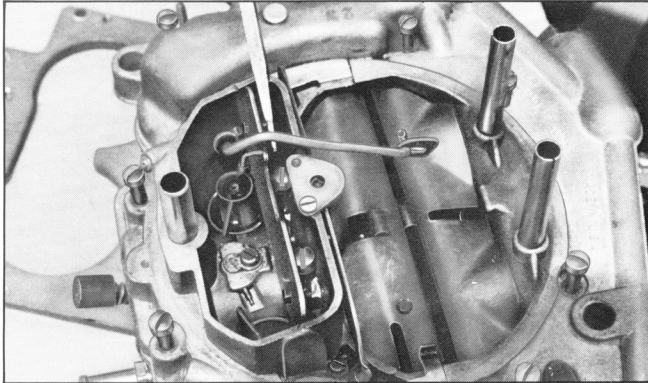




Carter Thermo-Quad

Conversion

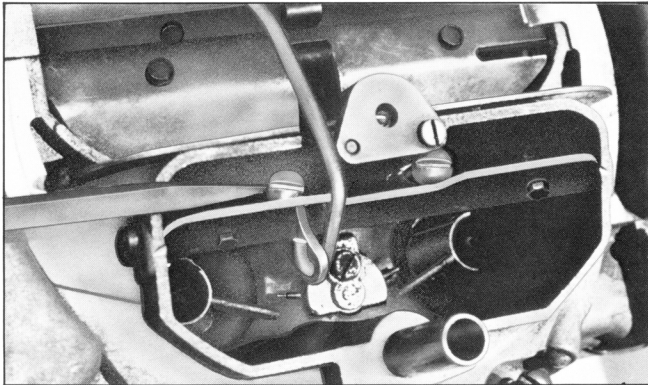
P/N Q2523000-05



- 1 Remove eight screws around diameter of Carter gasoline bowl cover.

NOTE:

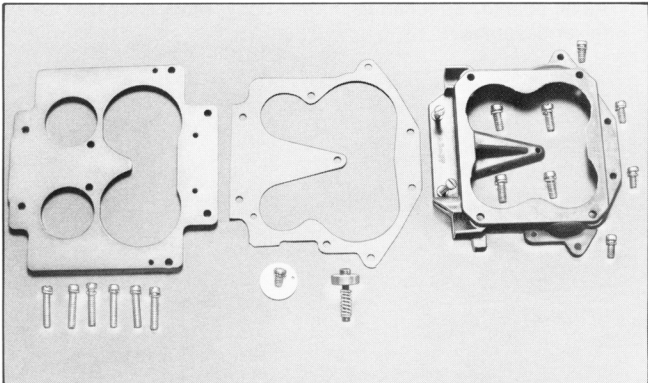
Impco does not recommend usage of the Carter Thermoquad with black pastic bowl in a dual fuel configuration. Such use voids the Impco and the Carter warranties. Use of propane in this carburetor could result in cracking of the black plastic bowl, and hazardous release of fuel in the event of backfiring. To help avoid such backfiring, the secondary throttle spiral spring could be wrapped another half-turn to increase the closing force. The recommended procedure is, however, that the carburetor be used only for a single fuel system and that the plastic bowl be replaced completely. The best alternative is to replace the Thermoquad entirely with an Impco carburetor.



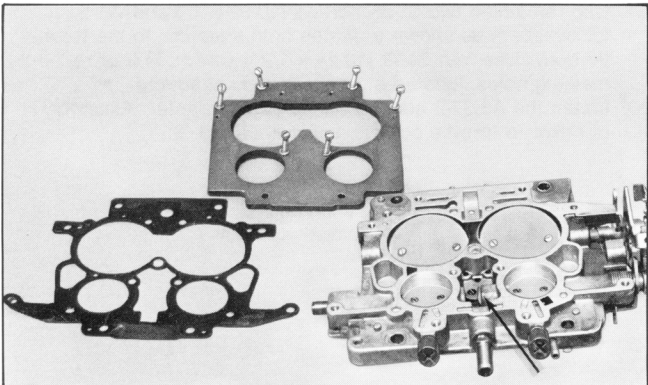
- 2 Remove two screws located beneath the choke fly which is above the small front bores (shown at tip of screw driver).

Remove bowl from throttle body.

