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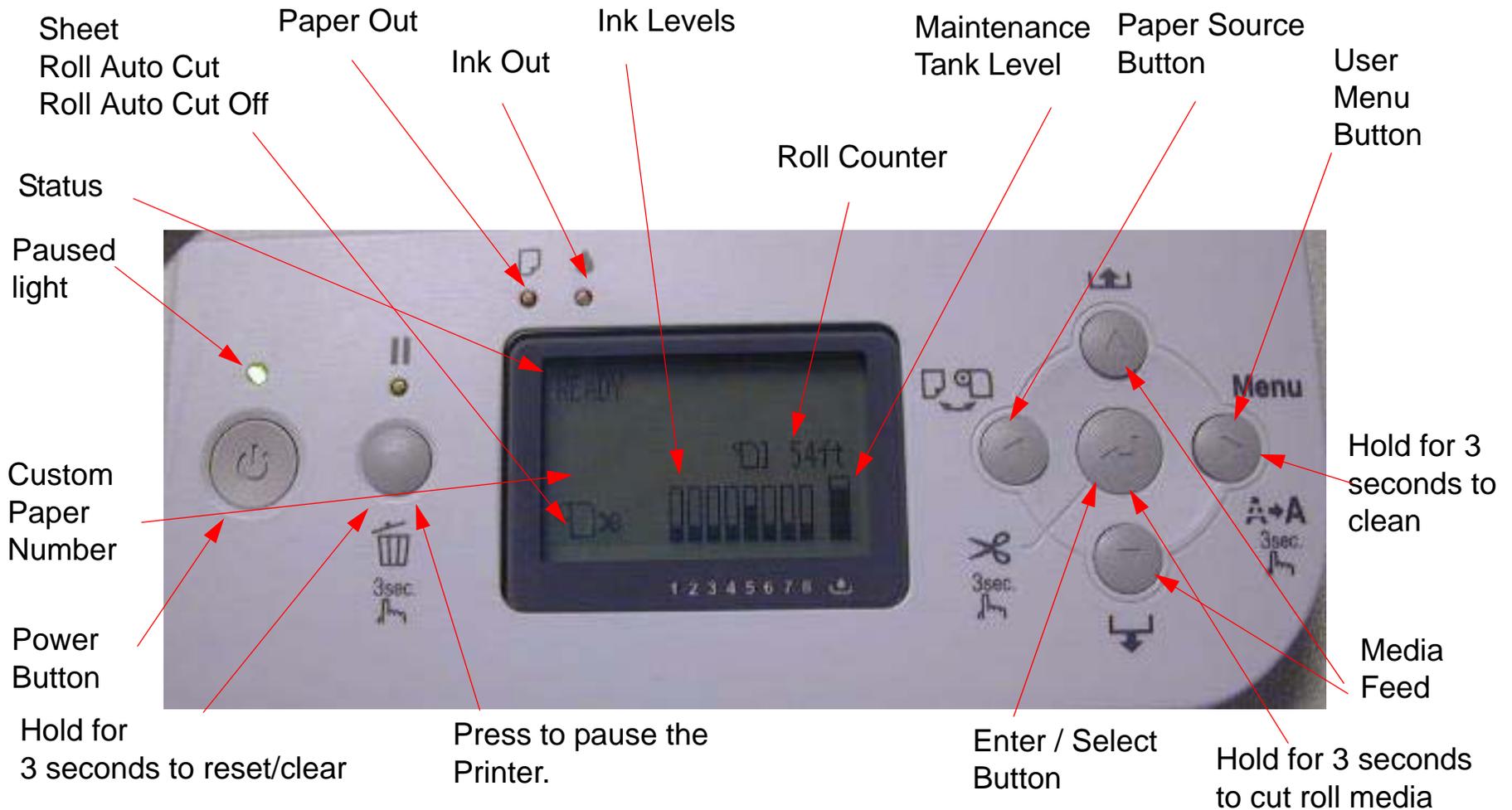
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Control Panel Map



SERVICEMAN MODE: Down, Right, Pause, at power on.

SELF TESTING: Down, Right, Enter, at power on.

F/W DOWNLOAD MODE: Up, Down, Left, Right, at power on.

Maintenance Mode 1: Pause, at power on.

User Menu: Press the **Menu** button when the printer displays **Ready**

1. PRINTER SETUP.

ROLL PAPER COUNTER: 15ft - 300ft

PLATEN GAP: *STANDARD, NARROW, WIDE, WIDER, WIDEST

PAGE LINE: *ON, OFF

INTERFACE: *AUTO, USB, NETWORK

CODE PAGE: *PC437, PC850,

ROLL PAPER MARGIN: *DEFAULT, TOP/BOTTOM 15mm, TOP 35/BOTTOM 15mm, 15mm, 3mm

PAPER SIZE CHK: *ON, OFF

PAPER SKEW CHECK: *ON, OFF

TIME OUT: *OFF, 30SEC, 60SEC, 180SEC, 300SEC

CUTTER ADJUSTMENT: EXEC

REFRESH MARGIN: *ON, OFF

AUTO NOZZLE CHECK: *OFF, ON

AUTO CLEANING: *ON, OFF

QUIET CUT: *OFF, ON

INITIALIZE SETTINGS: EXEC

2. TEST PRINT.

NOZZLE CHECK: PRINT

NETWORK STATUS SHEET: PRINT

STATUS SHEET: PRINT

JOB INFORMATION: PRINT

CUSTOM PAPER: PRINT

3. PRINTER STATUS.

VERSION: (CURRENT FIRMWARE)

PRINTABLE PAGES: (FOR EACH COLOR)
(nnnnnn)PAGES

INK LEVEL: (FOR EACH COLOR) E*****F

MAINTENANCE TANK: L E*****F, R E*****F

USAGE COUNT: INK (nnnn.n)ML, PAPER (nnnn.n)FT

CLEAR USAGE COUNT: INK:EXEC PAPER:EXEC

JOB HISTORY: NO.(n) INK:(n)ml, PAPER:(nnn)sqft

TOTAL PRINTS: (n) PAGES

SERVICE LIFE: CUTTER, CR MOTOR, PF MOTOR, HEAD UNIT, CLEANING UNIT, PRESSURE MOTOR (E*****F)

4. CUSTOM PAPER.

PAPER NUMBER: *STANDARD, NO. (1-10)

PLATEN GAP: NARROW, STANDARD, WIDE, WIDER

THICKNESS PATTERN: PRINT

CUT METHOD: *STANDARD, THIN PAPER, THICK PAPER FAST, THICK PAPER SLOW

PAPER FEED ADJUST: (n.nn)%

DRYING TIME: (n.n)sec

PAPER SUCTION: *STANDARD, -1, -2, -3, -4

M/W ADJ: *STANDARD, 1, 2

5. MAINTENANCE

CUTTER REPLACEMENT: EXEC

BK Ink Change: EXEC (For Changing between Matte and Photo Black)

POWER CLEANING: "YOU MUST MOVE INK LEVERS WHEN CLEANING", EXECUTE, CANCEL (102ml)

CLOCK SETTING: (mm/dd/yy hh:mm)

CONTRAST ADJUSTMENT: (nn)

6. Head Alignment.

PAPER THICKNESS: *STANDARD, (n.n)mm

ALIGNMENT: AUTO (UNI-D, BI-D 2-COLOR, BI-D All, BI-D #1, BI-D #2, BI-D #3)

MANUAL (UNI-D, BI-D 2-COLOR, BI-D All,)

7. NETWORK SETUP: (*DISABLE, ENABLE)
IP ADDRESS SETTING: AUTO, PANEL,
BONJOUR: *ON, OFF
INIT NETWORK SETTING: EXECUTE

Parameter Backup and Restore Mode

Release the *Paper Lever*, lift *2 Ink Levers*, remove the *Maintenance Tank*, hold the **Down**, **Right**, and **Pause** buttons and turn on the *Printer*.

