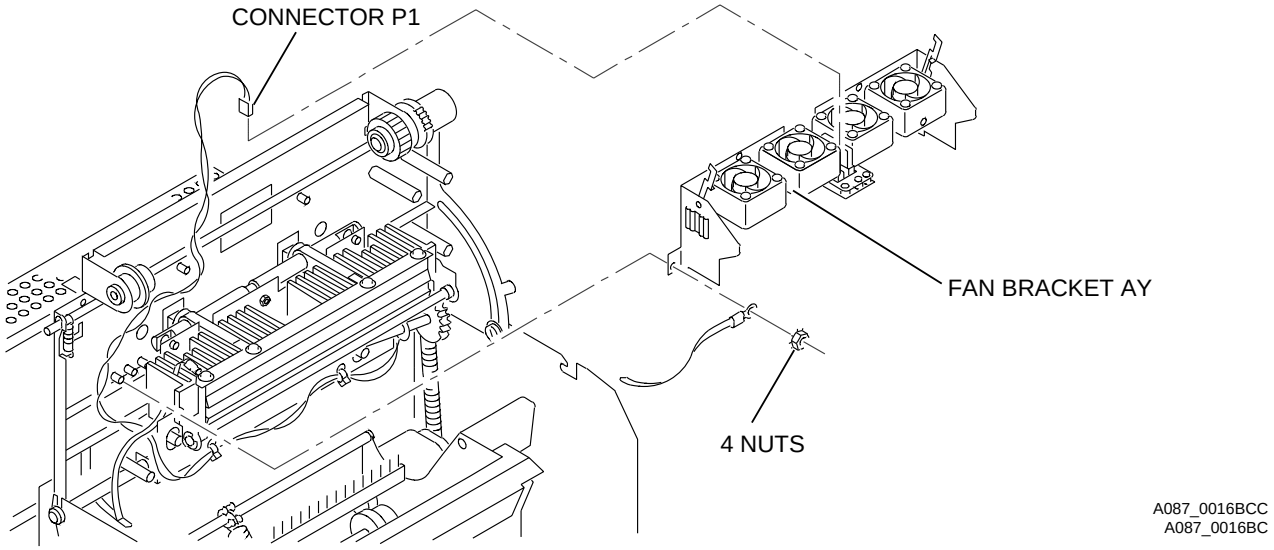
FAN BRACKET AY

Prerequisites:

[1] Remove the DOOR COVER. See Page 40.

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



[1] Disconnect the CONNECTOR P1 from the FAN BRACKET AY.

[2] Remove:

- 4 NUTS
- FAN BRACKET AY

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Adjust the DONOR.

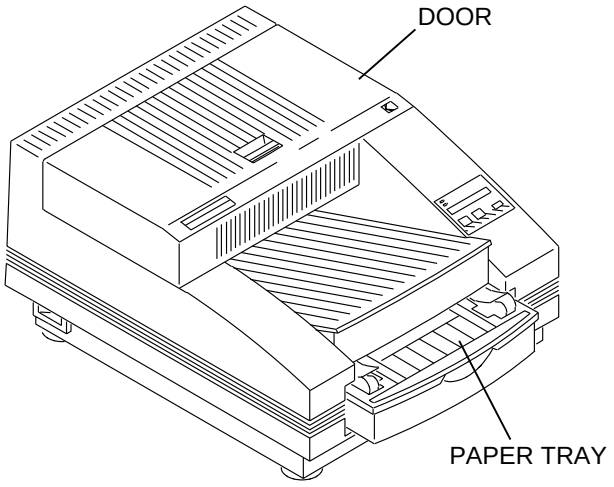
[2] Do the following diagnostic tests. See the DIAGNOSTICS, Publication No. DG2935-1.

- "HEAD TEMP"
- "DONOR TEST"

[3] Make a print to check for correct operation.

THERMAL HEAD

Prerequisites:



A114_0003ACC
A114_0003AC

Caution

Prevent damage. Do not touch the DONOR. Contamination will occur.

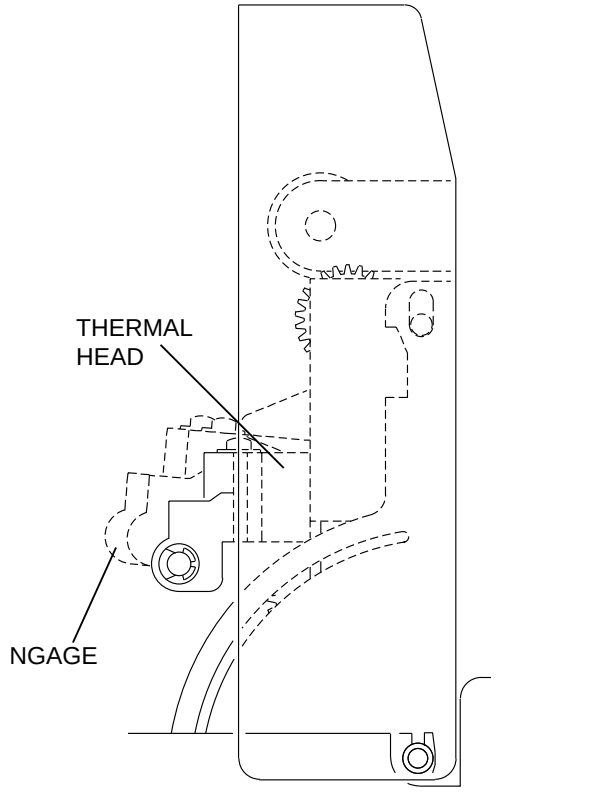
[1] Remove:

- DOOR COVER - see Page 40
- PAPER TRAY
- DONOR

[2] Open:

- DOOR
- Open the CONTROLLER ENCLOSURE AND DRAWER AY - see Page 39

To Remove:



A114_0013GCC
A114_0013GC

Warning

Dangerous Voltage

[1] Energize the PRINTER.

[2] Enter the diagnostics.

Caution

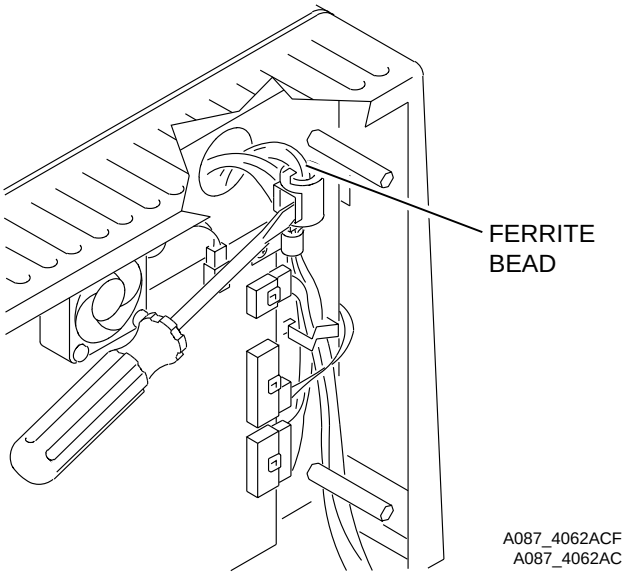
Prevent damage.

[3] Move the THERMAL HEAD to the ENGAGE position.

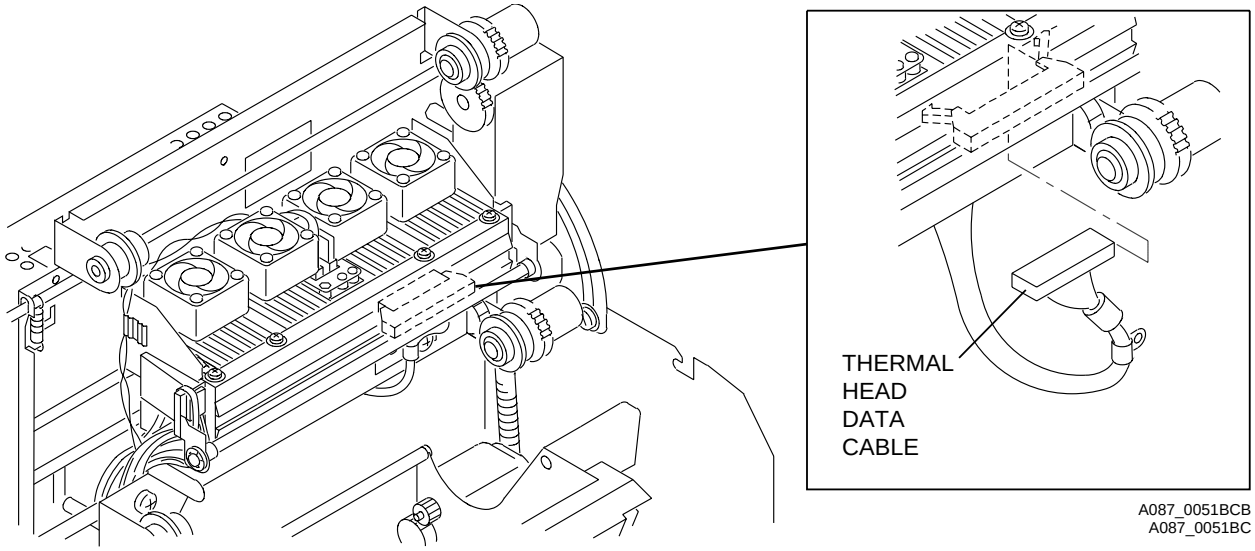
[4] De-energize the PRINTER.

