

CORROSION GUARD

Instruction Manual



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Important Safety Information:

For the safe use of this product please read the safety instructions in this guide as well as in your water heater's use and care guide carefully before operating, repairing, or adjusting the water heater. Failure to do so may result in fire explosion, electric shock, property damage, personal injury, and loss of life.

	Alert: This symbol is used to identify different levels of physical injury hazards and special instructions. By following the safety message of this symbol users can avoid possible property damage, serious injury, and death. Do not remove any permanent instruction labels or the data plate from either the outside of the water heater or on the inside of the access panels. Always keep this manual near the water heater.
	Danger: This symbol indicates a hazardous situation that, if not avoided, will result in serious injury or death.
	Warning: This symbol indicates a hazardous situation that, if not avoided, could result in serious injury or death.
	Caution: This symbol indicates hazardous situation that if not avoided could result in minor or moderate injury.
	Notice: This symbol indicated practices that are not related to physical injuries.

Warning:

- Install the Corrosion Guard as per the instructions described in this manual. If you are not skilled and do not understand the instructions, please contact a qualified service professional.
- Once the installation is completed, make sure to check for leaks after 24 hours.
- The Corrosion Guard system must be installed according to all local and state codes or in the absence of local codes, the current edition of the "National Electrical Code", ANSI/NFPA 70.
- Increasing the thermostat setting above the preset Temperature may cause severe burns and consume Excessive energy. Hotter water increases the risk of scald injury.

 Warning

Electric shock risk contact with electrical components can result in server injury or death from electric shock.

- Make sure the power supply is off before installing and servicing the corrosion guard.
- Disconnect power by opening the circuit breaker or removing the fuses before installing or servicing.
- Use a non-contact circuit tester to confirm that power is off before working on or near any electrical parts.
- Do not touch electrical wiring.
- Replace the junction box cover and access doors after servicing.
- Replace all parts and panels before operating. Failure to do so can result in death or electrical shock.

 Warning**Gas Water Heaters:****Fire & Explosion**

Risk Shut off the main gas supply before servicing the water heater. Failure to do so can result in severe injury or death.

 Caution

The water heater is heavy. Follow these precautions to reduce the risk of property damage, injuries from lifting, or impact injuries from dropping the water heater.

- Use at least two people to lift the water heater.
- Be sure you both have a good grip before lifting.
- Use an appliance dolly or hand truck to move the water heater

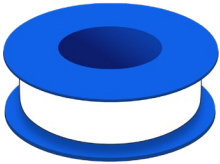
BOX CONTENTS

- ✓ Anode Rod
- ✓ Power unit
- ✓ Teflon tape

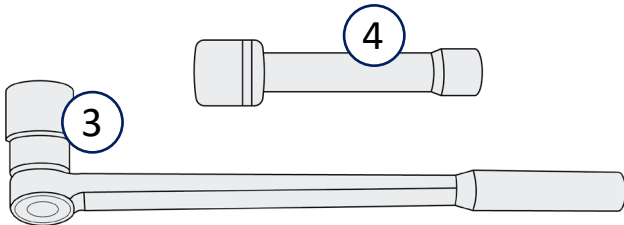
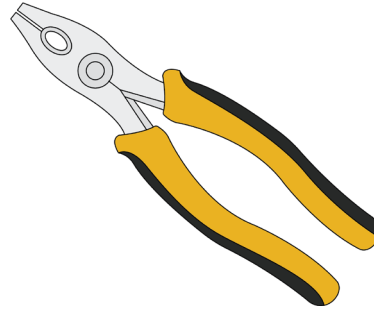


TOOLS REQUIRED FOR INSTALLATION

①



②



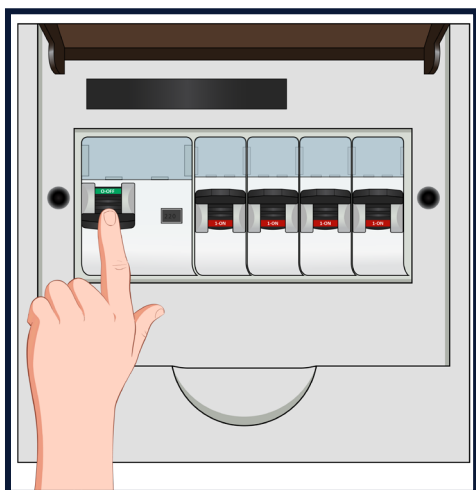
⑤



- ① Teflon tape
- ② Universal pliers
- ③ Ratchet wrench with a 1 1/16" socket
- ④ Ratchet wrench with a 31mm socket (you can also use an adjustable wrench or a 1 3/16 socket).
- ⑤ Robertson screw driver (squared-headed)