Note: *If the backup procedure fails, try re-booting the Printer and letting it come Ready. Then try the backup / restore procedure.*

F/W Download Mode

Hold the **Up**, **Down**, **Left**, and **Right** buttons and turn on the power.

Maintenance Mode 1: Press and hold the **Pause** button and turn on the Printer.

HEX DUMP: PRINT EXEC (In this mode, the printer prints hexadecimal values received)

LANGUAGE: *ENGLISH, FRENCH, ITALIAN, GERMAN, SPANISH, PORTUGUE, DUTCH (Panel Language)

REMAINING PPR SETUP: *ROLL, OFF (Roll enables the ROLL PAPER COUNTER)

UNIT: *FEET/INCH, METER (Set's the unit of measure that the printer displays)

CUT PRESSURE: *100% (0%-150%) (Adjusts the Paper Cutter pressure)

SS CLEANING: EXEC (Super Strong Cleaning)(255 time limit without replacing print head and resetting life counter)

PWR ON ROLL PPR FEED: *ON, OFF (On = Feeds the paper 3" lower, when auto cut is off)

(Off = Does not feed the paper 3" lower, when auto cut is off)

DEFAULT PANEL: EXEC (Resets to Factory Default the following User Menus: **Printer Setup, Printer Status, Custom Paper, Head Alignment**)

INK INFO MENU: (FOR EACH COLOR) MANUFACTURER, COLOR, INK TYPE, INK CAPACITY, INK LEVEL, PRODUCTION DATE, EXPIRATION DATE, INK LIFE, INK AGE (CSIC information, for each ink cartridge)

Custom:*0 (0 - 9)

SERVICEMAN MODE: Press and hold the **Down**, **Right**, and **Pause** buttons, and turn on the Printer

Note: *SERVICEMAN MODE turns on the USB Port even if there is an error condition.*

Note: *SERVICEMAN MODE must be displayed on the LCD to turn on the USB Port.*

SELF TESTING:

Test:

Version: F/W: T(N or W)(nnnnnnnn.nn.nnnn) (Displays the current firmware version)

Panel: Key, LCD, LED (Button, LCD, and LED tests for the control panel)

Sensor: CR Origin: On, Off (Carriage Home Position Sensor test)

Paper: 00, 01,10,11 (Paper Thickness Sensor test)

Lever: Down, Up (Paper Release Sensor test)

HeadSlide: On, Off (Platen Gap Home Position Sensor test)

Pump: On, Off (Pump Home Position Sensor test)

InkLvr: Down/Down, Up/Down, Down/Up, UP/Up (Right and Left Ink Lever Sensor test)

Cover: Close, Open (Cover Sensor test)

MainteTank: On, ON (CSIC Contact Test)

- INK NOT:** 1,2,3,4,5,6,7,8 (Ink Cartridge Sensor test for 8 Ink Bays)
- EdgeAD:** (nnn nnn) (Paper Edge Sensor test)
- Edge2AD:** (nnn nnn) (Ink Mark Sensor Test)
- RearAD:** (nnn nnn) (Rear Paper Sensor test)
- Head Temp:** (nn)C (Displays the current Print Head temperature in degrees centigrade)
- Drv. Temp:** (nn)C (Displays the current Print Head Driver temperature in degrees centigrade)
- Ink Press:** Off, On (Pressure Sensor test)
- Take Up:** **(9880 Only)** (Tests the absence, or presence of the Optional Take Up Reel)
- Encoder: CR** (nnnn) (Carriage Encoder test. Counts up, moving away from home position)
- PF** (nnnn) (Paper Feed Encoder test. Counts up, as the paper advances.)
- Fan: Paper(ALL):** (Fan test for all paper suction fans)
- Paper(Duty):** (200% - 0%) (Tests the fan suction for all paper suction fans)
- Paper1:** (Fan test for paper suction fan #1 (Right Side Fan))
- Paper2:** (Fan test for paper suction fan #2 (Left Side Fan (Center Fan on 9800)))
- Paper3:** (9880 only)(Fan test for paper suction fan #3 (Left Side Fan))
- Head Drv:** (Fan test for the Head Driver Cooling Fan)
- Elec.: Maintenance: WasteInk:** (Right Side Maintenance Tank Counter)
- WasteInk2:** **(9880 Only)**(Left Side Maintenance Tank Counter)
- Wiper:** (Wiping Counter)
- Rubbing:** (Rubbing Counter)
- Lever:** (Paper Release Lever Counter)
- Cover:** (Cover Sensor Counter)
- Ink Lever:** (Left and Right Ink Lever Counter)
- Cr Motor:** (Carriage Motor Usage Counter)
- PF Motor:** (Paper Feed Motor Usage Counter)
- PrintNumber:** (Number of printed pages)
- Cleaning:** (Cleaning Operations Counter)
- Fire A:** (Light Light Black Nozzle Array Counter)
- Fire B:** (Light Magenta Nozzle Array Counter)
- Fire C:** (Light Cyan Nozzle Array Counter)

Fire D: (Light Black Nozzle Array Counter)

Fire E: (Photo/Matte Black Nozzle Array Counter)

Fire F: (Cyan Black Nozzle Array Counter)

Fire G: (Magenta Nozzle Array Counter)

Fire H: (Yellow Nozzle Array Counter)

Cut: (Paper Cutting Operations Counter)

Cute Sole: (Cutter Solenoid Counter)

Error: Error (0 - 6) (Displays the last 7 errors)

Cut Adj: Cutter: 55%

Actuator2: Cutter Sol: [Enter], Start (Tests the Cutter Solenoid)

Pump Motor: [Enter], Start (Tests the Cutter Solenoid)

Regulator Sol: [Enter], Start (Tests the Ink System Pressure Release Solenoid)

Ink Press Motor: [Enter], Start (Ink System Pressure Motor)

Edge Sns Lvl: [Enter], Start (Sets the black level of the Edge Detector)

Auto Gap Adj: Auto Uni-D: [Enter] Print (Performs and Auto Uni-D Adjustment)

Auto Bi_d PG1.6: [Enter] Print (Performs and Auto Bi-D for Platen Gap 1.6 (WIDE))

Auto Bi_d PG0.8: [Enter] Print (Performs and Auto Bi-D for Platen Gap 0.8 (NARROW))

Adjustment:

Fan: Paper(ALL)(Runs all Suction Fans), Fan Adjust *0% (-10% to +10%) (Adjusts Suction Fans)

Paper: 00, 01, 10, 11(Displays the output from the Paper Thickness Sensors)

RearAD: [Enter], Start: Exc.: **RearAD:** (nnn nnn nnn) (For adjusting the Rear Paper Sensor)

Check Nozzle: [Enter] Print: (Service nozzle check, displays Firmware Version, displays Head Rank)

Cutter: [Enter], Start:(Cut position check)

IM Sensor: (Adjusts sensitivity of the Edge Detector Sensor and the Ink Mark Sensor)

PlatenPos: (n.n)mm(Calibrates the Borderless Pad Positions)

PlatenPos.Chk.: (Checks the Borderless Pad Position calibration)

Rear Sens.Pos: (Calibrates the EOF position for cut sheet media)

CR Head Slant: (Performs the CR Head Slant adjustment)

PF Head Slant: PF Head BiD Adj (Pk or MK Bi-D adjustment), PF Head Slant (PF Head Slant adjustment)

Gap Adj: All, Uni-D, Bi-D PG1.6,Bi-D PG0.8, (Manual Bi-D and Uni-D)

Gap Adj: VSD1C: Print (Manual Bi-D and Uni-D PG 1.2)

Check Skew: (n.n)mm (Default 1.0) (Used for testing and setting the amount of allowable skew)

Feed Adj.+T&B: (Performs the 980mm, Top and Bottom Margin adjustments)

IM Thresh: IM PosAdj, IM Loss Pattern, IM Full Pattern (Calibrates the IM Sensor for Auto Nozzle Check)

Adj. Variable: [Enter] Print (Prints the numeric adjustment variables currently set)

Pump Cnt: NG(?)

