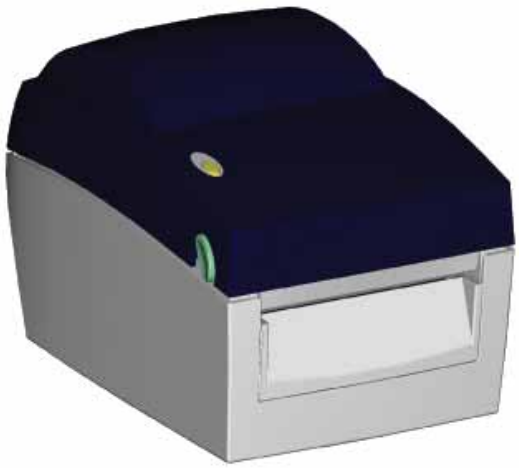
User's Manual



EZ-DT-2 / EZ-DT-4

GODEX

P/N. 920-012511-00
Rev. C, 03.2007

Safety Instructions

Bitte die Sicherheitshinweise sorgfältig lesen und für später aufheben.

1. Die Geräte nicht der Feuchtigkeit aussetzen.

2. Bevor Sie die Geräte ans Stromnetz anschließen, vergewissern Sie Sich, dass die Spannung des Geräts mit der Netzspannung übereinstimmt.

3. Nehmen Sie das Gerät bei Überspannungen (Gewitter) vom Netz. Das Gerät könnte sonst Schaden nehmen.

4. Sollte versehentlich Flüssigkeit in das Gerät gelangen, so ziehen sofort den Netzstecker. Anderenfalls besteht die Gefahr eines lebensgefährlichen elektrischen Schlags.

5. Wartungs- und Reparaturarbeiten dürfen aus Sicherheitsgründen nur von autorisierten Personen durchgeführt werden.

6. Bei Wartungs- und Reparaturarbeiten müssen die Sicherheitsvorschriften der zuständigen Berufsverbände und Behörden unbedingt eingehalten werden.

7. Bei Verletzungen unbedingt den Arzt aufsuchen und die gegebenenfalls die zuständigen Stellen benachrichtigen. Unterlassung kann zum Verlust der Versicherungsleistungen führen.

Safety Instructions

Please read the following instructions seriously.

1. Keep the equipment away from humidity.

2. Before you connect the equipment to the power outlet, please check the voltage of the power source.

3. Disconnect the equipment from the voltage of the power source to prevent possible transient over voltage damage.

4. Don’t pour any liquid to the equipment to avoid electrical shock.

5. ONLY qualified service personnel for safety reason should open equipment.

6. Don’t repair or adjust energized equipment alone under any circumstances. Someone capable of providing first aid must always be present for your safety

7. Always obtain first aid or medical attention immediately after an injury. Never neglect an injury, no matter how slight it seems.

CAUTION
Danger of explosion if battery is incorrectly replaced
Replace only with the equivalent type recommended by the manufacture.
Dispose of used batteries according to the manufacturer’s instructions.

CE

VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.

Technical Standard : EMC DIRECTIVE 89/336/EEC
(EN55022 / EN55024)

(Operation Environment: Industrial Environment)

General Information

Applicant : GODEX INTERNATIONAL CO., LTD.
4F, No. 168, Lian-Cheng Road, Chung-Ho City,
Taipei Hsien, Taiwan

Product Description

EUT Description: Thermal Transfer Printer
Trade Name: GODEX
Model Number: EZ-DT-2

Measurement Standard

EN 55022: 1998 + A1: 2000 + A2: 2003 (CLASS A)
EN 61000-3-2: 2000
EN 61000-3-3: 1995 + A1: 2001
EN 55024: 1998 + A1: 2001+ A2: 2003:
(IEC 61000-4-2: 1995 + A1: 1998 + A2: 2000; IEC 61000-4-3: 2002 + A1: 2002; IEC 61000-4-4: 2004; IEC 61000-4-5: 1995 + A1: 2000; IEC 61000-4-6: 1996 + A1: 2000; IEC 61000-4-8: 1993 + A1: 2000; IEC 61000-4-11: 1994 + A1: 2000)

Measurement Facilities

Laboratory Name: ***Compliance Certification Services Inc.***
No. 163-1, Chung Sheng Road, Hsin Tien City, Taipei, Taiwan, R. O. C.
Tel: +886-2-22170894 / Fax: +886-2-22171029

This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & Specifications listed above and as indicated in the measurement report number : 61204003-E

Vince Chiang / Assistant Manager
Date: December 19, 2006

CE

SPORTON LAB.

Certificate No: EC6O0204

CERTIFICATE

EQUIPMENT : THERMAL LABEL PRINTER
MODEL NO. : EZ-DT-4, PF8d
APPLICANT : GODEX INTERNATIONAL CO., LTD.
4F, No. 168, Lian-Cheng Road,
Chung-Ho City, Taipei Hsien, Taiwan

SPORTON LAB.

I HEREBY **CERTIFY THAT:**

THE MEASUREMENTS SHOWN IN THIS TEST REPORT WERE MADE IN ACCORDANCE WITH THE PROCEDURES GIVEN IN **EUROPEAN COUNCIL DIRECTIVE 89/336/EEC.** THE EQUIPMENT WAS **PASSED** THE TEST PERFORMED ACCORDING TO

European Standard EN 55022:1998/A1:2000/A2:2003 Class A, EN 61000-3-2:2000/A1:2001, EN 61000-3-3:1995/A1:2001 and EN 55024:1998/A1:2001/A2:2003 (IEC 61000-4-2:1995/A2:2000, IEC 61000-4-3:1996, IEC 61000-4-4:1995/A2:2001, IEC 61000-4-5:1995/A1:2000, EC 61000-4-6:1996/A1:2000, IEC 61000-4-8:1993/A1:2000, IEC 61000-4-11:1994/A1:2000).

THE TEST WAS CARRIED OUT ON **Nov. 27, 2006** AT **SPORTON INTERNATIONAL INC.** LAB.

Dec. 05, 2006

Alex Chen
Manager

SPORTON INTERNATIONAL INC. 6F, No.106, Sec.1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien , Taiwan, R.O.C.

VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.

Technical Standard : FCC Part 15 Class A (Verification)
IC ICES-003

(Operation Environment: Industrial Environment)

General Information

Applicant : GODEX INTERNATIONAL CO., LTD.
4F, No. 168, Lian-Cheng Road, Chung-Ho City,
Taipei Hsien, Taiwan

Product Description

EUT Description: Thermal Transfer Printer
Trade Name: GODEX
Model Number: EZ-DT-2

Measurement Facilities

Laboratory Name: ***Compliance Certification Services Inc.***
No. 163-1, Chung Sheng Road, Hsin Tien City, Taipei, Taiwan, R.O.C.
Tel: +886-2-22170894 / Fax: +886-2-22171029

This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & Specifications listed above and as indicated in the measurement report number : 61204003-F

Vince Chiang / Assistant Manager
Date: December 19, 2006

Certificate No. : FV6O0204

CERTIFICATE OF COMPLIANCE

for

47 CFR FCC Rules and Regulations Part 15 Subpart B,

Class A Digital Device

Equipment	:	THERMAL LABEL PRINTER
Model No.	:	EZ-DT-4, PF8d
FCC ID	:	N/A
Applicant	:	**GODEX INTERNATIONAL CO., LTD.** 4F, No. 168, Lian-Cheng Road, Chung-Ho City, Taipei Hsien, Taiwan

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 - 2003** and the energy emitted by this equipment was ***passed*** FCC **Part 15 Subpart B** in both radiated and conducted emission **Class A** limits.

Testing was carried out on **Nov. 27, 2006** at **SPORTON International Inc.** LAB.

Dec. 4, 2006

Alex Chen
Manager

SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

經 濟 部 標 準 檢 驗 局

THE BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

商 品 驗 證 登 錄 證 書

CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼：CI3A6061230046 號 00
Certificate No.

茲據 科誠股份有限公司 申請驗證登錄，經審查結果符合規定，准予登錄並使用檢驗標識 及識別號碼： R3A123 。其登錄事項如下：

申 請 人：科誠股份有限公司 統一編號：84152965
Applicant Uniform No.

地 址：台北縣中和市連城路168號4樓
Address

生產廠場：寧波名鐘機電工業有限公司
Factory

廠 址：寧波市北侖區經五中路１９號
Factory Address

產品種類名稱：
Type / name of product

商品分類號列：8471.60.20.90.8
C.C.C. Code

中文名稱：條碼標籤印製機
Chinese name

英文名稱：Thermal Transfer Printer
English name

型 式：EZ-DT-2
Type

系列型式：空白
Series of the type

依據標準：CNS13438(86年版)；CNS14336(93年版)
Standards

標準檢驗局或所屬分局發證
（本證經發證機關使用鋼印後生效）
This certificate shall be issued by BSMI or its branches.
(This certificate will become effective only when stamped with this BSMI seal.)

登錄日期：中華民國 Registration Date	九十六 2007	年 (year)	二 02	月 (month)	九 09	日 (day)
本證明書有效期限至 Expiration Date	九十九 2010	年 (year)	二 02	月 (month)	八 08	日 (day)
發證日期：中華民國 Date of issue	九十六 2007	年 (year)	二 02	月 (month)	九 09	日 (day)

（註：持本證書進口時，進口人須與本證書申請人相同）

經 濟 部 標 準 檢 驗 局

THE BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

商 品 驗 證 登 錄 證 書

CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼：CI3A5061230039 號 00
Certificate No.

茲據 科誠股份有限公司 申請驗證登錄，經審查結果符合規定，准予登錄
並使用檢驗標識 及識別號碼： R3A123 。其登錄事項如下：

申 請 人：科誠股份有限公司 統一編號：84152965
Applicant Uniform No.

地 址：台北縣中和市連城路168號4樓
Address

生產廠場： 詳如附表
Factory

廠 址： 詳如附表
Factory Address

產品種類名稱：
Type / name of product

商品分類號列：8471.60.20.90.8
C.C.C. Code

中文名稱：條碼標籤印製機
Chinese name

英文名稱：THERMAL LABEL PRINTER
English name

型 式：EZ-DT-4
Type

系列型式：PF8d(以下空白)
Series of the type

依據標準：CNS13438 ; CNS14336
Standards

標準檢驗局或所屬分局發證
(本證經發證機關使用鋼印後生效)
This certificate shall be issued by BSMI or its branches.
(This certificate will become effective only when stamped with this BSMI seal.)

