



Ryobi String Trimmer RY253SS Fuel Lines and Filter Replacement

Replace the fuel filter and old fuel line in your Ryobi RY253SS String Trimmer in a quick and easy process.

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INTRODUCTION

This guide will show you how to replace the fuel lines and filter on your Ryobi RY253SS String Trimmer. It requires no prior experience in small engine repair.

The fuel filter, for this model string trimmer, needs to be replaced either after 25 hours of run time or each year. The filter ensures that debris does not enter the fuel system of the engine, thus maintaining proper performance of your string trimmer. Another reason you may need to replace the fuel filter is if you have not been using the proper fuel to oil ratio in the fuel mixture. This can cause the engine problems when starting. This fix can breathe new life into your string trimmer and have it running similar to the day you got it out of the box.



TOOLS:

- [Flathead Screwdriver](#) (1)
- [Cutting Plier](#) (1)
- [Gripping Tool](#) (1)



PARTS:

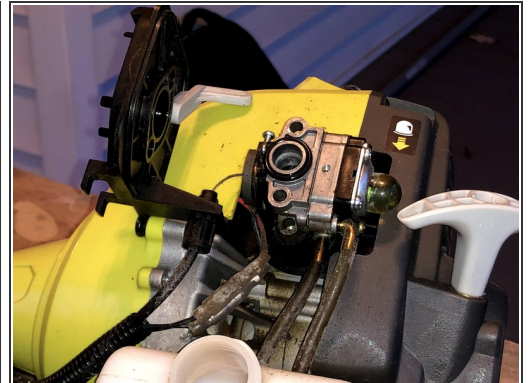
- [Genuine Factory Parts String Trimmer Fuel Line Repair Kit](#) (1)
- [2-Cycle Oil](#) (1)

Step 1 — Fuel Lines and Filter



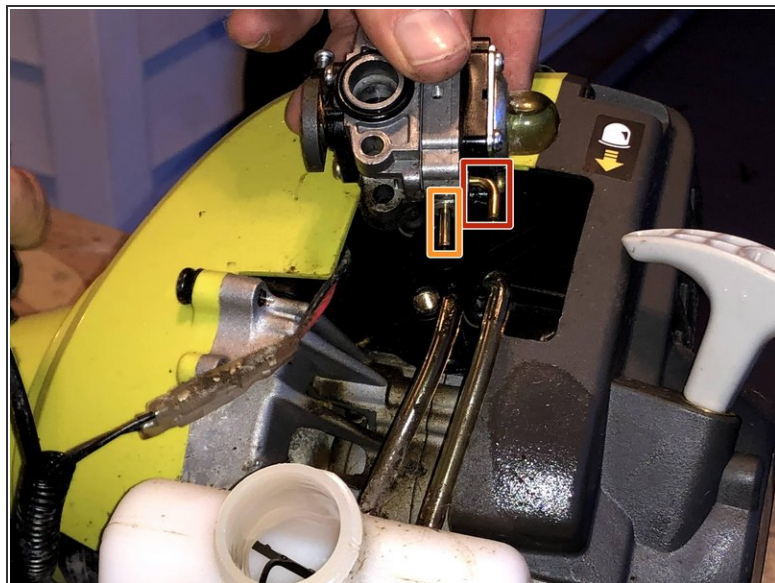
- With your hands, remove the air filter cover from your edge trimmer.
- ⓘ This will expose the air filter and the screws that attach the housing to the frame.
- Remove the air filter before moving to the next step.

Step 2



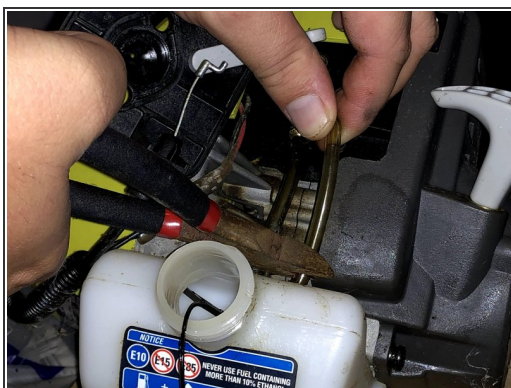
- Remove the two M5 x 45 mm shoulder screws attaching the air filter housing to the engine frame using a flathead screwdriver.
- Pull the housing away from the engine block.
- ⓘ The screws also attach the carburetor to the frame.

Step 3



- Pull the carburetor away from the engine block.
- Gently remove the input fuel line from the carburetor.
- Gently remove the output fuel line from the carburetor.


