

The diagram is a detailed point-to-point wiring schematic for the MP W6700 system. It shows the electrical connections between various components, including:

- IPU (Input Processor Unit):** Located on the left, it connects to the main system bus.
- Operation Panel:** Contains various control buttons and indicators, connected to the system via a bus.
- SIU (System Interface Unit):** A central unit that manages data flow between different modules.
- IOB (Input/Output Board):** Manages external I/O connections, including a 'Fusing Unit' and 'Option' modules.
- AC Control Board:** Manages the AC power supply, connected to a 'Power Cord' and 'AC Input'.
- PSU (Power Supply Unit):** Provides power to the system components.
- ESB (Error Signal Board):** Monitors system errors and provides feedback.
- BCU (Base Control Unit):** The main control unit for the system.
- GW-CTL (Type EX3 2nd):** A control unit for the gateway.
- MB (Main Board):** The central processing unit.
- VDB (Voltage Detection Board):** Monitors system voltage levels.
- LPH (Load Power Handling):** Manages power distribution to various loads.
- RFDB (Radio Frequency Data Board):** Handles radio frequency data transmission.

The diagram uses a color-coded system for wiring:

- Red Dashed Lines:** Indicate power supply connections.
- Blue Dashed Lines:** Indicate data or control signal connections.
- Black Solid Lines:** Indicate ground or common connections.

Key components and their connections are labeled with part numbers and identifiers, such as D2065600, D2065601, D2065628, D2065634, D1495388(FFC), D2065645(EU), D2065604 (Shield Cable), D2065605 (FFC), D2065606 (FFC), D2065607 (FFC), D2065608 (FFC), D2065609 (FFC), D2065610 (FFC), D2065611 (FFC), D2065612 (FFC), D2065613 (FFC), D2065614 (FFC), D2065615 (FFC), D2065616 (FFC), D2065617 (FFC), D2065618 (FFC), D2065619 (FFC), D2065620 (FFC), D2065621 (FFC), D2065622 (FFC), D2065623 (FFC), D2065624 (FFC), D2065625 (FFC), D2065626 (FFC), D2065627 (FFC), D2065628 (FFC), D2065629 (FFC), D2065630 (FFC), D2065631 (FFC), D2065632 (FFC), D2065633 (FFC), D2065634 (FFC), D2065635 (FFC), D2065636 (FFC), D2065637 (FFC), D2065638 (FFC), D2065639 (FFC), D2065640 (FFC), D2065641 (FFC), D2065642 (FFC), D2065643 (FFC), D2065644 (FFC), D2065645 (FFC), D2065646 (FFC), D2065647 (FFC), D2065648 (FFC), D2065649 (FFC), D2065650 (FFC), D2065651 (FFC), D2065652 (FFC), D2065653 (FFC), D2065654 (FFC), D2065655 (FFC), D2065656 (FFC), D2065657 (FFC), D2065658 (FFC), D2065659 (FFC), D2065660 (FFC), D2065661 (FFC), D2065662 (FFC), D2065663 (FFC), D2065664 (FFC), D2065665 (FFC), D2065666 (FFC), D2065667 (FFC), D2065668 (FFC), D2065669 (FFC), D2065670 (FFC), D2065671 (FFC), D2065672 (FFC), D2065673 (FFC), D2065674 (FFC), D2065675 (FFC), D2065676 (FFC), D2065677 (FFC), D2065678 (FFC), D2065679 (FFC), D2065680 (FFC), D2065681 (FFC), D2065682 (FFC), D2065683 (FFC), D2065684 (FFC), D2065685 (FFC), D2065686 (FFC), D2065687 (FFC), D2065688 (FFC), D2065689 (FFC), D2065690 (FFC), D2065691 (FFC), D2065692 (FFC), D2065693 (FFC), D2065694 (FFC), D2065695 (FFC), D2065696 (FFC), D2065697 (FFC), D2065698 (FFC), D2065699 (FFC), D2065700 (FFC).

