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Page Laser Printer Canon LBP1260 Contents General description, Operation avd timing, The mechanical system Disassembly, Reassembly and adjustment procedures, Installation, Maintenance and servicing, Troubleshooting, Appendix General timing chart, General circuit diagram, PSB circuit diagrams.Parts catalog LBP1760, LBP1760e. Circuit Diagram LBP1760, LBP1760e.Parts catalog LBP3000, LBP2900 series. Circuit Diagram LBP3000, LBP2900 series. Contents Product description, Technical reference, Disassembly and assembly, Maintenance and inspection, Troubleshooting, Appendix.Parts catalog Pixma MP170, Pixma MP450, Pixus MP170, Pixus MP450.

Reference This manual does not provide sufficient information for disassembly and reassembly procedures. Refer to the graphics in the separate Parts Catalog. A guide to troubleshooting the product and identifying the parts and units needing replacement. Troubleshooting is described according to problem descriptions as well as error indications by the status indicator. Block diagrams, information on the hardware technologies, and pin configurations. A guide to troubleshooting the product and identifying the parts and units needing replacement. Block diagrams, information on the hardware technologies, and pin configurations. A guide to troubleshooting the product and identifying parts needing replacement. Troubleshooting solutions are listed according to the error indications displayed by the status indicator and by problem descriptions. Block diagrams and information on the hardwares new technologies. Pin configurations. A guide to troubleshooting the product and identifying the parts and units needing replacement. Block diagrams, information on the hardware technologies, and pin configurations.CIRCUIT DIAGRAM PC1000s, PC1200s, imageCLASS D600s Contents Product outline, using the machine, installation, operation, mechanical system, maintenance and inspection, troubleshooting, appendix. This manual covers all localities where the products are sold. For this reason, there may be information in this manual that does not apply to your locality. When changes occur in applicable products or in the content of this manual, Canon will release technical information as the need arises. In the event of major changes in the contents of this manual over a long or short period, Canon will issue a new edition of this manual Under the copyright laws, this manual may not be copied, reproduced or translated into another language, in whole or in part, without the written consent of Canon Inc., except in the case of internal business use.

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We look forward to your challenge! In commemoration of this milestone, we have created a special website celebrating its 50year history. Gen3 office multifunction devices. Wide carriage printers were often used in the field of businesses, to print accounting records on 11by14inch 280 mm 360 mm tractorfeed paper. The demand for higher speed led to the development of new systems specifically for computer use. In the 1980s there were daisy wheel systems similar to typewriters, line printers that produced similar output but at much higher speed, and dot matrix systems that could mix text and graphics but produced relatively lowquality output. The plotter was used for those requiring high quality line art like blueprints. The HP Deskjet of 1988 offered the same advantages as a laser printer in terms of flexibility, but produced somewhat lower quality output depending on the paper from much less expensive mechanisms. Inkjet systems rapidly displaced dot matrix and daisy wheel printers from the market. These printers are designed for lowvolume, shortturnaround print jobs, requiring minimal setup time to produce a hard copy of a given document. However, they are generally slow devices ranging from 6 to around 25 pages per minute ppm, However, this is offset by the ondemand convenience. Some printers can print documents stored on memory cards or from digital cameras and scanners. A virtual printer can be used to create a file which is an image of the data which would be printed, for archival purposes or as input to another program, for example to create a PDF or to transmit to another system or user.Barcode printers are commonly used to label cartons before shipment, or to label retail items with UPCs or EANs.It is called a printer by analogy with an inkjet printer which produces a twodimensional

document by a similar process of depositing a layer of ink on paper.

Banks and other clearing houses employ automation equipment that relies on the magnetic flux from these specially printed characters to function properly. As with digital photocopiers and multifunction printers MFPs, laser printers employ a xerographic printing process but differ from analog photocopiers in that the image is produced by the direct scanning of a laser beam across the printers photoreceptor. They are the most common type of computer printer used by consumers. They use solid sticks, crayons, pearls or granular ink materials. Common inks are CMYK colored ink, similar in consistency to candle wax, which are melted and fed into a piezo crystal operated printhead. A Thermal transfer printhead jets the liquid ink on a rotating, oil coated drum. The paper then passes over the print drum, at which time the image is immediately transferred, or transfixed, to the page. Solid ink printers are most commonly used as color office printers and are excellent at printing on transparencies and other nonporous media. Solid ink printers can produce excellent results with text and images. Some solid ink printers have evolved to print 3D models. Acquisition and operating costs are similar to laser printers. Drawbacks of the technology include high energy consumption and long warmup times from a cold state. Also, some users complain that the resulting prints are difficult to write on, as the wax tends to repel inks from pens, and are difficult to feed through automatic document feeders, but these traits have been significantly reduced in later models. This type of thermal transfer printer is only available from one manufacturer, Xerox, manufactured as part of their Xerox Phaser office printer line. Previously, solid ink printers were manufactured by Tektronix, but Tektronix sold the printing business to Xerox in 2001. The process is usually to lay one colour at a time using a ribbon that has colour panels.

