TOSHIBA

Toshiba TLP-C001 Service Manual

19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
Table Of Contents		
34		

Table of Contents





Download this manual	Quick Links	



All manuals and user guides at all-guides.com

FILE NO. 330-200515GR

SERVICETIAS HALBA DOCUMENT CAMERA TIDO COO 1

TLP-C001

The above models are classified as green product (s) (*1), as indicated by the underlined serial number (s). This Service Manual describes replacement parts for green product (s). When repairing any green product (s), use

the parts described in this manual and lead-free solder (*2). For (*1) and (*2), see the next page. © TOSHIBA CORPORATION Published in Japan, December 2005 GREN
Table of Contents
Next Page

Troubleshooting

SERVICING DIAGRAMS 16 1-2.Trouble Shooting 17

Related Manuals for Toshiba TLP-C001

Document Camera Toshiba TLPC001 Owner's Manual

Document camera for toshiba data projector (55 pages)

Document Camera Toshiba TLP-C001U Owner's Manual

Document camera for toshiba data projector (55 pages)

Document Camera Toshiba TLP-C001 - Document Camera Service

Manual

Service manual (34 pages)

Document Camera Toshiba TLP-C001 Dimensions

Toshiba tlp-c001 document camera: specifications (1 page)

Document Camera Toshiba TLP-C001U Specification Sheet

User guide 2 (2 pages)

Summary of Contents for Toshiba TLP-C001

<u>Page 1</u> This Service Manual describes replacement parts for green product (s). When repairing any green product (s), use the parts described in this manual and lead-free solder (*2). For (*1) and (*2), see the next page. © TOSHIBA CORPORATION Published in Japan, December 2005 GREEN...

<u>Page 2</u> In line with this, Toshiba proactively promotes Green Procurement, and seeks to purchase and use products, parts and materials that have low environmental impacts. Green procurement of parts is not only confined to manufacture.

Page 3: Part Replacement

All manuals and user guides at all-guides.com SECTION 1 PART REPLACEMENT 1.LOCATION OF MAIN PARTS TOP COVER B001: SPRING+BEARING A001: TOP COVER ASSY E001: ARM ASSEMBLY U002: KEYPAD PCB A003: CAMERA HEAD COVER KIT U003: IR RECEIVER CAMERA E002: CAMERA HEAD ASSY BOTTOM COVER U001: MAIN PCB A002: BOTTOM COVER...

Page 4: Assembly Instruction

All manuals and user guides at all-guides.com 2.ASSEMBLY INSTRUCTION TLPC001 UNIT CAMERA BASE ASSEMBLY ASSEMBLY E002 CAMERA HEAD ASSY BOTTOM TOP COVER COVER ASSEMBLY ASSEMBLY ASSEMBLY B001 A001 U001 SPRING+BEARING TOP COVER ASSY MAIN PCB E001 U002 A002 ARM ASSEMBLY KEYPAD PCB BOTTOM COVER A003...

Page 5: Replacement Of Mechanical Parts

All manuals and user guides at all-guides.com Cautions Before Servicing Electronic parts are susceptible to static electricity and may easily be damaged, so do not forget to take proper grounding treatment as required. Many screws are used inside the unit. To prevent missing, dropping, etc. of the screws, always use a magnetized screwdriver in servicing.

<u>Page 6</u> All manuals and user guides at all-guides.com Remove the S-2 (force:2.8~3lb) that connected with "CAMERA HEAD ASSY"[23587758] Note: Go to 3-3 Arm Assembly for the further assembly instruction.

Page 7: Base Assembly

All manuals and user guides at all-guides.com 3-2 Base Assembly Step Figure Explanation Remove four "FOOT, RUBBER"[23587753] Remove five S-3 (force:2.8~3lb). 1.Tear off the sticker "LABEL, SPEC"[23587754] 2.Remove two S-4 (force:4.8~5lb). Remove the fixture metal.

