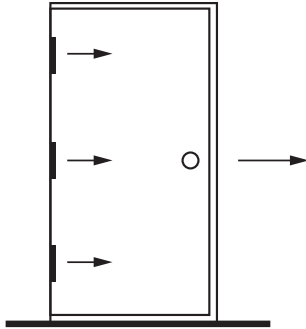


Door Installation and Trouble Shooting

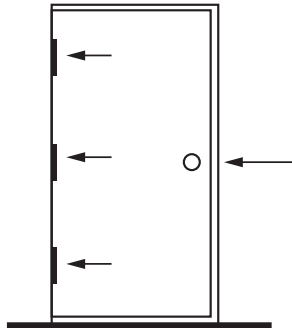
Figure 1



Tight Hinge Side Clearance and/or Excessive Lock Side Clearance

Even but excessive clearance between the strike jamb and the lock edge of the door can be improved by placing equal sized shims (D) between each jamb hinge reinforcing the hinge barrel toward the strike jamb. Further adjustments can be made by placing equal sized shims (C) behind each door hinge reinforcing. (Fig 1)

Figure 2

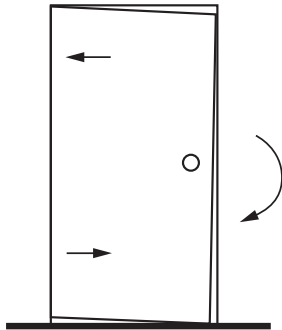


Tight Lock Side Clearance and/or Excessive Hinge Side Clearance

Even but tight clearance between the strike jamb and the lock edge of the door can be improved by placing equal sized shims (B) between each jamb hinge reinforcing and the hinge leaf to move the door and hinge barrel toward the hinge jamb. Further adjustment can be made by placing equal sized shims (A) behind each door hinge reinforcing. (Fig 2)

Note: Shims (A) or (B) which are too thick can cause hinge bind when the door is closed, especially when weatherstrip is applied to the hinge rabbet.

Figure 3

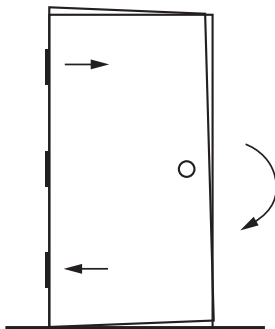


Out of Square Hinge Jamb or Strike Jamb

Toe Out:

Frame openings which are wider at the base than at the head will cause wider clearance at the lower lock edge and at the top as shown in Fig 3. This condition can be improved by placing shims (D) and (C) between the jamb and door hinge reinforcing respectively at the bottom hinge leaves. Further adjustment can be made by placing shims (B) and (A) behind the top hinge which will in effect rotate the door about the middle hinge. If the strike jamb is toed out also you may need to place shims (D) and (C) at the middle hinge as well.

Figure 4



Toe In:

Frame openings which are narrower at the base than at the head will cause tight clearance at the lower lock edge and at the top as shown in Fig 4. This can be improved by placing shims (B) and (A) behind the bottom hinge leaves and possibly the middle hinge as well. Further fine adjustment can be made by placing thin shims (D) and (C) at the top hinge.