登錄日期：中華民國	九十六	年	一	月	二	日
Registration Date	2007	(year)	01	(month)	02	(day)
本證明書有效期限至	九十九	年	一	月	一	日
Expiration Date	2010	(year)	01	(month)	01	(day)
發證日期：中華民國	九十六	年	一	月	二	日
Date of issue	2007	(year)	01	(month)	02	(day)

(註：持本證書進口時，進口人須與本證書申請人相同)

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第 1 頁

Zertifikat *Certificate*

TÜV

Zertifikat Nr. *Certificate No.*
S 50098967

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0001

Ihr Zeichen *Client Reference*	Unser Zeichen *Our Reference*	Längstens gültig bis *Latest expiration date (day/mo/yr)*
R600204/Sporton	ZTW1-SSY- 10018671 001	04.01.2012

Genehmigungsinhaber *License Holder*
Godex International Co. Ltd.
4F, No. 168, Lian-Cheng Road
Chung-Ho City, Taipei Hsien 235
Taiwan

Fertigungsstätte *Manufacturing Plant*
Godex International Co. Ltd.
4F, No. 168, Lian-Cheng Road
Chung-Ho City, Taipei Hsien 235
Taiwan

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 60950-1:2001+A11

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*	Lizenzentgelte - Einheit *License Fee - Unit*
Drucker (THERMAL LABEL PRINTER)	
Bezeichnung (Type Designation) : EZ-DT-4 (GODEX)	6
Nennspannung (Rated Voltage) : DC 24V	
Nennstrom (Rated Current) : 2.5A	
Schutzklasse (Protection Class) : III	
	6

TÜV Rheinland Product Safety GmbH TÜV Rheinland Zertifizierungsstelle

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Dipl.-Ing. A. Klinker

Ausstellungsdatum *Date of Issue* : 05.01.2007 (day/mo/yr)

IEC IECEE CB SCHEME

Ref. Certif. No.
JPTUV-017671

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product Produit	THERMAL LABEL PRINTER
Name and address of the applicant Nom et adresse du demandeur	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Name and address of the manufacturer Nom et adresse du fabricant	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Name and address of the factory Nom et adresse de l'usine	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Rating and principal characteristics Valeurs nominales et caractéristiques principales	DC 24V; 2.5A; Class III
Trade mark (if any) Marque de fabrique (si elle existe)	GODEX
Model/type Ref. Ref. de type	EZ-DT-4
Additional information (if necessary) Information complémentaire (si nécessaire)	
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60950-1:2001 National differences see test report
As shown in the Test Report Ref. No.which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue une partie de ce Certificat	11009141 001

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

TÜV **TÜV Rheinland Group**

TÜV Rheinland Japan Ltd.
Shin Yokohama Daini Center Bldg.
3-19-5, Shin Yokohama, Kohoku-ku
Yokohama 222-0033 Japan
Phone + 81 45 470-1856
Fax + 81 45 473-5221
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 04.01.2007

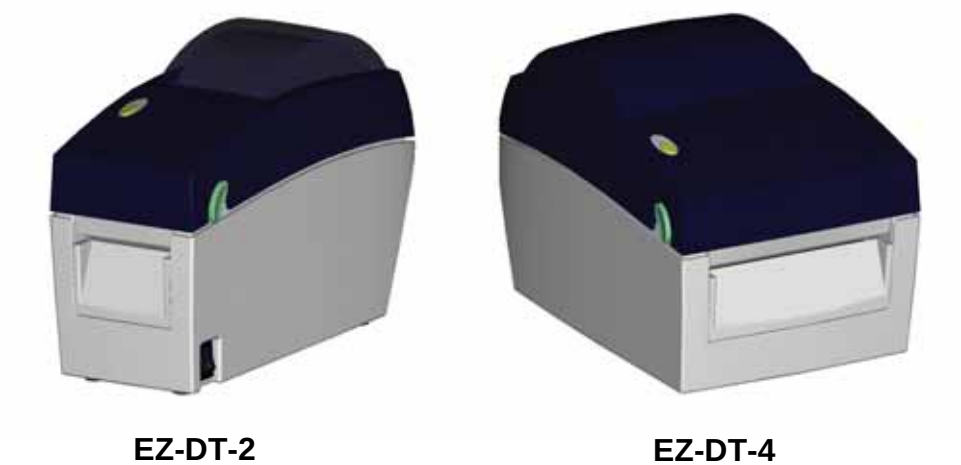
Signature: Dipl.-Ing. W. Hsu

1. Barcode Printer

1-1. Printer Accessories

After unpacking, please check the accessories that come with the package, and store appropriately.

- Barcode printer
- Power cord
- Switching Power
- USB Cable
- Label
- Quick Start Guide
- CD (includes label editing software QLabel / Manual)



EZ-DT-2 **EZ-DT-4**

1-2. General Specifications

Model	EZ-DT-2	EZ-DT-4
Resolution	203 dpi (8 dot/mm)	
Print Mode	Direct Thermal	
CPU	32 Bit	
Memory	4MB Flash, 8MB SDRAM	
Print Speed	2 IPS ~ 4 IPS	
Print Length	Max.1727mm (68”) Min.12.7mm(0.5”)	
Print Width	Max.54 mm (2.12”)	Max.108mm (4.25”)
Sensor Type	Adjustable Reflective sensor; Fixed transmissive, center aligned	
Sensor Detection	Type: Label gap and black mark sensing. Detection: Label length auto sensing and / or program command setting	
Media	Label Roll OD: Max. 127mm (5”) Core Diameter: 1”, 1.5” Width: 15mm (0.6 “) ~ 60mm (2.36”) Thickness: 0.06~0.20mm	Label Roll OD: Max. 127mm (5”) Core Diameter: 1”, 1.5” Width: 25mm (1 “) ~ 118mm (4.65”) Thickness: 0.06~0.20mm
Printer Language	EZPL (Firmware downloadable)	
Software	Application: QLabel-IV(EZPL only) DLL & Driver: Microsoft Windows NT 4.0, 2000 and XP	
Resident Fonts	9 resident Windows bit mapped fonts (6, 8,10,12,14,18,24,30 and 16X26), can be rotated in 8 orientations and expandable 8 times horizontally and vertically. Scalable Font (Code Page 850 & 852) in 4 orientations.	
Fonts Download	Windows bit mapped font: can be rotated in 8 orientations and expandable 8 times horizontally and vertically. Asian font: can be rotated in 4 orientations and expandable 8 times horizontally and vertically. True Type Font: can be rotated in 4 orientations.	

Image Handling	BMP, PCX, Support ICO, WMF, JPG, EMF file through software.	
Barcodes	Code 39, Code 93, Code 128 (subset A, B, C), UCC/EAN-128 K-Mart, UCC/EAN-128, UPC A / E (add on 2 & 5), I 2 of 5, I 2 of 5 with Shipping Bearer Bars, EAN 8 / 13 (add on 2 & 5), Codabar, Post NET, EAN 128, DUN 14, MaxiCode, HIBC, Plessey, Random Weight, Telepen, FIM, China Postal Code, RPS 128, PDF417, Datamatrix code & QR code	
Interfaces	Serial port: RS-232 (Baud rate : 4800 ~ 115200 , XON/XOFF , DSR/CTS) USB port: V2.0	
Control Panel	One Tri-color LED: Power Function Key: FEED	
Power	Auto Switching 100/240VAC, 50/60 Hz	
Environment	Operation: 41°F to 104°F (5°C to 40°C) Storage: -4°F to 122°F (-20°C to 50°C)	
Cert. Approval	CE, FCC Class A, CCC, CB, cUL, BSMI	
Humidity	Operation: 30-85%, non-condensing. Free air. Storage: 10-90%, non-condensing. Free air.	
Printer Dimension	Length: 218 mm (8.58”) Height: 172 mm (6.77”) Width: 100 mm (3.94”) Weight: 1.2 Kg	Length: 218 mm (8.58”) Height: 166 mm (6.53”) Width: 168 mm (6.61”) Weight: 1.5 Kg
Options	Rotary Cutter Module Stripper Module RTC Internal Ethernet Adapter Card	Rotary Cutter Module Stripper Module Internal Ethernet Adapter Card Parallel port

Specifications are subject to change without notice.

1-3. Communication Interface

Serial Interface

Serial Default Setting : 9600 baud rate、no parity、8 data bits、1 stop bit、XON/XOFF protocol and RTS/CTS。

RS232 HOUSING (9-pin to 9-pin)

DB9 SOCKET		DB9 PLUG
---	1 ——— 1	+5V,max 500mA
RXD	2 ——— 2	TXD
TXD	3 ——— 3	RXD
DTR	4 ——— 4	N/C
GND	5 ——— 5	GND
DSR	6 ——— 6	RTS
RTS	7 ——— 7	CTS
CTS	8 ——— 8	RTS
RI	9 ——— 9	N/C
PC		PRINTER

【Note】The total current output from serial port can not exceed 500mA.

