# BOWS AND BAYS

## Table of Contents

<table>
<thead>
<tr>
<th>History</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultimate Casement Bow and Bay</td>
<td></td>
</tr>
<tr>
<td>Part Identification – Clad</td>
<td></td>
</tr>
<tr>
<td>Clad Ultimate Casement Bow or Bay</td>
<td>12</td>
</tr>
<tr>
<td>Clad Ultimate Casement 45° Bay</td>
<td>13</td>
</tr>
<tr>
<td>Clad Ultimate Casement 90° Bay</td>
<td>14</td>
</tr>
<tr>
<td>Clad Ultimate Casement Bow</td>
<td>15</td>
</tr>
<tr>
<td>Clad Ultimate Push Out Casement Bow or Bay</td>
<td>16</td>
</tr>
<tr>
<td>Clad Ultimate Push Out Casement 45° Bay</td>
<td>17</td>
</tr>
<tr>
<td>Clad Ultimate Push Out Casement 90° Bay</td>
<td>18</td>
</tr>
<tr>
<td>Clad Ultimate Push Out Casement Bow</td>
<td>19</td>
</tr>
<tr>
<td>Part Identification – Wood</td>
<td></td>
</tr>
<tr>
<td>Wood Ultimate Casement Bow or Bay</td>
<td>20</td>
</tr>
<tr>
<td>Wood Ultimate Casement 45° Bay</td>
<td>21</td>
</tr>
<tr>
<td>Wood Ultimate Casement 90° Bay</td>
<td>22</td>
</tr>
<tr>
<td>Wood Ultimate Casement Bow</td>
<td>23</td>
</tr>
<tr>
<td>Wood Ultimate Push Out Casement Bow or Bay</td>
<td>24</td>
</tr>
<tr>
<td>Wood Ultimate Push Out Casement 45° Bay</td>
<td>25</td>
</tr>
<tr>
<td>Wood Ultimate Push Out Casement 90° Bay</td>
<td>26</td>
</tr>
<tr>
<td>Wood Ultimate Push Out Casement Bow</td>
<td>27</td>
</tr>
<tr>
<td>Casemaster Bow and Bay</td>
<td></td>
</tr>
<tr>
<td>Part Identification – Clad</td>
<td></td>
</tr>
<tr>
<td>Clad Casemaster Bow or Bay</td>
<td>8</td>
</tr>
<tr>
<td>Clad Casemaster 45° Bay</td>
<td>9</td>
</tr>
<tr>
<td>Clad Casemaster 90° Bay</td>
<td>10</td>
</tr>
<tr>
<td>Clad Casemaster Bow</td>
<td>11</td>
</tr>
<tr>
<td>Part Identification – Wood</td>
<td></td>
</tr>
<tr>
<td>Wood Casemaster Bow or Bay</td>
<td>4</td>
</tr>
<tr>
<td>Wood Casemaster 45° Bay</td>
<td>5</td>
</tr>
<tr>
<td>Wood Casemaster 90° Bay</td>
<td>6</td>
</tr>
<tr>
<td>Wood Casemaster Bow</td>
<td>7</td>
</tr>
</tbody>
</table>
ATTENTION:

• Specification and technical data are subject to change without notice.

