General Timing Chart / General Circuit Diagram

LBP2410 Series

Canon

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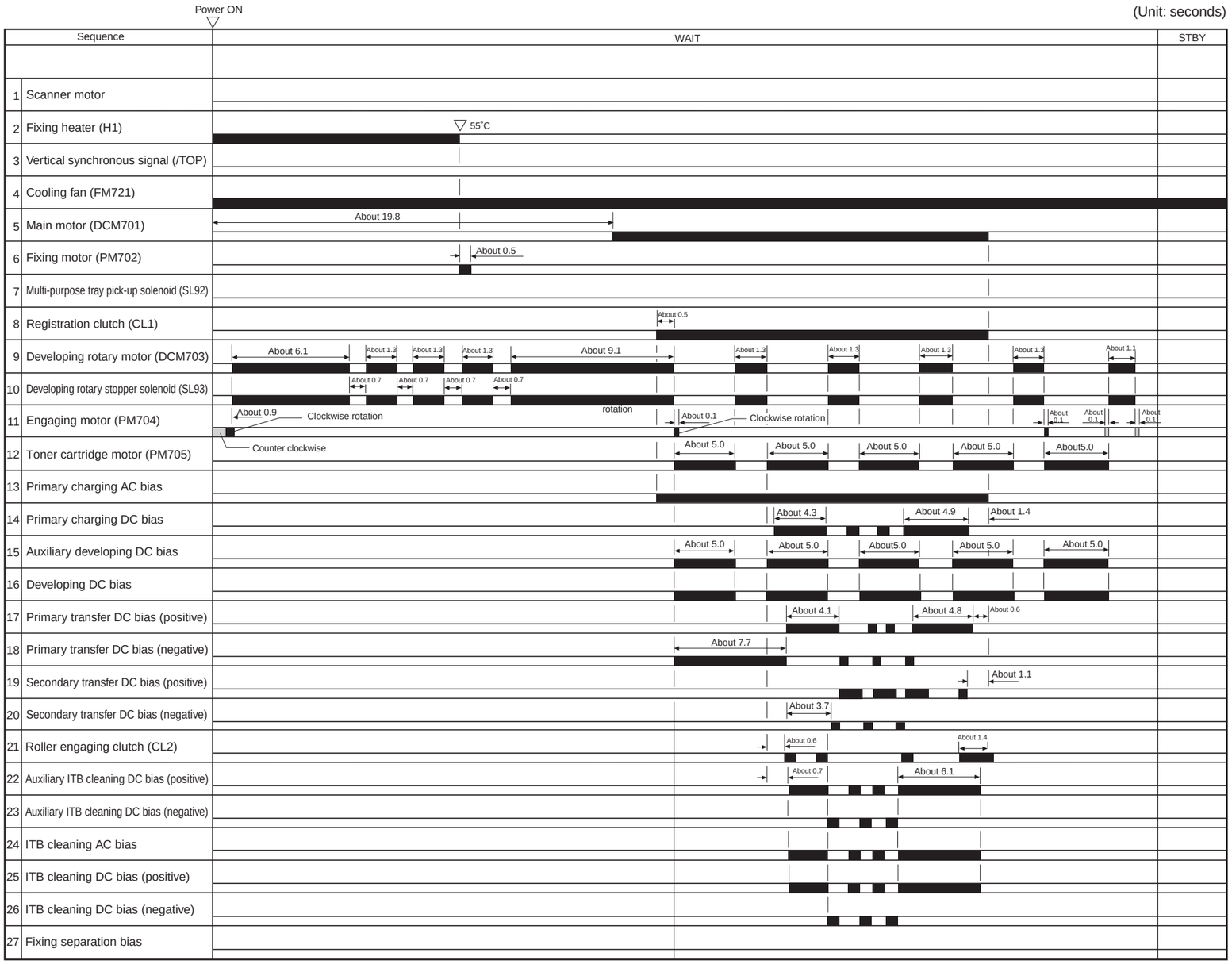
Contents

1 General Timing Chart 1
Timing chart for WAIT period 1
Timing chart for printing on one normal paper in the full color mode (normal speed) 1
Timing chart for printing on one special paper in the full color mode (half speed) 2
2 General Circuit Diagram 5
Signal Names 5
General Circuit Diagram 19

