



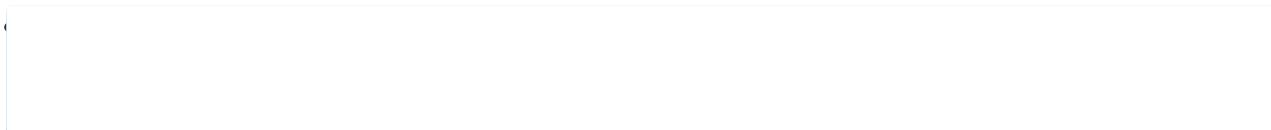
Sanyo DP26671 Service Manual

26" hdtv lcd/dvd combo

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Bookmarks

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[Download this manual](#) See also: [Service Manual](#), [Owner's Manual](#)



ATTENTION ON ALL DVD/TV combo TV's

When working on a TV/DVD combo unit make sure you have all your ground connected when turning on TV if not can damage the main board, power sup LCD panel.



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Related Manuals for Sanyo DP26671

[TV DVD Combo Sanyo DP26671 Service Manual](#)

26" hdtv lcd / dvd combo (78 pages)

[TV DVD Combo Sanyo DP26671 Owner's Manual](#)

26" and 31.5" hdtv lcd/dvd combo (41 pages)

[LCD TV Sanyo Vizon DP26647 Service Manual](#)

Sanyo vizon remote control digital color television (50 pages)

[LCD TV Sanyo DP26640 Owner's Manual](#)

26" hdtv lcd (52 pages)

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720p hdtv (29 pages)

[LCD TV Sanyo DP42849 Owner's Manual](#)

42"/46"/52" lcd hdtv (67 pages)

[LCD TV Sanyo DP52440 Owner's Manual](#)

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[LCD TV Sanyo DP42861 Owner's Manual](#)

lp series 42"/46" lcd 1080p 60hz hdtv (36 pages)

[LCD TV Sanyo DP42848 Service Manual](#)

Remote control digital color television (57 pages)

[LCD TV Sanyo DP39D14 User Manual](#)

(31 pages)

Summary of Contents for Sanyo DP26671

[Page 4: Service Manual](#)

SANYO Factory Code Z6BE Service Reference NO. 298 DP26671 SERVICE MANUAL 26" HDTV LCD/DVD Combo ORIGINAL MFR'S VERSION A Design and specifications are subject to change without notice.

[Page 5](#) IMPOTANT WARNING CAUTION: DVD PLAYER IS A CLASS 1 LASER PRODUCT. HOWEVER THIS PLAYER USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED. THE FOLLOWING CAUTION LABEL IS LOCATED ON THE REAR PANEL OF THE PLAYER. (Printed on the Rear Panel) WHEN THIS PLAYER IS PLUGGED TO THE WALL OUTLET, DO NOT PLACE YOUR EYES

CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF...

[Page 6: Servicing Notices On Checking](#)

SERVICING NOTICES ON CHECKING 1. KEEP THE NOTICES 6. PERFORM A SAFETY CHECK AFTER SERVICING As for the places which need special attentions, they are indicated with the labels or seals on the Confirm that the screws, parts and wiring which cabinet, chassis and parts.

[Page 7: When Replacing Dvd Deck](#)

WHEN REPLACING DVD DECK [When removing the DVD Deck] Before removing Pick Up PCB and DVD MT PCB connector, the short circuit the position shown in Fig. 1 using a soldering iron. If you remove the DVD Deck with no soldering, the Laser may be damaged. [When installing the DVD Deck] Remove all the soldering on the short circuit position after the connection of Pick Up PCB and DVD MT PCB connector.

[Page 8: Disc Removal Method At No Power Supply](#)

DISC REMOVAL METHOD AT NO POWER SUPPLY 1. Remove the Stand, Front Cabinet Ass'y and LCD Panel. (Refer to item 1 of the DISASSEMBLY INSTRUCTIONS.) 2. Slide the Rack Base toward the arrow direction by hand to release the lock. (Refer to Fig. 1) 3.

[Page 9: How To Dsm-5 Disc Irregular Eject](#)

HOW TO DSM-5 DISC IRREGULAR EJECT 1. You must be take off power cord first and waiting until Disc stop then proceeding further. 2. Insert the long wood bar or steel bar (diameter about 2 mm.) into hole side of unit for take out Disc. Caution: •...

[Page 10: About Lead Free Solder \(Pbf\)](#)

ABOUT LEAD FREE SOLDER (PbF) Distinction of PbF PCB: PCBs (manufactured) using lead free solder will have a PbF printing on the PCB. (Please refer to figures.) Caution: • Pb free solder has a higher melting point than standard solder; Typically the melting point is 86 F~104 F(30...

