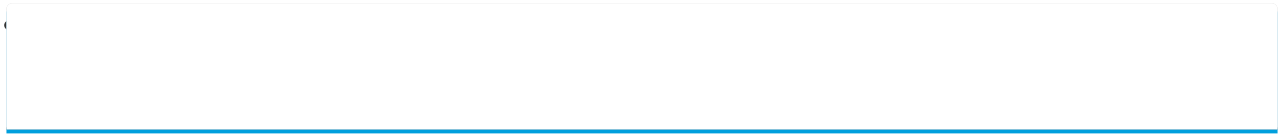


TOSHIBA

Toshiba SD-57HTKR Service Manual

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FILE NO. 810-200677GR

SERVICE MANUAL

TOSHIBA
DVD HOME CINEMA SYSTEM

SD-57HTKR

The above model is classified as a green product (*1), as indicated by the underlined serial number.

This Service Manual describes replacement parts for the green product. When repairing this green



product, use the part(s) described in this manual and lead-free solder (*2).
For (*1) and (*2), see the next page.
Nov., 2006 GREEN

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Related Manuals for Toshiba SD-57HTKR

[Home Theater System Toshiba SD-C67HTSU Owner's Manual](#)

Toshiba home theater system user manual (46 pages)

[Home Theater System Toshiba SD-43HT Owner's Manual](#)

Dvd home theater system (25 pages)

[Home Theater System Toshiba SD-43HT Service Manual](#)

Dvd home theater system (71 pages)

[Home Theater System Toshiba SD-63HK Owner's Manual](#)

Toshiba dvd home cinema kit owner's manual (40 pages)

[Home Theater System Toshiba SD-43HK Owner's Manual](#)

Toshiba home cinema system sd-43hk owner's manual (25 pages)

[Home Theater System Toshiba SD-43HK Owner's Manual](#)

(46 pages)

[Home Theater System Toshiba SD-44HKSE Owner's Manual](#)

Toshiba dvd home cinema system owner's manual sd-44hkse (34 pages)

[Home Theater System Toshiba SD-44HKSB Service Manual](#)

Dvd home cinema system (131 pages)

[Home Theater System Toshiba SD-V55HT Owner's Manual](#)

Dvd/vcr home theater system (50 pages)

[Home Theater System Toshiba SD-V55HTSU Service Manual](#)

Dvd/vcr home theater system (162 pages)

[Home Theater System Toshiba SD-V55HTSU Circuit Diagrams](#)

Dvd/vcr (76 pages)

[Home Theater System Toshiba SD-47HKSR Service Manual](#)

Dvd home cinema theater (18 pages)

[Home Theater System Toshiba SD-47HKSR Service Manual](#)

Dvd home cinema theater (18 pages)

[Home Theater System Toshiba SD-47HKSR Service Manual](#)

(18 pages)

[Home Theater System Toshiba SD-43HKSE Service Manual](#)

(74 pages)

[Home Theater System Toshiba SD-43SHT Service Manual](#)

(88 pages)

Summary of Contents for Toshiba SD-57HTKR

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The above model is classified as a green product (*1), as indicated by the underlined serial number. This Service Manual describes replacement parts for the green product. When repairing this green product, use the part(s) described in this manual and lead-free solder (*2).

Page 2: Green Product Procurement

Hazardous Substances. From July 1, 2006, the RoHS Directive will prohibit any marketing of new products containing the restricted substances. Increasing attention is given to issues related to the global environmental. Toshiba Corporation recognizes environmental protection as a key management tasks, and is doing its utmost to enhance and improve the quality and scope of its

environmental activities.

[Page 3: Section 1. General](#)

SECTION 1. GENERAL Safety Precautions WARN I NGS W A R NI NGS NOTE This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners .

[Page 4: Specification](#)

Specification Technical data Power supply 110-127V/220-240V mains voltage, 50Hz/60Hz Power consumption 130W ; In standby <1W Dimensions 430W x 50H x 350D mm Laser Semiconductor laser, wavelength 650 nm Video signal-noise ratio 55dB (DVD) Audio frequency range DVD (PCM) 125Hz ~ 20kHz (+/- 3dB); CD 125Hz ~ 20kHz (+/- 3dB) FM tuner System Quartz-controlled PLL synthesiser system...

[Page 5](#) DISASSEMBLY INSTRUCTIONS Dismantling of the Front Panel Assembly 1) Open the DVD Tray by using the Open/Close Button 2) Return the set to its upright position and remove the Tray while the Set is ON and disconnect the mains supply after Cover as shown in Figure 3 and close the tray manually removing the Tray Cover.

[Page 6](#) Dismantling of the Main PCB 1) Loosen 7 screw "A" at the back panel as shown in figure 4. 2) Loosen 4 screw " B " on the top of main board as shown in figure 5. Figure 4 Figure 5 -1-5-...

[Page 7](#) Dismantling of the DVD Module 1) Loosen 4 screws "C" to remove the DVD Module as shown in figure 6. Figure 6 Dismantling of the Power Board 1) Loosen 4 screws "D" at the top of the Power Board as shown in figure 7 Figure 7 -1-6-...

[Page 8](#) Dismantling of the DC Power cord 1) Loosen 2 screws "E" to remove the power cord as shown in figure 8. Figure 8 Dismantling of the Cable of switch voltage 1) Cut the rubber bushing use scissors, then use brand iron solder between AC socket and two cables as shown in figure 9 Figure 9 -1-7-...

