

# **Laundryprint**

Thermal Label Printing System  
Operating Instructions 1.7

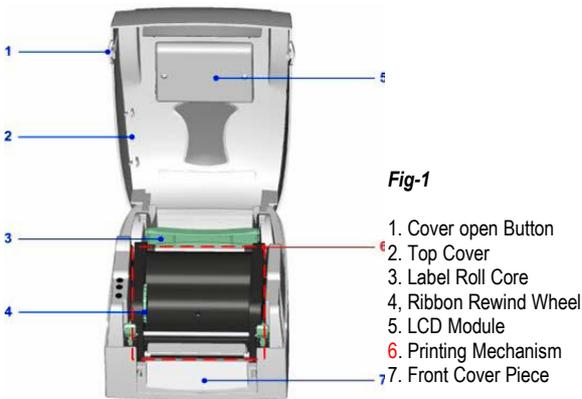
# **Plus**



# **WADER**

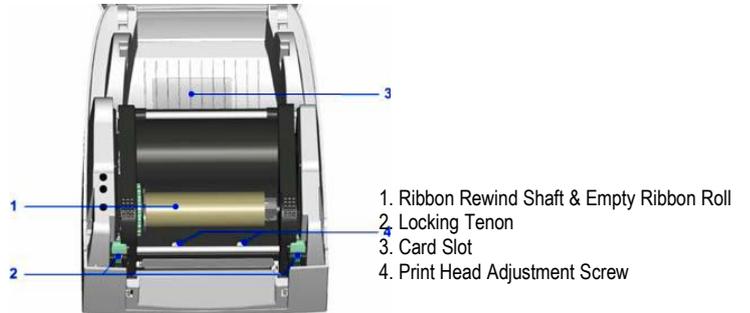
Wader Labelling Systems Limited  
26 Carham Road, Hoylake, Wirral, England  
0151 632 3464  
[www.wader.co.uk](http://www.wader.co.uk)

# Identifying Printer Parts



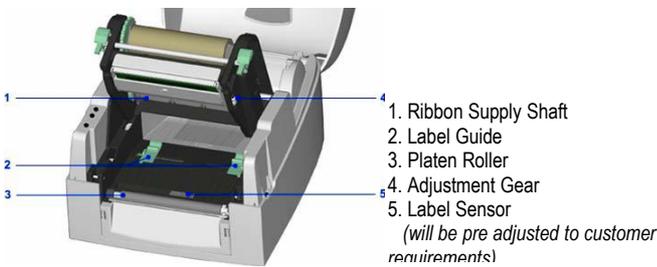
**Fig-1**

1. Cover open Button
2. Top Cover
3. Label Roll Core
4. Ribbon Rewind Wheel
5. LCD Module
6. Printing Mechanism
7. Front Cover Piece



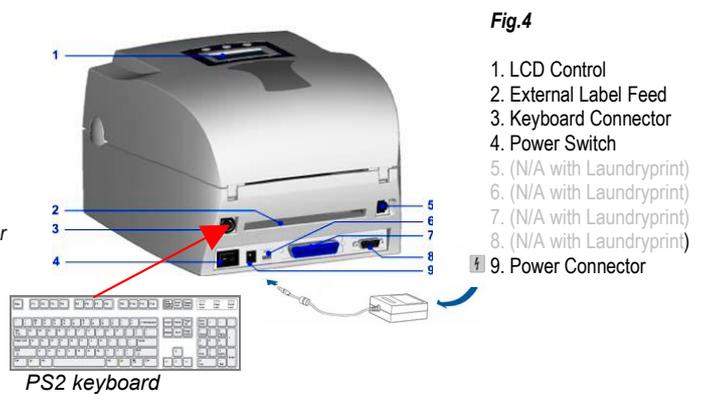
**Fig. 2**

1. Ribbon Rewind Shaft & Empty Ribbon Roll
2. Locking Tenon
3. Card Slot
4. Print Head Adjustment Screw



**Fig. 3**

1. Ribbon Supply Shaft
2. Label Guide
3. Platen Roller
4. Adjustment Gear
5. Label Sensor  
*(will be pre adjusted to customer requirements)*