<u>Page 8</u> All manuals and user guides at all-guides.com Open the top cover from the base. Remove the cable which is connected with top cover and the base. Note: Go to 3-4 Top Cover Assembly for the further assembly instruction. Tear off the sticker on the cable and disconnect it.

<u>Page 9</u> All manuals and user guides at all-guides.com Remove two S-5 (force:4.8-5lb) Note: Go to 3-3 Arm Assembly and 3-5 Bottom Cover Assembly for the further assembly instruction.

Page 10: Arm Assembly

All manuals and user guides at all-guides.com 3-3 Arm Assembly Step Figure Explanation 1.Remove three S-1 (force: $1.8\sim2$ lb) 2.Remove one S-9 (force: $4.8\sim5$ lb) Remove one S-1 (force: $1.8\sim2$ lb) Remove two S-6 (force: $2.8\sim3$ lb) Note: The black rotation pad should be assembled with the right position. Take off the camera head - "CAMERA HEAD COVER KIT"[23587753] and remove the...

<u>Page 11</u> All manuals and user guides at all-guides.com 1.Remove two S-2 (force:2.8~3lb) 2.Take off the joint cover-"CAMERA HEAD COVER KIT"[23587753]...

Page 12: Top Cover Assembly

All manuals and user guides at all-guides.com 3-4 Top Cover Assembly Step Figure Explanation 1.Remove four S-2 (force:2.8~3lb) 2.Take off two metal plates Remove the cable which is connected with "IR RECEIVER"[23587761] and "KEY PAD PCB"[23587760] Note: Please put the cable into the track of case when connect it back 1.Remove four S-1 (force:0.8~1lb) 2.Take off "KEY PAD PCB"[23587760]...

Page 13: Bottom Cover Assembly

All manuals and user guides at all-guides.com 3-5 Bottom Cover Assembly Step Figure Explanation Remove four S-8 (force:2.8~3lb) 1.Remove three S-2 (force:2.8~3lb) 2.Take off "MAIN PCB"[23587759] 1.Remove one S-2 (force:2.8~3lb) 2.Take off the bottom plate Remove two metal plates...

Page 14 All manuals and user guides at all-guides.com 3-6 Screws Type FORM SIZE Location T2x7 Camera Assembly(4) Arm Assembly(4) Top Cover Assembly(4) T2.6x8 Camera Assembly(1) Base Assembly(1) Arm Assembly(2) Top Cover Assembly(4) Bottom Cover Assembly(4) T2.6x14 Base Assembly(5) T2.6x15 Base Assembly(2) M3x12 Base Assembly(2)

<u>Page 15</u> All manuals and user guides at all-guides.com T2.6x8 Arm Assembly(2) M2x4 Top Cover Assembly(2) M4.75x7 Bottom Cover Assembly(4) M3x7 Arm Assembly(1)

Page 16: Servicing Diagrams

SECTION 2 SERVICING DIAGRAMS 1.TROUBLE SHOOTING 1-1.Debuging Function BUTTON FUNCTION DESCRIPTION EDID checking To recognize Toshiba projector, if the display is "ZOOM -"+ " " (ON/OFF) not admitted by TSB, the image will disappear after 10 seconds. Test Pattern Run the Camera DSP test pattern "ZOOM -"...

Page 17: 1-2. Trouble Shooting

All manuals and user guides at all-guides.com 1-2. Trouble Shooting CAUSE CHECK POINT CHECK ITEM JUDGE Power is not on 1. Power supply is A. Power supply (NG) connected well. =>Power supply is NG 2. No light on (OK) "ON/Standby" LED =>Check next step B.

Page 18 All manuals and user guides at all-guides.com Message 1.The display is Check the FW =>Update the FW display is wrong magnified to 190% version (See 1-1) (See 3) when turn on 2.The "190%" appear position is wrong LED on the LED SW LED lamp =>CAMERA HEAD ASSY...