[Page 11: Table Of Contents](#)

TABLE OF CONTENTS IMPORANT WARNING.....A1-1 SERVICING NOTICES ON CHECKING.....A1-2 HOW TO ORDER PARTS..... A1-2 IMPORTANT..... A1-2 WHEN REPLACING DVD DECK..... A1-3 PREPARATION OF SERVICINGA1-3 DISC REMOVAL METHOD AT NO POWER SUPPLYA1-4 HOW TO DSM-5 DISC IRREGULAR EJECTA1-5 ABOUT LEAD FREE SOLDER (PbF).....

[Page 12: General Specifications](#)

GENERAL SPECIFICATIONS LCD Size / Visual Size 26.01 inch / 660.5mmV System LCD Type Color TFT LCD Number of Pixels 1366(H) x 768(V) Double Scan View Range Left/Right 88/88 degree Up/Down 88/88 degree < Bright Dot Zero Bright Dot Ratio Color System NTSC Speaker...

[Page 13](#) Game Timer Timer Back-up (at Power Off Mode) more than G-10 Remote Unit RC-SC Glow in Dark Remocon Control Remocon Format SANYO Format Custom Code 38-C7 h Power Source Voltage(D.C) UM size x pcs UM-3 x 2 pcs Total Keys...

[Page 14](#) GENERAL SPECIFICATIONS Auto Setup Language TV Location Signal Type Automatic Search Picture Setting(TV) Picture Preference Brightness , Contrast , Color Tint Sharpness Color Temperature Backlight Picture Setting(PC) HOR Position , VER Position Phase, Clock Red, Green, Blue Auto Adjust Audio Equalizer Mode Tone Control (Bass/Treble/Balance) Equalizer Setting...

[Page 15](#) GENERAL SPECIFICATIONS HDMI Input VGA (640×480) Yes (60Hz) 720×480i (4:3) Yes (60Hz) 720×480i (16:9) Yes (60Hz) 720×480p (4:3) Yes (60Hz) 720×480p (16:9) Yes (60Hz) 720×576i (4:3) 720×576i (16:9) 720×576p (4:3) 720×576p (16:9) 1280×720p Yes (60Hz) 1920×1080i Yes (60Hz) 1920×1080p Yes (60Hz) CEC (ORION Standard) Deep Color xvYCC...

[Page 16](#) GENERAL SPECIFICATIONS Antenna Change Plug Service Facility List Important Safeguard Dew/AHC Caution Sheet Quick Set-up Sheet Battery UM size x pcs OEM Brand AC Adapter AC Cord (for AC Adapter) AC Cord Cable Tie AV Cord (2Pin-1Pin) Registration Card (NDL Card) 300 to 75ohm Antenna Adapter Sheet Information (FCC) Sheet Information (DTV)

[Page 17](#) Container Stuffing (40' container) Sets/40' container w/Pallet w/Wrapping G-17 Material Cabinet Front ABS 94HB Rear PS 94V0 NON-DECABROM Stand PS 94HB Jack Panel Non-Halogen Demand Eyelet Demand G-18 Environment Environmental standard requirement Green procurement of SANYO Pb-free Phase3(Phase3A) Measures for Whisker Rohs A3-6...

[Page 18: Disassembly Instructions](#)

DISASSEMBLY INSTRUCTIONS 1. REMOVAL OF MECHANICAL PARTS 1-3: DVD MT PCB/LOADER UNIT (Refer to Fig. 1-3) AND P.C. BOARDS 1. Disconnect the following connectors: (CP2301, CP2302, CP2303, CP8501 and CP8502). CAUTION 2. Remove the 2 screws (1). Be careful not to remove the FFC cable forcibly, because 3.

[Page 19](#) DISASSEMBLY INSTRUCTIONS 1-5: POWER / REMOCON / OPERATION PCB (Refer to Fig. 1-5) 1. Remove the 6 screws (1) 2. Remove the Power PCB in the direction of arrow (A). 3. Remove the screw (2) 4. Remove the Operation PCB in the direction of arrow (B). 5.

[Page 20: Removal Of Dvd Deck Parts](#)

DISASSEMBLY INSTRUCTIONS 2. REMOVAL OF DVD DECK PARTS Check Lock NOTE 1. Disassemble only the DVD DECK PARTS parts listed here. Minute adjustments are needed if the Check Lock disassembly is done. If the repair is needed except listed parts, replace the DVD MECHA ASS'Y. 2-1: TRAVERSE ASS'Y/LOADER SUB ASS'Y (Refer to Fig.

[Page 21](#) DISASSEMBLY INSTRUCTIONS NOTE TOP SIDE 4 PIN FFC Check Hook 1. In case of the Gear Motor installation, check if the value Traverse Ass'y of the Fig. 2-2-B is correct. 2. When installing the wire of the PCB630 install it correctly Check Hook as Fig.