• Numbers listed in parentheses ( ) are metric equivalents in millimeters rounded to the nearest whole number.
<table>
<thead>
<tr>
<th>PRODUCED</th>
<th>UNIT TYPE</th>
<th>FEATURES OR CHANGES</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1962</td>
<td>Casement Bows</td>
<td>Introduced 4, 5 and 6 wide bow units with head and seat board.</td>
<td>1979</td>
</tr>
<tr>
<td>1971</td>
<td>Wood Double Hung Bays</td>
<td>Introduced 30 and 45 degree bay units with head and seat board.</td>
<td>Present</td>
</tr>
<tr>
<td>1974</td>
<td>Wood Casemaster Bows and Bay</td>
<td>Introduced 45 degree bay and 5 wide bow units with head and seat board.</td>
<td>Present</td>
</tr>
<tr>
<td>1976</td>
<td>Wood Casemaster Bow</td>
<td>Added 4 and 6 wide bow units.</td>
<td>Present</td>
</tr>
<tr>
<td>1978</td>
<td>Clad Casemaster Bows and Bay</td>
<td>Introduced 45 degree bay and 4, 5 and 6 wide bow units with head and seat board.</td>
<td>Present</td>
</tr>
<tr>
<td>1979</td>
<td>Clad Double Hung Bay</td>
<td>Introduced 45 degree bay unit with head and seat board.</td>
<td>Present</td>
</tr>
<tr>
<td>1981</td>
<td>Wood Casemaster and Double Hung Bays</td>
<td>Introduced 60 degree bay units with head and seat board.</td>
<td>Present</td>
</tr>
<tr>
<td>1982</td>
<td>Wood Casemaster Bays</td>
<td>Introduced 30 and 90 degree bay units with head and seat board. The 90 degree bay features 1 7/8” top and side flat casing.</td>
<td>Present</td>
</tr>
<tr>
<td>1983</td>
<td>Clad Double Hung and Clad Casemaster Bays</td>
<td>Introduced 30 degree bay units with head and seat board.</td>
<td>Present</td>
</tr>
<tr>
<td>1983</td>
<td>Sun Bays</td>
<td>Unit featured a 90 degree bay configuration with polygon shaped operating flankers, 1” direct glazed center section and a 1” direct glazed sloped top. Unit was complete with seat board, lever operators, cam locks, butt hinges, 3” top flat casing and 1 1/2” side flat casing.</td>
<td>1994</td>
</tr>
<tr>
<td>1987</td>
<td>Clad Casemaster Bay</td>
<td>Introduced 90° bay units with head and seat board.</td>
<td>Present</td>
</tr>
<tr>
<td>1991</td>
<td>Wood 90 Degree Bent Glass Triangle Bay</td>
<td>Unit features 1” direct glazed bent glass, clear brick mould casing and clear sill. Head and seat board included.</td>
<td>1999</td>
</tr>
<tr>
<td>2003</td>
<td>Wood and Clad Casemaster Bow &amp; Bay</td>
<td>3/31/03 Satin Taupe (TP) hardware replaces bronze as standard. New interior stops, Satin Taupe aluminum screens, optional wood surround screens are available. New screen location and fastening system. New one-piece clad sash extrusion.</td>
<td>Present</td>
</tr>
<tr>
<td></td>
<td>Wood and Clad Ultimate Double Hung</td>
<td>3/31/03 Satin Taupe (TP) hardware replaces bronze as standard.</td>
<td>Present</td>
</tr>
<tr>
<td></td>
<td>Wood and Clad Casemaster Bow &amp; Bay</td>
<td>4/14/03 Newly designed Satin Taupe (TP) folding handle is standard.</td>
<td>Present</td>
</tr>
<tr>
<td>2004</td>
<td>Wood and Clad Bow &amp; Bay</td>
<td>1/2004 Added Oil Rubbed Bronze and Satin Chrome to available hardware finishes.</td>
<td>Present</td>
</tr>
<tr>
<td>2005</td>
<td>Wood and Clad Bow &amp; Bay</td>
<td>2/2005 Added cable support system</td>
<td>Present</td>
</tr>
<tr>
<td>2008</td>
<td>Clad Bow &amp; Bay</td>
<td>7/28/2008 Added Clad Ultimate Casement. Mixed grain Douglas fir is now a standard option.</td>
<td>Present</td>
</tr>
<tr>
<td>2009</td>
<td>All</td>
<td>3/23/2009 Added LoE3-366™ as a standard option for all products. Added Cedro Macho as a standard option for all clad products.</td>
<td>Present</td>
</tr>
<tr>
<td>2011</td>
<td>All</td>
<td>04/25/2011 Added LoE-180™ as a standard option for all products. White painted interior finish option introduced for all products</td>
<td>Present</td>
</tr>
<tr>
<td>2012</td>
<td>All</td>
<td>12/17/2012 Clear interior finish option introduced for all products.</td>
<td>Present</td>
</tr>
<tr>
<td>2013</td>
<td>All</td>
<td>04/29/2013 Introduced interior stain options. Stain colors are Wheat, Honey, Leather, Hazelnut, Cabernet and Espresso.</td>
<td>Present</td>
</tr>
<tr>
<td>2016</td>
<td>All</td>
<td>10/31/2016 Obsolescence of the wood species Cedro Macho for all products.</td>
<td>Present</td>
</tr>
<tr>
<td>2017</td>
<td>All</td>
<td>10/30/2017 Energy panel colors discontinued with exception of bronze and stone white</td>
<td>Present</td>
</tr>
</tbody>
</table>
WOOD CASEMASTER BOW OR BAY

HEAD JAMB & SILL DETAIL

NOTE: Not to scale; specifications subject to change without notice.

1. Top Brick Mould Casing
2. Head Board
3. Head Jamb
4. Top Interior Trim
5. Sash Weather Strip
6. Head Jamb Weather Strip
7. Connecting Barb
8. Head Jamb Stop
9. Top Rail
10. Glazing Bead
11. Screen Mesh
12. Insulated Glass
13. Bottom Rail
14. Hardware Cover
15. Folding Crank Cover
16. Folding Crank Handle
17. Sill
18. Subsill
19. Sill Weather Strip
20. Bottom Interior Trim
21. Seat Board
22. Screen Frame
WOOD CASEMASTER BAY

PART IDENTIFICATION

JAMB DETAIL

NOTE: Not to scale; specifications subject to change without notice.

1. Side Brick Mould Casing
2. Frame Weather Strip
3. Screen Mesh
4. Sash Weather Strip
5. Interior Mull Trim
6. Connecting Barb
7. Stationary Side Stop
8. Insulated Glass
9. Stationary Jamb Bracket
10. Stationary Sash Blocks
11. Exterior Mull Casing
12. Mull Block
13. Stile
14. Glazing Bead
15. Screen Frame
16. Side Stop
17. Jamb
18. Return Jamb
WOOD CASEMASTER 90° BAY

PART IDENTIFICATION

WOOD CASEMASTER 90° BAY

JAMB DETAIL

NOTE: Not to scale; specifications subject to change without notice.

