



**Digital Information Ltd.**



**Preproofer  
740/780/940/980  
Acapulco Version**

**Installation manual**

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All the documentation in this manual is instructional and for the operation of Preproofer machine. Digital Information shall not be responsible for any damage or claims resulting from any errors or omissions in this manual.

Owing to our policy of continuous product development, specifications, terms and description of Preproofer 940/980 are subject to change without prior notice.

<b>Identifier</b>	Hardware Installation manual - EN
<b>Target group</b>	Installation, Technician
<b>Product</b>	Preproofer Acapulco 740/780/940/980
<b>Version</b>	V1.30
<b>Article code</b>	Preproofer IM7498-012 EN

## Table of contents

- 1 Introduction ..... 1-1**
- 2 Safety ..... 2-1**
  - 2.1 Warning..... 2-1
- 3 Tools and Materials required for the Installation ..... 3-2**
  - 3.1 Tools required for the Installation ..... 3-2
  - 3.2 Materials required for the Installation ..... 3-2
  - 3.3 Unpacking the Boxes ..... 3-2
- 4 Assemble the System ..... 4-1**
  - 4.1 Overview ..... 4-1
  - 4.2 Installation Steps ..... 4-3
- 5 Function test ..... 5-1**



## 1 Introduction

The Preproofer 940/980 is a fully automatic system printing double-sided proofs in 8up format. The system is based on two Epson Stylus 9400/9800 printing engines, enabling print widths of 111cm (44”).

The Preproofer 740/780 is a fully automatic system printing double-sided proofs in 4up format. The system is based on two Epson Stylus 7400/7800 printing engines, enabling print widths of 61cm (24”).



**Please note:**

Installation of this equipment must be done by a trained technician.

Do **NOT** leave Epson Printers on the stand without securing them with the Printer locking devices.



## 2 Safety



This section provides important safety information and must be read before switching on or operating the equipment.

### 2.1 Warning

All precautions mentioned in this document must be strictly observed at all times. Personnel **MUST** therefore read the contents of the document **BEFORE** commencing any work on the equipment described in the document.

Improper use of controls and switches, failure to comply with warnings, and the performance of adjustments or procedures not specified in this document may expose personnel to danger.

Installation of this equipment must be done by a trained technician.

Do **NOT** leave Epson Printers on the stand without securing them with the Printer locking devices.

## **3 Tools and Materials required for the Installation**

### **3.1 Tools required for the Installation**

- Standard Screwdriver set
- Allen keys set
- Set of spanners 10-15 mm
- Phillips Screw driver set
- Measurement Tape
- Cordless drill to unpack the boxes
- wrench

### **3.2 Materials required for the Installation**

- Local Power cord (not supplied)
- Ethernet cable to connect the ShuffleBox to the PC (not supplied)

### **3.3 Unpacking the Boxes**

Make sure the following parts are available, after unpacking the cases:

**Large case:**

- 2 side Legs
- 2 Shelves
- 2 or 3 Cross beams
- 2 side media guides for roll media
- Power supply with international plug
- Software package with hardware dongle
- Bag of screws, rectangular End plugs, circular end plugs, Printer locking devices

**Small case:**

- Curver
- 1 anti-curling device + rod
- Upper media deflector
- ShuffleBox + Control panel wires + Y-motor wires

2 Step ladder

All packaged items must be inspected at the customer's site before unpacking begins. The following steps are taken when there has been damage:

- 1.) Record the observations on the delivery documentation.
- 2.) Inform the carrier, shipping agent and insurance agent.

Units may be removed from their box only by an approved engineer or representative. Do not proceed with unpacking when there has been a damage report until authorized by the shipping and insurance agents.

## 4 Assemble the System

Assemble the stand as described below. If the stand comes pre-mounted, please skip this section.

### 4.1 Overview

Once assembled, the stand should look as:

