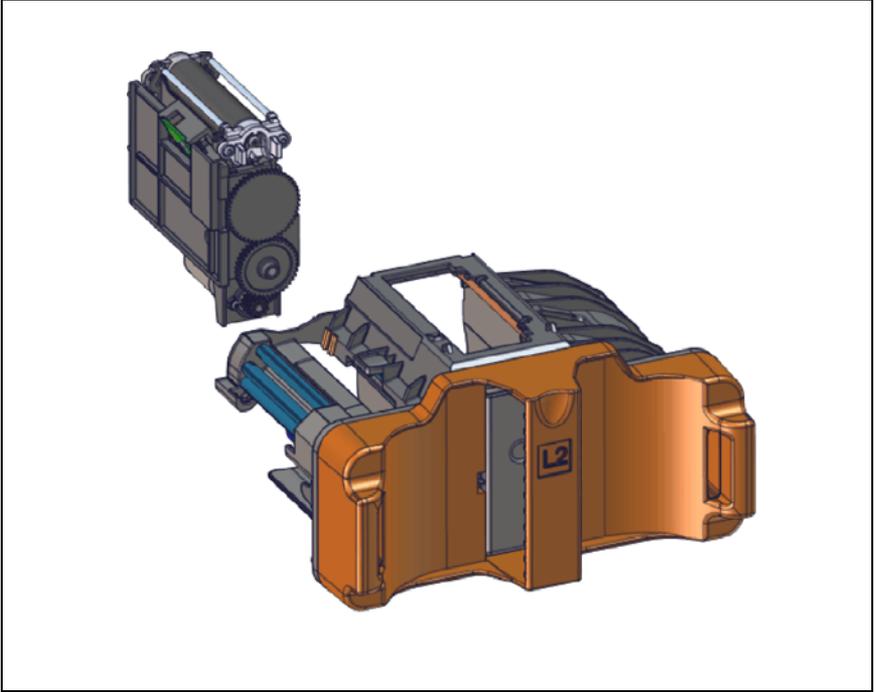


## L2 LAMINATOR UPGRADE KIT INSTALLATION INSTRUCTIONS FOR SLM/CLM LAMINATORS



These instructions apply to the following laminators:

Upgrade Kit Number	SLM	CLM
509327-001 L2 Laminator Upgrade Kit	X	X

## Additional Tools and Materials

These tools and materials are not supplied with this kit.

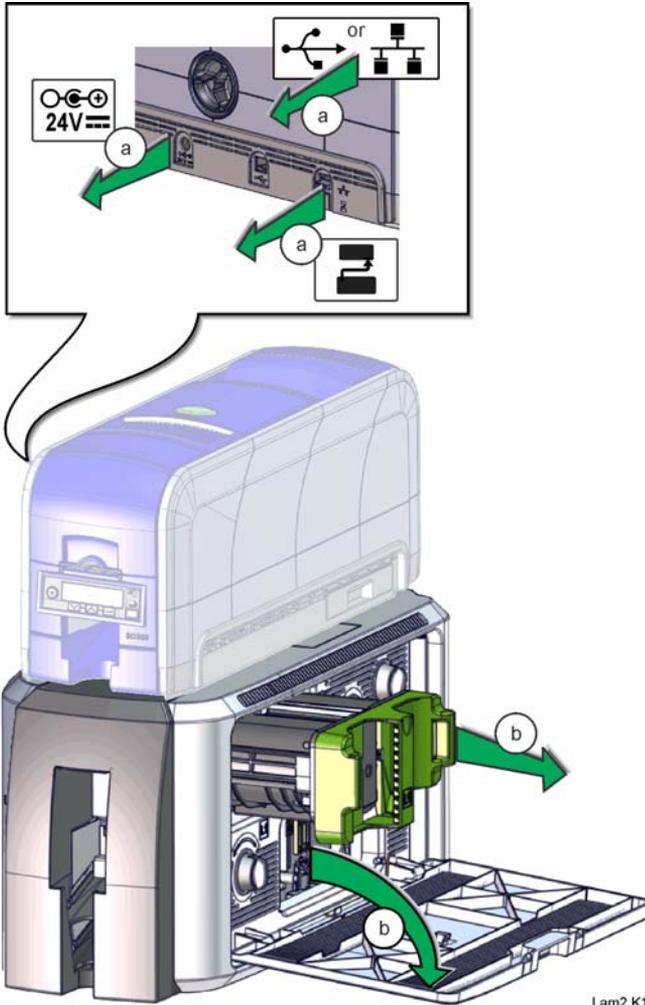
- 1/16" hex wrench
- T6 Torx screwdriver
- T10 Torx screwdriver
- T20 Torx screwdriver
- The printer and laminator *Service Manual*

## PC Requirements

- The printer connected to the PC and a sample card printed

## Hardware Installation

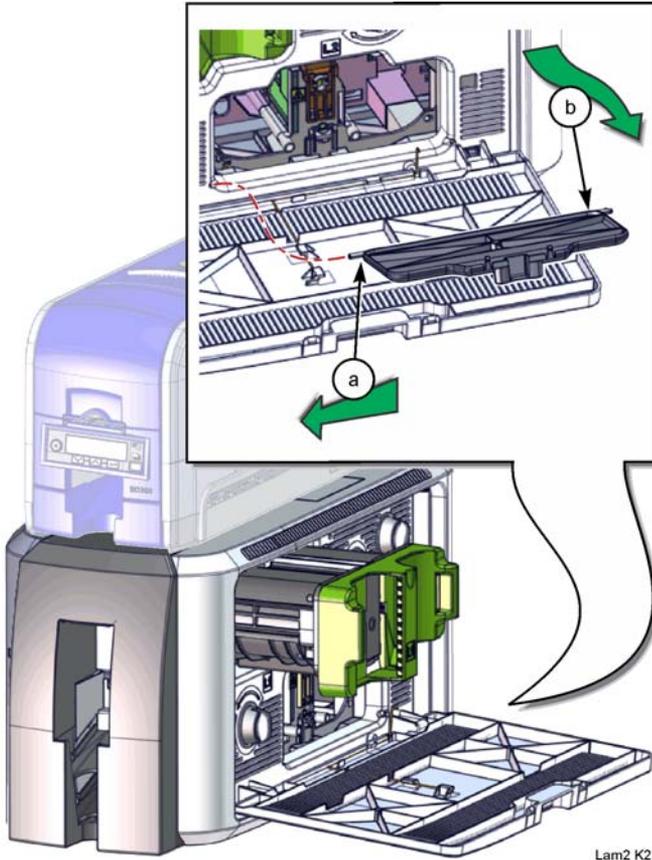
1. Remove connections and supplies from the laminator.
  - a. Disconnect the power, interconnect, and USB or Ethernet cables from the printer.
  - b. Open the laminator access door and remove the L1 overlay supply cartridge.