**Fig.4**

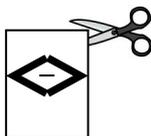
1. LCD Control
2. External Label Feed
3. Keyboard Connector
4. Power Switch
5. (N/A with Laundryprint)
6. (N/A with Laundryprint)
7. (N/A with Laundryprint)
8. (N/A with Laundryprint)
9. Power Connector

- Unpack the printer and keyboard units and locate on a suitable surface near a mains outlet.
- Connect the keyboard & mains adaptor to the printer (see Fig.4).
- Ensure that the thermal tape & ribbon are installed (see pages 7 to 10).
- If you are using die cut tape ensure that the sensor is aligned correctly (see page 10).
- Switch on the printer (see Fig.4 #4) & the LED power will illuminate (Fig – 8/9).

## Thermal Media Sizes & Re-order Codes

### Plain continuous thermal tape

- TH - 40
- TH - 60
- TH - 80



### Butterfly die cut thermal tape

- TH - 48x19
- TH - 48x20
- TH - 70x38
- TH - 82x25
- TH - 82x34
- TH - 92x50



### Laundry thermal ribbon

- TH - RIBBON+

# Getting Started

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Stored within the printer are numerous standard label layouts that you can access, enter text & then print. If you have specified a custom designed layout these will be stored in the printer along with the standard layouts (*samples and the form name will be enclosed*).

When the Laundryprint powers up the LCD display will show....



Press Y (yes) to recall a stored label layout (form)  
*(If the display is different from the one on the right refer to page 4 Other Control Displays)*



Press the Return/Enter key to retrieve a stored label



Stored label layouts are listed in alphabetical order, labels that have a numerical digit are listed first. Either press the arrow keys to scroll through the labels or press the first letter of the label layout name required to jump to that label.



For this example we are going to use the label layout called **A-4 Line**, so this could be found within the stored labels by either pressing **A** (being the first letter of the label name) or by scrolling through the layouts using the arrow keys. Once the name is displayed on the screen simply press the Return/ Enter key to select it for editing.



The screen will now display the first line of the label. The screen prompt for this particular label is "Line 1?" but this can vary in different label layouts.



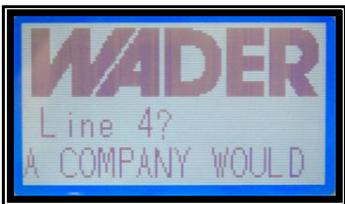
For the first line of the label we are going to enter the text **EXAMPLE LABEL** and press the Return key.



We are now prompted to enter text for line 2 of the label.  
For this line we have entered **THIS IS LINE 2** again after entering the required text press the Return key to precede to line 3 of the label.



Text for this line will be **A PERSON** followed by the Return key.



Text for line four will be **A COMPANY WOULD GO** as you can see, if the text is too long for the screen it simply scrolls along as you type. The keyboard arrow keys may be used to move L/R along the text. As before press the Return key to enter the line of text.



This particular label is made up of four lines only so now the screen prompts the user for a quantity of labels to print.  
For this example we have entered a quantity of **20**.  
Press the Return key and the printer will print the entered label 20 times.  
Once printing has finished the screen displays the print quantity in-case the user requires more of the same label (*different quantities may be entered*).

If you do not wish to print any more of that particular label, press the Esc key and the screen returns to the first line of the label (*by pressing the Esc key twice the screen returns to the Labels stored selection*).



The Laundryprint will remember the label text entered. To leave the line as it is simply press the Return Key or type new text to replace it followed by the Return key.  
Repeat the processes for the remainder of the label as described previously.

## Commonly Used Keys (fig-11)



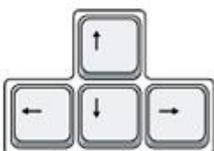
Enter or Return (*key*) / confirm typed text into the system.



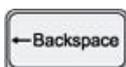
Exit or go back / exit out of process.



Go to Keyboard mode.



Line navigation whilst editing label text.  
&  
Scrolling through label layouts (*form selection*).



While working with text, use this key to delete characters to the left of the cursor.

