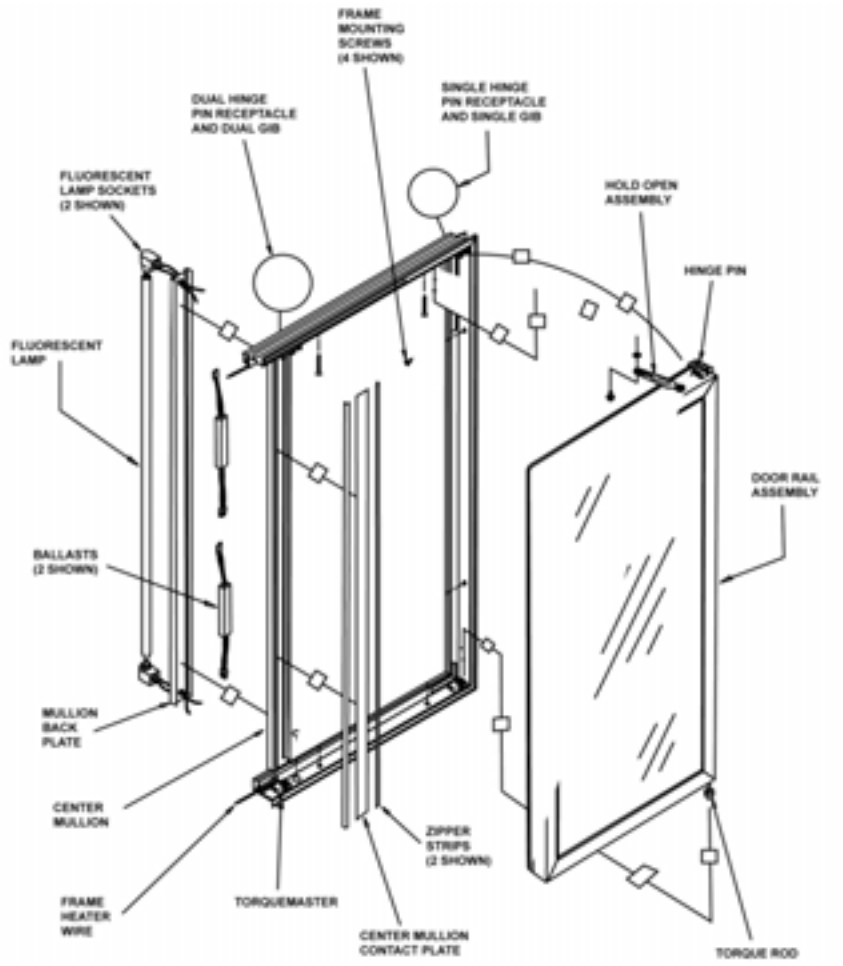
Anthony®

A DOVER COMPANY



Vista C
Installation Manual

99-18690-I001

Anthony products identified in this manual are designed and certified to meet or for safety, and for sanitation standards.
European products meet CE requirements.
Each customer is responsible for final site approval.

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1. Preliminary Considerations for Door and Frame Servicing Procedures

1.1. Safety

Proper safety equipment includes:


Safety Glasses


Work Gloves


Work Shoes

NOTE: Turn off all electrical power prior to beginning work on the door or on any electrical equipment. Use extra caution when working with or around the door glass package.

NOTE: Do Not use power tools for the following procedures.

1.2. Tools

Tools required for this procedure include:

- #2 Phillips-head screwdriver
- Flat-head screwdriver
- Needle-nose pliers
- Rubber or plastic mallet
- 7/16” and 1/2” Hand Wrench
- 5/32” Hex Key
- Wire stripper and cutter
- Soldering iron
- Heat Gun
- Razor Knife

1.3. Tips

- Complete replacement of wire assemblies is recommended whenever required. Splice wires only if necessary, using proper materials: such as electrical tape, wire nuts, flux core solder and heat shrink.
- Apply liquid soap to rail plastic covers and gaskets upon installation to facilitate insertion into mounting grooves.
- Keep doors and frames clean for product efficiency. This can also help reduce energy consumption and potential health hazards.
- Whenever binding gasket or plastic parts, use food grade silicone.
- Whenever replacing fluorescent lamps, always replace lamp covers as well.
- Always use the correct tool for the job to be performed. This ensures proper installation and minimizes safety risks.
- If there is any doubt about the work to be performed, consult with a certified technician or Anthony representative.
- Preventative maintenance is recommended to ensure product longevity.