[Page 9: Service Positions](#)

SERVICE POSITIONS Service position A Note: In some service positions the components or copper patterns of one board may risk touching its neighbouring pc boards or metallic parts. To prevent such short-circuit use a piece of hard paper or other insulating material between them. Service position B -1-8-...

[Page 10: Troubleshooting](#)

SECTION 2. ELECTRICAL Troubleshooting The left and right sounds are unbalanced or reversed If you experience any of the following difficulties while using the • Check that the speakers and components are connected system, use this troubleshooting guide to help you solve the problem correctly and securely.

[Page 11: Block Diagram](#)

Block Diagram SECAM VIDEO DECODER TVP5150 POWER BOARD [CVBS/ C/Y] 300W ~ 600W POWER CVBS S-VIDEO FILTER VIDEO OUT DVD LOADER [R/G/B] SCART SELECT VIDEO OUT TS5V330 [Y/Pr/Pb] V5888 HDMI CM2020 SiI9030 80 PIN TQFP HDMI [R/L/C/SR/SL] [PWM R/L/C/SR/SL] ES8381CD(256pin DSP) 74LVC273...

[Page 12: Wiring Diagrams](#)

Wiring Diagrams HDMI SCART S-VIDEO PST-1407 AC3/ DTS Deckde LFM202840-0001 TV ENCODE DVD Servo AFE Dtat Sheet Servo u-com ES8381 CN900 CN902 CN100 CN102 CN101 CN400 VFL601244-2800 VWA310039-0032 VWA010088-0003 CN952 CN951 CON901 DVD LOADER LCP105040-0001 POWER BOARD CN953 RB303 RB602 LUC203535-0301 DR30H8--LUC203531-0301 RB302...

[Page 13](#) Schematic Diagrams Main PCB 2.5V M_VDDC M_VTMS M_VTPLL M_VDDC M_VTX M_VTPLL M_VDD33 FB123 M_VPAD 60Ohm@100MHz/1A 60Ohm@100MHz/1A M_VDD33 M_VDDC M_VPAD M_VTX FB120 60Ohm@100MHz/1A C300 C303 C309 C304 C305 C314 C315 C319 C320 C318 M_VTX 0.1uF 60Ohm@100MHz/1A 0.1uF 0.1uF 0.1uF 0.1uF 0.1uF C327 C306

M_VTPLL...

[Page 14](#) Schematic Diagrams Control PCB JK601 RB602 ZD301 R301 R302 R305 DP301 FB201 5.6V FB202 C321 C322 EARPHONE V-IN C632 RB303 C635 C633 L201 CN206 39ohm/4A -27V R331 B+5V 6Pin 2.0mm R219 75 OHM R220 ZD302 R330 SN301 7Pin 2.0mm C307 C308 C311 USB JCK...

[Page 15](#) Power Supply Diagrams IS 1/4W R04-1-F IS 1/4W 1 OHMRES FUSE SCREW-A SCREW-A JMP-060=6MM C955 L952 C104P-100V 470P-1KV CN903 IS 1/6W R06-10KM IS 1/6W 10KOHM 1% SCREW-A SCREW-A CN951 MUR1620CT/FEP16DT/UF1002CT C961 D951 +32V 103P-1KV JMP-060 JMPAB 1000U 50V JMP-050 R954 T901 JMP30 -27V...

[Page 16](#) Printed circuit board Main PCB Top View -2-7-...

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[Page 18](#) Printed Circuit Board Control PCB Top View -2-9-...

[Page 19](#) Control PCB Bottom View -2-10-...

[Page 20: Printed Circuit Board](#)

Printed circuit board Power PCB -2-11-...

[Page 22](#) 29a 29b 232140-0001...

[Page 23](#) PARTS LIST: SD-57HTKR Loc. No. TSB P/N Ref. P/N Description AH800558 BPD101095-0006 GP DVD DOOR ABS BLACK COLOR 130x6x20 AH800559 BPN100234-2009 GP MASK PANEL L425.3xW31xH1.0mm PC AH800505 BPK105085-0001 GP VOLUME KNOB D26x20 ABS AH800560 BPF106023-1008 GP FRONT PANEL L430xW48xH25mm HIPS...

[Page 24](#) Loc. No. TSB P/N Ref. P/N Description IC110 AH800602 RCI740138-0003 GP IC 16 PIN SN74LVC138APWR TSSOP TI IC111 AH800603 RCI740273-0002 GP IC 20 PIN SN74LVTH273PWR TSSOP TI IC300 AH800604 RCI003001-0002 GP IC 100P MST30H1 PQFP MSTAR HDMI 1.1 IC301 AH800605 RCI002020-0001 GP IC 38P CM2020-00TR TSSOP C.MD HDMI IC400...

[Page 25: Safety Precaution](#)

Loc. No. TSB P/N Ref. P/N Description TA308 AH800631 MRW106002-1020 GP TACT SW H5.0mm 2PIN 160GF 20MA 15V IC301 AH800632 RCI063111-1001 GP IC 52P V63111 QFP VAI TECH SAFETY PRECAUTION The parts identified by mark are critical for safety. Replace only with part number specified.

[Page 26](#) 1-1, SHIBAURA 1-CHOME, MINATO- KU, TOKYO 105-8001, JAPAN...