



# GAALLP2320

## INSTALLATION

### 1. Packaging

The boxing opens lengthwise. Carefully cut taping and remove the Locking Ladder Pull from the boxing. The maximum number of Pull sets per box is (2). **RETAIN ALL FASTENERS REMOVED FOR INSTALLATION OF LOCKING LADDER PULL ON DOOR PANEL.**

1) Remove a complete Pull set from the boxing and back out set screws at 1" diameter posts and 1 ½" thumbturn post.

2) The interior thumbturn pull and exterior cylinder pull can be separated at this time.

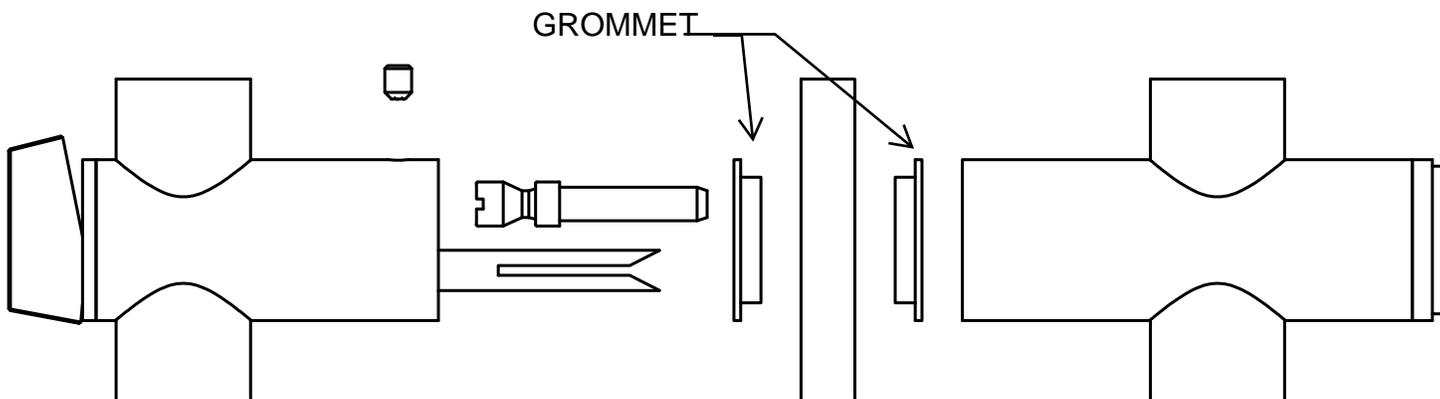
3) Using a flat head screwdriver remove the conehead machine screw on each mounting post. **RETAIN ALL FASTENERS (WASHERS AND BUSHINGS) REMOVED FOR INSTALLATION OF LOCKING LADDER PULL ON DOOR PANEL.**



## 2. Exterior Pull Installation

Confirm location of mounting holes on door panel.

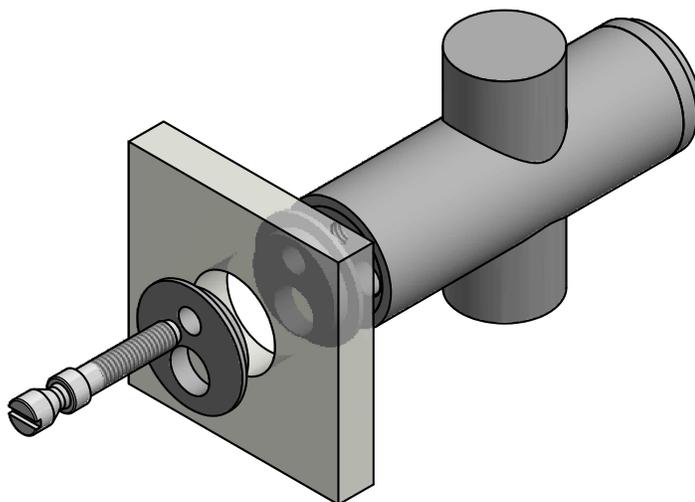
The door panel at the cylinder/thumbturn housing is protected by a plastic grommet on the interior and exterior.