VIEW COUNTERS:

CUTTER: (Count for the Cutter Blade)

CUTTER TOTAL: (Count for the Cutter Assembly)

TOTAL PAGES: (Page count for the Printer)

CR MOTOR: (Count for the Carriage Motor)

CR TOTAL: (Count for the Carriage Mechanism)

PF MOTOR: (Count for the Paper Feed Motor)

PRESSURE MOTOR: (Count for the Pressure Motor)

NOZZLE A: (Light Light Black Nozzle Array Counter)

NOZZLE B: (Light Magenta Nozzle Array Counter)

NOZZLE C: (Light Cyan Nozzle Array Counter)

NOZZLE D: (Light Black Nozzle Array Counter)

NOZZLE E: (Photo/Matte Black Nozzle Array Counter)

NOZZLE F: (Cyan Black Nozzle Array Counter)

NOZZLE G: (Magenta Nozzle Array Counter)

NOZZLE H: (Yellow Nozzle Array Counter)

FL BOX: (Count for the Flushing Box)

CLEANER: (Count for the Pump and Cap Assembly)

SPONGE: (?)

PG: (Count for the Platen Gap Assembly)

MAINT INFO:

MENU E: E1 - E17 (?)

MENU R: R1 - R9 (?)

MENU S: S1 - S26 (?)
MENU A: A1 - A32 (?)
MENU B: B1 - B48 (?)
MENU P: P1 - P46 (?)
MENU M: M1 - M26 (?)
MENU O: 01 - 026 (?)
MENU F: F1- F20 (?)
MENU N: N1 - N22 (?)

SELF TESTING: Press and hold the **Down**, **Right**, and **Enter** buttons and turn on the Printer.

Test:

Version: F/W: T(N or W)(nnnnnnnn.nn.nnnn) (Displays the current firmware version)
Panel: Key, LCD, LED (Button, LCD, and LED tests for the control panel)
Sensor: CR Origin: On, Off (Carriage Home Position Sensor test)
Paper: 00, 01,10,11 (Paper Thickness Sensor test)
Lever: Down, Up (Paper Release Sensor test)
HeadSlide: On, Off (Platen Gap Home Position Sensor test)
Pump: On, Off (Pump Home Position Sensor test)
InkLvr: Down/Down, Up/Down, Down/Up, UP/Up (Right and Left Ink Lever Sensor test)
Cover: Close, Open (Cover Sensor test)
MainteTank: On, Off (CSIC Contact Test)
INK NOT: 1,2,3,4,5,6,7,8 (Ink Cartridge Sensor test for 8 Ink Bays)
EdgeAD: (nnn nnn) (Paper Edge Sensor test)
Edge2AD: (nnn nnn) (Ink Mark Sensor Test)
RearAD: (nnn nnn) (Rear Paper Sensor test)
Head Temp: (nn)C (Displays the current Print Head temperature in degrees centigrade)
Drv. Temp: (nn)C (Displays the current Print Head Driver temperature in degrees centigrade)
Ink Press: Off, On (Pressure Sensor test)
Take Up: (9800 Only) (Tests the absence, or presence of the Optional Take Up Reel)
Encoder: CR (nnnn) (Carriage Encoder test. Counts up, left to right)

- PF (nnnn)** (Paper Feed Encoder test. Counts up, as the paper advances.)
- Fan: Paper(ALL):** (Fan test for all paper suction fans)
- Paper(Duty):** (200% - 0%) (Tests the fan suction for all paper suction fans)
- Paper1:** (Fan test for paper suction fan #1 (Right Side Fan))
- Paper2:** (Fan test for paper suction fan #2 (Left Side Fan (Center Fan on 9800)))
- Paper3:** (9800 only)(Fan test for paper suction fan #3 (Left Side Fan))
- Head Drv:** (Fan test for the Head Driver Cooling Fan)
- Elec.: Maintenance: WasteInk:** (Right Side Maintenance Tank Counter)
- WasteInk2: (9880 Only)**(Left Side Maintenance Tank Counter)
- Wiper:** (Wiping Counter)
- Rubbing:** (Rubbing Counter)
- Lever:** (Paper Release Lever Counter)
- Cover:** (Cover Sensor Counter)
- Ink Lever:** (Left and Right Ink Lever Counter)
- Cr Motor:** (Carriage Motor Usage Counter)
- PF Motor:** (Paper Feed Motor Usage Counter)
- PrintNumber:** (Number of printed pages)
- Cleaning:** (Cleaning Operations Counter)
- Fire A:** (Light Light Black Nozzle Array Counter)
- Fire B:** (Light Magenta Nozzle Array Counter)
- Fire C:** (Light Cyan Nozzle Array Counter)
- Fire D:** (Light Black Nozzle Array Counter)
- Fire E:** (Photo/Matte Black Nozzle Array Counter)
- Fire F:** (Cyan Black Nozzle Array Counter)
- Fire G:** (Magenta Nozzle Array Counter)
- Fire H:** (Yellow Nozzle Array Counter)
- Cut:** (Paper Cutting Operations Counter)
- Cute Sole:** (Cutter Solenoid Counter)
- Error:** Error(0 - 6) (Displays the last 7 errors)
- CSIC:** Slot (1 - 8), Maintenance Tank (?)

Cut Adj: Cutter: 55%

Actuator2: Cutter Sol: [Enter], Start (Tests the Cutter Solenoid)

Pump Motor: [Enter], Start (Tests the Cutter Solenoid)

Regulator Sol: [Enter], Start (Tests the Ink System Pressure Release Solenoid)

Ink Press Motor: [Enter], Start (Ink System Pressure Motor)

Edge Sns Lvl: [Enter], Start (Sets the black level of the Edge Detector)

Auto Gap Adj: Auto Uni-D: [Enter] Print (Performs the Auto Uni-D Adjustment)

Auto Bi_d PG1.6: [Enter] Print (Performs the Auto Bi-D for Platen Gap 1.6 (WIDE))

Auto Bi_d PG0.8: [Enter] Print (Performs the Auto Bi-D for Platen Gap 0.8 (NARROW))

Adjustment:

Input HeadRank: (Does not function)

Fan: Paper(ALL)(Runs all Suction Fans), Fan Adjust *0% (-10% to +10%) (Adjusts Suction Fans)

Paper: 00, 01, 10, 11(Displays the output from the Paper Thickness Sensors)