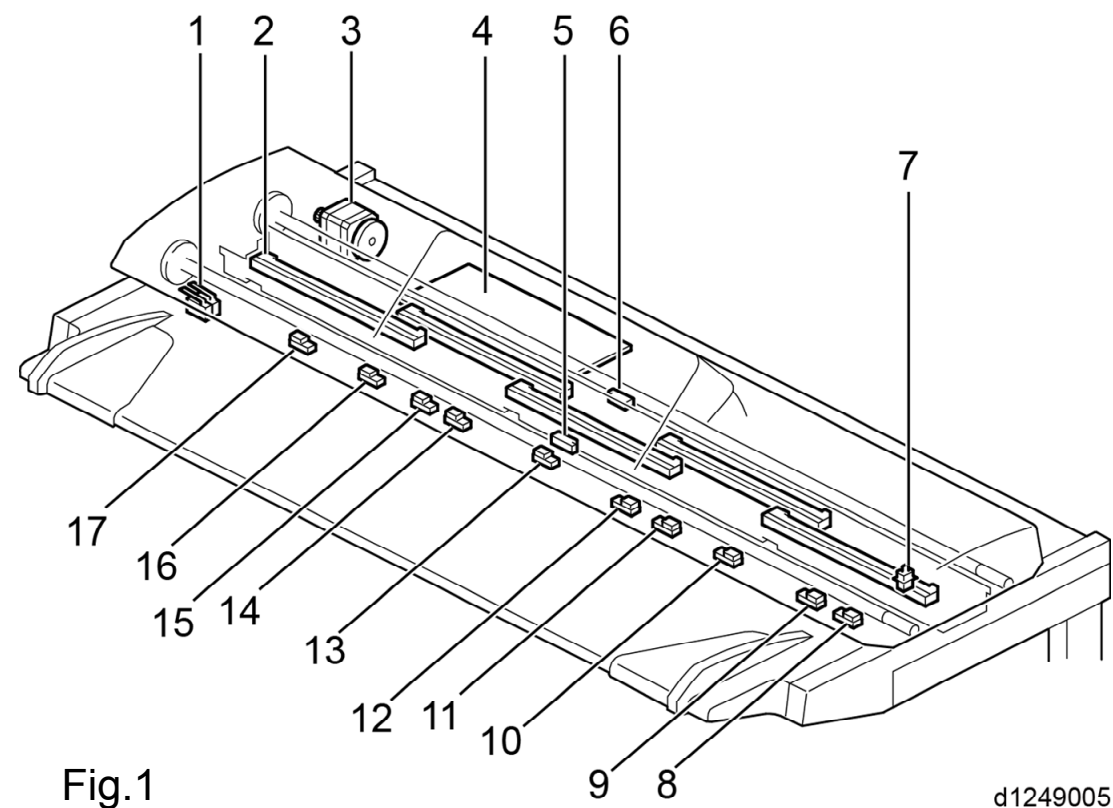


Fig.1

d1249005

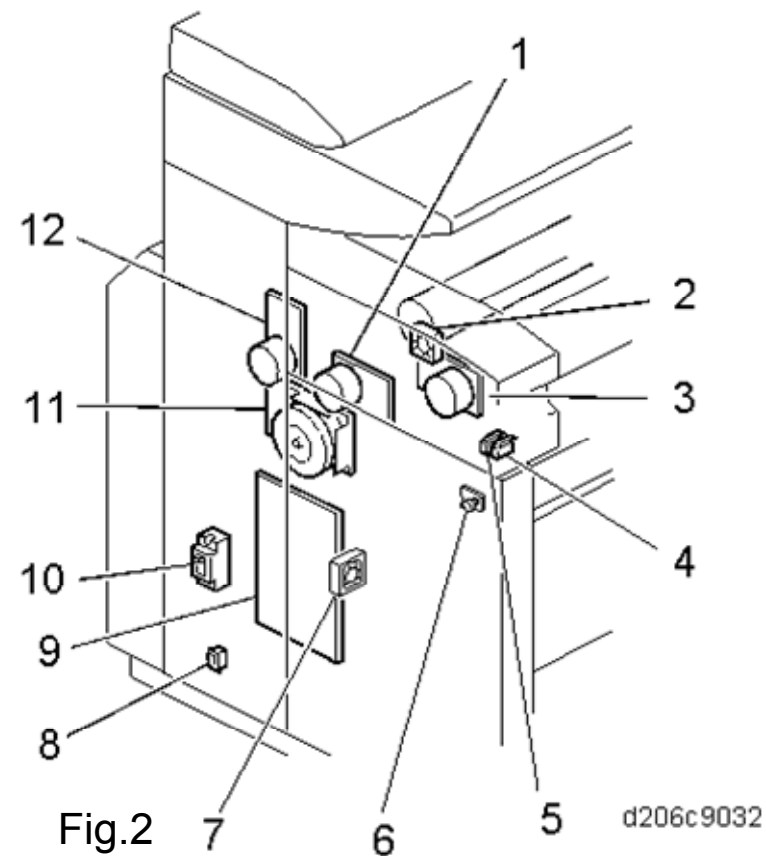


Fig.2

d206c9032

