

Sanyo DS19204 Service Manual

Remote control color television

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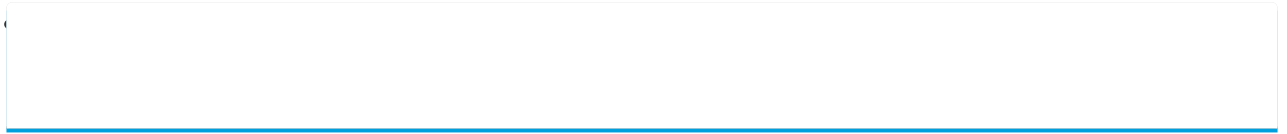
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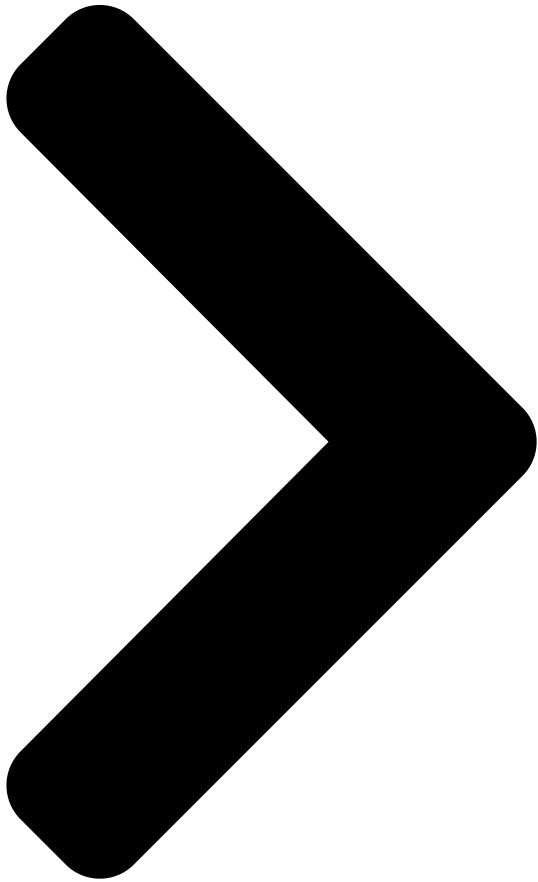
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**SERVICE MANUAL
(SUPPLEMENT)**

THIS CHASSIS IS SIMILAR TO MODEL DS19330, CHASSIS NUMBER 19330-02. SERVICE INFORMATION GIVEN IN THIS MANUAL IS ONLY THE DIFFERENCE INFORMATION FROM MODEL DS19330, CHASSIS NUMBER 19330-02. FOR ADDITIONAL SERVICE INFORMATION, REFER TO THE SERVICE MANUAL FOR CHASSIS NUMBER 19330-02 USED IN MODEL DS19330 (SS780042-02).

G8MGM, PRODUCT CODE 1137A185
**SERVICE MANUAL
(SUPPLEMENT)**
Remote Control Color
Television

**Remote Control Color
Television**



AS

FILE NO.

DS19204

(U.S.A.)

(CANADA)

ORIGINAL VERSION

**SERVICE MANUAL
(SUPPLEMENT)**

**Remote Control Color
Television**

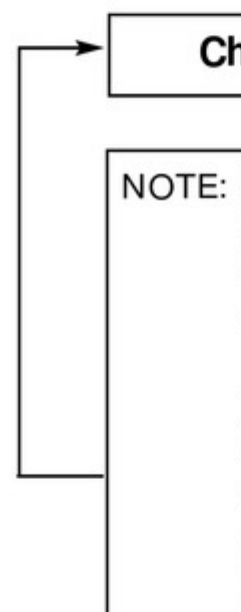
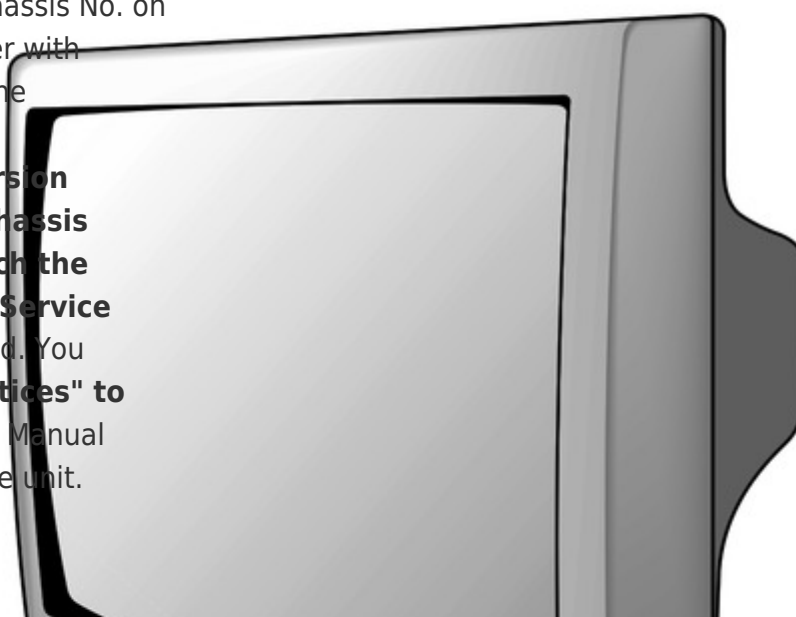
Chassis No. 19204-01

