

SOLID STATE, ELECTRONIC, AUTOMATIC CHOKE INSTALLATION INSTRUCTIONS

STEP 1

Remove air cleaner and set aside. Remove old choke cover.

STEP 2

Open throttle approximately $\frac{1}{4}$ " to $\frac{1}{2}$ " and while holding open, close choke valve plate completely. Release throttle, locking in the fast idle cam. This allows the choke valve plate to open and close freely for installation and testing. Next check the choke valve plate, the fast idle cam, and the choke linkage for binding or sluggish action. If any is noted, spray with choke cleaner and work until free-moving.

STEP 3

Install electronic choke housing assembly bracket. Do not tighten completely to manifold at this time.

STEP 4

Insert choke control rod through the pushnut and choke plate arm. DO NOT push through too far. The rod must be parallel with the back of the choke housing assembly and move freely from full open to closed without sticking or dragging on the choke plate arm or the rod clip.

STEP 5

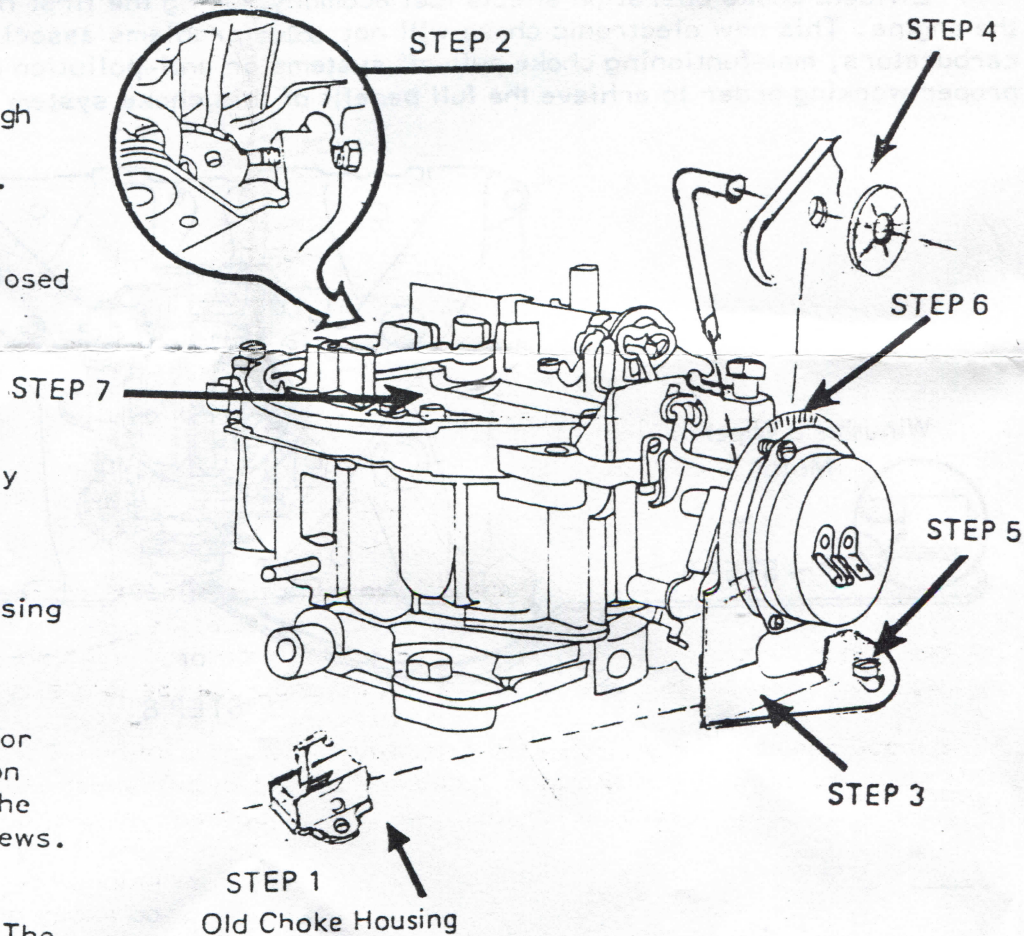
Align the assembly and tighten down the screw holding the assembly bracket to the manifold.

