

# 1974-79 FUEL SYSTEMS

## Weber DATRA, DHTA & DMTR 2-Barrel Carburetors

Fiat: Strada, X1/9, 128

Lancia: 1977-78 Beta

### CARBURETOR IDENTIFICATION

#### 1978 CARBURETOR IDENTIFICATION NUMBERS

Application	Number
Fiat 128	
W/O Catalytic Converter .....	32 DATRA 11/100
With Catalytic Converter .....	32 DATRA 14/100
Fiat X1/9	
W/O Catalytic Converter	
W/O Air Conditioning .....	32 DATRA 201
With Air Conditioning .....	32 DATRA 101
With Catalytic Converter	
W/O Air Conditioning .....	32 DATRA 10/200
With Air Conditioning .....	32 DATRA 10/100
Lancia	
Scorpion .....	32 DATRA 9/101
All Others .....	32 DATRA 13/100

#### 1979 CARBURETOR IDENTIFICATION NUMBERS

Application	Number
Strada	
Federal	
Man. Trans. ....	28/30 DHTA 5/179, 5/279
Auto. Trans. ....	28/30 DHTA 6/179, 6/279
Calif.	
Man. Trans. ....	28/30 DHTA 8/179, 8/279
Auto. Trans. ....	28/30 DHTA 9/179, 9/279
X1/9	
Federal	
W/O Air Conditioning .....	28/30 DHTA 7/279
With Air Conditioning .....	28/30 DHTA 7/179
Calif.	
W/O Air Conditioning .....	28/30 DHTA 10/279
With Air Conditioning .....	28/30 DHTA 10/179

### DESCRIPTION

Carburetor is 2-barrel downdraft design. This unit uses a diaphragm type accelerator pump, a crankcase ventilation device, carbon monoxide idling control device, excess fuel recycling device (from carburetor to fuel tank), anti-dieseling solenoid and a dashpot.

A choke unloader is used to prevent excessively rich mixtures when cold starting. This system operates both by vacuum and mechanical lever and spring action. Also featured is a coolant-heated automatic choke system.

### ADJUSTMENTS

#### IDLE SPEED & MIXTURE

See appropriate TUNE-UP PROCEDURES article.

#### COLD (FAST) IDLE RPM

See appropriate TUNE-UP PROCEDURES article.

#### FLOAT LEVEL

Remove air horn from carburetor. Hold air horn vertically and ensure gasket is in place. Weight of float should gently depress needle valve. Measure clearance between top of float and gasket surface. Clearance should be .236-.275" (6-7 mm). If adjustment is needed, bend float arm where it joins float.

#### FLOAT DROP

Hold air horn in upright position and allow float to hang down by its own weight. Measure clearance from gasket surface to top, leading edge of float. Clearance should be .590" (15.0 mm). If necessary, bend float drop tang.

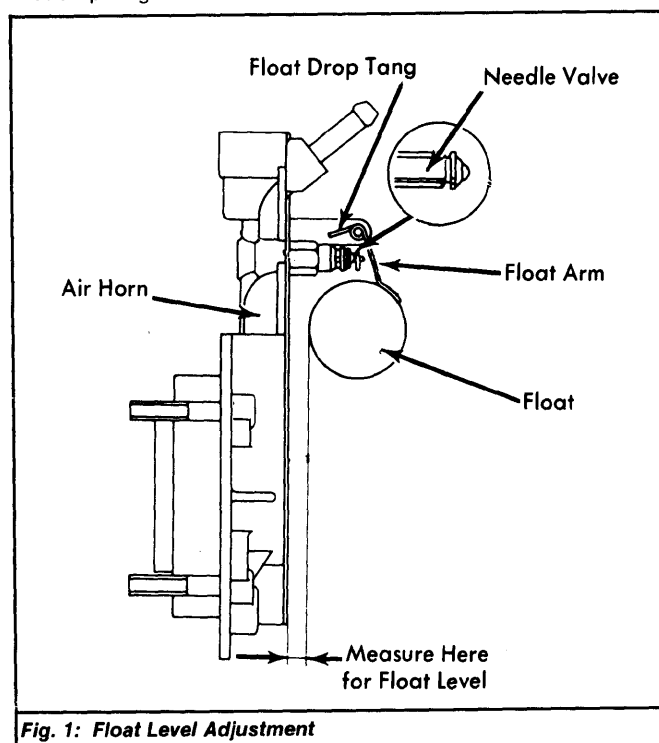


Fig. 1: Float Level Adjustment

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## Weber DATRA, DHTA & DMTR 2-Barrel Carburetors (Cont.)