Dyesub printers are intended primarily for highquality colour applications, including colour photography; and are less wellsuited for text. While once the province of highend print shops, dyesublimation printers are now increasingly used as dedicated consumer photo printers. Monochrome thermal printers are used in cash registers, ATMs, gasoline dispensers and some older inexpensive fax machines. Colours can be achieved with special papers and different temperatures and heating rates for different colours; these coloured sheets are not required in blackandwhite output. The impact printer uses a print head that either hits the surface of the ink ribbon, pressing the ink ribbon against the paper similar to the action of a typewriter, or, less commonly, hits the back of the paper, pressing the paper against the ink ribbon the IBM 1403 for example. All but the dot matrix printer rely on the use of fully formed characters, letterforms that represent each of the characters that the printer was capable of printing. Impact printers varieties include typewriterderived printers, teletypewriterderived printers, daisywheel printers, dot matrix printers, and line printers. Dotmatrix printers remain in common use in businesses where multipart forms are printed. The Friden Flexowriter and IBM Selectric based printers were the most common examples. In either case, the letter form then struck a ribbon which was pressed against the paper, printing one character at a time. The maximum speed of the Selectric printer the faster of the two was 15.5 characters per second. Others used a type cylinder in a similar way as the Selectric typewriters used their type ball. In either case, the letter form then struck a ribbon to print the letterform. Most teleprinters operated at ten characters per second although a few achieved 15 CPS. The letter form strikes a ribbon of ink, depositing the ink on the page and thus printing a character.

By rotating the daisy wheel, different characters are selected for printing. These printers were also referred to as letterquality printers because they could produce a text which was as clear and crisp as a typewriter. The fastest letterquality printers printed at 30 characters per second. Such printers normally had either 9 or 24 pins on the print head early 7 pin printers also existed, which did not print descenders . There was a period during the early home computer era when a range of printers were manufactured under many brands such as the Commodore VIC1525 using the Seikosha

UniHammer system. This used a single solenoid with an oblique striker that would be actuated 7 times for each column of 7 vertical pixels while the head was moving at a constant speed. The angle of the striker would align the dots vertically even though the head had moved one dot spacing in the time. Once the price of inkjet printers dropped to the point where they were competitive with dot matrix printers, dot matrix printers began to fall out of favour for general use. This is achieved through the use of a fourcolour ribbon mounted on a mechanism provided in an upgrade kit that replaces the standard black ribbon mechanism after installation that raises and lowers the ribbons as needed. Colour graphics are generally printed in four passes at standard resolution, thus slowing down printing considerably. As a result, colour graphics can take up to four times longer to print than standard monochrome graphics, or up to 816 times as long at high resolution mode. Impact printing, unlike laser printing, allows the pressure of the print head to be applied to a stack of two or more forms to print multipart documents such as sales invoices and credit card receipts using continuous stationery with carbonless copy paper. It also has security advantages as ink impressed into a paper matrix by force is harder to erase invisibly.

Dotmatrix printers were being superseded even as receipt printers after the end of the twentieth century. Four principal designs exist. The IBM 1403 is perhaps the most popular and comes in both chain and train varieties. The band printer is a later variant where the characters are embossed on a flexible steel band. The LP27 from Digital Equipment Corporation is a band printer. Each bar contains the character set to be printed. The paper presses forward against a ribbon which then presses against the character form and the impression of the character form is printed onto the paper. Each system could have slight timing issues, which could cause minor misalignment of the resulting printed characters. For drum or typebar printers, this appeared as vertical misalignment, with characters being printed slightly above or below the rest of the line. In chain or bar printers, the misalignment was horizontal, with printed characters being crowded closer together or farther apart. This was much less noticeable to human vision than vertical misalignment, where characters seemed to bounce up and down in the line, so they were considered as higher quality print. These printers are a hybrid of dot matrix printing and line printing. In these printers, a comb of hammers prints a portion of a row of pixels at one time, such as every eighth pixel. By shifting the comb back and forth slightly, the entire pixel row can be printed, continuing the example, in just eight cycles. The paper then advances, and the next pixel row is printed. Because far less motion is involved than in a conventional dot matrix printer, these printers are very fast compared to dot matrix printers and are competitive in speed with formedcharacter line printers while also being able to print dot matrix graphics. The Printronix P7000 series of line matrix printers are still manufactured as of 2013.