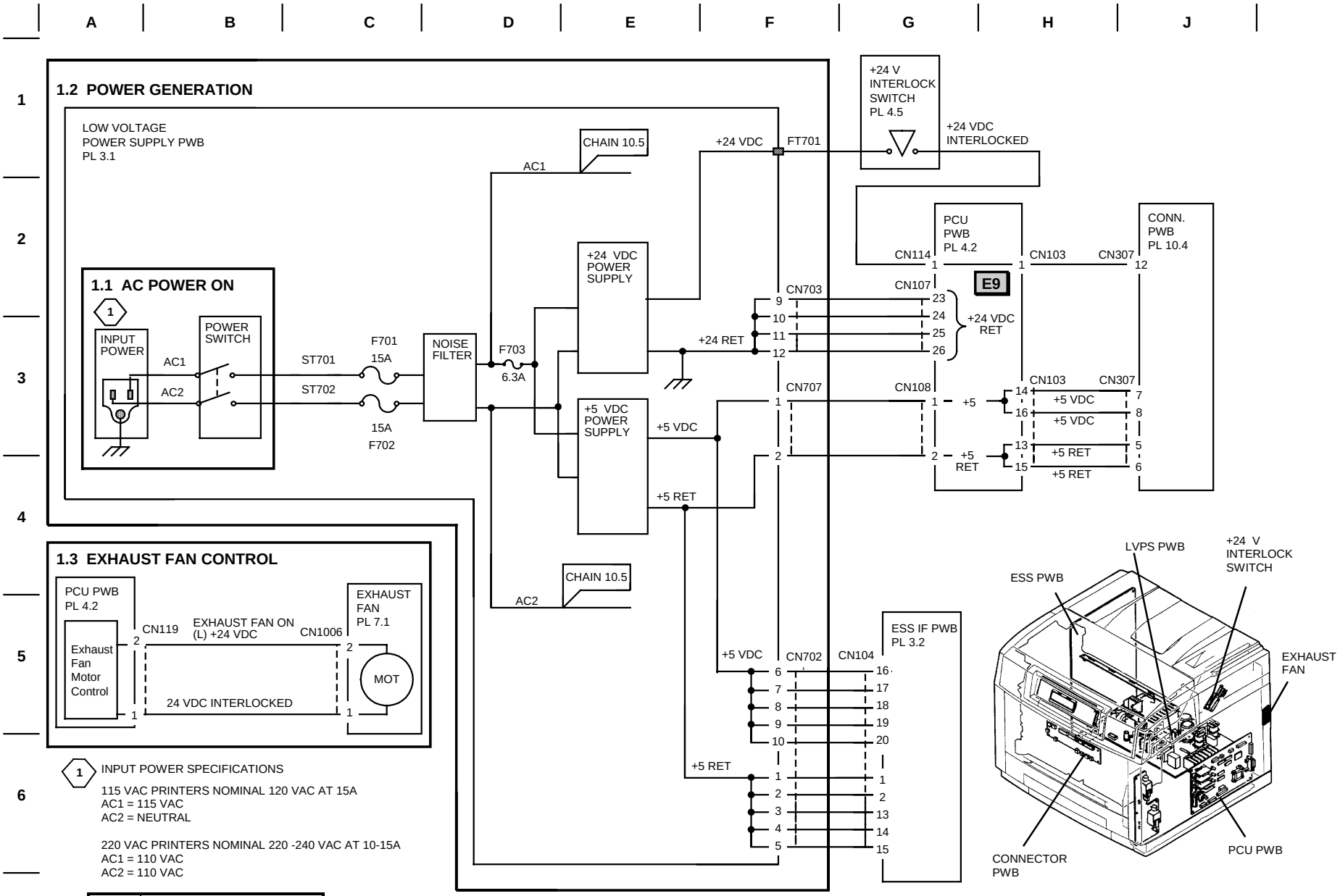
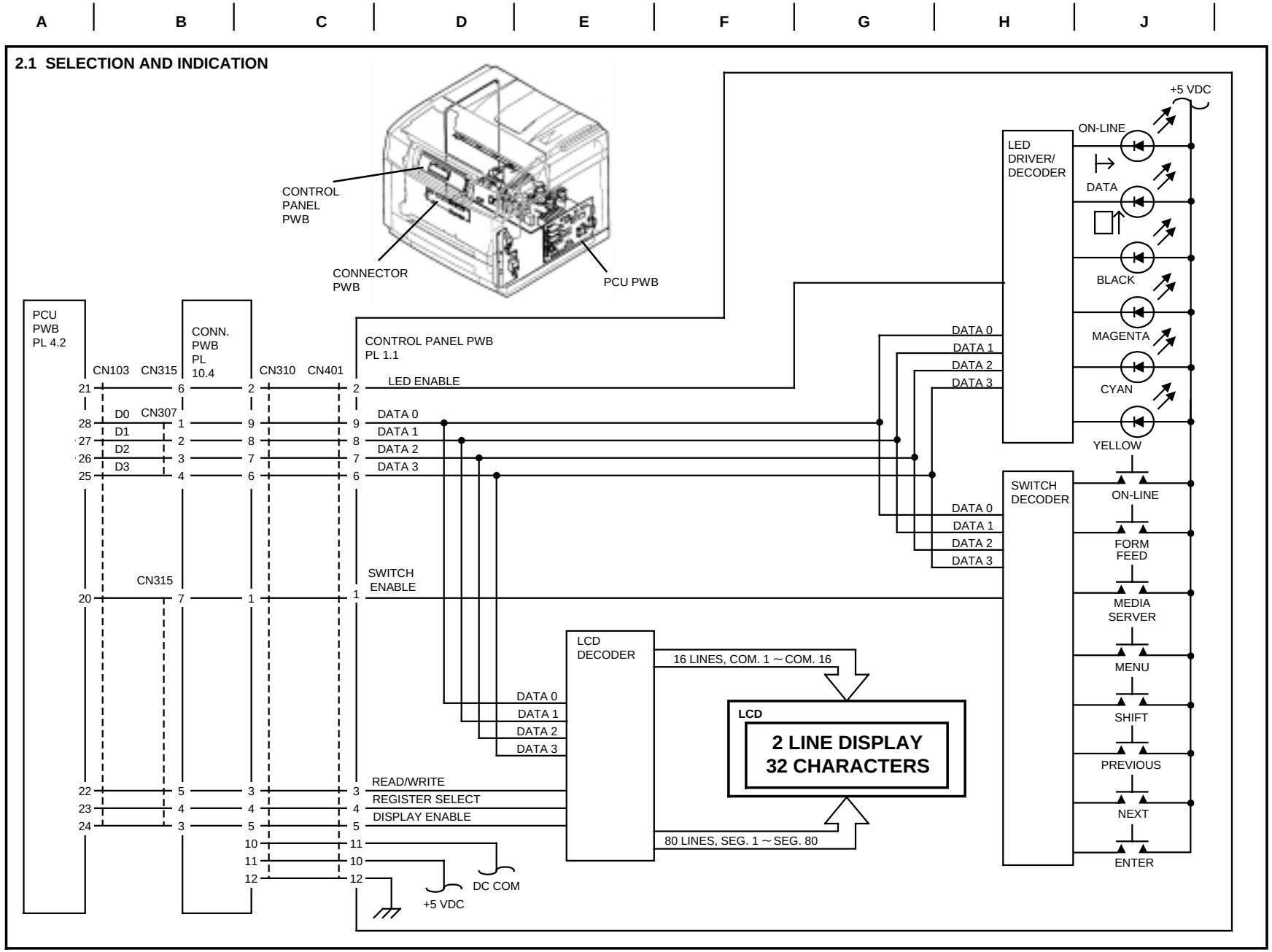
7. WIRING DATA

Connector Numbers	Location	Figure
CN100's	PCU PWB/ESS PWB	7-1
CN200's	Cassette PWB	7-4
CN300's	Connector PWB	7-2
CN400's	Control Panel PWB	7-2
CN700's	LVPS PWB	7-2
CN800's	HVPS PWB	7-3

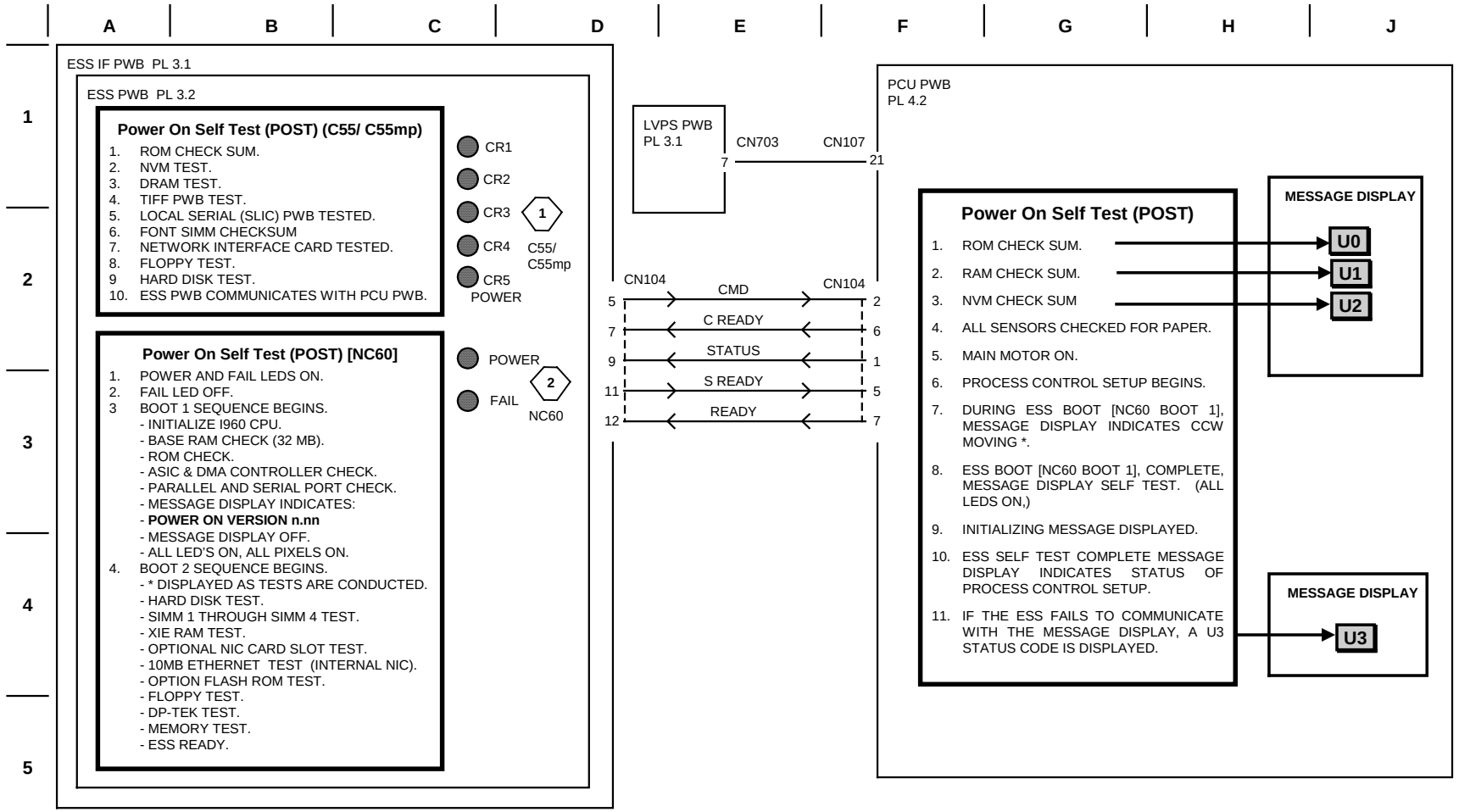


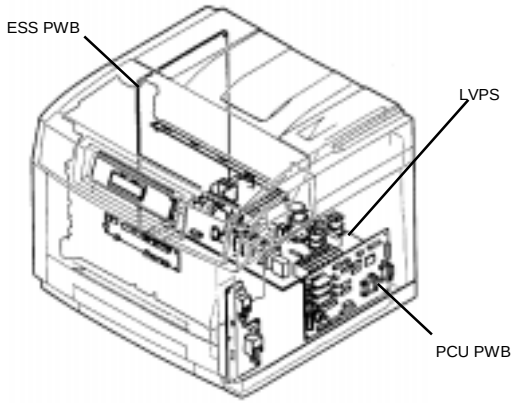
Status Codes	Description
E9	The +24 VDC Interlock is open.

STANDBY POWER
CHAIN 1 LEVEL 2
SHEET 1 0F 1



MODE SELECTION
CHAIN 2 LEVEL 2
SHEET 1 0F 1



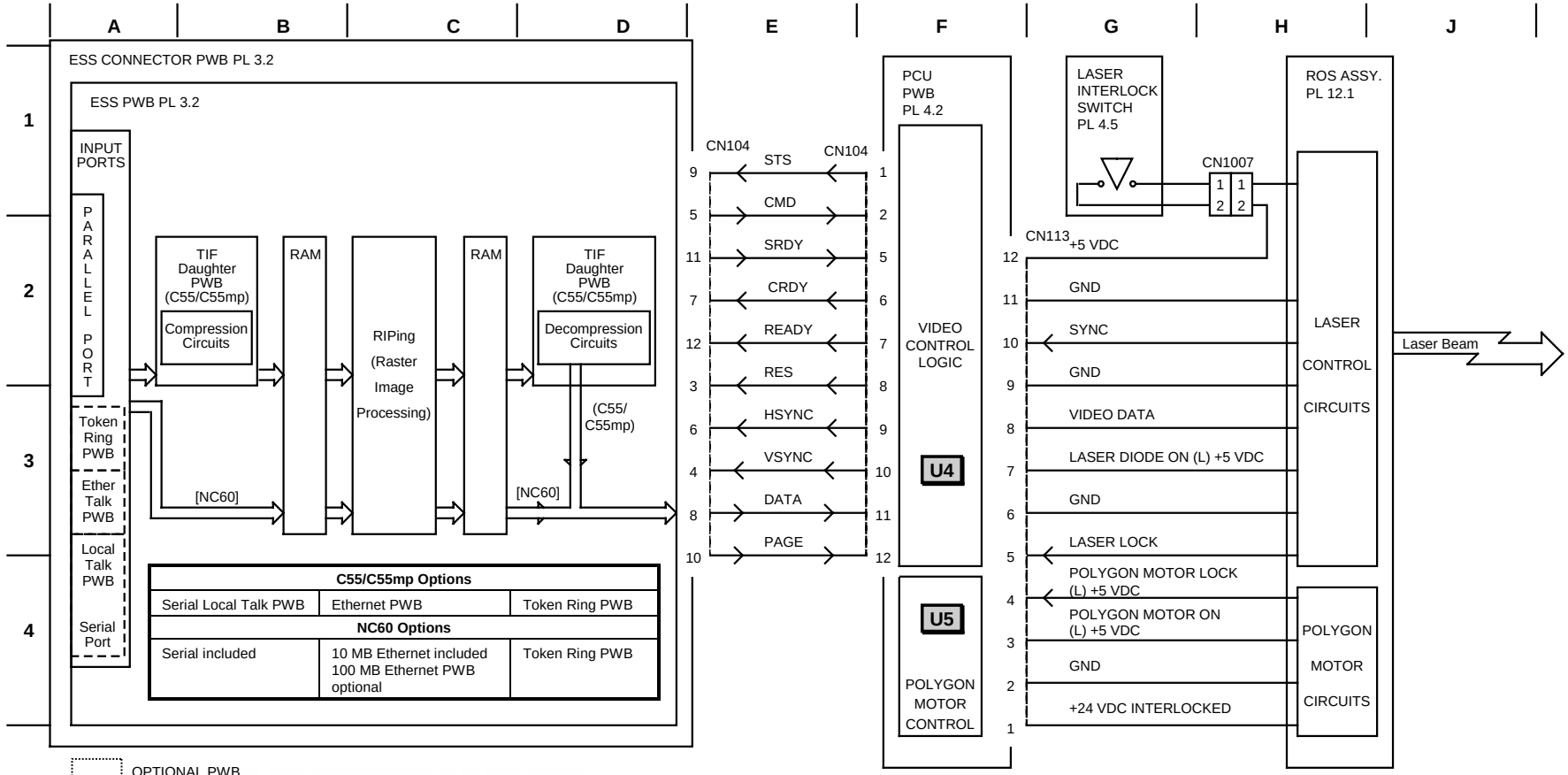


1 **(C55/C55mp)**
CR5 LITES WHEN THERE IS +5 VDC AVAILABLE ON THE ESS.
CR3 LITES WHEN THE ESS PASSES SELF TEST.
ALL LEDS LIGHT WHEN THE ESS FAILS SELF TEST.