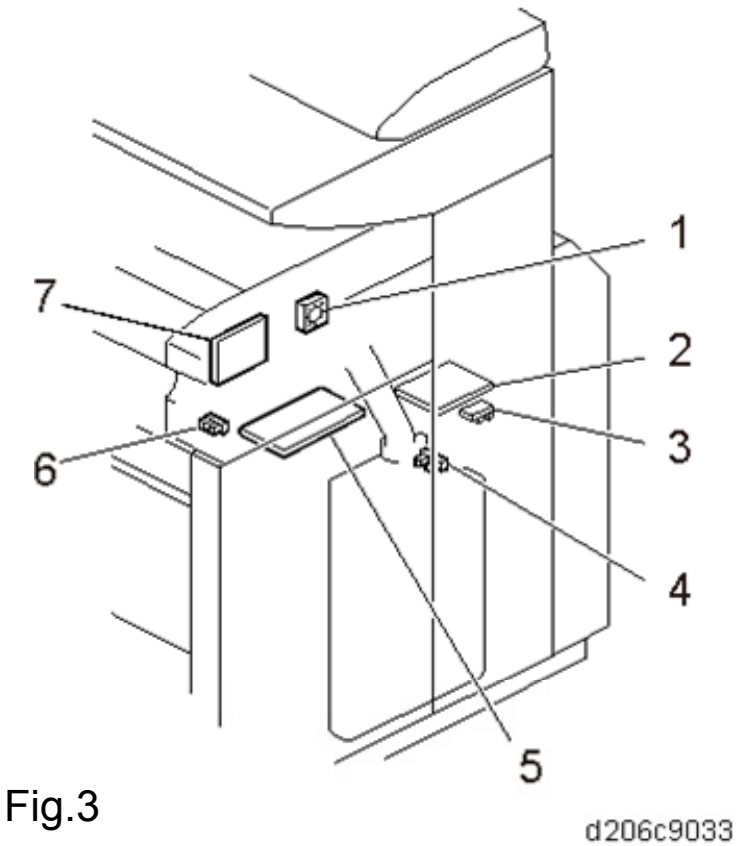


Fig.3

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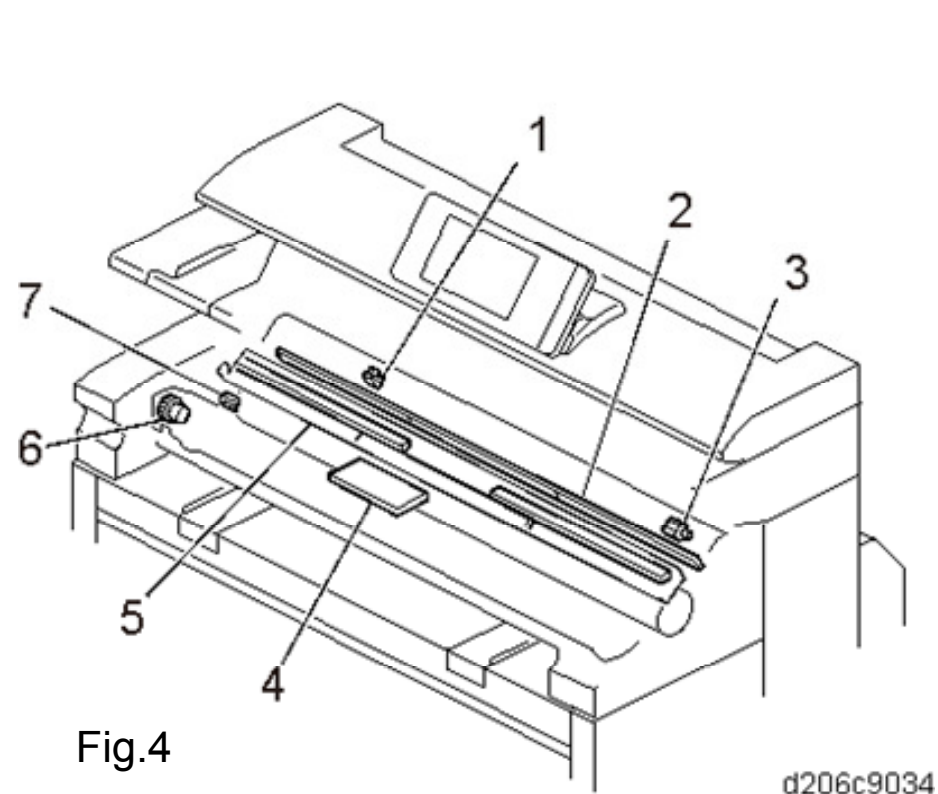


