

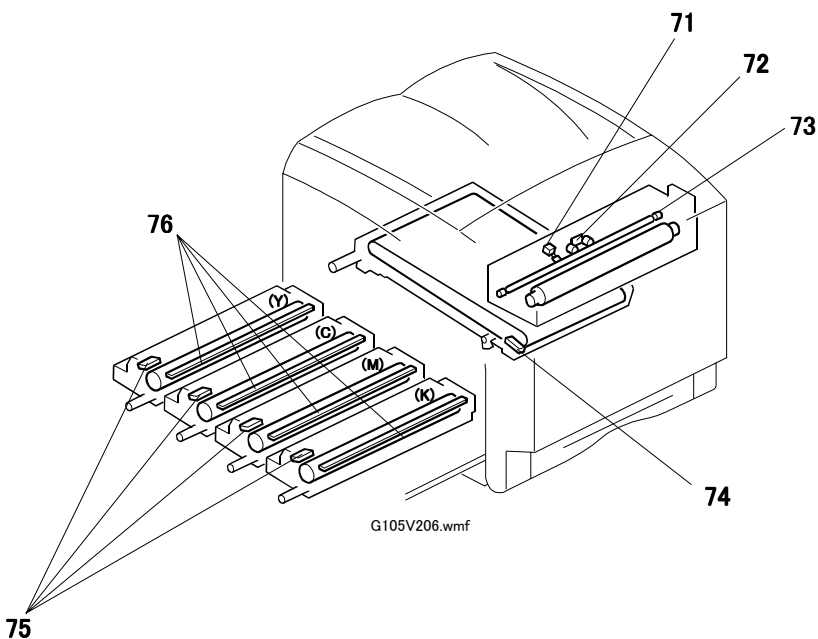
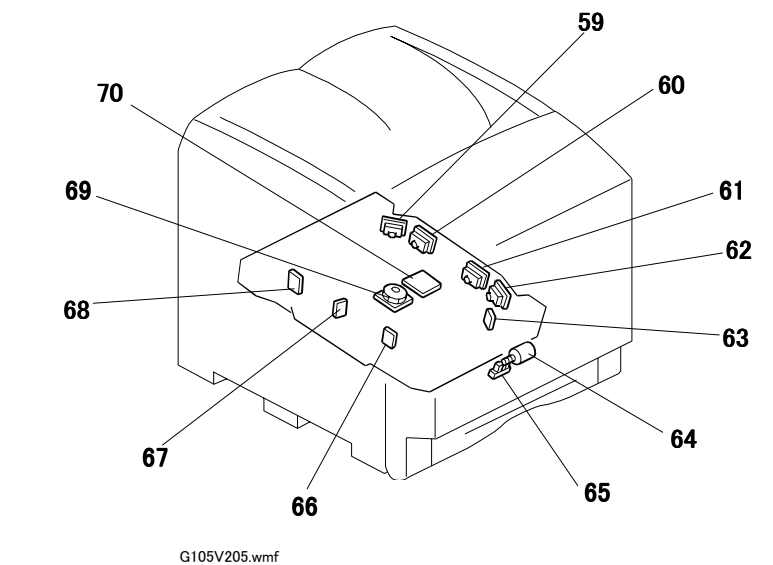
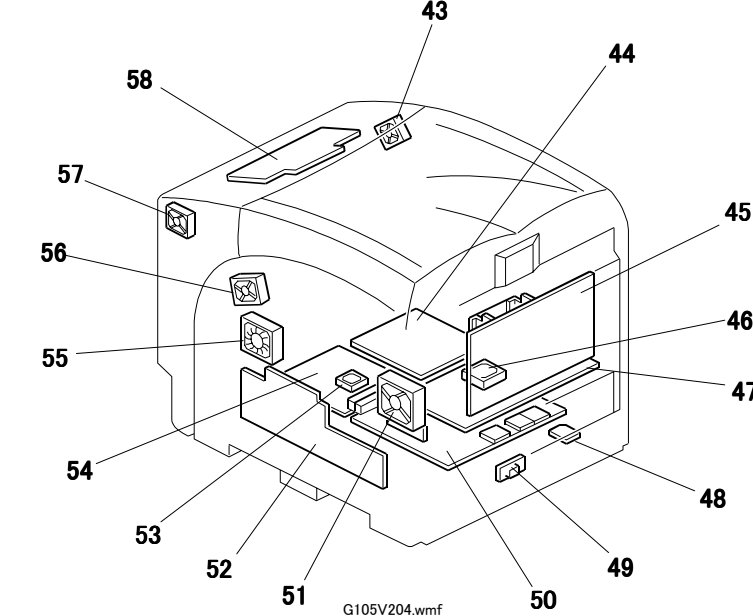
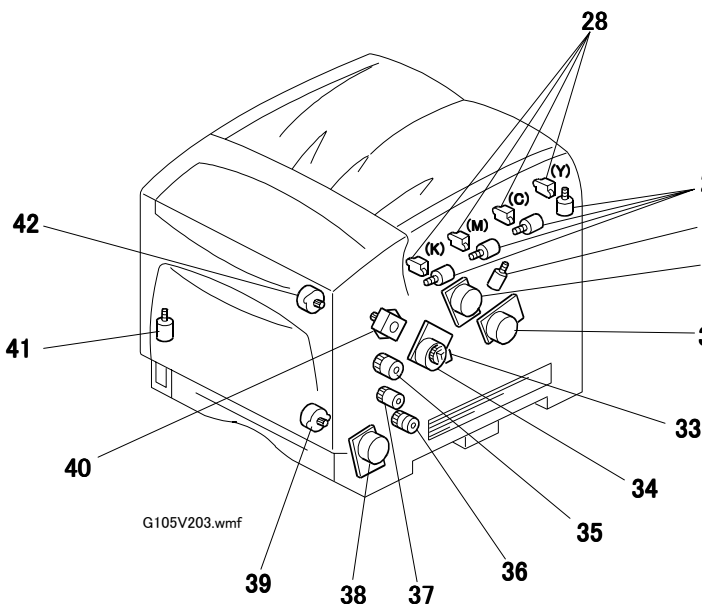
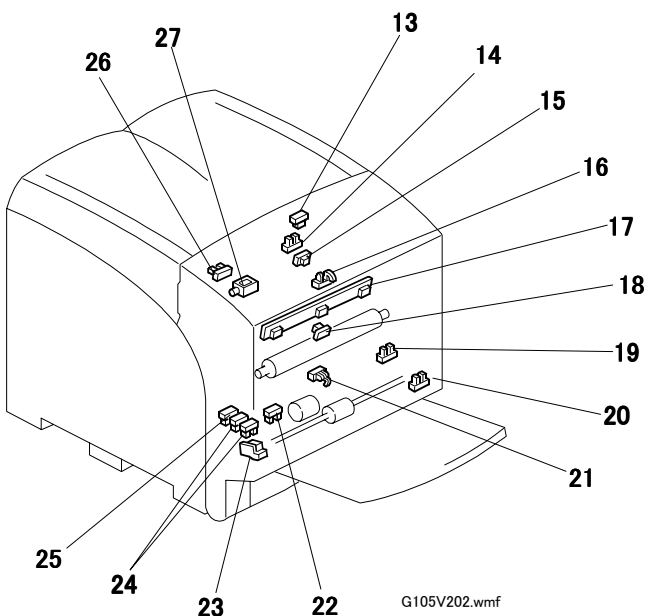
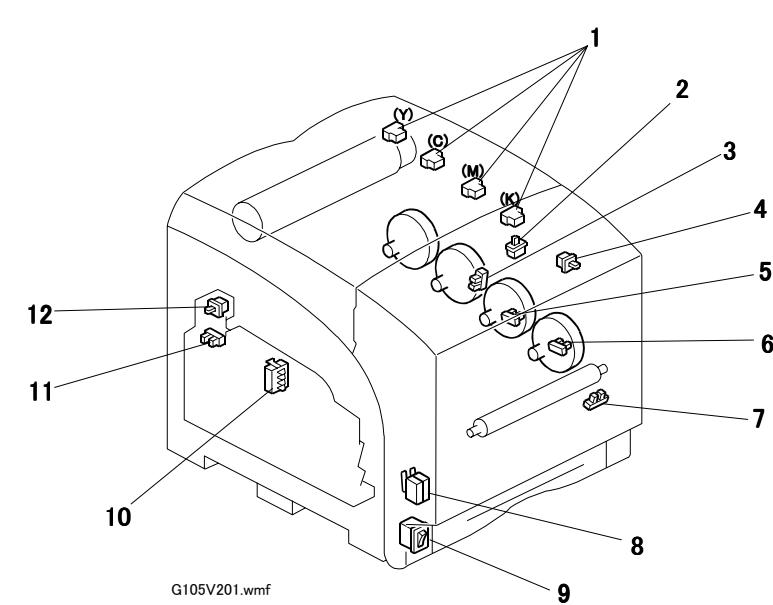
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810

G160/G161 ELECTRICAL COMPONENT LAYOUT



| Symbol         | Index No. | Description                                 | P to P |
|----------------|-----------|---------------------------------------------|--------|
| <b>Motors</b>  |           |                                             |        |
| M1             | 41        | Transfer Roller Contact Motor               | D4     |
| M2             | 64        | LDU Shutter Motor                           | D4     |
| M3             | 31        | Color OPC Motor                             | D5     |
| M4             | 34        | Black OPC / Development Motor               | D5     |
| M5             | 32        | Color Development Motor                     | D7     |
| M6             | 29        | Toner Supply Motor                          | D8     |
| M7             | 30        | Transfer Belt Unit Contact Motor            | D8     |
| M8             | 42        | Inverter Motor                              | G8     |
| M9             | 39        | Duplex Motor                                | G8     |
| M10            | 38        | Paper Feed / Fusing Motor                   | G7     |
| M11            | 40        | Transfer Belt Unit Motor                    | G7     |
| M12            | 69        | Polygon Motor                               | G3     |
| M12            | 70        | Polygon Motor Drive Board                   | G3     |
| <b>Fans</b>    |           |                                             |        |
| F1             | 53        | Polygon Motor Fan                           | C3     |
| F2             | 43        | Paper Exit Fan                              | G6     |
| F3             | 56        | Fusing Unit Fan                             | G7     |