[Page 22](#) DISASSEMBLY INSTRUCTIONS NOTE Roller Sub Ass'y 1. In case of the Shutter Roller Ass'y installation, Safety surface for check if the value of the Fig. 2-3-B is correct. pressing of the insert. 2. In case of the Roller Cone installation, install correctly as (OK) (NG) Fig.

[Page 23](#) DISASSEMBLY INSTRUCTIONS Gear Middle 3 Loading Motor PCB Ass'y Rack Base Gear Middle 4 • Install wire from (1) to (2) in order. Pulley Motor Gear Pulley Clamper Magnet Loading Motor BROWN(2) Gear Main RED(1) Gear Middle 2 Fig. 2-4-D Gear Middle 1 Belt Loading •...

[Page 24](#) DISASSEMBLY INSTRUCTIONS • Install the Rack Base as the arrow (1) • Install Boss of Rack Base as the arrow (2) After Ass'y Check Rib Frame Sub Ass'y Check Boss Check Lock Check Boss Rack Base Fig. 2-4-F 2-5: FFC WIRE HANDLING 1.

[Page 25: Removal And Installation Of Flat Package Ic](#)

DISASSEMBLY INSTRUCTIONS 3. REMOVAL AND INSTALLATION OF 3. When IC starts moving back and forth easily after FLAT PACKAGE IC desoldering completely, pickup the corner of the IC usin tweezers and remove the IC by moving with the IC REMOVAL desoldering machine.

[Page 26](#) INSTALLATION 4. When bridge-soldering between terminals and/or the soldering amount are not enough resolder using a Thin soldering amount are not enough, resolder using a Thin- 1. Take care of the polarity of new IC and then install the tip Soldering Iron. (Refer to Fig. 3-8.) new IC fitting on the printed circuit pattern.

[Page 27: Service Mode List](#)

SERVICE MODE LIST This unit is provided with the following SERVICE MODES so you can repair, examine and adjust easily. To enter to the SERVICE MODE function, press and hold both buttons simultaneously on the main unit and on the remote control for more than a the standard time in the appropriate condition.

[Page 28: When Replacing Eeprom \(Memory\) Ic](#)

WHEN REPLACING EEPROM (MEMORY) IC CONFIRMATION OF CHECK SUM, POWER ON TOTAL HOURS AND MICON VERSION Initial total of MEMORY IC, POWER ON total hours and MICON VERSION can be checked on the screen. Total hours are displayed in 16 system of notation. NOTE: If you set a factory initialization, the total hours is reset to "0".

[Page 29: Electrical Adjustments](#)

ELECTRICAL ADJUSTMENTS 1. ADJUSTMENT PROCEDURE NO. FUNCTION NO. FUNCTION Read and perform these adjustments when repairing the 03 R DRIVE(N) 35 TINT circuits or replacing electrical parts or PCB assemblies. 04 R CUTOFF(N) 36 SHARP H1 MAX 05 G DRIVE(N) 37 SHARP H1 MIN CAUTION 06 G CUTOFF(N)

[Page 30](#) ELECTRICAL ADJUSTMENTS 2-2: BRIGHTNESS CENT 2-3: CONTRAST MAX 1. Place the set in Aging Test for more than 15 minutes. 1. Place the set in Aging Test for more than 15 minutes. 2. Receive the color bar pattern. (RF Input) 2.

[Page 31](#) ELECTRICAL ADJUSTMENTS 2-4: CONTRAST CENTER 2-5: CONTRAST 40 1. Place the set in Aging Test for more than 15 minutes. 1. Place the set in Aging Test for more than 15 minutes. 2. Receive the color bar pattern. (RF Input) 2.

[Page 32](#) ELECTRICAL ADJUSTMENTS 2-6: Confirmation of Fixed Value (Step No.) Please check if the fixed values of each of the adjustment item is set correctly referring below.
(TV/AV/COMPONENT/HDMI/PC/DVD/DTV) COMPONENT HDMI PC/HDMI-DVI CVBS 480i 480p 720p 1080i 1080p 480i 480p 720p 1080i 1080P 640*480 720*400...

[Page 33](#) ELECTRICAL ADJUSTMENTS 3. ELECTRICAL ADJUSTMENT PARTS LOCATION GUIDE (WIRING CONNECTION) LCD PANEL DVD MT PCB LOADER UNIT CP8501 CP2303 CP2302 CD1201 POWER PCB MAIN PCB CP2804 CP4201 CD3002 CP2803 CP7004 CP3002 CP3601 CP3003_3 J4302 CP4203 CP2801 CP7003 CP3602 CP2802 J5801 J4201 CP4202 CP4204...

