

Holley Float Level Adjustments

- Step A:** Start the vehicle and let it warm up to operating temperature.
- Step B:** Turn the vehicle off and wait 30 seconds for fuel to stabilize in the fuel bowls.
- Step C:** Then remove the sight plug screw and examine fuel level. If you are working on a 4 bbl carb you will have 2 float levels to check. You want the level to be right at the bottom of the hole. Where as if you gently rock the vehicle by leaning on the fender you get fuel to trickle out. Fuel should not be pouring out of screw hole. If it is the level is too high and needs to be lowered. If it is too low then the level needs to be raised. This is achieved by loosening the screw on top of the fuel bowl and turning the nut underneath it one revolution at a time. Go back to step A and repeat after every full turn on the nut until you have achieved the desired fuel level. Turning the nut clockwise lowers the fuel level. Turning the nut counterclockwise raise the fuel level. **Remember to tighten the screw on top of the nut, and put the sight plug screws back in again after every attempt at adjusting the fuel level. This can be a time consuming process but care must be taken to avoid catastrophe.**

Mixture Screw Adjustments

Get vehicle to operating temperature. Set fuel levels as described above then proceed.

Set the curb idle speed to between 750 and 850 RPM. Then check ignition timing adjust if necessary. Now we are ready to set the mixture screws. Your carburetor may have 2 or 4 mixture screws. This is for those with 2 screws. Turn the mixture screw in until you notice a drop in Rpm. Then back it out until you get the highest rpm you can. Stop and do the same to the other mixture screw. You are to do this to achieve the highest rpm for the motor at idle. It may be necessary to lower your idle speed once you have completed the mixture process. For those carburetors with 4 mixture screws other wise known as 4 corner idle, you will make smaller adjustments to all 4 screws. After timing and base idle is set you will turn 1st screw in to notice a drop in rpm. Then in ¼ turn increments you will adjust each mixture screw until you no longer get a positive (meaning rpm rise) result from turning the screw. After this you may need to lower your base idle speed.