

## **HDP5000 (2008 & 2013) Card Printer**

**SPARE PART LIST**

S000565 rev 4.5

June 2014

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## Revision History

The revision number for this document will be updated to reflect changes, corrections, updates and enhancements to this document.

Revision Control Number	Date	Document Title
Revision 4.5	April 2014	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Replace E000480 Power Supply use E001212. Price Change
Revision 4.4	April 2014	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Removed 2008 Cover Part number. Use 2013 cover part numbers EXCEPT THE FRONT BEZEL COVER USE D910283-01 FOR 2008 PRINTER AND D910702-01 FOR 2013 PRINTER
Revision 4.3	February 2014	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Added label part numbers
Revision 4.2	January 2014	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Update price for D910021-01
Revision 4.1	January 2014	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Removed D910054, now use D910704 for both the 2008 & 2013 HDP5000 Printer. Added picture of new FILM Cartridge
Revision 4.0	November 2013	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Replaced D910206 PH Power/Control Cable with EDP-00067
Revision 3.9	October 2013	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Clarified specific part numbers for HDP (2013) printer.
Revision 3.8	May 2013	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Added APPENDIX A NEW HDP5000 (2013) specific parts include: covers, motors, LCD
Revision 3.7	March 2013	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Replaced D910020-01 with D910536-01
Revision 3.6	October 2012	HDP5000 High Definition Card Printer/Encoder - Spare Parts List. Replaced A000441 with A910551

## Contacts

For additional offices around the world, see [www.hidglobal.com](http://www.hidglobal.com) corporate offices

North America	Europe, Middle East and Africa
HID Corporate 611 Center Ridge Drive Austin, TX 78753 Phone: 800 237 7769 Fax: 949 732 2120	Haverhill Business Park Phoenix Road Haverhill, Suffolk CB9 7AE England Phone: 44 (0) 1440 714 850 Fax: 44 (0) 1440 714 840

### Asia Pacific

19/F 625 King's Road  
North Point, Island East Hong Kong  
Phone: 852 3160 9800  
Fax: 852 3160 4809

HID Global Customer Support: [support.hidglobal.com](http://support.hidglobal.com)

**\*\*\* Refer to Appendix A for specific HDP5000 (2013) Card Printer Spare Parts.**

NEW HDP5000 (2013) Card Printer part numbers 0896xx to 0899xx, with serial number cut-in B3080651.

**Note:** The parts noted in the APPENDIX A are not backwards compatible with HDP5000 (2008) Card Printer part number 0890XX. (Unless otherwise stated)

**Covers are compatible for both 2008 & 2013 Card Printers**

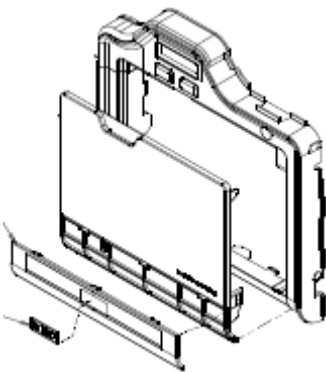
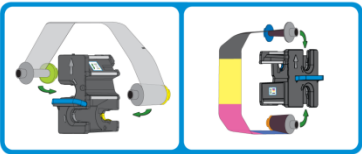
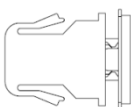