Lam2 K1

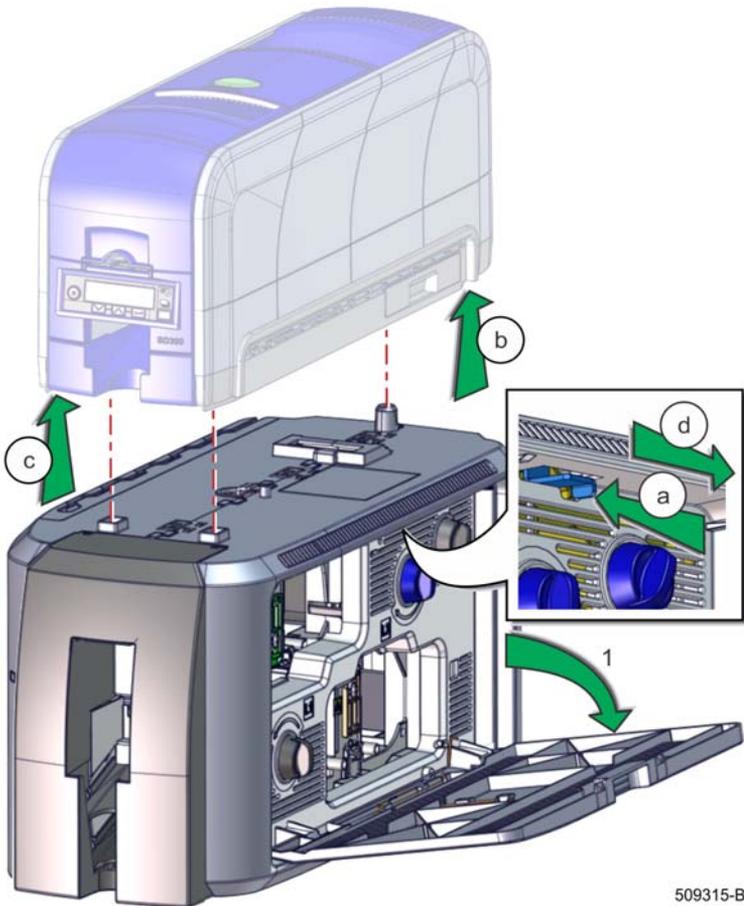
## L2 LAMINATOR UPGRADE KIT

2. Remove the L2 filler plate.
  - a. Pivot out the L2 filler plate and slide it to the left.
  - b. Slide the filler plate out to the right to remove it.



Lam2 K2

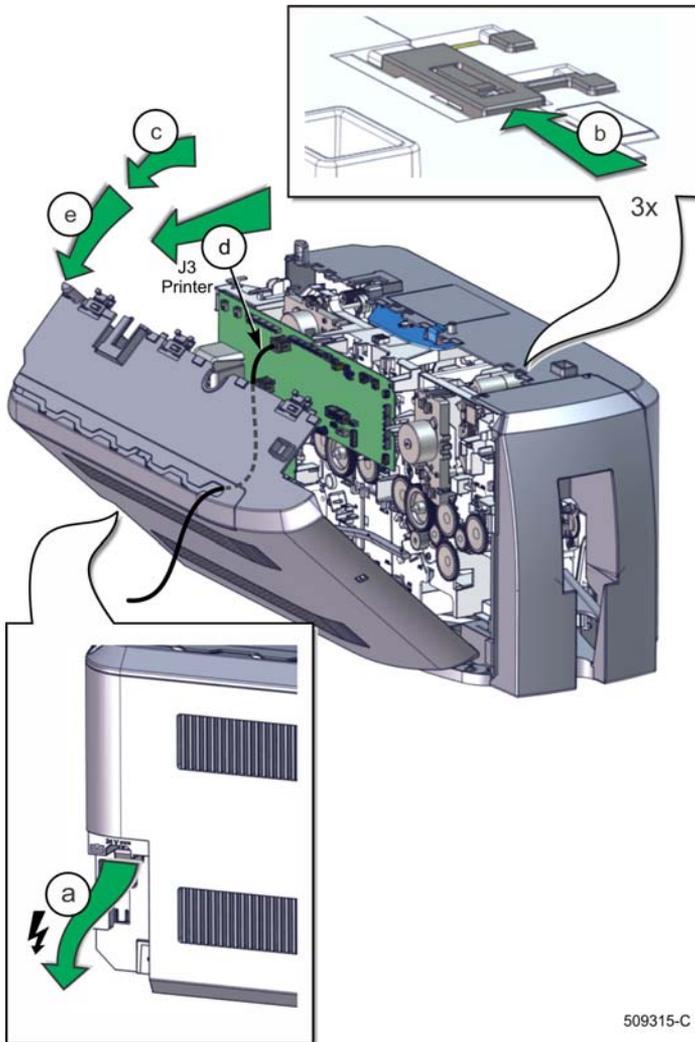
3. Remove the printer from the laminator.
  - a. Slide the lock lever forward to unlock the printer from the laminator.
  - b. Pull up on the back of the printer.
  - c. Pull up on the front of the printer and remove the printer from laminator.
  - d. Slide the lock lever back to locking position.



509315-B

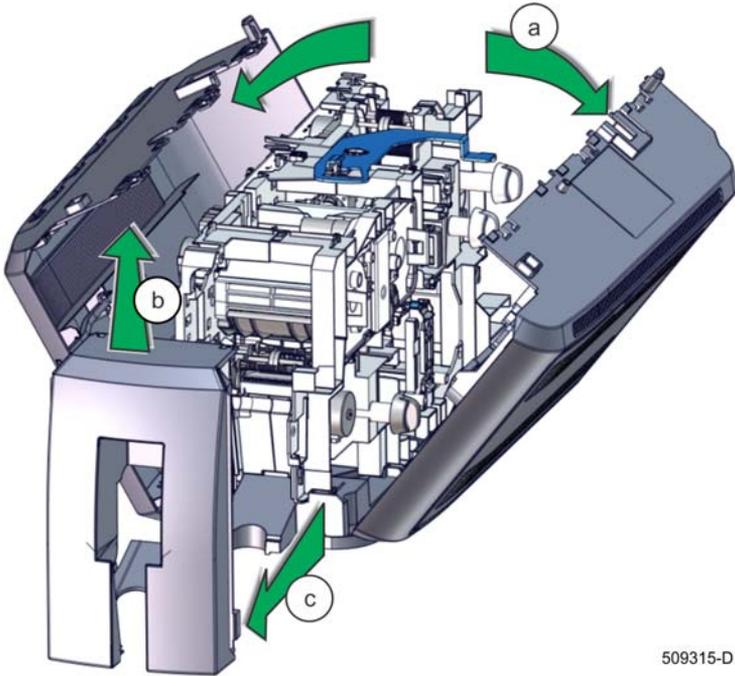
## L2 LAMINATOR UPGRADE KIT

4. Remove the left-side laminator enclosure.
  - a. Unplug the power cord from the laminator.
  - b. Push the three locking tabs toward the back of the laminator.
  - c. Slightly pull out the left side of the laminator enclosure.
  - d. Pull the interconnect cable through the top of the laminator enclosure.
  - e. Remove the left side of the laminator enclosure.