[5] For Style 1 THERMAL HEAD only, remove:

- CONNECTOR P4 from the CONTROLLER BD - see Page 43
- FERRITE BEAD using a small FLAT-BLADE SCREWDRIVER

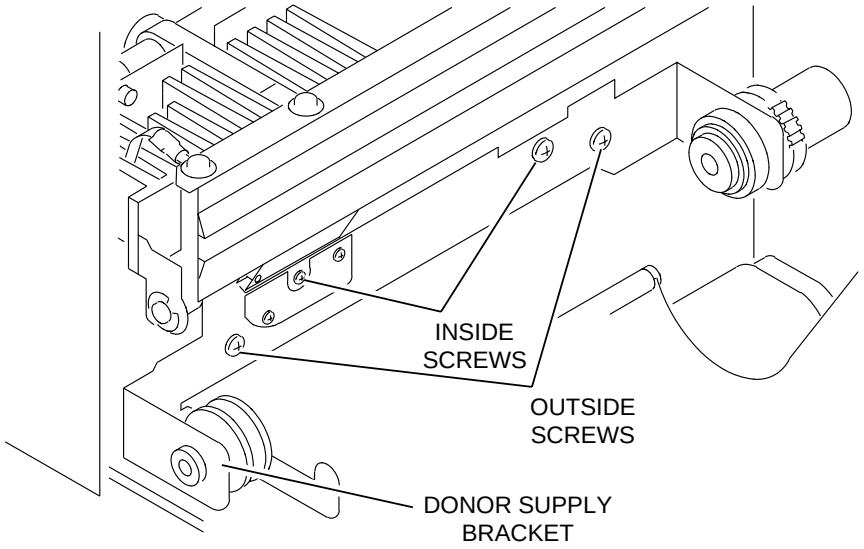


A087_4062ACF
A087_4062AC



A087_0051BCB
A087_0051BC

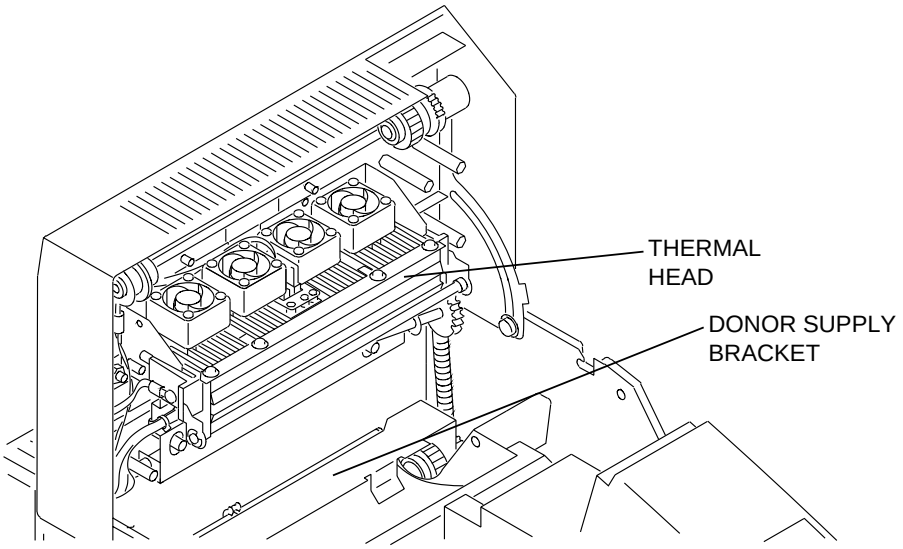
[6] Remove the THERMAL HEAD DATA CABLE.



A114_0027BCA
A114_0027BC

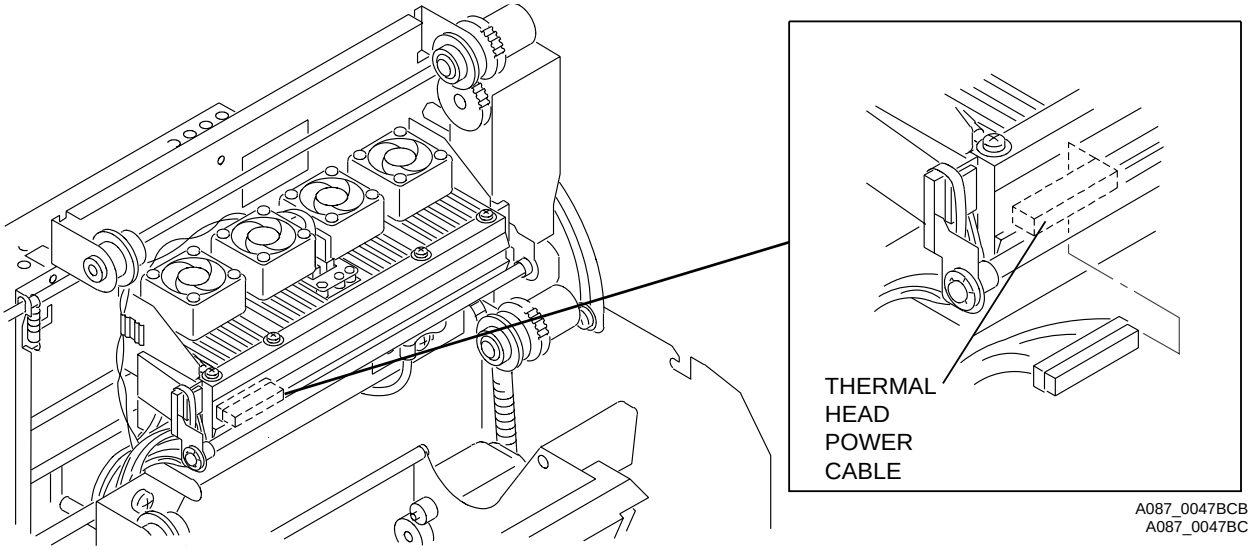
[7] Remove from the DONOR SUPPLY BRACKET:

- 2 INSIDE SCREWS
- 2 OUTSIDE SCREWS

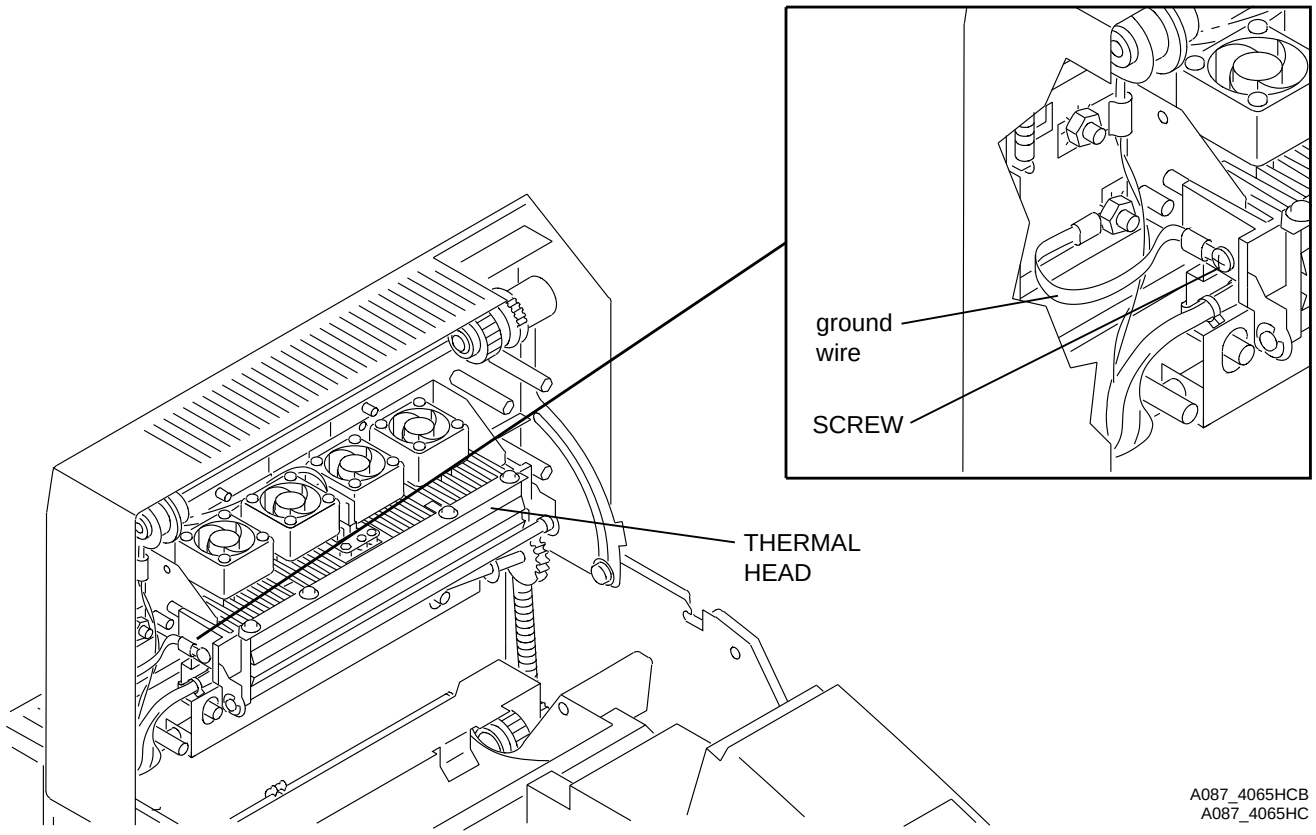


A114_0024BCA
A114_0024BC

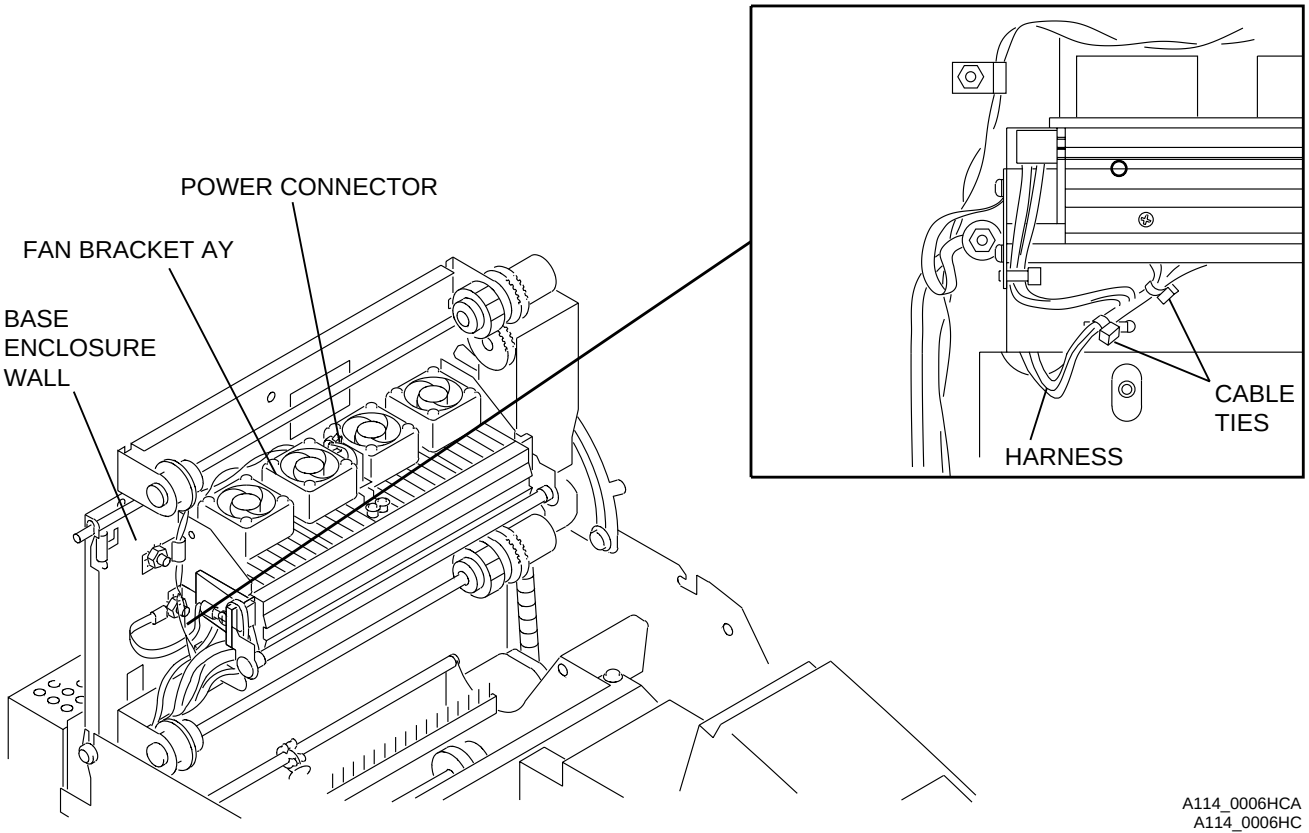
[8] Move the DONOR SUPPLY BRACKET down to allow access to the THERMAL HEAD.



