

Solex Carburetors

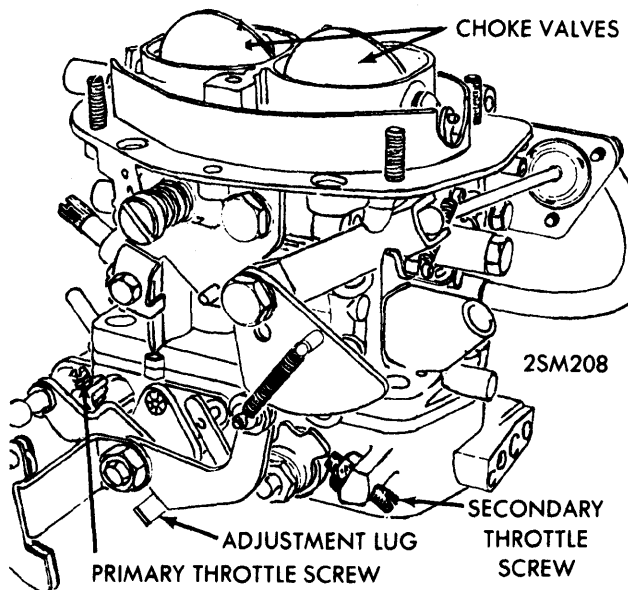
SOLEX 32-32 SEIEMA 2-BARREL

Renault 12 (1971-72)

Manual Trans. Mark 506
Automatic Trans. Mark 522

DESCRIPTION

The Solex 32-32 SEIEMA carburetor is of 2-barrel, downdraft design. Both barrels are equipped with butterfly type choke valve and a diaphragm type accelerator pump feeds only the primary barrel of the carburetor. The carburetor is equipped with throttle screws on both the primary and secondary barrels. Both of these screws are set at the factory. **CAUTION:** Do not alter setting of these screws. For exhaust emission purposes, carburetor is fitted with a "Fast Idling System", which reduces the production of carbon monoxide and unburned hydrocarbons in the exhaust gas.



THROTTLE SCREWS & THROTTLE LINKAGE

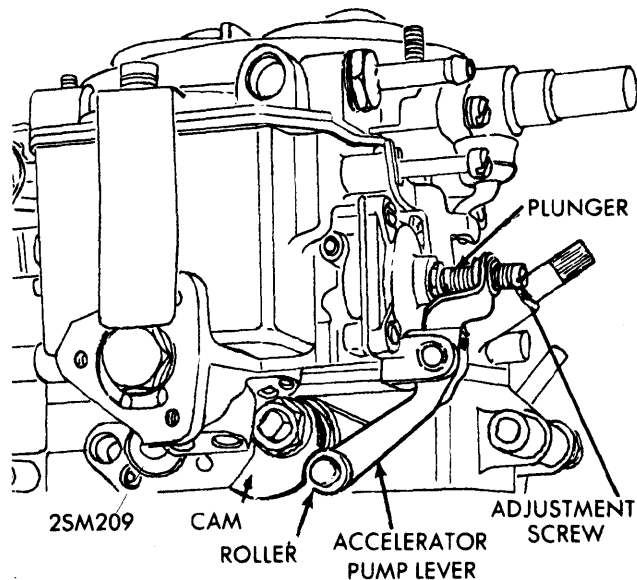
ADJUSTMENT

PRIMARY BARREL INITIAL THROTTLE OPENING

Close both choke flaps and check the initial throttle opening by placing a piece of .043" rod between throttle and carburetor body bore. If setting is incorrect it may be adjusted by bending lug on throttle lever.

ACCELERATOR PUMP STROKE

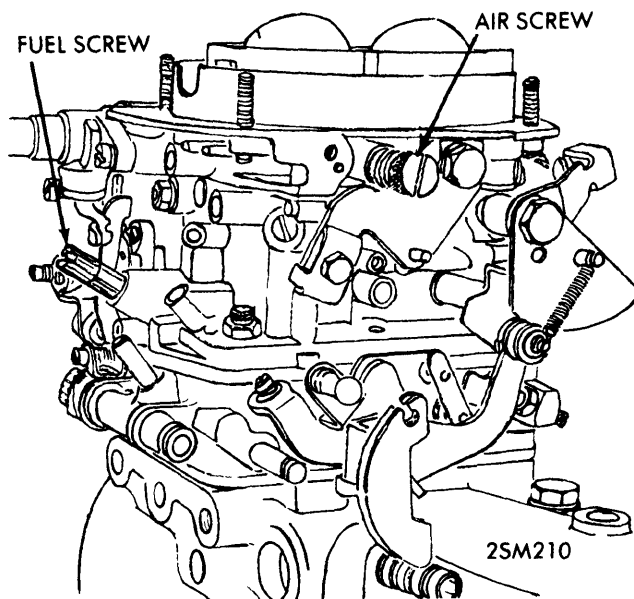
The maximum pump stroke is determined by the operating cam on the throttle lever. To adjust, place throttle in idle position and bring the roller on accelerator pump lever in contact with cam on throttle lever. Turn adjusting screw on accelerator pump lever in or out until it just makes contact with accelerator pump plunger, then turn screw in 1/2 -1 turn more.