Fig.4

d206c9034

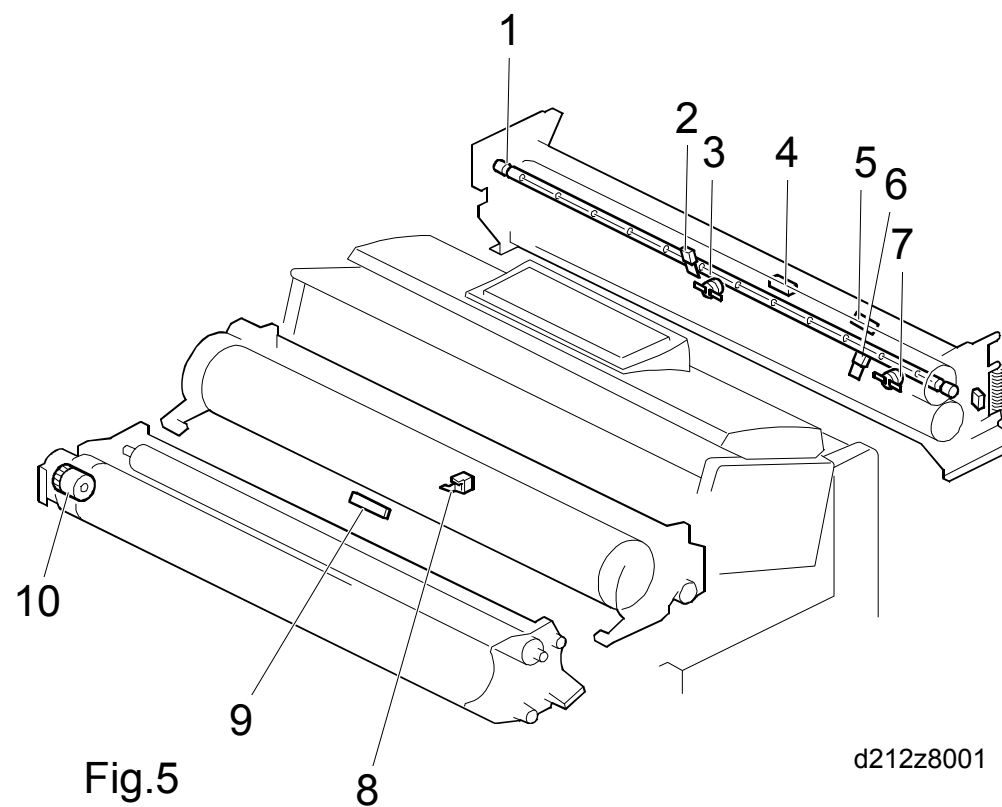


Fig.5

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