STEP 6

Check index mark on choke housing cover to see if it lines up to proper index line on the choke bracket, as indicated on the chart below. If it doesn't line up to the proper mark for your car, loosen the three screws on the choke cover ring and adjust to the proper index mark. Tighten the screws.

STEP 7

Push choke valve and release. The choke valve plate should very lightly close at 70°F. The colder - the tighter closed. Check the movement from full open to closed by pushing down and releasing the choke linkage. There should be no sticking or binding (see Step 2).



STEP 8

Remove rear intake manifold bolt and sand the area. A good ground and a warm location are required for proper operation of sensor. Install heat sensor under bolt. Plug male and female leads into choke cover.

STEP 9

Splice white wire into black/yellow lead on windshield wiper motor (or can be spliced into any 12-volt service which is operated by ignition key, such as carburetor idle stop solenoid).

STEP 10

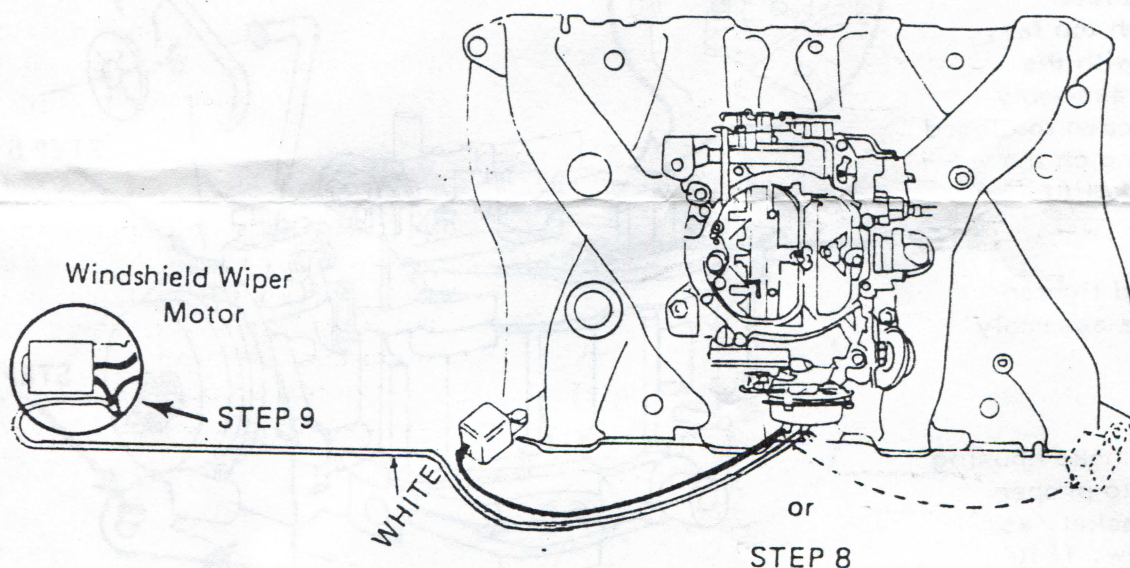
Start the car to check typical choke operation:

Winter temperature - 3-6 minutes to open.

Summer temperature - 1-3 minutes to open.

After observing the operation turn off the engine and re-install air cleaner. Be sure that all the hoses and air ducts are properly connected to the air cleaner. Starting and driving may indicate further adjustment: richer, if the engine stalls during acceleration: leaner if black smoke occurs during start-ups. All adjustments should be made one index mark at a time.

Efficient choke operation affects fuel economy during the first five miles of driving after starting the engine. This new electronic choke will not solve problems associated with improperly adjusted carburetors, mal-functioning choke pull-off systems or anti-pollution devices. These must be in proper working order to achieve the full benefit of this choke system



<u>MAKE</u>	<u>YEAR</u>	<u>ENGINE</u>	<u>CARB TYPE</u>	<u>INDEX</u>
Pontiac	1972	400	Rochester - 4	2 Lean