

Electrical System Warning

The HOOT Aerobic System features a custom designed control panel made of proprietary parts. Just like the rest of the treatment system, it may only be serviced by a certified HOOT Installer/Service Provider. Although an electrician may be employed by an installer to make the final hook-up, an electrician is not qualified to do service on our control panel unless under the direct supervision of a HOOT Certified Service provider. Electrical diagrams are made available only to our authorized service personnel for their use in servicing our system.

The HOOT Aerobic Treatment System Diagram

1. **Inlet** - where the wastewater enters the system from the home
2. **Pretreatment Tank** - where anaerobic digestion occurs and storage for non-biodegradeable materials
3. **Aeration Chamber** - where air is introduced into the sewage for digestion
4. **Clarifier** - a still chamber where solids settle out and the clear effluent rises
6. **Pump Tank** - where the treated and disinfected effluent is stored prior to discharge
7. **Effluent Pump** - how the treated water is discharged from the system
8. **Discharge Line** - to the disposal method prescribed by law or chosen by installer
9. **Sampling Port** - used by service personnel to inspect effluent quality
10. **Probe** - turns on and off the pump based on water level
11. **Pump Wire** - from pump to the control panel
12. **HOOT System Controller** - operates and regulates the control of the system
13. **Power Line (30 Amp)** - independent breaker provided by homeowner, builder or qualified electrician, necessary for proper operation of the system
14. **Troy Air Linear Air Blower** - long life, efficient linear blower which compresses atmospheric air and under pressure delivers it to the tank.
15. **Air Manifold** - delivers the air from the line to the stones for diffusion into the sewage
16. **Aeration line** - delivers the air from the pump to the manifold
17. **High Water Probe** - turns the pump on - also alarm probe if pump fails to come on
18. **Low Water Probe** - the off switch for the pump
19. **Probe Ground** - generates the low level signal in the water which is sensed by the probes
20. **Aeration Stone** - air is finely diffused from the stone into the aeration chamber
21. **15" Covers** - provide access to each component of the system for service. Are usually brought to grade level to meet local regulations and for serviceability.