



This is a guide to replacing the carburetor jet or installing a high altitude kit for your WEN 56477i or 56480iX Inverter Generator. This guide is best used in conjunction with the 56477i or 56480iX manual, included as a physical copy with your unit and available on the WEN website page for each model (56477i link [here](#), 56480iX 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 1-847-429-9263, 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 your warranty and could lead to decreased performance or injury.

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TOOLS NEEDED

- Phillips-head screwdriver
- Flat-head screwdriver
- 10mm socket or wrench
- Gasoline storage container
- Latex or chemical-resistant gloves
- Paper towels or shop towels
- *Needle-nose pliers (optional)*
- *Magnetic pickup 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 1-847-429-9263 M – F, 8 – 5 CST FOR MORE INFORMATION. FOLLOW ALL APPLICABLE SAFETY PRECAUTIONS.

REMOVING THE OLD JET

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. Make sure the 4-in-1 knob is turned to the “OFF” position.
2. Disconnect the battery quick-connectors as instructed in your owner’s manual.
3. Remove the side panel as instructed in the Maintenance section of your manual (Figs. 1 & 2).



Fig. 1: Remove the screws, then the panel.

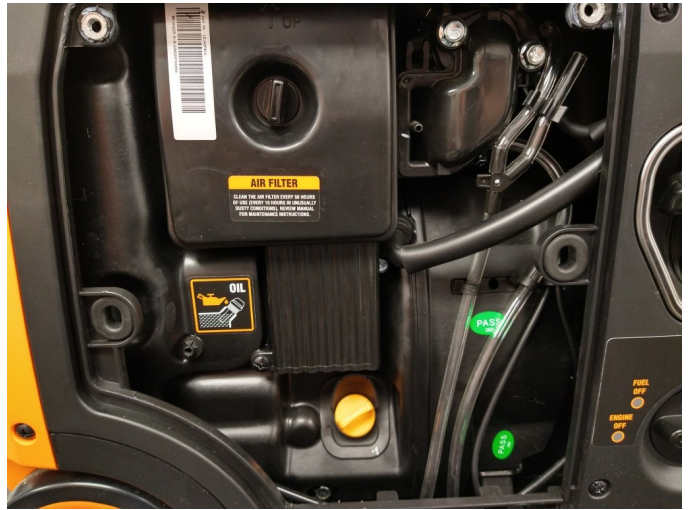


Fig. 2: Panel has been removed.

4. *Optional* – if desired, you can remove the recoil starter cover for additional room to work. Remove the two Phillips-head screws shown in Fig. 3 below, then gently pull the panel out (you may have to gently pull the recoil starter handle out) and set it down.



Fig. 3: Remove the two Phillips-head screws, then pull the panel out.

5. Prepare an approved gasoline-storage container. Drain the carburetor as instructed in the Maintenance section of your manual, using a Phillips-head screwdriver to loosen the drain screw (Fig. 4).

