



# Sanyo DP26671 Service Manual

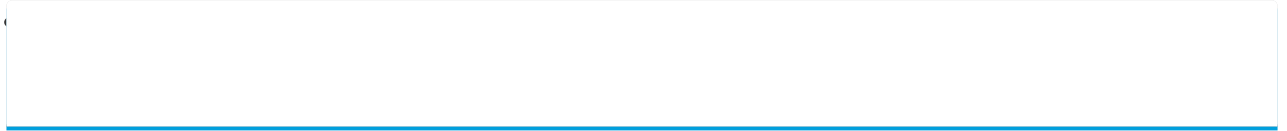
26" hdtv lcd / dvd combo



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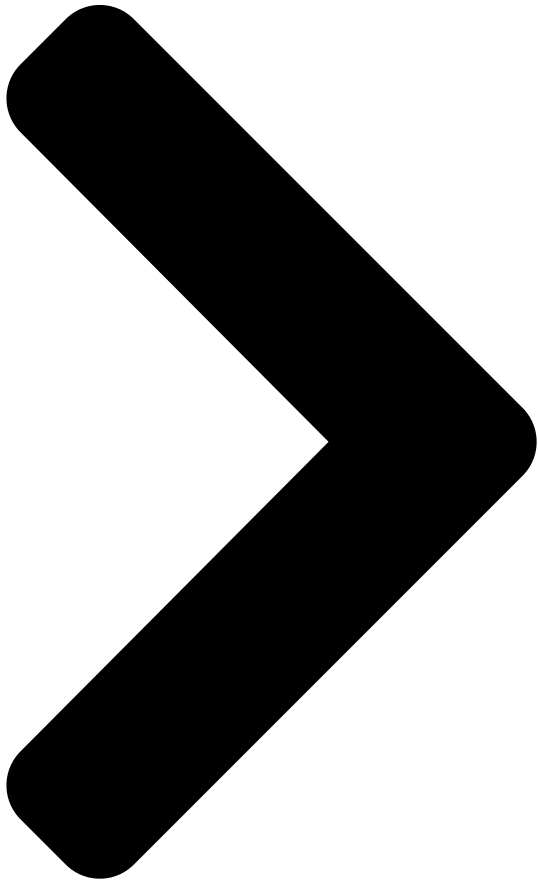
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## ATTENTION ON ALL DVD/TV combo TV's

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

### [LCD TV Sanyo DP26671 Service Manual](#)

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

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

### [TV DVD Combo Sanyo DP32671 Service Manual](#)

32 inch hdtv lcd/dvd combo (81 pages)

### [TV DVD Combo Sanyo DP32671 Service Manual](#)

32" hdtv lcd / dvd combo factory code z6cf (80 pages)

### [TV DVD Combo Sanyo DP26670 Owner's Manual](#)

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### [TV DVD Combo SANYO LCD-22VT10DVD Instruction Manual](#)

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### [TV DVD Combo Sanyo LCD-22VT11DVD Service Manual](#)

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### [TV DVD Combo Sanyo LCD-19VT11DVD Service Manual](#)

Lcd tv dvd built-in (92 pages)

## Summary of Contents for Sanyo DP26671

[Page 4](#) SANYO Factory Code Z6BF Service Reference NO. 715 DP26671 SERVICE MANUAL 26" HDTV LCD / DVD Combo ORIGINAL MFR'S VERSION A Design and specifications are subject to change without notice.

### [Page 5: Important Warning](#)

IMPORTANT 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 A'ssy, Back Cabi Ass'y. (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 Caution: • Please take out Disc with the above method. If you use other method, it maybe NG.

•...

## [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: Hotel Mode Function](#)

HOTEL MODE FUNCTION To set the Hotel mode, please follow the steps below. 1. In power on mode, set the VOLUME to minimum. 2. Press and hold the VOLUME DOWN button on the front panel. 3. Simultaneously press and hold the MENU button on the remote control for more than 2 seconds.