USB Interface

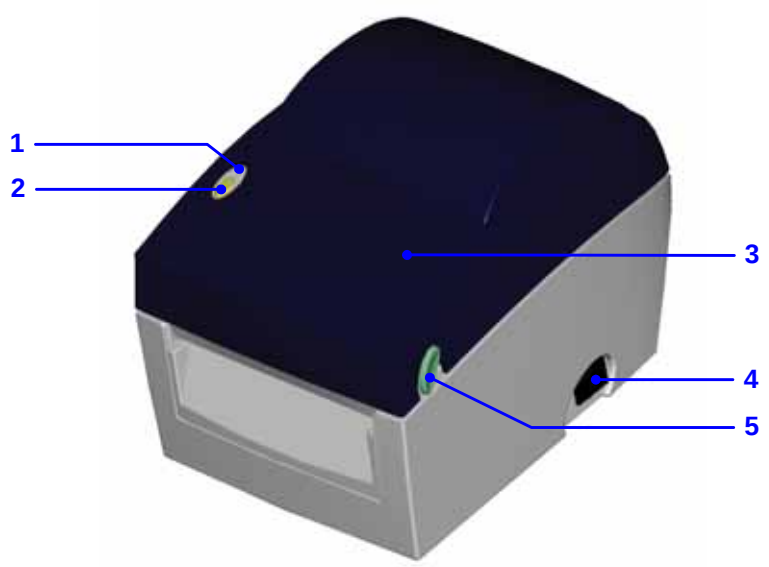
Connector Type : Type B

PIN NO.	1	2	3	4
FUNCTION	VBUS	D-	D+	GND

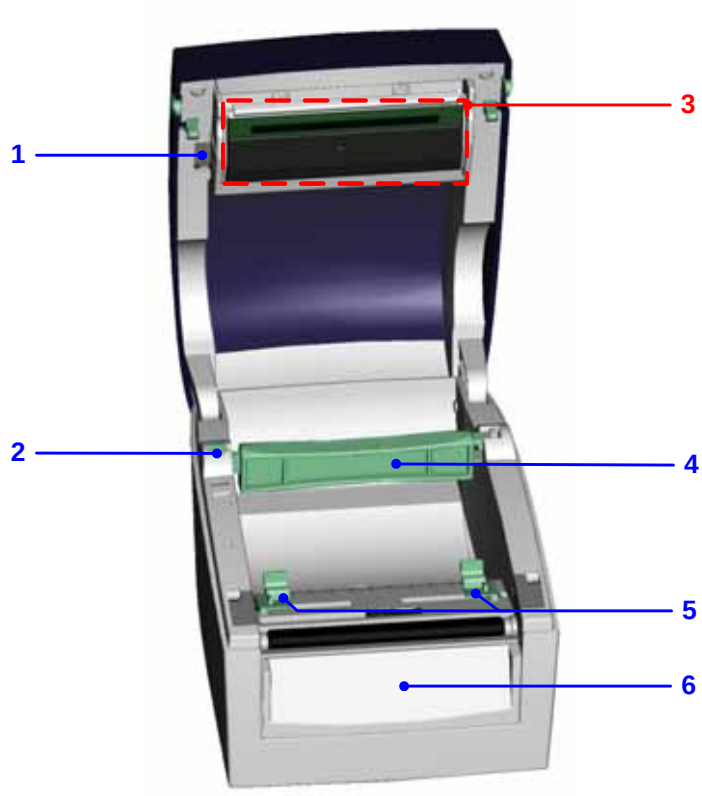
Internal Interface

UART1 wafer		Ethernet module
N.C	1 ——— 1	N.C
TXD	2 ——— 2	RXD
RXD	3 ——— 3	TXD
CTS	4 ——— 4	RTS
GND	5 ——— 5	GND
RTS	6 ——— 6	CTS
E_MD	7 ——— 7	E_MD
RTS	8 ——— 8	CTS
E_RST	9 ——— 9	E_RST
+5V	10 ——— 10	+5V
GND	11 ——— 11	GND
+5V	12 ——— 12	+5V

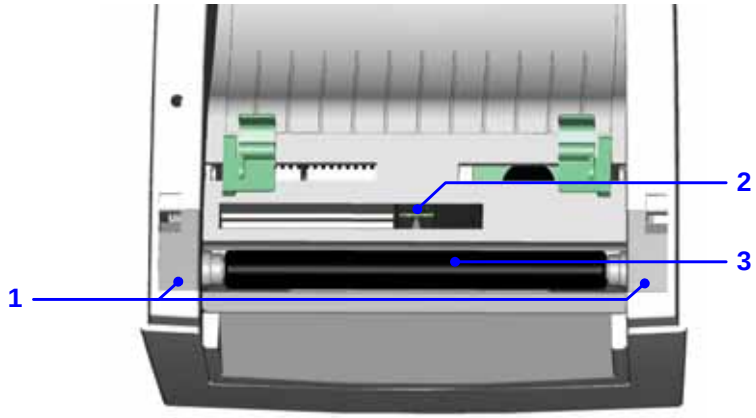
1-4. Printer Parts



1.	LED Light
2.	FEED Key
3.	Top Cover
4.	Power Switch
5.	Cover Open Button

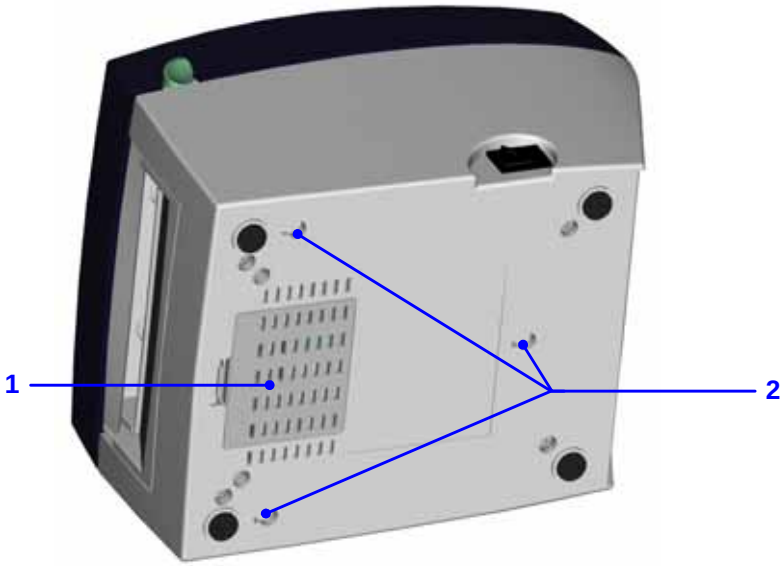


1.	Print Head Lift
2.	Label Roll Holder
3.	Print Mechanism
4.	Label Roll Core
5.	Label Guide
6.	Front Cover Piece



1.	Platen Cover
2.	Label Sensor
3.	Platen Roller

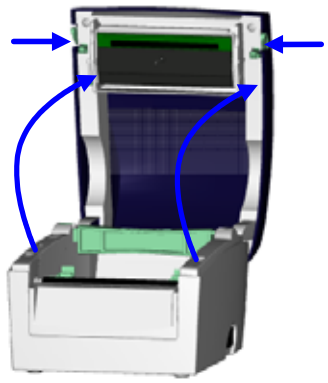
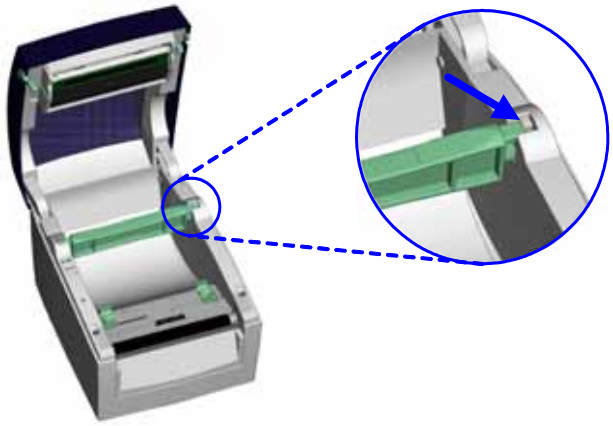
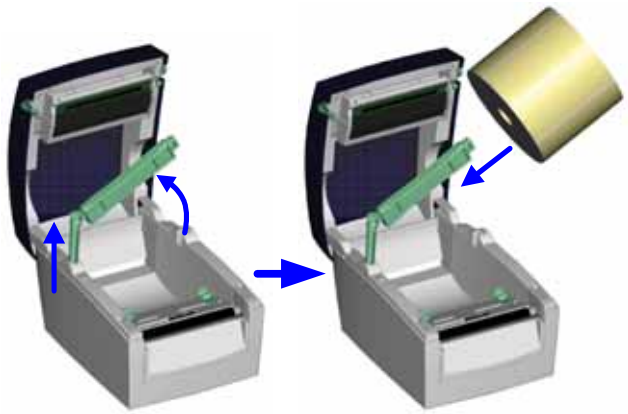
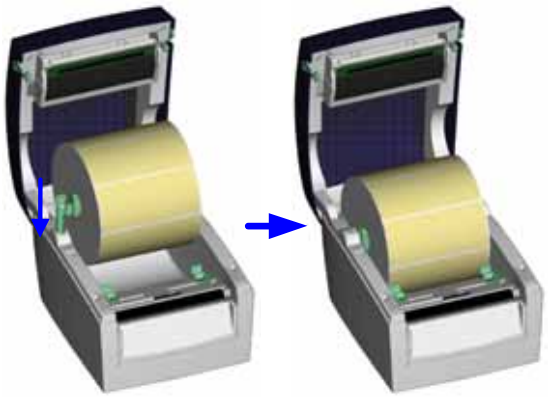
1.	Power Socket
2.	USB Port
3.	Fan-Fold Label Insert
4.	Serial Port (RS-232)

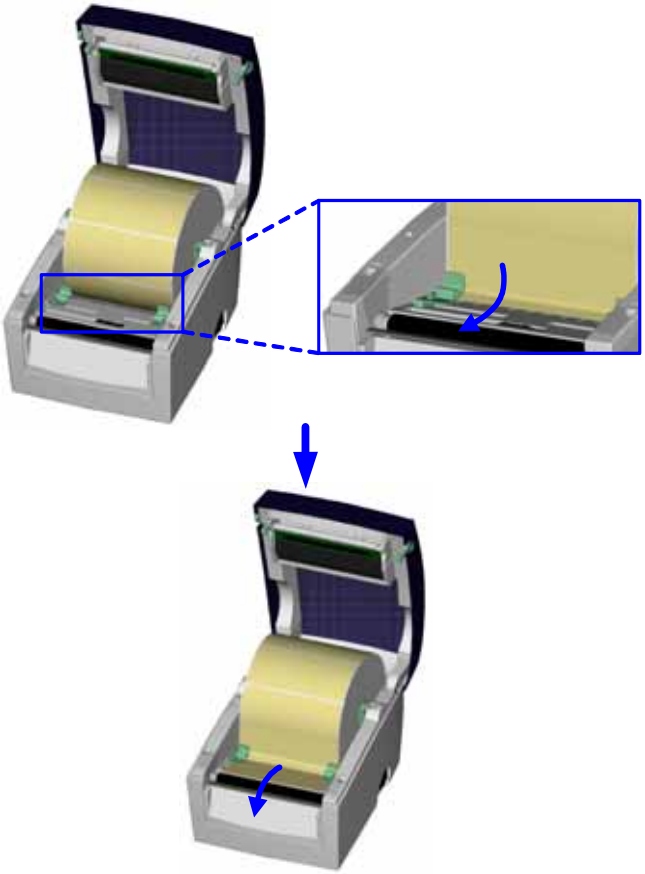
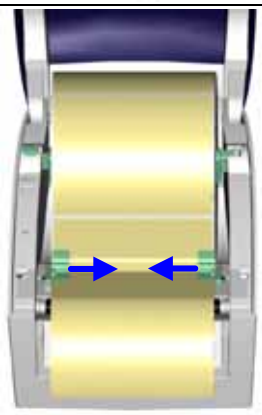
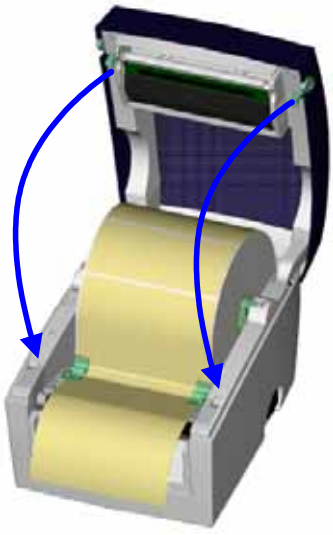


1.	Bottom Case Cover
2.	Hang Holes

2. Printer Installation

2-1. Label Installation

1. Place the printer on a horizontal surface and open the Top Cover.	
2. Press and release the lock of Label Roll Core.	
3. Pull up the Label Roll Holder and lift the Label Roll Core upward. 4. Place a new label roll onto the Label Roll Core.	
5. Flip the Label Roll Core downward and pull back the Label Roll Holder. 6. Pull and lock the Label Roll Core to the original position.	

