

CHAPTER 2

CASEMASTER, AWNING, FRENCH CASEMASTER, VENTING PICTURE

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NOTICE: Marvin Windows and Doors discontinued the sale of Casemaster products on June 28, 2010. Marvin will continue to provide full support with a complete line of hardware, wood parts, replacement sash and glass, as specified by the Marvin warranty.

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PRODUCED	UNIT TYPE	FEATURES OR CHANGES	DISCONTINUED
1957	Wood Casement	Wood casement first appeared in catalogs as early as 1957. They featured outboard hinges, a sloped sill, Detroit roto-gear hardware and cam latches. Units were sold set-up and ready for installation, with brick mould casing, drip cap and a wide reversible blind stop. Available with single glaze or insulating glass. Wooden roto-gear cover was routed for single arm operator. Gold toned aluminum screen surround with green aluminum screen mesh was standard.	1979
1968	Wood Casemaster	Casemaster introduced featuring concealed hinges and flat sill. The flat sill was designed to make mulling in multiple units easy. Utilized a Truth single arm operator.	Present 1982
1978	Marv-A-Gard Casemaster	Introduced aluminum clad Casemaster. Rolled form sash used with extruded frame. (The term Marv-A-Gard was discontinued in 1986.) Single glaze and ADL units used Polycron sash.	1986
1982	Casemaster	Dual arm hardware introduced in February on the wood Casemaster line. Clad Casemaster began using dual arm hardware in May of the same year. Low profile sash lock introduced. As a result of the hardware change, changes were also made in screen sizes and the screen channel.	Present 1994 Clad 1993 Wood 1994
1985	Wood Casemaster Marv-A-Gard Casemaster	Butterfly clip on hinge support arm was replaced with a built-in tension spring. Egress hardware introduced.	Present
1985	Wood Casemaster Marv-A-Gard Casemaster	New stationary brackets introduced to replace former male and female clips for securing the sash in the frame.	Present
1986	Wood Casemaster Clad Casemaster	Changed insulating glass ADL munt profile.	Clad 1993 Wood Present
1986	Wood Casemaster Clad Casemaster	Standard 3/4" glass replaced 1/2" insulating glass units.	Present
1987	Clad Casemaster	Change from rolled to an extruded aluminum sash. 1 3/4" view sash offered with aluminum extrusion. 2 1/2" rolled form sash available for replacement only. Polycron finish available for single glaze. Polycron finish available for ADL.	Present Present 1991 1988 1993
1987	Clad Casemaster	Change in frame and sash weather strip profile. Leaf type weather strip top rail, beige bulb type introduced for head jamb, side jambs and sill.	Clad 1993
1988	Clad Casemaster	Single glazed 1 lite clad Casemaster available with extruded aluminum sash.	1995
1989	Wood Casemaster Clad Casemaster	Marvin electric operator changed to Wintrol electric operator.	1993
1990	Wood Casemaster Clad Casemaster	Single arm operator with LEXAN cover introduced for Casemaster special shapes.	Present
1992	Wood French Casemaster	Introduced in March.	Present
1992	Wood Casemaster	Weather strip profiles upgraded. Simulated divided lite option introduced. Concealed snubber introduced.	1994 Present Present
1992	Clad Casemaster	Weather strip profiles upgraded. Concealed snubber introduced.	Mid-1993 Present

PRODUCED	UNIT TYPE	FEATURES OR CHANGES	DISCONTINUED
1992	Wood Casemaster Clad Casemaster	Changed from non-handed brass to handed brass locks.	1994
1992	Wood Casemaster Clad Casemaster	CN 28 series width changed to a modified hinge.	Present
1993	Clad Casemaster	Frame parts changed from 6/4 to 5/4 material. Change in frame weather strip. Introduced clad glazing cap and glazing bead and vinyl nailing fin/drip cap. Simulated divided lite option introduced. Introduced factory installed clad brick mould casing.	Present
		Change in screen size and screen finger pulls from black to clear	1994
1993	Wood Casemaster Clad Casemaster	Changed from Wintrol motor drive to Truth.	Present
1994	Wood Casemaster	Frame parts changed from 6/4 to 5/4 material. Sequential locking system introduced. Leaf spring/finger pull changed to bayonet fasteners. Change in frame weather strip. 2 1/2" sash replaced with 1 3/4" – 1" glazed sash.	Present
1994	Wood Casemaster Clad Casemaster French Casemaster	Curved handle and cover introduced.	Present
1994	Clad Casemaster	Sequential locking system introduced. Leaf spring/finger pull changed to bayonet fasteners. Change in screen size.	Present
1995	Wood Casemaster Clad Casemaster	Screen surround color changed from Dark Bronze to 03 Bronze.	Present
1997	Wood Casemaster Clad Casemaster French Casemaster	Changed Truth hardware coating from Yellow Zinc Dichromate (YZD) to E-Gard for standard hardware. Locking hardware on French Casemaster remains YZD.	Present
1999	Clad French Casemaster	7/99 Added Clad French Casemaster utilizes common parts with Clad Casemaster. Single arm roto-gears used up to CN 48. Dual arm roto-gears used from CN 48.	Present
1999	Wood French Casemaster	7/99 Redesigned Wood French Casemaster to standardize part profiles with Wood Casemaster and Clad French Casemaster. Single arm roto-gears used up to CN 48. Dual arm roto-gears used from CN 48.	Present
2002	Wood and Clad French Casemaster	11/2002 Coastal Hardware option discontinued for French Casemaster.	Present
2002	Clad Casemaster Clad French Casemaster	3/02 Stone White becomes a standard color. Arctic White transitions to a select color.	Present
2003	Wood and Clad Casemaster Wood and Clad French Casemaster	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. Clad 1" picture units daylight opening change.	Present
2003	Wood and Clad Casemaster Wood and Clad French Casemaster	4/14/03 Newly designed Satin Taupe (TP) folding handle is standard.	Present
2003	Clad Casemaster	5/03 Changes Clad Casemaster tripane from 7.0 spacer to 8.0 spacer.	Present
2004	Wood and Clad Casemaster	1/04 Added Oil Rubbed Bronze and Satin Chrome to available finishes.	Present
2004	Wood and Clad Casemaster Wood and Clad French Casemaster	6/14/04 Satin Nickel hardware introduced as a standard option. Polished Chrome hardware discontinued.	Present

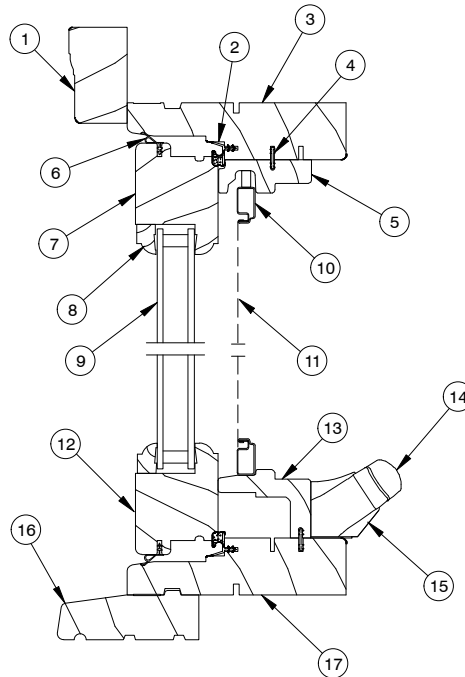
PRODUCED	UNIT TYPE	FEATURES OR CHANGES	DISCONTINUED
2004	Wood Casemaster Clad Casemaster	6/14/04 An improved Sentry II WLS motor drive system replaces the current LCII Power Drive system.	Present
2004	Wood Casemaster	9/13/2004 Reduced the overall width of the WCM operator, stationary, and awning stiles by .047 inches.	Present
2005	Wood and Clad French Casemaster	9/12/05 Released new Siegenia hardware for the rectangle French Casemaster units only. Hardware cover handle placement changed and primary astragal profile changed from W3138 to W9011.	Present
2006	Clad Casemaster Venting Picture	5/2006 Introduced the venting option to the Casemaster and Awning product lines.	Present
2006	Wood and Clad Casemaster Wood and Clad French Casemaster	6/2006 W7018 (Stationary Sill Cover) is replaced with W8723 for CCM and WCM stationary and picture units. WFCM, CFCM, and WFCM RT stationary units will now use W8459 for both operator and stationary covers. W7048 (wood support block) will be used on FCM stationary units only.	Present
2007	Wood and Clad French Casemaster	9/2007 Dimensions for French Casemaster standard strike change slightly. Part numbers do not change.	Present
2008	Wood and Clad Round Top French Casemaster	1/09/2008 Released Siegenia hardware for the Round Top French Casemaster	Present
2008	Wood and Clad Casemaster Wood and Clad Awning Wood and Clad French Casemaster	6/02/2008 Introduced charcoal colored high transparency screen mesh (CH HI-TRAN). This will be standard on Casemaster/Awning/French Casemaster wood screens. It will be an option on aluminum screens.	Present
2008	Clad Casemaster Clad Awning Clad French Casemaster	7/28/2008 Mixed grain Douglas Fir is now a standard option.	Present
2009	All	3/23/2009 Added LoE ³ -366™ as a standard option for all products. Added Cedro Macho as a standard option for all clad products.	Present

PRODUCED	UNIT TYPE	FEATURES OR CHANGES	DISCONTINUED
Early 1950s	Swinglite Stack & Strip	Unit featured 4 7/8" jambs, 1/2" insulating glass, roto-gear operator and wood surround with green mesh screen. The Swinglite was used in awning applications only.	1956
1955	Universal Stack & Strip	Unit featured 4 7/8" jambs, 1/2" insulating glass, roto-gear or friction operator and wood surround with green mesh screen. The Universal unit could be used in awning, casement and hopper applications.	1960
1957	Universal Stack & Strip	Introduced gold tone aluminum surround with green mesh screen. Optional lever lock available.	1978 1993
1960	Stack & Strip	Lever lock became standard, roto-gear and friction operator optional. Universal name was dropped during the 1960s.	1993
Early 1960s	Marview	Unit featured 4 7/8" jambs, single glaze with or without energy panel, 2 or 3 point lever lock operator and gold tone surround with green mesh screen. The 2 high unit featured a configuration of two sash with a center mullion in one frame (stationary top sash and operating bottom sash). NOTE: The three point lever lock utilized a one point center and two side arms.	1974
1971	Stack & Strip	View units introduced, available direct glazed or in-sash. Direct glaze view units. In-sash view units.	1979 1993
1978	Stack & Strip	Changed from aluminum to standard fiberglass screen mesh. Screen surround available in bronze, white, pebble gray and brown.	1993
1979	Stack & Strip	Change in roto-gear operator allowed use of Casemaster cover and crank handle.	1993
1981	Marv-A-Gard Awning	Introduced aluminum clad Awning. Rolled form sash used with extruded frame. (The term Marv-A-Gard was discontinued in 1986). Single glaze and ADL used Polycron sash.	1986
1982	Stack & Strip	Introduced five position (adjustable) lever lock operator.	1993
1985	Marv-A-Gard Awning	New stationary brackets introduced to replace former male and female clips for securing the sash in the frame.	Present
1986	Clad Awning	Standard 3/4" glass replaced 1/2" insulating glass. Changed insulating glass ADL munt profile.	Present 1993
	Stack & Strip	Standard 3/4" glass replaced 1/2" insulating glass units. Changed insulating glass ADL munt profile.	1993
1987	Clad Awning	Change from rolled to an extruded aluminum sash. 1 3/4" view sash offered with aluminum extrusion. 2 1/2" rolled form sash available for replacement only. Polycron finish available for single glaze. Polycron finish available for ADL. Change in frame and sash weather strip profile. Leaf type weather strip top rail, beige bulb type introduced for head jamb, side jambs and sill. May 18, 1987: Grille sizes changed. Change in screen sizes. Height changed to match clad Casemaster line in October. October 20, 1987: Screen channel utilized for securing the screen frame in the unit. Change in screen sizes. December 22, 1987: Removal of screen channel, screen recessed into the header. Change in screen sizes.	Present 1991 1988 1993 October 19, 1987 Present December 21, 1987 1994
	Stack & Strip	Epoxy coated hinge arm assemblies introduced.	1989
	Wood Awning	Introduced in August.	Present

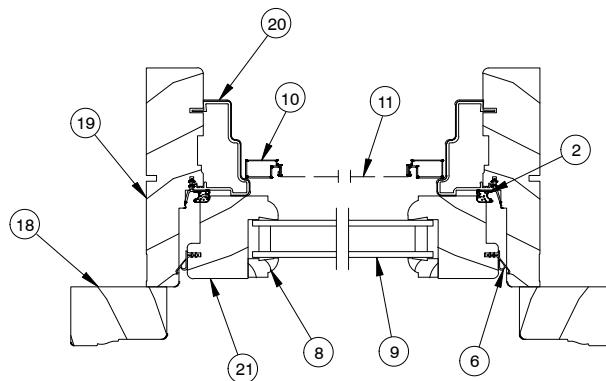
PRODUCED	UNIT TYPE	FEATURES OR CHANGES	DISCONTINUED
1987		August 24, 1987: Wood awning units utilized a screen channel for securing screen in the frame. Change in screen sizes. December 22, 1987: Removal of the screen channel, screen recessed into the header. Change in screen sizes.	December 21, 1987 1993
1988	Wood Awning Clad Awning	Pivot shoe hardware discontinued August. Awning 32" and wider utilize a two-point pull roto-gear.	1993
1988	Clad Awning	Single glazed 1 lite clad Awning available with extruded aluminum sash.	1995
1988	Wood Awning Clad Awning	In August began to install two cam locks (1 per jamb) on units with CN 36 height or width and over.	February 1994 January 1994
1989	Wood Awning Clad Awning	29 new sizes added. Epoxy hardware discontinued and replaced by stainless steel.	Present
1989	Wood Awning Clad Awning	Head jamb filler implemented on stationary units. Hardware cover profile change.	1994
1989	Wood Awning Clad Awning	Marvin electric operator changed to Wintrol electric operator.	1993
1992	Wood Awning	Simulated divided lite option introduced.	Present
1992	Wood Awning Clad Awning	Weather strip profiles upgraded. Snubber change. Cam locks standard on all awning units. Lever operators and brass hardware options introduced. Change brass sash lock from non-handed to handed.	1994
1993	Clad Awning	Frame parts changed from 6/4 to 5/4 material. Change in screen sizes and screen finger pulls from black to clear. Introduced new aluminum glazing cap and vinyl bead. Change in frame weather strip. Simulated divided lite option introduced. Discontinued Flexacron sash in clad frames.	Present 1994 2003 Present Present
1993	Wood Awning Clad Awning	Introduced a roto-gear operator allowing removable cover. Flip handle introduced. Introduced factory installed clad brick mould casing.	Present 2003
1994	Wood Awning	Frame parts changed from 6/4 to 5/4 material. Sequential locking system introduced. Screen mounting hardware changed from leaf spring/finger pulls to bayonet fasteners. Change in frame weather strip. Change in screen sizes. 2 1/2" sash replaced with 1 3/4" - 1" glazed sash. Curved crank handle with cover introduced.	Present
1994	Clad Awning	Sequential locking system introduced. Screen mounting hardware changed from leaf spring/finger pulls to bayonet fasteners. Curved crank handle with cover introduced. Change in screen sizes.	Present 2003
1994	Wood Awning Clad Awning	PowerDrive introduced.	Present
1995	Wood Awning Clad Awning	Screen surround color changed from Dark Bronze to 03 Bronze.	Present
1997	Wood Awning Clad Awning	Changed Truth hardware coating form Yellow Zinc Dichromate (YZD) to E-Gard for standard hardware.	Present
2002	Clad Awning	3/02 Stone White becomes a standard color. Arctic White transitions to a select color.	Present
2003	Wood Awning Clad Awning	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. Clad 1" picture units daylight opening change. 4/14/03 Newly designed Satin Taupe (TP) folding handle is standard.	Present
2004	Wood Awning Clad Awning	1/04 Added Oil Rubbed Bronze and Satin Chrome to available hardware finishes.	Present
2004	Wood Awning Clad Awning	6/14/04 Satin Nickel hardware introduced as a standard option. Polished Chrome hardware discontinued. An improved Sentry II WLS motor drive system replaces the current LC II PowerDrive System.	Present
2004	Wood Awning	9/13/04 Reduced the overall width of the Awning stiles by .047 inches.	Present

**WOOD CASEMASTER/AWNING
 OPERATOR**

**HEAD JAMB
 & SILL DETAIL**



**JAMB
 DETAIL**

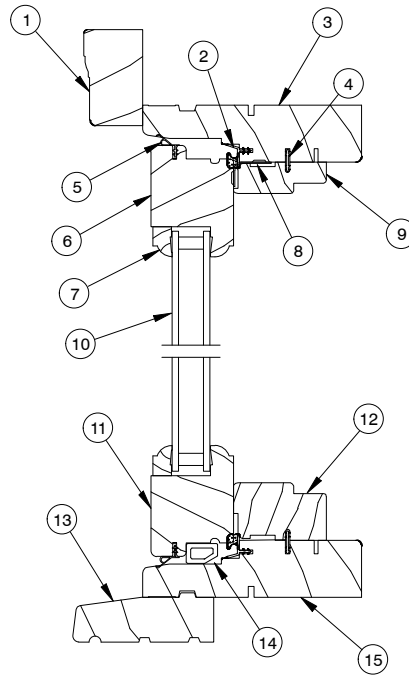


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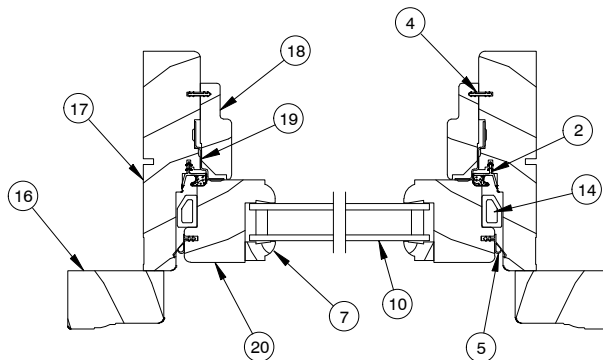
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|---------------------------------|---------------------------|---------------------------------------|
| 1. Head Jamb Brick Mould Casing | 9. Insulated Glass | 17. Sill |
| 2. Frame Weather Strip, V138 | 10. Screen Frame | 18. Jamb Brick Moulding Casing, W1047 |
| 3. Head Jamb | 11. Screen Mesh | 19. Jamb |
| 4. Connecting Barb, V803 | 12. Bottom Rail | 20. Jamb Stop, V1162 |
| 5. Head Jamb Stop, W8461 | 13. Hardware Cover, W8459 | 21. Stile |
| 6. Sash Weather Strip, V195 | 14. Folding Crank Handle | |
| 7. Top Rail | 15. Folding Crank Cover | |
| 8. Glazing Bead, W4009 | 16. Subsill, W2197 | |

**WOOD CASEMASTER/AWNING
 STATIONARY**

**HEAD JAMB
 & SILL DETAIL**

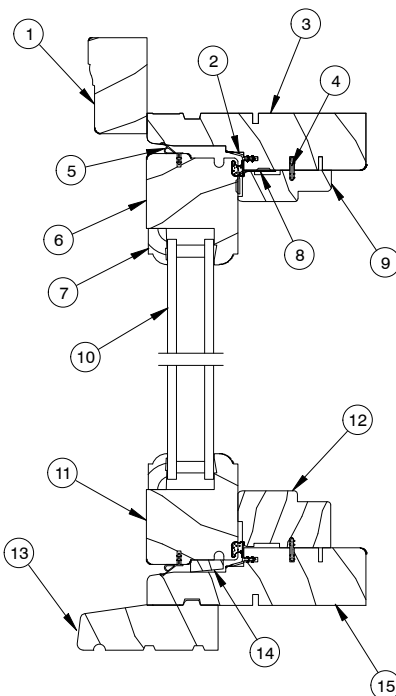
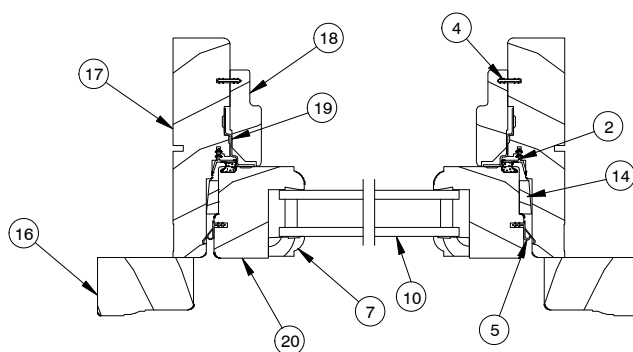


**JAMB
 DETAIL**



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

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|--|---------------------------------|------------------------------------|
| 1. Head Jamb Brick Mould Casing, W1047 | 9. Head Jamb Stop, W7001 | 16. Jamb Brick Mould Casing, W1047 |
| 2. Frame Weather Strip, V138 | 10. Insulated Glass | 17. Jamb |
| 3. Head Jamb | 11. Bottom Rail | 18. Jamb Stop, W7015 |
| 4. Connecting Barb, V803 | 12. Sill Stop, W8723 | 19. Jamb Stationary Bracket |
| 5. Sash Weather Strip, V195 | 13. Subsill, W2197 | 20. Stile |
| 6. Top Rail | 14. Sash Centering Block, V1289 | |
| 7. Glazing Bead, W4009 | 15. Sill | |
| 8. Head Jamb/Sill Stationary Bracket | | |

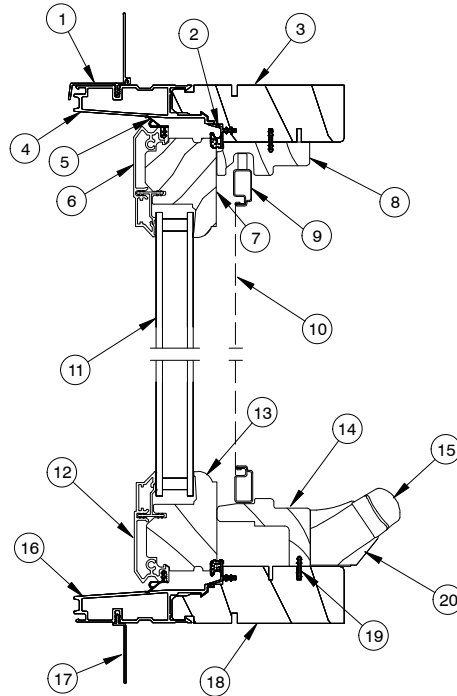
**WOOD CASEMASTER/AWNING
1" PICTURE UNIT****HEAD JAMB
& SILL DETAIL****JAMB
DETAIL**

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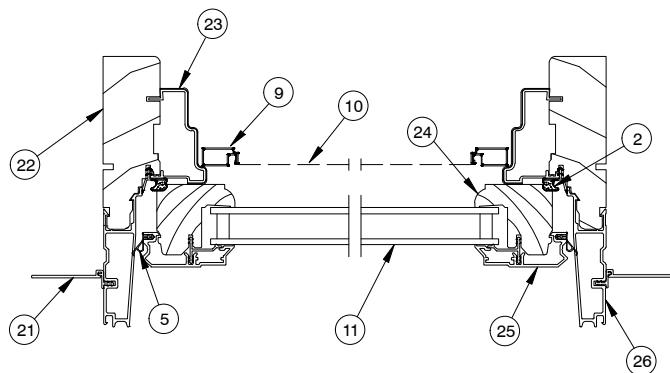
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|--|--------------------------|------------------------------------|
| 1. Head Jamb Brick Mould Casing, W1047 | 9. Head Jamb Stop, W7001 | 16. Jamb Brick Mould Casing, W1047 |
| 2. Frame Weather Strip, V138 | 10. Insulated Glass | 17. Jamb |
| 3. Head Jamb | 11. Bottom Rail | 18. Jamb Stop, W7015 |
| 4. Connecting Barb, V803 | 12. Sill Stop, W8723 | 19. Jamb Stationary Bracket |
| 5. Sash Weather Strip, V195 | 13. Subsill, W2197 | 20. Stile |
| 6. Top Rail | 14. Setting Block | |
| 7. Glazing Bead, W4005 | 15. Sill | |
| 8. Head Jamb/Sill Stationary Bracket | | |

**CLAD CASEMASTER/AWNING
 OPERATOR**

**HEAD JAMB
 & SILL DETAIL**



**JAMB
 DETAIL**

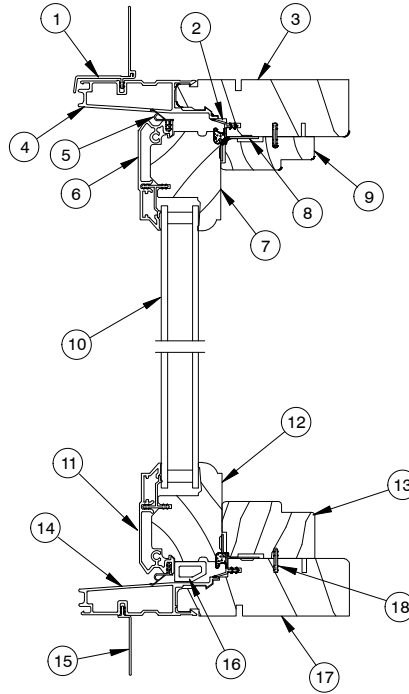


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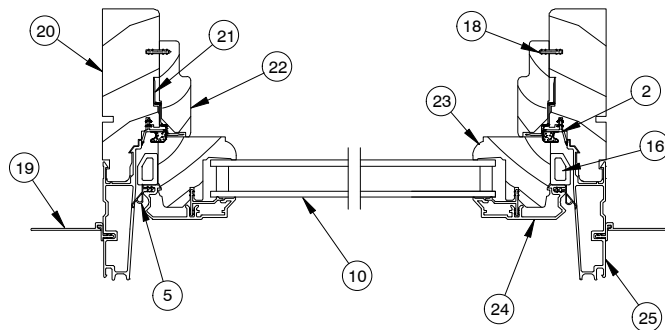
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|-------------------------------------|---------------------------|--------------------------------|
| 1. Head Jamb Nailing Fin & Drip Cap | 10. Screen Mesh | 19. Connecting Barb, V803 |
| 2. Frame Weather Strip, V138 | 11. Insulated Glass | 20. Folding Crank Handle Cover |
| 3. Head Jamb | 12. Bottom Rail Cladding | 21. Jamb Nailing Fin |
| 4. Head Jamb Cladding | 13. Bottom Rail | 22. Jamb |
| 5. Sash Weather Strip, V195 | 14. Hardware Cover, W8459 | 23. Jamb Stop, V1162 |
| 6. Top Rail Cladding | 15. Folding Crank Handle | 24. Stile |
| 7. Top Rail | 16. Sill Cladding | 25. Stile Cladding |
| 8. Head Jamb Stop, W8461 | 17. Sill Nailing Fin | 26. Jamb Cladding |
| 9. Screen Frame | 18. Sill | |

**CLAD CASEMASTER/AWNING
 STATIONARY**

**HEAD JAMB
 & SILL DETAIL**

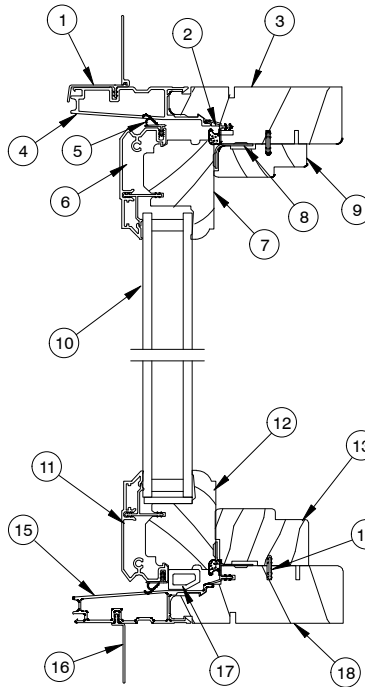
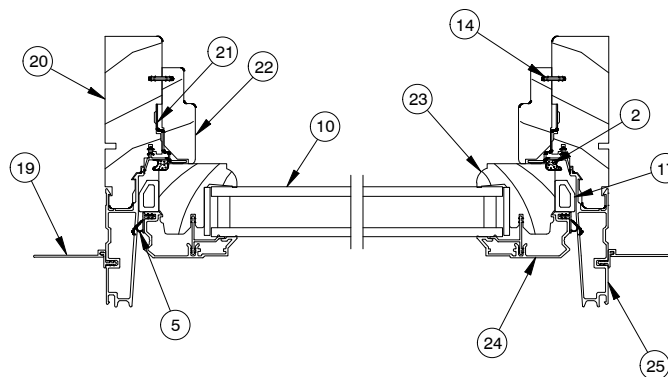


**JAMB
 DETAIL**



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

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|--------------------------------------|---------------------------------|-----------------------------|
| 1. Head Jamb Nailing Fin & Drip Cap | 11. Bottom Rail Cladding | 20. Jamb |
| 2. Frame Weather Strip, V138 | 12. Bottom Rail | 21. Jamb Stationary Bracket |
| 3. Head Jamb | 13. Sill Stop, W8723 | 22. Jamb Stop, W7015 |
| 4. Head Jamb Cladding | 14. Sill Cladding | 23. Stile |
| 5. Sash Weather Strip, V195 | 15. Sill Nailing Fin | 24. Stile Cladding |
| 6. Top Rail Cladding | 16. Sash Centering Block, V1289 | 25. Jamb Cladding |
| 7. Top Rail | 17. Sill | |
| 8. Head Jamb/Sill Stationary Bracket | 18. Connecting Barb, V803 | |
| 9. Head Jamb Stop, W7001 | 19. Jamb Nailing Fin | |
| 10. Insulated Glass | | |

PART IDENTIFICATION**CLAD CASEMASTER/AWNING
1" PICTURE UNIT****HEAD JAMB
& SILL DETAIL****JAMB
DETAIL**

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

- | | | |
|-------------------------------------|---------------------------------|-----------------------------|
| 1. Head Jamb Nailing Fin & Drip Cap | 10. Insulated Glass | 18. Sill |
| 2. Frame Weather Strip, V138 | 11. Bottom Rail Cladding | 19. Jamb Nailing Fin |
| 3. Head Jamb | 12. Bottom Rail | 20. Jamb |
| 4. Head Jamb Cladding | 13. Sill Stop, W8723 | 21. Jamb Stationary Bracket |
| 5. Sash Weather Strip, V195 | 14. Connecting Barb, V803 | 22. Jamb Stop, W7015 |
| 6. Top Rail Cladding | 15. Sill Cladding | 23. Stile |
| 7. Top Rail | 16. Sill Nailing Fin | 24. Stile Cladding |
| 8. Header/Sill Stationary Bracket | 17. Sash Centering Block, V1289 | 25. Jamb Cladding |
| 9. Head Jamb Stop, W7001 | | |

When ordering replacement Casemaster parts specify:

1. type of unit;
2. part number;
3. description.

