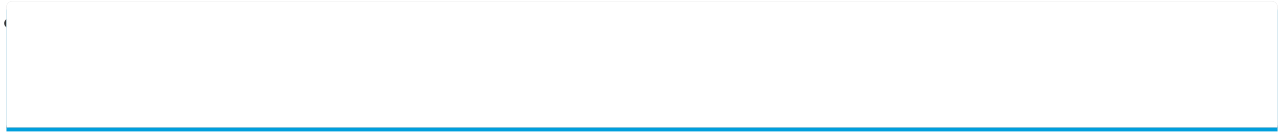


Sanyo AWM-2100 Service Manual

Cd radio cassette recorder

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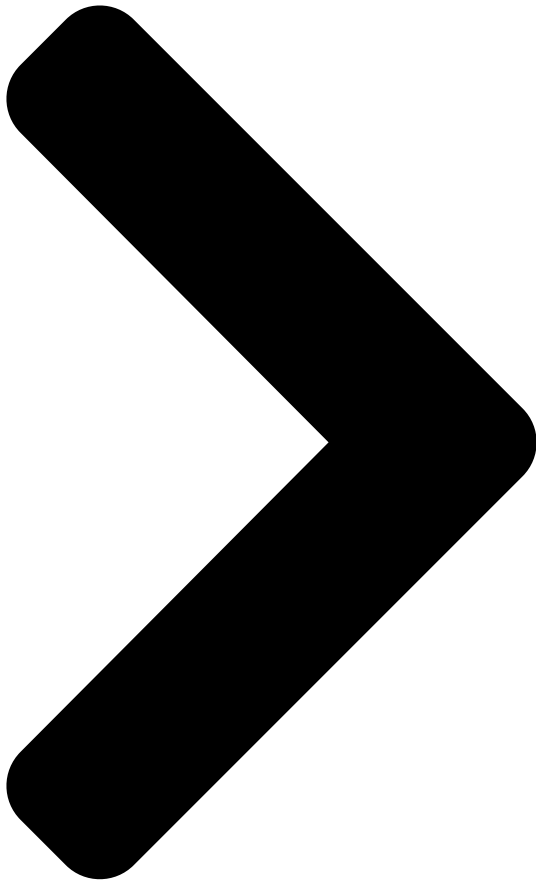
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Service Manual

CD Radio Cassette Recorder

US,CA

PA,AU,XE,KR

FILE NO.

AWM-2100

(US)

DC-C200

(CA)

DC-S200

(PA)

(AU)

(XE)

(KR)

PRODUCT CODE No.

129 583 00 AWM-2100 (US)

129 583 01 DC-C200

(CA)

129 583 02 DC-S200

(XE)

129 583 03 DC-S200

(AU)

129 583 04 DC-S200

(PA)

129 583 05 DC-S200

(KR)

SM

5810132

REFERENCE No.

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Related Manuals for Sanyo AWM-2100

[Stereo Receiver Sanyo DC-C70 Service Manual](#)

Mini component system (39 pages)

[Stereo Receiver Sanyo DCX 2300K Service Manual](#)

(13 pages)

[Stereo Receiver Sanyo DCX 1515K Service Manual](#)

(11 pages)

[Stereo Receiver Sanyo DXC 8000K Service Manual](#)

(10 pages)

[Stereo Receiver Sanyo DCX 3300K Service Manual](#)

4 channel stereo receiver (16 pages)

[Stereo Receiver Sanyo DCX 6000K Service Manual](#)

(3 pages)

[Stereo Receiver Sanyo V73 Service Manual](#)

(32 pages)

[Stereo Receiver Sanyo DCX 3000K Service Manual](#)

(12 pages)

[Stereo Receiver Sanyo JCX2900KR Service Manual](#)

(24 pages)

[Stereo Receiver Sanyo MCD-S675F Service Manual](#)

Cd portable stereo radio cassette recorder (20 pages)

Summary of Contents for Sanyo AWM-2100

[Page 1](#) (CA) DC-S200 (PA) (AU) (XE) (KR) US,CA PA,AU,XE,KR PRODUCT CODE No. 129 583 00 AWM-2100 (US) 129 583 01 DC-C200 (CA) 129 583 02 DC-S200 (XE) 129 583 03 DC-S200 (AU) 129 583 04 DC-S200 (PA) 129 583 05 DC-S200...

