TOSHIBA

Toshiba B-450-R SERIES Owner's Manual

B-450-r series barcode printer

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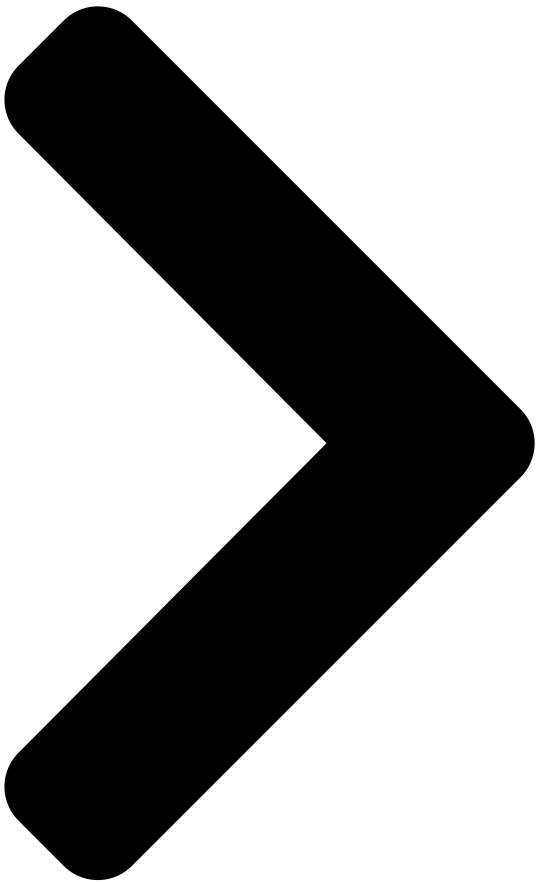

TOSHIBA Barcode Printer

B-450-R SERIES

TOSHIBA

Manual

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Related Manuals for Toshiba B-450-R SERIES

Printer Toshiba B-415 Owner's Manual

Toshiba portable printer owner's manual b-415 (32 pages)

Printer Toshiba B-480-QQ Owner's Manual

Toshiba printer user manual (30 pages)

Printer Toshiba B-480-QP Owner's Manual

Toshiba printer user manual (170 pages)

Printer Toshiba TEC B 452 User Functions Manual

Multifunctional digital systems (184 pages)

Printer Toshiba B-EV4 Series Manual

(57 pages)

Printer Toshiba B-SX6T Series Supply Loading Instructions

(10 pages)

Printer Toshiba B-SA4T Series Option Installation Manual

(58 pages)

Printer Toshiba B-SX600 SERIES Product Description

B-sx600 series barcode printer (46 pages)

Printer Toshiba B-SV4D Series Manual

Thermal printer (43 pages)

Printer Toshiba B-EX4 SERIES Product Description

Thermal printer (55 pages)

Printer Toshiba B-SX5T Product Description

(57 pages)

Printer Toshiba B-SX5T SERIES Owner's Manual

Tec thermal printer (120 pages)

Printer Toshiba B-SX4T Series Owner's Manual

B-sx4t series (54 pages)

Printer Toshiba B-FP3D SERIES Owner's Manual

(39 pages)

Printer Toshiba B-FV4T-GS12-QM-R Owner's Manual

B-fv4t series (63 pages)

Printer Toshiba B-FP2D-GH30-QM-S Owner's Manual

(38 pages)

Summary of Contents for Toshiba B-450-R SERIES

Page 1 TOSHIBA Barcode Printer B-450-R SERIES Owner’s Manual...

Page 2 È uma produto Classe A. Num ambiente doméstico este produto pode causar interferência de radio nesse caso o utilizador deverá tomar as medidas e cuidados adequados. Copyright © 2008 by TOSHIBA TEC CORPORATION All Rights Reserved 570 Ohito, Izunokuni-shi, Shizuoka-ken, JAPAN...