## Other Control Displays

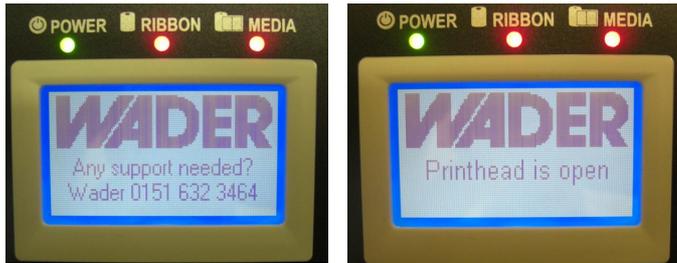


This is the Laundryprint main screen and is normally displayed if the system is not in keyboard mode.

Exiting out of keyboard mode may be the result of pressing the **Esc** key too many times (*whilst exiting label edit mode*) or non detection of a keyboard connected. Check that the keyboard is connected correctly and press the **F1** key to go back to Keyboard mode or reset the printer by switching it off / on.

If a fault is detected the screen will toggle between the two displays below, note the LED's at the top of the panel are also illuminated (*see fig 10*).

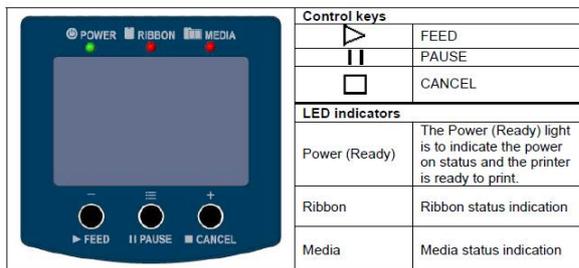
Fig – 8/9



Check that the thermal tape or ribbon has not run out and that the print head has been closed correctly.

## Control Panel

It should not be necessary under normal printing to access the control panel buttons as most of the standard label printing functions can be accessed via the keyboard.



### Feed Key

When printing with continuous media, pressing the FEED key will feed media out to a certain length. When printing with gap labels, pressing the FEED key will feed one label at a time

### Pause Key

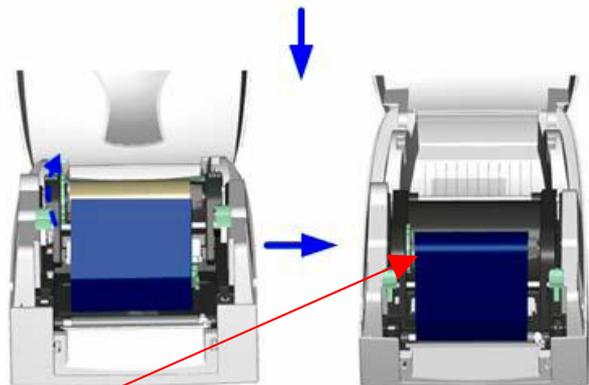
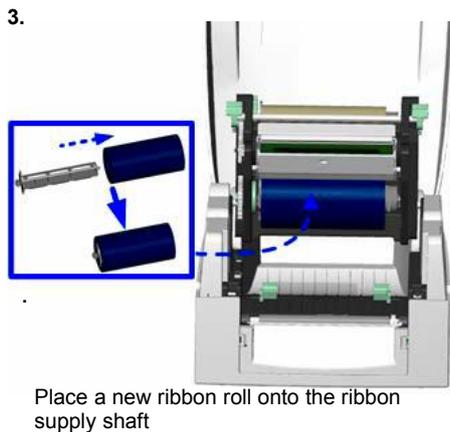
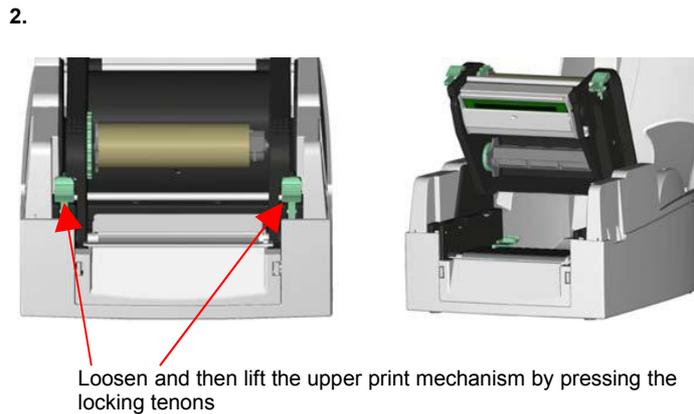
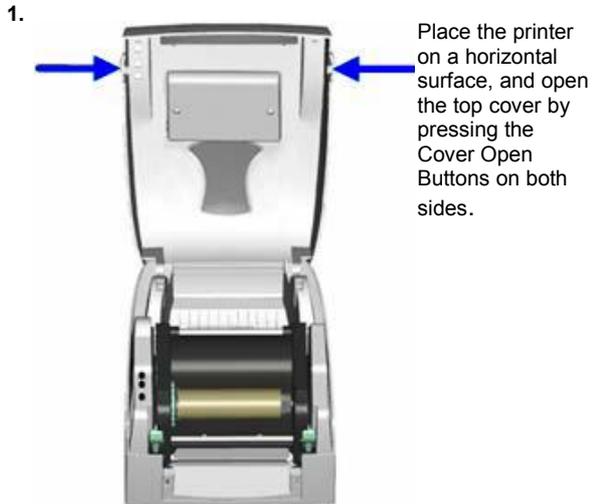
When pressing the Pause key in standby mode (ready to print), the printer will go into the Pause Mode, and LCD Display will indicate "Pause". At this status, printer is not able to receive any command. Then pressing the Pause key once again, the printer will get out of the Pause mode and go back to standby mode. Pressing the Pause key while printing, printer will suspend the print job. When the Pause key is pressed one more time, the printer will continue with the rest of the print job. For example, when printing with a print job that contains 10 labels and then press the Pause key to suspend the print job after 2 labels are printed out. If the Pause key is pressed again, the printer will print out remaining 8 labels to complete the print job.

