Allegis Outswing Latch Installation



- A Latch Mechanism
- B Foam Gasket
- C Tinnerman Escutcheon
- D Lock Nut
- E Roller Cam
- F Inside Handle
- G Flange Nut
- H Outside Door Handle
- I Machine Screw
- J Screw Cover Plug

Allegis Outswing Latch Installation

Photo # 1

Place the gasket (B) onto the inner surface of the latch mechanism (A). Align the small hole in the gasket with the peg on the mechanism.

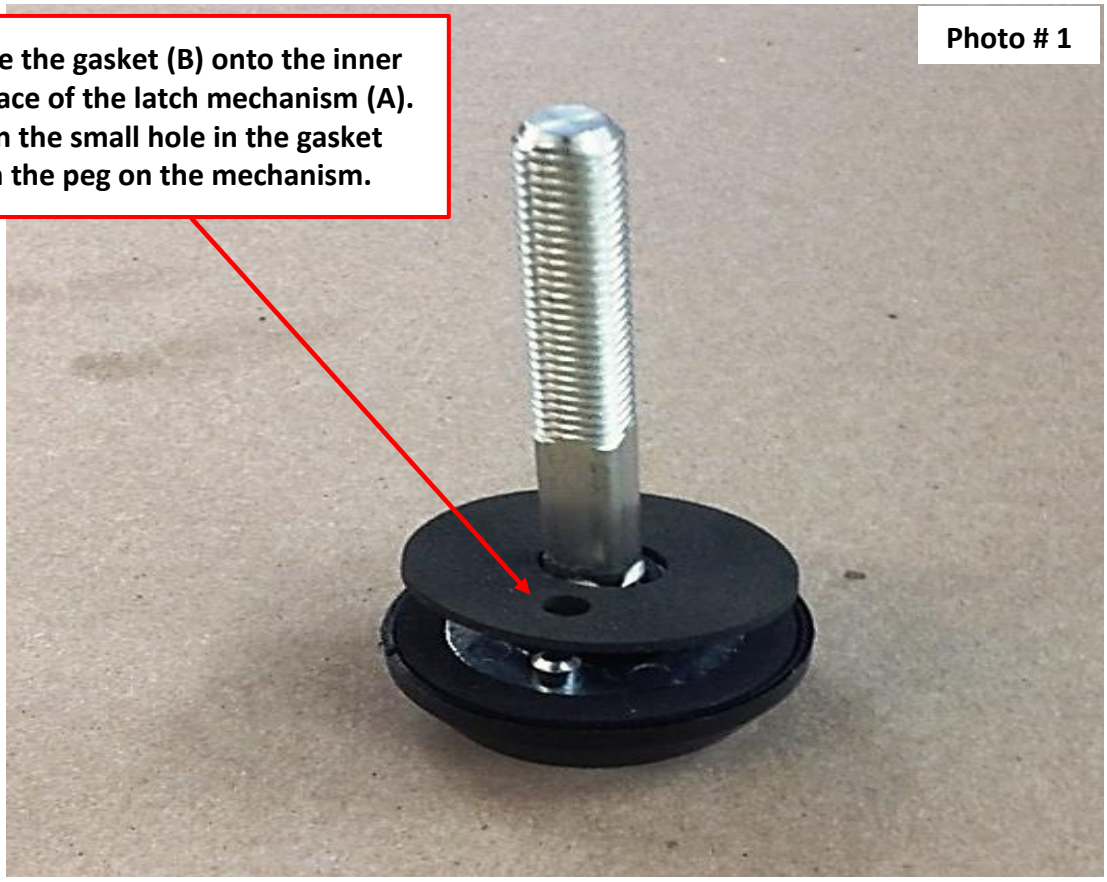
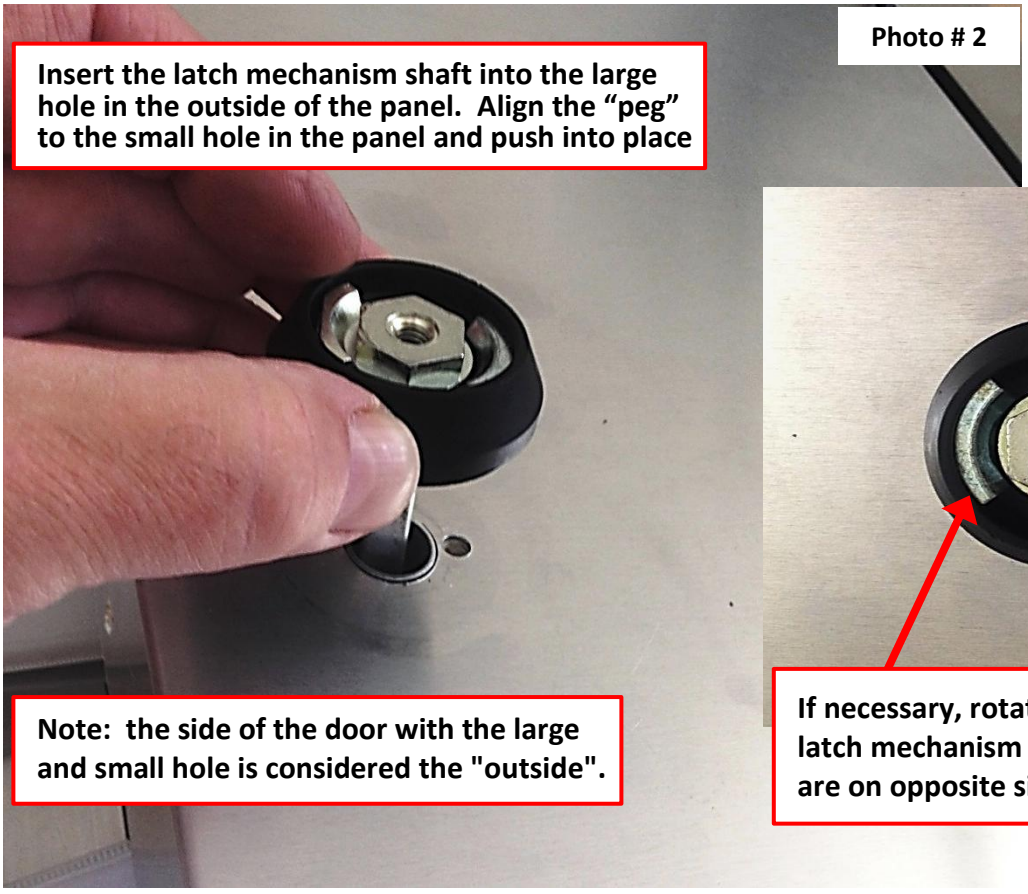