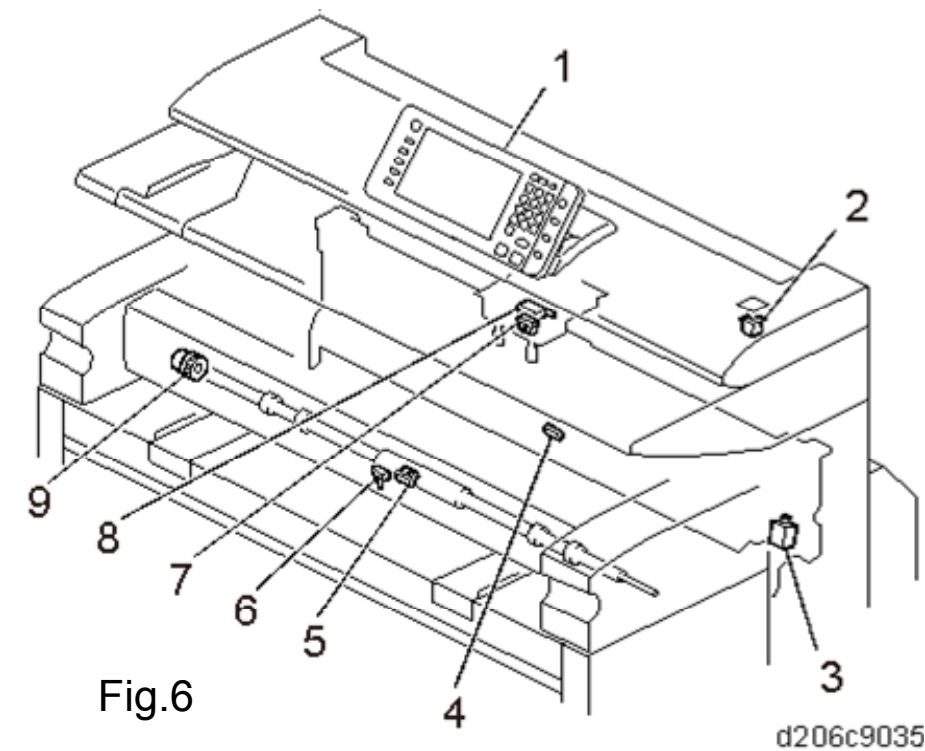
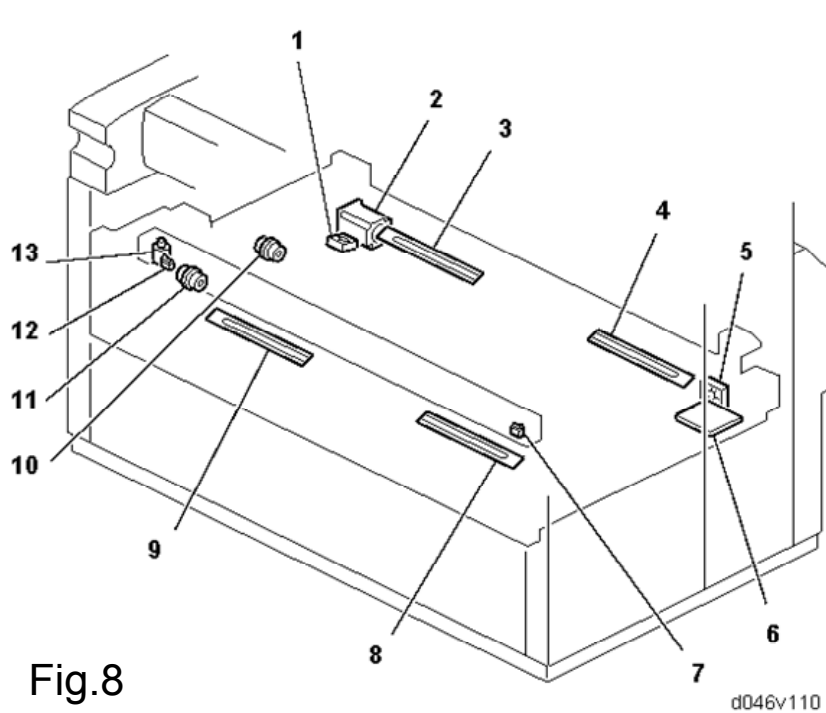
