TOSHIBA

Toshiba B-450-TS22-QP-R Owner's Manual

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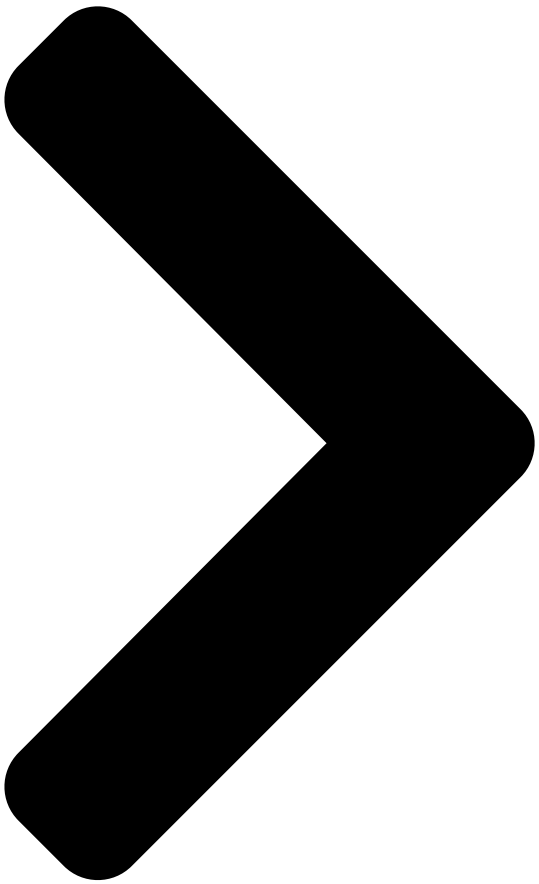

TOSHIBA Barcode Printer

B-450-TS22-QP-R

TOSHIBA

Manual

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Related Manuals for Toshiba B-450-TS22-QP-R

Barcode Reader Toshiba B-443 Owner's Manual

Toshiba tec bar code printer owner's manual b-443 (35 pages)

Barcode Reader Toshiba B-492L Owner's Manual

Toshiba tec barcode printer owner's manual (86 pages)

Barcode Reader Toshiba B-452-R Printer Driver Operating Manual

(105 pages)

Barcode Reader Toshiba B-SX8T SERIES Owner's Manual

Toshiba barcode printer owner's manual (139 pages)

Barcode Reader Toshiba B-SA4TM Series Owner's Manual

(132 pages)

Barcode Reader Toshiba B-EV4T SERIES Owner's Manual

Toshiba barcode printer owner's manual (48 pages)

Barcode Reader Toshiba B-SX600 Series Command Manual

(39 pages)

Barcode Reader Toshiba B-EX4 Maintenance Manual

B-ex4 series (207 pages)

Barcode Reader Toshiba B-EX4T2 SERIES Owner's Manual

B-ex4t2 series (136 pages)

Barcode Reader Toshiba Bar Code Printer Network Tool Operation Manual

(69 pages)

Barcode Reader Toshiba SX4T - TEC B B/W Direct Thermal Owner's Manual

B-sx4t series (119 pages)

Barcode Reader Toshiba B-FV4D SERIES Owner's Manual

(48 pages)

Barcode Reader Toshiba B-FV4D Series Quick Installation Manual

(7 pages)

Barcode Reader Toshiba B-FV4D-GL Series Owner's Manual

(38 pages)

Barcode Reader Toshiba BA410T Series Owner's Manual

(45 pages)

Barcode Reader Toshiba B-EX6 Series Maintenance Manual

(279 pages)

Summary of Contents for Toshiba B-450-TS22-QP-R

Page 1 TOSHIBA Barcode Printer B-450-TS22-QP-R Owner’s Manual...

Page 2 Centronics is a registered trademark of Centronics Data Computer Corp. Microsoft is a registered trademark of Microsoft Corporation. Windows is a trademark of Microsoft Corporation. Changes or modifications not expressly approved by manufacturer for compliance could void the user’s authority to operate the equipment. ...

Page 3 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, and then contact your authorised Toshiba Tec representative for assistance. Meanings of Each Symbol This symbol indicates warning items (including cautions).

