

Weber Carburetors

WEBER DDC & DDE TYPE 2-BARREL

Citroen (1962-70)

DESCRIPTION

Weber DDC & DDE types are two barrel down draft carburetors with cable operated flap valve type chokes. Some models have an accelerated idle device for engine braking that operates when brakes are applied.

ADJUSTMENT

Slow Running Adjustment

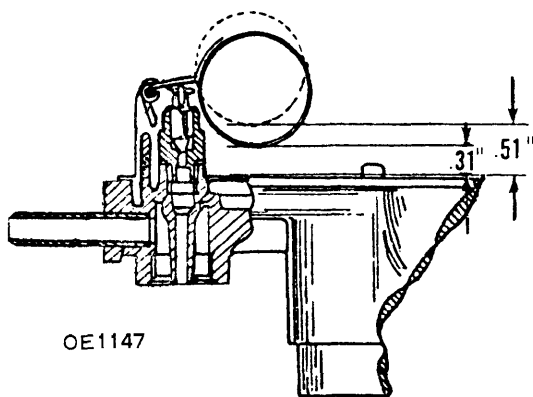
Turn idle speed screw $1\frac{3}{4}$ turns clockwise from first point of contact with sector. Turn idle mixture screw $1\frac{1}{2}$ turn out from a fully closed position.

Accelerated Idle Device Adjustment

With engine idling at operating temperature, screw in fully, without forcing, accelerated device adjusting screw (see illustration). Adjust engine idle using idle speed screw to 550 RPM. Adjust idle mixture screw for maximum and smoothest idle. Slowly readjust idle speed to 600 RPM. Now adjust accelerated idle screw for a 875-925 RPM idle. With brakes applied idle should drop back down to original 550-600 RPM.

Float Level Adjustment

24/32 DDC - Turn carburetor cover top side down; in this position the float tab must be in light contact with the needle valve. The float must be $.31$ " (8mm) away from cover surface with gasket applied. After leveling, check that float travel is $.20$ " (5mm). If necessary adjust position of tab making sure that tab is always in light contact with the needle. Check that float also travels freely on its axis.



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FLOAT LEVEL ADJUSTMENT DDC

28/36 DDE - Turn carburetor cover top side down; distance between float and cover gasket must be $.19$ " (4.75 mm); if not, obtain proper clearance by bending float tab. Float tab must always be in light contact with needle valve. Turn cover top side up; float drop should be $.45$ " (11.5mm) with gasket applied.

Throttle Plate Adjustment

Check adjustment with throttle closed. When the gap between lower edge of throttle plate and carburetor throat does not equal $.059$ "-. $.063$ " (5mm) it is due to deformation of throttle connecting rod. Adjustment is made by bending connecting rod at existing bend at top.

Disassembly

Remove filter trap and clean filter gauze. Remove lower throttle rod clip and free throttle rod. Loosen cover screws and carefully lift off cover. Remove needle valve assembly and gasket, remove cover gasket, float and float pin.

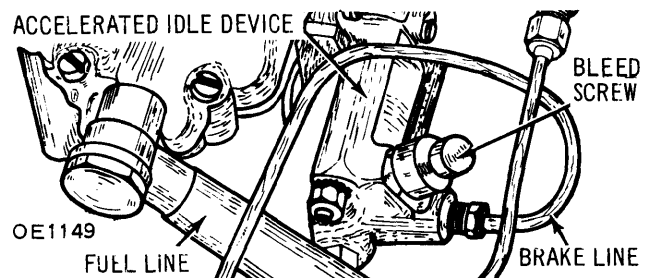
Remove emulsion tubes and corrector jets. Remove accelerator pump and pump jet. Remove all external jets and plugs and clean passages with compressed air. On 24/32 DDC carburetors remove sector box cover and clean and lubricate lightly gears and bushings.

Reassembly

Reassembly is in reverse order of disassembly using all new gaskets.

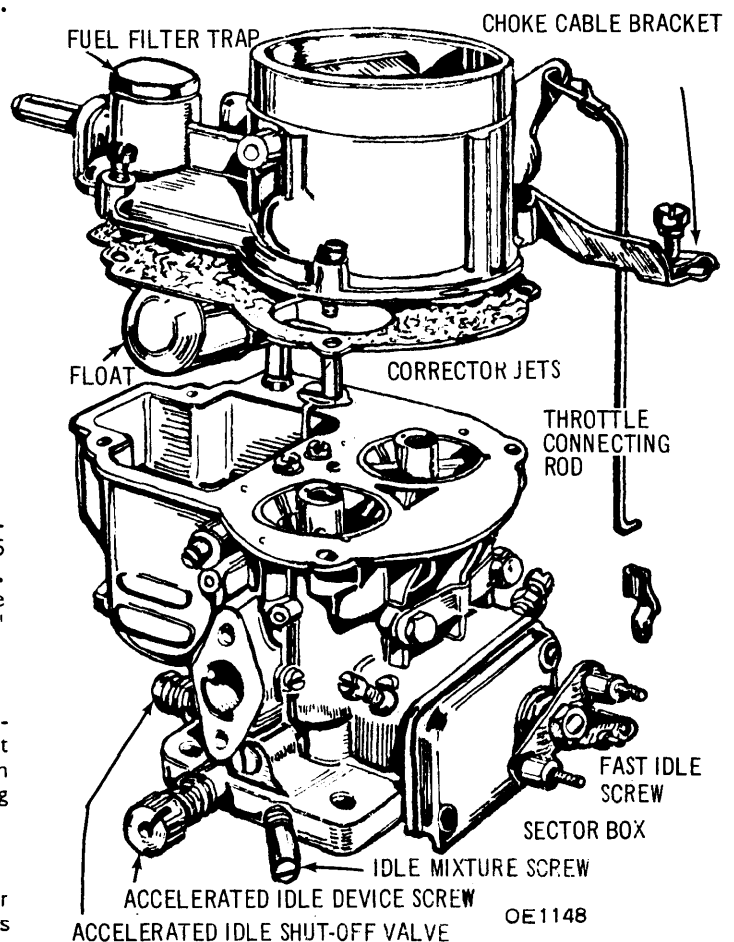
Replacement of Accelerated Idle Control

Release pressure in front brake system with bleed screw at rear of assembly. Remove brake pressure line and two attaching nuts; lift away from carburetor. To install reverse removal procedure, and bleed new device at bleed screw in rear. *NOTE* - In some cases it may be necessary to remove fuel line.



OE1149

ACCELERATED IDLE DEVICE



OE1148

WEBER CARBURETOR DDC