1. Side Flat Casing
2. Frame Weather Strip
3. Stile
4. Exterior Mull Casing
5. Jamb
6. Return Jamb
7. Screen Mesh
8. Interior Mull Trim
9. Stationary Side Stop
10. Stationary Jamb Bracket
11. Stationary Sash Block
12. Connecting Barb
13. Side Stop
14. Screen Frame
15. Insulated Glass
16. Glazing Bead
17. Sash Weather Strip
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Return Jamb
3. Side Brick Mould Casing
4. Side Stop
5. Exterior Mull Casing
6. Interior Mull Trim
7. Stationary Sash Block
8. Stationary Side Stop
9. Insulated Glass
10. Connecting Barb
11. Stile
12. Stationary Sash Bracket
13. Glazing Bead
14. Screen Frame
15. Screen Mesh
16. Sash Weather Strip
17. Frame Weather Strip
NOTE: Not to scale; specifications subject to change without notice.

1. Head Jamb Nailing Fin/Drip Cap
2. Head Jamb Cladding
3. Sash Weather Strip
4. Top Rail Cladding
5. Top Rail
6. Insulated Glass
7. Bottom Rail Cladding
8. Bottom Rail
9. Sill Cladding
10. Sill Nailing Fin
11. Frame Weather Strip
12. Sill
13. Connecting Barb
14. Seat Board
15. Bottom Interior Trim
16. Folding Crank Handle
17. Folding Crank Cover
18. Hardware Cover
19. Screen Mesh
20. Screen Frame
21. Head Jamb Stop
22. Head Jamb
23. Top Interior Trim
24. Head Board
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Sash Weather Strip
3. Side Stop
4. Insulated Glass
5. Stile Cladding
6. Mull Block
7. Mull Cap
8. Interior Mull Trim
9. Stationary Side Stop
10. Frame Weather Strip
11. Connecting Barb
12. Stationary Jamb Bracket
13. Stationary Sash Block
14. Jamb Cladding
15. Screen Frame
16. Screen Mesh
17. Return Jamb
18. Stile
19. Jamb Nailing Fin
NOTE: Not to scale; specifications subject to change without notice.

1. Return Jamb
2. Frame Weather Strip
3. Jamb
4. Interior Mull Trim
5. Stationary Side Stop
6. Stationary Sash Bracket
7. Connecting Barb
8. Stationary Sash Block
9. Stile Cladding
10. Jamb Cladding
11. Clad Frame Expander
12. Clad Mull Expander
13. 90 Degree Bay Corner Cover
14. Mull Block
15. Stile
16. Screen Frame
17. Screen Mesh
18. Insulated Glass
19. Sash Weather Strip
20. Jamb Nailing Fin
21. Side Stop
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb Nailing Fin
2. Jamb
3. Return Jamb
4. Side Stop
5. Stile Cladding
6. Mull Block
7. Interior Mull Trim
8. Stationary Sash Bracket
9. Clad Mull Cap
10. Side Stop
11. Stationary Sash Block
12. Stile
13. Connecting Barb
14. Insulated Glass
15. Screen Frame
16. Screen Mesh
17. Sash Weather Strip
18. Frame Weather Strip
19. Jamb Cladding
NOTE: Not to scale; specifications subject to change without notice.

1. Head Jamb Nailing Fin/Drip Cap
2. Head Jamb Cladding
3. Sash Weather Strip
4. Top Rail Cladding
5. Top Rail
6. Insulated Glass
7. Bottom Rail Cladding
8. Bottom Rail
9. Sill Cladding
10. Sill Nailing Fin
11. Frame Thermal Break
12. Frame Weather Strip
13. Sill
14. Connecting Barb
15. Bottom Interior Trim
16. Folding Crank Handle
17. Folding Crank Cover
18. Hardware Cover
19. Screen Mesh
20. Screen Frame
21. Head Jamb Stop
22. Head Jamb
23. Top Interior Trim
24. Head Board
25. Seat Board
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Sash Weather Strip
3. Side Stop
4. Insulated Glass
5. Stile Cladding
6. Mull Block
7. Mull Cap
8. Interior Mull Trim
9. Stationary Side Stop
10. Frame Weather Strip
11. Thermal Break
12. Stationary Jamb Bracket
13. Stationary Sash Block
14. Jamb Cladding
15. Screen Frame
16. Screen Mesh
17. Return Jamb
18. Stile
19. Jamb Nailing Fin
20. Sash Glazing Bead
NOTE: Not to scale; specifications subject to change without notice.

1. Return Jamb
2. Frame Weather Strip
3. Jamb
4. Interior Mull Trim
5. Stationary Side Stop
6. Stationary Sash Bracket
7. Frame Thermal Break
8. Stationary Sash Block
9. Stile Cladding
10. Jamb Cladding
11. Clad Frame Expander
12. Clad Mull Expander
13. 90 Degree Bay Corner Cover
14. Mull Block
15. Stile
16. Screen Frame
17. Screen Mesh
18. Side Stop
19. Insulated Glass
20. Sash Glazing Bead
21. Sash Weather Strip
22. Jamb Nailing Fin
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb Nailing Fin
2. Jamb
3. Return Jamb
4. Side Stop
5. Stile Cladding
6. Mull Block
7. Interior Mull Trim
8. Stationary Sash Bracket
9. Clad Mull Cap
10. Side Stop
11. Stationary Sash Block
12. Stile
13. Frame Thermal Break
14. Insulated Glass
15. Screen Frame
16. Screen Mesh
17. Sash Weather Strip
18. Frame Weather Strip
19. Jamb Nailing Fin
20. Jamb Cladding
NOTE: Not to scale; specifications subject to change without notice.