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TABLE OF CONTENTS IMPOTANT 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 SERVICING .....A1-3 A1-4 DISC REMOVAL METHOD AT NO POWER SUPPLY .....A1-5 HOW TO DSM-5 DISC IRREGULAR EJECT .....

## [Page 13: 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 80/80 degree Up/Down 80/70 degree < Bright Dot Zero Bright Dot Ratio Color System NTSC Speaker...

[Page 14](#) 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 15](#) GENERAL SPECIFICATIONS Auto Shut Off G-11 Features Auto Search Power On Memory Hotel Mode Comb Filter Game Position Auto Setup Language TV Location E-POP Demo Signal Type Automatic Search Auto Setup(in Setup Menu) Picture Setting(TV) Picture Preference Brightness , Contrast , Color Tint Sharpness Color Temperature...

[Page 16](#) GENERAL SPECIFICATIONS Yes (Some USB devices may not be usable.) Time Shift Playback File DivX MPEG-4 Visual H.264/MPEG-4 AVC Real Media MPEG-4 AAC FLAC JPEG iPod iPhone iPad Software Update Digital Out Dolby Digital MPEG PC Monitor Input VGA (640x480) Yes (60,72,75Hz) VGA (720x400) Yes (70Hz)

[Page 17](#) GENERAL SPECIFICATIONS Wall Mount Size W x H(mm) Yes (100 x 100) Screw Size M4 x 10 Stand Tilt Swivel Features Progressive Video Out (DVD/CD) Digital Out (Dolby Digital) (MPEG) (PCM) (DTS) No (Possible to output) Decode(Down Mix) (Dolby Digital) (DTS) (SACD) (DVD-Audio)

[Page 18](#) GENERAL SPECIFICATIONS Owner's Manual Language English / Spanish G-12 Accessories w/Guarantee Card Remote Control Unit Rod Antenna Poles Terminal Loop Antenna Terminal U/V Mixer DC Car Cord (Center+) Guarantee Card Warning Sheet Circuit Diagram Antenna Change Plug Service Facility List Important Safeguard Dew/AHC Caution Sheet Quick Set-up Sheet...

[Page 19](#) Container Stuffing (40' container) Sets/40' container w/Pallet w/Wrapping Cabinet Front ABS 94HB G-17 Material 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 A3-7...

## [Page 20: 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. Remove the 4 screws (1). 2. Remove the Shield Deck in the direction of arrow (A). CAUTION 3. Remove the screw (1). Be careful not to remove the LVDS cable forcibly, because 4.

[Page 21](#) DISASSEMBLY INSTRUCTIONS 1-4: MAIN PCB ASS'Y (Refer to Fig. 1-4) 1. Remove the 6 screws (1) 2. Remove the Plate Jack in the direction of arrow (A). 3. Remove the Shield Jack in the direction of arrow (B). 4. Disconnect the following connectors: (CP2804, CP3002, CP3003, CP4201 and CP6201).

## [Page 22: 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 23](#) 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 24](#) 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 25](#) 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 26](#) 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 27: 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 using tweezers and remove the IC by moving with the IC REMOVAL desoldering machine.

[Page 28](#) DISASSEMBLY INSTRUCTIONS INSTALLATION 4. When bridge-soldering between terminals and/or the 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. Then solder each lead on the diagonal positions of IC temporarily.

## [Page 29: 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 30: Servicing Fixtures And Tools](#)

SERVICING FIXTURES AND TOOLS Ref. No. Part No. Parts Name Parts Name JG176 Up-Date Disc JG176 APJG176161 Up-Date Disc Up-Date of the Firmware RE-WRITE FOR DVD FIRMWARE 1. Turn on the power, and set the DVD mode. 2. Confirm that the "No Disc" will be appeared on the screen. 3.

