

1982 Weber Carburetors

WEBER 32 DIR 2-BARREL

Renault Le Car

DESCRIPTION

The Weber 32 DIR carburetor is a 2-barrel downdraft type. The carburetor base is heated by engine coolant flowing through it.

The California model has a fuel feedback system, a fast idle (throttle opener) system, a dashpot, an idle cut-off system, an electromagnetic vent cut-off valve, and a cold start system (manual choke).

The Federal model has a throttle plate opener, an electromagnetic vent valve, idle cut-off and manual choke, but has no dashpot or fuel feedback system.

CARBURETOR IDENTIFICATION

Application	Carb. No.
Le Car	
California	32 DIR 80
Federal	32 DIR 87

ADJUSTMENTS

NOTE: For all on-vehicle adjustments not covered in this article, see appropriate TUNE-UP SERVICE PROCEDURES article.

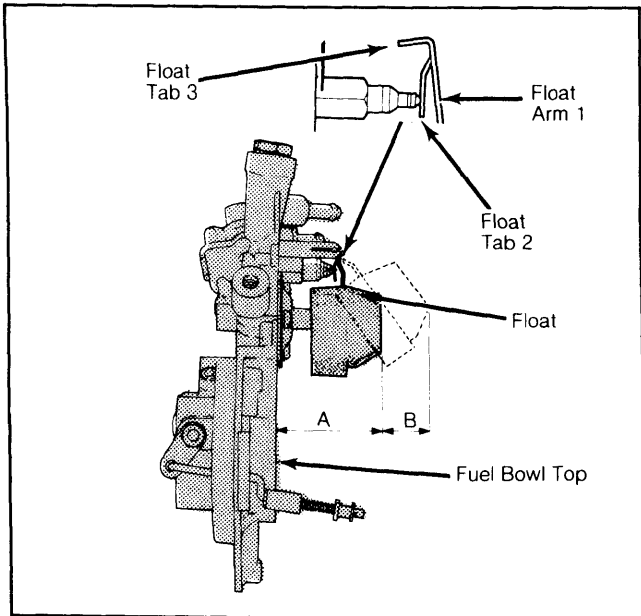
FLOAT LEVEL & FLOAT DROP (TRAVEL)

California Models

1) Hold the fuel bowl top vertically with its gasket in place so that the float weight closes the needle without pushing the ball inward.

2) Check dimension "A" in Fig. 1 against specifications.

Fig. 1: Float Level & Drop (Travel) Adjustment



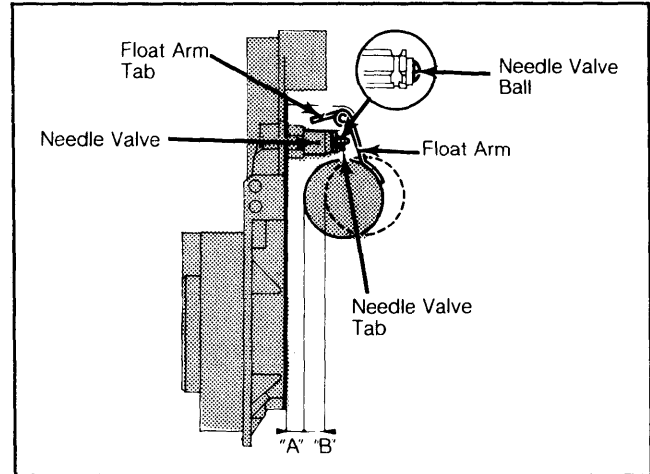
California models.

3) To adjust, bend float arm "1" until inner tab "2" resting against needle, is perpendicular to needle. Tab "3" should permit float travel (dimension "B") as noted in specifications.

Federal Models

1) Remove float bowl and hold top in vertical position. See Fig. 2. Allow weight of float to close needle without allowing ball to enter valve.

Fig. 2: Float Level & Drop (Travel) Adjustment



Federal models.

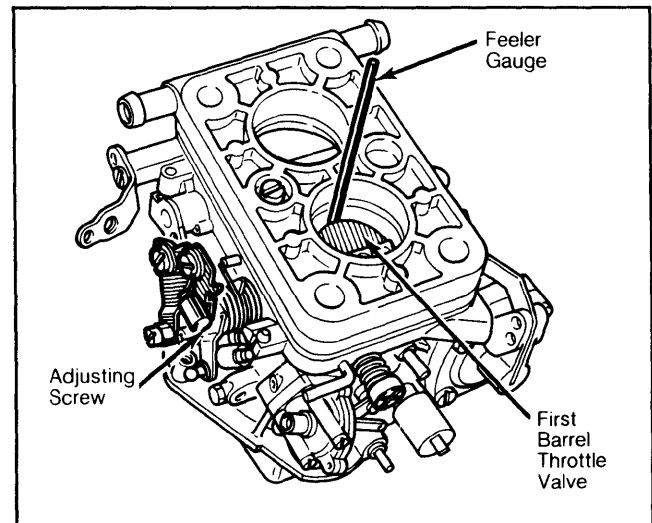
2) Measure dimension "A" in Fig. 2 to check float level. If necessary, adjust by bending float arm. Measure dimension "B" for float drop or travel. If necessary, adjust float tab.

INITIAL THROTTLE VALVE OPENING

1) Put choke lever in cold start position. Measure initial opening of first barrel throttle, using feeler gauges.

2) To adjust, remove plastic cap and turn adjusting screw until specification is reached. See Fig. 3. After adjustment, tighten lock nut (if equipped) and install new plastic cap over adjusting screw.

Fig. 3: Initial Throttle Valve Opening Adjustment



California models shown; Federal models similar.