### OVERHAUL

#### DISASSEMBLY & REASSEMBLY

Information not available from manufacturer. Use exploded view of carburetor as a guide See Fig. 2.

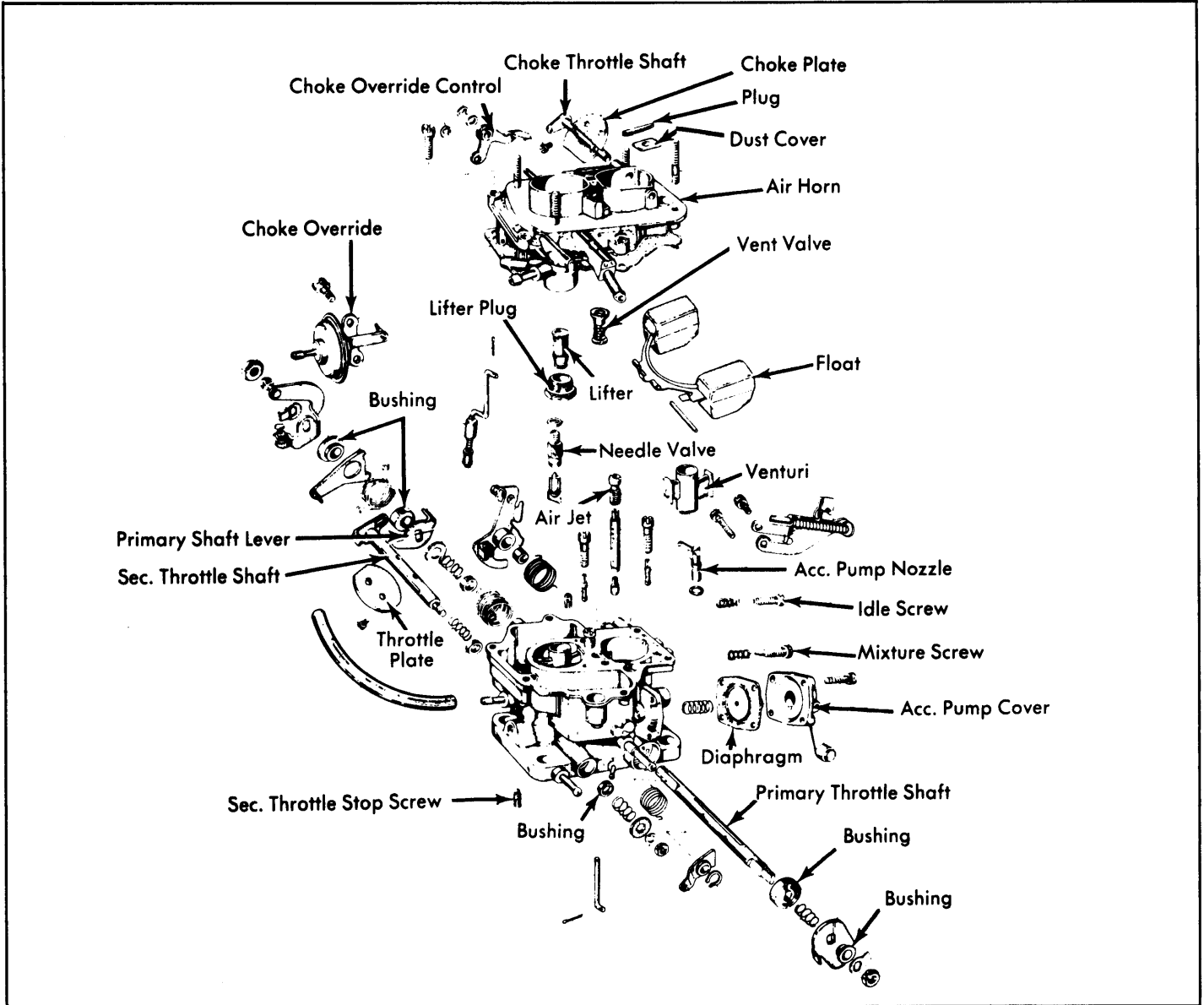


Fig. 2: Exploded View Of Weber DATRA 2-Barrel Carburetor