2. Frame Installation and Service Maintenance

Read instructions completely before installing the frame.

- Clearance between the frame sill and the case bottom or floor is mandated by local building codes.
- Sill net opening must be at minimum of two inches in height.
- Sill must be completely level.

Before installing the frame, confirm that the size of the net opening accommodates the finish frame. If the tolerances are too high, the net opening will have to be enlarged.

Check size of finished frame to net opening.

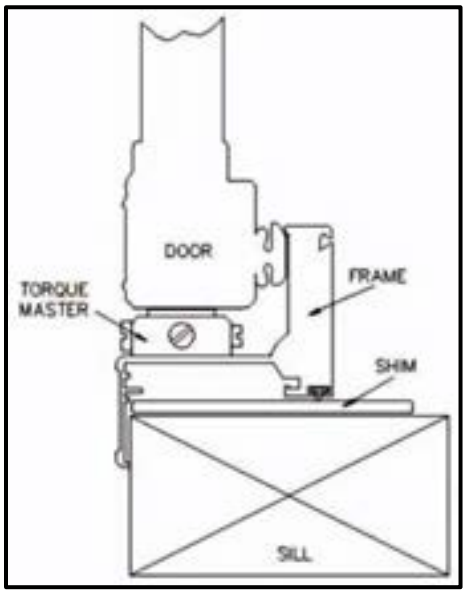
- Subtract the frame height measurement, from the net opening's height measurement.
- Subtract the frame width measurement, from the net opening's width measurement.
- Divide each number in half. This is the amount of gap that will occur between the frame and the net opening.

If the gap between the frame and the net opening is greater than 1/16", shim the gap for a proper fit.

2.1. Shimming

1. Acquire sturdy, penetrable material, such as plywood. The thickness of the material should be wedge shaped or slightly less than the gap to be filled.
2. Measure the gap length (height or width of frame) and cut the shim material to 1/16" less than the measured length.
3. Install the shim using the same type of mounting hardware that will be used to install the frame. Be certain that the shim installation hardware will not interfere with the frame installation hardware.
4. If necessary, cut a second shim to the same length and install it in the opposite side of the net opening.

5. If the adjacent sides of the net opening need shimming, repeat the previous steps. Match the shim length to the frame sides of the net opening (less 1/16”).