[Page 34: Block Diagram](#)

BLOCK DIAGRAM □Main PCB□ DVD_Power DISC_IN MT1389K UART (MediaTek) DSM-5 DDR2 SDRAM HYNIX w/o USB Time Shift Model □ EJ-WRITER Serial Flash (UPDATE) 32Mbit 512Mbit w/ USB Time Shift Model □1Gbit DVD_SPDI DVD AUDIO AA22 <Remocon PCB> DVD_Power DISC IN UART Remocon □□□...

[Page 35: Printed Circuit Boards](#)

PRINTED CIRCUIT BOARDS DVD MT (BOTTOM SIDE) DVD MT (TOP SIDE) PLAY STOP S801X PAL/R2313 C4123 C2332 R2325 C4016 NTSC R4061 R4045 R4057 R4046 B4007 C4015 C4064 NR4002 C4050 C4044 C4066 IC2301 R4062 D4001 C2306 D2302 R4009 L8501 DMK135A R4050 C8513 R4031...

[Page 36](#) PRINTED CIRCUIT BOARDS MAIM (TOP SIDE) R4218 C4222 R4217 C5817 C5815 W884 CP6204 CP4202_1 CP4204 C4221 W874 C4242 W856 C3004 C5844 IC3004 R5803 C6201_1 B5808 C6202_1 W841 W936 B5804 AV SW C5805 C5803 W935 L5807 W854 R2916 R2915 C5832 W940 W849 B5809 IC5802...

[Page 37](#) PRINTED CIRCUIT BOARDS MAIM (BOTTOM SIDE) R4215 R4214 R4216 W818 B3004 C2823 C2817 CMK201B C2822 R2851 R2801 C3017 C2824 C2814 C2813 IC3002 R4317_1 Q3007 R4316_1 D3010 C3065 C3041 IC3005 C3064 C2859 C2869 C2861 D3003 D3007 C2866 C2841 C2870 IC2803 C2843 W876 R3619 R3616...

[Page 38: Power/Remocon/Operation \(Inserted\)](#)

PRINTED CIRCUIT BOARDS POWER/REMOCON/OPERATION (INSERTED PARTS) SOLDER SIDE SH3802 D3807 IC3806 C3843 CP001 W006 R3835 W824 IC3804 B3802 SH3803 W004 IC3801 R3847 SH3804 W003 D3821 IC3803 D3818 D3820 IC3809 R3813 T3801 R3838 W802 IC3805 Q3801 R3875 W803 IC3802 W804 W024 D2201_1 SW2204 R3830...

[Page 39](#) PRINTED CIRCUIT BOARDS POWER/REMOCON/OPERATION (CHIP MOUNTED PARTS) SOLDER SIDE CEK671A Q7001 Q7002 IC7001 R3842 R3841 Q3804 Q3803 R3876 R3857 R3845 R3852 R3801 Q3802 R3808 R3816 R3819 W801 R3843 D3812 R3815 R3825 R3823 R3833 R3854 R3844 R3832 R3814 D3823 R3863 R3861 R3862 Q3807 D3825...

[Page 40: Mpeg/Micon/Dsp](#)

MPEG/MICON/DSP SCHEMATIC DIAGRAM (DVD MT PCB) JG4001 JG4002 JG4003 JG4004 FROM/TO LOADER/MOTOR DRV R/PR/CVBS R/PR/CVBS B/PB/SC B/PB/SC G/Y/SY G/Y/SY MDI1 LDO2 LDO1 TROUT TRIN STBY V1P4 FROM/TO AUDIO/VIDEO IN/OUT DMSO FMSO B4003 TRCLOSE TROPEN FCM1608KF-102T02 V+1R8 V+1R8 TRSO FOSO DVD_STATUS_1 TXD2TV/CS C4066 1 B

DVDA(RF)

[Page 41: Memory/Sd Card](#)

MEMORY/SD CARD SCHEMATIC DIAGRAM (DVD MT PCB) 64Mbit(4M*16) 200MHz SDRAM IC IC4005 EM638165TS-6G(70NM) C4052 0.1 B 16M SERIAL FLASH IC DQ15 IC4004 DQ15 EN25Q80A-100HIP C4062 SFLASH_CS VSSQ VDDQ 0.1 B R4043 R4047 DQ14 SFLASH_DO DQ14 HOLD# 33 1/16W 10K 1/16W DQ13 SFLASH_CK DQ13...