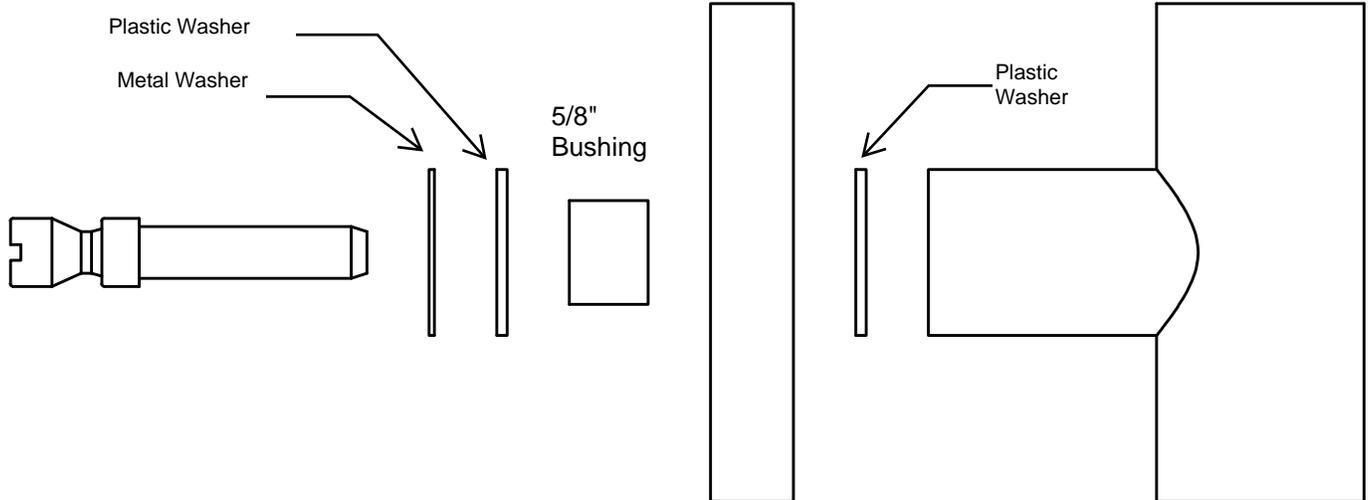
The 1 1/2" diameter cylinder post is connected with a standard 5/16-18 conehead machine screw and set screw.

1) Place 1-1/2" plastic washer in 1-3/16" dia hole exterior side of glass and align exterior cylinder housing with washer.

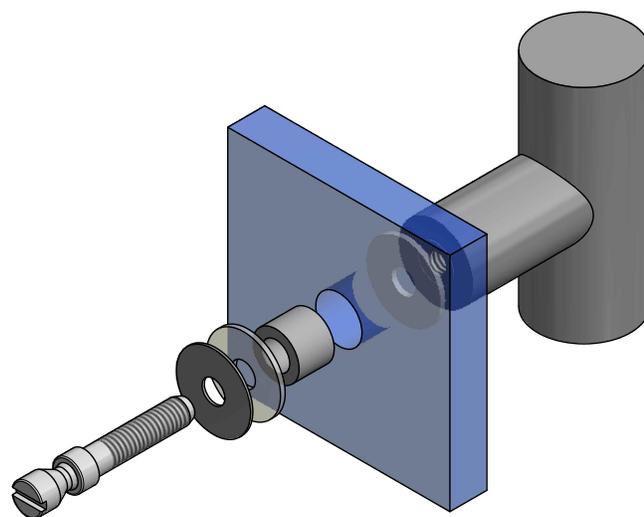
2) Place 1-1/2" plastic washer in 1-3/16" dia hole interior side of glass, align and thread 2" x 5/16-18 conehead bolt through glass panel.



The 1" diameter post is connected with a standard 5/16-18 conehead machine screw with protective bushing in 5/8" diameter hole and plastic washers at interior and exterior of door panel. A metal washer is placed against the shoulder of the conehead bolt. With the exterior pull supported in place thread the conehead bolts into the exterior pull.