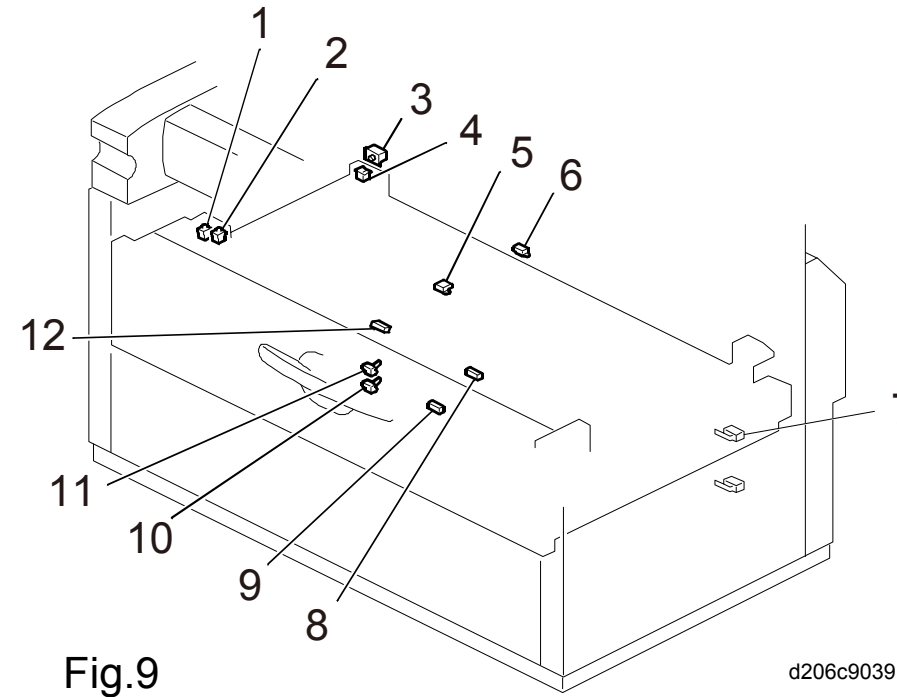
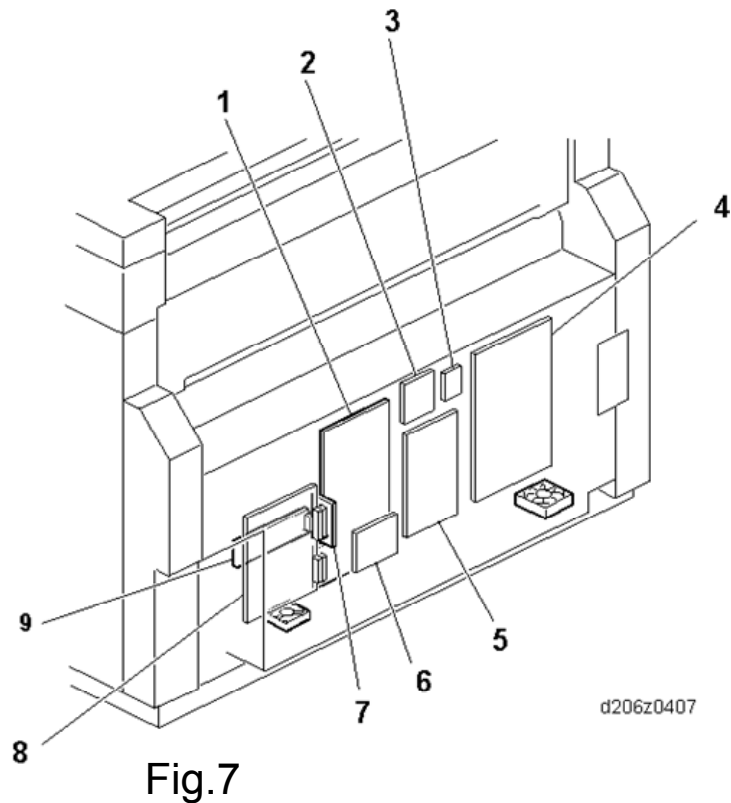