Front View



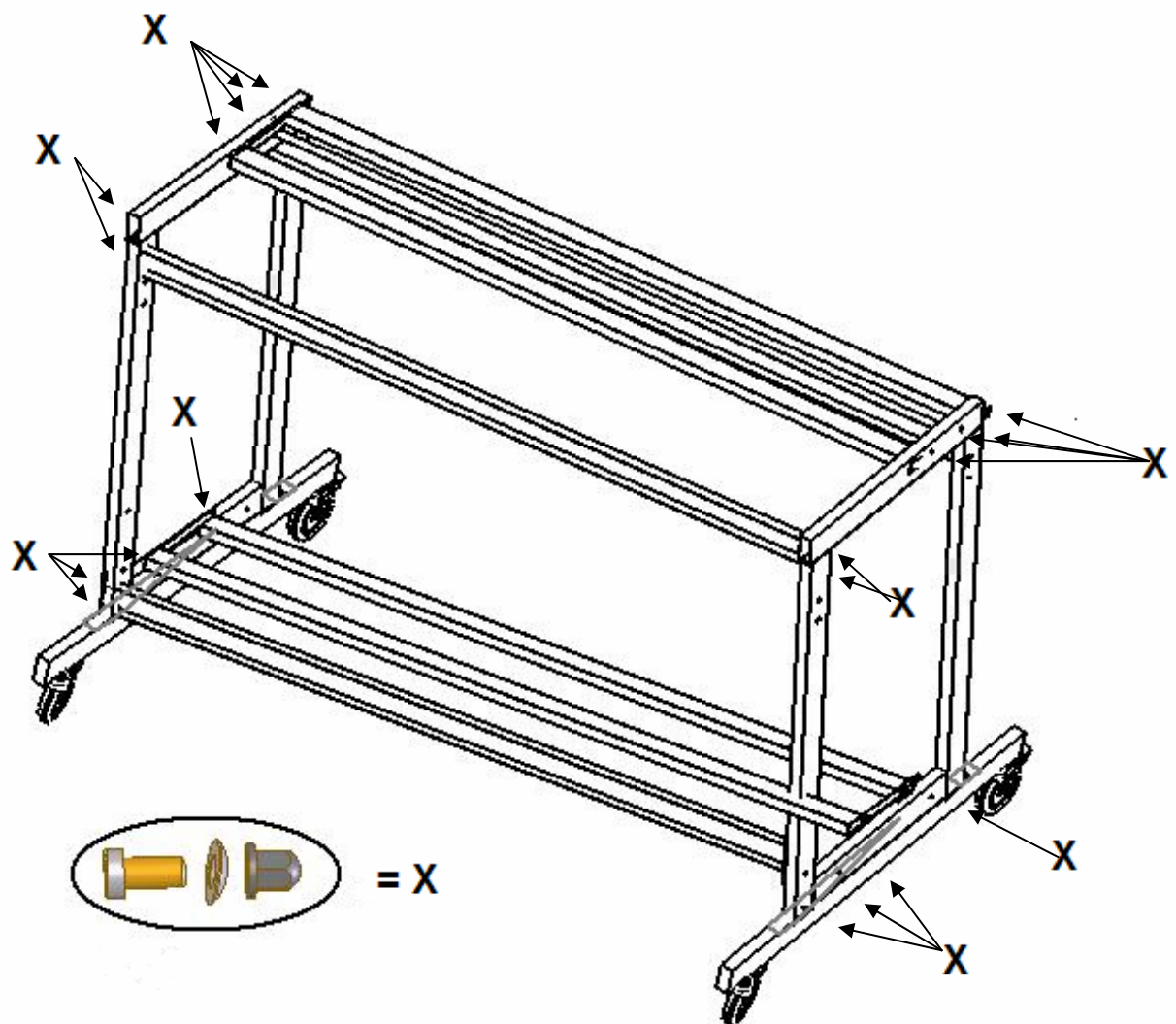
Back View



The parts positions as shown below:

20x M8 Bolts, 20x M8 washers, 20x M8 Nuts

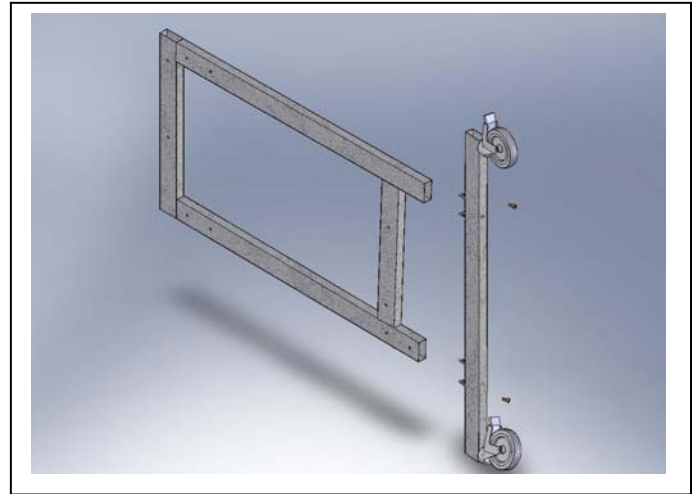
3 Cross Beams, 2 shelves, 2 side legs



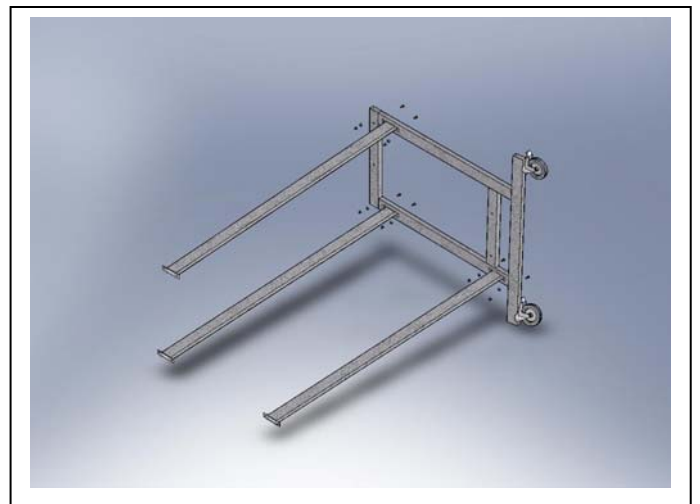
## 4.2 Installation Steps

1.)

Start building the stand from the bottom upwards. Insert the wheel beam flanges into the bottom of side frame. Screw with 2 bolts and washers. This will be left side. Repeat the same for the right side.

