

## Deadbolt Entry set Installation Instructions – Handle/Knob

After the face bores are cut and the Deadbolt and Passage Latch is installed in the door, now you are ready to install the 2-piece split spindle. Take the two-piece split Spindle and first tighten the Spindle in the center until hand tight. **IMPORTANT:** Now loosen the Spindle in the center by 1 to 1 ½ turns until the Spindle works freely in the center portion. Install this spindle through the latch from the exterior side making sure the stop pin on the spindle is against the latch. When installing the spindle make sure the interior side of the spindle is in the diamond position and the exterior side is in the square position in the latch. The exterior half of the Spindle is 8mm in size and must be installed in the square position. The interior half of the Spindle is 7.2mm and must be installed in the diamond position. This insures a tight fit between the latch and spindle. It also insures the set screws on the interior handle can be tightened at the 4:30 & 7:30 position.

Once the spindle has been installed, the exterior handle can be installed. Carefully align the exterior handle with the spindle and grip handle. Once it is against the door, the cylinder can be installed. Now you are ready to install the Cylinder with the Collar. Insert the Cylinder through the Collar supplied. With the Deadbolt Latch bolt extended in the lock position, carefully align this with the Cylinder hole in the exterior Plate. Torque Blade on the Cylinder should be in the vertical position when you install it through the Deadbolt Latch. **The core of the Cylinder (where the key is inserted) should be in the 6 o'clock position when installed.** Locate the Adapter Plate & Screws for the interior side of the door. The Torque Blade should be protruding through to the interior side of the door when installed. Depending on the thickness of your door, the Torque Blade may need cut slightly. Align the Adapter Plate on the interior side of the door then install with the two Screws supplied. The Torque Blade should be extending through the Adapter Plate to the interior side of the door. These The Screws go through the Adapter Plate, Deadbolt Latch then thread into the back of the Cylinder. **Depending on the thickness of the door, you may need to cut/break-away the Screws for the Cylinder. Be careful not to thread the Screws in too far which may cause an indentation in the Cylinder Face on the exterior side of the door if too long.** Before the Cylinder Screws are tight, check to insure the Knob hole on the exterior side of the door is aligned properly. Alignment of the exterior Plate on the door should also be checked. At this point, do not install the Wood Screws for the Exterior Plate. This will allow for final adjustments before screwed down.

Once the deadbolt is installed on the exterior side, it is time to install the interior side. When the interior plate is against the door, the door handle spindle will be through the plate. Be careful to align the deadbolt tailpiece/torque blade with the Turn piece on the interior plate. When the plate is against the door, the door handle spindle will be through the plate. If the interior plate will not go against the door, most likely the Torque Blade is too long and needs to be cut. **If the Turn piece in the interior Plate does not reach the Torque Blade, most likely the Torque Blade was cut too short or you have a thicker than normal door. At this point, measure the door thickness and contact your Dealer.** Place the nylon washer over the spindle and against the plate (see photo #1). At this point, do not install the plate screws on the interior plate.

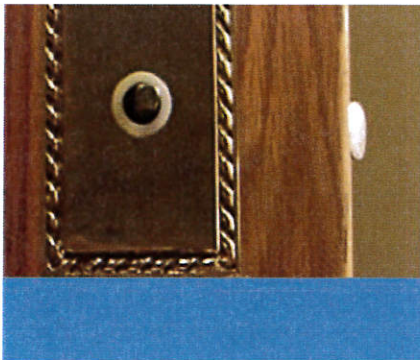


Photo #1

Now you are ready to install the interior handle. Make sure the set screws on the handle are loose enough not to interfere with the spindle going into the handle. Thread the interior handle or slide handle onto the spindle then tighten the set screws onto the spindle. It is good to thread or slide the handle against the plate snug then back the handle off into the correct position for the set screws. This helps align the handle, plate, etc. Correct position of the set screws is at the 4:30 & 7:30 position (see photo #2). This photo shows a wrench in one set screw for position reference. Tighten the set screws in the handle then test your new lock without closing the door. If operation is too tight, loosen set screws then back handle off/loosen slightly. After the successful tests, the exterior & interior plate screws can be installed tightly to hold the plates in place. It is recommended to check the alignment of the plates on the door and pre-drill the screw holes.

Screws in matching finish are provided with door set. Once the screws are installed, re-test your door set before closing the door. Now close the door and retest. If it does not work properly, check the alignment of the Strike plates on the door frame. An adjustment is sometimes needed here. With everything working properly, you are now ready to apply the Loctite to the Set Screws. It is recommended to remove and apply Loctite to one Set Screw at a time. Set Screws are located at the base of the Knob or Lever(see photo #2). After the Set Screw has been removed, apply Loctite to the end of the Set Screw then re-install tightly. After all Set Screws have been applied, re-test to make any final adjustments and before Loctite is dry and set. After Set Screws are tight and adjustments have been made, allow Loctite to dry. If OK, enjoy your new Door set!



Photo #2

### **Instructions to Adjustable Deadbolt:**

TO ADJUST THE BACKSET FROM 2-3/8" TO 2-3/4" (DOES NOT WORK FOR 2")

First you will need to locate the two slots stamped "2-3/8" " and "2-3/4" ". These are located on the side of the Deadbolt Latch. Gently twist the Latch then slide the tab on the Deadbolt Latch to the desired Backset slot required. Installation of the Deadbolt Latch can continue now.

Tools required for remodeling or new construction:

- 1 Phillips head screwdriver
- 1 2" hole saw
- 1 1" Wood Bit
- 1 Chisel
- 1 Hammer
- 1 Pencil
- 1 Tape Measure

**Tools required for replacement:**

- 1 Phillips head screwdriver