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Please follow these instructions to ensure the proper operation of your T & D MACHINE PRODUCTS Brodix Big Block Chevy Rocker Arm Assembly.

1. DETERMINE CORRECT STAND HEIGHT

Install the rocker stands on the cylinder head using the 7/16-14, 12 point attaching bolts. The stands should be placed on the head so that the stamped letters face the valve stem. Remove a rocker arm from one of the shafts and place that shaft on a stand. Take the shaft height gage supplied with the kit and place it on the valve stem as shown in Figure 1.

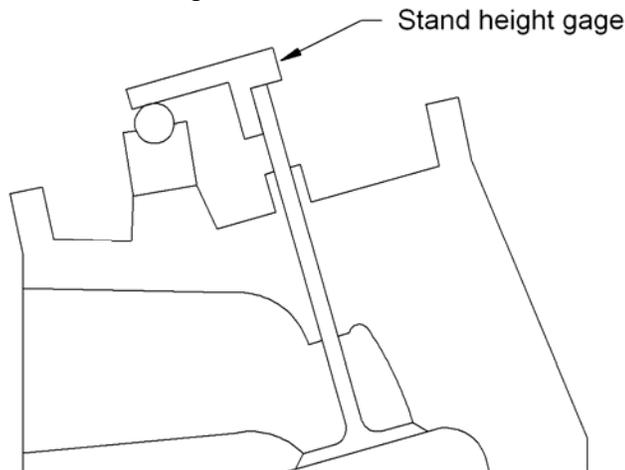


Figure 1

The gage should contact the top of the valve and the rocker shaft as shown in Figure 1.

If the gage contacts the shaft before touching the top of the valve stem, as shown in Figure 2, remove a corresponding amount of material from the stud bosses on the cylinder head. This will lower the rocker stand on the cylinder head.

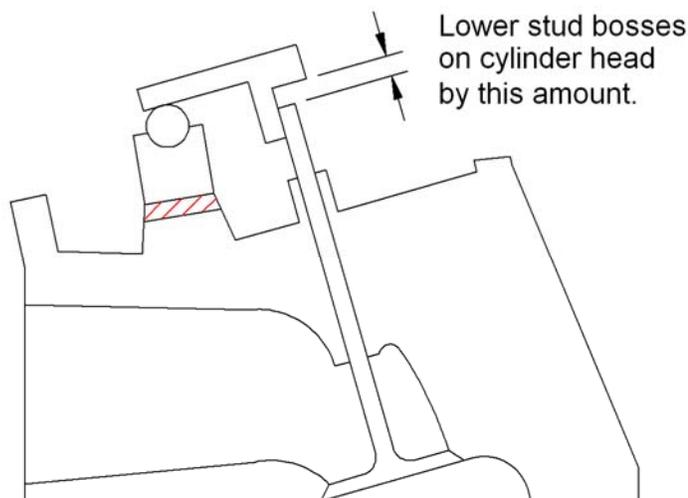


Figure 2

If the gage contacts the top of the valve stem and does not touch the rocker shaft, as shown in Figure 3, add a corresponding amount of shims between the stand and the cylinder head. This will raise the rocker stand and shaft to the correct height.

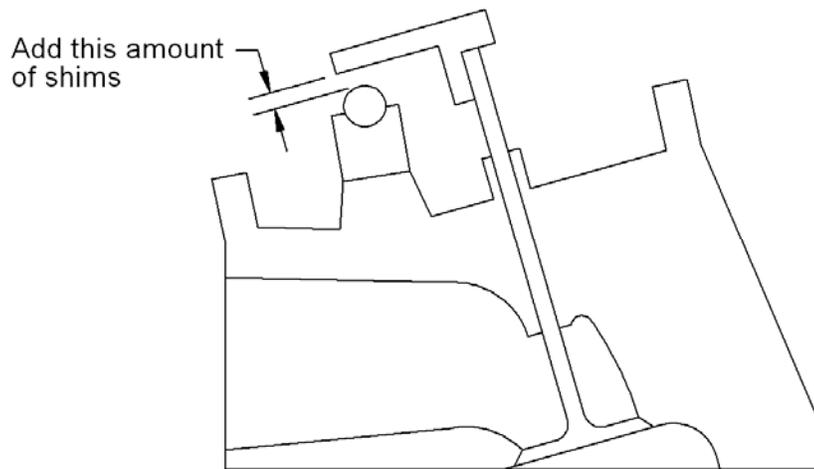


Figure 3

**NOTE:**

The shaft height gage supplied with this assembly is manufactured for 0.750" of valve lift. For lifts less than 0.750", the shaft height should be raised by half the difference, and for lifts greater than 0.750" lift, the shaft height should be lowered by half the difference.

(i.e.: For 0.800" lift, the shaft should be 0.025" lower than the gage, and for 0.650" lift, the shaft should be 0.050" higher than the gage.)

**2. INSTALL ROLL PINS**

After making any necessary height adjustments, install each stand in their respective positions. Align the stand with the valve and tighten the stand attaching bolts to keep them from rotating. Use the stand as a guide, or use a transfer punch to drill the 1/4" holes for each roll pin, 1/2" deep. When all the roll pin holes are drilled, install the included roll pins by lightly tapping with a hammer.

**3. DETERMINE CORRECT PUSHROD LENGTH**

Place a pushrod length checker into the lifter and install the rocker arm assemblies. Be sure the cam is rotated to the base circle. Seat the bottom of the adjuster screw up against the recess in the rocker arm and turn the adjuster screw clockwise one full turn down. This is the initial adjuster position. Adjust the pushrod length tool to the proper length, remove from the engine, and measure its overall length.

The rocker arm should not be operated with the adjuster screw more than one turn up or down, from the initial adjuster position. Doing so can cut off the flow of oil to the rocker arm.

#### 4. FINAL ASSEMBLY

After all of the stand heights have been set, and the roll pins have been installed, place a rocker and shaft back on the stand to assure good rocker to valve alignment and torque the stand attaching bolts to 55/65 ft-lbs. When the stands are aligned and tightened down, place the rocker arm and shaft assemblies on the stands and tighten the shaft hold down bolts to 18/20 ft-lbs. After all of the rockers have been tightened down, set valve lash and torque the adjuster screw jam nut to 5/20 ft-lbs.

Note: Be sure to check intake rocker arm to valve cover clearance. Some aftermarket valve covers come close to the back of the rocker, and additional clearancing is needed