Page 3: Safety Summary

Do not attempt to effect repairs or modifications to this equipment. If a fault occurs that cannot be rectified using the procedures described in this manual, turn off the power, unplug the

machine, then contact your authorised TOSHIBA TEC representative for assistance. Meanings of Each Symbol This symbol indicates warning items (including cautions).

Page 4 • Utilize our maintenance services. After purchasing the machine, contact your authorised TOSHIBA TEC representative for assistance once a year to have the inside of the machine cleaned. Otherwise, dust will build up inside the machines and may cause a fire or a malfunction. Cleaning is particularly effective before humid rainy seasons.

Page 5: Table Of Contents

11.2 DIAGNOSTIC TEST OPERATION AND TEST PRINT .....11- 3 11.3 LAN AND BASIC SETTING .....11- 5 CAUTION: 1. This manual may not be copied in whole or in part without prior written permission of TOSHIBA TEC. 2. The contents of this manual may be changed without notification.

Page 6 EO1-33076 Page 12. GENERAL MAINTENANCE .....12- 1 12.1 CLEANING .....12- 1 12.2 COVERS .....12- 2 12.3 REMOVING JAMMED PAPER .....12- 3 13. TROUBLESHOOTING .....13- 1 APPENDIX 1 LED INDICATION .....A1- 1 APPENDIX 2 INTERFACE.....A2- 1 APPENDIX 3 ASCII CODE/FONT/BARCODE SAMPLES .....

Page 7: Introduction

1.1 APPLICABLE MODEL 1. INTRODUCTION Thank you for choosing the TOSHIBA B-450-R Series thermal direct/thermal transfer printer. This new generation high performance high quality printer is equipped with the latest hardware including the newly developed high density (11.8 dot/mm, 300 dot/inch) print head. This allows very clear print at a maximum speed of 101.6 mm/sec.

Page 8: Specifications

2. SPECIFICATIONS EO1-33076 2.1 GENERAL SPECIFICATIONS 2. SPECIFICATIONS 2.1 GENERAL SPECIFICATIONS Model B-452-TS22-QQ/QP-R Item Supply voltage QQ: 100 ~ 120V, 60Hz QP:220 - 240V, 50Hz Power consumption QQ: 0.94 A, 47 W maximum (standby: 0.3 A, 18 W maximum) QP: 0.41 A, 74 W maximum (standby: 0.15 A, 23.5 W maximum) Operating temperature 5°C ~ 40°C Relative humidity...

Page 9: Paper (Label/Tag) Specifications

Outer diameter Ø65 mm (max.) NOTES: 1. To ensure good print quality and maximum print head life use only TOSHIBA TEC specified paper and ribbons. 2. For further information about paper and ribbon, refer to Section 7. CARE/HANDLING OF THE PAPER AND RIBBON.

Page 10: Appearance

3. APPEARANCE EO1-33076 3.1 FRONT/REAR VIEW 3. APPEARANCE 3.1 FRONT/REAR VIEW Front View Rear View Paper Guide Parallel Interface Top Cover Connector Operation Panel (Centronics) Optionan Expansion I/O I/F Serial I/F Wireless LAN Paper Outlet LAN I/F Supply Holder AC Power Inlet Power Switch O : OFF I : ON...

Page 11: Installation Procedure

4. INSTALLATION PROCEDURE EO1-33076 4.1 INSTALLING THE SUPPLY HOLDER UNIT 4. INSTALLATION PROCEDURE 4.1 INSTALLING THE SUPPLY HOLDER UNIT WARNING! Turn the power OFF before installing the supply holder unit. Fit the two studs on the bottom of the printer into the holes in the supply holder unit. Supply Holder Unit Fig.

Page 12: Loading The Ribbon

5. LOADING THE RIBBON EO1-33076 5. LOADING THE RIBBON 5. LOADING THE RIBBON The printer is capable of printing in both direct thermal and thermal transfer modes. DO NOT LOAD a ribbon when using a direct thermal paper. 1. Turn the power off and open the top cover. 2.