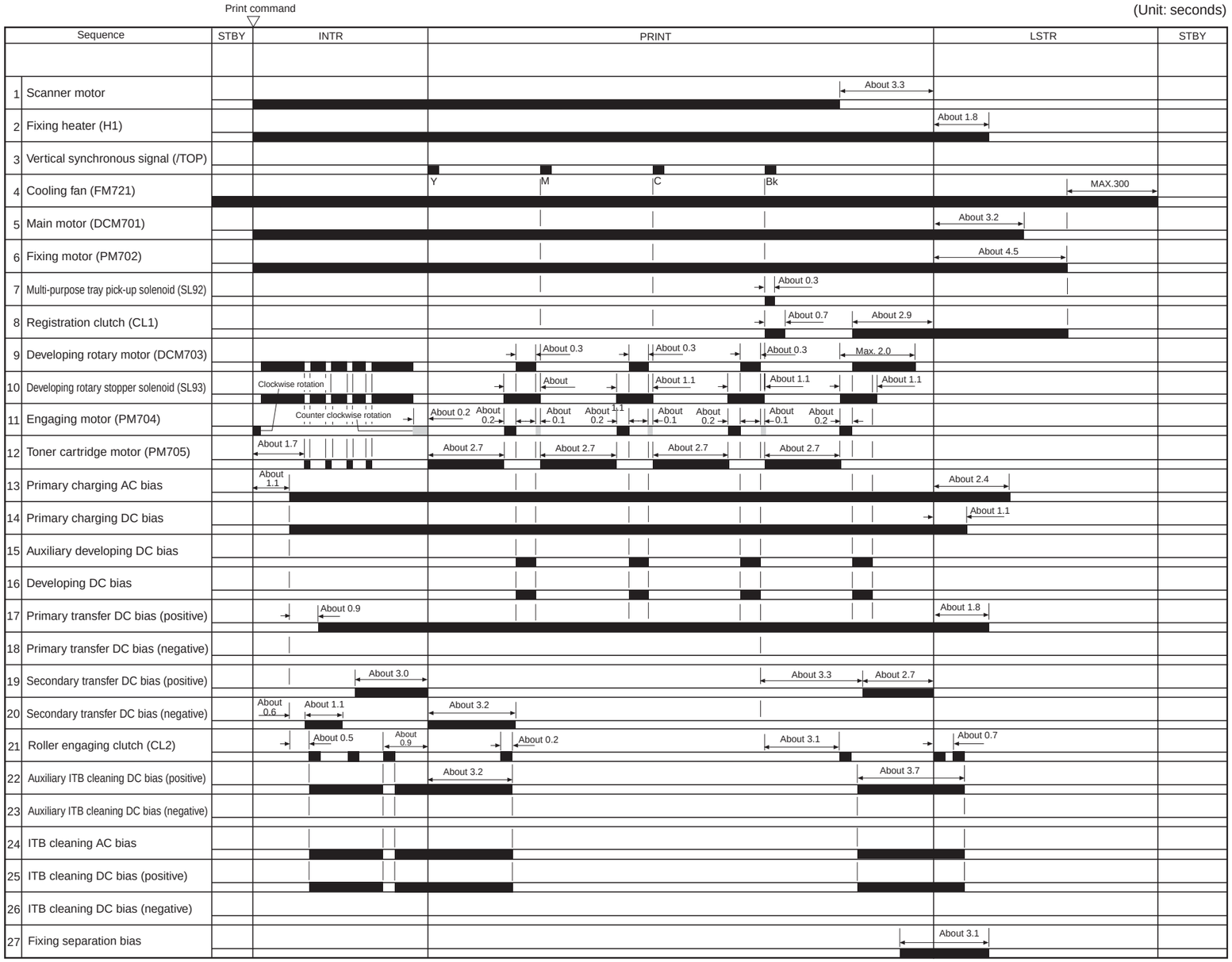
1 General Timing Chart

Timing chart for WAIT period



F-1-1

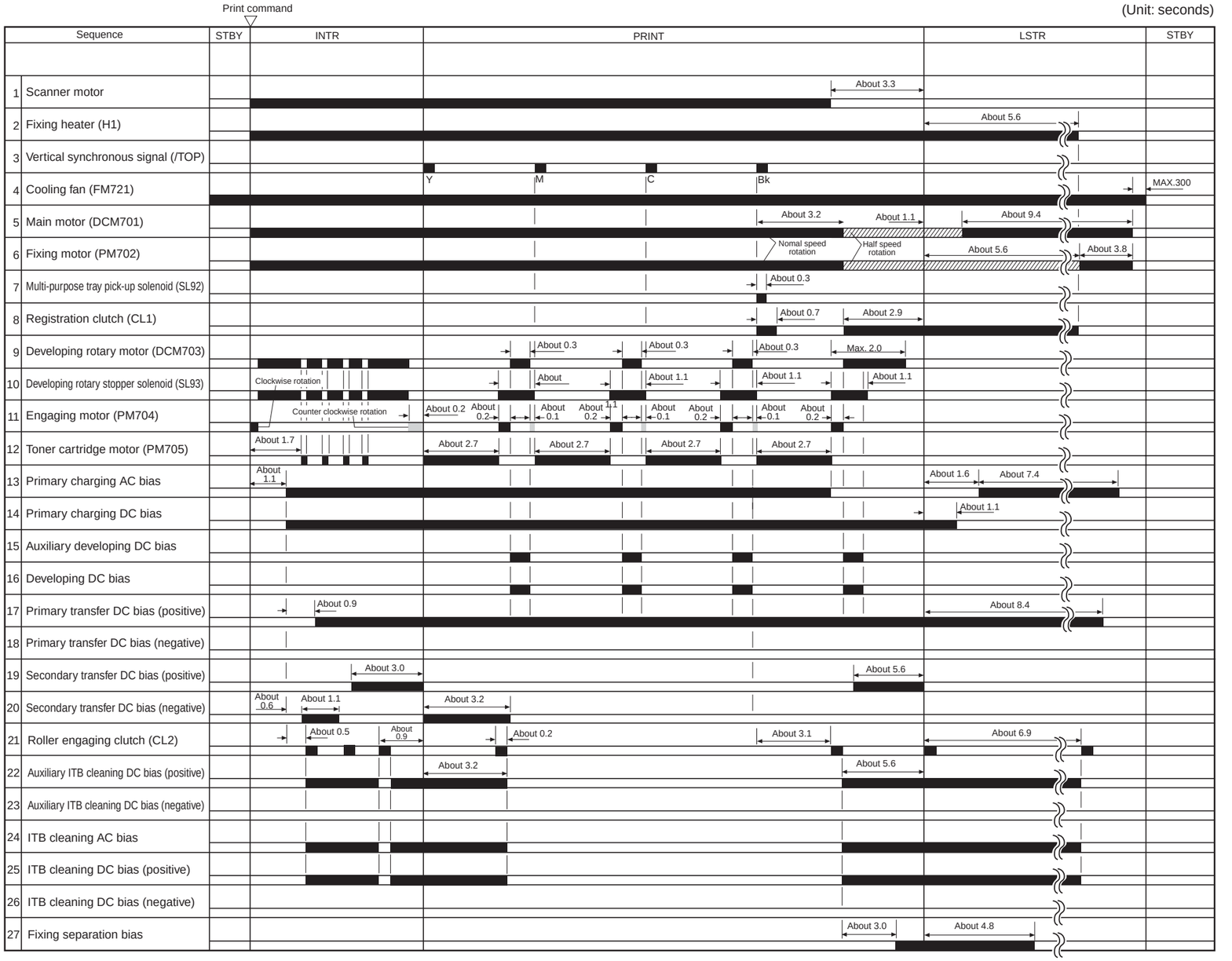
Timing chart for printing on one normal paper in the full color mode (normal speed)



