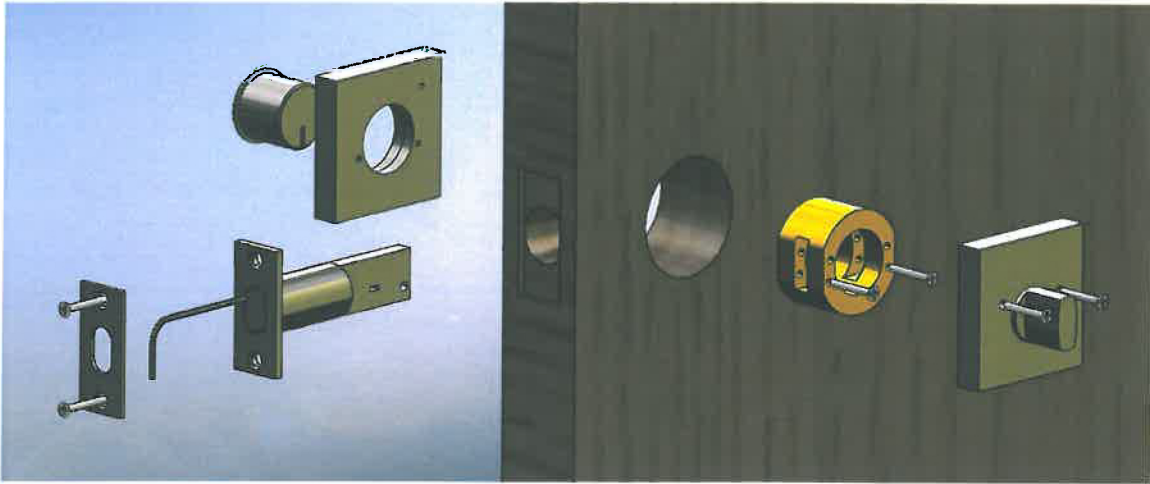


# AHI 4850 Deadbolt Installation Instructions



1. Check cut-outs and bore holes\* for correct size, position and backset.
2. Insert brass brace into bore. Insert deadbolt. **Do not screw in faceplate.**
3. Insert Allen key into face of deadbolt beside throw, and loosen cylinder setscrew until setscrew is clear of cylinder path. **Do not remove Allen key.**
4. Temporarily insert thumbturn assembly. Tailpiece must enter slot in deadbolt body. On other side of deadbolt, make sure the tailpiece does not protrude past the deadbolt body. Shorten if required. Remove thumbturn assembly.
5. Use #6 screws through the lower holes in brass brace to attach cylinder collar. **Do not tighten.**
6. Place wavy spring washers on cylinder. Thread cylinder into brass brace. **Do not tighten.**
7. **Square deadbolt set only:** Using a carpenter's square (plastic if possible to protect door finish) square the cylinder collar against the door.
8. Tighten #6 screws.
9. Screw cylinder in until flush with cylinder collar or to desired depth. **Carefully** use partially-inserted key if necessary. When flush, align keyhole towards bottom (6 o'clock position) and tighten setscrew using Allen key. **Do not remove Allen key.**
10. Re-insert thumbturn assembly. Attach to brass brace using 8-32 screws. **Do not tighten.**
11. Test deadbolt using thumbturn and key.
12. **Square deadbolt set only:** Square thumbturn assembly.
13. Tighten 8-32 screws. Remove Allen key. Screw in faceplate.

\*Bore is 2 1/8" diameter

## WARNING

WHEN INSTALLING PLEASE ENSURE THAT WHEN THE BOLT IS ENGAGED IN THE STRIKE BOX THAT THE FIT IS NOT TIGHT. IF THE BOLT IS TIGHTLY FIT INTO THE STRIKE BOX THERE IS A HIGH RISK THAT THE TAIL PIECE WILL BEND OR SNAP WHEN TURNED UNDER HIGH RESISTANCE. IF THERE IS WEATHER STRIPPING ON THE DOOR CAUSING THE BOLT TO BE FITTING SNUGLY IN THE STRIKE BOX, THE CUSTOMER MUST BE TOLD TO PUSH THE DOOR TO RELIEVE THE PRESSURE ON THE BOLT BEFORE DISENGAGING THE BOLT. FAILURE TO DO THIS MAY RESULT IN A SNAPPED OR BENT TAIL PIECE- THE METAL STRIP THAT ACTIVATES THE BOLT