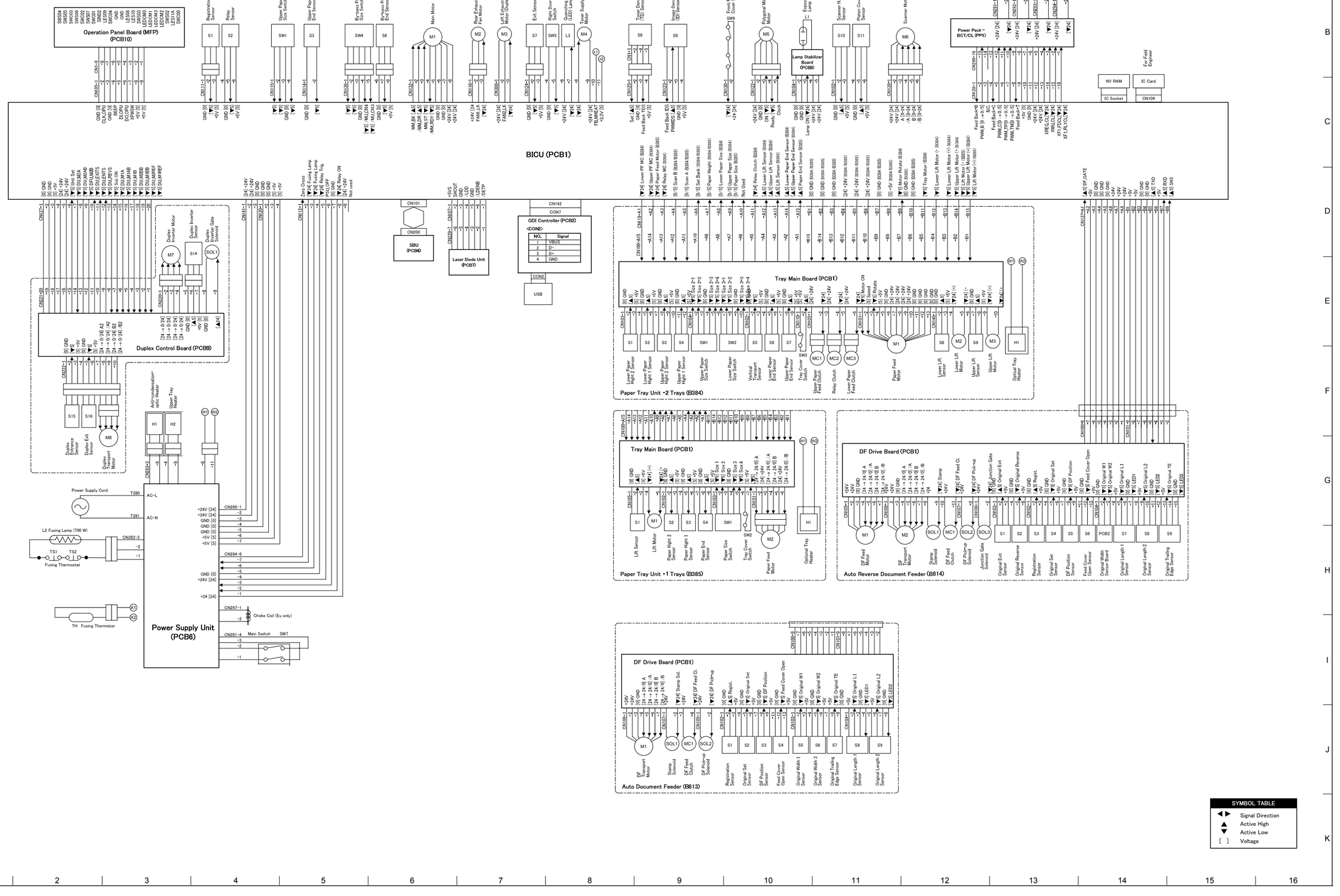
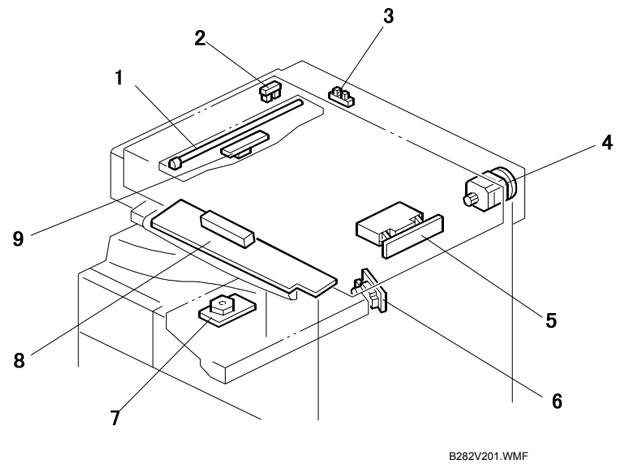
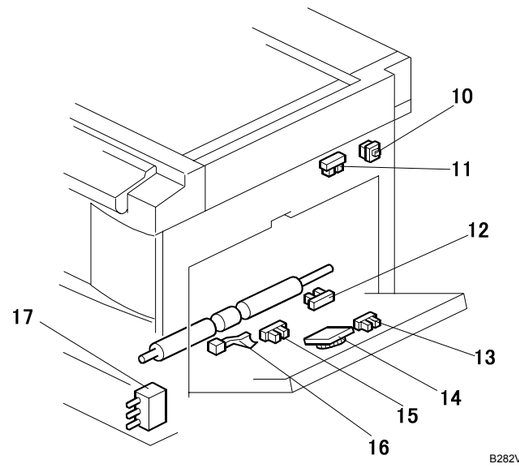
# B282-62/B283-62 POINT TO POINT DIAGRAM