509315-C

5. Remove the remaining laminator enclosures.
  - a. Pull out and remove the right-side laminator enclosure.
  - b. Pull up on the laminator hopper.
  - c. Pull out and remove the laminator hopper.

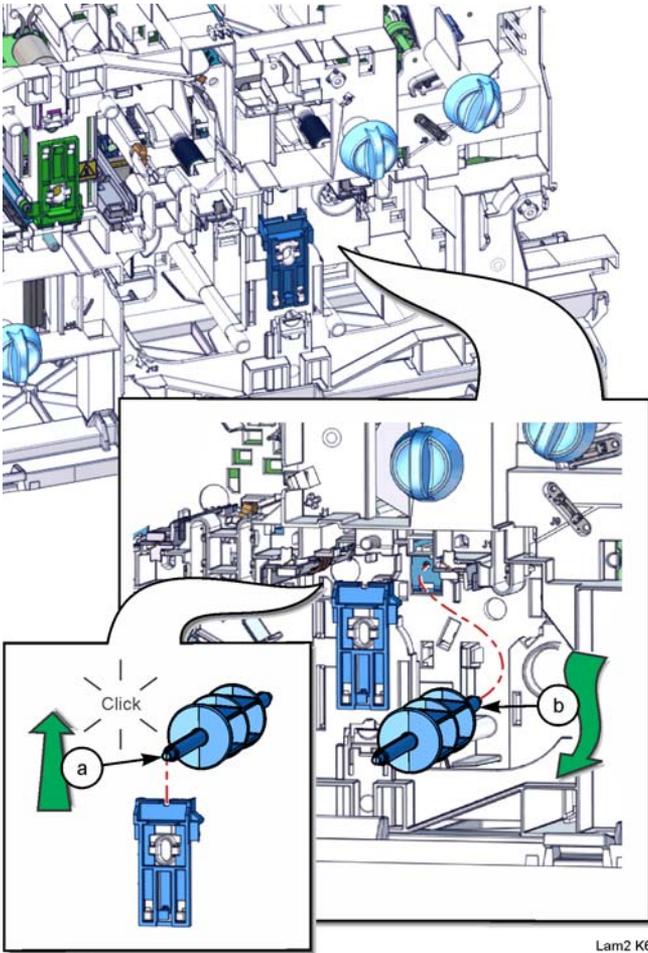


509315-D

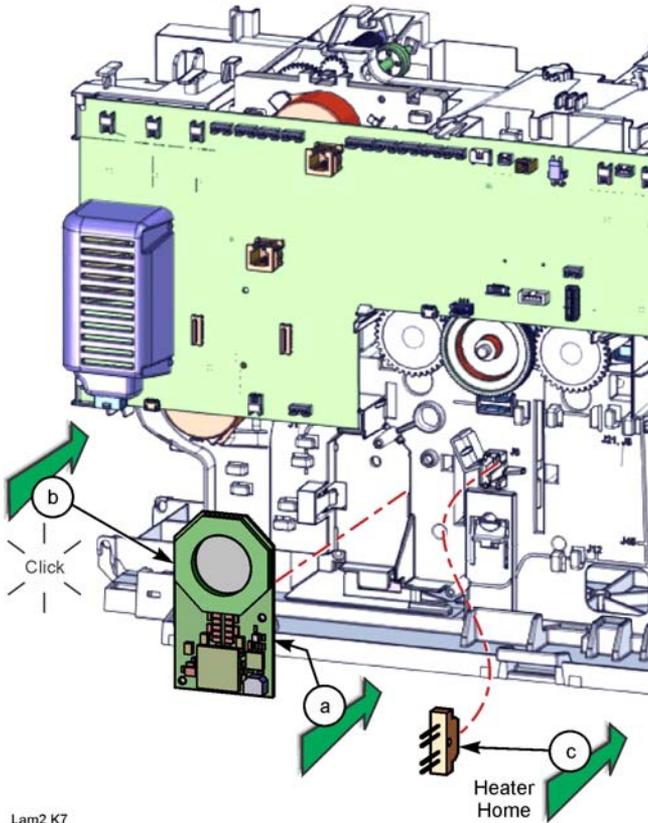
## L2 LAMINATOR UPGRADE KIT

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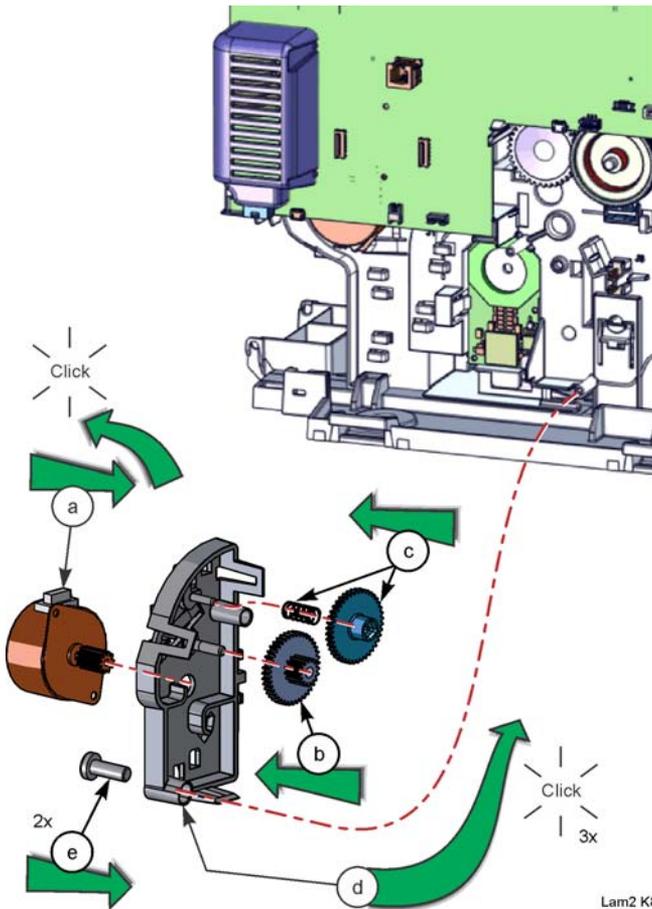
6. Remove the roller.
  - a. Pull up the roller until it snaps out.
  - b. Remove the roller from the laminator frame.