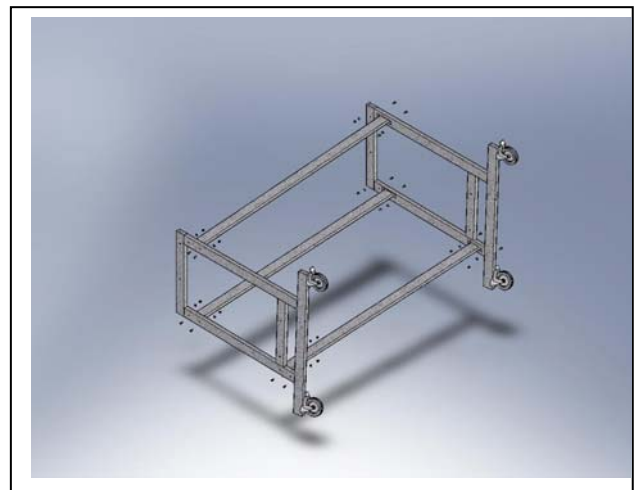


2.) Secure the 3 cross beams. Each beam is secured by 2 bolts, washers and nuts on each side. **Do not tighten the nuts yet!**



3.) Secure the other complete side as in step 2.

**Do not tighten the nuts yet.**



4.) Insert the upper shelf and tighten it with 2 screws, washers and nuts on each side.



5.) Insert the lower shelf and tighten it with 2 screws, washers and nuts on each side



6.) Glue the lower cable channel underneath the bottom shelf.

(1) Cable Channel

(2) Hole for Power Supply Shuffle Box, Ethernet cable

(3) Hole for USB Cable

(4) Open end for mains cable

7.) Glue the upper cable channel underneath the bottom of the top shelf.

(1) Hole for mains cable

(2) Open end for USB Cable

8.)

Glue the Vertical cable channel behind the side legs.

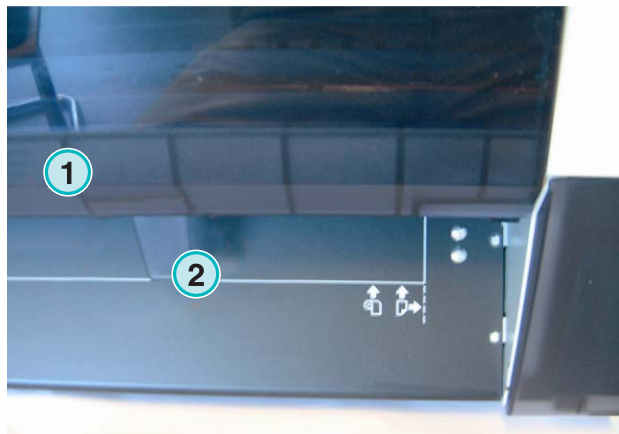
(1) Vertical cable channel

9.)

On each Epson printer, remove the plastic media deflectors (3 or 5 on each printer) by opening the front cover and unscrewing 2 screws on each deflector.

(1) Front Cover

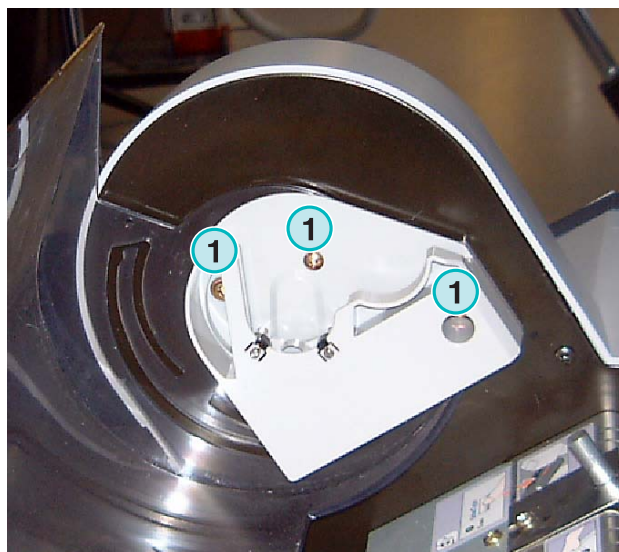
(2) Plastic media deflector



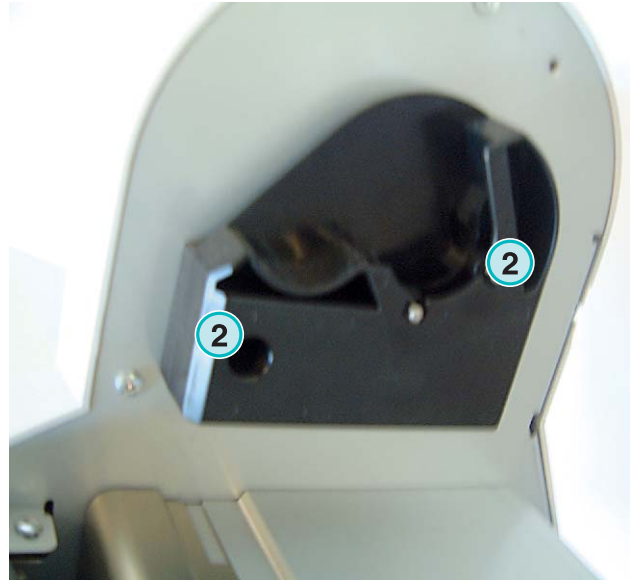
10.)

On the Top printer remove the right side roll holder by removing 3 screws and the left side roll holder by removing 2 screws. Remove the plastic cover. Reassemble again both the right side roll holder and left side roll holder.