[9] Remove the THERMAL HEAD POWER CABLE.



[10] Remove the SCREW that holds the ground wire to the left side of the THERMAL HEAD.



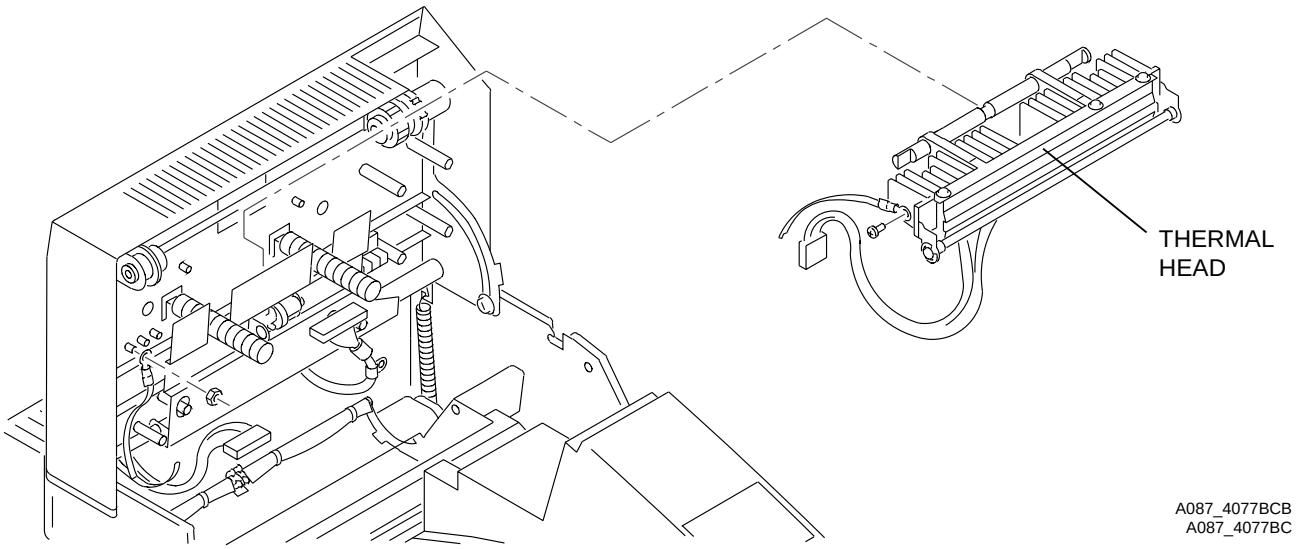
[11] Remove the 2 CABLE TIES.

[12] Route the HARNESS through the hole in the back of the BASE ENCLOSURE WALL.

[13] Remove the POWER CONNECTOR from the FAN BRACKET AY.

[14] Move the POWER CONNECTOR to the left.

[15] Do the removal procedure for the FAN BRACKET AY. See Page 66.



Caution

Prevent damage.

[16] Remove:

- THERMAL HEAD
- any contamination next to the THERMAL HEAD and DOOR

[17] Return the THERMAL HEAD. See the instructions sent with the new THERMAL HEAD.

To Install:

Caution

Prevent damage when you install the THERMAL HEAD. It is highly sensitive to damage.

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Clean the THERMAL HEAD. See the PERIODIC MAINTENANCE, Publication No. PM2935-1.

[2] Do the following adjustments:

- THERMAL HEAD LOAD GAP - see Page 34
- Voltage for the THERMAL HEAD - see Page 21
- DONOR SUPPLY BRACKET - see Page 10
- DONOR SENSOR - see Page 26

[3] Do the following diagnostics. See the DIAGNOSICS, Publication No. DG2935-1:

- “HEAD TEMP”
- “HEAD TEST”
- “DONOR TEST”

[4] Make a print to check for correct operation.

THERMAL HEAD LIFT CAM

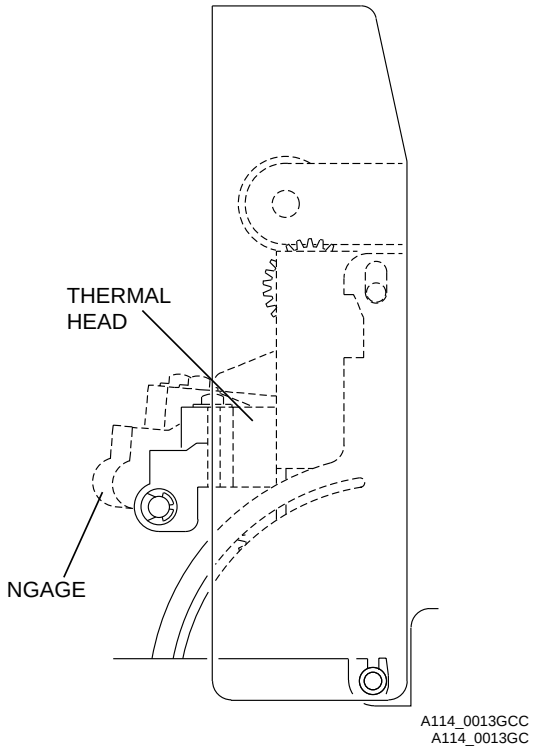
Prerequisites:

[1] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

[2] Remove:

- DONOR SUPPLY BRACKET AY - see Page 62
- MOTOR BRACKET AY - see Page 64

To Remove:



A114_0013GCC
A114_0013GC

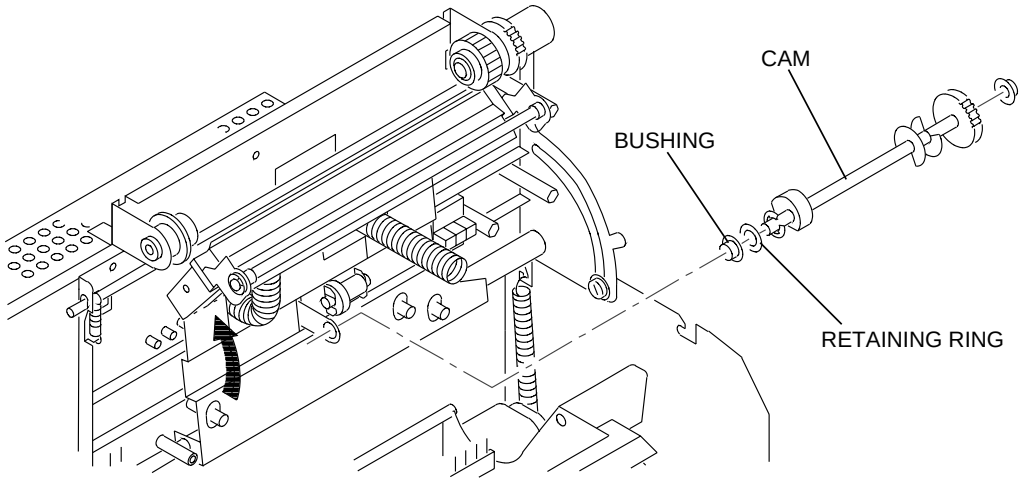
Warning
Dangerous Voltage

[1] Energize the PRINTER.

[2] Enter the diagnostics.

[3] Move the THERMAL HEAD in the ENGAGE position.

[4] De-energize the PRINTER.



A087_0017BCE
A087_0017BC

[5] Remove the RETAINING RING.

[6] Move the BUSHING to the right.

[7] Remove the CAM.

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Do the diagnostics for the “HEAD TEST”. See the DIAGNOSTICS, Publication No. DG2935-1.

THERMAL HEAD LIFT SENSOR

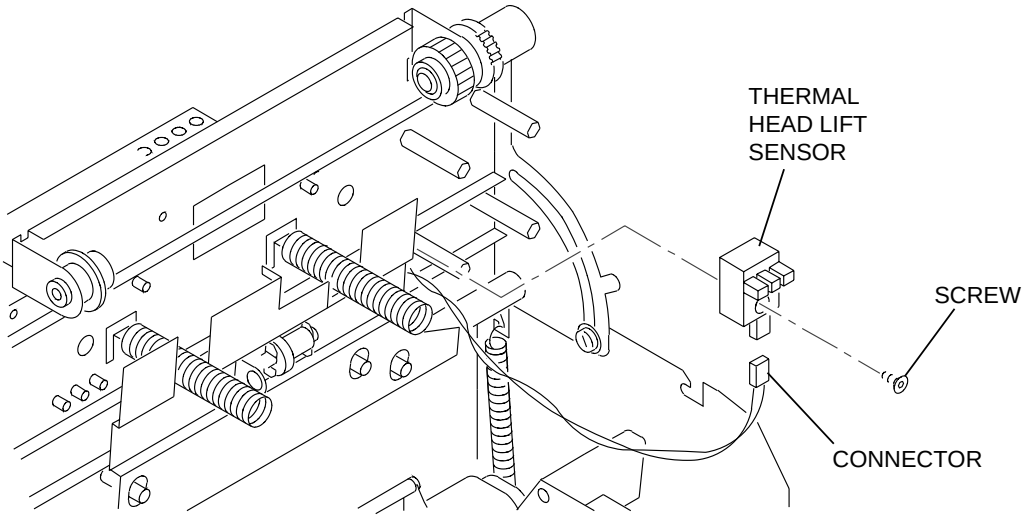
Prerequisites:

[1] Remove:

- DONOR SUPPLY BRACKET AY - see Page 62
- MOTOR BRACKET AY - see Page 64

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



[1] Remove:

- CONNECTOR
- SCREW
- THERMAL HEAD LIFT SENSOR

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Do the diagnostic test for the “HEAD TEST”. See the DIAGNOSTICS, Publication No. DG2935-1.