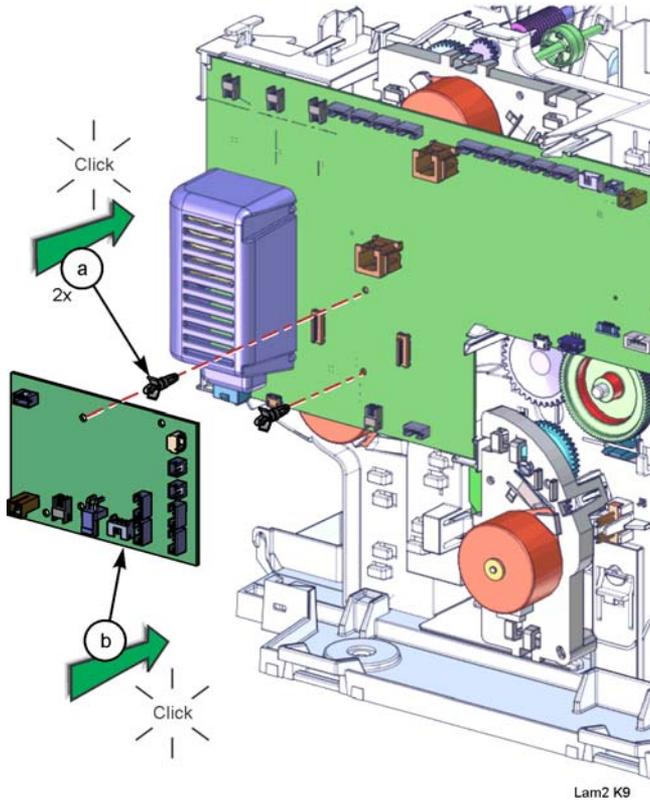
7. Install the L2 RFID board and L2 heater home sensor.
  - a. Align the L2 RFID board with its mounting on the laminator frame.
  - b. Push in the L2 RFID board until it snaps into its mounting on the laminator frame.
  - c. Push the L2 heater home sensor into its mounting on the laminator frame.



8. Install the laminator motor plate assembly.
  - a. Push down the motor on the laminator motor plate and rotate the motor into its tabs to secure it.
  - b. Install the drive gear (with teeth) on the laminator motor plate pin.
  - c. Install the spring and the idler gear (without teeth) on the laminator motor plate pin.
  - d. Carefully align the laminator motor plate assembly into mounting pins on the laminator frame.
  - e. Secure the laminator motor plate assembly using six screws.

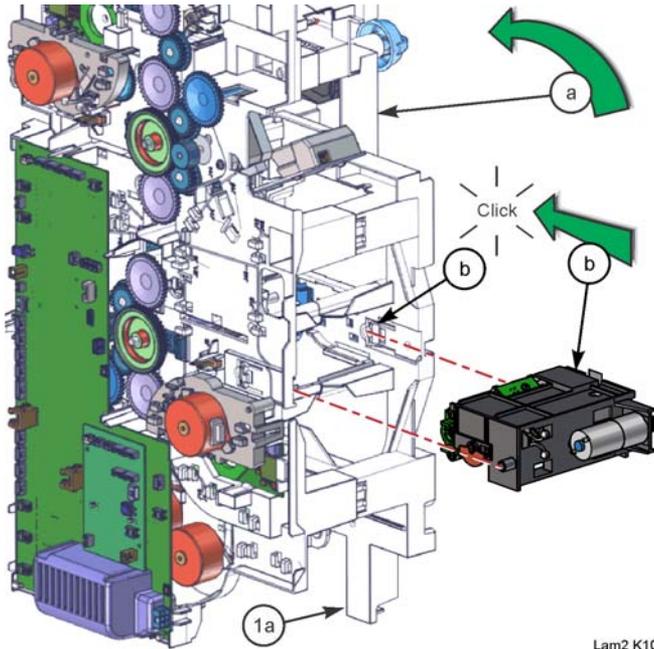


9. Install the L2 control board.
  - a. Install two stand-offs on the laminator control board.
  - b. Install the L2 control board on the stand-offs.