NOTE: **Standard** hardware (unless noted) will be supplied with Yellow Zinc Dichromate (YZD) coating until stocks are depleted, E-Gard coated hardware will then be substituted. If E-Gard coated hardware is desired it must be specified. **Components with "YZD" specified as the color are only available with Yellow Zinc Dichromate (YZD) coating.**

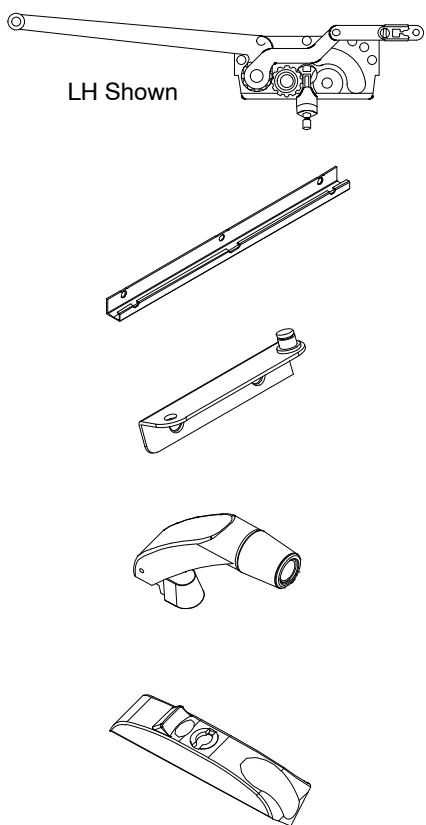
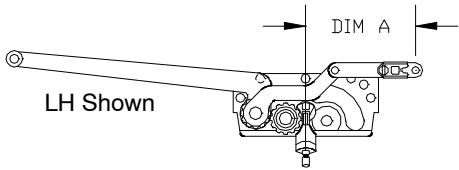
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>LH Shown</p>	Dual Arm Roto-gear Operator, Complete CN 20 and over Daylight opening width 14 1/2" (368) and over <i>Includes:</i> 1 - Dual arm roto-gear LH - 10815500 RH - 10815501 1 - Sash track 10830706 1 - Dual arm sash bracket LH - 10810339 RH - 10810340 1 - Folding handle TP (10898282), BZ (10898302), WH (10898292) 1 - Folding handle cover TP (10898281) BZ (10898301), WH (10898291) 5 - #8x1" Phillips flat head wood screws (11800740) 2 - #7HD - #8x1" Phillips flat head screws (11800773)	LH TP 10815508 RH TP 10815509 LH BZ 10815510 RH BZ 10815511 LH WH 10815512 RH WH 10815513	
	Dual Arm Roto-gear Operator, Complete, Coastal Hardware CN 20 and over Daylight opening width 14 1/2" (368) and over <i>Includes:</i> 1 - Dual arm roto-gear LH - 10814804 RH - 10814807 1 - Sash track 10814812 1 - Dual arm sash bracket LH - 10814832 RH - 10814833 10 - #8x1" Phillips flat head wood screws (11800896) NOTE: Folding handle and cover not included with Coastal Hardware.	LH 11869391 RH 11869392	
 <p>LH Shown</p> <p>Standard Dual Arm Dim A = 5 11/64" (131)</p>	Dual Arm Roto-gear Operator CN 20 and over Daylight opening width 14 1/2" (368) and over <i>Includes:</i> 1 - Dual arm roto-gear 5 - #8x1" Phillips flat head wood screws (11800740)	LH 10815500 RH 10815501	
	Dual Arm Roto-gear Operator, Coastal Hardware CN 20 and over Daylight opening width 14 1/2" (368) and over <i>Includes:</i> 1 - Dual arm roto-gear 5 - #8x1" Phillips flat head wood screws (11800896)	LH 10814804 RH 10814807	

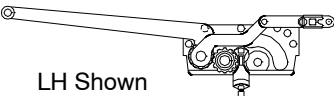
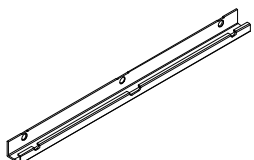
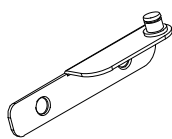
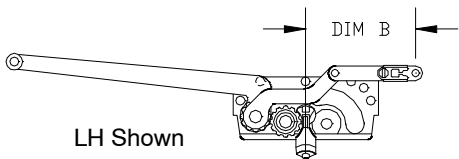
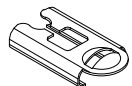
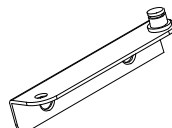
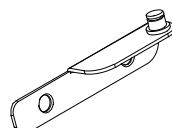
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>LH Shown</p>  	Egress Dual Arm Roto-gear Operator, Complete <i>Includes:</i> 1 – Egress dual arm roto-gear LH – 10814800 RH – 10814801 1 – Sash track 10830706 1 – Egress dual arm sash bracket LH – 10814830 RH – 10814831 5 – #8x1" Phillips flat head wood screws (11800740) 5 – #7HD – #8x1" Phillips flat head screws (11800773)	LH RH	11869342 11869343
	Egress Dual Arm Roto-gear Operator, Complete, Coastal Hardware <i>Includes:</i> 1 – Egress dual arm roto-gear LH – 10814802 RH – 10814803 1 – Sash track 10814812 1 – Egress dual arm sash bracket LH – 10814834 RH – 10814835 10 – #8x1" Phillips flat head wood screws (11800896)	LH RH	11869335 11869336
 <p>LH Shown</p> <p>Egress Dual Arm Dim B = 2 29/32" (74)</p>	Egress Dual Arm Roto-gear Operator <i>Includes:</i> 1 – Egress dual arm roto-gear 5 – #8x1" Phillips flat head wood screws (11800740)	LH RH	10814800 10814801
	Egress Dual Arm Roto-gear Operator, Coastal Hardware <i>Includes:</i> 1 – Egress dual arm roto-gear 5 – #8x1" Phillips flat head wood screws (11800896)	LH RH	10814802 10814803
	Detach Clip, Dual Arm Roto-gear	Mill Finish	10814839
	Dual Arm Sash Bracket <i>Includes:</i> 1 – Dual arm sash bracket 2 – #7HD – #8x1" Phillips flat head wood screws (11800773)	LH RH	10810339 10810340
	Dual Arm Sash Bracket, Coastal Hardware <i>Includes:</i> 1 – Dual arm sash bracket 2 – #8x1" Phillips flat head wood screws (11800896)	LH RH	10814832 10814833
	Egress Dual Arm Sash Bracket <i>Includes:</i> 1 – Egress dual arm sash bracket 2 – #7HD – #8x1" Phillips flat head wood screws (11800773)	LH RH	10814830 10814831

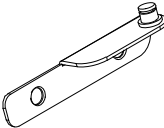
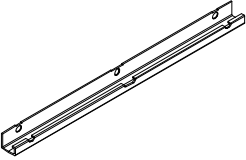
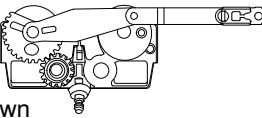
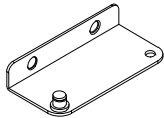
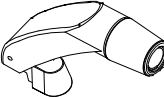
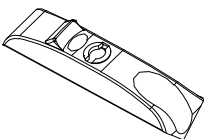
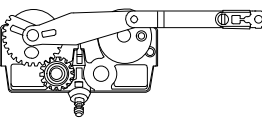
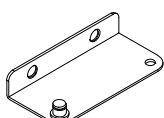
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Egress Dual Arm Sash Bracket, Coastal Hardware <i>Includes:</i> 1 – Egress dual arm sash bracket 2 – #8x1" Phillips flat head wood screws (11800896)	LH RH	10814834 10814835
	Sash Track <i>Includes:</i> 1 – Sash track 3 – #7HD – #8x1" Phillips flat head wood screws (11800773)		10830706
	Sash Track, Coastal Hardware <i>Includes:</i> 1 – Sash track 3 – #8x1" Phillips flat head wood screws (11800896)		10814812
 LH Shown   	Dyad Operator, Complete CN under 20 Daylight opening width under 14 1/2" (368) The dyad operator is also know as a hinged single arm operator. <i>Includes:</i> 1 – Dyad operator LH – 10815400 RH – 10815401 1 – Dyad sash bracket LH – 10810415 RH – 10810416 5 – #8x1" Phillips flat head wood screws (11800740) 2 – #7HD – #8x1" Phillips flat head screws (11800773) 1 – Folding handle TP (10898282), BZ (10898302), WH (10898292) 1 – Folding handle cover TP (10898281) BZ (10898301), WH (10898291)	LH TP RH TP LH BZ RH BZ LH WH RH WH	11873218 11873219 11873220 11873221 11873222 11873223
 LH Shown 	Dyad Operator, Complete, Coastal Hardware CN under 20 Daylight opening width under 14 1/2" (368) The dyad operator is also know as a hinged single arm operator. <i>Includes:</i> 1 – Dyad operator LH – 10814805 RH – 10814808 1 – Dyad sash bracket LH – 10814836 RH – 10814837 7 – #8x1" Phillips flat head wood screws (11800896)	LH RH	11873210 11873211

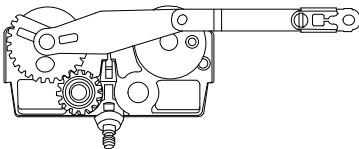
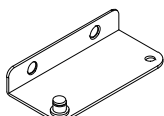
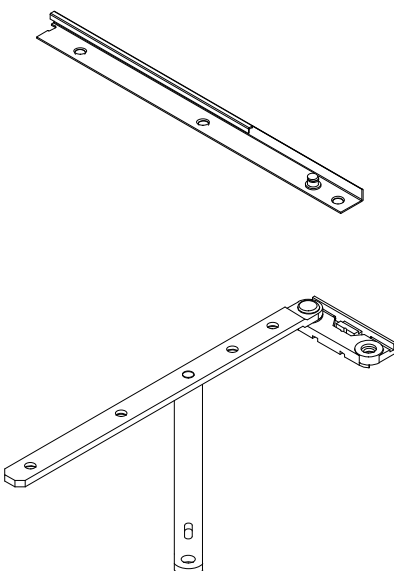
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 LH Shown	Dyad Roto-gear Operator CN under 20 Daylight opening width under 14 1/2" (368) The dyad operator is also know as a hinged single arm operator. <i>Includes:</i> 1 - Dyad roto-gear operator 5 - #8x1" Phillips flat head wood screws (11800740)	LH RH	10815400 10815401
	Dyad Roto-gear Operator, Coastal Hardware CN under 20 Daylight opening width under 14 1/2" (368) The dyad operator is also know as a hinged single arm operator. <i>Includes:</i> 1 - Dyad roto-gear operator 5 - #8x1" Phillips flat head wood screws (11800896)	LH RH	10814805 10814808
	Dyad Sash Bracket <i>Includes:</i> 1 - Dyad sash bracket 2 - #7HD - #8x1" Phillips flat head wood screws (11800773)	LH RH	10810415 10810416
	Dyad Sash Bracket, Coastal Hardware <i>Includes:</i> 1 - Dyad sash bracket 2 - #8x1" Phillips flat head wood screws (11800896)	LH RH	10814836 10814837
	Hinge Pair, Complete CN 16, CN 20, CN 24, CN 32, CN 36 <i>Includes:</i> 2 - Hinge tracks LL-UR - 10814760 UL-LR - 10814761 2 - Hinge arm assemblies LL-UR - 10814754 UL-LR - 10814755 6 - #7x5/8" Phillips flat head screws (11800736) 8 - #7HD - #8x1" Phillips flat head screws (11800773)		11873204
	Hinge Pair, Complete, Coastal Hardware CN 16, CN 20, CN 24, CN 32, CN 36 <i>Includes:</i> 2 - Hinge tracks LL-UR - 10814862 UL-LR - 10814863 2 - Hinge arm assemblies LL-UR - 10814864 UL-LR - 10814865 6 - #7x5/8" Phillips flat head screws (11800736) 8 - #8x1" Phillips flat head screws (11800896)		11873205

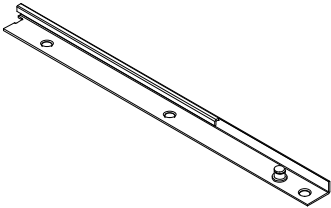
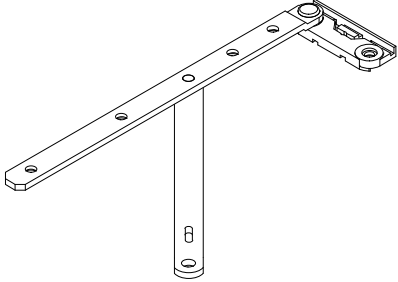
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 	Hinge Pair, Complete CN 28 Daylight opening width 22 1/2" (572) <i>Includes:</i> 2 – Hinge tracks LL-UR – 10814760 UL-LR – 10814761 2 – Hinge arm assemblies LL-UR – 10814841 UL-LR – 10814842 6 – #7x5/8" Phillips flat head screws (11800736) 8 – #7HD – #8x1" Phillips flat head screws (11800773)		11873208
	Hinge Pair, Complete, Coastal Hardware CN 28 Daylight opening width 22 1/2" (572) <i>Includes:</i> 2 – Hinge tracks LL-UR – 10814862 UL-LR – 10814863 2 – Hinge arm assemblies LL-UR – 10814868 UL-LR – 10814869 6 – #7x5/8" Phillips flat head screws (11800736) 8 – #8x1" Phillips flat head screws (11800896)		11873209
	Egress Hinge Pair, Complete <i>Includes:</i> 2 – Hinge tracks LL-UR – 10814760 UL-LR – 10814761 2 – Hinge arm assemblies LL-UR – 10814860 UL-LR – 10814861 6 – #7x5/8" Phillips flat head screws (11800736) 8 – #7HD – #8x1" Phillips flat head screws (11800773)		11869344
	Egress Hinge Pair, Complete, Coastal Hardware <i>Includes:</i> 2 – Hinge tracks LL-UR – 10814862 UL-LR – 10814863 2 – Hinge arm assemblies LL-UR – 10814866 UL-LR – 10814867 6 – #7x5/8" Phillips flat head screws (11800736) 8 – #8x1" Phillips flat head screws (11800896)		11869345

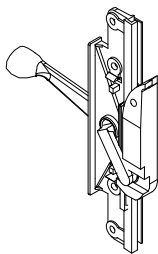
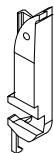
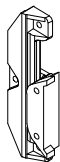
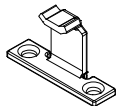
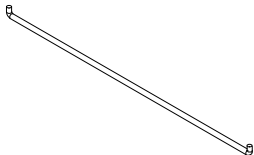
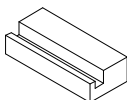
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./C OLOR	PART NO.
 LH Shown	Sequential Lock, Primary Primary cam included <i>Includes:</i> 1 – Primary sequential lock with primary cam 3 – #8x1" Phillips pan head wood screws (11808100)	LH TP	10816062
		RH TP	10816063
		LH BZ	10816050
		RH BZ	10816051
		LH WH	10816052
		RH WH	10816053
		LH BS	10814850
		RH BS	10814851
		LH AB	10816058
		RH AB	10816059
		LH SC	10816056
		RH SC	10816057
		LH SN	10816079
		RH SN	10816080
		LH ORBZ	10816067
		RH ORBZ	10816068
	Cam, Primary Lock	LH RH	10816048 10816049
	Sequential Lock, Secondary Secondary cam included <i>Includes:</i> 1 – Secondary sequential lock with secondary cam 3 – #8x1" Phillips pan head wood screws (11808100)	BK	10816060
	Keeper, Sequential Lock <i>Includes:</i> 1 – Keeper 2 – #7HD – #8x1" Phillips flat head wood screws (11800773)		10816065
	Keeper, Sequential Lock, Coastal Hardware <i>Includes:</i> 1 – Keeper 2 – #8x1" Phillips flat head wood screws (11800896)		10814816
	Tie Bar, Sequential Lock CN 32 thru 40, 12 7/8" (327) over CN 40 thru 48, 24 7/8" (632) over CN 48 thru 56, 32 7/8" (835) over CN 56 thru 64, 38 7/8" (987) over CN 64 thru 72, 48 7/8" (1241)	Mill Finish	10816070 10816071 10816074 10816072 10816073
	Support Block, Tie Bar W7009 1 block required on CN 48 2 required over CN 48 to under CN 72 3 required CN 72 and over		32459992

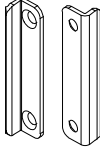
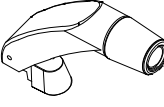
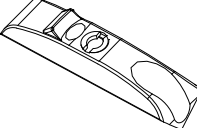
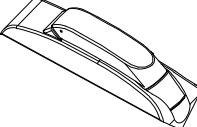
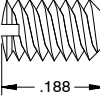
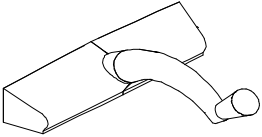

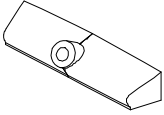
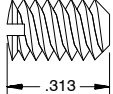
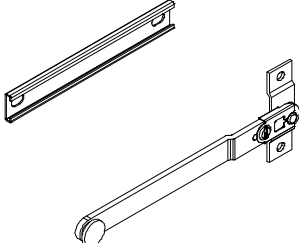
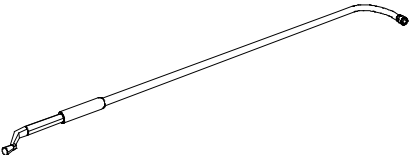

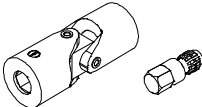
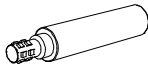

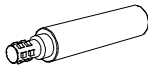

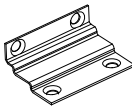
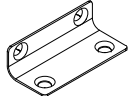
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Snubber, Concealed, Coastal Hardware Wood Casemaster 2 per package <i>Includes:</i> 2 – Snubbers 10899110 2 – #7x5/8" Phillips flat head wood screws (11800736) 2 – #8x1" Phillips flat head wood screws (11800896)		11873197
	Snubber, Concealed, Coastal Hardware Clad Casemaster 2 per package <i>Includes:</i> 2 – Snubbers 10899110 2 – #7x1/2" Phillips flat head screws (11800753) 2 – #8x1" Phillips flat head wood screws (11800896)		11873295
	Folding Handle <i>Includes:</i> 1 – Handle with set screw	TP BZ WH BS AB SC SN ORBZ	10898282 10898302 10898292 10898312 10898322 10898342 10898362 10898352
	Folding Handle Cover <i>Includes:</i> 1 – Cover	TP BZ WH BS AB SC SN ORBZ	10898281 10898301 10898291 10898311 10898321 10898341 10898361 10898351
	Folding Handle and Cover Package <i>Includes:</i> 1 – Handle with set screw 1 – Cover	TP BZ WH BS AB SC SN ORBZ	NA NA NA NA NA NA NA NA
	Set Screw for Folding Handle	SS	10898283

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Curved Handle and Cover Package <i>Includes:</i> 1 – Handle with set screw 1 – Cover	TP BZ WH BS	10898270 10898240 10898250 10898260
	Handle, Curved with set screw	TP BZ WH BS	10898272 10898242 10898252 10898263
	Handle Cover, Curved	TP BZ WH BS	10898271 10898241 10898251 10898261
	Set Screw for Curved Handle	TP BZ WH	10898273 10898243 10898253
	Sash Limiter* Limits sash opening. Specify 5° – 10° – 15° – 20° limit. <i>Includes:</i> 1 – Arm with butterfly clip and sill stud bracket 1 – Sash track 4 – SS #7x3/4" Phillips sheet metal screws		10814815
	Crank, Pole 60" (1524) 96" (2438) 138" (3505)	Mill Finish	01590321 01590411 05540711
	Adapter, Pole Crank	Mill Finish	05570441
	Universal and Insert <i>Includes:</i> 1 – Universal BZ – 05570440 TP–05570443 1 – Insert 05570434	TP BZ	11869387 11869359

* Sash limiter for Casemasters: N/A under CN 24. 5° N/A under CN 28.
 Sash limiter for Awnings: Only 5° and 10° available. N/A under CN 32. 5° N/A under CN 40.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Extension 2" (51) for Casemaster Handle	TP BZ WH	05570436 05570432 05570430
	Extension 4" (102) for Casemaster Handle	TP BZ WH	05570435 05570431 05570429
	Extension 2" (51) for Awning handle	TP BZ WH	05570436 05570432 05570430
	Extension 4" (102) for Awning handle	TP BZ WH	05570435 05570431 05570429
	Stationary Bracket, Side Jamb <i>Includes:</i> 1 – Stationary bracket 4 – #7 x 7/8" Phillips flat head screws (11800798)	Mill Finish	11841120
	Stationary Bracket, Head Jamb and Sill <i>Includes:</i> 1 – Stationary bracket 4 – #7 x 7/8" Phillips flat head screws (11800798)	Mill Finish	11841000

When ordering replacement Awning parts specify:

1. type of unit;
2. part number;
3. description.

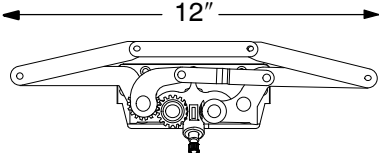
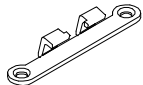
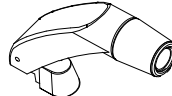
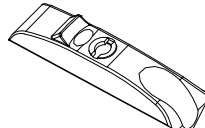
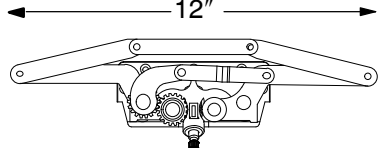
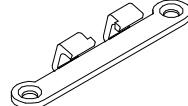
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
   	Roto-gear Operator, Complete CN under 28 width Daylight opening width under 22 1/2" (572) <i>Includes:</i> 1 – 12" (305) scissor operator (10811412) 1 – Sash hook (10820008) 1 – Folding handle TP (10898282), BZ (10898302), WH (10898292) 1 – Folding handle cover TP (10898281) BZ (10898301), WH (10898291) 5 – #8x1" Phillips flathead wood screws (11800810) 2 – #7HD – #8x1" Phillips flathead screws (11800773)	TP BZ WH	11869460 11869461 11869462
	Roto-gear Operator, Complete, Coastal Hardware CN under 28 width Daylight opening width under 22 1/2" (572) <i>Includes:</i> 1 – 12" (305) scissor operator (10814820) 1 – Sash hook – 10814813 7 – #8x1" Phillips flathead wood screws (11800805) NOTE: Folding handle and cover not included.		11869328
	Roto-gear Operator CN under 28 width Daylight opening width under 22 1/2" (572) <i>Includes:</i> 1 – 12" (305) scissor operator 5 – #8x1" Phillips flathead wood screws (11800810)		10811412
	Roto-gear Operator, Coastal Hardware CN under 28 width Daylight opening width under 22 1/2" (572) <i>Includes:</i> 1 – 12" (305) scissor operator 5 – #8x1" Phillips flathead wood screws (11800805)		10814820
	Sash Hook <i>Includes:</i> 1 – Sash hook 2 – #7HD – #8x1" Phillips flathead wood screws (11800773)		10820008
	Sash Hook, Coastal Hardware <i>Includes:</i> 1 – Sash hook 2 – #8x1" Phillips flathead wood screws (11800805)		10814813

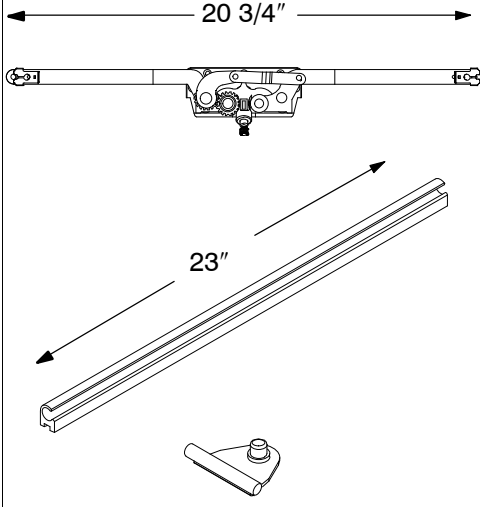
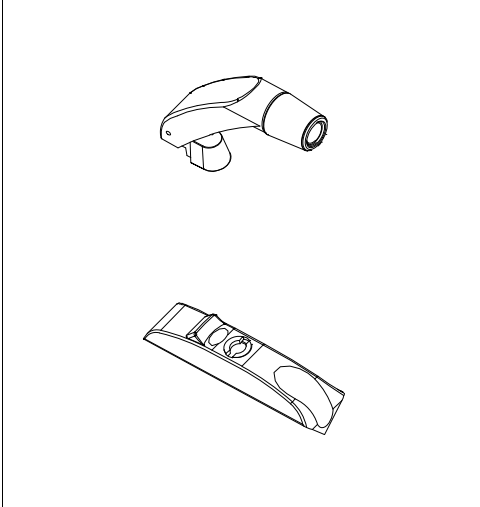
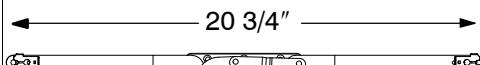
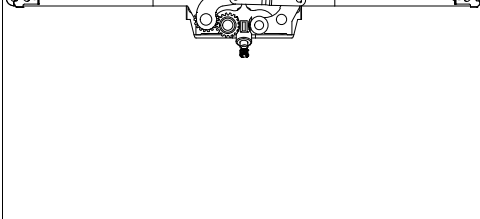
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	<p>Roto-gear Operator Complete CN 28 to under CN 36 width Daylight opening width of 22 1/2" (572) to under 30 1/2" (775) <i>Includes:</i> 1 - 20 3/4" (527) roto-gear operator (10811421) 1 - 23" (584) guide bar (11101222) 2 - Guide bar shoes (10811430) 1 - Folding handle TP (10898282), BZ (10898302), WH (10898292) 1 - Folding handle cover TP (10898281) BZ (10898301), WH (10898291) 5- #8x1" Phillips flathead wood screws (11800810) 2 - #7HD - #8x1" Phillips flat head screws (11800773)</p>	<p>TP BZ WH</p>	<p>11869466 11869467 11869468</p>
	<p>Roto-gear Operator Complete, Coastal Hardware CN 28 to under CN 36 width Daylight opening width of 22 1/2" (572) to under 30 1/2" (775) <i>Includes:</i> 1 - 20 3/4" (527) roto-gear operator - 10814821 1 - 23" (584) guide bar - 11101222 2 - Guide bar shoes - 10811430 5- #8x1" Phillips flathead wood screws (11800805) 2 - #7HD - #8x1" Phillips flat head screws (11800773) NOTE: Folding handle and cover not included.</p>		<p>11869329</p>
	<p>Roto-gear Operator CN 28 to under CN 36 width Daylight opening width of 22 1/2" (572) to under 30 1/2" (775) <i>Includes:</i> 1 - 20 3/4" (527) roto-gear 5 - #8x1" Phillips flathead wood screws (11800810)</p>		<p>10811421</p>
	<p>Roto-gear Operator, Coastal Hardware CN 28 to under CN 36 width Daylight opening width of 22 1/2" (572) to under 30 1/2" (775) <i>Includes:</i> 1 - 20 3/4" (527) roto-gear 5 - #8x1" Phillips flathead wood screws (11800805)</p>		<p>10814821</p>

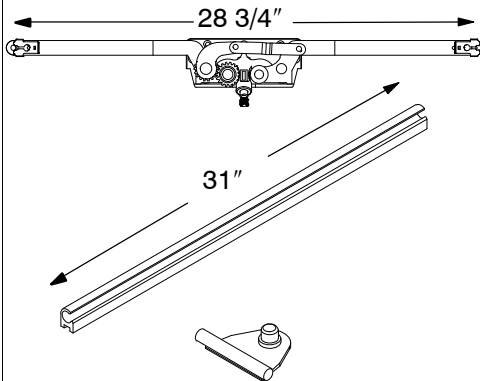
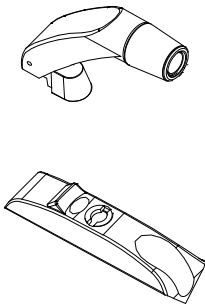
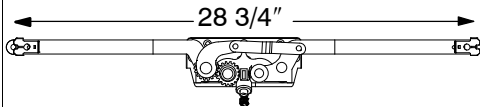
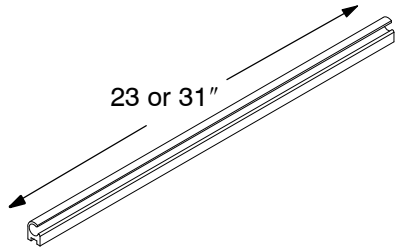
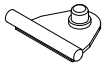
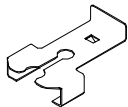
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	<p>Roto-gear Operator, Complete CN 36 width and over Daylight opening width of 30 1/2" (775) and over</p> <p><i>Includes:</i> 1 – 28 3/4" (730) roto-gear operator – 10811429 1 – 31" (787) guide bar – 11101230 2 – Guide bar shoes – 10811430 1 – Folding handle TP (10898282), BZ (10898302), WH (10898292) 1 – Folding handle cover TP (10898281) BZ (10898301), WH (10898291) 5 – #8x1" Phillips flathead wood screws (11800810) 3 – #7HD – #8x1" Phillips flat head screws (11800773)</p>	TP BZ WH	11869472 11869473 11869474
	<p>Roto-gear Operator, Complete, Coastal Hardware CN 36 width and over Daylight opening width of 30 1/2" (775) and over</p> <p><i>Includes:</i> 1 – 28 3/4" (730) roto-gear – 10814822 1 – 31" (787) guide bar – 11101230 2 – Guide bar shoes – 10811430 5 – #8x1" Phillips flathead wood screws (11800805) 3 – #7HD – #8x1" Phillips flat head screws (11800773)</p> <p>NOTE: Folding handle and cover not included.</p>		11869330
	<p>Roto-gear Operator, Coastal Hardware CN 36 width and over Daylight opening width of 30 1/2" (775) and over</p> <p><i>Includes:</i> 1 – 28 3/4" (730) roto-gear 5 – #8x1" Phillips flathead screws (11800805)</p>		10814822
	<p>Guide Bar 23" (584) CN 28 width to under CN 36 31" (787) CN 36 width and over</p> <p><i>Includes:</i> 1 – Guide bar 2 or 3 – #7HD – #8x1" Phillips flathead wood screws (11800773)</p>		11101222 11101230
	Guide Bar Shoe	Mill Finish	10811430
	Detach Clip, Awning Roto-gear	Mill Finish	10814838