(1) Right side roll holder: remove 3 screws



(2) Left side roll holder: remove 2 screws

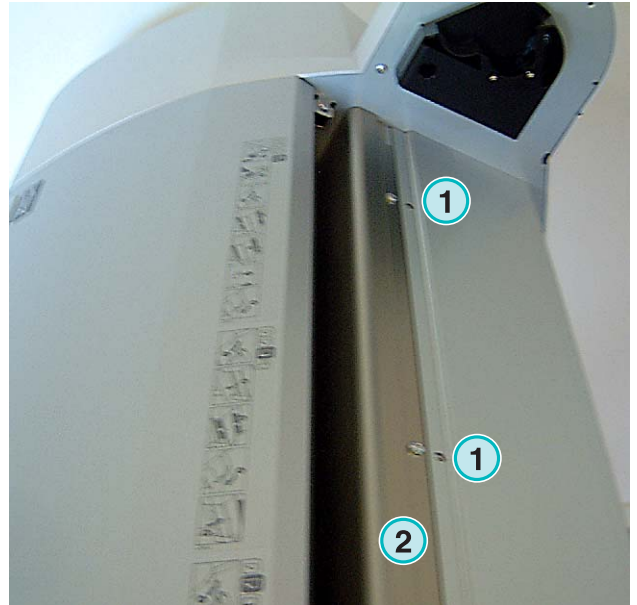


11.)

In the Top printer, remove 3 or 5 screws holding the back cover.

(1) Remove screws

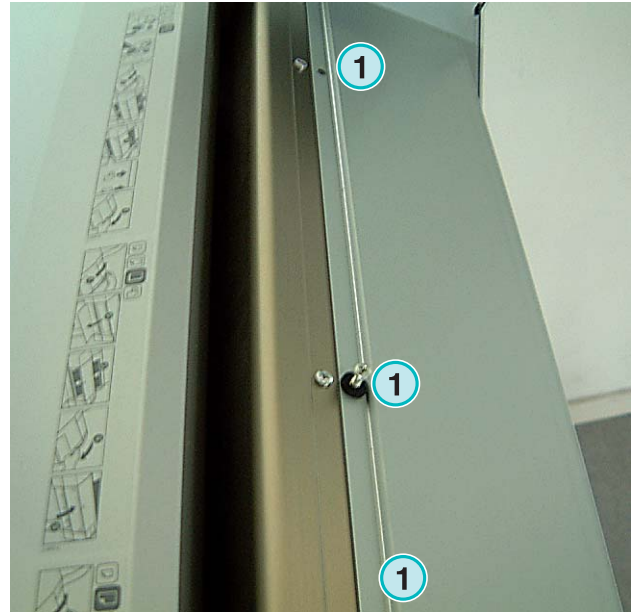
(2) Back Cover



12.)

In each location of screws removed, insert round plastic washer and screw with new elongated screws. Do not tighten screws.

( 1) Plastic washer with new screw



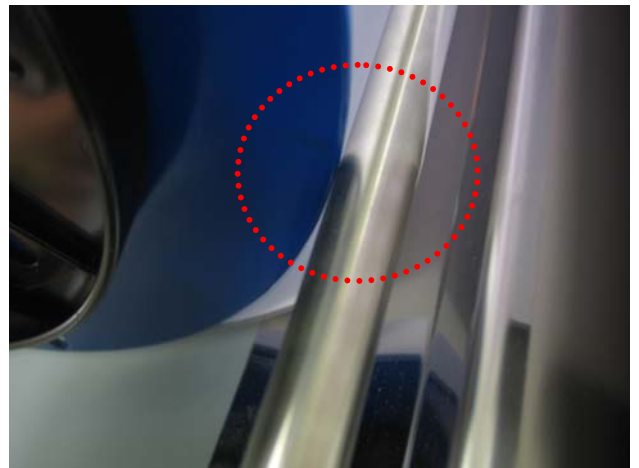
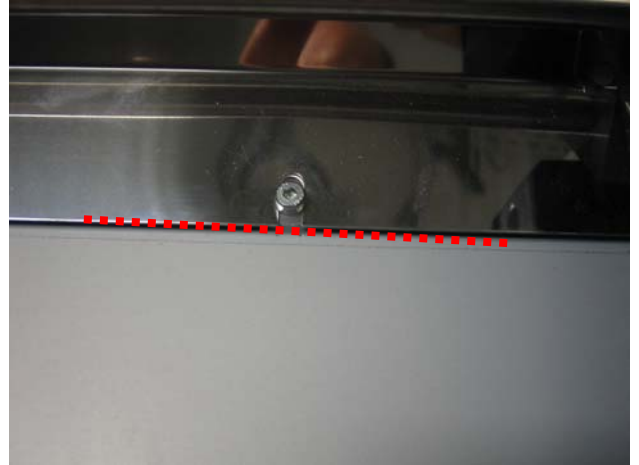
13.)

Insert the Anti-curling device tighten it with new screws.

(1) Anti-curling device



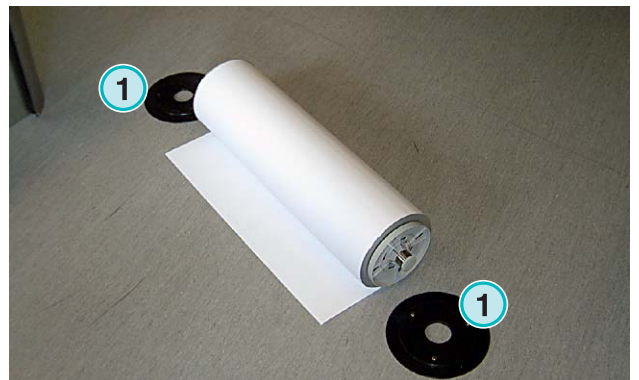
Check the position of the AntiCurling device. When the bar is in the lowest position, it should not touch the blue paper roll side holders.

**14.)**

Insert the 6" media side guides onto the roll media spindle. Load the roll media paper edge coming under the spindle and towards you.

