

11 Reference Information

This chapter contains the tools list, list of abbreviations used in this manual, and a guide to the location space required when installing the printer. A definition of tests pages is also included.

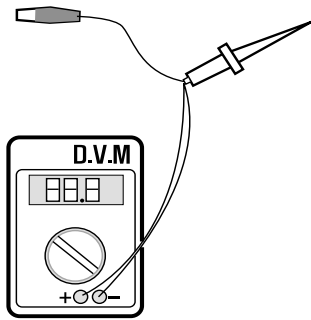
11.1 Tool for Troubleshooting

The following tools are recommended for safe and smooth troubleshooting described in this service manual.

1

DVM(Digital Volt Meter)

Standard: Indicates more than 3 digits.



5

Cleaning Equipments

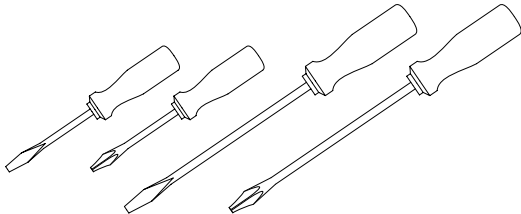
Standard : An IPA(Isopropyl Alcohol)dry wipe tissue or a gentle neutral detergent and lint-free cloth.



2

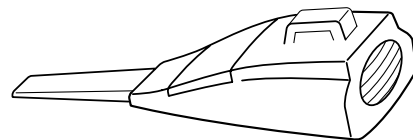
Driver

Standard : "-" type, "+" type (M3 long, M3 short, M2 long, M2 short).



6

Vacuum Cleaner



7

Spring Hook

Standard : For general use



3

Tweezers

Standard : For general home use, small type.



4

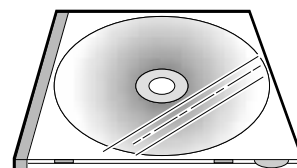
Cotton Swab

Standard : For general home use, for medical service.



8

Software(Driver) installation CD ROM



11.2 Acronyms and Abbreviations

The table in the below explains abbreviations used in this service manual.

The contents of this service manual are declared with abbreviations in many parts. Please refer to the table.

| | | | |
|------------|---|---------|---|
| ADC | Analog-to-Digital-Conversion | FCOT | First Copy Out Time |
| AP | Access Point | FFC | FLexiable FLat Cable |
| AC | Alternating Current | LAN | local area network |
| ASIC | Application Specific Integrated Circuit | LBP | Laser Beam Printer |
| ASSY | Assembly | EPP | Enhanced Parallel Port |
| BIOS | Basic Input Output System | F/W | Firmware |
| BLDC Motor | Brushless DC Motor | FCF/FCT | First Cassette Feeder/First Cassette Tray |
| CIS | Contact Image Sensor | FISO | Front-In, Side-Out |
| CMOS | Complementary Metal Oxide Semiconductor | FPOT | First Print out Time |
| CN | Connector | GDI | Windows Graphic Device Interface |
| CON | Connector | GIF | Graphic Interchange Format |
| CPU | Central Processing Unit | GND | Ground |
| dB | Decibel | HBP | Host Based Printing |
| dBA | A-Weighted decibel | HDD | Hard Disk Drive |
| dBm | Decibel milliwatt | HTML | Hyper Text Transfer Protocol |
| DC | Direct Current | HV | High Voltage |
| DCU | Diagnostic Control Unit | HVPS | High Voltage Power Supply |
| DIMM | Dual In-line Memory Module | I/F | Interface |
| DPI | Dot Per Inch | I/O | Input and Output |
| DRAM | Dynamic Random Access Memory | lb | Pound(s) |
| DVM | Digital Voltmeter | IC | Integrated Circuit |
| ECP | Enhanced Capability Port | ICC | International Color Consortium |
| ECU | Engine Control Unit | IDE | Intelligent Drive Electronics or Integrated Drive Electronics |
| EEPROM | Electronically Erasable Programmable Read Only Memory | IEEE | Institute of Electrical and Electronics Engineers. Inc |
| EMI | Electro Magnetic Interference | IOT | Image Output Terminal (Color printer, Copier) |
| EP | Electro photographic | IPA | Isopropy Alcohol |
| EPP | Enhanced Parallel Port | | |

| | | | |
|---------|--|---------------|---|
| IPC | Inter Process Communication | RAM | Random Access Memory |
| IPM | Images Per Minute | ROM | Read Only Memory |
| LCD | Liquid Crystal Display | SCF/SCT | Second Cassette Feeder/Second Cassette Tray |
| LED | Light Emitting Diode | SMPS | Switching Mode Power Supply |
| LSU | Laser Scanning Unit | SPGP | Samsung Printer Graphic Processor |
| MB | Megabyte | SPL | Samsung Printer Language |
| MFP | Multi-Functional Product | Spool | Simultaneous Peripheral Operation Online |
| MHz | Megahertz | SURF | Surface Rapid Fusing |
| MPBF | Mean Prints Between Failure | SW | Switch |
| MPF/MPT | Multi Purpose Feeder/Multi Purpose Tray | sync | Synchronous or Synchronization |
| NIC | Network Interface Card | T1 | ITB |
| NPC | Network Printer Card | T2 | Transfer Roller |
| NVRAM | Nonvolatile Random Access Memory | TBD | To Be Determined |
| OPC | Organic Photo Conductor | TRC | Toner Reproduction Curve |
| PBA | Printed Board Assembly | TTM | Time to Market |
| PCL | Printer Command Language , Printer Control Language | PnP | Universal Plug and Play |
| PCI | Peripheral Component Interconnect by Intel 1992/6/22, is a local bus standard developed by Intel and introduced in April, 1993 : A60, B60 Pins | UMC | Unit Manufacturing Cost |
| PDF | Portable Document Format | URL | Uniform Resource Locator |
| PDL | Page Description Language | USB | Universal Serial Bus |
| Ping | Packet internet or Inter-Network Groper | VCCI | Voluntary Control Council for Interference Information Technology Equipment |
| PPD | Postscript Printer Discription | WECA Alliance | Wireless Ethernet Compatibility |
| PPM | Page Per Minute | Wi-Fi | Wireless Fidelity |
| PS | Post Script | | |
| PTL | Pre-Transfer Lamp | | |
| PWM | Pulse Width Moduration | | |
| Q'ty | Quantity | | |
| QCD | Quality, Cost, and Delivery | | |



11.4 A4 ISO 19752 Standard Pattern

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