
INSTALLATION INSTRUCTIONS

Original Issue Date: 1/92

Model: 20-45 kW

Market: Industrial

Subject: Flexible Fuel Line Kit PA-255177 and PA-255177-SD

The flexible fuel line kit provides a flexible connection between the engine fuel fittings and the fuel tank plumbing. Verify that all connections are tight after installing the flexible fuel lines. Observe all safety precautions during kit installation. For additional information on fuel system installation, consult the Industrial Generator Installation Guide.



Accidental starting.
Can cause severe injury or death.

Disconnect battery cables before working on generator set (negative lead first and reconnect it last).

Accidental starting can cause severe injury or death. Turn generator set 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 set. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.



Explosive fuel vapors.
Can cause severe injury or death.

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

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 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. Do not replace flexible fuel lines with rigid lines. Flexible sections are used to avoid breakage due to vibration. If any fuel leakage, fuel accumulation, or electrical sparks are noted, DO NOT OPERATE GENERATOR SET. Repair systems before resuming generator set operation

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

Gasoline—Store gasoline only in approved red containers clearly marked GASOLINE.

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

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

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). Do not use test solutions that contain ammonia or chlorine, since the soap will not bubble for an accurate leakage test.

Installation

1. Disconnect generator set engine starting battery, negative (-) lead first.
2. Refer to Figure 1 for installation of the flexible fuel line kit. Apply pipe sealant to all threaded fittings.

Refer to Parts List below for description of components.

3. Reconnect engine starting battery, negative (-) lead last.

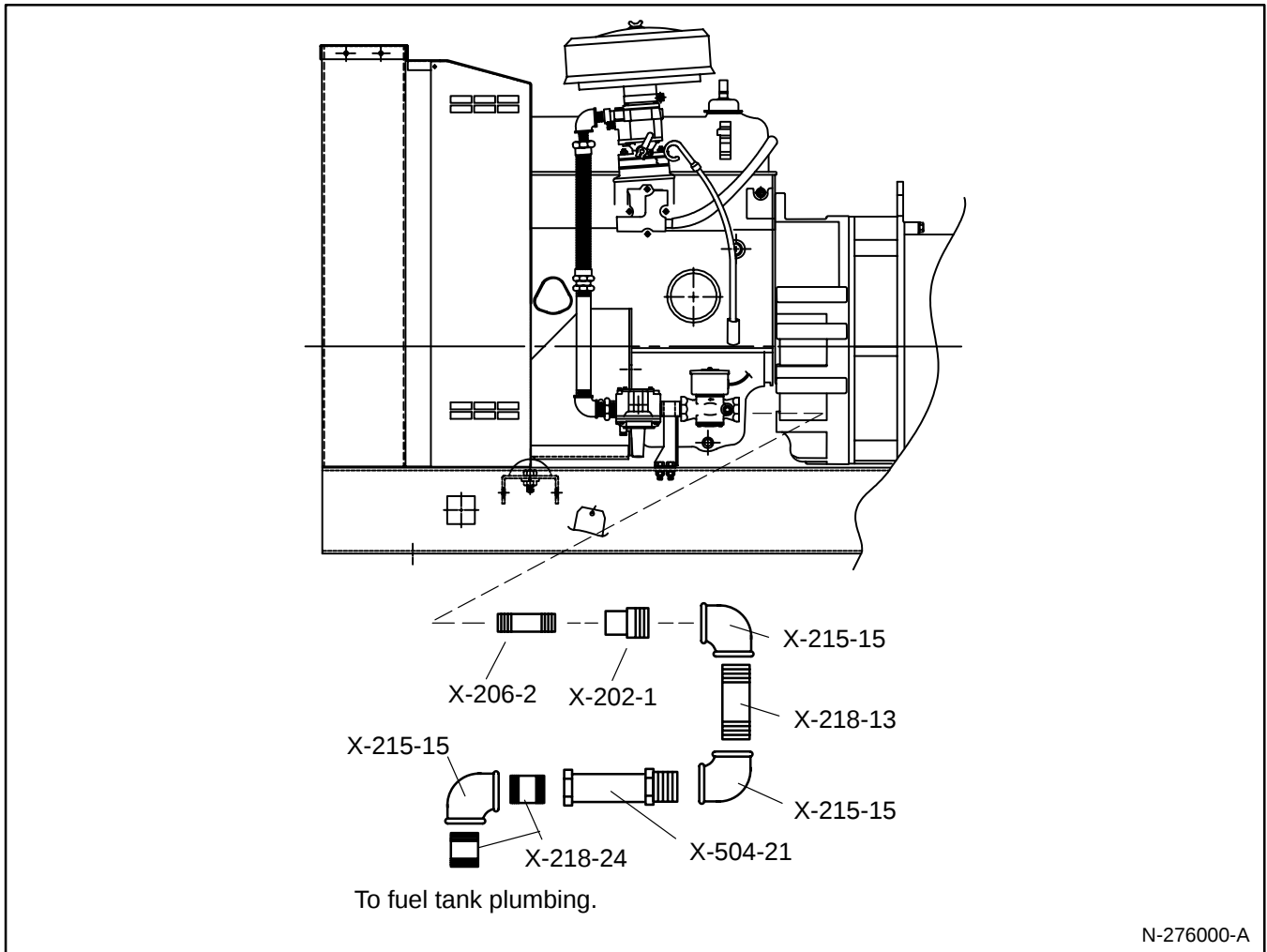


Figure 1. Flexible Fuel Line Assembly

Parts List		
KITS PA-255177and PA-255177-SD		
Qty.	Description	Part Number
1	Bushing, reducer 3/4 NPT F x 1 NPT M	X-202-1
1	Nipple, 3/4 NPT x 2 in. (50.8 mm) long pipe	X-206-2
3	Elbow, pipe 1 NPT	X-215-15
1	Nipple, pipe 1 x 4	X-218-13
2	Nipple, pipe 1 x 1-1/2	X-218-24
1	Line, flex. fuel	X-504-21