

http://www.mygreathome.com/fix-it_guide/heat_tape.htm

How To Install Heat Tape

Don't run the risk of letting your water pipes freeze. It's relatively easy to install heat tape and it's a good way to prevent major damage to your manufactured home. If your freshwater pipes are already wrapped in heat tape, check that the heat tape was properly installed, and periodically check the heat tape to make sure it isn't worn or frayed.

To check existing heat tapes, use the directions that follow. It's an important safety check of your home. Many manufactured home fires are the result of improperly installed heat tape.

You should apply heat tape to all exterior water supply piping and shutoff valves. Also protect any interior water pipes that run along outside walls or anywhere that the temperature may drop below freezing.

How much heat tape you will need depends on the length, size and type of the pipe. You need to know the pipe length and diameter and the number of valves or faucets along the run. To determine how much heat tape you'll require, consult the manufacturer's guidelines.

CAUTION! Because you are, in effect, wrapping an electrical wire around your water supply pipes, it's very important that you:

- Read all the directions.
- Use only laboratory-tested heat tape, authorized for use with manufactured homes.
- Do not cross the heat tape back over itself. This could overheat the tape and start a fire.

If your water supply piping is plastic, **ONLY** use automatic thermostatically controlled heat tape. Non-automatic heat tapes can damage plastic pipes, especially if the taped pipes are covered with insulation.

For this job you'll need automatic heat tape (the kind with a thermostat), electrical tape, and pipe insulation (which could take the form of a waterproof insulated pipe jacket, or pipe insulation with vapor seal cover). Some heat tape kits combine several of these items.

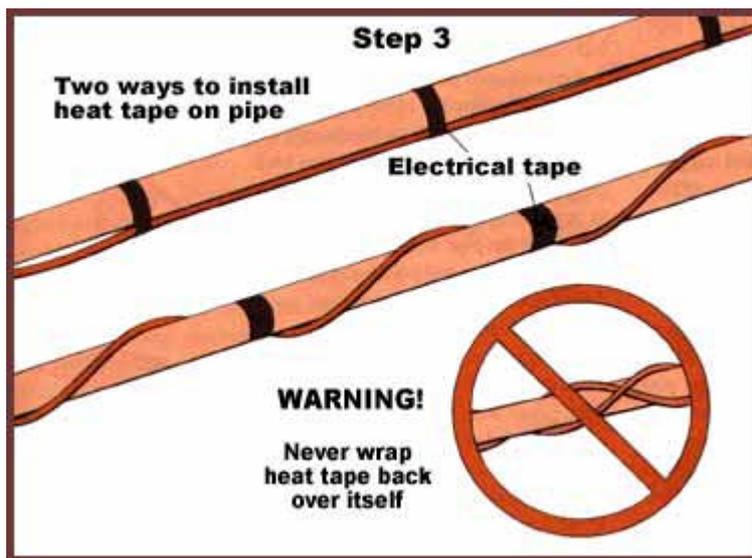
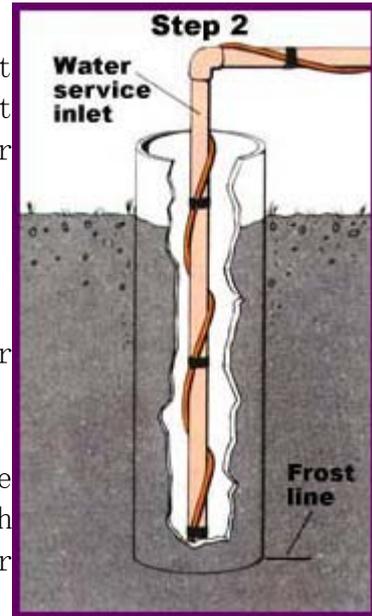
STEP 1: Check pipes

Do not install heat tape over leaking pipes. Not only will a slow leak damage insulation, but it may also short out the heat tape. Pay particular attention when you check the pipe joints for leaks.

