LCD TV

Schematics & Exploded View with P/N

CHASSIS : LA12C
MODEL : 55LW5700  55LW5700-UE

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.

P/NO : MFL66980409 (1103-REV00)
Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified in the Schematic Diagram and EXPLODED VIEW.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards. Do not modify the original design without permission of manufacturer.

IMPORTANT SAFETY NOTICE
<table>
<thead>
<tr>
<th>Loc No</th>
<th>Part No</th>
<th>Description(English)</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>EAB62088401</td>
<td>Speaker, Full Range</td>
<td>EN1080C-6795 ND 10W 8OHM 79DB 150HZ 200x25x27 CONTACT KOREA TOP TONE CO., LTD.</td>
</tr>
<tr>
<td>200</td>
<td>EA61750001</td>
<td>LCD, Module-TFT</td>
<td>LC550FUF-SOF1 P 55.0INCH 1920X1080 400CD COLOR 99% 16/9 1600:1 1 96KHz(T) Inverter N 10bit(12) NRT-AGP 17/18 MPRT 6ms Edge 160000 100000 LCD(sport) (108.5V) 14.4Kg 16 LV Display Co. Ltd.</td>
</tr>
<tr>
<td>200</td>
<td>CDR30558601</td>
<td>LCD, Module-TFT (Recycled)</td>
<td>LC550FUF-SOF1 P 55.0INCH 1920X1080 400CD COLOR 99% 16/9 1600:1 1 96KHz(T) Inverter N 10bit(12) NRT-AGP 17/18 MPRT 6ms Edge 160000 100000 LCD(sport) (108.5V) 14.4Kg 16 LV Display Co. Ltd.</td>
</tr>
<tr>
<td>200</td>
<td>EA61928201</td>
<td>LCD, Module-TFT</td>
<td>LC550FUF-SOF1 P 55.0INCH 1920X1080 400CD COLOR 99% 16/9 1600:1 1 96KHz(T) Inverter N 10bit(12) NRT-AGP 17/18 MPRT 6ms Edge 160000 100000 LCD(sport) (108.5V) 14.4Kg 16 LV Display Co. Ltd.</td>
</tr>
<tr>
<td>200</td>
<td>CDR30563301</td>
<td>LCD, Module-TFT (Recycled)</td>
<td>LC550FUF-SOF1 P 55.0INCH 1920X1080 400CD COLOR 99% 16/9 1600:1 1 96KHz(T) Inverter N 10bit(12) NRT-AGP 17/18 MPRT 6ms Edge 160000 100000 LCD(sport) (108.5V) 14.4Kg 16 LV Display Co. Ltd.</td>
</tr>
<tr>
<td>300</td>
<td>ABJ73389507</td>
<td>Cabinet Assembly</td>
<td>55LW5700 . 55” Cabinet assy(E Type-Black), XG569C(HB), RS Local</td>
</tr>
<tr>
<td>400</td>
<td>ACQ84673618</td>
<td>Cover Assembly, Rear</td>
<td>55LW5700 . 55” 55LW5700 Back Cover assy_RS_LOCAL_P phantom</td>
</tr>
<tr>
<td>500</td>
<td>EBR72670801</td>
<td>PCB Assembly, Sub Sub Front IR</td>
<td>LW5700 IR + EYE Q ASSY CONTROL T.T. . LW5700 . LW7500 IR ASSY ONLY CHEMTRONICS CO., LTD</td>
</tr>
<tr>
<td>510</td>
<td>EBR73361101</td>
<td>PCB Assembly, Key Board</td>
<td>Front IR CONTROL PAKING LA12C LW5700-UE Sxxx, Kxxx -</td>
</tr>
<tr>
<td>521</td>
<td>MGI62689302</td>
<td>Plate, Shield</td>
<td>PRESS EGI 0.5 SHIELD EGI LVS Side AV Metal Bracket(NTSC)_CSKD of &quot;01&quot;</td>
</tr>
<tr>
<td>530</td>
<td>EAY62169901</td>
<td>Power Supply Assembly</td>
<td>LGP55-11SLPB FREE LGP55-11SLPB LCD HNE/YUYANG/LGIT/LIENCHANG - H&amp;E CO., LTD</td>
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<tr>
<td>530</td>
<td>CRB31006801</td>
<td>Power Supply Assembly (Recycled)</td>
<td>LGP55-11SLPB FREE LGP55-11SLPB LCD HNE/YUYANG/LGIT/LIENCHANG - H&amp;E CO., LTD</td>
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<tr>
<td>540</td>
<td>EBT61410207</td>
<td>Chassis Assembly</td>
<td>MAIN LA12C 55LW5700-UE.Kxxx</td>
</tr>
<tr>
<td>710</td>
<td>MAZ62827604</td>
<td>Bracket</td>
<td>MOLD ABS AF-312 BRACKET 47/LW7500 - ABS Cord BRK, Non Flame_C/SKD</td>
</tr>
<tr>
<td>810</td>
<td>MJI62256302</td>
<td>Supporter</td>
<td>PRESS EGI 2.0 Supporter EGI HGI, 55LW7500, Metal stand guide_,CSKD</td>
</tr>
<tr>
<td>900</td>
<td>AAN73489004</td>
<td>Base Assembly</td>
<td>STAND 55LVS3 - Stand assy_XG570_CSKD</td>
</tr>
<tr>
<td>910</td>
<td>MJI62256203</td>
<td>Supporter</td>
<td>MOLD LUPOY Supporter PC 55LV3500, stand body top, PC+GF20%.CSKD of 01</td>