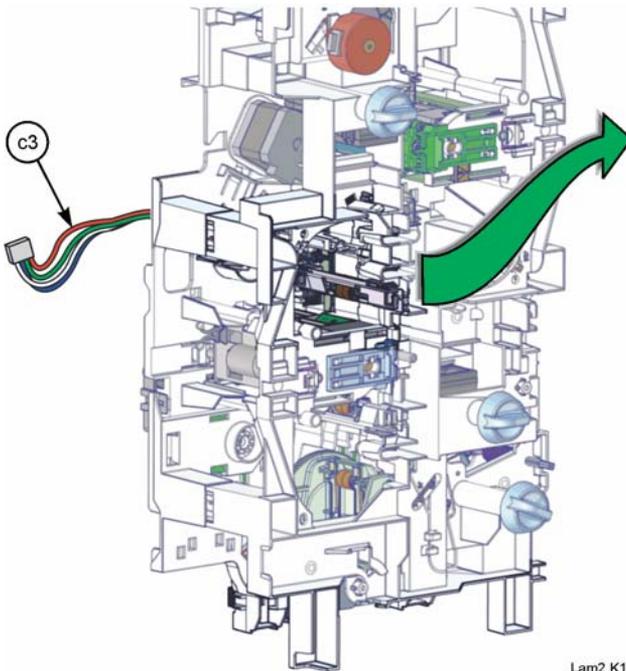


Lam2 K9

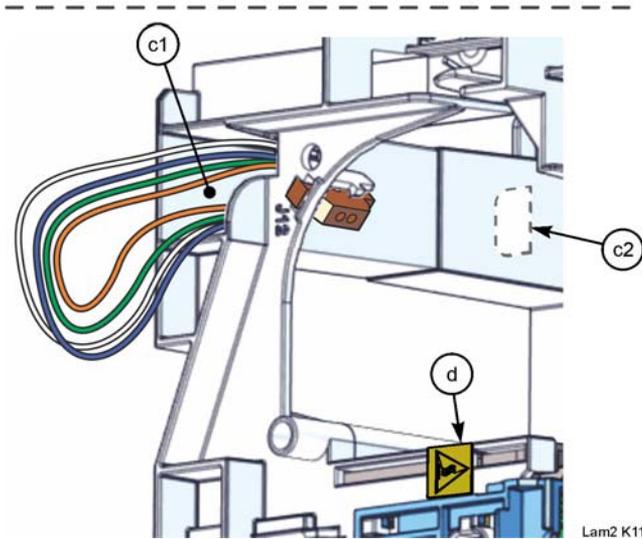
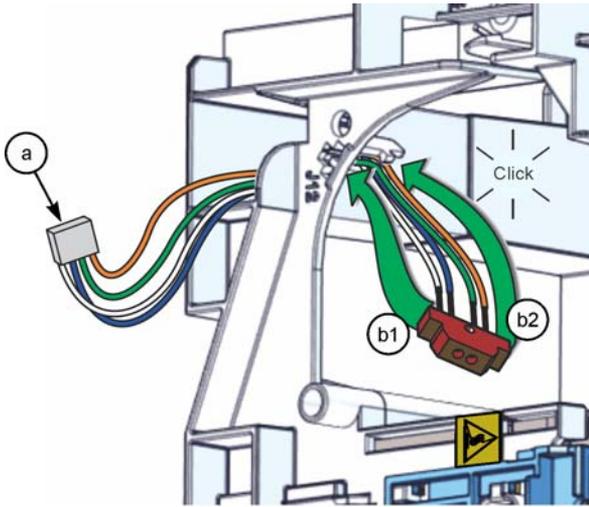
10. Install the heated roller assembly.
  - a. Stand up the laminator frame vertically on its rear support legs.
  - b. Carefully slide the heated roller assembly into the laminator frame until it snaps into its mounting.



11. Install the L2 film motion sensor.
  - a. Thread the cable through its mounting channel in the laminator frame.
  - b. Tip the sensor (b1), insert the sensor into its mounting channel, and pivot in the other end (b2).
  - c. Guide the wires back through the mounting channel (c1), through the opening (c2), and through the other side (c3). Take up the slack, gently pulling the connector and wires through the channel.
  - d. Peel off and apply the hot surface label to the laminator frame.



Lam2 K11A



Lam2 K11B

12. Install the L2 film index sensor.



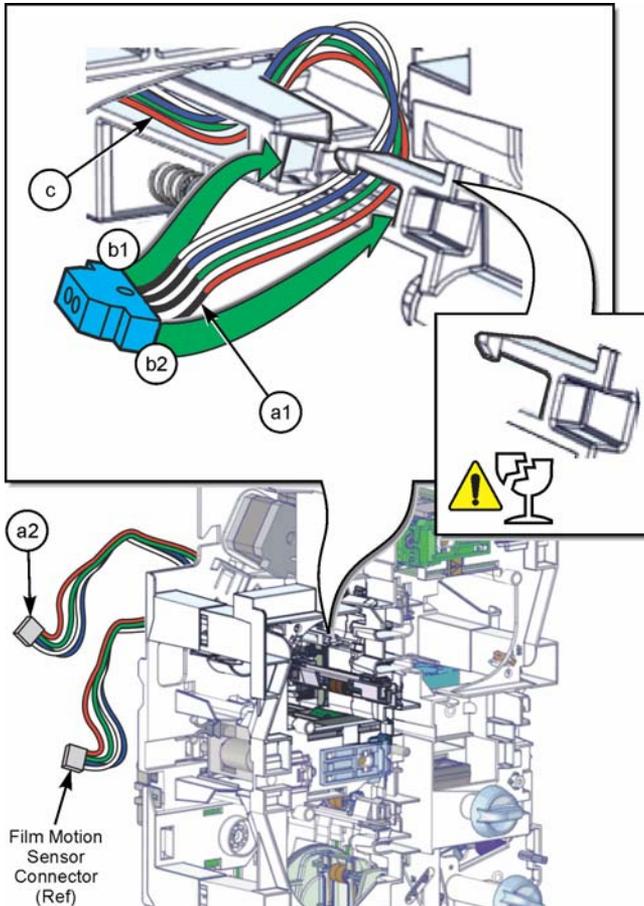
The wires from the L2 card registration sensor are already in the channel of the laminator frame and must be gently moved to clear room when routing the film index sensor wires

- a. Gently bend the wires of the L2 film index sensor (a1) upward and carefully feed the connector and wires through the channel of the laminator frame and out the other side (a2).



The sensor retainer tab is fragile.

- b. Tip the sensor (b1), insert the sensor into its mounting channel, and pivot in the other end (b2).
- c. Take up the slack, gently pulling the connector and wires through the channel.



13. Install the heater assembly.

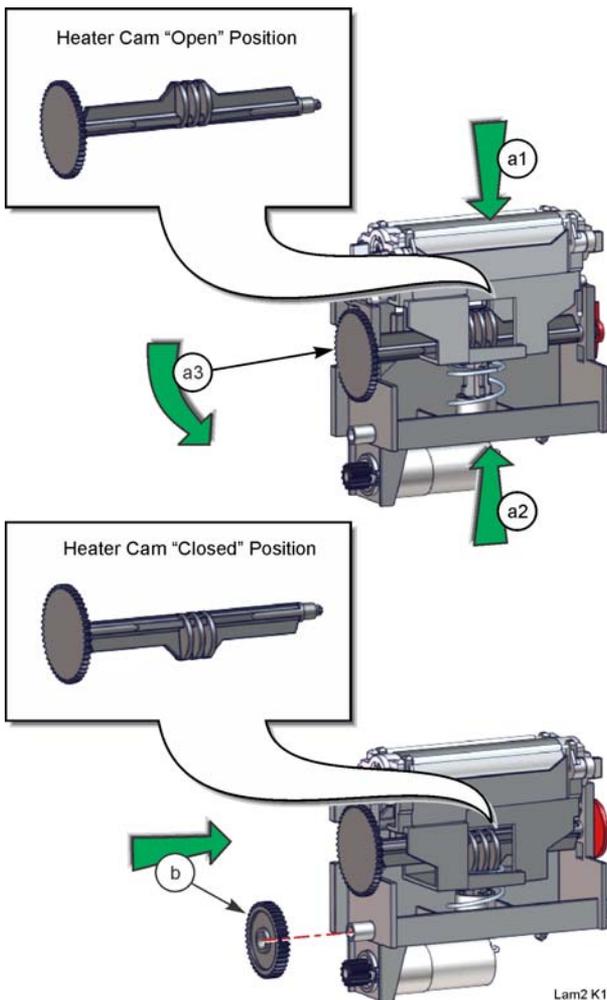


The heater cam must be in the closed position before installation.