F-1-2

Timing chart for printing on one special paper in the full color mode (half speed)

(Unit: seconds)



F-1-3

T-2-1

Connector	Pin	Abbreviation	I/O	Logic	Signal name
J101	1	+5V			
	2	GND			
	3	VDI1	I	H	VIDEO signal 1
	4	/VDI1	I	L	VIDEO signal 1
	5	GND			
	6	VDI2	I	H	VIDEO signal 2
	7	/VDI2	I	L	VIDEO signal 2
	8	GND			
	9	GND			
	10	/CCRT	O	L	STATUS CHANGE NOTIFY signal
	11	/TOP	O	L	VERTICAL SYNCHRONOUS signal
	12	SCLK	I	Clock	SERIAL CLOCK signal
	13	SC	I/O		STATUS COMMAND signal
	14	GND			
	15	/BDO	O	L	HORIZONTAL SYNCHRONOUS signal
J102	1	N.C			
	2	VDO1	O	H	VIDEO signal 1
	3	GND			
	4	/VDO1	O	L	VIDEO signal 1
	5	CNT0	O	H	LASER CONTROL signal 0
	6	CNT1	O	H	LASER CONTROL signal 1
	7	CNT2	O	H	LASER CONTROL signal 2
	8	VDO2	O	H	VIDEO signal 2
	9	GND			
	10	/VDO2	O	L	VIDEO signal 2
	11	PDOUT	I	Analog	LASER CURRENT MONITOR signal
	12	GND			

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	13	+5V	O		
J103	1	+24VB	O		
	2	/ACC	O	L	SCANNER MOTOR ACCELERATION signal
	3	/DEC	O	L	SCANNER MOTOR DECELERATION signal
	4	24VGND			
	5	+5V	O		
	6	/BDI	I	Pulse	BD INPUT signal
	7	GND			
J104	1	+24VA	O		
	2	/RHLDSLD	O	L	DEVELOPING ROTARY STOPPER SOLENOID DRIVE signal
J105	1	GND			
	2	ENCSNS2	I		ROTARY MOTOR ROTATION DETECTION signal 2
	3	ENCSNS1	I		ROTARY MOTOR ROTATION DETECTION signal 1
	4	+5V	O		
	5	ROTMA	O		DEVELOPING ROTARY MOTOR DRIVE signal
	6	/ROTMA	O		DEVELOPING ROTARY MOTOR DRIVE signal
	7	ROTMB	O		DEVELOPING ROTARY MOTOR DRIVE signal
	8	/ROTMB	O		DEVELOPING ROTARY MOTOR DRIVE signal
J106	1	SLVMOUTA	O		TONER CARTRIDGE MOTOR DRIVE signal
	2	/SLVMOUTA	O		TONER CARTRIDGE MOTOR DRIVE signal
	3	SLVMOUTB	O		TONER CARTRIDGE MOTOR DRIVE signal
	4	/SLVMOUTB	O		TONER CARTRIDGE MOTOR DRIVE signal
J107	1	+P3.3V	O		
	2	GND			
	3	REGS	I	H	REGISTRATION PAPER DETECTION signal

Connector	Pin	Abbreviation	I/O	Logic	Signal name
J108	1	P3.3V	O		
	2	GND			
	3	WASTONS	I	H	WASTE TONER DETECTION signal
J109	1	DENSREF	O		LED EMISSION DRIVE signal
	2	GND			
	3	+5V	O		
	4	DENSS	I		DENSITY DETECTION signal S
	5	DENSP	I		DENSITY DETECTION signal P
	6	+5V	O		
	7	TOPLED	O	H	LED EMISSION DRIVE signal
	8	GND			
	9	TOPSNS	I	H	ITB HOME POSITION DETECTION signal
	10	+3.3V			
	11	/TESTP	I	L	TEST PRINT EXECUTION signal
J110	1	+3.3V	O		
	2	GND			
	3	MPPAS	I	H	MULTI-PURPOSE TRAY PAPER DETECTION signal
	4	+24VGND			
	5	/MAIMACC	O	L	MAIN MOTOR ACCELERATION signal
	6	/MAIMDEC	O	L	MAIN MOTOR DECELERATION signal
	7	MAIMFG	I	Pulse	MAIN MOTOR SPEED DETECTION signal
	8	+24VB	O		
J112	1	+24VA	O		
	2	/MPSLD	O	L	MULTI-PURPOSE TRAY PICK-UP SOLENOID DRIVE signal
J113	1	+24VA	O		
	2	/REGCLD	O	L	REGISTRATION CLUTCH DRIVE signal
J114	1	+24VA	O		
	2	/TR2CLD	O	L	ROLLER ENGAGING CLUTCH DRIVE signal