**(VERY IMPORTANT!)**

(1) 6" side guides



**15.)**

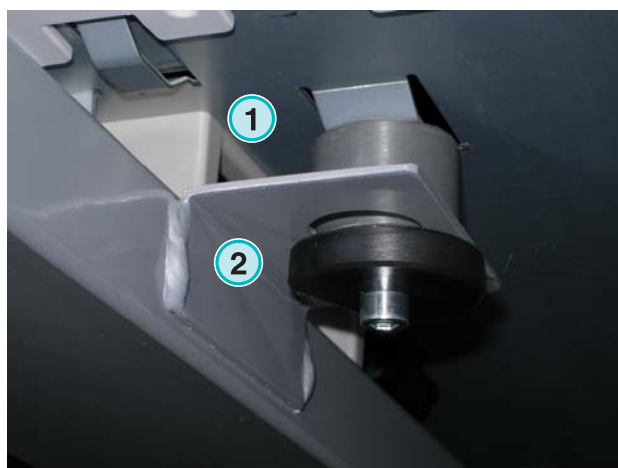
Position the Bottom Epson Printer on the bottom shelf with the threaded hole underneath the printer aligned over the shelf hole. Take the printer locking device (large plastic spacer, thin plastic washer and long screw). Insert the plastic spacer in between the printer and the shelf and align it in centre to the shelf hole and the printer hole. Insert the long screw into the thin plastic washer and screw it from underneath the shelf.

(1) Large plastic washer

(2) Thin plastic washer

**Caution:**

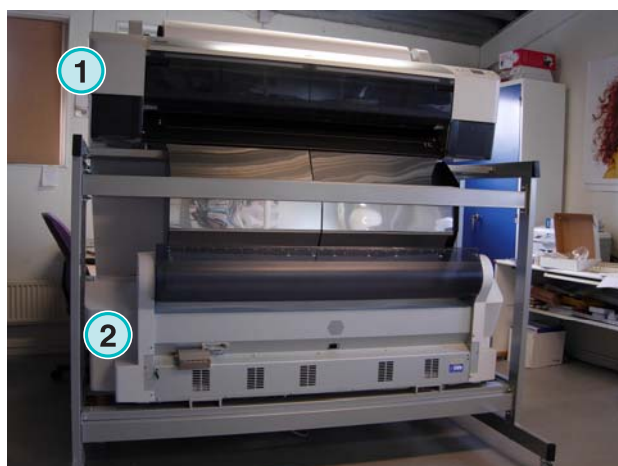
**Do not leave the printer on the stand without securing it with the printer locking device!**

**16.)**

Position the Top Epson Printer on the top shelf with the threaded hole underneath the printer aligned over the shelf hole. Take the printer locking device (large plastic spacer, thin plastic washer and long screw). Insert the plastic spacer in between the printer and the shelf and align it in centre to the shelf hole and the printer hole. Insert the long screw into the thin plastic washer and screw it from underneath the shelf.

**Caution:**

**Do not leave the printer on the stand without securing it with the printer locking device!**



(1) Top Printer

(2) Bottom Printer

## 17.)

Load the paper media through the anti-curling bar. Feed paper through the metal rod and around the metal plate and into the Epson printer slot.

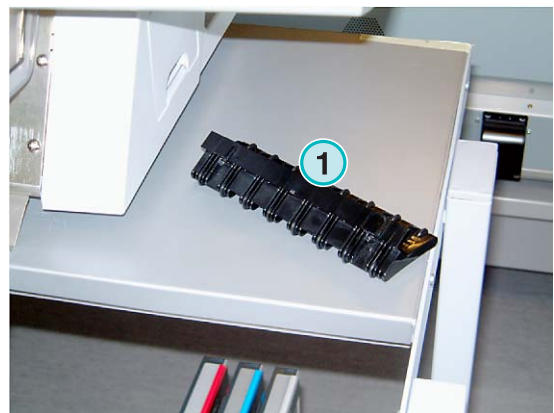
- (1) Metal rod
- (2) Metal plate



## 18.)

Unsnap the black plastic guides inside **BOTH** the Epson machines (5 or 7 pieces in each machine).

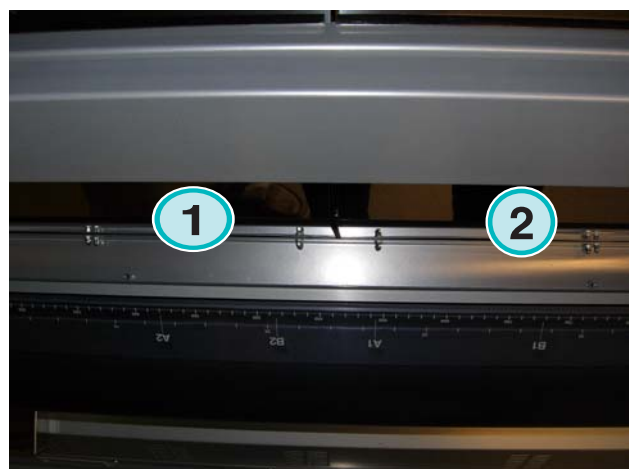
- (1) Plastic Guide



## 19.)

In the lower printer, remove the 2 of 5 screws (second screw from the left and second screw from the right) in the lower row of screws. This lower row of screws hold the cover plate for the electronics compartment. Screw 2 protruding screws in each hole and tighten them with the attached nut.

- (1) Remove 2 Top screws



20.)