| F4             | 55        | Drive Unit Fan                              | G7     |
| F5             | 57        | Duplex Unit Fan                             | G9     |
| F6             | 51        | PSU Fan                                     | D8     |
| -              | 46        | PSU Inner Fan                               | -      |
| <b>Sensors</b> |           |                                             |        |
| S1             | 5         | Color Drum Gear Position Sensor             | D5     |
| S2             | 6         | Black Drum Gear Position Sensor             | D6     |
| S3             | 28        | Toner End Sensor (Y)                        | D10    |
| S3             | 28        | Toner End Sensor (C)                        | D10    |
| S3             | 28        | Toner End Sensor (K)                        | D6     |
| S3             | 28        | Toner End Sensor (M)                        | D9     |
| S4             | 3         | Transfer Belt Contact Sensor                | D6     |
| S5             | 7         | Transfer Roller Contact Sensor              | D6     |
| S6             | 75        | TD Sensor / New PCU Detection / PCU Set (K) | D6     |
| S7             | 74        | Transfer Belt Rotation / New Unit Detection | D6     |

| Symbol          | Index No. | Description                                 | P to P |
|-----------------|-----------|---------------------------------------------|--------|
| S9              | 75        | TD Sensor / New PCU Detection / PCU Set (M) | D7     |
| S10             | 4         | Front Door Sensor                           | D7     |
| S11             | 75        | TD Sensor / New PCU Detection / PCU Set (C) | D9     |
| S12             | 11        | Waste Toner Overflow Sensor                 | D9     |
| S13             | 12        | Left Cover Sensor                           | D9     |
| S14             | 75        | TD Sensor / New PCU Detection / PCU Set (Y) | D10    |
| S15             | 49        | Temperature/Humidity Sensor                 | D10    |
| S16             | 10        | Paper Size Sensor                           | F10    |