2 **[NC60]**
THE POWER LED LITES WHEN THERE IS +5 VDC AVAILABLE ON THE ESS.
THE FAIL LED LITES IF THE ESS FAILS SELF TEST.

Status Codes	Description
U0	PCU ROM check sum failure.
U1	PCU RAM check sum failure.
U2	NVM RAM check sum failure.
U3	Communication failure.

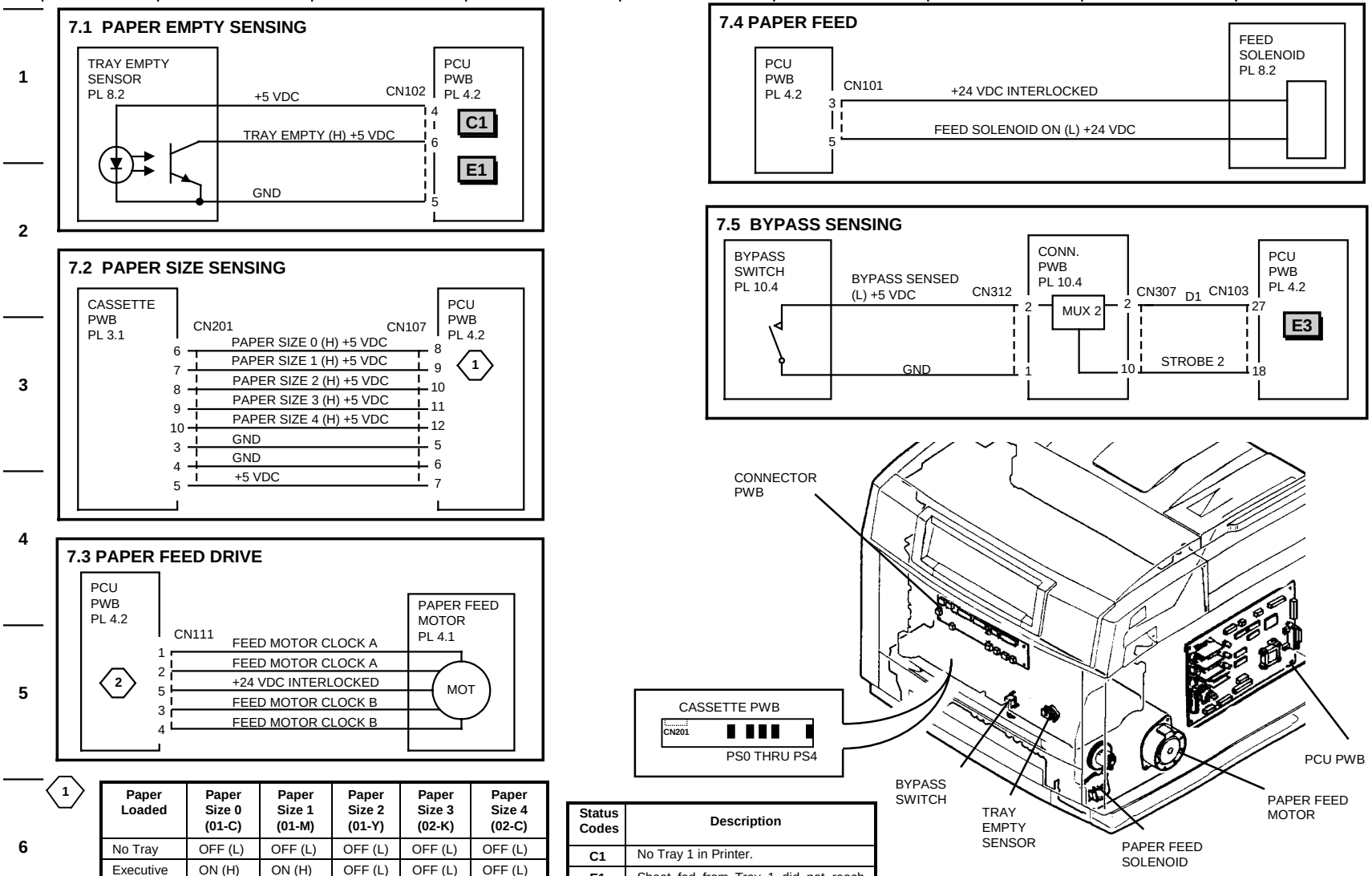
RUN CONTROL
CHAIN 3 LEVEL 2
SHEET 1 0F 1



Signal	Description
STS	**Status**, IOT sends IOT Status signals to ESS
CMD	**Command**, ESS sends commands to the IOT
SRDY	**Status Ready**, ESS is ready to receive status signals
CRDY	**Command Ready**, IOT is ready to receive command signals
READY	**Ready, IOT** is ready to print
RES	**Reset, IOT** requests ESS reset
HSYNC	**Horizontal Sync**, IOT sends line sync to ESS
VSYNC	**Vertical Sync**, IOT sends page sync to ESS
DATA	**Data**, ESS sends raster data to the IOT
PAGE	**Page**, ESS is sending a page of data

Status Codes	Description
U4	Laser Diode failure.
U5	Polygon Motor failure.

LASER SCANNING
CHAIN 6 LEVEL 2
SHEET 1 0F 1



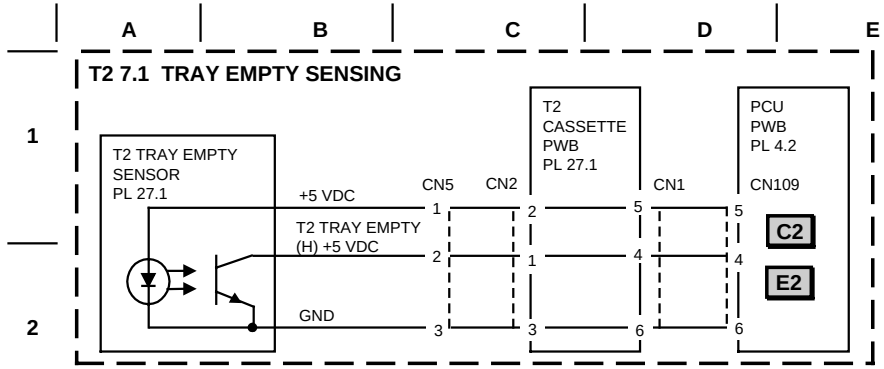
Paper Loaded	Paper Size 0 (01-C)	Paper Size 1 (01-M)	Paper Size 2 (01-Y)	Paper Size 3 (02-K)	Paper Size 4 (02-C)
No Tray	OFF (L)	OFF (L)	OFF (L)	OFF (L)	OFF (L)
Executive	ON (H)	ON (H)	OFF (L)	OFF (L)	OFF (L)
Letter	ON (H)	OFF (L)	ON (H)	OFF (L)	OFF (L)
A4	ON (H)	OFF (L)	OFF (L)	ON (H)	OFF (L)
Legal	ON (H)	OFF (L)	OFF (L)	OFF (L)	ON (H)
Other	ON (H)	OFF (L)	OFF (L)	OFF (L)	OFF (L)

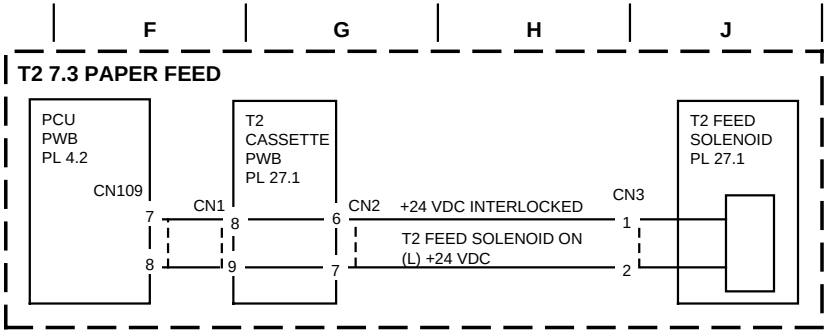
Status Codes	Description
C1	No Tray 1 in Printer.
E1	Sheet fed from Tray 1 did not reach Registration Sensor.
E3	Sheet fed from Bypass not reach Registration Sensor.

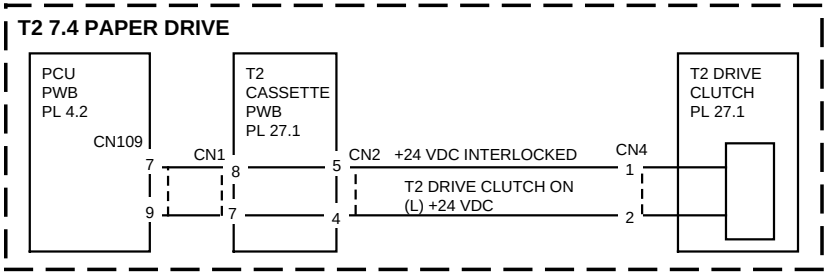
1 THE FEED MOTOR CLOCK SIGNALS ARE FROM 10 TO 23 VDC.

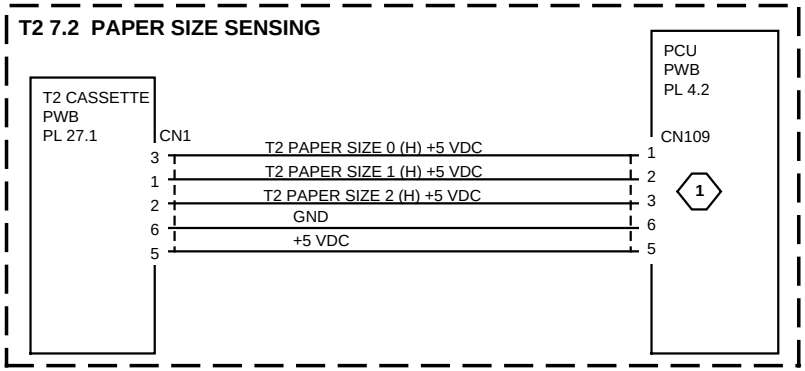
2 THE FEED MOTOR CLOCK SIGNALS ARE FROM 10 TO 23 VDC.

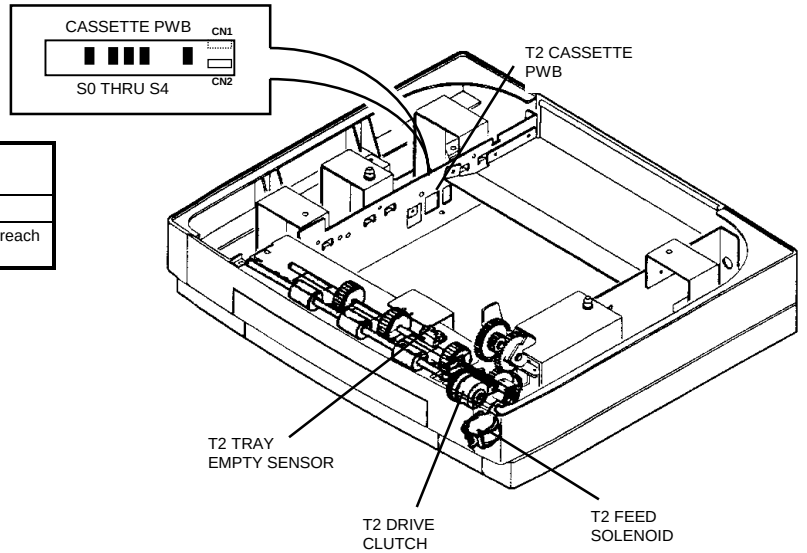
PAPER FEED
CHAIN 7 LEVEL 2
SHEET 1 0F 2





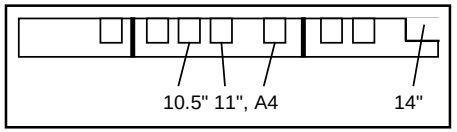






1

Paper Loaded	T2 Paper Size 0 (03-C)	T2 Paper Size 1 (03-M)	T2 Paper Size 2 (03-Y)
No Tray	OFF (H)	ON (H)	ON (H)
S0,S1 - Executive	ON (H)	OFF (L)	ON (H)
S0,S2 - Letter	OFF (L)	OFF (L)	ON (H)
S0,S3 - A4	ON (H)	ON (H)	OFF (L)
S0,S4 - Legal	OFF (L)	ON (H)	OFF (L)
S0 - Other	ON (H)	ON (H)	ON (H)



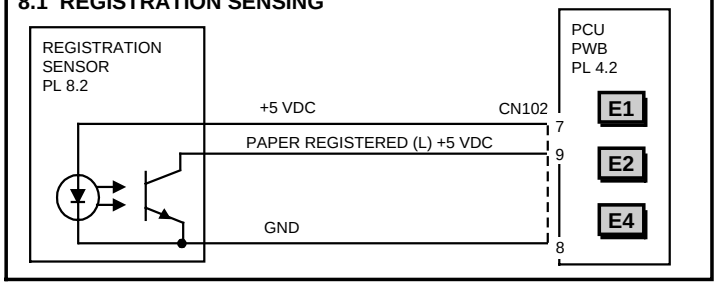
Status Codes	Description
C2	No Tray 2 in Printer
E2	Sheet fed from Tray 2 did not reach Registration Sensor.

T2 PAPER FEED
CHAIN 7 LEVEL 2
SHEET 2 0F 2

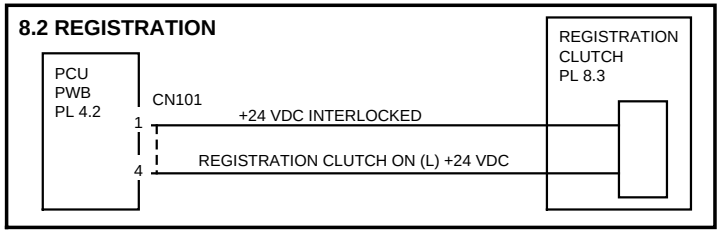
A B C D E F G H J

1 2 3 4 5 6 7

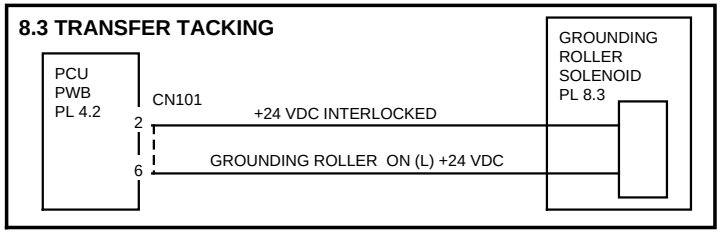
8.1 REGISTRATION SENSING



8.2 REGISTRATION

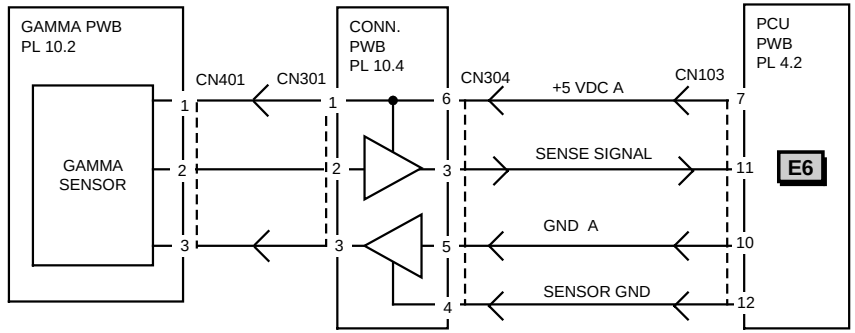


8.3 TRANSFER TACKING

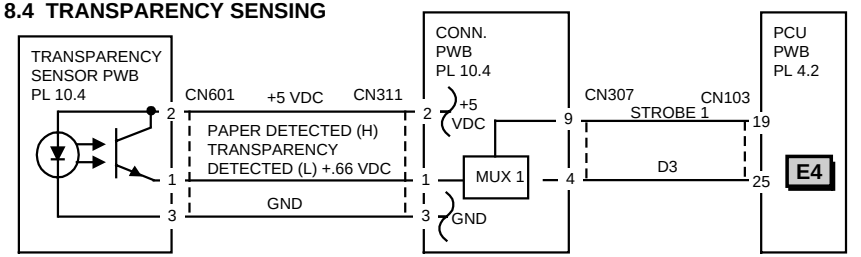


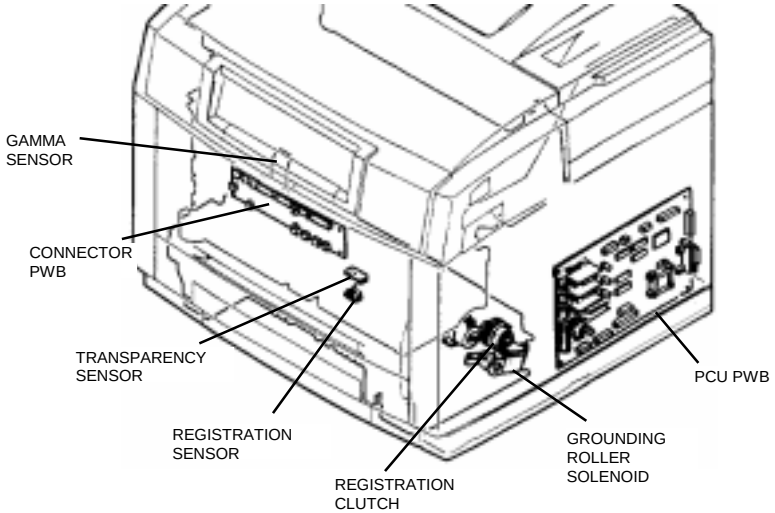
Status Codes	Description
E1	Sheet fed from Tray 1 did not reach Registration Sensor.
E2	Sheet fed from Tray 2 did not reach Registration Sensor.
E3	Sheet fed from Bypass did not reach Registration Sensor.
E4	Sheet on Registration Sensor or Transparency Sensor at power on.
E6	Sheet made Registration Sensor did not reach Gamma Sensor.