[Page 2: Specifications](#)

SPECIFICATIONS (This is basic specification) (AMPLIFIER SECTION) (GENERAL) Output power5 w x 2 (at 4 ohms, 10% distortion) Power sourceAC : 110 - 120/220 - 240V, 50/60Hz (PA) Sound presets 4 electronic presets AC : 230 - 240V , 50Hz (AU,XE) Bass expander

[Page 3: Safety Precaution](#)

SAFETY PRECAUTION • Pickup that emits a laser beam is used on this CD section. CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM. ADVARSEL - USYNLIG LASER STRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION, UNDGÅ UDSÆTTELSE FOR STRÅLING.

[Page 4: Tape Deck Adjustments](#)

TAPE DECK ADJUSTMENTS Play/Record and Playback Head Azimuth Adjustment. To adjust the play/record and playback head azimuth screw : PUSH DECK "B" PUSH DECK "A" HEAD AZIMUTH ADJ. PUSH 1. Connect two (2) VTVMs and a dual trace scope to the stereo headphone Jack (as shown) with a 32 ohm dummy load. (See Figure 1) Figure1.

[Page 5](#) TAPE DECK ADJUSTMENTS Tape Speed Adjustment 1. Set the function switch to TAPE. MOTOR SPEED ADJ. 2. Connect a frequency counter with a 32 ohm dummy load to the stereo headphone jack. (See Figure 3.) Figure3. Tape Speed Adjustment 3. Insert and play back a 8

kHz test tape into the tape mechanism. 4.

[Page 6: Tuner Adjustments](#)

TUNER ADJUSTMENTS (This is basic adjustment) PARTS LOACTION Equipment needed: 1. AM Signal generator 2. FM Signal generator 3. DC Voltage meter 4. Oscilloscope 5. Output meter (VTVM) AM Alignment-: Use AM S/G and loop antenna Figure4. AM IF/RF Tracking Band STEP S/G FREQUENCY...

[Page 7](#) TUNER ADJUSTMENTS (This is basic adjustment) FM Alignment: Figure5. FM Band Frequency Coverage Alignment Connect FM signal to ANT inputs (mod. 1 kHz 22.5 kHz dev.) Figure6. FM Band/Tracking Band Step S/G FREQUENCY DIAL SETTING ADJUST REMARK 87.5 MHZ 87.5 MHZ L303 Adjust for VT=2.6V Adjustment for...

[Page 8: Exploded View\(Cabinet & Chassis\)](#)

EXPLODED VIEW(CABINET & CHASSIS) - 7 -...

[Page 9: 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 10](#) PARTS LIST REF.NO. PART NO. DESCRIPTION KEY(A) P.W.BOARD ASSY 645 029 1609 SCREW 2.6X10 BH/ST,KEY BD C REF.NO. PART NO. DESCRIPTION 645 029 1609 SCREW 2.6X10 BH/ST, 614 313 0918 ASSY,PWB,KEY A(Only initial) KEY BD C PRESET U/D KEY D0217 645 043 0909 SENSOR,RPM6938-V4 645 043 1937 SCR 3X12, SW201...

[Page 11](#) PARTS LIST LED P.W.BOARD ASSY REF.NO. PART NO. DESCRIPTION REF.NO. PART NO. DESCRIPTION Q0509 645 028 9071 TR. KTD2058Y KEC 614 313 0949 ASSY,PWB,LED(Only initial) SW501 645 035 3253 SLIDE KNOB D0228 645 028 9491 LED 3MM GREEN MAIN P.W.BOARD ASSY D0229 645 028 9491 LED 3MM GREEN D0230...

[Page 12](#) PARTS LIST REF.NO. PART NO. DESCRIPTION REF.NO. PART NO. DESCRIPTION SW301 645 035 3253 SLIDE KNOB,BEAT CUT SW D0310 645 035 2607 DIODE 1N4148 T0301 645 029 2521 10MM IFT YEL 810017 COILS,810017 D0311 645 035 2607 DIODE 1N4148 T0302 645 043 1074 AM ANT COIL D0312 645 035 2607 DIODE 1N4148...