Page 13 5. LOADING THE RIBBON EO1-33076 5. LOADING THE RIBBON 5. Set the ribbon core (supply side) by fitting the protrusion into the notch. Fig. 5-3 6. Turn the guide wheel in the arrow-indicating direction to remove any slack of the ribbon. NOTE: Make sure that the ribbon has no wrinkles and the protrusions are fitted into the notches of the ribbon cores.

Page 14: Loading The Paper

6. LOADING THE PAPER EO1-33076 6. LOADING THE PAPER 6. LOADING THE PAPER This supply holder accepts four sizes of label core: 38 mm, 40 mm, 42 mm and 76.2 mm. When using a paper roll of 38 mm, 40 mm or 42 mm, remove the spacers from the supply holders using the following procedure.

Page 15 6. LOADING THE PAPER EO1-33076 6. LOADING THE PAPER 3. Put the paper roll and supply holders on the supply holder unit. NOTE: Paper may be wound outside or inside. Regardless of the paper roll, the paper must be loaded so that the print side faces upward.

Page 16 6. LOADING THE PAPER EO1-33076 6. LOADING THE PAPER NOTE: Pass the paper straight from the supply holder to paper outlet. Failure to do this may cause skew feeding or paper jam. Paper Paper Guide Platen Supply Holder A = B Fig.

Page 17 6. LOADING THE PAPER EO1-33076 6. LOADING THE PAPER Strip type: 1. Strip the labels from the backing paper for about 200-mm long from the top edge of the label roll. 2. First push the strip lever toward the printer to release the hook, and then pull the strip lever. 3.

Page 18: Care/Handling Of The Paper And Ribbon

7. CARE/HANDLING OF THE PAPER AND RIBBON CAUTION: Be sure to read carefully and understand the Supply Manual. Ask your nearest authorized TOSHIBA TEC representative for the Supply Manual. Use only paper and ribbon which meet specified requirements. Use of non-specified paper and ribbon may shorten the head life and result in problems with bar code readability or print quality.

Page 19: Connecting The Printer To Your Computer

8. CONNECTING THE PRINTER TO YOUR COMPUTER EO1-33076 8. CONNECTING THE PRINTER TO YOUR COMPUTER 8. CONNECTING THE PRINTER TO YOUR COMPUTER The following paragraphs outline how to connect your host computer to the printer, and will also show how to make cable connections to other devices. Depending on the system configuration you use to print labels, there are 5 possibilities for connecting the printer to your host computer.

Page 20: Turning The Power On

9. TURNING THE POWER ON EO1-33076 9. TURNING THE POWER ON 9. TURNING THE POWER ON CAUTION! Use the power switch to turn the printer On/Off. Plugging or unplugging the Power Cord to turn the printer On/ Off may cause fire, an electric shock, or damage to the printer. When the printer is connected to your host computer it is good practice to turn the printer ON before turning on your host computer and turn OFF your host computer before turning off the printer.

Page 21: Installing The Printer Drivers

10 INSTALLING THE PRINTER DRIVERS 10.1 INTRODUCTIONS This manual describes how to install the TOSHIBA printer driver for the TOSHIBA bar code printer on your Windows host computer; install and delete the printer driver, the procedure for adding the LAN port, cautions and limitations.

Page 22 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER Windows 98/Me Select “Settings” – “Printers” from the “Start” menu to open the printer folder. Double-click on the “Add Printer” icon. The Add Printer Wizard runs. Click on the [Next] button. Select “Local printer”, then click on the [Next] button.

Page 23 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER The screen to select the existing installed printer driver or use the new one, is displayed. Select “Replace existing driver”, then click on the [Next] button. If you install the printer driver for the first time, this screen is not displayed.

