

# Moe's

## **T**ech Tip **Of The Month**

### **Adjusting Your Valves**



#### **Tools Required:**

**1 13mm Box-end wrench**

**1 4" Flat Head Screwdriver**

**One Set Of Feeler Gauges**

***"That's It"***

**Adjustment and checking of your valves, will determine the life of your motor. By doing this yourself, you can keep an eye on the internal parts and observe wear and tear. Write down in a ledger and maintain a record what valves are loose and which ones are tight. That way, you can look for a pattern.**

**Make sure the engine is cool. This will ensure you being accurate. Remove both valve covers. Position the number one cylinder on a compression stroke. Watches the intake close, at which time make sure the crank pulley is TDC and mark it. Do this by turning the motor by hand. The pulley notch should be at nine o'clock.**

**Start with the intake valve. Press down with your thumb on the bottom of the rocker, at the same time insert you feeler gauge size .006'' between the tappet and the valve stem. If you can't insert the feeler gauge it's too tight. If it goes in it's to loose. If it goes in but you can't feel slight resistance, no adjustment is needed.**

**To adjust the valve, loosen the 13mm jam nut with a wrench. While holding the jam nut with the wrench, turn the adjustment screw with a screwdriver in what ever direction will allow you to obtain the proper space of .006'' Once you have achieve this. Hold the screw and tight the jam nut. Repeat this process for the exhaust valve. Now turn the crankshaft 180 degrees counter-clockwise and repeat the steps for the second cylinder. You must turn the crankshaft the 180 degrees between the adjustments of each cylinder. Now move on to the third cylinder and then to the fourth. Remember to document the changes. Good luck on the valve job!**