

TOSHIBA

Toshiba 32A32 Service Manual

1
Table Of Contents
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33

--

•

[Table of Contents](#)

•

Bookmarks

Quick Links

[1 Set-Up Adjustment](#)

[2 Service Mode](#)

[3 Electrical Adjustment](#)

[4 Specifications](#)

[5 Circuit Block Diagram](#)

[Download this manual](#)



FILE NO. 020-200201

SERVICE MANUAL
TOSHIBA

COLOR TELEVISION

N2ES Chassis

32A32 TOSHIBA

(TAC0245)

PUBLISHED IN JAPAN, Apr. 2002 So

[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

Related Manuals for Toshiba 32A32

[CRT TV Toshiba 32A32 Owner's Manual](#)

Colorstream color television (36 pages)

[TV Toshiba 32A32 Owner's Manual](#)

Colorstream color television (35 pages)

[Color television Toshiba 30HFX84 Service Manual](#)

(50 pages)

[Color television Toshiba MV13P2 Service Manual](#)

Color television/ video cassette recorder (65 pages)

Summary of Contents for Toshiba 32A32

[Page 1](#) FILE NO. 020-200201 SERVICE MANUAL COLOR TELEVISION N2ES Chassis 32A32 (TAC0245) PUBLISHED IN JAPAN, Apr. 2002 So...

[Page 2: Table Of Contents](#)

TABLE OF CONTENTS	CHAPTER 1 GENERAL ADJUSTMENTS	SAFETY INSTRUCTIONS
.....3	SET-UP ADJUSTMENT4
.....8	DESIGN MODE11
.....12	CIRCUIT CHECKS15
.....16	LOCATION OF CONTROLS
.....	CHAPTER 2 SPECIFIC INFORMATION
.....	SETTING & ADJUSTING DATA

[Page 3: 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 4: Set-Up Adjustment](#)

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL. SET-UP ADJUSTMENT (FOR 13", 14", 19", 20") The following adjustments should be made when a complete realignment is required or a new picture tube is installed. Perform the adjustments in order as follows : 1.

[Page 5](#) CONVERGENCE ADJUSTMENTS CIRCUMFERENCE CONVERGENCE ADJUSTMENT NOTE: Before attempting any convergence adjustments, the 1. Loosen the clamping screw of deflection yoke slightly to receiver should be operated for at least fifteen minutes. allow the yoke to tilt. 2. Temporarily put a wedge as shown in figure 1. (Do not remove cover paper on adhesive part of the wedge.) CENTER CONVERGENCE ADJUSTMENT 3.

[Page 6](#) WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL. (FOR 35", 36") The following adjustments should be made when a complete realignment is required or a new picture tube is installed. Perform the adjustments in order as follows : 1.

[Page 7](#) CONVERGENCE ADJUSTMENTS 4-POLE NOTE: Before attempting any convergence adjustments, MAGNETS the receiver should be operated for at least fifteen 6-POLE minutes. MAGNETS CENTER CONVERGENCE ADJUSTMENT 1. Display built-in cross-dot pattern using the TEST SIGNAL SELECTION function. 2. Adjust the BRIGHTNESS and CONTRAST Controls for well defined pattern.

[Page 8: 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 9](#) 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 16) 5.

[Page 10](#) 8. SELF DIAGNOSTIC FUNCTION 1) Press "9" button on Remote Control during display of adjustment menu in the service mode. The diagnosis will begin to check if interface among IC's are executed properly. 2) During diagnosis, the following displays are shown. SELF CHECK NO.

[Page 11: Design Mode](#)

DESIGN MODE 1. ENTERING TO DESIGN MODE 1) Select the Service mode. 2) While pressing RECALL button on 3) Press MENU button on TV. Remote and press MENU button on TV. ITEM Press DATA Press (Design mode) (Adjustment mode) When QA02 is initialized, items "OPT0" and "OPT1" of DESIGN MODE are set to the data of the representative model of this chassis family.

[Page 12: Electrical Adjustment](#)

ELECTRICAL ADJUSTMENT ITEM ADJUSTMENT PROCEDURE FOCUS VR ADJ 1. Enter the service mode, then select any register item. 2. Press the TV/VIDEO button on the Remote until the black cross-bar pattern appears on the screen. 3. Adjust the FOCUS control (on T461) for well defined scanning lines on the picture screen.

[Page 13](#) ITEM ADJUSTMENT PROCEDURE E-W PARABOLA 1. Call up the adjustment mode display, then select the item DPC. (DPC) 2. Press the TV/VIDEO button on Remote until the cross-hatch pattern appears on the screen. 3. Press the VOLUME s or t button to make vertical lines straight as shown below.

[Page 14](#) MTS ADJUSTMENT (FOR N2N, N2F, N2ES CHASSIS) ITEM INPUT SIGNAL ADJUSTMENT PROCEDURE • 1kHz 30% mod. → ANT ATTENUATOR 1. Connect rms meter to pin 34 of QG01. (ATT) terminal 2. Display item ATT on screen. 3. Change data by VOLUME s/t buttons so that the reading of meter becomes value as close as 137mVrms.

[Page 15: Circuit Checks](#)

CIRCUIT CHECKS HIGH VOLTAGE CHECK Troubleshooting Guide for Fail Safe Circuit CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps Check that the set returns to normal operation when pin 12 below. of Z801(or emitter of Q472) is grounded with jumper wire.

[Page 16: Chapter 2 Specific Informations](#)

CHAPTER 2 SPECIFIC INFORMATIONS SETTING & ADJUSTING DATA SAFETY INSTRUCTIONS 32" HIGH VOLTAGE AT ZERO BEAM: 31.2kV MAX HIGH VOLTAGE: 32.6kV Table-1 SERVICE MODE ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE: Item Name of adjustment Preset Item Name of adjustment Preset Data Data...

[Page 17: Location Of Controls](#)

LOCATION OF CONTROLS Front Control Back Term. TV/VIDEO VOLUME T/S CHANNEL s/t COLOR VIDEO VIDEO VIDEO STREAM INPUT (POWER IND) MENU TV/VIDEO VOLUME CHANNEL (RED) POWER MONO MONO S-VIDEO AUDIO AUDIO AUDIO POWER VIDEO-1 VIDEO-2 Remote sensor MENU POWER indicator Remote Control MUTE POWER...

[Page 18: Programming Channel Memory](#)

PROGRAMMING CHANNEL MEMORY The channel memory is the list of TV channel numbers your TV will stop on when you press the CHANNEL s or t button. First, use the TV/CABLE and CH PROGRAM functions to preset all active channels in your area. If necessary, arrange the preset channels with the ADD/ERASE functions so that you can tune into only desired channels.

hyper band (AA through ZZ, AAA, BBB) ultra band (65 through 94, 100 through 125) POWER SOURCE 120V AC, 60Hz, 94W AUDIO POWER...

[Page 33](#) TOSHIBA CORPORATION 1-1, SHIBAURA 1- CHOME, MINATO-KU, TOKYO 105-8001, JAPAN...