**EXCEPT THE FRONT BEZEL COVER USE D910283-01 FOR 2008 PRINTER AND D910702-01 FOR 2013 PRINTER**

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014

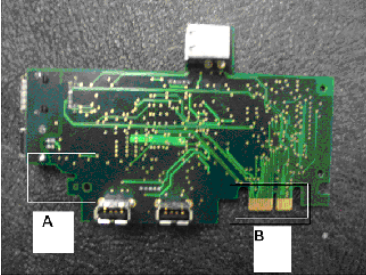

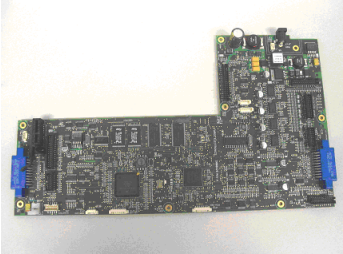
Name (Part Number)	Price	Photo
<p>Front Panel Trim Cover (D910283-01)</p> <p>(contains Front door cover, LCD board, HID Badge, and cable)</p> <p>If you need just the LCD board, you must purchase the complete Front Panel Trim Cover.</p> <p><b>Compatible for 2008 Printer ONLY</b></p>	\$216.50	 <p>Does not contain the ribbon &amp; film label (L000825)</p>
<p>Ribbon &amp; Film Loading label (L000825)</p>	\$4.50	 <p>Placed inside front door cover for 2008 &amp; 2013</p>
<p>Touch Latch- front door cover (F000331)</p>	\$20.60	 <p>(2008)</p>
<p>HDP Badge- front door cover (L001000)</p>	\$3.60	 <p>(2008)</p>

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014

<p>USB/Ethernet Board Assembly (A910551)</p>	<p>\$275.00</p>	 <p>This replaces (A000441)</p>
<p>RFID Board Assembly Used for Ribbon and Film Motors (A000365)</p>	<p>\$7.75</p>	
<p>Main Board -Printer (A910512-01) Will include Ribbon Sensor Kit HDP5000 (2008) Use this part number for Printers with serial number BEFORE B3080651.  For serial numbers AFTER B3080651 use PCA-00013</p>	<p>\$900.00</p>	 <p>(2008)</p>

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014

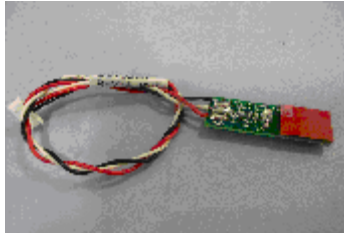

Magnetic Head/Board (089201- Module kit)	\$599.00	
Complete Cable Bundle (D910030)	\$250.00	(2008)
Printhead Power & Control Cable JP2 (EDP-00067)	\$45.00	
Ribbon Take-Up Motor Sensor (D910218)	\$27.10	
Film Supply Motor Sensor (D910218)	\$27.10	
Card Path Sensor, Motor, Fan Cable JP1 (D910200)	\$43.00	(2008)

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014

<p>Fan &amp; Motor Cable</p> <p>JP 5</p> <p>(D910201)</p> <p>this cable is used for all motors</p>	<p>\$26.00</p>	<p>(2008)</p>
<p>Ribbon &amp; Film Sensor Cable</p> <p>JP 7</p> <p>(D910202)</p>	<p>\$21.00</p>	
<p>Color Ribbon Sensor Cable ( lower LED )</p> <p>JP 11</p> <p>(086187 kit part number contains D910556 plus instruction)</p>	<p>\$10.00</p>	
<p>Lam Sensor Cable (printer)</p> <p>JP16</p> <p>(D910205)</p>	<p>\$17.00</p>	

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List Effective Date: June 2014

Magnetic Encoder Cable JP3 (D910207)	\$15.00	
RFID Ribbon/Film Board Cable JP 13 (D910209)	\$6.50	
Lam up/down Sensor (Printer Headlift sensor) (D910216)	\$32.00	
Card Sensor with Cable (D910217)	\$28.00	
Card Roller/ Gear (D910064)	\$52.00	
Card Roller (D910107)	\$42.00	

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List Effective Date: June 2014

Card Roller (D910062) Card Path Output Roller	\$20.00	
Card Roller (D910455)	\$22.00	
Card Roller (D910065)	\$41.60	
Platen Card Roller (D910101) (in Card Path)	\$60.00	
Printer Platen Roller (D910109)	\$58.00	
Drive Train Stepper Motor- Card Path (D910073)	\$87.00	 (2008)

