



Fuel Pump Relocation Kit PA-278133 For 7kW-RV Gasoline-Powered Models (Kohler K582QS Engine)

This kit is designed to improve generator set operation in hot weather applications. Lowering the mounting location of the electric fuel pump on the mounting tray permits cooler fuel to enter the carburetor and reduces the chance of vapor lock. See Figure 1 and use the following instructions to install kit.

⚠ WARNING

UNIT STARTS WITHOUT NOTICE! To prevent accidental starting on units with a remote start/stop switch, always disconnect battery (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator.

⚠ WARNING

FLASH FIRE! When removing fuel line, use a proper container to catch all fuel. Do not smoke or permit flame or spark to occur near carburetor, fuel line, fuel pump, or other potential sources of spilled fuel or fuel vapors.

INSTALLATION

1. Disconnect battery, negative lead first.
2. Remove fuel line to fuel pump and plug end. Remove fuel line between fuel pump and carburetor. Use a proper container to catch all fuel.
3. Remove fuel pump lead at coil and cut lead insulink. Connect new lead to coil.
4. Remove fuel pump and bracket assembly from generator set. Remove fuel pump from bracket. Bracket, one lock washer, and one screw will not be reused.
5. Mount fuel pump to new bracket using two screws and lock washers. Mount so that in the installed position, the fuel pump inlet is toward the outside of the generator set.
6. Position fuel pump and bracket assembly so that fuel pump is within the parameter of the mounting tray. Mark position of bracket holes on tray.
7. Drill two .281 (7.1 mm) diameter holes in tray.

NOTE

If the tray lip is obstructed by the compartment door frame, it will be necessary to raise or remove the generator set in order to drill hole.

8. Mount fuel pump to tray using two screws, lock washers, and nuts.

NOTE

One screw is mounted from the underside of the tray. If sub-flooring is used, it will be necessary to raise or remove the generator set.

9. Connect fuel line to carburetor using pipe sealant on male threads. Pry open insulated clamps (X-672-15) and place on fuel line. Connect one clamp to right-side mounting boss at original fuel pump mounting location. Use existing screw and lock washer. Connect second clamp using baffle screw just above oil filter.
10. Connect hose assembly to fuel line and fuel pump after applying pipe sealant to male threads.
11. Route leads from coil away from exhaust system using cable ties. Strip end of fuel pump lead and crimp-on lead at insulink.
12. Pry open insulated clamp (X-672-14) and place over fuel pump lead just below oil filter.
13. Drill one .109 in. (2.8 mm) diameter hole and mount clamp using drill screw.
14. Reconnect fuel line to fuel pump inlet.
15. If generator set mounting screws were removed to install kit, replace and check installation.
16. Reconnect battery, negative lead last.
17. Start generator set and check for fuel leaks. Stop generator set.

PARTS LISTING

Part No.	Description	Qty.
X-5-1	Screw, 1/4-20 x 5/8"	4
X-20-1	Washer, 1/4" Lock	4
X-81-1	Nut, 1/4-20	4
X-468-2	Tie, 4" Cable	2
X-672-14	Clamp, Insulated (.203 in. mtg. hole)	1
X-672-15	Clamp, Insulated (.281 in. mtg. hole)	2
X-794-2	Screw, #8-18 x 1/2" Drill	1
278080	Bracket, Fuel Pump	1
278122	Hose Assembly	1
278130	Line, Fuel	1
LN-1820-1404	Lead	1

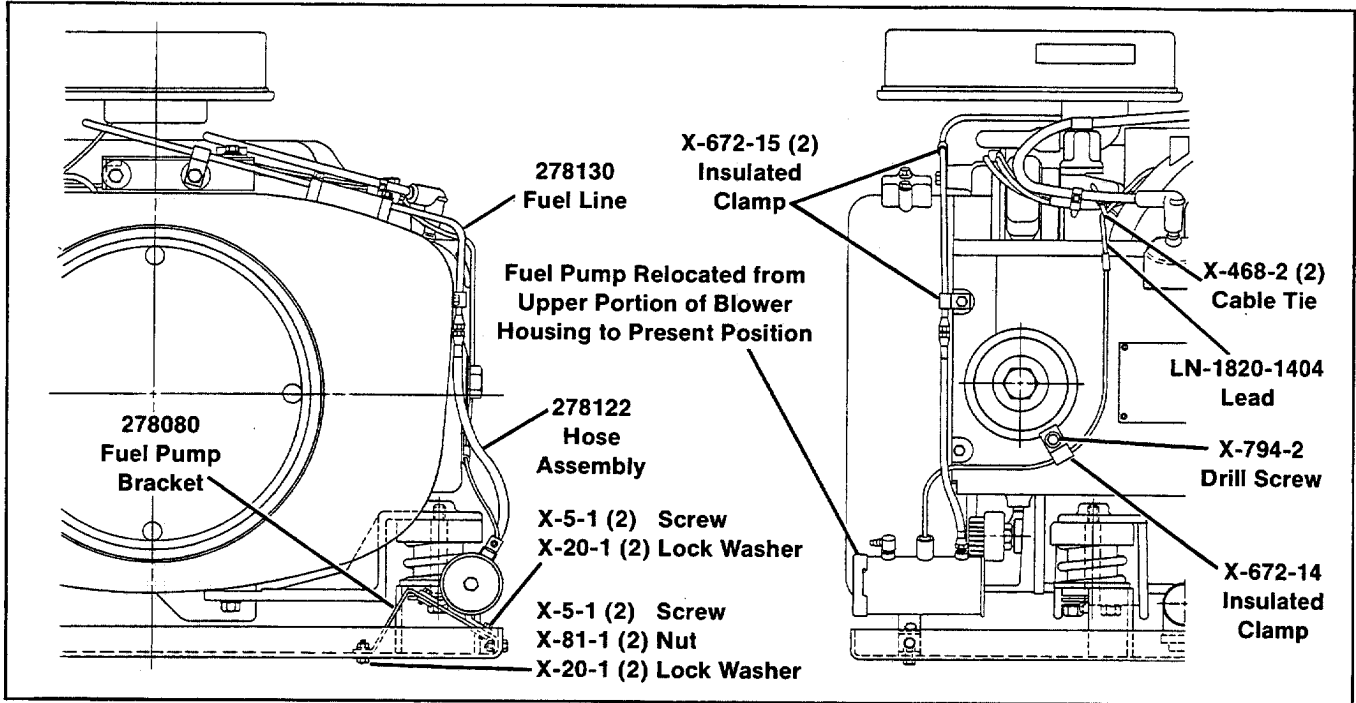


Figure 1. Fuel Pump Relocation Kit