### Cancel Key

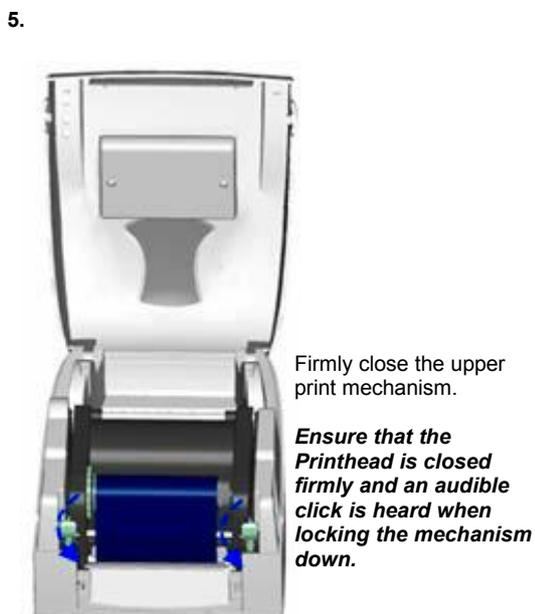
The Cancel key is used to cancel current print job. The LCD Display will show "Print job is cancelled" when pressing the Cancel key during printing. For example, when printing with a print job that contains 10 labels and then press the Cancel key after 2 labels are printed out. The remaining 8 labels will not be printed, and the printer goes back to standby mode.

# Ribbon Installation

It is recommended to use only approved Wader laundry thermal ribbons with this system.



Wrap the ribbon around the Ribbon Shaft and stick the ribbon onto the Empty Ribbon Roll Core, take out any slack by advancing the ribbon rewind wheel