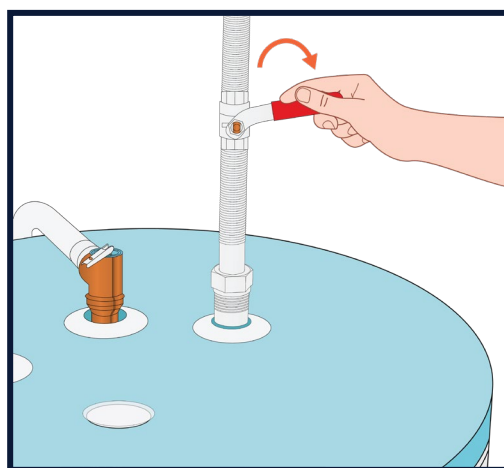
INSTALLATION STEPS

- CORROSION GUARD

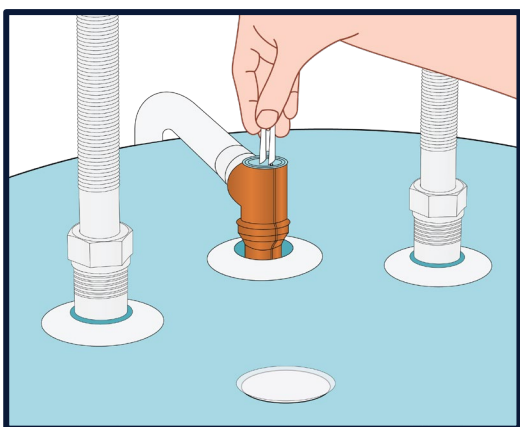


1. Turn off power supply.

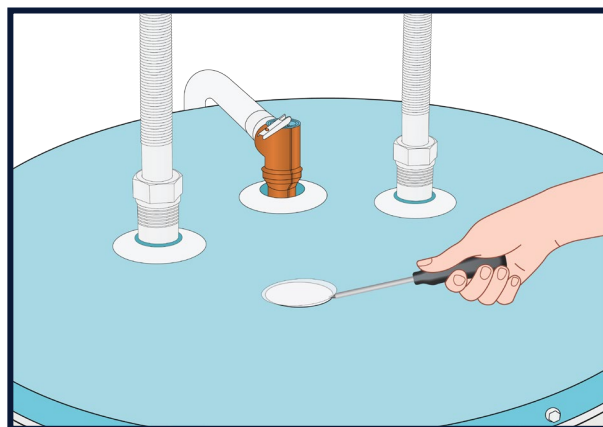
Warning: Move the thermostat for gas heaters from on to the off position.



2. Turn off the water supply.

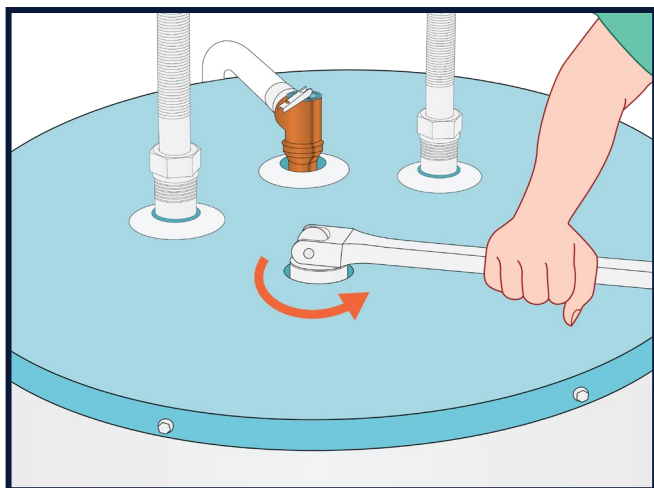


3. Release water pressure from the tank.

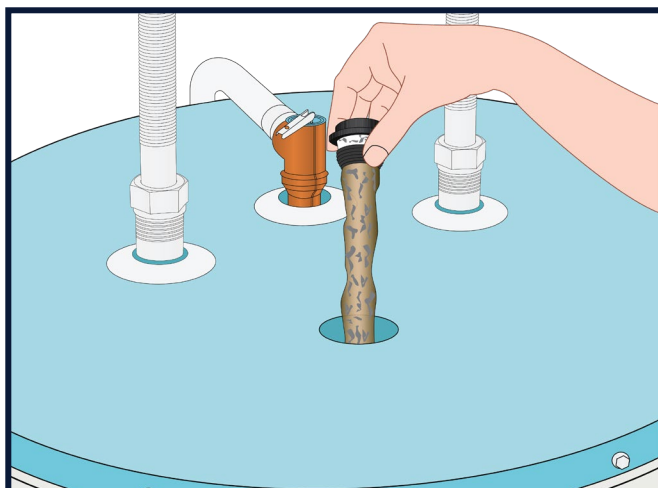


4. Locate the anode rod (hexagonal) position on the top of the tank, remove the cap and the insulation with a screwdriver or pliers.

