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Setting and Adjusting Door Tension

Tools Required:

5/16" Wrench (supplied)
11/16" Wrench (supplied)

1. Loosen top jam nut with the 11/16" wrench enough to have movement on top hinge pin.
2. Using the 5/16" wrench (supplied with each door frame), turn and hold the top hinge pin one full arc toward the handle of the door (Figure 1).
3. While holding the 5/16" wrench and hinge pin in place, tighten the jam nut with the 11/16" wrench (Figure 2).

CAUTION: Tension may cause the 5/16" wrench to reverse position; hold the 5/16" wrench securely.

4. For more tension, hold the hinge pin with the 5/16" wrench in a starting position to sustain tension when loosening the jam nut with the 11/16" wrench. Repeat step 2 and 3.
5. Repeat step 4 until the desired tension is obtained (normally 2 to 3 times).
6. A typical tension is a "self close" when the door is released from a point approximately 6" to 7" open.
7. Repeat the above steps to set the tension on the remaining doors.

NOTE: A "clicking" noise and failure to hold tension is normally indicative of a failed hinge bearing.



Figure 1.



Figure 2.