[2] Adjustment for the DONOR SUPPLY BRACKET. See Page 10.

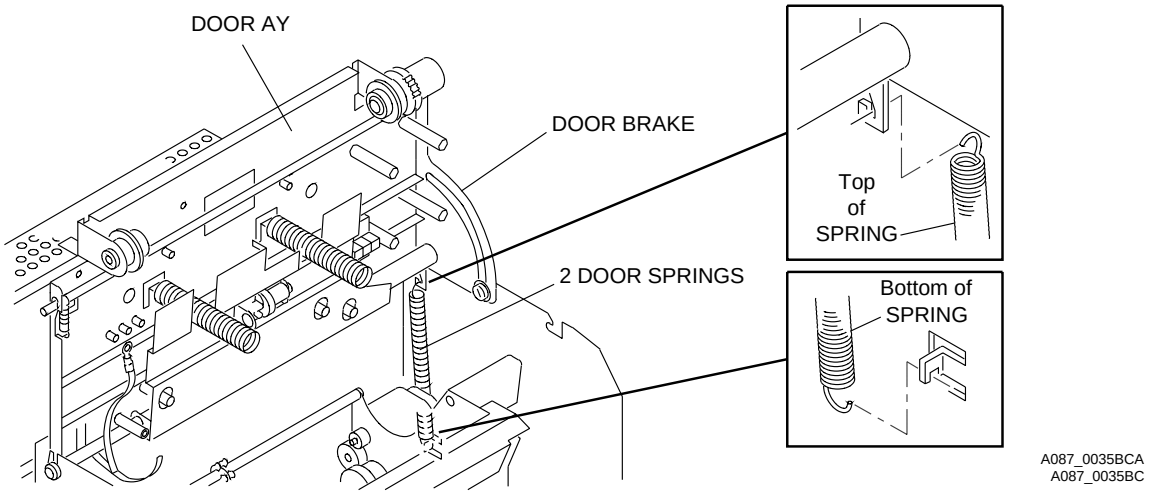
DOOR AY

Prerequisites:

[1] Remove:

- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41
- CONTROLLER ENCLOSURE AND DRAWER AY - see Page 39
- DONOR SUPPLY BRACKET AY - see Page 62
- MOTOR BRACKET AY - see Page 64
- FAN BRACKET AY - see Page 66
- THERMAL HEAD - see Page 67
- THERMAL HEAD LIFT SENSOR - see Page 74

To Remove:



[1] Remove:

- 2 DOOR SPRINGS
- DOOR BRAKE
- DOOR AY by moving the AY up

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Do the following diagnostic tests. See the DIAGNOSTICS, Publication No. DG2935-1:

- “HEAD TEMP”
- “HEAD TEST”
- “DONOR TEST”
- “PICK/EJECT”

[2] Adjust:

- THERMAL HEAD LOAD GAP - see Page 34
- DONOR SENSOR - see Page 26

[3] Make a print to check for correct operation.

DOOR INTERLOCK SWITCH

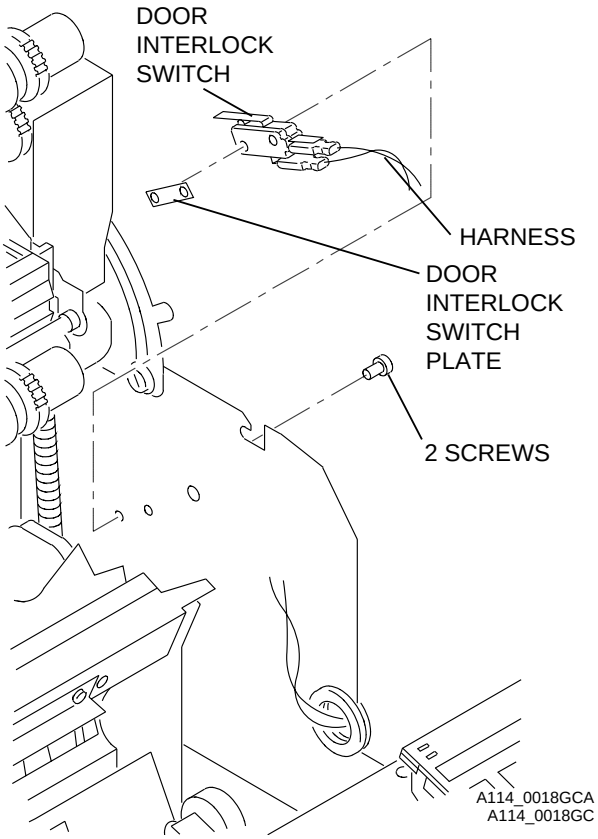
Prerequisites:

[1] Remove:

- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



Caution

Do not allow the DOOR INTERLOCK SWITCH PLATE to fall into the PRINTER.

[1] Remove:

- 2 SCREWS
- DOOR INTERLOCK SWITCH PLATE
- DOOR INTERLOCK SWITCH and HARNESS
- CONNECTOR P6 from the CONTROLLER BD - see Page 43

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Adjust the DOOR INTERLOCK SWITCH. See Page 30.

[2] Make a print to check for correct operation.

NETWORK INTERFACE CARD

Prerequisites:

Important

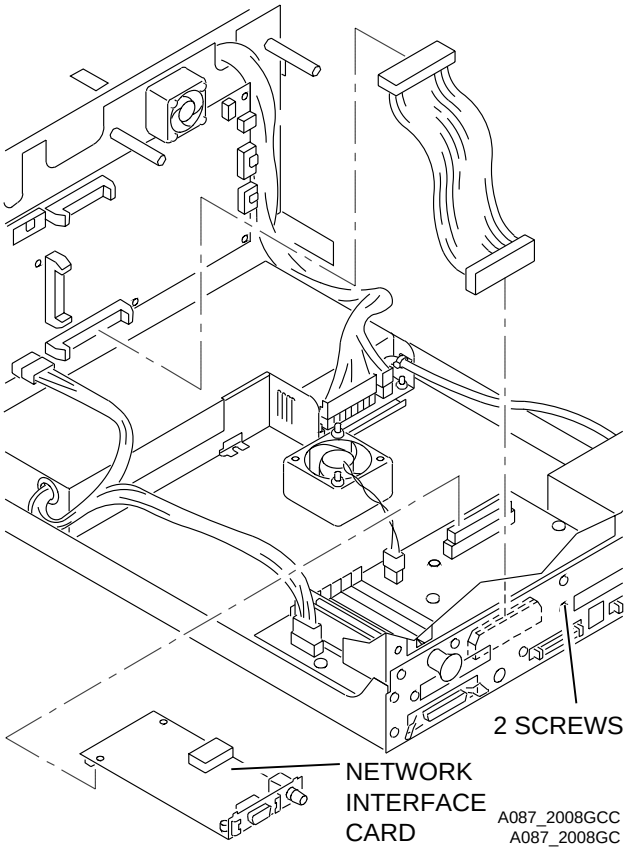
Do not do this procedure for the MEDICAL COLOR IMAGER 2000.

[1] Remove:

- DOOR COVER - see Page 40
- ENCASEMENT - see Page 41

[2] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



[1] Remove the 2 SCREWS.

[2] Lift the front of the NETWORK INTERFACE CARD up.

[3] Move the NETWORK INTERFACE CARD toward the front of the PRINTER to remove.

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Check that the PRINTER advances to READY.

[2] Make a print from the HOST NETWORK.

FEE/PRO K B BD

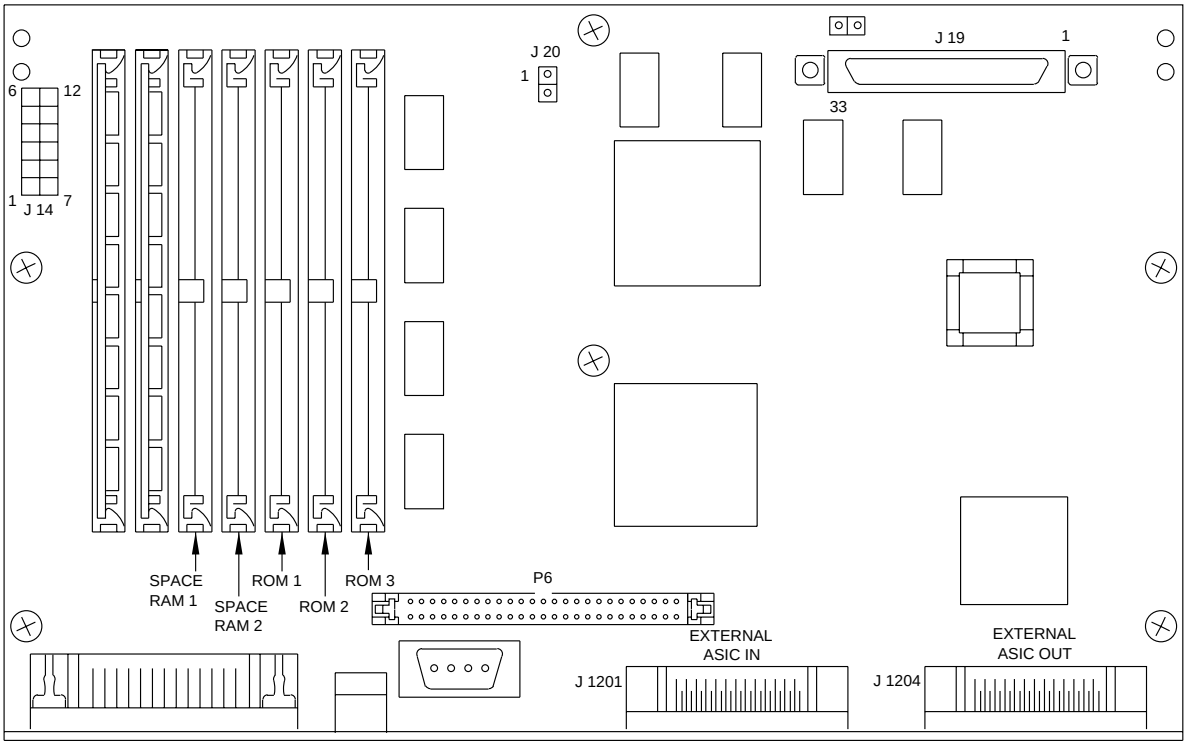
Prerequisites:

[1] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

[2] Remove the NETWORK INTERFACE CARD, if installed.