[Page 13](#) EXPLODED VIEW(CD & DECK MECHANISM) TAPE DECK MECHANISM CHASSIS (Only initial) REF.NO. PART NO. DESCRIPTION 645 043 2941 CASS MECHA TK20FX-SW,LANDA TM01 645 030 6839 E HEAD,6PA TM02 TM01 TM02 645 043 0732 P HEAD,YB-7442BS09(RP) TM03 645 043 0732 P HEAD,YB-7442BS09(RP) TM04 TM04 645 009 1612 PINCH ROLLER ARM ASSY...

[Page 14: Ic Block Diagram & Description](#)

IC BLOCK DIAGRAM & DESCRIPTION IC303 T8189N IC304,305 TC4052BP - 13 -...

[Page 15](#) IC BLOCK DIAGRAM & DESCRIPTION IC702 BA4558N IC501 BA5417 OUT1 -IN1 OUT2 +IN1 -IN2 +IN2 IC703 TA2092N IC700 TC9284BF 64 63 TESTX DMPC DMFC PLL Circuit Data slicer AD Converter GNDD DMON Forcus/ TEST Internal Tmax Detection Circuit Tracking SPDA Status CLV Servo Circuit Servo...

[Page 16](#) IC BLOCK DIAGRAM & DESCRIPTION IC700 TC9284BF - 15 -...

[Page 17](#) IC BLOCK DIAGRAM & DESCRIPTION IC701 TA2065N DME0 DMEN DMEP 3 STATE BOTTOM PEAK OSC RFRP FSOSC COSC - 16 -...

[Page 18: Wiring Connection](#)

WIRING CONNECTION KEY BOARD(A) KEY BOARD(C) P.W.B P.W.B P027 P026 (6P) (2P) TURNTABLE MOTOR SENSOR KEY BOARD(B) P.W.B (7P) P.W.B (8P) (17P) CN602 (6P) 3 CD DRIVER P.W.B LOADING MOTOR LED P.W.B CN603 CN601 (2P) (10P) (17P) (10P) LCD & CPU

P.W.B CD PICKUP MECHANISM (8P)

[Page 19](#) WIRING DIAGRAM (CD P.W.BOARD) - 26 -...

[Page 20](#) WIRING DIAGRAM (LCD & CPU P.W.BOARD) - 27 -...

[Page 21](#) WIRING DIAGRAM (POWER P.W.BOARD) - 28 -...

[Page 22](#) WIRING DIAGRAM (MAIN P.W.BOARD) - 29 -...

[Page 23: Wiring Diagram \(3Cd Driver,Key\(A\),\(B\),\(C\),Headphone,Led\)](#)

WIRING DIAGRAM (3CD DRIVER,KEY(A),(B),(C),HEADPHONE,LED) 3 CD DRIVER P.W.BOARD HEADPHONE KEY(C) KEY(A) KEY(B) - 30 -...

[Page 24: Voltage Of Ic & Transistor](#)

VOLTAGE OF IC & TRANSISTOR MAIN SECTION IC301 TA2104AN Pin No. Pin No. IC302 TC9257F (VD input condition) Pin No. STANDBY POWER ON Pin No. STANDBY POWER ON IC303 TA8189 Pin No. PLAY A PLAY B Pin No. PLAY A PLAY B IC304 TC4052 (VD Input condition) Pin No.

[Page 25](#) VOLTAGE OF IC & TRANSISTOR CD SECTION Test on CD Stop condition IC700 TC9284 Pin No. Voltage Pin No. Voltage Pin No. Voltage Pin No. Voltage Pin No. Voltage IC701 TA2065F Pin No. Voltage Pin No. Voltage Pin No. Voltage IC703 TA2092F Pin No.

[Page 26](#) Pin No. STANDBY 16.5 POWER ON 15.1 15.7 15.2 11.6 IC502 NJM7812A Pin No. Voltage 15.5 Transistors (Working point) Q501 8050 Q502 8050 Q507 8050 Q509 2058 SANYO Technosound Co., Ltd. Osaka, Japan May/ '00 / 4450 BB Printed in Japan...

This manual is also suitable for:

[Dc-c200Dc-s200](#)