Page 24 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER Windows 2000/XP Log on to your host computer as a member who has full control access privilege concerning the printer settings. Select “Settings” – “Printers” from the “Start” menu to open the printer folder. Double-click on the “Add Printer”...

Page 25 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER The “Use Existing Driver” screen is displayed. Select “Replace existing driver”, then

click on the [Next] button. If you install the printer driver for the first time, this screen is not displayed. 10.

Page 26 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER USB INTERFACE Installation starts by the operating system's plug-and-play function. Windows 98/Me Turn the printer ON, then connect it to your host computer with the USB cable. The "New Hardware Found" dialog box is displayed, and "USB Device" is detected. After a while, the "Add New Hardware Wizard"...

Page 27 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER Select "Search for the best driver for your device. (Recommended)". Mark the "Specify a location" checkbox, then click on the [Browse] button. Specify "\driver" folder, then click on the [Next] button. Check to see that the "USB Printing Support"...

Page 28 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER When the screen which indicates the USB Printing Support driver has been installed, is displayed, click on the [Finish] button. After a while, "TEC B-SA4T" is detected as a new hardware. The "Add New Hardware Wizard"...

Page 29 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER Select "Search for the best driver for your device. (Recommended)". Mark the "Specify a location" checkbox, then click on the [Browse] button. Specify "\driver" folder, then click on the [Next] button. Check to see that the "TEC B-SA4T"...

Page 30 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER 10. Change the printer name if necessary, and select whether or not you use the printer as the default printer ("Yes" or "No"). Click on the [Finish] button. 11. When the screen, which indicates TEC B-SA4T has been installed, is displayed, click on the [Finish] button.

Page 31 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER Windows 2000/XP NOTE: When plug-and-play printer installation in progress is stopped, be sure to delete the printer detected and displayed on the "Device Manager" tab of the "System Properties" dialog box. Log on to your host computer as a member who has full control access privilege concerning the printer settings.

Page 32 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER Select "Install from a list or specific location (Advanced)", then click on the [Next] button. Select "Search for the best driver in these locations". Mark the "Include this location in the search" checkbox, then click on the [Browse] button. Specify the "\driver"...

Page 33 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.3 INSTALLING THE PRINTER DRIVER When the dialog box below is displayed, click on the [Continue Anyway] button. When the "Completing the Found New Hardware Wizard" screen is displayed, click on the [Finish] button. 10.

Page 34: Uninstalling The Printer Driver

10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.4 UNINSTALLING THE PRINTER DRIVER 10.4 UNINSTALLING THE PRINTER DRIVER NOTE: Before uninstalling the printer driver, be sure to complete all of printing, the status monitor, and properties settings. Windows 98/ME Select "Settings" – "Printers" from the "Start" menu to open the printer folder. Right-click on the printer driver icon to be deleted, then select "Delete".

Page 35: Adding/Deleting A Lan Port

10.5 ADDING/DELETING A LAN PORT 10.5 ADDING/DELETING A LAN PORT To use the LAN interface, first, you have to make the following settings (Refer to TOSHIBA TEC support representative.) • Set the printer IP address ("PRINTER IP ADRES"), the gateway IP address ("GATEWAY IP ADRES"), and subnet mask ("SUBNET MASK").

Page 36 10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.5 ADDING/DELETING A LAN PORT Windows 2000/XP Right-click on the printer icon. Select "Properties" to open the printer "Properties" dialog box. Select the "Ports" tab, and click on the [Add Port...] button. The "Printer Ports" dialog box is displayed.

Page 37: Cautions

10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.6 CAUTIONS 10.6 CAUTIONS Printer Driver Upgrades • To upgrade the printer driver to this version, uninstall the previous version of the printer driver, before installing this printer driver. • Be sure to restart your host computer, after you upgrade the printer driver. •...