## [Page 31: 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 32: 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 33](#) 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 34](#) 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 35](#) 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 DVI--->HDMI FUNCTION CVBS 480i 480p 720p 1080i 480i 480p 720p 1080i 1080p 640×480 720×400...

[Page 36](#) ELECTRICAL ADJUSTMENTS 3. ELECTRICAL ADJUSTMENT PARTS LOCATION GUIDE (WIRING CONNECTION) LCD PANEL OPERATION PCB CD2806 CP2202 MAIN PCB POWER PCB CD6204 CP2806 CP2803 CD3002 CP001 CP7004 CP3003 CP3601 J4302 CP4203 CP3602 CP7003 CP2802 J5801 J4201 CP2801 CP7002 J4200 SPEAKER J4202 J4204 CD301 J4205...

### [Page 37: Block Diagram](#)

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

### [Page 38: Printed Circuit Boards Dvd Mt](#)

PRINTED CIRCUIT BOARDS DVD MT (TOP SIDE) TO GND POWER PAL/ R2313 C4123 R4006 C2332 R2325 C4016 NTSC R4061 R4045 R4057 NR4002 R4046 B4007 C4015 C4064 C4050 C4044 C4066 IC2301 R4062 D4001 C2306 D2302 L8501 R4050 R4031 C8513 W828 C4051 C4057 C4047 C4056...

### [Page 39: Main](#)

PRINTED CIRCUIT BOARDS MAIN (TOP SIDE) MAIN (BOTTOM SIDE) CP4201 Q4205 R4251 R4242 R4250 R4243 Q4201 IC4201 R4244 J4206 B3008 C4202 R4253 R4248 R4223 R4256 R4259 R4246 R4221 C4200 R4255 R4245 CP301 R4247 R4257 W964 J4205 C331 C332 W959 C328 C333 C329 C307...

### [Page 40: Power/Remocon/Operation](#)

PRINTED CIRCUIT BOARDS POWER/REMOCON/OPERATION (INSERTED PARTS) SOLDER SIDE D3807 C3843 CP001 IC3806 B3802 CP2202 W006 W824 SH3803 SH3802 T3802 R3835 W004 IC3801 D3815 R3847 SH3804 W003 IC3803 D3821 D3818 D3820 R3813 IC3809 R3838 W802 W803 SW2204 IC3805 Q3801 R3875 IC3802 W804 L3801 R3830...

[Page 41](#) PRINTED CIRCUIT BOARDS POWER/REMOCON/OPERATION (CHIP MOUNTED PARTS) SOLDER SIDE Q7001 NTSC Q7002 CEK671A IC7001 R3842 R3841 CEK673A Q3804 Q3803 R3876 R3857 R3845 R3852 R3801 R3808 Q3802 R3816 R3819 W801 R3843 D3812 R3815 R3825 R3823 R3833 R3854 R3844 R3832 R3814 D3823 R3863 Q3807 R3861...

### [Page 42: Mpeg/Micon/Dsp](#)

MPEG/MICON/DSP SCHEMATIC DIAGRAM SD CARD DEBUG JG4001 (DVD MT PCB) JG4002 JG4003 JG4004 FROM/TO LOADER/MOTOR DRV 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 TXD2TV/CS CHE : C -->...



### [Page 43: 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 TP4003 DQ13 SFLASH\_CK...

### [Page 44: Loader/Motor Drv](#)

LOADER/MOTOR DRV SCHEMATIC DIAGRAM (DVD MT PCB) C2336 FROM/TO MPEG/MICON/DSP C2301 C2303 CP2301 FPC1.0D-WTX-22P RF33 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 Q2305 Q2302 LDO1 DMSO KTC3875S\_Y\_RTK KTA1505S-Y-RTK/P MDI1 3.3K 1/16W FMSO...

