

6. Reference Information

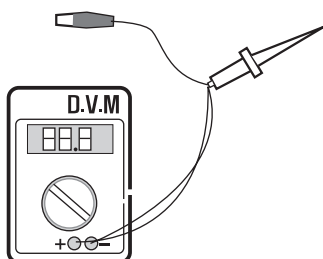
This chapter contains the tools list, list of abbreviations used in this manual, and a guide to the location space required when installing the printer. A definition of tests pages and Wireless Network information definition is also included.

6.1 Tools for Troubleshooting

The following tools are recommended safe and easy troubleshooting as described in this service manual.

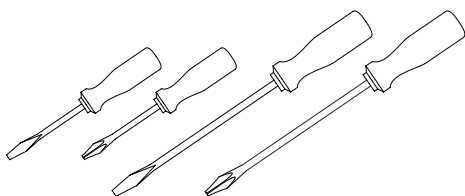
- **DVM(Digital Volt Meter)**

Standard : Indicates more than 3 digits.



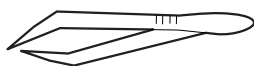
- **Driver**

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



- **Tweezers**

Standard : For general home use, small type.



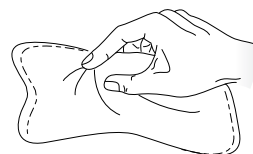
- **Cotton Swab**

Standard : For general home use, for medical service.



- **Cleaning Equipments**

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



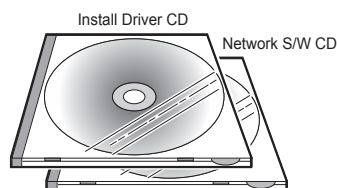
- **Vacuum Cleaner**



- **Brush**



- **Software (Driver) installation CD ROM**



6.2 Acronyms and Abbreviations

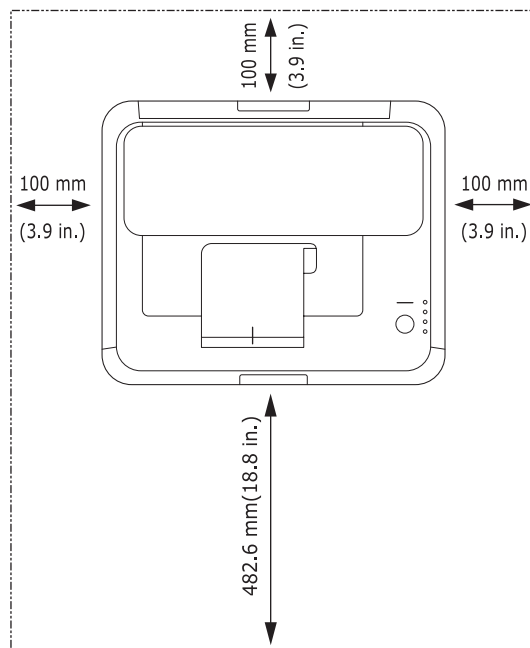
The table below explains the abbreviations and acronyms used in this service manual. Where abbreviations or acronyms are used in the text please refer to this table.

ADC	Analog-to-Digital-Conversion	HBP	Host Based Printing
AP	Access Point	HDD	Hard Disk Drive
AC	Alternating Current	HTML	Hyper Text Transfer Protocol
ASIC	Application Specific Integrated Circuit	HV	High Voltage
ASSY	Assembly	HVPS	High Voltage Power Supply
BIOS	Basic Input Output System	I/F	Interface
BLDC Motor	Brushless DC Motor	I/O	Input and Output
CLBP	Color Laser Beam Printer	lb	Pound(s)
CMOS	Complementary Metal Oxide Semiconductor	IC	Integrated Circuit
CMYK	Cyan, Magenta, Yellow, Black	ICC	International Color Consortium
CN	Connector	IDE	Intelligent Drive Electronics or Integrated Drive Electronics
CON	Connector	IEEE	Institute of Electrical and Electronics Engineers. Inc
CPU	Central Processing Unit	IOT	Image Output Terminal (Color printer, Copier)
CTD Sensor	Color Toner Density Sensor	IPA	Isopropyl Alcohol
dB	Decibel	IPC	Inter Process Communication Enhanced parallel Port
dBA	A-Weighted decibel	IPM	Images Per Minute
dBm	Decibel milliwatt	ITB	Image Transfer Belt
DC	Direct Current	LAN	local area network
DCU	Diagnostic Control Unit	LBP	Laser Beam Printer
DIMM	Dual In-line Memory Module	LCD	Liquid Crystal Display
DPI	Dot Per Inch	LED	Light Emitting Diode
DRAM	Dynamic Random Access Memory	LSU	Laser Scanning Unit
DVM	Digital Voltmeter	MB	Megabyte
ECP	Enhanced Capability Port	MHz	Megahertz
ECU	Engine Control Unit	MPBF	Mean Prints Between Failure
EEPROM	Electrically Erasable Programmable Read Only Memory	MPF/MPT	Multi Purpose Feeder/Multi Purpose Tray
EMI	Electro Magnetic Interference	NIC	Network Interface Card
EP	Electro photographic	NPC	Network Printer Card
EPP	Enhanced Parallel Port	NVRAM	Nonvolatile Random Access Memory
F/W	Firmware	OPC	Organic Photo Conductor
FCF/FCT	First Cassette Feeder/First Cassette Tray	PBA	Printed Board Assembly
FISO	Front-In, Side-Out	PCL	Printer Command Language , Printer Control Language
FPOT	First Print out Time		
GDI	Windows Graphic Device Interface		
GIF	Graphic Interchange Format		
GND	Ground		