Connector	Pin	Abbreviation	I/O	Logic	Signal name
J115	1	+3.3V	O		
	2	GND			
	3	ICLRSNS	I	H	SECONDARY TRANSFER ROLLER HOME POSITION DETECTION signal
J118	1	N.C			
	2	N.C			
	3	N.C			
	4	N.C			
	5	N.C			
	6	GND			
	7	+24VB	O		
	8	GND			
	9	+3.3V	O		
	10	GND			
	11	OP1PAS	I	H	250-SHEET PAPER FEEDER PAPER DETECTION signal
	12	OP1SNS	I	H	250-SHEET PAPER FEEDER CASSETTE DETECTION signal
	13	OP1RTRYS	I	H	OPTION PAPER FEED DETECTION signal
	14	OP1SLD	O	H	250-SHEET PAPER FEEDER PICK-UP SOLENOID DRIVE signal
J119	1	+P3.3V	O		
	2	GND			
	3	FSROUTS	I	H	FIXING DELIVERY PAPER DETECTION signal
	4	FSRTH1	I	Analog	FIXING ROLLER TEMPERATURE DETECTION signal 1
	5	GND			
	6	FSRTH2	I	Analog	FIXING ROLLER TEMPERATURE DETECTION signal 2
	7	+3.3V	O		
J121	1	+24VA	I		
	2	+24VB	O		
J122	1	FSRMOUTA	O		FIXING MOTOR DRIVE signal
	2	/FSRMOUTA	O		FIXING MOTOR DRIVE signal

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	3	FSRMOUTB	O		FIXING MOTOR DRIVE signal
	4	/FSRMOUTB	O		FIXING MOTOR DRIVE signal
J123	1	FAN1D	O	H	FAN MOTOR DRIVE signal
	2	/FAN1S	I	L	FAN MOTOR LOCK DETECTION
					signal
	3	24VGND			
	4	DEVMOA	O		ENGAGING MOTOR DRIVE signal
	5	/DEVMOA	O		ENGAGING MOTOR DRIVE signal
	6	DEVMOB	O		ENGAGING MOTOR DRIVE signal
	7	/DEVMOB	O		ENGAGING MOTOR DRIVE signal
J125	1	+P3.3V	O		
	2	GND			
	3	DEVINIS	I	H	DEVELOPING ROTARY ENGAGING DETECTION signal
J126	1	+P3.3V	O		
	2	GND			
	3	TONS	I	H	TONER LEVEL DETECTION signal
	4	ROTHPS	I	H	DEVELOPING ROTARY HOME POSITION DETECTION signal
J127	1	TAGCRGA	I/O	Pulse	TONER CARTRIDGE COMMUNICATION signal 1
	2	TAGCRGB	I/O	Pulse	TONER CARTRIDGE COMMUNICATION signal 2
	3	GND			
J128	1	TAGIOA	I/O	Pulse	DRIVE CARTRIDGE COMMUNICATION signal 1
	2	TAGIOB	I/O	Pulse	DRIVE CARTRIDGE COMMUNICATION signal 2
	3	GND			
J133	1	+5V	I		
	2	GND			
	3	+3.3V	I		
	4	GND			

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	5	FSRD	O	H	FIXING HEATER DRIVE signal
	6	RLD+	O	H	RELAY DRIVE signal +
	7	RLD-	O	H	RELAY DRIVE signal -
	8	ZEROX	I	Pulse	ZERO CROSS DETECTION signal
J134	1	GND			
	2	GND			
	3	GND			
	4	GND			
	5	+24VB	I		
	6	+24VB	I		
	7	+24VB	I		
	8	+24VB	I		
J135	1	TR2S	I	Analog	SECONDARY TRANSFER CURRENT DETECTION signal
	2	+3.3V	O		
	3	RVTR2DCD	O	H	SECONDARY TRANSFER DC (NEGATIVE) BIAS DRIVE signal
	4	DEVPWM	O	Pulse	DEVELOPING DC BIAS VALUE CONTROL sigal
	5	DEVDCD	O	H	DEVELOPING DC BIAS DRIVE signal
	6	RSVDCD2	O	H	Auxiliary ITB CLEANING DC (NEGATIVE) BIAS DRIVE signal
	7	ICLDCD	O	H	ITB CLEANING DC (POSITIVE) BIAS DRIVE signal
	8	RVICLDCD	O	H	ITB CLEANING DC (NEGATIVE) BIAS DRIVE signal
	9	ICLCLK	O	H	ITB CLEANING AC BIAS DRIVE signal
	10	GND			
	11	24VGND			
	12	24VGND			
	13	ICLDCPWM	O	Pulse	ITB CLEANING DC BIAS VALUE CONTROL signal

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	14	RSVDCD1	O	H	Auxiliary ITB CLEANING DC (POSITIVE) BIAS DRIVE signal
J136	1	ICLACPWM	O	Pulse	ITB CLEANING AC BIAS VALUE CONTROL signal
	2	FSRPWM	O	Pulse	FIXING SEPARATION BIAS DRIVE signal
	3	+24VA	I		
	4	+24VA	I		
	5	CHGDCPWM	O	Pulse	PRIMARY CHARGING DC BIAS VALUE CONTROL signal
	6	CHGACPWM	O	Pulse	PRIMARY CHARGING AC BIAS VALUE CONTROL signal
	7	CHGSFT	O		PRIMARY CHARGING DC BIAS VALUE SWITCHING signal
	8	CRGDCD	O	Pulse	PRIMARY CHARGING CLOCK signal
	9	CHGCLK	O	H	PRIMARY CHARGING AC BIAS DRIVE signal
	10	TR1PWM	O	Pulse	PRIMARY TRANSFER BIAS VALUE CONTROL signal
	11	TR1DCD	O	H	PRIMARY TRANSFER DC (POSITIVE) BIAS DRIVE signal
	12	RVTR1DCD	O	H	PRIMARY TRANSFER DC (NEGATIVE) BIAS DRIVE signal
	13	TR1S	I	Analog	PRIMARY TRANSFER CURRENT DETECTION signal
	14	TR2PWM	O	Pulse	SECONDARY TRANSFER BIAS
					VALUE CONTROL signal
	15	TR2DCD	O	H	SECONDARY TRANSFER DC
					(POSITIVE) BIAS DRIVE signal
J137	1	SLVTH	I	Analog	INTERNAL TEMPERATURE
					DETECTION THERMISTOR DETECTION signal
	2	GND			