Anthony Door and Frame Cross-Section

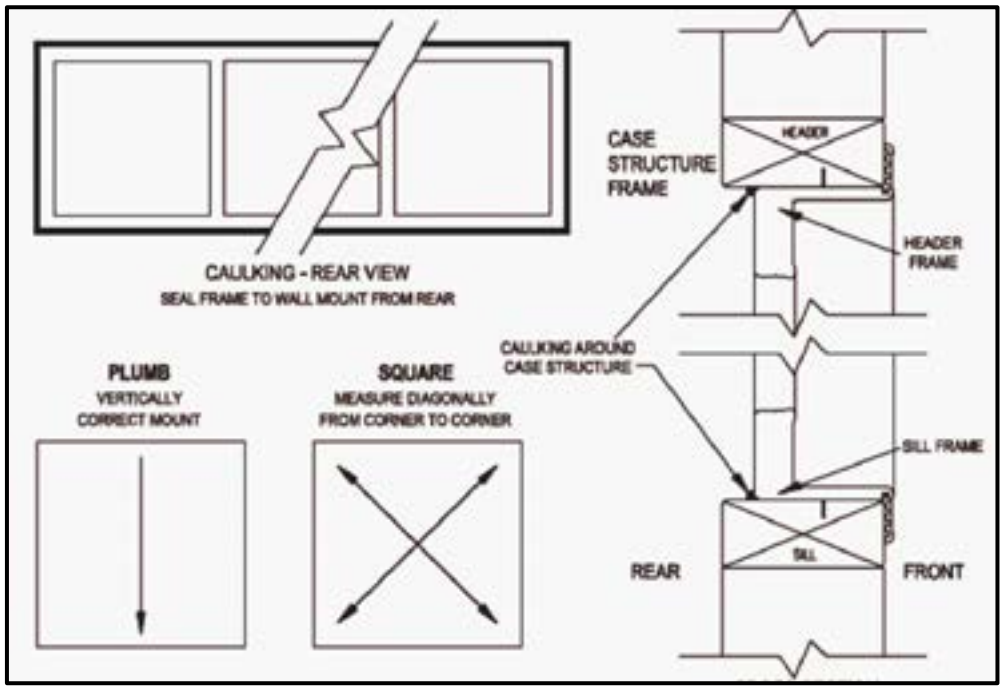
2.2. Frame Installation

1. Verify openings conform to net openings listed in price book or original order.
2. Insert the finished frame assembly into the net opening. DO NOT force the frame if the fit is too tight.
3. Insert a mounting screw into a mounting hole in each corner of the frame and tighten each screw until it is approximately a quarter inch from flush.
4. Check the frame is aligned properly or square. Refer to “Frame Installation Reference”.
    - Use a 16-foot measuring tape to measure diagonally one corner to the opposite and note the distance.
    - Measure the distance between the remaining two corners.
    - Both measurements should be the same, within a 1/16” difference.
5. Confirm the frame and frame flanges are vertically aligned to the wall surface around the net opening.
6. Place a level on the top flange of the header frame to check if it is horizontally aligned.
7. If the top of the header frame sags or bows, correct as necessary.
8. When the frame is aligned, tighten all mounting screws securely until each is flush to the frame surface.

Note: DO NOT over-tighten the screws, as this can cause the frame to become out of square.

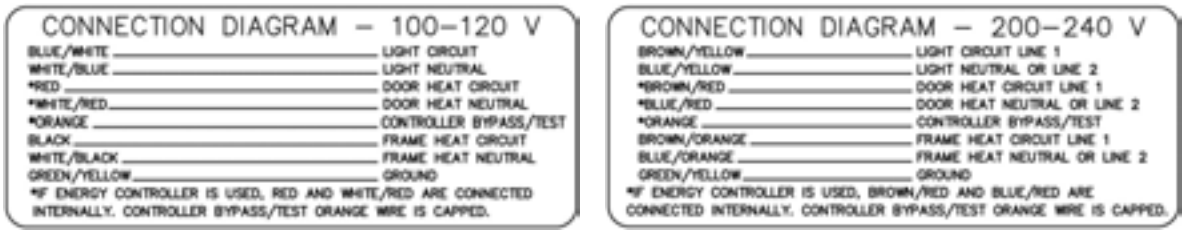
9. Check entire frame to ensure installation is correct.

Note: Use caulk and food grade silicone sealant to seal the gap between the frame and the surrounding wall, inside case, cooler or freezer.

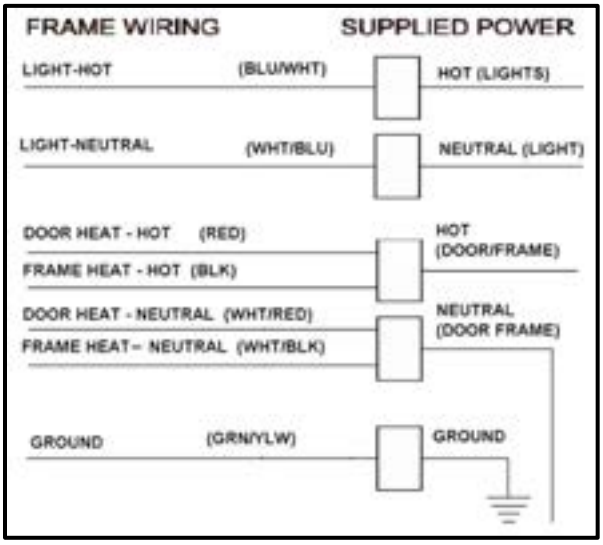


Frame Installation Reference

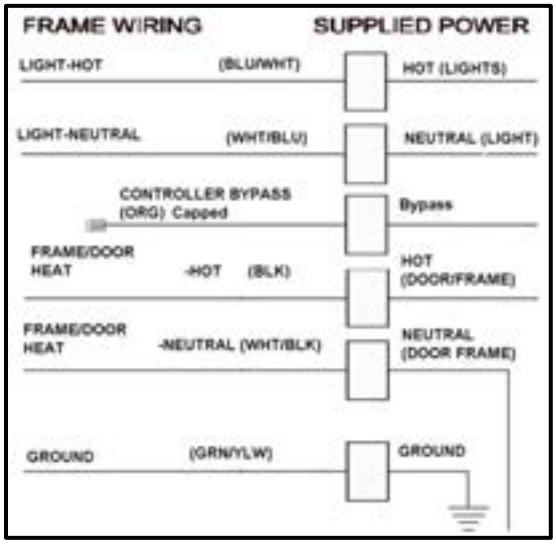
2.3. Frame Electrical Wiring Connections



Wire Diagram Connection Label



Wiring without Energy Controller



Wiring with Energy Controller

The seven individual wires extending from the flexible conduit atop the frame provide electrical power to various frame and door functions.