STEP 2: Attach to pipe

Use only automatic heat tape, with heavy rubber insulation around the wires. Do NOT use non-automatic heat tape, as this could damage plastic pipes. Start with the plug end next to the outlet, and run the heat tape the entire length of the freshwater supply pipe. Also wrap the water pipe below ground level, to the frost level.

Methods for attaching heat tape to the pipe vary. Some types of heat tape wrap around the pipe, some run along one side of the pipe. Follow the manufacturer's instructions.

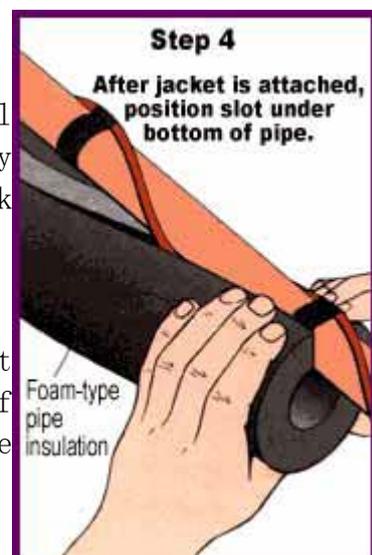


STEP 3: Attach heat tape

Space wraps according to the manufacturer's guidelines. Use electrical tape, not electrical wire, to hold the heat tape in place. It is very important that you never cross the heat tape back over itself: this creates a real fire hazard.

STEP 4: Insulate

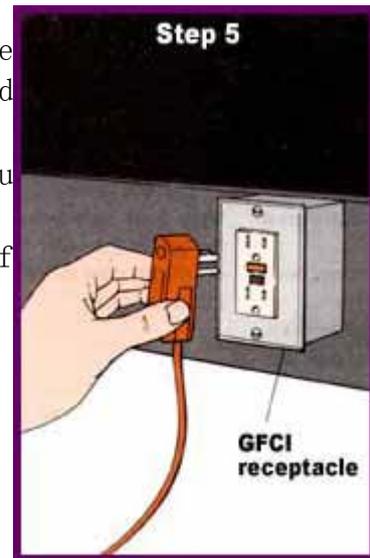
It's a good idea to cover the water pipe and heat tape with pipe insulation or pipe jacketing. If the insulation does not have a weather-protective



outer surface, you will need to cover it with a waterproof wrap.

STEP 5: Plug it in

Don't forget to plug in your heat tape before the onset of cold weather. Do not use an extension cord. The heat tape must plug directly into a Ground Fault Circuit Interrupter (GFCI) receptacle. You should find a GFCI protected outlet underneath your manufactured home, near the water inlet. If not, you will need to install one.



<http://plumbing.hardwarestore.com/52-299-heat-tape.aspx>

Heat Tape

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[Braided Heat Cable, 18' Easy Heat Freeze Free Easy Heat Pipe Heating Cable, EasyHeat # AHB-118](#)

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[Application Tape, 30' EasyHeat 6' EasyHeat # AHB-016 # HCA](#)

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Temperature - controlled cable runs straight along pipe and Pipe heating system for use with Easy Heat Freeze Free CSA Certified when used in Each cable is UL Listed to Canadian Safety Standards and

application tape and plugs into cables. Used to warn people accordance with instructions on grounded electrical outlet. that a pipe is being heated. metal and water-filled plastic pipes. Each cable consists of Keeps water flowing to -40. Pipe requires 1/2" non-flammable [Minimize](#) or [Learn More more...](#) tough PVC inner insulation, a insulation such as fiberglass. For plastic pipe, its recommended wrapping pipe with aluminum foil before cable installation. continuous ground braid and weather resistant PVC outer jacket. AHB units are activated and de-activated by an integral energy saving thermostat. The traditional resistance cable produces a fixed amount of heat based on the electrical line feed. It comes with a built-in thermostat that switches the flow of electricity on and off based on temperature. 120 volts. 7 watts per foot. CSA listed.