Note: If you can't locate the anode, follow the steps for an integrated anode instead.

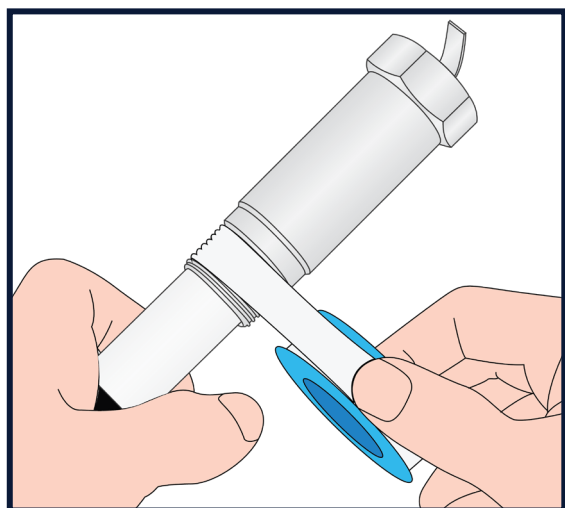


5. Use a ratchet wrench fitted with a 1-1/16-inch socket to unscrew the anode rod, turning it counterclockwise.



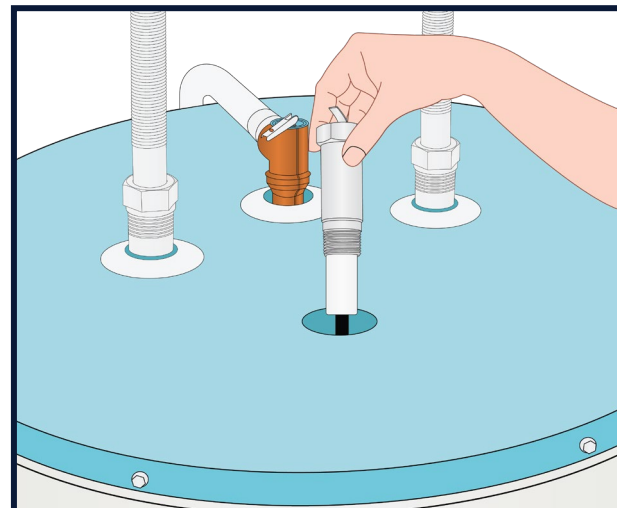
6. Lifts the anode rod straight out of the tank with pliers.

Caution: Be careful! The metal may be hot.

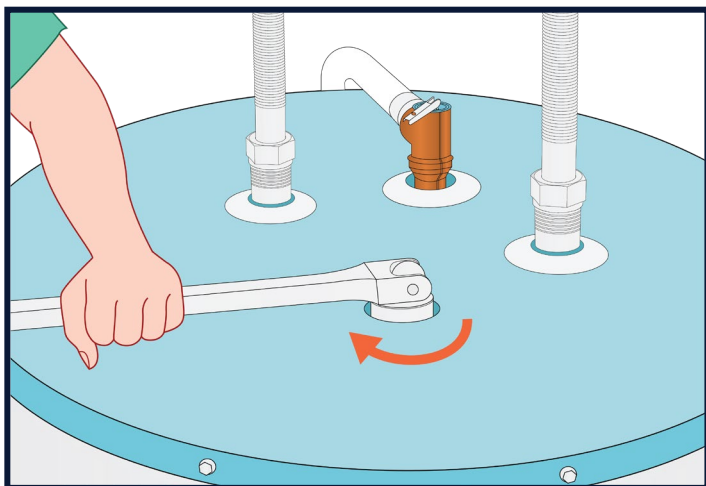


7. Next wrap Teflon tape six or more turns receipt on the lower part of the new anode rod in a clockwise direction.

Note: To get a good seal, clean the threads of a tank with a wire brush.

