

## To install the oil filter/battery heaters:

1. Do not begin work until unit has cooled completely. Open roof. Put unit start switch in 'OFF' position and remove the 7.5A fuse. Disconnect (at the transfer switch) any utility inputs to the unit.
2. Remove door. Remove fasteners securing control panel cover and set aside (Figure 1).
3. Using a clean towel, wipe the bottom of the battery to remove any dirt, oil, or other contaminants. Install battery heater by placing underneath battery (Figure 2).
- ⚠ **Hot oil may cause burns. Allow engine to cool before draining oil. Avoid prolonged or repeated skin exposure with used oil. Thoroughly wash exposed areas with soap.**
4. Drain oil, then remove engine oil filter. Take care and clean up any spilled oil.
5. Refer to your owner's manual to determine the proper weight (5W30, 10W30, etc.) for the environmental temperature range your generator will be operating in.
6. Install new oil filter. Wipe filter to remove any dirt, oil, etc. Fill engine with oil to full mark on dipstick.
7. Install oil filter heater by sliding over filter with lead wires oriented away from engine (Figure 3).
8. Some units may already be equipped with accessory connectors to plug in both heaters (Figure 4). If your unit is so equipped, plug in heaters and skip to Step 12. If accessory connectors are not present, proceed to Step 9.
9. Run one harness extension connector to battery heater and plug in.
10. Run the other harness extension connector through engine divider panel with the main wire harness, tie wrapping to the main harness for strain relief. Run connector underneath engine, tie wrapping wire for strain relief (Figure 3). Note to leave enough slack to be able to remove heater for oil changes.
11. Plug harness extension wires into 240 VAC Input Sense terminal block (Figure 5). BOTH HEATERS REQUIRE 240 VAC TO OPERATE.
12. Check harness extension routing to ensure wires will not be pinched or cut. Use tie wraps where necessary.
13. Replace control panel cover and secure with fasteners removed in Step 2. Replace door, 7.5A DC fuse and reconnect AC utility to unit at transfer switch. Set unit start switch to desired position and close roof.

⚠ **Any attempt to crank or start the engine before it has been properly serviced with the recommended oil may result in an engine failure.**

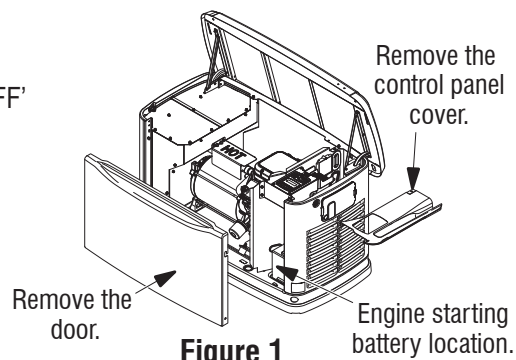


Figure 1

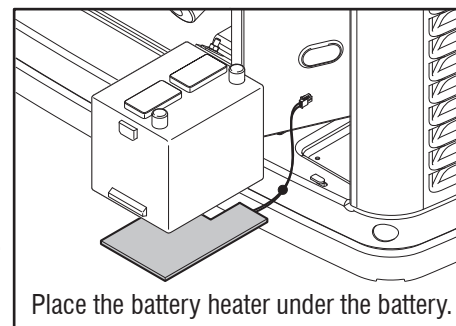


Figure 2

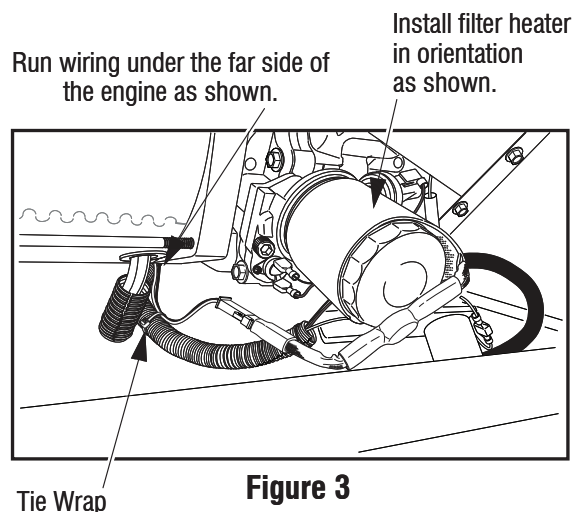
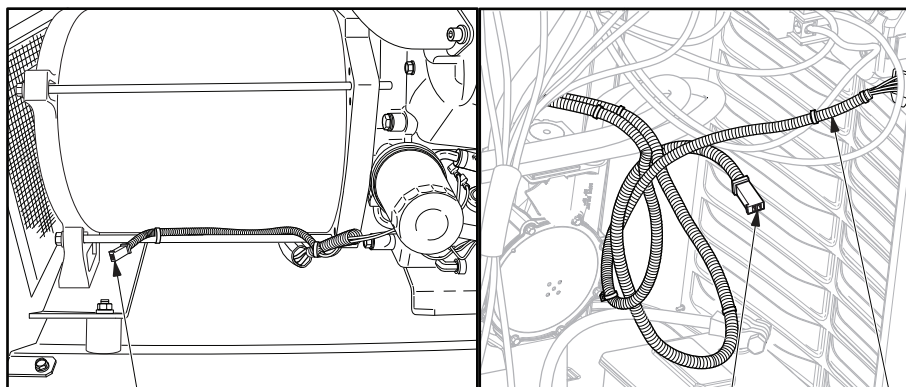


Figure 3



The accessory wire with connector for the oil filter heater would be tie wrapped to the lower stator bolt if present.

The accessory wire with connector for the battery heater would be tie wrapped to the LED wire in the battery compartment if present.

Figure 4

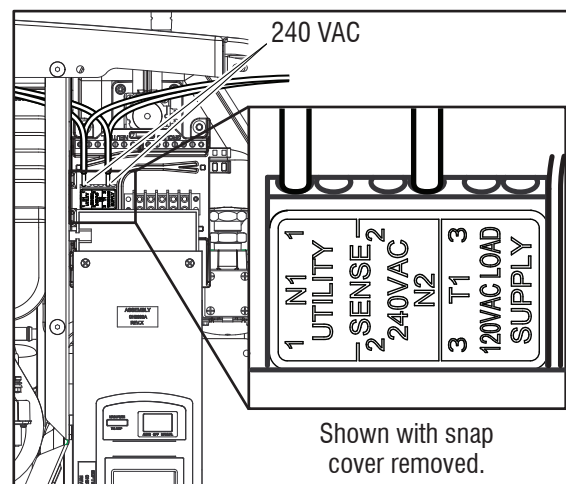


Figure 5