

Fuel Line Kit 290985

Diesel-Powered

Standby Generator Sets

The fuel line kit provides fuel supply and return lines for diesel-powered standby generator sets. Follow the safety precautions during installation and be sure all fuel line connections are tight to prevent entrance of air and debris. Even though diesel fuel may not leak out of a loose connection, air can be drawn in through this fitting when the engine is operating. Air trapped in the fuel system will cause erratic operation and hard starting. Following installation of the kit, bleed air from the fuel system according to the engine manufacturer's instructions. Consult the Standby Installation Guide (ES-420) for additional information on fuel system installation.

Location of fuel inlet and return connections on the engine is shown in Figure 1. This drawing is representative of most units, however the location of the fuel inlet and return connections on a given engine may differ slightly from that shown. The 7/8-14 fitting of the fuel supply line connected to the fuel inlet fitting on the engine. Connect the other end of the fuel supply line to the main fuel tank or transfer tank via the fuel block or fittings on generator frame (if applicable). The 5/8-18 end of the fuel return line is connected to the engine fuel return fitting. Connect the other end of the fuel return line to the fuel return from the fuel tank or transfer tank. This connection may also be made at the fuel block or fittings mounted on the frame, if applicable.

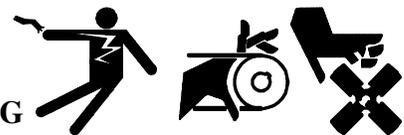
 **WARNING**



All fuels are highly explosive in a vapor state. Use extreme care when handling, storing, and using fuels

Store fuel in a well-ventilated area away from spark producing equipment and out of the reach of children. Never add fuel to the tank while the engine is running since spilled fuel may ignite on contact with hot parts or from ignition spark. Do not smoke or permit flame or spark to occur near potential sources of spilled fuel or fuel vapors. Keep fuel lines and connections tight and in good condition—don't replace flexible fuel lines with rigid lines. Flexible sections are used to avoid breakage due to vibration. Additional precautions must be taken when using the following fuels:

 **WARNING**



Accidental starting can cause death or serious personal injury. Turn Generator Master Switch to OFF position, disconnect power to battery charger, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.