Insert the curver in between the upper printer and the upper cross beam until the bottom plate holes of the curver rest on the 2 protruding screws

(1) Side cover of Curver



21.)

Switch off the bottom printer and remove the Power cord. Push the panel down at the position of the arrows.



22.)

Take off the ink cartridge holder.

(1) 2 screws on the top

(2) 1 screw to take off the blue ink lever handle



23.)

Take off the grey paper level handle.

(1) 1 screw



24.)

Take off the maintenance tank and remove the plastic cap.

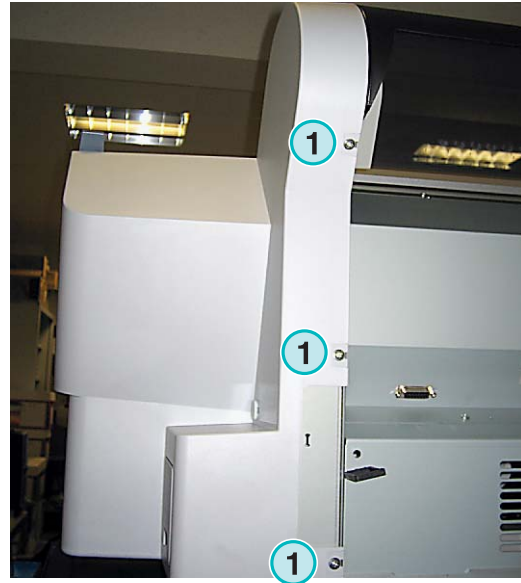
(1) One screw behind the plastic cap



25.)

On the back, take off the screws.

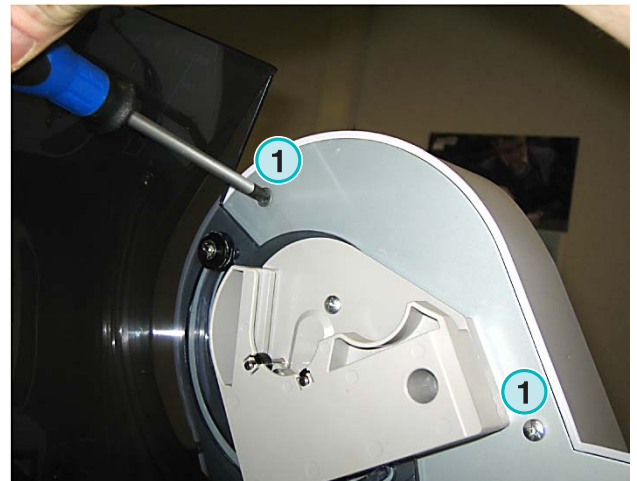
(1) three screws



26.)

On the upper inner side, take off the screws.

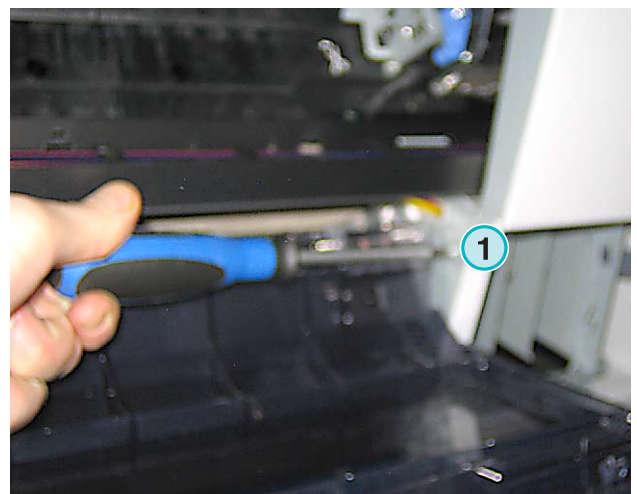
(1) Two screws



27.)

On the lower inner side, take off the screw.

(1) One screw



28.)

Remove the top screws on the back cover of the lower printer.

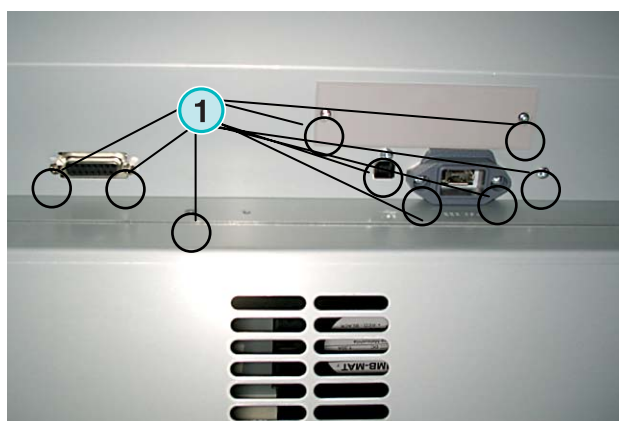
(1) Top screws



29.)

Remove screws on the back.

(1) screws on the back



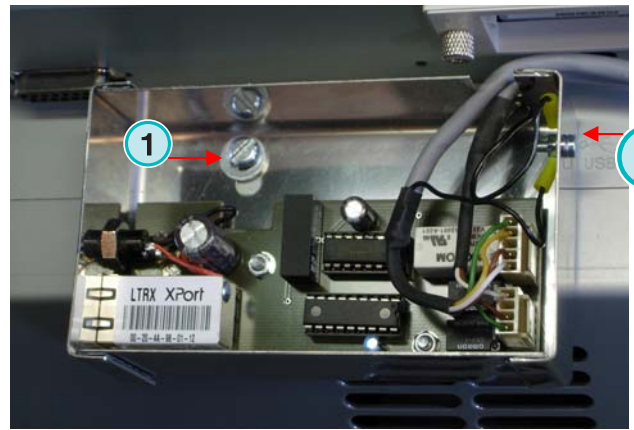
Remove the Firewire connector case from the backplate. Feed the keypad and motor cables through the open gap of the firewire connector.

