
INSTALLATION INSTRUCTIONS

Original Issue Date: **2/92**

Model: **50-100 kW (Gas Fuel)**

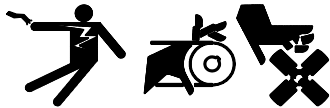
Market: **Industrial**

Subject: **Flexible Fuel Line Kits PA-255599, PA-255599-SD,
PA-276286, PA-276286-SD**

Model	Kit
50-60 kW	PA-276286, PA-276286-SD
70-100 kW	PA-255599, PA-255599-SD

The flexible fuel line kit provides a flexible connection between the engine fuel fittings and the fuel tank plumbing. Observe all safety precautions during kit installation. For more information on fuel system installation, consult the Industrial Generator Installation Guide.

WARNING



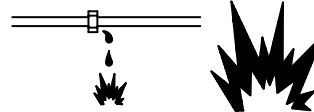
**Accidental starting.
Can cause severe injury or death.**

Disconnect battery cables before working on generator set. (Remove negative (–) lead first when disconnecting battery. Reconnect negative (–) lead last when reconnecting battery.)

Disabling generator set. Accidental starting can cause severe injury or death. Before working on the generator set or connected equipment, disable the generator set as follows:

- 1) Turn the generator set master switch to OFF position.
- 2) Disconnect power to battery charger.
- 3) Remove battery cables (remove negative (–) lead first). Reconnect negative (–) lead last when reconnecting battery. Follow these precautions to prevent starting of generator set by an automatic transfer switch or remote start/stop switch.

WARNING



**Explosive fuel vapors.
Can cause severe injury or death.**

Use extreme care when handling, storing, and using fuels.

Fuel system. Explosive fuel vapors can cause severe injury or death. All fuels are highly explosive in a vapor state. Use extreme care when handling and storing 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 because spilled fuel may ignite on contact with hot parts or from spark. Do not smoke or permit flame or spark to occur near sources of spilled fuel or fuel vapors. Keep fuel lines and connections tight and in good condition. Do not replace flexible fuel lines with rigid lines. Use flexible sections to avoid breakage caused by vibration. Do not operate generator set in the presence of fuel leaks, fuel accumulation, or sparks. Repair systems before resuming generator set operation.

Explosive fuel vapors can cause severe injury or death. Take additional precautions when using the following fuels:

Natural Gas—Adequate ventilation is mandatory. Natural gas rises; install natural gas detectors high in room. Inspect detectors often.

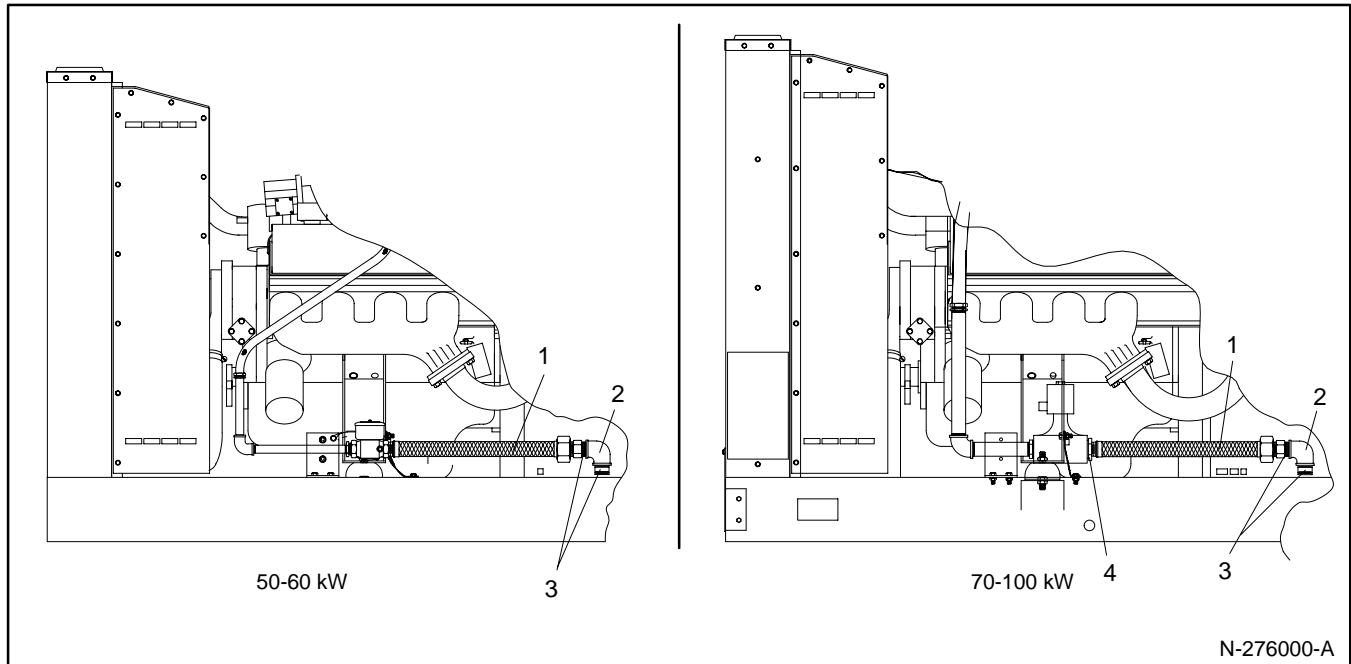
Propane (LP)—Adequate ventilation is mandatory. Propane is heavier than air; install propane gas detectors low in room. Inspect detectors often.

Gas fuel leaks. Explosive fuel vapors can cause severe injury or death. Fuel leakage can cause an explosion. Check LP vapor gas or natural gas fuel system for leakage using a soap-water solution with fuel system test pressurized to 6-8 ounces per square inch (10-14 inches water column). Use a soap solution containing neither ammonia nor chlorine because both prevent bubble formation. A successful test depends on the ability of the solution to bubble.

Installation

1. Turn generator master switch to the OFF position. Disconnect generator set engine starting battery, negative (-) lead first.

2. Refer to Figure 1 or Figure 2 for installation of the flexible fuel line kit. Apply pipe sealant to all threaded connections. Refer to Parts List for description of components.
3. Reconnect engine starting battery, negative (-) lead last.



1. Flexible fuel line
2. Pipe elbow

3. Pipe nipple
4. Reducer bushing

Figure 1. Fuel Line Connections

Parts List				
KITS: PA-255599, PA-255599-SD, PA-276286, PA-276286-SD			Unique Parts	
Qty.	Description	Common Parts	PA-255599 PA-255599-SD	PA-276286 PA-276286-SD
1	Bushing, reducer 1 x 1-1/4		X-202-32	
1	Elbow, pipe 1	X-215-15		
2	Nipple, pipe 1 x 1-1/2	X-218-24		
1	Line, flexible fuel	X-504-21		