[Page 42: Loader/Motor Drv](#)

LOADER/MOTOR DRV SCHEMATIC DIAGRAM (DVD MT PCB) C2336 FROM/TO MPEG/MICON/DSP C2301 C2303 CP2301 FPC1.0D-WTX-22P JG2321 V+5V MDI1 LDO2 JG2329 LDO1 VRF(RF_OUT) V1P4 TRIN TROUT TRIN DVD_VR_CTL SW1(DVD/CD) LD DRIV for CD R2307 STBY LDO1 Q2305 Q2302 DMSO KTC3875S_Y_RTK KTA1505S-Y-RTK/P MDI1 3.3K 1/16W FMSO TRCLOSE...

[Page 43: Video/Audio In/Out](#)

VIDEO/AUDIO IN/OUT SCHEMATIC DIAGRAM (DVD MT PCB) FROM/TO REGULATOR +5V SW Q8508 CP8502 (CP3002) +6V SW B8501 SSM3J325F Q8503 A2001WR-6A ACMS160808A121_2A SSM3J325F AT+6V V+6A AT+6V/3.3V C8539 GND(M) FROM/TO LOADER/MOTOR DRV 0.1 B C8536 W829 TRIN 0.1 B V+5V AT+12V P.CON SW Q8509 V+6A RT1N241C...

[Page 44: Flash](#)

FLASH SCHEMATIC DIAGRAM ACCESSORY (MAIN PCB) SCALER IC IC2801 R8A66983BG-U0 High Side SW(500mA) IC IC2805 MP6205DD MICON_UPDATE/PC_TOOL TM101 AT+3.3V CP2802 120V AC 60Hz RESET_N A2001WV-11A CD501 R56-2225 RESET_N P201-2980-1 TCK/MST C2805 C2907 TRST_N VOUT TRST_N 0.01 1005 TDO/MSQ 1005 ASEMDO ASEBRKAK_N D5.0V ASEMDO...

[Page 45: Ddr2](#)

DDR2 SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC DDR2_SDRAM IC IC2801 IC2802 H5PS5162FFR-S5C R8A66983BG-U0 SDDQ0 SDDQ0 SDDQ0 SDDQ1 SDDQ1 SDDQ1 SDDQ2 SDDQ2 SDDQ2 SDDQ3 SDDQ3 SDDQ3 SDDQ4 SDDQ4 SDDQ4 SDDQ5 SDDQ5 SDDQ5 SDDQ6 SDDQ6 SDDQ6 SDDQ7 SDDQ7 SDDQ7 VDDQ SDDQ8 SDDQ8 VDDQ SDDQ8 VDDQ...

[Page 46: Hdmi](#)

HDMI SCHEMATIC DIAGRAM CH1_SCL CH1_SDA (MAIN PCB) SCALER IC C3610 D3619 IC2801 D5.0V_HDMI R8A66983BG-U0 0.0047 NR2804 DA2J10100L 4D02WGJ0220TCE 1005 HDMI_CLK- RXCM R3645 C3611 HDMI_CLK+ RXCP PLL_XFC_A C3601 R3618 HDMI_D0- HDMI1_5V 2.2K 1/16W RX0M HDMI_D0+ HDMI-1 RX0P +-1% 1005 1608 1.5K 1/16W NR2805 CP3601...

[Page 47: Lvds](#)

LVDS SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC IC2801 R8A66983BG-U0 NR2806 2D02WGJ0000TCE LV0OUT0M LV0OUT0M(LLV1M) LV0OUT0P LV0OUT0P(LLV1P) NR2807 2D02WGJ0000TCE LV0OUT1M LV0OUT1M(LLV2M) LV0OUT1P LV0OUT1P(LLV2P) FROM/TO PANEL NR2808 2D02WGJ0000TCE LV0OUT2M LVDS LV0OUT2M(LLV3M_CLK) LV0OUT2P LV0OUT2P(LLV3P_CLK) CP2804 A2006WR-2*15P NR2812 2D02WGJ0000TCE LV0CKOM LV0CKOM(LLV4M) LV0CKOP W826 LV0CKOP(LLV4P) ODSEL LV1OUT3M ERX3- ERX1-...

[Page 48: Micon](#)

MICON SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC IC2801 R8A66983BG-U0 R2850 4.7K 1/16W 1005 SYS_POWER-H QBLCB(SYSTEM_POWER_H) FROM/TO JACK SYS_POWER-H KEY_B DISC_IN_DET DVD_RXD DVD_TXD DVD_POWER_H EXT_MUTE-H REMOCON_IN REMOCON_IN FROM/TO SCALER VIDEO/AUDIO R2917 W845 KEY_A GPY13(RC_IN) 4.7K 1/16W 1005 W843 RED_LED KEY_B KEY_A R2915 MADIN4(KEY_A) 4.7K 1/16W 1005...