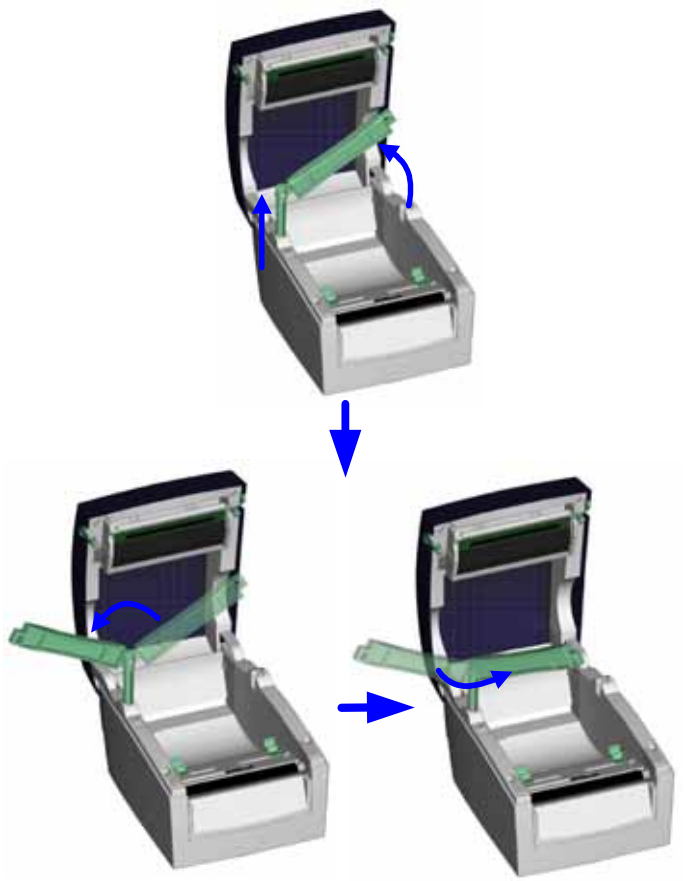
7. Put the label under the Label Guide and stretch it frontward.	
8. Pull the Label Guide inward and make it fit the edge of label.	
9. Close the Top Cover to complete the label installation.	

2-2. Label Roll Core Switch

1. Pull the Label Roll Holder to the topmost and lift the Label Roll Core upward.

2. Turn the Label Roll Core outward as the figure shows.

3. Whirl the Label Roll Core back to the original position.

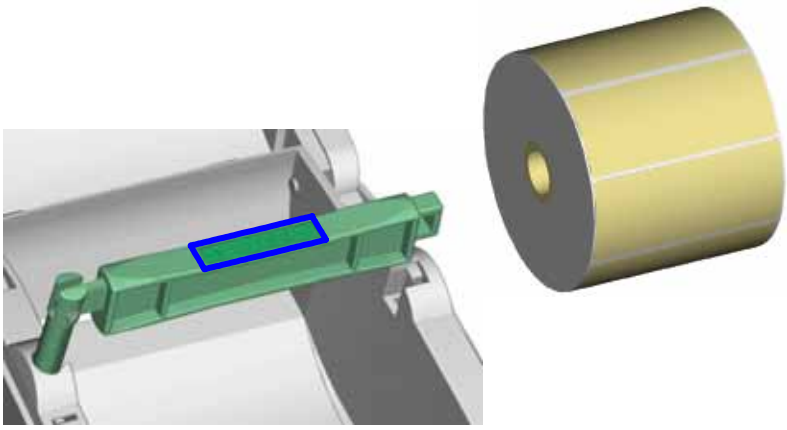


A. When the lock hole of Label Roll Core is on upper side, it applies to 1” core.

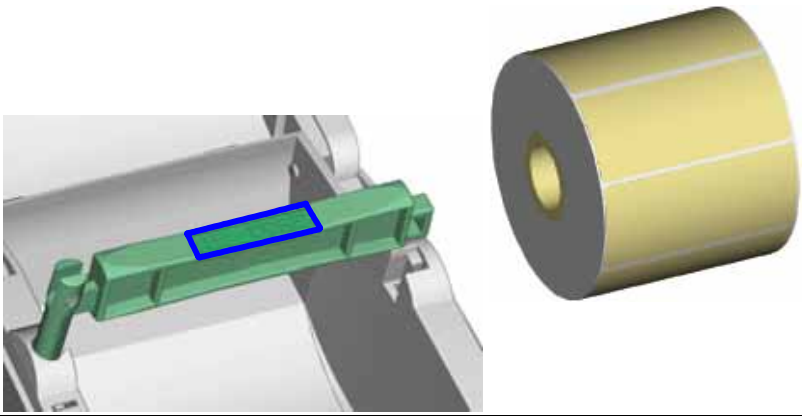
B. When the lock hole of Label Roll Core is on lower side, it applies to 1.5” core.

【Note】
You can also distinguish it by the index on the Label Roll Core as shown in figure.

1” Core

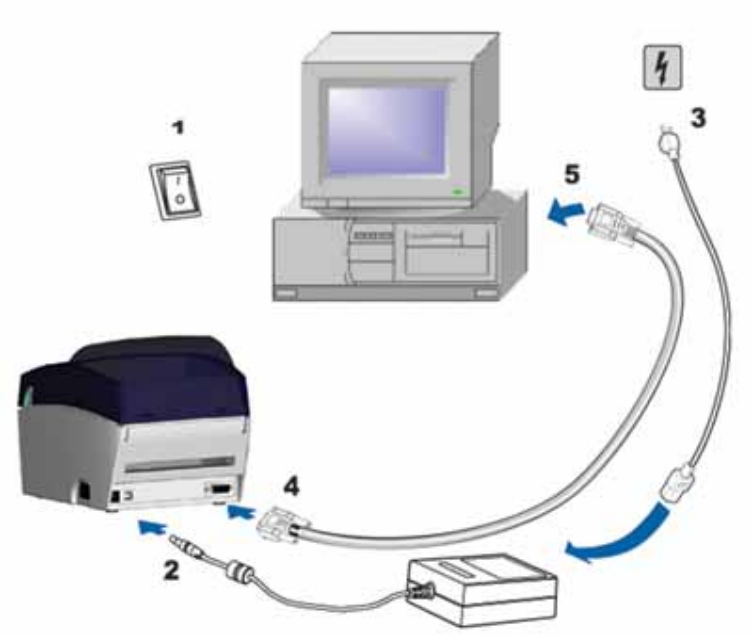


1.5” Core



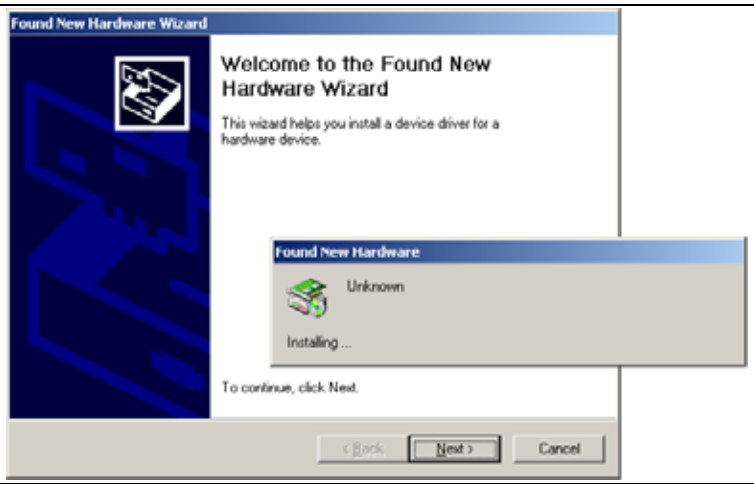
2-3. PC Connection

1. Please make sure the printer is powered off.
2. Take the power cable, plug the cable switch to the power socket, and then connect the other end of the cable to the printer power socket.
3. Connect the cable to the USB/ Serial port on the printer and on the PC.
4. Power on the printer and the LED light will shine.