To Remove:

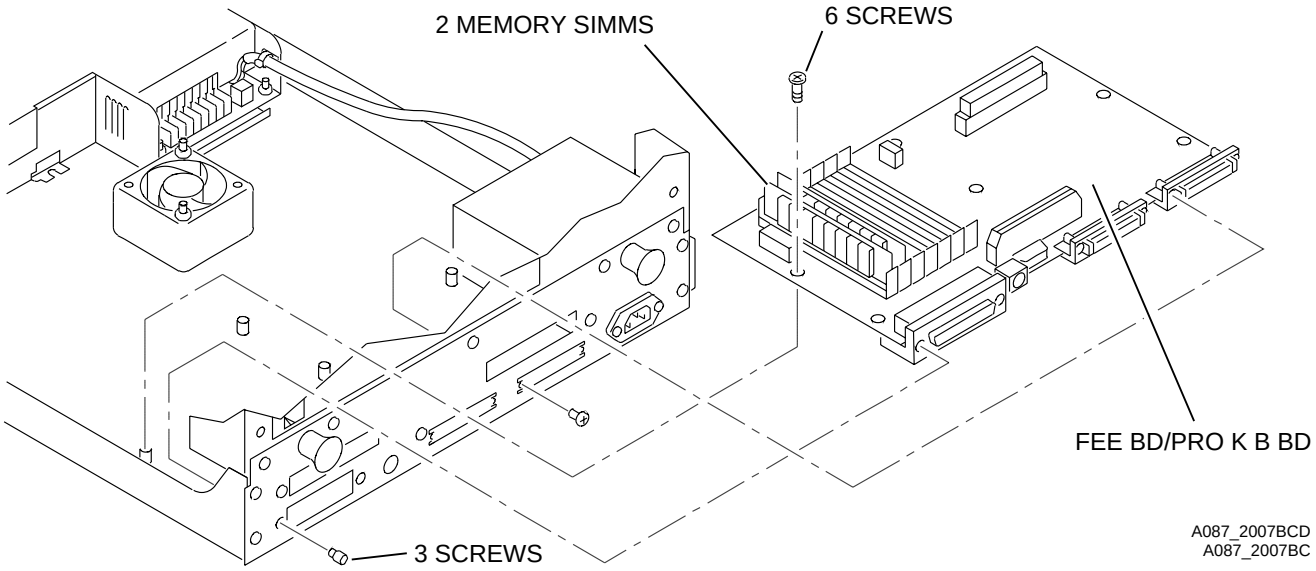
FEE BD/PRO K B BD



A087_2053HC

[1] Remove:

- ROM SIMMS
- CONNECTOR J20
- CONNECTOR J14
- CONNECTOR P6
- RAM SIMMS



[2] Remove:

- 3 SCREWS
- 6 SCREWS

[3] Move the FEE/PRO K B BD forward.

[4] Lift and remove the FEE/PRO K B BD.

Important

The FEE BD/PRO K B BD is an exchange part.

[5] Return the BOARD.

To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

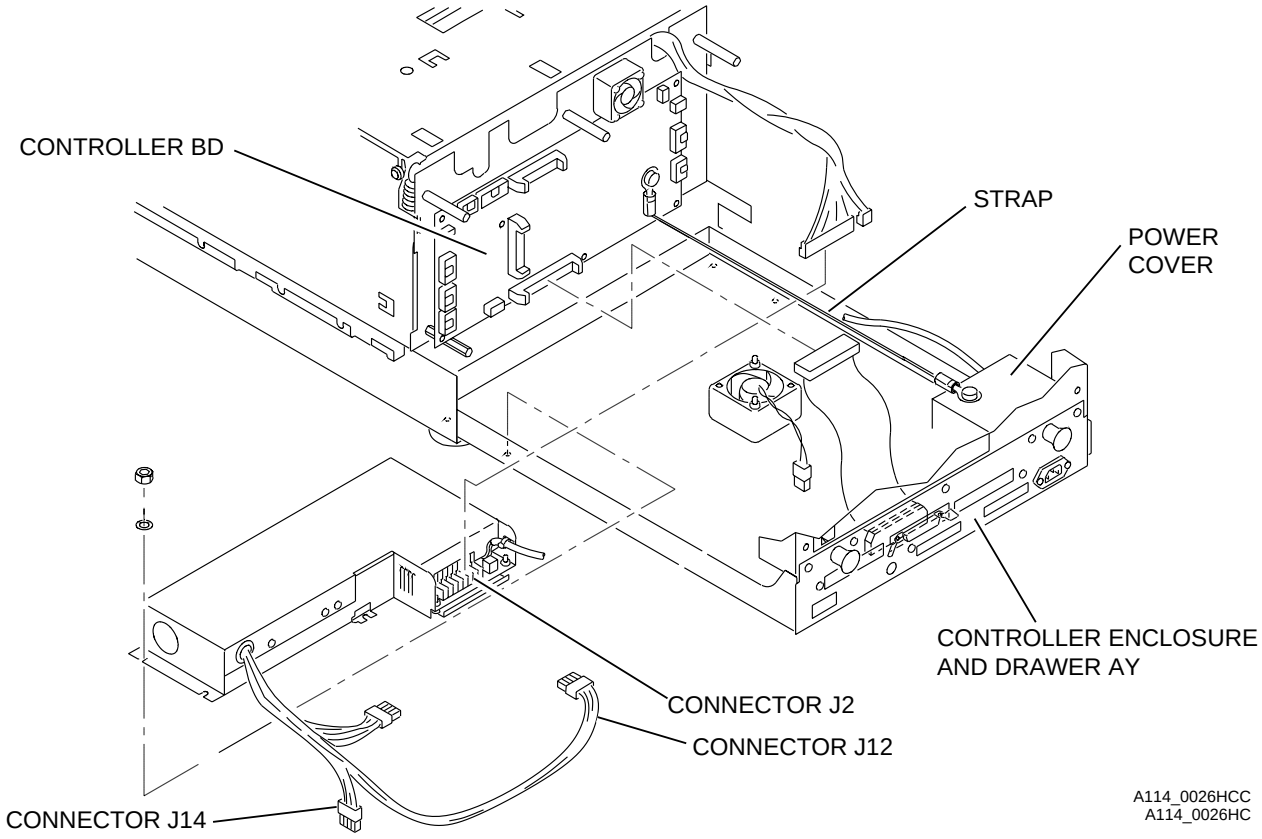
[1] Make a print from the HOST Computer.

POWER SUPPLY

Prerequisites:

[1] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

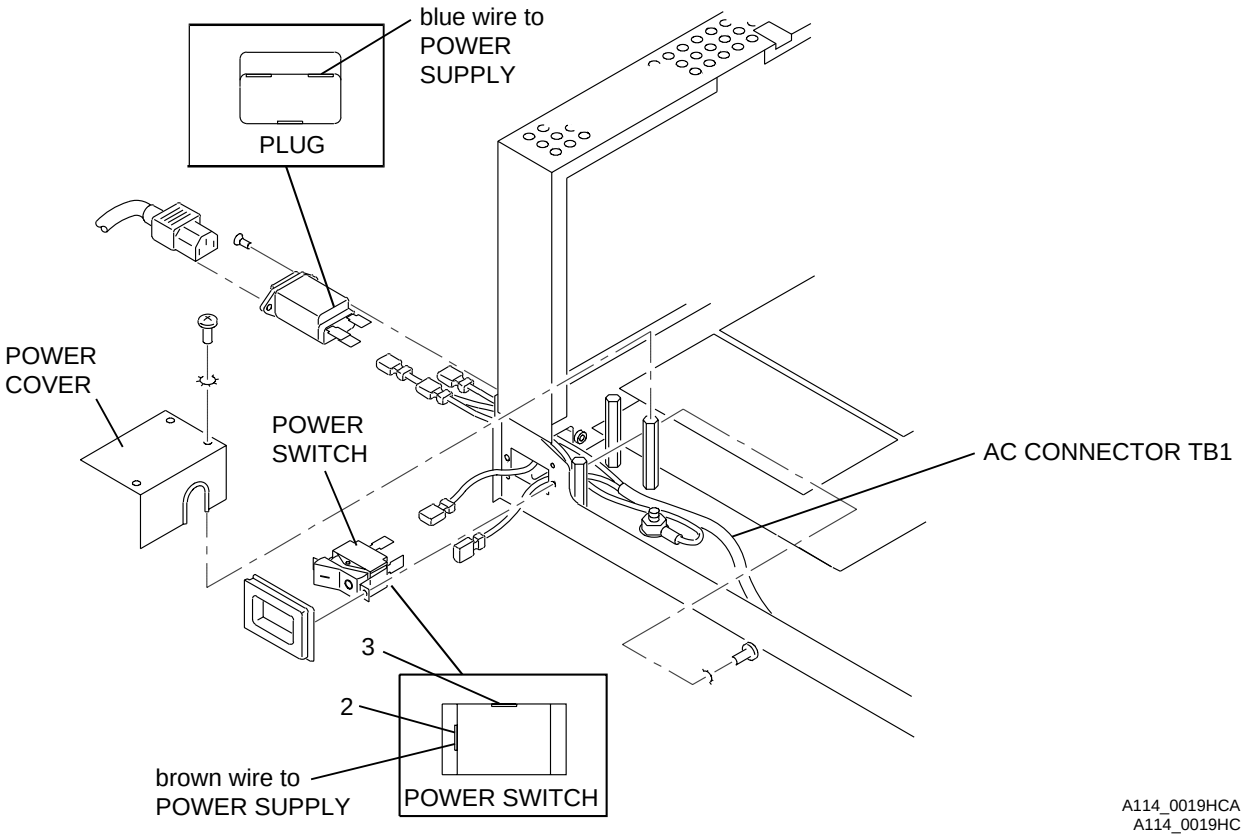
To Remove:



[1] Pull the CONTROLLER ENCLOSURE AND DRAWER AY out.

