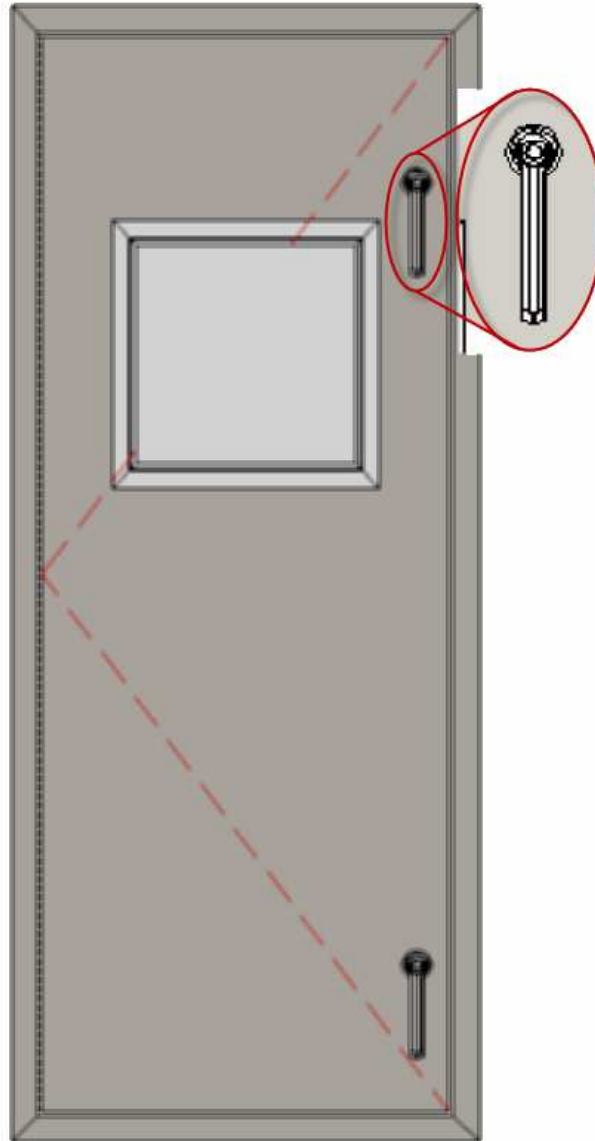


Negative Door Allegis Hardware Installation Manual



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The first step to install Allegis hardware is to verify that you have all the components for the installation. This installation is shown on a 2" Negative Door. Negative hardware installations on 4" or 1-3/4" positive doors are similar. See positive installation instructions for positive door hardware.