Rear AD: [Enter], Start: Exc.: RearAD: (nnn nnn nnn) (For adjusting the Rear Paper Sensor)

Init.Fill: (Starts an initial fill)

Check Nozzle: [Enter] Print: (Service nozzle check, displays Firmware Version, displays Head Rank)

Cutter: (Cut position check)

IM Sensor: (Adjusts sensitivity of the Edge Detector Sensor)

PlatenPos: (n.n)mm(Calibrates the Borderless Pad Positions)

PlatenPos.Chk.: (Checks the Borderless Pad Position calibration)

Rear Sens.Pos: (Calibrates the EOF position for cut sheet media)

CR Head Slant: (Performs the CR Head Slant adjustment)

PF Head Slant: PF Head Slant (PF Head Slant adjustment), PF Head BiD Adj (Pk or MK Bi-D adjustment)

Gap Adj: All, Uni-D, Bi-D PG1.6,Bi-D PG0.8, (Manual Bi-D and Uni-D)

Gap Adj: VSD1C: Print (Manual Bi-D and Uni-D PG 1.2)

Check Skew: (n.n)mm (Default 1.0) (Used for testing and setting the amount of allowable skew)

Feed Adj.+T&B: (Performs the 980mm, Top and Bottom Margin adjustments)

IM Thresh: IM PosAdj, IM Full Pattern, IM Loss Pattern (Calibrates the IM Sensor for Auto Nozzle Check)

Adj. Variable: [Enter] Print (Prints the numeric adjustment variables currently set)

Clean Head: (Evacuates the ink system)

Pump Cnt: NG(?)

Counter Clear: (Clears a variety of counters)(Do not use)

Cleaning:

Std. CL1 (5.3ml)

Std. CL2 (6.3ml)

Std. CL3 (10.4ml)

Std. CL6 (?)

Init.Fill

Parameter:

Initialize:

All: Initialize OK? (Resets all of the following counters at once)

PF Resolution: Initialize OK? (Resets this counter only)

Head Record: Initialize OK? (Resets this counter only)

Wiping Record: Initialize OK? (Resets this counter only)

Rab. Record: Initialize OK? (Resets this counter only)

Waste Record: Initialize OK? (Resets this counter only)

CRmot Record: Initialize OK? (Resets this counter only)

PFmot Record: Initialize OK? (Resets this counter only)

Lever Record: Initialize OK? (Resets this counter only)

Cover Record: Initialize OK? (Resets this counter only)

Ink Lever Record: Initialize OK? (Resets this counter only)

Cutter Record: Initialize OK? (Resets this counter only)

Cleaner Record: Initialize OK? (Resets this counter only)

Update: JM: Init. Fill: (Set, Reset) (Reset, turns off the initial fill)

InkParameter: Init. Fill: (Set, Reset) (Reset, turns off the initial fill)

HeadWash(?)

Mask Type: Dispersion, Regular (?)

PF BiD Adjust: (+/- n) (?)

Uni-D Trap: (On, Off) (?)

Display: Address: (nnnn)(Used for displaying data at specific RAM addresses)
Life: CR Motor (Carriage Motor Life Counter)
PF Motor (Paper Feed Motor Life Counter)
CR+PF Motor(Carriage and Paper Feed Motor Life Counter)
Cutter (Cutter Assembly Life Counter)
Head U/D (?)
Head Lock (Head Lock Assembly Life Counter)
Cleaning (Cleaning Unit Life Counter)
Print (Print Head Life Counter)
Total Life (?)
TotalLife2 (?)
CSIC (?)
Check (?)

Component Replacement

Board (Main) Removal

Note: 7880 Main Board Part # 2117093 (the part # is stamped on the board)

9880 Main Board Part # 2117078 (the part # is stamped on the board)

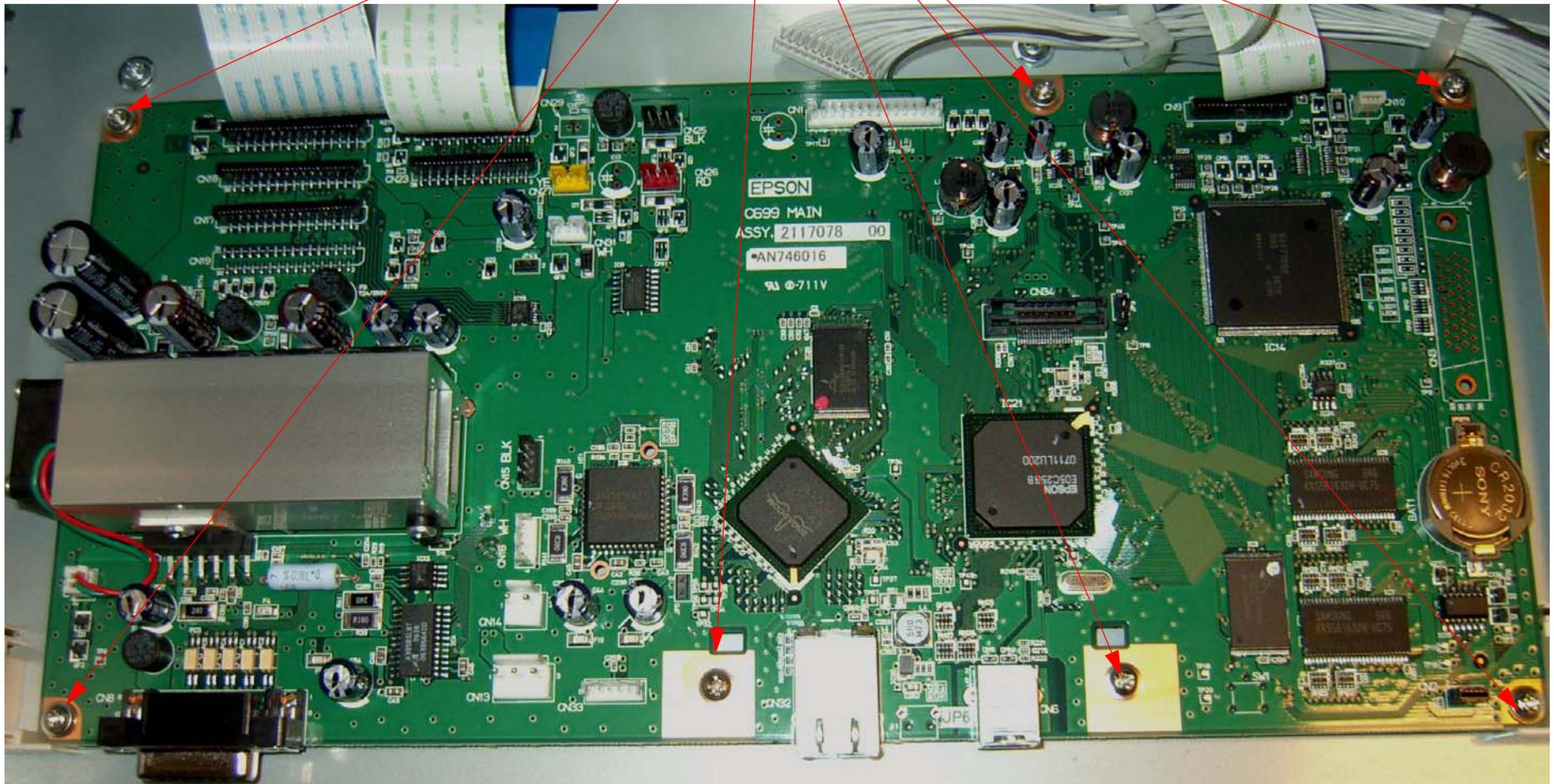
1. Back up the **Printer's** parameters using the Parameter Backup / Restore Utility (**Nvram.exe**)
Note: If the Printer's parameters can not be "backed up", print out the Print Head Calibration value (Head Rank). The Print Head Calibration value is printed on the Service Level Nozzle Check (ServiceMan Mode: Self Testing: Adjustment: Check Nozzle).
2. Turn off the **Printer** and **UNPLUG from AC.**
3. Remove the **Cover (Rear).**
4. Unplug the **Cables** that attach the **Main Board** to the **Printer.**