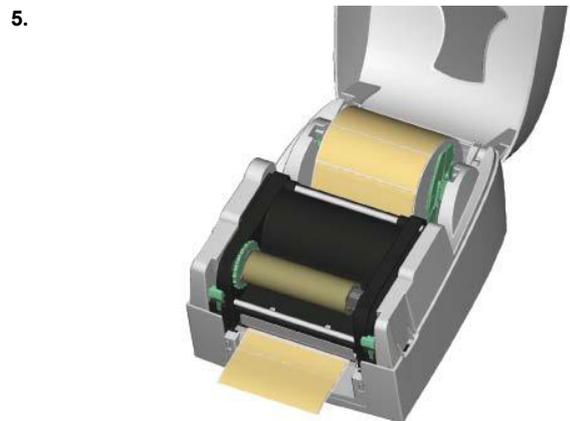
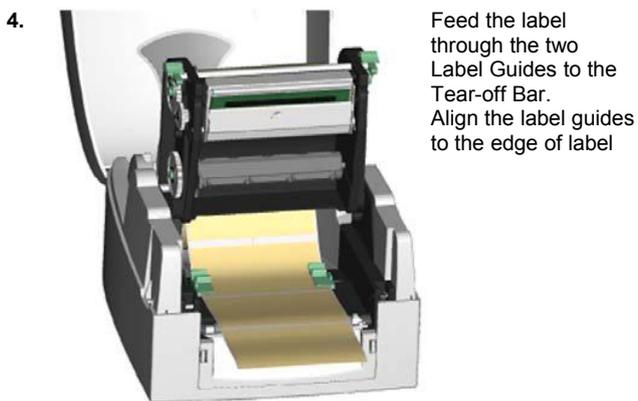
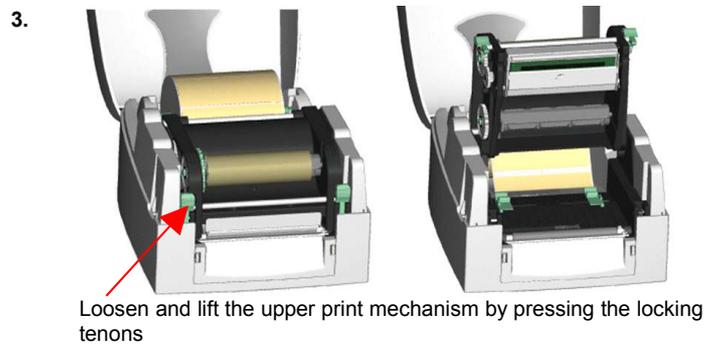
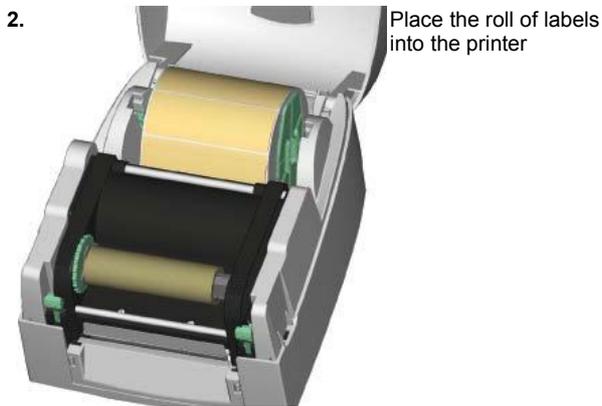
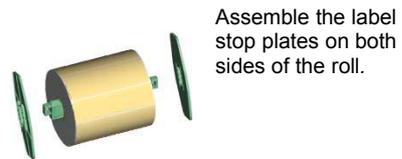
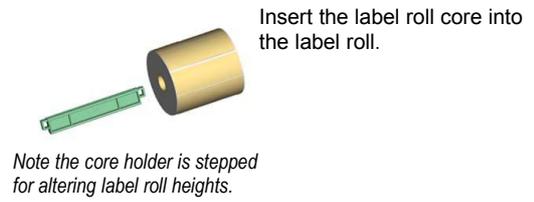
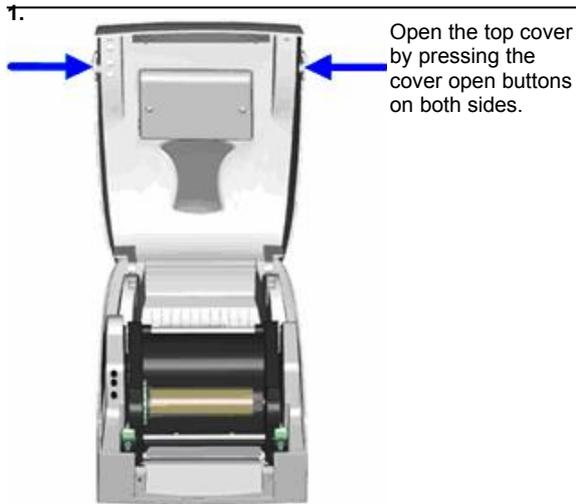