Page 38: Using The Printer Driver

10. INSTALLING THE PRINTER DRIVERS EO1-33076 10.7 USING THE PRINTER DRIVER 10.7 USING THE PRINTER DRIVER For how to use the Printer Driver, please refer to the Help for Windows Printer Drivers screen. Open the Properties screen of the Printer Driver. Clicking on the About tab causes the following screen to appear.

Page 39: On Line Mode

11. ON LINE MODE EO1-33076 11.1 ON LINE OPERATION 11. ON LINE MODE In the ON LINE mode, the following settings can be performed. Diagnostic Test Operation • LAN and BASIC Setting Mode (Enabling/disabling the LAN and BASIC) • This section describes the Diagnostic Test Operation and Enabling/disabling the LAN and BASIC. 11.1 ON LINE OPERATION Operation Panel ERROR LED...

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11. ON LINE MODE EO1-33076 11.1 ON LINE OPERATION Example of ON LINE Mode Operation Turn the power on. Power ON POWER LED ON LINE LED ERROR LED The printer is in idle state or printing. POWER LED ON LINE LED ERROR LED Error occurs [PAUSE] key...

Page 41: Diagnostic Test Operation And Test Print

11. ON LINE MODE EO1-33076 11.2 DIAGNOSTIC TEST OPERATION AND TEST PRINT 11.2 DIAGNOSTIC TEST OPERATION AND TEST PRINT In self test mode the printer status is printed in two types of sample print. Turn on the power while holding down the Power ON [PAUSE] key.

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11. ON LINE MODE EO1-33076 11.2 DIAGNOSTIC TEST OPERATION AND TEST PRINT Sample Print of Maintenance Counter Sample Print of Diagnostic Test and Parameter Setting TOTAL FEED 1.1km [QQ] PROGRAM B-450-R FEED 1.1km MAIN 15OCT2005 V1.0A: 1A00 PRINT 0.5km BOOT 20SEP2005 V1.0: 8500 HTML 20SEP2005 V1.0: 8500 RIBBON FONT...

Page 43: Lan And Basic Setting

11. ON LINE MODE EO1-33076 11.3 LAN AND BASIC SETTING 11.3 LAN AND BASIC SETTING Turn the power ON while pressing and Power OFF holding the [FEED] key for 3 seconds or more in the Expansion Operation Setting [FEED] key mode.

Page 44: General Maintenance

3. Turn the head lever to raise the print head. 4. Remove the ribbon and paper. 5. Clean the print head element with print head cleaner NOTE: Please purchase the print head cleaner from the authorized TOSHIBA TEC service representative. Print Head (Thermal Element) Print Head Cleaner (24089500013) Fig.

Page 45: Covers

12. GENERAL MAINTENANCE EO1-33076 12.2 COVERS 6. Clean the platen with a cloth moistened with alcohol. 7. Remove any dust or glue from the detection area of the sensors and paper path with a soft cloth. Black mark/Feed gap sensor Platen Fig.

Page 46: Removing Jammed Paper

12. GENERAL MAINTENANCE EO1-33076 12.3 REMOVING JAMMED PAPER 12.3 REMOVING JAMMED PAPER 1. Turn the power off. 2. Open the top cover. 3. Move the head release lever toward the front of the printer to raise the print head block. 4.

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12. GENERAL MAINTENANCE EO1-33076 12.3 REMOVING JAMMED PAPER 2. Fit the enclosed Allen Key into the right side of the cutter unit to rotate the cutter manually. Remove the jammed paper and any paper particles from the cutter. 3. Clean the cutter with dry cloth. Allen Key Cutter Fig.

Page 48: Troubleshooting

If you cannot solve a problem with the following solutions, do not attempt to repair it yourself. Turn the power off, unplug the printer, then contact your TOSHIBA TEC representative for assistance. If the error lamp lights during printing, refer to the following troubleshooting to solve the problem.