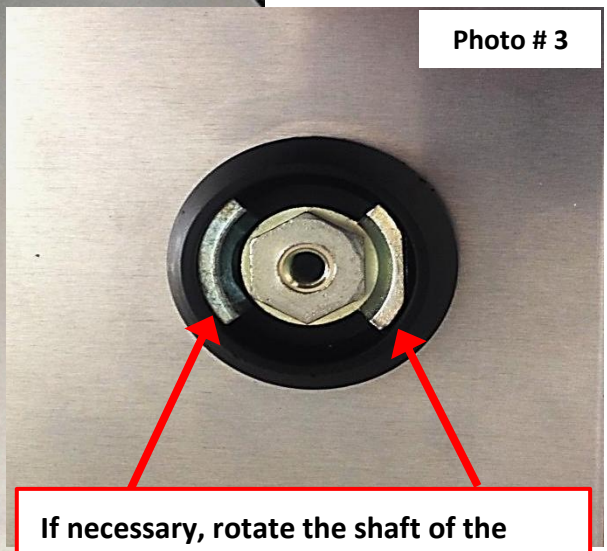
Photo # 2

Insert the latch mechanism shaft into the large hole in the outside of the panel. Align the “peg” to the small hole in the panel and push into place



Note: the side of the door with the large and small hole is considered the "outside".