8.5 GAMMA SENSING



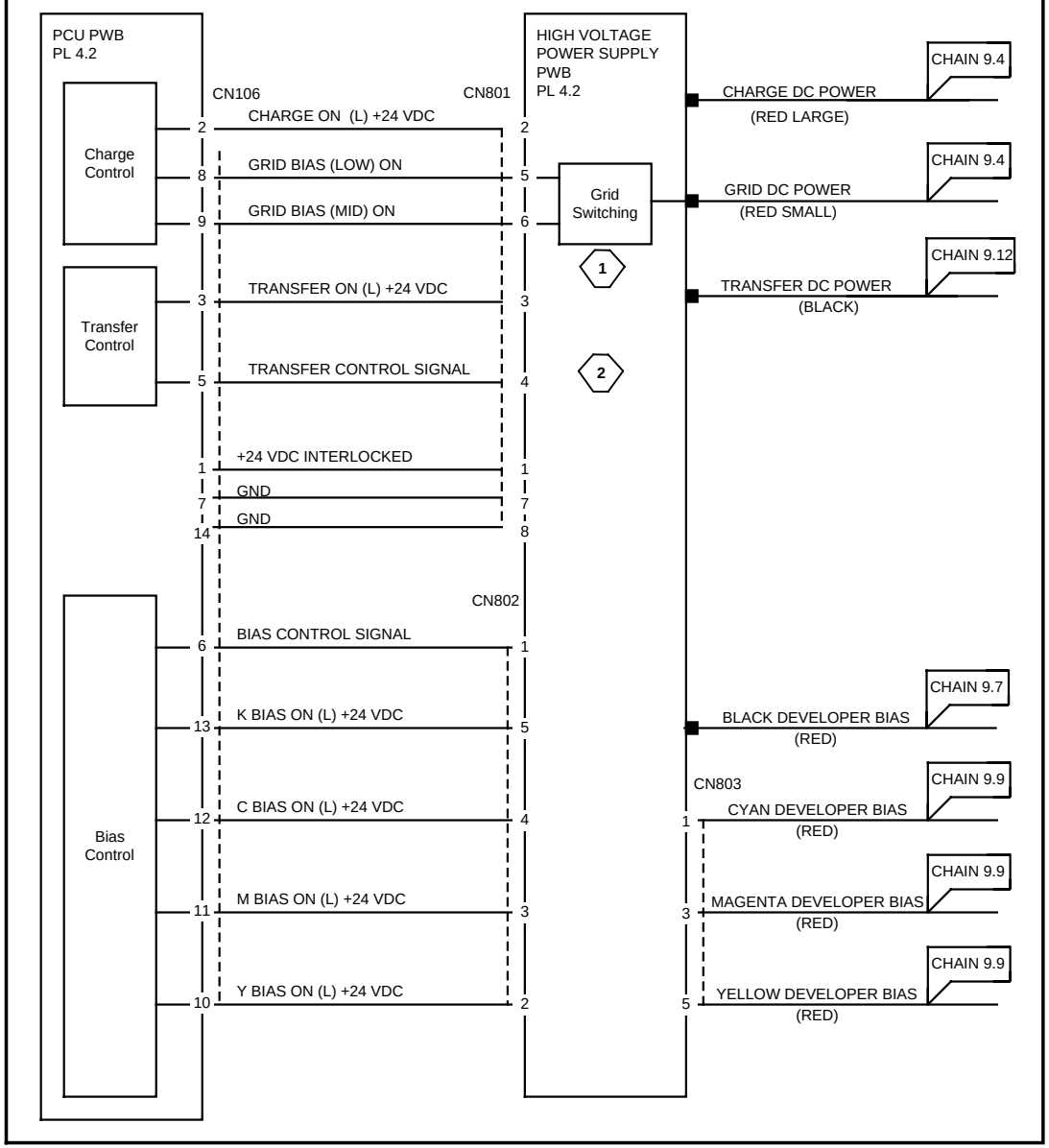
8.4 TRANSPARENCY SENSING

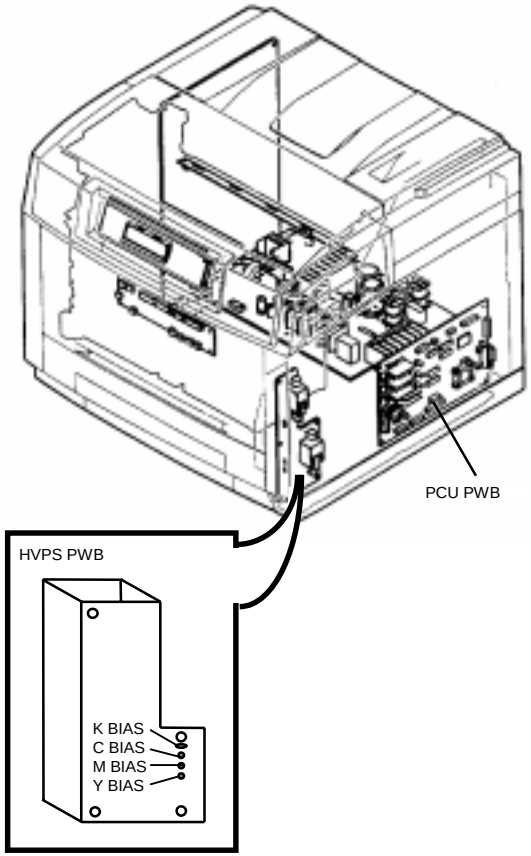




REGISTRATION
CHAIN 8 LEVEL 2
SHEET 1 0F 1

9.1 COROTRON POWER AND /DEVELOPER BIAS GENERATION





1

GRID BIAS LOW SIGNAL	GRID BIAS MID SIGNAL	GRID VOLTAGE
0 V	24 V	550
24 V	0 V	650
24 V	24 V	750

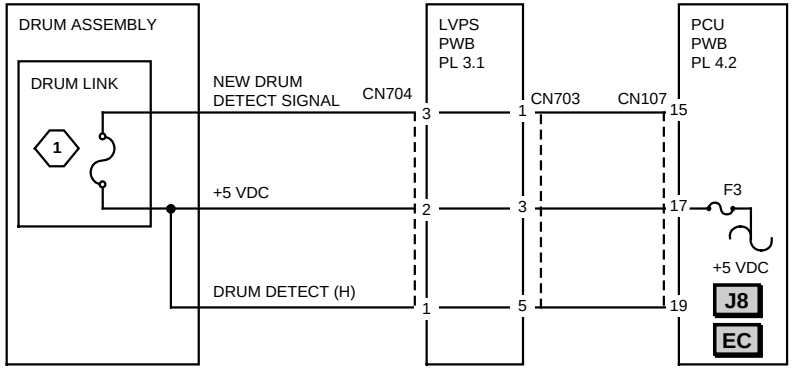
2 THE TRANSFER CONTROL SIGNAL INCREASES THE TRANSFER BIAS FOR TRANSPARENCIES. THIS SIGNAL IS APPROXIMATELY 2.5V FOR PAPER AND 4.6V FOR TRANSPARENCIES.

XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 1 0F 10

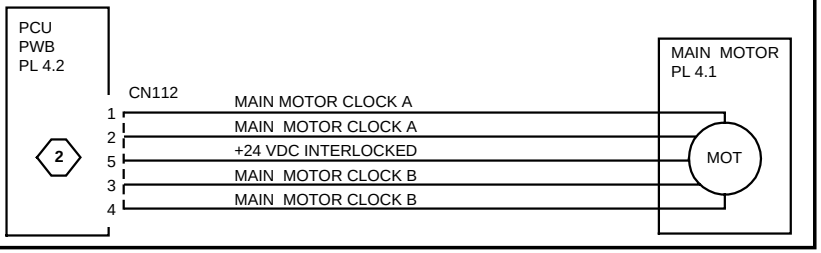
A B C D E F G H J

1 2 3 4 5 6 7

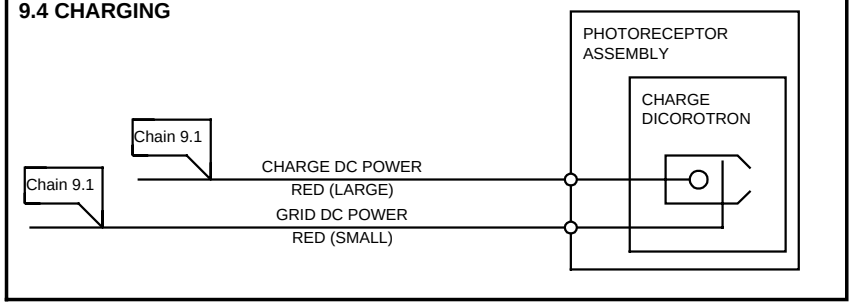
9.2 DRUM DETECTION

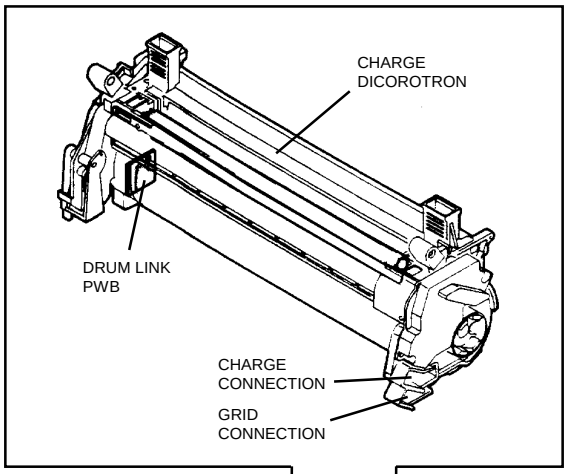


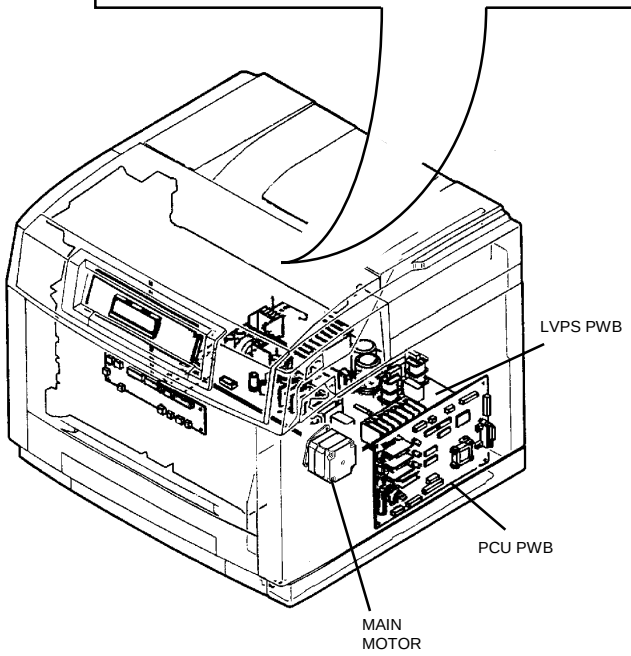
9.3 MAIN DRIVE



9.4 CHARGING







1 THE DRUM LINK IS USED TO DETECT WHEN A NEW DRUM MODULE IS INSTALLED. IT MELTS OPEN AND STARTS THE DRUM COUNT.

2 THE MAIN MOTOR CLOCK SIGNALS ARE FROM 17 TO 20 VDC.

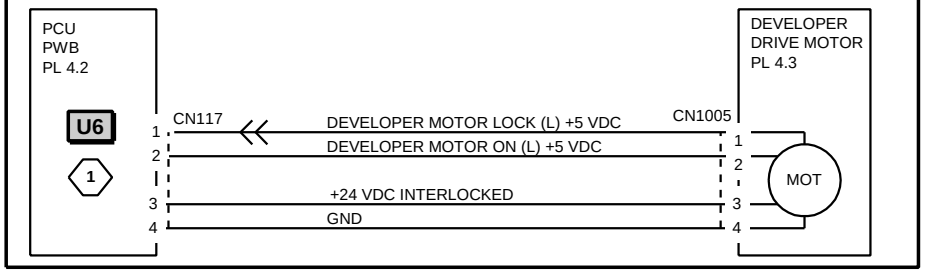
Status Codes	Description
J8	A New Drum Module needs to be installed.
EC	The Drum Module is not installed correctly.

XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 2 0F 10

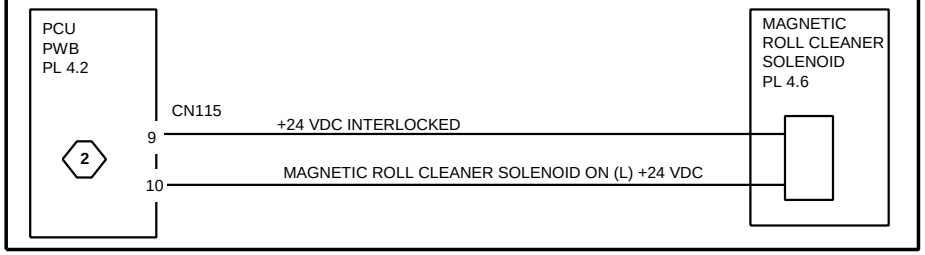
A B C D E F G H J

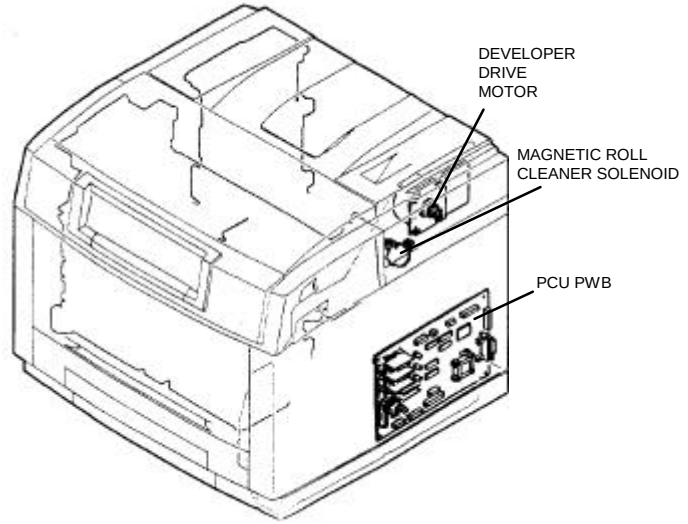
1 2 3 4 5 6 7

9.5 DEVELOPER DRIVE



9.6 MAGNETIC ROLL CLEANING



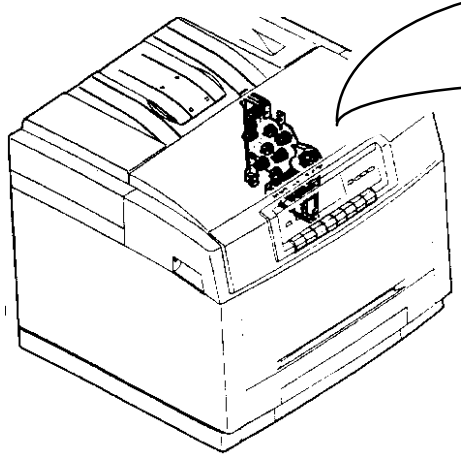


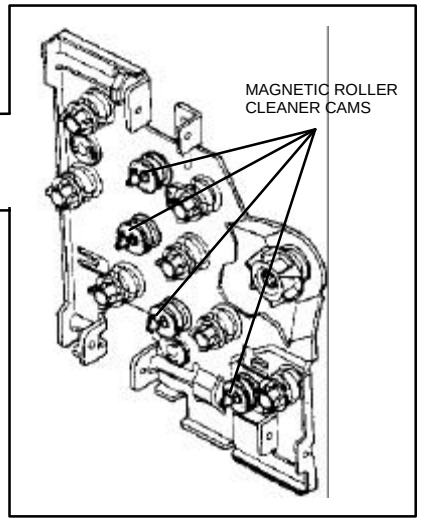
1 THE DEVELOPER DRIVE MOTOR SUPPLIES DRIVE FOR ALL FOUR COLORS.