Using wire connectors, these wires should be grouped by the Hot wires (Circuit wires), the Neutral wires and the ground wire for connection to either the facility or the case power.

- Blue/White wire connects to the supplied Hot (or Lights Circuit Wire).
- White/Blue wire connects to the supplied Light neutral wire.
- Red and Black wires connect to the supplied Hot (or Door/Frame Heater Circuit Wire).
- White/Red and White/Black wires connect to the supplied neutral wire for Door/Frame Circuit.
- Green/Yellow wire connects to the supplied ground wire.

Note: Wiring for lights should have a separate circuit from the door/frame heater wiring circuit.

3. Door Installation

3.1. Door Assembly Installation

1. Hold the door on each side, with the handle facing forward. Lift the door and align the torque rod to insert into the TorqueMaster™ socket at the base of the frame.

Insert Torque Rod into Torquemaster

2. Engage the door with the hinge pin inserted into the Gib (hinge pin plug) receptacle at the top of the frame. Push the door into the frame until the hinge pin snaps into place.

Connect Hinge Pin

3. Insert the hold-open bolt through the elongated hold-open slot.
4. Insert the washer and the hold-open bolt into the frame mounting hole and tighten the bolt, use a 7/16” open-ended hand wrench.

Tighten Hold-Open Bolt

5. Set the door tension swing and correct the door alignment by adjusting the TorqueMaster. (See “TorqueMaster and SAG Adjustment”. Refer to TorqueMaster Assembly figure.

Note: Exercise caution when handling the door.

Note: DO NOT use power tools when adjusting the TorqueMaster.

Note: DO NOT over tighten the hold-open bolt. Verify that the hold-open does not bind while sliding along the hold-open bolt. Adjust as necessary.

3.2. Door Assembly Removal

1. Release tension on the TorqueMaster with a flat-head screwdriver. Turn the TorqueMaster front facing screw clockwise, until the door does not automatically close from an open position.

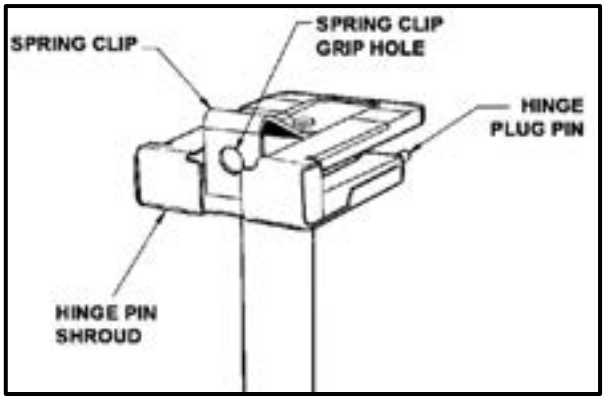
Release Torquemaster Tension

2. Open the door to access the hold open device, then loosen and remove the hold-open detent bolt using a 7/16” hand wrench.

Remove Hold-Open Bolt

3. Retract the door to a near-closed position.

4. Remove the hinge pin plug from the frame by inserting the top-half of needle-nose pliers into the spring clip grip hole and the bottom half beneath the hinge pin shroud.



Disengage Hinge Pin

5. Compress the pliers to clamp down on the hinge pin spring clip, then simultaneously pull the hinge pin away from the frame and pull the door top out.

Withdraw Away from Hinge Gib

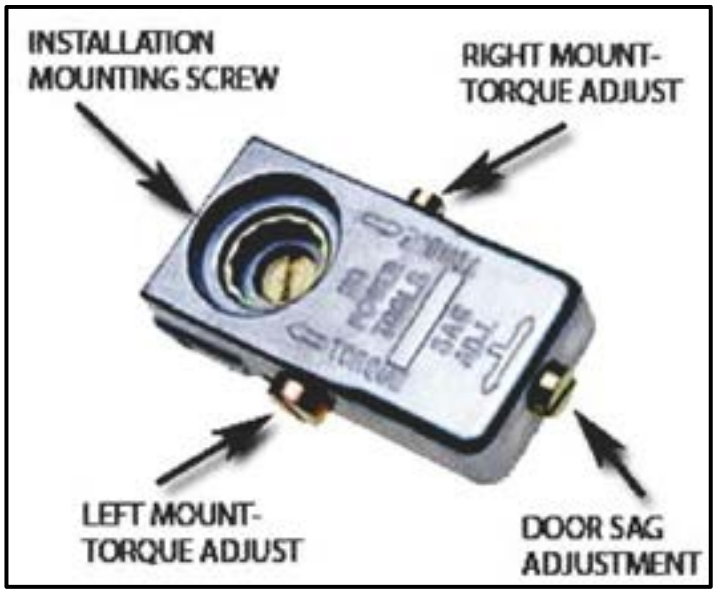
6. Lift the door out of the TorqueMaster.

