

SOLEX 34 PBISA-4 1-BARREL

Peugeot 304 (1971-72)

DESCRIPTION

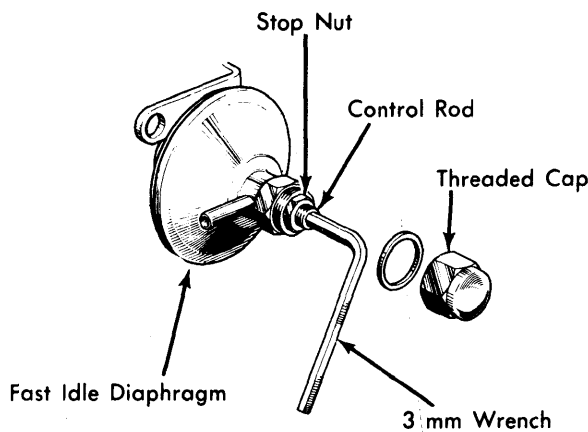
Carburetor is a 1-barrel carburetor of conventional downdraft design. It is equipped with a butterfly type choke valve and a diaphragm type accelerator pump. A fast idle system provides for a higher idle speed during periods of deceleration operation at speeds greater than 22 MPH. A dashpot is also provided to hold the throttle valve slightly open during idle or deceleration.

ADJUSTMENT

NOTE — Engine should be at normal operating temperature, and regulator feed should be disconnected during the adjustment of the idle or fast idle RPM.

IDLE ADJUSTMENT

- 1) Turn throttle stop screw to achieve idle of 850 RPM and then turn mixture screw to achieve maximum engine speed. Turn throttle screw again to return idle to 850 RPM.
- 2) Now turn mixture screw to achieve maximum engine speed. Repeat operations until idle of 850 RPM is the maximum speed which can be obtained through variation of the mixture screw. When operations are completed, turn mixture screw to obtain a final idle speed of 800 RPM. Now set fast idle RPM.



2PE01

FAST IDLE ADJUSTMENT

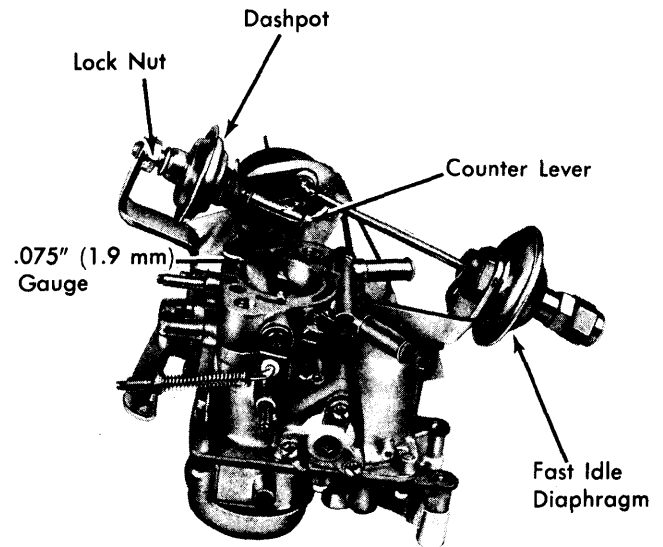
FAST IDLE ADJUSTMENT

- 1) Disconnect 3-pin connector from electronic control box. This will yield the "fast idle" position. Remove threaded cap from fast idle diaphragm and loosen locknut.
- 2) Adjust stop nut using a 3 mm allen wrench on control rod. Obtain speed of 1300 RPM and then tighten locknut and reconnect 3-pin connector.
- 3) After a few moments, RPM will stabilize and return to 800 RPM. Reconnect regulator supply lead and check operation of fast idle system.

DASH POT ADJUSTMENT

NOTE — Carburetor must be removed from engine before attempting to adjust the dashpot.

- 1) Remove air filter and disconnect accelerator cable. Disconnect choke control, vacuum pipe and fuel inlet. Unscrew mounting nuts and remove carburetor.
- 2) Loosen dashpot locknut and use suitable gauge or rod to hold throttle open .075" (1.9 mm). Adjust dashpot so that rod is just touching counter lever on accelerator control.
- 3) Tighten locknut and replace carburetor, reversing removal procedure.



2PE02

DASHPOT ADJUSTMENT

CARBURETOR SPECIFICATIONS

Choke Tube	26
Main Jet	132.5 ± 2.5
Correction Jet	150
Emulsion Tube	E2 04
Idler Jet	55
Idling Calibration	180
Pump Injector	40
Needle Valve	1.5
Float Weight	5.7g