[Page 49: Scaler Power](#)

SCALER POWER SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC IC2801 FROM/TO REGULATOR R8A66983BG-U0 B2803 ACMS201209A600_RDC025 VDD12_CPU VDD12A VSS12A VDD12A VSS12B AVDD12_CPU VDD12A VSS12B VDD12B VSS12D VCCQ18_DDR VDD12G VSS12D VDD12B VSS12E A3.3V VDD12G VSS12F Core 1.2V VDD12C VSS12I D3.3V VDD12D VSS12C VDD12E VSS12G VCC33STB_CPU VDD12E...

[Page 50: Tuner](#)

TUNER SCHEMATIC DIAGRAM (MAIN PCB) FROM/TO REGULATOR AT+6V C5815 1005 SCALER IC C5817 IC2801 R8A66983BG-U0 1005 B5805 C5848 C5812 ACMS160808A121_2A IFINM 0.0047 0.001 1005 C5814 1005 C5849 1005 IFINP 0.0047 1005 B5802 ACMS160808A121_2A C5810 R5802 2.05 1.81 2.05 2.05 1.62 1.81 3.07 1/16W...

[Page 51: Scaler Video/Audio](#)

SCALER VIDEO/AUDIO SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC IC2801 R8A66983BG-U0 SPDIF SPDIF SPDIFO C2875 AV1_CVBS VIN2A 1005 C2912 AV2_CVBS VIN4A 1005 LOUT C2876 DVD_Y VIN6A(DVD_Y) 1005 DA1_LOUT ROUT C2877 FROM/TO JACK DVD_C VIN2B(DVD_C) 1005 DA1_ROUT ACLK0 R2858 C2905 R2866 C2878 SP_MUTE/ADTA00 DA0_LOUT SSIN1...

[Page 52: Jack](#)

JACK SCHEMATIC DIAGRAM (MAIN PCB) DVD_TXD J4201 DVD_RXD D AUDIO DRIVER AV-4B-75H Q4202 25C3052 C4220 R4214 ORANGE W818 B4205 DVD-H BUFFER 1608 ACMS160808A121_2A 68 1/16W Q4303 SPDIF SW IC 1005 1005 INK0012AU1 IC6502 B6502 D3.3V FROM/TO MICON BUFFER TC7PA53FU DVD_RX HCB1608KF-221T20 R4218 C4222...

[Page 53: Regulator](#)

REGULATOR SCHEMATIC DIAGRAM FROM/TO FLASH (MAIN PCB) VCC3.3V DC/DC D3.3V FROM/TO POWER PANEL_POWER-H D5.0V L3001 C3027 BLON FOR HIGH INCH MODEL VDD_PANEL LIGHT_CTL CP3003_3 (CP001) R3002 1005 6.8uH AT+3.3V 00_6216_022_000_808+ W813 POWER_ON LQH6PPN B3015 A3.3V D3.3V R3012 1005 10K 1/16W 1005 D3003 D3007 ACMS160808A181_RDC08...

[Page 54: Power](#)

SH3801 C3843 SH3803 YQ-36 YQ-36 250V 220P ° ° GAP T3802 C3831 81190201 R3835 0.022 5.74 2.2 1W D3823 D3825 3.27 D3817 R3811 R3825 138.87 MA111 POWER FAIL UDZSNP8.2B Q3807 LINE FILTER 2.2M 1/10W 2.2M 1/10W ST02D-140 2SK3019_TL J3801 L3801 2125 2125 POWER_FAIL...

[Page 55](#) INVERTER SCHEMATIC DIAGRAM (POWER PCB) D7021 1SS133 D7029 1SS133 FROM/TO POWER C7057 IS_1_+ C7049 0.001 B INV+24V HIGH VOLTAGE + IS_1_DET + 24.1 CP7001 INVERTER_H 20015WR-07LD01 VREF R7039 INV_GND HDR1 16.8 C7046 INVERTER Trans. HV_+ 10 1/16W DRIVE T7001 Q7003 ETJV23ZG35AC HV_- R7002 13.1...

[Page 56: Operation/Remocon](#)

OPERATION/REMOCON SCHEMATIC DIAGRAM (POWER PCB) (REMOCON PCB) FROM/TO MICON OS7601 KSM-2003TCW2P CP2201 (CP6201) A2001WR-5A Vout REMOCON IN R2208 AT+3.3V 47 1/16W STANDBY LED POWER ON LED PCBDA0 CEK673 (OPERATION PCB) FROM/TO MICON CP2202 (CP6204) A2001WR-3A R2204 R2205 R2206 KEY-B KEY B 6.8K 1/16W 2.7K 1/16W 1.8K 1/16W...

