

TROUBLE-SHOOTING GUIDE

NO HEAT:

1. Check burner power switch and make sure power is available to the whole control system.
2. If included in system, check low-water cutoff and/or manual reset high limit.
3. Check room thermostat(s) and zone valves or pump relays (if used).
4. Make sure there is oil in tank.
5. Inquire if reset button on burner oil primary control has been tripped. If reset button continues to trip then **DO NOT ATTEMPT TO START BURNER.**

Open burner door by disconnecting the plug-in lead and remove the four hex head bolts. Examine the combustion chamber for unburned oil and oil vapor. If present, clean up oil.

With burner door open check cad cell for soot or dirt deposits, check nozzle and if clogged, replace with nozzle of identical make and style. Check electrodes for proper gap and for soot or oil deposits. Also check porcelains for cracks.

Close burner door and re-connect electric cord. Press reset button while watching through the observation port. If burner fires immediately and flame looks good, cycle several times.

If burner does not fire immediately, or if it fires but flame looks ragged and/or smoky, shut burner down and check the fuel delivery system. The problem may be air in the intake line so tighten all fittings and tighten the unused intake port plug. Also check the filter cover and gasket.

Also check the pump filter and clean it with a brush and fuel oil or kerosene if it looks dirty.

INADEQUATE HEAT:

1. Check thermostat and heat anticipator setting. A wrong setting can cause short cycling and inadequate heating.
2. Check to see if the distribution system is airbound. If pump and boiler are running and the pipe connection to the boiler supply port is hot, check the pipe temperature at the inlet to the first radiator. If it is cool or only lukewarm, then the problem is lack of circulation. Look for air in the system, a valve partially closed, a zone valve failed in the closed position, a pump failure. The most common fault is air in the system.

RELIEF VALVE LEAKS CONSTANTLY:

1. Check system pressure. With system hot, pressure should be in the 20 psi to 25 psi range, not to exceed 25 psi. With system cold, pressure should be in the 12-14 psi range. If pressure is over these ranges, then suspect the pressure reducing fill valve or the expansion tank. A diaphragm tank may be too small, may have a ruptured diaphragm (this would cause a very sharp rise in pressure as system water heats up and a sudden opening of the relief valve) or may be over-pressurized. A closed type expansion tank may be undersized, may be improperly piped to the boiler, may be water logged.
2. Relief valve may be defective, or it may have foreign material lodged on the seat.

EconoHeat Inc.
Omni Waste Oil Boilers
Limited Warranty

Econo Heat (manufacturer) warrants to the purchaser of Waste Oil Boilers will be free from defects in materials and workmanship for the durations specified below, which duration begins on the date of delivery to the customer. Customer is responsible for maintaining proof of date of delivery.

If return is deemed necessary for warranty evaluation and determination of repair or replacement, boiler is to be sent to the factory with freight prepaid. Econo Heat reserves the right to determine appropriate action for repair or replacement.

No parts will be accepted by Econo Heat without RA# (return authorization number) clearly marked on outside of shipping package. Obtaining RA# requires model and serial numbers, description of part being replaced and nature of defect. Call factory to receive RA#.

Warranty Covers:

1. Boiler Cast Iron Jacket, One (1) year. (Parts Only)
2. Stainless Steel Combustion Tube Insert, five (5) years limited. (Parts Only)
3. Oil Pre-Heater Block, twenty (20) years. (Parts Only)
4. Oil Pre-Heater Block Controller PCB, three (3) years. (Parts Only)
5. All other components, one (1) year. (Parts Only)

This warranty is void if:

1. Warranty registration card is not returned within thirty (30) days of purchase.
2. Any part or component subject to abuse or altered from original manufactures specifications.
3. Installation not in accordance with instructions.
4. Has not been properly maintained, operated or has been misused.
5. Wiring not in accordance with diagram furnished with boiler.
6. Boiler is operated in the presence of chlorinated vapors.

Warranty is limited to the original purchaser.

The above warranty is in lieu of all other warranties expressed or implied. Econo Heat does not authorize any person or representative to make or assume any other obligation or liability that is not in accordance with above warranty. **Econo Heat is not responsible for any labor cost unless prior authorization in writing has been obtained.**