5. Remove **7 Screws**, and lift out the **Main Board**.



1. Remove **7 Screws**



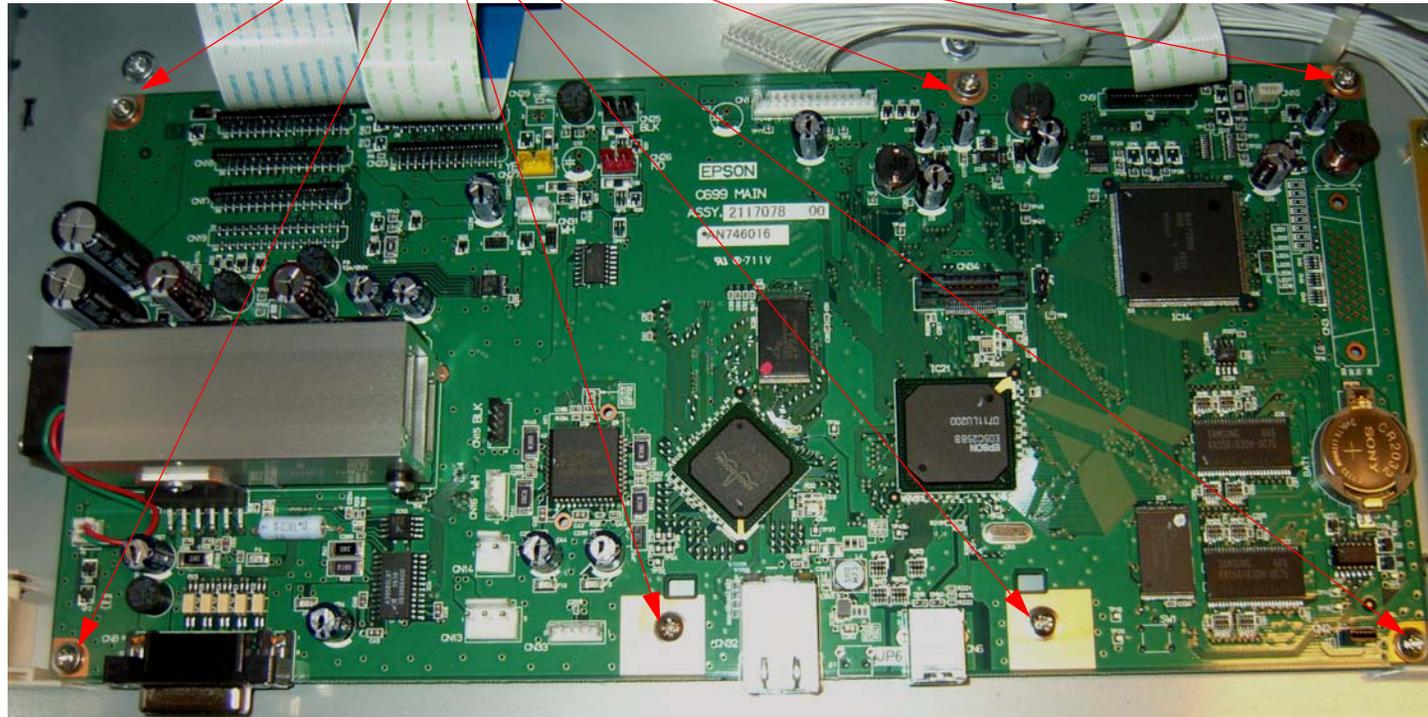
2. Lift out the **Main Board**.

Board (Main) Installation

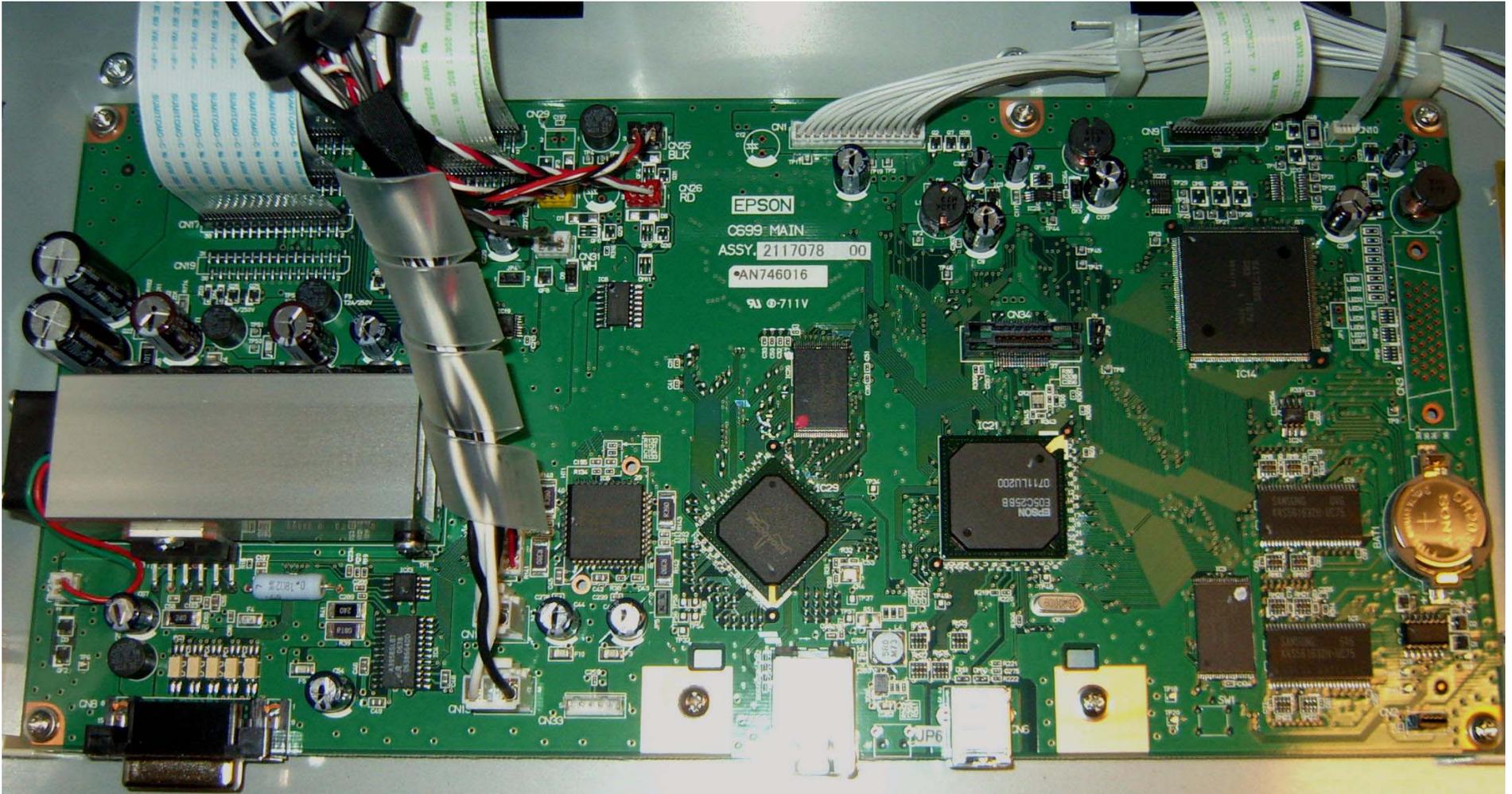
Note: 7880 Main Board Part # 2117093 (the part # is stamped on the board)

9880 Main Board Part # 2117078 (the part # is stamped on the board)

1. Compare the **New Main Board** to the **Old Main Board**. Verify that the **Components, Brackets,** and **Part Numbers** match.
2. Fasten the new **Board** to the **Housing** with **7 Screws** (see above).
 1. Drop In the **New Main Board**.
 2. Install **7 Screws**.



