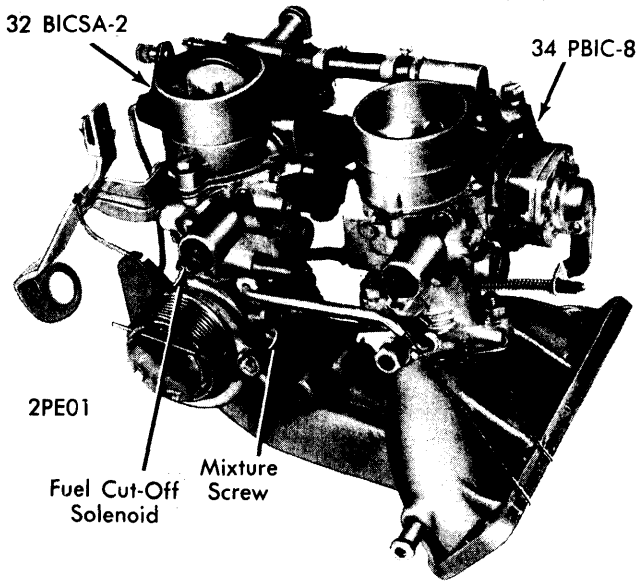
SOLEX 32 BICSA-2 & 34 PBIC-8 1-BARREL

Peugot 504 (1972-73)

DESCRIPTION

Two 1-barrel carburetors are used together to form a compound carburetion system. Only the primary carburetor (32 BICSA-2) is equipped with a butterfly type choke valve, however, each carburetor is equipped with a diaphragm type acceleration pump. Both carburetors have a solenoid fuel shut off which prevents engine dieseling by cutting off the fuel supply when the ignition is turned off. Linkage between the carburetors allows the throttle valve of the secondary carburetor (34 PBIC-8) to begin opening at 1/3 throttle of the primary carburetor (32 BICSA-2). System is equipped with a fast idling control for exhaust emission control purposes.



SOLEX 32 BICSA-2 & 34 PBIC-8

ADJUSTMENT

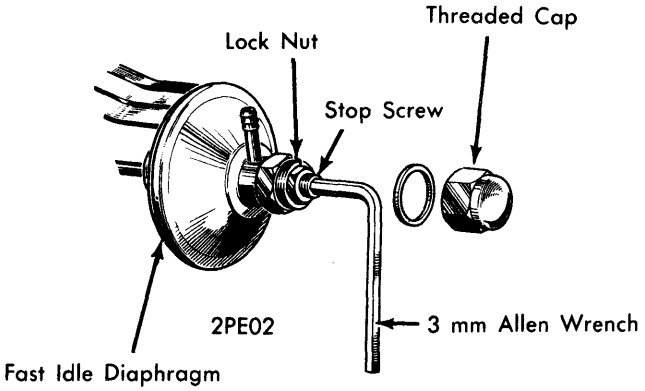
IDLE ADJUSTMENT

NOTE — Idle adjustment should be accomplished by setting the adjustment screws on the primary (32 BICSA-2) carburetor only. The setting of the secondary (34 PBIC-8) should not be altered.

1) With regulator feed wire disconnected (to eliminate engine speed fluctuation due to the alternator) and engine at normal operating temperature, adjust idle speed.

2) Adjust throttle stop screw on primary carburetor to obtain 800 RPM. Turn mixture screw until engine speed is stable and then loosen mixture screw 1 turn.

3) Turn throttle stop screw to obtain 830 to 880 RPM and then turn mixture screw in to obtain a final idle speed of 800 to 850 RPM.



FAST IDLE ADJUSTMENT

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1) Disconnect 3-pin connector from electronic control box of Coppolair system. This should yield the fast idle speed of 1400 RPM. If 1400 RPM is not achieved, adjust fast idle diaphragm.

2) Remove threaded cap on diaphragm and loosen locknut. Adjust stop screw with 3 mm allen wrench to obtain 1400 RPM. Tighten locknut and replace threaded cap. Reconnect 3-pin connector. After a few moments the idle should drop to 800 RPM and stabilize.

3) Reconnect regulator feed wire and check the operation of the fast idle.

COMPONENT IDENTIFICATION NUMBERS

Application	1972		1973	
	32 BICSA-2	34 PBIC-8	32 BICSA-2	34 PBIC-8
Venturi	24	24	24	24
Main Jet	117.5±2.5	112.5±2.5	122.5±2.5	122.5±2.5
Correction Jet	210	130	180±5	210±5
Emulsion Tube	135	17	136	137
Idle Electrovalve	55	50	55	50
Idle Jet (Choke)	120	210	120	210
Idle Air Jet	90	---	90	---
Pump Injector	40	50	40	50
Main Jet Cap	3.2	3.2	3.2	3.2
Vacuum Jet	0.55	---	---	---
Pump Stroke	1.5±.5mm	6±.5mm	3.5±.5mm	6±.5mm
Air Bleed (2)	130	110	130	110
Econostat	---	---	---	90
Needle Valve	1.2	1.5	1.2	1.5
Float	5.7g	5.7g	5.7g	5.7g