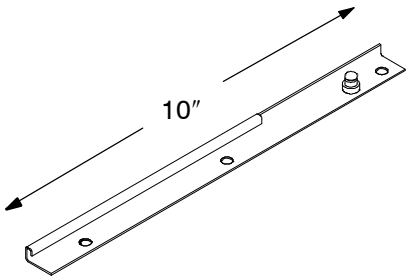
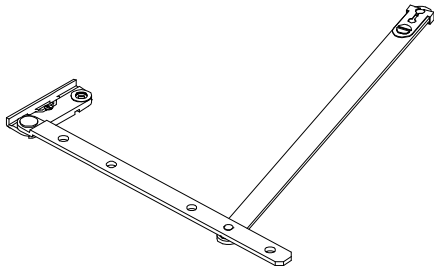
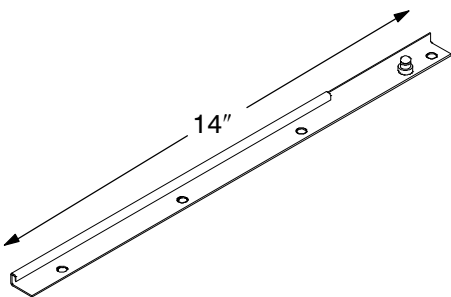
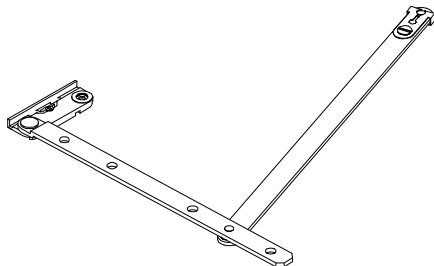
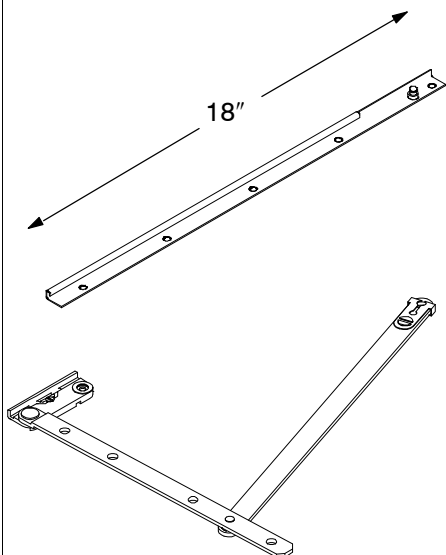
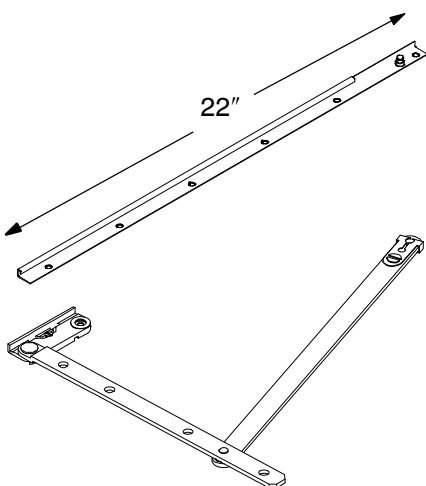
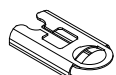
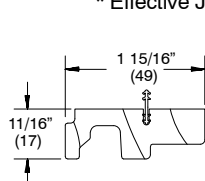
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 	Hinge Pair, Complete CN under 20 height <i>Includes:</i> 2 – 10" (254) hinge tracks LH – 10813006 RH – 10813007 2 – 10" hinge arm assemblies LH – 10813004 RH – 10813005 6 – SS #7x5/8" Phillips flathead wood screws (11800736) 8 – #7HD – #8x1" Phillips flat head screws (11800773)		11873179
	Hinge Pair, Complete, Coastal Hardware CN under 20 height <i>Includes:</i> 2 – 10" (254) hinge tracks LH – 10814880 RH – 10814881 2 – 10" hinge arm assemblies LH – 10814882 RH – 10814883 6 – #7x5/8" Phillips flathead wood screws (11800736) 8 – #8x1" Phillips flathead wood screws (11800805)		11873183
 	Hinge Pair, Complete, CN 20 height to under CN 24 height <i>Includes:</i> 2 – 14" (356) hinge tracks LH – 10813106 RH – 10813107 2 – 14" hinge arm assemblies LH – 10813104 RH – 10813105 8 – SS #7x5/8" Phillips flathead wood screws (11800736) 8 – #7HD – #8x1" Phillips flat head wood screws (11800773)		11873180
	Hinge Pair, Complete, Coastal Hardware CN 20 height to under CN 24 height <i>Includes:</i> 2 – 14" (356) hinge tracks LH – 10814884 RH – 10814885 2 – 14" hinge arm assemblies LH – 10814886 RH – 10814887 8 – #7x5/8" Phillips flathead wood screws (11800736) 8 – #8x1" Phillips flathead wood screws (11800805)		11873184

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./CO LOR	PART NO.
	Hinge Pair, Complete CN 24 height to under CN 40 height <i>Includes:</i> 2 – 18" (457) hinge tracks LH – 10813206 RH – 10813207 2 – 18" hinge arm assemblies LH – 10813204 RH – 10813205 10 – SS #7x5/8" Phillips flathead wood screws (11800736) 8 – #7HD – #8x1" Phillips flathead wood screws (11800773)		11873181
	Hinge Pair, Complete, Coastal Hardware CN 24 height to under CN 40 height <i>Includes:</i> 2 – 18" (457) hinge tracks LH – 10814888 RH – 10814889 2 – 18" hinge arm assemblies LH – 10814890 RH – 10814891 10 – #7x5/8" Phillips flathead wood screws (11800736) 8 – #8x1" Phillips flathead wood screws (11800805)		11873185
	Hinge Pair, Complete CN 40 height and over <i>Includes:</i> 2 – 22" (559) hinge tracks LH – 10813306 RH – 10813307 2 – 22" hinge arm assemblies LH – 10813304 RH – 10813305 12 – #7x5/8" Phillips flathead wood screws (11800736) 8 – #7HD – #8x1" Phillips flathead wood screws (11800773)		11873182
	Hinge Pair, Complete, Coastal Hardware CN 40 height and over <i>Includes:</i> 2 – 22" (559) hinge tracks LH – 10814892 RH – 10814893 2 – 22" hinge arm assemblies LH – 10814894 RH – 10814895 12 – #7x5/8" Phillips flathead wood screws (11800736) 8 – #8x1" Phillips flathead wood screws (11800805)		11873186
	Detach Clip, Hinge	Mill Finish	10814839

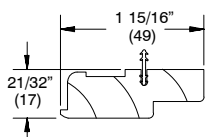
CURRENT REPLACEMENT WOOD & VINYL PARTS – OPERATOR AND STATIONARY UNITS

	Clad March 31, 2003 to present. Screens use bow springs and lifts.	Wood March 31, 2003 to present. Screens use bow springs and lifts.
Head Jamb Stop Operator	W8461	W8461
Head Jamb Stop Stationary	W7001	W7001
Hardware Cover Operator	W8459	W8459
Sill Cover Stationary	W8723*	W8723*
Jamb Stop Stationary	W7015	W7015
Side Stop	V1162	V1162
84" (2134) Bare	11110849	11110849
96" (2438) Bare	11110969	11110969
84" (2134) Prime	11111849	11111849
96" (2438) Prime	11111969	11111969
Sill Cover Support Block	W7048	W7048
Subsill	---	W2197
Sash Centering Block – CM	V1289 10500850	V1289 10500850
2" Simulated Thick Sill – CM	---	W8098
Extended / Thick Subsill – CM	---	W8596
NOTE: All replacement wood parts for operator and stationary units are supplied with connecting barb (where applicable).		

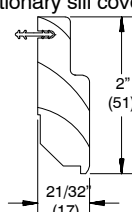
* Effective June 5, 2006, W8723 will be used for all stationary sill covers.



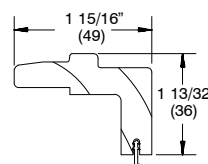
W8461 – Head Jamb Stop Operator



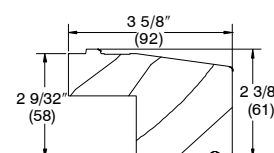
W7001 – Head Jamb Stop Stationary and Picture Units



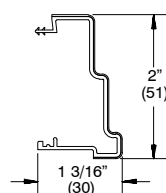
W7015 – Jamb Stop Stationary and Picture Units



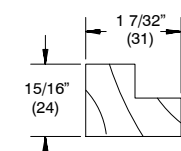
W8459 – Hardware Cover Operator



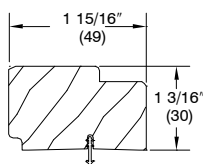
W8596 – Extended / Thick Subsill



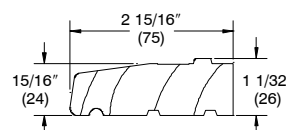
V1162 – Side Stop



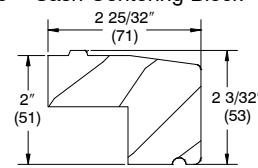
32398990 2" W7048 – Sill Cover Support Block



W8723 – Stationary Hardware Cover

W2197 – Subsill
Longest length available
FJ – 200" (5080)
CL – 168" (4267)

V1289 – Sash Centering Block



W8098 – 2" Simulated Thick Subsill

TO ORDER REPLACEMENT WOOD PARTS

When ordering replacement wood parts specify:

1. profile number, or part number;
2. call number or rough opening;
3. type of operation:
 - a. dual arm
 - b. egress
 - c. dyad (CN under 20)
 - d. single arm with removable cover (round top/polygon);
4. left hand or right hand operation as determined from the location of the hinge on the exterior of the unit;
5. length;
6. finish.

POWERDRIVE CONSISTS OF THE FOLLOWING COMPONENTS:

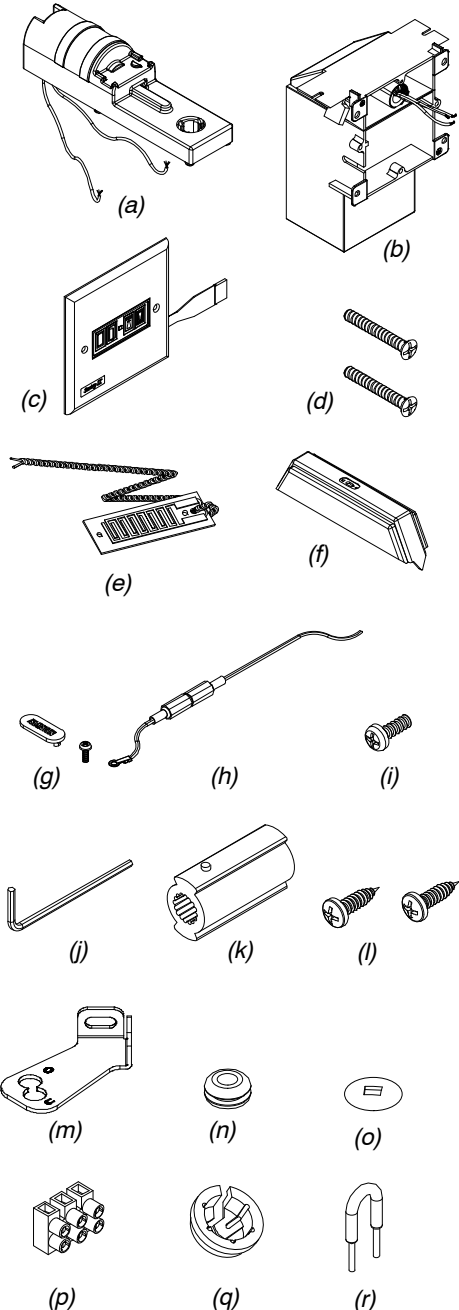
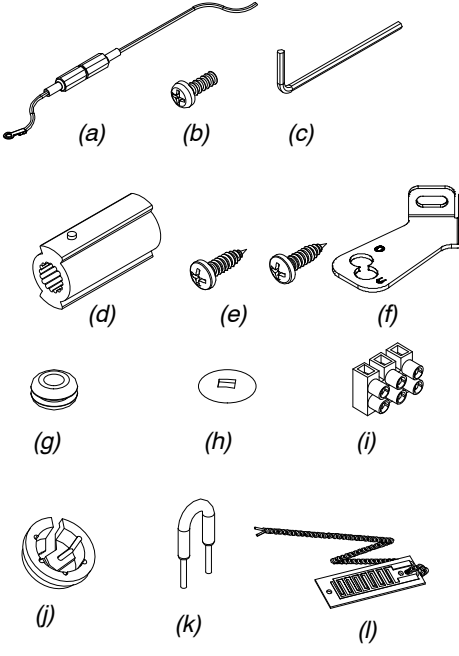
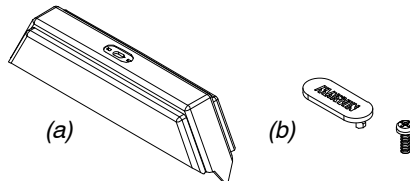
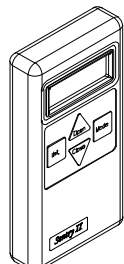
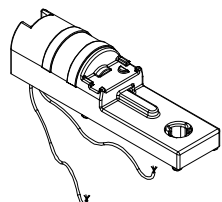
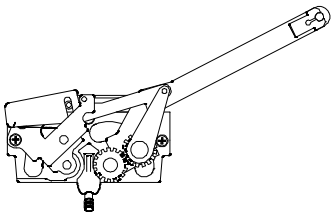
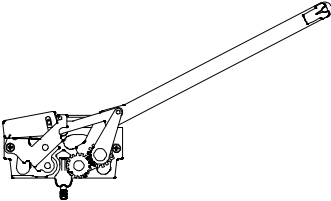
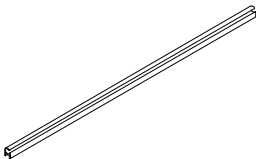
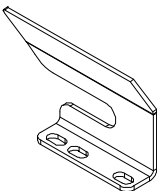
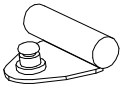
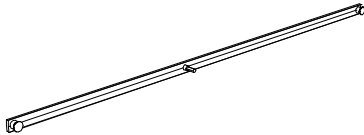
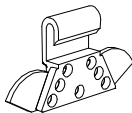

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Sentry II Operator Kit, Complete <i>Includes:</i> 1 – Operator Motor (a) 1 – Control Box (b) – 05570558 1 – Cover Plate (c) – 05570559 1 – Cover Plate Screws (d) 1 – Rain Sensor(e) 1 – Decorative Cover (f) 1 – Decorative Button (g) 1 – Hardware 1 – Screen Interlock (h) 2 – Screen Interlock Mounting Screws (i) 1 – Hex Wrench (j) 1 – Spline Adaptor (k) 2 – #8 x 5/8 Pan head Bracket Screws (l) 1 – Bracket (m) 1 – Isolation Grommet (n) 1 – Push on Fastener (o) 1 – Connector (p) 1 – Strain Relief (q) 1 – Wire Piece (r)	TP BZ WH	05570536 05570538 05570537

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Hardware Package For Sentry II Operator <i>Includes:</i> 1 – Hardware 1 – Screen Interlock (a) 2 – Screen Interlock Mounting Screws (b) 1 – Hex Wrench (c) 1 – Spline Adaptor (d) 2 – #8 x 5/8 Pan head Bracket Screws (e) 1 – Bracket (f) 1 – Isolation Grommet (g) 1 – Push on Fastener (h) 1 – Connector (i) 1 – Strain Relief (j) 1 – Wire Piece (k) 1 – Rain Sensor (l)		05570557
	Decorative Cover Kit For Sentry II Operator <i>Includes:</i> 1 – Motor Cover (a) 1 – Decorative Button w/screw(b)	TP BZ WH	05570554 05570556 05570555
	Remote Control For Sentry II Operator		05570541
	Replacement Operator Motor		05570543

POWERDRIVE CONSISTS OF THE FOLLOWING COMPONENTS.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Roto-gear Operator, PowerDrive For 6" (152) guide bar CN 28 to under CN 36 width <i>Includes:</i> 1 – Roto-gear 5 – #8x1" Phillips flathead wood screws (11800740)		10811423
	Roto-gear Operator, PowerDrive For 10" (254) guide bar CN 36 width and over <i>Includes:</i> 1 – Roto-gear 5 – #8x1" Phillips flathead wood screws (11800740)		10811422
	Guide Bar, PowerDrive 6 3/4" (171) CN 28 width to under CN 36 10 1/4" (260) CN 36 width and over <i>Includes:</i> 1 – Guide bar 2 – #7HD – #8x1" Phillips flathead wood screws (11800773)		11101206 11101210
	Keeper, PowerDrive 2 required <i>Includes:</i> 1 – Keeper 3 – #8x1" Phillips flathead wood screws (11808101)		(10811405) Replaced with 10817204
	Guide Bar Shoe	Mill Finish	10811430
	Tie Bar, PowerDrive CN 28 to under CN 36 width, 22 3/8" (568)		10816121
	Tie Bar, PowerDrive CN 36 to under CN 48 width, 30 3/8" (772)		10816132
	Tie Bar, PowerDrive CN 48 width and over, 42 3/8" (1076)		10816141
	Tie Bar Guide, PowerDrive <i>Includes:</i> 1 – Tie bar guide 3 – #8x1" Phillips flathead wood screws (11800740)		10811406
	Detach Clip, Awning Roto-gear	Mill Finish	10814838

ORDERING REPLACEMENT OPERATOR OR STATIONARY SASH FOR CASEMASTER UNITS

Clad units using a sequential lock manufactured after January 31, 1994.

Clad units manufactured after March 30, 2003 use a one-piece clad extrusion.

Replacements will be current sash.

Wood units using a sequential lock manufactured after February 7, 1994.

When ordering replacement operating or stationary sash specify:

1. size (call number or OM of sash);
2. operation;
3. number of sash lock keepers (if operating sash);
4. glazing;
5. finish.

ORDERING REPLACEMENT PICTURE SASH FOR CASEMASTER UNITS

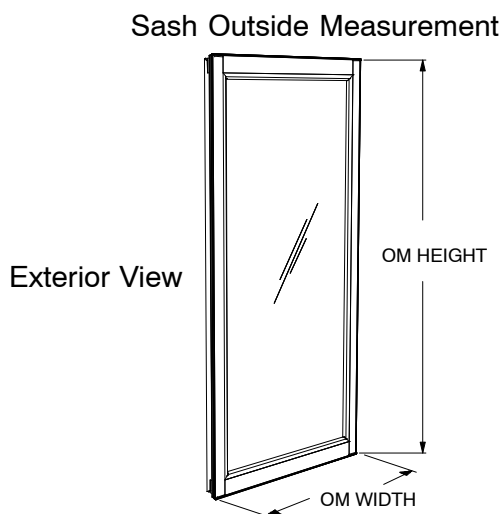
Clad units manufactured after August 20, 1987.

Wood units manufactured after February 7, 1994.

When ordering replacement picture sash specify:

1. size (call number or OM of sash);
2. glazing: 3/4" IG or 1" IG;
3. finish.

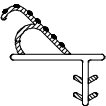

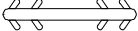
NOTE: Clad 1" Picture sash manufactured after March 30, 2003 had a change in Daylight Opening.


ORDERING REPLACEMENT WEATHER STRIP FOR CASEMASTER UNITS

When ordering replacement weather strip specify:

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

CASEMASTER WEATHER STRIP

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	LENGTH	PART NUMBER
	Flex-Leg Weather Strip, Sash V195 150" (3810)	BG BK	15708399 15708999
	Foam Weather Strip, Frame V138 150" (3810)	BG BK	15910299 15910999
	Connecting Barb V803 NOTE: Color may vary depending on current stock.	Specify Length	15812999

ORDERING REPLACEMENT SCREENS FOR CASEMASTER/AWNING

Screens are available with aluminum or wood 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. Determine the outside measurement of the existing screen. Find the sizes that correspond to the width and height indicated on the following charts. Aluminum surrounds are available in satin taupe, bronze, white, brown and pebble gray.

When ordering replacement screen specify:

1. size; – If there is no existing screen from which to obtain the OM of the screen, determine the size of the screen by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color;
3. mesh type (if other than standard)
4. year or fastener type (if other than current).

Note: Gold tone screen surround is no longer available.

Casemaster/Awning Screen Sizes Manufactured after March 30, 2003 Aluminum and Wood Screens			
Daylight Opening to OM of Screen Daylight Width + 1 1/2" = OM Width of Screen Daylight Height + 2 1/16" = OM Height of Screen Note: Screens manufactured after 3/30/03 utilize bow springs and screen lifts. <u>Wood</u> screens manufactured after 9/20/04 utilize bow springs and finger pulls.			
WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 16	12"	CN 20	14 7/8"
CN 20	16"	CN 24	18 7/8"
CN 24	20"	CN 28	22 7/8"
CN 28	24"	CN 32	26 7/8"
CN 32	28"	CN 36	30 7/8"
CN 36	32"	CN 40	34 7/8"
		CN 48	42 7/8"
		CN 56	50 7/8"
		CN 60	54 7/8"
		CN 64	58 7/8"
		CN 72	66 7/8"

Casemaster Screen Sizes**Wood – manufactured after February 5, 1994****Clad – manufactured after January 28, 1994****Daylight Opening to OM of Screen**

Daylight Width + 1 7/8" = OM Width of Screen

Daylight Height + 2 7/32" = OM Height of Screen

NOTE: Screens feature bayonet type mounting system.

WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 16	12 3/8"	CN 20	15 1/32"
CN 20	16 3/8"	CN 24	19 1/32"
CN 24	20 3/8"	CN 28	23 1/32"
CN 28	24 3/8"	CN 32	27 1/32"
CN 32	28 3/8"	CN 36	31 1/32"
CN 36	32 3/8"	CN 40	35 1/32"
		CN 48	43 1/32"
		CN 56	51 1/32"
		CN 60	55 1/32"
		CN 64	59 1/32"
		CN 72	67 1/32"

Clad Casemaster Screen Sizes**Manufactured from April 5, 1993 to****Jan. 28, 1994****Daylight Opening to OM of Screen**

Daylight Width + 2 1/4" = OM Width of Screen

Daylight Height + 2 3/4" = OM Height of Screen

NOTE: Screens feature clear finger pull/leaf spring mounting system.

WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 16	12 3/4"	CN 24	19 9/16"
CN 20	16 3/4"	CN 32	27 9/16"
CN 24	20 3/4"	CN 36	31 9/16"
CN 28	24 3/4"	CN 40	35 9/16"
CN 32	28 3/4"	CN 48	43 9/16"
CN 36	32 3/4"	CN 56	51 9/16"
		CN 60	55 9/16"
		CN 64	59 9/16"
		CN 72	67 9/16"

Casemaster Screen Sizes**Wood - manufactured 1982 to Feb. 5, 1994****Clad - manufactured 1982 until April 5, 1993****Daylight Opening to OM of Screen**

Daylight Width + 2" = OM Width of Screen

Daylight Height + 2 1/2" = OM Height of Screen

Note: Screens feature black finger pull/leaf spring mounting system.

WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 16	12 1/2"	CN 24	19 5/16"
CN 20	16 1/2"	CN 32	27 5/16"
CN 24	20 1/2"	CN 36	31 5/16"
CN 28	24 1/2"	CN 40	35 5/16"
CN 32	28 1/2"	CN 48	43 5/16"
CN 36	32 1/2"	CN 56	51 5/16"
		CN 60	55 5/16"
		CN 64	59 5/16"
		CN 72	67 5/16"

Casemaster Screen Sizes**Manufactured 1968 to 1982****Daylight Opening to OM of Screen**

Daylight Width + 1 15/16" = OM Width of Screen

Daylight Height + 2 5/8" = OM Height of Screen

Note: Screens feature black finger pull/leaf spring mounting system.

WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 16	12 7/16"	CN 24	19 7/16"
CN 20	16 7/16"	CN 32	27 7/16"
CN 24	20 7/16"	CN 40	35 7/16"
CN 28	24 7/16"	CN 48	43 7/16"
CN 32	28 7/16"	CN 56	51 7/16"
		CN 64	59 7/16"
		CN 72	67 7/16"

Awning Screen Sizes

**Wood – from February 5, 1994 to
March 30, 2003**

**Clad – from January 28, 1994 to
March 30, 2003**

Daylight Opening to OM of Screen

Daylight Width + 1 7/8" = OM Width of Screen

Daylight Height + 2 7/32" = OM Height of Screen

NOTE: Screens feature bayonet type mounting system.

WIDTH

SIZE OM-WIDTH

CN 24	20 3/8"
CN 28	24 3/8"
CN 32	28 3/8"
CN 36	32 3/8"
CN 40	36 3/8"
CN 48	44 3/8"

HEIGHT

SIZE OM-HEIGHT

CN 20	15 1/32"
CN 24	19 1/32"
CN 28	23 1/32"
CN 32	27 1/32"
CN 36	31 1/32"
CN 40	35 1/32"
CN 48	43 1/32"

Clad Awning Screen Sizes

From April 5, 1993 to January 28, 1994

Daylight Opening to OM of Screen

Daylight Width + 2 11/32" = OM Width of Screen

Daylight Height + 2 7/8" = OM Height of Screen

NOTE: Screens feature clear finger pull/leaf spring type mounting system.

WIDTH

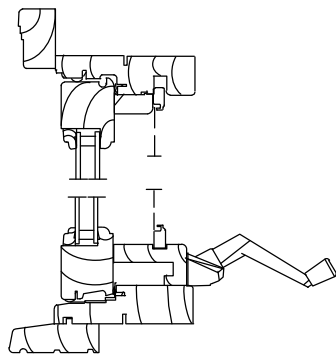
SIZE OM-WIDTH

CN 24	20 27/32"
CN 28	24 27/32"
CN 32	28 27/32"
CN 36	32 27/32"
CN 40	36 27/32"
CN 48	44 27/32"

HEIGHT

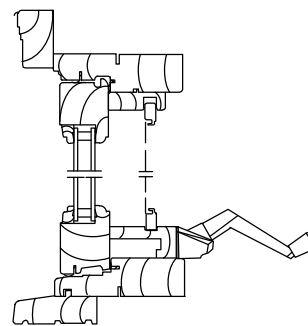
SIZE OM-HEIGHT

CN 20	15 11/16"
CN 24	19 11/16"
CN 28	23 11/16"
CN 32	27 11/16"
CN 36	31 11/16"
CN 40	35 11/16"
CN 48	43 11/16"



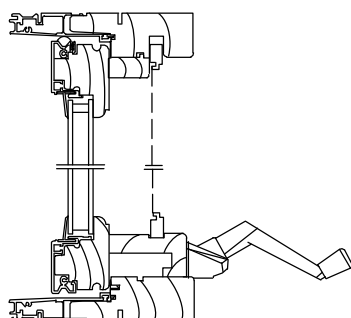
Wood

Effective December 22, 1987 to February 5, 1994. Removal of the screen channel and an increase in the height of the wood hardware cover resulted in a change of screen size.



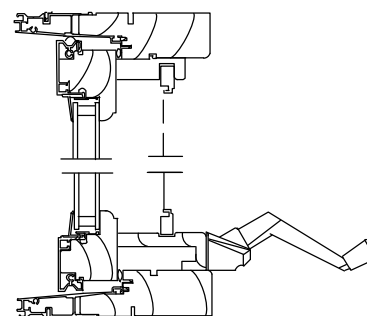
Wood

Effective August 24 to December 21, 1987. Awning units manufactured between these dates utilized a screen channel.



Clad

Effective December 22, 1987 to April 5, 1993. Removal of the screen channel resulted in a change of screen size.



Clad

Effective October 20, 1987 to December 21, 1987. Awnings manufactured during this time utilized a screen channel.

Awning Screen Sizes

**Wood – manufactured from
December 22, 1987 to February 5, 1994**

**Clad – manufactured from
December 22, 1987 to April 5, 1993**
Daylight Opening to OM of Screen

Daylight Width + 2" = OM Width of Screen

Daylight Height + 2 5/8" = OM Height of Screen

NOTE: Screens feature clear (clad) or black (wood) finger pull/leaf spring type mounting system.

WIDTH

SIZE OM-WIDTH

CN 24	20 1/2"
CN 28	24 1/2"
CN 32	28 1/2"
CN 36	32 1/2"
CN 40	36 1/2"
CN 48	44 1/2"

HEIGHT

SIZE OM-HEIGHT

CN 20	15 7/16"
CN 24	19 7/16"
CN 28	23 7/16"
CN 32	27 7/16"
CN 36	31 7/16"
CN 40	35 7/16"
CN 48	43 7/16"

Awning Screen Sizes

**Wood – manufactured from
August 24, 1987 to December 21, 1987**

**Clad – manufactured from
October 20, 1987 to December 21, 1987**
Daylight Opening to OM of Screen

Daylight Width + 2" = OM Width of Screen

Daylight Height + 2 1/4" = OM Height of Screen

NOTE: Screens feature black finger pull/leaf spring type mounting system.

WIDTH

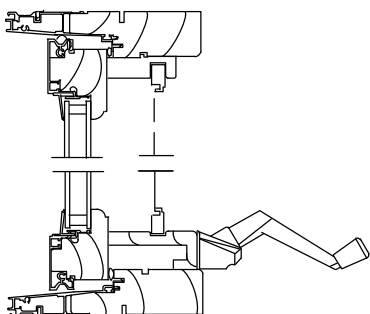
SIZE OM-WIDTH

CN 24	20 1/2"
CN 28	24 1/2"
CN 32	28 1/2"
CN 36	32 1/2"
CN 40	36 1/2"
CN 48	44 1/2"

HEIGHT

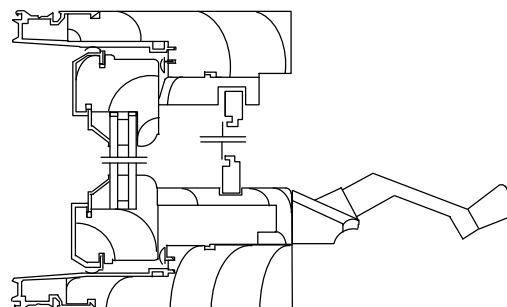
SIZE OM-HEIGHT

CN 20	15 1/16"
CN 24	19 1/16"
CN 28	23 1/16"
CN 32	27 1/16"
CN 40	35 1/16"
CN 48	43 1/16"



Clad Extruded Aluminum

Effective May 18, 1987 to October 19, 1987. Sash manufactured with extruded aluminum cladding.



Clad Rolled Aluminum

Units manufactured before May 17, 1987 were manufactured with rolled aluminum cladding.

Clad Awning Screen Sizes Manufactured from May 18, 1987 to October 19, 1987 Daylight Opening to OM of Screen

Daylight Width + 2" = OM Width of Screen

Daylight Height + 2 1/4" = OM Height of Screen

NOTE: Screens feature black finger pull/leaf spring type mounting system.

WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 24	20 1/2"	CN 20	15 15/16"
CN 32	28 1/2"	CN 24	19 15/16"
CN 36	32 1/2"	CN 28	23 15/16"
CN 40	36 1/2"		
CN 48	44 1/2"		

Clad Awning Screen Sizes Manufactured before May 17, 1987 Daylight Opening to OM of Screen

Daylight Width + 3 9/16" = OM Width of Screen

Daylight Height + 1 3/8" = OM Height of Screen

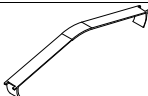
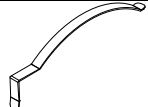

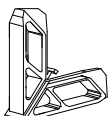
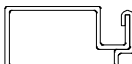
NOTE: Screens feature black finger pull/leaf spring type mounting system.

WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 24	21 1/4"	CN 20	15 7/8"
CN 32	29 1/4"	CN 24	19 7/8"
CN 36	33 1/4"	CN 28	23 7/8"
CN 40	37 1/4"		
CN 48	45 1/4"		

CASEMASTER SCREEN PARTS

The following parts are used on Casemaster screens. When ordering replacement parts specify:

1. part number;
2. quantity.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Leaf Spring For Aluminum Screens		11868835
	Bow Spring For Wood Screens		11868020
	Screen Lift for Aluminum Screen Package of 2	TP SW BZ	11873306 11873300 11873301
	Corner Key, Screen MISC 051	03 BZ SW TP/PB BN CL EG	11867865 11867875 11867863 11867864 11867866 11867868
	Screen Surround, Aluminum Profile A135 Available in 150" (3810) length	TP 03 BZ SW PB BN EG	15231350 15231299 18801120 15231150 15231499 15230199

ORDERING ENERGY PANELS FOR CASEMASTER

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Find the sizes that correspond to the width and height indicated on the following charts. Energy panels are available for Casemaster with bronze, stone white, brown, pebble gray or arctic white aluminum surrounds.

