

Valve Adjustment Procedure for Small and Big Block Chevy

After the engine has been thoroughly warmed up the valves may be adjusted with the engine shut off as follows:

With engine in position to fire Number 1 cylinder the following valves may be adjusted:

Exhaust 1-3-4-8

Intake 1-2-5-7

Then crank the engine one more complete revolution which will bring Number 6 cylinder to the firing position at which time the following valves may be adjusted:

Exhaust 2-5-6-7

Intake 3-4-6-8

The following procedure performed with the engine running should be done only in case readjustment is required:

1. After engine has been warmed up to operating temperatures, remove valve cover and install a new valve cover gasket on cylinder head to prevent oil from running out.
2. With engine running at idle speed, back off valve rocker arm nut until rocker arms start to clatter.
3. Turn rocker arm nut down slowly until the clatter just stops. This is the Zero Lash Position.
4. Turn nut down $\frac{1}{4}$ additional turn and pause 10 seconds until engine runs smoothly. Repeat additional $\frac{1}{4}$ turns, pausing 10 seconds each time until nut has been turned down the number of turns listed in the Valve Specifications Chart from the Zero Lash Position.

NOTE: This preload adjustment must be done slowly to allow the lifter to adjust itself to prevent the possibility of interference between the intake valve head and top of piston, which might result in internal damage and/or bent push rods. Noisy lifters should be replaced.

Always refer to the Manufacturer's Recommended Specifications in completing these tasks.