

TOSHIBA

Toshiba 20VL43P Service Manual

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FILE NO. 010-200306

SERVICE MANUAL

TOSHIBA
LCD TELEVISION

20VL43P,

14VL43P TOSHIBA

May, 2003

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Related Manuals for Toshiba 20VL43P

[LCD TV Toshiba 14VL43U Owner's Manual](#)

Toshiba lcd tv owner's manual 14vl43u, 20vl43u (32 pages)

[LCD TV Toshiba 20VL14 Service Manual](#)

Lcd television (42 pages)

[LCD TV Toshiba 15VL56B Owner's Manual](#)

Lcd colour tv (36 pages)

[LCD TV Toshiba 15VL56B Service Manual](#)

Lcd color television toshiba 15vl56b; 20vl56b; 20vl56g (77 pages)

[LCD TV Toshiba Stasis 20VL43 Owner's Manual](#)

Toshiba owner's manual tv 20vl43 (16 pages)

[LCD TV Toshiba 20VL44G Service Manual](#)

Tft- lcd tv (33 pages)

[LCD TV TOSHIBA 20VL63 User Manual](#)

Toshiba tv (25 pages)

[LCD TV TOSHIBA 14VL44 Series Owner's Manual](#)

Toshiba (27 pages)

[LCD TV Toshiba 14VL43C Owner's Manual](#)

(28 pages)

[LCD TV Toshiba 20DL76 Service Manual](#)

(38 pages)

[LCD TV Toshiba 20VL66E Owner's Manual](#)

(32 pages)

[LCD TV Toshiba 20DL75 Owner's Manual](#)

Lcd color television (36 pages)

[LCD TV Toshiba 14DL74 Service Manual](#)

Service manual (42 pages)

[LCD TV Toshiba TheaterWide 20HLK86 Owner's Manual](#)

Lcd color television (42 pages)

[LCD TV Toshiba 15DL15 Owner's Manual](#)

Toshiba lcd color television owner's manual 15dl15, 20dl15 (36 pages)

[LCD TV Toshiba 15CL7A Owner's Manual](#)

Lcd colour tv (40 pages)

Summary of Contents for Toshiba 20VL43P

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[Page 3: Service Safety Precautions](#)

SERVICE SAFETY PRECAUTIONS • The caution items shown here describe major safety issues and should always be observed. • The meanings of the various indications are as follows. Indicates a hypothetical situation in which service personnel and nearby third parties, or even WARNING end users due to a product defect after the service operation is completed, could possibly be in danger of injury or even death in the event of operational error.

[Page 4](#) WARNING • Always advise users to keep children away. There is danger of injury to children from tools, disassembled products, etc. KEEP CHILDREN AWAY • Always disconnect the power plug before starting work whenever power is not required. Failure to disconnect the power plug before starting work can result in electrical shock. UNPULUG •...

[Page 5: Handling The Lcd Module](#)

HANDLING THE LCD MODULE Safety Precautions 3. If the panel surface becomes soiled, wipe with cotton or a In the event that the screen is damaged or the liquid crystal soft cloth. If this does not remove the soiling, breathe on (fluid) leaks, do not breathe in or drink this fluid.

[Page 6](#) 7. Do not expose the LCD module to direct sunlight or strong ultraviolet rays for an extended period of time. 8. Do not store the LCD module below the temperature con- ditions described in the specifications. Failure to do so could result in freezing of the liquid crystal due to cold air or loss of resilience or other damage.

[Page 7: Location Of Controls](#)

LOCATION OF CONTROLS (Representative: 20VL43P) TV front VOLUME - + CHANNEL 9 8 a (TV/VIDEO) - 7 (POWER) HEADPHONES AUDIO Jack SCART INPUT EXT2 EXT2 POWER indicator Remote Sensor ON-Timer indicator TV rear To remove the cover, pull the button of the cover toward you.

[Page 8](#) Remote Control Learning about the Remote Control Picture Mode CALL displays screen information. (TV) (POWER) CALL/ displays teletext initial/index. (TTX) (TV/ TEXT/TV VIDEO) selects teletext/TV mode. Position (POWER) turns the TV on and off. Number POSITION NUMBERS allows direct access to channel positions.

[Page 9: Layout Of Major Boards](#)

LAYOUT OF MAJOR BOARDS Inverter Board Key/Control Board Main Board Inverter Board Light-Receiving Board - 9 -...

[Page 10: Mechanical Disassembly](#)

- 10 -...

[Page 11](#) - 11 -...

[Page 12](#) - 12 -...

[Page 13: Packing Disassembly](#)

PACKING DISASSEMBLY (20VL43P) Y101 K902 A702A A227 A702B A701 - 13 -...

[Page 14](#) PACKING DISASSEMBLY (14VL43P) A227 A701 - 14 -...

[Page 15: Wiring Connection Diagram](#)

WIRING CONNECTION DIAGRAM Key/Control Board LCD Monitor Main Unit Side Black Inverter Board White Inverter Board White Black Light-Receiving Board Main Board Flexible Cable Wire Cable Tube Base Unit Main Unit Side Right Speaker Left Speaker (Wiring connection diagram viewed from the rear side) -...

