**LIST OF MODELS AFFECTED**

<table>
<thead>
<tr>
<th>ELC6375DAX</th>
<th>ELM90H</th>
<th>ELM811D</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELC6375DXW</td>
<td>ELM90HFA</td>
<td>ELM6375DX</td>
</tr>
<tr>
<td>ELC445D</td>
<td>ELM811</td>
<td>ELM6DW</td>
</tr>
<tr>
<td>ELM90</td>
<td>ELM811H</td>
<td>ELM6375X</td>
</tr>
</tbody>
</table>

For enquiries, Please contact Louver Sales: louversales@ruskin.com

**PRE-ASSEMBLY INSTRUCTIONS:**

1. Remove louvers & accessories from shipping containers & inspect for damage. Single section units will be shipped fully assembled. Multi-section units will be shipped in shipping sections to be assembled at the job site. Large multi section units may be packaged in more than one shipping crate.
2. Care must be taken when handling components. Lift louver sections carefully by the supports or frames. Avoid lifting by louver blades. Do not apply excessive force to any point of the section. Lift at multiple points, if necessary to avoid deformation or racking of components.
3. Inspect louvers & components after removal from containers. Verify that all components & fasteners are accounted for. Report any shortages immediately to Ruskin manufacturing.
4. Inspect the openings that the louvers will be installed in. Verify that the openings are square & that the unit will fit prior to installation.
5. Contact your local Ruskin representative if you have questions pertaining to this installation or other field modifications.
6. Ensure that you have received ship loose parts & a box with hardwares.

**ASSEMBLY PROCEDURE:**

1. Install extended sill in the opening (if applicable).
2. Locate ship loose hardware required for louver multi-section assembly.
3. Position the louver sections faced down on a level, non-abrasive surface in the configuration they will be assembled in. Reference the tag numbers on each section to ensure the sections are in correct order.
4. Refer to appropriate exploded details for splice hardware identification & location. Now fasten the sections together at frames. (Supports are pre-drilled at plant for ease).
5. If perimeter clips or continuous angles are to be installed, locate & anchor them in the opening. (Reference clip angle installation guide for instructions).
6. Level the louver assembly both horizontally & vertically in the opening using shims. (Shims not provided by Ruskin).
7. Position the louver in the opening so that the desired sealant joint will be maintained around the perimeter of louver.
8. After louver is secured, install backer rod & sealant around louver perimeter. (Sealant not provided by Ruskin).
### Reference Images

**Parts List Table - Jamb Frame Splice (Ship Loose)**

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
<th>PART #</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ANGLE 1.5 X 1.5 X .125 X 12 LG.</td>
<td>1</td>
<td>360437300</td>
<td>EXT ALUM 6063-T5 .125&quot; THK</td>
</tr>
<tr>
<td>2</td>
<td>SCR 10 X 1.00 HWH TEK</td>
<td>4</td>
<td>380430941</td>
<td>410 SS/ZC</td>
</tr>
</tbody>
</table>

**Parts List Table - Visible Horz. Mullion (Ship Loose)**

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
<th>PART #</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2 X .125 THK CONT. SPLICE PLATE</td>
<td>VARIERS</td>
<td>341358M00</td>
<td>EXT ALUM 6063-T6</td>
</tr>
<tr>
<td>4</td>
<td>SCR 10 X 1.00 HWH TEK</td>
<td>VARIERS</td>
<td>380430941</td>
<td>410 SS/ZC</td>
</tr>
</tbody>
</table>

**Parts List Table - Visible Vertical Mullion (Ship Loose)**

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
<th>PART #</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>2 X 4 X .125 THK SPLICE PLATE</td>
<td>1</td>
<td>360431136</td>
<td>EXT ALUM 6063-T6</td>
</tr>
<tr>
<td>6</td>
<td>SCR 10 X 1.00 HWH TEK</td>
<td>4</td>
<td>380430941</td>
<td>410 SS/ZC</td>
</tr>
</tbody>
</table>

**NOTICE**

Square balloons indicate ship loose parts.
**MULTI SECTION INSTALLATION**

**1X2 MULTI SECTION EXPLODED VIEW**

- **SCR 10 X 1.00 HWH TEK**
  - (4 QTY REQ'D) (SHIP LOOSE)
- **ANGLE 1.5 X 1.5 X .125 X 12 LG.**
  - (SHIP LOOSE)
  - (NO SPLICE REQ'D AT ACTUATOR LOCATIONS)
- **2 X .125 X CONT. ALUM PLATE**

**ASSEMBLED VIEW**

**ISOMETRIC REAR VIEW**

**NOTCH THE CONT. SPLICE PLATE AS NEEDED SO THAT IT WON'T INTERFERE WITH ACTUATOR PARTS**

**ITEM # | DESCRIPTION | QTY. | PART # | MATERIAL**
--- | --- | --- | --- | ---
**PARTS LIST TABLE - 1X2 MULTI SECTION (SHIP LOOSE)**
1 | ANGLE 1.5 X 1.5 X .125 X 12 LG. | 1 | 360437300 | EXT ALUM 6063-T6
2 | SCR 10 X 1.00 HWH TEK | 4 | 380430941 | 410 SS/ZC
3 | 2 X .125 THK CONT. SPLICE PLATE | VARIES | 341358M00 | EXT ALUM 6063-T6
4 | SCR 10 X 1.00 HWH TEK | VARIES | 380430941 | 410 SS/ZC

**PARTS LIST TABLE - 2X1 MULTI SECTION (SHIP LOOSE)**

1 | 2 X 4 X .125 THK SPLICE PLATE | 1 | 360431136 | EXT ALUM 6063-T6
2 | SCR 10 X 1.00 HWH TEK | 4 | 380430941 | 410 SS/ZC

**ATTACHMENTS VARIES PER LOUVER**

**SQUARE BALLOONS INDICATES SHIP LOOSE PARTS**
MULTI SECTION LOUVER ASSEMBLY

**LIMITED WARRANTY DOCUMENT**

**Document Title:**
- Limited Warranty Document

**MULTI SECTION LOUVER ASSEMBLY**

**ISOMETRIC FRONT VIEW (SEALANT / CAULK INFORMATION)**

- **SEALANT AROUND PERIMETER**
  - (NOT PROVIDED BY RUSKIN)

- **APPLY SEALANT AT VISIBLE MULLIONS**
  - (NOT PROVIDED BY RUSKIN)

**MULTI SECTION LOUVER ASSEMBLY**

**TOP VIEW**

- **1" DIA. HOLLOW TUBE JACKSHAFT**
  - (PART# - 94024800)
  - **FACTORY TO FULLY SUPPORT THIS END OF JACKSHAFT TO PREVENT DAMAGE DURING SHIPPING**

- **SWAGED JACKSHAFT**

- **SLOTTED SPRING PIN**
  - 1/4" DIA. X 1 1/4" LG. 2 REQ'D
  - (PART# - 38033000)
  - (SHIPPED LOOSE)
  - (SPRING PINS ARE SECURELY ADHERED & WRAPPED WITH TAPE TO JACKSHAFT)

- **BEARING BRACKET ASSEMBLY**

**JACKSHAFT SPLICE DETAIL**

- **(FACTORY DRILLED) USE HOLES AS A PILOT HOLE TO FIELD DRILL THRU BOTH JACKSHAFT PIECES**

**APPLICATION SUMMARY**

- **CAULK GUN**
- **AIR FLOW**

- **SEALANT AROUND PERIMETER**
  - (NOT PROVIDED BY RUSKIN)

- **APPLY SEALANT AT VISIBLE MULLIONS**
  - (NOT PROVIDED BY RUSKIN)