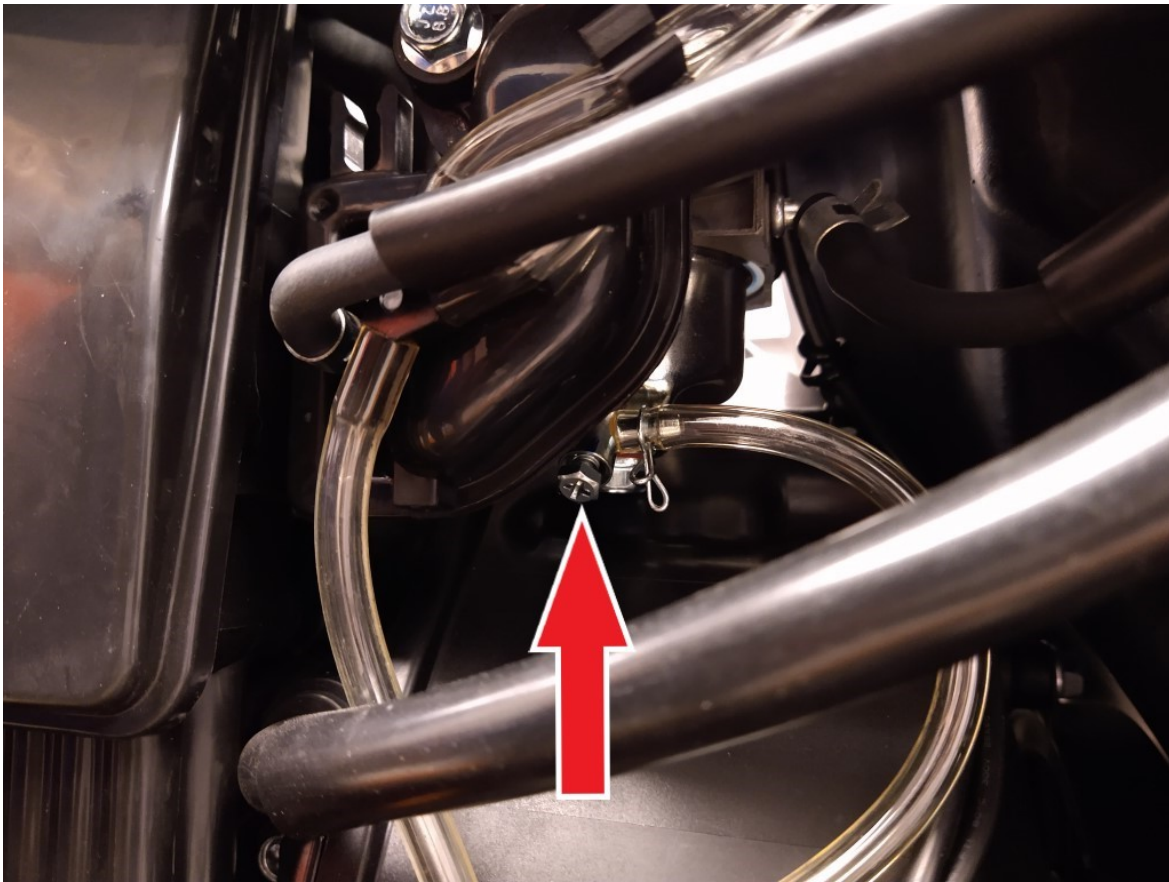


Fig. 4: Carburetor drain screw.

6. Remove the air filter cover and air filter element as instructed in your owner's manual (Figs. 5 & 6).

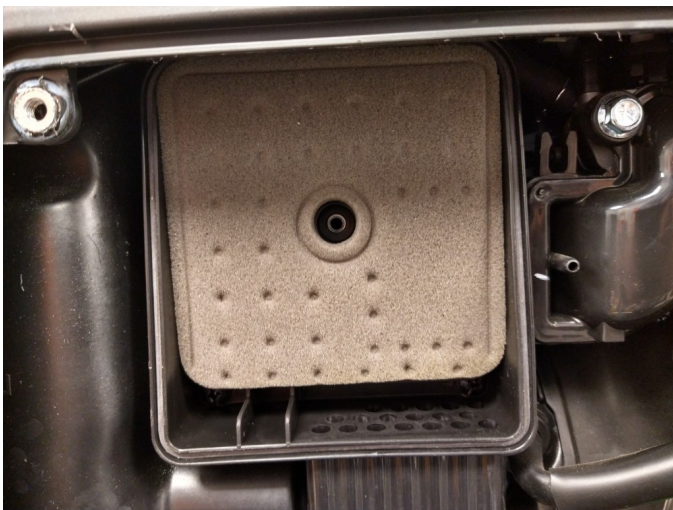


Fig. 5: Air filter element (cover removed).

