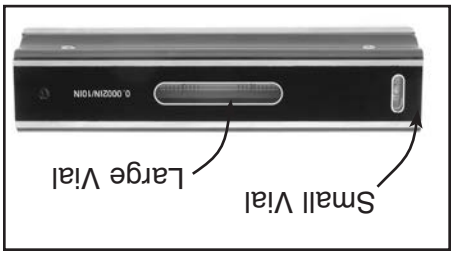


These incredibly accurate levels are used for setting up lathes, milling machines and other fine machinery. The H2682 has a resolution of .0005" over a 10" span. The H2683 has a resolution of .0005" over a 10" span. If you put a newspaper page under the machine that you are leveling, the bubble will move!

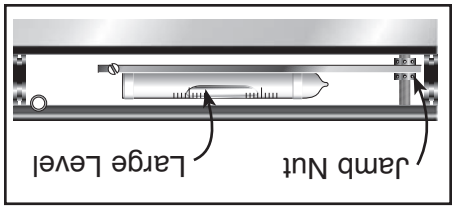
Checking the level's accuracy:

1. Place the level on a clean surface. Make sure the base of the level is wiped clean. Dirt and dust can affect the accuracy of your readings.

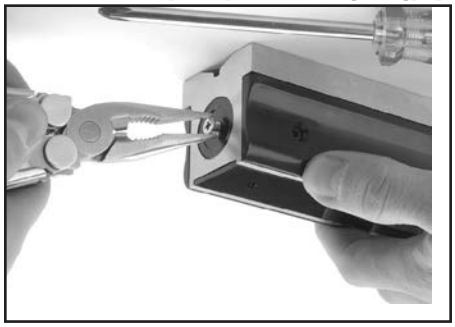
2. If the bubble in the large vial is pegged to either side, rotate the level until the bubble is close to center. You can also adjust by placing shims under one end of the level.

3. Take note of the bubble reading in the large vial. Mark where the level rests on the surface before the next step.

4. Rotate the level exactly 180° and take note of the bubble in the large vial. If the bubble does not line up opposite the first reading, within one half of a line, it needs to be adjusted.



Adjusting your level:



1. Unthread a screw from the side plate, and insert it into the end cap, on the end opposite the small vial, if you have the 8" level. If you have the 12" level, insert the screw in the side cap. Use pliers to pull out the end cap. Be careful to not lose the spring.
2. Loosen the top jam nut with the included wrench. Move the bottom nut to adjust the level. Clockwise moves the nut down, and counter-clockwise moves it up. This level is so sensitive that resting your weight on the surface that you are leveling can affect the readings!
3. Recheck the level for accuracy.

Repeat **Step 2** if it is not accurate.

4. When accurate, tighten the top jam nut onto the bottom jam nut to lock the adjustment in place. Let the level sit for 2-4 hours and check for accuracy again.

Machinist's Level Usage

1. Clean the surface to be leveled and the base of the machinist's level. Grime and metal shavings will affect the accuracy of the readings.

2. Place your level parallel with the edge and in the center of the surface to be leveled.

3. Adjust the surface to be leveled so that the bubble in the small vial is centered. The bubble should come to a complete stop in the exact center of the vial.

4. Next, adjust the surface so that the bubble in the large vial is centered.

5. Rotate the level 90° and repeat **Step 4**.

Grizzly Industrial, Inc.®

H2682 & H2683

MASTER MACHINIST'S LEVEL INSTRUCTIONS

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