2 WHEN THE MAGNETIC ROLL CLEANER SOLENOID IS DEENERGIZED, ALL FOUR MAGNETIC ROLLS ARE READY TO BE CLEANED.

WHEN THE SOLENOID IS ENERGIZED, ALL CLEANER BLADES ARE MOVED AWAY FROM THE ROLLS. THE ROLL WHICH IS ROTATING CREATES A BRUSH AND DEVELOPS AN IMAGE.

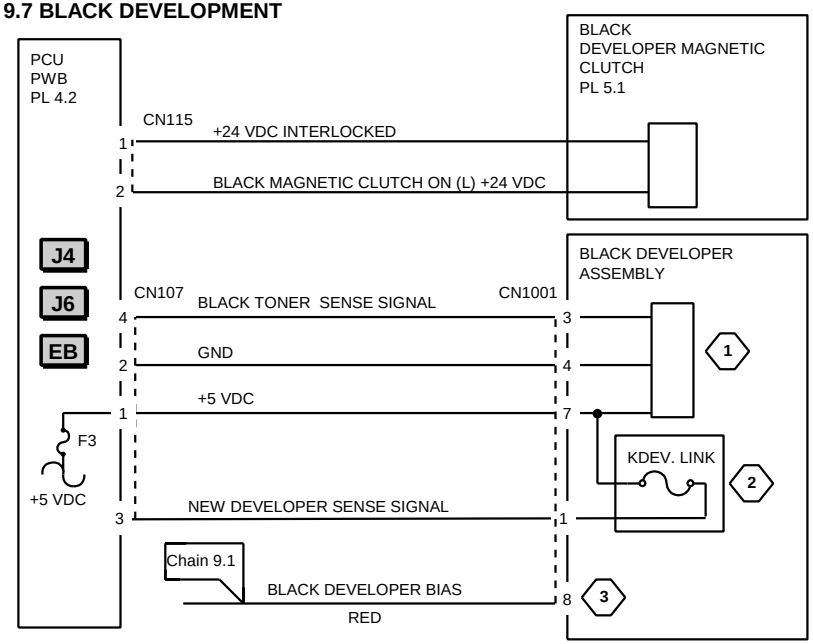
Status Codes	Description
U6	The Developer Drive motor is not rotating.



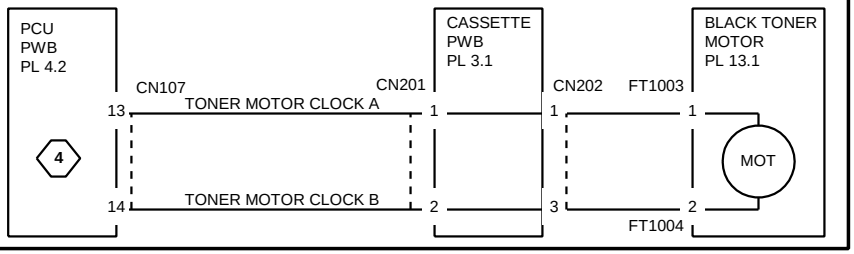


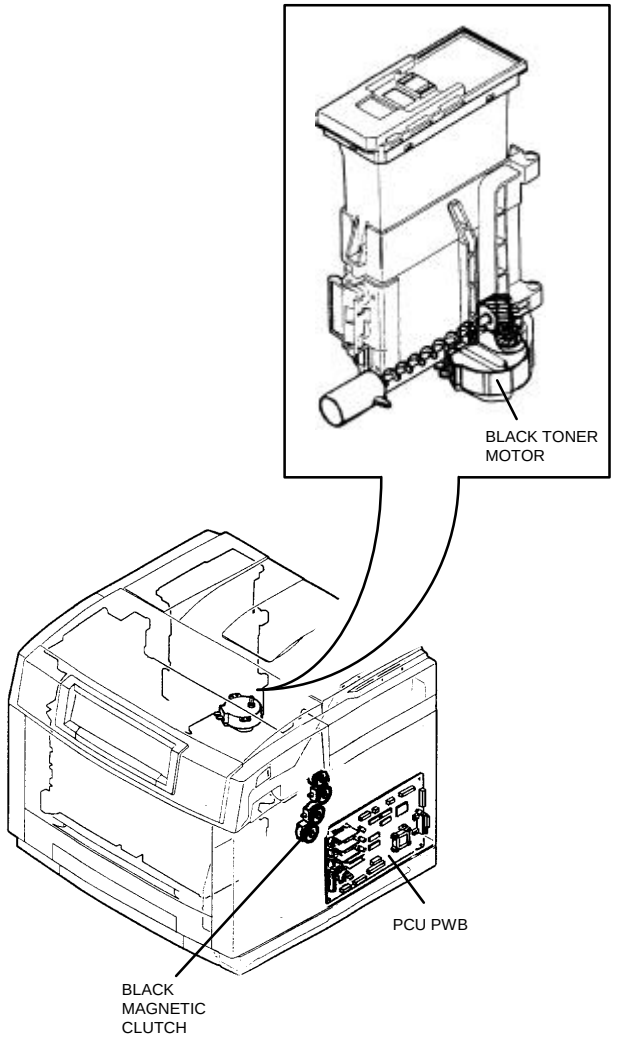
XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 3 0F 10

9.7 BLACK DEVELOPMENT



9.8 BLACK TONER CONTROL





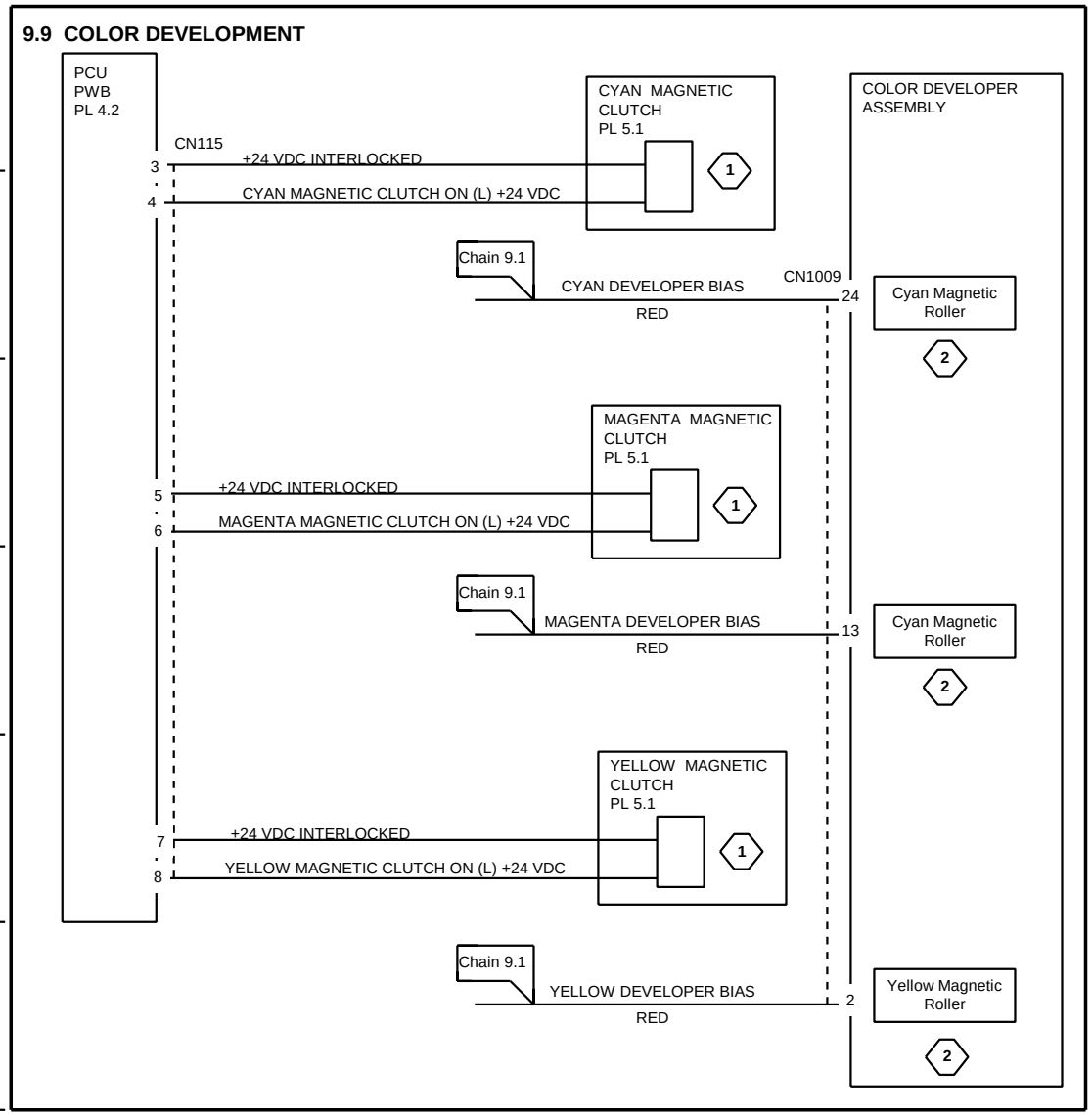
1. THE BLACK TONER SENSE SIGNAL MEASURES THE TONER CONCENTRATION IN THE BLACK DEVELOPER HOUSING.
2. THE BLACK DEVELOPER LINK IS USED TO DETECT WHEN A NEW BLACK DEVELOPER MODULE IS INSTALLED. IT MELTS OPEN AND STARTS THE BLACK DEVELOPER COUNT.
3. THE PCU PWB CHANGES THE DEVELOPER BIAS IN ORDER TO CHANGE THE IMAGE DENSITY. IT USES INPUT FROM THE GAMMA SENSOR TO DETERMINE THE CHANGE REQUIRED.
4. THE BLACK TONER MOTOR IS CONTROLLED BY THE BLACK TONER SENSE SIGNAL. IT DETERMINES WHEN TO RUN THE TONER MOTOR.

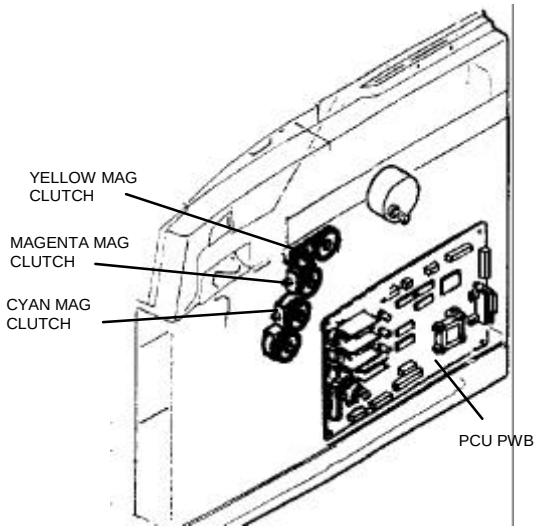
THE CLOCK A AND CLOCK B SIGNALS ARE APPROXIMATELY 12 VDC WHEN MEASURED TO GROUND.

THE CLOCK A AND CLOCK B SIGNALS ARE APPROXIMATELY 22 VAC WHEN MEASURED ACROSS A & B

Status Codes	Description
J4	The Black toner is low.
J6	The Sense signal is out of range.
EB	The Black Developer is misinstalled.

XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 4 0F 10

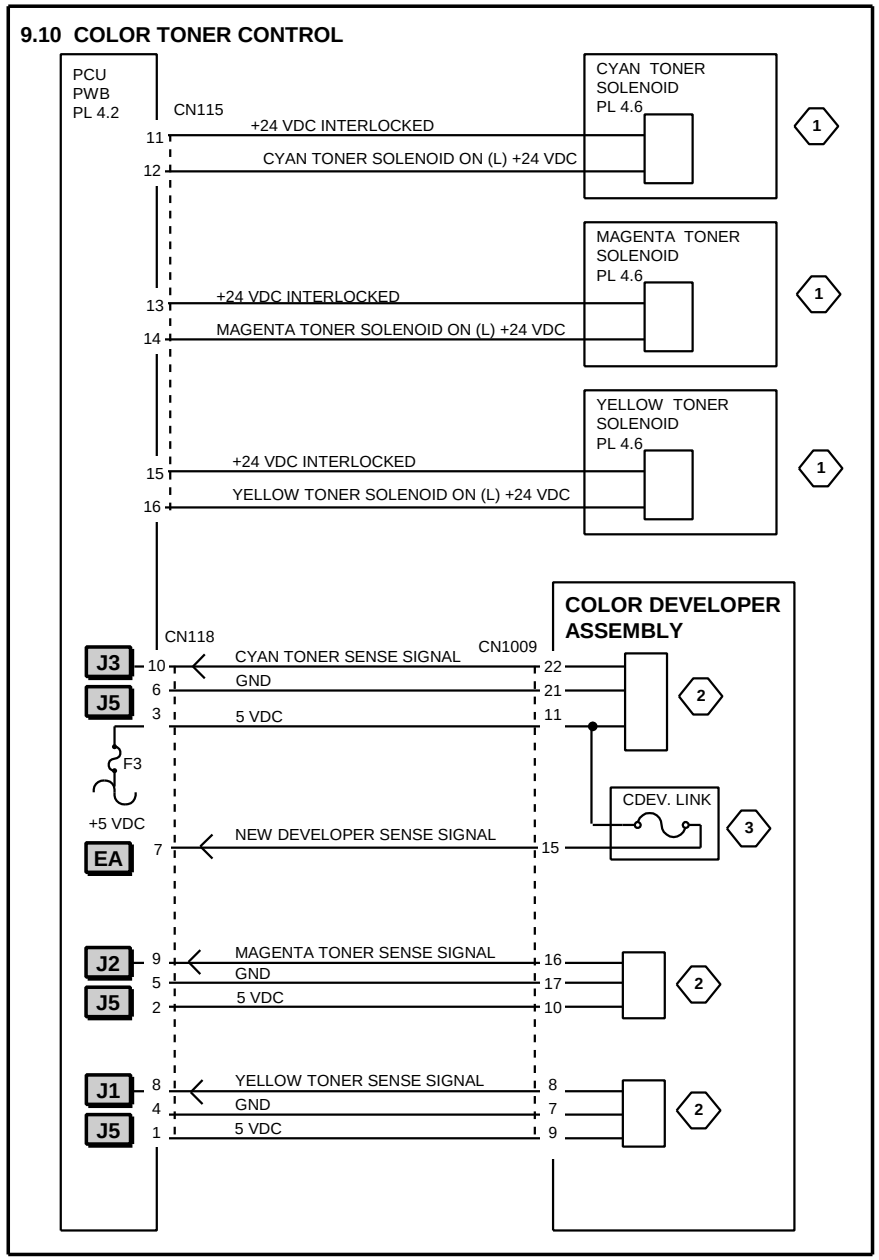


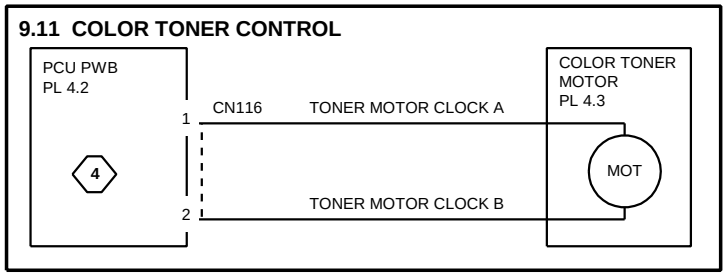


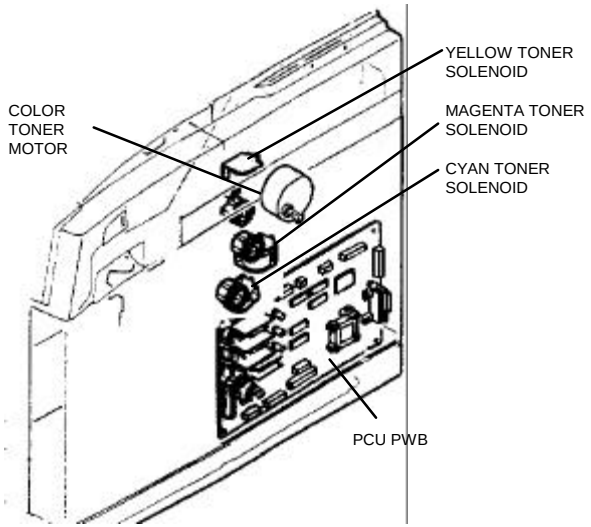
(1) WHEN ONE OF THE COLOR MAGNETIC CLUTCHES IS ENERGIZED, THE APPROPRIATE MAGNETIC ROLL ROTATES AND DEVELOPS THE SELECTED COLOR.