Photo # 3

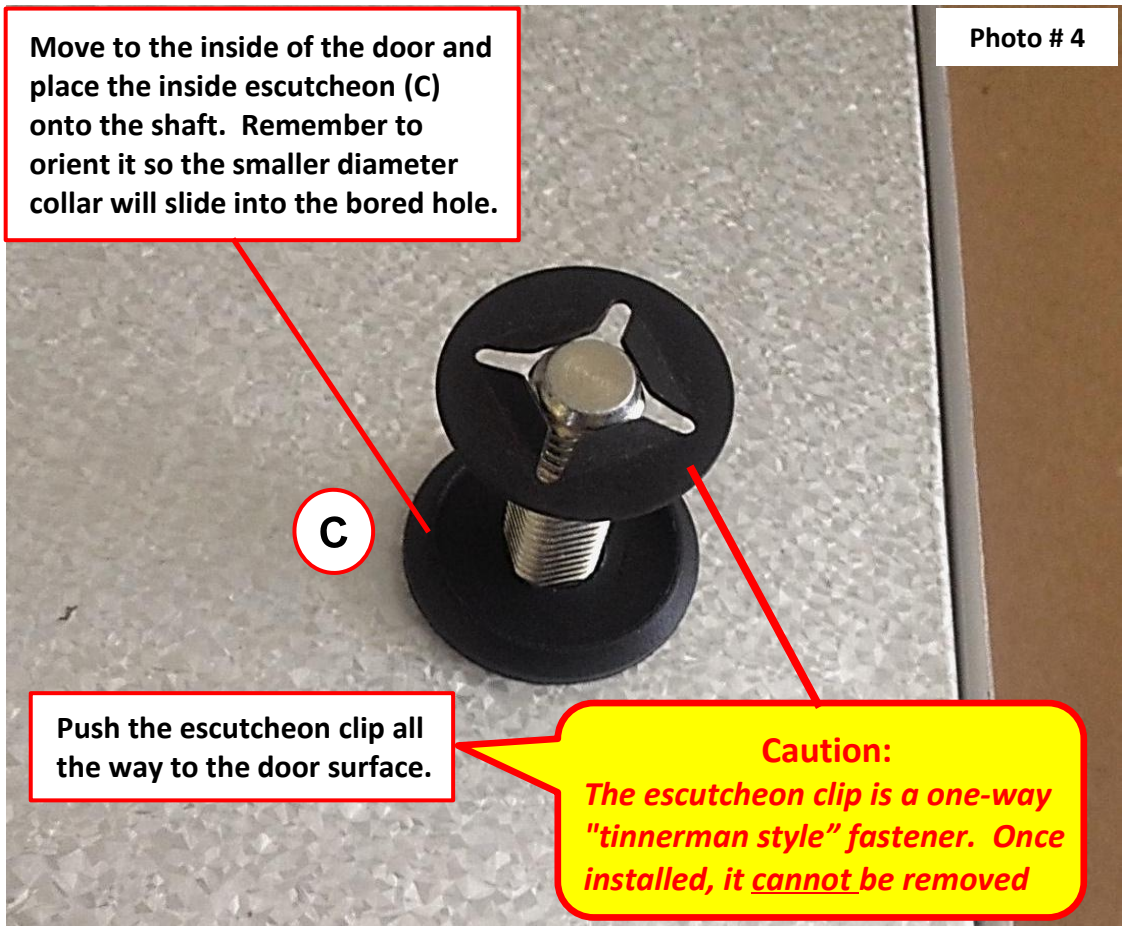


If necessary, rotate the shaft of the latch mechanism so the inner two cams are on opposite sides of the hex nut.

Allegis Outswing Latch Installation

Photo # 4

Move to the inside of the door and place the inside escutcheon (C) onto the shaft. Remember to orient it so the smaller diameter collar will slide into the bored hole.