Page 4 • Utilise 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. 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

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. 3. Please refer to your local Authorized Service representative with regard to any queries you may have in this manual.

Page 6: 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 7: Specifications

2. SPECIFICATIONS 2.1GENERALSPECIFICATIONS 2. SPECIFICATIONS 2.1 GENERAL SPECIFICATIONS Model B-452-TS22-QP-R Item Supply voltage 220 - 240V, 50Hz Power consumption 0.41 A, 74 W maximum (standby: 0.15 A, 23.5 W maximum) Operating temperature 5°C to 40°C Relative humidity 25% ~ 85%RH (no condensation) Dimensions 270 mm (width) x 245 mm (height) x 200 mm (depth), with Supply holder unit 410 mm (depth)

Page 8: Paper (Label, Tag) Specifications

(300 m) 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 9: Appearance

3. APPEARANCE 3.1 FRONT/REAR VIEW 3. APPEARANCE 3.1 FRONT AND 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 Paper Outlet LAN I/F Supply Holder AC Power Inlet Power Switch O: OFF I: ON...

Page 10: Installation Procedure

4. INSTALLATION PROCEDURE 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 11: Loading The Ribbon

5. LOADING THE RIBBON 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 12 5. LOADING THE RIBBON 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 13: Loading The Paper

6. LOADING THE PAPER 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 14 6. LOADING THE PAPER 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. Paper wound outside.

Page 15 6. LOADING THE PAPER 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. Platen Paper Paper Guide Supply Holder Fig. 6-7 8. Close the top cover. Paper loading is now completed. Top Cover Batch type: Fig.

Page 16 6. LOADING THE PAPER 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 17: 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 18: Connecting The Printer To Your Computer

8. CONNECTING THE PRINTER TO YOUR COMPUTER 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 19: Turning The Power On

9. TURNING THE POWER ON 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 20: On Line Mode

10. ON LINE MODE 10.1 ON LINE OPERATION 10. 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. 10.1 ONLINE OPERATION ...

Page 21 10. ON LINE MODE 10.1 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...

Page 22: Diagnostic Test Operation And Test Print

10. ON LINE MODE 10.2 DIAGNOSTIC TEST OPERATION AND TEST PRINT 10.2 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.

Page 23 10. ON LINE MODE 10.2 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...

Page 24: Lan And Basic Setting

10. ON LINE MODE 10.3 LAN AND BASIC SETTING 10.3 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. The printer enters the expansion operation

POWER LED ON LINE LED...

Page 25: 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: Purchase the print head cleaner from the authorized Toshiba Tec service representative. Print Head Cleaner (24089500013) Print Head (Thermal Element) Fig.

Page 26: Covers

11. GENERAL MAINTENANCE 11.2 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 27: Removing Jammed Paper

11. GENERAL MAINTENANCE 11.3 REMOVING JAMMED PAPER 11.3 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. Remove the ribbon and paper. 5.

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11. GENERAL MAINTENANCE 11.3 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 29: 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.

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12. TROUBLESHOOTING 12. TROUBLESHOOTING Problem Solution No print. 1. Check that the paper and ribbon are loaded correctly. 2. Check that print head is set correctly. 3. Check the cabling between the printer and the host. Dots missing in the Dirty print head.

Page 31: Appendix 1 Led Indication

APPENDIX 1 LED INDICATION 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 Command Yes/No...

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APPENDIX 1 LED INDICATION 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 33: Appendix 2 Interface

APPENDIX 2 INTERFACE 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.

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APPENDIX 2 INTERFACE 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...

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APPENDIX 2 INTERFACE 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...

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APPENDIX 2 INTERFACE APPENDIX 2 INTERFACE □ Serial interface (Option: B-7704-RS-QM-R) Type: RS-232C Communication mode: Full duplex Transmission speed: 2400 bps,

4800 bps, 9600 bps, 19200 bps, 38400 bps, 115200 bps Synchronization: Start-stop synchronization Start bit: 1 bit Stop bit 1 bit, 2 bit Parity: None, EVEN, ODD...

Page 37 APPENDIX 2 INTERFACE 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...

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