

This is a guide to installing the high altitude kit for your WEN DF1100 or DF1100T 11,000-Watt Dual-Fuel Generator. This guide is best used in conjunction with the DF1100 manual, included as a physical copy with your unit and available on the WEN website page for the DF1100 (link [here](#)), by clicking “Click here to view the product manual”.

If at any point you need assistance, have questions, or want to order parts, call WEN customer service at 1-800-232-1195, M-F, 8-5 Central Time, or email techsupport@wenproducts.com.

If replacing any parts, use only genuine replacement parts purchased from WEN Products. Use of replacement parts not sold by WEN Products will void the product’s warranty and could lead to decreased performance or injury.

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TOOLS NEEDED

- A set of metric sockets
- Stubby screwdrivers (Phillips and flat-head)
- Rubber gloves
- A container to collect gasoline
- *Needle-nose pliers (optional)*
- *A magnetic pick-up tool (optional)*

ENSURE THAT THE ENGINE IS COOL BEFORE BEGINNING ANY MAINTENANCE OR REPAIR WORK. FOLLOW ALL SAFETY PROCEDURES LISTED IN YOUR OWNER’S MANUAL. USE COMMON SENSE. AVOID INJURY.

NOTICE: WEN PRODUCTS AND GREAT LAKES TECHNOLOGIES, LLC ALWAYS RECOMMEND THAT THE HIGH-ALTITUDE KIT FOR YOUR GENERATOR BE INSTALLED BY A QUALIFIED MECHANIC. REFER TO THE OWNER’S MANUAL INCLUDED WITH YOUR GENERATOR FOR MORE INFORMATION. WEN PRODUCTS AND GREAT LAKES TECHNOLOGIES, LLC SHALL NOT BE HELD LIABLE FOR ANY GENERATOR DAMAGE OR DECREASE IN PERFORMANCE, OR INJURY TO ANY PERSON, ARISING OUT OF ANY SITUATION IN WHICH A HIGH-ALTITUDE KIT IS NOT INSTALLED BY QUALIFIED PERSONNEL. CALL 1-800-232-1195 M – F, 8 – 5 CST FOR MORE INFORMATION. FOLLOW ALL APPLICABLE SAFETY PRECAUTIONS.

REMOVING THE OLD JET

NOTE: steps 1 – 9 are optional, and will give you more room to work. If you do not want to remove the air filter cover, go directly to step 10 on p. 3.

1. Shut off the generator and allow it to cool to ambient temperature before proceeding. Turn off the fuel valve to stop the flow of fuel from the gas tank. Refer to the instructions in your manual.

2. Remove the air filter cover and air filter elements, as instructed in your manual.

NOTE: there are two air filter elements. The coarse element is outermost, and the finer element innermost, as shown in Fig. 1 on the previous page.



Fig. 1: Air filter elements.

3. Remove the 6 nuts from the air filter cover studs as shown in Fig. 2 at right.

4. Remove the air filter screen from the rear of the air filter housing.

NOTE: you may need to **gently** pry the air filter screen off the housing using a flat-head screwdriver. Do not damage the screen. Refer to Fig. 3 below.

5. Remove the air filter screen from the rear of the air filter housing and set it aside.

6. Remove the 2 10mm nuts (revealed once the air filter screen is removed) from the carburetor studs.



Fig. 2: Remove the nuts from these studs.



*Fig. 3: Use a flat-head screwdriver to **gently** pry the air filter screen off, if necessary.*

7. Remove the 10mm nut from the rear mounting bracket on the back of the housing. See Fig. 4 below.



Fig. 4: Remove the nut.

8. Remove the cylinder head cover breather hose from the top of the air filter housing (it slides out). Move the hose clamp on the carbon tank breather hose and slide the hose off the fitting on the housing. Refer to Figs. 5 – 6 below.



Fig. 5: Remove cylinder head cover breather hose.

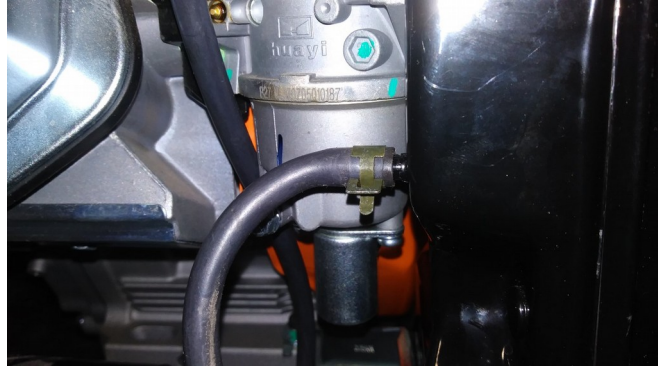


Fig. 6: Move hose clamp; remove carbon tank breather hose.

9. Remove the air filter housing from the generator. Don't forget to disconnect the hook on the housing from the rubber ferrule on the fuel line. See Fig. 7 below.



Fig. 7: Disconnect hook on rear of housing from ferrule.

10. Prepare an approved-gasoline storage container. Make sure the fuel valve is OFF. Drain the carburetor into the container, according to the instructions in the manual.

NOTE: now is a good time to put on some rubber gloves. There may be a small amount of gasoline remaining in the carburetor bowl, which could irritate skin. If gasoline comes in contact with skin, wash with warm, soapy water.

11. Use a stubby Phillips-head screwdriver to remove the two screws holding the solenoid valve to the bottom of the carburetor. A small amount of gasoline may leak out; this is normal. Refer to Fig. 8 below.



Fig. 8: Solenoid valve mounting screws.

12. **Gently** remove the solenoid valve from the bottom of the carburetor and let it hang near the recoil starter. Set the screws aside.

13. Remove the carburetor bowl bolt from the bottom of the carburetor. See Fig. 9 below.



Fig. 9: Carburetor bowl bolt.



Fig. 10: Carburetor jet.

14. Remove the bowl from the carburetor. Use the stubby flat-head screwdriver to unscrew and remove the primary jet from the main stem of the carburetor. Set it aside. See Fig. 10 above.

NOTE: the picture in Fig. 10 was taken with the carburetor removed entirely, but you do not need to remove the entire carburetor to replace the jet.

INSTALLING THE NEW JET

15. Install the new jet into the main stem of the carburetor. Install the new O-ring on the carburetor bowl bolt. Install the new bowl gasket around the rim of the carburetor bowl. Install the bowl on the carburetor. Make sure the port for the drain screw faces out, as shown in Fig. 11 below. Install the bowl bolt and tighten.

16. Re-install the solenoid valve. Do not tighten one screw all the way; rather, finger-tighten it, then finger-tighten the other screw, then tighten the first screw with a screwdriver, then the second. This will help it seat more effectively.



Fig. 11: Drain screw faces out.

17. If you removed the air filter housing, re-install the air filter housing. Don't forget to:

- Connect the hook to the rubber ferrule on the fuel line.
- Re-install the nut on the rear of the housing.
- Re-install the nuts on the carburetor studs.
- Re-install the breather hoses (and hose clamp).

18. Replace the air filter housing screen. Re-install the 6 nuts removed previously.

19. Replace the air filter elements (see Fig. 1 above for the proper order). Re-install the air filter cover (as shown in Fig. 12 at right, with the ridges on top).



Fig. 12: Air filter cover.

QUESTIONS? PROBLEMS?

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