





## Toshiba MP-4003 Service Manual

Large capacity feeder



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# SERVICE MANUAL

LARGE CAPACITY FEEDER

# MP-4003

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# Summary of Contents for Toshiba MP-4003

[Page 1](#) SERVICE MANUAL LARGE CAPACITY FEEDER MP-4003 File No.31100203 2002-06...

[Page 2](#) Copyright 2002 TOSHIBA TEC CORPORATION...

[Page 3](#) GENERAL PRECAUTIONS FOR INSTALLATION/SERVICE/ MAINTENANCE FOR LARGE CAPACITY FEEDER MP-4003 1. When installing the Large Capacity Feeder MP-4003 to the Copier, be sure to follow the instructions described in the "Unpacking/Set-Up Procedure for the MP-4003" booklet which comes with each unit of the MP-4003.

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Tray wire ..... 4-8 Sidewise Deviation Adjustment .....4-11 Stopper Adjustment ..... 4-11 5. ELECTRICAL CIRCUIT ..... Harness Diagram .....5-1 Circuit Diagram .....5-2 PC Board .....5-5 6. PERIODIC MAINTENANCE .....JUNE 2002 © TOSHIBA TEC MP-4003 CONTENTS...

## [Page 5: Specifications](#)

Dimensions ..... 326 (W) X 599 (D) X 617 (H) mm (when connected to the copier) Weight .....Approx. 40kg (89lbs) Power supply ....DC5V, 24V (supplied from the copier) JUNE 2002 © TOSHIBA TEC 1 - 1 MP-4003 SPECIFICATIONS...

## [Page 6: Outline Of The Machine](#)

LCF set sensor (S7) Feed clutch (CL2) Door switch (SW1) Empty sensor (S1) Pickup roller Tray-up sensor (S2) Feed roller Feed sensor (S3) Separation roller FG-pulse sensor (S4) Transport roller JUNE 2002 © TOSHIBA TEC 2 - 1 MP-4003 OUTLINE OF THE MACHINE...

## [Page 7: Electrical Parts Layout](#)

2. 2 Electrical Parts Layout JUNE 2002 © TOSHIBA TEC 2 - 2 MP-4003 OUTLINE OF THE MACHINE...

## [Page 8: Electrical Parts](#)

DOOR-SW Safety switch Pushing switch Door switch (4) PC Board SYMBOL NAME FUNCTION REMARKS PWA-F-LCF-555 Driving of the feeding PC board Control of the tray driving JUNE 2002 © TOSHIBA TEC 2 - 3 MP-4003 OUTLINE OF THE MACHINE...

## [Page 9: General Operation](#)

(7) When the printing has been finished, the feed motor of the copier stops rotating and the transport motor (M1) is turned OFF to finish the feeding/transporting operation. JUNE 2002 © TOSHIBA TEC 3 - 1 MP-4003 GENERAL OPERATION...

## [Page 10: Error Detection](#)

[B] Call for service (1) When the tray-up sensor (S2) is not turned ON in a specified time after the tray has started to be lifted. JUNE 2002 © TOSHIBA TEC 3 - 2 MP-4003 GENERAL OPERATION...

## [Page 11: Flow Chart](#)

LCF feed sensor ON Is the copier intermediate Paper jam transport sensor ON? (E25) LCF feed sensor OFF LCF transport clutch OFF Is the copier registration Paper jam sensor ON? (E25) JUNE 2002 © TOSHIBA TEC 3 - 3 MP-4003 GENERAL OPERATION...

[Page 12](#) Is the copier fuser unit Paper jam exit sensor ON? (E01) Is the copier fuser unit Paper jam exit sensor OFF? (E02) LCF transport motor OFF Copier feed motor OFF Standby JUNE 2002 © TOSHIBA TEC 3 - 4 MP-4003 GENERAL OPERATION...

## [Page 13: Timing Chart](#)

3. 4 Timing Chart (1) Timing at the LCF feeding: A4, 1 copy JUNE 2002 © TOSHIBA TEC 3 - 5

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MP-4003 GENERAL OPERATION...

### [Page 19: Disassembly And Replacement/Adjustment](#)

Rear cover [C] Upper cover (1) Pull out the drawer. (2) Remove the rear cover. (3) Loosen 4 screws and take off the upper cover. Upper cover JUNE 2002 © TOSHIBA TEC 4 - 1 MP-4003  
DISASSEMBLY AND REPLACEMENT...

[Page 20](#) (3) Remove 4 screws (2 for the left side and 2 for the right side) and take off the tray unit pulling it upward. Left side Right side JUNE 2002 © TOSHIBA TEC 4 - 2 MP-4003  
DISASSEMBLY AND REPLACEMENT...