[2] Remove:

- CONNECTOR J14 from the FEE BD/PRO K B BD - see Page 78
- CONNECTOR J12 from the CONTROLLER BD
- STRAP from the POWER COVER
- CONNECTOR J2

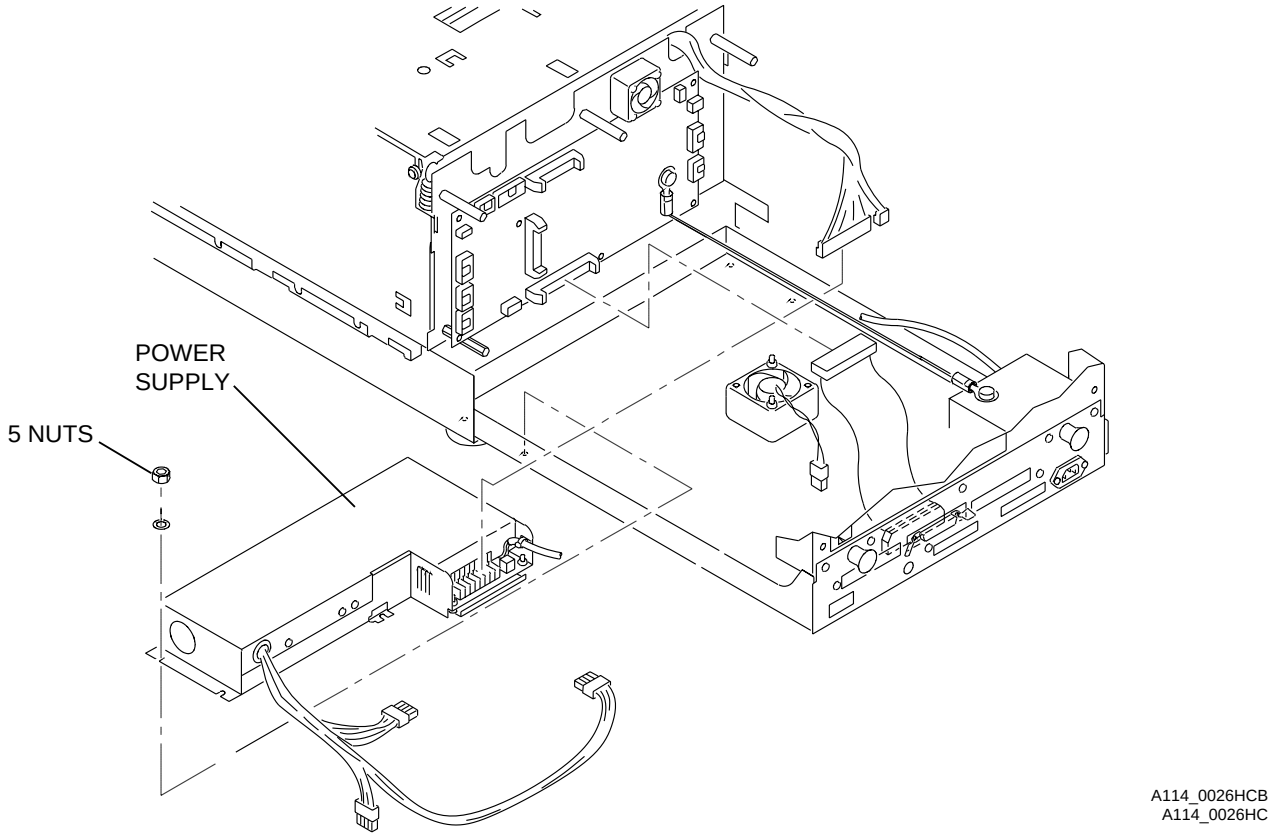


[3] Remove:

- AC CONNECTOR TB1
- POWER COVER

[4] Disconnect:

- brown wire from position 2 on the POWER SWITCH
- blue wire on the PLUG



[5] Remove:

- 5 NUTS
- POWER SUPPLY

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

[1] Adjust the voltage for the THERMAL HEAD. See Page 21.

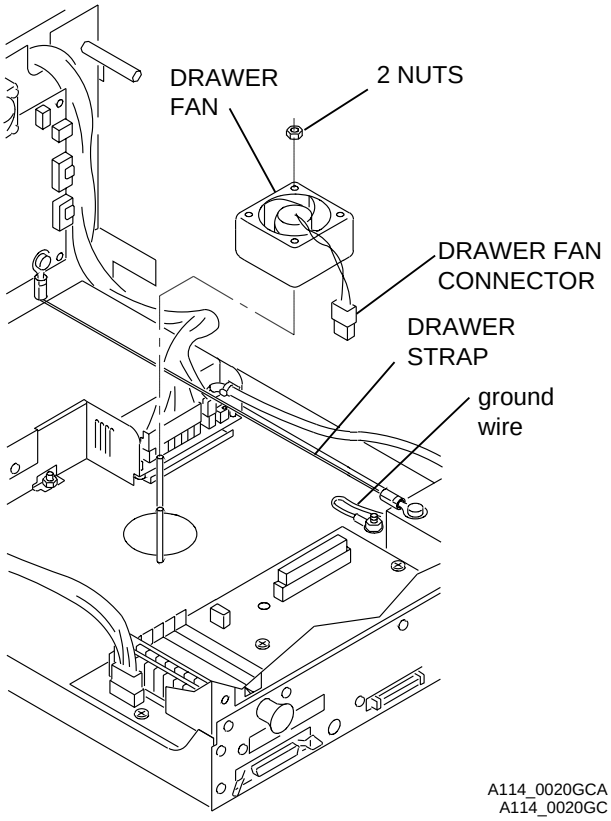
[2] Make a print to check for correct operation.

DRAWER FAN

Prerequisites:

[1] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



[1] Disconnect the DRAWER FAN CONNECTOR.

[2] Remove:

- DRAWER STRAP
- 2 NUTS
- DRAWER FAN
- ground wire

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

Warning

Dangerous Voltage

[1] Energize the PRINTER.

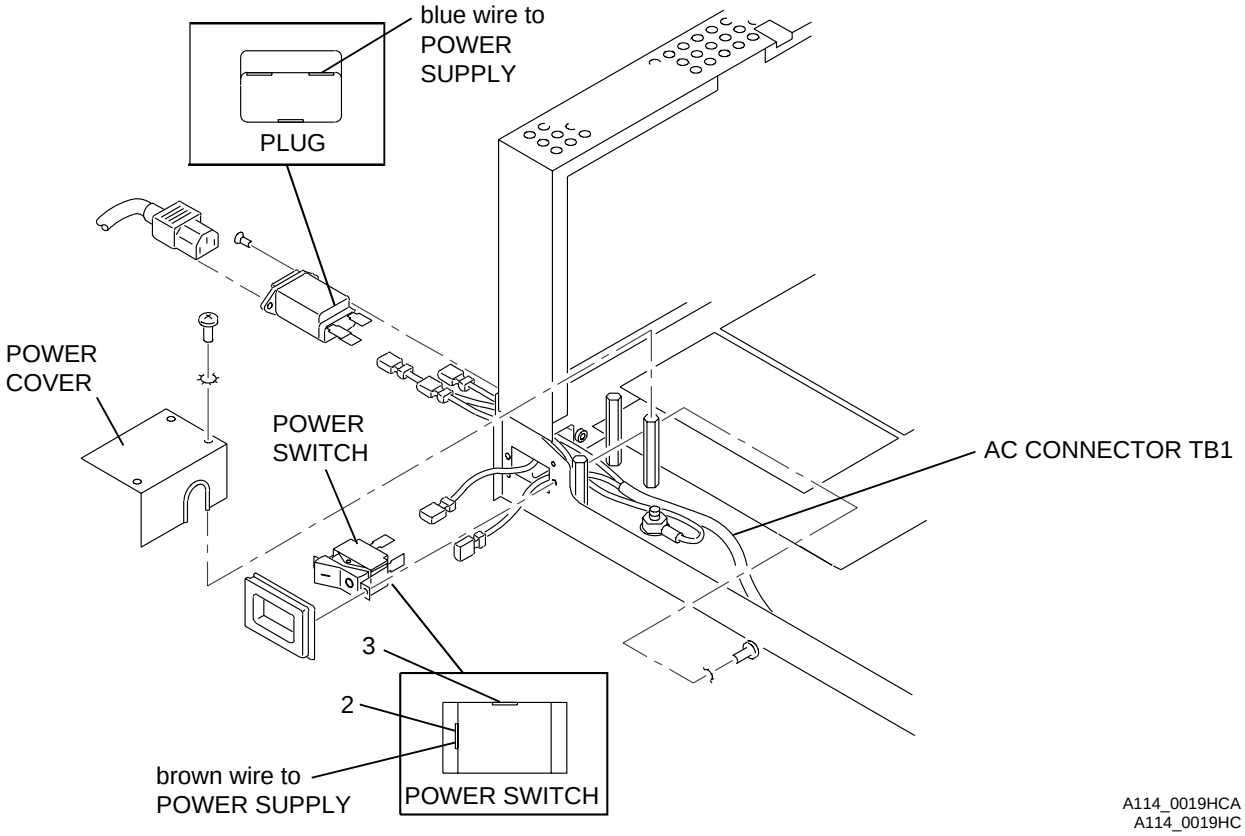
[2] Check for correct operation.

PLUG

Prerequisites:

[1] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



[1] Remove:

- 3 SCREWS from the POWER COVER
- POWER COVER
- 2 SCREWS from the PLUG
- PLUG
- ground wire
- black wire from position 3
- brown wire from position 2

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

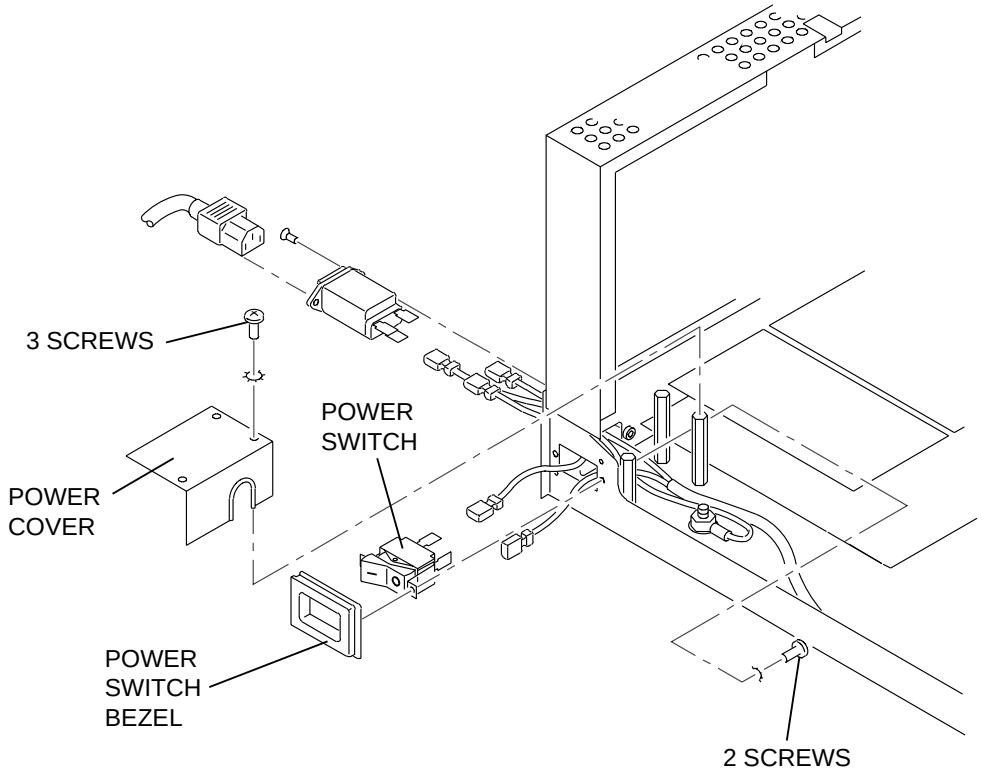
None

POWER SWITCH

Prerequisites:

[1] Open the CONTROLLER ENCLOSURE AND DRAWER AY. See Page 39.