### [Page 45: Video/Audio In/Out](#)

VIDEO/AUDIO IN/OUT SCHEMATIC DIAGRAM (DVD MT PCB) FROM/TO REGULATOR +5V SW Q8508 +6V SW CP8502 (CP4200) SSM3J325F Q8503 A2001WR-6A SSM3J325F AT+6V AT+6V/3.3V V+6A C8539 GND(M) FROM/TO LOADER/MOTOR DRV 0.1 B C8536 W829 TRIN 0.1 B V+5V AT+12V V+6A P.CON SW Q8509 M\_GND RT1N241C...

### [Page 46: Flash](#)

FLASH SCHEMATIC DIAGRAM ACCESSORY (MAIN PCB) SCALER IC IC2801 High Side SW(500mA) IC R8A66983BG-U0 TM101 120V AC 60Hz IC2805 MP6205DD MICON\_UPDATE/PC\_TOOL R56-2225 CD501 CP2802 AT+3.3V M027001BK RESET\_N A2001WV-11A C2805 RESET\_N TCK/MST C2907 TRST\_N 0.01 1005 VOUT TRST\_N TDO/MSQ 1005 ASEMD0 ASEBRKAK\_N D5.0V ASEMD0...

### [Page 47: Ddr2](#)

DDR2 SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC DDR2\_SDRAM IC IC2801 IC2802 EM68B16CWPA-25H R8A66983BG-U0 SDDQ0 SDDQ0 SDDQ0 SDDQ5 SDDQ1 SDDQ1 SDDQ1 SDDQ2 SDDQ2 SDDQ4 SDDQ3 SDDQ3 SDDQ6 SDDQ4 SDDQ4 SDDQ7 SDDQ5 SDDQ5 SDDQ2 SDDQ6 SDDQ6 SDDQ3 SDDQ7 SDDQ7 VDDQ SDDQ8 SDDQ8 VDDQ SDDQ8 VDDQ...

### [Page 48: Hdmi](#)

HDMI SCHEMATIC DIAGRAM CH1\_SCL CH1\_SDA (MAIN PCB) SCALER IC D3619 C3610 D5.0V\_HDMI IC2801 R8A66983BG-U0 DA2J10100L 0.0047 NR2804 4D02WGJ0220TCE 1005 HDMI\_CLK- RXCM R3645 C3611 R3618 HDMI\_CLK+ HDMI1\_5V RXCP PLL\_XFC\_A C3601 1005 HDMI\_D0- RX0M 2.2K 1/16W 1.5K 1/16W HDMI\_D0+ RX0P +-1% 1005 1608 HDMI-1 1005...

### [Page 49: Lvds](#)

LVDS SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC IC2801 R8A66983BG-U0 LV0OUT0M LV0OUT0M(LLV1M) LV0OUT0P LV0OUT0P(LLV1P) LV0OUT1M LV0OUT1M(LLV2M) LV0OUT1P LV0OUT1P(LLV2P) FROM/TO PANEL LV0OUT2M LVDS LV0OUT2M(LLV3M\_CLK) LV0OUT2P LV0OUT2P(LLV3P\_CLK) CP2804 A2006WV0-2X15P CD1201 LV0CKOM LV0CKOM(LLV4M) LV0CKOP LV0CKOP(LLV4P) EH2U1604 OSEL ERX3- V2801 LV1OUT1M ERX1- V260B2-P03 OR2 LV1CKOM ECLK- / GND LCD PANEL...

### [Page 50: 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 KEY\_B DISC\_IN\_DET DVD\_RXD DVD\_TXD DVD\_POWER\_H FROM/TO JACK2 EXT\_MUTE-H REMOCON\_IN B6202 HCB1608KF-121T20 KEY\_A B6201 HCB1608KF-121T20 KEY\_B R2917 FROM/TO SCALER VIDEO/AUDIO GPY13(RC\_IN) 4.7K 1/16W 1005 KEY\_A R2915 RED\_LED...