Carefully remove throttle-body-to-bowl gasket from bottom of plastic gasoline bowl. Retain for reuse under the A3-64 adapter.



- 3 AA3-64 adapter assembly complete includes:
8 W1-5 #10 lockwashers 1 A3-64 adaptor
1 G1-74 gasket (not shown) 1 A3-37-2 adapter
8 S1-65 screws, 10-32 x 1" 1 G1-75-2 adapter
4 S1-19 screws, 12-24 x 5/8" 1 W1-21-2 washer
4 S1-71 screws, 10-24 x 1/2" 1 W1-40 washer
1 S1-35 screw, 10-32 x 5/16" 1 S2-15 spring
1 S1-51 screw, 10-32 x 1-1/4"



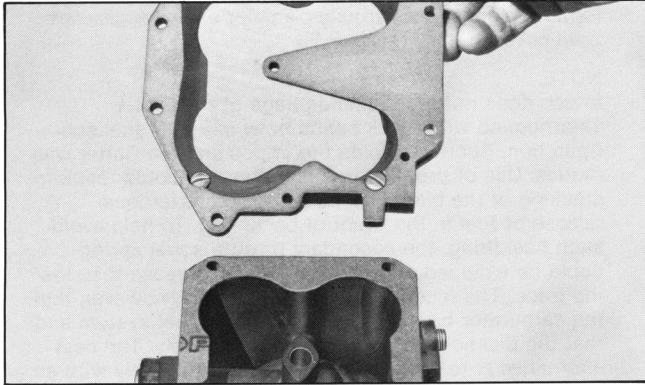
- 4 Position A3-64 adapter as shown with part number on casting turned down toward throttle body. This provides a cavity to clear the small lever on the front throttle shaft between the front flies (see arrow). Install the adapter using original gasket and six S1-65 (10-32 x 1") screws and six W1-5 lockwashers. Leave two front holes (located above the gasoline idle screws) open for assembly to A3-37-2 adapter.



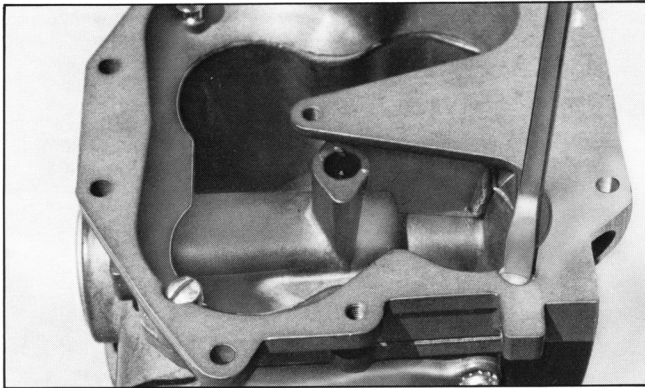
Carter Thermo-Quad

Conversion

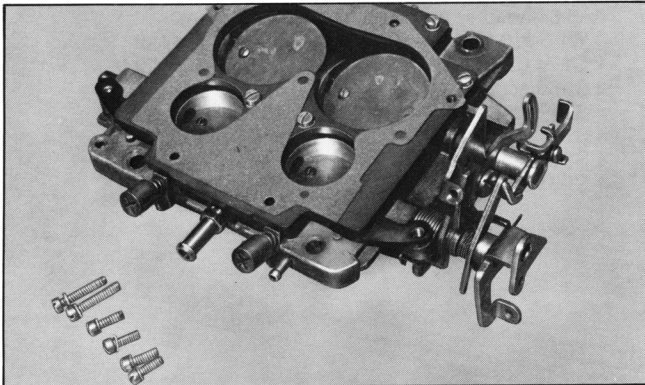
P/N Q2523000-05



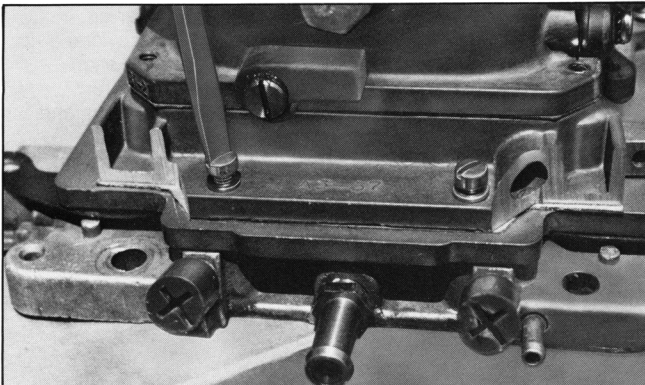
- 5** AA3-37-2 adapter assembly and CA425 mixer (bottom) includes four S1-19 (12-24 x 5/8") screws and G1-74 gasket. Photo shows screws in adapter and gasket in position on mixer.