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	SMPS	Switching Mode Power Supply
PCL5Ce	Printer Command Language 5Ce-Color	SPGP	Samsung Printer Graphic Processor
PCL6	Printer Command Language 6	SPL	Samsung Printer Language
PDF	Portable Document Format	SPL-C	Samsung Printer Language-Color
PDL	Page Description Language	Spool	Simultaneous Peripheral Operation Online
Ping	Packet internet or Inter-Network Groper	SRS	Software Requirement Specification
PPD	Postscript Printer Discription	SURF	Surface Rapid Fusing
PPM	Page Per Minute	SW	Switch
PS	Post Script	sync	Synchronous or Synchronization
PS3	Post Script Level3	T1	ITB
PTL	Pre-Transfer Lamp	T2	Transfer Roller
PTB	Paper-Transfer Belt	TRC	Toner Reproduction Curve
PWM	Pulse Width Moduration	PnP	Universal Plug and Play
Q?y	Quantity	U.I.	User Interface
RAM	Random Access Memory	URL	Uniform Resource Locator
RCP	Remote Control Panel	USB	Universal Serial Bus
ROM	Read Only Memory	VCCI	Voluntary Control Council for Interference Information Technology Equipment
SCF/SCT	Second Cassette Feeder/Second Cassette Tray	WECA	Wireless Ethernet Compatibility Alliance
		Wi-Fi	Wireless Fidelity

6.3 Select a location for the printer

- Leave enough room to open the printer trays, covers, and allow for proper ventilation. (see diagram below)
- Provide the proper environment :
 - A firm, level surface
 - Away from the direct airflow of air conditioners, heaters, or ventilators
 - Free of extreme fluctuations of temperature, sunlight, or humidity
 - Clean, dry, and free of dust



6.4 A4 ISO 19798 Standard Pattern

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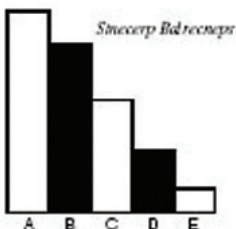
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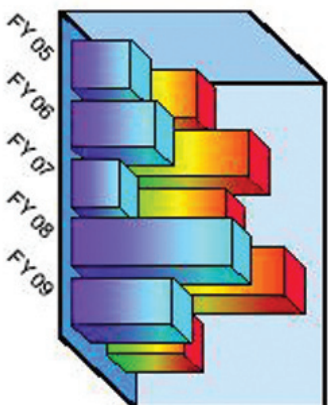
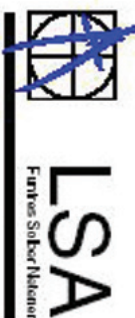
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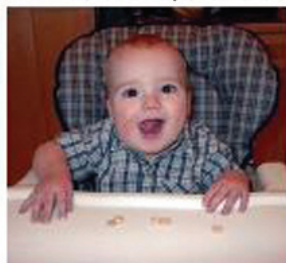
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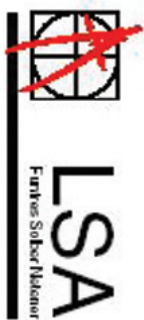
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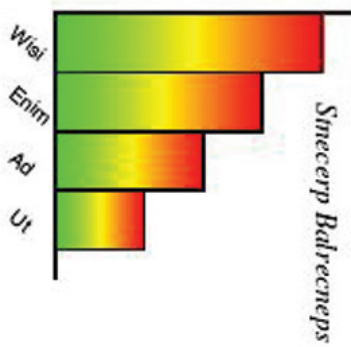
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