

ZENITH-STROMBERG 2-BARREL

Courier Pickup (1972-73)

DESCRIPTION

Carburetor is a two stage, two venturi, downdraft design. Primary stage systems include curb idle, accelerator pump, idle transfer, main metering, and power enrichment. Secondary stage systems include idle transfer, main metering, and power enrichment. Choke operation is manual through cable actuation.

TESTING

SLOW FUEL CUT VALVE (THROTTLE SOLENOID)

Remove slow fuel cut valve from carburetor by unscrewing it from main carburetor body. Connect valve to battery. When current is applied to valve, valve stem should be pulled into body. If valve does not function properly, replace valve.

ADJUSTMENT

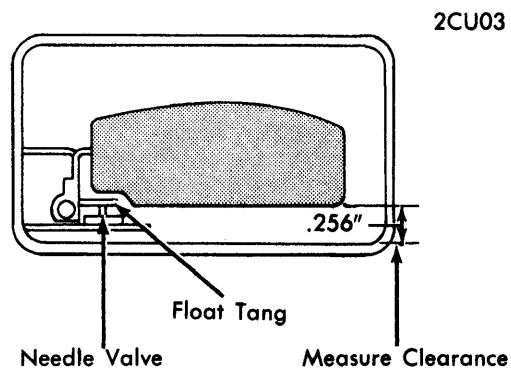
IDLE SPEED & FUEL MIXTURE

With transmission in neutral, start engine and allow it to reach operating temperature. Connect a tachometer to engine and set idle speed to specification on engine tune-up decal, using curb idle adjusting screw. Connect an exhaust gas analyzer, and turn idle mixture adjusting screw in or out to obtain CO% level on engine tune-up decal.

FLOAT LEVEL

With engine running, check fuel level in fuel bowl sight glass. If level is not to specified mark, remove carburetor from vehicle,

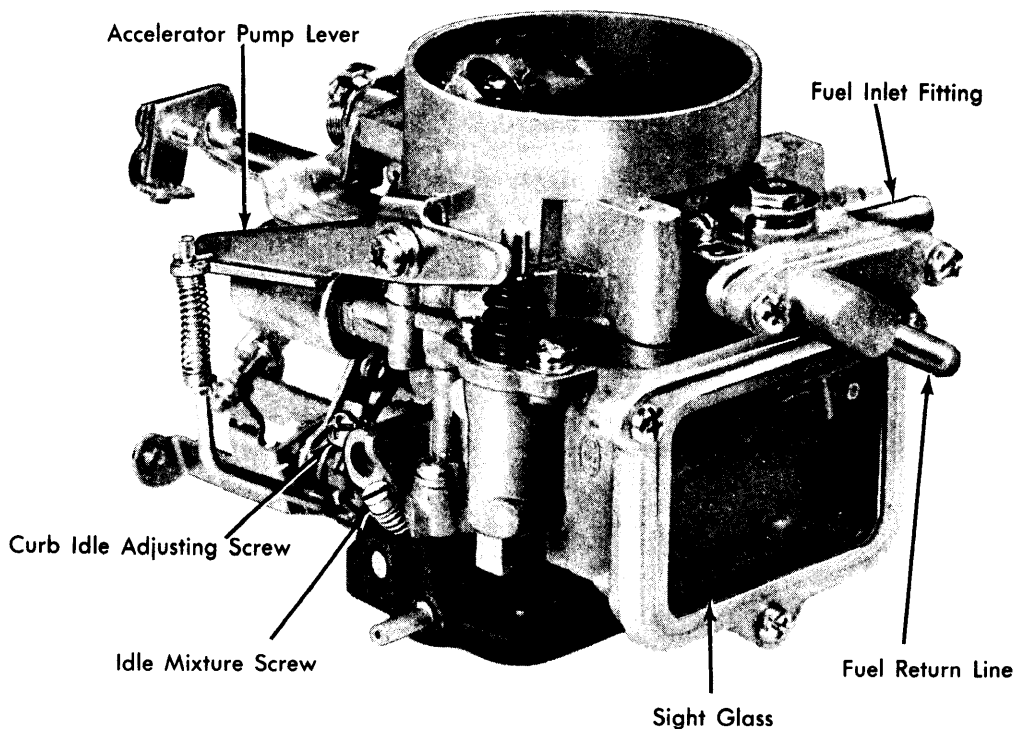
and remove fuel bowl cover. Invert carburetor and lower float until tang on float just contacts needle valve. Measure clearance between float and edge of bowl. Clearance should be .256". If clearance is not as specified, bend tang to achieve proper clearance.