Fig.6

d206c9035

MP W6700 Electrical Component Layout



Symbol	Name	Index No.	P-to-P
Motors			
M1	Main Motor (24W)	Fig.2-3	A5
M2	Registration Motor (24W)	Fig.2-1	A5
M3	Fusing / Exit Motor (33W)	Fig.2-12	A5
M4	Development Motor	Fig.2-11	A6
M5	Fusing Motor: R	-	A6
M6	Fusing Motor: L	-	A6
M7	Wire Motor	Fig.4-3	A8
M8	Upper Tray Cutter Motor	Fig.8-13	B10
M9	Upper Roller Motor	Fig.8-2	B10
M10	Scanner Motor	Fig.1-3	B2
Switches			
SW1	Toner Hopper Cover Switch	Fig.4-7	A5
SW2	Fusing Paper Exit Guide Plate SW	-	A7
SW3	Cutter HP Switch: Left	Fig.8-12	B10
SW4	Cutter HP Switch: Right	Fig.8-7	B10
SW5	Upper Tray Safety SW	Fig.9-7	B10
SW6	2nd Roll Feed Switch	Fig.9-2	B9
SW7	1st Roll Feed Switch	Fig.9-1	B9
SW8	INT-SW: Paper Feed (Upper)	Fig.9-3	D6
SW9	Anti-Condensation Heater Switch (Drum)	Fig.2-8	D6
SW10	Anti-Condensation Heater SW	Fig.9-4	D5
SW11	Interlock SW: Scanner 1	Fig.1-1	B3
SW12	Interlock SW: Scanner 2	Fig.1-1	B3
SW13	Original Stop Key (Scanner Stop Key)	Fig.1-7 Fig.6-2	B2
SW14	Paper Exit Cover SW	Fig.6-8	F8
SW15	Upper Unit Safety SW 1	Fig.2-4	F7
SW16	Interlock SW: Clamshell 2	Fig.2-5	F7
SW17	DCSW	Fig.2-6	F3
Clutches			
CL1	2nd Roll Feed Clutch	Fig.8-10	B10
CL2	1st Roll Feed Clutch	Fig.8-11	B10
CL3	Tonner Supply Clutch	Fig.4-6 Fig.5-10	C6
CL4	Registration Clutch	Fig.6-9	C6
Solenoid			
SOL1	Paper JG Solenoid	Fig.5-8 Fig.6-3	A5
SOL2	Exit Solenoid	-	C7
Thermistors			
TH1	Pressure Roller Center Thermistor	Fig.5-6	D8
TH2	Pressure Roller End Thermistor	Fig.5-5	D7
TH3	Hot Roller Center Thermistor	Fig.5-2	D7
Heaters			
H1	Anti-condensation Heater (Paper Feed Tray)	Fig.8-3	D5
H2	Anti-condensation Heater (Paper Feed Tray)	Fig.8-4	D5
H3	Anti-condensation Heater (Paper Feed Tray)	Fig.8-8	D5
H4	Anti-condensation Heater (Paper Feed Tray)	Fig.8-9	D5
H5	Anti-condensation Heater (Drum)	-	D5
H6	Anti-condensation Heater (Drum)	-	D5
Fans			
FAN1	LPH Fan: Left	Fig.2-2	A6
FAN2	LPH Fan: Right	Fig.3-1	A8
FAN3	Upper Roll Feed Motor Fan	Fig.8-1	A10
FAN4	Upper RFDB Fan	Fig.8-5	A10
FAN5	Left Transport Fan	-	C7
FAN6	Right Transport Fan	-	C7
FAN7	PSU Cooling Fan	-	C5
FAN8	AC Drive Board Cooling Fan	Fig.2-7	C5
FAN9	HDD Cooling Fan 1	-	C2

