



### Engine Block Heater Kit PA-255269 20 ROZ — Fast-Response II

Kit	Volts	Watts
PA-255269	120	400

The Engine Block Heater Kit heats engine coolant, making starting easier and warm-up quicker.

#### **WARNING**

**UNIT STARTS WITHOUT NOTICE!** Units with Automatic Transfer Switches start automatically. Turn Generator Master Switch on controller to OFF position and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator.

#### **WARNING**

**HOT COOLANT!** Allow engine to cool and release pressure from cooling system before checking the coolant level. To release pressure, cover the radiator cap or surge tank cap in a thick cloth, then turn it slowly counter-clockwise to the first stop. After the pressure has been completely released and the engine has cooled, begin installation.

#### **INSTALLATION AND CONNECTION**

1. Place controller master switch to OFF position. Disconnect battery of generator set, negative lead first.
2. With generator set sufficiently cooled, drain the coolant into a suitable container.

#### **NOTE**

Petcock valve is located on radiator bottom and/or on engine block.

3. Remove freeze plug from engine. See Figure 1 for location. To remove freeze plug, use a freeze plug

puller, or puncture center with punch and remove by using slide hammer with an "L" shaped tip. Clean hole and remove burrs.

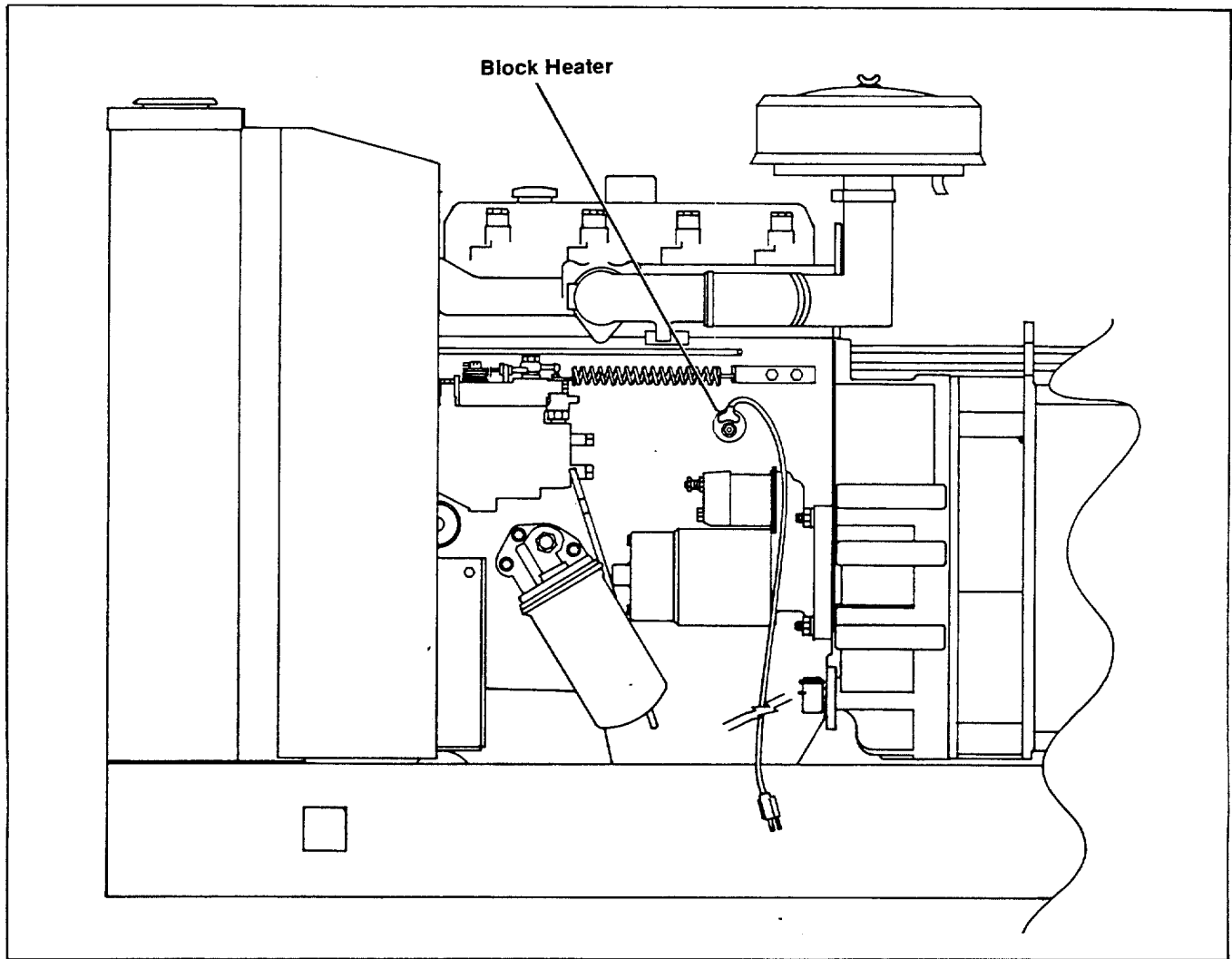
#### **CAUTION**

Be careful not to damage sealing surface.

4. Lubricate O-ring and hole in block with a thin coating of grease.
5. Insert block heater with heater element pointed upward.
6. Check that O-ring is properly seated. If necessary, use a soft-faced hammer to seat O-ring.
7. Tighten screw/nut until block heater is securely held in engine block. Torque to 20 in./lbs. (2.26 Nm).
8. Connect heater cord plug to receptacle in heater assembly. Use cable ties to secure cord and to prevent contact with exhaust system.
9. Close petcock valves on radiator and/or engine block.
10. Fill cooling system to proper level with fresh coolant.
11. Connect block heater plug to proper voltage outlet. Wait a few minutes and check for temperature increase at block heater.
12. Check that the controller master switch is in the OFF position. Reconnect battery, negative lead last.
13. Test run the generator set for a few minutes and check for leaks.

#### **CAUTION**

Special attention should be given when checking for proper coolant level. After a radiator has been drained, it normally requires some time before complete refill of all air cavities takes place.



**Figure 1. Block Heater Mounting**