(1) THE BIAS VOLTAGE SUPPLIED TO THE CYAN, MAGENTA, AND YELLOW MAGNETIC ROLLERS IS DETERMINED BY THE GAMMA SENSOR DURING THE PROCESS CONTROL SETUP.

XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 5 0F 10







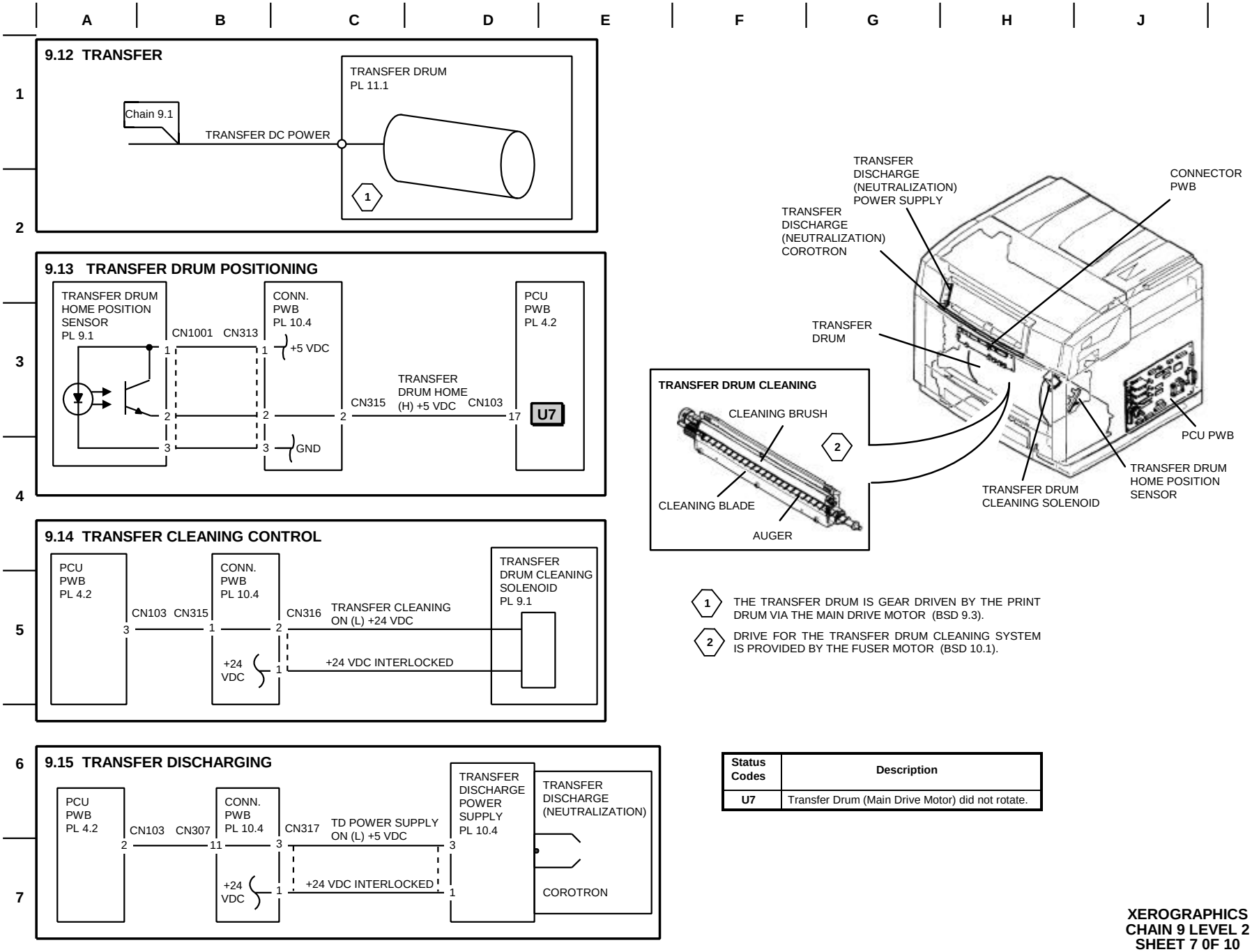
1. WHEN ONE OF THE TONER SOLENOIDS IS ENERGIZED, THE TONER MOTOR RUNS AND THE TONER IS DISPENSED INTO THE DEVELOPER HOUSING.
2. THE TONER SENSE SIGNALS MEASURE THE TONER CONCENTRATION IN THE DEVELOPER HOUSINGS.
3. THE COLOR DEVELOPER LINK IS USED TO DETECT WHEN A NEW COLOR DEVELOPER MODULE IS INSTALLED. IT MELTS AND RESETS THE Y, C, AND M, DEVELOPER COUNT.
4. THE COLOR TONER MOTOR IS CONTROLLED BY THE SENSE SIGNALS. THE MOTOR PROVIDES DISPENSE DRIVE FOR ALL THREE COLORS.

THE CLOCK A AND CLOCK B SIGNALS ARE APPROXIMATELY 12 VDC WHEN MEASURED TO GROUND.

THE CLOCK A AND CLOCK B SIGNALS ARE APPROXIMATELY 22 VAC WHEN MEASURED ACROSS A & B

Status Codes	Description
J1	The Yellow toner is low.
J2	The Magenta toner is low.
J3	The Cyan toner is low.
J5	One of the Sense signals is out of range.
EA	The color developer is misinstalled or is overtoned

XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 6 0F 10



1 THE TRANSFER DRUM IS GEAR DRIVEN BY THE PRINT DRUM VIA THE MAIN DRIVE MOTOR (BSD 9.3).

2 DRIVE FOR THE TRANSFER DRUM CLEANING SYSTEM IS PROVIDED BY THE FUSER MOTOR (BSD 10.1).

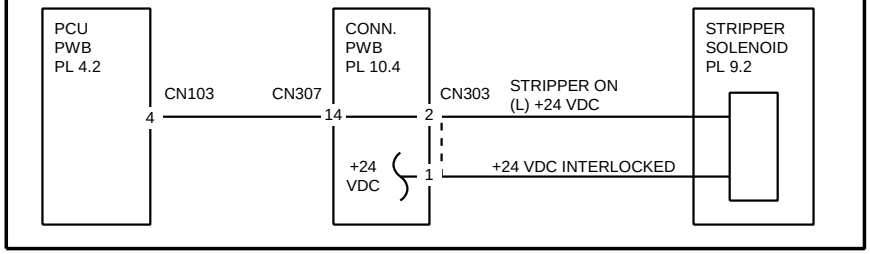
Status Codes	Description
U7	Transfer Drum (Main Drive Motor) did not rotate.

XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 7 0F 10

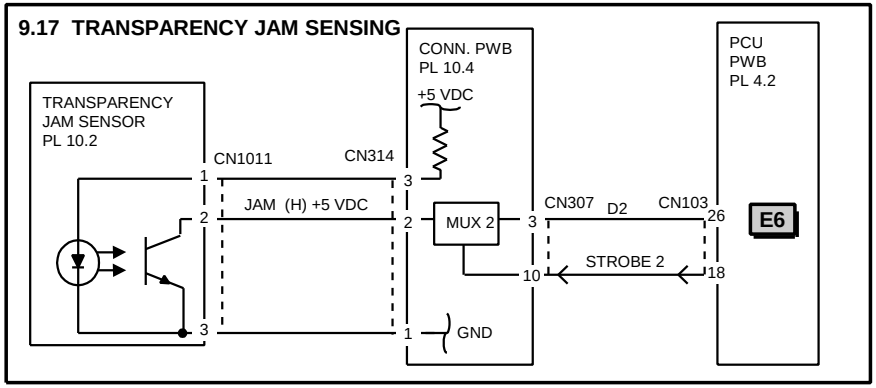
A B C D E F G H J

1 2 3 4 5 6 7

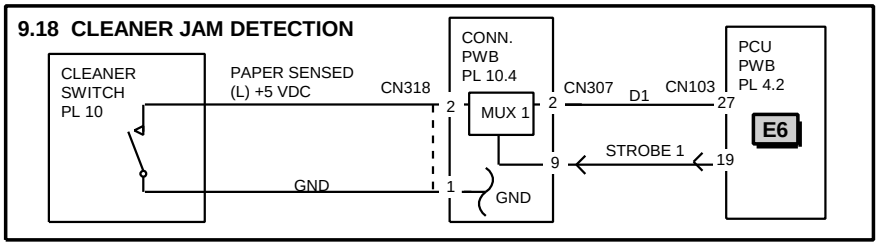
9.16 STRIPPER CONTROL

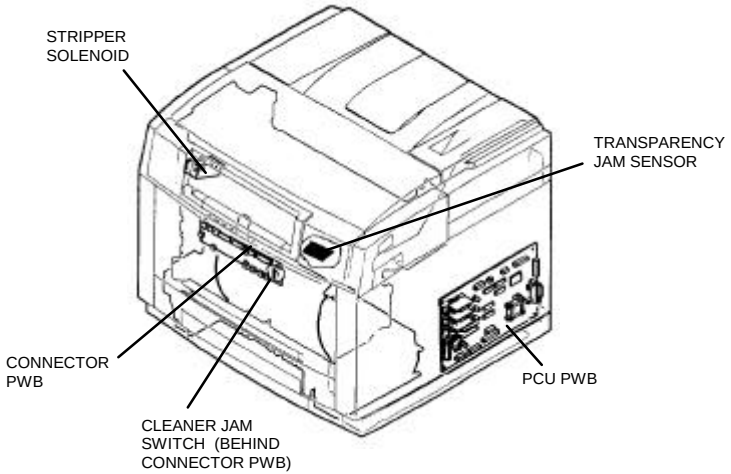


9.17 TRANSPARENCY JAM SENSING



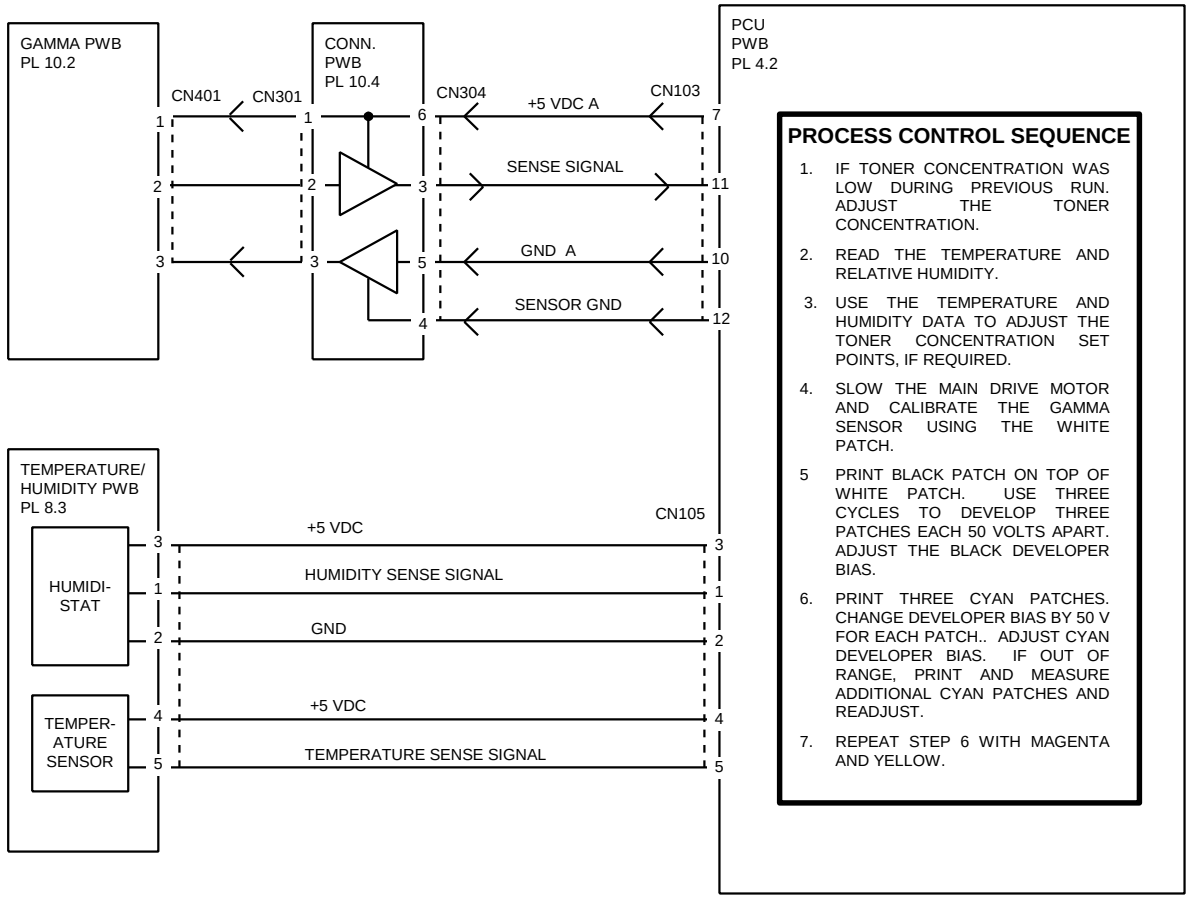
9.18 CLEANER JAM DETECTION





XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 8 0F 10

9.19 PROCESS CONTROL

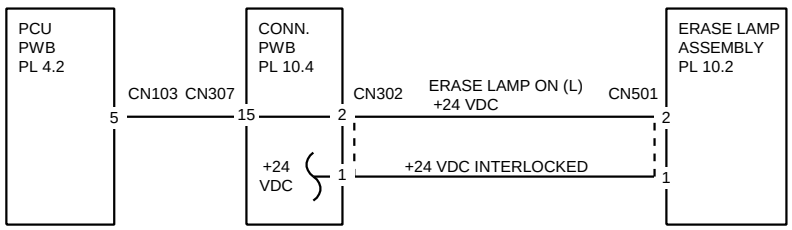


PROCESS CONTROL SEQUENCE

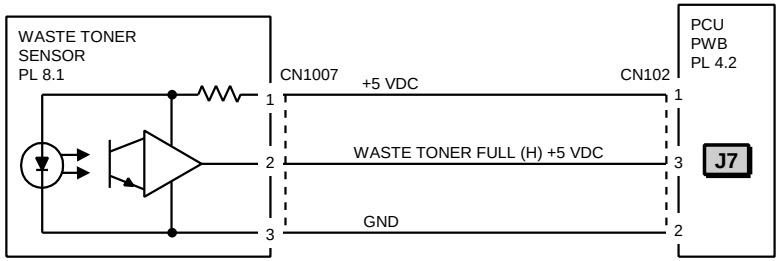
1. IF TONER CONCENTRATION WAS LOW DURING PREVIOUS RUN. ADJUST THE TONER CONCENTRATION.
2. READ THE TEMPERATURE AND RELATIVE HUMIDITY.
3. USE THE TEMPERATURE AND HUMIDITY DATA TO ADJUST THE TONER CONCENTRATION SET POINTS, IF REQUIRED.
4. SLOW THE MAIN DRIVE MOTOR AND CALIBRATE THE GAMMA SENSOR USING THE WHITE PATCH.
5. PRINT BLACK PATCH ON TOP OF WHITE PATCH. USE THREE CYCLES TO DEVELOP THREE PATCHES EACH 50 VOLTS APART. ADJUST THE BLACK DEVELOPER BIAS.
6. PRINT THREE CYAN PATCHES. CHANGE DEVELOPER BIAS BY 50 V FOR EACH PATCH.. ADJUST CYAN DEVELOPER BIAS. IF OUT OF RANGE, PRINT AND MEASURE ADDITIONAL CYAN PATCHES AND READJUST.
7. REPEAT STEP 6 WITH MAGENTA AND YELLOW.