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List Effective Date: June 2014

Printer Platen Roller  (D910109)	\$58.00	
Drive Train Stepper Motor- Card Path (D910073)	\$87.00	 (2008)
Card Feed Motor (D910074)	\$87.00	
Film Supply Motor (D910055) yellow tip	\$75.00	 (2008)
Ribbon Supply Motor (D910057) orange tip	\$60.00	 (2008)

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014


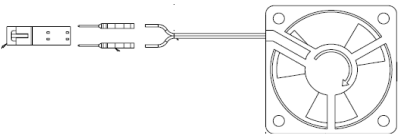



<p>Film Take-Up Motor (D910058) green tip</p>	<p>\$60.00</p>	 <p>(2008)</p>
<p>Ribbon Take-Up Motor (D910056) blue tip</p>	<p>\$75.00</p>	 <p>(2008)</p>
<p>Head Lift Motor Complete Assembly contains the bracket- No sensor.  (D910052)</p>	<p>\$70.00</p>	
<p>Print Stepper Motor (D910050) Complete Assembly contains belts (F000093) and pulley</p>	<p>\$70.00</p>	 <p>(2008)</p>
<p>Print Stepper Motor Belts- 2 used (F000093)</p>	<p>\$5.27</p>	

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List


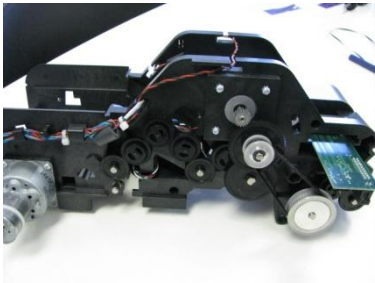

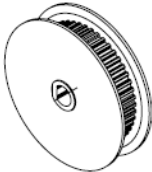
Effective Date: June 2014

Printhead Replacement KIT (086091)	\$699.00	
Fan with Cable (D910212)	\$24.00	
Card Cartridge (D910536-01) <ul style="list-style-type: none"> <li>This new part is backwards compatible</li> </ul>	\$110.00	
Ribbon Cartridge (D910022)	\$95.00	
Film Cartridge (D910023)	\$95.00	 <p>See note on D910704</p>

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List Effective Date: June 2014

Output Bin (D910021-01)	\$86.00	
Cleaning Roller- black inner roller support (D855170)	\$6.50	
Power Supply E001212	\$210.00	Used in both printer and lamination module
Key and Lock set (089213)	\$100.00	
Complete Card Path Assembly (D910006)	\$760.00	 (2008)
Combo-Pulley/spur gears (D910452)	\$36.00	
Card Path Pulley (D910485)	\$52.06	

