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## INSTALLATION INSTRUCTIONS

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Original Issue Date: 1/91

Model: 450-600 kW

Market: Standby

Subject: Flexible Fuel Line Kits PA-272966 and PA-272966-SD

The flexible fuel line kit provides a flexible connection between the engine fuel fittings and the fuel tank plumbing. After the flexible fuel lines are installed, verify that all connections are tight then bleed air from the fuel system according to the engine manufacturer's instructions. If air is trapped in the fuel system, hard starting and/or erratic operation will occur. Observe all safety precautions during kit installation. For additional information on fuel system installation, consult the Standby 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.

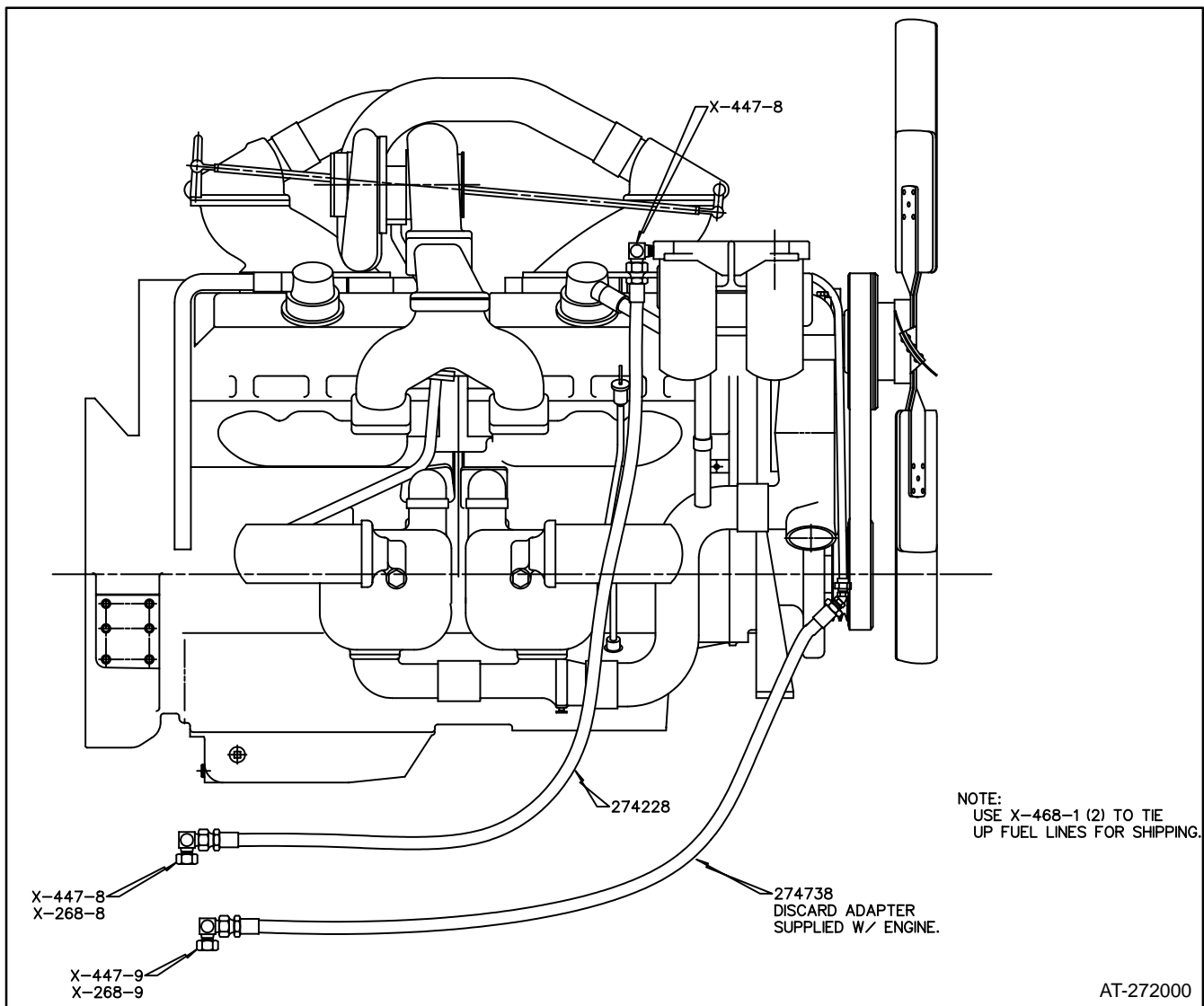
**Explosive fuel vapors can cause severe injury or death.** Storing gasoline and other volatile fuels in day or subbase fuel tanks can cause an explosion. Store only diesel fuel in these tanks.

### NOTE

Wipe up all spilled diesel fuel after bleeding system.

### INSTALLATION

Use illustration to mount the flexible fuel line kit. Apply pipe sealant to all threaded fittings. Refer to Parts Listing for description of components.



**Figure 1. Fuel Line Connections**

Parts List		
KITS: PA-272966 and PA-272966-SD		
Qty.	Description	Part Number
1	Cap, 1/2 NPT pipe (protective)	X-268-8
1	Cap, 3/8 NPT pipe (protective)	X-268-9
2	Elbow, 7/8-14 x 1/2 NPT	X-447-8
1	Elbow, 5/8-18 x 3/8 NPT	X-447-9
2	Tie, 7 in. cable	X-468-1
1	Line, 7/8-14 F 45 deg. swivel x 7/8-14 F 45 deg. swivel x 63 in. flex. fuel	274228
1	Line, 5/8-18 F inverted flare x 5/8-18 F 45 deg. swivel x 63 in. flex. fuel	274738