Caution

Before servicing the chassis, read the safety precautions in this manual.

P/NO: MFL67021005 (1102-REV00)
Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ▲ 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
## 37LK450 EXPLODED VIEW PARTS LIST

<table>
<thead>
<tr>
<th>Loc No</th>
<th>Part No</th>
<th>Description (Local)</th>
<th>Specification</th>
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<tbody>
<tr>
<td>120</td>
<td>EAB09691401</td>
<td>Speaker, Full Range</td>
<td>EN12690-6792 ND 10W 8OHM 120HZ 169X32X27 bracket + SPK LUG KOREA TOP TONE CO., LTD.</td>
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<tr>
<td>200</td>
<td>EAJ61754001</td>
<td>LCD, Module-TFT (37LK450-UB.CUSDLH)</td>
<td>LC170W06-S4 AC1 37HDR 1920X1080 450CD COLOR 72% 16:9 1080i 1.0 60Hz Inverter Y CCFL, 16:9 matrix, 178/178 viewing angle, Normally Open AB Optronics Corp</td>
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<tr>
<td>200</td>
<td>EAJ61768701</td>
<td>LCD, Module-TFT (37LK450-UB.SUSYJK/CUSYLH)</td>
<td>LC170W06-S4 AC1 37HDR 1920X1080 450CD COLOR 72% 16:9 1080i 1.0 60Hz Inverter N Black NRT AGF 178/178 6mm(ST) 1000K 50/60Hz W/O Inverter With T-con 7.3kg 122.6W V5.56 KG LG Display Co., Ltd.</td>
</tr>
<tr>
<td>300</td>
<td>ABJ37289518</td>
<td>Cabinet Assembly (37LK450-UB.CUSDLH/CUSYLH)</td>
<td>37LK550 * 37' 37LK450-UB Cabinet Assy WISTRON Local Phantom</td>
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<tr>
<td>300</td>
<td>ABJ37289509</td>
<td>Cabinet Assembly (37LK450-UB.SUSYJK)</td>
<td>37LK550 * 37' 37LK450-UB Cabinet Assy SKD</td>
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<tr>
<td>400</td>
<td>ACQ83854718</td>
<td>Cover Assembly, Rear (37LK450-UB.CUSDLH/CUSYLH)</td>
<td>37LK550 * 37' 37LK450-UB Back Cover Assy WISTRON Local Phantom</td>
</tr>
<tr>
<td>510</td>
<td>EBT72671301</td>
<td>PCB Assembly, Sub (IR Touch)</td>
<td>IR TOUCH ASS'Y CONTROL T.T. YANG WOO CO., LTD.</td>
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<tr>
<td>521</td>
<td>MAZ26273000</td>
<td>Bracket for Fl. IR</td>
<td>MOLD ABS BRACKET 32LK550 - ABS Touch PCB CSKD</td>
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<td>530</td>
<td>EAY62170001</td>
<td>Power Supply Assembly 37LK450-UB.CUSDLH</td>
<td>LG37-11P FREE LGP37-11P LCD HNE/YUANG/LGIT/LIENCHANG - H &amp; CO., LTD</td>
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<tr>
<td>530</td>
<td>EAY62170007</td>
<td>Power Supply Assembly 37LK450-UB.CUSYLH/SUSYJK (Holder)</td>
<td>FREE 37LA (FHD) LCD YUANG D&amp;U / GITL Holder YUANG D&amp;U CO., LTD</td>
</tr>
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<td>540</td>
<td>EBT61525901</td>
<td>Chassis Assembly (37LK450-UB.CUSDLH)</td>
<td>MAIN LA01U 37LK450-UB(AUO) CKD MAIN TOTAL</td>
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<tr>
<td>540</td>
<td>EBT61542109</td>
<td>Chassis Assembly (37LK450-UB.CUSDLH)</td>
<td>MAIN LA01U 37LK450-UB.SKD ASSY AUO</td>
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<td>540</td>
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<td>Chassis Assembly (37LK450-UB.CUSDLH)</td>
<td>MAIN LA01U 37LK450-UB.SKD ASSY LGD</td>
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<td>800</td>
<td>MJH61874004</td>
<td>Supporter Panel Clips (37LK450-UB.CUSDLH/CUSYLH)</td>
<td>PRESS EGI 1.2 Supporter EGI 37LD450 Metal module fixed[EGI H2.2] (C/CSK) / AUO</td>
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<tr>
<td>800</td>
<td>MJH61874003</td>
<td>Supporter Panel Clips (Only 37LK450-UB.SUSYJK)</td>
<td>PRESS EGI 1.2 Supporter EGI 37LD450 Metal module fixed[EGI H2.2] (C/CSK) / LGD</td>
</tr>
<tr>
<td>810</td>
<td>MJH61879502</td>
<td>Supporter Stand Bracket</td>
<td>PRESS H-CL 1.6 Supporter EGI METAL STAND GUIDE SUPPORTER 42LD650_CKD</td>
</tr>
<tr>
<td>900</td>
<td>AAN73549613</td>
<td>Base Assembly (37LK450-UB.CUSDLH/CUSYLH)</td>
<td>STAND 37/42/47LK550 - 37/42/47LK450_HP_XG570 Stand Assy WISTRON Local</td>
</tr>
<tr>
<td>900</td>
<td>AAN73549600</td>
<td>Base Assembly (Only 37LK450-UB.SUSYJK)</td>
<td>STAND 37/42/47LK550 - 37/42/47LK450_HP_XG570 Stand Assy CSKD</td>
</tr>
<tr>
<td>910</td>
<td>MJH62258003</td>
<td>Supporter (Stand Top Piece)</td>
<td>MOLD ABS Supporter ABS 47LK550 HF 380(HB) Stand Body Top CSDK</td>
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<tr>
<td>A2</td>
<td>AKB72915230</td>
<td>Remote Control Assembly</td>
<td>LCD CI S-Con(LV2500) USA</td>
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<tr>
<td>A3</td>
<td>EAD36017901</td>
<td>Power Cord</td>
<td>PH3BBEDG90A-061 LF-30B LS-13L 1.5MM NONE 125V 10A SVT 18AWG 3C BLACK, UL/LCSA N. LONGWELL COMPANY</td>
</tr>
<tr>
<td>A7</td>
<td>MCK66013802</td>
<td>Cover (Stand Cover) Decorative</td>
<td>MOLD ABS 47L550 ABS Detach Cover CSDK</td>
</tr>
<tr>
<td>A8</td>
<td>FAB30021301</td>
<td>Screw, Tapping</td>
<td>1TGA403315 TH + 1 4MM 20MM MSWR10 FZB SEUNGBO MECHA TECH CO., LTD</td>
</tr>
<tr>
<td>A10</td>
<td>FAB30016106</td>
<td>Screw, Assembly, stand</td>
<td>FAB30016106 MACHINE TYPE D4.0 L20.0 WASHER D8.5 H6.6 SEUNGBO MECHA TECH CO., LTD</td>
</tr>
<tr>
<td>A21</td>
<td>MCK62976201</td>
<td>Cover, Rear (Remote Battery Cover)</td>
<td>MOLD ABS CI S-con ABS CI S-con Battery cover</td>
</tr>
<tr>
<td>LV1</td>
<td>EAD61668609</td>
<td>Cable, FFC (Only 37LK450-UB.CUSDLH)</td>
<td>EAD61668609 420MM 0.50MM 5'9 WHITE UL20811 non reverse Locking A: 55mm B: 130mm C: 230mm D: 65mm. YOUNG SHIN CO., LTD</td>
</tr>
<tr>
<td>LV1</td>
<td>EAD61668609</td>
<td>Cable, FFC (37LK450-UB.SUSYJK/CUSYLH)</td>
<td>EAD61668609 390mm 0.50MM 5'9 WHITE UL20811 non reverse Locking A: 70mm B: 170mm C: 180mm D: 130mm YOUNG SHIN CO., LTD</td>
</tr>
</tbody>
</table>
THE SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION.
FLAME AND ELECTRICAL SHOCK HAZARDS, WHEN SERVICING IT IS
ESSENTIAL THAT ONLY MANUFACTURER SPECIFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMATIC.
USB DOWN STREAM