Page 49 13. TROUBLESHOOTING EO1-33076 13. TROUBLESHOOTING Error type Problem Solution CUTTER ERROR Paper is jammed in the cutter. Remove the jammed paper and feed the undamaged media through the cutter. −> Press the [PAUSE] key. Else Turn the power off and contact your Authorized Service representative.

Page 50: Appendix 1 Led Indication

APPENDIX 1 LED INDICATION EO1-33076 APPENDIX 1 LED INDICATION APPENDIX 1 LED INDICATION Symbols in the message : The LED is illuminated. : The LED is flashing. : The LED is unlit. LED Indication Acceptance of Status Restoration by PAUSE Printer Status Request Reset key Yes/No...

Page 51 APPENDIX 1 LED INDICATION EO1-33076 APPENDIX 1 LED INDICATION LED Indication Acceptance of Status Restoration by PAUSE Printer Status Request Reset key Yes/No Command Yes/No POWER ONLINE ERROR When the following abnormal operations are performed, a system error occurs: (a) Command fetch from an odd address (b) Access to word data at an odd address...

Page 52: Appendix 2 Interface

APPENDIX 2 INTERFACE EO1-33076 APPENDIX 2 INTERFACE APPENDIX 2 INTERFACE NOTE: To prevent radiation and reception of electrical noise, the interface cables must meet the following requirements: • In case of a parallel interface cable or serial interface cable, fully shielded and fitted with metal or metallised connector housings.

Page 53 APPENDIX 2 INTERFACE EO1-33076 APPENDIX 2 INTERFACE Connector: Signal SPP Mode Nibble Mode nStrobe HostClk Data 1 Data 1 Data 2 Data 2 Data 3 Data 3 Data 4 Data 4 Data 5 Data 5 Data 6 Data 6 Data 7 Data 7 Data 8 Data 8...

Page 54: Usb Interface

APPENDIX 2 INTERFACE EO1-33076 APPENDIX 2 INTERFACE USB interface Standard: Conforming to V2.0 Full speed Transfer type: Control transfer, Bulk transfer Transfer rate: Full speed (12M bps) Class: Printer class Control mode: Status with the receive buffer free space information Number of ports: Power source: Self power...

Page 55 Default subnet mask: 255.255.255.0 NOTE: MAC address of the Wireless LAN module will be necessary when setting the MAC address filtering function of an access point. Please ask a service person of your nearest TOSHIBA TEC service representative. A2- 4...

Page 56 APPENDIX 2 INTERFACE EO1-33076 APPENDIX 2 INTERFACE Expansion I/O Interface (Option: B-SA704-IO-QM-R) Input Signal IN0 to IN5 Output Signal OUT0 to OUT6 Connector FCN-781P024-G/P or equivalent (External Device Side) Connector FCN-685J0024 or equivalent (Printer Side) Signal Function Signal Function Input FEED OUT6 Output...

Page 57: Appendix 3 Ascii Code/Font/Barcode Samples

APPENDIX 3 PRINT SAMPLES EO1-33076 APPENDIX 3 ASCII CODE/FONT/BARCODE SAMPLES APPENDIX 3 ASCII CODE/FONT/BARCODE SAMPLES ASCII Code Chart Font Sample Barcode Sample A3-1...

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INDEX EO1-33076 INDEX INDEX AC Power inlet .....3-1 Relative humidity .....2-1 Resolution .....1-1 Bar code types .....2-1 Ribbon .....2-2, 5-1, 10-1 Cleaning .....12-1 Sensor Feed gap sensor .....12-2 Specifications ..... 2-1 Fonts .....2-1 Supply holder ....

Page 59 English Waste Recycling information for users: Following information is only for EU-member states: The crossed out wheeled bin symbol is used to indicate that the product must not be treated as general household waste. By ensuring that this product is disposed of correctly you will be helping to prevent potentially negative consequences for the environment

and human health, which could otherwise be caused by incorrect waste handling of this product.

This manual is also suitable for:

B-452-ts22-qq-rB-452-ts22-qp-r