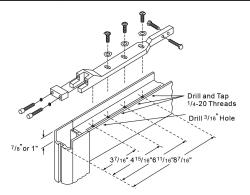


END LOADING



TOP DOOR RAIL

"A" Type End Loading Arm

Make a 1 "deep cut-out in hinge edge of door as shown.

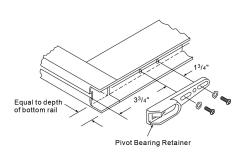
"PT" Type End Loading Arm

Make a 7/8" deep cut-out in hinge edge door as shown.

Drill or drill and tap holes in top of door as shown.

Position arm in door by placing arm pin in 3 /16° hold. Install arm using three 1 /4- 2 0 × 5 /5° pan head machine screws and lock washers. Center arm in the top rail by adjusting the two 1 /4- 2 0 × 1° hex head centering bolts.

NOTE: After door is installed, the two 1/4-20 ×1" socket head clamp bar cap screws with lock washers must be tightened securely.



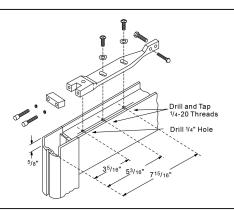
BOTTOM DOOR RAIL

End Loading

Make cut out in hinge edge of door equal to depth of bottom rail as shown. Drill and tap $^{1/4-20}$ holes in bottom rail of door as shown. Install pivot bearing retainer in bottom of door using two $^{1/4-20}$ \times $^{5/8}$ pan head machine screws and lock washers.

Laterally adjust center of pivot bearing retainer 25/8" (or 211/16") from hinge edge of door (not including weatherstripping) and tighten screws securely.

NOTE: For doors with 1" bottom rail depth, pivot bearing stud must be shortened by sawing off at score 1/2" from bottom.



TOP DOOR RAIL

"K" Type End Loading Arm

Make a $^5/8$ " deep cut-out in hinge edge of door as shown.

Drill or drill and tap holes in top of door as shown.

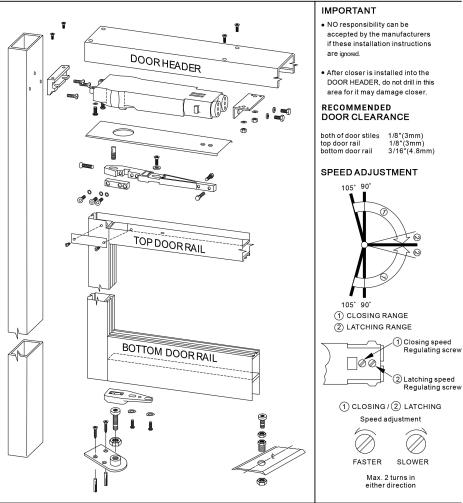
Position arm in door by placing arm pin in 1/4" hole. Install arm by using two 1/4-20 $\times 5/8$ " pan head machine screws and lock washers. Center arm in the top rail by adjusting the two 1/4 $\times 20$ XI" hex head centering bolts.

NOTE: After door is installed, the two $1/4-20 \times 1^{\circ}$ socket head clamp bar cap screws with lock washers must be tightened securely.



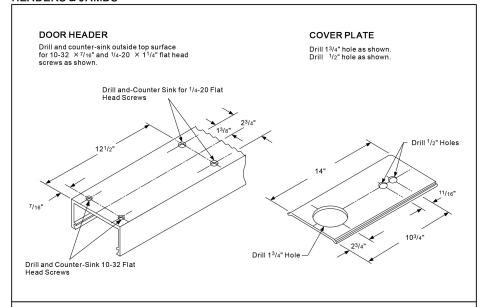
Installation Instructions for All FHC Concealed Overhead Door Closers

- ♦ CENTER-HUNG FOR DOUBLE OR SINGLE ACTION DOORS
- ♦ SIDE LOADING AND END LOADING INSTALLATION
- ♦ DUAL VALVES FOR LATCHING AND CLOSING SPEED ADJUSTMENT



The Glazing Supply Company EXPERIENCE AND INNOVATION

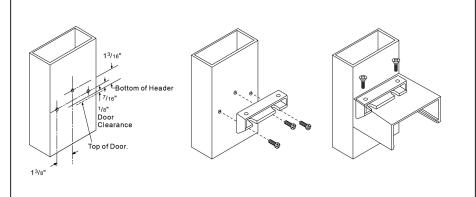
HEADERS & JAMBS



HINGE JAMB

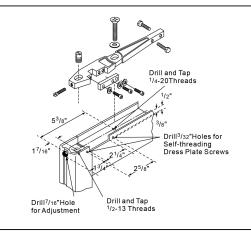
Drill holes for #10 pan head self-threading screws as shown Install mounting clip using #10 ×9/16" pan head self-threading screws.

Mount door header on mounting clip using 10-32 ×7/16" flat head self-tapping screws.





SIDE LOADING



TOP DOOR RAIL

"S" Type Side Loading Arm Drill or drill and tap holes in top of door as shown

Make $2^{1}/4$ " $\times^{1}/2$ " cut-out in top of door as shown. Cut-out must be on the inside of the door

Install arm using 1/4-20 × 11/4" flat head machine screw and 7/8" washer. Install $1/2-13 \times 3/4$ " arm stud and $1/4-20 \times 11/8$ " dome head arm adjustment screw. Laterally adjust center of the arm spindle retainer 25/8" from hinge edge of door (not including weatherstripping). Center arm in the top rail by adjusting the two 1/4-20 ×1" hex head centering bolts.

After installation of door, attach dress plate with self-threading screws.

NOTE: Before attaching dress plate, make certain the three 1/4-20 ×7/8" socket head clamp bar screws with lock washers are tightened securely.

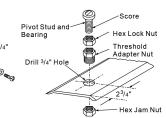
BOTTOM DOOR RAIL

Side Loading

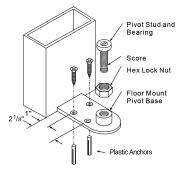
Drill and tap 1/4-20 holes in bottom rail of door as shown. Install pivot bearing retainer in bottom of door using two 1/4-20 × 5/8" pan head machine screws and lock

Laterally adjust center of pivot bearing retainer 25/8" from hinge edge of door (not including weatherstripping) and tighten screws securely.





THRESHOLD MOUNT PIVOT



Pivot Bearing Retainer

FLOOR MOUNT PIVOT

Canter pivot base against door jamb on hinge side. Mark and drill 1/4" holes 11/2" deep in floor for plastic anchors.

Mount base using #12 × 11/4" plastic anchors and #12 ×I1/4" flat head wood screws.

Install pivot stud and bearing with 1/2-20 hex lock nut as shown, and adjust bearing height for proper door clearance and firmly tighten lock nut.

When using threshold, drill 11/4" hole for clearance of pivot base on center line 23/4" from hinge end of threshold.

NOTE: When threshold is not used, pivot bearing stud must be shortened by sawing off at score 1/2" from bottom.

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