

Panic and Trim Jig

This installation jig allows the user to quickly and accurately install a Von Duprin 22 panic bar and outside TP trim without the use of a tape measure or paper template. (For use with strike plates 299 and 299F)

Parts included in kit

- Aluminum jig plate
- Stainless steel tracer guide
- Transfer punch
- 2 sheet metal screws

Instructions

1. Mark a centre line on the door at the prescribed height of 39-13/16" from the finished floor. (The only time a tape measure is needed.)
2. The jig must rest against the frame. If weather-stripping is present, remove a section to accommodate the jig's leading edge. (photo 1)
3. Place the flat side of the aluminum jig plate against the frame, with the V cut-out in line with the marked centre line. (photo 1) The jig is magnetic and will remain on the door.
4. Open the door and keep the jig firmly in position with your hand. With a pencil, mark the location of the two counter-bored screw holes. These will be used to secure the jig to the door with the supplied sheet metal screws.
5. Remove the jig and drill the two holes. Install the jig with the supplied screws. (photo 2)

As an alternative, clamp the aluminum jig to the door with a soft-jawed trigger clamp and use the self-tapping screws to secure the jig without first drilling the pilot holes. Warning: This method may damage the integrity of the aluminum plate.

6. To install an EO (Exit Only) panic bar:

- a. *To attach using the manufacturer's screws*, leave the jig in place and use the supplied transfer punch to mark the four perimeter holes. Remove the jig. Drill and tap the holes to the correct size. Secure the bar with the 10/24 machine screws supplied by the manufacturer. (photo 3)

- b. *To attach using sex bolts through the door fasteners*, leave the jig in place and centre punch each of the four perimeter holes with the supplied transfer punch. Drill all the way through the door with a ¼" drill bit, making sure to keep the drill as straight as possible. Remove the jig and drill the outside holes to the correct size required for #425 sex bolts. Install the bar as per manufacturer's instructions.

7. To install a panic bar with TP function outside trim: Use the aluminum drill jig set up as above.

- a. Drill through all five of the holes with a ¼" drill bit. *The only hole that needs to be drilled all the way through the door to the outside is the centre hole.* This must be drilled as straight as possible.
- b. Insert the transfer punch all the way through the centre hole to the outside. (photo 4) Slide the supplied stainless steel tracer guide onto the transfer punch through its centre hole. *NOTE: Make sure the four widely spaced holes are at the top, and the four tightly spaced holes are at the bottom. See location sticker on the guide **Do not position upside down!*** (photo 5)
- c. Make sure the guide runs parallel with the door edge. Putting pressure on the guide so it does not slip, use a pencil to outline the entire perimeter of the guide. Mark the top two and bottom two holes. (photo 5)
- d. Remove the guide and centre punch these four holes. Use a 3/4" hole saw to drill all four **through the outside of the door skin only.** (photo 6)
- e. Using a die grinder with a metal cutting disc or a metal nibbler tool, cut through the door skin following the pencil lines to the outside of each hole. *(Make sure to wear appropriate safety gear: face shield, gloves and leather clothing protection.)*
- f. Remove steel and deburr the opening.
- g. Use a 7/8" hole-saw to enlarge the original centre hole on the inside of the door to accommodate the latch retractor tailpiece. (photo 7)
- h. Install trim and panic bar as per manufacturer's instructions.

Recommended Addition

The Trim-Form internal door stiffener (sold separately by Doorgadgets.com) adds to the overall strength and integrity of the door and hardware. (photos 8 & 9)



Photo 1



Photo 2



Photo 3



Photo 4

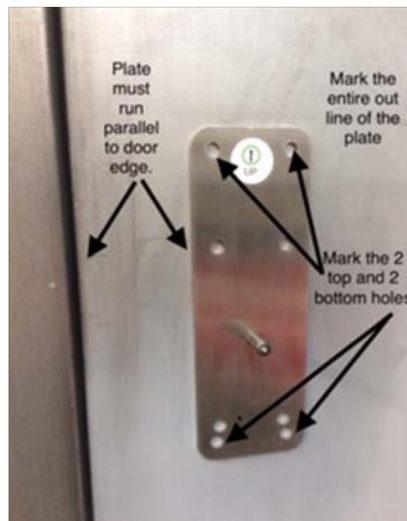


Photo 5



Photo 6

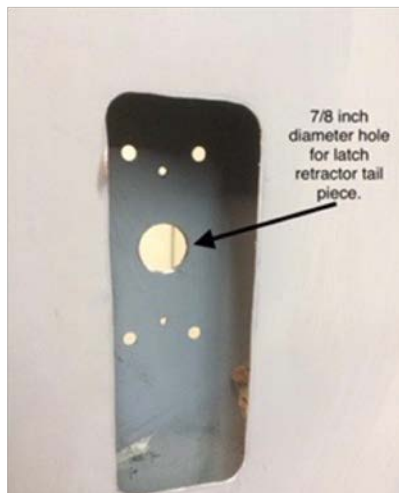


Photo 7



Photo 8



Photo 9