| S17             | 18        | Fusing Entrance Sensor                      | G9     |
| S18             | 21        | Duplex Jam Sensor 2                         | G9     |
| S19             | 16        | Duplex Jam Sensor 1                         | G9     |
| S20             | 20        | By-pass Paper Detection Sensor              | G9     |
| S21             | 13        | Inverter Sensor                             | G8     |
| S22             | 15        | Fusing Exit Sensor                          | G6     |
| S23             | 26        | Paper Overflow Sensor                       | G6     |
| S24             | 14        | Paper Exit Sensor                           | G6     |
| S25             | 17        | ID Sensor                                   | G6     |
| S26             | 71        | Fusing Thermistor / New Unit Sensor         | G5     |
| S28             | 2         | Top Cover Sensor                            | G5     |
| S29             | 65        | LDU Shutter Sensor                          | G5     |
| S30             | 19        | Registration Sensor                         | G5     |
| S31             | 25        | Paper Width Sensor                          | G4     |
| S32             | 24        | Paper Height Sensor 2                       | G4     |
| S33             | 24        | Paper Height Sensor 1                       | G4     |
| S34             | 22        | Paper End Sensor                            | G4     |
| <b>Switches</b> |           |                                             |        |
| SW1             | 9         | Main Power SW                               | F2     |
| SW3             | 8         | Interlock SW                                | D4     |

| Symbol           | Index No. | Description                        | P to P |
|------------------|-----------|------------------------------------|--------|
| <b>Solenoids</b> |           |                                    |        |
| SOL1             | 33        | Development Clutch                 | D5     |