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

SS

**REFERENCE No.
780046**



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Related Manuals for Sanyo DS19204

[CRT TV Sanyo DS13204, DS19204, DS25204 Owner's Manual](#)

Sanyo colortv owner's manual ds13204, ds19204, ds25204 (6 pages)

[TV Sanyo DS13330, DS19330, DS25320 Owner's Manual](#)

Sanyo color tv owner's manual ds13330, ds19330, ds25320 (40 pages)

[TV Sanyo DS13330 Owner's Manual](#)

Color tv (40 pages)

[Color television Sanyo DS19330 Service Manual](#)

Remote control (28 pages)

[TV Sanyo DS13204 Service Manual](#)

Remote control color television (30 pages)

[TV Sanyo DS13310, DS19310 Owner's Manual](#)

Sanyo owner's manual colour tv ds13310, ds19310 (52 pages)

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Sanyo ds19500 ds19500 owner's manual (56 pages)

[TV Sanyo DS19500 Manual](#)

(44 pages)

[TV Sanyo DS31820 Service Manual](#)

Television (34 pages)

[TV Sanyo DS27224 Owner's Manual](#)

Sanyo color tv owner's manual ds 27224 (48 pages)

Summary of Contents for Sanyo DS19204

[Page 1](#) FILE NO. SERVICE MANUAL Remote Control Color DS19204 (U.S.A.) Television (SUPPLEMENT) (CANADA) ORIGINAL VERSION Chassis No. 19204-01 NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual. If the Original Version Service Manual Chassis No.

[Page 2](#) DIFFERENCES MODEL DS19204 (Chassis No. 19204-01) □ SAME AS MODEL DS19330 (Chassis No. 19330-02) EXCEPT: 1. IN THE CABINET / ACCESSORY PARTS LIST MODEL DS19204 (Chassis No. 19204-01) MODEL DS19330 (Chassis No. 19330-02) KEY NO. Part No. Description Part No.

[Page 3](#) 2. IN THE CHASSIS ELECTRICAL PARTS LIST MODEL DS19204 (Chassis No. 19204-01) MODEL DS19330 (Chassis No. 19330-02) KEY NO. Part No. Description Part No. Description 403 343 8403 MT-POLYPRO 8200P H 1.5K 404 077 3108 MT-POLYPRO 7500P H 1.5K C411 404 077 4907 MT-POLYPRO 8200P H 1.5K...

[Page 4](#) For parts or service contact SANYO FISHER SERVICE 21605 Plummer Street Chatsworth, CA 91311 (U.S.A.) 300 Applewood Crescent, Concord, Ontario L4K 5C7 (CANADA) March / 2004 / 2000 SMC Printed in U.S.A.

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Notice PRODUCTION CHANGE CORRECTION FILE NO. SERVICE FLASH ADD INFORMATION REVISION 02 Please add this notice to the Service Manual listed below. June / 15 / 2003 COLOR TELEVISION Date: Category DS19330 19330-02 Model: Effective from : Chassis No. U.S.A. / CANADA SS780042 Destination: REF : No.

[Page 6: Safety Instructions](#)

SAFETY INSTRUCTIONS SAFETY PRECAUTIONS WARNING: The chassis of this receiver has a floating READING SHOULD NOT EXCEED 750 mV. AC VOLTMETER ground with the potential of one half the AC line voltage in (5000 ohms per volt or more sensitivity) respect to earth ground.

[Page 7: Service Adjustments](#)

SERVICE ADJUSTMENTS GENERAL This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments. To enter the Service Menu, first disconnect the AC power cord. Then while pressing the MENU key on the front control panel, reconnect the AC power cord.

