



Sanyo MCD-ZX300 Service Manual

Cd portable radio cassette recorder

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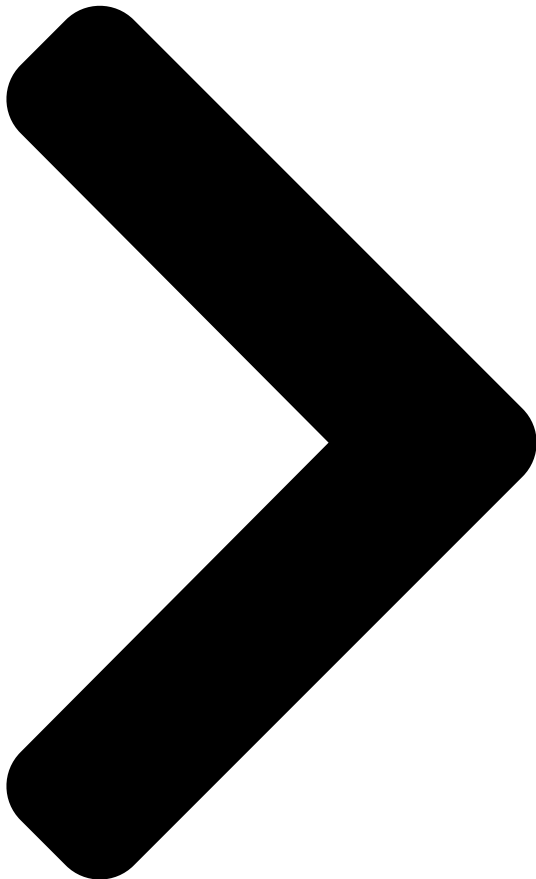
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Service Manual

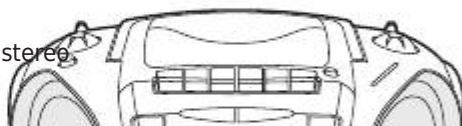
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SPECIFICATIONS

(CASSETTE SECTION)

Recording System 4-track, , 2-channel stereo
Erasing System Magnet erase



Tape speed 4.75 cm/sec.
 Fast forward and
 Rewind time Approx. 110 sec. (C-60 tape)
 Frequency range 80 - 12,000 Hz (Normal tape)

(CD PLAYER SECTION)

Channels 2 channels stereo
 S/N ratio 70 dB
 Wow & Flutter Below measurable limits
 Sampling frequency 44.1 kHz
 Quantization 16 bits linear/ch
 Pickup light source Semi-conductor laser
 Pickup wave length 790 nm
 Laser output Continuous wave max. 0.6 mW

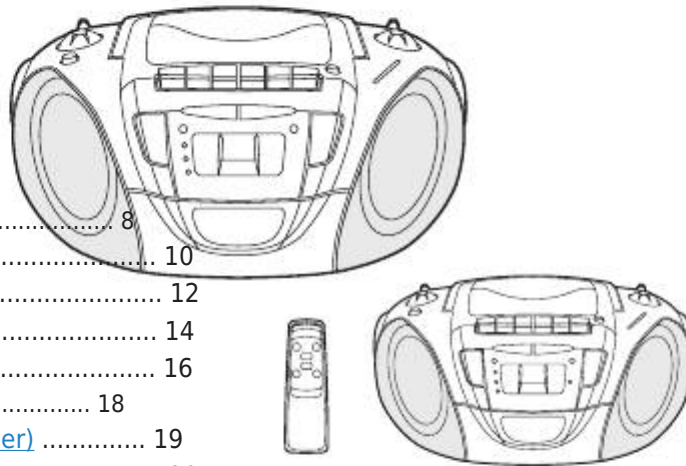
CD Portable Radio

Cassette Recorder

MCD-ZX300

SERIES

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(RADIO SECTION)

Tuning range FM : 87.5 - 108 MHz (XE)

(GENERAL SECTION)

Power output 2W/ch (DC max)
[Speaker](#) 10 cm x 2
 Terminal impedance PHONES : 32 ohms
 Power source AC : 230V, 50Hz (XE)
 Dimensions 380 (W) x 170 (H) x 260 (D) mm
 Weight (approx.) 2.7 kg (Not including batteries)
 Specifications subject to change without notice.