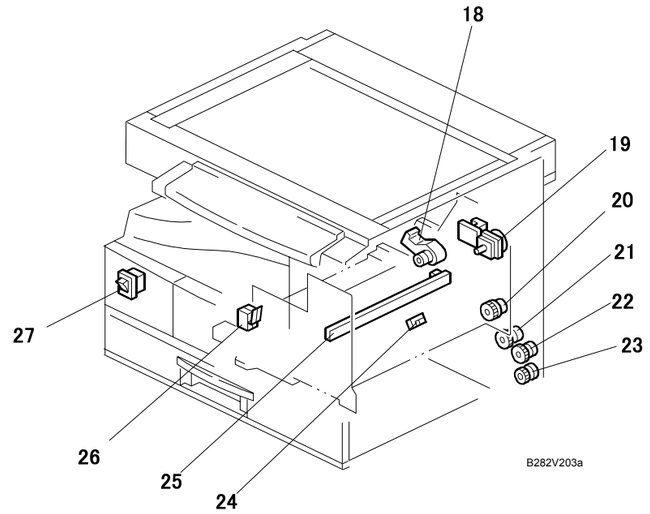
# ELECTRICAL COMPONENT LAYOUT (B282-62/B283-62)



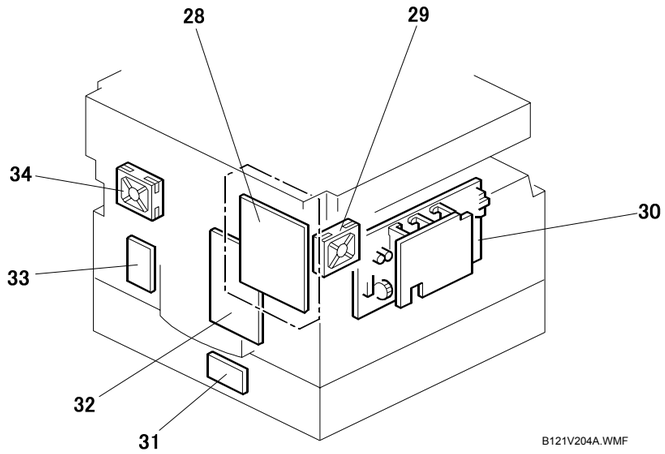
B282V201.WMF



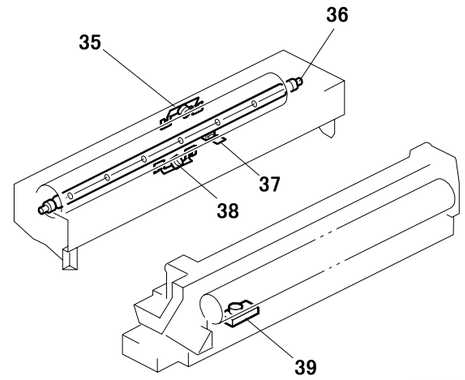
B282V202.WMF



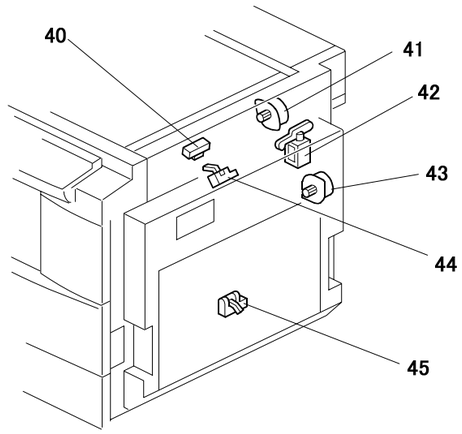
B282V203a



B121V204A.WMF



B039v205



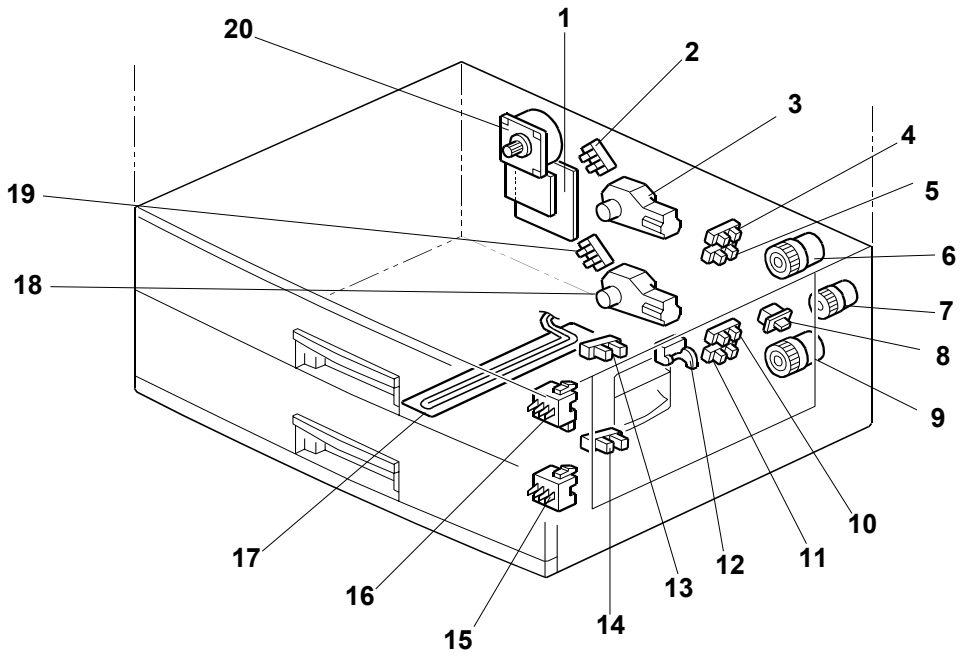

| Symbol | Description | Index No. | P-to-P |
|---|---|---|---|
| **Sensors** | | | |
| S1 | Registration | 12 | B4 |
| S2 | Relay | 13 | B4 |
| S3 | Upper Paper End | 16 | B4 |
| S6 | By-pass Paper End | 15 | B6 |
| S7 | Exit | 11 | B7 |
| S8 | Toner Density (TD) | 39 | B9 |
| S9 | Image Density (ID) | 24 | B9 |
| S10 | Scanner H.P. | 2 | B11 |
| S11 | Platen Cover | 3 | B11 |
| S14 | Duplex Inverter | 40 | E3 |
| S15 | Duplex Entrance | 44 | F2 |
| S16 | Duplex Exit | 45 | F2 |
| | | | |
| **Switches** | | | |
| SW1 | Upper Paper Size | 17 | B5 |

| Symbol | Description | Index No. | P-to-P |
|---|---|---|---|
| SW4 | By-pass Paper Size | 14 | B5 |
| SW5 | Right Door | 10 | B8 |
| SW6 | Front/Right Cover | 26 | B10 |
| SW7 | Main | 27 | I4 |
| | | | |
| **Magnetic Clutches** | | | |
| MC2 | Relay | 23 | B13 |
| MC3 | Upper Paper Feed | 21 | B13 |
| MC4 | By-pass Feed | 22 | B13 |
| MC5 | Registration | 20 | B13 |
| | | | |
| **Motors** | | | |
| M1 | Main | 19 | B6 |
| M2 | Rear Exhaust Fan | 34 | B7 |
| M3 | Left Exhaust Fan | 29 | B7 |
| M4 | Toner Supply | 18 | B8 |
| M5 | Polygonal Mirror | 7 | B10 |
| M6 | Scanner | 4 | B12 |