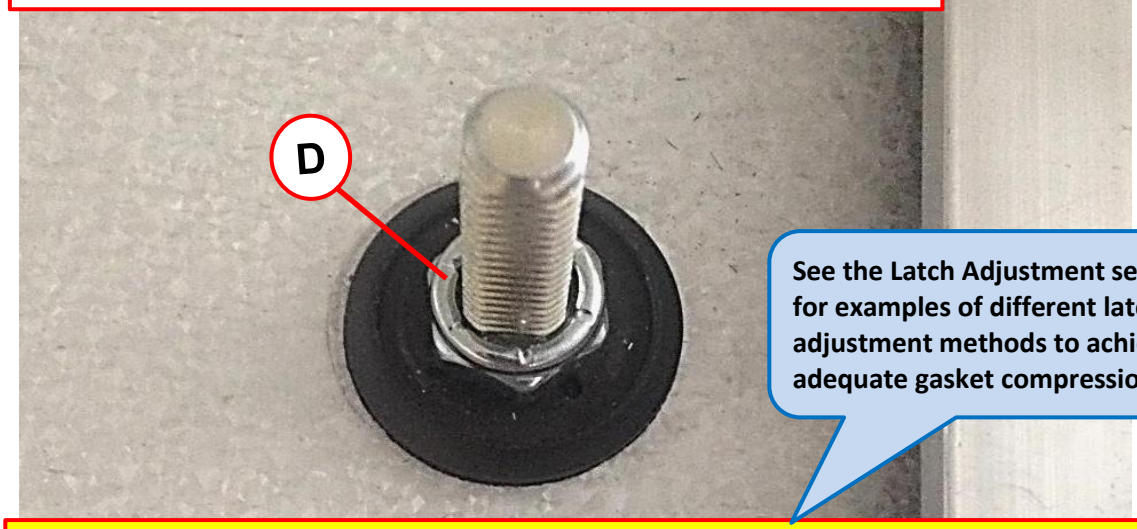


Push the escutcheon clip all the way to the door surface.

Caution:
The escutcheon clip is a one-way "tinnerman style" fastener. Once installed, it cannot be removed

Photo # 5

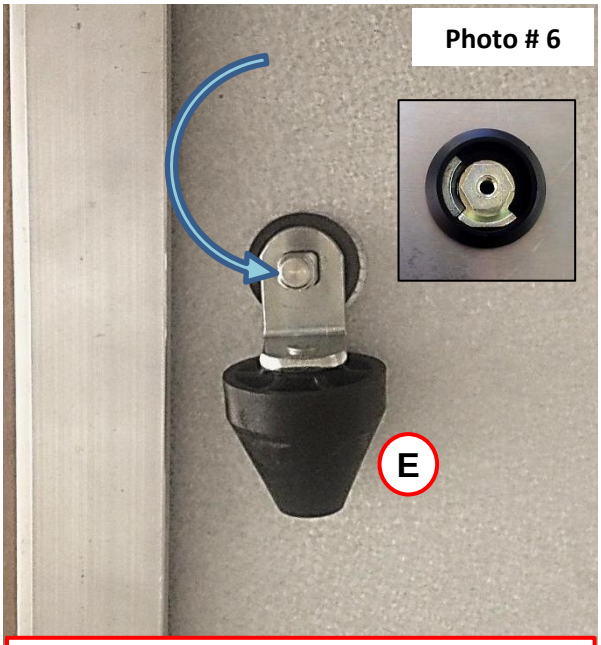
Using the locking nut (D) tighten until the escutcheon just begins to compress the door. ***Over tightening will impair proper functioning of the latch. Under tightening will cause the latch to wobble.***



See the Latch Adjustment section for examples of different latch adjustment methods to achieve adequate gasket compression.

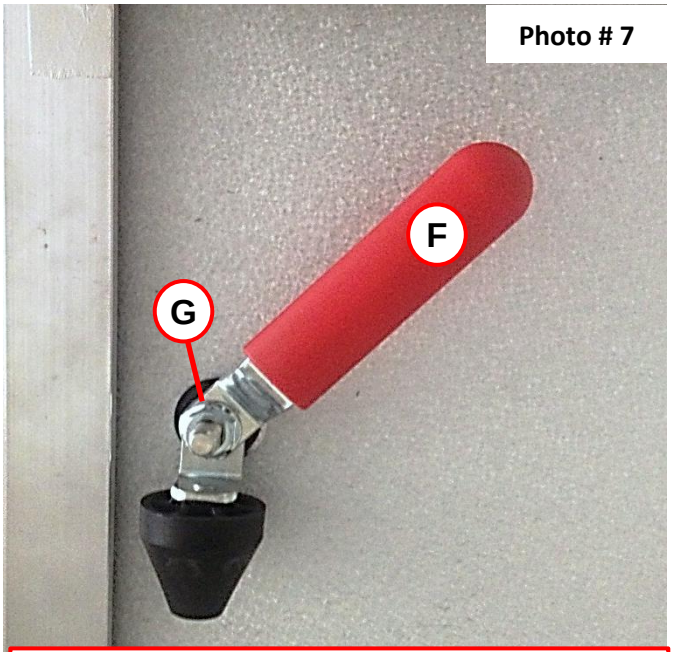
Note: The escutcheon must be set in place. The nut (D) is one method to secure the latch mechanism. However, the locking nut may have to be removed if it is too high for proper roller cam adjustment. Use 5/16" washers in place of the nut to increase compression on the gasket. Likewise, if there is too much compression, washers can be used in conjunction with the nut to decrease compression.