To Remove:



A114_0021HCA
A114_0021HC

[1] Remove:

- 3 SCREWS from the POWER COVER
- POWER COVER
- 2 SCREWS from the POWER SWITCH
- POWER SWITCH BEZEL
- POWER SWITCH

To Install:

[1] Reverse the steps for the removal procedure.

Postrequisites:

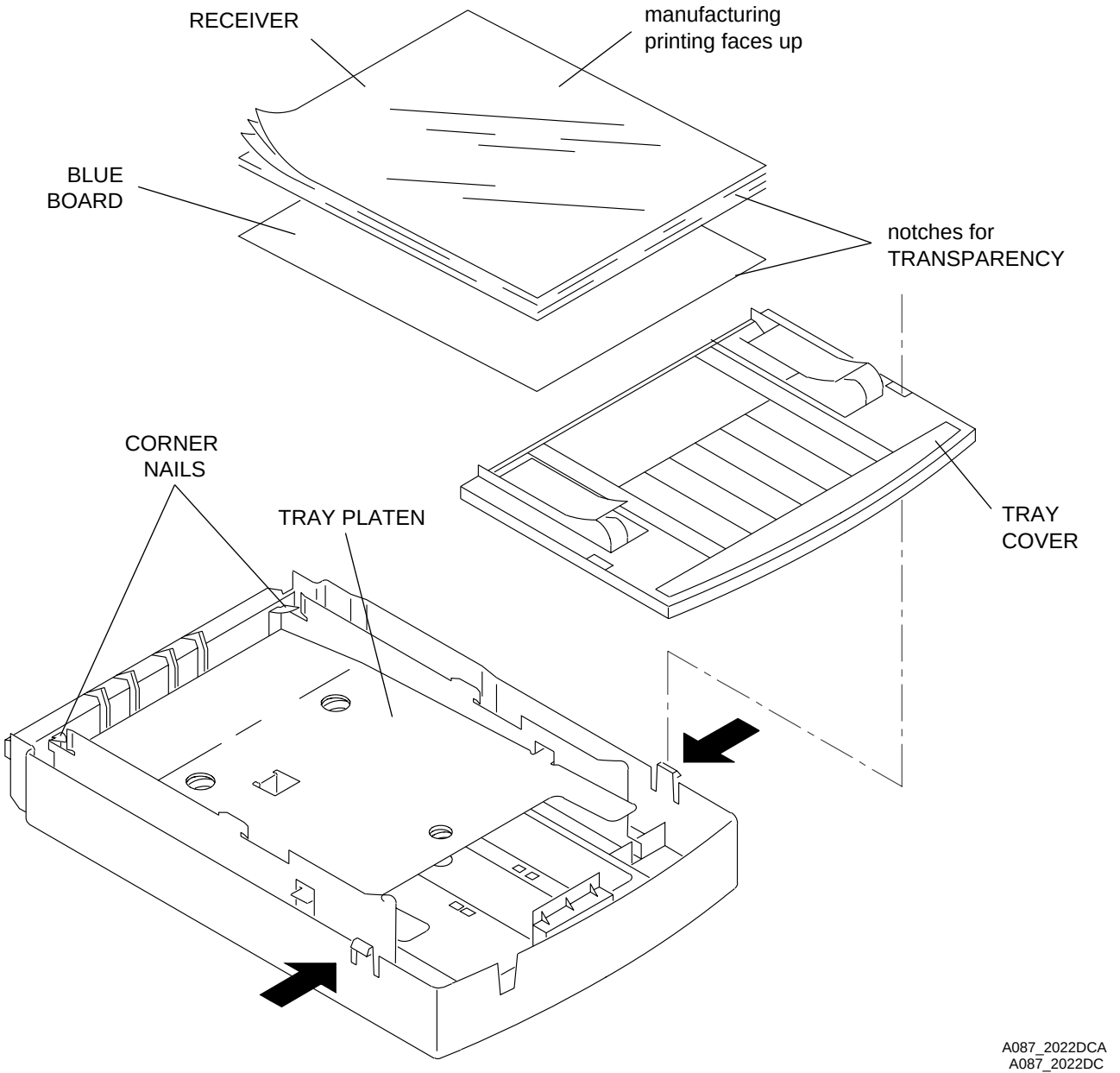
None

UNI-TRAY

Prerequisites:

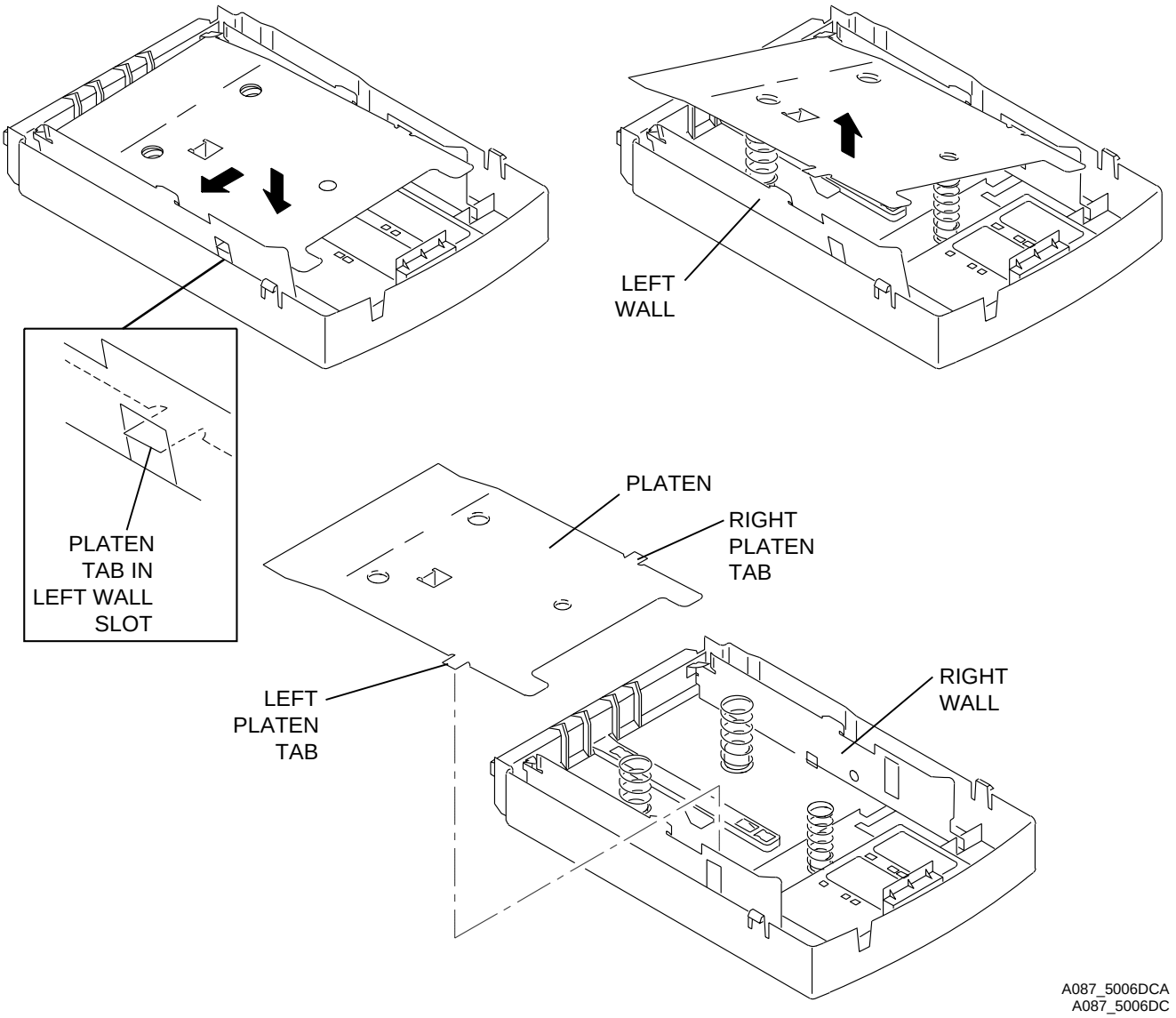
[1] None

To Remove:



