

5.10 Anticorrosion Zinc Anode

The heat exchanger contains an anticorrosion zinc anode (plug) to prevent electrolytic corrosion of generator components by seawater.

Check and replace the zinc anode at intervals recommended by the operation manual's service schedule.

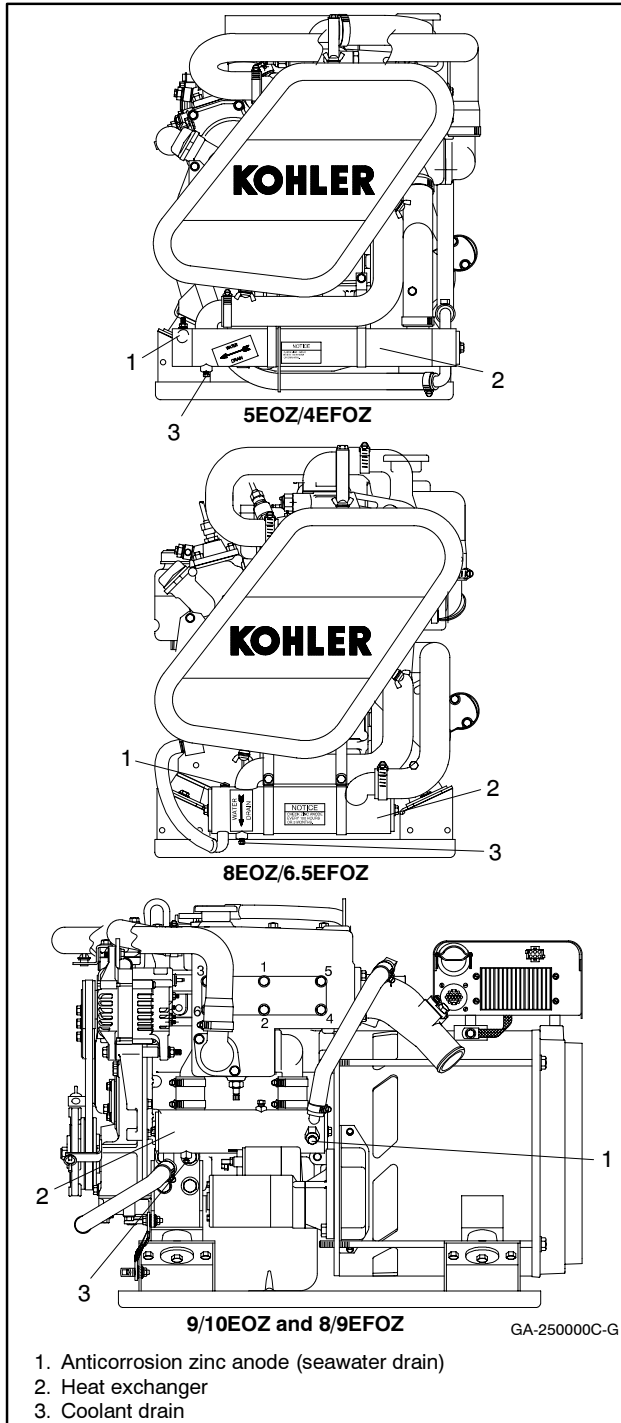


Figure 5-9 Anticorrosion Zinc Anode

Anticorrosion Zinc Anode Replacement Procedure

1. With the generator set cooled, close the seacock, remove the zinc plug from the heat exchanger, and drain the coolant into a container.
2. Remove the corrosion on the zinc anode. Replace the anode when the percent of the zinc remaining is less than 50% of the length and diameter shown in Figure 5-10.
3. Clean the threaded opening of the heat exchanger and coat the threads of the zinc anode with pipe sealant.
4. Install the zinc anode into the heat exchanger.
5. Open the seacock.
6. Refill the cooling system.
7. Start the generator set and check for leaks at the zinc anode's location. The pump is operating if cooling water flows from the exhaust outlet. If water is not discharging at the exhaust outlet stop the generator set. For seawater pump priming see the Prestart Checklist in the operation manual.

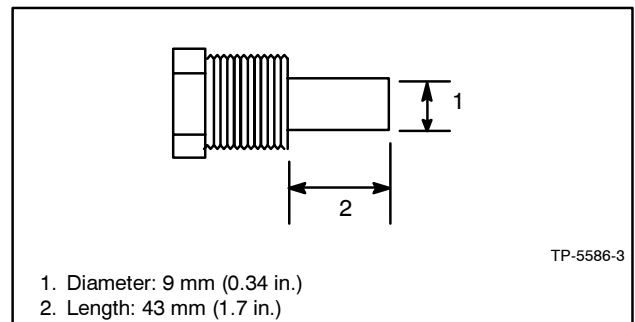


Figure 5-10 Anticorrosion Zinc Anode (Plug)