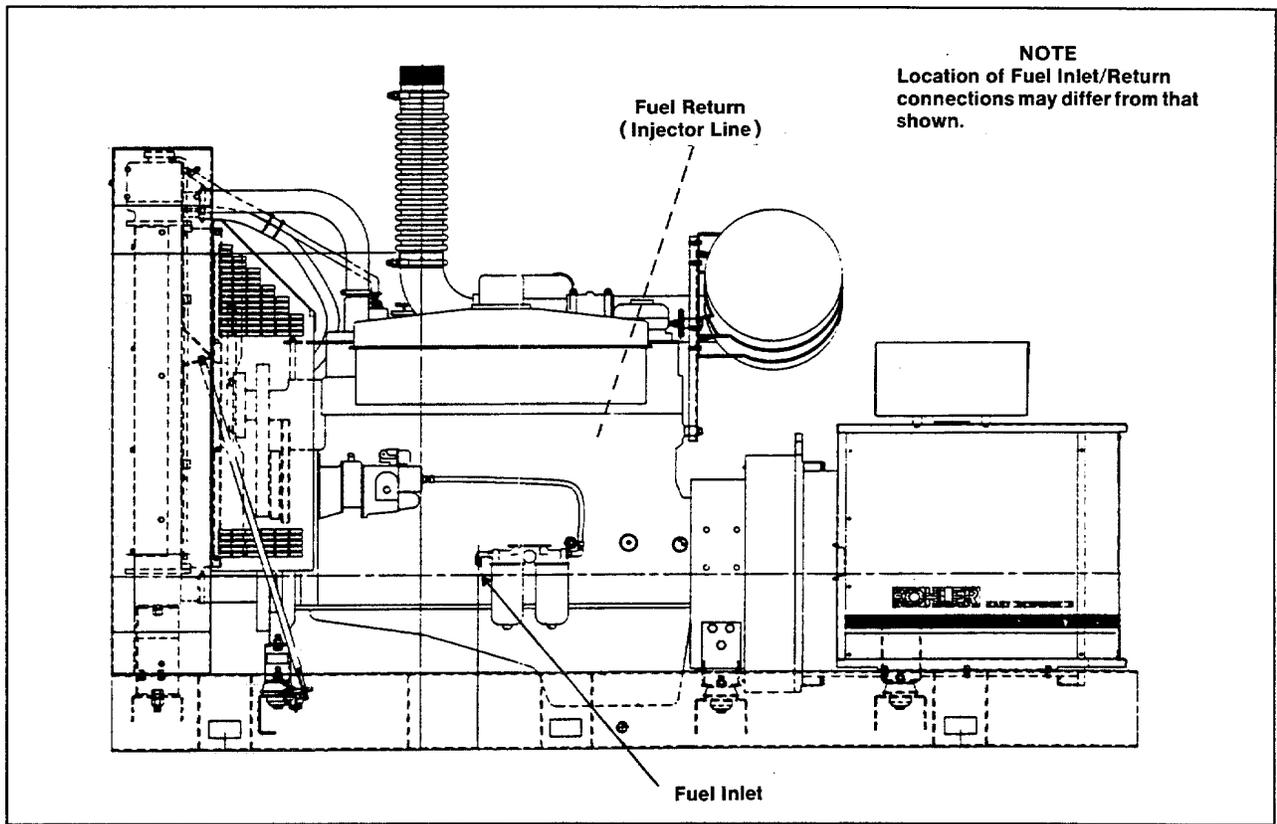


Figure 1. Fuel Inlet/Return Connections

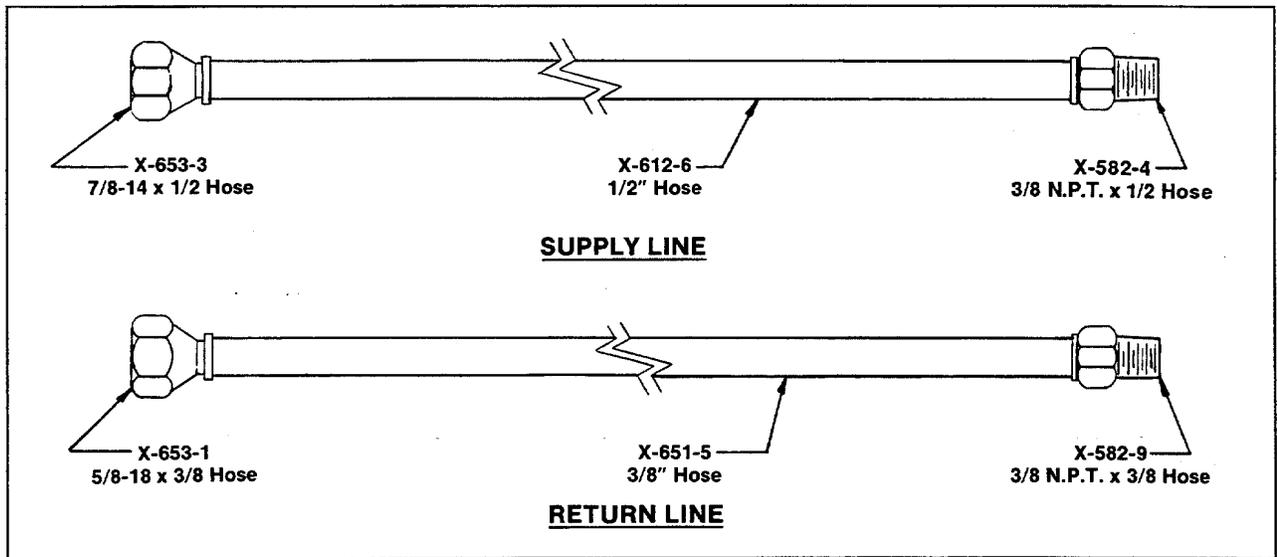


Figure 2. Fuel Line Components

Parts Listing

Description	Qty.	Part No.
Connector, hose	1	X-582-9
Hose, 1/2 in. ID x 32 in.	1	X-612-6
Hose, 3/8 in. ID x 30 in.	1	X-651-5
Fitting, 3/8-18 hose	1	X-582-4
Fitting, 5/8-18 1	1	X-653-1
Fitting, hose swivel	1	X-653-3