Connector	Pin	Abbreviation	I/O	Logic	Signal name
J138	1	+P3.3V	I		
	2	GND			
	3	FSRBSNS	O	H	FRONT FIXING PAPER DETECTION signal

T-2-2

Connector	Pin	Abbreviation	I/O	Logic	Signal name
J101	1	+5V			
	2	GND			
	3	VDI1	I	H	VIDEO signal 1
	4	/VDI1	I	L	VIDEO signal 1
	5	GND			
	6	VDI2	I	H	VIDEO signal 2
	7	/VDI2	I	L	VIDEO signal 2
	8	GND			
	9	GND			
	10	/CCRT	O	L	STATUS CHANGE NOTIFY signal
	11	/TOP	O	L	VERTICAL SYNCHRONOUS signal
	12	SCLK	I	Clock	SERIAL CLOCK signal
	13	SC	I/O		STATUS COMMAND signal
	14	GND			
	15	/BDO	O	L	HORIZONTAL SYNCHRONOUS signal
J102	1	N.C			
	2	VDO1	O	H	VIDEO signal 1
	3	GND			
	4	/VDO1	O	L	VIDEO signal 1
	5	CNT0	O	H	LASER CONTROL signal 0
	6	CNT1	O	H	LASER CONTROL signal 1
	7	CNT2	O	H	LASER CONTROL signal 2
	8	VDO2	O	H	VIDEO signal 2
	9	GND			
	10	/VDO2	O	L	VIDEO signal 2

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	11	PDOUT	I	Analog	LASER CURRENT MONITOR signal
	12	GND			
	13	+5V	O		
J103	1	+24VB	O		
	2	/ACC	O	L	SCANNER MOTOR ACCELERATION signal
	3	/DEC	O	L	SCANNER MOTOR DECELERATION signal
	4	24VGND			
	5	+5V	O		
	6	/BDI	I	Pulse	BD INPUT signal
	7	GND			
J104	1	+24VA	O		
	2	/RHLDSLD	O	L	DEVELOPING ROTARY STOPPER SOLENOID DRIVE signal
J105	1	GND			
	2	ENCSNS2	I		ROTARY MOTOR ROTATION DETECTION signal 2
	3	ENCSNS1	I		ROTARY MOTOR ROTATION DETECTION signal 1
	4	+5V	O		
	5	ROTMA	O		DEVELOPING ROTARY MOTOR DRIVE signal
	6	/ROTMA	O		DEVELOPING ROTARY MOTOR DRIVE signal
	7	ROTMB	O		DEVELOPING ROTARY MOTOR DRIVE signal
	8	/ROTMB	O		DEVELOPING ROTARY MOTOR DRIVE signal
J106	1	SLVMOUTA	O		TONER CARTRIDGE MOTOR DRIVE signal
	2	/SLVMOUTA	O		TONER CARTRIDGE MOTOR DRIVE signal
	3	SLVMOUTB	O		TONER CARTRIDGE MOTOR DRIVE signal
	4	/SLVMOUTB	O		TONER CARTRIDGE MOTOR DRIVE signal
J107	1	+P3.3V	O		

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	2	GND			
	3	REGS	I	H	REGISTRATION PAPER DETECTION signal
J108	1	P3.3V	O		
	2	GND			
	3	WASTONS	I	H	WASTE TONER DETECTION signal
J109	1	DENSREF	O		LED EMISSION DRIVE signal
	2	GND			
	3	+5V	O		
	4	DENSS	I		DENSITY DETECTION signal S
	5	DENSP	I		DENSITY DETECTION signal P
	6	+5V	O		
	7	TOPLED	O	H	LED EMISSION DRIVE signal
	8	GND			
	9	TOPSNS	I	H	ITB HOME POSITION DETECTION signal
	10	+3.3V			
	11	/TESTP	I	L	TEST PRINT EXECUTION signal
J110	1	+3.3V	O		
	2	GND			
	3	MPPAS	I	H	MULTI-PURPOSE TRAY PAPER DETECTION signal
	4	+24VGND			
	5	/MAIMACC	O	L	MAIN MOTOR ACCELERATION signal
	6	/MAIMDEC	O	L	MAIN MOTOR DECELERATION signal
	7	MAIMFG	I	Pulse	MAIN MOTOR SPEED DETECTION signal
	8	+24VB	O		
J112	1	+24VA	O		
	2	/MPSLD	O	L	MULTI-PURPOSE TRAY PICK-UP SOLENOID DRIVE signal
J113	1	+24VA	O		