## HDP5000 High Definition Card Printer/Encoder

### PRINTER

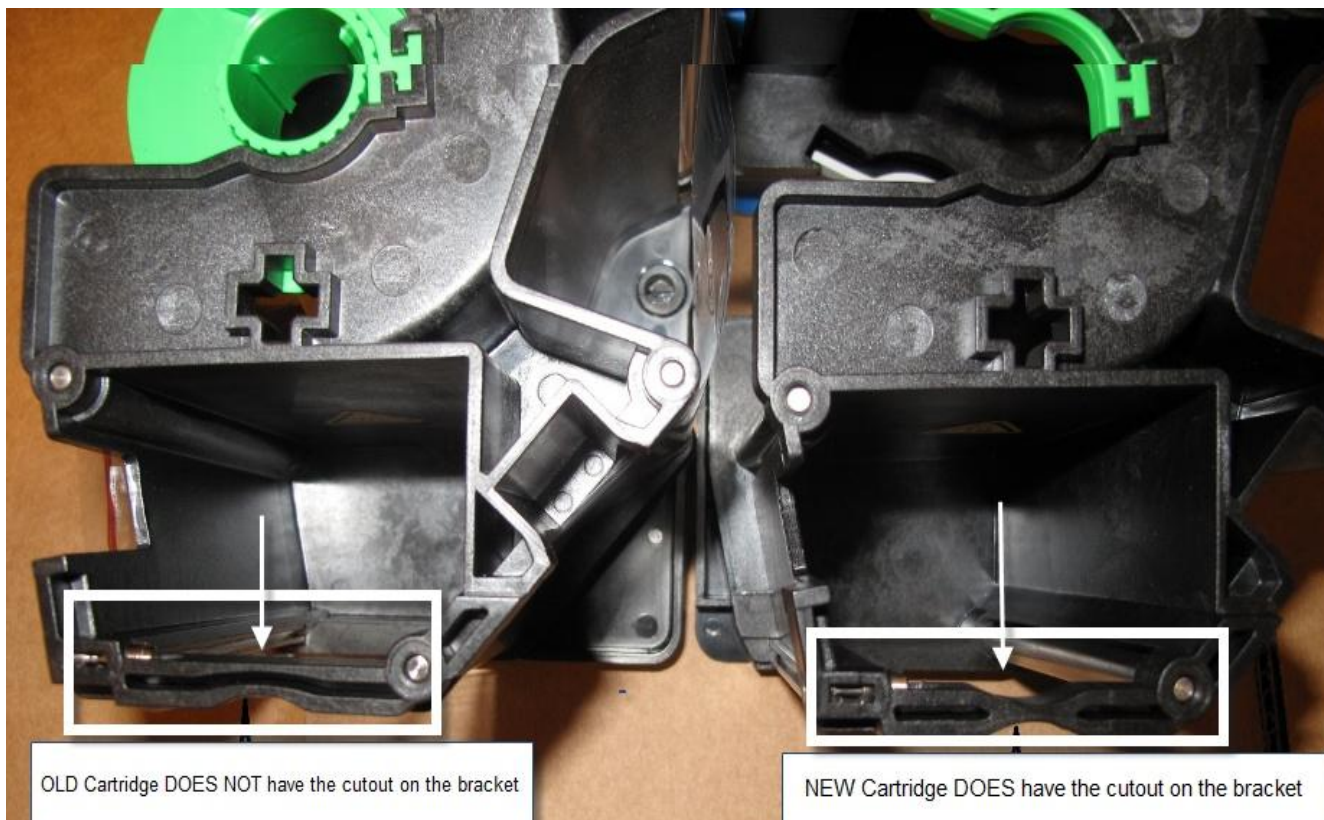
#### Recommended Spare Parts List






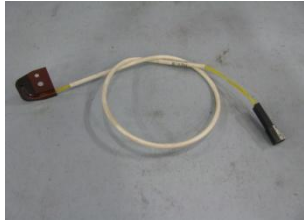
Effective Date: June 2014

Belt (F000492)	\$5.00	
Card Idler Roller (D810040)	\$18.00	
Input Idler Roller (D910121)	\$2.75	
Gear 72x56 tooth (D910112)	\$1.60	
Main Plastic Gear (D910110) 5 used	\$1.80	

**HDP5000 High Definition Card Printer/Encoder****PRINTER****Recommended Spare Parts List****Effective Date: June 2014****TRANSFER ARM ASSEMBLY D910704****IS backwards compatible for both the HDP5000 (2008) & HDP5000 (2013)**

**\*NOTE: When replacing the transfer arm in either the 2008 or 2013 HDP5000 Printer, check the FILM Cartridge. The picture below compares the old and new cartridge. If your film cartridge does NOT have the cutout as shown below then please order a new cartridge kit (089214).**





