

# Warped Doors: Using the String Test



**Purpose:** Instructions on how to perform the “string test” for suspected warped doors.

**Test Prerequisites:**

- Door jamb is square, plumb, and level

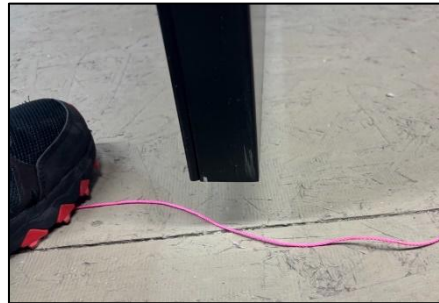
**Required Materials:**

- Mason line, chalk string, or similar
- Tape Measure

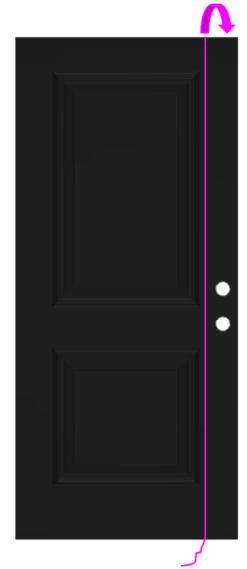
**Required Information:**

- Order Number
- Installation date
- Storm door (if applicable)

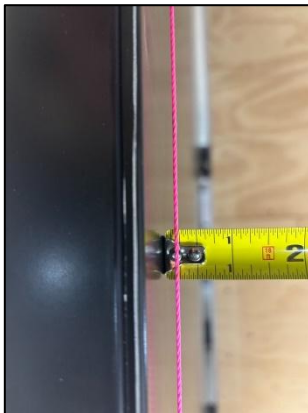
**Step 1:** Place one end of the string under the door slab and secure with your foot.



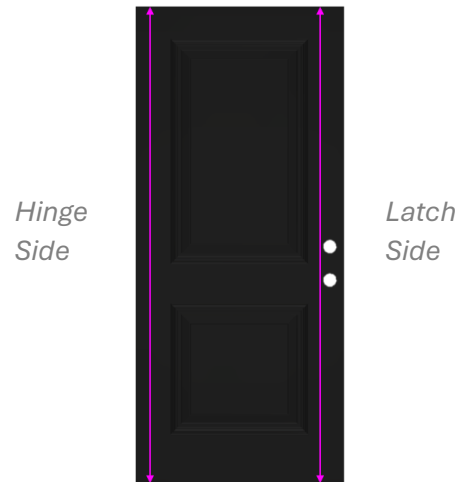
**Step 2:** Loop the string over the door slab. Avoid contacting any door accessory such as handles, latches, etc.



**Step 3:** Pull the string tight. Observe any measurable gaps between the string and the door slab. Measure and record gaps with a tape measure.



**Step 4:** Repeat this process on each side of the door slab for both hinge and latch sides.



**Specifications:** When the string is tight, any measurable gaps should be less than 3/16 of an inch on steel doors and ¼ of an inch on fiberglass doors. Gaps that are greater than that indicate the door slab is warped.

If the door slab is deemed warped, please send a claim submission to [claims@wausausupply.com](mailto:claims@wausausupply.com) with a completed claim form along with pictures documenting the findings.

# Jamb Installation: Square, Plumb, and Level



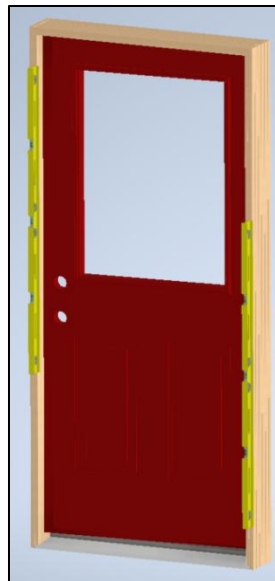
**Purpose:** Instructions on how to check if the door jamb is square, plumb, and level.

**Required Materials:**

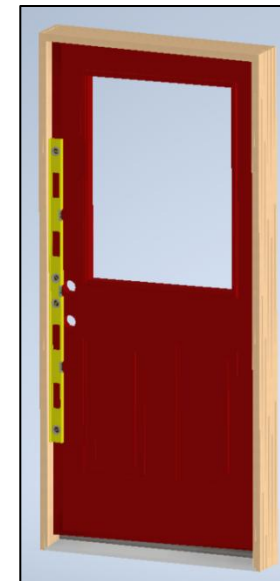
- Level
- Tape Measure

**Note:** Length of level should extend at least 50% of the measured distance. Example: a 48-inch level used on a 96-inch measuring plane.

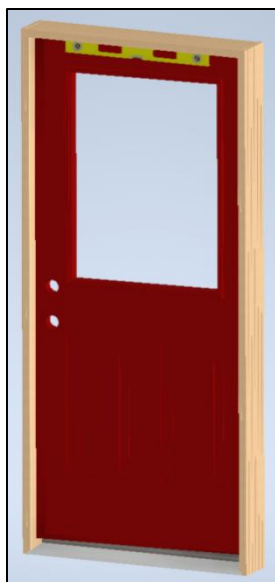
**Step 1:** Use a level to inspect all vertical planes along the door jamb for both interior and exterior sides.



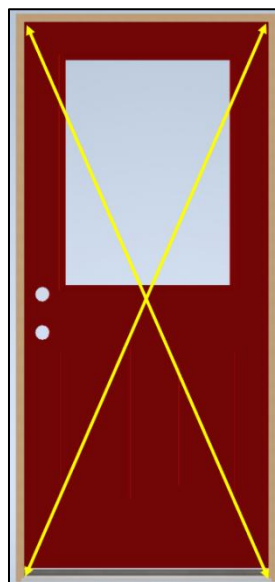
**Step 2:** Use a level to inspect vertical planes of the door jamb along the hinge and latch sides.



**Step 3:** Use a level to inspect the horizontal planes along the jamb header and threshold.



**Step 4:** Measure corner-to-corner of jamb assembly using a tape measure. Each measurement should be equal within 1/8 inch.



**Specifications:** The maximum variance for all measurements should be less than 1/8 inch. If all measurements are less than 1/8 inch the door jamb assembly is square, plumb, and level.