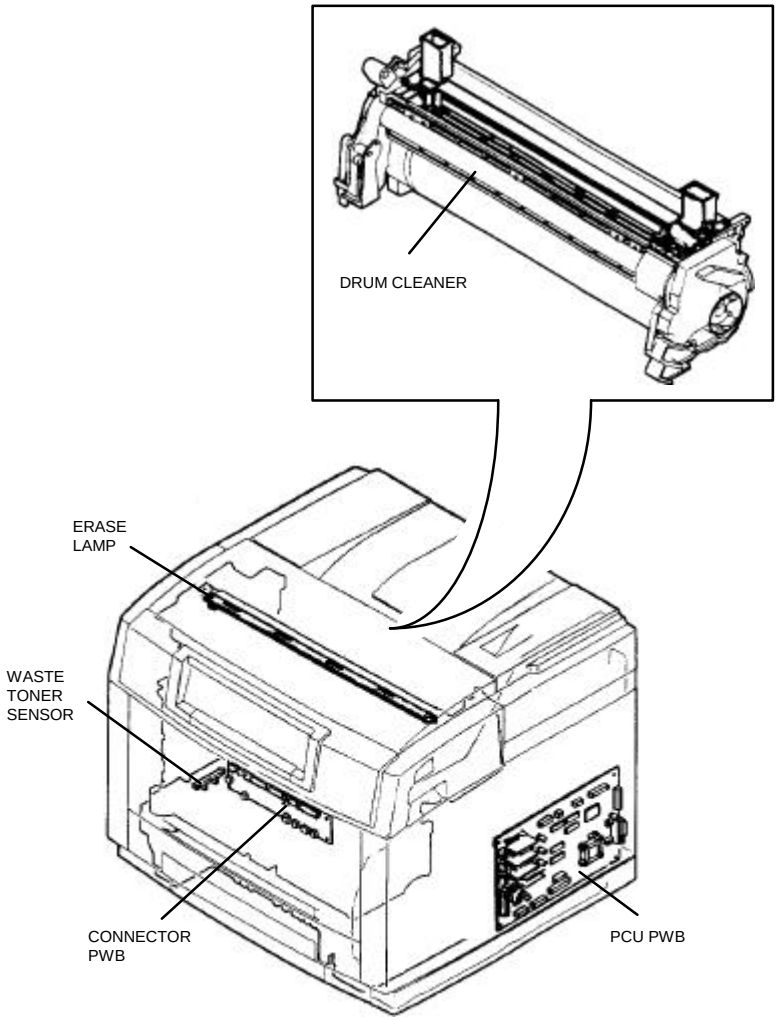
XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 9 0F 10

9.20 ERASE LAMP CONTROL



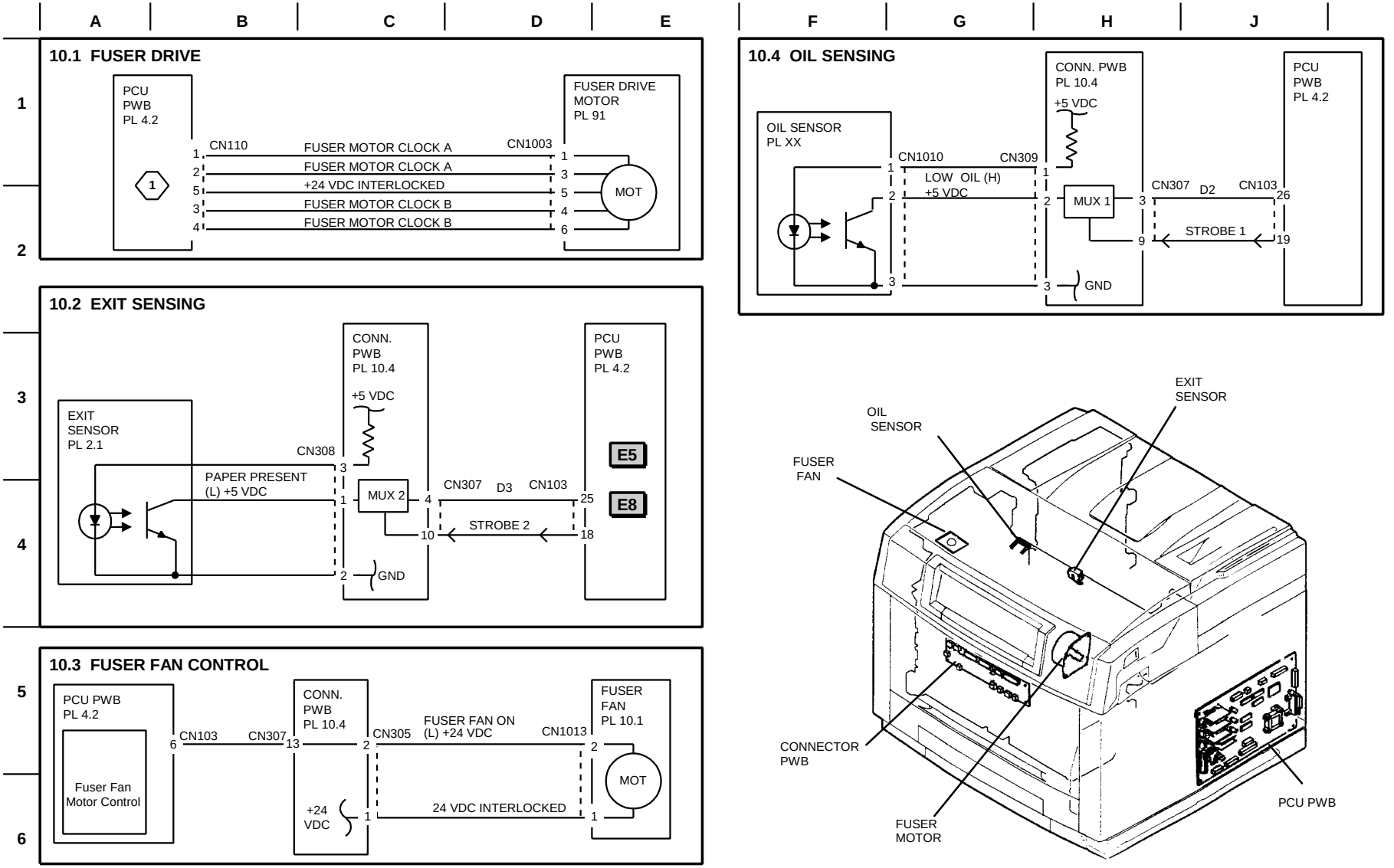
9.21 WASTE TONER FULL CONTROL





Status Codes	Description
J7	Waste Toner bottle is full or not installed correctly.

XEROGRAPHICS
CHAIN 9 LEVEL 2
SHEET 10 0F 10

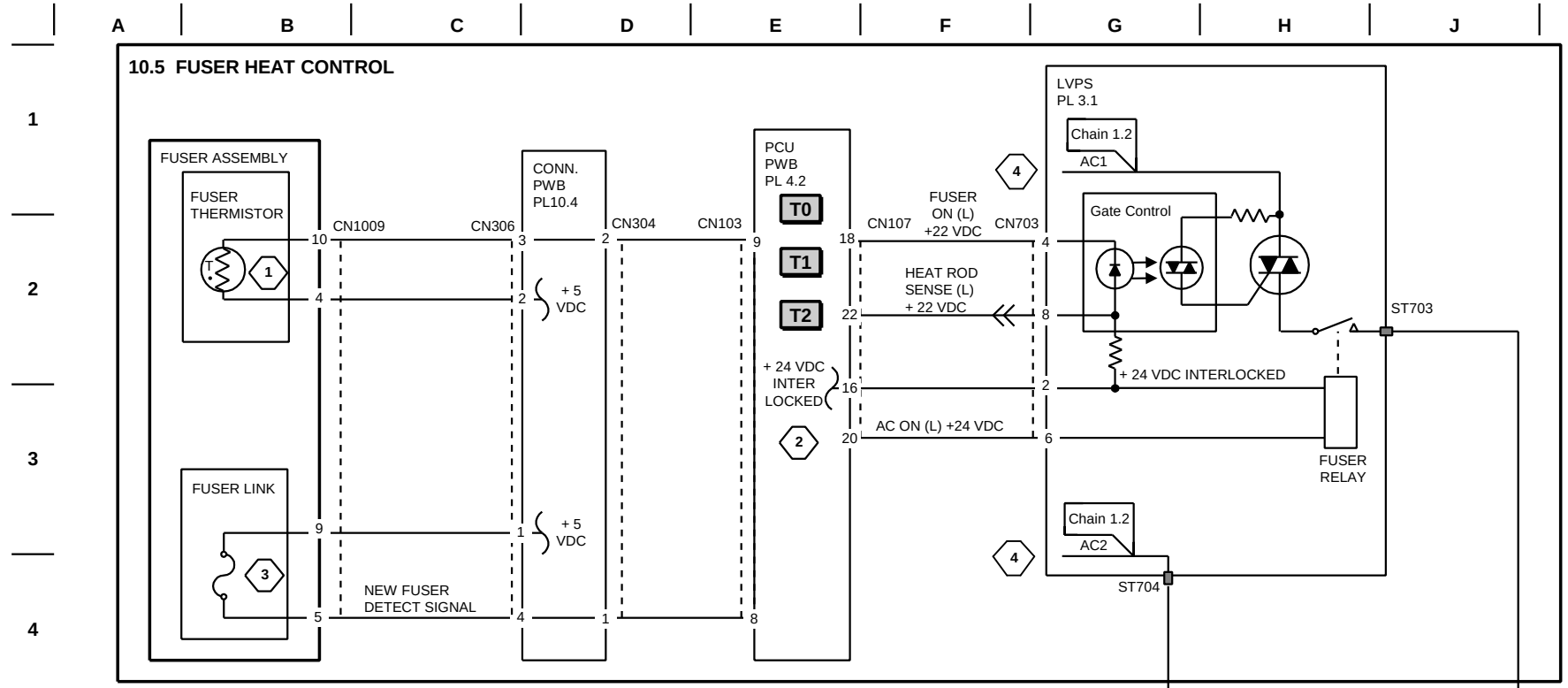


1 THE FUSER DRIVE MOTOR IS ROTATES AT THREE DIFFERENT SPEEDS.

1. SLOW SPEED IS USED WHEN A TRANSPARENCY IS MOVING THROUGH THE FUSER.
2. MEDIUM SPEED IS USED TO CAM THE CLEANER UP TO THE TRANSFER DRUM AND THEN ROTATE THE CLEANING BRUSH WHILE THE TRANSFER DRUM IS BEING CLEANED.
3. HIGH SPEED IS USED WHEN THE PRINT IS MOVING THROUGH THE FUSER.

Status Codes	Description
E5	Sheet did not reach Exit Sensor.
E8	Sheet on Exit Sensor at power on.

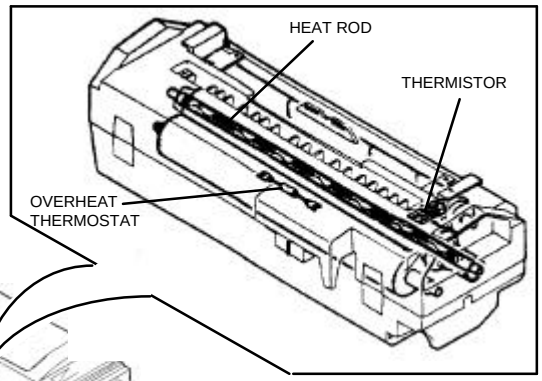
COPY TRANSPORTATION AND FUSING
CHAIN 10 LEVEL 2
SHEET 1 0F 2

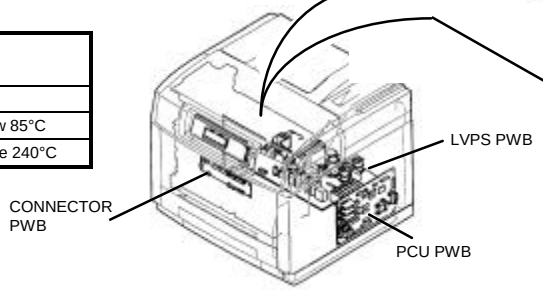


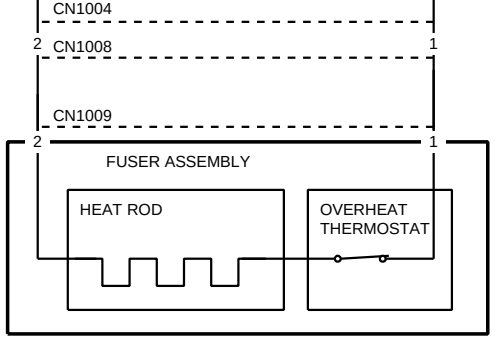
1. THE PCU USES INPUT FROM THE THERMISTOR TO GATE THE TRIAC AND SWITCH THE HEAT ROD ON.
   VOLTAGE AT CN103-9,
   COLD FUSER APPX. O VDC
   HOT FUSER APPX . 3.5 VDC
2. THE AC ON (L) SIGNAL SWITCHES THE AC OFF WHEN THE INTERLOCKS ARE OPEN, OR WHEN A MALFUNCTION OCCURS.
3. THE FUSER LINK IS USED TO DETECT WHEN A NEW FUSER ASSEMBLY IS INSTALLED. IT MELTS OPEN AND RESETS THE FUSER COUNT.
4. 115 VAC PRINTERS, AC1 = 115 VAC - AC2 = NEUTRAL

   220 VAC PRINTERS, AC1 = 110 VAC - AC2 = 110 VAC

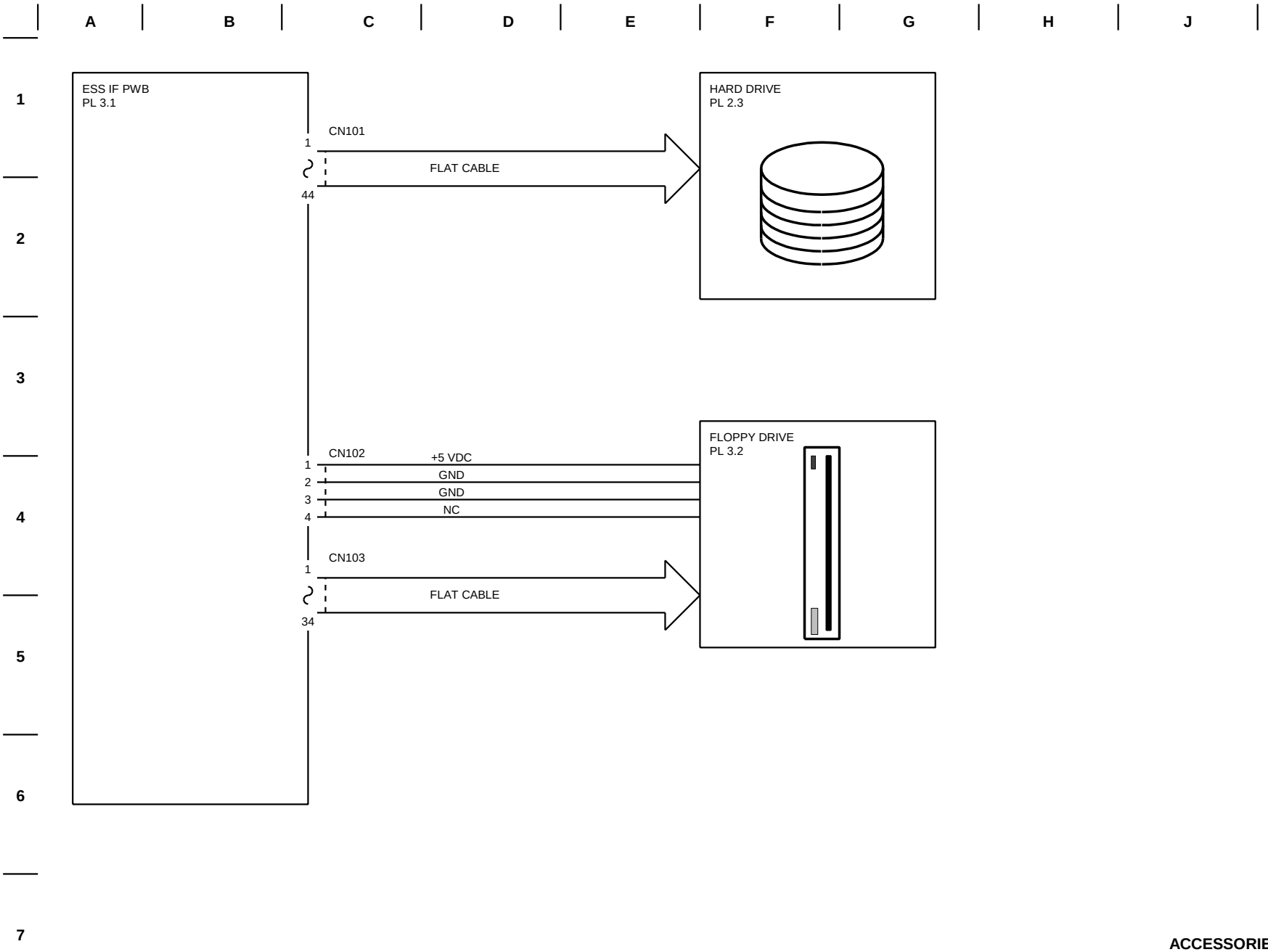
Status Codes	Description
T0	The Thermistor is open.
T1	The temperature is below 85°C
T2	The temperature is above 240°C