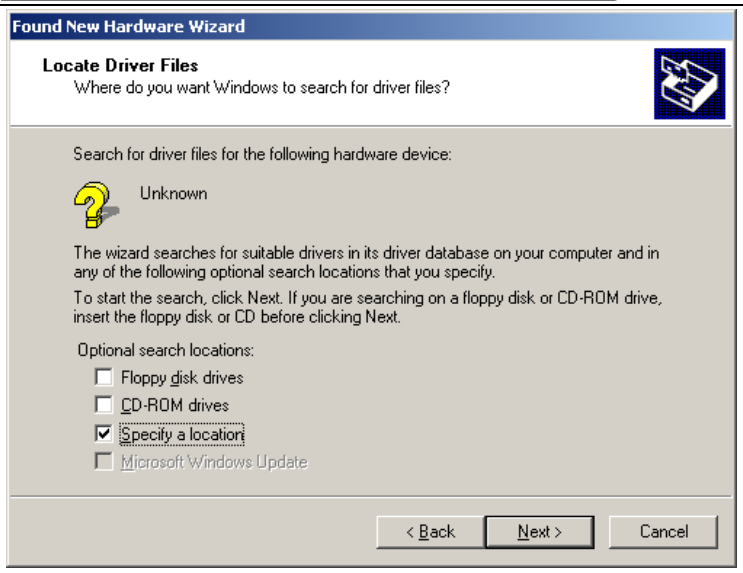
2-4. Driver Installation

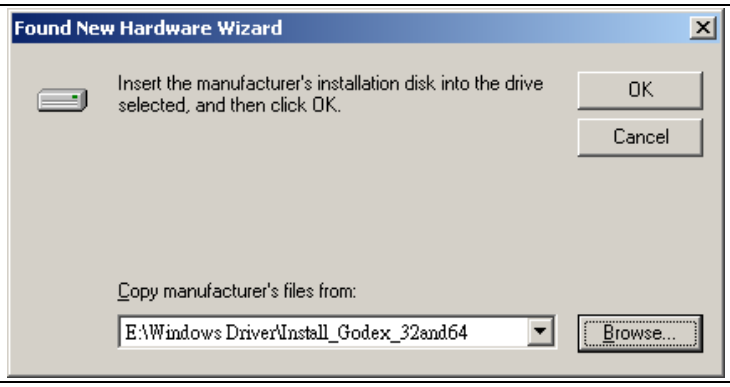
1. Once the printer cable is connected from PC to the printer, PC will automatically detect the new device and start the installation process.



2. Insert the product CD, select 'Specify a location' and describe the path of the printer driver.

3. Follow the instruction on the Window and complete the driver installation.



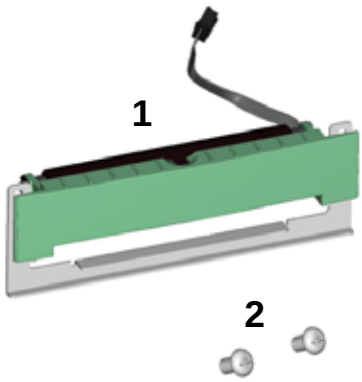


3. Accessory

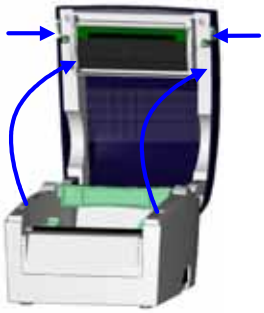
3-1. Stripper

1	Stripper Module
2	Screw x 2pcs

【Note1】 Please power off the printer before installing the stripper module.
【Note2】Label liner thickness is recommended to be 0.06mm ± 10% with basic weight 65g/㎡ ± 6%.
【Note3】The max width for stripper is 110mm
【Suggestion】When using the stripper module, set the stop position to 9 in QLabel and the E value is 9.

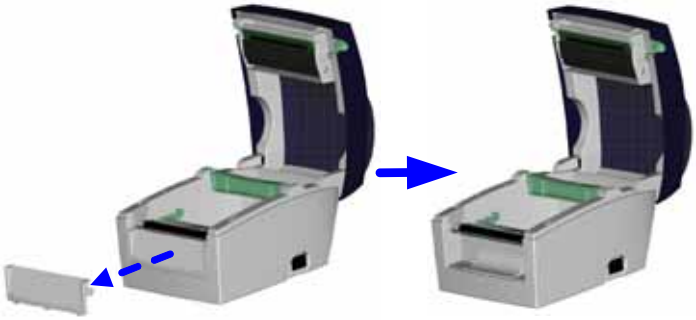


1. Place the printer on a horizontal surface and open the Top Cover.



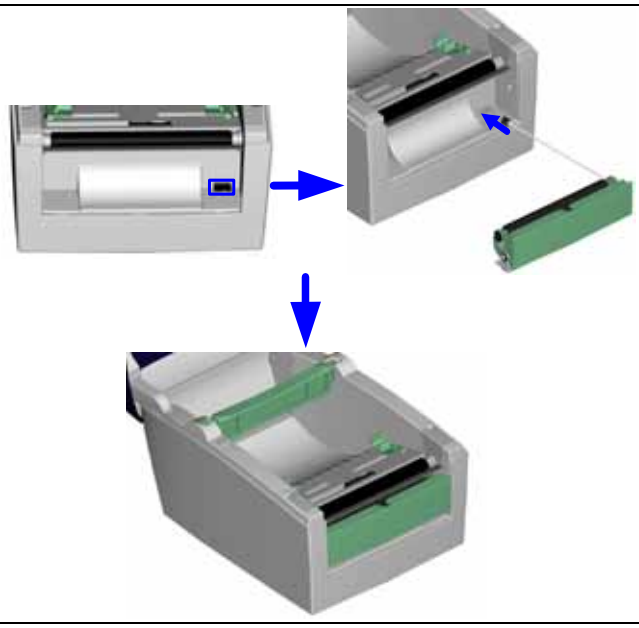
2. Remove the Front Cover Piece.

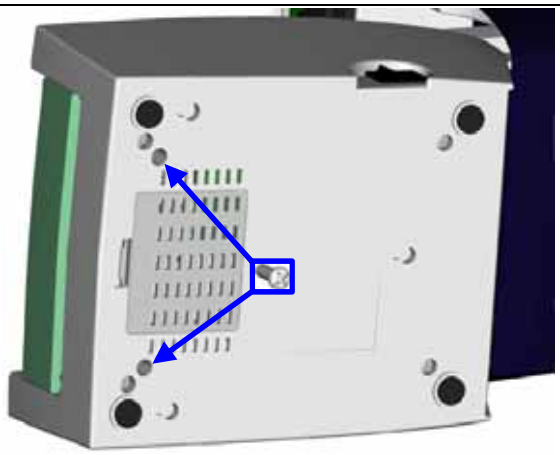
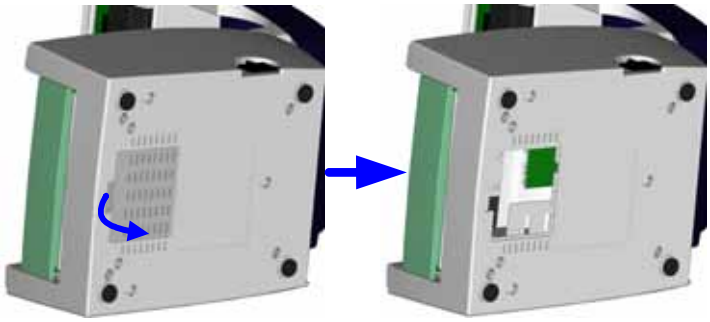
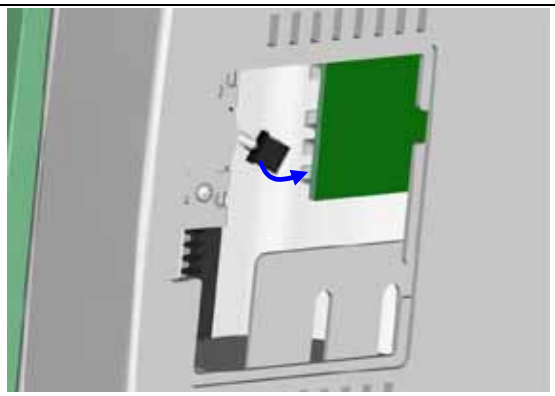
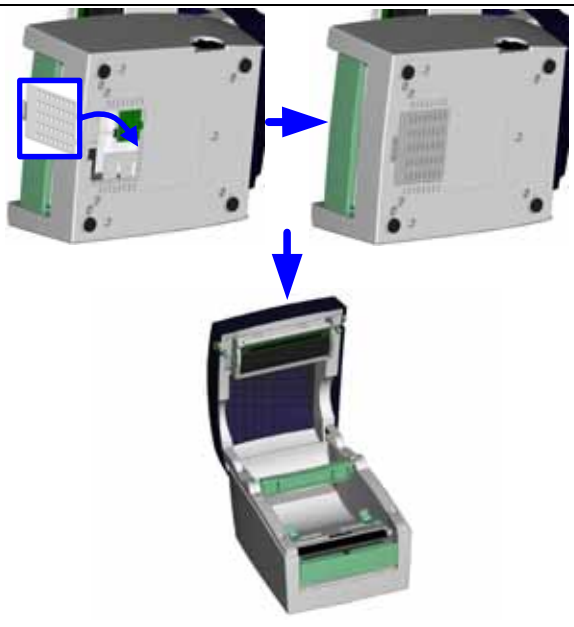
【Note】
You can also use coin or screwdriver to open the Front Cover Piece.