(1) Firewire gap



30.) 29.)

- (1) Secure the interface box with the screw.
- (2) screw the ground wire.



Turn the keypad upside down and remove the grey metal cover. Solder the 3 wires to the respective positions.

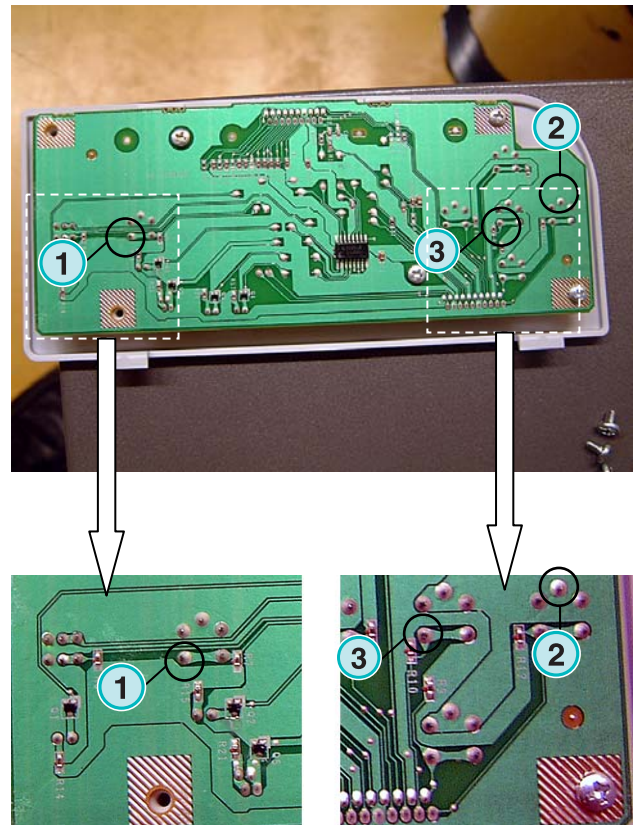
- (1) White for Pause
- (2) Green for Ground
- (3) Brown for Enter

**Note**

Before soldering, check the wires with the layout shown in step 33.

31.)

Feed the cable down so that it does not interfere with the motor and the motor belt.



32.)

Connect the keypad cable (4 pin plug) to the Interface Box.

33.)

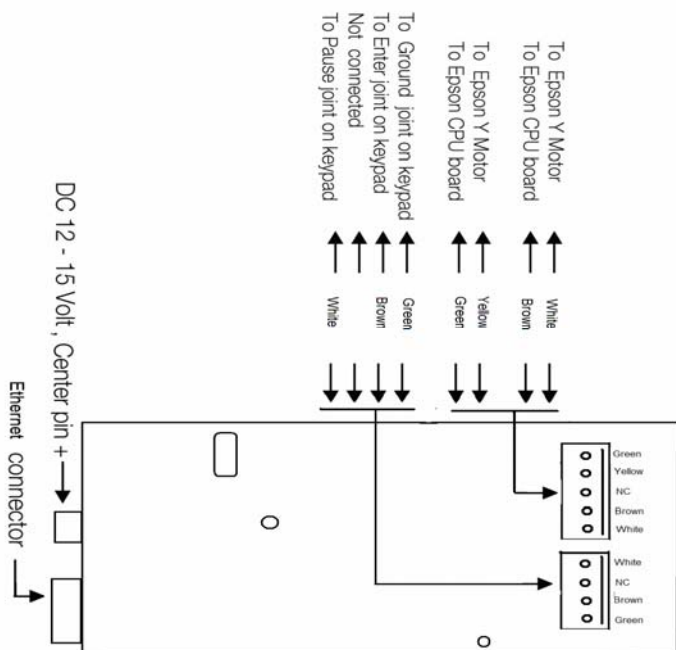
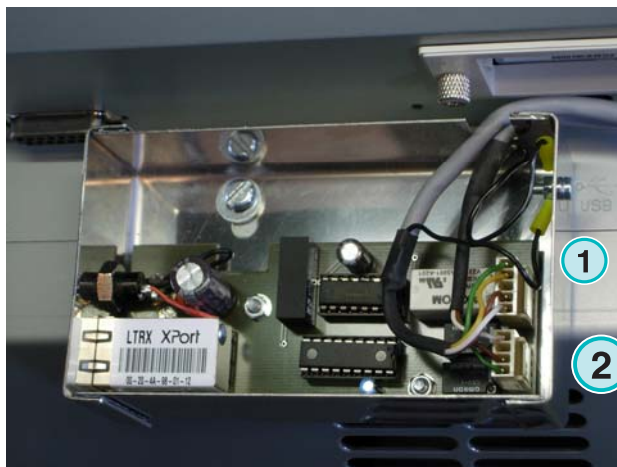
Connect the Y-Motor cable (5 pin plug). The wires should look as shown.

- (1) 5 pin plug
- (2) 4 pin plug

34.)

Reclip the keypad very carefully.

35.)