COPY TRANSPORTATION AND FUSING
CHAIN 10 LEVEL 2
SHEET 2 0F 2



ACCESSORIES
HARD DRIVE/MEDIA SERVER
CHAIN 13 LEVEL 2
SHEET 1 0F 1

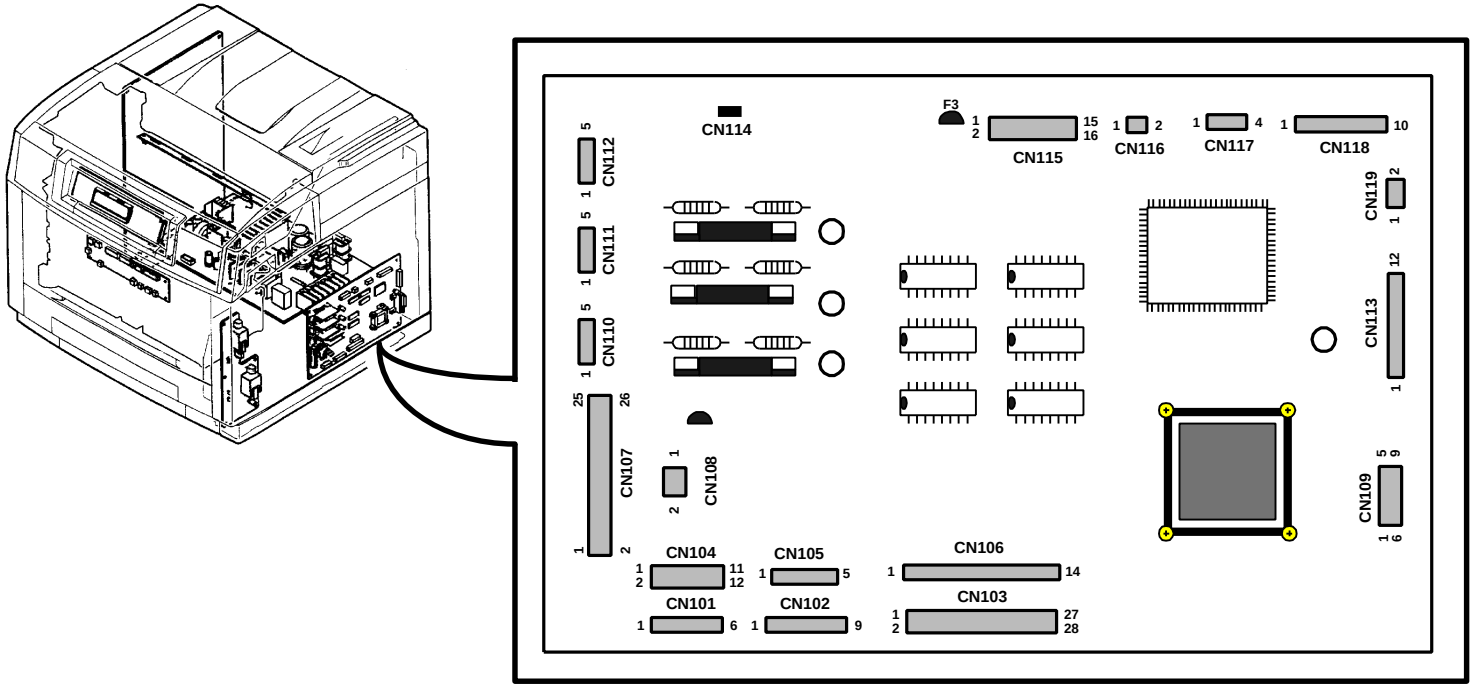


Figure 7-1. PCU Connectors

CN101	
Pin	Destination
1	Registration Clutch
2	Grounding Roller Clutch
3	Feed Solenoid
4	Registration Clutch
5	Feed Solenoid
6	Grounding Roller Clutch

CN102	
Pin	Destination
1	CN1007-1 Waste Bot. Full
2	CN1007-3 Waste Bot. Full
3	CN1007-2 Waste Bot Full
4	Paper Empty Sensor
5	Paper Empty Sensor
6	Paper Empty Sensor
7	Paper In (Reg.) Sensor
8	Paper In (Reg.) Sensor
9	Paper In (Reg.) Sensor

CN103	
Pin	Destination
1	CN307-12 Conn. PWB
2	CN307-11 Conn. PWB
3	CN315-1 Conn. PWB
4	CN307-14 Conn. PWB
5	CN307-15 Conn. PWB
6	CN307-13 Conn. PWB
7	CN304-6 Conn. PWB
8	CN304-1 Conn. PWB
9	CN304-2 Conn. PWB
10	CN304-5 Conn. PWB
11	CN304-3 Conn. PWB
12	CN304-4 Conn. PWB
13	CN307-6 Conn. PWB
14	CN307-8 Conn. PWB
15	CN307-5 Conn. PWB
16	CN307-7 Conn. PWB
17	CN315-2 Conn. PWB
18	CN307-10 Conn. PWB
19	CN307-9 Conn. PWB
20	CN315-7 Conn. PWB
21	CN315-6 Conn. PWB
22	CN315-5 Conn. PWB
23	CN315-4 Conn. PWB
24	CN315-3 Conn. PWB
25	CN307-4 Conn. PWB
26	CN307-3 Conn. PWB
27	CN307-2 Conn. PWB
28	CN307-1 Conn. PWB

CN104	
Pin	Destination
1	CN104-9 ESS PWB
2	CN104-5 ESS PWB
3	No Connection
4	No Connection
5	CN104-11 ESS PWB
6	CN104-7 ESS PWB
7	CN104-12 ESS PWB
8	CN104-3 ESS PWB
9	CN104-6 ESS PWB
10	CN104-4 ESS PWB
11	CN104-8 ESS PWB
12	CN104-10 ESS PWB

CN105	
Pin	Destination
1	Temp/Humid Sensor-1
2	Temp/Humid Sensor-2
3	Temp/Humid Sensor-3
4	Temp/Humid Sensor-4
5	Temp/Humid Sensor-5

CN106	
Pin	Destination
1	CN801-1 HVPS
2	CN801-2 HVPS
3	CN801-3 HVPS
4	No Connection
5	CN801-4 HVPS
6	CN802-1 HVPS
7	CN801-7 HVPS
8	CN801-5 HVPS
9	CN801-6 HVPS
10	CN802-2 HVPS
11	CN802-3 HVPS
12	CN802-4 HVPS
13	CN802-5 HVPS
14	CN801-8 HVPS

CN107	
Pin	Destination
1	CN1001-7 Bk Dev. Unit
2	CN1001-4 Bk Dev. Unit
3	CN1001-1 Bk Dev. Unit
4	CN1001-3 Bk Dev. Unit
5	CN201-3 Cassette PWB
6	CN201-4 Cassette PWB
7	CN201-5 Cassette PWB
8	CN201-6 Cassette PWB
9	CN201-7 Cassette PWB
10	CN201-8 Cassette PWB
11	CN201-9 Cassette PWB
12	CN201-10 Cassette PWB
13	CN201-1 Cassette PWB
14	CN201-2 Cassette PWB
15	CN703-1 Power Supply
16	CN703-2 Power Supply
17	CN703-3 Power Supply
18	CN703-4 Power Supply
19	CN703-5 Power Supply
20	CN703-6 Power Supply
21	CN703-7 Power Supply
22	CN703-8 Power Supply
23	CN703-9 Power Supply
24	CN703-10 Power Supply
25	CN703-11 Power Supply
26	CN703-12Power Supply

CN108	
Pin	Destination
1	CN707-1 Power Supply
2	CN707-2 Power Supply

CN109	
Pin	Destination
1	CN3-1Cassette Harness
2	CN3-2Cassette Harness
3	CN3-3Cassette Harness
4	CN3-4Cassette Harness
5	CN3-5Cassette Harness
6	CN3-6Cassette Harness
7	CN3-7Cassette Harness
8	CN3-8Cassette Harness
9	CN3-9Cassette Harness

CN110	
Pin	Destination
1	CN1003-1 Fusing Motor
2	CN1003-3 Fusing Motor
3	CN1003-4 Fusing Motor
4	CN1003-6 Fusing Motor
5	CN1003-5 Fusing Motor

CN111	
Pin	Destination
1	Paper Feed Motor
2	Paper Feed Motor
3	Paper Feed Motor
4	Paper Feed Motor
5	Paper Feed Motor

CN112	
Pin	Destination
1	Main Motor
2	Main Motor
3	Main Motor
4	Main Motor
5	Main Motor

CN113	
Pin	Destination
1	CN1007-2 Laser Intlk.
2	Laser Scanning Unit
3	Laser Scanning Unit
4	Laser Scanning Unit
5	Laser Scanning Unit
6	Laser Scanning Unit
7	Laser Scanning Unit
8	Laser Scanning Unit
9	Laser Scanning Unit
10	Laser Scanning Unit
11	Laser Scanning Unit
12	Laser Scanning Unit

CN114	
Pin	Destination
1	Interlock Switch

CN115	
Pin	Destination
1	Black Mag. Clutch
2	Black Mag. Clutch
3	Cyan Mag. Clutch
4	Cyan Mag. Clutch
5	Magenta Mag. Clutch
6	Magenta Mag. Clutch
7	Yellow Mag. Clutch
8	Yellow Mag. Clutch
9	Mag. Roll Cleaner Sol.
10	Mag. Roll Cleaner Sol.
11	Cyan Toner Sol.
12	Cyan Toner Sol.
13	Magenta Toner Sol.
14	Magenta Toner Sol.
15	Yellow Toner Sol.
16	Yellow Toner Sol.

CN116	
Pin	Destination
1	Color Toner Motor
2	Color Toner Motor

CN117	
Pin	Destination
1	CN1005-1 Dev. Motor
2	CN1005-2 Dev. Motor
3	CN1005-3 Dev. Motor
4	CN1005-4 Dev. Motor

CN118	
Pin	Destination
1	CN1009-10 Color Dev.
2	CN1009-11 Color Dev.
3	CN1009-9 Color Dev.
4	CN1009-7 Color Dev.
5	CN1009-21 Color Dev.
6	CN1009-17Color Dev.
7	CN1009-15 Color Dev.
8	CN1009-8 Color Dev.
9	CN1009-16 Color Dev.
10	CN1009-22 Color Dev.

CN119	
Pin	Destination
1	Exhaust Fan CN1006-1
2	Exhaust Fan CN1006-2

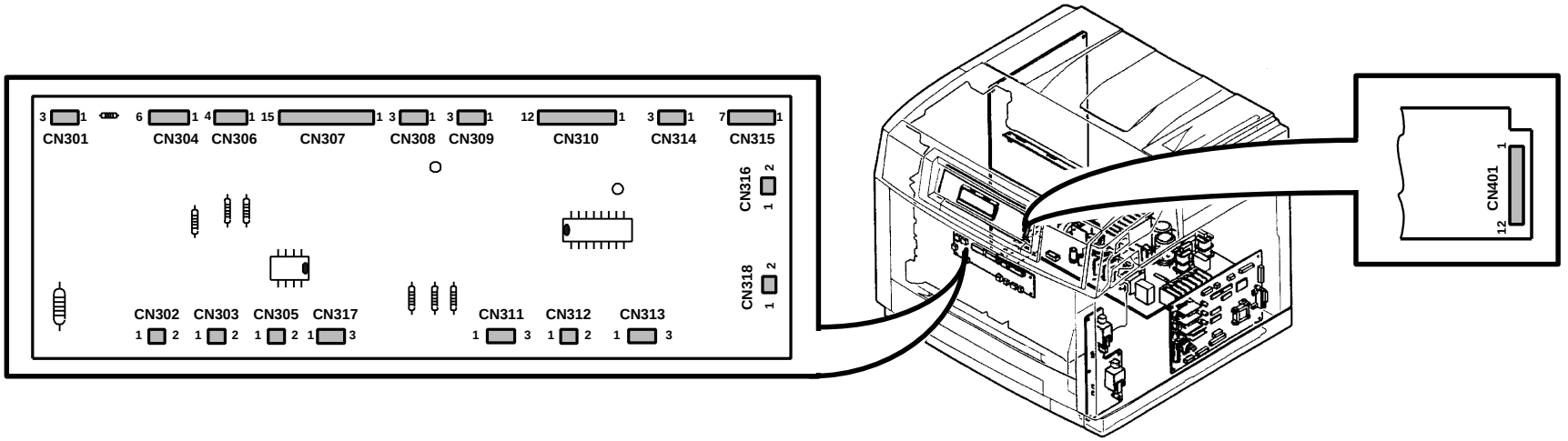


Figure 7-2. Connector PWB Connectors

CN301	
Pin	Destination
1	CN401-1 Gamma PWB
2	CN401-2 Gamma PWB
3	CN401-3 Gamma PWB
CN302	
Pin	Destination
1	CN501-1 Discharge Lamp
2	CN501-2 Discharge Lamp
CN303	
Pin	Destination
1	Stripper Solenoid
2	Stripper Solenoid
CN304	
Pin	Destination
1	CN103-8 PCU PWB
2	CN103-9 PCU PWB
3	CN103-11 PCU PWB
4	CN103-12 PCU PWB
5	CN103-10 PCU PWB
6	CN103-7PCU PWB
CN305	
Pin	Destination
1	CN1013-1 Fan Motor
2	CN1013-2 Fan Motor
CN306	
Pin	Destination
1	CN1009-4 Fuser Assy.
2	CN1009-9 Fuser Assy.
3	CN1009-10 Fuser Assy.
4	CN1009-5 Fuser Assy.

CN307	
Pin	Destination
1	CN103-28 PCU PWB
2	CN103-27 PCU PWB
3	CN103-26 PCU PWB
4	CN103-25 PCU PWB
5	CN103-15 PCU PWB
6	CN103-13 PCU PWB
7	CN103-16 PCU PWB
8	CN103-14 PCU PWB
9	CN103-19 PCU PWB
10	CN103-18 PCU PWB
11	CN103-2 PCU PWB
12	CN103-1 PCU PWB
13	CN103-6 PCU PWB
14	CN103-4 PCU PWB
15	CN103-5 PCU PWB
CN308	
Pin	Destination
1	Paper Exit Sensor
2	Paper Exit Sensor
3	Paper Exit Sensor
CN309	
Pin	Destination
1	Oil Sensor CN1010-1
2	Oil Sensor CN1010-2
3	Oil Sensor CN1010-3
CN310	
Pin	Destination
1	CN401-1 Control Panel
2	CN401-2 Control Panel
3	CN401-3 Control Panel

4	CN401-4 Control Panel
5	CN401-5 Control Panel
6	CN401-6 Control Panel
7	CN401-7 Control Panel
8	CN401-8 Control Panel
9	CN401-9 Control Panel
10	CN401-11 Control Panel
11	CN401-10 Control Panel
12	CN401-12 Control Panel
CN311	
Pin	Destination
1	CN601-1 Transparency Sen.
2	CN601-2 Transparency Sen.
3	CN601-3 Transparency Sen.
CN312	
Pin	Destination
1	Bypass Switch
2	Bypass Switch
CN313	
Pin	Destination
1	CN1001-1 Transfer Drum Home Position Sensor
2	CN1001-2 Transfer Drum Home Position Sensor
3	CN1001-3 Transfer Drum Home Position Sensor
CN314	
Pin	Destination
1	Transparency JamSensor CN1011-3
2	Transparency Jam Sensor CN1011-2

3	Transparency Jam Sensor CN1011-1
CN315	
Pin	Destination
1	CN103-3 PCU PWB
2	CN103-17 PCU PWB
3	CN103-24 PCU PWB
4	CN103-23 PCU PWB
5	CN103-22 PCU PWB
6	CN103-21 PCU PWB
7	CN103-20 PCU PWB
CN316	
Pin	Destination
1	Transfer Drum Clean Sol.
2	Transfer Drum Clean Sol.
CN317	
Pin	Destination
1	Txfer Discharge Corotron-1
2	No Connection
3	Txfer Discharge Corotron-3
CN318	
Pin	Destination
1	Cleaner Jam Switch
2	Cleaner Jam Switch