When ordering energy panels specify:

1. size; If there is no existing EP from which to obtain the OM of the panel, determine the size of the EP by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color of surround;
3. glass type.

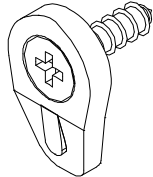
Casemaster Manufactured between 1968 – Present			
Daylight Opening to OM of EP			
Daylight Width + 1 1/8" = OM Width of EP		Daylight Height + 1 1/8" = OM Height of EP	
WIDTH		HEIGHT	
SIZE	OM WIDTH	SIZE	OM HEIGHT
CN 16	11 5/8"	CN 24	17 15/16"
CN 20	15 5/8"	CN 32	25 15/16"
CN 24	19 5/8"	CN 36	29 15/16"
CN 28	23 5/8"	CN 40	33 15/16"
CN 32	27 5/8"	CN 48	41 15/16"
CN 36	31 5/8"	CN 56	49 15/16"
CN 40	35 5/8"	CN 60	53 15/16"
CN 48	43 5/8"	CN 64	57 15/16"
CN 56	51 5/8"	CN 72	65 15/16"
CN 60	55 5/8"		
CN 64	59 5/8"		
CN 72	67 5/8"		

CASEMASTER 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 panel parts specify:

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

ILLUSTRATION NOT TO SCALE	DESCRIPTION	PART NUMBER		
	Turn Buttons with SS Screws #8x3/4"	<u>Each</u>	<u>Pkg of 8</u>	<u>Pkg of 100</u>
		AR 11869310	N/A	11869316
		BZ 11869311	11869451	11869317
		PB 11869312	11869452	11869318
		BN 11869313	11869453	11869319
		SW 11869314	11869454	11869320
		CL 11869315	11869455	11869321

ORDERING ENERGY PANELS FOR AWNING

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Find the sizes that correspond to the width and height indicated on the following charts. Energy panels are available for Awning units with bronze, stone white, brown, pebble gray or arctic white aluminum surrounds.

When ordering energy panels specify:

1. size; If there is no existing EP from which to obtain the OM of the panel, determine the size of the EP by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color of surround;
3. glass type.

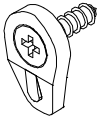
Wood Awning Manufactured after August 24, 1987. Daylight Opening to OM of EP Daylight Width + 1 1/8" = OM Width of EP Daylight Height + 1 1/8" = OM Height of EP				Clad Awning Manufactured before May 18, 1987. NOTE: EP's are not available on Clad Awning units manufactured after this date. Daylight Opening to OM of EP Daylight Width + 1 1/8" = OM Width of EP Daylight Height + 1 1/8" = OM Height of EP			
WIDTH		HEIGHT		WIDTH		HEIGHT	
SIZE	OM WIDTH	SIZE	OM HEIGHT	SIZE	OM WIDTH	SIZE	OM HEIGHT
CN 24	19 5/8"	CN 20	13 15/16"	CN 24	18 13/16"	CN 20	15 5/8"
CN 28	23 5/8"	CN 24	17 15/16"	CN 32	26 13/16"	CN 24	19 5/8"
CN 32	27 5/8"	CN 28	21 15/16"	CN 36	30 13/16"	CN 28	23 5/8"
CN 36	31 5/8"	CN 32	25 15/16"	CN 40	34 13/16"		
CN 40	35 5/8"	CN 36	29 15/16"	CN 48	42 13/16"		
CN 48	43 5/8"	CN 40	33 15/16"				
		CN 48	41 15/16"				

AWNING ENERGY PANEL PARTS

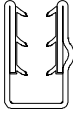



Energy panels are attached with turn buttons. Turn button styles may vary depending on current stock. You will receive the most current style in the color of your choice. (Obsolete black turn buttons will be replaced by brown.)

When ordering energy panels parts specify:

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

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	PART NUMBER			
	Turn Buttons with SS Screws #8x3/4"	<u>Each</u>	<u>Pkg of 8</u>	<u>Pkg of 50</u>	<u>Pkg of 100</u>
		AR 11869290	N/A	11869310	11869316
		BZ 11869291	11869451	11869311	11869317
		PB 11869292	11869452	11869312	11869318
		BN 11869293	11869453	11869313	11869319
		SW 11869294	11869454	11869314	11869320
		CL 11869309	11869455	11869315	11869321

ENERGY PANELS AND PARTS

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Energy Panel Surround, Aluminum Profile A155 Stile and bottom rail For single strength glass – 3/32" (2.5) Available in 150" (3810) length	SW	15246299
		BZ	15243399
		PB	15243299
		BN	15243199
	Energy Panel Surround, Aluminum Profile A157 Stile and bottom rail For double strength glass – 1/8" (3.0) Available in 150" (3810) length	SW	15246199
		BZ	15244299
		PB	15244199
		BN	15244099
	Energy Panel Surround, Aluminum Profile With seal A159 Top rail For single strength glass – 3/32" (2.5) Available in 150" (3810) length	SW	15246499
		BZ	15245299
		PB	15245199
		BN	15245099
	Energy Panel Surround, Aluminum Profile With seal A162 Top rail For double strength glass – 1/8" (3.0) Available in 150" (3810) length	SW	15245999
		BZ	15245799
		PB	15245699
		BN	15245599

When ordering obsolete Casemaster parts specify:

1. type of unit;
2. part number;
3. description;
4. year of manufacture (if possible).

NOTE: **Standard** hardware (unless noted) will be supplied with Yellow Zinc Dichromate (YZD) coating until stocks are depleted, E-Gard coated hardware will then be substituted. **Components with "YZD" specified as the color are only available with Yellow Zinc Dichromate (YZD) coating.**

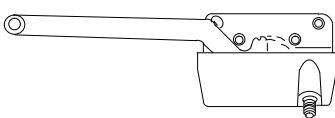
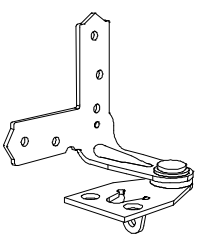
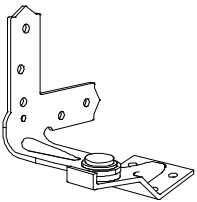

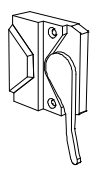
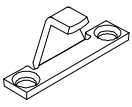
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
<p>← Specify Length →</p>  <p>6 1/2" length – under CN 20 9 1/2" length – CN 20 13 1/2" length – CN 24 and over</p>	<p>Single Arm Roto-gear, Special Offset Arm Casements and Casemasters between 1976 – 1982, butt hinge and /or radius or polygon shapes until 1990.</p> <p>Available in 3 arm lengths. Customer must specify arm length measured from center of roto-gear to end of the arm.</p> <p>Available in bronze only <i>Includes:</i> 1 – Single arm roto-gear 4 – #10x1" Phillips flat head wood screws (11801011)</p> <p>NOTE: This roto-gear may also be used for replacement on units manufactured between 1968 – 1976.</p>	<p>6 1/2" Length LH RH</p> <p>9 1/2" Length LH RH</p> <p>13 1/2" Length LH RH</p>	<p>Check Availability</p> <p>05590212 05590222</p> <p>05590312 05590322</p>
	<p>Outboard Casement Hinge, Top Riveted Casements before 1979 Bolted hinges no longer available <i>Includes:</i> 1 – Top casement hinge 2 – #10x1" Phillips flat head screws 5 – #10x11/16" Phillips pan head screws 1 – #10x1" Phillips pan head screw</p>	<p>LH RH</p>	<p>Contact Marvin</p>
	<p>Outboard Casement Hinge, Bottom Riveted Casements before 1979 Bolted hinges no longer available <i>Includes:</i> 1 – Bottom casement hinge 9 – #10x11/16" Phillips pan head screws</p>	<p>LH RH</p>	<p>Contact Marvin</p>
	<p>Casement Hinge, Center Riveted Casements before 1979 <i>Includes:</i> 1 – Center casement hinge 6 – #10x11/16" Phillips pan head screws</p>	<p>LH RH</p>	<p>No longer available</p>
	<p>Lock, Sash Used between 1979–1982. Available in Bronze only. LH is not available. <i>Includes:</i> 1 – Lock 2 – #8x1" Phillips flat head wood screws (11800811)</p>	<p>(LH) RH</p>	<p>(05590511) 05590521</p>
	<p>Keeper, Sash Lock Used between 1979–1982 <i>Includes:</i> 1 – Keeper 2 – #7x7/8" Phillips flat head wood screws</p>		<p>No longer available</p>

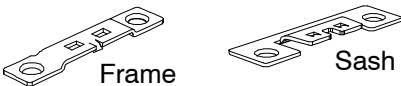

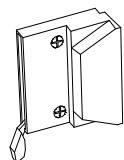
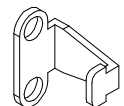
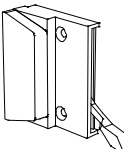

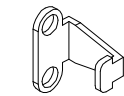
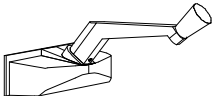
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Stationary Sash Clip, Casement Used before 1979	Mill Finish	NA
	Stationary Sash Clip, Casemaster Used before 1985	Mill Finish	NA
	Lock, Sash, Low Profile Casemaster between 1983 and early 1994 <i>Includes:</i> 1 – Lock 2 – #8x1" Phillips flat head wood screws BZ – 11800811 WH – 10840018	LH BZ RH BZ LH WH RH WH LH BS RH BS	10816042 10816043 10840039 10840040 05600038 05600041
	Keeper, Sash Lock Used between 1983 and early 1994 <i>Includes:</i> 1 – Keeper 2 – #7HD – #8x1" Phillips flat head wood screws (11800773)		10820622
	Keeper, Sash Lock, Stainless Steel Used between 1983 and early 1994 <i>Includes:</i> 1 – SS keeper 2 – SS #8x1" Phillips flat head wood screws (11800896)	SS	02062626
	Lock, Tandem Casemaster between 1983 and early 1994 <i>Includes:</i> 1 – Lock 2 – #8x1" Phillips flat head wood screws BZ – 11800811 WH – 10840018	BZ WH	05590611 00840026
	Tie Bar for Tandem Lock	Mill Finish	05590631
	Keeper, Tandem Sash Lock Used between 1983 and early 1994		NA
	Straight Handle and Cover Package Used between 1982 and early 1994 <i>Includes:</i> 1 – Handle 1 – Cover	BZ WH BS	10898231 10840025 NA

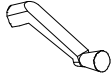
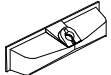
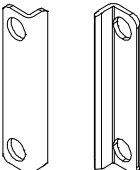
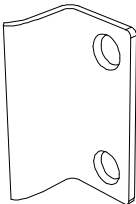
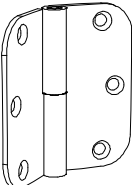
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Handle, Straight Used between 1982 and early 1994	BZ WH BS	10898230 10840007 NA
	Handle Cover, Straight Used between 1982 and early 1994	BZ WH BS	10810341 (10840008) NA NA
	Snubber, Concealed Wood Casemaster between 1992 and February 1994 Clad Casemaster between 1992 and April 1993 2 per package <i>Includes:</i> 2 - Snubbers 10899104 2 - #7x5/8" Phillips flat head screws (11800743) 2 - #7x7/8" Phillips flat head screws (11800798)		11873198
	Snubber, Concealed, Stainless Steel Wood Casemaster between 1992 and February 1994 Clad Casemaster between 1992 and April 1993 2 per package <i>Includes:</i> 2 - SS snubbers 10899106 2 - SS #7x5/8" Phillips flat head screws (11800736) 2 - SS #7x7/8" Phillips flat head screws (11800777)	SS	11873199
	Sash Snubber, Side Jamb Wood Casemaster between 1975 and 1992 Clad Casemaster between 1975 and 1992 <i>Includes:</i> 1 - Snubber 2 - #7x7/8" screws		N/A
	Sash Snubber, Side Jamb, Stainless Steel Wood Casemaster between 1975 and 1992 Clad Casemaster between 1975 and 1992 <i>Includes:</i> 1 - SS snubber 2 - SS #7x7/8" screws (11800777)	SS	N/A
 NOTE: Hanging on butt hinges (only) is viewed from the interior.	Butt Hinge, Stainless Steel NOTE: Used on Round Top operating units manufactured before 1/4/99. <i>Includes:</i> 1 - SS hinge 3 - SS #7x7/8" Phillips head wood screws (11800777) 3 - 8-32x5/8" Phillips head machine screws (05080233) and T-nuts (05080250)	LH RH	10929102 10929103

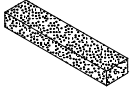
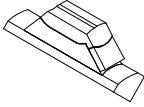

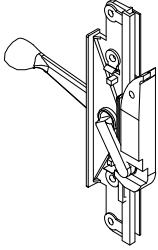
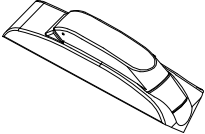
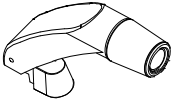
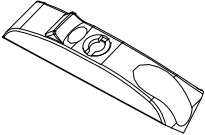
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Foam Pad, Butt Hinge MISC 020 Used with above hinges.		NA
	Handle, Flip	BZ WH BS AB BC PC	NA NA 10814854 10814857 10814856 10814855
	Handle, Circle with set screw	BZ WH BS	05570421 10840022 05600006
	Sequential Lock, Primary Primary cam included <i>Includes:</i> 1 – Primary sequential lock with primary cam 3 – #8x1" Phillips pan head wood screws (11808100)	LH PC RH PC	10816054 10816055
	Folding Handle and Cover Package <i>Parts are available individually (see below).</i>	PC	NA
	Folding Handle <i>Includes:</i> 1 – Handle with set screw	PC	10898332
	Folding Handle Cover <i>Includes:</i> 1 – Cover	PC	10898331

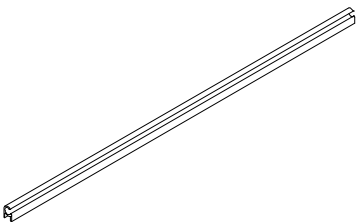
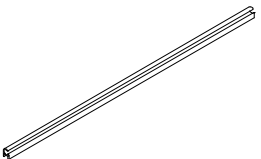
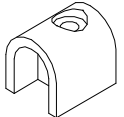

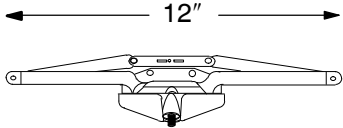
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./C OLOR	PART NO.
	Guide Bar 22" (559) CN 28 width to under CN 36 width 30" (762) CN 36 width and over <i>Includes:</i> 1 – Guide bar 2 – #7x7/8" flathead wood screws		No longer available Replace with 11101222 11101230
	Guide Bar, PowerDrive 6" (152) CN 28 width to under CN 36 10" (254) CN 36 width and over <i>Includes:</i> 1 – Guide bar 2 – #7x7/8" flathead wood screws		No longer available Replace with 11101206 11101210
	End Cap, Guide Bar <i>Includes:</i> 1 – End cap 1 – #8x1 1/2" Phillips flathead wood screw (11800744)		11867840
	Roto-gear Operator Used between 1980 and August 4, 1988 CN 32 width and over Daylight opening width 26 1/2" (673) and over Used with mill finish guide bar <i>Includes:</i> 1 – Roto-gear operator 4 – #8x1" Phillips flathead wood screws (11800810)	BZ	10811600
	Roto-gear Operator Used between 1981 and 1993 CN 16 width to under CN 24 width Daylight opening width under 18 1/2" (470) <i>Includes:</i> 1 – 12" (305) single pull roto operator 4 – #8x1" Phillips flathead wood screws (11800810)	BZ WH BS	10815002 10815003 Check for availability
	Roto-gear Operator, Stainless Steel Used between 1981 and 1993 CN 16 width to under CN 24 width Daylight opening width under 18 1/2" (470) <i>Includes:</i> 1 – SS 12" (305) single pull roto operator 4 – #8x1" Phillips flathead wood screws (11800805)	BZ WH	02051321 02051320

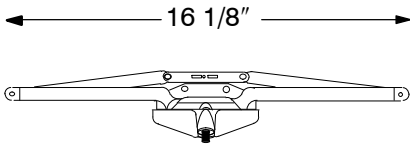
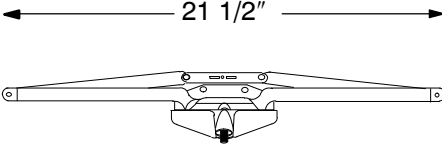
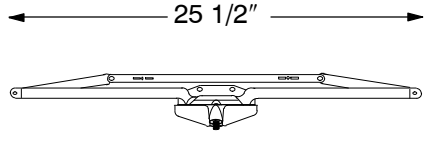
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./C OLOR	PART NO.
	Roto-gear Operator Used between 1981 and 1993 CN 24 width to under CN 28 width Daylight opening width 18 1/2" (470) to under 22 1/2" (572) <i>Includes:</i> 1 – 16 1/8" (410) single pull roto operator 4 – #8x1" Phillips flathead wood screws (11800810)	BZ WH BS	10811201 10840004 05600010
	Roto-gear Operator, Stainless Steel Used between 1981 and 1993 CN 24 width to under CN 28 width Daylight opening width 18 1/2" (470) to under 22 1/2" (572) <i>Includes:</i> 1 – SS 16 1/8" (410) single pull roto operator 4 – #8x1" Phillips flathead wood screws (11800805)	BZ WH	02051323 02051322
	Roto-gear Operator Used between 1981 and 1993 CN 28 width to under CN 32 width Daylight opening width 22 1/2" (572) to under 26 1/2" (673) <i>Includes:</i> 1 – 21 1/2" (546) single pull roto operator 4 – #8x1" Phillips flathead wood screws (11800810)	BZ WH BS	10811001 10840003 05600011
	Roto-gear Operator, Stainless Steel Used between 1981 and 1993 CN 28 width to under CN 32 width Daylight opening width 22 1/2" (572) to under 26 1/2" (673) <i>Includes:</i> 1 – SS 21 1/2" (546) single pull roto operator 4 – #8x1" Phillips flathead wood screws (11800805)	SS BZ WH	02051325 02051324
	Roto-gear Operator Used between 1981 and 1993 CN 32 width and over Daylight opening width 26 1/2, (673) and over <i>Includes:</i> 1 – 25 1/2" (648) dual pull roto operator 4 – #8x1" Phillips flathead wood screws (11800810)	BZ WH BS	10811401 10840005 No longer available
	Roto-gear Operator, Stainless Steel Used between 1981 and 1993 CN 32 width and over Daylight opening width 26 1/2" (673) and over <i>Includes:</i> 1 – SS 25 1/2" (648) dual pull roto operator 4 – #8x1" Phillips flathead wood screws (11800805)	BZ WH	02051327 02051326

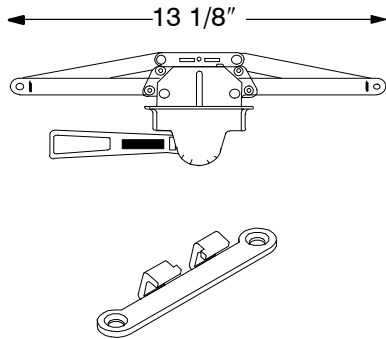
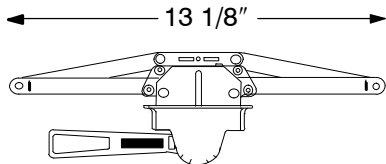
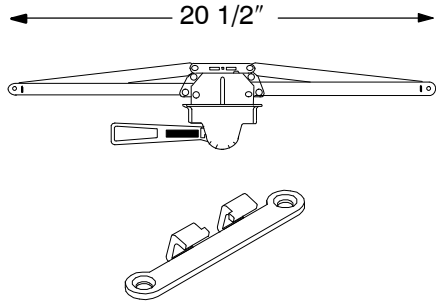
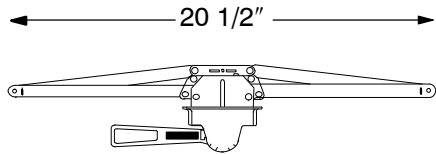
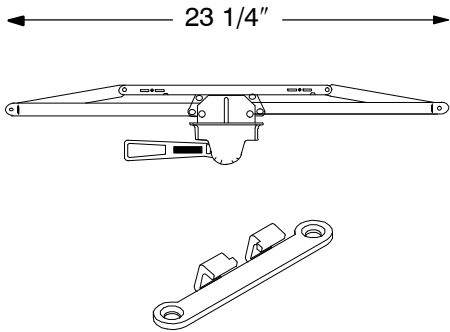
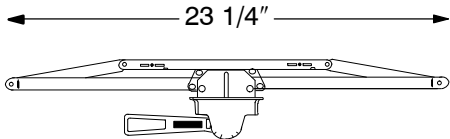
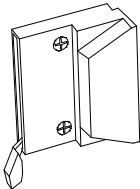
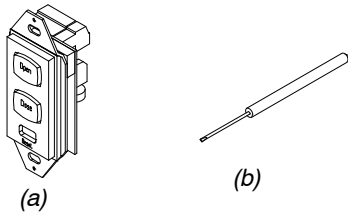
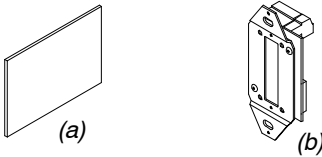
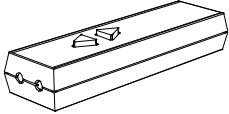
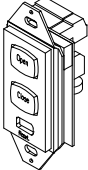
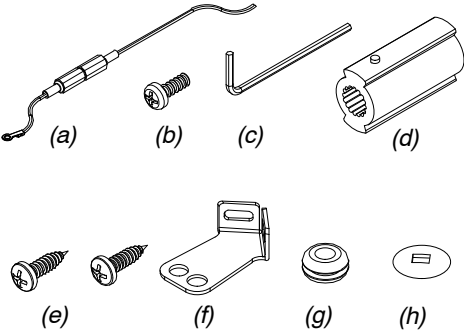
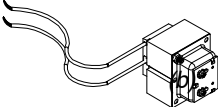
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./C OLOR	PART NO.
	<p>Lever Operator, Complete Used between 1993 and March 30, 2003 CN 16 to under CN 28 width Daylight opening width under 22 1/2" (572) <i>Includes:</i> 1 – 13 1/8" (333) single pull lever operator BZ 10810070 WH 10810072 1 – Sash hook 10820008 4 – #8x1" Phillips flathead wood screws (11800740) 2 – #7HD – #8x1" Phillips flathead screws (11800773)</p>	BZ WH	11869432 11869435
	<p>Lever Operator Used between 1993 and March 30, 2003 CN 16 to under CN 28 width Daylight opening width under 22 1/2" (572) <i>Includes:</i> 1 – 13 1/8" (333) single pull lever operator 4 – #8x1" Phillips flathead wood screws (11800740)</p>	BZ WH BS	10810070 10810072 10814823
	<p>Lever Operator, Complete Used between 1993 and March 30, 2003 CN 28 to under CN 32 width Daylight opening width 22 1/2" (572) to under 26 1/2" (673) <i>Includes:</i> 1 – 20 1/2" (521) single pull lever operator BZ 10810080 WH 10810082 1 – Sash hook 10820008 4 – #8x1" Phillips flathead wood screws (11800740) 2 – #7HD – #8x1" Phillips flathead screws (11800773)</p>	BZ WH	11869433 11869436
	<p>Lever Operator Used between 1993 and March 30, 2003 CN 28 to under CN 32 width Daylight opening width 22 1/2" (572) to under 26 1/2" (673) <i>Includes:</i> 1 – 20 1/2" (521) single pull lever operator 4 – #8x1" Phillips flathead wood screws (11800740)</p>	BZ WH BS	10810080 10810082 10814824

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./C OLOR	PART NO.
	Lever Operator, Complete Used between 1993 and March 30, 2003 CN 32 width and over Daylight opening width 26 1/2" (673) and over <i>Includes:</i> 1 – 23 1/4" (591) dual pull lever operator BZ 10810090 WH 10810092 2 – Sash hooks 10820008 4 – #8x1" Phillips flathead wood screws (11800740) 4 – #7HD – #8x1" Phillips flathead screws (11800773)	BZ WH	11869434 11869437
	Lever Operator Used between 1993 and March 30, 2003 CN 32 width and over Daylight opening width 26 1/2" (673) and over <i>Includes:</i> 1 – 23 1/4" (591) dual pull lever operator 4 – #8x1" Phillips flathead wood screws (11800740)	BZ WH BS	10810090 10810092 10814825
	Lock, Sash, Low Profile Awning between late 1987 – early 1994 <i>Includes:</i> 1 – Lock 2 – #8x1" Phillips flathead wood screws BZ – 11800811 WH – 10840018	LH BZ RH BZ LH WH RH WH LH BS RH BS	10816042 10816043 10840039 10840040 NA (05600041) NA replaced with 10814906

POWERDRIVE CONSISTS OF THE FOLLOWING COMPONENTS:

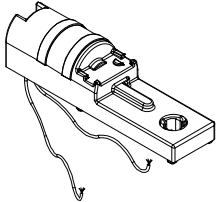
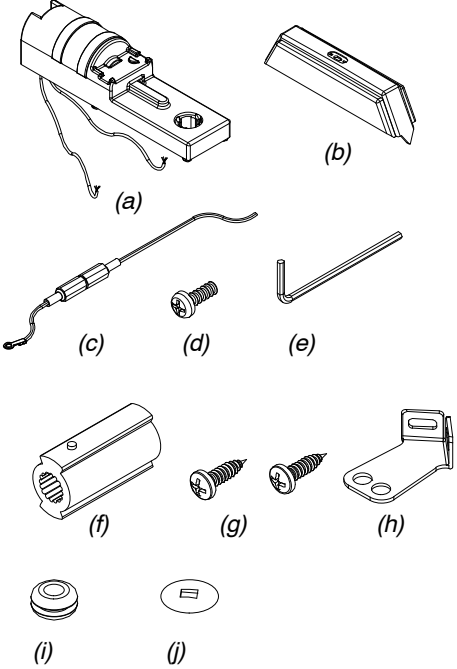
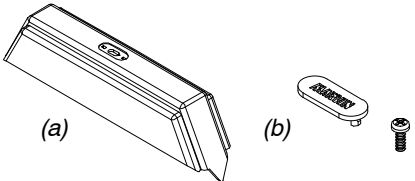
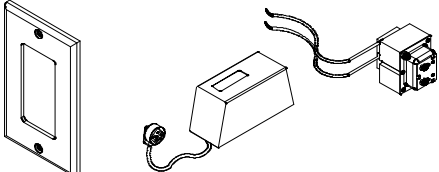
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
<p>(a) Operator Motor (b) Wall Switch (c) Decorative Switch Plate (d) Rain Sensor (e) Transformer (f) Decorative Cover (g) Decorative Button (h) Transformer Mounting Plate (i) Hex Washer Head Mounting Screws (j) Hardware (k) Screen Interlock (l) Screen Interlock Mounting Screws (m) Hex Wrench (n) Spline Adaptor (o) #8 x 5/8 Pan head Bracket Screws (p) Bracket (q) Isolation Grommet (r) Push on Fastener</p>	Sentry 2000 Operator Kit, Complete <i>Includes:</i> 1 – Operator Motor (a) 1 – Wall Switch (b) 1 – Decorative Switch Plate (c) 1 – Rain Sensor (d) 1 – Transformer (e) 1 – Decorative Cover (f) 1 – Decorative Button (g) 1 – Transformer Mounting Plate (h) 2 – Hex Washer Head Mounting Screws (i) 1 – Hardware 1 – Screen Interlock (j) 2 – Screen Interlock Mounting Screws (k) 1 – Hex Wrench (l) 1 – Spline Adaptor (m) 2 – #8 x 5/8 Pan head Bracket Screws (n) 1 – Bracket (o) 1 – Isolation Grommet (p) 1 – Push on Fastener (q)	TP BZ WH	No longer available No longer available No longer available

OBSOLETE POWERDRIVE PARTS

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>(a) (b)</p>	Sentry 2000 Module <i>Includes:</i> 1 – Wall Switch (a) 1 – Tool (b)		05570504
 <p>(a) (b)</p>	Infrared Receiver with Rain Sensor <i>Includes:</i> 1 – Infrared Plate (a) 1 – Infrared Receiver (b)		05570505
	Hand Held Remote		05570506
	Remote Switch (RS) Module <i>Includes:</i> 1 – Wall Switch (a)		05570507
 <p>(a) (b) (c) (d) (e) (f) (g) (h)</p>	Hardware Pack, Sentry 2000 <i>Includes:</i> 1 – Screen Interlock (a) 2 – Screen Interlock Mounting Screws (b) 1 – Hex Wrench (c) 1 – Spline Adaptor (d) 2 – #8 x 5/8 Pan head Bracket Screws (e) 1 – Bracket (f) 1 – Isolation Grommet (g) 1 – Push on Fastener (h)		No longer available use 05570557
	Transformer, Sentry 2000		05570519

NOTE: Decorative Switch Plates and Rain Sensors are no longer available.

OBSOLETE POWERDRIVE PARTS

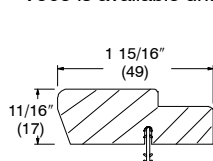
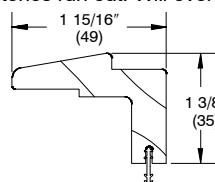
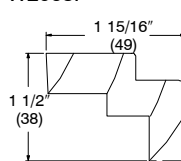
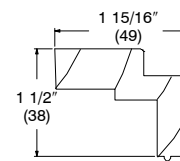
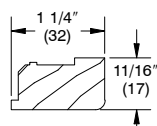
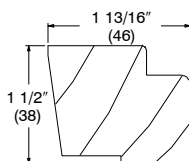
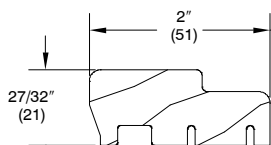
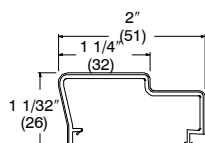
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Replacement Operator Motor For Sentry 2000 or Sentry II		05570543
	Motor Drive <i>Includes:</i> 1 – Operator Motor (a) 1 – Decorative Cover (b) 1 – Hardware 1 – Screen Interlock (c) 2 – Screen Interlock Mounting Screws (d) 1 – Hex Wrench (e) 1 – Spline Adaptor (f) 2 – #8 x 5/8 Pan head Bracket Screws (g) 1 – Bracket (h) 1 – Isolation Grommet (i) 1 – Push on Fastener (j)	TP BZ WH	No longer available No longer available No longer available
	Decorative Cover Kit For Sentry II and Sentry 2000 Operator <i>Includes:</i> 1 – Motor Cover (a) 1 – Decorative Button w/screw(b)	TP BZ WH	05570554 05570556 05570555
	Wintrol Model 1000 Kit Used from 1989–1993 Available as a complete kit only.	WH BZ	05570452 05570453

OBSOLETE REPLACEMENT WOOD AND VINYL PARTS/INTERIOR

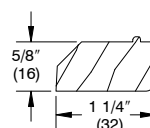
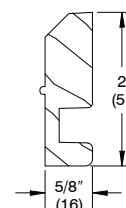
	Clad Pre-April 15, 1993 (Black Screen tabs)	Clad April 15, 1993 January 28, 1994 (Clear Screen Tab)	Wood Pre-2-7-94	Stationary Units Wood and Clad from 1994 to 3-31-03	Operating Units Clad 1-31-94 Wood 2-7-94 to 3-31-03 screens with bayonets
Hardware Cover Operator	W7022	W7020 W7022	W7020 W7022		W7018
Sill Cover Stationary	W7026	W7026	W7026	W7018	
Screen Channel Operator/ Side Stop	W7028	W7028	W7028		V905**/W2068
Jamb Stop Stationary	W7034	W7034	W7034	W7015*	
Head Jamb Stop Stationary	W7034	W7034	W7034	W7001*	
Head Jamb Stop Operator	W7032	W7032	W7032		W7016

* Same as current, See page 2.19.