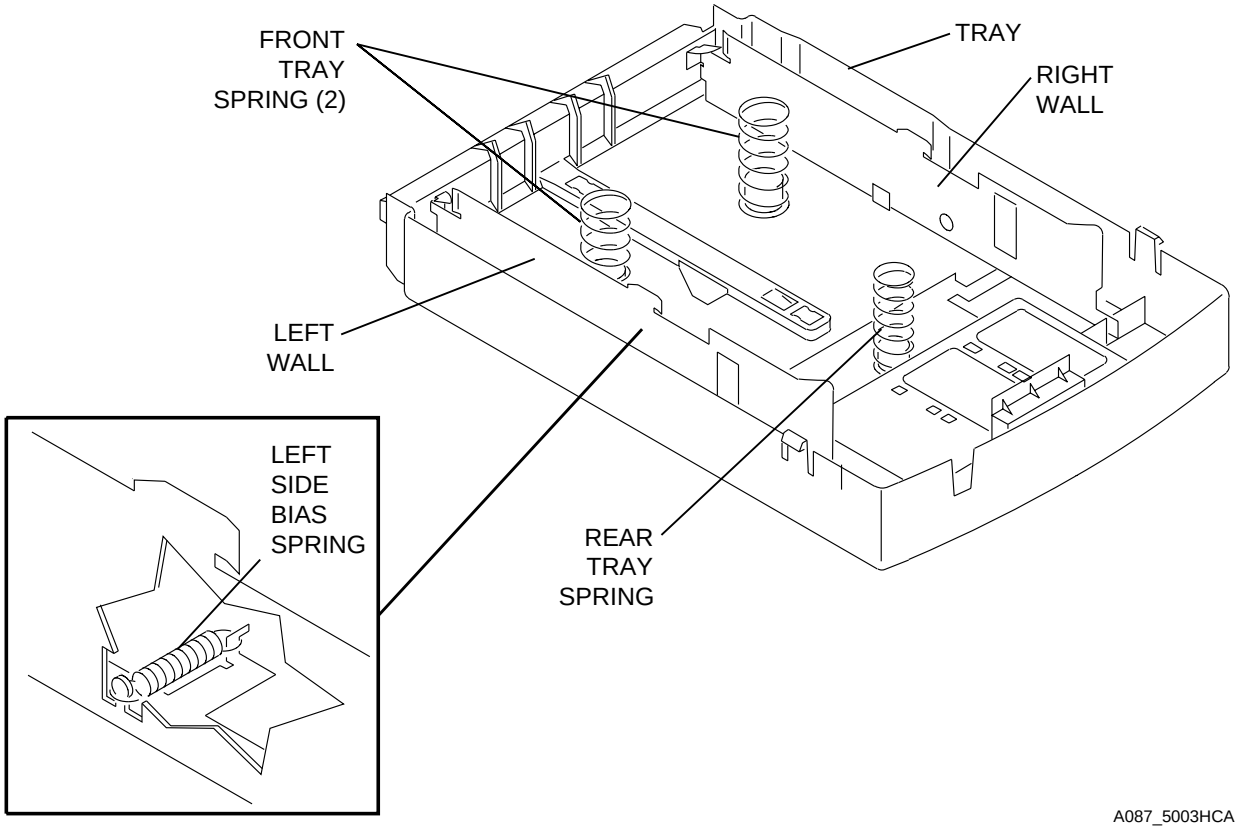
[1] Remove:

- TRAY COVER
- RECEIVER - if installed
- WHITE BD - if installed



[2] Compress the PLATEN on the left side. Move the LEFT WALL until the LEFT PLATEN TAB is out of the LEFT WALL SLOT.

[3] Lift the PLATEN up from the left side. Move the PLATEN to the left.



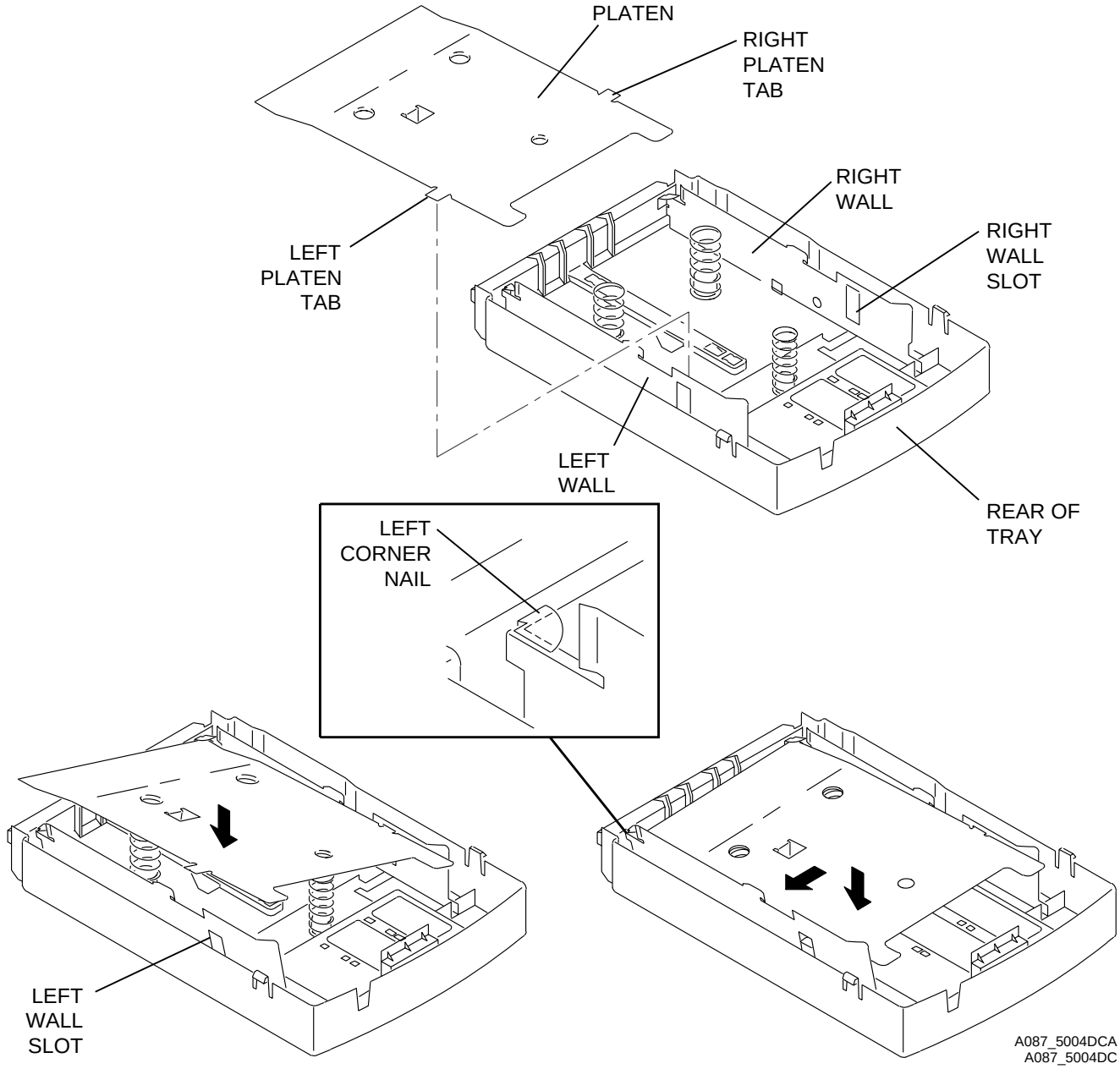
[4] Check:

- LEFT SIDE BIAS SPRING is connected to the LEFT WALL
- 2 FRONT TRAY SPRINGS are correctly seated on the plastic POSTS
- REAR TRAY SPRING is correctly seated on the plastic POST

Note

The 2 FRONT TRAY SPRINGS are the same size as the POSTS. The REAR TRAY SPRING is smaller and shorter than the FRONT TRAY SPRINGS.

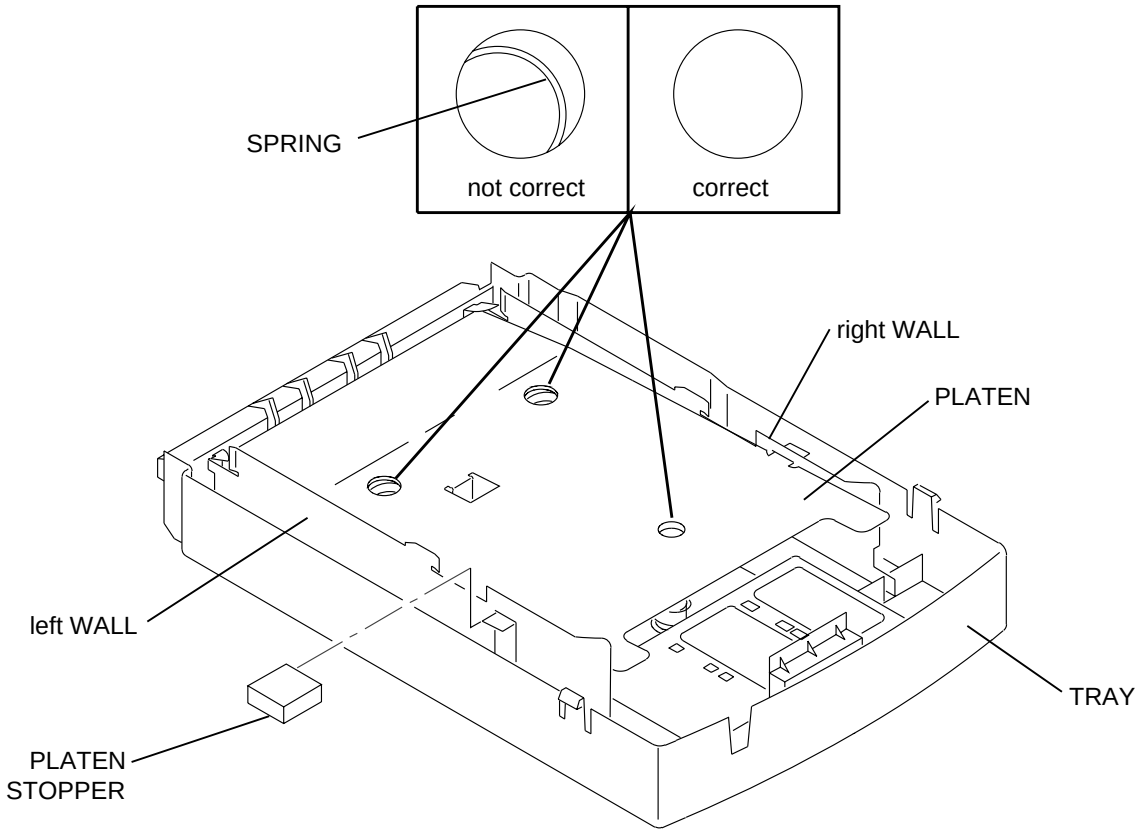
To Install:



[1] Reverse the steps for the removal procedure.

[2] Check:

- right and left corners of the PLATEN are under the RIGHT and LEFT CORNER NAILS
- RIGHT and LEFT PLATEN TABS are in the RIGHT and LEFT WALL SLOTS
- FRONT and REAR TRAY SPRINGS are seated correctly under the PLATEN



Important

The original A and A4 size UNI-TRAYS do not have a PLATEN STOPPER installed.

[3] If necessary, install a PLATEN STOPPER:

(a) Press the right side of the PLATEN down.

(b) Install the PLATEN STOPPER on the LEFT PLATEN TAB.

Postrequisites:

None

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