Page 19: Connector Pin Assignment

All manuals and user guides at all-guides.com 2.CONNECTOR PIN ASSIGNMENT 2-1.U001 (MAIN PCB-J5)<->E002 (CAMERA PCB-CJ1): It is included in E002: ARM ASSEMBLY U001 DEFINITION E002 DEFINITION SIGNAL FORMAT LIGHT LIGHT (ON) +3.3V (OFF) 0V SSCL SCLK 0 V to +3.3V (Pulse) SSDA SDATA 0 V to +3.3V (Pulse)

Page 20 All manuals and user guides at all-guides.com 3.U002 (KEY PAD PCB-KJ1)<->U003 (IR RECEIVER-RJ1) U001 DEFINITION U002 DEFINITION SIGNAL FORMAT POWER +3.3V 0 V to +3.3V (Pulse) 0 V to +3.3V (Pulse)

Page 21 All manuals and user guides at all-guides.com 3.BLOCK DIADRAM U003: IR RECEIVER E002: CAMERA HEAD ASSY CABLE3: 5PIN(2-3) U002: KEYPAD PCB CABLE1(E001): ARM ASSEMBLY(2-1) CABLE2: 9PIN(2-2) U001: MAIN PCB FLICKER SW: RGB OUT: 50Hz/60Hz TO PROJECTOR RGB IN: POWER JACK: TO COMPUTER +15V IN...

Page 22: Circuit Diagram

All manuals and user guides at all-guides.com 4.CIRCUIT DIAGRAM 4-1.U001:MAIN PCB 4-2.E002: CAMERA HEAD ASSY...

Page 23 All manuals and user guides at all-guides.com 4-3. POD1 ISP module...

Page 24: Part List

All manuals and user guides at all-guides.com SECTION 3 PART LIST NOTICE The part number must be used when ordering parts in order to assist in processing, be sure to include the model number and description. Parts marked # are of chip type and mounted on original PC boards. How ever, when they are placed for servicing works, use discrete parts listed on the parts list.

Page 25 All manuals and user guides at all-guides.com 1-2 Soft Case Assembly Y004: REMOTE CONTROL Y013: RGB CABLE Y008-Y0012: POWER Y007: AC ADAPTER CARD Y003: USERS MANUAL-CD Y002: USERS MANUAL- HARD COPY Y001: SOFT CASE TLPC001 UNIT Y014: LED HOOD...

Page 26: Spare Parts List

All manuals and user guides at all-guides.com 2.SPARE PARTS LIST 2-1.Accessories LOCATION DESCRIPTION PARTS NO FIGURE Y001 SOFT CASE 23587762 Y002 USERS MANUAL-HARD COPY 23587763 Y003 USERS MANUAL-CD 23587764 Y004 REMOTE CONTROL 23587765 Y005 CARTON BOX 23587766...

Page 27 All manuals and user guides at all-guides.com Y006 INSERT 23587767 Y007 AC ADAPTER 23587768 Y008 POWER CORD-EU 23587769 Y009 POWER CORD-JP 23587770 Y010 POWER CORD-US 23587771 Y011 POWER CORD-CHINA 23587772...

Page 28: Rgb Cable

All manuals and user guides at all-guides.com Y012 POWER CORD-UK 23587773 Y013 RGB CABLE 23587774 Y014 LED HOOD 23587775...

Page 29: Bottom Cover

All manuals and user guides at all-guides.com 2-2.Main Unit Parts LOCATION DESCRIPTION PARTS NO FIGURE A001 TOP COVER ASSY 23587751 A002 BOTTOM COVER 23587752 A003 CAMERA HEAD COVER KIT 23587753...

<u>Page 30</u> All manuals and user guides at all-guides.com A004 LABEL,SPEC 23587754 A005 FOOT,RUBBER 23587755 B001 SPRING+BEARING 23587756 E001 ARM ASSEMBLY 23587757 E002 CAMERA HEAD ASSY 23587758...

Page 31 All manuals and user guides at all-guides.com U001 MAIN PCB 23587759 U002 KEY PAD PCB 23587760 U003 IR RECEIVER 23587761...

Page 32 All manuals and user guides at all-guides.com 2-3 Label A004-1: LABEL, SPEC A004-2: LABEL, SPEC...