FILE NO.

MCD-ZX300

MCD-ZX300F

MCD-ZX350

MCD-ZX350F

MCD-ZX350

SERIES

PRODUCT CODE No.

- 164 083 03 300 (CA)
- 164 083 01 300F(XE)
- 164 083 04 350 (CA)
- 164 083 02 350F(XE)

FM : 88.0 - 108 MHz (CA)

AM : 526.5 - 1,606.5 kHz (XE)

AM : 525.0 - 1,710.0 kHz (CA)

: 120V, 60Hz (CA)

DC : 12 V ("D"X8 batteries)

REFERENCE No.

(CA)

(XE)

(CA)

(XE)

SM

5810282

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Related Manuals for Sanyo MCD-ZX300

[CD Player Sanyo MCDZX500 Instruction Manual](#)

Cd portable radio cassette recorder (9 pages)

[CD Player Sanyo MCD-ZX540F Instruction Manual](#)

Cd portable radio cassette recorder (11 pages)

[CD Player Sanyo MCD-ZX250F Service Manual](#)

Cd portable radio cassette recorder (12 pages)

[CD Player Sanyo MCD-ZX530F Service Manual](#)

Portable (16 pages)

[CD Player Sanyo MCD-Z150F Service Manual](#)

Portable cd/stereo radio cassette recorder (20 pages)

[CD Player Sanyo MCD-Z8F Service Manual](#)

Cd portable stereo radio cassette recorder (20 pages)

[CD Player Sanyo MCD-Z1F Service Manual](#)

Portable cd/am/fm stereo/cassette recorder (20 pages)

[CD Player Sanyo MCD-Z1F Instruction Manual](#)

Cd portable fm stereo/am cassette recorder (17 pages)

[CD Player Sanyo MCD-Z260F Service Manual](#)

(16 pages)

[CD Player Sanyo MCD-Z250F Service Manual](#)

(33 pages)

[CD Player Sanyo MCD-Z250F Service Manual](#)

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[CD Player Sanyo MCD-Z5F Service Manual](#)

Cd portable stereo radio cassette recorder (21 pages)

[CD Player Sanyo MCD-Z11F Service Manual](#)

(20 pages)

[CD Player Sanyo PH-DS280 Service Manual](#)

Cd portable radio cassette recorder (16 pages)

[CD Player Sanyo MCD-Z100F Instruction Manual](#)

(29 pages)

[CD Player Sanyo MCD-Z38F Instruction Manual](#)

Cd portable stereo/radio double cassette recorder (21 pages)

Summary of Contents for Sanyo MCD-ZX300

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FILE NO. Service Manual MCD-ZX300 CD Portable Radio (CA) Cassette Recorder MCD-ZX300F (XE) MCD-ZX350 (CA) MCD-ZX350F (XE) MCD-ZX300 SERIES MCD-ZX350 SERIES PRODUCT CODE No. CONTENTS 164 083 03 300 (CA) 164 083 01 300F(XE) 164 083 04 350 (CA) 164 083 02 350F(XE) Specification

[Page 2: Laser Beam Safety Precaution](#)

LASER BEAM SAFETY PRECAUTION • Pickup that emits a laser beam is used on this CD section. CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. LASER

OUTPUT0.6 mW Max. (CW) WAVE LENGTH

[Page 3: Tuner Adjustments](#)

TUNER ADJUSTMENTS • Use a plastic screw driver for adjustments. • Adjust the intermediate frequency of AM and FM to the frequency of ceramic filter. • Set of unit Supply voltage : DC 12V Speaker : 4 ohms Standard output : 50 mW (450 mV) Function switch : RADIO...

[Page 4: Tape Deck Adjustments](#)

TAPE DECK ADJUSTMENTS 1. HEAD REPLACEMENT • After replacement, demagnetize the heads by using a degausser. • Be sure to clean the heads before attempting to make any adjustments. • All wiring should be returned to the original position after work is completed. 2.