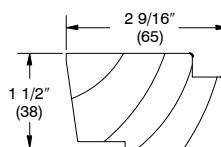
** V905 is available until inventories run out. Will eventually be replaced by W2068.

W7016 – Head Jamb
Stop OperatorW7018 – Sill Cover Operator
**No longer available in
alternate species.**W7022 – Hardware Cover
Operator (CN 20 and over)W7020 – Hardware Cover
Operator (CN under 20)
**No longer available in
alternate species.**W7034 – Jamb Stop
Stationary and Picture Unit
Head Jamb Stop Stationary
and Picture UnitW7026 – Sill Cover
Stationary and
Picture UnitW2068 – Side Stop
Will replace V905

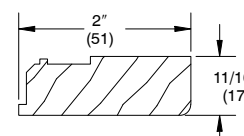
V905** – Side Stop

W7032 – Head Jamb
Stop OperatorW7028 – Screen
Channel Operator**REPLACEMENT WOOD PARTS/INTERIOR – OBSOLETE PICTURE UNITS**

NOTE: These parts must be utilized when 2 1/2" picture unit sash is being replaced with current 1 3/4" – 1" glazed sash.



W7045 – Stationary Sill Cover



W7046 – Stationary Inside Stop

TO ORDER REPLACEMENT WOOD PARTS

When ordering replacement wood parts specify:

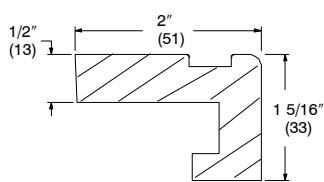
1. profile number;
2. call number or rough opening;
3. 6/4 or 5/4 frame (clad units only);
NOTE: On April 15, 1993 Clad Casemaster frame parts changed from 6/4 to 5/4 material resulting in a 1/4" increase in length.
4. type of operation:
 - a. dual arm
 - b. egress
 - c. dyad (CN under 20)
 - d. single arm with cover (round top/polygon);
5. left hand or right hand operation as determined from the location of the hinge on the exterior of the unit;
6. length;
7. finish.

OBSOLETE REPLACEMENT WOOD AND VINYL PARTS/INTERIOR

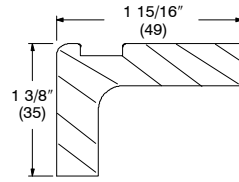
	Clad and Wood before April, 1993 (Black Screen tabs)	Clad between April 15, 1993 to January 28, 1994 Clear Screen Tab	Wood August 16, 1993 to February 4, 1994 (Black screen tabs)	Wood and Clad from 1994 change	Clad & Wood Feb. 7, 1994 – March 31, 2003
Hardware Cover Operator	W7024	W7024-501	W7024-501		W7018* (Roto) W7025-501 (Lever)
Sill Cover Stationary	W7026	W7026	W7026	W7018*	W7018*
Jamb Stop Stationary	W7034	W7034	W7034	(to 7/98) W7019	W7015*
Head Jamb Stop Stationary	W7034	W7034	W7034	W7001*	W7001*
Head Jamb Stop Operator	W7032	W7032	W7032		W7016
Jamb Stop Operator	W7030	W7030	W7030		V905**/W2068
Filler, Stationary Screen Channel	W7031	W7031	W7031		

* Same as current.

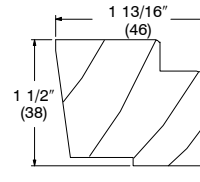
** V905 is available until inventories run out. Will eventually be replaced by W2068.



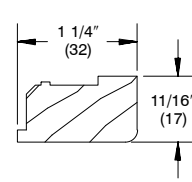
W7024 – Hardware Cover Operator



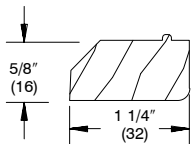
W7024-501 – Hardware Cover Operator



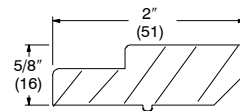
W7026 – Sill Cover Stationary and Picture Unit



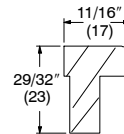
W7034 – Inside Stop Stationary and Picture Unit Head Jamb Stop Stationary and Picture Unit



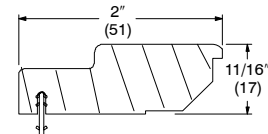
W7032 – Head Jamb Stop Operator



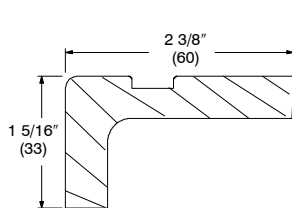
W7030 – Jamb Stop Operator



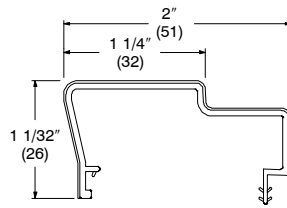
W7031 – Filler, Stationary Screen Channel



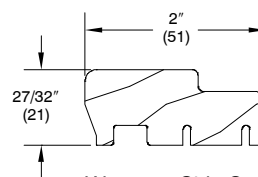
W7019 – Jamb Stop Stationary



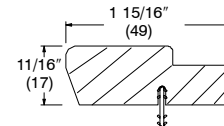
W7025-501 – Hardware Cover Lever Operator



V905** – Side Stop



W2068 – Side Stop Will replace V905



W7016 – Head Jamb Stop Operator

TO ORDER REPLACEMENT WOOD PARTS

When ordering replacement wood parts specify:

1. profile number;
2. call number or rough opening;
3. 6/4 or 5/4 frame (clad units only);

NOTE: On April 15, 1993 clad awning frame parts changed from 6/4 to 5/4 material resulting in a 1/4" increase in length.

4. type of operation:
 - a. roto
 - b. lever
5. length;
6. finish.

ORDERING OBSOLETE REPLACEMENT OPERATOR OR STATIONARY SASH FOR CASEMASTER AND AWNING UNITS

Clad units using a cam lock manufactured before January 31, 1994.

Wood units using a cam lock manufactured before February 7, 1994.

When ordering replacement operating or stationary sash specify:

1. size (call number or OM of sash);
 NOTE: Standard size Awning units manufactured before October 1987 **MUST** specify call number **AND** OM of sash.
2. operation:
 - a. roto (Awning)
 - b. lever (Awning)
3. glazing;
4. finish;
5. prep for cam lock.

ORDERING REPLACEMENT SASH FOR OBSOLETE CASEMASTER PICTURE UNITS

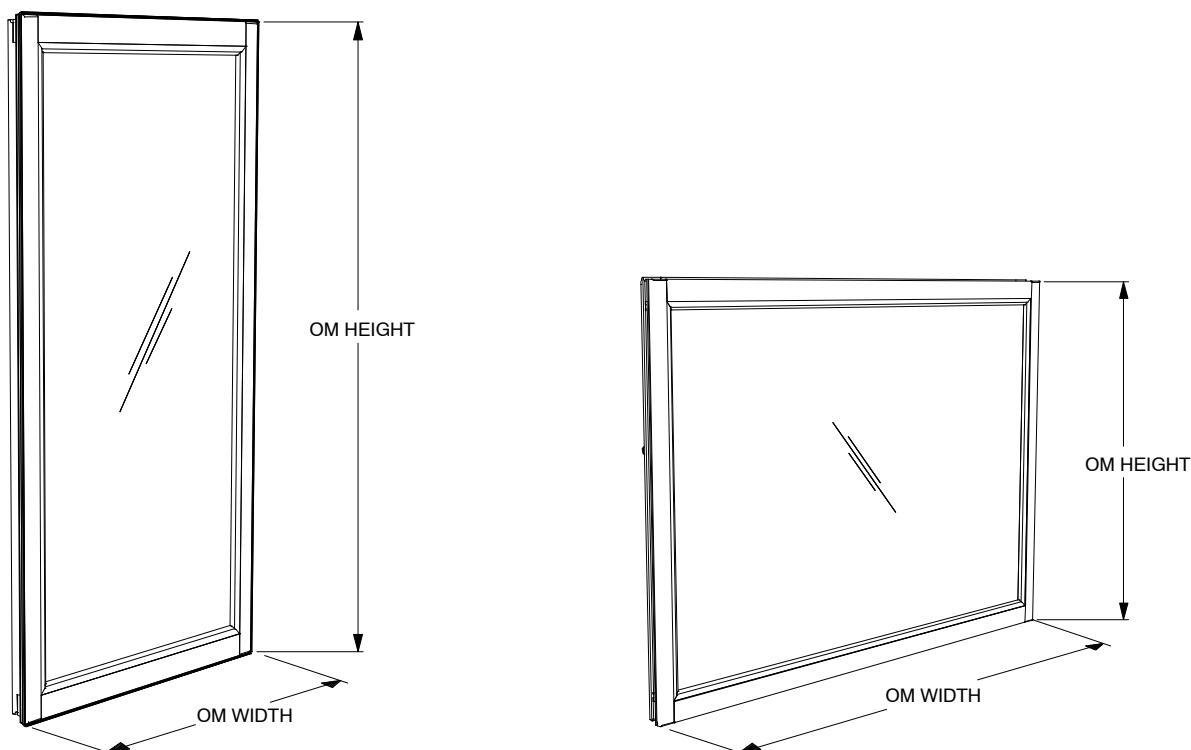
Clad units manufactured before August 20, 1987.

Wood units manufactured before February 7, 1994.

When ordering replacement picture sash specify:

1. size (call number or OM of sash);
2. glazing: 3/4" IG or 1" IG;
3. finish.

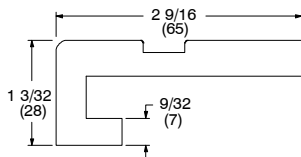
NOTE: 2 1/2" Picture Sash is no longer available and has been replaced with 1" IG Picture Sash plus a new set of interior stops (W7045 and W7046) must be ordered.

SASH OUTSIDE MEASUREMENT


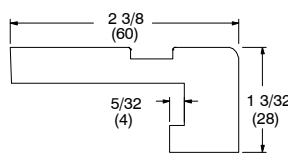
Exterior View

OBSOLETE REPLACEMENT WOOD PARTS/INTERIOR

Hardware Cover Operator/Wood and Clad	W7042 Used before June 1987. W7027 Used between June 1987 – December 22, 1987 W7021 Used between December 22, 1987 – May 1 1989
Hardware Cover Lever Operator/Wood and Clad	W7025-200 Used between April 1992 and May 1993
Screen Channel/Wood and Clad	W7028 Used before December 1987



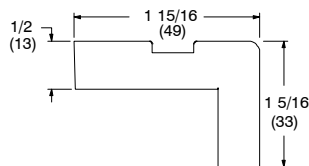
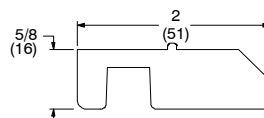
W7042 – Hardware Cover Operator



W7027 – Hardware Cover Operator



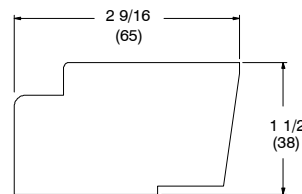
W7021 – Hardware Cover Operator

W7025-200 – Hardware Cover
Lever Operator

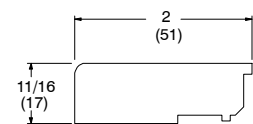
W7028 – Screen Channel

OBSOLETE REPLACEMENT WOOD PARTS/INTERIOR – PICTURE UNITS

NOTE: These parts must be utilized when 2 1/2" picture unit sash is being replaced with current 1 3/4" – 1" glazed sash.



W7045 – Stationary Sill Cover



W7046 – Stationary Inside Stop

TO ORDER REPLACEMENT WOOD PARTS

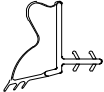



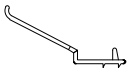


When ordering replacement wood parts specify:

1. profile number;
2. call number or rough opening;
3. type of operation:
 - a. roto
 - b. lever
4. length;
5. finish.

OBSOLETE CASEMASTER WEATHER STRIP

When ordering replacement weather strip specify:

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

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	LENGTH	PART NUMBER
	Foam Weather Strip, Frame V124 Color: Beige From '93/'94 – 4/21/97		Replace with V138
	Offset Bulb Weather Strip, Jamb V194 Wood from 1979 – February 1994 Clad from 1979 – April 1993 Color: Beige	84" (2134)	15900007
	Offset Bulb Weather Strip, Head Jamb and Sill V192 Color: Beige Used before April 1993	84" (2134)	15900058
	Flex-Leg Weather Strip, Sash V191 Color: Beige	150" (3810)	Replace with V195
	Leaf Weather Strip, Sash V673 Clad mid-1987 through 1992 (top rail only) Color: Beige Replacement for V101 and V132. (V132 was used on roll form sash before 1987)	84" (2134) 144" (3658)	15899984 15899999
	Leaf Weather Strip, Sash V101 Wood before October 1992 Clad before October 1991 Color: White or Black		NA Replaced with V673
	Bulb Weather Strip V113 Used before 1979 on casement frames Color: Beige	150" (3810)	15619698

ORDERING REPLACEMENT SCREENS FOR CASEMENT

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. Determine the outside measurement of the existing screen. Find the sizes that correspond to the width and height indicated on the following charts. Surrounds are available in bronze, white, brown and pebble gray.

When ordering replacement screen specify:

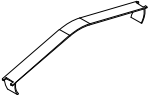
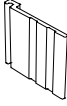

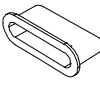
1. size; – If there is no existing screen from which to obtain the OM of the screen, determine the size of the screen by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color;
3. mesh type (if other than standard).

Note: Gold tone screen surround is no longer available.



Casement Screen Sizes Manufactured between April of 1977 and 1979			
Daylight Opening to OM of Screen			
Daylight Width + 2 1/16" = OM Width of Screen Daylight Height + 2 5/8" = OM Height of Screen			
OM Width	18 9/16"	22 9/16"	31 1/16"
OM Height	<u>SIZE</u>	<u>SIZE</u>	<u>SIZE</u>
27 7/16"	101	201	301
35 7/16"	111	211	311
43 7/16"	121	221	321
47 7/16"	1A1	2A1	3A1
51 7/16"	131	231	331
59 7/16"	141	241	341
67 7/16"	151	251	351

Casement Screen Sizes Manufactured before April of 1977			
Daylight Opening to OM of Screen			
Daylight Width + 2 1/16" = OM Width of Screen Daylight Height + 2 7/16" = OM Height of Screen			
OM Width	18 9/16"	22 9/16"	31 1/16"
OM Height	<u>SIZE</u>	<u>SIZE</u>	<u>SIZE</u>
27 1/4"	101	201	301
35 1/4"	111	211	311
43 1/4"	121	221	321
47 1/4"	1A1	2A1	3A1
51 1/4"	131	231	331
59 1/4"	141	241	341
67 1/4"	151	251	351

OBSOLETE – SCREENS AND SCREEN PARTS**OBSOLETE SCREEN PARTS**

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	OPER./ COLOR	PART NO.
	Leaf Spring M0104 Used between 1975–1994		11868835
	Finger Pull, Clear V254 Used between 1993–1994 Replaces black finger pull		11860350
	Bayonet Latch	LH Dark BZ RH Dark BZ LH 03 BZ RH 03 BZ LH WH RH WH PB	11040385 11040386 11040387 11040388 11040380 11040381 N/A
	Receptacle M556	Beige	11869624

OBSOLETE SCREEN PARTS (2003–2004)

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	OPER./ COLOR	PART NO.
	Screen Lift for Aluminum Screen Package of 2	PC BS AB SC SN ORBZ	11873305 11873302 11873303 11873304 11873308 11873307
	Screen Lift for Wood Screens Package of 2	PC TP SW BZ BS AB SC SN ORBZ	11873315 11873316 11873310 11873311 11873312 11873313 11873314 11873318 11873317

ORDERING ENERGY PANELS FOR CASEMENT

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Find the sizes that correspond to the width and height indicated on the following charts. Energy panels are available for Casement with bronze, white, brown or pebble gray aluminum surrounds.

When ordering energy panels specify:

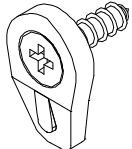
1. size; If there is no existing EP from which to obtain the OM of the panel, determine the size of the EP by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color of surround;
3. glass type.

Casement EP Units manufactured between 1957 – 1978			
Daylight Opening to OM of EP Daylight Width + 1 1/8" = OM Width of EP Daylight Height + 1 1/8" = OM Height of EP			
OM Width	17 5/8"	21 5/8"	30 1/8"
OM Height	<u>SIZE</u>	<u>SIZE</u>	<u>SIZE</u>
25 15/16"	101	201	301
33 15/16"	111	211	311
41 15/16"	121	221	321
45 15/16"	1A1	2A1	3A1
49 15/16"	131	231	331
57 15/16"	141	241	341
65 15/16"	151	251	351

CASEMENT 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. (discontinued black turn buttons will be replaced by brown.)

When ordering specify the quantity, description, color and part number.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	PART NUMBER		
 AR available by each only 11869310	Turn Buttons with SS Screws #8x3/4"	<u>Pkg of 50</u>	<u>Pkg of 8</u>	<u>Pkg of 100</u>
		AR	NA	11869316
		BZ	11869311	11869451
		PB	11869312	11869452
		BN	11869313	11869453
		SW	11869314	11869454
		CL	11869315	11869455
				11869321

ORDERING REPLACEMENT PARTS TO CHANGE OPERATION

Clad units using a sequential lock manufactured after January 31, 1994.
 Wood units using a sequential lock manufactured after February 7, 1994.

When ordering parts necessary to change stationary, operator or egress:

1. determine size;
2. specify part number and quantity.

STATIONARY TO OPERATOR

- 1 – Dual arm roto-gear or Dyad operator, complete (left or right operation) see page 2.13
- 1 – Hinge pair, complete see page 2.17
- 1 – Sequential lock, primary (left or right operation) see page 2.18
- 1 – Sequential lock, secondary (non-handed, CN 32 height and over) see page 2.18
- Keeper, sequential lock (non-handed) see page 2.18
 - 1 – Keeper under CN 32 height
 - 2 – Keepers CN 32 height and over
- 1 – Tie bar (CN 32 height and over) see page 2.18
- 1 – Snubber, concealed (2 per package) see page 2.19
- 1 – W8461 Head jamb stop see page 2.27
- 1 – W8459 Hardware cover (left hand or right hand) see page 2.27
- 2 – V1162 Side stops (1 for hinge side, 1 for lock side) see page 2.27
- W7009 Tie bar blocks see page 2.18
 - 1 – Block on CN 48 height
 - 2 – Blocks over CN 48 height to under CN 72 height
 - 3 – Blocks CN 72 height and over
- 1 – Screen (optional)

OPERATOR TO STATIONARY

- Stationary brackets, head jamb and sill see page 2.21
 - 4 – CN 36 width
- Stationary brackets, side jamb see page 2.21
 - 4 – CN 24 height to CN 48 height
 - 6 – over CN 48 height
- 1 – W8723 Sill cover see page 2.27
- 2 – W7015 Jamb stop see page 2.27
- 1 – W7001 Head jamb stop see page 2.27

OPERATING CASEMASTER TO EGRESS

- 1 – Egress dual arm roto-gear operator, complete (left hand or right hand) see page 2.14
- 1 – Hinge pair, complete see page 2.17
- 1 – W8459 Hardware cover (left hand or right hand, notched for egress) see page 2.27

ORDERING REPLACEMENT PARTS TO CHANGE OPERATION

Clad units using a sequential lock manufactured after January 31, 1994.
 Wood units using a sequential lock manufactured after February 7, 1994.

When ordering parts necessary to change stationary, operator or egress:

1. determine size;
2. specify part number and quantity.

STATIONARY TO OPERATOR**Roto-gear**

- 1 – Roto-gear operator, complete see page 2.21–23
- 1 – Hinge pair, complete see page 2.25–26
- 2 – Sequential locks, primary (1 left and 1 right hand) see page 2.18
- 2 – Sequential locks, secondary (non-handed, CN 48 height and over) see page 2.18
- Keepers (non-handed) see page 2.18
 - 2 – Keepers under CN 48 height
 - 4 – Keepers CN 48 height and over
- 2 – Tie bars (CN 48 height and over) see page 2.18
- 1 – Snubber, concealed (2 per package – CN 48 width and over) see page 2.19
- 1 – Head jamb stop** see page 2.27
- 1 – Hardware cover** see page 2.27
- 2 – Side stops** (1 left and 1 right hand lock side) see page 2.27
- 1 – Screen (optional)

Lever

- 1 – Lever lock operator, complete see page 2.47
- 1 – Hinge pair, complete see page 2.25–26
- 2 – Sequential locks, primary (1 left or 1 right hand) see page 2.18
- 2 – Sequential locks, secondary (non-handed, CN 48 height and over) see page 2.18
- Keepers (non-handed) see page 2.18
 - 2 – Keepers under CN 48 height
 - 4 – Keepers CN 48 height and over
- 2 – Tie bars (CN 48 height and over) see page 2.18
- 1 – Snubber, concealed (2 per package – CN 48 width and over) see page 2.19
- 1 – W7016 head jamb stop see page 2.53
- 1 – W7025-501 hardware cover see page 2.53
- 2 – V905 or W2068 side stops* (1 left and 1 right hand lock side) see page 2.53
- 1 – Screen (optional)

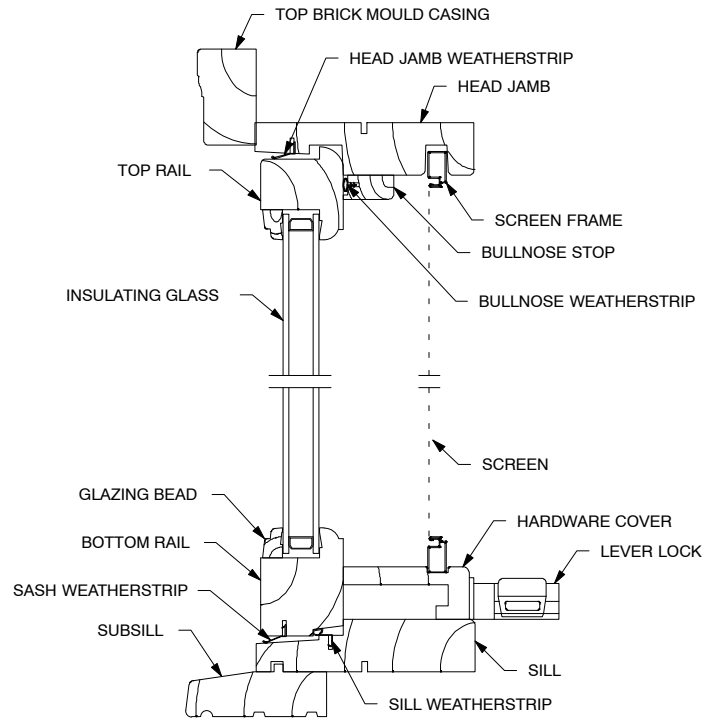
* W2068 replaces V905 once inventories are depleted.

** Use correct profile according to year of product. See pages 2.27 and 2.52.

OPERATOR TO STATIONARY

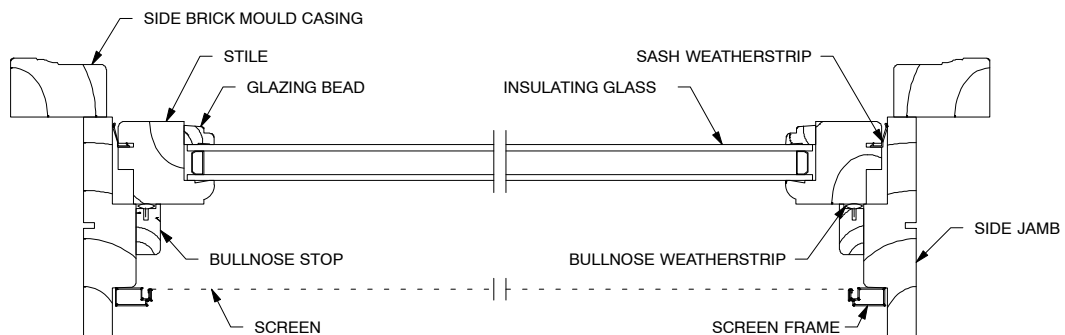
- Stationary brackets, head jamb and sill see page 2.21
 - 4 – CN 36 width to CN 48 width
 - 6 – over CN 48 width
- Stationary brackets, side jamb see page 2.21
 - 4 – CN 20 height to CN 48 height
 - 6 – over CN 48 height
- 1 – W8723 Sill cover see page 2.27
- 2 – W7015 Jamb stop see page 2.27
- 1 – W7001 Head jamb stop see page 2.27

**OBSOLETE STACK & STRIP
 OPERATOR
 (1986 - 1993)**



**HEAD JAMB
 & SILL DETAIL**

**JAMB
 DETAIL**

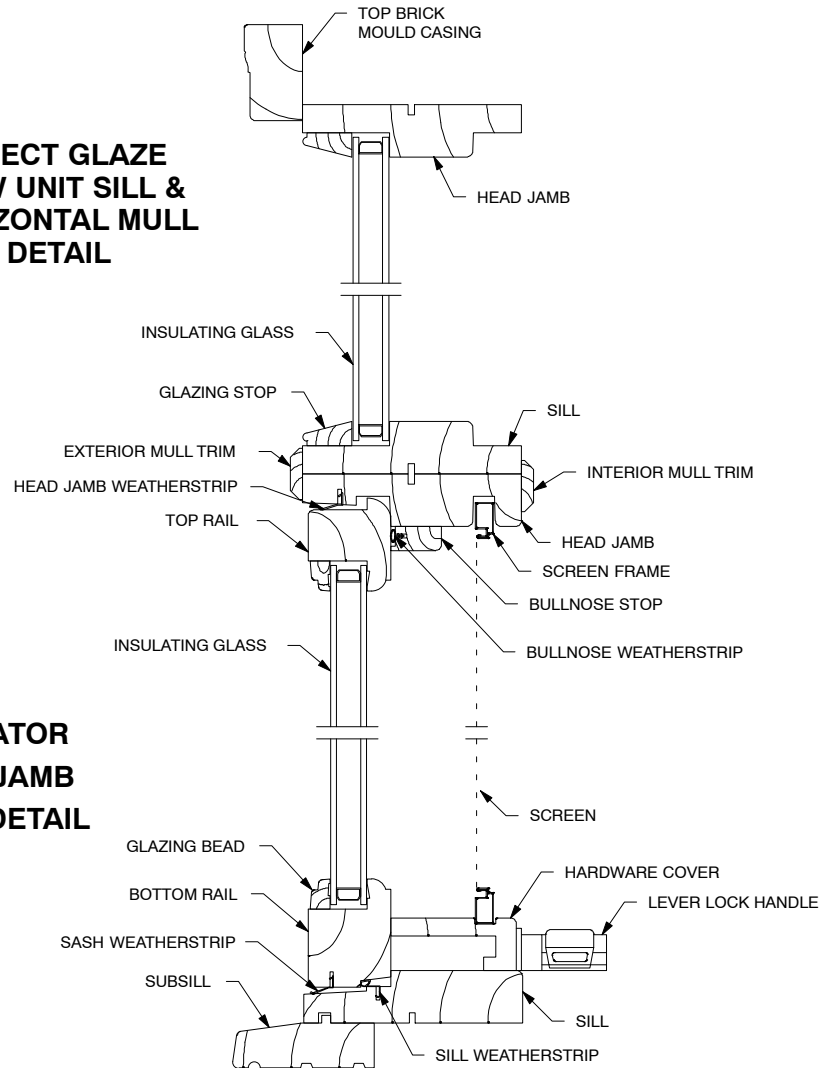


NOTE: Not to scale; specifications subject to change without notice.

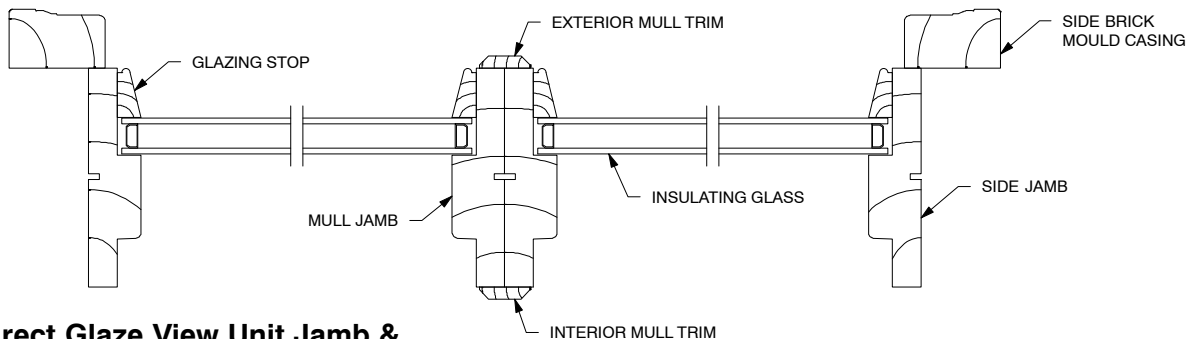
**OBSOLETE STACK & STRIP
 DIRECT GLAZE VIEW UNIT
 (1971 - 1979)**

**DIRECT GLAZE
 VIEW UNIT SILL &
 HORIZONTAL MULL
 DETAIL**

**OPERATOR
 HEAD JAMB
 & SILL DETAIL**



**Direct Glaze View Unit Jamb &
 Vertical Mull Detail**



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

When ordering obsolete Stack & Strip hardware specify:

1. type of unit;
2. part number;
3. description;
4. dimension A;
5. single or dual pull lever lock or roto-gear operator.

NOTE: Current Awning lever locks **cannot** be used for Stack & Strip replacement because of the Stack & Strip hardware cover used and the lever lock setback from the cover. Hardware for units manufactured before 1982 is unavailable, however operators shown on this page are interchangeable with hardware manufactured earlier. Replacement corrosion resistant lever lock operators are not available.