[Page 57: Jack2](#)

JACK2 SCHEMATIC DIAGRAM (JACK PCB) FROM/TO JACK CP8101 (CP4202_1) 00_6232_026_006_800+ AV3_Y J8101 COMPONENT_Y AV-5A-66H YELLOW R8113 AV1_CVBS AV3_PB R8105 COMPONENT_PB P.CON+11V 100 1/10W 2125 33 1/16W BUFFER AV3_PR COMPONENT_PR Q8102 J8102 KTC3875_Y_RTK AV-5A-68H 10.63 AV1_CVBS R8109 WHITE W811 CVBS AV1_L R8131 6.15 15K 1/10W 2125...

[Page 58: Sound](#)

SOUND SCHEMATIC DIAGRAM (DIGITAL PCB) SOUND AMP IC IC301 STA333W13TR L302 22uH LQH88PN VDD_DIG CONFIG FROM/TO JACK GND_DIG VDD_REG SYS_POWER-H GND_REG1 PWRON AMP_RESET B300 VDD_PLL OUT1A HCB1608KF-121T20 C302 0.1 1608 C305 0.0047 1608 R304 2.2K C308 680P 1608 FILTER_PLL GND1 CD301 SPEAKER CP301...

[Page 59: Loading Motor/Pcb](#)

LOADING MOTOR SCHEMATIC DIAGRAM (LOADING MOTOR PCB) (PCB) FEED MOTOR M2601 JQ24-35H440 SW001 SW002 ESE31R11T ESE31R11T FROM/TO MOTOR DRIVE JG001 JG002 CD2302 (CP2302) FFC1005075040250800T8-B00 SPINDLE MOTOR M2602 JQ24-35H390 FROM/TO MOTOR DRIVE SW 2 (OPEN) GND(D) (CP2305) CD2301 SW 1 (CLOSE) H01766-A SLD-

SLD+...

[Page 60: Interconnection Diagram](#)

INTERCONNECTION DIAGRAM CP7001 CP2301 CMS-SD8 CP001 CP3003_3 HV_ + CP4201 CD8501 CP8501 GND/KEY_A HV_ - J4201 GND/KEY_B/RELAY_H CHIP_SELECT INVERTER_H AT 12V SPDIF-134 DVD_STATUS SLOT IN DVD CP7002 DRIVE LIGHT_CTL AT 12V HDMI AUDIO IN HV_ + POWER_FAIL AT+5.8V POWER_ON-H DVD_SDA/DVD_TX J4302 HV_ - POWER_ON_H AT+5.8V KEY_B DVD_SCL/DVD_RX...

[Page 61: Waveforms](#)

WAVEFORMS FLASH SOUND 20ns 10us 200mV 100mV 200mV SCALER VIDEO/AUDIO 10us 0.5V 100mV 200mV JACK2 20us 500mV 100mV 500mV JACK 20us 500mV 100mV 500mV MPEG/MICOM/DSP 10us 200mV 100mV 200mV 10us 0.2us 20ns 100mV 200mV 200mV NOTE : The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

[Page 62](#) WAVEFORMS MPEG/MICOM/DSP VIDEO/AUDIO IN/OUT 50ms 200mV 200ns 200mV VIDEO/AUDIO IN/OUT 10us 200mV 10us 200mV NOTE : The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

[Page 63](#) MECHANICAL EXPLODED VIEW 103B 103B 102D 103B 102A 102B PCB130 103B 102D (DVD MT PCB ASS'Y) 102C 103A 102C 104B 104A PCBD90 PCBDA0 (SIDE JACK PCB ASS'Y) (REMOCON PCB ASS'Y) PCBF40 (MAIN PCB ASS'Y) PCB240 (POWER PCB ASS'Y) 101C 101B 101C PCB270 (OPERATION PCB ASS'Y)

[Page 64: Mechanical Exploded Views](#)

MECHANICAL EXPLODED VIEW (PACKING DIAGRAM) FILM BAG (791WHAA435) TRANSMITTER CD501 SCREW ASS'Y, POLYBAG INSTRUCTION (RED CAUTION), PACKAGE TOP INFORMATION SHEET (RETURN), INSTRUCTION BOOK (E/S), INFORMATION SHEET (PICTURE QUALITY) PACKAGE TOP FILM BAG (791WHAA433) LAMIFILM BAG PACKAGE BOTTOM PACKAGE BOTTOM CARTON LABEL GIFT BOX LABEL GIFT BOX I1-3...

[Page 65: Dvd Deck Exploded View](#)

DVD DECK EXPLODED VIEW CD2301 PCB630 PCB610 (LOADING MOTOR PCB ASS'Y) Do not replace the parts. Because, minute adjustments are needed if CD2302 this condition is disassembled M2601 further more. SW002 If the repair is needed, replace the SW001 DVD MECHA ASS'Y. M2603 CLASS PART NO.