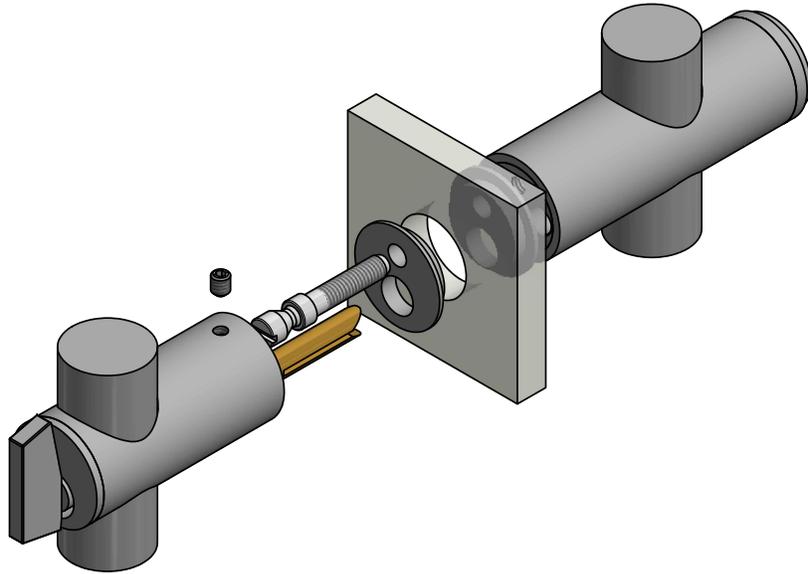


3) Place 1" dia clear plastic washer between exterior post and glass and pass 2" x 5/16-18 conehead bolt threading into exterior post. The 5/8" bushing protects the glass from the edge of the conehead bolt. A plastic washer and metal washer should be underneath the shoulder of the conehead bolt with the plastic washer facing the glass.

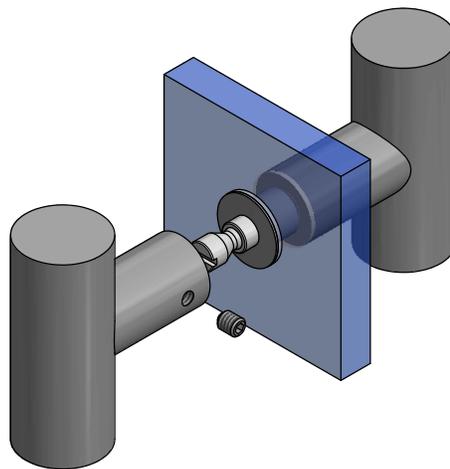


### 3. Interior Thumbturn Pull Installation

1) With Thumbturn in the "Open" position, pass the interior handle with thumbturn over the previously installed conehead. At the same time, align and pass the interior handle 1" post over the corresponding conehead bolt. The "Duck bill" shaft will engage the rim cylinder tail piece when the handle flushes up with the face of the door panel.



2) With the interior "Thumbturn" handle flush against the door surface tighten set screws on both the thumbturn housing and interior 1" post to secure handle on door panel.



#### 4. Cleaning and Maintenance

**Stainless Steel:** The best way to remove mild corrosion is with chrome cleaner. Apply and polish to restore finish. On brushed finishes you can use a Scotch-Brite pad to clean stainless. Always brush with a Scotch-Brite pad in the same direction of the grain pattern of the brushed finish. A car wax can also be used to maintain the finish.

Clean only with mild soap and water. Glass safe cleaners should be safe for stainless steel.

Never use sand paper or steel wool. Never clean with mineral acid or bleach. Never leave stainless in contact with iron, steel or other metals which can lead to rust and corrosion.

**Brass and Bronze:** Brass and bronze must be maintained. The natural state of these metals is an uneven dark oxidation. Unlacquered polished brass can be polished with brass metal polish (Brasso) and should only be polished in the direction of the polished grain pattern. Brushed brass can be maintained in the same way and with Scotch-Brite pads, again only in the direction of the grain pattern.

Lacquered finishes will require maintenance from one of the outside finish contractors that maintain commercial finishes in the field.

**Oil Rubbed Finish:** These should be maintained by a professional brass/bronze finish company in the field.