

Door Hardware Installation Instructions

Handleset-Double Cylinder Version

Carefully unpackage all components and place them within easy reach. Find **Figure #1A** and **Figure #1B** (exploded drawings with parts listing) at the back of these instructions. **Figure #1A** is for a longplate style interior, and **Figure #1B** is for a rosette (round) style interior. Use Part #19 to determine which of these two figures is appropriate for your installation and discard the other to avoid confusion. Place the appropriate **Figure #1** for your installation beside the components for easy reference. For the balance of these instructions, we will only refer to this exploded drawing as **Figure #1**.

You will need a #2 Phillips screwdriver for installation of your new doorsets. If the door is not pre-drilled, you will also need a 2-1/8" hole saw, a 7/64" drill bit, 7/32" drill bit, 5/16" drill bit, 7/8" drill bit, and 1" drill bit (spade or forstner style), a chisel, a pencil and an awl (or nail). If your door is pre-drilled start at Step 2.

Step 1 Door Preparation

- Find the **Entry Door Preparation Templates**. Determine if your door is beveled (see illustration on templates). If so, choose the appropriate Entry Door Preparation Template and fold along line **B** to match the illustration. If your door is not beveled, choose the appropriate Entry Door Preparation Template that will mount on the **outside** of your door and fold along line **B**.
- Carefully position the template on the **outside** of the door so that the line marked **A** is approximately 36"-38" from the floor, depending on preference of doorknob height. Make sure that the corner of the door is lined up with the fold (line **B**) and tape the template to the door. **IMPORTANT**—If your door is prepped with a 2-1/8" hole for the doorknob, match line **A** with the **center of the existing doorknob hole**.
- Determine if your "backset" is 2-3/8" or 2-3/4". If your door is prepped for a lock, the backset is the distance from the edge of the door to the center of the cross-bore hole (see **Figure #2**). If your door is not prepped, then find the handleset latch (**Figure #1**, Part #14). Measure the distance from the flange to the center of the star-shaped hub. The distance will be slightly under 2-3/8" or 2-3/4" to allow for adding a faceplate. See **Figure #2**. If your backset is **2-3/8"**, use line **C** on the template. If your backset is **2-3/4"**, use line **D**.

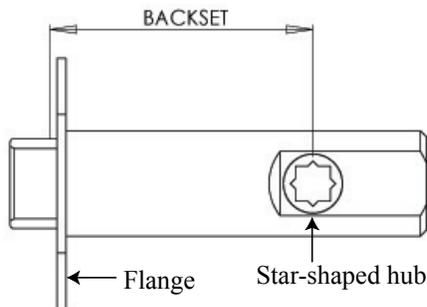


Figure #2

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- Using the awl (or a nail), mark the three intersecting points on the template as indicated below, making sure the door is clearly marked:

<u>2-3/8" Backset</u>	or	<u>2-3/4" Backset</u>
Where lines E & C cross		Where lines E & D cross
Where lines A & C cross		Where lines A & D cross
Where lines F & C cross		Where Lines F & D cross
- Measure the thickness of your door. Most exterior doors are 1-3/4", 2" or 2-1/4" thick. Once you have measured the thickness, mark the points on the edge of the door where lines **A** and **E** intersect with your appropriate door thickness line.
- With the template still on the door, close the door. Using a pencil, lightly mark on the door jamb where lines **A** and **E** meet the jamb. Find the **Door Jamb Template** and fold along line **BB**. Once the template has been folded, place it against the door jamb so that the folded edge matches up with where the edge of the door sits when closed. Match lines **AA** and **EE** to the marks you made from lines **A** and **E**. Once aligned, tape the Door Jamb Template to the door jamb. Find the four points where lines 1, 2, 3, & 4 cross the correct door thickness. Using the awl (or a nail), mark these four points on the jamb.
- Verify that all marks can be clearly seen on the door and door jamb and remove both templates.
- Using **Figure #3** and the marks made in Step 1D as a reference, drill the two 2-1/8" cross-bore holes using a hole saw. **IMPORTANT**—To avoid damaging the door, drill from one side until the pilot bit comes through the door. Then finish drilling from the other side, using the pilot hole as your guide. **IMPORTANT**—Always drill as straight or level as possible to ensure proper door preparation.
- Using **Figure #3** as reference and the marks made in Step 1E, drill the two 1" edge-bore holes. Make sure that you drill a full 3-7/8" deep for 2-3/8" backset, or 4-3/8" deep for a 2-3/4" backset, which will extend beyond the cross-bore holes.

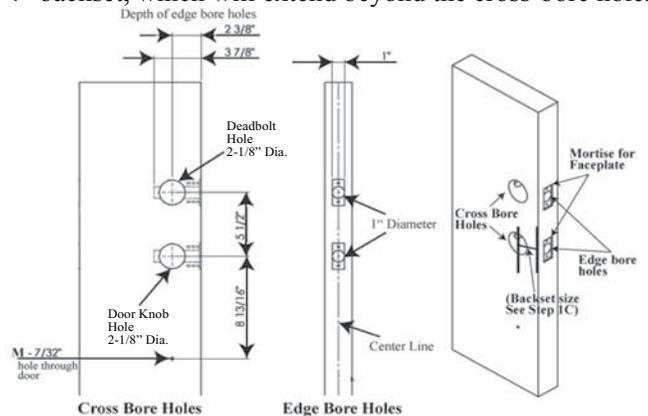


Figure #3