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[EasyHeat Electric Pipe Heating EasyHeat Freeze Free Heating Cable, 100'](#) [EasyHeat # Cable, 12'](#) [EasyHeat # AHB-112 Connector Kit EasyHeat # 2102](#)
[10802](#)

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Temperature - controlled cable runs straight along pipe and This kit provides the specially designed fused plug to connect cable. This core is conductive application tape and plugs into one Freeze Free heater into a and adjusts according to the grounded electrical outlet. electrical outlet and a cable end surrounding temperatures. Keeps water flowing to -40. Pipe seal. Some plug assembly When it is cold, the cable's core requires 1/2" non-flammable required. has many conductive paths that

[Minimize](#) or [Learn More more...](#) center of pipe run. Metal pipe center of pipe run. Metal pipe requires 1/2" Fiberglass requires 1/2" Fiberglass insulation around cable. For insulation around cable. For plastic pipe, its recommended plastic pipe, its recommended wrapping pipe with aluminum wrapping pipe with aluminum foil before cable installation. foil before cable installation. The traditional resistance cable The traditional resistance cable produces a fixed amount of produces a fixed amount of heat based on the electrical line heat based on the electrical line feed. It comes with a built-in feed. It comes with a built-in thermostat that switches the thermostat that switches the flow of electricity on and off flow of electricity on and off based on temperature. 120 based on temperature. 120 volts. 7 watts per foot. CSA volts. 7 watts per foot. CSA listed. Starts up at 38°F and off listed. Starts up at 38°F and off at 45°F. at 45°F.

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[EasyHeat Braided Heat Tape, Easyheat Heater Tape, 30' Easyheat Heater Tape, 40' 15' EasyHeat # AHB-115](#)

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Temperature - controlled cable Temperature - controlled cable Temperature - controlled cable runs straight along pipe and runs straight along pipe and runs straight along pipe and valves, held in place by valves, held in place by valves, held in place by application tape and plugs into application tape and plugs into application tape and plugs into grounded electrical outlet. grounded electrical outlet. grounded electrical outlet. Keeps water flowing down to Keeps water flowing down to Keeps water flowing down to -380. For odd lengths of pipe -380. For odd lengths of pipe -380. For odd lengths of pipe over 3/4" in diameter, we over 3/4" in diameter, we over 3/4" in diameter, we

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Temperature - controlled cableTemperature - controlled cableTemperature - controlled cable runs straight along pipe and runs straight along pipe and runs straight along pipe and valves, held in place by valves, held in place by valves, held in place by application tape and plugs into application tape and plugs into application tape and plugs into grounded electrical outlet. grounded electrical outlet. grounded electrical outlet.

Keeps water flowing down to -380. For odd lengths of pipe over 3/4" in diameter, we recommend two separate cables on opposite sides of the pipe with up to 3' of overrun at center of pipe run. Metal pipe requires 1/2" Fiberglass insulation around cable. For plastic pipe, its recommended wrapping pipe with aluminum foil before cable installation. The traditional resistance cable produces a fixed amount of heat based on the electrical line feed. It comes with a built-in thermostat that switches the flow of electricity on and off based on temperature. 120 volts. 7 watts per foot. Not U.L. Listed. Starts up at 38°F and off at 45°F.

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Designed to prevent water line freeze up. Ready to install, freeze up. Ready to install, freeze up. Ready to install, freeze up. Ready to install,

grounded cord and plug, grounded cord and plug, grounded cord and plug, thermostat controlled with pilot thermostat controlled with pilot thermostat controlled with pilot light. UL and CSA approved. light. UL and CSA approved. light. UL and CSA approved.

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Automatic thermostat preset to comes on at 38°F and turn off at 58°F.

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Designed to prevent water line freeze up. Ready to install, grounded cord and plug, thermostat controlled with pilot light. UL and CSA approved. Designed to prevent water line freeze up. Ready to install, grounded cord and plug, thermostat controlled with pilot light. UL and CSA approved. Designed to prevent water line freeze up. Ready to install, grounded cord and plug, thermostat controlled with pilot light. UL and CSA approved.

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