- 6** Fasten A3-37-2 adapter to CA425 mixer prior to assembly to the A3-64 adapter which has been mounted on the throttle body.



- 7** A3-64 adapter attached to throttle body, ready to fasten to mixer assembly.



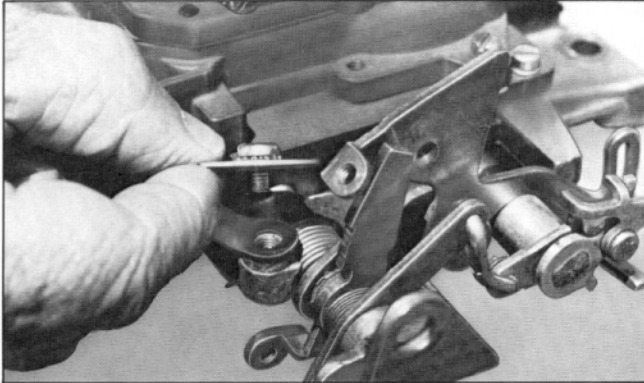
- 8** Use remaining two S1-65 screws (10-32 x 1") and W1-5 lockwashers as shown to fasten both adapters to the throttle body. Use four S1-71 (10-24 x 1/2") screws in four remaining holes, located at opposite side of adapter, to fasten the A3-37-2 adapter to the A3-64 adapter. Assembly of mixer to throttle body is now completed.



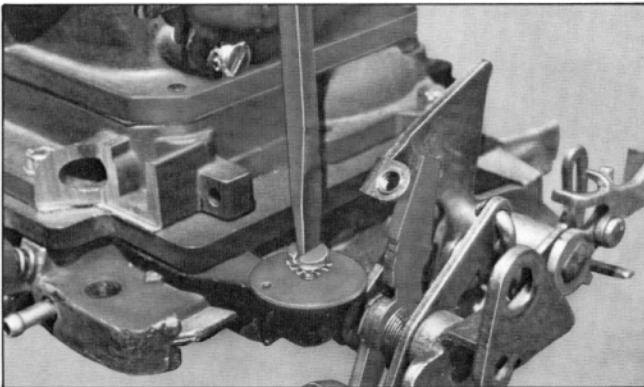
Carter Thermo-Quad

Conversion

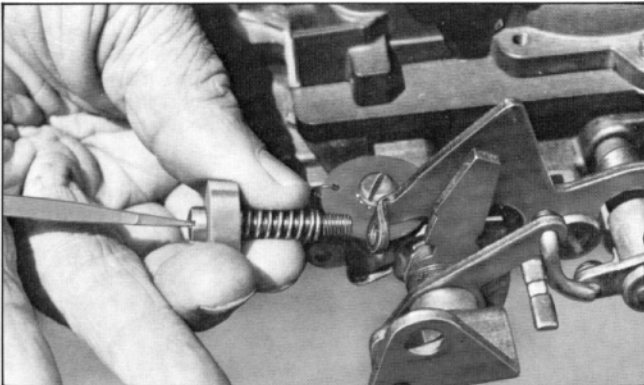
P/N Q2523000-05



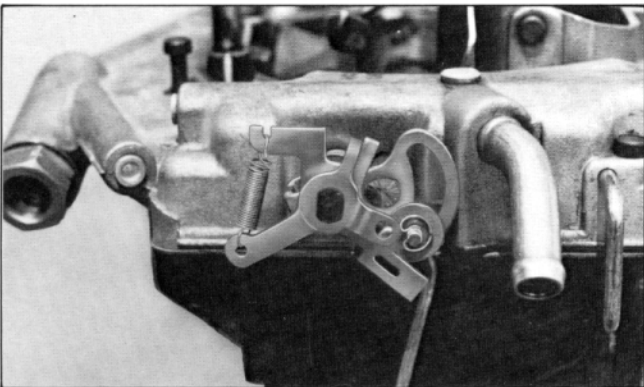
- 9** The idle adjustment makes use of the cold-start fast-idle lever shown at tip of washer. First, remove original fast-idle screw and spring as shown. In order to position the fast-idle lever so it will not move, the W1-21-2 washer (1" diameter with 3/32" offset hole) is fastened in the tapped 10-32 hole shown below the screw.