[Page 16: Chassis And Cabinet Replacement Parts List](#)

The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description. • The PC board assembly with mark is no longer

available after the end of the production. Model : 20VL43P/14VL43P Capacitors CD Ceramic
Disk : Plastic Film : Electrolytic Resistors

[Page 17](#) Location Location Parts No. Description Parts No. Description CA11 24619040 ELEC.
CHIP, 16V 10UF M 3A CV01 24619040 ELEC. CHIP, 16V 10UF M 3A CA12 24100103 CERAMIC
CHIP, 50V F 0.01UF Z CV02 24092441 CERAMIC CHIP, 16V F 1UF Z CA13 24105101 CERAMIC
CHIP, 50V CH 100PF J...

[Page 18](#) RL19 24000445 CHIP JUMPER, 1608TYPE RA44 24011101 CHIP, METAL FILM, 1/20W
100 OHM J RL20 24000445 CHIP JUMPER, 1608TYPE (20VL43P) RA45 24011101 CHIP, METAL
FILM, 1/20W 100 OHM J RL23 24011153 CHIP, METAL FILM, 1/20W 15K OHM J RA46 24011101...

[Page 19](#) Location Location Parts No. Description Parts No. Description RS08 24011104 CHIP,
METAL FILM, 1/20W 100K OHM J RV24 24011101 CHIP, METAL FILM, 1/20W 100 OHM J RS09
24011101 CHIP, METAL FILM, 1/20W 100 OHM J RV25 24011101 CHIP, METAL FILM, 1/20W 100
OHM J RS10 24011104 CHIP, METAL FILM, 1/20W 100K OHM J...

[Page 20](#) Location Location Parts No. Description Parts No. Description LV23 23103887
INDUCTOR, CHIP BEAD, TEM2130AM QS20 23314204 TRANSISTOR, 2SC2412K,Q LV24 23245858
COIL, CHIP INDUCTOR, TRF4100CC QS21 23314204 TRANSISTOR, 2SC2412K,Q LV25 23245858
COIL, CHIP INDUCTOR, TRF4100CC QS22 23205045 TRANSISTOR, 2SA1037AKQ LV32 23103828
INDUCTOR, BEAD, TEM2121M QT01 23000994...

[Page 21](#) 23306498 REMOCON HAND UNIT IR, CTVUSA, GRL06 23103887 INDUCTOR, CHIP
BEAD, TEM2130AM CT-90160 GRV01 24000445 CHIP JUMPER, 1608TYPE Y101 23565967
OWNER'S MANUAL, LCD-TV EURO, 20VL43P KB01 70113206 REMOCON RECEIVER,
PIC-37143TC5 Y120 23945015 BAG, POLYETHYLENE COVER 250X400 MA02 23389171 CABLE,
FFC P1.0-5-380...

[Page 22](#) THIS PAGE IS INTENTIONALLY LEFT BLANK. - 22 -...

[Page 23: Pc Boards Bottom View](#)

MAIN BOARD PD1268-1 CONT-SW BOARD PD1268-2 BOTTOM (FOIL) SIDE BOTTOM (FOIL) SIDE
CONT-LED BOARD PD1268-3 BOTTOM (FOIL) SIDE CONT-SW BOARD PD1268-4 BOTTOM (FOIL)
SIDE - 23 - - 24 -...

[Page 24: Schematic Diagram](#)

SCHEMATIC DIAGRAM MODEL : 20VL43P / 14VL43P WARNING: BEFORE SERVICING THIS
CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT
SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL. CAUTION: The international hazard symbols
"*" in the schematic diagram and the parts list designate components which have special
characteristics important for safety and should be replaced only with types identical to those in
the original circuit or specified in the parts list.

[Page 25: Specifications](#)

Height 523mm Depth 198mm Mass 14VL43P: 9.1lbs. (4.15kg) 20VL43P: 13.9lbs. (6.3kg)
Accessories Remote control with two batteries. (R03 size "AAA") Power cord, AC Adaptor (This
AC adaptor can be only used for this LCD TV. Do not use for other apparatus.) Please refer to
owner's manual in detail.

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

[Page 27](#) SCHEMATIC DIAGRAM MODEL : 20VL43P / 14VL43P WARNING: BEFORE SERVICING
THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND
"PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL. CAUTION: The international
hazard symbols "*" in the schematic diagram and the parts list designate components which
have special characteristics important for safety and should be replaced only with types
identical to those in the original circuit or specified in the parts list.

[Page 28](#) MAIN PD1268 20VL43P 14VL43P MAIN...

[Page 32](#) MAIN PD1268...

[Page 36](#) 20VL43P 14VL43P MAIN...

[Page 37](#) CONTROL PD1268 20VL43P LED PD1268 CONTROL PD1268 14VL43P 20VL43P 14VL43P ALL CONTROL...

[Page 38](#) LED PD1268...

[Page 39](#) CONTROL PD1268 20VL43P CONTROL PD1268 14VL43P 20VL43P 14VL43P ALL CONTROL...

This manual is also suitable for:

[14vl43p](#)