Take care to protect the heated roller during the installation of the heater assembly.

- a. Push the upper (a1) and lower (a2) heater assembly housings together while rotating the cam gear (a3) from an open to a closed position.
- b. Install the gear and make sure that all of the gears in the heater assembly connect and roll together.



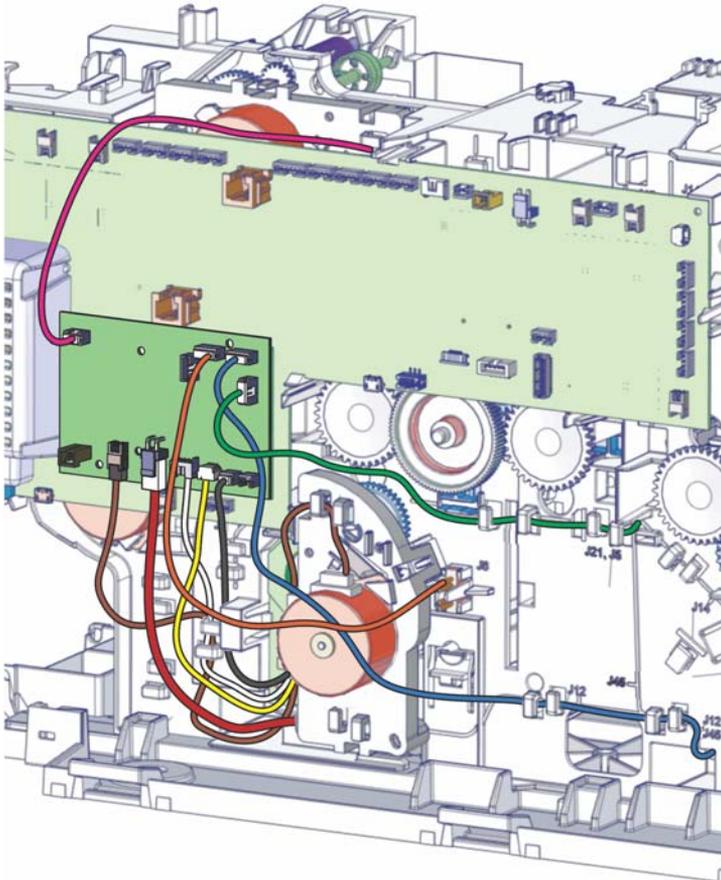
Lam2 K14

14. Install the connections from the L2 components to the L2 control board.

J1	Fan
J2	RFID Board
J4	Heater Lift Motor
J5	Film Index Sensor
J6	Heater Home Sensor

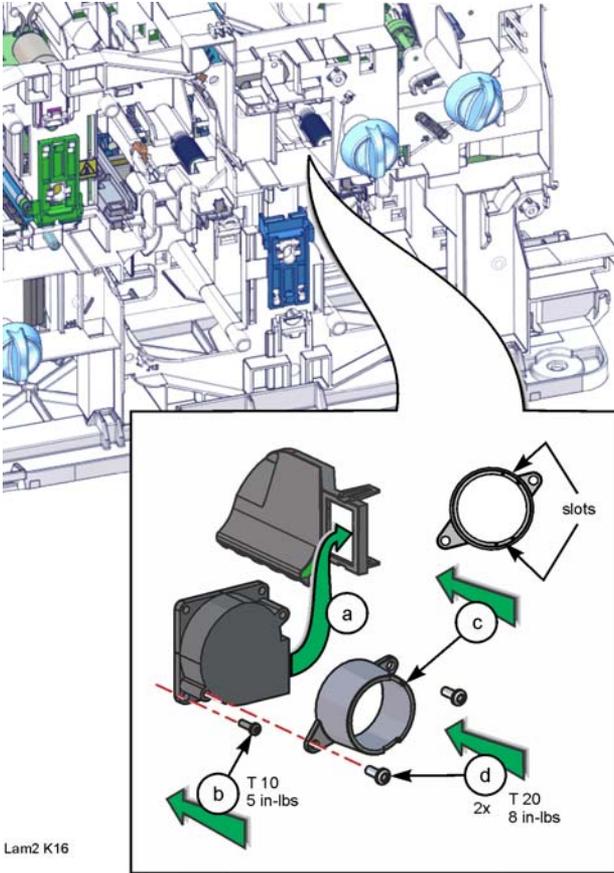
J8	Film Transport Motor
J9	Heater
J10	Non-Contact (Ground)
J12	Film Motion Sensor

- J1  Fan
- J6  Heater Home
- J12  Film Motion
- J5  Film Index
- J8  Film Trans Motor
- J9  Heater
- J10  Non-Contact
- J2  RFID
- J4  Heater Lift