1. Head Jamb Nailing Fin/Drip Cap
2. Head Jamb Cladding
3. Sash Weather Strip
4. Top Rail Cladding
5. Top Rail
6. Insulated Glass
7. Bottom Rail Cladding
8. Bottom Rail
9. Sill Cladding
10. Sill Nailing Fin
11. Frame Thermal Break
12. Frame Weather Strip
13. Sill
14. Connecting Barb
15. Bottom Interior Trim
16. Sill Cover
17. Screen Mesh
18. Wood Screen Frame
19. Head Jamb Stop
20. Head Jamb
21. Top Interior Trim
22. Head Board
23. Seat Board
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Sash Weather Strip
3. Side Stop
4. Insulated Glass
5. Stile Cladding
6. Mull Block
7. Mull Cap
8. Interior Mull Trim
9. Stationary Side Stop
10. Frame Weather Strip
11. Thermal Break
12. Stationary Jamb Bracket
13. Stationary Sash Block
14. Jamb Cladding
15. Screen Frame
16. Screen Mesh
17. Return Jamb
18. Stile
19. Jamb Nailing Fin
20. Sash Glazing Bead
HEAD JAMBO & SILL DETAIL

NOTE: Not to scale; specifications subject to change without notice.

1. Return Jamb
2. Frame Weather Strip
3. Jamb
4. Interior Mull Trim
5. Stationary Side Stop
6. Stationary Sash Bracket
7. Frame Thermal Break
8. Stationary Sash Block
9. Stile Cladding
10. Jamb Cladding
11. Clad Frame Expander
12. Clad Mull Expander
13. 90 Degree Bay Corner Cover
14. Mull Block
15. Stile
16. Screen Frame
17. Screen Mesh
18. Jamb Stop
19. Insulated Glass
20. Sash Glazing Bead
21. Sash Weather Strip
22. Jamb Nailing Fin
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb Nailing Fin
2. Jamb
3. Return Jamb
4. Side Stop
5. Stile Cladding
6. Mull Block
7. Interior Mull Trim
8. Stationary Sash Bracket
9. Clad Mull Cap
10. Side Stop
11. Stationary Sash Block
12. Stile
13. Frame Thermal Break
14. Insulated Glass
15. Screen Frame
16. Screen Mesh
17. Sash Weather Strip
18. Frame Weather Strip
19. Jamb Nailing Fin
20. Jamb Cladding
NOTE: Not to scale; specifications subject to change without notice.

1. Head Jamb Brick Mould Casing
2. Frame Weather Strip
3. Head Jamb
4. Connecting Barb
5. Head Jamb Stop
6. Sash Weather Strip
7. Top Rail
8. Glazing Bead
9. Insulated Glass
10. Screen Frame
11. Screen Mesh
12. Bottom Rail
13. Hardware Cover
14. Folding Crank Handle
15. Folding Crank Cover
16. Subsill
17. Sill
18. Jamb Brick Mould Casing
19. Jamb
20. Jamb Stop
21. Stile
22. Headboard
23. Seatboard
NOTE: Not to scale; specifications subject to change without notice.

1. Side Brick Mould Casing
2. Frame Weather Strip
3. Screen Frame
4. Screen Mesh
5. Sash Weather Strip
6. Interior Mull Trim
7. Side Stop
8. Insulated Glass
9. Stationary Jamb Bracket
10. Stationary Sash Blocks
11. Exterior Mull Casing
12. Stile
13. Glazing Bead
14. Jamb
15. Return Jamb
16. Mull Block
NOTE: Not to scale; specifications subject to change without notice.

1. Side Flat Casing
2. Frame Weather Strip
3. Screen Frame
4. Screen Mesh
5. Sash Weather Strip
6. Interior Mull Trim
7. Side Stop
8. Insulated Glass
9. Stationary Jamb Bracket
10. Stationary Sash Blocks
11. Exterior Mull Casing
12. Stile
13. Glazing Bead
14. Jamb
15. Return Jamb
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Return Jamb
3. Side Brick Mould Casing
4. Side Stop
5. Exterior Mull Casing
6. Interior Mull Trim
7. Stationary Sash Block
8. Insulated Glass
9. Stile
10. Stationary Sash Bracket
11. Glazing Bead
12. Screen Frame
13. Screen Mesh
14. Sash Weather Strip
15. Frame Weather Strip
NOTE: Not to scale; specifications subject to change without notice.