[Page 8](#) Table 1. ON-SCREEN SERVICE MENU When IC802 (EEPROM) is replaced, check the bus data to confirm they are the same as below. The shaded menu should be checked and be set up or readjusted according to the procedures described in the following pages. Initial Setup Data marked with an * should be changed from Initial Reference Data.

[Page 9](#) DRIVE AND BIAS ADJUSTMENTS PROGRAM CODE The microprocessor used in this model is a multi-purpose Note 1. type and is used in several different models. To ensure Red/Blue Drive Adjustments in Service Menu NO. 8F DRV: proper operation and the correct features for your Adjust Red and Blue Drive Levels alternately with 1, 3, 7, particular model, the Program Code must be correct.

[Page 10](#) SERVICE ADJUSTMENTS (Continued) ANTENNA CONNECTIONS GRAYSCALE ADJUSTMENT This receiver is designed for UHF/VHF reception. A 75 ohm 1. Set the picture controls to the Auto levels (use MENU terminal is provided for UHF and VHF receptions. When key and key or RESET key). connecting a CATV antenna system, connect the 75 ohm 2.

[Page 11: Vco Adjustment](#)

VCO ADJUSTMENT HIGH VOLTAGE HOLD-DOWN TEST Every time the receiver is serviced, the HIGH VOLTAGE Note: VCO must be adjusted after IC101 (Signal HOLD-DOWN circuit must be tested for proper operation by Processor), IC802 (EEPROM) or T151 (VCO Coil) is following these steps: replaced.

[Page 12](#) SERVICE ADJUSTMENTS (Continued) VIDEO LEVEL SOUND ADJUSTMENT 1. Connect color-bar generator to antenna terminals. 1. Connect a color-bar generator to the antenna terminals 2. Switch the generator to a white field (100 IRE). with audio signal of 1KHz at 100% modulation. 3.

[Page 13: Service Hints](#)

SERVICE HINTS POWER FAILURE DETECTOR This unit is equipped with a Power Failure Detector function included in the CPU which checks for an abnormal condition in the chassis power supplies, including the power supply derived from the Horizontal Output Transformer. If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the CPU will turn the unit off in 1.5 seconds to prevent unnecessary damage: •...

[Page 14: Purity And Convergence](#)

PURITY AND CONVERGENCE ADJUSTMENTS CAUTION: The Purity and Convergence adjustments have been made at the factory. Readjustments should be made only after the picture tube or deflection yoke is replaced. Follow the steps below for necessary readjustments. PURITY ADJUSTMENTS 1. When replacing picture tube or deflection yoke, mount deflection yoke and purity and convergence magnets DEFLECTION YOKE assembly properly.

[Page 15: Convergence Adjustment](#)

CONVERGENCE ADJUSTMENT CENTER CONVERGENCE ADJUSTMENT OUTER AREA CONVERGENCE ADJUSTMENT 1. Connect a crosshatch generator to antenna terminals. The outer area convergence is performed by positioning of 2. Set Contrast to low level to eliminate blooming. Reduce the yoke as follows: Brightness level to obtain black background if necessary.

[Page 16: Mechanical Disassemblies](#)

MECHANICAL DISASSEMBLIES CHASSIS REMOVAL CABINET BACK REMOVAL 1. Remove cabinet back. 1. Refer to Figure 1, remove 7 screws. 2. Discharge the picture tube anode (2nd anode lead) to the 2. Pull off cabinet back and remove. dag coating (picture tube grounding lead). 3.

[Page 17: Chassis Electrical Parts List](#)

CHASSIS ELECTRICAL PARTS LIST CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS, X-RADIATION PRECAUTIONS, HIGH VOLTAGE HOLD-DOWN TEST, and PRODUCT SAFETY NOTICE on Page 2. PRODUCT SAFETY NOTICE PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A STAR () IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE.

[Page 18](#) Schematic Schematic Part No. Part No. Description Description Location Location
C891 404 084 6901 NP-ELECT 1U M C417 403 346 7126 MT-POLYPRO 0.27U J 250V 403 372
6807 MT-POLYPRO 0.27U J 250V C892 403 224 5705 CERAMIC 1000P K C894 403 323 3602
CERAMIC 0.047U K...

[Page 19](#) Schematic Schematic Part No. Description Part No. Description Location Location
D801 407 013 4306 DIODE 1S2076A TRANSISTORS 407 013 7109 DIODE 1S2473 Q401 405 018
0507 TR 2SC3332-R 408 008 2406 DIODE 1N4148 405 018 0606 TR 2SC3332-S D802 407 013
4306 DIODE 1S2076A Q402 406 017 1908...