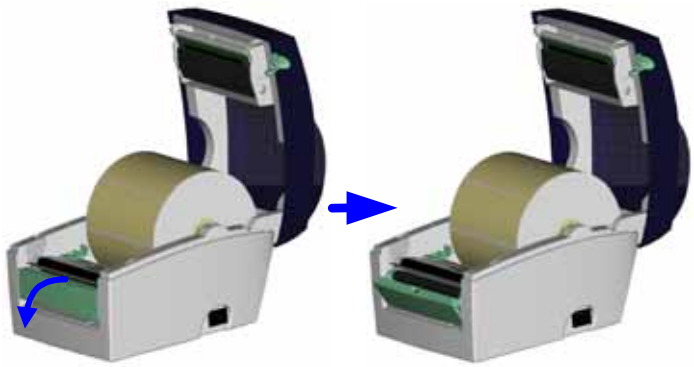
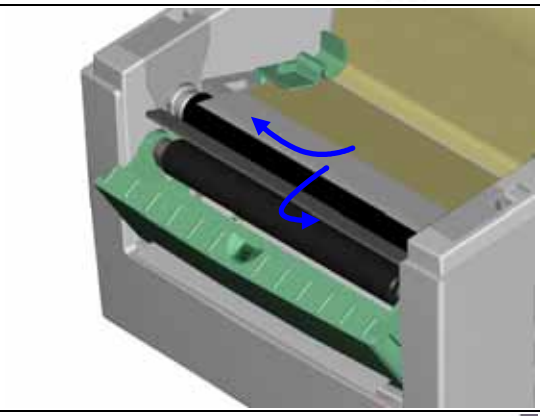
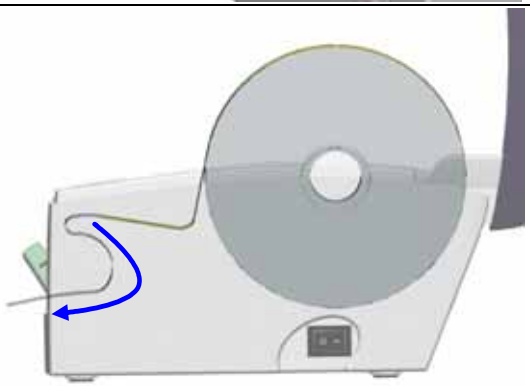
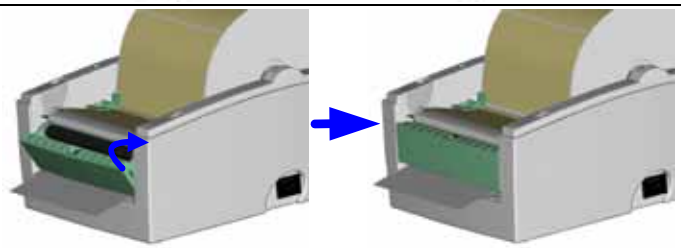
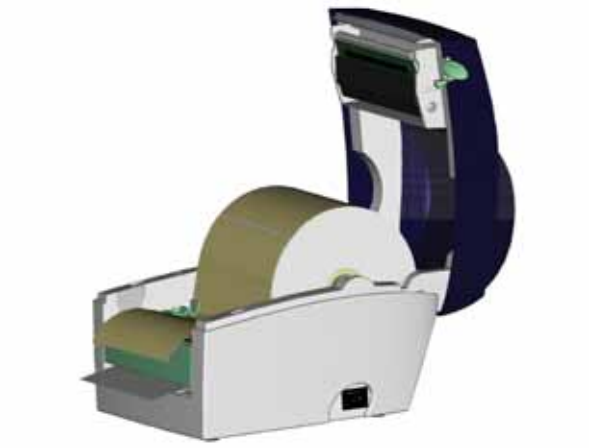


3. Push the Stripper connector into printer through the cable hole as shown in figure.

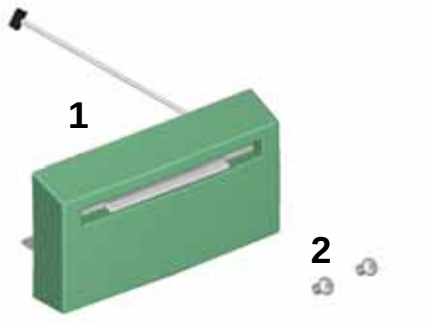
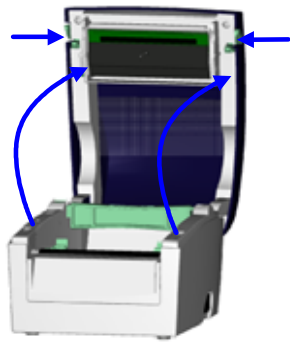
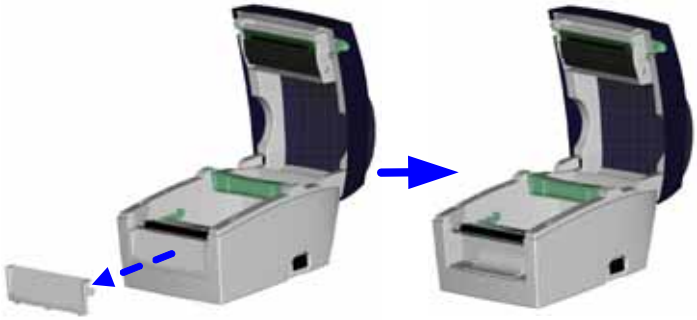
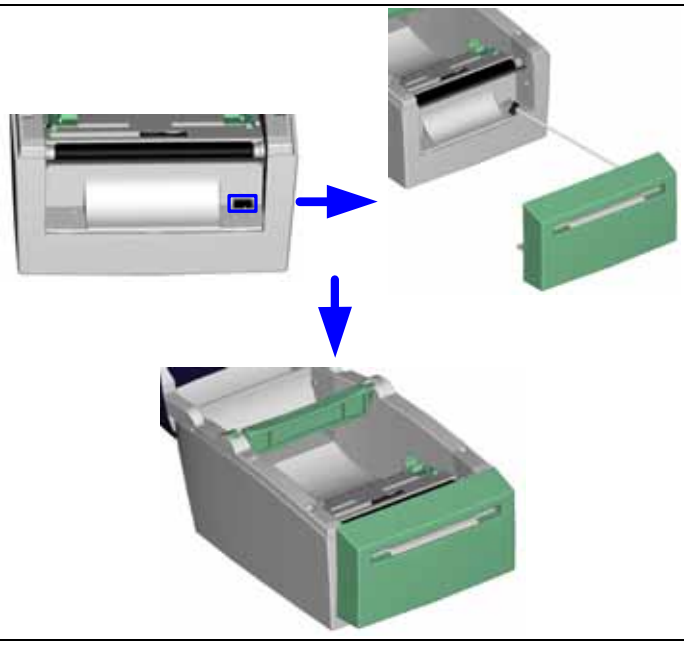
4. Place the Stripper on the fillister.

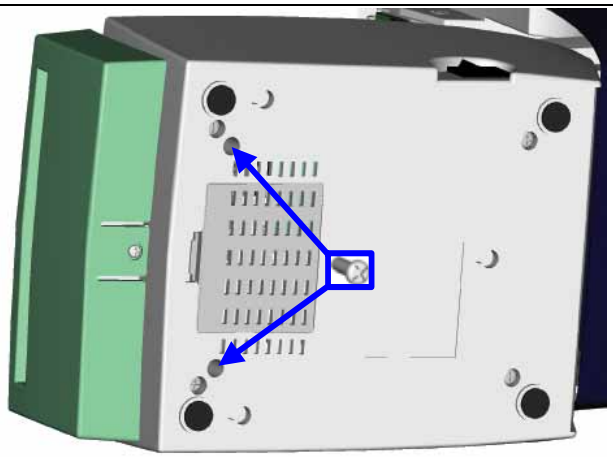
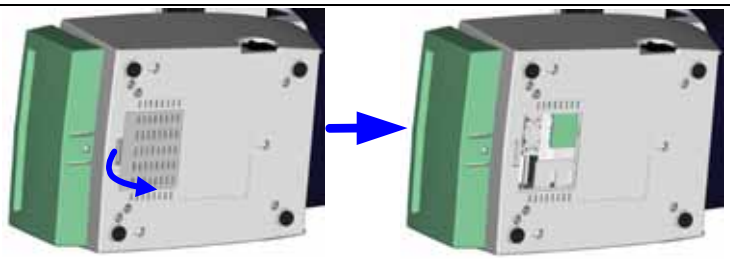
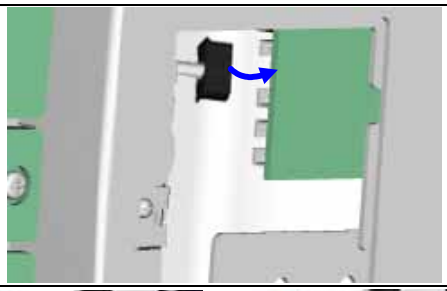
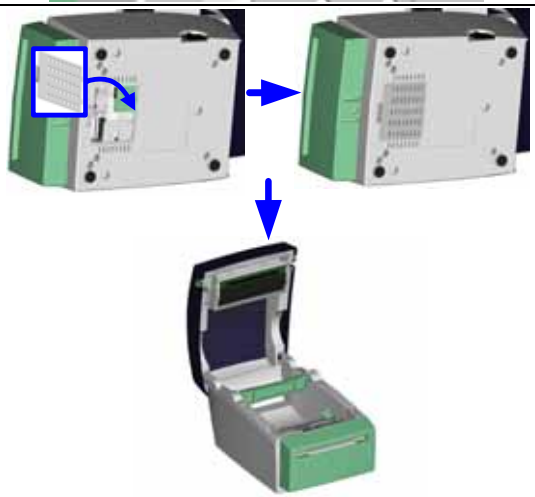
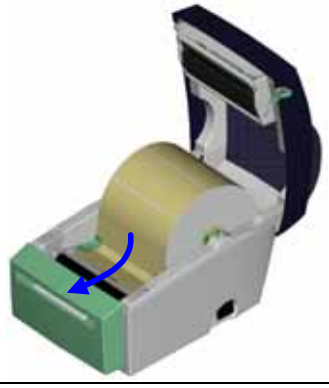


5. Turn the printer around and tighten screws to fix the Stripper in location.	
6. Unlock the Bottom Case Cover to see the main board of printer. *【Note】* *You can also use coin or screwdriver to open the bottom case cover.*	
7. Plug the connector into the main board. *【Note】* *There are 2 sockets on the main board, one is for stripper installation, another is for cutter installation. Before plugging the connector into socket, please check the pin first.*	
8. Lock the Bottom Case Cover. 9. Turn the printer back to proceed to the label installation.	

10. Flip the stripper downward to open it. 11. Follow the instruction on Chapter 2-1 to install the label.	
12. Peel off the first label, and feed the liner through the roller and the strip bar.	
13. Follow the direction as shown in figure to feed the liner across the stripper.	
14. Flip the stripper upward to close it.	
15. Press the FEED key to adjust the position of label and complete the installation.	

3-2. Cutter

1	Cutter Module	
2	Screw x 2pcs	
【Note1】 *Please power off the printer before installing the cutter module.* *【Note2】* *Do not cut self-adhesive labels! The traces of adhesive will pollute the rotary knife and impair safe operation! The service life of the cutter is 1,000,000 cuts for paper weights up to 120g/㎡, and 500,000 cuts for paper weights 120g/㎡ to 170g/㎡.*		*【Note3】* *The max paper cutting width is 114mm* *【Suggestion】* *When installing the cutter module, set the stop position to 30 in QLabel and the E value is 30.*
1. Place the printer on a horizontal surface and open the Top Cover.		
2. Remove the Front Cover Piece.		
3. Push the Cutter connector into printer through the cable hole as shown in figure. 4. Place the Stripper on the fillister.		

5. Turn the printer around and tighten screws to fix the Cutter in location.	
6. Unlock the Bottom Case Cover to see the main board of printer.	
7. Plug the connector into the main board. *【Note】* *Before plugging the connector into socket, please check the pin first.*	
8. Lock the Bottom Case Cover. 9. Turn the printer back to proceed to the label installation.	
10. Follow the instruction on Chapter 2-1 to install the label.	

