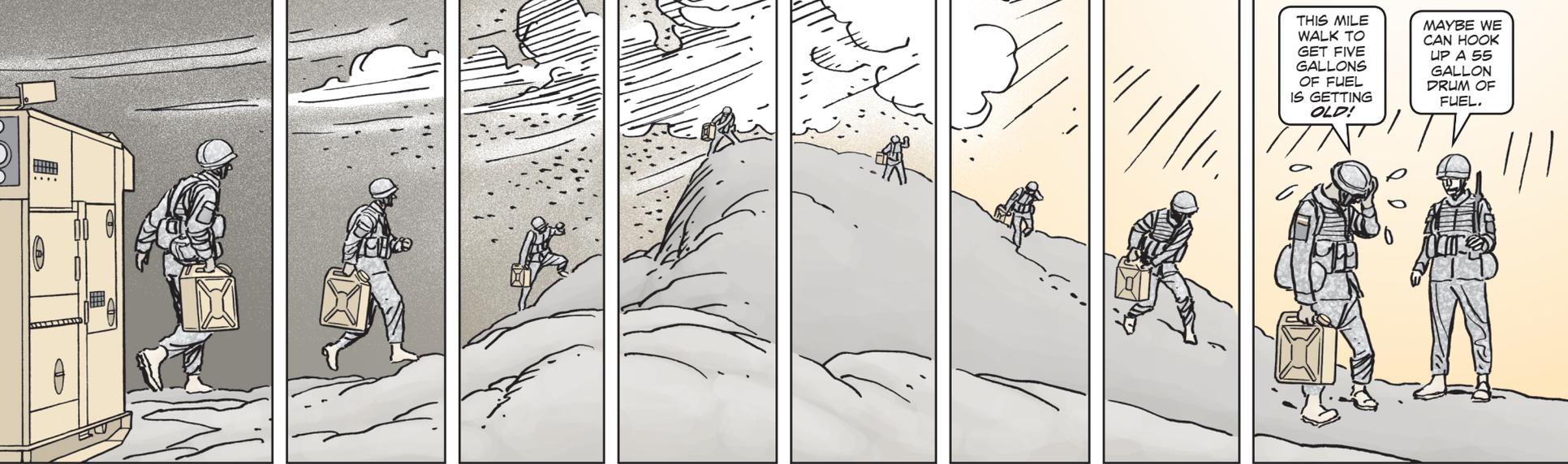


AVOID ANOTHER LONG, HARD WALK



Dear Half-Mast,

I'm stationed in Iraq and I'm looking for a way to hook up a 55-gal fuel drum to use as a fuel supply for a tactical quiet generator (TQG). I have looked in the operator's and parts TMs and can't find any parts or instructions on how to do this. Any help is appreciated. The mile walk to the fuel point twice a day for 5 gallons of fuel is getting old.

SPC A. T.

Dear Specialist A. T.,

I feel your pain. Back when I was a private, I lugged Jerry cans of fuel until my arms ached, my back broke and my dogs barked! Fortunately for you, there is a system to hook up a 55-gal drum as an auxiliary fuel point for your generator.

Let's start with the parts you need. Somewhere, in your generator TM—probably in the Additional Authorized List (AAL) or the Basic Issue Items (BI) list—there should be an entry for an adapter assembly or an adapter container, NSN 2910-00-066-1235. That adapter is what you need to connect the auxiliary fuel hose of your generator set to an auxiliary fuel source.

You'll find the auxiliary fuel hose stored behind the generator's battery access door. If it's not there, look for the hose behind other access doors. Replace a worn hose.

The adapter consists of a strainer clamp, a plug, a pipe, NSN 4710-00-185-6948, and an extension pipe, NSN 4710-00-597-8731. The pipe and extension pipe come with the adapter. But, replacements can be ordered separately. The extension pipe is not needed if the fuel source is a 5-gal can, but is needed if the fuel source is a 55-gal drum. The extension pipe will reach about 30 inches into the drum.

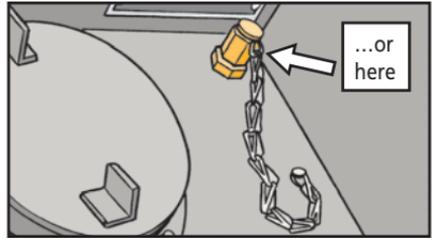
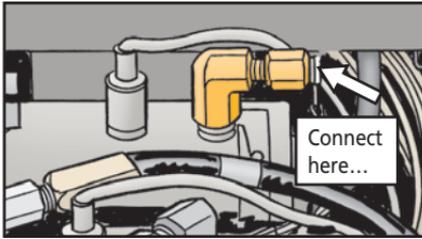


You need this adapter!

Now that you have the parts, put the external fuel source a safe distance away from the generator, but no more than 25 feet—the length of the auxiliary hose. Make sure you meet all local and unit safety requirements for a fuel point.

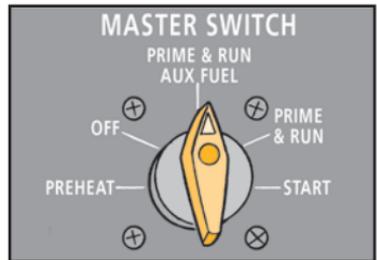
Assemble the adapter by threading the main pipe into the plug and then the extension pipe into the main pipe, if you're using a 55-gal drum. Now thread one end of the auxiliary hose into the adapter. Make sure all adapter parts and the hose are clean.

Connect the other end of the auxiliary hose to the generator set external fuel supply connection and tighten. The connection is located near the generator's fuel tank fill cap. It should be labeled with an identification plate that reads, **External Fuel Supply**.



Now, take the fuel container adapter and fit it into the external fuel supply's 5-gal can or 55-gal drum. Secure the adapter in place by pressing down on the strainer clamp.

To get the fuel flowing, turn the Master Switch on the generator control panel to the **PRIME & RUN AUX FUEL** position. This activates the auxiliary fuel pump and transfers fuel from the external fuel supply to the generator fuel tank. All TQGs have a fuel level float in their fuel tank that shuts off the auxiliary pump when the tank is full and starts it again when needed to refill the tank.



It's important to remember that the auxiliary fuel pump has a filter, NSN 2940-01-365-6535, that must be clean. The auxiliary fuel pump and filter are located behind the front housing panel on the left side. If you use an auxiliary fuel source, replacing this filter must be a part of your regular PMCS. Replace it when it's clogged or when the primary fuel filter is changed.

Here are a few other things to remember when using an auxiliary fuel source:

- The auxiliary pump should never be operated unless the pump is connected to a fuel source.
- Keep the fuel hose between the fuel source and the generator well identified and away from boots that could kick it loose.
- Keep the fuel hose as straight as possible to ensure a free flow of fuel.
- The length of your stay in the area should be considered when planning your auxiliary fuel point. A longer stay may mean more security and greater safety requirements.
- Examine the area for possible sources of fuel contamination and eliminate those sources before you start pumping fuel.
- Direct the exhaust from the generator away from the auxiliary fuel supply point.

Well, Specialist A. T., that should get you started pumping fuel and spare your feet.

Half-Mast