1. Head Jamb Brick Mould Casing
2. Frame Weather Strip
3. Head Jamb
4. Connecting Barb
5. Head Jamb Stop
6. Sash Weather Strip
7. Top Rail
8. Glazing Bead
9. Insulated Glass
10. Screen Frame
11. Screen Mesh
12. Bottom Rail
13. Hardware Cover
14. Folding Crank Handle
15. Folding Crank Cover
16. Subsill
17. Sill
18. Jamb Brick Mould Casing
19. Jamb
20. Jamb Stop
21. Stile
22. Headboard
23. Seatboard
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Return Jamb
3. Side Brick Mould Casing
4. Jamb Stop
5. Exterior Mull Casing
6. Interior Mull Trim
7. Stationary Sash Block
8. Stationary Side Stop
9. Insulated Glass
10. Connecting Barb
11. Stile
12. Stationary Sash Bracket
13. Glazing Bead
14. Wood Screen Frame
15. Screen Mesh
16. Sash Weather Strip
17. Frame Weather Strip
NOTE: Not to scale; specifications subject to change without notice.

1. Side Flat Casing
2. Frame Weather Strip
3. Stile
4. Exterior Mull Casing
5. Jamb
6. Return Jamb
7. Screen Mesh
8. Interior Mull Trim
9. Stationary Side Stop
10. Stationary Jamb Bracket
11. Stationary Sash Bracket
12. Connecting Barb
13. Jamb Stop
14. Wood Screen Frame
15. Insulated Glass
16. Glazing Bead
17. Sash Weatherstrip
WOOD ULTIMATE PUSH OUT CASEMENT BOW

JAMB DETAIL

NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Return Jamb
3. Side Brick Mould Casing
4. Jamb Stop
5. Exterior Mull Casing
6. Interior Mull Trim
7. Stationary Sash Block
8. Stationary Side Stop
9. Insulated Glass
10. Connecting Barb
11. Stile
12. Stationary Sash Bracket
13. Glazing Bead
14. Wood Screen Frame
15. Screen Mesh
16. Sash Weather Strip
17. Frame Weather Strip
WOOD ULTIMATE DOUBLE HUNG BAY

1. Top Brick Mould Casing
2. Top Blind Stop
3. Tilt Latch
4. Parting Stop Weather Strip
5. Head Jamb
6. Head Board
7. Top Interior Trim
8. Parting Stop
9. Screen Frame
10. Screen Mesh
11. Glazing Bead
12. Top Rail
13. Sash Keeper
14. Sash Lock
15. Insulated Glass
16. Bottom Check Rail
17. Top Check Rail
18. Check Rail Weather Strip
19. Bottom Rail
20. Bottom Rail Weather Strip
21. Sill Liner
22. Bottom Interior Trim
23. Subsill
24. Sill
25. Seat Board
26. End Plate
27. Locking Blade
28. Extension Spring
29. Operation Cord
30. Pull Yoke

NOTE: Not to scale; specifications subject to change without notice.
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Slide Brick Mould Casing
3. Insulated Glass
4. Return Jamb
5. Jamb Liner
6. Exterior Mull Casing
7. Picture Jamb Liner
8. Interior Stop
9. Exterior Filler
10. Exterior Filler Weather Strip
11. Exterior Blindstop
12. Vinyl Retainer
13. Interior Mull Trim
14. Screen Frame
15. Screen Mesh
16. Glazing Bead
17. Stile
18. Vinyl Jamb Carrier
NOTE: Not to scale; specifications subject to change without notice.

1. Head Jamb Cladding
2. Head Jamb Nailing Fin/Drip Cap
3. Head Jamb
4. Tilt Latch
5. Head Board
6. Top Interior Trim
7. Parting Stop
8. Parting Stop Weather Strip
9. Screen Frame
10. Top Rail Cladding
11. Sash Cladding Clip
12. Top Rail
13. Screen Mesh
14. Insulated Glass
15. Sash Keeper
16. Sash Lock
17. Bottom Checkrail Cladding Connection
18. Bottom Checkrail
19. Bottom Checkrail
20. Top Checkrail
21. Top Checkrail Cladding
22. Top Checkrail Weather Strip
23. Bottom Checkrail Cladding
24. Bottom Rail
25. Bottom Rail Cladding
26. Sill Cover
27. Bottom Rail Weather Strip
28. Sill Liner
29. Bottom Interior Trim
30. Sill Cladding
31. Sill Nailing Fin
32. Sill
33. Seat Board
34. End Plate
35. Locking Blade
36. Extension Spring
37. Operation Cord
38. Pull Yolk
NOTE: Not to scale; specifications subject to change without notice.

1. Jamb
2. Sash Cladding Connector
3. Stile Cladding
4. Clad Mull Cap
5. Return Jamb
6. Frame Weather Strip
7. Stile
8. Jamb Liner
9. Interior Sash Stop
10. Vinyl Retainer
11. Jamb Cladding
12. Jamb Block
13. Jamb Filler Cladding
14. Sash Weather Strip
15. Mull Block
16. Connecting Barb
17. Interior Mull Trim
18. Vinyl Jamb Carrier
19. Insulated Glass
20. Screen Frame
21. Screen Mesh
22. Contact Strip
23. Jamb Nailing Fin
NOTE: Not to scale; specifications subject to change without notice.
REPLACEMENT PARTS FOR BOWS AND BAYS

Wood and Clad Ultimate Double Hung, Ultimate Casement and Casemaster Bows or Bays utilize many of the parts found in their respective sections of the Parts Manual. Please refer to these for additional information.