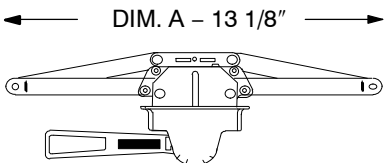
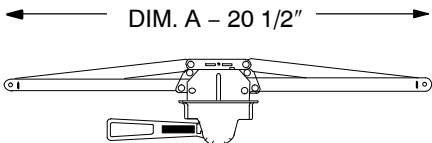
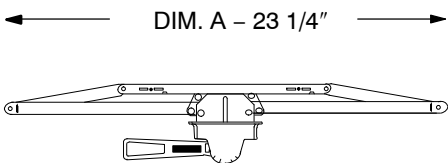
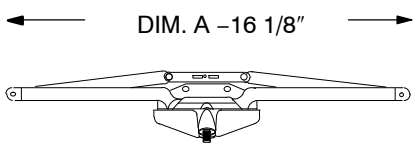
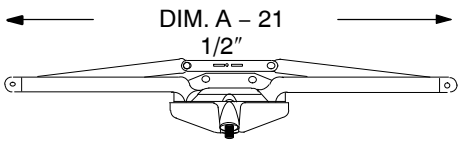
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>DIM. A – 13 1/8"</p>	<p>Lever Lock Used between 1982 – 1993 Special sizes under CN 28 width Daylight opening width 11 1/16" to 17 3/4" <i>Includes:</i> 1 – 13 1/8" (333) single pull lever operator 4 – #8x1" Phillips flathead wood screws (11800740)</p>	BZ	10801014
 <p>DIM. A – 20 1/2"</p>	<p>Lever Lock Used between 1982 – 1993 CN 28 to under CN 36 width Daylight opening width 17 13/16" to 26 3/4" <i>Includes:</i> 1 – 20 1/2" (521) single pull lever operator 4 – #8x1" Phillips flathead wood screws (11800740)</p>	BZ	10810100
 <p>DIM. A – 23 1/4"</p>	<p>Lever Lock Used between 1982 – 1993 CN 36 width and over Daylight opening width 26 13/16" and larger <i>Includes:</i> 1 – 23 1/4" (591) dual pull lever operator 4 – #8x1" Phillips flathead wood screws (11800740)</p>	BZ	10810200
 <p>DIM. A – 16 1/8"</p>	<p>Roto-gear Operator Used between 1982 – 1993 Special sizes under CN 28 width Daylight opening width 13 9/16" to 17 3/4" <i>Includes:</i> 1 – 16 1/8" (410) single pull operator 4 – #8x1" Phillips flathead wood screws (11800740 or 11800805, SS)</p>	<p>BZ WH BZ SS WH SS</p>	<p>10811201 10840004 02051323 02051322</p>
 <p>DIM. A – 21 1/2"</p>	<p>Roto-gear Operator Used between 1982 – 1993 CN 28 width to under CN 36 width Daylight opening width 17 13/16" to 26 3/4" <i>Includes:</i> 1 – 21 1/2" (546) single pull operator 4 – #8x1" Phillips flathead wood screws (11800740 or 11800805, SS)</p>	<p>BZ WH BZ SS WH SS</p>	<p>10811001 10840003 02051325 02051324</p>

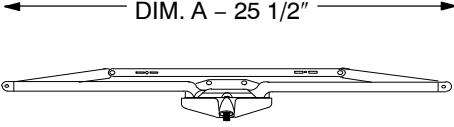
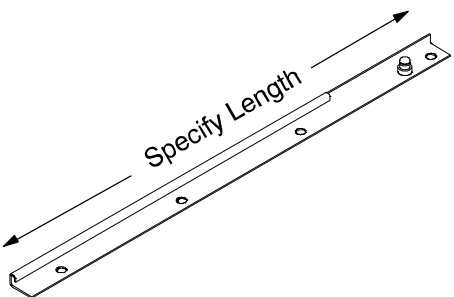
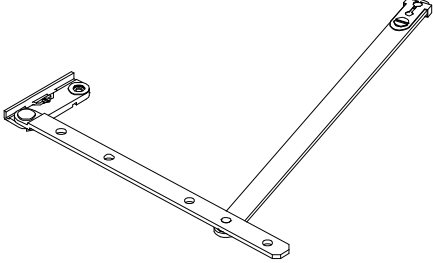
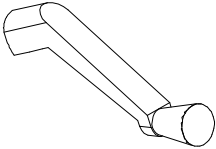
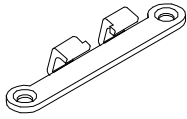
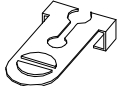
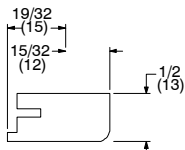
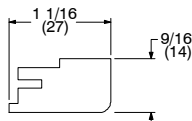
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Roto-gear Operator Used between 1982 – 1993 CN 36 and over Daylight Opening width 26 13/16" and larger <i>Includes:</i> 1 – 25 1/2" (648) dual pull operator 4 – #8x1" Phillips flathead wood screws (11800740 or 11800805, SS)	BZ WH BZ SS WH SS	10811401 10840005 02051327 02051326
	Hinge Track <i>Includes:</i> 1 – Hinge track 4 – SS #7x5/8" Phillips flathead screws (11800736) 10" – CN under 20 height 14" – CN 20 to under CN 24 height 18" – CN 24 to under CN 40 height 22" – CN 40 height and over	LH RH LH SS RH SS LH RH LH SS RH SS LH RH LH SS RH SS LH RH LH SS RH SS	10813006 10813007 10814880 10814881 10813106 10813107 10814884 10814885 10813206 10813207 10814888 10814889 10813306 10813307 10814892 10814893

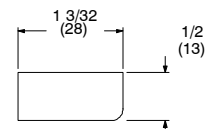
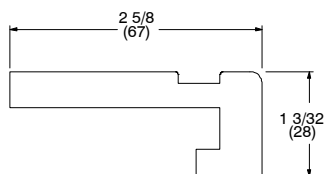
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Hinge Arm Assembly <i>Includes:</i> 1 – Hinge arm assembly 3 – #8x1" Phillips flathead wood screws (11800773 or 11800805, SS)		
	Hinge arm assembly for 10" hinge track CN under 20 height	LH RH LH SS RH SS	10813004 10813005 10814882 10814883
	Hinge arm assembly for 14" hinge track CN 20 to under CN 24 height	LH RH LH SS RH SS	10813104 10813105 10814886 10814887
	Hinge arm assembly for 18" hinge track CN 24 to under CN 40 height	LH RH LH SS RH SS	10813204 10813205 10814890 10814891
	Hinge arm assembly for 22" hinge track CN 40 height and over	LH RH LH SS RH SS	10813304 10813305 10814894 10814895
	Handle, Straight Used between 1982 – 1993	BZ WH BS	10898230 10840007 No longer available
	Sash Hook <i>Includes:</i> 1 – Sash hook 2 – #7HD – #8x1" Phillips flathead wood screws (11800773)		10820008
	Sash Hook, Stainless Steel <i>Includes:</i> 1 – SS sash hook 2 – SS #8x1" Phillips flathead wood screws (11800805)		10814813
	Detach Clip, Hinge		10814839

OBSOLETE REPLACEMENT WOOD PARTS

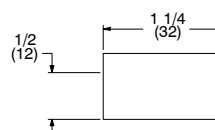
Bullnose Stop – Head Jamb and Jamb	W7162
Bullnose Stop – Picture	W7164
Bullnose Stop – Direct Glaze	W7013
Hardware Cover	W7160
Support Block – Hardware Cover	W6170

W7162 – Bullnose Stop
Head Jamb and Jamb

W7164 – Bullnose Stop – Picture

W7013 – Bullnose Stop
Direct Glaze

W7160 – Hardware Cover

W6170 – Support Block
Hardware Cover**TO ORDER REPLACEMENT WOOD PARTS**

When ordering obsolete replacement wood parts specify:

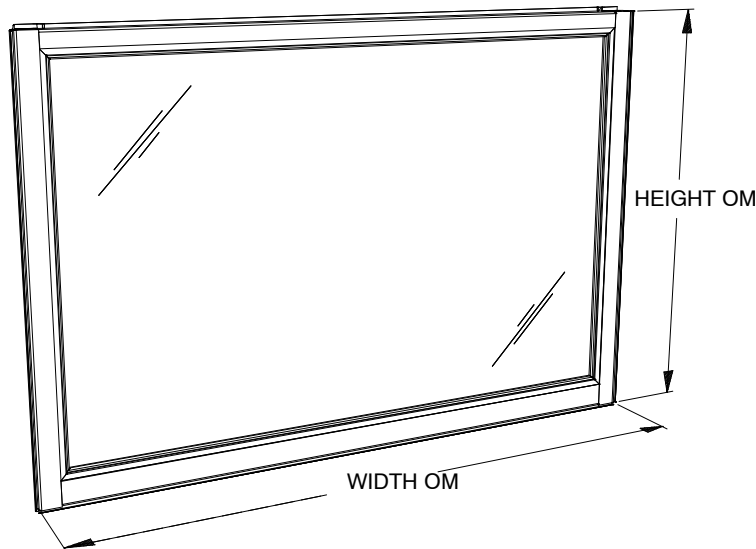
1. profile number;
2. call number or rough opening;
3. length;
4. finish.

ORDERING REPLACEMENT SASH FOR STACK & STRIP

When ordering replacement sash specify:

- | | |
|---------------------------------------|-------------|
| 1. size; (call number or OM of sash); | 3. glazing; |
| 2. operation | 4. finish. |

NOTE: The default application for single glazed units is prep for energy panel. If no prep is desired, comment "no prep for energy panel".



Exterior View

The following chart may help to determine if you have a Stack & Strip or Marview unit. Replacement Stack & Strip sash is currently available. Marview sash is no longer available and is replaced with a field modified sash.

Obsolete Stack & Strip

Daylight Opening to OM of Sash

Daylight Width +4" = OM Width of Sash

Daylight Height + 3 15/16" = OM Height of Sash

Obsolete Marview Units

Daylight Opening to OM of Sash

Daylight Width +4 1/4" = OM Width of Sash

Daylight Height + 4 1/8" = OM Height of Stationary Sash

Daylight Height + 4 3/8" = Om Height of Operating Sash

OBSOLETE STACK & STRIP WEATHER STRIP

When ordering replacement weather strip specify:

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

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	LENGTH	PART NUMBER
	Leaf Weather Strip, Sash V101 Color: White		NA Replaced with V673
	Leaf Weather Strip, Head Jamb and Sash V673 Color: Beige	84" (2134) 144" (3658)	15899984 15899999
	Offset Bulb Weather Strip, Sill V192 Color: Beige	84" (2134)	15900058
	Bulb Weather Strip, Bullnose V113 Color: Beige	150" (3810)	15619698

ORDERING REPLACEMENT SCREENS FOR STACK & STRIP

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. Determine the outside measurement of the existing screen. Find the sizes that correspond to the width and height indicated on the following charts. Surrounds are available in bronze, white, brown and pebble gray.

When ordering replacement screen specify:

1. size; – If there is no existing screen from which to obtain the OM of the screen, determine the size of the screen by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color;
3. mesh type (if other than standard).

Stack & Strip Units Manufactured between 1978 and 1993				Stack & Strip Units Manufactured before 1978			
Daylight Opening to OM of Screen				Daylight Opening to OM of Screen			
Daylight Width + 4 1/8" = OM Width of Screen				Daylight Width + 4 1/8" = OM Width of Screen			
Daylight Height + 2 9/16" = OM Height of Screen				Daylight Height + 2 7/16" = OM Height of Screen			
Note: Screens feature clear finger pull/leaf spring mounting system.				Note: Screens feature clear finger pull/leaf spring mounting system.			
WIDTH		HEIGHT		WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT	SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 28	28 1/8"	CN 17	15 9/16"	CN 28	28 1/8"	CN 17	15 7/16"
CN 36	36 1/8"	CN 20	18 9/16"	CN 36	36 1/8"	CN 20	18 7/16"
CN 42	42 5/8"	CN 22	21 1/16"	CN 42	42 5/8"	CN 22	20 15/16"
CN 45	45 5/8"	CN 25	24 1/16"	CN 45	45 5/8"	CN 25	23 15/16"
		CN 28	27 1/16"			CN 28	26 15/16"
		CN 33	31 9/16"			CN 33	31 7/16"
		CN 38	36 9/16"			CN 38	36 7/16"

OBSOLETE STACK & STRIP SCREEN PARTS

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./COLO R	PART NO.
	Leaf Spring M0104		11868835
	Finger Pull, Clear V254 Replaces colored finger pull		11860350

ORDERING ENERGY PANELS FOR STACK & STRIP

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Find the sizes that correspond to the width and height indicated on the following charts. Energy panels are available for Stack & Strip units with bronze, white, brown or pebble gray aluminum surrounds.

When ordering energy panels specify:

1. size; If there is no existing EP from which to obtain the OM of the panel, determine the size of the EP by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color of surround;
3. glass type.

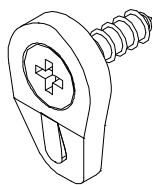
Stack & Strip Units manufactured prior to 1993.			
Daylight Opening to OM of EP			
Daylight Width + 1 1/8" = OM Width of EP			
Daylight Height + 1 1/8" = OM Height of EP			
WIDTH		HEIGHT	
SIZE	OM WIDTH	SIZE	OM HEIGHT
CN 28	25 1/8"	CN 17	14 1/8"
CN 36	33 1/8"	CN 20	17 1/8"
CN 42	39 5/8"	CN 22	19 5/8"
CN 45	42 5/8"	CN 25	22 5/8"
		CN 28	25 5/8"
		CN 33	30 1/8"
		CN 38	35 1/8"
		CN 41	38 5/8"
		CN 46	43 5/8"
		CN 52	49 5/8"

STACK & STRIP 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. (Discontinued black turn buttons will be replaced by brown.)

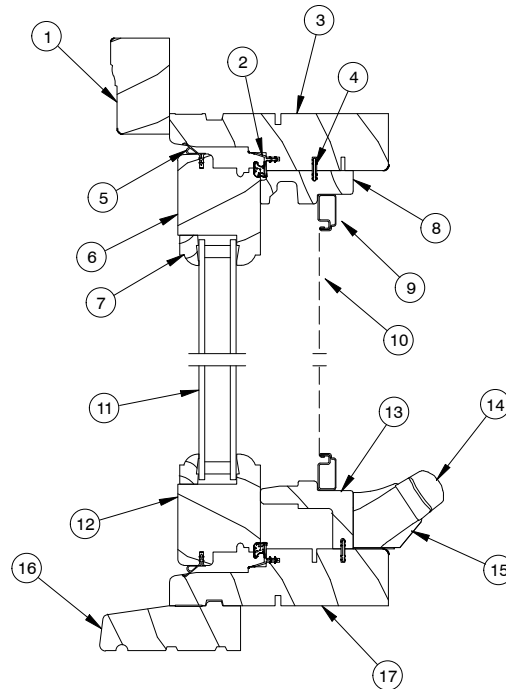
When ordering energy panels parts specify:

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

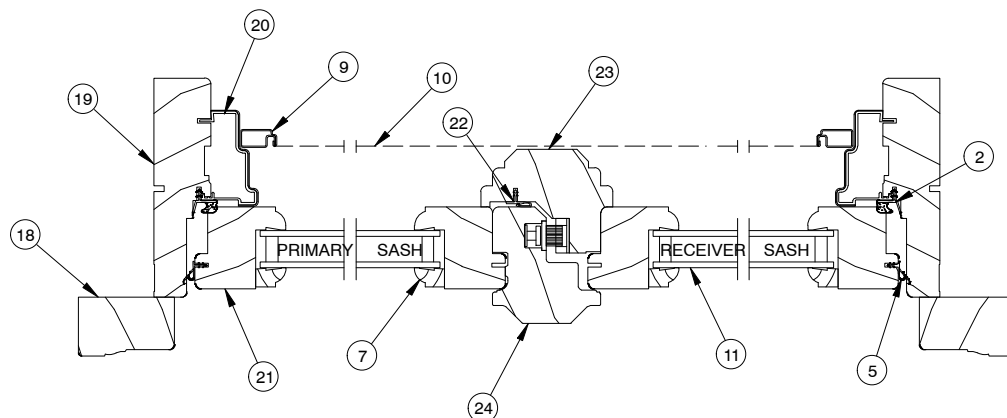
ILLUSTRATION NOT TO SCALE	DESCRIPTION	PART NUMBER		
	Turn Buttons with SS Screws #8x3/4"	<u>Each</u>	<u>Pkg of 8</u>	<u>Pkg of 100</u>
		AR 11869310	N/A	11869316
		BZ 11869311	11869451	11869317
		PB 11869312	11869452	11869318
		BN 11869313	11869453	11869319
		SW 11869314	11869454	11869320
		CL 11869315	11869455	11869321

**WOOD FRENCH CASEMASTER
OPERATOR**

**HEAD JAMB
& SILL DETAIL**



**JAMB
DETAIL**

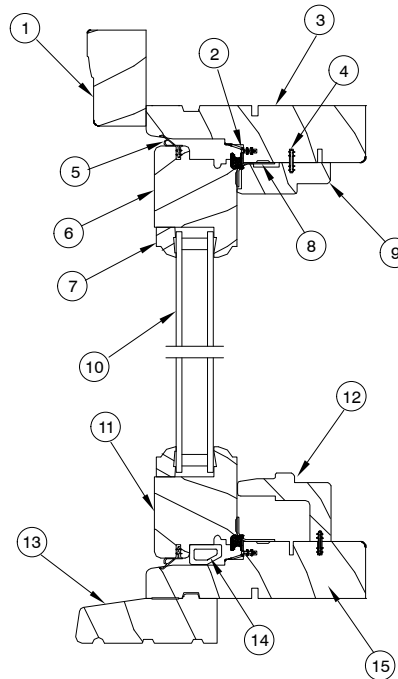


NOTE: Not to scale; specifications subject to change without notice.

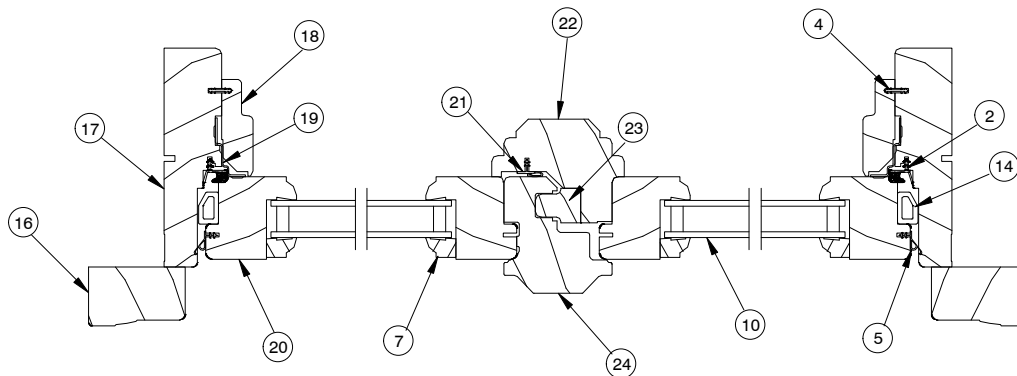
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|--|---------------------------|---|
| 1. Head Jamb Brick Mould Casing, W1047 | 9. Screen Frame | 17. Sill |
| 2. Frame Weather Strip, V138 | 10. Screen Mesh | 18. Jamb Brick Mould Casing, W1047 |
| 3. Head Jamb | 11. Insulated Glass | 19. Jamb |
| 4. Connecting Barb, V803 | 12. Bottom Rail | 20. Jamb Stop, V1162 |
| 5. Sash Weather strip, V195 | 13. Hardware Cover, W8459 | 21. Stile |
| 6. Top Rail | 14. Roto-Gear Handle | 22. Secondary Sash Astragal Weather Strip, V192 |
| 7. Glazing Bead, W4009 | 15. Roto-Gear Cover | 23. Secondary Sash Astragal, W3139 |
| 8. Head Jamb Stop, W8461 | 16. Subsill, W2197 | 24. Primary Sash Astragal, W9011 |

**WOOD FRENCH CASEMASTER
 STATIONARY**

**HEAD JAMB
 & SILL DETAIL**



**JAMB
 DETAIL**

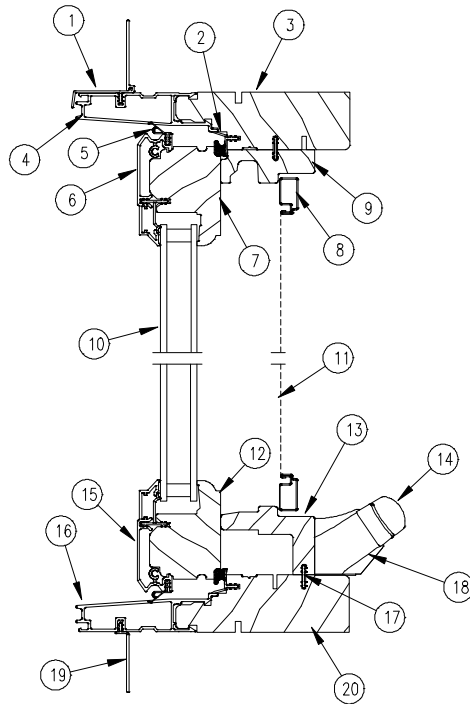


NOTE: Not to scale; specifications subject to change without notice.

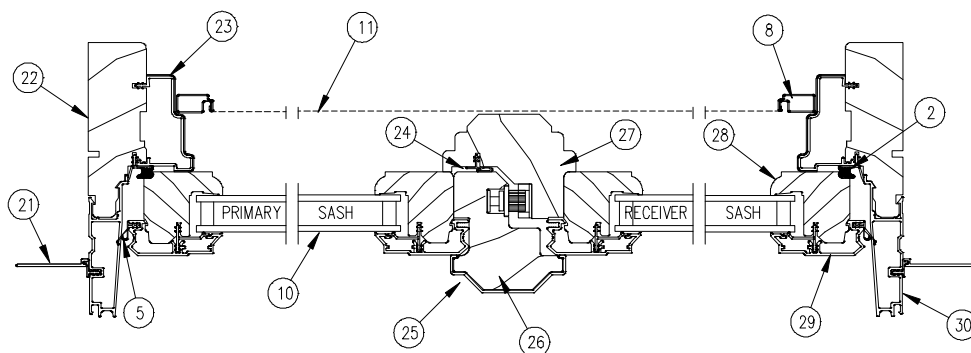
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|--|------------------------------------|---|
| 1. Head Jamb Brick Mould Casing, W1047 | 9. Head Jamb Stop, W7001 | 17. Jamb |
| 2. Frame Weather strip, V138 | 10. Insulated Glass | 18. Jamb Stop, W7015 |
| 3. Head Jamb | 11. Bottom Rail | 19. Jamb Stationary Bracket |
| 4. Connecting Barb, V803 | 12. Hardware Cover | 20. Stile |
| 5. Sash Weather strip, V195 | 13. Subsill, W2197 | 21. Secondary Sash Astragal Weather strip, V192 |
| 6. Top Rail | 14. Setting Block | 22. Secondary Sash Astragal, W3139 |
| 7. Glazing Bead, W4009 | 15. Sill | 23. Stationary Astragal Interlock, W9012 |
| 8. Head Jamb/Sill Stationary Bracket | 16. Jamb Brick Mould Casing, W1047 | 24. Primary Sash Astragal, W9011 |

CLAD FRENCH CASEMASTER OPERATOR

HEAD JAMB & SILL DETAIL



JAMB DETAIL

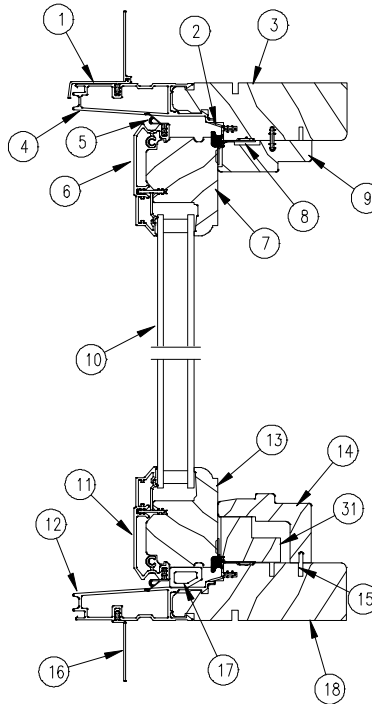


NOTE: Not to scale; specifications subject to change without notice.

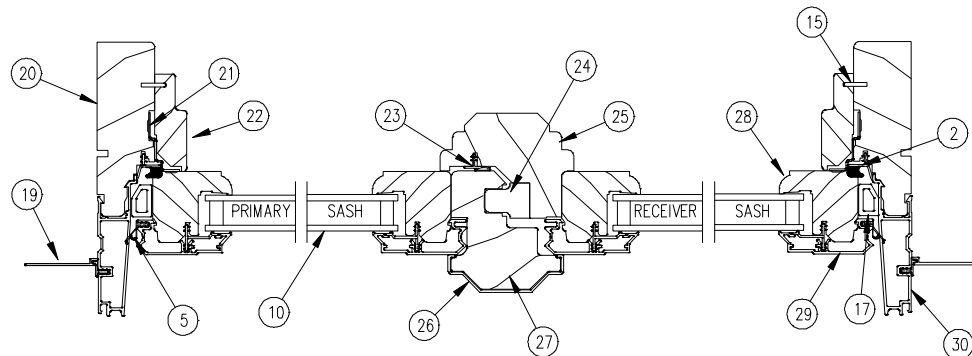
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|-------------------------------------|--------------------------------|------------------------------------|--------------------|
| 1. Head Jamb Nailing Fin & Drip Cap | 10. Insulated Glass | 19. Sill Nailing Fin | 28. Stile |
| 2. Frame Weather Strip, V138 | 11. Screen Mesh | 20. Sill | 29. Stile Cladding |
| 3. Head Jamb | 12. Bottom Rail | 21. Jamb Nailing Fin | 30. Jamb Cladding |
| 4. Head Jamb Cladding | 13. Hardware Cover, W8459 | 22. Jamb | |
| 5. Sash Weather Strip, V195 | 14. Folding Crank Handle | 23. Jamb Stop, V1162 | |
| 6. Top Rail Cladding | 15. Bottom Rail Cladding | 24. Astragal Weather Strip, V192 | |
| 7. Top Rail | 16. Sill Cladding | 25. Astragal Cap, A215 | |
| 8. Screen Frame | 17. Connecting Barb, V803 | 26. Primary Sash Astragal, W9011 | |
| 9. Head Jamb Stop, W8461 | 18. Folding Crank Handle Cover | 27. Secondary Sash Astragal, W3139 | |

**CLAD FRENCH CASEMASTER
STATIONARY**

**HEAD JAMB
& SILL DETAIL**



**JAMB
DETAIL**



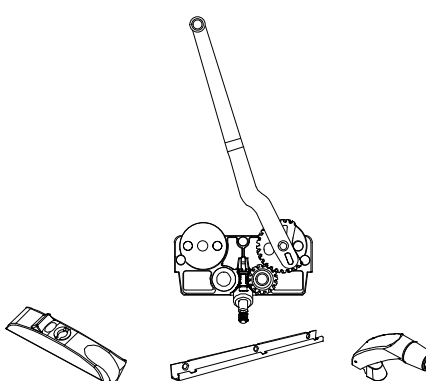
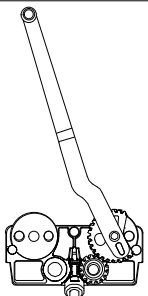
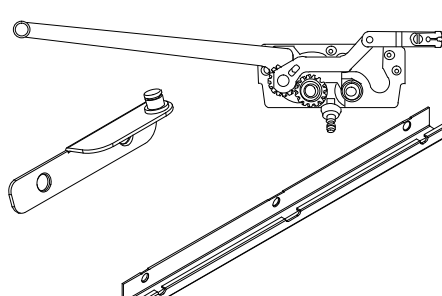
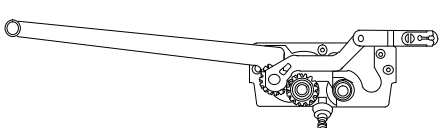
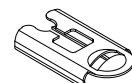
NOTE: Not to scale; specifications subject to change without notice.

- | | | | |
|--|---------------------------|------------------------------------|--------------------|
| 1. Head Jamb Nailing Fin & Drip Cap | 10. Insulated Glass | 19. Jamb Nailing Fin | 28. Stile |
| 2. Frame Weather Strip, V138 | 11. Bottom Rail Cladding | 20. Jamb | 29. Stile Cladding |
| 3. Head Jamb | 12. Sill Cladding | 21. Jamb Stationary Bracket | 30. Jamb Cladding |
| 4. Head Jamb Cladding | 13. Bottom Rail | 22. Jamb Stop, W7015 | 31. Support Block |
| 5. Sash Weather Strip, V195 | 14. Sill Cover, W8459 | 23. Astragal Weather Strip, V195 | |
| 6. Top Rail Cladding | 15. Connecting Barb, W803 | 24. Stationary Astragal Interlock | |
| 7. Top Rail | 16. Sill Nailing Fin | 25. Secondary Sash Astragal, W3139 | |
| 8. Head Jamb / Sill Stationary Bracket | 17. Setting Block | 26. Astragal Cap, A215 | |
| 9. Head Jamb Stop, W7001 | 18. Sill | 27. Primary Sash Astragal, W9011 | |

When ordering replacement French Casemaster parts specify:

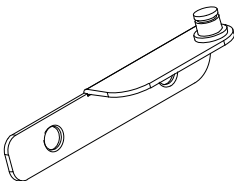
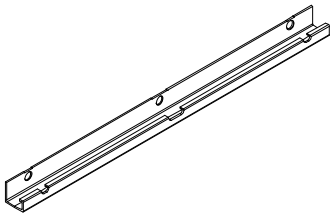
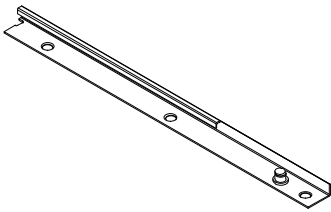
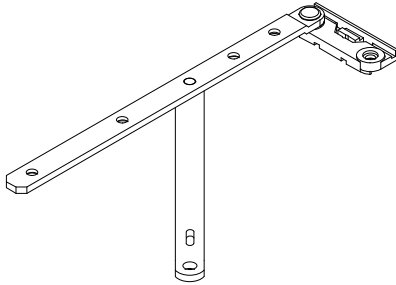
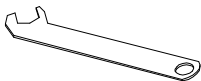
1. type of unit;
2. part number;
3. description.