3. Connect the **Cables** to the **Board**. **Ensure that the Cables are fully seated (straight).**



4. Install the **Rear Cover**.
5. Plug in and turn on the **Printer** in Firmware Download Mode (depress the **Up**, **Down**, **Left**, and **Menu** buttons, and turn on the power to the **Printer**).
6. Download the latest Firmware following the directions found in the *Firmware Update Procedure Using FWUpdate.exe* chapter located in the Reference section of the Field Guide.

If the Printer's Parameters are not available skip step 7, and proceed with step 8.

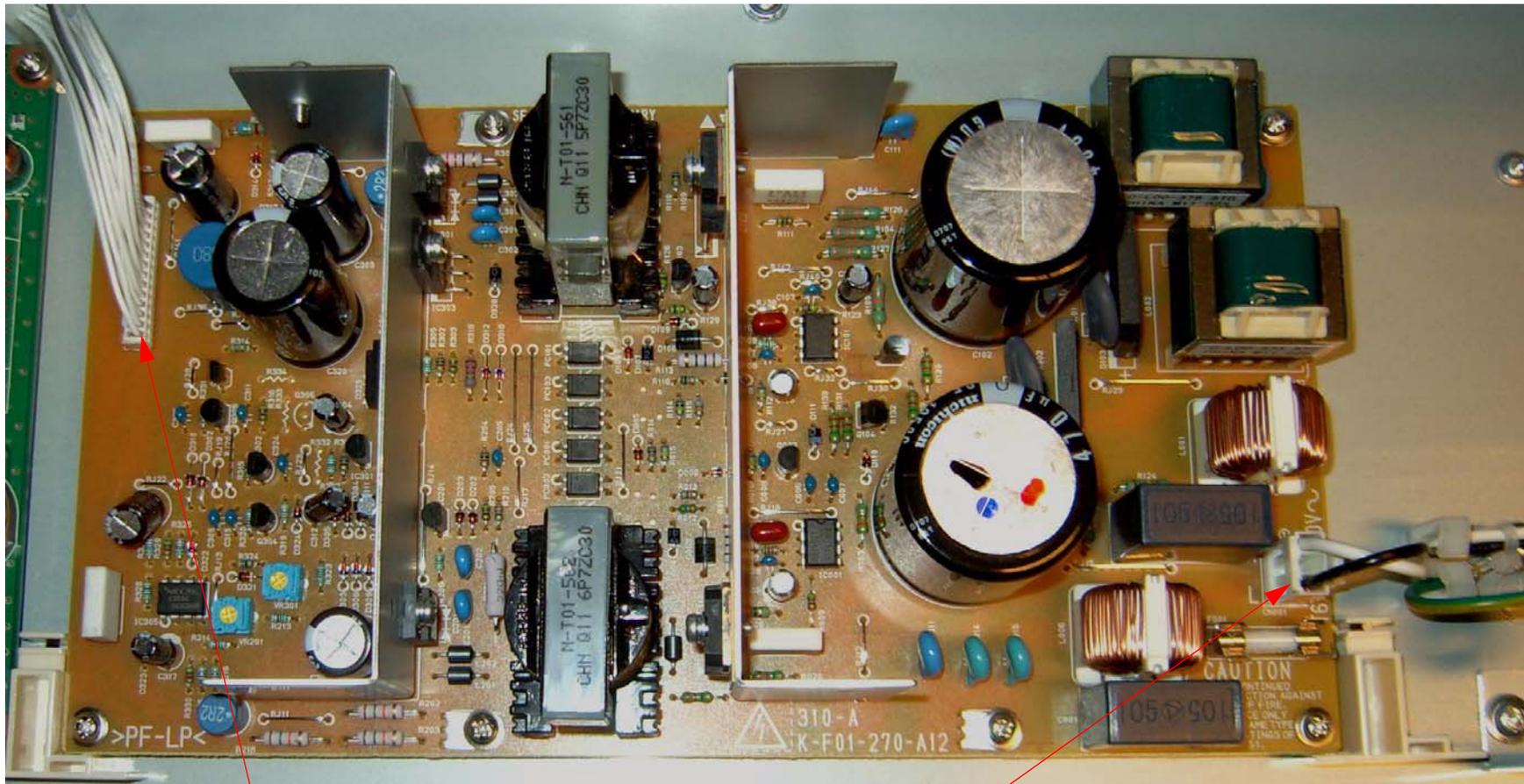
7. Re-Install the **Printer's** parameters using the Parameter Backup / Restore Utility (**Nvram.exe**)
 - 7.1 Perform the **RTC&USBID&IEEE1394ID Adjustment**.
 - 7.2 Perform the **Colorimetric Calibration** (*When specifically requested by Epson*).
8. Install the appropriate generic **Printer** parameters using the Parameter Backup / Restore Utility (**Nvram.exe**)

Note: If the new Board does not have any parameters, the Printer will not function well enough to allow alignments, paper loading, nozzle check, or the rest of step 16. Generic parameters are a set of working parameters from another printer. They are available for download at: <https://www.epsoninsider.com> listed under the Printer name, as Generic NVRAM Backup. They come in 4 variations (7880 Matte Black, 7880 Photo Black, 9880 Matte Black, and 9880 Photo Black)

9. Perform the following operations in the order listed.
 - 9.1 Perform the **RTC&USBID Adjustment**.
 - 9.2 Enter the **Head Rank ID** (*Print Head* calibration values).
 - 9.3 Perform **Input Serial Number**.
 - 9.4 Perform the **Rear Sensor Adjustment**.
 - 9.5 Perform the **980mm Feed Adjustment**
 - 9.6 Perform the **Ink Mark Sensor Level Adjustment**.
 - 9.7 Perform the **T&B&S (Roll Paper) Adjustment**.
 - 9.8 Perform the **T&B&S (Cut Sheet) Adjustment**.
 - 9.9 Perform the **Platen Position Adjustment**
 - 9.10 Perform the **Ink Mark Sensor Adjustment for Auto Nozzle Check**.
 - 9.11 Perform the **Auto Bi-D Adjustment**.
 - 9.12 Perform the **Auto Uni-D Adjustment**.
 - 9.13 Perform the **Cutter Pressure Adjustment**.
 - 9.14)Perform the **Writing MAC Address Adjustment**.
 - 9.15 Perform the **Colorimetric Calibration** (*When specifically requested by Epson*).
10. Turn the **Printer** off, and then back on, to ensure that the new data from step 16 is loaded into the **Printer's** memory.