REPLACEMENT ALUMINUM BOW AND BAY PARTS

When ordering replacement aluminum parts specify:
1. profile number;
2. finish.

NOTE: Most replacement aluminum parts are supplied in 168” (4267) or 150” (3810) lengths. See Misc Mouldings Chapter for part numbers.

<table>
<thead>
<tr>
<th>Part Description</th>
<th>CLAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mull Cap – Bow</td>
<td>A124</td>
</tr>
<tr>
<td>Mull Cap – 30° Bays</td>
<td>A122</td>
</tr>
<tr>
<td>Mull Cap – 45° Bays</td>
<td>A123</td>
</tr>
<tr>
<td>Corner Cover – 90° Bays</td>
<td>A127</td>
</tr>
<tr>
<td>3” Frame Expander</td>
<td>A109</td>
</tr>
<tr>
<td>2” Mullion Expander</td>
<td>A108</td>
</tr>
</tbody>
</table>

A124 – Mull Cap Bow
A122 – Mull Cap 30° Bays
A123 – Mull Cap 45° Bays
A127 – Corner Cover 90° Bays
A108 – 2” Mullion Expander
A109 – 3” Frame Expander
CURRENT REPLACEMENT BOW AND BAY WOOD PARTS
For Clad and Wood Ultimate Double Hung (UDH), Ultimate Casement (UCA) and Casemaster (CM)

<table>
<thead>
<tr>
<th>CLAD</th>
<th>WOOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior Trim – UCA/CM Bow/Bay (top or bottom) UDH Bay (bottom)</td>
<td>W6110 W6110</td>
</tr>
<tr>
<td>Interior Trim – UDH Bay (top)</td>
<td>W1181 W1181</td>
</tr>
<tr>
<td>Interior Mull Trim – UCA/CM Bow &amp; Clad UDH</td>
<td>W1189 W1189</td>
</tr>
<tr>
<td>Interior Mull Trim – 30 degree UCA/CM Bay</td>
<td>W1185 W1185</td>
</tr>
<tr>
<td>Interior Mull Trim – 45 degree UCA/CM Bay</td>
<td>W1187 W1187</td>
</tr>
<tr>
<td>Interior Mull Trim – 60 degree UCA/CM Bay</td>
<td>W1176 – W1176</td>
</tr>
<tr>
<td>Interior Mull Trim – 90 degree UCA/CM Bay</td>
<td>W1179 W1179</td>
</tr>
<tr>
<td>Interior Mull Trim – 30 degree UDH Bay</td>
<td>W1182 W1182</td>
</tr>
<tr>
<td>Interior Mull Trim – 45 degree UDH Bay</td>
<td>W1184 – W1184</td>
</tr>
<tr>
<td>Interior Mull Trim – 60 degree UDH Bay</td>
<td>W1177 – W1177</td>
</tr>
<tr>
<td>Exterior Mull Casing – UCA/CM Bow</td>
<td>W1132 – W1132</td>
</tr>
<tr>
<td>Exterior Mull Casing – 30° UCA/CM Bay</td>
<td>W1102 – W1102</td>
</tr>
<tr>
<td>Exterior Mull Casing – 45° UCA/CM Bay</td>
<td>W1104 – W1104</td>
</tr>
<tr>
<td>Exterior Mull Casing – 60° UCA/CM Bay</td>
<td>W1106 – W1106</td>
</tr>
<tr>
<td>Exterior Mull Casing – 90° UCA/CM Bay</td>
<td>W1108 – W1108</td>
</tr>
<tr>
<td>Exterior Mull Casing – 30° UDH Bay</td>
<td>W1110 – W1110</td>
</tr>
<tr>
<td>Exterior Mull Casing – 45° UDH Bay</td>
<td>W1112 – W1112</td>
</tr>
<tr>
<td>Exterior Mull Casing – 60° UDH Bay</td>
<td>W1114 – W1114</td>
</tr>
<tr>
<td>Exterior Mull Casing – 90° UDH Bay</td>
<td>W1116 – W1116</td>
</tr>
<tr>
<td>Mull Block – Clad UCA/CM Bow</td>
<td>W7318 – W7318</td>
</tr>
<tr>
<td>Mull Block – 30° Clad Bays</td>
<td>W7308 – W7308</td>
</tr>
<tr>
<td>Mull Block – 45° Clad Bays</td>
<td>W7310 – W7310</td>
</tr>
</tbody>
</table>

NOTE: Some interior mull trims notched for cable as shown.

TO ORDER REPLACEMENT WOOD PARTS
When ordering replacement wood parts specify:
1. profile number;
2. size – (call number or length);
3. finish.

NOTE: Wood bay exterior mull casing is shipped as an assembled pair.
TO ORDER REPLACEMENT HEAD OR SEAT BOARDS

NOTE: REPLACEMENT HEAD AND SEAT BOARD MATERIAL IS RECTANGULAR IN SHAPE. For assistance in determining size required contact Marvin Technical Support with the unit type and finish (bow/bay, clad/wood), angle (30/45/90, etc), unit size, projection and jamb depth.

