



**Application:** 1961-1974 Beetle, 1971-1974 Super, 1961-1974 Ghia,  
1961-1971 Bus, 1969-1978 Thing

## Universal VW Carburetor Rebuild Kit



### Tools Needed



### REMOVAL

Remove air cleaner. Detach fuel hose and vacuum hoses. Disconnect automatic choke and bypass air cut-off/electromagnetic pilot valve. Detach accelerator cable. Remove two carburetor securing nuts on intake manifold and lift off carburetor.

### DISASSEMBLY

Use the exploded view as a guide to disassemble the carburetor far enough to allow cleaning and inspection. To remove choke butterfly, file off the peened end of securing screws for easy removal. Mark linkage rods and levers so they can be re-turned to the same position.

### CLEANING

Soak carburetor parts in the carburetor cleaning solvent long enough to soften and remove all foreign material. Make certain throttle body is free of all hard carbon deposits. Blow out all passages in the castings with compressed air and check to insure all parts are clean.

**CAUTION:** Do not soak solenoids, switches, float, choke element, or rubber parts in cleaning solvent.

### REASSEMBLY

Use the reverse order of disassembly giving special attention to the following instructions:

#### STEP 1.

Make sure all jet orifices are clean and free of obstructions. Do not use wire or other objects to clean orifices.

#### STEP 2.

When installing the accelerator pump diaphragm and spring, be sure the larger end of the spring is seated in the carburetor body. Install the diaphragm with the plunger toward the pump cover.

#### STEP 3.

Check the float lever for a worn spot where it makes contact with the needle valve (D). Replace the float, if necessary, with part numbers:

111 129 391 A.....28 PICT, -1, -2 & 30 PICT-1  
113129 391 .....30 PICT-2, -3 & 34 PICT-3

#### STEP 4.

Proper needle & seat gasket must be used to set correct float level; use the following to determine the correct gasket:

311129 213 (1.0mm) .....28 PICT, -1,-2 & 30 PICT-1, -2  
113 129 213 A + 311 129 213 .....30 PICT-3  
(Combine 1.0mm + 0.5mm gasket)  
113 129 213 A (0.5mm).....34 PICT-3

*Continued >*



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**Universal VW Carburetor Rebuild Kit (cont.)****384-396****STEP 5.**

Check the choke element for damage to the thermostatic spring or heating element. Replace as necessary.

**STEP 6.**

When installing the choke element, carefully rotate the assembly counterclockwise being sure to look on the coil end engages with the lever on the choke shaft. Continue rotating approximately 1/8 turn more until index mark align, then tighten screws.

**INSTALLATION**

Install in the reverse order of removal. Torque securing nuts to 2.0 MKG (14 FT. LB.)

**IDLING ADJUSTMENT**

28 PICT, -1, -2 & 30 PICT-1, -2

Warm up engine; be sure automatic choke is fully open. Set idling speed to 850 RPM with the idling control screw. Turn C0 (mixture) adjusting screw clockwise until speed starts to drop, from this position, turn the C0 (mixture) adjusting screw counterclockwise until the engine runs fastest. If necessary, adjust the idling speed again to 800-900 RPM with the idling control screw.

30 PICT-3 & 34 PICT -4

Turn idling screw counterclockwise until there is clearance between the screw and the fast idle cam; then clockwise until the screw just touches the fast idle cam plus 1/4 turn. Turn C0 (mixture) adjusting screw clockwise until it stops; then counterclockwise 2 1/2 to 3 turns. Warm up engine; be sure automatic choke is fully open. Set idle speed to 900 RPM by turning the bypass air screw. Adjust to the highest idle speed by turning the C0 (mixture) adjusting screw; then turn clockwise until the engine drops by 20-30 RPM. Reset to the correct idle speed by turning the bypass air screw.

ALWAYS WEAR SAFETY GLASSES WHEN USING CLEANING SOLVENTS OR COMPRESSED AIR.

DON'T ALLOW CLEANING SOLVENT TO COME IN CONTACT WITH SKIN.

