



Holley Carburetor Throttle Body Replacement Kit P/N 112-2

NOTE: These instructions are basic and simplified. It is assumed that the person performing this replacement operation has basic automotive skills and experience.

For more detailed information on throttle body replacement and carburetor rebuilding, consult Holley Model 4150 & 4160 Carburetor Handbook (Sales No. 36-133).

This kit includes:

Quantity	Description
1	Throttle Body Assembly
1	Throttle Body Gasket
1	Curb Idle Speed Screw & Spring
1	Secondary Idle Adjusting Screw (4 Barrel)
1	Secondary Throttle Connecting Rod (4 Barrel)
2	Washers (Secondary Throttle Connecting Rod)
2	Cotter Pins (Secondary Throttle Connecting Rod)

1. Remove and retain the 6 screws (some models have 8 screws) located on the bottom of the assembled carburetor. An impact driver may be helpful in this procedure.
2. Carefully detach any remaining linkage and vacuum hoses connected between the throttle body and the main body. Retain all clips for re-assembly.
3. Remove the original throttle body assembly and the gasket existing between the main body and the throttle body. Note the exact position of the original throttle body gasket, as it was installed. The new replacement gasket must be installed in exactly the same way.
4. On four barrel carburetors, install the new secondary throttle connecting rod, washers, and cotter pins (from the kit) on the new throttle body assembly. Note this installation on the old throttle body and use it for reference. After this installation is accomplished, "work" the linkage to ensure proper operation. Check for any signs of binding or hanging up of the linkage, and correct as necessary.
5. Insert the provided new gasket between the main body and the replacement throttle body assembly. Secure the assembly with the original screws (from Step 1). Tighten evenly.
6. Reattach the linkage and hoses detached in Step 2.
7. Install the curb idle screw and spring.
8. Install the secondary idle adjusting screw. **NOTE:** The secondary idle adjusting screw must be installed from the "under" side of the throttle body casting. The screw should be turned to the point where it just contacts the secondary throttle plate lever. From this point, turn the secondary idle adjusting screw clockwise 1/2 to 1 full turn to slightly open the throttle plates.
9. Accelerator pump adjustment (adjusting the contact between the pump lever, under the fuel bowl, and the throttle lever) must meet both the following conditions:
 - A. The accelerator pump lever should contact the adjusting screw (after the engine's specified curb idle speed has been set).
 - B. When the carburetor throttle lever is at the wide-open throttle position, the accelerator pump diaphragm lever (attached to the underside of the fuel bowl) must be capable of moving from .015 to .020 inch additional travel. This condition is specified in order to avoid premature pump diaphragm wear.
10. Reset the "curb" and choke "fast" idle speeds, as per the vehicle manufacturer's specification.

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