

TOSHIBA

Toshiba 43A62 Service Manual

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[TV Toshiba 43VJ33 Series Owner's Manual](#)

(20 pages)

[TV Toshiba WA3B63DG Operating Instructions Manual](#)

(35 pages)

[TV Toshiba 43 QG5E Series Operating Instructions Manual](#)

(42 pages)

Summary of Contents for Toshiba 43A62

[Page 5](#) FILE NO. 020-200111 SERVICE MANUAL COLOR TELEVISION N1NSP Chassis 50A61 , 50A11 (TAC0171) (TAC0172) 61A61 (TAC0173) PUBLISHED IN JAPAN, Jul., 2001 So...

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CONVERGENCE ADJUSTMENT 13 SCREEN AND MIRROR ALIGNMENTS

.....

[Page 7: Chapter 1 General Adjustments](#)

CHAPTER 1 GENERAL ADJUSTMENTS SAFETY INSTRUCTIONS WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW. X-RAY RADIATION PRECAUTION 1. Excessive high voltage can produce potentially hazardous 2. This receiver is equipped with a Fail Safe (FS) circuit which X-RAY RADIATION.

[Page 8: Crt Assembly Replacement And Mounting](#)

CRT ASSEMBLY REPLACEMENT AND MOUNTING CAUTION : DO NOT LOOSEN THE HEX HEAD BOLTS WITH SPRINGS (12 PCS), BECAUSE THOSE ARE FOR SEALING OF CRT COOLANT. Attention Serviceman The Hex Head Bolts with Springs. (see sketch) used on CRT assembly, 8 o'clock are "NOT" ...

[Page 9](#) TO REMOVE CRT (Same procedure for R, G, B) 1. Remove CRT DRIVE Board, S. V. M. COIL and DEF. YOKE from CRT. 2. Remove Lens Assembly. 3. Detach CRT Anode Cap from CRT. 4. Remove CRT Assembly from CRT Mounting. Anode Cap CRT REPLACEMENT (Same procedure for R, G, B) Reverse the removal procedures except the followings.

[Page 10: Picture Tube Components Adjustment](#)

WARNING : BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL. PICTURE TUBE COMPONENTS ADJUSTMENT DESCRIPTION OF NECK COMPONENTS TILT ADJUSTMENT Rotate R, G, B deflection yoke so that picture becomes horizon, then fasten screw.

[Page 11](#) LOCATION OF SCREEN AND FOCUS VR'S SCREEN VR FOCUS VR - 7 -...

[Page 12: Replacement Of The Crt](#)

REPLACEMENT OF THE CRT Service parts are provided for each R, G and B. The contents of the parts are as follows. 50A61 23008509 23008510 23008511 ↑ ↑ ↑ 50A11 61A61 23008625 23008626 23008627 REPLACEMENT OF HIGH VOLTAGE CABLE 1. When replacing Anode Lead or Anode Cap with new one, remove Lead Holder from old lead as shown in ANODE LEAD figure below, and put it on new lead.

[Page 13: Service Mode](#)

SERVICE MODE 1. ENTERING TO SERVICE MODE 1) Press MUTE button once 2) Press MUTE button 3) While pressing the MUTE button, on Remote Control. again to keep pressing. press MENU button on TV set. MUTE (Service mode display) 2. DISPLAYING THE ADJUSTMENT MENU 1) Press MENU button on TV.

[Page 14](#) 4. SELECTING THE ADJUSTING ITEMS 1) Every pressing of CHANNEL s button in the service mode changes the adjustment items in the order of table-2. (t button for reverse order) Refer to table-2 for preset data of adjustment mode. (See SETTING & ADJUSTING DATA on page 17) 5.

[Page 15: Electrical Adjustment](#)

ELECTRICAL ADJUSTMENT ITEM ADJUSTMENT PROCEDURE VERTICAL POSITION (VCEN) 1. Call up the adjustment mode display, then select item VCEN. 2. Press the VOLUME s or t button to get the voltage +30 ±10 mV. 3. Measuring method of voltage as follows. TP-V (on SIGNAL board) DIGITAL...

[Page 16](#) ITEM ADJUSTMENT PROCEDURE HEIGHT 1. Call up the adjustment mode display, then select the item HIT. (HIT) 2. Press the VOLUME s or t button to get the picture so the top of raster begins to lack. 3. Press the VOLUME s button to advance the data by 10 steps. Note : Check the vertical picture position is correct.

