



**INSTRUCTIONS FOR CAT. NO. 79-352, 79-354, 79-355,  
79-356, 79-357 LOCKSET INSTALLATION KITS & CAT. NO. 79-351  
LOCKSET STARTER KIT**

**READ LOCKSET INSTRUCTIONS**

Your Installation Kit is designed to be used with all makes of locksets. Since all locksets have slight differences among them, it is very important to read the instructions supplied with your lockset to familiarize yourself with any special instructions.

**TOOLS REQUIRED:**

In addition to the special tools supplied with your Installation Kit you will need;

1. A 3/8" or larger electric drill
2. A hammer
3. A 1" wide or less wood chisel
4. A 3/32" drill bit
5. A screwdriver compatible with the type of screws supplied with your lockset.
6. If you have a catalog number 79-351 Starter Kit you will also need a holesaw, mandrel and a power bit of the appropriate size for wood doors. For metal clad doors high speed steel holesaws and mandrels will be required. Check lockset instructions for sizes.

**USE OF THE TEMPLATE:**

Use the template supplied with your lockset to mark the position of the lock on the door. Fold the template on the dotted line and attach it to the door about 36" from the floor. If you are installing an auxiliary lockset, position the template on the door as desired. With the template secured with tape, use the latch locator pin provided with your Installation Kit to mark the positions of the holes to be drilled. Gently tap the blunt end of the locator pin with a hammer to make a mark on the door. Remember to mark both the face and the edge of the door before removing the template. NOTE: The latch locator pin supplied with your Installation Kit is for use on wooden doors only. For metal clad doors, use a center-punch to mark hole positions.

**PILOT HOLES:**

Remove the template and drill the pilot holes in the appropriate places using the electric drill, the 3/16" bit and the drill guide provided with your Installation Kit. First, drill the face pilot hole in the door as follows:

1. Insert the 3/16" bit in the drill chuck and tighten firmly.
2. Place the drill guide over the drill bit as shown in figure 1.
3. Position the drill bit point at the location you marked for the door face pilot hole and slide the drill guide forward until the raised flat surfaces are flush with the door face.
4. Holding the drill guide firmly against the door, drill the pilot hole for the face hole.
5. If the drill bit will not completely penetrate the door with the drill guide in place, remove the guide and continue the hole without it, keeping the drill as straight as possible.

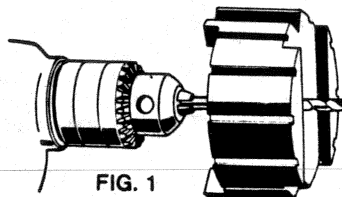


FIG. 1

After the door face pilot hole has been drilled, you are ready to drill the pilot hole for the edge of the door. Drill as follows:

1. Determine whether or not your door has a beveled edge. (Most outside doors are beveled.) To do this use a carpenter's square or measure the width of the door on the front and back. If the widths are different, you have a beveled door.

- 1A. If the door is beveled you will use the drill guide as shown in figure 2 with the arrow on the guide pointing in the direction that the door opens.

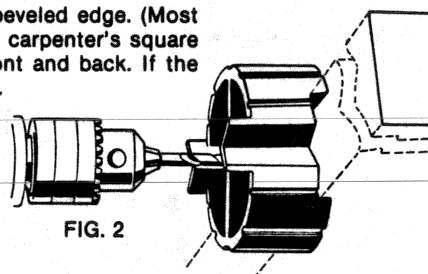
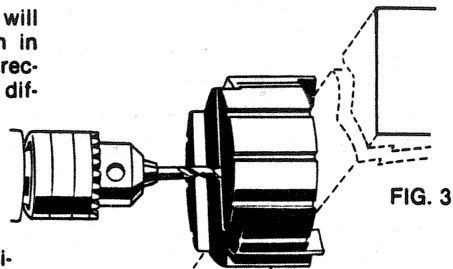
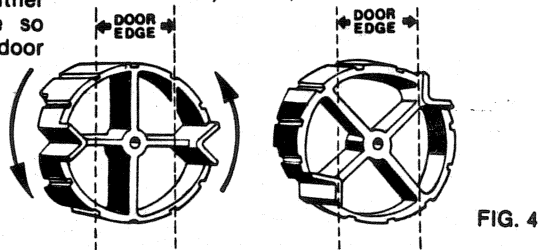


FIG. 2

- 1B. If the door is not beveled you will use the drill guide as shown in figure 3. In this position the direction of the arrow makes no difference.



2. After the drill guide has been positioned on the door edge, twist it either clockwise or counter-clockwise so that it is tight against the door as shown in figure 4.



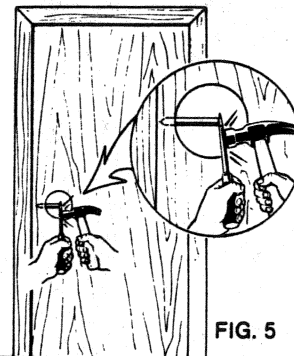
3. Holding the drill guide firmly against the door edge, drill the door edge pilot hole using the electric drill and the 3/16" drill bit.

#### DRILL THE FACE HOLE:

Assemble the holesaw and mandrel making sure that you tighten the mandrel nut firmly. Using the pilot hole you drilled in the face of the door as a guide, drill the face hole using the electric drill and the assembled holesaw and mandrel. It is very important to drill this hole as straight as possible. Check to see that you are holding the drill perpendicular to the door face. The holesaw will not penetrate the door from the first side drilled. When it bottoms out and will no longer drill, remove it and drill from the other side of the door until the two holes meet and you have a hole completely through the door.

#### MARK THE STRIKE HOLE:

Open the door and slide the latch locator pin into the door edge pilot hole, blunt end first. Close the door and press locator pin point into the door frame. Although thumb pressure is usually sufficient to mark the door frame, you may want to gently strike the locator pin with a hammer and screwdriver as shown in figure 5. Open the door and remove the locator pin.



#### DRILL THE EDGE HOLE:

Using the electric drill and the power bit supplied with your Installation Kit, drill the door edge hole following the pilot hole you drilled. Be especially careful to keep the drill level with the floor and parallel to the edges of the door. Drill the edge hole deep enough to penetrate the face hole.

#### DRILL THE STRIKE HOLE:

Using the power bit, again, drill the strike hole in the door frame where you marked it with the locator. You must drill this hole deep enough to accommodate the full throw of the lockset you are installing. (If the lockset has a 1" throw, this hole must be at least 1" deep.) Your lockset instructions will tell you how deep this hole should be.

#### MORTISING:

Insert the latch assembly into the door edge hole and trace, with a pencil, the position of the latch plate and its screws. When tracing, be sure to hold the plate so that its sides are parallel to the edges of the door. Remove the latch assembly from the edge of the door and drill the latch plate screw pilot holes using a 3/32" drill bit. Use a wood chisel to mortise out the wood on the edge of the door so that the latch plate will fit flush. Repeat this procedure for the strike plate in the door frame, and install your lockset.

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FORM NO. 740021

(MAY-79-FB)

PRINTED IN U.S.A.