

SERVICE BULLETIN

Original Issue Date: **5/98**
 Model: **4/6.5ESZ and 3.5/5EFZ**
 Market: **Marine**
 Subject: **Fuel Pressure Regulator**

Kohler Co. Generator Division has received reports of improper operation of fuel pressure regulator part number 239683 used on 4/6.5ESZ and 3.5/5EFZ marine models, specification numbers PA-125237 through PA-125251. The epoxy that is used to seal in the adjustment screw on the regulator can prevent the diaphragm from displacing air as it regulates the fuel pressure. This can lodge the diaphragm and prevent the unit from starting or cause the unit to shut down during operation.

Kohler Co. Generator Division has taken action to eliminate this problem from reoccurring in manufacturing of the regulator.

If you encounter low- or no-fuel output from the regulator on units with serial number 471979 or earlier, replace the regulator with a new regulator, part number 239683.

Examine your service stock to determine if you have any of the unmodified regulators. Identify a *modified* regulator by observing a small hole drilled into the side of the casting above the diaphragm.


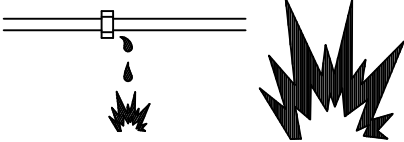
Follow normal warranty practices and procedures for this change. Submit a Warranty Claim (Form K-1500) and refer to this service bulletin (SB-573). Use flat rate number 2830/1.0 hour for this replacement. Return any unmodified service stock of this regulator for an exchange.

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) Disconnect power to battery charger, if equipped. 2) Remove battery cables (remove negative (-) lead first). Reconnect negative (-) lead last when reconnecting battery. Follow these precautions to prevent starting of generator set by the remote start/stop switch.

 WARNING

<p>Fire. Can cause severe injury or death.</p> <p>Do not smoke or permit flame or spark to occur near fuel or fuel system.</p>

Servicing fuel system. A flash fire can cause severe injury or death. Do not smoke or permit flame or spark to occur near carburetor, fuel line, fuel filter, fuel pump, or other potential sources of spilled fuel or fuel vapors. Catch all fuel in a suitable container when removing fuel line or carburetor.

 WARNING

<p>Explosive fuel vapors. Can cause severe injury or death.</p> <p>Use extreme care when handling, storing, and using fuels.</p>

 **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.)

Routing	Service Manager	Sales Manager	Parts Manager	Technician No. 1	Technician No. 2	Technician No. 3	Return This to
Initial Here							

⚠ WARNING



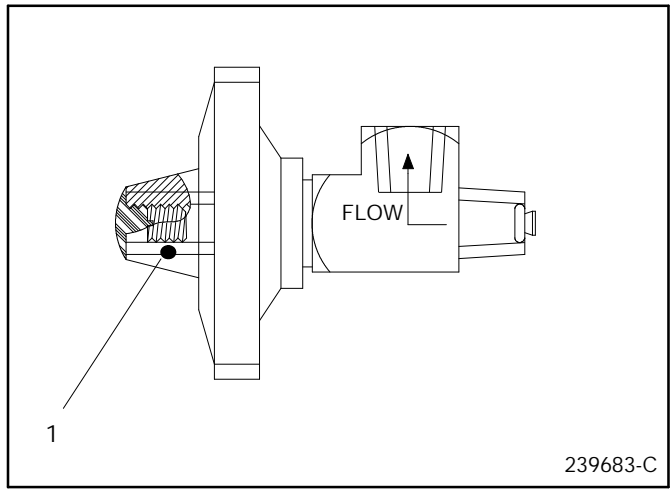
Explosion.
Gasoline vapors can cause explosion and severe injury or death.

Before starting generator set, operate blower 4 minutes and check engine compartment for gasoline vapors.

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.

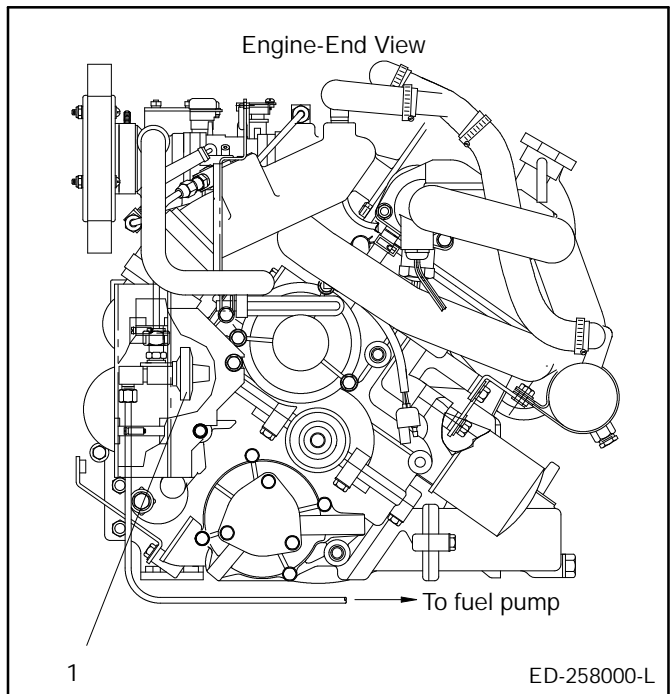
Draining fuel system. Explosive fuel vapors can cause severe injury or death. Spilled fuel can cause an explosion. Use a container to catch fuel when draining fuel system. Wipe up all spilled fuel after draining system.

Pipe sealant. Explosive fuel vapors can cause severe injury or death. Fuel leakage can cause an explosion. Use pipe sealant on all threaded fittings to prevent fuel leakage. Use pipe sealant which resists gasoline, grease, lubrication oil, common bilge solvents, salt deposits, and water.



1. Hole location

Figure 1. Pressure Regulator



1. Pressure regulator

Figure 2. Pressure Regulator Location On Unit