| Symbol | Description | Index No. | P-to-P |
|---|---|---|---|
| M7 | Duplex Inverter | 41 | E3 |
| M8 | Duplex Transport | 43 | G2 |
| | | | |
| **Lamps** | | | |
| L1 | Exposure | 1 | B10 |
| L2 | Fusing-1 | 36 | H2 |
| L3 | Quenching (LED) | 25 | B8 |
| | | | |
| | | | |
| | | | |
| | | | |
| **Solenoids** | | | |
| SOL1 | Duplex Inverter Gate | 42 | E4 |
| | | | |
| **Power Pack** | | | |
| PP1 | Power Pack-BCT/CL | 33 | B13 |
| | | | |
| **PCBs** | | | |
| PCB1 | BICU | 32 | C1-15 |
| PCB2 | GDI Controller | 28 | E7-8 |

| Symbol | Description | Index No. | P-to-P |
|---|---|---|---|
| PCB4 | SBU | 5 | E6 |
| PCB6 | Power Supply Unit (PSU) | 30 | H3 |
| PCB7 | Laser Diode Unit (LDU) | 6 | E7 |
| PCB8 | Lamp Stabilizer Board | 9 | B10 |
| PCB9 | Duplex Control Board (DCB) | 31 | F2-4 |
| PCB10 | Operation Panel Board (OPU) MFP | 8 | B2-3 |
| | | | |
| | | | |
| **Heaters** | | | |
| H1 | Anti-condensation – Optic (Option) | – | F3 |
| H2 | Upper Tray (Option) | – | F3 |
| | | | |
| **Others** | | | |
| TH1 | Fusing Thermistor | 37 | I2 |
| TS1 | Fusing Thermostat | 35 | H2 |
| TS2 | Fusing Thermostat | 38 | H2 |
| | | | |
| | | | |
| | | | |

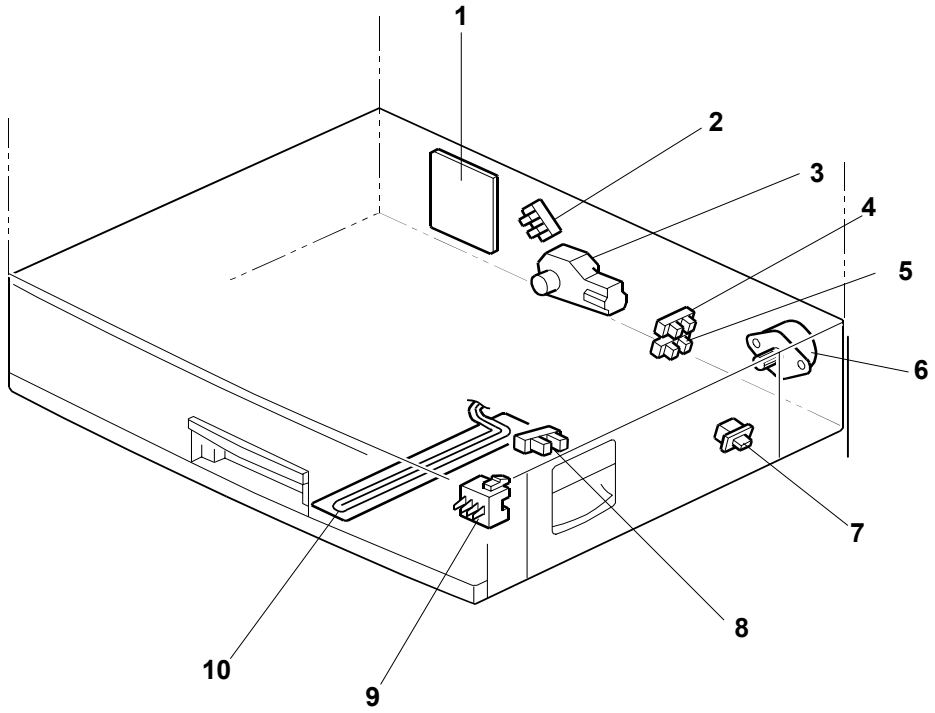
# ELECTRICAL COMPONENT LAYOUT (B384)