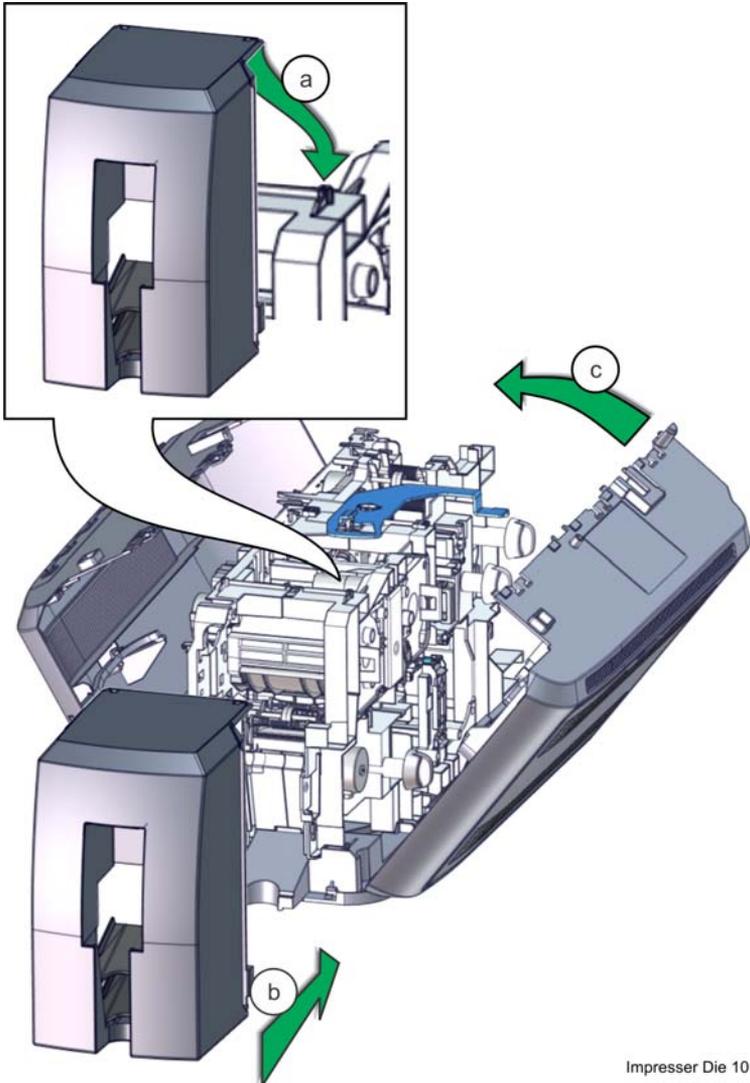
## L2 LAMINATOR UPGRADE KIT

15. Install the L2 fan.
  - a. Align the fan with the open channel in the laminator frame.
  - b. Secure the fan using two T-10 screws. Tighten the screws to 5 in-lbs.
  - c. Align the holes on the collar with the installed fan.
  - d. Secure the collar onto the fan using two T-20 screws. Tighten screws to 8 in-lbs.



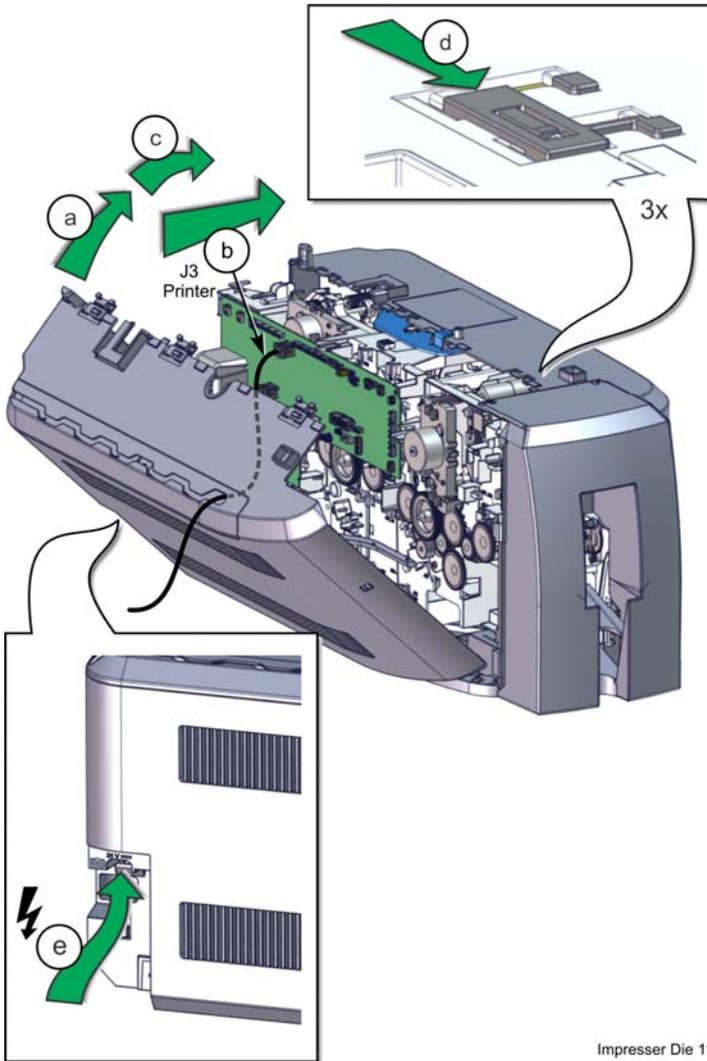
16. Replace the laminator enclosures.

- a. Match the mounting tabs in the laminator frame and push down on the laminator hopper.
- b. Push the laminator hopper back to secure its installation.
- c. Match the tabs in the laminator base and pivot the right-side laminator enclosure up.



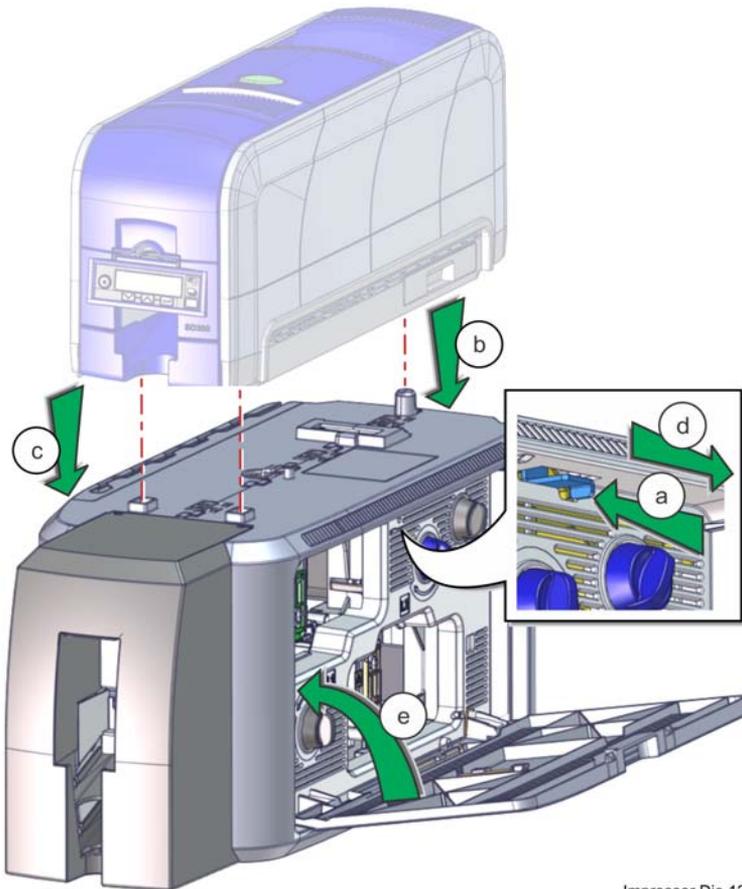
Impresser Die 10

17. Replace the left-side laminator enclosure.
  - a. Push the three locking tabs towards the back of the laminator.
  - b. Slightly pull out the left side of the laminator enclosure.
  - c. Pull the interconnect cable through the top of the laminator enclosure.
  - d. Remove left side of the laminator enclosure.
  - e. Plug the power cord into the laminator.