Board (Power Supply) Removal

1. Turn off the *Printer* and **UNPLUG from AC.**
2. Remove the *Cover (Rear).*
3. Unplug the *Cables* that attach the *Power Supply* to the *Printer.*



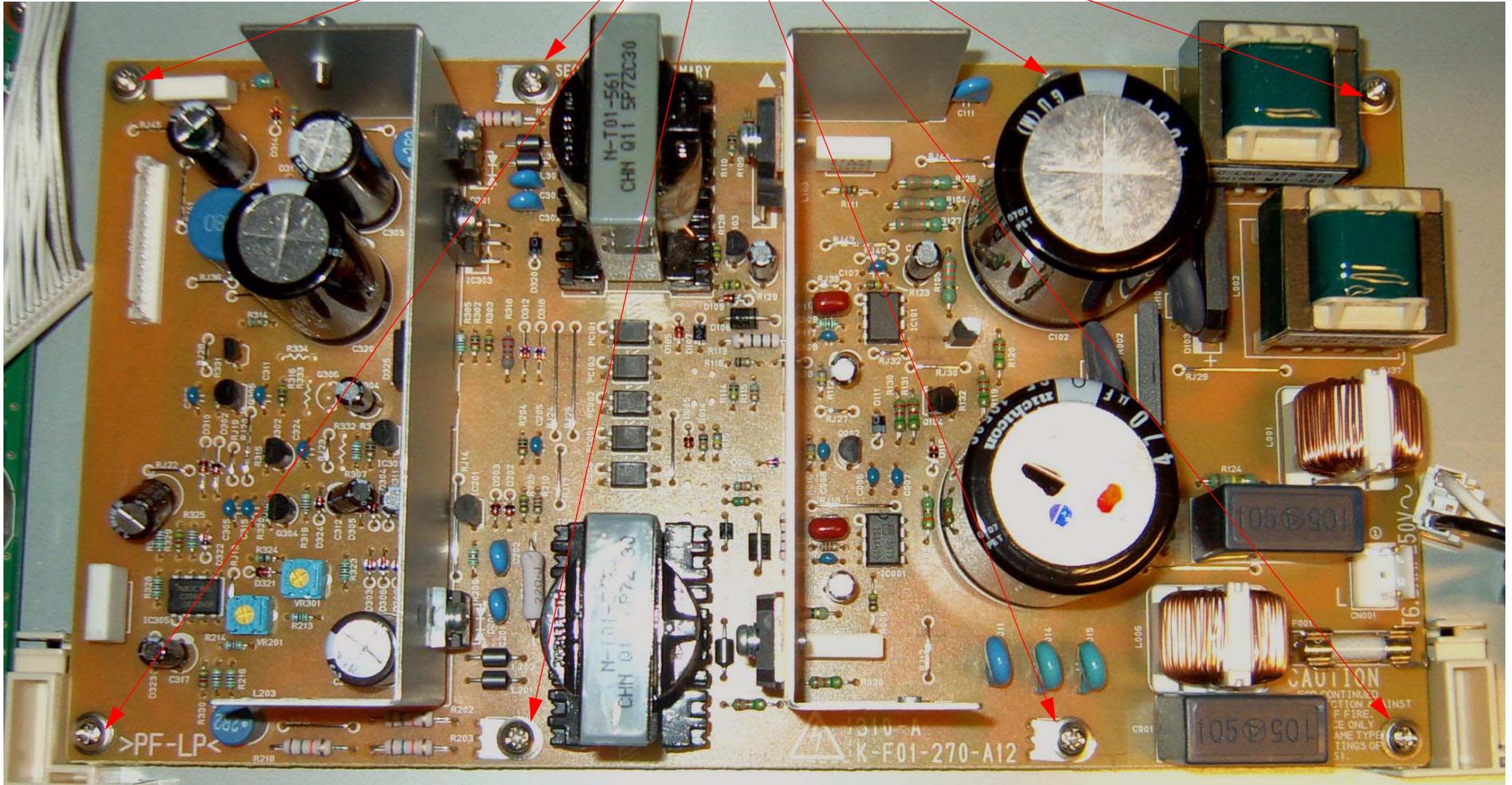
1. Unplug **CN301**.

2. Unplug **CN001**.

4. Remove **8 Screws**, and lift out the **Power Supply**..



1. Remove **8 Screws**

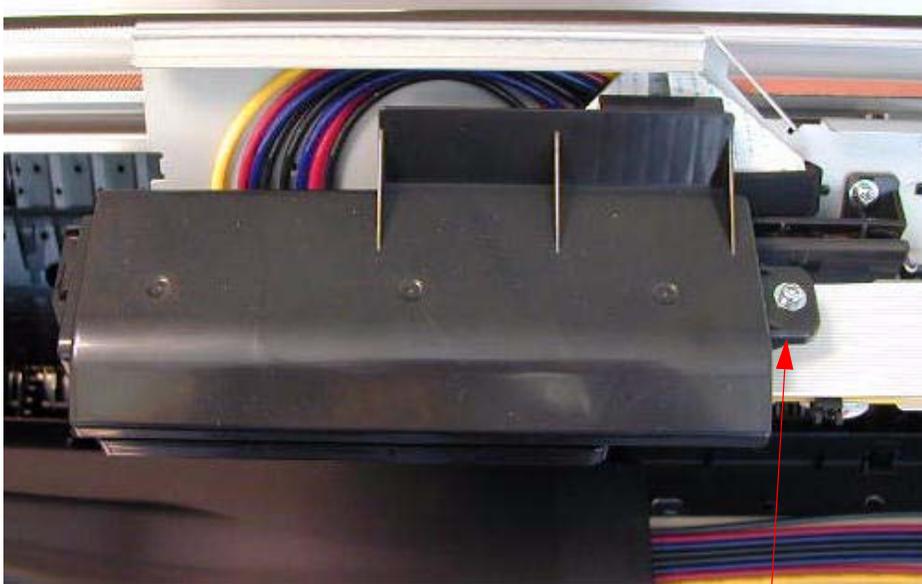


2. Lift out the **Power Supply**.

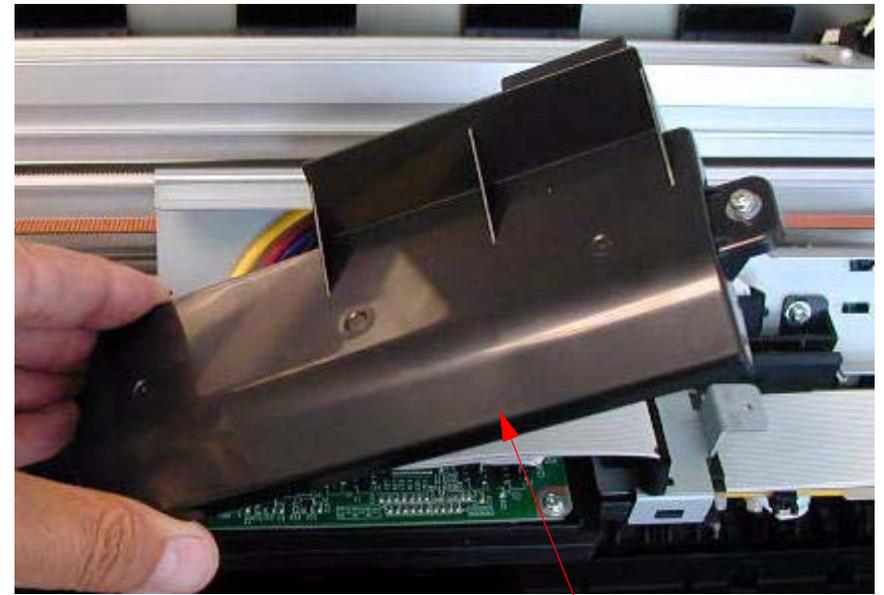
Carriage Assembly Replacement Procedure

Required Parts: *New Carriage, Part # 1291960 & Cutter Alignment tool, Part # 1212928*