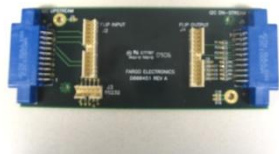
Only the parts below may be ordered separately from the complete assembly		
Complete Assembly (D910704)	\$535.00	
Lift Sensor for Transfer Arm (D910216)	\$32.00	
Motor (D910072)	\$55.00	
Roller (D880146)	\$122.00	 The heater bearing- 2 used- (D860268_\$9.56) may be re-used if not damaged.
Heater Core D910172	\$92.00	
RTD Kapton EDP-00043	\$97.00	

## HDP5000 High Definition Card Printer/Encoder

### FLIPPER MODULE

#### Recommended Spare Parts List

Effective Date: June 2014

MAINBOARD (A000394)	\$155.80	
Connection Board from Flipper to Printer (D000446)	\$29.00	
Communication/Access ory Board (A000451)	\$77.75	
Flipper Sensor Cable (D900249)	\$76.25	
Motor Cable (D900251)	\$3.75	

## HDP5000 High Definition Card Printer/Encoder

### FLIPPER MODULE

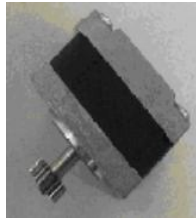

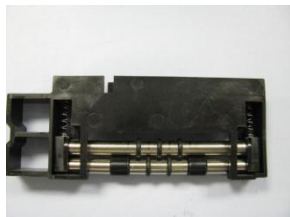
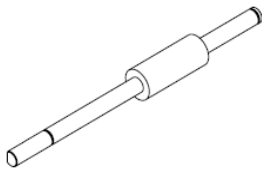
#### Recommended Spare Parts List Effective Date: June 2014

<p>Idler Pulley 2 used (D900241)</p>	<p>\$1.45</p>	
<p>Main Pulley (D850190)</p>	<p>\$1.50</p>	
<p>Pulley (D900287)</p>	<p>\$1.25</p>	
<p>Card Transport drive Gear (810266)</p>	<p>\$.91</p>	
<p>Gear (D860280)</p>	<p>\$3.50</p>	
<p>Belt (220082)</p>	<p>\$9.23</p>	
<p>Stepper Motor-Card Drive (D900523)</p>	<p>\$52.00</p>	

## HDP5000 High Definition Card Printer/Encoder

### FLIPPER MODULE

**Recommended Spare Parts List**  
**Effective Date: June 2014**

Stepper Motor-Flipper Motor (D900524)	\$42.00	
Flipper Table Full Assembly (D900205)	\$113.00	
Output Roller Assembly (D910404)	\$37.50	
Flipper Output Roller (D900123)	\$35.75	

## HDP5000 High Definition Card Printer/Encoder

### LAMINATION MODULE

Recommended Spare Parts List  
Effective Date: June 2014

Set of 3 labels for inside front lam door (L000960)  (2008 & 2013)	\$3.61	
Lam Cartridge- TOP (D920134)	\$39.00	
Lam Cartridge- BOTTOM (D920135)	\$39.00	
Film Sensor- Upper (D920343) 2 used in Dual Laminators	\$7.75	connects J27
Film Sensor- Lower (D920343) 1 used in Single and Dual Laminators	\$7.75	connects J26

## HDP5000 High Definition Card Printer/Encoder

### LAMINATION MODULE

#### Recommended Spare Parts List


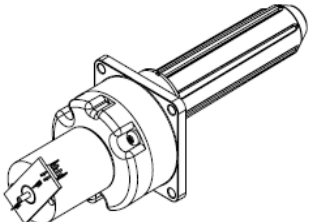

Effective Date: June 2014

Card Input Sensor (A000462)	\$14.60	
RFID Board –Single Lamination Module  Used in TOP REWIND MOTOR (A000365-01)  mounted to printer BODY  Cable connects to J19	\$8.00	
RFID Board –Dual Lamination Module  Used in BOTTOM REWIND MOTOR (A000365-01)  mounted to printer FRONT COVER  Cable connects to J20	\$8.00	
Main Board- Laminator (A920221-16 Single) (A920221-17 Dual)	\$475.00	