11. Feed the label through the Cutter and press the FEED key to complete the installation.	

4. Control Panel

4-1. LED Status

Press and hold the FEED key then power on the printer, the printer will beep 3 times and enter into Self-Test status. If keep holding the FEED key, the status will change in sequence to Auto Sensing Mode, Dump Mode, See-through Sensor on/off, and then return to Self-Test again. These different statuses can change the setting of printer, they are described as follows:

LED Light	Beep	Status	Description
Green	1	Normal status	Normal status
Press and hold the FEED Key then power on the printer. ↓			
Red (Flash)	3	Self-Test	Printing Self-Test page, for operation instructions please refer to page 29.
↓			
Orange (Flash)	1	Auto Sensing Mode	Printers currently in Auto Sensing Mode, for operation instructions please refer to page 30.
↓			
Green (Flash)	1	Dump Mode	Printers currently in Dump Mode, for operation instructions please refer to page 30 .
↓			
Orange	1	See-through Sensor on/off	Set the See-through Sensor on or off, for operation instructions please refer to page 31.
↓ Return to Self Test			
Red (Flash)			Printer is currently downloading F/W

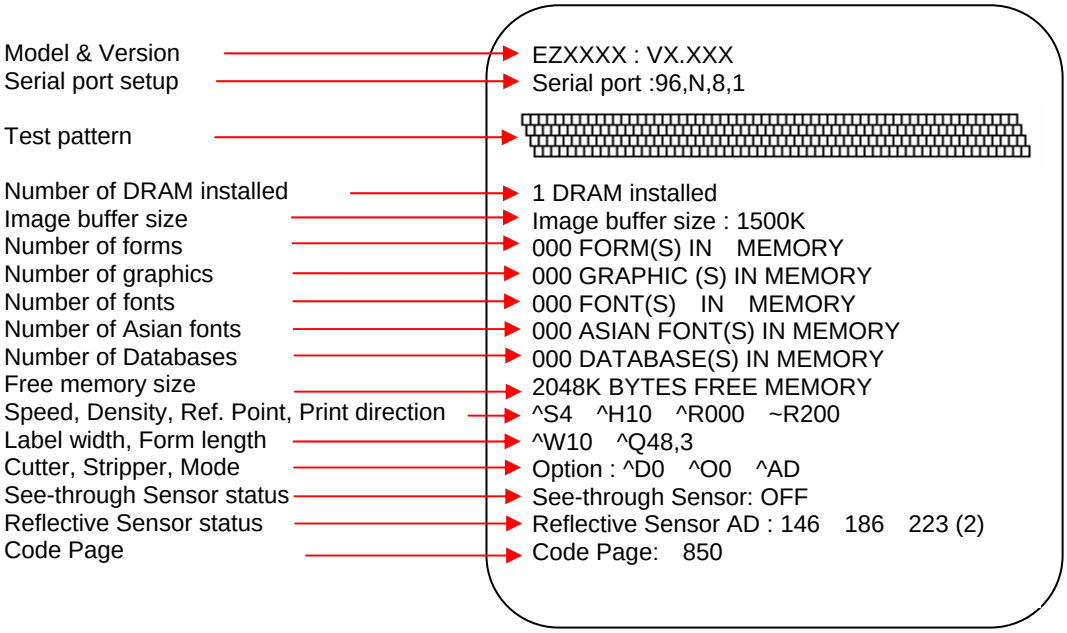
4-2. Feed Key Introduction

After pressing the FEED key, printer will send the media (according to media type) to the specified stop position. When printing with continuous media, pressing the FEED key will feed media out to a certain length. When printing with labels, pressing the FEED key will feed one label at a time. If the label is not sent out in a correct position, please proceed with the Auto sensing (see page30).

4-3. Self-Test

The Self-Test function in a printer will help user to figure out whether the printer is operating normally. In the Self-Test Mode, the printer will print out a test sample each time when the FEED key is pressed. To break off the Self-Test procedure, just turn off the printer. Below are the Self-Test procedures:

1. Power off the printer, press and hold the FEED key.
2. Power on the printer (while still holding the FEED key); release the FEED key after printer beeping 3 times.
3. After about 1 second, printer would automatically print out the following. This means the printer is operating normally.



Self-Test includes the internal printer data setting.

4-4. Auto Sensing

Printer can automatically detect label (black mark paper) length and record. By doing this, the printer can accurately detect the label (black mark) positions without setting the print length.

1. Check if the Moveable Sensor Mark is located at the right sensing position.
2. Power off the printer, press and hold the FEED key.
3. Power on the printer (while still holding the FEED key) and the printer will beep 3 times. Keep holding the FEED key, wait for the LED flashes orange and then release the FEED key. Printer will automatically detect the label size/length and record it.

Printer goes back to standby mode after displaying the measurement.

4-5. Dump Mode

When label setting and the print result don't match for each other, it is recommended to go into the Dump Mode to check whether there's a mistake in data transmission between the printer and the PC. For example, when printer receives 8 commands, yet without processing these commands, only printed out the contents of the commands, this will confirm whether the commands were received correctly. Test procedures to enter the Dump Mode are as follows:

1. Power off the printer, press and hold the FEED key.
2. Power on the printer (while still holding the FEED key) and the printer will beep 3 times.
3. Release the FEED key when LED flashes green. Printer will automatically print "DUMP MODE BEGIN." This means the printer is already in Dump Mode.
4. Send commands to the printer, and check if the print result matches the commands sent.
5. To cancel (get out of the Dump Mode), press the FEED key, the printer will automatically print out "OUT OF DUMP MODE". This indicates that printer is back in the standby mode. Powering off the printer is another way to exit the Dump Mode.

4-6. See-through Sensor on/off

There are two types of sensor in EZ-DT-2 / EZ-DT-4 printer - Reflective Sensor and See-through Sensor. Users can set one of them as active sensor. By default, the Reflective Sensor is turned on and the See-through Sensor is turned off. However, the reflective sensor may not be able to detect the label gap on special label materials. For example, when printing on labels with thick liner, colored liner, or back graphics, then the see-through sensor would need to be enabled since the reflective sensor may not work correctly.

To turn the See-through Sensor on, please do as follows:

1. Power off the printer, press and hold the FEED key.
2. Power on the printer (while still holding the FEED key) and the printer will beep 3 times. Keep holding the FEED key, wait for the LED light turn to orange and then release the FEED key. The printers will automatically print “SEE-THROUGH SENSOR IS ON”. This indicates that the See-Through Sensor is turned on (and the Reflective Sensor is turned off).
3. To turn off the See-Through Sensor, please repeat above-mentioned procedures. Then the printer will print “SEE-THROUGH SENSOR IS OFF” to indicate that the See-Through Sensor is turned off.

SEE-THROUGH SENSOR IS ON or SEE-THROUGH SENSOR IS OFF

For checking the status of See-through Sensor (on or off), please perform Auto Sensing once. If LED light is green when doing Auto Sensing, then the See-through Sensor is on. If LED light is orange, then the See-through Sensor is off.

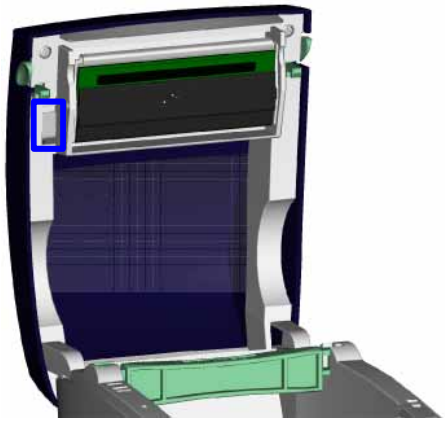
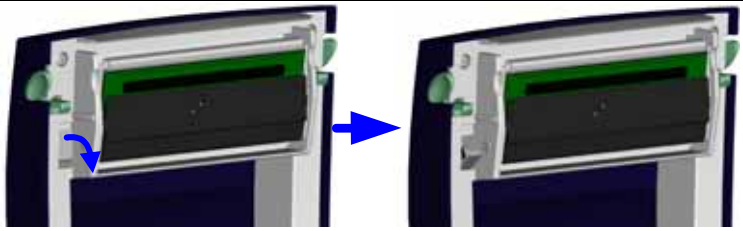
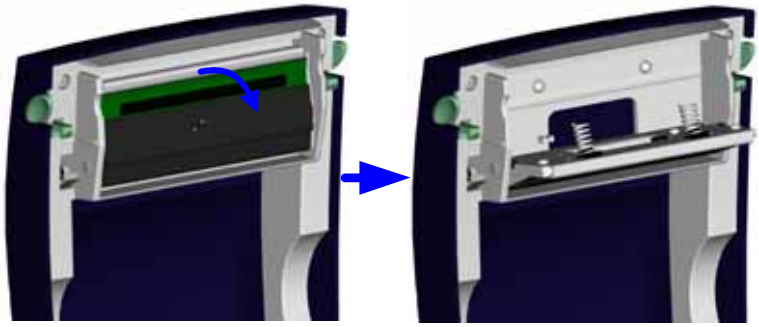
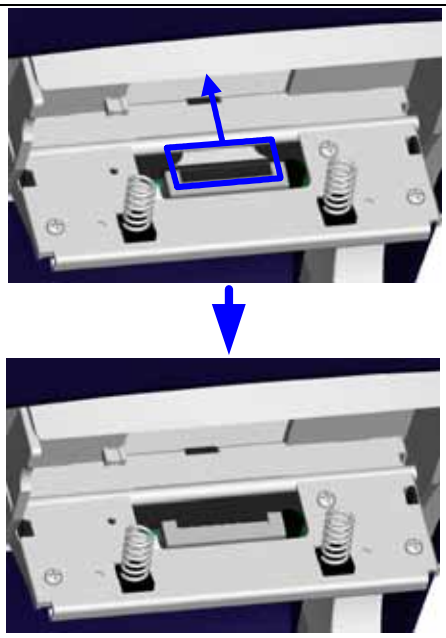
【Note】
When the See-through Sensor is enabled, the Label Sensor must be placed in the center of the printer.