Parts for Installation –

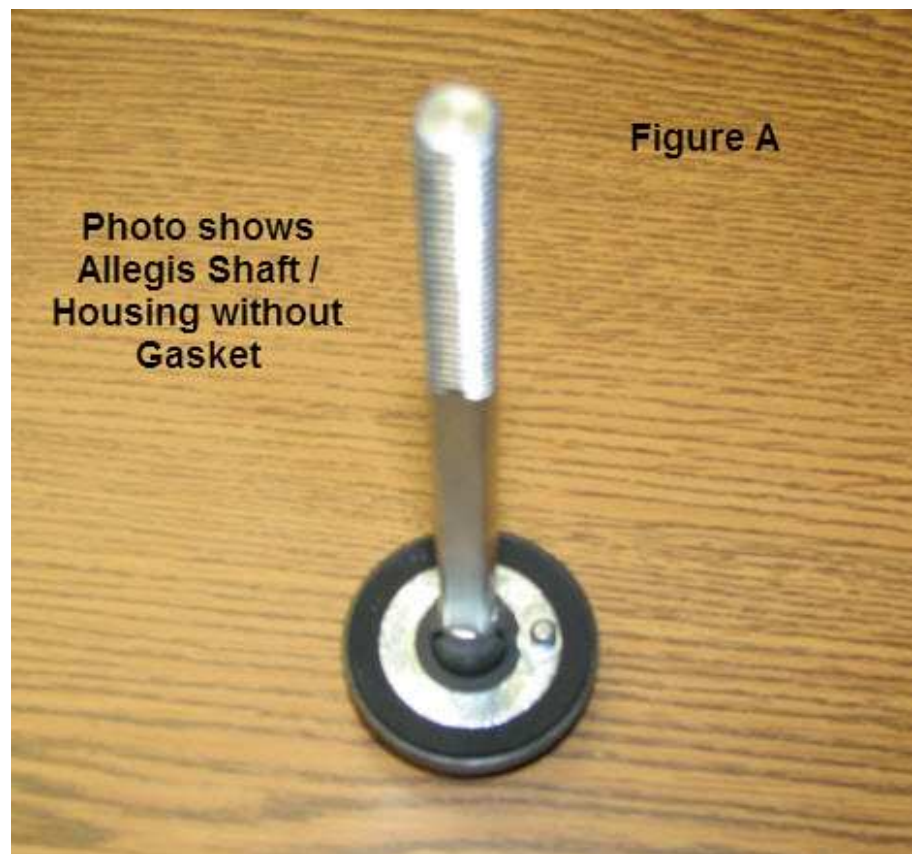


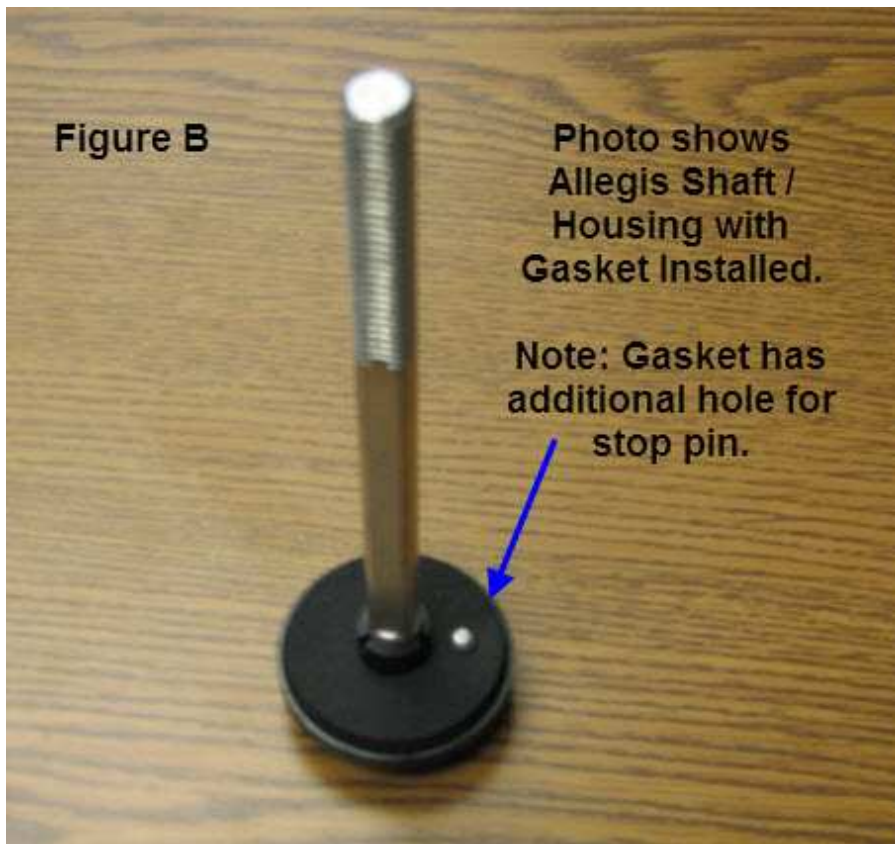
- 1) Handle Cap
- 2) Flat Head Handle Screw
- 3) Allegis Handle
- 4) Allegis Shaft / Housing
- 5) Collar
- 6) Nut
- 7) Roller Cam
- 8) Red Interior Handle
- 9) Nut W/ Nylon