*Your new Laundryprint system will come with a Ribbon already installed.*

*Ensure that you only use the special Wader Thermal fast ribbon, this product has been laundry wash tested.*

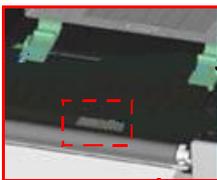
*Replacement laundry ribbons and printing media are available from direct Wader Labelling Systems Ltd.*

# Tape Installation *(For additional information on die-cut tape see page 8)*



Close the upper print mechanism from the top to finish label installation.

*Ensure that the Printhead is closed firmly and an audible click is heard when locking the mechanism down*



See Sensor adjustment details

**Note:**  
It should not be necessary to disturb the tape alignment sensor if you are replacing tape of the same size. Moving the sensor out of position could cause the auto sensing feature of the Laundryprint to fail.

## Die Cut Tape.

If you are using die-cut (gap labels) feed the tape forward or print two test labels to allow the printers internal auto sensor function to align the tape correctly.

This procedure is required only when the Printhead is unclamped and lifted clear of the tape.

If you are experiencing problems with the tape gap alignment first check the sensor positioning (see below) then try an auto sensing calibration.

### Auto sensing Calibration

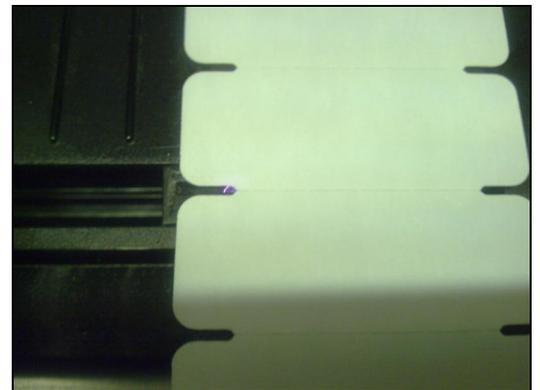
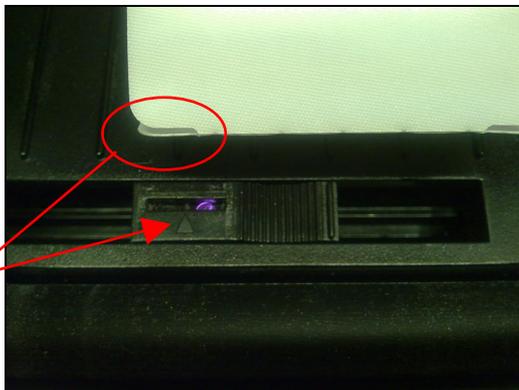
*Turn off the printer*

*Press and hold the printers PAUSE key (located on the top control panel of the printer) and turn on the printer until the buzzer beeps 3 times.*

*The printer will now go in to auto sensing mode and detect the label gap length.*

### Sensor Adjustment for use with die cut tape only.

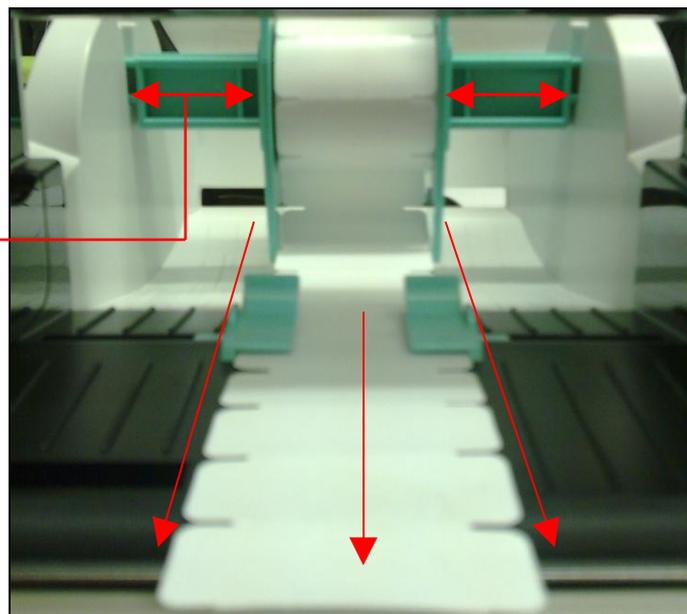
Align the arrow on the sensor centrally to the cut-out.



