

## Generator Fuel Shutoff

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August 2004  
updated December 2005

(Photos of Onan generator.)



This simple modification prevents the build up of varnish and gum in the generator carburetor, which may occur when the generator is not used for more than a month. A metal valve is placed in the fuel line for the generator, in order to shut off the fuel supply, so the generator may be run until the fuel is exhausted.

APPROX. MODIFICATION TIME: .5 hours

PART LIST: All prices are approximate, pre-tax, and pre-shipping.

NOTE: These parts work for both the Generac and Onan generators.

[1] One foot of 1/4" fuel line hose. It <b>MUST be for fuel lines.</b>	\$1
[2] Two hose clamps for the above hose.	\$2
[3] 1 straight fuel shut off valve with 1/4" nipples "Mfg Supply part #20-868" at Mfgsupply.com	\$11
[4] some cable ties	\$1
<b>APPROX. TOTAL COST OF PARTS</b>	<b>~\$15</b>

## INSTRUCTIONS:



- Remove the existing fuel line hose from the input to the carburetor [upper part of photo].
- Route original fuel line and fuel filter as shown, behind oil filler tube, and secure with a tie strap as shown.
- Insert the assembly of the shut off valve and its two fittings.
- With hose clamps in place, put the 12" piece of fuel line onto the carburetor and the other end of the valve assembly. When installing the hose clamps, be sure they are turned so that when tightened, they will not interfere with the operation of the shut off valve.
- Tighten the hose clamps, and you are ready to try it.
- **Be certain that there are no leaks!! I always have a fire extinguisher handy when working on things that can burn!**
- Turn the fuel valve to on, start the generator and run it for a while to further check for fuel leaks.
- Turn the shut off valve to the off position [Crosswise the shut off valve] and let the engine run until it protests and finally stops. [Around 2 minutes]
- Run at least another cycle to be sure it all works O.K.
- The generator should have the shut off valve closed and allowed to run until it quits when the generator will not be used for any extended period, such as two or three weeks. The next time it is started, allow a few seconds of extra cranking, for the fuel pump to operate and fill the carburetor fuel bowl far enough for the generator engine to have fuel available and to start running.

Updated  
Monday, 2 January, 2006