PLYWOOD CORE/NON FINGER-JOINTED PINE VENEER HEAD AND SEAT BOARD AVAILABILITY CHART

NOTE: Part Number is for one board only – must order two if needed for head and seat board.

<table>
<thead>
<tr>
<th>Stock Size</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 x 72</td>
<td>18218202</td>
</tr>
<tr>
<td>16 x 96</td>
<td>18218204</td>
</tr>
<tr>
<td>16 x 108</td>
<td>18218206</td>
</tr>
<tr>
<td>18 x 72</td>
<td>18218402</td>
</tr>
<tr>
<td>18 x 84</td>
<td>18218404</td>
</tr>
<tr>
<td>18 x 108</td>
<td>18218406</td>
</tr>
<tr>
<td>20 x 84</td>
<td>18218602</td>
</tr>
<tr>
<td>20 x 96</td>
<td>18218604</td>
</tr>
<tr>
<td>20 x 108</td>
<td>18218606</td>
</tr>
<tr>
<td>20 x 120</td>
<td>18218608</td>
</tr>
<tr>
<td>22 x 72</td>
<td>18218702</td>
</tr>
<tr>
<td>22 x 84</td>
<td>18218704</td>
</tr>
<tr>
<td>22 x 96</td>
<td>18218706</td>
</tr>
<tr>
<td>22 x 108</td>
<td>18218708</td>
</tr>
<tr>
<td>22 x 132</td>
<td>18218710</td>
</tr>
<tr>
<td>24 x 72</td>
<td>18218902</td>
</tr>
<tr>
<td>24 x 84</td>
<td>18218904</td>
</tr>
<tr>
<td>24 x 96</td>
<td>18218906</td>
</tr>
<tr>
<td>24 x 120</td>
<td>18218910</td>
</tr>
<tr>
<td>24 x 132</td>
<td>18218912</td>
</tr>
<tr>
<td>24 x 144</td>
<td>18218914</td>
</tr>
<tr>
<td>26 x 84</td>
<td>18219002</td>
</tr>
<tr>
<td>26 x 108</td>
<td>18219004</td>
</tr>
<tr>
<td>27 x 120</td>
<td>18219104</td>
</tr>
<tr>
<td>28 x 96</td>
<td>18219202</td>
</tr>
<tr>
<td>28 x 108</td>
<td>18219204</td>
</tr>
<tr>
<td>30 x 108</td>
<td>18219302</td>
</tr>
<tr>
<td>30 x 132</td>
<td>18219304</td>
</tr>
<tr>
<td>30 x 144</td>
<td>18219306</td>
</tr>
<tr>
<td>42 x 168</td>
<td>18219510</td>
</tr>
</tbody>
</table>
# Cable Support System – Field Installation Kit

*Includes:*
- 2 – Cable clamps 1/4″ x 3 1/8″ (zinc die-cast) (a)
- 4 – Heavy-shank mounting screws #12 x 3″ (b)
- 1 – #3 Phillips drive bit (c)
- 2 – Adjustment hole plugs (d)
- 2 – Cable assemblies – 9’ or 12’ x 1/8″ diameter (e)
- 2 – Fender washers – 0.25″ x 0.265″ x 0.06″ (f)
- 2 – T-nuts, 3 prong 5/16” – 18” x 3/8” (g)
- 4 – Heavy hex nuts 1/4″ – 28″ (h)
- 2 – Installation Plates (10500560) (UDH units only) (i)
- 4 – #7 x 7/8” screws (11800778) (UDH units only) (j)

<table>
<thead>
<tr>
<th>OPER./ COLOR</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9' CM</td>
<td>11850134</td>
</tr>
<tr>
<td>12' CM</td>
<td>11850135</td>
</tr>
<tr>
<td>9' UDH</td>
<td>11850136</td>
</tr>
<tr>
<td>12' UDH</td>
<td>11850137</td>
</tr>
</tbody>
</table>

# Bow/Bay Installation Plate Package

*(UDH only)*

*Includes:*
- 2 – Installation plates (10500560) (i)
- 4 – #7 x 7/8” screws (11800778) (j)

<table>
<thead>
<tr>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>11850133</td>
</tr>
</tbody>
</table>
OBSELETE SUN BAY PARTS

When ordering obsolete Sun Bay parts specify:
1. part number;
2. description.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>OPER./COLOR</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10929102</td>
<td>Butt Hinge, Stainless Steel</td>
<td>LH</td>
<td>10929103</td>
</tr>
<tr>
<td>L929103</td>
<td></td>
<td>RH</td>
<td></td>
</tr>
<tr>
<td>11800777</td>
<td>include:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - SS hinge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 - SS #7x7/8 Phillips head wood screws</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 - 8-32x5/8 Phillips head machine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>screws (05080233) and T-nuts (05080234)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOTE: Handing on butt hinges are viewed from the</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>interior. Example – if your Sun Bay sash is</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>on the right hand side of the unit, it</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>requires a right hand hinge.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10820008</td>
<td>Foam Pad, Butt Hinge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No longer available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11800773</td>
<td>Sash Hook</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10820008</td>
<td>Sash Hook</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Include:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - Sash hook</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 - #7HD – #8x1” Phillips flathead wood screws</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(11800773)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**OBsolete REPLACEMENT WOOD Parts**