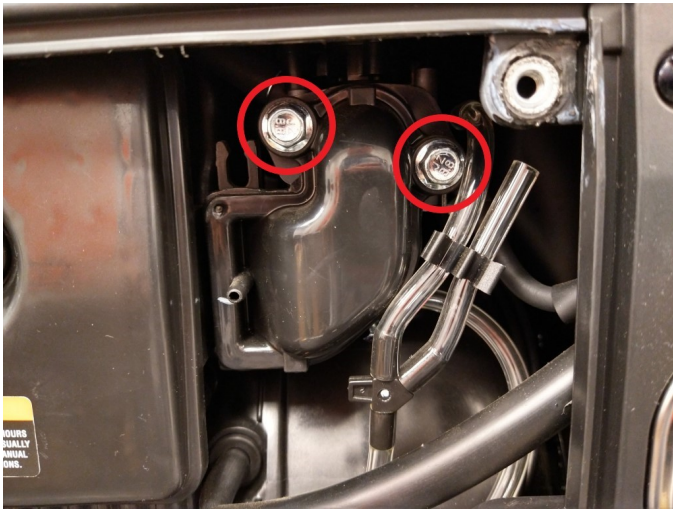


Fig. 7: Intake cover mounting bolts (2).

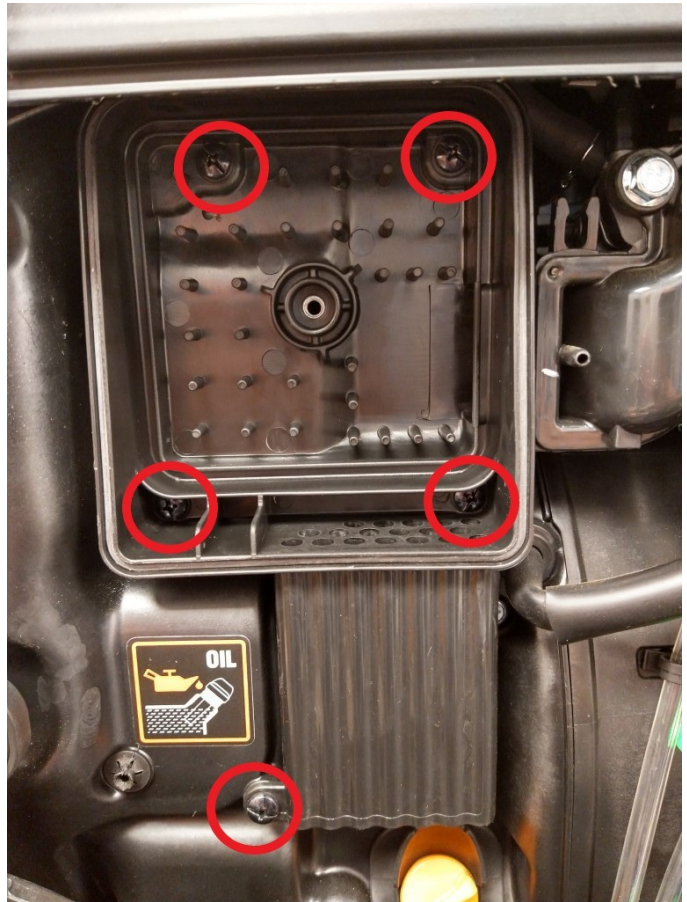


Fig. 6: Air filter element removed.

7. Use a Phillips-head screwdriver to remove the 5 mounting screws shown in Fig. 6 and a 10mm socket to remove the 2 mounting bolts shown in Fig. 7. Then pull the air filter housing and intake cover outwards.
8. Gently remove the choke cable from the air filter housing as shown in Figs. 8 & 9 below.



Fig. 8: Choke cable anchored in air filter housing.



Fig. 9: Cable has been removed.

9. Pull the carburetor outwards to access the carburetor bowl bolt. Prepare gloves and a paper towel. When you remove the carburetor bowl bolt, a small amount of gasoline will likely come out of the bowl.
10. Remove the carburetor bowl bolt, bolt gasket, bowl gasket, and bowl from the bottom of the carburetor using a 10mm socket. The bowl bolt is shown below in Fig. 10.



Fig. 10: Carburetor bowl bolt.

