



CRATE ENGINE VALVE ADJUSTMENT

Your crate engine is shipped with #1 cylinder in the firing position. You want to start on #1 cylinder firing. To check, look at damper and timing tab are 0 degree TDC. Remove distributor cap and rotor should be pointing toward #1 cylinder. If so, you are ready to start. If not, turn #1 cylinder to firing position at TDC.

Step 1. Loosen all rocker nuts until rocker arm is able to turn sideways. Remove all pushrods.

Step 2. Install new pushrod with lube on both ends. Make sure tip hits center of lifter cup. Turn rocker arm backover end of pushrod. You are now ready to start valve adjustment.

Step 3. With #1 cylinder at TDC firing position, adjust exhaust valves on cylinder numbers 1, 3, 4, 8 and intake valves on cylinder numbers 1, 2, 5, 7 as follows:

- You need to set rocker at zero lash. While tightening, the rocker nut spin pushrod, when you feel it tighten, you are at zero lash. Tighten rocker nut half turn pass zero lash.
- Note: If rocker nut has no pressure feel while tightening, replace with new nuts supplied. Nuts must have a locking fill to them.

Step 4. Turn engine one complete revolution so #6 cylinder is at TDC firing position and adjust exhaust valves on cylinder numbers 2, 5, 6, 7 and intake valves on cylinders 3, 4, 6, 8 in the same manner. The valves are now adjusted.

Replace valve cover gaskets with new ones (supplied) if needed and install valve covers.

You may want to check a Mitchell or Chilton Manual for more help or call our tech line at 1-(800) 416-8628.