<table>
<thead>
<tr>
<th>Glazing Stop – Head Jamb</th>
<th>W7054</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glazing Stop – Top Mull</td>
<td>W7056</td>
</tr>
<tr>
<td>Glazing Stop – Bottom Mull</td>
<td>W7058</td>
</tr>
<tr>
<td>Glazing Stop – Sloped Top (1&quot; IG)</td>
<td>W4094</td>
</tr>
<tr>
<td>Glazing Stop – Front (3/16&quot; Single Glaze)</td>
<td>W4098</td>
</tr>
<tr>
<td>Screen Channel</td>
<td>W7028</td>
</tr>
<tr>
<td>Hardware Cover</td>
<td>W7064</td>
</tr>
<tr>
<td>Hardware Cover Filler</td>
<td>W7041</td>
</tr>
<tr>
<td>Mull Casing (top and front)</td>
<td>W6152</td>
</tr>
</tbody>
</table>

When ordering replacement wood parts specify:
1. profile number;
2. call number or rough opening;
3. length;
4. finish.

**OBsolete Sash Replacement**

Sun Bays featured a direct glazed front and sloped top. Sun Bays sides were in-sash and are replaceable based on standard size in the chart below.

<table>
<thead>
<tr>
<th>Call Number</th>
<th>OM of Sash</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN 1640</td>
<td>14 5/16” width x 28 7/16” (short side) x 36 11/16” (long side)</td>
</tr>
</tbody>
</table>

When ordering replacement Sun Bays sash specify:
1. call number;
2. glazing;
3. finish;
4. handling (left or right as viewed from the exterior).
OBSOLETE SUN BAY WEATHER STRIP

When ordering replacement weather strip specify:
1. quantity;
2. color;
3. part number;
4. description.

<table>
<thead>
<tr>
<th>ILLUSTRATION NOT TO SCALE</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Frame Weather Strip</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>V101</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Used between 1983 – 1992</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Color: White</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No longer available</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Replaced with:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>V673 – Top Casing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>V191 – Sash</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>V192 – Head Jamb, Jamb and Sill</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Top Casing Weather Strip</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>V673</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Used between 1992 – 1994</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Color: Beige</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Replacement for V101.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>84” (2134)</td>
<td>15899984</td>
<td></td>
</tr>
<tr>
<td></td>
<td>144” (3658)</td>
<td>15899999</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Sash Weather Strip</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>V191</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Used between 1992 – 1994</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Color: Beige</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No longer available</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150” (3810)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Head Jamb, Jamb and Sill Weather Strip</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>V192</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Used between 1992 – 1994</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Color: Beige</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>84” (2134)</td>
<td>15900058</td>
<td></td>
</tr>
</tbody>
</table>
ORDERING REPLACEMENT SCREENS FOR SUN BAYS

Sun Bay side vent screens are available with aluminum surround and charcoal colored fiberglass 18 x 16 screen mesh. Aluminum mesh is available as an option in black, charcoal, bright aluminum or bright bronze. Surrounds are available in bronze or white.

When ordering replacement screen specify:
1. handing (left or right as viewed from the exterior)
2. color;
3. mesh type (if other than standard).

NOTE: Dimensions shown are OM of screen.

<table>
<thead>
<tr>
<th>ILLUSTRATION</th>
<th>DESCRIPTION</th>
<th>OPER./COLO R</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Leaf Spring M0104</td>
<td></td>
<td>11868835</td>
</tr>
<tr>
<td></td>
<td>Finger Pull, Clear</td>
<td></td>
<td>11860350</td>
</tr>
<tr>
<td>V254 Replaces colored finger pull</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ORDERING REPLACEMENT ENERGY PANELS FOR SUN BAYS

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Energy panels are available for Sun Bay side vents or front stationary panel with bronze or stone white, surrounds.

When ordering energy panels specify:

1. size;
   a. front EP – if there is no existing EP from which to obtain the OM (of the front panel), determine the size of the panel based on the chart below.
   b. side panel – specify handing (left or right as viewed from the exterior).
2. color of surround;
3. glass type.

### Sun Bay Front Stationary Energy Panel

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE</td>
<td>OM WIDTH</td>
</tr>
<tr>
<td>WSBAY 40</td>
<td>40 13/16”</td>
</tr>
<tr>
<td>WSBAY 48</td>
<td>48 13/16”</td>
</tr>
<tr>
<td>WSBAY 56</td>
<td>56 13/16”</td>
</tr>
<tr>
<td>WSBAY 64</td>
<td>64 13/16”</td>
</tr>
<tr>
<td>WSBAY 72</td>
<td>72 13/16”</td>
</tr>
</tbody>
</table>

### OBSOLETE SUN BAY ENERGY PANEL PARTS

Energy panels are attached with turn buttons. Turn button styles may vary depending on current stock. You will receive the most current style in the color of your choice. (Obsolete black turn buttons will be replaced by brown.)

When ordering energy panels parts specify:

1. quantity;
2. description;
3. color;
4. part number.