Installation Tools –

- A) Wrench
- B) Flat Head Screw Driver

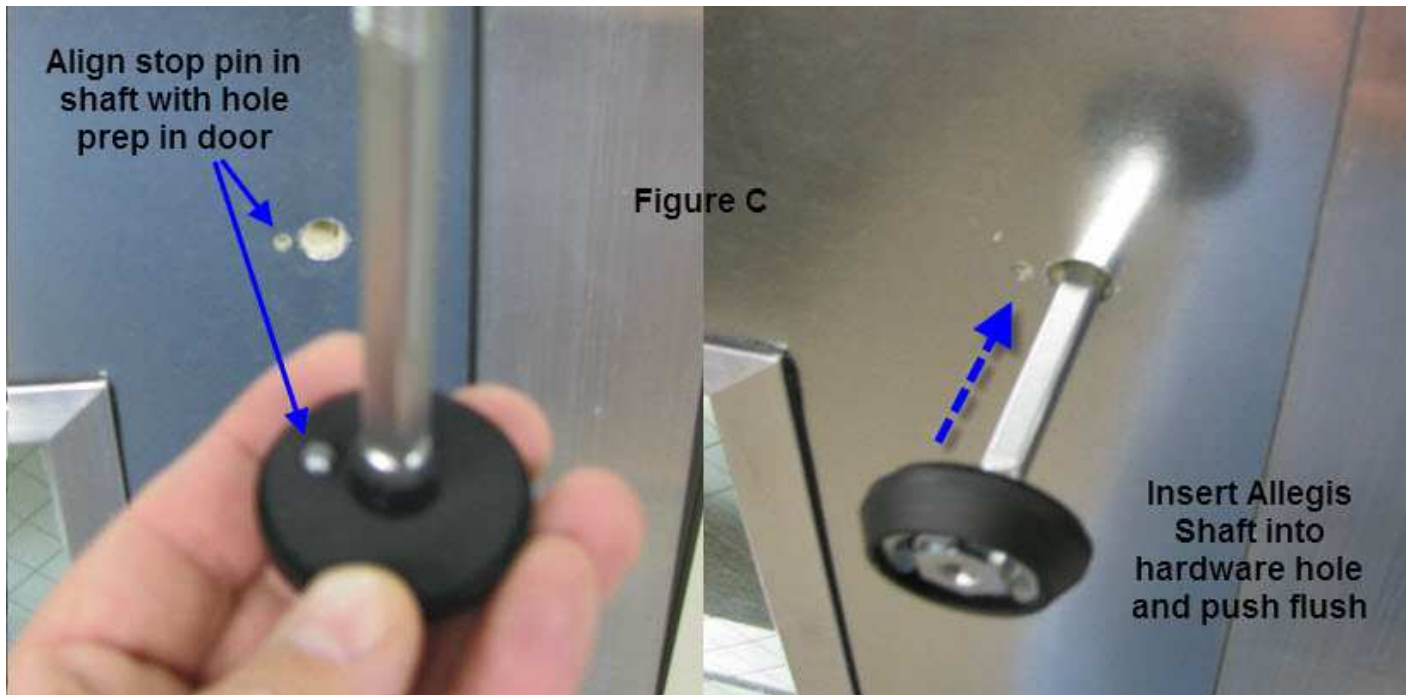
Note Figure A depicting Allegis shaft / housing without gasket installed.



