



# HOLLEY REPLACEMENT CARBURETOR GENERAL INSTALLATION INSTRUCTIONS

To preserve warranty, these instructions must be read and followed thoroughly and completely both before and during installation. Holley Replacement Parts Division cannot and will not be responsible for any alleged engine or other damage, or other conditions resulting from misapplication of the carburetor described herein.

**WARNING!** This carburetor is NOT designed for use with ANY automatic overdrive transmissions. If used on an automatic overdrive vehicle, SEVERE transmission damage WILL result.

Prior to and after installing your replacement carburetor, manually operate the throttle lever and choke mechanism. Check for any throttle binding or other malfunction. Also, make a visual inspection of the carburetor, looking for bent levers, missing parts or any possible shipping damage. Because this replacement carburetor is designed to fit a variety of applications, It may provide more vacuum fitting tubes and/or hoses than the original carburetor. Some provided small parts might not be needed in various applications.

## REMOVAL:

Before disconnecting the various hoses, linkages, and springs from original carburetor, it's advisable to tag each in some manner, so as to avoid confusion during installation of your replacement carburetor. Be sure to trace each line from original carburetor to its component, such as the distributor, then label that line. In the event that any components are strange or unknown, use a numbering system that corresponds each line to its component.

1. Label and disconnect all vacuum hoses and electrical lines from the original carburetor. Disconnect the fuel line and retain the clamp.

**WARNING!** Carefully protect the open end of the fuel line, so that no foreign particles can enter. Wrap the end of the fuel line with a clean lint-free cloth.

2. Remove the carburetor hold down nuts. Loosen and remove the old carburetor. Place it over a suitable container and turn it upside down, in order to drain all the remaining gasoline from the fuel bowl. WIPE UP ANY SPILLED FUEL TO MINIMIZE A FIRE HAZARD.
3. Clean the gasket surface thoroughly. Place a clean cloth over manifold opening to prevent any foreign materials from entering engine. Protect all exposed ends of lines and hoses from dirt contamination.

**CAUTION:** Dirt entering the engine will impair vehicle performance and can cause expensive engine damage.

## INSTALLATION:

1. Place the new carburetor next to original carburetor. Transfer any solenoids or dashpots from the original carburetor to new carburetor (if applicable).
2. Place your new carburetor and gasket on the manifold and tighten down the hold down nuts.

**CAUTION:** Overtightening the carburetor hold down nuts can result in a warped or cracked carburetor throttle body. The hold down nuts should be tightened down progressively in a criss-cross pattern, first by hand, and then with the proper wrench. This procedure will prevent vacuum leaks, while avoiding damage to the carburetor.

**WARNING!** Fuel system components (including fuel lines and carburetor), should be inspected periodically to ensure that no future fuel leakage will occur, and to make certain that all vacuum hoses are sound.

3. Hoses that exhibit surface cracks when bent to a 180° position should be replaced. The presence of liquid fuel demands re-tightening of loose fittings, and hose replacement as needed.

4. Excluding the fuel line, reconnect the vacuum hoses and electric lines as assembled previously to the original carburetor. All tubes and vacuum sources not utilized must be plugged in order to prevent vacuum leaks and unfiltered air from entering the engine.

**WARNING! At this time, with the engine off and fuel lines disconnected, check the throttle operation. Be certain that there is no interference when the throttle lever is operated between idle and full wide-open throttle positions. Any binding or interference could cause the throttle to stick open later during normal vehicle operation and possibly result in an accident due to the loss of carburetor throttle control (or uncontrolled engine speed).**

5. Reconnect the throttle linkage.
6. Connect the fuel line. As a further precaution to any carburetor flooding, the installation of an inline fuel filter is recommended.
7. Set the parking brake. Block the drive wheels to avoid any vehicle movement. Start the engine and check for fuel or vacuum leaks.

### **STARTING INSTRUCTIONS: Rough Idle and Vacuum Leaks**

If rough idle exists after the engine has been fully warmed up, check for vacuum leaks. Vacuum leaks can result from unplugged vacuum fittings, torn or improperly installed flange gasket, improper torque on the carburetor throttle body to manifold hold down nuts, or through improper reconnection of the vacuum lines. ALL CARBURETOR TUBES AND HOSES MUST BE PROPERLY RECONNECTED AND/OR PLUGGED IN ORDER TO MEET EMISSION REQUIREMENTS, AND PROVIDE RELIABLE VEHICLE PERFORMANCE.

### **SETTINGS AND ADJUSTMENTS:**

Refer to the manufacturer's decal in the engine compartment for specific idle speed settings for your vehicle. On automatic transmission equipped cars, the speed is set WITH THE PARKING BRAKE ENGAGED, THE DRIVE WHEELS BLOCKED, AND THE TRANSMISSION IN "DRIVE". On manual transmissions, place the vehicle in "neutral", WITH THE PARKING BRAKE ENGAGED.

### **GENERAL:**

In addition to your Holley replacement carburetor, attention must be directed to the correct engine timing, spark plug gap and heat range, sound primary and secondary wiring and operational PCV, EGR, and heat riser systems. These separate, but important factors, each effect the economy and performance of your vehicle's engine. An automotive system cannot perform to its maximum potential without proper maintenance and adjustment of all its components.

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