B384V102.WMF

| Symbol | Name | Index No. | P-to-P |
|---|---|---|---|
| **Motors** | | | |
| M1 | Paper Feed | 20 | E12 |
| M2 | Lower Lift | 18 | E12 |
| M3 | Upper Lift | 3 | E13 |
| | | | |
| **Sensors** | | | |
| S1 | Lower Paper Height 2 | 10 | E8 |
| S2 | Lower Paper Height 1 | 11 | E9 |
| S3 | Upper Paper Height 2 | 4 | E9 |
| S4 | Upper Paper Height 1 | 5 | E9 |
| S5 | Vertical Transport | 12 | E10 |
| S6 | Lower Paper End | 14 | E10 |
| S7 | Upper Paper End | 13 | E10 |
| S8 | Lower Lift | 19 | E12 |
| S9 | Upper Lift | 2 | E12 |
| | | | |
| **Switches** | | | |
| SW1 | Upper Paper Size | 16 | E9 |
| SW2 | Lower Paper Size | 15 | E10 |
| SW3 | Tray Cover | 8 | E10 |
| | | | |
| **Magnetic Clutches** | | | |
| MC1 | Upper Paper Feed | 6 | E11 |
| MC2 | Relay | 7 | E11 |
| MC3 | Lower Paper Feed | 9 | E11 |
| | | | |
| **PCBs** | | | |
| PCB1 | Tray Main | 1 | E9-13 |
| | | | |
| **Others** | | | |
| H1 | Optional Tray Heater | 17 | E13 |
| | | | |

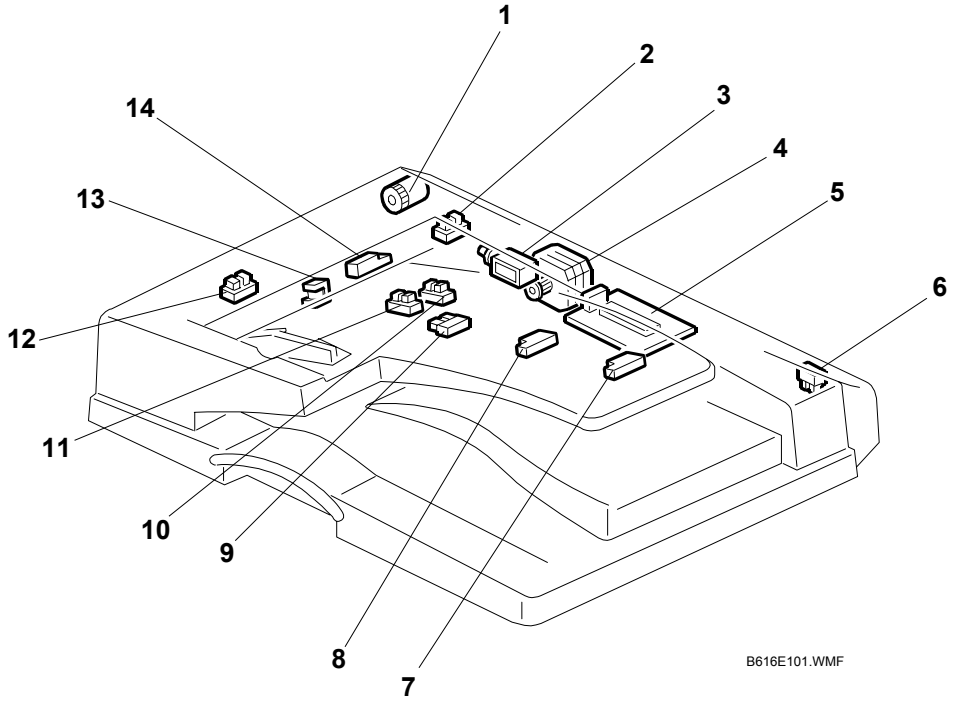
# ELECTRICAL COMPONENT LAYOUT (B385)