[Page 6: Parts List](#)

PARTS LIST PRODUCT SAFETY NOTICE EACH PRECAUTION IN THIS MANUAL SHOULD BE FOLLOWED DURING SERVICING. COMPONENTS IDENTIFIED WITH THE IEC SYMBOL IN THE PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY !!! CAN OF SPECIAL SIGNIFICANCE. WHEN REPLACING A COMPONENT IDENTIFIED , USE ONLY THE REPLACEMENT PARTS DESIGNATED, OR PARTS WITH THE SAME RATINGS OF RESISTANCE, WATTAGE OR VOLTAGE THAT ARE DESIGNATED IN THE PARTS LIST IN THIS MANUAL.

[Page 7](#) PARTS LIST REF.NO. PART NO. DESCRIPTION REF.NO. PART NO. DESCRIPTION SW705 645 042 0023 SW TACT, MEMORY Q0903 645 054 0578 TR 2SB1426Q SW706 645 042 0023 SW TACT, PLAY/PAUSE SW301 645 042 0054 SW SLIDE, SS23E01G6 SW302 645 042 0030 SW PUSH, ON-OFF REC SW P.W. BOARD ASSY T0201 645 027 0307 BIAS COIL, IFT 3630...

[Page 8: Block Diagram](#)

EXPLODED VIEW and PARTS LIST (CD MECHANISM & TAPE DECK MECHANISM) CASS DECK MECHANISM (P21VB-A83-2L1F4) REF.NO. PART NO. DESCRIPTION 645 050 1814 CASS DECK MECHANISM, TM01 SEMI AUTO STOP TM01 645 018 0637 R/P HEAD TM02 645 050 1401 PINCH ROLLER TM02 TM03 TM03 645 030 6839 E HEAD...

[Page 9: Ic Block Diagram & Description](#)

IC BLOCK DIAGRAM & DESCRIPTION IC901 TC94A23FN503 (CD PROCESSOR) 64 63 62 61 60 59 Clock gene. 57 RFI Data CD clock slicer 56 SLCO ZDET 50 TMAX TMAX SERVO 49 PDO control 48 2P V 54 VCOF Digital equalizer 53 PV Automatic adjustment circuit 51 LPFO...

[Page 10](#) IC BLOCK DIAGRAM & DESCRIPTION IC902 TA2153FN (ANALOG SIGNAL PROCESSOR) 36pF SBAD 10pF 12 2VRO 3 STATE RFRP 11 TEB DET. 10 SEL RFCT 9 LDO 8 MDI 15pF BOTTOM RFRPIN 7 TNI PEAK 15pF RFGO 6 TPI 40pF GVSW 5 FPI AGCIN 4 FNI...

[Page 11](#) SCHEMATIC DIAGRAM (MAIN/CA) This is a basic schematic diagram. - 10 - - 11 - ...

[Page 12](#) SCHEMATIC DIAGRAM (MAIN/XE) This is a basic schematic diagram. - 12 - - 13 - ...

[Page 13](#) SCHEMATIC DIAGRAM (CD/CA) ZX350 Only This is a basic schematic diagram. - 14 - - 15 - ...

[Page 14](#) SCHEMATIC DIAGRAM (CD/XE) ZX350 Only This is a basic schematic diagram. - 16 - - 17 - ...

[Page 15: Wiring Diagram \(Cd Main And Rec Sw\)](#)

WIRING DIAGRAM (CD MAIN and REC SW) CD MAIN REC SW This is a basic wiring diagram. - 18 - ...

[Page 16: Wiring Diagram \(Tuner, Display And Rectifier\)](#)

WIRING DIAGRAM (TUNER , DISPLAY and RECTIFIER) TUNER DISPLAY RECTIFIER This is a basic wiring diagram. - 19 - ...

[Page 17: Wiring Connection](#)

WIRING CONNECTION AC IN BATTERY DC12V ORANGE BROWN (16P) YELLOW BLACK CD MECHANISM (6P) CN1101 (4P) YELLOW F1101 T2A L 250V FM ROD RECTIFIER ANT. P.W.B SWITCH OPT. DIGITAL PHONES CN903 CN102 JOG901 CN901 CN902 (2P) JK301 (2P) (8P) (8P) CN302 (4P) CN301...

[Page 18](#) SANYO Electric Co., Ltd. Apr./ '02 Printed in Japan Osaka, Japan...

This manual is also suitable for:

[Mcd-zx300fMcd-zx350Mcd-zx350f](#)