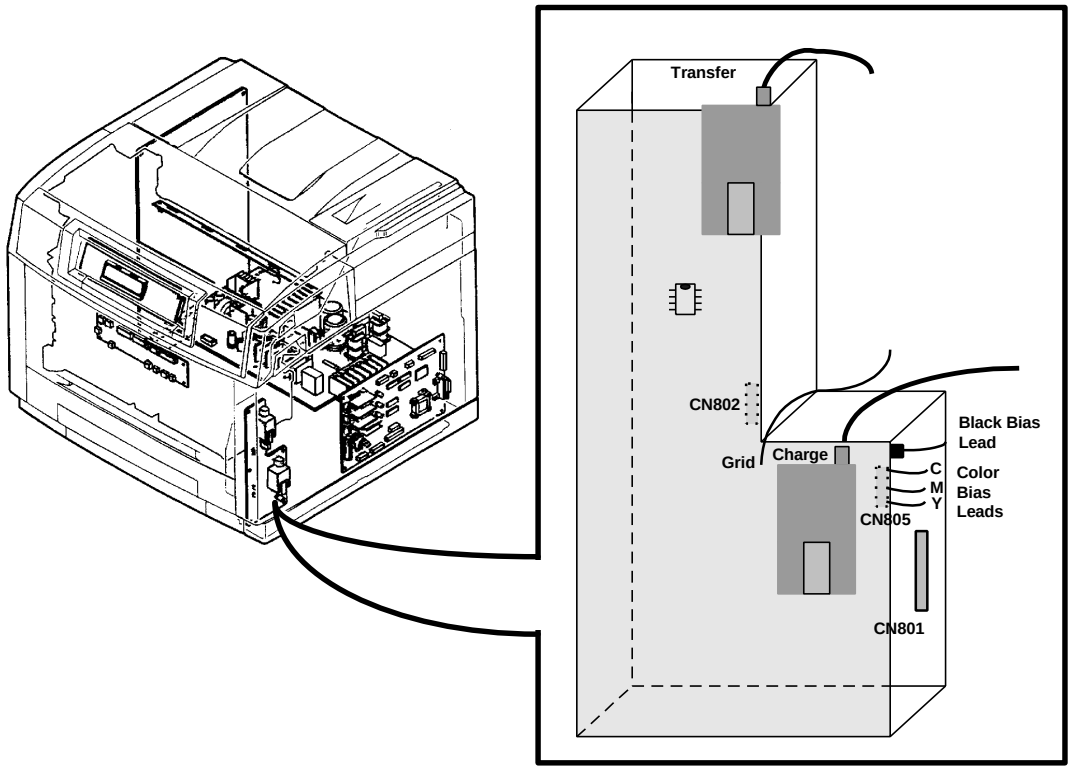


Figure7-3. High Voltage Power Supply PWB Connectors

CN801	
Pin	Destination
1	CN106-1 PCU PWB
2	CN106-2 PCU PWB
3	CN106-3 PCU PWB
4	CN106-5 PCU PWB
5	CN106-8 PCU PWB
6	CN106-9 PCU PWB
7	CN106-7 PCU PWB
8	CN106-14 PCU PWB

CN802	
Pin	Destination
1	CN106-6 PCU PWB
2	CN106-10 PCU PWB
3	CN106-11 PCU PWB
4	CN106-12 PCU PWB
5	CN106-13 PCU PWB

CN803	
1	CN1009-24 Color Dev Assy.
3	CN1009-13 Color Dev Assy.
5	CN1009-2 Color Dev Assy.
Black Developer Bias	
Pin	Destination
NA	CN1001-8 Black Dev Assy

Charge Connector	
Pin	Destination
NA	Charge Spring Plate
Grid Connector	
Pin	Destination
NA	Grid Spring Plate
Transfer Connector	
Pin	Destination
NA	Transfer Spring Plate

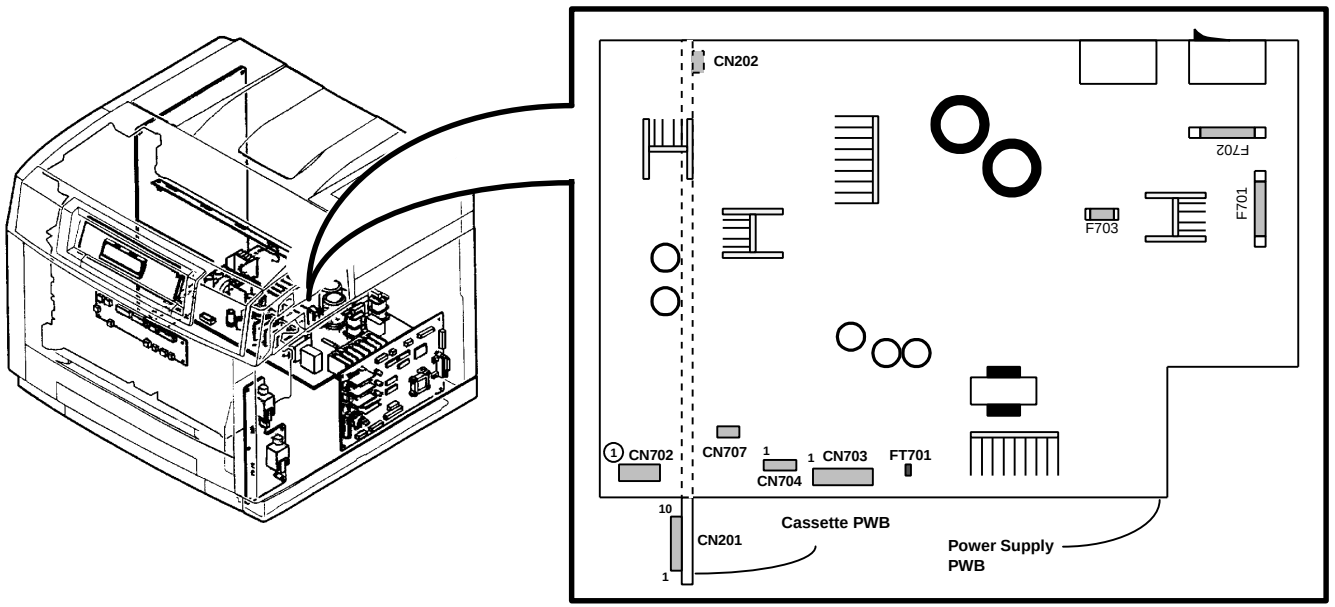


Figure 7-4. Low VoltagePower Supply PWB/Cassette PWB Connectors

Power Supply PWB

FT701	
Pin	Destination
1	Interlock Switch

CN702	
Pin	Destination
1	CN104-1 ESS PWB
2	CN104-2 ESS PWB
3	CN104-13 ESS PWB
4	CN104-14 ESS PWB
5	CN104-15 ESS PWB
6	CN104-16 ESS PWB
7	CN104-17 ESS PWB
8	CN104-18 ESS PWB
9	CN104-19 ESS PWB
10	CN104-20 ESS PWB

CN703	
Pin	Destination
1	CN107-15 PCU PWB
2	CN107-16 PCU PWB
3	CN107-17 PCU PWB
4	CN107-18 PCU PWB
5	CN107-19 PCU PWB
6	CN107-20 PCU PWB
7	CN107-21 PCU PWB
8	CN107-22 PCU PWB
9	CN107-23 PCU PWB
10	CN107-24 PCU PWB
11	CN107-25 PCU PWB
12	CN107-26 PCU PWB

CN704	
Pin	Destination
1	Photoreceptor Module
2	Photoreceptor Module
3	Photoreceptor Module

CN707	
Pin	Destination
1	CN108-1 PCU PWB
2	CN108-2 PCU PWB

Cassette PWB

CN201	
Pin	Destination
1	CN107-13 PCU PWB
2	CN107-14 PCU PWB
3	CN107-5 PCU PWB
4	CN107-6 PCU PWB
5	CN107-7 PCU PWB
6	CN107-8 PCU PWB
7	CN107-9 PCU PWB
8	CN107-10 PCU PWB
9	CN107-11 PCU PWB
10	CN107-12 PCU PWB

CN202	
Pin	Destination
1	FT1003-1 Black Toner Mot.
2	FT1003-2 Black Toner Mot.

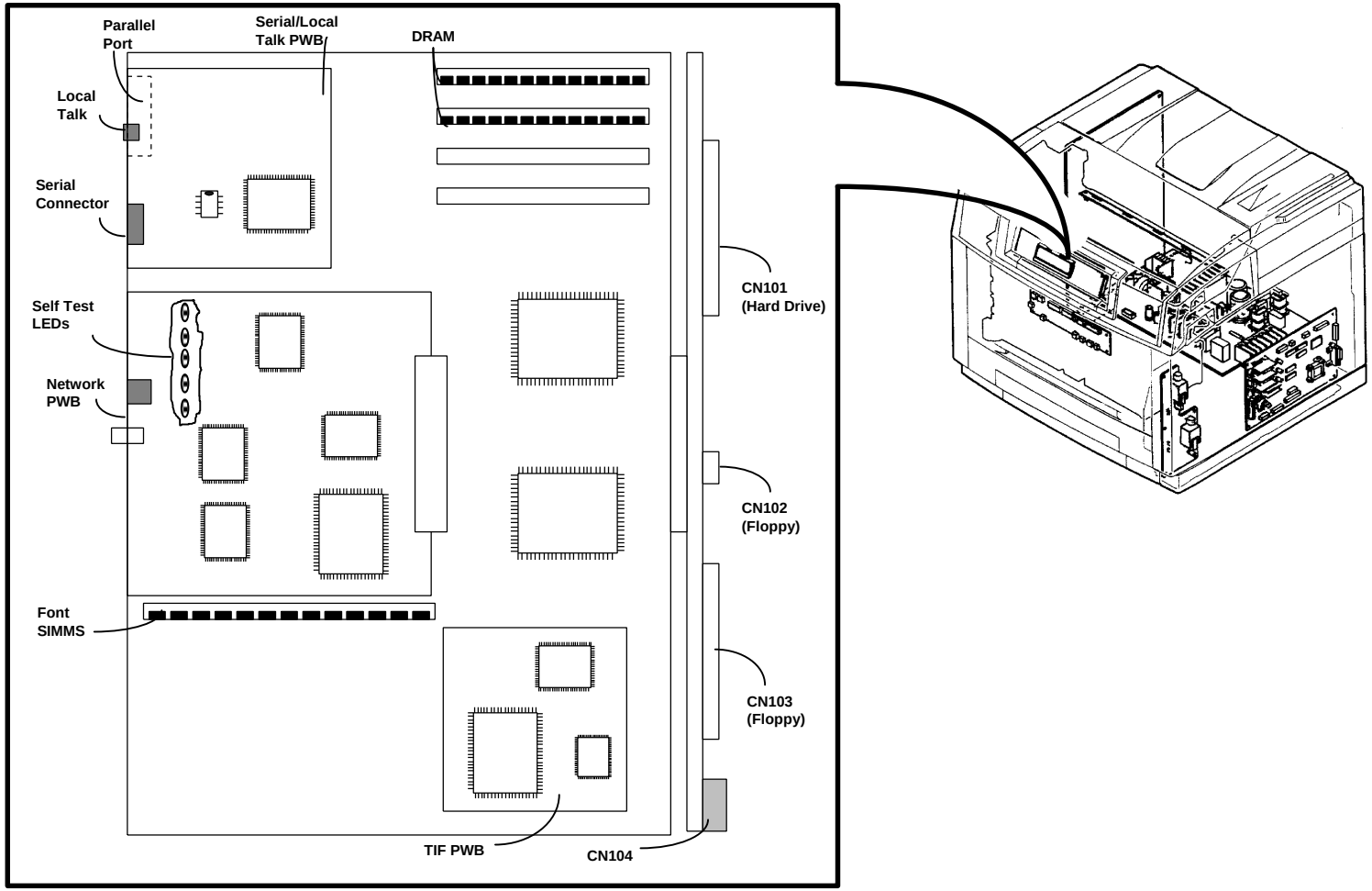


Figure 7-5. (C55/C55mp) ESS PWB Connectors

CN104	
Pin	Destination
1	CN702-1 LVPS
2	CN702-2 LVPS
3	CN104-8 PCU PWB
4	CN104-10 PCU PWB

5	CN104-2 PCU PWB
6	CN104-9 PCU PWB
7	CN104-6 PCU PWB
8	CN104-11 PCU PWB
9	CN104-1 PCU PWB
10	CN104-12 PCU PWB

11	CN104-5 PCU PWB
12	CN104-7 PCU PWB
13	CN702-3 LVPS
14	CN702-4 LVPS
15	CN702-5 LVPS
16	CN702-6 LVPS

17	CN702-7 LVPS
18	CN702-8 LVPS
19	CN702-9 LVPS
20	CN702-10 LVPS

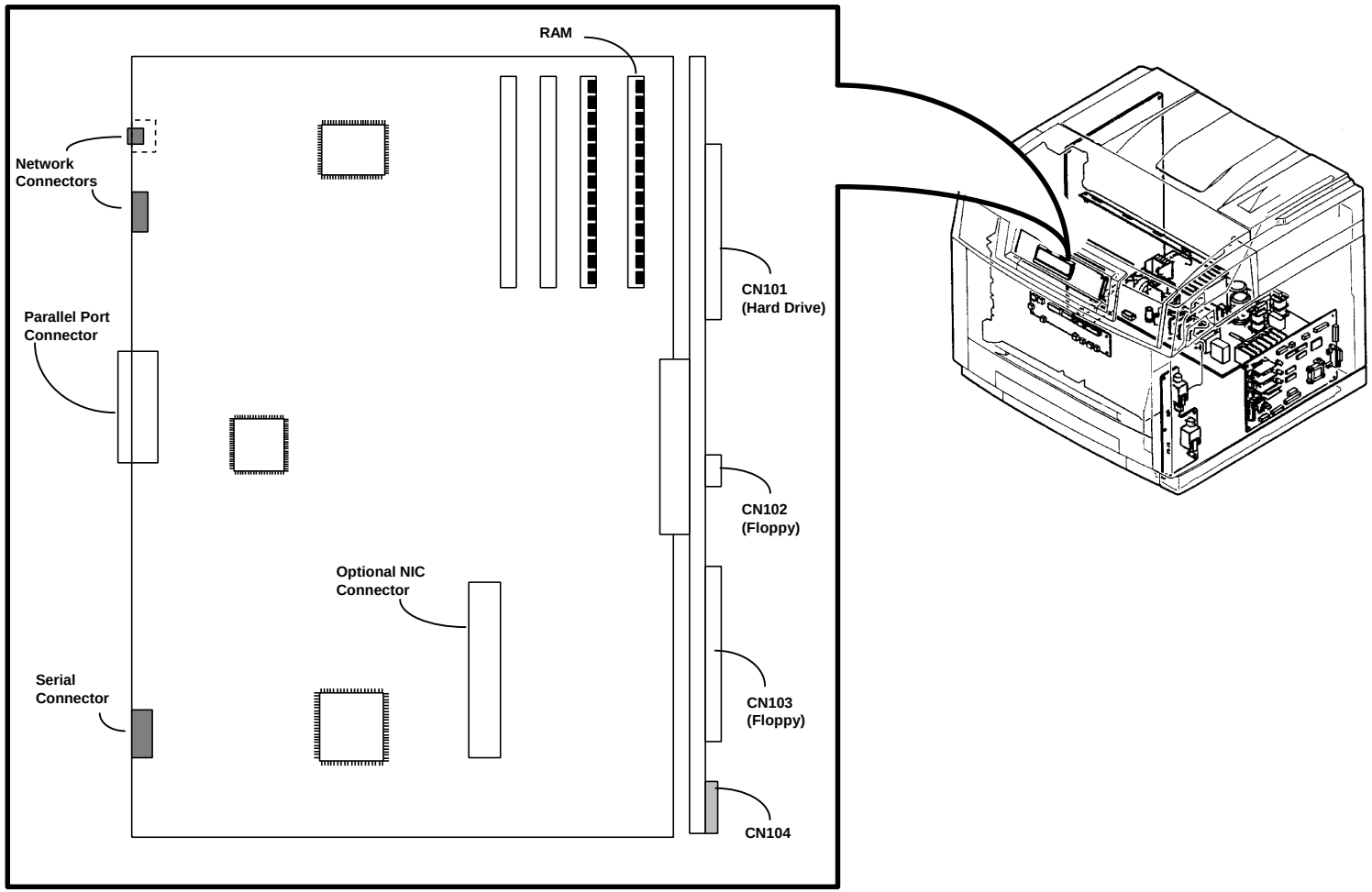


Figure 7-6. [NC60] ESS PWB Connectors

CN104	
Pin	Destination
1	CN702-1 LVPS
2	CN702-2 LVPS
3	CN104-8 PCU PWB
4	CN104-10 PCU PWB

5	CN104-2 PCU PWB
6	CN104-9 PCU PWB
7	CN104-6 PCU PWB
8	CN104-11 PCU PWB
9	CN104-1 PCU PWB
10	CN104-12 PCU PWB

11	CN104-5 PCU PWB
12	CN104-7 PCU PWB
13	CN702-3 LVPS
14	CN702-4 LVPS
15	CN702-5 LVPS
16	CN702-6 LVPS

17	CN702-7 LVPS
18	CN702-8 LVPS
19	CN702-9 LVPS
20	CN702-10 LVPS