Allegis Outswing Latch Installation



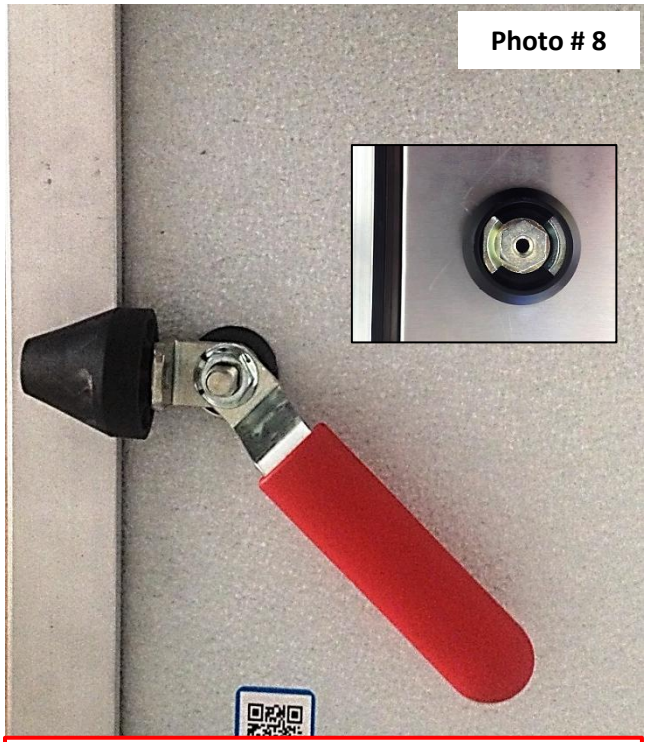
Rotate the Latch mechanism shaft 90° or until the cams on the outer side of panel are in the "open" position.

Then place the Roller Cam (E) and on the shaft parallel to the edge of the door and facing down, as shown.



Place the inside Handle (F) onto the shaft as shown. Thread the Flange Nut (G) onto the shaft and tighten.

Note: The orientation shown is for a "left hand reverse" handing. "Right hand reverse" handing placement would be a mirror image.



Move the Inside Handle down until the Roller Cam stops on the frame.

Ensure the inner cams return to the "open" position shown in photo #3.

Allegis Outswing Latch Installation



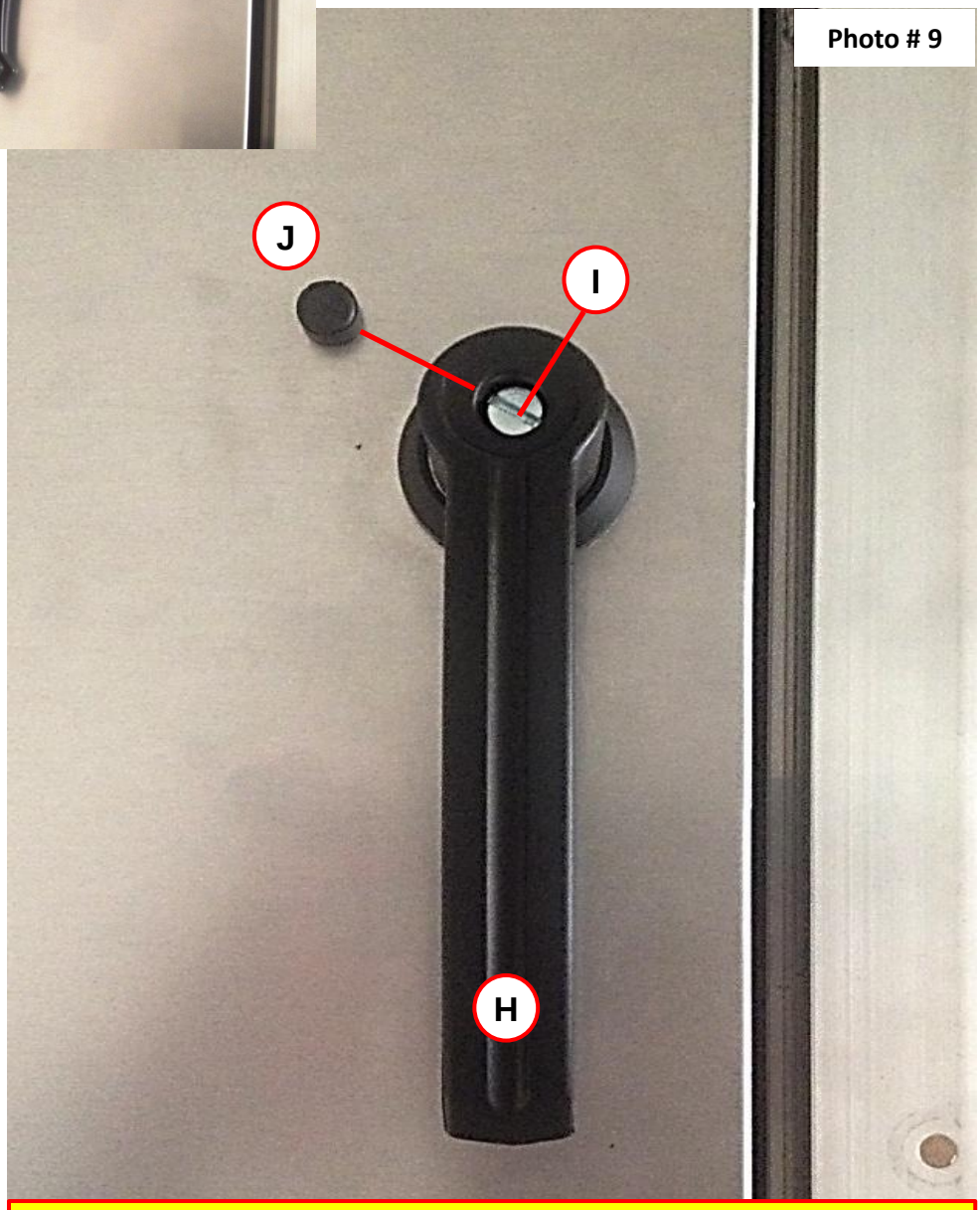
Move to the outside of the door.