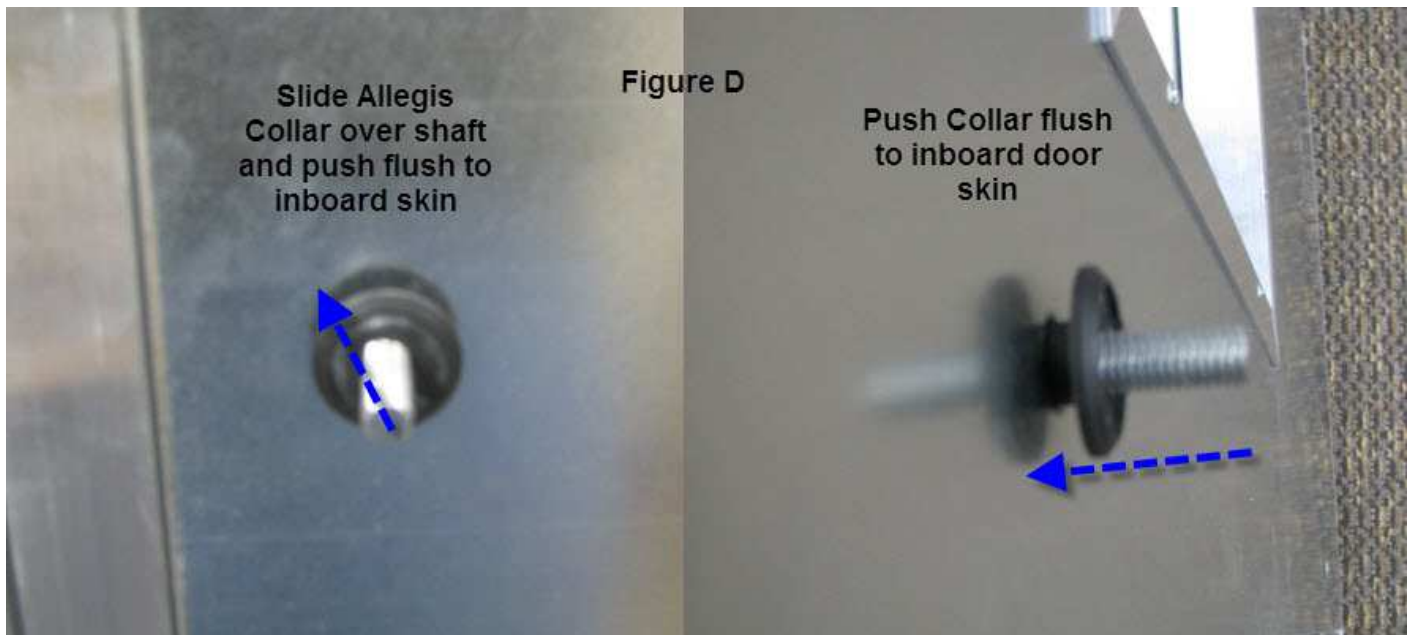


Note Figure B depicting Allegis shaft / housing with gasket installed.

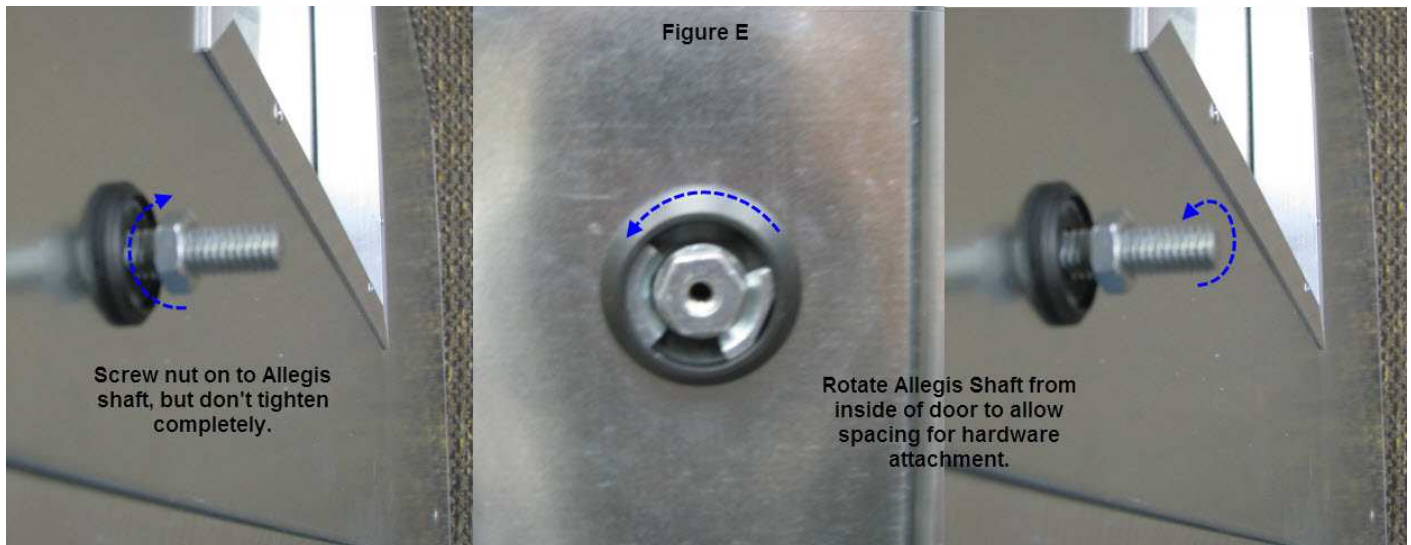
Note that gasket has additional hole for stop pin in housing. Slide gasket over shaft end and align gasket stop pin hole with stop pin in housing. Push gasket flush to housing face.



Clean and or brush any door shavings or debris from exterior door skin around hardware prep hole. Take Allegis shaft / housing with installed gasket and align stop pin to door prep (See Figure C above). Insert shaft / housing into exterior through hole on hardware prep and push shaft / housing flush to door skin.



Clean and or brush any door shavings or debris from interior door skin around hardware prep hole. Slide Allegis collar over shaft and push down shaft until collar slides into interior hardware prep hole. Push collar flush with interior door skin for proper hardware seal (See Figure D above).



Place nut on to Allegis shaft and tight on with fingers. Make sure not to use wrench yet as incorrect alignment and force may cross thread bolt and nut. Twist nut down but don't tighten completely yet (Figure E Left).

