



HIGH ALTITUDE KIT: INSTALLATION GUIDE



iGen2200 iGen2500

Works with 79cc and 98cc size Westinghouse Inverters

High Altitude Kit: Installation Guide **Part A**

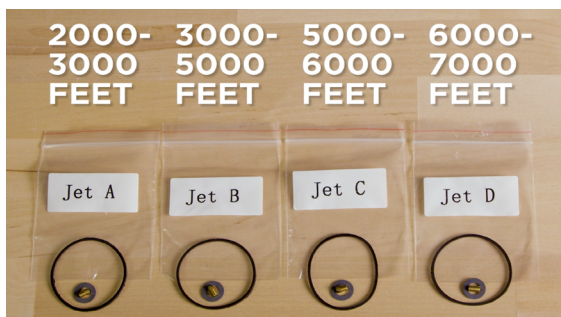
HOW TO READ UNIT SERIAL NUMBER

YEAR
#02500A0320XXXXXXXXXX
MONTH

This will show you how to install an altitude kit for operating your Westinghouse inverter generator at altitudes over 2000 feet.

Please reference **Part A** of this guide for instructions on the iGen2200 and iGen2500 models. If you have an iGen2500 manufactured before 3/2020 you will reference the instructions for the iGen2200.

Part B will be used for any iGen2500 manufactured after 03/2020 this can be confirmed by the serial number on your unit.



1. Confirm the altitude you'll be operating the generator and select the right carburetor jet for your application.



2. To perform this installation, you'll need a Phillips head screwdriver, a flat head screwdriver, a pair of needle nose pliers, a socket wrench, an 8mm socket, and a 10mm socket.



3. Place the generator on a flat surface in a well ventilated area. First step is to make sure your generator is in the off position.

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4. Next, you will use the carburetor drain hose to drain the gas out of the fuel tank.



5. Remove the 2 screws that secure the engine maintenance panel to the frame. Keep track of the screws and bolts as you disassemble the generator housing.



6. Slide off the spark plug access cover, and push on the maintenance panel to remove it.

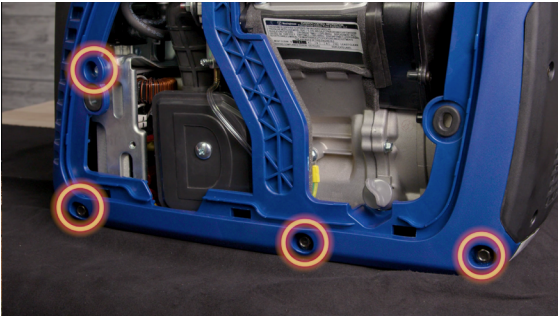


7. Locate the clear plastic hose from the float that is exiting out the bottom of the generator, and place a gasoline safe container under it to catch the drained fuel.



8. Loosen the float bowl drain screw until fuel is seen draining from the float bowl. Allow any fuel to drain, then tighten the float bowl drain screw.

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9. Continue with the removal of the generator cover. Remove the 3 bolts at the bottom of the engine access panel and the single bolt near the front air vents.



10. Remove the 3 screws at the top of the housing.



11. Remove the 2 screws at the top of the control panel and the 2 screws *under* the control panel.



- 12 a. Remove the rubber seal in the center of the engine control knob.
b. Remove the screw.
c. And remove the knob.



13. Pull the front panel off, leaving the wires behind the control panel attached. Using a pair of needle nose pliers, remove the clip located under the rubber fuel collector.

High Altitude Kit: Installation Guide **Part A**



- 14.** Remove the 6 screws that hold the muffler to the generator and remove the muffler.



- 15.** Remove the 2 screws on the opposite side of the handle.



- 16.** Finally remove the housing to gain access to the carburetor. Pull the spark plug wire off the spark plug.



- 17.** Pull the breather tube off the carburetor.