### Tape Centring

Getting the tape centred correctly will ensure that the label sensing function operates correctly.

Ensure that the label roll holder side plates are located centrally on the spool & that the side plates are not too tightly pressed into the side of the tape to cause any restriction of movement.



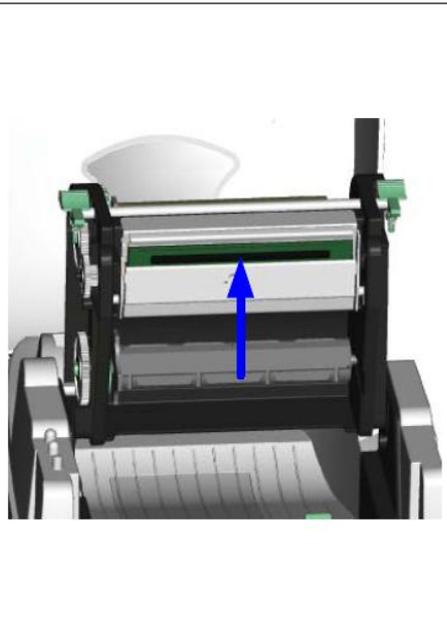
# Maintenance – Thermal Printhead Cleaning

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. Take out the ribbon.
4. Open the print head by pressing the locking tenons.
5. If on the print head (see blue arrow) there's label pieces or other stain, please use a soft cloth with industrial use alcohol to wipe away the stain.

**[Note1]**  
Weekly cleaning on the print head is recommended.

**[Note2]**  
When cleaning the print head with soft cloth, make sure there is no any metal or hard particles attached on it.



# Troubleshooting & LED Indicators

Fig-10

Quickly blinking   Slowly blinking   Light is on

Power on the printer, but the LED does not light up	◆ Check the power connector is plugged correctly
LED light turns red (power/status) after printing stops	◆ Check for software setting or program command errors ◆ Replace with suitable label or ribbon ◆ Check if label or ribbon is all out ◆ Check if label is jammed/tangled up ◆ Check if mechanism is not closed(Thermal Print Head not positioned correctly) ◆ Check if sensor is blocked by paper/label
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 or ribbon is stuck on the Thermal Print Head ◆ Check if start position setting has errors ◆ Check if ribbon has wrinkles ◆ Check if ribbon supply shaft is creating friction with the platen roller. If the platen roller needs to be replaced, please contact your reseller for more information ◆ 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
Printout 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
Unclear printout	◆ Check print darkness setting ◆ Check if Thermal Print Head is covered with glue or stain

LCD Message Display	LED Message Light			Beep	Description	Solution
	Ribbon	Media				
Print Head is opened			both lights are on	4 beeps twice	Thermal Print Head is not firmly closed.	Re-open the Thermal Print Head and make sure it is closed tightly.
Entering the Cooling Process			blinking simultaneously		Thermal Print Head temperature high.	Printer goes back to standby mode after cooling.
Out of ribbon or check ribbon sensor				3 beeps twice	Ribbon not installed, and printer shows error message. Ribbons used up or ribbon supply shaft not moving.	Make sure the printer is in the Direct Thermal mode.  Replace with new ribbon roll.
Out of media or check media gap sensor				1 beep 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.
Check paper setting				1 beep twice	Label used up. Paper jam.	Replace with new label roll.  Possible causes: card tags, paper falling into the gap behind the platen roller, can't find label gap/black mark, black mark paper out. Please adjust according to actual usage.



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