**36.)**

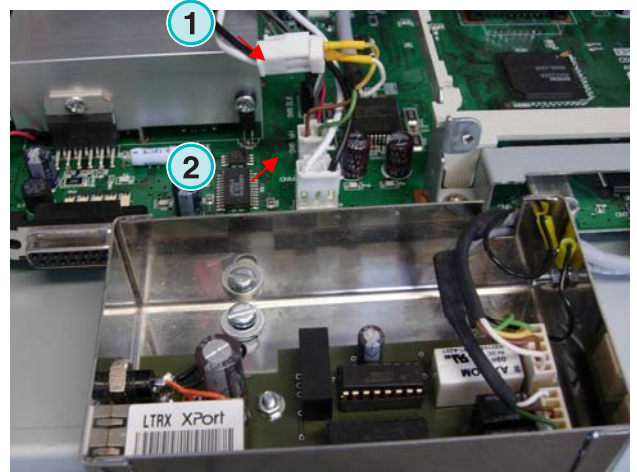
Disconnect the Y-Motor connector with 2 pins on the Epson CPU Board and reconnect female connector of the cable to the male connector on the CPU Board.

(1) Y-Motor connector with 2 pins

**37.)**

Connect the 2 wire Male connector to the Y-Motor female connector.

(2) 2 wire male connector to Y-Motor female connector.

**38.)**

Route the cables for the lower printer through the cable channel as shown.

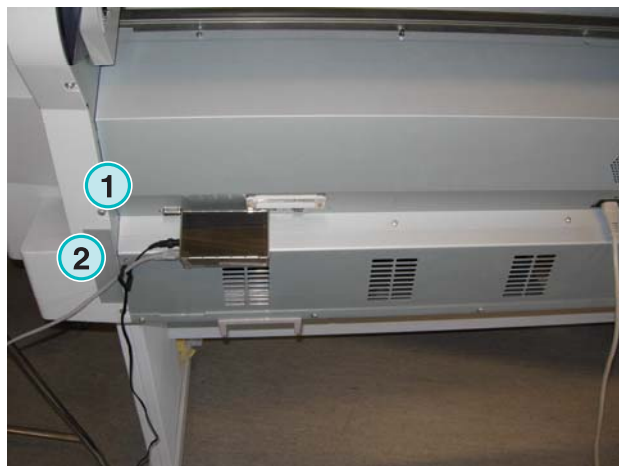
**39.)**

Route the cables for the Lower printer through the cable channel .

### 40.)

Connect the 9 pin ethernet cable to the connector on the Interface Box.

- (1) Connect to Power Supply
- (2) Ethernet Cable



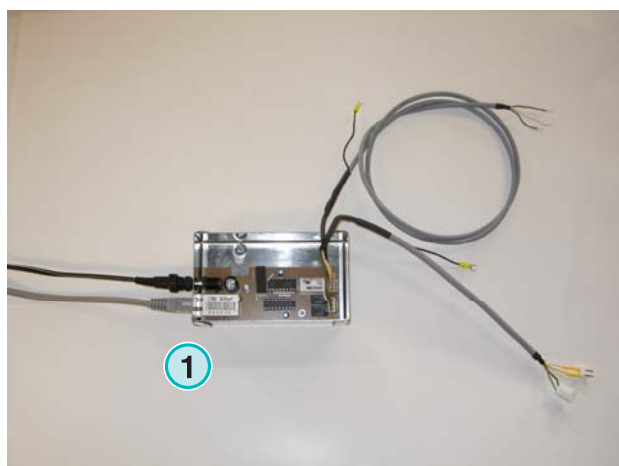
### 41.)

Attach Ethernet cable from the PC to the Epson interface Box.

### 42.)

Connect the Power Supply cable. Minimum of 12 V supply is required for the interface box to work. The power supply should be able to deliver minimum of 1.5A.

(1) The green lamp on the Ethernet connector will be lit.



### 43.)

Align both the printers by un-tightening the screws and moving the printers in both X and Y directions. Tighten the screws on the locking devices in order to fix the printers.

### 44.)

Attach the power cords to both the printers.

### 45.)

Attach the USB or network cables.

46.)

Switch on both the printers.

47.)

The assembled machines:

Front view



Back view





## 5 Function test

Before installing and configuring the software components, test the system like:

- 1) Go through the sw installation check list from the document “Quick Start SW for Preproofer ACAPULCO x400 x800 english.pdf” to correctly install the necessary programs for the shufflebox. Start the sw EPS100605.
- 2) **PRINTER FRONT** Set on the control panel to “Roll paper cut”
- 3) **PRINTER BACK** Set on the control panel the paper to “Sheet”
- 4) **PRINTER FRONT** Load the 6” paper roll on the top printer
- 5) **PRINTER FRONT** On the control panel, press the paper feed button to forward about 60 cm paper.
- 6) **PRINTER FRONT** Press the button paper cut.
- 7) Paper should fall into **PRINTER BACK**. On the display the message “**Press PAUSE button**” comes up. The paper indicator, a **RED LED**, goes off.
- 8) **Software EPS100605** Press the button **PAUSE**. The paper starts to shuffle (goes up and down 4 times). After the shuffling process, the paper is automatically loaded into the printer. On the display of **PRINTER BACK** the message “**READY**” comes up.
- 9) **PRINTER BACK** Press the paper feed forward button. The paper is transported out. At the end, the message “**Paper out**” is displayed at the control panel
- 10) **Software EPS100605** Press the button **ENTER**. The sheet paper is released and falls into the bin.

**If steps 1 to 10 are successful, continue with the software installation**