Symbol	Name	Index No.	P-to-P
Sensors			
S1	Original Width Sensor: B4	Fig.1-14	A1
S2	Original Width Sensor: B3	Fig.1-15	A1
S3	Original Width Sensor: B2	Fig.1-16	A1
S4	Original Width Sensor: B1	Fig.1-17	A1
S5	Original Width Sensor: A3	Fig.1-12	A1
S6	Original Width Sensor: A2	Fig.1-11	A2
S7	Original Width Sensor: A1	Fig.1-10	A2
S8	Original Width Sensor: A0	Fig.1-9	A2
S9	Original Width Sensor: 914	Fig.1-8	A2
S10	Original Width Sensor: 30"	-	A2
S11	Original Registration Sensor	Fig.1-5	A2
S12	Original Set Sensor	Fig.1-13	A2
S13	Original Exit Sensor	Fig.1-6	A2
S14	Fusing Motor HP Detection: Right	-	A6
S15	Fusing Motor HP Detection: Left	-	A7
S16	Used Toner Bottle Full Sensor	Fig.3-4	A7
S17	Upper Unit Open Sensor: Right	Fig.3-6	A7
S18	Temperature & Humidity Sensor	Fig.3-3	A7
S19	Wire Motor Lock Sensor	Fig.4-1	A8
S20	Upper Tray LE Sensor	Fig.9-12	A9
S21	2nd Roll Entrance Sensor	Fig.9-10	B9
S22	1st Roll Entrance Sensor	Fig.9-11	B9
S23	Roll White Core End Sensor 2	Fig.9-8	B9
S24	Roll White Core End Sensor 1	Fig.9-9	B9
S25	Exit Sensor	Fig.5-4 Fig.6-4	C7
S26	Roll End Sensor 2	Fig.9-6	C7
S27	Roll End Sensor 1	Fig.9-5	C7
S28	Front Copy Tray Full Detection Sensor	Fig.6-7	C6
S29	ID Sensor	Fig.5-9	C6
S30	Bypass Set Sensor	Fig.6-6	C6
S31	Bypass Registration Sensor	Fig.6-5	C6
Quenching Lamps			
QL1	Quenching Lamp: Left	Fig.4-2	A8
QL2	Quenching Lamp: Center	Fig.4-2	A8
QL3	Quenching Lamp: Right	Fig.4-2	A8
PCBs			
	SIB	Fig.1-4	A2
	AC Control Board	Fig.2-9	E7
	VDB	Fig.4-4	E3
	LPH	Fig.4-5	E2
	IPU	Fig.7-1	D1
	ESB	Fig.7-2	F4
	PSU	Fig.7-4	E6
	IOB	Fig.7-5	B5
	BCU	Fig.7-6	G2
	MB	Fig.7-7	F2
	GW-CTL	Fig.7-8	F2
	MLB3	Fig.7-9	F2
	RFDB	Fig.8-6	B9
Others			
	CIS Unit	Fig.1-2	A3
	Electrical Leakage Breaker	Fig.2-10	E6
	DC HVP: Transfer	Fig.3-2	A7
	AC HVP: Separation	Fig.3-5	A7
	HVPS: CGB	Fig.3-7	A8
	Fusing Lamp	Fig.5-1	D7
	Thermostat:200	Fig.5-7	D7
	Thermostat:199	Fig.5-3	D7
	Operation Panel	Fig.6-1	B1
CO1	Total Counter	-	C6