



# Weber 2 BBL Downdraft Conversion Instructions

**NOTE:** This product has been specifically designed for off highway use. Since the installation of this product may either impair your car's emission control performance or be uncertified under current motor vehicle safety standards, it should not be installed on any vehicle used for street or highway driving. For best results, please read these instructions thoroughly, step by step, before starting installation.

## 2002

### PART NUMBERS:

BAS 2BBLM      2002 Manual Choke  
 BAS 2BBLA      2002 Auto Choke

### PARTS INCLUDED:

**Manual Choke:** (1) Weber Carb, (1) Air Filter with mounting hardware, (1) Can filter oil, (1) Linkage rod, (1) Linkage clip, (2) Vacuum plugs, (4) 12mm nuts and wave washers, (1) Oil breather sock and clamp, (1) Fuel filter, (1) Fuel line, (4) Clamps, (1) Choke cable, (1) Base plate gasket, (4) Hose clamps

**Automatic Choke:** (1) Weber Carb, (1) Air filter with mounting hardware, (1) Can filter oil, (1) Linkage rod, (1) Linkage clip, (2) Vacuum plugs, (4) 12mm nuts and wave washers, (1) Oil breather sock and clamp, (1) Fuel filter, (1) Base plate gasket, (1) 2' 7mm line and (1) 2' 5mm line, (4) Hose clamps, (1) Alternate choke housing

### PROCEDURE:

1. Disconnect battery.
2. Remove air filter housing.
3. Remove all wires and hoses from carburetor.
4. Disconnect linkage from carburetor. There is a small wire safety clip which goes through the linkage rod where it joins the carburetor. Pull this out with needle nose pliers. Get a good grip on the rod and pull it towards the rear of the car. You may need to use a screwdriver against the ball end of the rod and lever it out. It will pop off eventually if you apply enough force.
5. Remove air cleaner support brackets and reinstall nuts and bolts.
6. Remove dashpot. (Gold colored diaphragm mounted on rear - #4 cyl. - branch of intake manifold). Reinstall bolts.
7. Remove the 4-12mm head nuts at the base of the carb. and lift the carb. off the manifold. Drain the gas from the carb. and retain carb. Store or dispose of properly.
8. Place the plastic base plate gasket on the manifold.
9. Place the new Weber Carburetor on the manifold, linkage side toward firewall. Install the 4-12mm nuts and wave washers. Tighten the nuts evenly. **DO NOT OVER TIGHTEN.**



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10. In front of the carb., bolted to the intake manifold, there is a device called the reflow valve. There are two methods to deal with this.

**Method 1:**

One line runs down below the battery tray to a rigid fuel line which leads back to the gas tank. Cut to hose about two inches before it connects to the fuel line. Plug it with a suitable sized bolt and use a hose clamp to seal the bolt in the hose end.

- Remove reflow valve.
- Route fuel line from fuel pump to carb. inlet.

**Method 2:**

- Bend the mounting bracket so that it is nearly flat.
- Cut a piece of fuel line to fit between the outlet fitting of the reflow valve (points up) to the fuel inlet on the carb. to the reflow valve.

11. Install the fuel filter provided (note arrow indicating direction of fuel flow) in line between the fuel pump and carb.

12. **Choke Hook Up:**

**Auto Choke:** Hook up coolant hoses to choke housing\* on carb. Route hoses so that they won't interfere with linkage.

\*Use either the choke housing supplied on carb. or optional housing supplied, as required.

**Manual Choke:** See manual choke supplement.

13. Connect new linkage rod to carb. Secure at firewall end with original clip.
14. Have an assistant step on the gas pedal so you can check for full throttle actuation and complete return to idle at the idle screw, while holding choke flaps (moveable brass colored flaps at top of carb.) in vertical position. Adjust at top of threaded linkage rod if needed. Lubricate all linkage joints.
15. Lubricate oil breather sock with air filter oil and install sock on oil breather fitting on valve cover with clamp provided.
16. Remove existing air cleaner studs from carb. Small vice grips or pliers work well for this, and install new air cleaner gasket and bottom plate with bolts provided.
17. Spray air cleaner element liberally with air filter oil, install element and top cover of air cleaner. The air cleaner element should be cleaned and resprayed with each tune up.
18. EGR, on cars so equipped, must be left disconnected and all associated vacuum lines may be removed. Carbon canister must not be plugged. Leave it open to the atmosphere. A sticker on the hood or fender will detail these vacuum lines.
19. The hose from the carbon canister (big gray can with two fittings) to the intake manifold should be removed. Carbon canister must not be plugged. Leave it open to the atmosphere.
20. All remaining vacuum fittings on the intake manifold may now be plugged with vacuum plugs provided. NOTE: Air injections on 1975's and 1976's should be left operational, since unless it is defective it will not interfere with the running of your car. Simply leave the vacuum hose from the front (#1 cyl.) branch of the intake manifold connected to the gulp valve just below the intake manifold.
21. Distributor vacuum advance and retard connectors should be left disconnected.
22. Top off coolant.



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23. When you reach this stage, examine your work. Make sure you have hooked everything up correctly. Hook up the battery and start cranking the engine. It will take a few seconds for the gas to be pumped into the carb.
24. When the car starts, check for fuel leaks and coolant leaks.
25. Allow car to warm up, then adjust idle to 800-1000 RPM. Adjust mixture screw to best lean idle. For a more accurate setting of fuel mixture, you will have to go to a repair shop equipped with an infrared exhaust analyzer and have them set carb. to 2-3% CO at idle.

## Supplement for manual choke installation

### PROCEDURE:

1. Skip all steps referencing automatic choke installation.
2. Connect existing coolant hose from block to coolant fitting on intake manifold.
3. Remove dash panels under steering column.
4. Drill 1/2" hole.
5. Remove air cleaner support brackets and reinstall nuts and bolts.
6. Remove dashpot. (Gold colored diaphragm mounted on rear - #4 cyl. - branch of intake manifold). Reinstall bolts.
7. Remove the 4-12mm head nuts at the base of the carb. and lift the carb. off the manifold. Drain the gas from the carb. and retain carb. Store or dispose of properly.
8. Place the plastic base plate gasket on the manifold.
9. Place the new Weber Carb. on the manifold, linkage side toward firewall. Install the 4-12mm nuts and wave washers. Tighten the nuts evenly. **DO NOT OVER TIGHTEN.**