Step 4



- Use the cutting pliers to cut the excess line flush to the tank.
- Use a screwdriver to push the remaining line into the tank.

Step 5



-  The lines should now be in the tank.
- Lift and shake the edge trimmer until both lines fall out of the tank.

Step 6



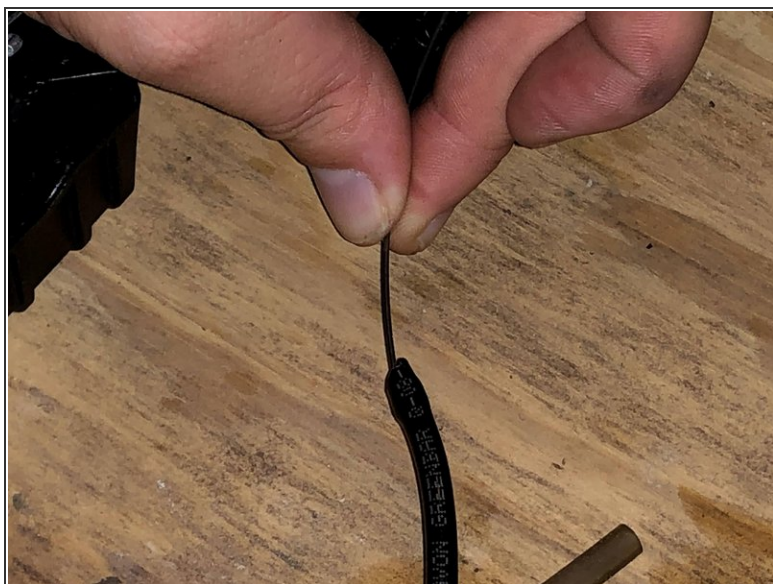
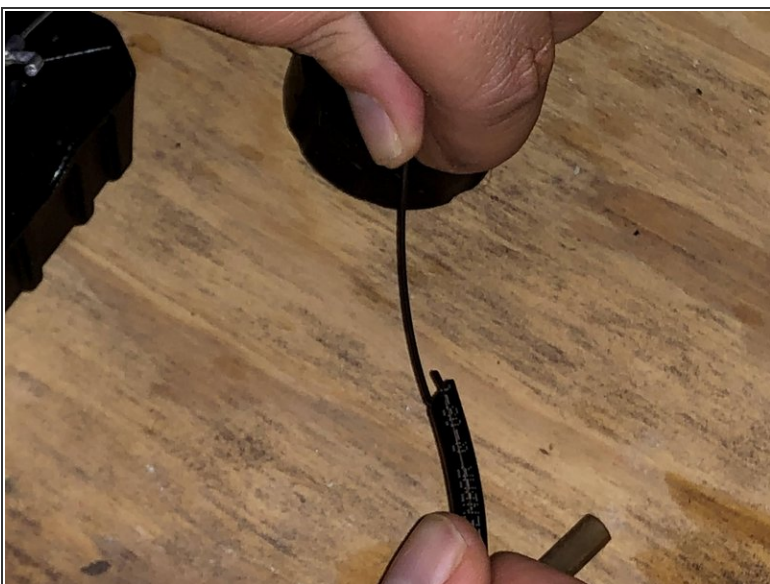
- Thread the gripping tool through the input line on the tank.
- Thread the tool through the gas cap opening.

Step 7



- Use the cutting pliers to taper the end of the fuel line.
- ⓘ A larger taper will make it easier to thread the fuel line through the hole in the tank.

Step 8



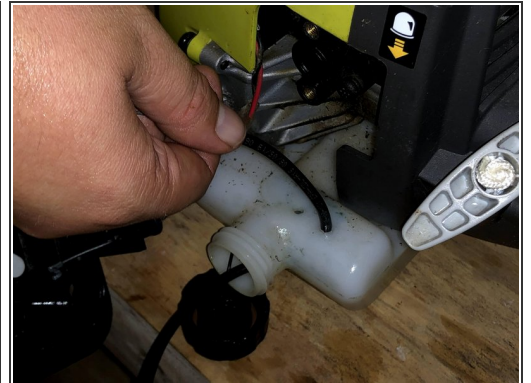
- Insert the hooked end of the gripping tool into the fuel line.
- ⓘ Clamp the hook to avoid puncturing the tube or the gas tank when pulling it through.