[Page 66: Mechanical Replacement Parts List](#)

MECHANICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION 7A708A587A FRONT CABI ASS'Y 7A708A637A FRONT CABI ASS'Y 101A 708WPA0061 CABINET FRONT 101B 713WPA0464 GLASS LED 101C 800WQ00181 FELT SHEET 7A702B322B BACK CABI ASS'Y 102A 702WPA1572 CABINET BACK 102B 735WPA0991 BUTTON FRAME 102C 761WSA0790 ANGLE BACK...

[Page 67: Dvd Deck Replacement Parts List](#)

DVD DECK REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION ! 600 DVD MECHA ASS'Y A55Z01K650 A55Z01K650 FEED RACK ASSY 92AAA0029A GEAR MOTOR 92P100203A GEAR FEED 92P100201A GEAR MIDDLE 92P100202A FRAME 92P100225A PLATE LIFTER 92P000048A SHAFT ROLLER 92P500018A LOADER SUB ASS'Y A55Z01K700 PULLEY MOTOR PULLEY MOTOR...

[Page 68: Electrical Replacement Parts List](#)

ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO. PART NO. DESCRIPTION RESISTORS RESISTORS R300 R803R9470J OHM 1/16W R2875 R808R9472J 4.7K OHM 1/16W R301 R301 R803R9330J R803R9330J OHM 1/16W OHM 1/16W R2882 R2882 R808R9472J R808R9472J 4 7K OHM 1/16W 4.7K OHM 1/16W R303 R803R9330J...

[Page 69](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO. PART NO. DESCRIPTION RESISTORS RESISTORS R3803 R8X2R8334J 330K OHM 1/8W R4024 R808R9104J 100K OHM 1/16W R3806 R3806 R8X2R8334J R8X2R8334J 330K OHM 1/8W 330K OHM 1/8W R4026 R4026 R808R9103J R808R9103J 10K OHM 1/16W 10K OHM 1/16W R3807...

[Page 70](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.
PART NO. DESCRIPTION RESISTORS RESISTORS R7021 R803R9472F 4.7K OHM 1/16W R8123
R803R9682J 6.8K OHM 1/16W R7022 R7022 R803R9472F R803R9472F 4 7K OHM 1/16W 4.7K
OHM 1/16W R8124 R8124 R803R9682J R803R9682J 6 8K OHM 1/16W 6.8K OHM 1/16W...

[Page 71](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.
PART NO. DESCRIPTION CAPACITORS CAPACITORS C326 CS0PB0415K 0.1 UF 50V B C2848
CS0RB0PH7M UF 6.3V B C327 C327 CS0PB0413K CS0PB0413K 0 001 UF 50V B 0.001 UF 50V B
C2849 C2849 CS0UB0N15K...

[Page 72](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.
PART NO. DESCRIPTION CAPACITORS CAPACITORS C3019 CS0UB0214K 0.01 UF 16V B C3849
E8E1T3471M 470 UF 25V C3021 C3021 CS0RB0N17K CS0RB0N17K UF 10V B UF 10V B C3851
C3851 E7EYF4102M E7EYF4102M 1000 UF 35V 1000 UF 35V...

[Page 73](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.
PART NO. DESCRIPTION CAPACITORS CAPACITORS C5844 CS0UB0214K 0.01 UF 16V B C8504
CS0UCH412J 100 PF 50V CH C5846 C5846 CS0UB0215K CS0UB0215K 0 1 UF 16V B 0.1 UF 16V
B C8507 C8507 CS0UCH4S2J...

[Page 74](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.
PART NO. DESCRIPTION DIODES TRANSISTORS D7019 DD1R0100L0 DIODE SILICON DA2J10100L
Q3804 TAAA1504SY TRANSISTOR SILICON KTA1504S_Y_RTK D7020 D7020 DD1R0100L0
DD1R0100L0 DIODE SILICON DIODE SILICON DA2J10100L DA2J10100L Q3805 Q3805
TJX06NF250 TJX06NF250 STF16NF25 STF16NF25 D7021...

[Page 75](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.
PART NO. DESCRIPTION SWITCHES MISCELLANEOUS SW2204 0504101T34 SWITCH,TACT
EVQ21505R CP2202 06GG230019 CONNECTOR PCB SIDE A2001WR-3A SW2205 SW2205
0504101T34 0504101T34 SWITCH TACT SWITCH,TACT EVQ21505R EVQ21505R CP2301 CP2301
06GGVMT030 06GGVMT030 CONNECTOR PCB SIDE CONNECTOR PCB SIDE FPC1 0D-WTX-22P
FPC1.0D-WTX-22P...

[Page 76](#) SPEC.NO. M56P-02W O/R NO. K115055...