### [Page 51: Scaler Power](#)

SCALER POWER SCHEMATIC DIAGRAM (MAIN PCB) SCALER IC IC2801 FROM/TO REGULATOR R8A66983BG-U0 60ohm/3A/DC 0.025ohm B2803 VDD12\_CPU VDD12A VSS12A BLM21PG600SN1D 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...

## [Page 52: Tuner](#)

TUNER SCHEMATIC DIAGRAM (MAIN PCB) FROM/TO REGULATOR AT+6V SCALER IC IC2801 R8A66983BG-U0 C5815 C5817 1005 C5848 1005 IFINM C5812 0.0047 B5805 1005 C5814 0.001 1005 HCB1608KF-121T20 C5849 1005 IFINP 0.0047 1005 B5802 HCB1608KF-121T20 C5810 R5802 1/16W FROM/TO MICON 1005 1005 B5808 C5803 L5807...

## [Page 53: 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 DVD\_C FROM/TO SOUND VIN2B(DVD\_C) 1005 DA1\_ROUT ACLK0 R2858 C2905 R2866 C2878 SP\_MUTE/ADTAO0 DA0\_LOUT SSIN1...

## [Page 54: Jack](#)

JACK SCHEMATIC DIAGRAM (MAIN PCB) J4201 D AUDIO DRIVER DVD\_TXD AV-4B-75H Q4202 2SC3052 C4220 R4214 ORANGE W818 B4205 DVD\_RXD DVD-H 1608 HCB1608KF-121T20 SPDIF SW 1005 1/16W IC6502 B6502 D3.3V 1005 TC7PA53FU DVD\_RX R4218 C4222 HCB1608KF-221T20 R6501 BUFFER DVD\_SPDIF Q4303 2.2K I00 1/16W 1005 INK0012AU1 1/16W...

## [Page 55: Regulator](#)

REGULATOR SCHEMATIC DIAGRAM FROM/TO FLASH (MAIN PCB) VCC3.3V DC/DC D3.3V FROM/TO POWER PANEL\_POWER-H D5.0V CD3002 L3001 C3027 BLON 2C40M1703 FOR HIGH INCH MODEL VDD\_PANEL LIGHT\_CTL CP3003\_3 (CP001) R3002 W813 1005 6.8uH AT+3.3V 00\_6216\_022\_000\_808+ POWER\_ON LQH6PPN B3015 D3.3V R3012 10K 1/16W 1005 1005 D3003 D3007...

## [Page 56: Jack2](#)

JACK2 SCHEMATIC DIAGRAM (MAIN PCB) FROM/TO SCALER VIDEO/AUDIO J4200 AV-5A-66H LOUT YELLOW R4219 AV1\_CVBS R4249 ROUT 100 1/10W 1608 AV1\_CVBS 33 1/16W AV1\_L J4202 AV1\_R AV-5A-68H R4220 BUFFER WHITE AV1\_L R4244 AV2\_CVBS Q4200 15K 1/10W 1608 AV2\_L KTC3875S\_Y\_RTK 1K 1/16W 1005 AV2\_R C4255 ROUT...

## [Page 57: Sound](#)

SOUND SCHEMATIC DIAGRAM (MAIN PCB) SOUND AMP IC IC301 STA333W13TR L303\_1 22uH TSL0808 VDD\_DIG CONFIG GND\_DIG VDD\_REG FROM/TO MICON SYS\_POWER-H GND\_REG1 PWRON B300 VDD\_PLL OUT1A HCB1608KF-121T20 C302 0.1 1005 C305 0.0047 1005 R304 2.2K C308 680P 1005 FILTER\_PLL GND1 CD301 SPEAKER CP301 CP145007...