11. Tip the carburetor on its side. You should be able to see the jet inside the carburetor stem (Fig. 11). Gently remove it using a small flat-head screwdriver and set it aside.



Fig. 11: Carburetor jet.

INSTALLING THE NEW JET

12. Install the new, high-altitude jet into the carburetor stem. Tighten with the flat-head screwdriver until it is snugly seated against the inside of the stem.
13. Reassemble the carburetor. Don't forget to replace the bowl gasket and bolt gasket before reassembling.
14. Follow steps 1- 11 above in reverse order to reassemble the generator. When reassembling the side panels, make sure the tabs at the bottom go into the slots in the frame (Fig. 12).

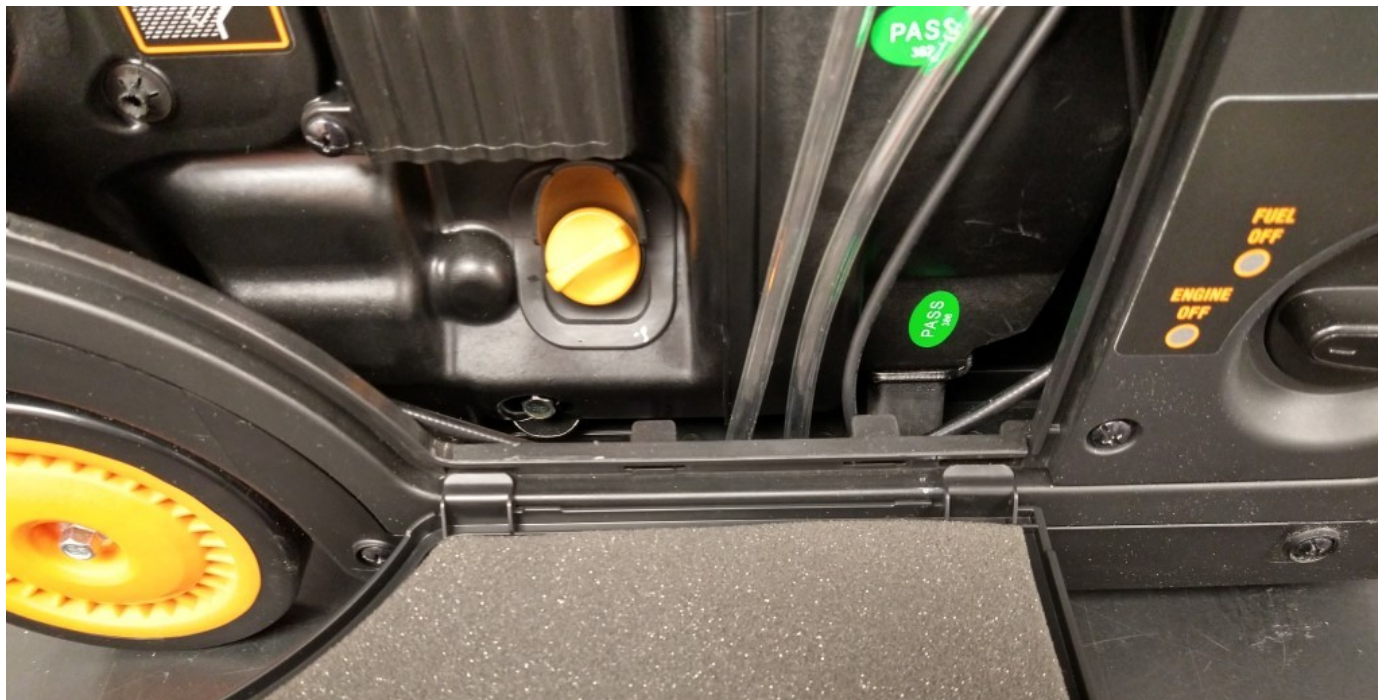


Fig. 12: Make sure tabs line up with slots when reassembling.

15. Verify that all fasteners are tight and all components have been replaced. Test the generator to ensure it operates properly.

QUESTIONS? PROBLEMS?

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