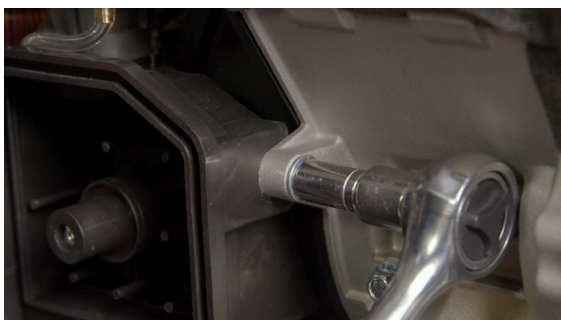


- 18.** Remove the screw in middle of the air cleaner and remove the foam filter.

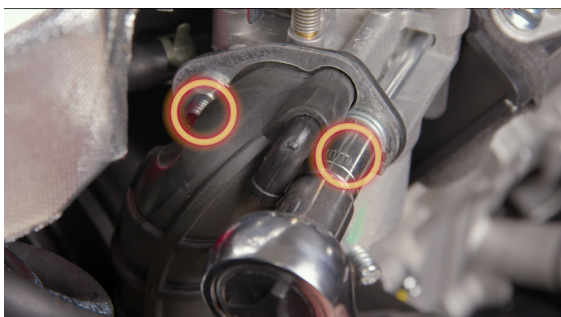
High Altitude Kit: Installation Guide **Part A**



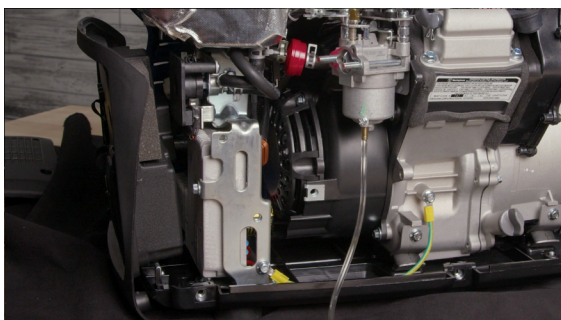
19. Remove the bolt inside the air cleaner.



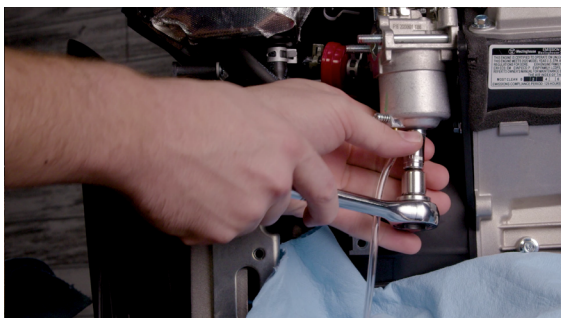
20. Remove the bolt on the right side that secures it to the engine mount.



21. Remove the 2 nuts that secure the air cleaner to the carburetor.

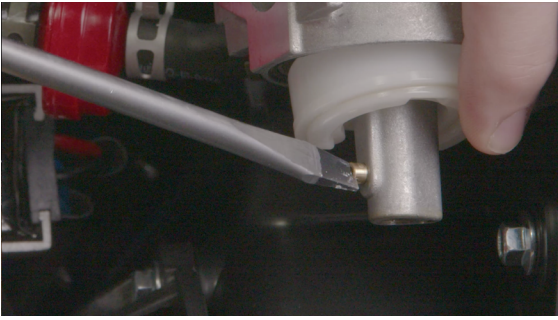


22. Remove the air cleaner assembly.

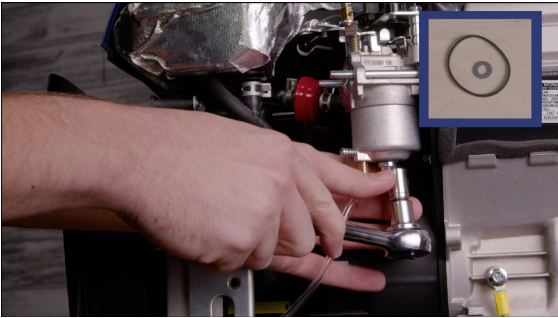


23. Remove the bolt from the bottom of the carburetor float bowl. There may be some leftover fuel in the carburetor so have a rag handy to clean any spills.