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	2	/REGCLD	O	L	REGISTRATION CLUTCH DRIVE signal
J114	1	+24VA	O		
	2	/TR2CLD	O	L	ROLLER ENGAGING CLUTCH DRIVE signal
J115	1	+3.3V	O		
	2	GND			
	3	ICLRSNS	I	H	SECONDARY TRANSFER ROLLER HOME POSITION DETECTION signal
J118	1	N.C			
	2	N.C			
	3	N.C			
	4	N.C			
	5	N.C			
	6	GND			
	7	+24VB	O		
	8	GND			
	9	+3.3V	O		
	10	GND			
	11	OP1PAS	I	H	250-SHEET PAPER FEEDER PAPER DETECTION signal
	12	OP1SNS	I	H	250-SHEET PAPER FEEDER CASSETTE DETECTION signal
	13	OP1RTRYS	I	H	OPTION PAPER FEED DETECTION signal
	14	OP1SLD	O	H	250-SHEET PAPER FEEDER PICK-UP SOLENOID DRIVE signal
J119	1	+P3.3V	O		
	2	GND			
	3	FSROUTS	I	H	FIXING DELIVERY PAPER DETECTION signal
	4	FSRTH1	I	Analog	FIXING ROLLER TEMPERATURE DETECTION signal 1
	5	GND			
	6	FSRTH2	I	Analog	FIXING ROLLER TEMPERATURE DETECTION signal 2

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	7	+3.3V	O		
J121	1	+24VA	I		
	2	+24VB	O		
J123	1	FAN1D	O	H	FAN MOTOR DRIVE signal
	2	/FAN1S	I	L	FAN MOTOR LOCK DETECTION
					signal
	3	24VGND			
	4	DEVMOA	O		ENGAGING MOTOR DRIVE signal
	5	/DEVMOA	O		ENGAGING MOTOR DRIVE signal
	6	DEVMOB	O		ENGAGING MOTOR DRIVE signal
	7	/DEVMOB	O		ENGAGING MOTOR DRIVE signal
J125	1	+P3.3V	O		
	2	GND			
	3	DEVINIS	I	H	DEVELOPING ROTARY ENGAGING DETECTION signal
J126	1	+P3.3V	O		
	2	GND			
	3	TONS	I	H	TONER LEVEL DETECTION signal
	4	ROTHPS	I	H	DEVELOPING ROTARY HOME POSITION DETECTION signal
J127	1	TAGCRGA	I/O	Pulse	TONER CARTRIDGE COMMUNICATION signal 1
	2	TAGCRGB	I/O	Pulse	TONER CARTRIDGE COMMUNICATION signal 2
	3	GND			
J128	1	TAGIOA	I/O	Pulse	DRIVE CARTRIDGE COMMUNICATION signal 1
	2	TAGIOB	I/O	Pulse	DRIVE CARTRIDGE COMMUNICATION signal 2
	3	GND			
J134	1	GND			
	2	GND			
	3	GND			

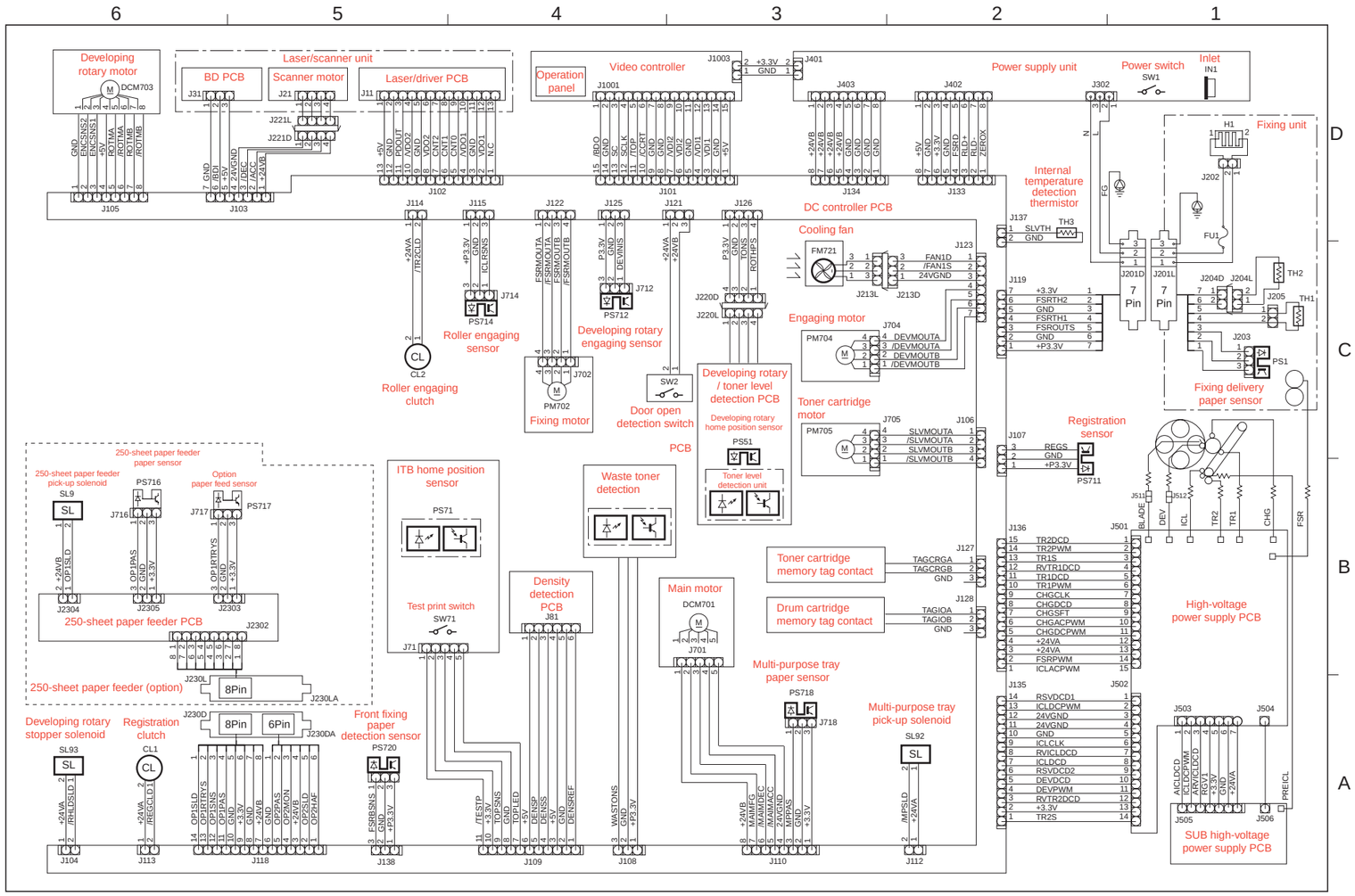
Connector	Pin	Abbreviation	I/O	Logic	Signal name
	4	GND			
	5	+24VB	I		
	6	+24VB	I		
	7	+24VB	I		
	8	+24VB	I		
J135	1	TR2S	I	Analog	SECONDARY TRANSFER CURRENT DETECTION signal
	2	+3.3V	O		
	3	RVTR2DCD	O	H	SECONDARY TRANSFER DC (NEGATIVE) BIAS DRIVE signal
	4	DEVPWM	O	Pulse	DEVELOPING DC BIAS VALUE CONTROL sigal
	5	DEVDCD	O	H	DEVELOPING DC BIAS DRIVE signal
	6	RSVDCD2	O	H	Auxiliary ITB CLEANING DC (NEGATIVE) BIAS DRIVE signal
	7	ICLDCD	O	H	ITB CLEANING DC (POSITIVE) BIAS DRIVE signal
	8	RVICLDCD	O	H	ITB CLEANING DC (NEGATIVE) BIAS DRIVE signal
	9	ICLCLK	O	H	ITB CLEANING AC BIAS DRIVE signal
	10	GND			
	11	24VGND			
	12	24VGND			
	13	ICLDCPWM	O	Pulse	ITB CLEANING DC BIAS VALUE CONTROL signal
	14	RSVDCD1	O	H	Auxiliary ITB CLEANING DC (POSITIVE) BIAS DRIVE signal
J136	1	ICLACPWM	O	Pulse	ITB CLEANING AC BIAS VALUE CONTROL signal
	2	FSRPWM	O	Pulse	FIXING SEPARATION BIAS DRIVE signal
	3	+24VA	I		
	4	+24VA	I		