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<tr>
<td>A2</td>
<td>AKB72915238</td>
<td>Remote Controller Assembly</td>
<td>LCD CI S-Con(LW5600) USA,3D,BB</td>
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<tr>
<td>A3</td>
<td>EAD60817902</td>
<td>Power Cord</td>
<td>P900736 LP-308 90011S-HD3D(90011TS-D) 1.625M 75MM 125V 10A SVT 18AWG 3C BLACK. UL/CSA</td>
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<tr>
<td>A10</td>
<td>FAB30016104</td>
<td>Screw Assembly</td>
<td>FAB30016104 MACHINE TYPE D4.0 L12.0 WASHER D8.5 10.6 SEUNGBEO MECHA CO., LTD</td>
</tr>
<tr>
<td>A13</td>
<td>EBX61268401</td>
<td>Accessory, 3D Glasses</td>
<td>3D Passive Glasses 47LH503D-ND 3D Passive Glasses_for adult(Black) SEESUN CO., LTD</td>
</tr>
<tr>
<td>A21</td>
<td>MCK62976201</td>
<td>Cover, Rear</td>
<td>MOLD ABS CI S-con ABS CI S-con Battery cover</td>
</tr>
<tr>
<td>A23</td>
<td>EAT60713301</td>
<td>Dongle Module, Assembly</td>
<td>WNI52282-LF-19 AN-WF100 UPC Code (79192578838) BCM4323 802.11b/g/n Dual Band Wi-Fi USB Dongle Arcadyn</td>
</tr>
<tr>
<td>A23</td>
<td>EAT60713302</td>
<td>Dongle Module, Assembly</td>
<td>WNI52282-LF-19 AN-WF100 EAN Code(888899287676) BCM4323 802.11b/g/n Dual Band Wi-Fi USB Dongle Arcadyn Technology Corporation</td>
</tr>
<tr>
<td>A23</td>
<td>EAT60713304</td>
<td>Dongle Module, Assembly</td>
<td>WNI52282-LF-19 Dongle Only AN-WF100 BCM4323 802.11b/g/n Dual Band Wi-Fi USB Dongle Arcadyn Technology Corporation</td>
</tr>
<tr>
<td>LV1</td>
<td>EAD61668619</td>
<td>LVDS Cable to P3501</td>
<td>EAD61668619 415MM 0.50MM 51P WHITE UL20861 Reverse Locking A: 125mm B: 210mm C: 100mm D: 70mm YOUNG SHIN CO., LTD</td>
</tr>
<tr>
<td>LV2</td>
<td>EAD61652507</td>
<td>LVDS Cable to P3502</td>
<td>EAD61652507 505MM 0.50MM 41P WHITE UL20861 Reverse A: 125mm B: 250mm C: 135mm D: 70mm YOUNG SHIN CO., LTD</td>
</tr>
</tbody>
</table>
THE SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FILM AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURED SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMATIC.
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Zener Diode is close to wafer.
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**Components:**
- **EPHY_TDP**
- **L1401**
- **MLB-201209-0120P-N2**
- **EPHY_RDP**
- **+3.3V_Normal**
- **EPHY_RDN**
- **C14010.1uF16V**
- **EPHY_ACTIVITY**
- **EPHY_LINK**
- **JK1401**
- **XRJH-01A-4-DA7-180-LG(B)**
- **1 R1**
- **2 R2**
- **3 R3**
- **4 R4**
- **5 R5**
- **6 R6**
- **7 R7**
- **8 R8**
- **12**
- **SHIELD**
- **9 R9**
- **11 R11**
- **10 R10[GND]**
- **D1 YL_C**
- **D2 YL_A**
- **D3 GN_C**
- **D4 GN_A**
- **D1403**
- **5V**
- **LAN_ESD**
- **D1405**
- **5V**
- **LAN_ESD**
- **D1401**
- **5.5V**
- **LAN_ESD**
- **D1404**
- **5.5V**
- **LAN_ESD**
- **D1402**
- **5.5V**
- **LAN_ESD**
- **D1406**
- **5.5V**
- **LAN_ESD**
- **R1401 240**
- **R1402 240**

**Notes:**
- **DUAL COMPONENT**
- **D1401,D1402, D1403,D1404, D1405,D1406**

**Ethernet Block**

**ETHERNET**

**Ethernet Block**

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**SECRET**

**LG ELECTRONICS**

**SMH35230**

**ETHERNET**

**SHEET 14/50**
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CORE +1.26V_FRC

Vout=(1+R1/R2)*0.8

TYPICAL 300mA

+3.3V_FRC

Vout=0.8*(1+R1/R2)

TYPICAL 300mA

+1.5V_FRC

Vout=0.6*(1+R1/R2)

+1.5V of DDR&URSA5 uses same power line

+1.5V_FRC

TYPICAL 350mA

+1.5V_FRC

TYPICAL 350mA

Vout=(1+R1/R2)*0.8

+1.5V of DDR&URSA5 uses same power line

Vout=(1+R1/R2)*0.8

TYPICAL 980mA

JRUSB

+1.5V_FRC

TYPICAL 980mA
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