## HDP5000 High Definition Card Printer/Encoder

### LAMINATION MODULE

**Recommended Spare Parts List**  
**Effective Date: June 2014**

Stepper Motor (D920030) Uses Belt F000428	\$52.00	
Stepper Motor Belt (F000428)	\$15.00	
Take-Up Motor (D920189) Single Lamination Module uses 1 Motor Dual Lamination Module uses 2 Motors Cable Same for both (D920153)	\$70.00     \$6.30	
Rewind Motor (D900406) Single Lamination Module uses 1 Motor Dual Lamination Module uses 2 Motors Cable (D920153)	\$30.00     \$6.30	

## HDP5000 High Definition Card Printer/Encoder





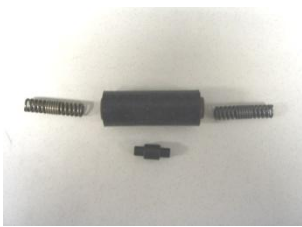
### **LAMINATION MODULE** **Recommended Spare Parts List** **Effective Date: June 2014**

<p>Lamination Head Assembly-Bottom (D920023)</p> <p>1 used in Dual and Single Lamination Module</p> <p>This part is sold as one assembly which includes the Film LED (A000454) Head Lift Sensor (A000126) Thermocouple RTD (A000449) Motor (D900484-05) and the wires.</p>	<p>\$352.00</p>	
<p>Lamination Head Assembly- TOP (D920022)</p> <p>1 used in Dual Lamination Module</p> <p>This part is sold as one assembly which includes the Film LED (A000454) Head Lift Sensor (A000126) Thermocouple RTD (A000449) Motor D910484-05 and the wires.</p>	<p>\$352.00</p>	
<p>Card Transport Drive Gear (810266)</p> <p>2 used</p>	<p>\$.91</p>	

## HDP5000 High Definition Card Printer/Encoder

### LAMINATION MODULE

Recommended Spare Parts List  
Effective Date: June 2014

Main Pulley (D850190) 4 used	\$1.50	
Card Transport Drive Belt (220082) 2 used	\$9.23	
Gear- 72 X 36 TOOTH MOLDED (D860280)	\$3.50	
PULLEY 28G (D841202)	\$4.36	
Pinch Roller (D920013) 5 used total	\$4.40	
Pinch Roller Output (D920018)	\$11.20	

## HDP5000 High Definition Card Printer/Encoder

### LAMINATION MODULE

Recommended Spare Parts List  
Effective Date: June 2014

Roller- Feed (D920119) 1 used	\$14.80	
Roller- Feed-High Cof (D920119-01) 2 used	\$22.60	
Input Roller (D920015)	\$15.60	

## APPENDIX A HDP5000 (2013)

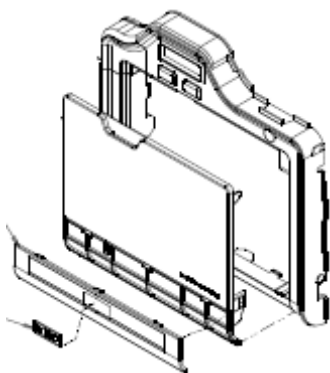
**Note:** Some of these parts are not backwards compatible with HDP5000 Printer part number 0890XX. (Unless specifically called out)

Verify the Printer part number to ensure you order the correct part replacement.

NEW HDP5000 (2013) Printer part numbers 0896xx to 0899xx, with serial number cut-in B3080651.