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	5	CHGDCPWM	O	Pulse	PRIMARY CHARGING DC BIAS VALUE CONTROL signal
	6	CHGACPWM	O	Pulse	PRIMARY CHARGING AC BIAS VALUE CONTROL signal
	7	CHGSFT	O		PRIMARY CHARGING DC BIAS VALUE SWITCHING signal
	8	CRGDCD	O	Pulse	PRIMARY CHARGING CLOCK signal
	9	CHGCLK	O	H	PRIMARY CHARGING AC BIAS DRIVE signal
	10	TR1PWM	O	Pulse	PRIMARY TRANSFER BIAS VALUE CONTROL signal
	11	TR1DCD	O	H	PRIMARY TRANSFER DC (POSITIVE) BIAS DRIVE signal
	12	RVTR1DCD	O	H	PRIMARY TRANSFER DC (NEGATIVE) BIAS DRIVE signal
	13	TR1S	I	Analog	PRIMARY TRANSFER CURRENT DETECTION signal
	14	TR2PWM	O	Pulse	SECONDARY TRANSFER BIAS
					VALUE CONTROL signal
	15	TR2DCD	O	H	SECONDARY TRANSFER DC
					(POSITIVE) BIAS DRIVE signal
J137	1	SLVTH	I	Analog	INTERNAL TEMPERATURE
					DETECTION THERMISTOR DETECTION signal
	2	GND			
J138	1	+P3.3V	I		
	2	GND			
	3	FSRBSNS	O	H	FIXING PAPER DETECTION signal
J139	1	GND			
	2	FSRLOCK	I	H	FIXING MOTOR LOCK DETECTION signal

Connector	Pin	Abbreviation	I/O	Logic	Signal name
	3	/FSRENB	O		FIXING MOTOR ENABLE signal
	4	FSRCLK	O		FIXING MOTOR CLOCK signal
	5	+24VB			
J141	1	+5V			
	2	GND			
	3	+3.3V			
	4	GND			
	5	FSRD	O	H	FIXING HEATER DRIVE signal
	6	RLD+	O	H	RELAY DRIVE signal+
	7	RLD-	O	H	RELAY DRIVE signal-
	8	ZEROX	I	Pulse	ZERO CROSS DETECTION signal
	9	PWRTYP	I	H	POWER SUPPLY TYPE signal
	10	/24VENB	I	L	24V ENABLE signal