1. ***Unplug the Printer.***
2. Raise both ***Ink Levers***, closing the ***Ink Valves***.
3. Remove the ***Top Cover, Left Side Cover, and Right Side Cover.***
4. Release the ***Carriage Lock***, and move the ***Carriage Mechanism*** to the center of the ***Printer.***
5. Remove the ***Pump Cap Assembly.***
6. Remove the ***Carriage Board Cover.***

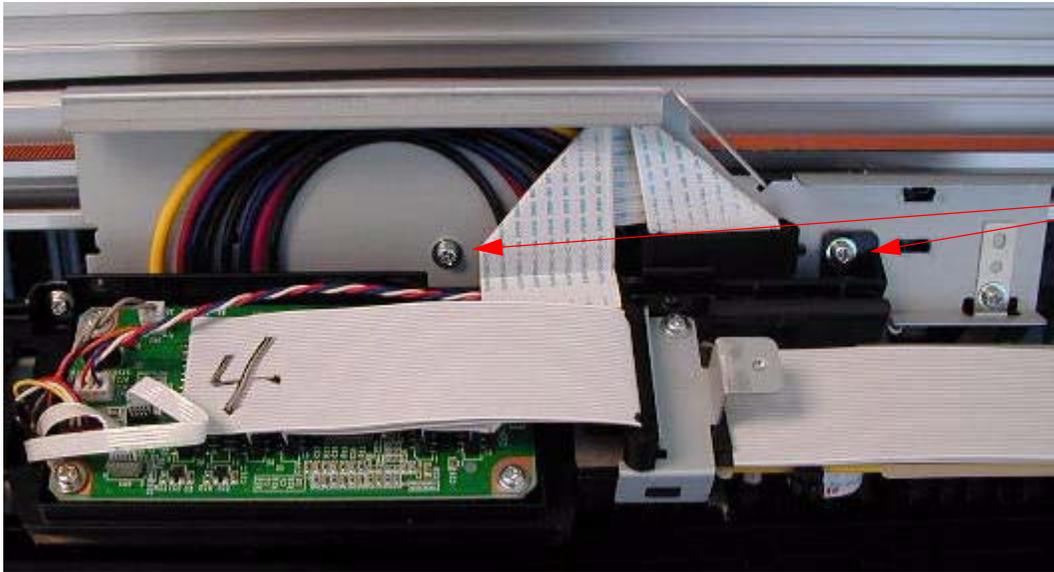


Loosen **1 Screw.**



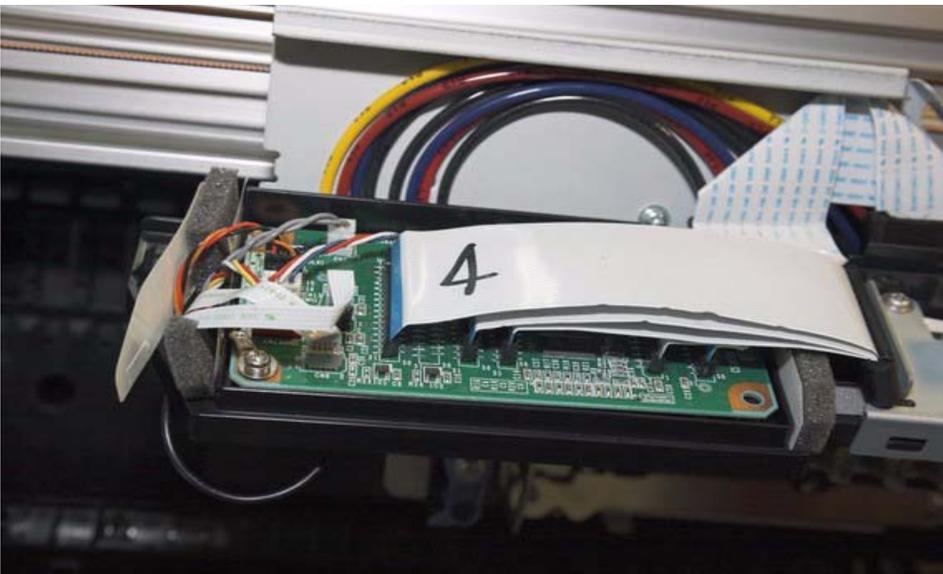
Lift off the ***Carriage Board Cover.***

7. Remove **2 Screws** that fasten the **Carriage Board Assembly**.



Remove **2 Screws**.

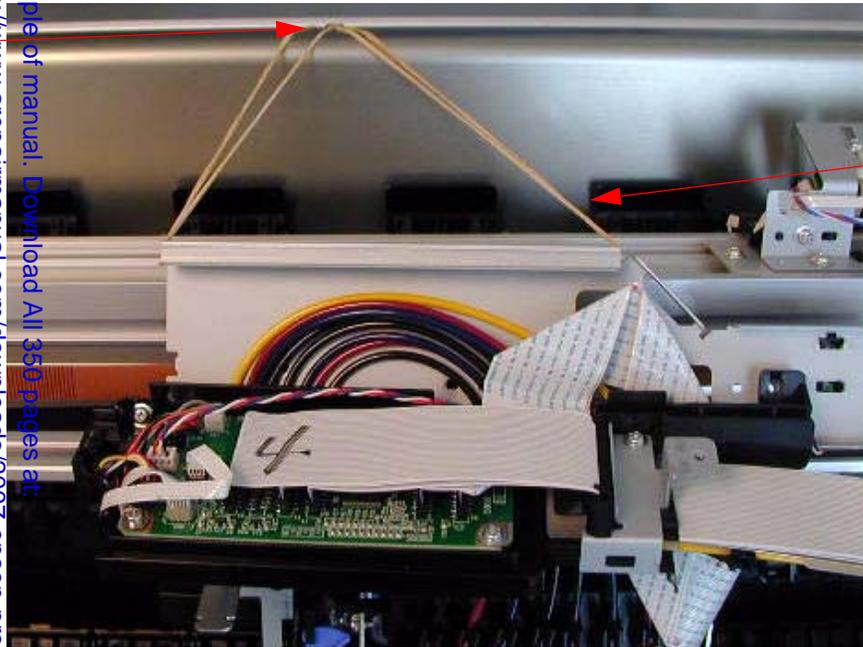
8. Disconnect **5 Cables**



Disconnect **2 foil cables** and **3 connectors**.
Remove 1 screw that fastens the **Ground Strap Wire**.

9. Lift and suspend the **Carriage Board Assembly**.

Loosen one of the **Screws** that fasten a cover to support the **Carriage Board Assembly**.



Lift up the **Carriage Board Assembly**, and suspend it from the loosened **Screw** (Shown with rubber bands in the picture).

Sample of manual. Download All 353 pages at: <https://www.arepairmanual.com/downloads/2007-epson-pro-7880-9880-printer-service-repair-workshop-manual/>

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