NOTE: **Standard** hardware (unless noted) will be supplied with Yellow Zinc Dichromate (YZD) coating until stocks are depleted, E-Gard coated hardware will then be substituted. If E-Gard coated hardware is desired it must be specified. **Components with "YZD" specified as the color are only available with Yellow Zinc Dichromate (YZD) coating.**

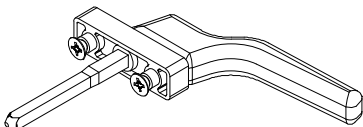
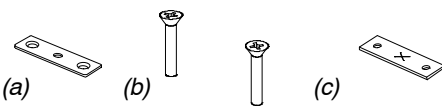
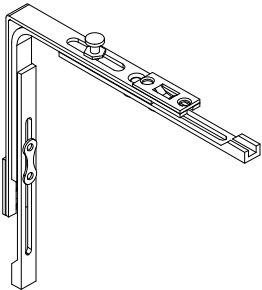
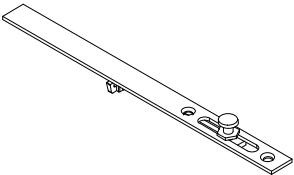
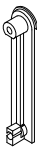
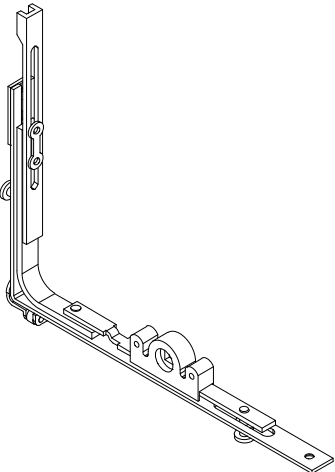
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Single Arm Roto-gear Operator, Complete CN 40 to under CN 48 width* For sash with daylight opening width of 14 1/2" (368) to under 18 1/2" (470) <i>Includes:</i> 1 - Single arm roto-gear LH - 10814810 RH - 10814811 1 - Sash track 10830706 1 - Folding handle TP (10898282), BZ (10898302), WH (10898292) 1 - Folding handle cover TP (10898281) BZ (10898301), WH (10898291) 5 - #8x1" Phillips flat head wood screws (11800740) 3 - #7HD - #8x1" Phillips flat head screws (11800773)	LH TP	11869408
		RH TP	11869409
	Single Arm Roto-gear Operator CN 40 to under CN 48 width* For sash with daylight opening width of 14 1/2" (368) to under 18 1/2" (470) Requires removable cover <i>Includes:</i> 1 - Single arm roto-gear 5 - #8x1" Phillips flat head wood screws	LH	10814810
		RH	10814811
 <p>NOTE: Handle and cover must be ordered separately.</p>	Egress Dual Arm Roto-gear Operator, Complete CN 48* through CN 56 width For sash with daylight opening width of 18 1/2" (470) through 22 1/2" (572) <i>Includes:</i> 1 - Egress dual arm roto-gear LH - 10814800 RH - 10814801 1 - Sash track 10830706 1 - Egress sash bracket LH - 10814830 RH - 10814831 5 - #8x1" Phillips flat head wood screws (11800740) 5 - #7HD - #8x1" Phillips flat head screws (11800773)	LH RH	11869342 11869343
	Egress Dual Arm Roto-gear Operator CN 48* through CN 56 width For sash with daylight opening width of 18 1/2" (470) through 22 1/2" (572) <i>Includes:</i> 1 - Egress dual arm roto-gear 5 - #8x1" Phillips flat head wood screws (11800740)	LH RH	10814800 10814801
	Detach Clip, Dual Arm Roto-gear	Mill Finish	10814839

* Pre 7/1/99 units use single arm up to CN 48 width.

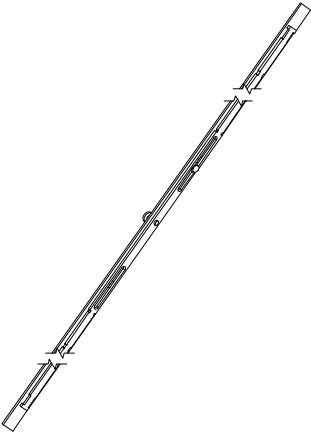
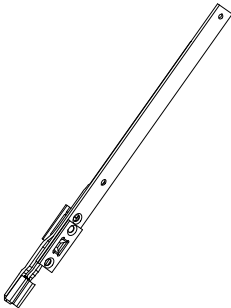
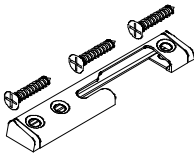
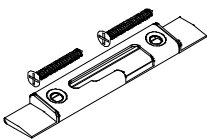
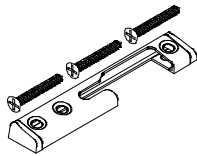
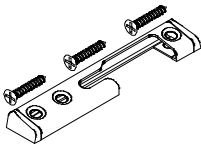
PARTS

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Egress Sash Bracket <i>Includes:</i> 1 – Egress sash bracket 2 – #7HD – #8x1" Phillips flat head wood screws (11800773)	LH RH	10814830 10814831
	Sash Track <i>Includes:</i> 1 – Sash track 3 – #7HD – #8x1" Phillips flat head wood screws (11800773)		10830706
 	Adjustable Hinge Package, Complete Used only on French Casemaster units Requires 3/8" open end wrench (10814840) for adjustment <i>Includes:</i> 4 – Adjustable hinge tracks 2 – LH – 10814743 2 – RH – 10814744 4 – Hinge arm assemblies 2 – LH – 10814860 2 – RH – 10814861 12 – SS #7x5/8" Phillips flat head wood screws (11800736) 16 – #7HD – #8x1" Phillips flat head wood screws (11800773)		11873206
	3/8" Open End Wrench	Mill Finish	10814840

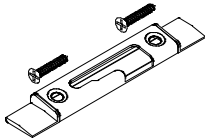



NOTE: These parts are for FCM units ordered 9/12/05 and later and RT FCM units ordered 1/9/08 and later.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Lock Handle <i>Includes:</i> 1 – Handle 2 – 1/4"x3/4" Phillips flat head machine screws (11800119)	TP BZ WH BS AB SC SN ORBZ	10816103 10816101 10816100 10816102 10816104 10816106 10816108 10816107
	Handle Accessory Kit For FCM Handle <i>Includes:</i> 1 – Face Plate (10816041) (a) 2 – M5x2mm flat head screws (10816045) (b) 1 – Gasket (10816098) (c)		11850115
	Top Corner Drive <i>Includes:</i> 1 – Top Corner 4 – #8x1 1/4" Phillips flat head screws (11808118)		10816025
	Top Corner Secondary Extension For units with RO width 50 1/2" and greater <i>Includes:</i> 1 – Extension 2 – #8x1 1/4" Phillips flat head screws (11808118)		10816026
	Top Corner Driver Filler For units with RO width under 50 1/2" <i>Includes:</i> 1 – Filler 1 – #8x1 1/4" Phillips flat head screws (11808118)		10816028
	Bottom Corner Drive <i>Includes:</i> 1 – Bottom Corner 3 – #8x1 1/4" Phillips flat head screws (11808118)		10816024

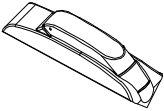
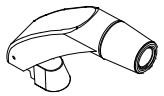
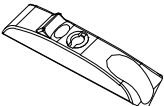
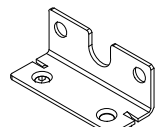
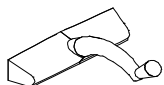

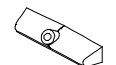
NOTE: These parts are for FCM units ordered 9/12/05 and later and RT FCM units ordered 1/09/08 and later.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./C OLOR	PART NO.
	Linkage <i>Includes:</i> Linkage #8 x 1 1/4" Phillips flat head screws (11808118) (quantity of screws varies by size of unit) 1 Screw – CN32 CN36 CN40 4 Screws – CN48 CN56 CN60 6 Screws – CN64 CN72 75 19/32" (1920)		10816029 10816031 10816032 10816033 10816034 10816035 10816036 10816037 10816040
	230mm Linkage Extension Without cam, no lock point For special height For replacement, specify length of face plate of original part. <i>Includes:</i> 2 – #8 x 1 1/4" Phillips flat head screws (11808118)		10816097
	WFCM Head Jamb Strike Kit Wood Only <i>Includes:</i> 1 – Standard Strike Plate (10816092) 3 – #10-13 x 1" SS screws (11830011)		11851600
	WFCM Sill Strike or Second Head Jamb Strike Kit Wood Only <i>Includes:</i> 1 – Sequential Strike (10816091) 2 – #10-13 x 1" SS screws (11830011)		11851601
	FCM Astragal Strike (Upper) Kit <i>Includes:</i> 1 – Sequential Strike (10816091) 2 – #8 x 1 1/4" SS screws (11808118)		11851602
	FCM Astragal Strike (Bottom) Kit <i>Includes:</i> 1 – Standard Strike (10816092) 3 – #8 x 1 1/4" SS screws (11808118)		11851603
	CFCM Head Jamb Strike Kit Clad Only <i>Includes:</i> 1 – Standard Strike Plate (10816092) 3 – #7 x 7/8" SS screws (11800777)		11851604





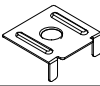
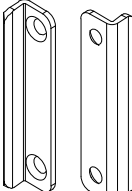
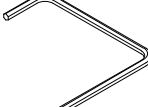


NOTE: These parts are for FCM units ordered 9/12/05 and later and RT FCM units ordered 1/09/08 and later.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./C OLOR	PART NO.
	CFCM Sill Strike or Second Head Jamb Strike Kit Clad Only <i>Includes:</i> 1 – Sequential Strike (10816091) 2 – #7 x 7/8" SS screws (11800777)		11851605
	Run Up Block For Sash Lift <i>Includes:</i> 1 – Block 1 – #7 x 5/8" flat head self tapping screw (11800736)		10816095
	Face Plate <i>Includes:</i> 1 – Face Plate 2 – M5 x 2mm flat head screws (10816045)		10816041
	Gasket		10816098

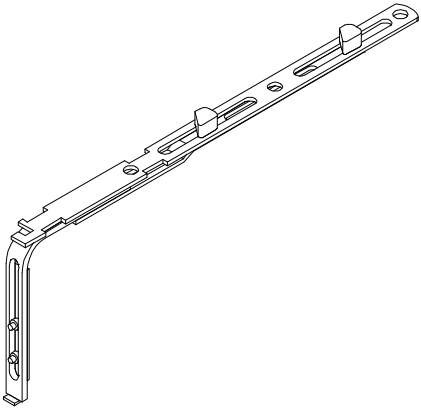
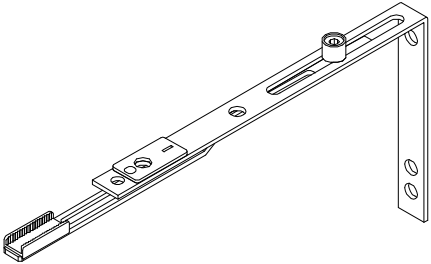
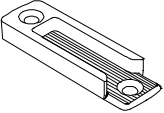
NOTE: These parts are for all FCM units.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Folding Handle and Cover Package <i>Includes:</i> 1 – Handle with set screw 1 – Cover	TP BZ WH BS AB SC SN ORBZ	NA NA NA NA NA NA NA NA
	Handle, Folding with set screw	TP BZ WH BS AB SC SN ORBZ	10898282 10898302 10898292 10898312 10898322 10898342 10898362 10898352
	Handle Cover, Folding	TP BZ WH BS AB SC SN ORBZ	10898281 10898301 10898291 10898311 10898321 10898341 10898361 10898351
	Multi-Lock Handle Mounting Bracket 2 – #8 x 1" Phillips flat head wood screws (11800810)		10816023
	Curved Handle and Cover Package <i>Includes:</i> 1 – Handle with set screw 1 – Cover	TP BZ WH BS	10898270 10898240 10898250 10898260
	Handle, Curved with set screw	TP BZ WH BS	10898272 10898242 10898252 10898263
	Handle Cover, Curved	TP BZ WH BS	10898271 10898241 10898251 10898261

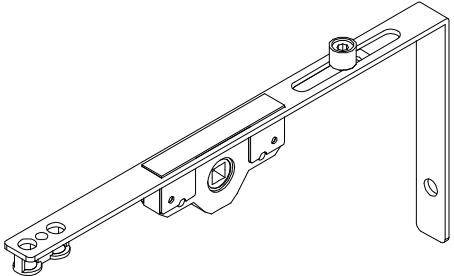
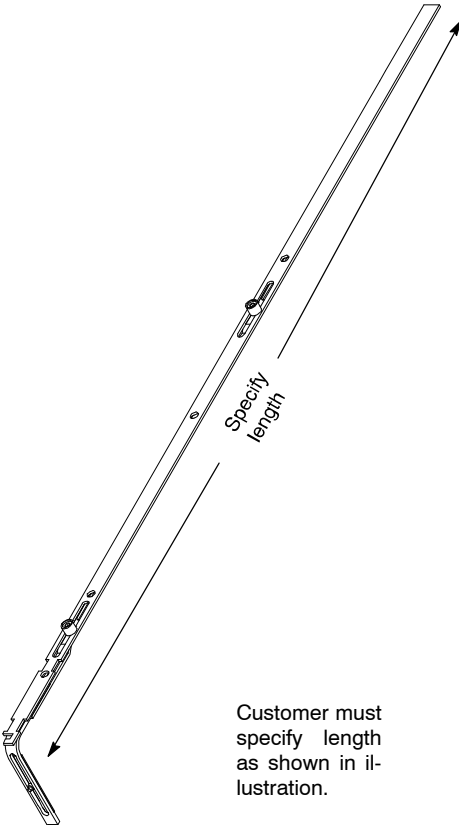
NOTE: These parts are for all FCM units.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Set Screw for Curved Handle	TP BZ WH	10898273 10898243 10898253
	Set Screw for Folding Handle	SS	10898283
	Primary Sash Astragal Blocks		10500097
	Secondary Sash Astragal Blocks		10500098
	Astragal Cap Holding Bracket Clad FCM only		10500096
	Snubber, Concealed, Coastal Hardware Wood Casemaster, 2 per package <i>Includes:</i> 2 – Snubbers – 10899110 2 – #7x5/8" Phillips flat head wood screws (11800736) 2 – #8x1" Phillips flat head wood screws (11800896)		11873197
	Snubber, Concealed, Coastal Hardware Clad Casemaster, 2 per package <i>Includes:</i> 2 – Snubbers – 10899110 2 – #7x1/2" Phillips flat head wood screws (11800753) 2 – #8x1" Phillips flat head wood screws (11800896)		11873295
	4mm Allen Wrench For roller adjustment on multi-point lock	Mill Finish	No longer available
	Extension 2" (51) for roto gear Handle	TP BZ WH	05570436 05570432 05570430
	Extension 4" (102) for roto gear Handle	TP BZ WH	05570435 05570431 05570429

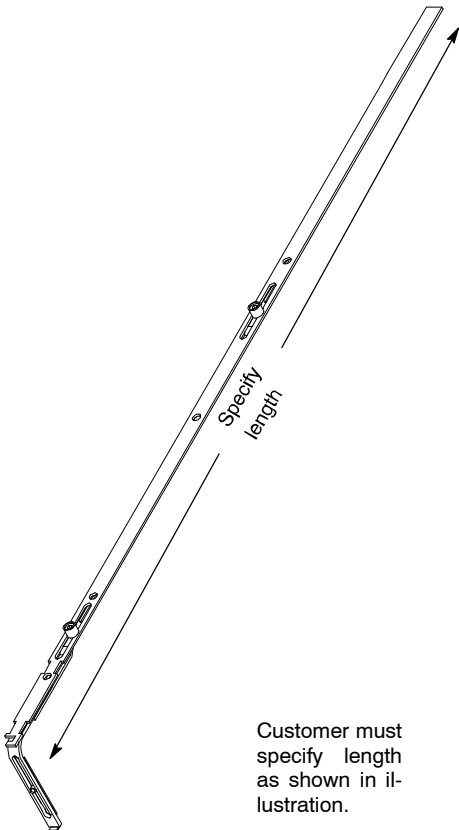
NOTE: These parts are for RT FCM units built before 1/09/08 and FCM's built before 9/12/05

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Extension, Top Corner CN 40 width Rough opening 41" (1041) to 45 5/16" (1167) <i>Includes:</i> 1 – Extension 1 – #8x1" Phillips flat head wood screw (11800810) 1 – #8x1 1/2" Phillips flat head wood screw (11808112)	YZD	Check for Availability
	Extension, Top Corner CN 48 and CN 56 width Rough openings 45 3/8" (1153) to 57" (1448) <i>Includes:</i> 1 – Extension 2 – #8x1" Phillips flat head wood screws (11800810) 1 – #8x1 1/2" Phillips flat head wood screws (11808112)	YZD	No longer available
	Extension, Top Corner, Stainless Steel CN 40 width Rough opening 41" (1041) to 45 5/16" (1167) <i>Includes:</i> 1 – SS extension 1 – SS #8x1" Phillips flat head wood screws (11800896) 1 – SS #7x1 1/4" Phillips flat head wood screws (11808118)	SS	Check for availability
	Extension, Top Corner, Stainless Steel CN 48 and CN 56 width Rough openings 45 3/8" (1153) to 57" (1448) <i>Includes:</i> 1 – SS extension 2 – SS #8x1" Phillips flat head wood screws (11800896) 1 – SS #7x1 1/4" Phillips flat head wood screw (11808118)	SS	Check for availability
	Top Corner Used for all sizes <i>Includes:</i> 1 – Top corner 3 – #8x1" Phillips flat head wood screws (11800810)	YZD	No longer available
	Top Corner, Stainless Steel Used for all sizes <i>Includes:</i> 1 – SS top corner 3 – SS #8x1" Phillips flat head wood screws (11800896)	SS	Check for availability
	Strike Used for all sizes <i>Includes:</i> 1 – Strike 1 – #7x5/8" Phillips flat head wood screws (11800758) 1 – #8x1" Phillips flat head wood screws (11800810)	YZD	NA

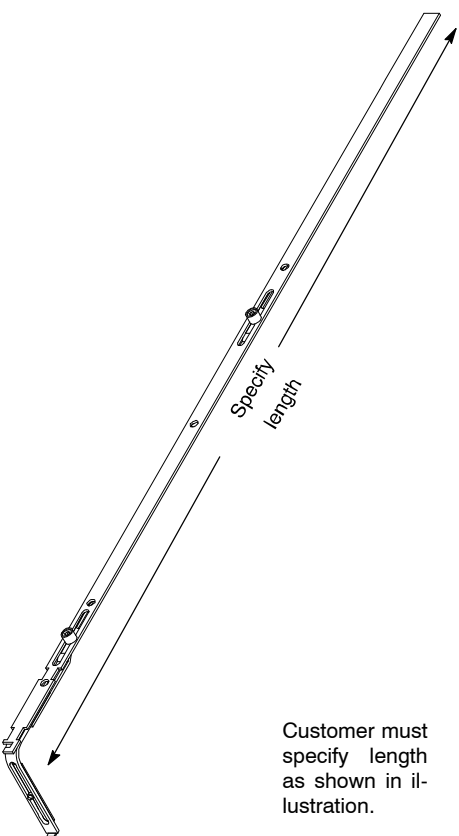
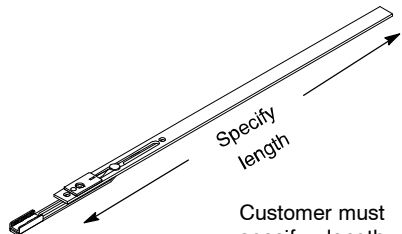
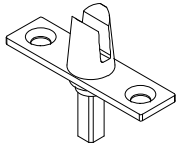
NOTE: These parts are for RT FCM units built before 1/09/08 and FCM's built before 9/12/05

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Bottom Corner Used for all sizes <i>Includes:</i> 1 – Bottom corner 2 – #8x1" Phillips flat head wood screws (11800810) 1 – #8x1 1/2" Phillips flat head wood screws (11808112)	YZD	Check for availability
	Bottom Corner, Stainless Steel Used for all sizes <i>Includes:</i> 1 – SS bottom corner 2 – SS #8x1" Phillips flat head wood screws 1 – SS #8x1 1/2" Phillips flat head wood screws	SS	No longer available
 <p>Specify length</p> <p>Customer must specify length as shown in illustration.</p>	Gear, Fixed CN 32 21 1/8" (537) length <i>Includes:</i> 1 – Fixed gear 2 – #8x1" Phillips flat head wood screws (11800810)	YZD	No Longer Available
	Gear, Fixed CN 36 25 1/8" (638) length <i>Includes:</i> 1 – Fixed gear 3 – #8x1" Phillips flat head wood screws (11800810)	YZD	No Longer Available
	Gear, Fixed CN 40 29 1/8" (740) length <i>Includes:</i> 1 – Fixed gear 3 – #8x1" Phillips flat head wood screws (11800810)	YZD	No Longer Available
	Gear, Fixed CN 48 37 1/8" (943) length <i>Includes:</i> 1 – Fixed gear 4 – #8x1" Phillips flat head wood screws (11800810)	YZD	No Longer Available
	Gear, Fixed CN 56 45 1/8" (1146) length <i>Includes:</i> 1 – Fixed gear 5 – #8x1" Phillips flat head wood screws (11800810)	YZD	No longer available
	Gear, Fixed CN 60 49 1/8" (1248) length <i>Includes:</i> 1 – Fixed gear 5 – #8x1" Phillips flat head wood screws (11800810)	YZD	Check for availability

NOTE: These parts are for RT FCM units built before 1/09/08 and FCM's built before 9/12/05

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>Customer must specify length as shown in illustration.</p>	Gear, Fixed CN 64 53 1/8" (1349) length <i>Includes:</i> 1 – Fixed gear 5 – #8x1" Phillips flat head wood screws (11800810)	YZD	Check for availability
	Gear, Fixed CN 72 61 1/8" (1553) length <i>Includes:</i> 1 – Fixed gear 6 – #8x1" Phillips flat head wood screws (11800810)	YZD	No longer available
	Gear, Fixed, Stainless Steel CN 32 21 1/8" (537) length <i>Includes:</i> 1 – SS fixed gear 2 – SS #8x1" Phillips flat head wood screws	SS	No longer available
	Gear, Fixed, Stainless Steel CN 36 25 1/8" (638) length <i>Includes:</i> 1 – SS fixed gear 3 – SS #8x1" Phillips flat head wood screws	SS	No longer available
	Gear, Fixed, Stainless Steel CN 40 29 1/8" (740) length <i>Includes:</i> 1 – SS fixed gear 3 – SS #8x1" Phillips flat head wood screws (11800896)	SS	Check for availability
	Gear, Fixed, Stainless Steel CN 48 37 1/8" (943) length <i>Includes:</i> 1 – SS fixed gear 4 – SS #8x1" Phillips flat head wood screws (11800896)	SS	Check for availability
	Gear, Fixed, Stainless Steel CN 56 45 1/8" (1146) length <i>Includes:</i> 1 – SS fixed gear 5 – SS #8x1" Phillips flat head wood screws	SS	No longer available

NOTE: These parts are for RT FCM units built before 1/09/08 and FCM's built before 9/12/05

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>Customer must specify length as shown in illustration.</p>	Gear, Fixed, Stainless Steel CN 60 49 1/8" (1248) length <i>Includes:</i> 1 – SS fixed gear 5 – SS #8x1" Phillips flat head wood screws	SS	No longer available
	Gear, Fixed, Stainless Steel CN 64 53 1/8" (1349) length <i>Includes:</i> 1 – SS fixed gear 5 – SS #8x1" Phillips flat head wood screws (11800896)	SS	Check for availability
	Gear, Fixed, Stainless Steel CN 72 61 1/8" (1553) length <i>Includes:</i> 1 – SS fixed gear 5 – SS #8x1" Phillips flat head wood screws (11800896)	SS	Check for availability
 <p>Customer must specify length as shown in illustration.</p>	Extension, Variation Used on special height units Specify length of face plate <i>Includes:</i> 1 – Extension 2 – #8x1" Phillips flat head wood screws (11800810)	YZD	No longer available
	Extension, Variation, Stainless Steel Used on special height units Specify length of face plate <i>Includes:</i> 1 – SS extension 2 – SS #8x1" Phillips flat head wood screws (10816018)	SS	No longer available
	Fork Connector, Multi-lock, with Plate <i>Includes:</i> 1 – Fork connector with plate 2 – 5x25mm Phillips flat head machine screws	YZD	No longer available
	Fork Connector, Multi-lock, with Plate, Coastal <i>Includes:</i> 1 – Coastal Fork connector with plate 2 – 5x25mm Phillips flat head machine screws		No longer available

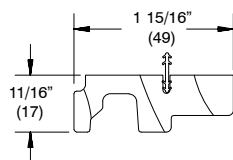
CURRENT REPLACEMENT WOOD, VINYL AND ALUMINUM PARTS

Please reference the Aluminum Chapter (located online only) for select and standard color part numbers.

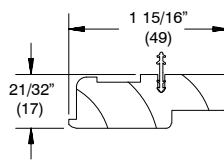
	French Casemaster manufactured after February 7, 1994
Head Jamb Stop Operator	W8461*
Head Jamb Stop Stationary	W7001
Sill Cover Operator / Stationary	W8459* add a comment line if ordering for a pre 9-12-05 FCM or a pre 1-09-08 RT FCM. If unit has been upgraded to current hardware (Siegenia) state "Prep for current hardware."
Side Stop Stationary	W7015
Primary Astragal – FCM	W9011* FCM & RT FCM
Stationary Astragal Interlock – FCM	W9012 –FCM as of 9-12-05 & RT FCM as of 1-9-08
Secondary Astragal	W3139
Side Stop	V1162* must specify right/left locking or hinged jamb
Astragal Cap	A215

NOTE: All replacement interior wood parts for operator and stationary units are supplied with connecting barb (where applicable).

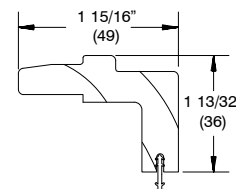
* Manufactured after March 31, 2003. RT FCM after 7/14/03



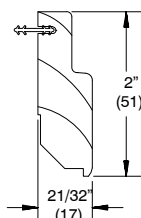
W8461 – Head Jamb Stop Operator



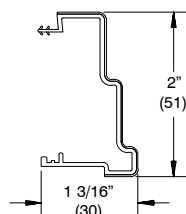
W7001 – Head Jamb Stop Stationary



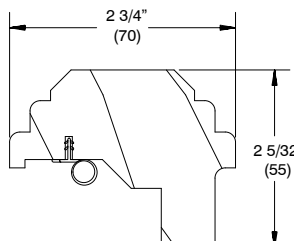
W8459 – Sill Cover Operator / Stationary



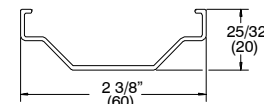
W7015 – Side Stop Stationary



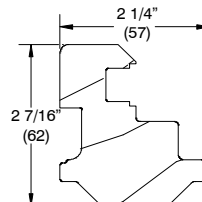
V1162 – Side Stop



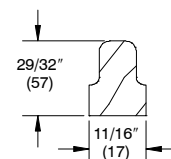
W3139 – Secondary Sash Astragal



A215 Primary Sash Astragal Cap



W9011 – Primary Sash Astragal



W9012 – Stationary Astragal Interlock

TO ORDER REPLACEMENT WOOD PARTS

When ordering replacement parts specify:

1. profile number;
2. call number or rough opening;
3. operation (left, right, stationary, primary and secondary);
4. length;
5. finish;
6. type of unit (FCM or RTFCM).

ORDERING REPLACEMENT OPERATOR OR STATIONARY SASH FOR FRENCH CASEMASTER UNITS

When ordering replacement operating or stationary sash specify:

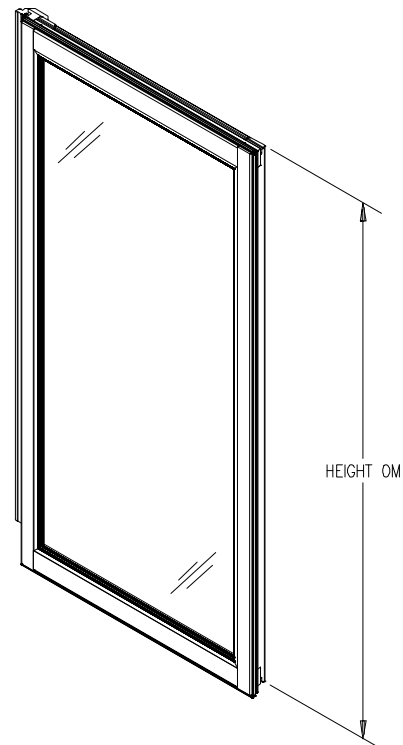
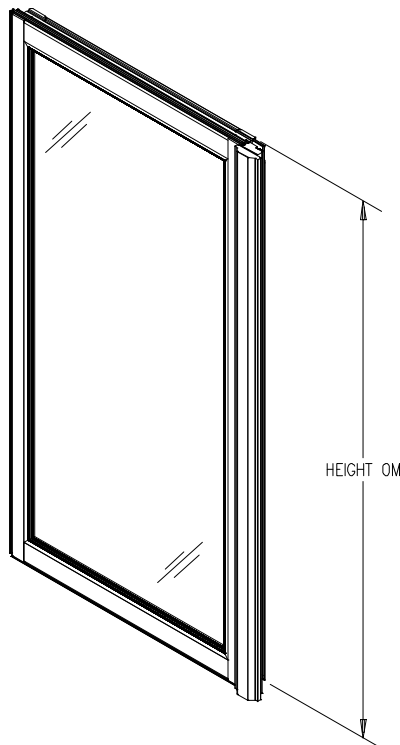
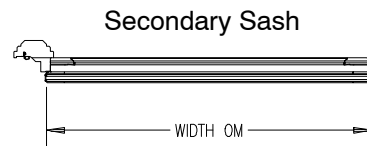
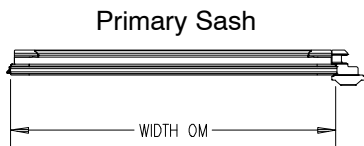
1. size (call number or OM of sash);
2. operator or stationary:
 - a. if operator specify primary or secondary sash. (All sash shipped without hardware unless stated on order for an additional charge.)
3. glazing;
4. finish.

SASH OUTSIDE MEASUREMENT

NOTE: OM of sash does not include astragal.

Wood DLO + 3 3/4" (95) = OM Width of Sash

Clad DLO + 3 7/8" (98) = OM Width of Sash



Wood DLO + 4 5/8" (117) = OM Height of Sash




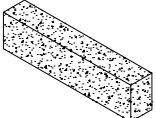
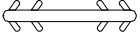
Clad DLO + 4 5/8" (117) = OM Height of Sash

WEATHER STRIP

When ordering replacement parts specify:

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

FRENCH CASEMASTER WEATHER STRIP

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	LENGTH	PART NUMBER
	Flex-Leg Weather Strip, Sash V195 Color: Beige	150" (3810)	15708399
	Foam Weather Strip, Frame V138 Color: Beige	150" (3810)	15910299
	Offset Bulb Weather Strip, Secondary Sash Astragal V192 Color: Beige	84" (2134)	15900058
	Foam Seal 3/8" x 1 1/2" x 1/4" Color: Black		10500099
	Connecting Barb V803 NOTE: Color may vary depending on current stock.	Specify Length	15812999

ORDERING REPLACEMENT SCREENS – FRENCH CASEMASTER

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. Determine the outside measurement of the existing screen. Find the sizes that correspond to the width and height indicated on the following charts. Surrounds are available in satin taupe, bronze, white, pebble gray and brown.

When ordering replacement screen specify:

1. size; – If there is no existing screen from which to obtain the OM of the screen, determine the size of the screen by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color;
3. mesh type (if other than standard).

French Casemaster Screen Sizes Manufactured after March 30, 2003 Daylight Opening to OM of Screen Daylight Opening Width x 2 + 7 13/32" = OM Width of Screen Daylight Opening Height + 2 7/32" = OM Height of Screen			
WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 40	36 25/64"	CN 32	27 1/32"
CN 48	44 25/64"	CN 36	31 1/32"
CN 56	52 25/64"	CN 40	35 1/32"
		CN 48	43 1/32"
		CN 56	51 1/32"
		CN 60	55 1/32"
		CN 64	59 1/32"
		CN 72	67 1/32"

French Casemaster Screen Sizes Manufactured after February 7, 1994 to March 30, 2003 Daylight Opening to OM of Screen Daylight Opening Width x 2 + 7 3/8" = OM Width of Screen Daylight Opening Height + 2 7/32" = OM Height of Screen NOTE: Screens feature bayonet type mounting system.			
WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 40	36 3/8"	CN 32	27 1/32"
CN 48	44 3/8"	CN 36	31 1/32"
CN 56	52 3/8"	CN 40	35 1/32"
		CN 48	43 1/32"
		CN 56	51 1/32"
		CN 60	55 1/32"
		CN 64	59 1/32"
		CN 72	67 1/32"

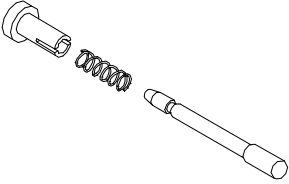
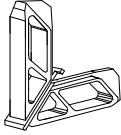
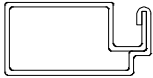
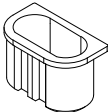
French Casemaster Screen Sizes Manufactured before February 7, 1994 Daylight Opening to OM of Screen Daylight Opening Width x 2 + 7 1/2" = OM Width of Screen Daylight Height + 2 1/2" = OM Height of Screen NOTE: Screens feature black finger pull/leaf spring mounting system.			
WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 40	36 1/2"	CN 32	27 5/16"
CN 48	44 1/2"	CN 36	31 5/16"
CN 56	52 1/2"	CN 40	35 5/16"
		CN 48	43 5/16"
		CN 56	51 5/16"
		CN 60	55 5/16"
		CN 64	59 5/16"
		CN 72	67 5/16"

SCREENS AND SCREEN PARTS

The following parts are used on French Casemaster screens. When ordering replacement parts specify:

1. part number;
2. quantity.