| SOL2             | 23        | By-pass Solenoid                   | G8     |
| SOL3             | 27        | Junction Gate Solenoid             | G6     |
| SOL4             | 37        | Relay Transport Clutch             | G5     |
| SOL5             | 35        | Registration Clutch                | G4     |
| SOL6             | 36        | Paper Feed Clutch                  | G4     |
| <b>PCBs</b>      |           |                                    |        |
| PCB1             | 61        | LDB [M]                            | B1     |
| PCB2             | 60        | LDB [C]                            | B1     |
| PCB3             | 59        | LDB [Y]                            | B2     |
| PCB4             | 62        | LDB [K]                            | B2     |
| PCB5             | 54        | EGB                                | D3     |
| PCB6             | 47        | High Voltage Power 1               | E1     |
| PCB7             | 46        | High Voltage Power 2               | E2     |
| PCB8             | 45        | PSU                                | E2     |
| PCB9             | 50        | Controller                         | C3     |
| PCB10            | 52        | IOB                                | E7     |
| PCB11            | 58        | OPU                                | G8     |
| <b>Others</b>    |           |                                    |        |
| LSD1             | 67        | Synchronizing Detector Board Y,C-E | G4     |
| LSD2             | 68        | Synchronizing Detector Board Y,C-S | G4     |
| LSD3             | 66        | Synchronizing Detector Board M,K-E | G4     |
| LSD4             | 63        | Synchronizing Detector Board M,K-S | G3     |
| CON1             | 1         | ID Chip Connector                  | D8,D9  |
| H2               | 73        | Fusing Lamp                        | G3     |
| SD1              | 48        | SD Card                            | -      |
| TS               | 72        | Thermostat                         | -      |
| QL               | 76        | Quenching Lamp                     | -      |