ACCELERATOR PUMP

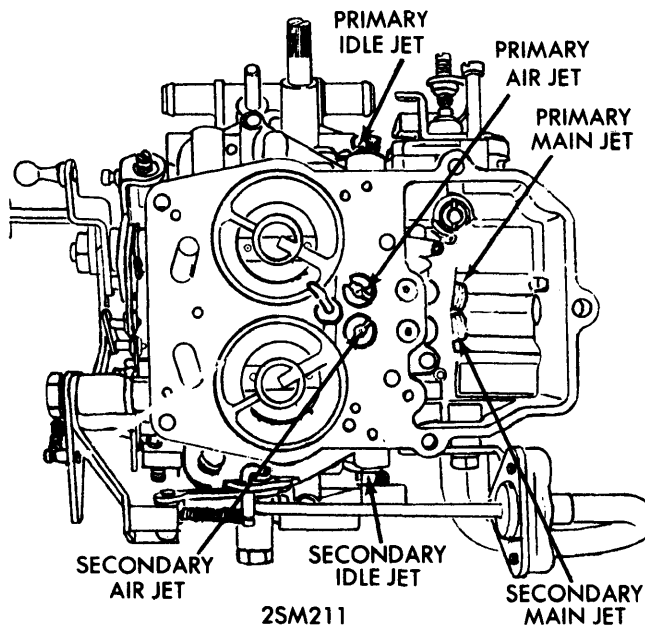
IDLE ADJUSTMENT

- 1) Make sure that engine is at normal operating temperature before beginning adjustments, then turn air screw to obtain an engine speed of 700 RPM (Man. Trans.) or 625 RPM (Auto. Trans.).
- 2) Turn fuel screw until highest engine RPM is obtained. Repeat adjustments until maximum RPM obtained when turning fuel screw is 700-725 (Man. Trans.) or 625-650 (Auto. Trans.).
- 3) Turn fuel screw in to lean out mixture until a drop of 20-25 RPM is achieved without upsetting smooth running, and keeping the CO% at 2%. Idle speed should be between 675-725 RPM (Man. Trans.) or 600-650 RPM (Auto. Trans.).

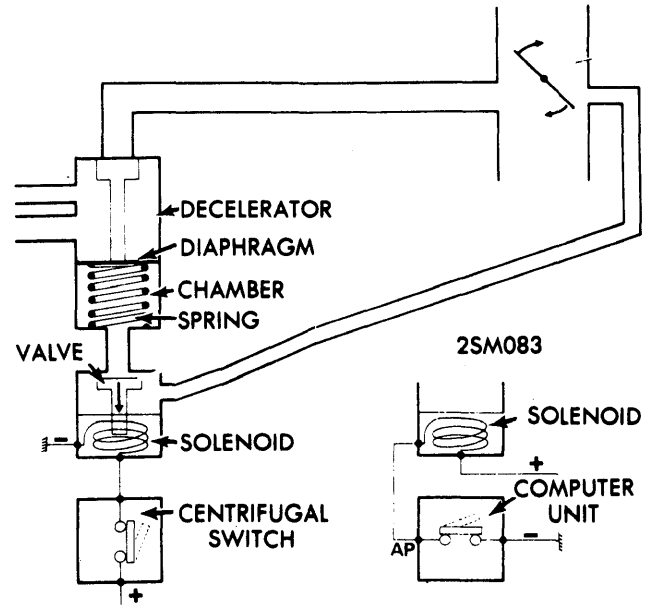


IDLE ADJUSTMENT

SOLEX 32-32 SEIEMA 2-BARREL (Cont.)



JET & COMPONENT LOCATION



FAST IDLE SYSTEM SCHEMATIC

NOTE - Fast idling system for exhaust emission control should be adjusted after normal idle has been adjusted.

Fast Idle Adjustment - 1) The decelerator is fitted with an air screw and fuel screw. The solenoid flap valve must be electrically actuated to allow decelerator to operate before further adjustments are made.

2) On manual transmission, disconnect grey wire (+) on solenoid flap valve and tape the connector. Connect a jumper wire between the terminal and the (+) terminal of the ignition coil.

3) On automatic transmission, disconnect pink (-) wire on solenoid flap valve and then connect jumper wire between pink wire and ground.

4) With solenoid flap valve actuated, turn air screw to obtain an engine speed of 1400-1500 RPM. Check that CO level is 2%. If CO level incorrect, turn fuel screw to achieve specified RPM and CO level.

CARBURETOR SPECIFICATIONS

	Primary Barrel	Secondary Barrel
Choke Tube		
Mark 506	23	24
Mark 522	23	24
Main Jet		
Mark 506	117	155
Mark 522	115	167.5
Air Jet		
Mark 506	140 N 3	130 N 3
Mark 522	140 N 3	130 N 3
Idling Jet		
Mark 506	50	80
Mark 522	52.5	80
Accelerator Pump Jet		
All	45	1