### COVERS ARE COMPATIBLE FOR BOTH 2008 & 2013 Card Printers

EXCEPT THE FRONT BEZEL COVER USE D910283-01 FOR 2008 PRINTER AND D910702-01 FOR 2013 PRINTER



## HDP5000 (2013) High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014


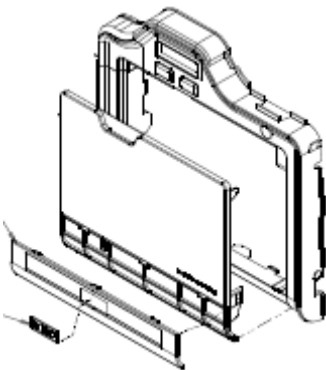
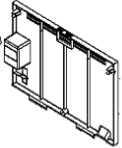


Name (Part Number)	Price	Photo
Front Door- only (D910811-01)  Compatible for 2008 & 2013	\$11.65	<p>does not contain Door Accent (D910816-01) or HID Badge (L001393) or ribbon/film loading label (L000825)</p>
HID Badge L001393	\$6.00	<p>Front Door Cover</p>
Ribbon & Film Loading Label L000825	\$4.50	

## HDP5000 (2013) High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014

<p>Front Door accent (D910816-01)</p> <p>Compatible for 2008 &amp; 2013</p>	<p>\$8.00</p>	 <p>Does not contain HID Badge (L001393)</p>
<p>Front Panel Trim Cover (D910702-01)</p> <p>(contains Front door cover, LCD board, HID Badge, and cable)</p> <p>If you need just the LCD board, you must purchase the complete Front Panel Trim Cover.</p> <p><b>Compatible for 2013 Printer ONLY</b></p>	<p>\$216.50</p>	 <p>Does not contain the ribbon &amp; film label (L000825)</p>
<p>Back Cover (D910821-01)</p> <p>Compatible for 2008 &amp; 2013</p>	<p>\$15.20</p>	
<p>Input Side Cover (D910822-01)</p> <p>Compatible for 2008 &amp; 2013</p>	<p>\$23.50</p>	
<p>Upgrade Cover (D910828-01)</p> <p>Compatible for 2008 &amp; 2013</p>	<p>\$4.25</p>	

## HDP5000 (2013) High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List Effective Date: June 2014

Output Side Cover (D910823-01) Compatible for 2008 & 2013	\$17.00	A small, rectangular, metallic-looking cover with a latch mechanism on one side.
Top Cover (D910706-01) Compatible for 2008 & 2013	\$27.00	A large, L-shaped, metallic-looking cover with a latch mechanism on one side.
Magnetic Cover Insert D910827-01  Compatible for 2008 & 2013	\$13.00	A small, L-shaped, metallic-looking insert with a magnetic strip on one side.
Main Board –Printer (PCA-00013) Serial Number cut in for new main board B3080651	\$900.00	A large, rectangular, green printed circuit board (PCB) with various electronic components, including a microcontroller, capacitors, and connectors. <p>The main board is NOT backwards compatible so checking the Printer serial number cut in (B3080651) is essential in getting the correct replacement.</p>

## HDP5000 (2013) High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List

Effective Date: June 2014

Complete Cable Bundle (D910744)	\$174.00	
Card Path Sensor, Motor, Fan Cable (D910742)	\$21.00	Connects to JP1
Fan & Motor Cable (D910741)	\$26.00	Connects to JP5 this cable is used for all motors
Drive Train Stepper Motor- Card Path (D910729)	\$49.00	
Print Stepper Motor (D910727) Complete Assembly contains 2 belts (F000093) and pulley D840888	\$70.00	
Film Supply Motor (D910723) yellow tip	\$75.00	