- 10** Fasten washer in place as illustrated with 3/32" spring perch hole in line with the lever directly below.



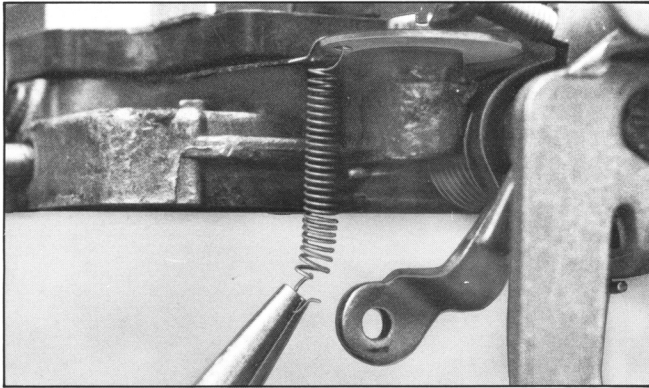
- 11** Using new S1-51 idle screw (10-32 x 1-1/4"), place the W1-40 washer next to the screw head, then install idle stop spring (S2-15) on screw and thread assembly through the fast idle lever. Weight of the washer holds fast-idle lever down against the W1-21-2 washer below, and maintains a permanent position for the idle adjustment screw.



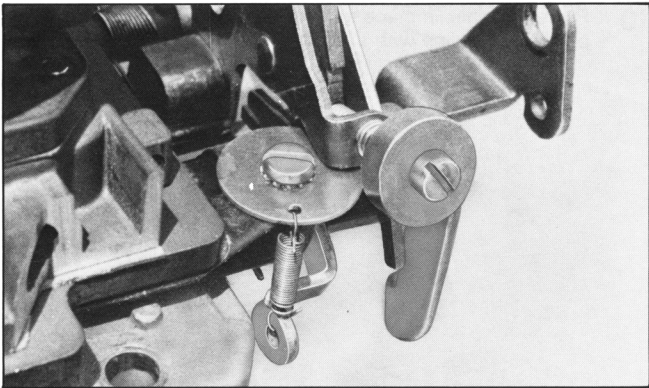
- 12** On the fuel inlet side of the gasoline bowl, locate and remove the small spring for use in next step.



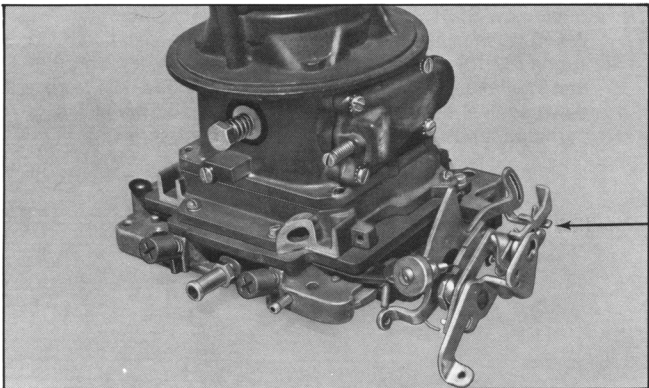
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Conversion
P/N Q2523000-05



- 13** Install spring as shown through spring perch hole in W1-21-2 washer and through hole shown in lever to pull lever upward and out of operation. Wire may be used to hold lever up if spring is missing.



- 14** Illustration shows completed idle stop screw assembly.



- 15** With completed carburetor in upright position as shown, front and rear flies should now be mechanically linked with no "monkey motion" in the operation. A small adjustment (bend) upward on the horizontal tab (arrow), may be necessary to align floating lever on the rear throttle shaft, so that the linkage is engaged each time the throttle is opened.

Use the original throttle body vacuum advance tube and positive crankcase vent tube seen at bottom of picture.