B385V102.WMF

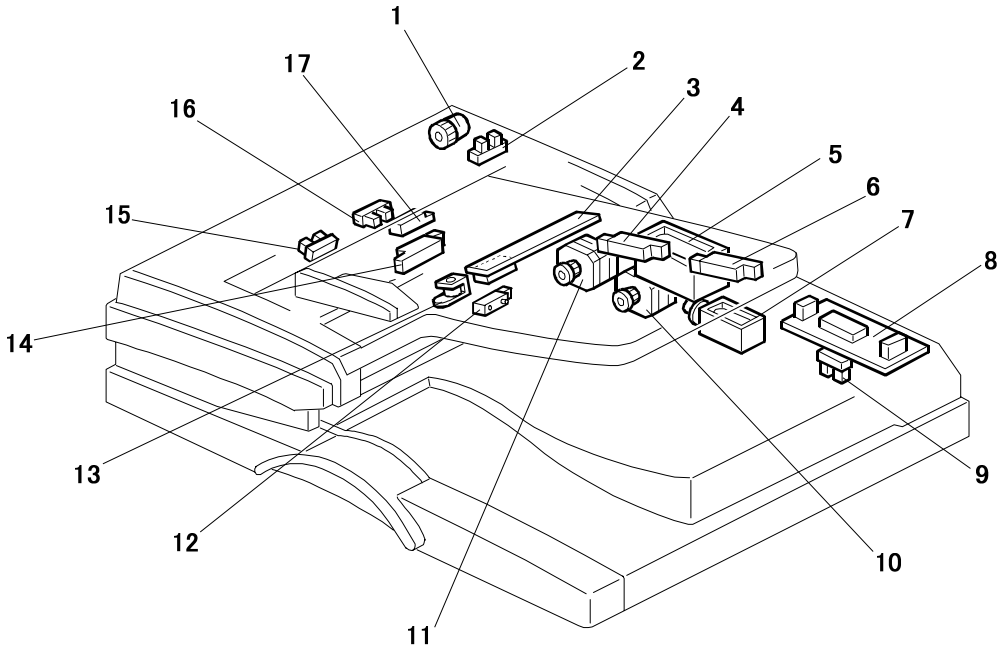
| Symbol | Name | Index No. | P-to-P |
|---|---|---|---|
| **Motors** | | | |
| M1 | Lift | 3 | H9 |
| M2 | Paper Feed | 6 | H10 |
| | | | |
| **Sensors** | | | |
| S1 | Lift | 2 | H9 |
| S2 | Paper Height 2 | 4 | H9 |
| S3 | Paper Height 1 | 5 | H9 |
| S4 | Paper End | 8 | H9 |
| | | | |
| **Switches** | | | |
| SW1 | Paper Size | 9 | H10 |
| SW2 | Tray Cover | 7 | H10 |
| | | | |
| **PCBs** | | | |
| PCB1 | Tray Main | 1 | G9-10 |
| | | | |
| **Others** | | | |
| H1 | Optional Tray Heater | 10 | H11 |
| | | | |

# ELECTRICAL COMPONENT LAYOUT (B813)




| Symbol | Name | Index No. | P-to-P |
|---|---|---|---|
| **Motors** | | | |
| M1 | DF Transport | 4 | J9 |
| | | | |
| **Sensors** | | | |
| S1 | Registration | 14 | J10 |
| S2 | Original Set | 12 | J10 |
| S3 | DF Position | 6 | J10 |
| S4 | Feed Cover Open | 2 | J10 |
| S5 | Original Width 1 | 10 | J10 |
| S6 | Original Width 2 | 11 | J11 |
| S7 | Original Trailing Edge | 9 | J11 |
| S8 | Original Length 1 | 7 | J11 |
| S9 | Original Length 2 | 8 | J11 |
| | | | |
| **Solenoids** | | | |
| SOL1 | Stamp | 13 | J9 |
| SOL2 | DF Pick-up | 3 | J9 |
| | | | |
| **Magnetic Clutches** | | | |
| MC1 | DF Feed | 1 | J9 |
| | | | |
| **PCBs** | | | |
| PCB1 | DF Drive | 5 | I9-11 |
| | | | |

# ELECTRICAL COMPONENT LAYOUT (B814)




B617E202.WMF

| Symbol | Name | Index No. | P-to-P |
|---|---|---|---|
| **Motors** | | | |
| M1 | DF Feed | 10 | H11 |
| M2 | DF Transport | 11 | H12 |
| | | | |
| **Sensors** | | | |
| S1 | Original Exit | 12 | H13 |
| S2 | Original Reverse | 16 | H13 |
| S3 | Registration | 17 | H13 |
| S4 | Original Set | 15 | H13 |
| S5 | DF Position | 9 | H13 |
| S6 | Feed Cover Open | 2 | H14 |
| S7 | Original Length - 1 | 4 | H14 |
| S8 | Original Length - 2 | 6 | H14 |
| S9 | Original Trailing Edge | 14 | H15 |
| | | | |
| **Solenoids** | | | |
| SOL1 | Stamp | 13 | H12 |
| SOL2 | DF Pick-up | 5 | H12 |
| SOL3 | Junction Gate | 7 | H12 |
| | | | |
| **Magnetic Clutches** | | | |
| MC1 | DF Feed | 1 | H12 |
| | | | |
| **PCBs** | | | |
| PCB1 | DF Drive Board | 8 | G11-15 |
| PCB2 | Original Width Sensor Board | 3 | H14 |
| | | | |