*See Page 3 for Diagram*

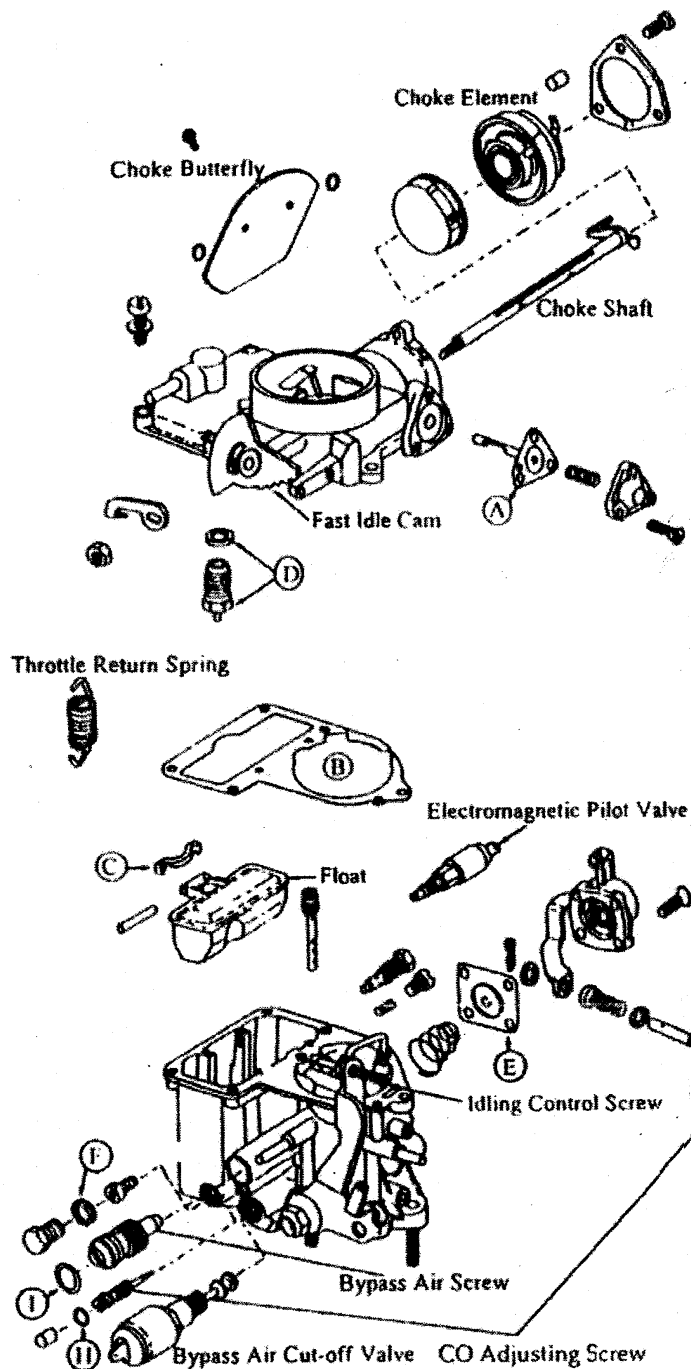
ITEM	PART NUMBER	DESCRIPTION	QTY.
A	113 129 221	Diaphragm, choke pull-off	1
B	113129 281	Gasket, carburetor top (28 PICT-1, 2130 PICT-1	1
	113129 281 B	Gasket, carburetor top (30 PICT-2)	1
	113129 281 C	Gasket, carburetor top (30 PICT -2)	1
	113129 281 D	Gasket, carburetor top (30 PICT-3)	1
	036129 281 A	Gasket, carburetor top (34 PICT-3)	1
C	113129 397	Lug, carburetor float	1
D	111129201	Valve, needle & seat	1
	113129213A	Sealing washer, needle valve, aluminum (15 x 12 x 0.5mm)	1
	311129 213	Sealing washer, needle valve, aluminum (15 x 12 x 1.0mm)	1
E	113129451 A	Diaphragm, accelerator pump	1
F	111129409	Sealing washer, jet holder (10 x 13.5mm)	1
G	311129409	Sealing washer, jet plug (11 x 14.8mm)	1
H	055129430 B	"O" Ring, C0 (mixture) adjusting screw	1
I	113129430 A	"O" Ring, bypass air screw	1
Not Pictured	N 013 7761	Gasket, carburetor base (28/30mm)	1
Not Pictured	113129 707 A	Gasket, carburetor base (34mm)	1



Universal VW Carburetor Rebuild Kit (cont.)

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30 PICT-2, -3 & 34 PICT-3



28 PICT, -1, -2 & 30 PICT-1