Withdraw from Frame

Secure or lean the door on its side against a stable surface.

3.3. Torquemaster and Sag Adjustment

The TorqueMaster regulates the door alignment and the door closing tension.



Remove Torque Rod

1. Use a flathead screwdriver to adjust the torque rod tension, by turning the outside screw on the TorqueMaster.
    - Turn counter-clockwise to increase tension.
    - Turn clockwise to decrease the tension.
2. Adjust the door sag to square the door in the frame by turning the screw that is marked SAG ADJ. (sag adjustment), on the end of the TorqueMaster, until the door is aligned square in opening.
    - Turn counter-clockwise to raise handle side of door.
    - Turn clockwise to lower the handle side of door.

3.4. Removing and Replacing the Door Rail Plastic Cover

1. Insert the end of a slot head screwdriver in between two plastic cover ends at the edge of cut.

Insert Screwdriver

2. Carefully twist the screwdriver to loosen the corner of the plastic cover lip from the door rail.
3. Continue to pry the plastic cover from the door rail until the entire end of the plastic rail is disengaged.

Disengage Plastic Rail

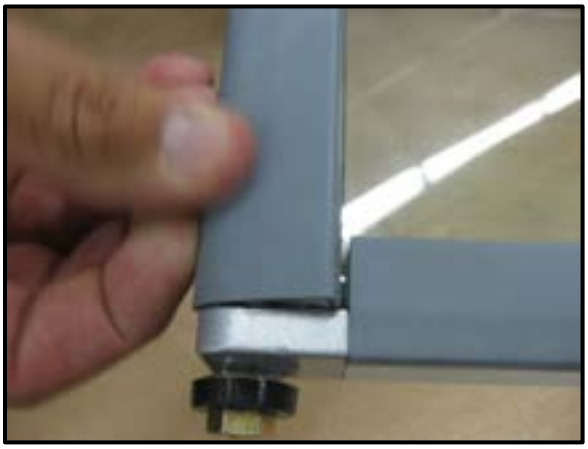
4. Pull the plastic cover up and out of door rail grooves until the entire plastic cover is removed from the door rail
5. Repeat Step 2 through Step 4 to loosen and remove the three remaining plastic covers.

3.5. Install New Replacement Plastic Covers

1. To install the new, replacement plastic covers, begin by aligning the replacement plastic cover evenly onto the door rail.
2. Insert the outer edge of the plastic cover into the outside groove of one of the door rails.