THE SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURERS SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMATIC.
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---

**Diagram Details:**

- MDS62110205
- GAS4-*2
- 7.5T_GAS
- MDS61887710
- GAS3-*3
- 9.5T_GAS
- MDS62110206
- GAS2
- 6.5T_GAS
- MDS61887708
- GAS5
- 8.5T_GAS
- MDS62110209
- GAS1-*5
- 8.5T_GAS
- MDS62110204
- GAS3-*1
- 5.5T_GAS
- MDS62110209
- GAS3-*5
- 8.5T_GAS
- MDS61887710
- GAS2-*3
- 9.5T_GAS

---

**Legend:**

- **SMD GASKET:**
- **GAS:**
- **T:**
- **GAS3:**
- **GAS4:**
- **GAS1:**
- **GAS2:**
- **GAS6:**
- **GAS7:**
- **GAS5:**
- **GAS1-*:**
- **GAS2-*:**
- **GAS3-*:**
- **GAS4-*:**
- **GAS5-*:**
- **GAS6-*:**
- **GAS7-*:**
- **GAS1-*:**
- **GAS2-*:**
- **GAS3-*:**
- **GAS4:*:**
- **GAS5-*:**
- **GAS6-*:**
- **GAS7-*:**

---

**Notes:**

- This schematic is for reference only.
- The actual components and connections may differ.
- Consult the manufacturer's specifications for precise details.

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**Date:**

- 20101023

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- LG ELECTRONICS

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---

[30Pin LVDS Connector] (For HD 60Hz_Normal)

[30Pin LVDS Connector] (For HD 60Hz_Normal)
THE SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FIRE AND ELECTRICAL SHOCK HAZARDS, WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SYMBOL MARK OF THE SCHEMETIC.
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THE SYMBOL ON THE SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURED SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS.

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### TI solution RF-3D OPTION

### ALL 3D-SG OPTION

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<th>GPIO1</th>
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The symbol mark of this schematic diagram incorporates special features important for protection from X-radiation. When servicing it is essential that only manufactured specified parts be used for the critical components in the symbol mark of the schematic.