Step 9



- Lubricate the fuel line with the 2-Cycle oil.
- i* The 2-Cycle Oil will more easily allow the fuel line to move through the hole in the gas tank.
- !* Only use proper 2-Cycle oil to avoid contamination of the fuel tank.

Step 10



- Place your finger through the key ring end of the gripping tool.
- Pull the tool until the line begins to make its way through the hole.
- Grab the fuel line directly with your hand to continue pulling it completely through.
- i* Make sure to use the fuel line connected to the fuel filter for the input line.
- !* Use caution when pulling on the gripping tool, if you use too much force you can not only puncture the fuel line, but you can also puncture the tank.

Step 11



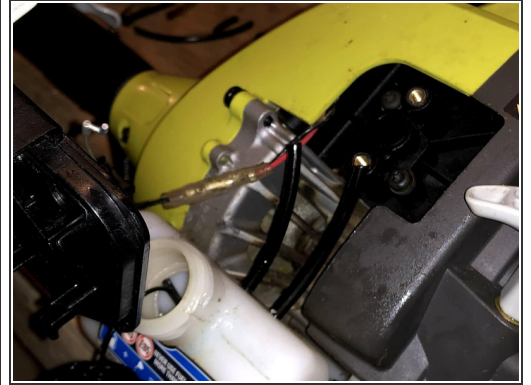
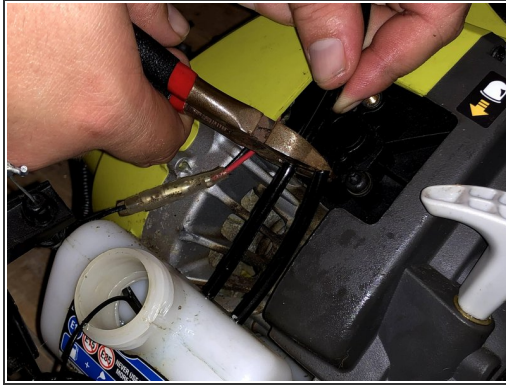
- Using the same methods as the previous steps, thread the output fuel line through the tank.

Step 12



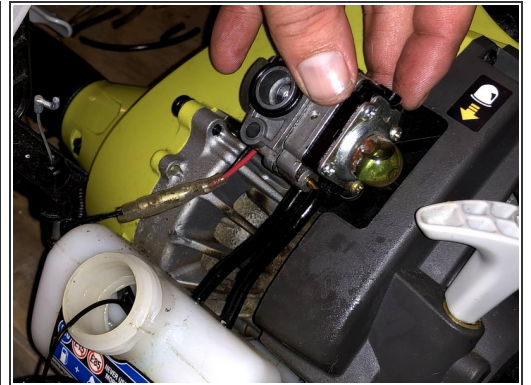
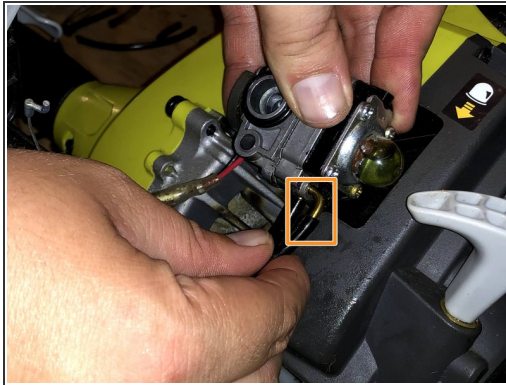
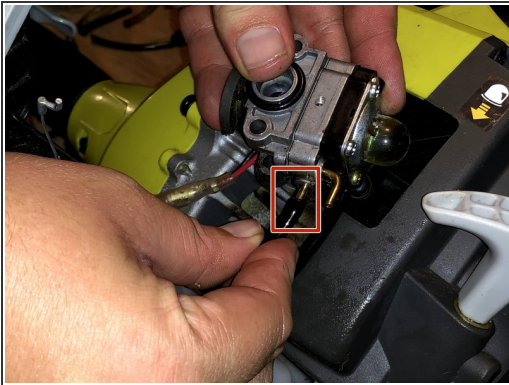
- Push the remaining fuel line into the gas tank.

Step 13



- Use your cutting pliers to cut the excess fuel line to an appropriate length.
- ⓘ Cut the line to an appropriate length as shown in Picture 3.

Step 14



- Attach the output fuel line back to the carburetor.
- Attach the input fuel line back to the carburetor.
- ⓘ Push the fuel lines up as far as you can to the carburetor block.

To reassemble your device, follow steps 1 and 2 in reverse order.