## [Page 58: Power](#)

SH3801 C3843 YQ-36 SH3803 YQ-36 250V 220P C3831 T3802 81190201 R3835 0.022 2.2 1W F D3823 D3825 D3817 POWER\_FAIL MA111 UDZSNP8.2B Q3807 LINE\_FILTER ST02D-140 2SK3019\_TL J3801 L3801 POWER\_FAIL D3807 CCT2302-0973FC JLB28121 FROM/TO REGULATOR R3811 R3825 1N4006-A5 C3812 CP001 (CP3003\_3) 2.2M 1/10W 2.2M 1/10W...

## [Page 59: Inverter](#)

INVERTER SCHEMATIC DIAGRAM D7021 (POWER PCB) 1SS133 D7029 1SS133 C7057 FROM/TO POWER IS\_1\_+ C7049 0.001 B INV+24V HIGH VOLTAGE + DRIVE IS\_1\_DET\_+ CP7001 INV\_GND Q7003 20015WR-07LD01 VREF R7039 2SK3702 HDR1 INVERTER Trans. HV\_+ 10 1/16W T7001 ETJV23ZG35AC HV\_- FROM/TO REGYLATOR C7046 INVERTER\_CTL IC R7002...

## [Page 60: 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 STANDBY/POWER D2201\_1 LTL-1BEFJ-002A PCBDA0 CEK673 (OPERATION PCB) FROM/TO MICON CP2202 (CD6204) A2001WR-3A R2204 R2205 R2206 KEY-B KEY B...

## [Page 61: Loading Motor](#)

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) (CP2305) CD2301 GND(D) H01766-A SW 1 (CLOSE) SLD-SLD+ SP1-...

## [Page 62: Interconnection Diagram](#)

INTERCONNECTION DIAGRAM CD3002 FOR HIGH INCH MODEL CP001 CP3003\_3 J4201 J4200 J4202 J4203 GND/KEY\_A KEY\_A/GND CP7001 J4206 GND/KEY\_B/RELAY\_H STANDBY\_L HV\_+ INVERTER\_H INVETER\_H J4204 HV\_- LIGHT\_CTL LIGHT\_CTL HDMI AUIDO IN J4302 J4205 CP4201 CP8501 CP2301 POWER\_FAIL POWER\_FAIL CD4203 POWER\_ON\_H POWER\_ON\_H CP7002 CMS-SD8 SOUND\_GND SOUND GND...

## [Page 63: Waveforms](#)

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

[Page 64](#) WAVEFORMS VIDEO/AUDIO IN/OUT 10us 200mV 10us 200mV 50ms NOTE : The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

[Page 65](#) MECHANICAL EXPLODED VIEW 102F 102F 102A PCB130 102B (DVD MT PCB ASS'Y) 102E 102D 102C 102C 102C PCBDA0 104A 104B (REMOCON PCB ASS'Y) 103B 103B PCBF40 103B (MAIN PCB ASS'Y) 103B 101C 101B 103A PCB240 101C (POWER PCB ASS'Y) 101A 101C PCB270 (OPERATION PCB ASS'Y)

## [Page 66: Mechanical Exploded Views](#)

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

## [Page 67: 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 68: Mechanical Replacement Parts List](#)

MECHANICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION 7A708A587A FRONT CABI ASS'Y 101A 708WPA0061 CABINET FRONT 101B 713WPA0464 GLASS LED 101C 800WQ00181 FELT SHEET 7A702B506A BACK CABI ASS'Y 102A 702WPA1572 CABINET BACK 102B 735WPA0991 BUTTON FRAME 102C 761WSA0790 ANGLE BACK 761WSA0791 ANGLE BACK 102D 761WSA0896 ANGLE BACK 2...

## [Page 69: 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 92P100203A GEAR MOTOR 92P100201A GEAR FEED GEAR MIDDLE 92P100202A 92P100225A FRAME PLATE LIFTER 92P000048A 92P500018A SHAFT ROLLER LOADER SUB ASS'Y A55Z01K700 92P100226A PULLEY MOTOR...