FRENCH CASEMASTER SCREEN PARTS

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Plunger and Spring Assembly FCM and RT screens <i>Includes:</i> 1 – Plunger bolt – aluminum 1 – Plunger bolt cap – Nylon 1 – Plunger bolt spring	Black(cap) Black (bolt)	11900891
	Corner Key, Screen MISC 051	03 BZ SW TP/PB BN CL EG	11867865 11867875 11867863 11867864 11867866 11867868
	Screen Surround, Aluminum Profile A135 Available in 150" (3810) length	TP 03 BZ SW PB BN EG	15231350 15231299 18801120 15231150 15231499 15230199
	Screen Pin Receptacle FCM and RT screens		05070410

ORDERING ENERGY PANELS FOR FRENCH CASEMASTER

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Find the sizes that correspond to the width and height indicated on the following charts. Energy panels are available for French Casemasters with bronze, stone white, brown, pebble gray, or arctic white aluminum surrounds.

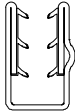



When ordering energy panels specify:

1. size; If there is no existing EP from which to obtain the OM of the panel, determine the size of the EP by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color of surround;
3. glass type.

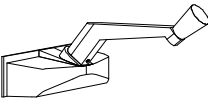
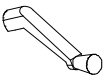
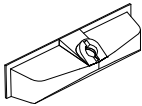
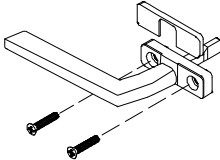

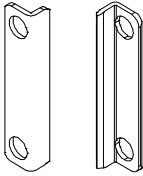
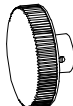
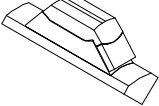
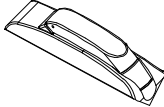
Note: EP sizes and conversions are based on daylight opening of one sash.

French Casemaster Manufactured between 1992 – Present Daylight Opening to OM of EP Daylight Width + 1 1/8" = OM Width of EP Daylight Height + 1 1/8" = OM Height of EP			
WIDTH		HEIGHT	
SIZE	OM-WIDTH	SIZE	OM-HEIGHT
CN 40	15 5/8"	CN 32	25 15/16"
CN 48	19 5/8"	CN 36	29 15/16"
CN 56	23 5/8"	CN 40	33 15/16"
		CN 48	41 15/16"
		CN 56	49 15/16"
		CN 60	53 15/16"
		CN 64	57 15/16"
		CN 72	65 15/16"

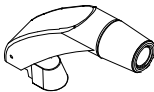
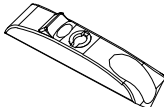
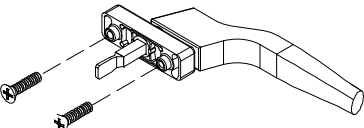
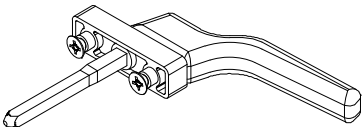
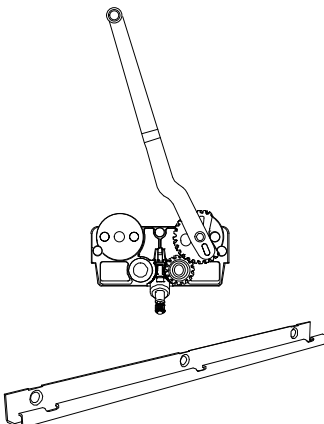
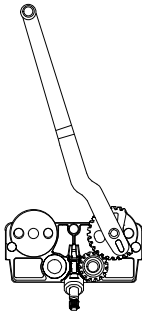
ENERGY PANELS AND PARTS

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Energy Panel Surround, Aluminum Profile A155 Stile and bottom rail For single strength glass – 3/32" (2.5) Available in 150" (3810) length	SW	15246299
		BZ	15243399
		PB	15243299
		BN	15243199
	Energy Panel Surround, Aluminum Profile A157 Stile and bottom rail For double strength glass – 1/8" (3.0) Available in 150" (3810) length	SW	15246199
		BZ	15244299
		PB	15244199
		BN	15244099
	Energy Panel Surround, Aluminum Profile With seal A159 Top rail For single strength glass – 3/32" (2.5) Available in 150" (3810) length	SW	15246499
		BZ	15245299
		PB	15245199
		BN	15245099
	Energy Panel Surround, Aluminum Profile With seal A162 Top rail For double strength glass – 1/8" (3.0) Available in 150" (3810) length	SW	15245999
		BZ	15245799
		PB	15245699
		BN	15245599

OBSOLETE PARTS**OBSOLETE PARTS**

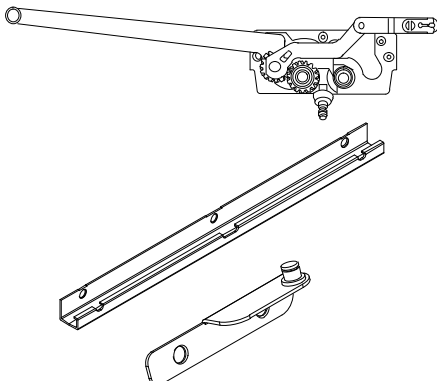
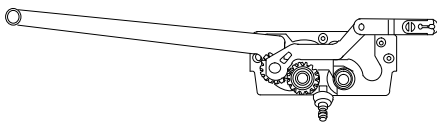
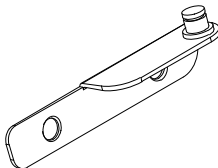
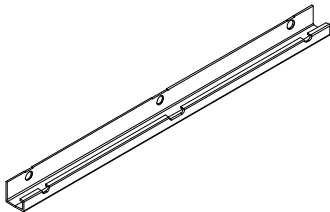
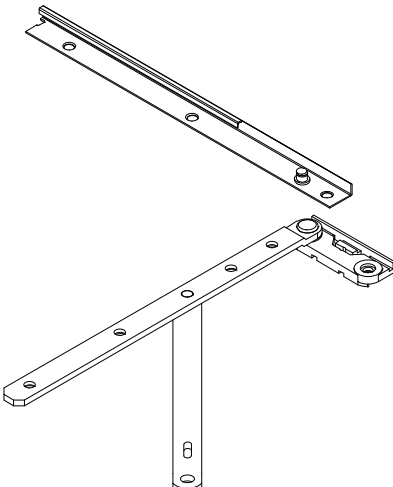
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Straight Handle and Cover Package Used from 1991 to early 1994 <i>Includes:</i> 1 – Handle 1 – Cover	BZ WH	10898231 10840025
	Handle, Straight Used from 1991 to early 1994	BZ WH BS	10898230 10840007 NA
	Handle Cover, Straight Used from 1991 to early 1994	BZ WH BS	10810341 10840008 NA
	Handle, Multi-lock <i>Includes:</i> 1 – Multi-lock handle 1 – Escutcheon 2 – 5x25mm Phillips flat head machine screws		NA Replace with current handle and handle accessory kit
	Escutcheon and Backer Plate, Multi-lock		NA
	Snubber, Concealed 2 per package <i>Includes:</i> 2 – Snubbers 2 – #7x5/8" Phillips flat head wood screws (11800743) 2 – #7x7/8" Phillips flat head wood screws (11800798)		11873198
	Snubber, Concealed, Coastal Hardware 2 per package <i>Includes:</i> 2 – Snubbers 2 – #7x5/8" Phillips flat head wood screws (11800736) 4 – #7x7/8" Phillips flat head wood screws (11800777)		11873199
	Handle, Circle with set screw	BZ WH BS	05570421 10840022 05600006
	Handle, Flip	BZ WH BS	10814853 NA 10814854
	Folding Handle and Cover Package <i>Includes:</i> 1 – Handle with set screw 1 – Cover	PC	NA

OBSOLETE PARTS**OBSOLETE PARTS**




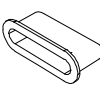
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Handle, Folding with set screw	PC	10898332
	Handle Cover, Folding	PC	10898331
	Handle, Multi-lock and Screws <i>Includes:</i> 1 – Multi-lock handle 2 – 1/4" x 3/4" mm Phillips flat head machine screws (11800119)	PC TP BZ WH BS AB SC SN ORBZ	NA*
	Lock Handle <i>Includes:</i> 1 – Handle 2 – 1/4" x 3/4" Phillips flat head machine screws (11800119)	PC	10816105
	Single Arm Roto-gear Operator, Complete, Coastal Hardware CN 40 to under CN 48 width* For sash with daylight opening width of 14 1/2" (368) to under 18 1/2" (470) <i>Includes:</i> 1 – Single arm roto-gear LH – 10814806 RH – 10814809 1 – Sash track 10814812 8 – #8x1" Phillips flat head wood screws (11800896)	LH RH	11869375 11869374
	Single Arm Roto-gear Operator, Coastal Hardware CN 40 to under CN 48 width* For sash with daylight opening width of 14 1/2" (368) to under 18 1/2" (470) Requires removable cover <i>Includes:</i> 1 – Single arm roto-gear 5 – #8x1" Phillips flat head wood screws (11800896)	LH RH	10814806 10814809

* The new handle retro-fits to product built before 9/12/05. Please order the new (current) handle for replacement purposes.



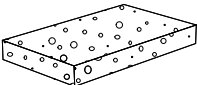
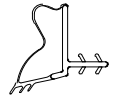
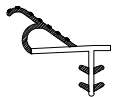
OBSOLETE PARTS**OBSOLETE PARTS**

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>NOTE: Handle and cover must be ordered separately.</p>	Egress Dual Arm Roto-gear Operator, Complete, Coastal Hardware CN 48* through CN 56 width For sash with daylight opening width of 18 1/2" (470) through 22 1/2" (572) <i>Includes:</i> 1 – Egress dual arm roto-gear LH – 10814802 RH – 10814803 1 – Sash track 10814812 1 – Egress sash bracket LH – 10814834 RH – 10814835 10 – #8x1" Phillips flat head wood screws (11800896)	LH RH	11869335 11869336
	Egress Dual Arm Roto-gear Operator, Coastal Hardware CN 48* through CN 56 width For sash with daylight opening width of 18 1/2" (470) through 22 1/2" (572) <i>Includes:</i> 1 – Egress dual arm roto-gear 5 – #8x1" Phillips flat head wood screws (11800896)	LH RH	10814802 10814803
	Egress Sash Bracket, Coastal Hardware <i>Includes:</i> 1 – Egress sash bracket 2 – #8x1" Phillips flat head wood screws (11800896)	LH RH	10814834 10814835
	Sash Track, Coastal Hardware <i>Includes:</i> 1 – Sash track 3 – #8x1" Phillips flat head wood screws (11800896)		10814812
	Adjustable Hinge Package, Complete, Coastal Hardware Used only on French Casemaster units Requires 3/8" open end wrench (10814840) for adjustment <i>Includes:</i> 4 – Adjustable hinge tracks 2 – LH – 10814743 2 – RH – 10814744 4 – Hinge arm assemblies 2 – LH – 10814866 2 – RH – 10814867 12 – #7x5/8" Phillips flat head wood screws (11800736) 16 – #8x1" Phillips flat head wood screws (11800896)		11873207

OBSOLETE PARTS**OBSOLETE SCREEN PARTS**

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Leaf Spring M0104 Used from 1991 to early 1994		11868835
	Finger Pull, Clear V254 Used from 1993 to early 1994 Replaces black finger pull.		11860350
	Bayonet Latch	LH Dark BZ RH Dark BZ LH 03 BZ RH 03 BZ LH WH RH WH PB	11040385 11040386 11040387 11040388 11040380 11040381 N/A
	Receptacle M556	Beige	11869624

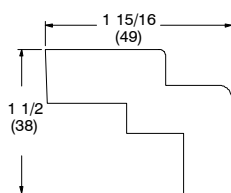
OBSOLETE WEATHER STRIP

ILLUSTRATION NOT TO SCALE	DESCRIPTION	LENGTH	PART NUMBER
	Jamb Weather Strip V194 Color: Beige Used before July 1999	84" (2134)	15900007
	Head Jamb and Sill Weather Strip V192 Color: Beige Used before April 1993	84" (2134)	15900058
	Foam Seal 1 1/8 x 2" x 1/4" Color: Black Used before 7/1/99		Replace with 10500099
	Foam Weather Strip, Frame V124 Color: Beige	150" (3810)	Replace with 15910299
	Flex-Leg Weather Strip, Sash V191 Color: Beige	150" (3810)	Replace with 15708399

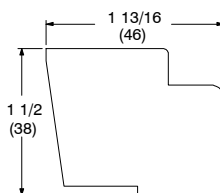
WOOD AND CLAD FRENCH CASEMASTER
OBSOLETE WOOD PARTS

	WFCM MFD prior to 2/7/1994	FCM MFD between 2/7/1994 – 3/31/2003	FCM MFD between 3/31/2003 – 9/12/2005 WFCMRT mfd between 3/31/2003 – 1/9/2008
Hardware Cover Operator	W7022	W7018—if unit in field has been up- graded to current hardware (Siegenia), state “prep for current hardware”.)	
Sill Cover Stationary	W7026		
Screen Channel Operator	W7028		
Head Jamb Stop	W7032	W7016	
Inside Stop Stationary	W7034		
Side Stop		W2068 was used as a replacement part for V905 on units starting 4/30/10 for a short time. V905 is now available may be used for all replacements	
	WFCM mfd prior to 7/01/1999		
Exterior Astragal	W7039*		
Interior Astragal	W7040*		
Stationary/Transom Astragal	W7043		
Primary Astragal – FCMRT			W3138
Stationary Astragal Interlock			W7115

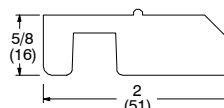
* No longer available



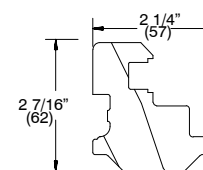
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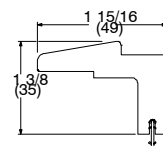
W7026



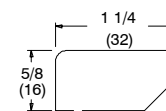
W7028



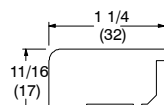
W3138 – Primary Sash
Astragal – FCMRT Only



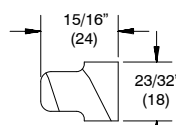
W7018



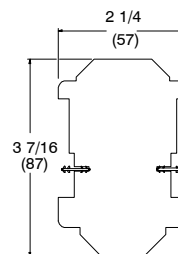
W7032



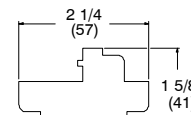
W7034



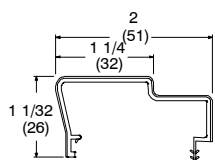
W7115 (obsolete FCM 9/12/05) replaced with
W9012/W9011



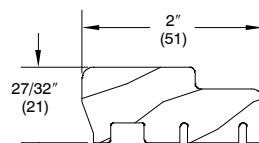
W7043



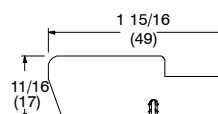
W7039*



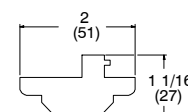
V905** – Side Stop



W2068



W7016



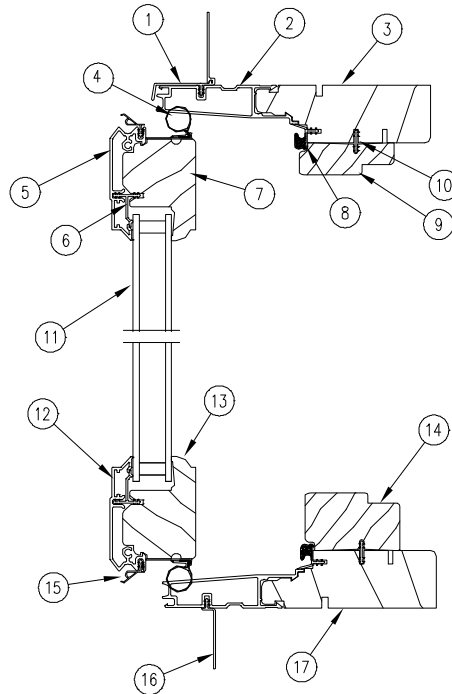
W7040*

When ordering replacement wood parts specify:

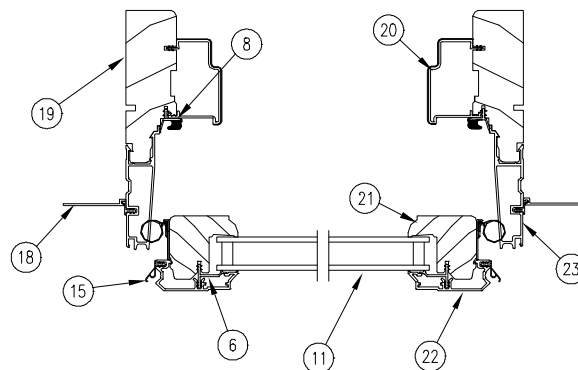
1. profile number;
2. call number or rough opening;
3. length;
4. finish.

VENTING PICTURE

**HEAD JAMB
 & SILL DETAIL**



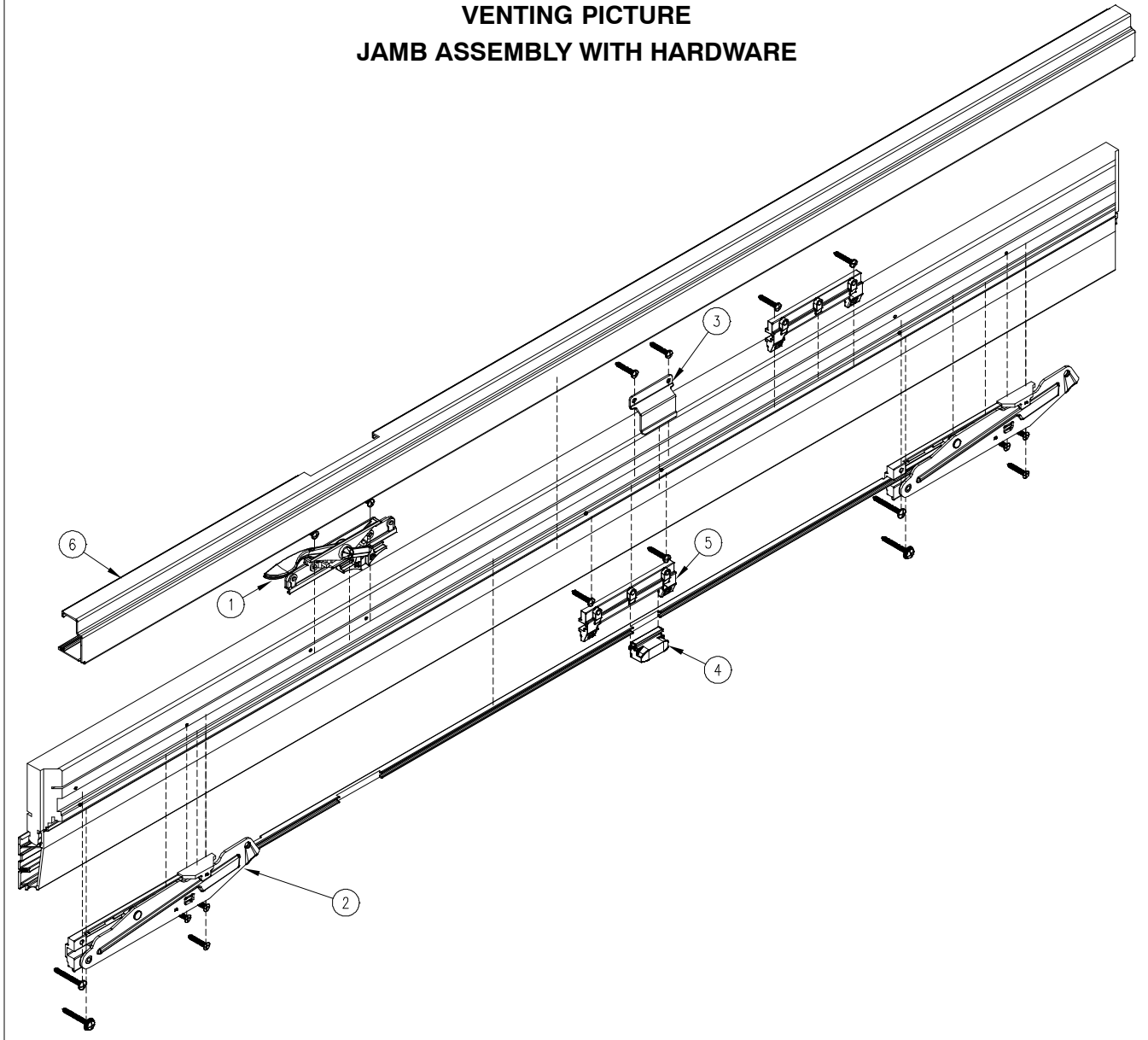
**JAMB
 DETAIL**



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

- | | | |
|------------------------------|------------------------------|----------------------|
| 1. Head Jamb Nailing Fin | 9. Head Jamb Stop, W8908 | 17. Sill |
| 2. Head Jamb Cladding | 10. Connecting Barb | 18. Jamb Nailing Fin |
| 3. Head Jamb | 11. Insulated Glass | 19. Jamb |
| 4. Screen Bulb Assembly | 12. Bottom Rail Cladding | 20. Side Stop, V1345 |
| 5. Top Rail Cladding | 13. Bottom Rail | 21. Stile |
| 6. Sash Cladding Connector | 14. Sill Stop, W9482 | 22. Stile Cladding |
| 7. Top Rail | 15. Sash Weather Strip, V195 | 23. Jamb Cladding |
| 8. Frame Weather Strip, V138 | 16. Sill Nailing Fin | |

**VENTING PICTURE
JAMB ASSEMBLY WITH HARDWARE**



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

- | | |
|------------------------|--------------------------|
| 1. Handle Assembly | 4. Cam |
| 2. Hardware Assembly | 5. Cam Retainer |
| 3. Secondary Lock Clip | 6. Jamb Side Stop, V1345 |

Hardware listed is per side of unit (for special sizes go to next larger size).

CN36 and CN40 Heights

All Widths – No Cam, Keeper, Retainer or Lock Clip

CN48 Heights

All Widths – One Retainer (no Cam, Keeper, or Lock Clip)

CN56, CN60, CN64 Heights

Under CN40 Widths – One Retainer (no Cam, Keeper, or Lock Clip)

CN40 Width and Greater – One Retainers, One Cam , One Keeper and One Lock Clip

CN72 Heights

Under CN40 Widths – Two Retainers (no Cam, Keeper, or Lock Clip)

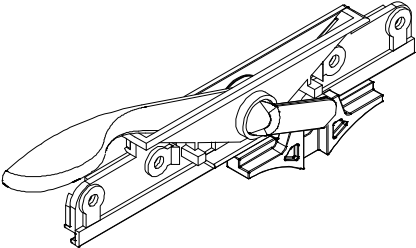
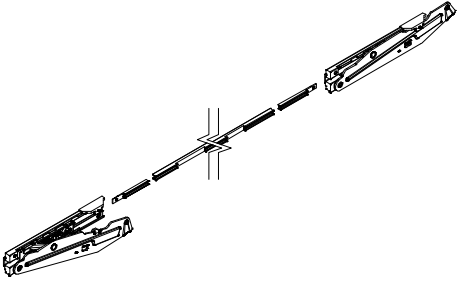
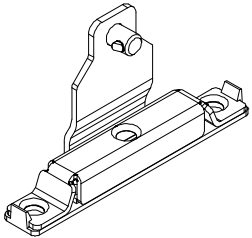
CN40 Width and Greater – Two Retainers, One Cam, One Keeper and One Lock Clip

REPLACEMENT PARTS

When ordering replacement Venting Picture parts specify:

1. type of unit;
2. part number;
3. description.

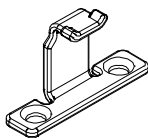
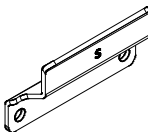
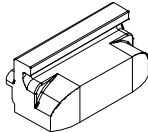
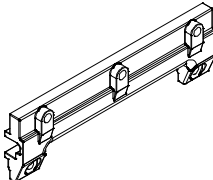
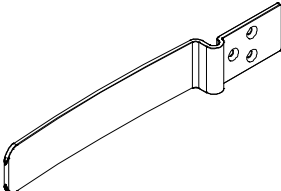
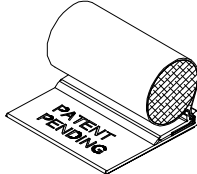
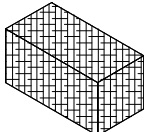
NOTE: Handing of parts is viewed from the exterior.

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./COL- OR	PART NO.
 RH Shown	Handle Assembly <i>Right Hand or Left Hand Assembly</i> Includes: 1 – Handle Assembly 2 – #8 x 1" Phillips pan head self-tapping screws (11800800)	<u>Right Hand</u> WH 10898200 BZ 10898201 TP 10898202 BS 10898204 AB 10898206 SC 10898205 SN 10898208 ORBZ 10898207	
		<u>Left Hand</u> WH 10898209 BZ 10898210 TP 10898211 BS 10898212 AB 10898214 SC 10898213 SN 10898216 ORBZ 10898215	
 RH Shown	Hardware Assembly Includes: 1 – Hardware Assembly 2 – #8-18 x 1 1/2" Phillips truss head self-tapping screws (11808150) 2 – #8-18 x 1 1/2" Phillips truss head self-tapping screws with shims washers (11808151) 6 – #7HD-#8-18 x 1" Phillips flat head self-tapping screws (11800773)	<u>Right Hand</u> CN 36 10810501 CN 40 10810502 CN 48 10810503 CN 56 10810504 CN 60 10810505 CN 64 10810506 CN 72 10810523	
		<u>Left Hand</u> CN 36 10810508 CN 40 10810509 CN 48 10810510 CN 56 10810511 CN 60 10810512 CN 64 10810513 CN 72 10810524	
	Sash Bracket Includes: 1 – Sash Bracket 3 – #8-18 x 1 1/4" Phillips flat head self-tapping screws (11808118)		10810012

REPLACEMENT PARTS

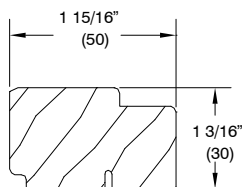
When ordering replacement Venting Picture parts specify:

1. type of unit;
2. part number;
3. description.

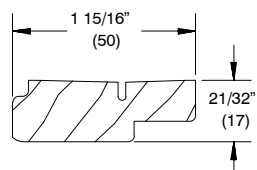
ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
	Keeper Kit For Venting Picture <i>Includes:</i> 2 – Keepers (10814816) 2 – #8-18 x 1 1/4" Phillips flat head self-tapping screws (11808118)		11860701
	Secondary Lock Clip <i>Includes:</i> 2 – #8-18 x 1 1/2" Phillips truss head self-tapping screws (11808150)		105551
	Cam		10811002
	Retainer <i>Includes:</i> 2 – #8 x 1" Phillips pan head self-tapping screws (11800800)		10811003
	Sash Removal / Installation Tool NOTE: use 3-#10x1" wood screws to attach or order 3 screws part number 11801010		11860024
	Screen Bulb Assembly Length 120"		11850030
	Screen Corner Key Kit <i>Includes:</i> 4 – flexible screen bulb corner keys 1 – Installation instruction		11860702

CURRENT REPLACEMENT WOOD AND VINYL PARTS

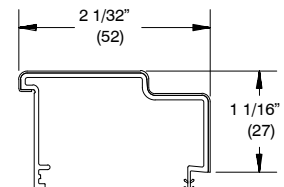
	Venting Picture
Head Jamb Stop	W8908
Side Stop	V1345
Sill Stop	W9482
NOTE: All replacement interior wood parts are supplied with connecting barb (where applicable).	



W9482 – Sill Stop
 32255637 – CN36
 32255641 – CN40
 32255649 – CN48
 32255657 – CN56
 32255661 – CN60
 32255665 – CN64
 32255673 – CN72



W8908– Head Jamb Stop



V1345 – Side Stop

TO ORDER REPLACEMENT PARTS

When ordering replacement parts, specify:

1. profile number or part number where applicable;
2. call number or rough opening;
3. finish;
4. RH or LH.

ORDERING REPLACEMENT SASH FOR VENTING PICTURE UNITS

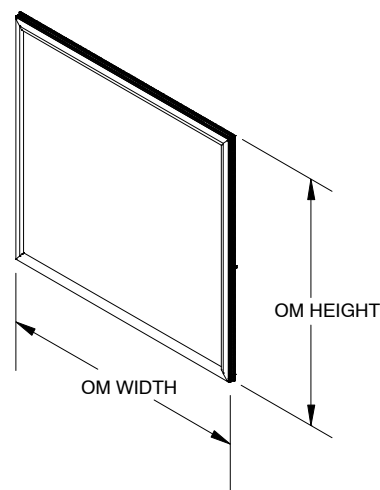
When ordering replacement sash specify:

1. size (call number or OM of sash);
2. glazing (3/4" or 1");
3. finish.

NOTE: Sash will come with screen bulb and flexible corner keys. Brackets need to be ordered separately.

Sash Outside Measurement

Exterior View

**ORDERING REPLACEMENT WEATHER STRIP FOR CASEMASTER UNITS**

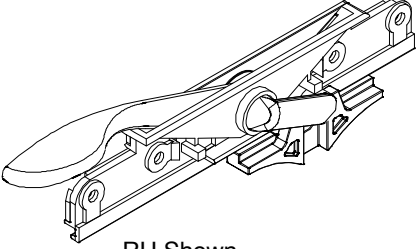
When ordering replacement weather strip specify:

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

VENTING PICTURE WEATHER STRIP

ILLUSTRATION <i>NOT TO SCALE</i>	DESCRIPTION	LENGTH	PART NUMBER
	Flex-Leg Weather Strip, Sash V195 Color: Beige	150" (3810)	15708399
	Foam Weather Strip, Frame V138 Color: Beige	150" (3810)	15910299

OBSOLETE PARTS

ILLUSTRATION NOT TO SCALE	DESCRIPTION	OPER./ COLOR	PART NO.
 <p>RH Shown</p>	Handle Assembly Right Hand or Left Hand Assembly <i>Includes:</i> 1 – Handle Assembly 2 – #8 x 1" Phillips pan head self-tapping screws (11800800)	<u>Right Hand</u> PC	10898218
		<u>Left Hand</u> PC	10898217