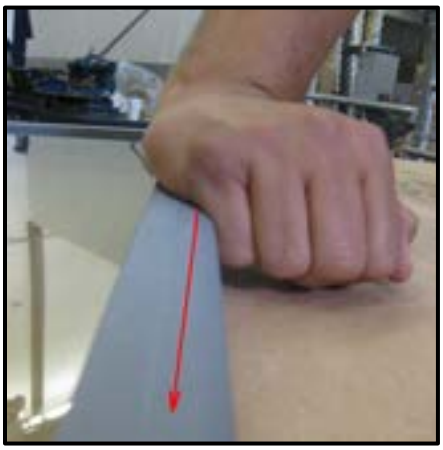
Insert Plastic Cover Outer Edge

3. Push the plastic cover down and inward, toward the center of the door.



Push Plastic Cover Down

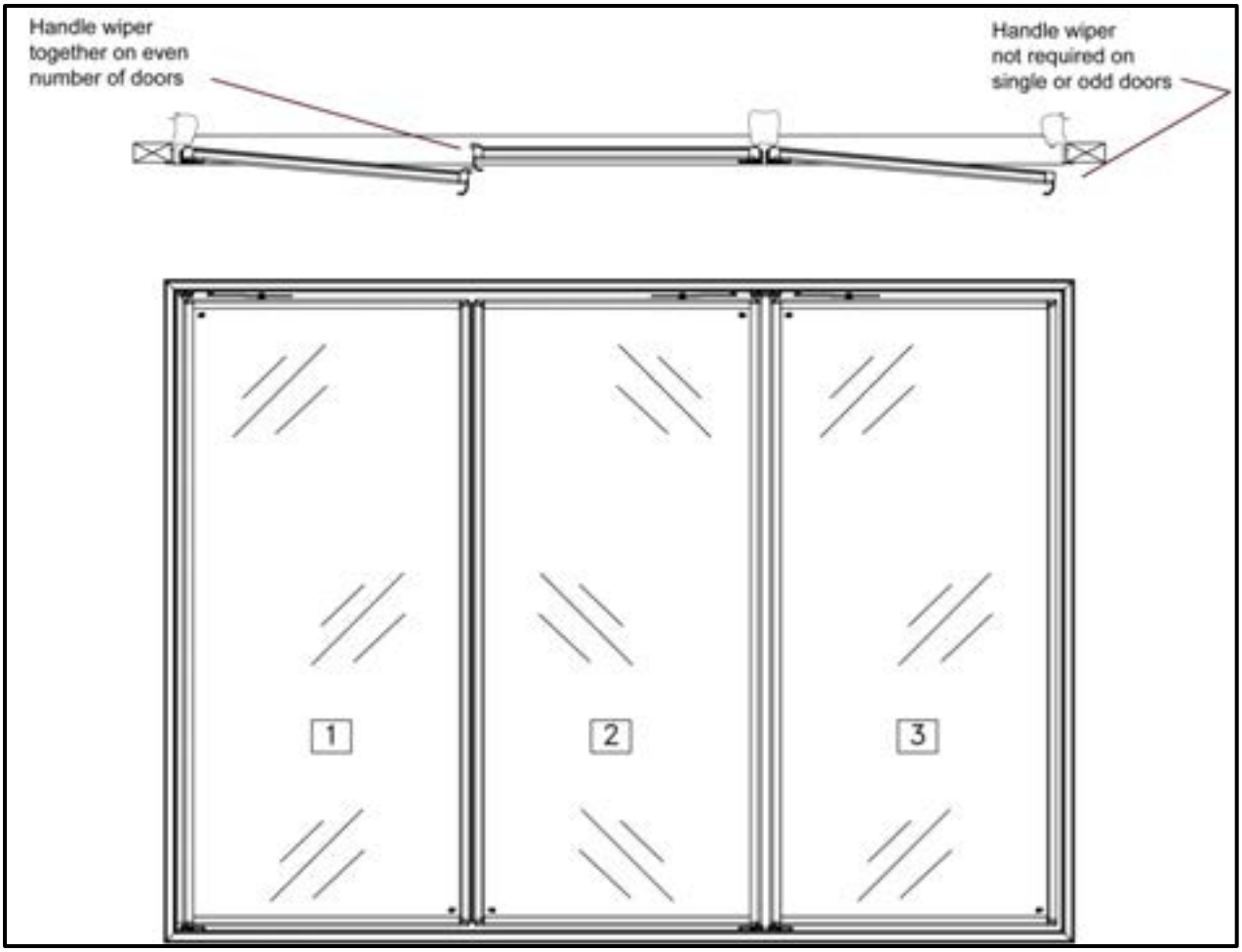
4. Slide along the entire length of the plastic cover while firmly applying pressure against it. Continue applying pressure down along the length of the entire door rail, inserting both the outside lip and the inside lip into the door rail grooves simultaneously.



Apply Pressure to Plastic Cover

Note: Carefully tap the plastic cover using a plastic or rubber mallet with deliberate strokes, outward and away from the glass, to help seat the lips of the plastic cover into the grooves of the door rails.

5. Check the entire plastic cover and confirm that both the inside and outside lips are fully inserted into the door rail grooves.
6. Repeat this procedure, aligning each straight edge, with the corner pieces until all four plastic covers are properly installed onto door rails. Refer to “Apply Pressure to Plastic Cover” figure.
7. Confirm that each plastic cover is fully installed and the straight cut edges are properly aligned with the corner pieces.


Handle wiper
together on even
number of doors
Handle wiper
not required on
single or odd doors
1
2
3

4. Revision History Page

REV	ORIGINATOR	DESCRIPTION OF CHANGE	EFFECTIVE DATE
A	SWatstein	Initial Release	11/04/2010
B	S. Fisher	Reformat from PDF to Word	04/03/2013