[Page 20](#) Schematic Schematic Description Description Part No. Part No. Location Location
Q721 405 041 6507 TR 2SC2621-D-RA R165 401 162 2701 MT-GLAZE 180 JA 1/10W 405 041
6705 TR 2SC2621-E-RA R166 401 256 7506 MT-GLAZE 390 JA 1/10W 405 066 4304 TR
2SC2621-C-RA R212 401 256 7100...

[Page 21](#) Schematic Schematic Part No. Description Part No. Description Location Location
R602 402 000 1603 SOLID 3.3M MA 1/2W R851 401 256 5908 MT-GLAZE 2.7K JA 1/10W 402 088
1502 RESISTER 3.3M JA 1/2W R852 401 256 1702 MT-GLAZE 33K JA 1/10W 402 090 2108
RESISTER 3.3M JA 1/2W...

[Page 22](#) Schematic Schematic Part No. Part No. Description Description Location Location
TRANSFORMERS K701 645 028 0306 SOCKET,CRT 8P K1001 645 040 5952 JACK, RCA-2 T151
645 058 1236 TRANS, OSC 45.75MHZ PS601 408 046 5209 TH PTDAA1BF3R0Q100 T401 652
001 1144 TRANS, DRIVE T402 645 057 4832...

[Page 23: Cabinet Parts List](#)

412 036 1805 SCREW 4X14 (7 USED) OR 610 290 1283 RC BATTERT COVER OR 411 078 1101
SCREW 4X14 (7 USED) 610 304 5245 BUTTON UNIT 610 267 0851 CAP RC 610 285 5685 SANYO
BADGE — 19 —...

[Page 24: Component And Testpoint Locations](#)

COMPONENT AND TESTPOINT LOCATIONS MAIN BOARD PARTS SIDE VOL-UP VOL-DN CH-UP CH-
DN MENU POWER A1901 SW1903 SW1904 SW1905 SW1901 SW1902 SW1906 EEPROM IC802
CONTROL 4A 125V TP814 4A 125V RL601 X801 LF601 PS601 LF601A R601H1 IC801 R601H2
R601H3 C633 C609 C633A TP113 D612...

[Page 25: Locations](#)

CAUTION FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE 4A, 125V FUSE. ATTENTION : POUR MAINTENIR LA PROTECTION CONTRE LES RISQUES D' INCENDIE UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE 4A, 125V. 4A 125V PIC TUBE SOCKET BOARD COMPONENTS MAIN BOARD COMPONENTS AND TEST POINTS GRID LOCATIONS...

[Page 26](#) COMPONENT AND TESTPOINT LOCATIONS (Cont.) MAIN BOARD FOIL SIDE SW1906 SW1905 SW1904 SW1903 SW1902 SW1901 A1901 IC802 R1907 R1904 R1903 R1905 R1906 R863 R852 K1001 C862 TP814 FOR CONTINUED PROTECTION CAUTION AGAINST RISK FIRE, Q831 R892 C821 REPLACE ONLY WITH THE SAME R894 TYPE 4A, 125V FUSE.

[Page 27](#) PICTURE TUBE SOCKET BOARD SCREEN ???? K7U1 C742 — 23 —...

[Page 28](#) For parts or service contact SANYO Fisher Service Corporation 21605 Plummer Street Chatsworth, CA 91311 (U.S.A.) 300 Applewood Crescent, Concord, Ontario L4K 5C7 (CANADA) June / 2003 / 2000 SMC Printed in U.S.A. — 24 —...

[Page 29: Block Diagram](#)

MODEL DS19330 Chassis No. 19330-02 WAVEFORMS CAUTION FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE, REPLACE ONLY WITH SCHEMATIC DIAGRAMS THE SAME TYPE 4A, 125V FUSE. Note: Voltages were measured with offset color-bar signal and controls set for normal picture. BLOCK DIAGRAM ATTENTION: POUR MAINTENIR LA PROTECTION CONTRE LES RISQUES D' INCENDIE UTILISER UN...

[Page 30](#) MODEL DS19330 Chassis No. 19330-02 IC501 ASSY, PWB, MAIN LA78040N: TDA9302HM TUNER(WITH PLL & BAND SW) A101 R517 C106 D501 2400010 R518 LBWA C502 L902 35EM 220LBWA C516 TP16 25EM R503 LBWA 3.9K L256 C506 C508 KX5P R252 C253 C258 63FJ CJ56G R511...

This manual is also suitable for:

[Ds19330](#)