High Altitude Kit: Installation Guide **Part A**



- 24.** Remove the old jet, and install the new jet into the carburetor. As mentioned earlier, make sure you're installing the proper jet for your model of generator and for the altitude. After you install the new jet, don't throw away the old one.



- 25.** If they are damaged, replace the o-ring where the bowl meets the carburetor, and the bolt seal on the bottom of the carburetor, with the parts supplied in the kit. Re-bolt the bowl onto the bottom of the carburetor.

- 26.** To reassemble the generator, replace all the parts in the reverse order that they were removed. Time to check the installation. Move the generator to a well-ventilated location, start the generator, and make sure it runs properly.

High Altitude Kit: Installation Guide **Part B**



1. **Part B** will be used for iGen2500 manufactured after 03/2020 this can be confirmed by the serial number on your unit.



2. Confirm the altitude you'll be operating the generator and select the right carburetor jet for your application.



3. To perform this installation, you'll need a Phillips head screwdriver, a standard sized flathead screwdriver, a small 1/8in by 3in flat head screwdriver, a pair of needle nose pliers, a socket wrench, an 8mm socket, and a 10mm socket.



4. Place the generator on a flat surface in a well ventilated area. First step is to make sure your generator is in the off position.



5. Next, you will use the carburetor drain hose to drain the gas out of the fuel tank.

High Altitude Kit: Installation Guide **Part B**



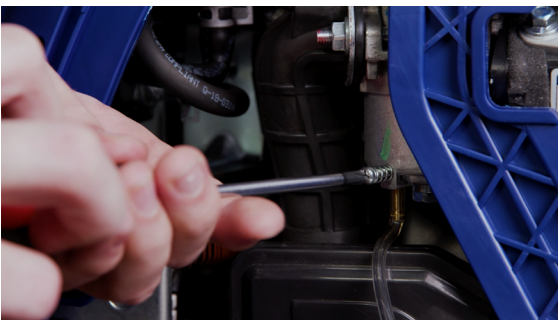
6. Remove the 2 screws that secure the engine maintenance panel to the frame. Keep track of the screws and bolts as you disassemble the generator housing.



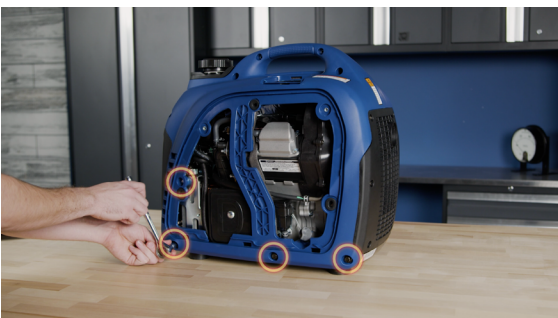
7. Slide off the spark plug access cover, and push on the maintenance panel to remove it.



8. Locate the clear plastic hose from the float that is exiting out the bottom of the generator, and place a gasoline safe container under it to catch the drained fuel.



9. Loosen the float bowl drain screw until fuel is seen draining from the float bowl. Allow any fuel to drain, then tighten the float bowl drain screw.



10. Continue with the removal of the generator cover. Remove the 3 bolts at the bottom of the engine access panel and the single bolt near the front air vents.

High Altitude Kit: Installation Guide **Part B**



11. Remove the 3 screws at the top of the housing.



12. Remove the 2 screws at the top of the control panel and the 2 screws *under* the control panel.



13 a. Remove the rubber seal in the center of the engine control knob.
b. Remove the screw.
c. And remove the knob.