[Page 17: Convergence Adjustment](#)

CONVERGENCE ADJUSTMENT Adjust convergence from center to circumference in order. 1. Select the adjustment mode following the steps on page 9. RCUT KEY FUNCTION IN THE CONVERGENCE ADJUSTMENT: Up : 2 button Selet Green color: 3 button Left : 4 button 2.

Description Description Description C413 24214221 CERAMIC DISK CK45 B 500V 220PF K...

[Page 29](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description C725 24100104 CERAMIC CHIP CK73F 25V 10000PF Z...

[Page 30](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description C7755 24667101 ELECTROLYTIC CE04Q 25V 100UF M 3A...

[Page 31](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description CV65 24591122 PLASTIC FILM, 50V 1200PF J...

[Page 32](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description RESISTORS R338 24872183...

[Page 33](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description R432 24552101 OXIDE METAL FILM, 1/2W 100 OHM J...

[Page 34](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description R702 24872221 CHIP, METAL FILM, 1/16W 220 OHM J...

[Page 35](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description R962 24366471 CARBON F1LM, 1/6W 470 OHM J...

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Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description RA74 24872153 CHIP, METAL FILM, 1/16W 15K OHM J...

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Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description RV33 24366680 CARBON FILM, 1/6W 68 OHM J...

[Page 38](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description RZ15 24872821 CHIP, METAL FILM, 1/16W 820 OHM J...

[Page 39](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description LZ01 23238710 COIL, PEAKING, TRF4220AJ (50A61/61A61)

[Page 40](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description Q962 23114422 TRANSISTOR, 2SA562TM-Y(T...

[Page 41](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description

Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description D422 23118041 DIODE, MA111...

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Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description E986 23962417 AD 133RTV (61A61)

[Page 43](#) Location Location Location Location Location Location Location Location Location Location
Location Parts No. Parts No. Parts No. Parts No. Parts No. Description Description Description
Description Description Parts No. Parts No. Parts No. Parts No. Parts No. Description Description
Description Description Description U901 23786448 PC BOARD ASSY, SIG/CONV PD0175A...

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[Page 45](#) SIGNAL/CONV BOARD PD0175 BOTTOM (FOIL) SIDE - 43 - - 44 -...

[Page 46](#) DEF/POWER BOARD PD0176 BOTTOM (FOIL) SIDE - 45 - - 46 -...

[Page 47](#) A/V BOARD PD0177 BOTTOM (FOIL) SIDE CRT FRONT BOARD PD0178 BOTTOM (FOIL)
SIDE - 47 -...

[Page 48](#) DIGI-CONV BOARD PB9453 BOTTOM (FOIL) SIDE DIGI-COMB BOARD PB9398 BOTTOM
(FOIL) SIDE - 48 -...

[Page 49: Terminal View Of Transistors](#)

TERMINAL VIEW OF TRANSISTORS 2SD2253 2SC3852 2SC752GTM 2SC752 2SA1788 (old)
2SD1763A 2SA562TM 2SC2482 2SC5243 2SC1569 2SA1015 2SC2655 2SC4544 2SC4721P
2SC1815 2SA1788 2SC2878 2SA1306 2SC1740S 2SA1186A 2SC2120 2SA9335 2SD1554
ON4409 RN2203 RN2201 2SD2253 RN2004 2SD1556 RN1203 2SD2553 RN1204 2SC5143
RN2204 RN1205 RN1202 RN1201 -...

[Page 50](#) MEMO

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[Page 53: Specifications](#)

SPECIFICATIONS (Representative: 50A61) TELEVISION SYSTEM NTSC standard CHANNEL
COVERAGE VHF: 2 through 13 UHF: 14 through 69 Cable TV: Mid band (A-8 through A-1, A
through I) Super band (J through W) Hyper band (AA through ZZ, AAA, BBB) Ultra band (65
through 94, 100 through 125) POWER SOURCE 120 V AC, 60 Hz AUDIO POWER...

[Page 54](#) TOSHIBA CORPORATION 1-1, SHIBAURA 1- CHOME, MINATO-KU, TOKYO 105-8001,

JAPAN...