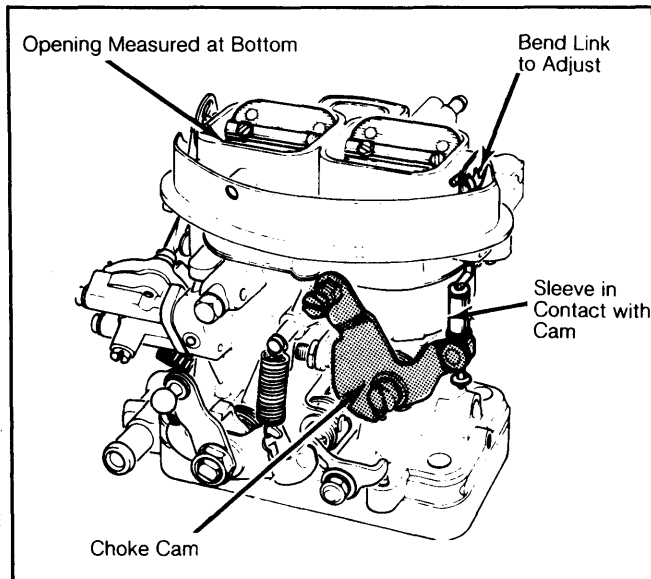
WEBER 32 DIR 2-BARREL (Cont.)

INITIAL CHOKE VALVE MECHANICAL OPENING

1) With choke valve fully closed, push on sleeve until it contacts cam lever. Measure opening at bottom of choke valve.

2) Measurement should be as noted in specifications. If adjustment is needed, bend link as shown in Fig. 4.

Fig. 4: Initial Choke Valve Mechanical Adjustment



Federal models shown; California models similar.

INITIAL CHOKE VALVE VACUUM OPENING

California Models

1) Place choke lever in cold start position. Push in diaphragm link until it is against stop. Measure initial opening of choke valve on the large section side. Measure at bottom of valve.

2) Remove brass cap from adjusting screw by drilling a .118" (3 mm) hole and then inserting a screw in cap hole and lifting it off. Turn screw, as necessary, to obtain specified valve vacuum opening.

Federal Models

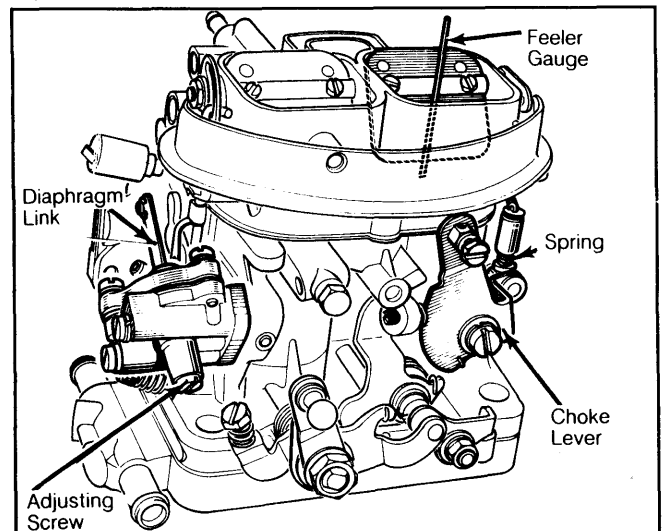
1) Push diaphragm link in as far as possible. Close choke valves with choke lever until spring on link is slightly compressed. Measure opening at bottom of choke valve.

2) Measurement should be as specified. If adjustment is needed, remove screw from end of diaphragm and turn set screw until choke valve vacuum opening is correct.

CARBURETOR ADJUSTMENT SPECIFICATIONS

Application	Float Level In. (mm)	Float Drop In. (mm)	Choke Valve (Vacuum) In. (mm)	Choke Valve (Mechanical) In. (mm)
Calif. (DIR 80)	1.50 (38.0)	.315 (8.0)	.393 (10.0)	.250 (6.5)
Federal (DIR 87)	.276 (7.0)	.315 (8.0)	.354 (9.0)	.236 (6.0)

Fig. 5: Initial Choke Valve Vacuum Adjustment



California models.

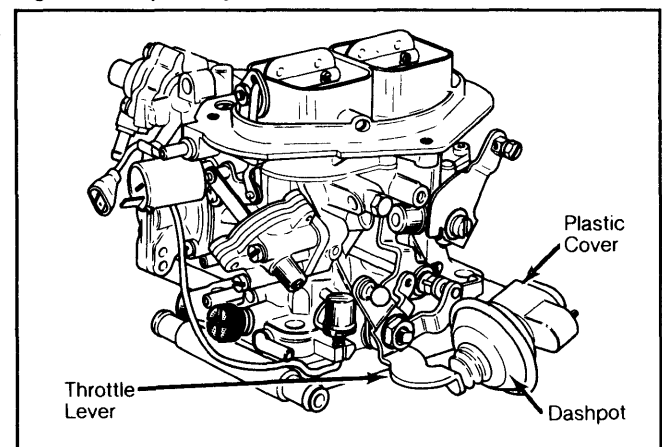
DASHPOT ADJUSTMENT

California Models Only

1) Install .059" (1.5 mm) feeler gauge as shown in Fig. 3 to maintain the initial opening of the first barrel throttle plate.

2) Cut plastic cover off dashpot assembly to gain access to adjustment screw. Position dashpot so that it just contacts the throttle lever. See Fig. 6.

Fig. 6: Dashpot Adjustment



California models only.

3) Install new cover, and lock it in place by driving pin in dashpot bracket hole provided for locking purposes.