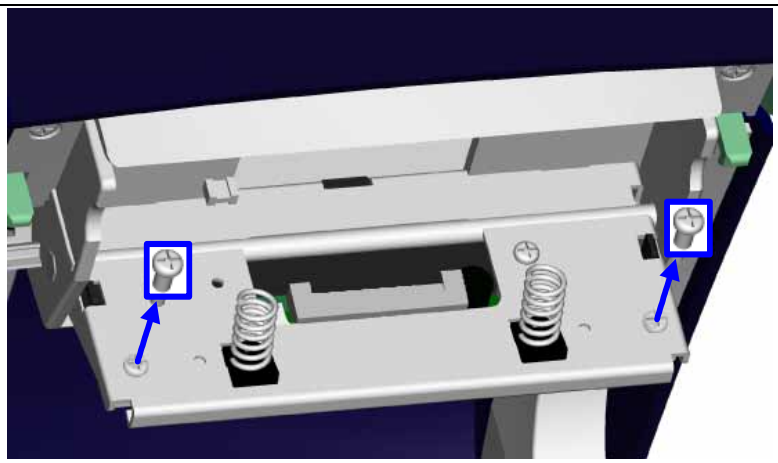
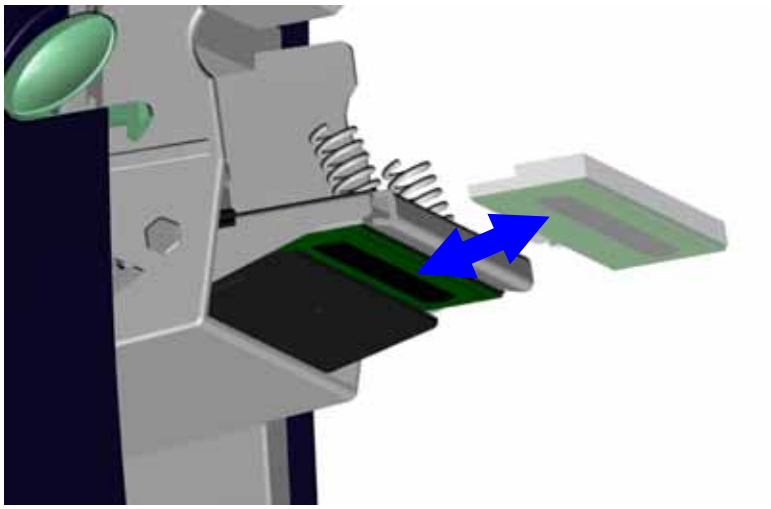
4-7. Error Messages

LED Light	Beep	Description	Solution
Red	4 beeps twice	Print head is not firmly closed.	Re-open print head and make sure it closes tightly.
Red (Flash)	None	Print head temperature high.	Wait for the print head temperature drops to the normal temperature range, printer will go back to the standby mode and the LED light will stop flashing.
Red	2 beeps twice	Unable to detect paper.	Make sure the movable sensor mark is at the correct position, if the sensor is still unable to detect paper, and then go through Auto Sensing again.
		Paper used up.	Replace with new label roll.
Red	2 beeps twice	Abnormal paper feed.	Possible causes: card tags or paper fall into the gap behind the platen roller, can't find label gap/black mark, black mark paper out. Please adjust according to actual usage.
Red	2 beeps twice	Memory is full; printer will print out "Memory full."	Delete unnecessary data in the memory.
Red	2 beeps twice	Can't find the file; printer will print out "Filename can not be found."	Use "~X4" command to print out all the files, then check whether the file exist and the names are correct.
Red	2 beeps twice	File name is repeated; printer will print out "Filename is repeated."	Change the file name and download again.

5. Maintenance and Adjustment

5-1. Print Head Module Installation / Removal Instruction

1. Open the top cover to see the Print Head Lift, which is on the left side of Top Cover. *【Note】* *Power off the printer before removing or installing the print head.*	
2. Flip the Print Head Lift downward to release it.	
3. The Print Head Bracket can be flipped downward after Print Head Lift is released.	
4. Remove the Print Head Connector.	

5. Remove the Print Head Screws,	
6. From the underneath of the Print Head Bracket, hold the front end of print head to remove it and install new print head. 7. After new print head is installed, tighten the Print Head Screws, plug the Print Head Connector, restore the Print Head Bracket and lock the Print Head Lift to complete the installation.	

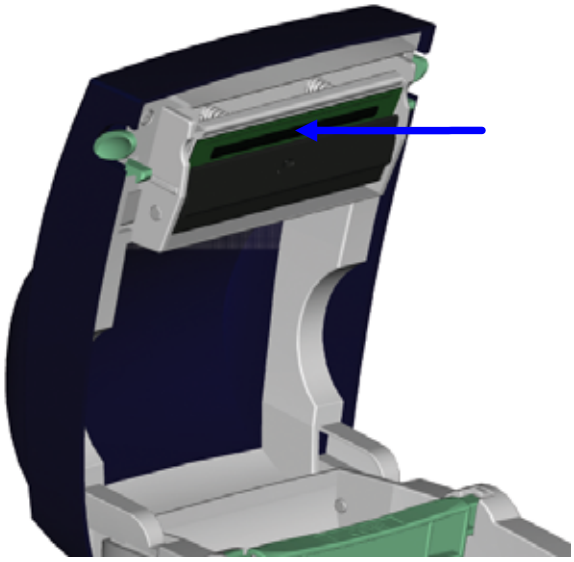
5-2. Thermal Print Head Cleaning

Unclear printouts may be caused by dusty print head, ribbon stain or label liner glue. Therefore when printing, it's necessary to keep the top cover closed. Also, check and prevent paper/label from being stained or dusty to ensure print quality and to prolong the print head life. Print head cleaning instructions are as follows:

1. Power-off the printer.
2. Open the top cover.
3. If there are label pieces or other stain on the print head (see blue arrow), please use a soft cloth with industrial use alcohol to wipe away the stain.

【Note 1】
Weekly cleaning for the print head is recommended.

【Note 2】
When cleaning the print head with soft cloth, make sure there is no any metal or hard particles attached on it.

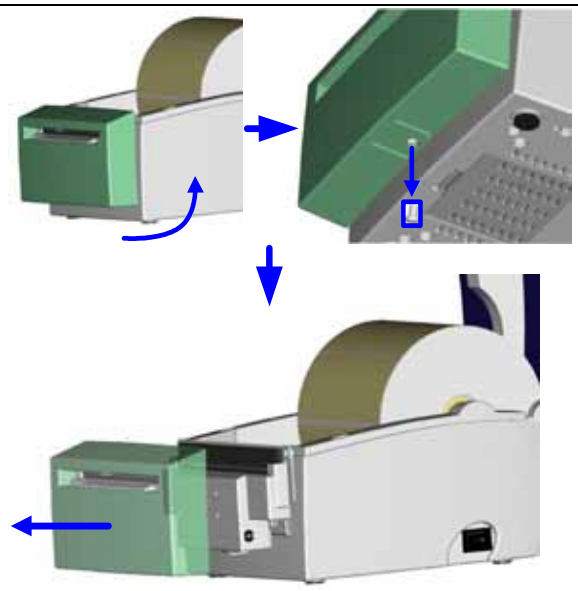


5-3. Adjust the Cutter

When using Cutter, paper-jam may happen sometimes. It can be solved by adjusting the cutter.

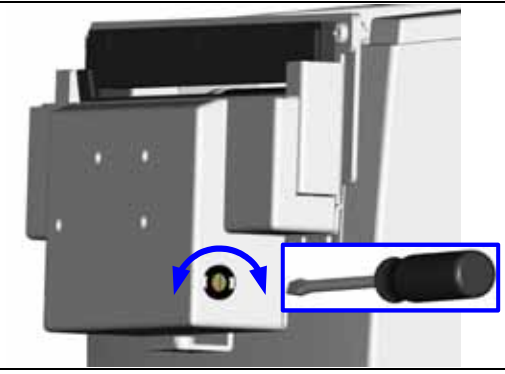
1. Turn the printer around to see the Cutter Cover Screw.

2. Unscrew the Cutter Cover Screw to remove the Cutter Cover.



3. The Cutter Adjustment Screw is on the side of cutter. Use screwdriver to turn the Cutter Adjustment Screw counter-clockwise for releasing the paper-knife of the cutter and then remove the jammed-label out.

4. After the jammed-label is removed, turn the Cutter Adjustment Screw clockwise to restore the paper-knife.



5-4. Troubleshooting

Problem	Recommended Solution
LED light does not light up after power on the printer	◆ Check the power connector
LED light indicates error messages after printing stops	◆ Check for software setting or program command errors ◆ Replace with suitable label ◆ Check if label may run out ◆ Check if label is jammed/tangled up ◆ Check if mechanism is closed (Thermal Print Head not positioned correctly) ◆ Check if sensor is blocked by label ◆ Check for abnormal cutter function or of no actions (if cutter is installed)
Printing started, but nothing was printed on the label	◆ Check if label is placed upside down or if label is not suitable for the application ◆ Select the correct printer driver ◆ Select the correct label and print type
When printing, label is jammed/tangled up	◆ Clean the label jam, and if label is stuck on Thermal Print Head, please remove it by using soft cloth with alcohol.
When printing, only part of the contents were printed	◆ Check if label is stuck on the Thermal Print Head ◆ Check if application software has errors ◆ Check if start position setting has errors ◆ Check if power supply is correct
When printing, part of the label wasn't printed completely	◆ Check if Thermal Print Head is stained or dusted ◆ Use internal command "~T" to check Thermal Print Head can print completely ◆ Check the media quality
The printout is not in desired position	◆ Check if sensor is covered by paper or dust ◆ Check if liner is suitable for use, please contact reseller for more information ◆ Check if label roll edge is aligned with Label Width Guide
When printing, page skipping occurs	◆ Check if error occurs on label height setting ◆ Check if sensor is covered by dust
Unclear printout	◆ Check print darkness setting ◆ Check if Thermal Print Head is covered with glue or stain
When using cutter, label wasn't cut straight	◆ Check if label is set up straight
When using cutter, label wasn't cut successfully	◆ Check whether label thickness exceeds 0.16mm
When using cutter, label couldn't feed or unexpected cutting occurs	◆ Check if cutter is installed properly ◆ Check if paper feed is working normally.
When using stripper, the function is not working correctly.	◆ Check if stripper sensor is covered with dust ◆ Check if label is installed properly

【Note】

Your dealer is knowledgeable about GODEX printers, printing software, and your unique system. Please contact your local dealer for further technical support.