FLOAT LEVEL ADJUSTMENT

CHOKE ADJUSTMENT

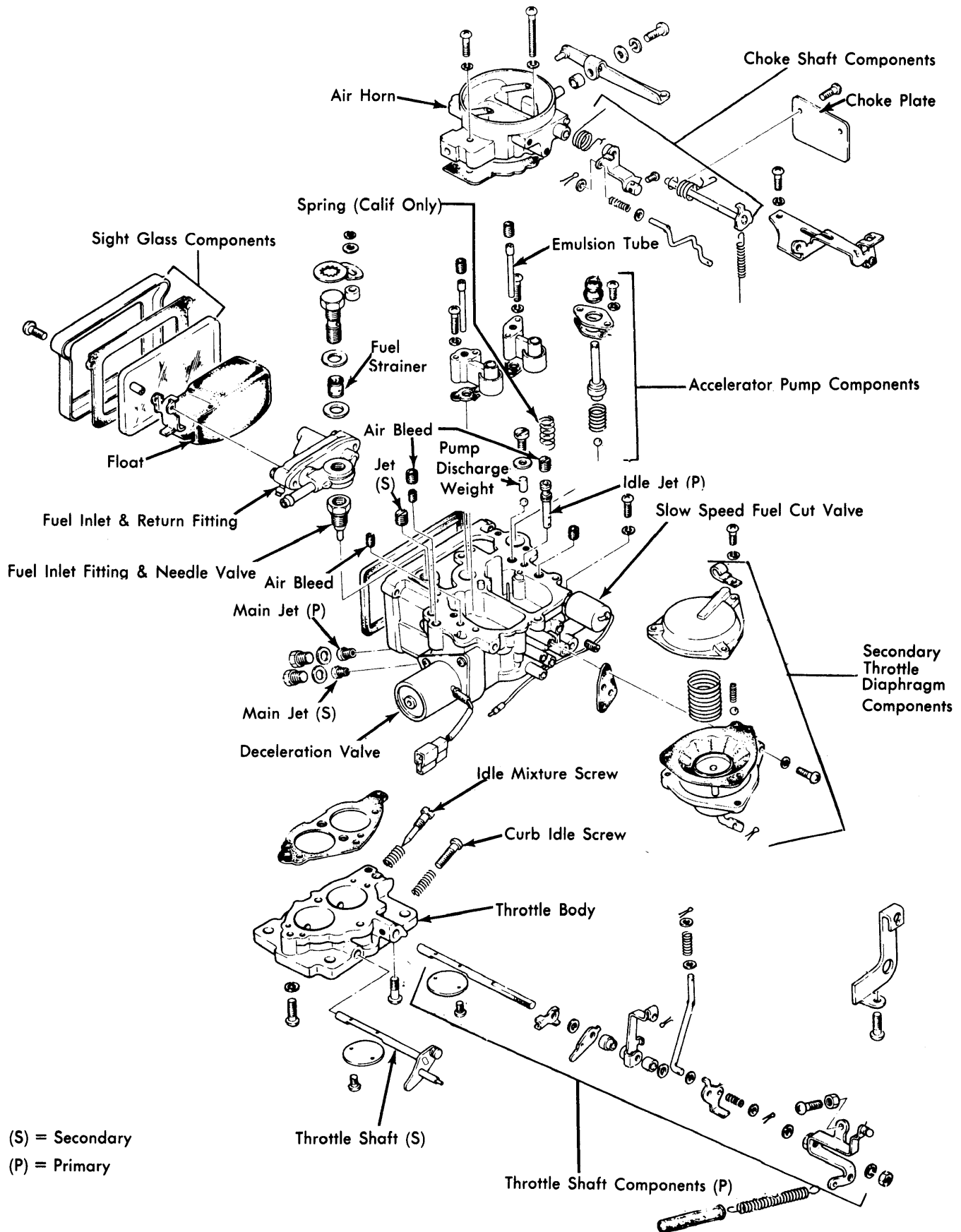
With choke knob pushed all the way in, loosen choke cable attaching screws at choke lever and choke cable bracket. Be sure choke plate is fully open. Insert choke cable into choke lever and tighten attaching screw. Pull cable outward to remove all slack between choke lever and choke cable bracket, then tighten attaching screws at bracket. Operate choke to be sure no binding exists in cable or choke plate.



ZENITH-STROMBERG 2-BARREL CARBURETOR

Zenith Carburetors

ZENITH-STROMBERG 2-BARREL (Cont.)



COURIER CARBURETOR EXPLODED VIEW

2CU02

ZENITH-STROMBERG 2-BARREL (Cont.)

OVERHAUL

1) Disconnect accelerator pump connecting rod from pump lever, then remove pump lever. Remove choke cable support bracket. Disconnect fast idle rod from fast idle lever. On California vehicles, remove deceleration valve assembly. Disconnect lead at quick-disconnect.

2) Disconnect accelerator pump diaphragm rod from secondary throttle shaft. Remove accelerator pump diaphragm and cover assembly from main body, then remove throttle solenoid. Remove fuel inlet bolt lock assembly, then remove air horn from main body.

3) Remove fuel inlet and needle valve assembly, then remove fuel bowl sight glass and float assembly. Remove accelerator

pump assembly, invert carburetor and remove inlet check ball. Remove retaining screw, and remove pump discharge weight and check ball. Remove idle jets, main jets, air bleeds and power valve from main body.

4) Remove curb idle and idle mixture adjusting screws from main body, and remove primary and secondary discharge nozzles. Remove air bleed screws from discharge nozzles and remove air emulsion tubes. Separate lower body from main carburetor body. Remove primary and secondary throttle shaft assemblies from throttle body.

5) To assemble, reverse removal procedure and note the following: When installing throttle shaft assemblies, make sure all parts operate smoothly with no binding. When installing accelerator pump plunger spring, make sure spring ear seats in slot in bottom of plunger bore.