## HDP5000 (2013) High Definition Card Printer/Encoder

### PRINTER

#### Recommended Spare Parts List Effective Date: June 2014

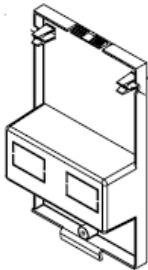
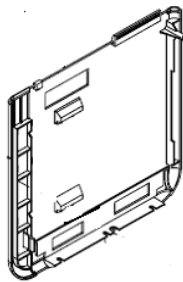
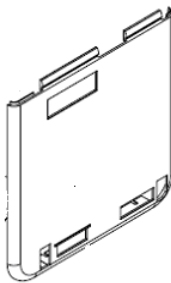
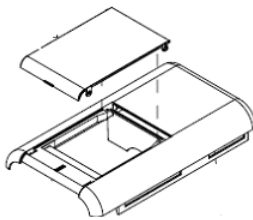
Ribbon Supply Motor (D910725) orange tip	\$60.00	
Film Take-Up Motor (D910726) green tip	\$60.00	
Ribbon Take-Up Motor (D910724) blue tip	\$75.00	
Complete Card Path Assembly (D910721)	\$760.00	
Pinch Roller (D900098)	\$5.50	On Card Path
Pinch Roller Spring (F000338)	\$1.75	On Card Path

## HDP5000 (2013) High Definition Card Printer/Encoder

### FLIPPER MODULE

#### Recommended Spare Parts List

Effective Date: June 2014


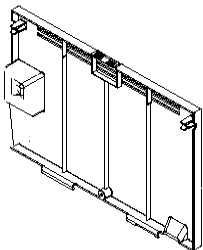
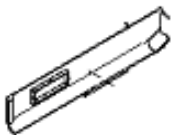
<p>Flipper Back Access Cover ( D910847-01) Compatible for 2008 &amp; 2013</p>	<p>\$20.00</p>	
<p>Output Side Cover (D910823-01) Compatible for 2008 &amp; 2013</p>	<p>\$17.00</p>	
<p>Input Side Cover (D910846-01) Compatible for 2008 &amp; 2013</p>	<p>\$13.10</p>	
<p>Top Cover- Flipper (D910848-01) no lid</p> <p>D910849-01 Top Lid Parts sold separately</p>	<p>\$17.00</p> <p>\$8.00</p>	 <p>Compatible for 2008 &amp; 2013</p>

## HDP5000 (2013) High Definition Card Printer/Encoder

### FLIPPER MODULE

#### Recommended Spare Parts List

Effective Date: June 2014

<p>Front Cover- Flipper (D910845-01)</p> <p>Compatible for 2008 &amp; 2013</p>	<p>\$15.00</p>	
<p>Back Access Assembly- Lam Module (D910821-01)</p> <p>Compatible for 2008 &amp; 2013</p>	<p>\$15.20</p>	
<p>Upgrade Cover (D910828-01)</p> <p>Compatible for 2008 &amp; 2013</p>	<p>\$4.25</p>	

## HDP5000 (2013) High Definition Card Printer/Encoder

### LAMINATION MODULE

#### Recommended Spare Parts List

Effective Date: June 2014

Part Name (Part Number)	Price	Photo
Top Cover (D920337-01) Compatible for 2008 & 2013	\$28.35	
Front Door (D920341-01) Complete	\$32.00	
Front door only D920229-01	\$12.00	
Bottom front door accent only D920230-01	.50	
Steel Ball F000503	.50	
Spring F000504		
HID Badge for front door accent L001393 Compatible for 2008 & 2013	\$6.00	

# HDP5000 (2013) High Definition Card Printer/Encoder

## LAMINATION MODULE

### Recommended Spare Parts List

Effective Date: June 2014


<p>Set of 3 labels for inside front lam door (L000960)</p>	<p>\$3.61</p>	
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## HDP5000 (2013) High Definition Card Printer/Encoder

### DUAL INPUT HOPPER

Recommended Spare Parts List  
Effective Date: June 2014

#### Dual Input Hopper

Headlift Sensor/Cable (D900113)	\$25.48	Located on Hopper Card Path 
Pinch Roller (D900098)	\$6.63	Located on Hopper Card Path
PCB Interface (A910818)	\$32.00	PCB connects Hopper to Printer
Input Ribbon Cable (D910864)	\$20.00	
Dual Input Hopper upgrade kit (089270)	\$899.00	No Lock