Aligning the outside Door Handle (H) with the Inner Cams fit it into the Latch mechanism

Fasten the Door Handle tightly to the latch mechanism using the Machine Screw (I).

When you are satisfied the Door Handle is correctly oriented, and all other Latch adjustments are completed, install the plastic screw cover plug (J).

Photo # 9



<u>Note</u>:
The handle is typically installed to hang down in the closed position. It works as well in the up or sideway orientations. The appearance is really a matter of preference.

Inner Cam adjustments will be opposite from that shown if sideway handle orientation is desired.

Allegis Outswing Latch Installation

For Frames with Black EPDM Gasket

Proper Latch adjustment / Gasket compression is critical!

Photo # 10

With the Door Handle in the closed position, the panel surface should be flush, or slightly sub-flush with the frame surface

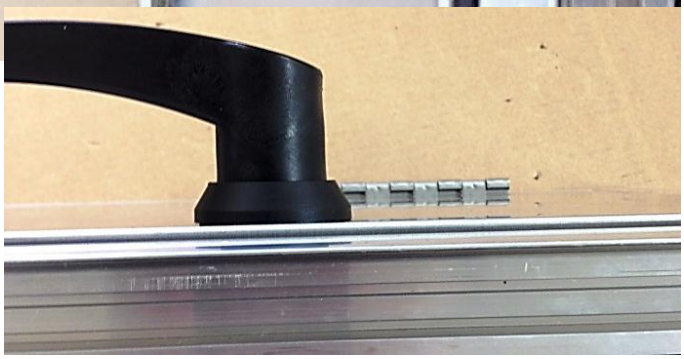


x

Photo #11 shows insufficient compression, Latch Adjustment needed

Photo # 11

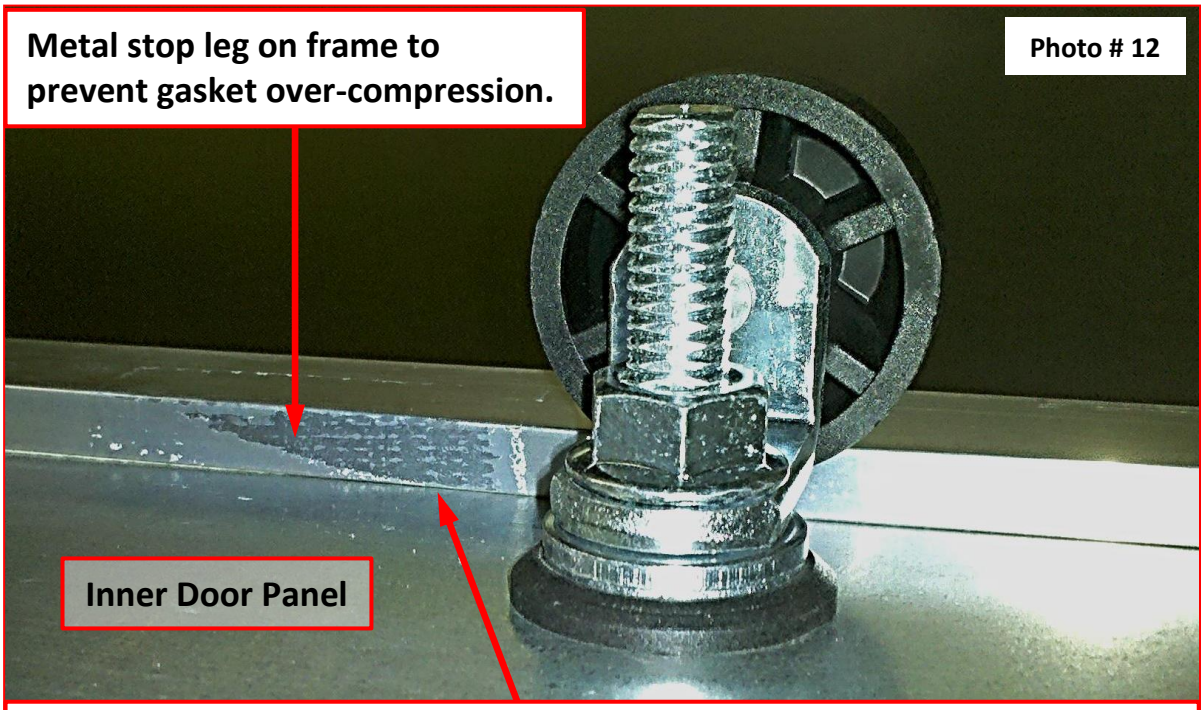




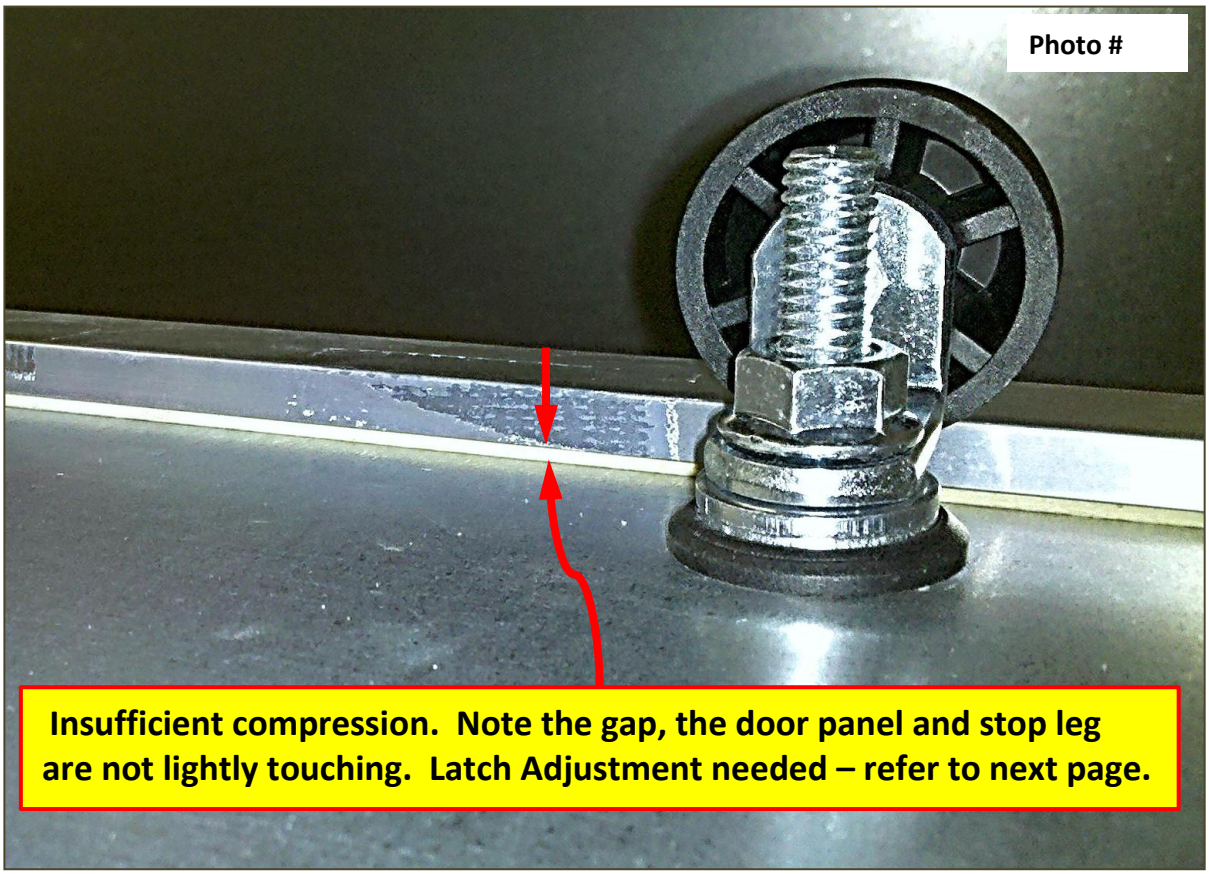
REF G-13, 11/26/2014 DLS

Allegis Outswing Latch Installation

For 4” Frames with White Santoprene Gasket

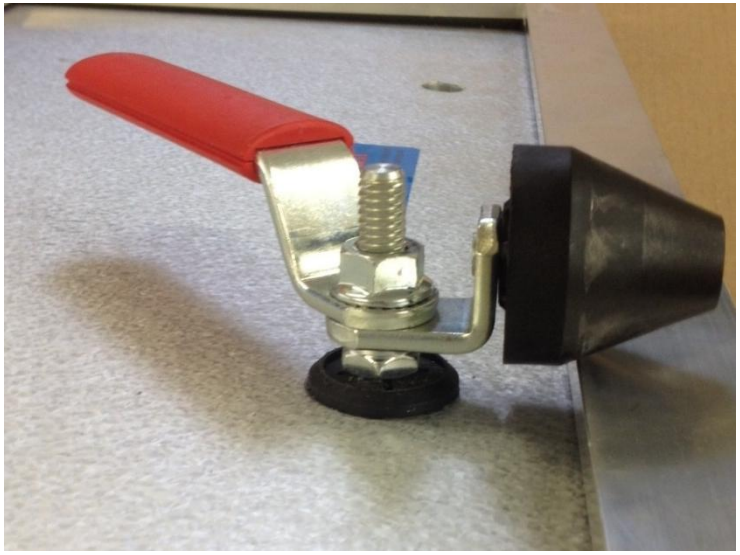


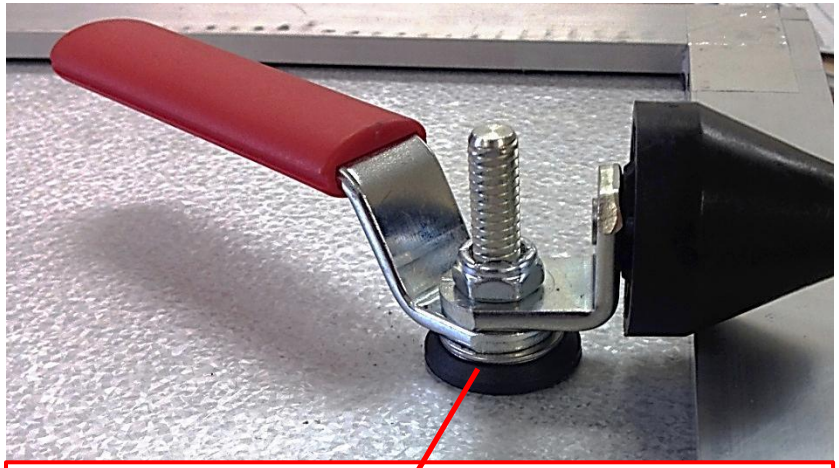
For proper adjustment, the cam of the latch must draw the door panel to "lightly touch" the stop leg. The door panel may flex slightly between latches, but it should touch the stop leg at every latch.



Allegis Outswing Latch Adjustment

If the Latch installation method described does not result in proper compression, the draw of the Roller Cam against the frame can be increased or decreased by making the adjustments described below.





To increase compression – replace the Locking Nut (D) with 5/16” flat washers to achieve the proper latch height adjustment. The Locking nut can be used to replace the Flange nut.



To decrease compression – add 5/16” flat washers above or below the Locking Nut (D) to achieve the proper latch height adjustment.