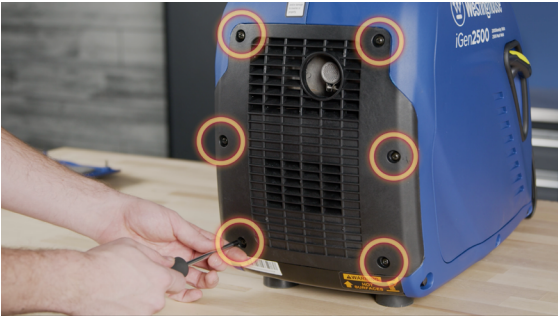


14. Pull the front panel off, leaving the wires behind the control panel attached.



15. Using a pair of needle nose pliers, remove the clip located under the rubber fuel collector.

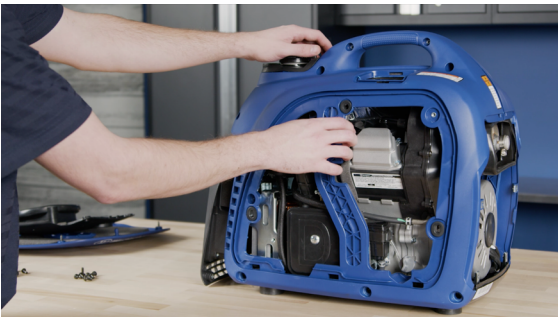
High Altitude Kit: Installation Guide **Part B**



- 16.** Remove the 6 screws that hold the muffler to the generator and remove the muffler.



- 17.** Remove the 2 screws on the opposite side of the handle.



- 18.** Finally remove the housing to gain access to the carburetor.



- 19.** Pull the spark plug wire off the spark plug.



- 20.** Pull the breather tube off the carburetor.

High Altitude Kit: Installation Guide **Part B**



21. Unclip and pull off the breather tube connected to muffler.



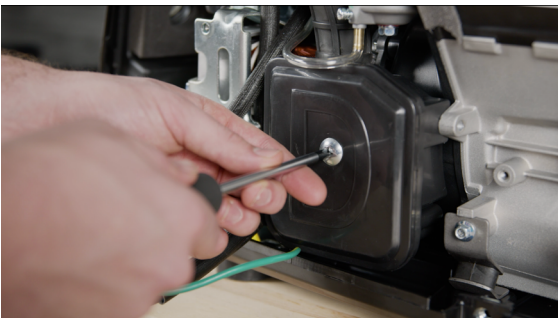
22. Slide off the black carbon canister and set it aside.



23. Remove bolt holding the carbon canister bracket and pull the bracket off.



24. Remove the bolt on the right side of the air cleaner box that secures it to the engine mount.

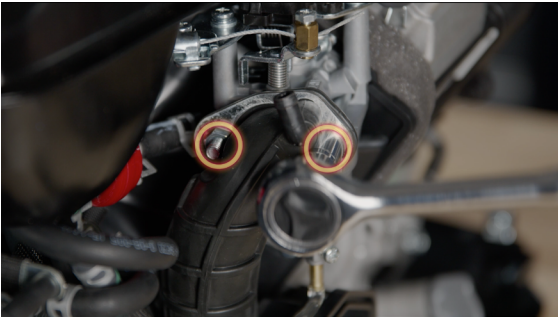


25. Remove the screw in middle of the air cleaner and remove the foam filter.

High Altitude Kit: Installation Guide **Part B**



26. Remove the bolt inside the air cleaner.



27. Remove the 2 nuts that secure the air cleaner to the carburetor.



28. Remove the air cleaner assembly. Be sure the paper gasket between the air filter and carburetor is not damaged.



29. Remove the bolt from the bottom of the carburetor float bowl. There may be some leftover fuel in the carburetor so have a rag handy to clean any spills.



30. Use the small flathead screwdriver to carefully remove the jet. Make sure the main nozzle stays in the carburetor. If it falls out, replace it in the correct orientation.

High Altitude Kit: Installation Guide **Part B**



- 31.** Install the new jet into the carburetor. As mentioned earlier, make sure you're installing the correct jet for your model of generator and for the altitude. After you install the new jet, don't throw away the old one.



- 32.** If they are damaged, replace the o-ring where the bowl meets the carburetor, and the bolt seal on the bottom of the carburetor, with the parts supplied in the kit. Re-bolt the bowl onto the bottom of the carburetor.



- 33.** Reassemble the generator in reverse order it was taken apart. Time to check the installation. Move the generator to a well-ventilated location, start the generator, and make sure it runs properly.