Use wrench on inside portion of Allegis shaft to give spacing to inner cams of Allegis housing (Figure E Middle and Right). Rotate inside door shaft until internal cams are at 180° or across from each other. This allows for proper handle insertion and attachment clearance.



Figure F

Take Allegis handle and place on Allegis housing (Figure F – left). Take assembly screw, flat head screw driver and anchor handle assembly.

There is a balance to tightening the nuts for final hardware usage and proper door performance. Tighten nut until shaft assembly and collar start to compress the door (Figure G). Over tightening at this point will / can cause permanent deformation of the door skins. Not enough pressure might cause the handles to wobble or jiggle.

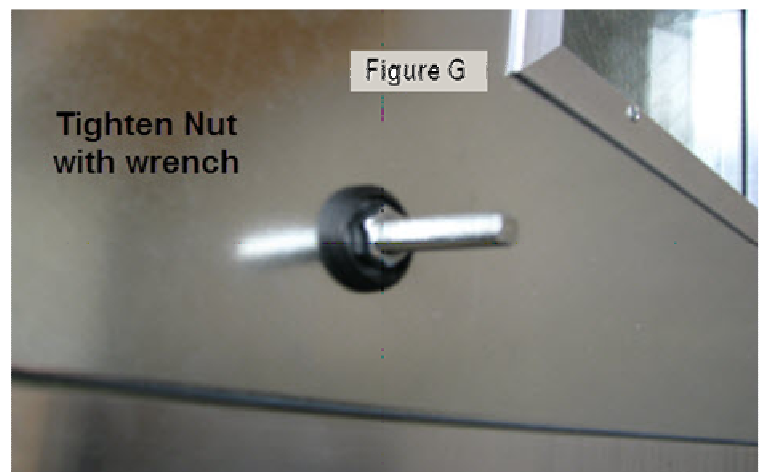


Figure G

Tighten Nut
with wrench



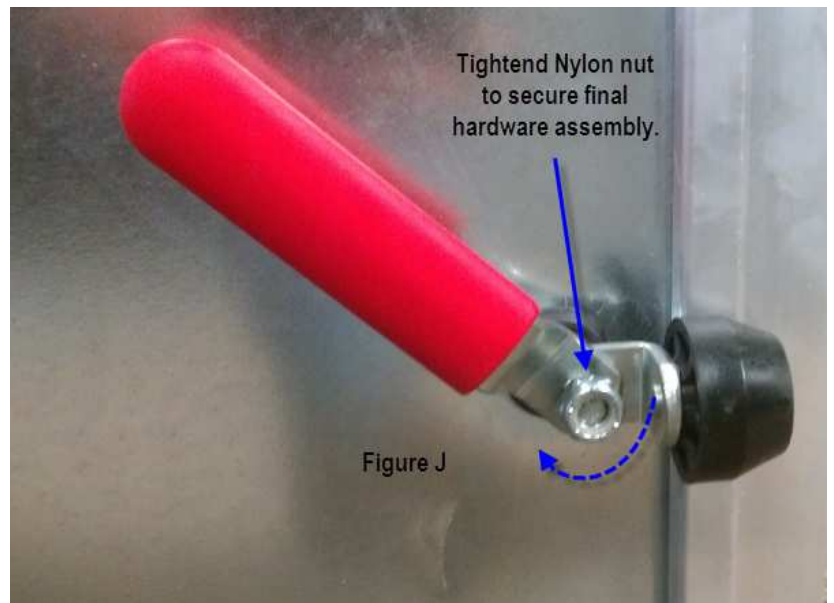
Figure H

Slide Allegis Cam Roller onto shaft (Figure H). Double check to see that cam is in the locked position and that handle is orientated up or down as desired.



All WinTech doors are provided with interior red handles. Slide red handle over Allegis shaft and push the red handle flush against Allegis Roller Cam (Figure I).

Attach nut with nylon insert on to Allegis Shaft. Hand tighten nut to prevent cross threading and then tighten down with wrench (Figure J).





Take plastic cap and insert into screw hole in Allegis Handle. Tap gently on cap to fit into existing handle hole. This cap is a tamper proof cap that prevents the handle to be unscrewed and the external handle to be removed. By inserting this cap it prevents unwanted access through doors and air handler room. Please note that once cap has been inserted into handle, it is almost impossible to remove without damaging cap.