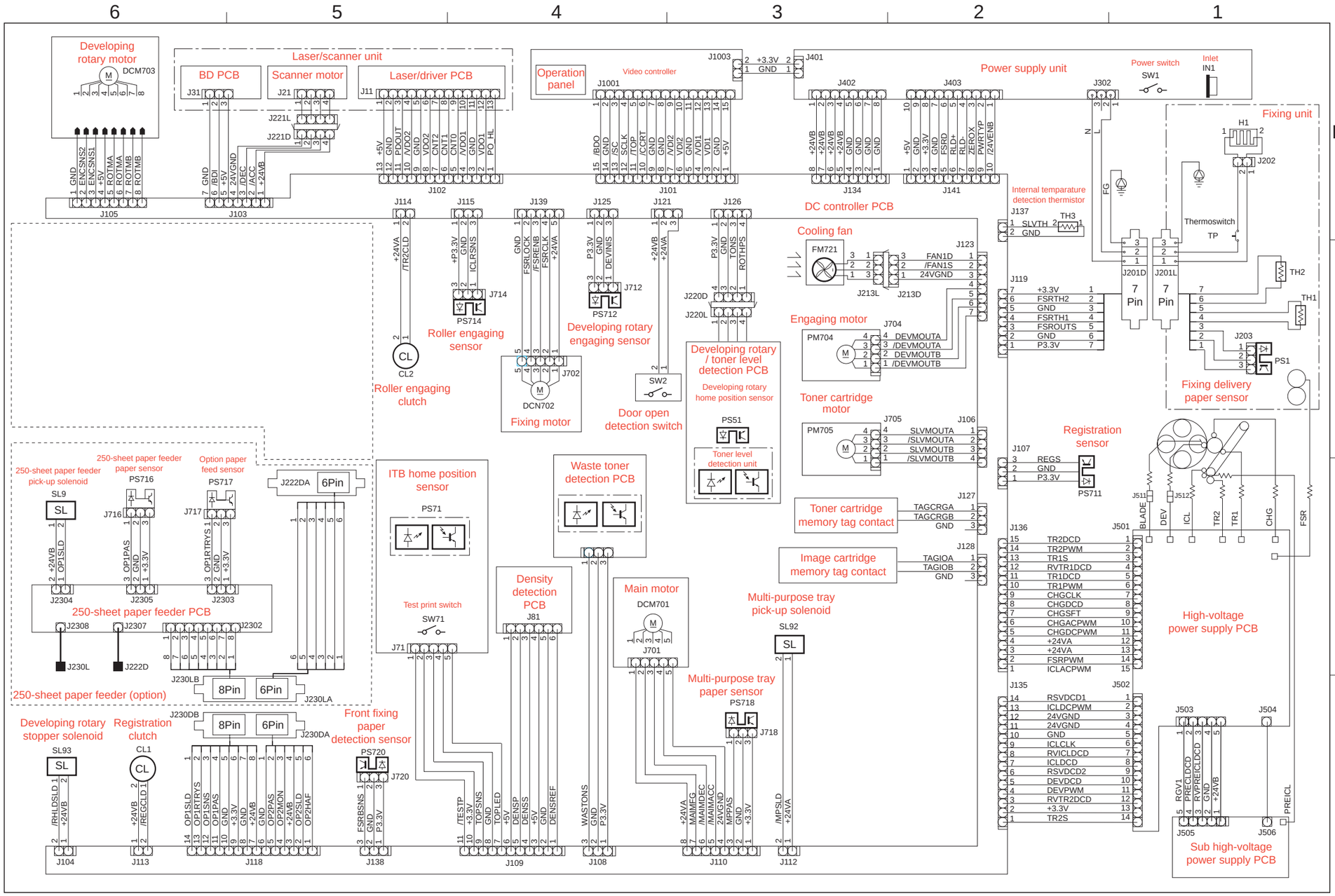
General Circuit Diagram

GENERAL CIRCUIT DIAGRAM



F-2-1

GENERAL CIRCUIT DIAGRAM


6
5
4
3
2
1
D
C
B
A
Developing rotary motor
DCM703
Laser/scanner unit
BD PCB
Scanner motor
Laser/driver PCB
Operation panel
Video controller
Power supply unit
Power switch
SW1
Inlet
IN1
Fixing unit
H1
J202
Thermoswitch
TP
Internal temparature detection thermistor
TH3
TH2
TH1
DC controller PCB
Cooling fan
FM721
Engaging motor
PM704
Toner cartridge motor
PM705
Roller engaging sensor
PS714
Developing rotary engaging sensor
PS712
Roller engaging clutch
CL2
Fixing motor
DCN702
Door open detection switch
SW2
Developing rotary / toner level detection PCB
Developing rotary home position sensor
PS51
Toner level detection unit
Fixing delivery paper sensor
PS1
Registration sensor
PS711
Toner cartridge memory tag contact
Image cartridge memory tag contact
Multi-purpose tray pick-up solenoid
SL92
Multi-purpose tray paper sensor
PS718
High-voltage power supply PCB
Sub high-voltage power supply PCB
250-sheet paper feeder pick-up solenoid
SL9
250-sheet paper feeder paper sensor
PS716
Option paper feed sensor
PS717
250-sheet paper feeder PCB
250-sheet paper feeder (option)
ITB home position sensor
PS71
Test print switch
SW71
Waste toner detection PCB
Density detection PCB
J81
Main motor
DCM701
Developing rotary stopper solenoid
SL93
Registration clutch
CL1
Front fixing paper detection sensor
PS720
J105
J103
J102
J101
J134
J141
J302
J119
J137
J201D
J201L
J123
J213L
J213D
J704
J705
J106
J127
J128
J136
J501
J135
J502
J503
J504
J505
J506
J714
J712
J702
J220D
J220L
J126
J707
J718
J720
J104
J113
J118
J138
J109
J108
J110
J112
J2304
J2305
J2303
J2302
J2308
J2307
J230L
J222D
J230LB
J230LA
J222DA
J230DB
J230DA
J1003
J401
J1001
J402
J403
J114
J115
J139
J125
J121
J126
J707
J716
J717
J222DA
6Pin
8Pin
6Pin
J230DB
8Pin
6Pin
J230DA

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