

## Quick Reference Guide

### Interior Door Installation

### Chapter 18

3/17/17

Door & Opening Prep	<ol style="list-style-type: none"> <li>1. Check door/frame for damage. If damaged, notify supervisor</li> <li>2. Verify door and size. Check house plan for swing and floor (carpet or vinyl)</li> <li>3. Mark hinge side Jack stud at hinge locations and check for plumb w/6' level</li> <li>4. Measure and check for plumb.</li> </ol>
Plumb Hinge Side	<ol style="list-style-type: none"> <li>5. If PLUMB:               <ol style="list-style-type: none"> <li>a. Measure door frame and rough opening at top/bottom hinge locations</li> <li>b. If difference <u>both</u> locations &lt;5/8" go to Step 7 below. Otherwise                   <ol style="list-style-type: none"> <li>i. Nail equal number of ¼" spacers at top &amp; bottom hinge locations</li> <li>ii. Place level against spacer, install spacers/shims at middle until flush with level.</li> </ol> </li> <li>c. Proceed to Step 7</li> </ol> </li> <li>6. If NOT PLUMB               <ol style="list-style-type: none"> <li>a. Measure door frame and rough opening at top and bottom hinge locations</li> <li>b. If difference &gt;5/8" either location, nail ¼" spacers/shims to top and/or bottom until &lt;5/8" at both locations.</li> <li>c. Check for plumb on top/bottom spacers. Add shims at top/bottom as required.</li> <li>d. Verify plumb, add shims at middle for uniform contact with 6' level</li> </ol> </li> </ol>
Shim Strike Side	<ol style="list-style-type: none"> <li>7. Add layers of ¼" spacers/shims to strike side stud top/bottom hinge locations until difference in opening is &lt;3/8"</li> <li>8. Place level against spacers and Install spacers/shims at middle hinge area until flush with level</li> </ol>
Temporarily Secure Door	<ol style="list-style-type: none"> <li>9. Position door on scrap floor trim (carpet) or on floor (vinyl), <u>tight</u> to hinge side, centered between wall surfaces</li> <li>10. Center hinge side jamb between both wall surfaces</li> <li>11. Using shims against the head jamb, wedge door against hinge side with horizontal pressure</li> <li>12. Check that head jam left/right reveals are equal. Shim hinge or strike jam up if required.</li> <li>13. Verify that bottom of <u>hinge</u> jamb is still centered between wall surfaces.               <ol style="list-style-type: none"> <li>a. Add spacers/shims at bottom of jamb and <u>temporarily</u> secure it with one 2½" Paslode nail <u>above the spacers/shims</u>.</li> <li>b. Do the same for the strike side jamb.</li> </ol> </li> <li>14. Recheck hinge side is still plumb, centered between wall surfaces</li> </ol>
Permanently Secure Door	<ol style="list-style-type: none"> <li>15. Secure hinge side jamb with <u>one</u> 2½" Paslode nail at each hinge location on <u>one side</u> of doorstop and through shims.</li> <li>16. Re-check plumb (on hinges) and centered in wall. Adjust as required.</li> <li>17. Replace one short screw in top hinge with 3" brass screw. Adjust for top reveal</li> <li>18. Recheck door operation and <u>head jamb</u> reveals. Adjust strike side jamb up/down.</li> <li>19. Check complete door operation, uniform contact with door stop, latch &amp; strike alignment, centered within wall. Adjust shims as required.</li> <li>20. Check reveals at top and bottom of <u>hinge</u> jamb               <ol style="list-style-type: none"> <li>a. Shim top as required so top reveal equals reveal below top hinge. Secure with 2½" Paslode nails on one side of doorstop.</li> <li>b. Shim and nail bottom of hinge jamb so reveal equals reveals at top.</li> </ol> </li> <li>21. Check reveals at top and bottom of <u>strike</u> jamb (<u>minimum 1/8"</u>). Shim and nail at the bottom of jamb to achieve consistent reveals top and bottom.</li> <li>22. Install and nail (same side of doorstop) remaining shims: latch side top &amp; bottom hinge locations; above and below latch.</li> <li>23. Install shims in center of head jamb, adjust for consistent reveal across jamb, and nail on one side of doorstop.</li> <li>24. Re-verify contact between door and doorstop at head jamb and strike jamb. Tap 2x4 scrap on doorstop to adjust. <u>Last resort</u>: remove/re-install against door.</li> <li>25. Install and nail additional shims between hinge locations, strike and hinge side (total 5 shims each side). Adjust for uniform reveals.</li> <li>26. At all shim locations, nail at opposite side of doorstop.</li> <li>27. Recheck complete door operation and reveals and adjust if required.</li> </ol>

- Verify install for vinyl floor or carpeted area
- Door opens and closes freely and latches snug to striker plate and against door stop
- Uniform reveal at top and sides between door and jamb
- Door trim nailed tightly to wall and jambs (especially on jambs) with uniform consistent reveal on jamb (sides and top)
- Tight fitting and GLUED miter joints
- All nails set and puttied