



FM-1111 Installation Instructions

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The Universal Screw Pack contains sheet metal, machine, and self-drilling Tek screws. This allows three different installation options. If mounting a wood or unreinforced hollow metal door, follow option (A) in the instructions. Follow option (B) if the door is reinforced or at least 1/8" thick. If you use the self-drilling Tek screws (recommended for grout-filled frames), follow option (C). If the grout is hard, drilling a pilot hole can help.

- Perform each step of these instructions unless specifically labeled (A), (B), and (C).

- (1) Place hinge on frame as shown in Figure 1 on the other side of these instructions.
 - Be sure the hinge is properly aligned, with the locating tab pressed firmly against the door jamb.
 - Allow 1/8" between top of hinge and underside of header.
- (2) Mark all the hole locations on the door jamb with the hinge held firmly in place.
- (3) Center punch each hole. The use of the Markar MT-806 center punch can help center the hole so that the fasteners will enter straight. The taper on the tool sits in the countersunk hole on the hinge.
- (4) (A)&(B) Drill all the holes using a #25 bit.
- (5) (B) Tap the holes for a 10-24 thread.

- (6) Place the hinge on the edge of the door. Align the locating tab against the inside face of the door as shown in Figure 1 on the back of these instructions, and carefully line up the hinge with the top edge of the door.

- (7) Mark all the hole locations on the door with the hinge held firmly in place.

- (8) Center punch each hole.

- (9) (A)&(B) Drill all the holes using a #25 bit.

- (10) (A) Attach the hinge to the door with #10 x 1 1/4" flat head undercut sheet metal screws. OR

- (10) (B) Tap the holes for a 10-24 thread. Attach the hinge to the door with 10-24 x 3/4" flat head undercut machine screws. OR

- (10) (C) Attach the hinge to the door with #10 x 1/2" flat head undercut self-drilling Tek screws.

- (11) Attach the hinge to the frame (A) using 10 x 1 1/4" flat head undercut sheet metal screws. OR

- (11) (B) using 10-24 x 3/4" flat head undercut machine screws. OR

- (11) (C) using self-drilling Tek screws.

- (12) Close the door and check for proper alignment.

- If the door requires adjustment for proper fit, make this adjustment by loosening screws on the frame leaf and shimming where needed.
- Follow instructions on the hinge box for field cut-down.