## [Page 70: Electrical Replacement Parts List](#)

ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO. PART NO. DESCRIPTION RESISTORS RESISTORS R300 R808R9470J OHM 1/16W R2871 R808R9472J 4.7K OHM 1/16W R301 R808R9330J OHM 1/16W R2875 R808R9472J 4.7K OHM 1/16W R303 R808R9330J OHM 1/16W R2882 R808R9472J 4.7K OHM 1/16W R304 R808R9222J...

[Page 71](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO. PART NO. DESCRIPTION RESISTORS RESISTORS R3825 R801R7225J 2.2M OHM 1/10W R4059 R808R9750F RC OHM 1/16W R3826 R803R9123F RC 12K OHM 1/16W R4060 R808R9750F RC

OHM 1/16W R3828 R803R9223J 22K OHM 1/16W R4061 R808R9750F RC OHM 1/16W...

[Page 72](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.  
PART NO. DESCRIPTION RESISTORS RESISTORS R5814 R808R9332J 3.3K OHM 1/16W R7606  
R803R9391J 390 OHM 1/16W R5815 R808R9332J 3.3K OHM 1/16W R7607 R803R9391J 390 OHM  
1/16W R5817 R808R9682J 6.8K OHM 1/16W R8501 R808R9100J OHM 1/16W...

[Page 73](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.  
PART NO. DESCRIPTION CAPACITORS CAPACITORS C2308 CS0UCH4L1J CC PF 50V CH C2870  
CS0UB0N15K CC 0.1 UF 10V B C2309 CS0UCH412J CC 100 PF 50V CH C2871 CS0UB0N15K CC  
0.1 UF 10V B C2310 CS0UB0413K CC 0.001 UF 50V B...

[Page 74](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.  
PART NO. DESCRIPTION CAPACITORS CAPACITORS C3086 CS0RB0N17K CC UF 10V B C4038  
CS0UB0N15K CC 0.1 UF 10V B C3090 CS0UB0N15K CC 0.1 UF 10V B C4043 CS0UB0314K CC  
0.01 UF 25V B C3093 CS0RB0N17K CC UF 10V B...

[Page 75](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.  
PART NO. DESCRIPTION CAPACITORS CAPACITORS C5846 CS0UB0215K CC 0.1 UF 16V B C8533  
CS0RB0N17K CC UF 10V B C5848 CS0UB04Q3K CC 0.0047UF 50V B C8534 CS0UCH412J CC 100  
PF 50V CH C5849 CS0UB04Q3K CC 0.0047UF 50V B...

[Page 76](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.  
PART NO. DESCRIPTION DIODES TRANSISTORS D8501 DEBRB5R1B2 DIODE ZENER RKZ5.1B2KG  
Q6204 TPRAC05003 COMPOUND TRANSISTOR RT1P241C-T112-1 D8502 D28R11FS40 DIODE  
SCHOTTKY EC11FS4-TE12L Q6205 TNRAB05004 RT1N141C-T112-1 COMPOUND TRANSISTOR  
D8503 D28R11FS40 DIODE SCHOTTKY EC11FS4-TE12L Q7001 TCAA3875SY TRANSISTOR  
SILICON...

[Page 77](#) ELECTRICAL REPLACEMENT PARTS LIST REF. NO. PART NO. DESCRIPTION REF. NO.  
PART NO. DESCRIPTION MISCELLANEOUS MISCELLANEOUS B310 024HC51023 CORE,BEADS  
FCM1608KF-102T02 CP7001 06GRW20019 CONNECTOR PCB SIDE 20015WR-07LD01 B311  
024HC51023 CORE,BEADS FCM1608KF-102T02 CP7002 06GRW20019 CONNECTOR PCB SIDE  
20015WR-07LD01 B2305 024HC56013 CORE,BEADS FCM1608KF-601T02 CP7003 06GRW20019  
CONNECTOR PCB SIDE 20015WR-07LD01...

[Page 78](#) SPEC.NO. M57Q-01W O/R NO. K175107...