18. Replace the printer on the laminator.

- a. Slide the lock lever forward to the unlock position.
- b. Align the printer with the mounting tabs on the laminator and set down the back of the printer.
- c. Set down the front of the printer on top of the laminator.
- d. Slide the lock lever back to locking position.
- e. Close the access door of the laminator.

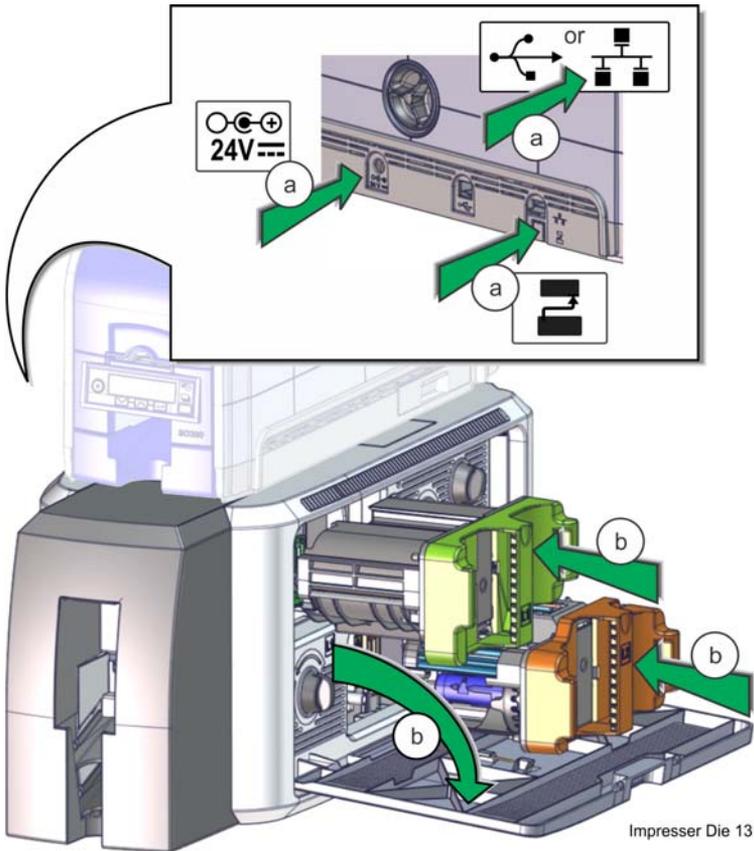


Impresser Die 12

## L2 LAMINATOR UPGRADE KIT

### 19. Connect laminator cables and install supplies.

- a. Connect the power, interconnect, and USB or Ethernet cables to the printer.
- b. Open the laminator access door and replace the overlay supply cartridges.



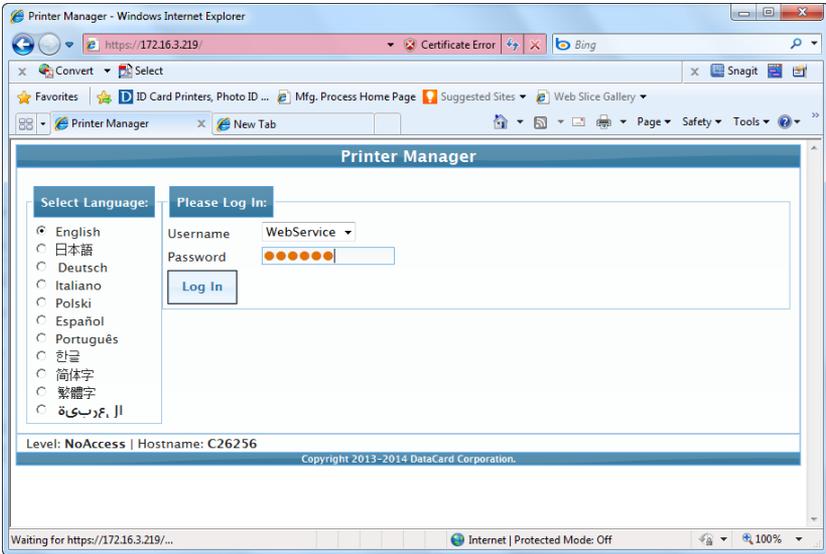
## Test Installation

Print a test card with an overlay feature from the L2 unit to confirm successful installation.

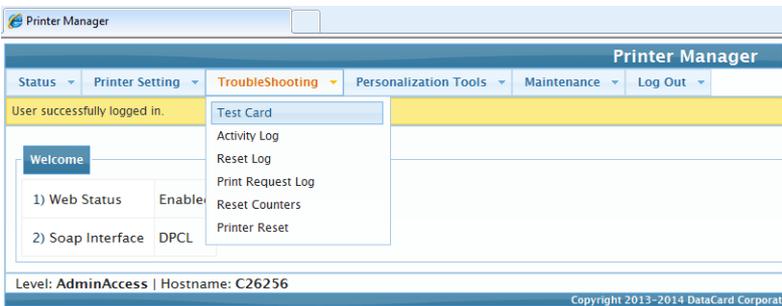
1. Open Printer Manager and select **WebService** user access, enter the **Service Password**, and then click **Log In**.



The Service Password is 926918 unless it was previously changed.



2. Select the **Troubleshooting** tab and select **Test Card**.



3. Select test card options and print a test card.
  - a. Clear the **Color** option and all other printing options.
  - b. Select **L2 Front** in the **Lamination Options** drop-down menu.
  - c. Click **Run** to print the test card.

Printer Manager					
Status	Printer Setting	Troubleshooting	Personalization Tools	Maintenance	Log Out
<b>Test Card</b>					
Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Monochrome	<input type="checkbox"/>	<input type="checkbox"/>			
Topcoat	<input type="checkbox"/>	<input type="checkbox"/>			
Second Topcoat	<input type="checkbox"/>	<input type="checkbox"/>			
Test Pattern to use for Color and/or Monochrome	TestPattern1	TestPattern1			
Lamination Options	None None L1 Front L1 Back L1 Front L1 Back <b>L2 Front</b> L2 Back L2 Front L2 Back L2 Back L1 Front L2 Front L1 Back				
Debow		<input type="checkbox"/>			
Impress		<input type="checkbox"/>			
Test Card Other Options					
Level: AdminAccess   Hostname: C26256			Copyright 2013-2014 DataCard Corporation		

4. Visually inspect the test card for the overlay applied on the front of the card from the L2 unit.



Refer to the *SLM/CLM Laminator System Service Manual* for details on laminator adjustments to change the features of overlay application.







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