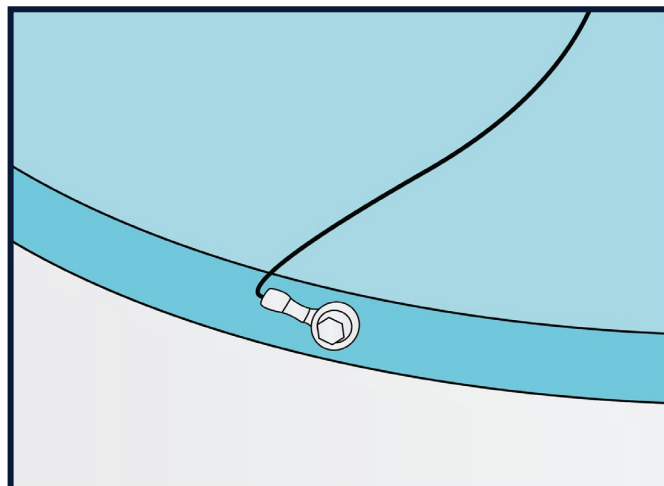


8. Install the Corrosion Guard and screw it into place until it is hand tight.

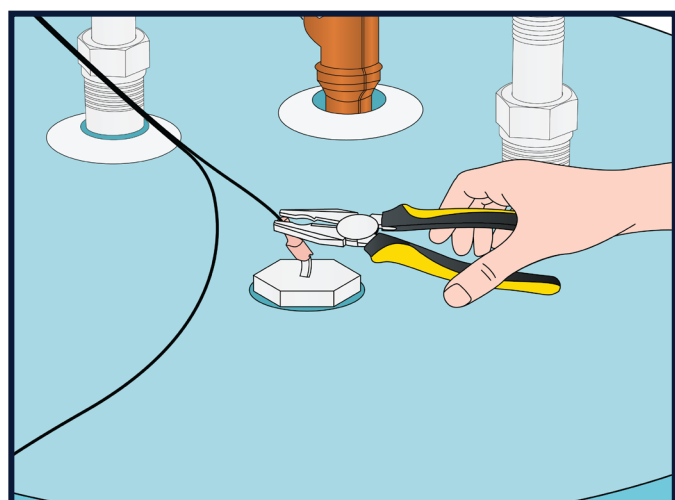


9. Use a ratchet wrench fitted with a 31mm socket to screw the anode rod, turning it clockwise.

Note: Do not use excessive force when tightening the rod.

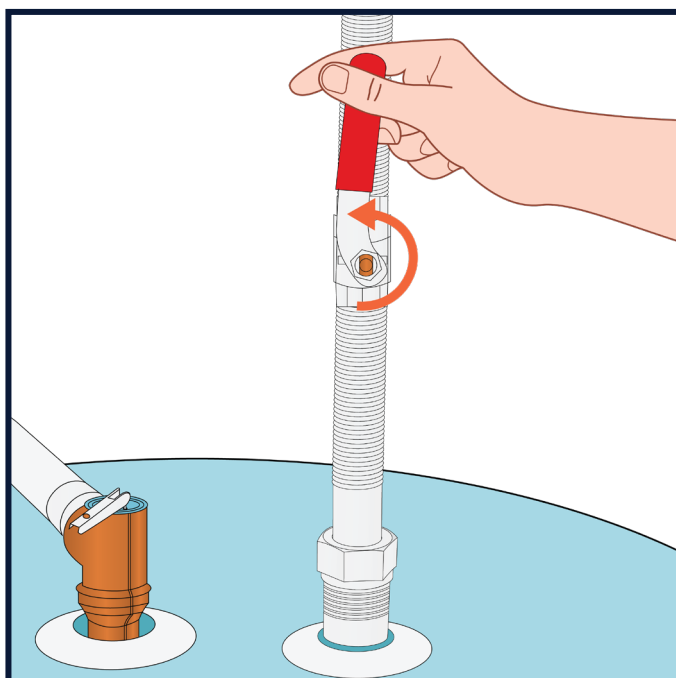


10. Install the (black) grounding connection on one of the tank cover screws. The power adapter will not work without this step.

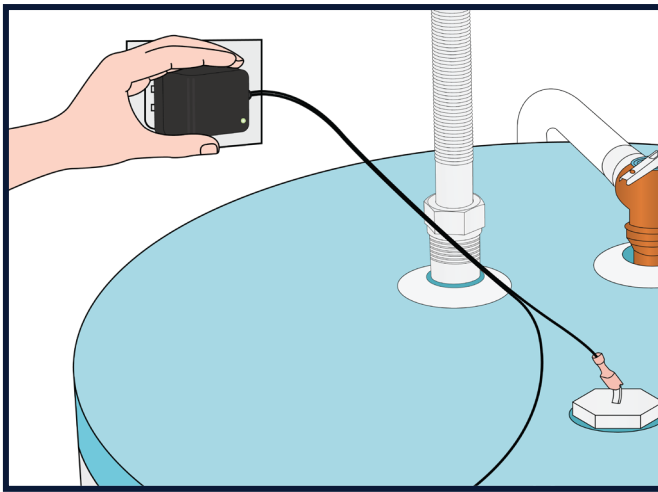


11. Connect the (red) female connector with the end piece of the anode rod.

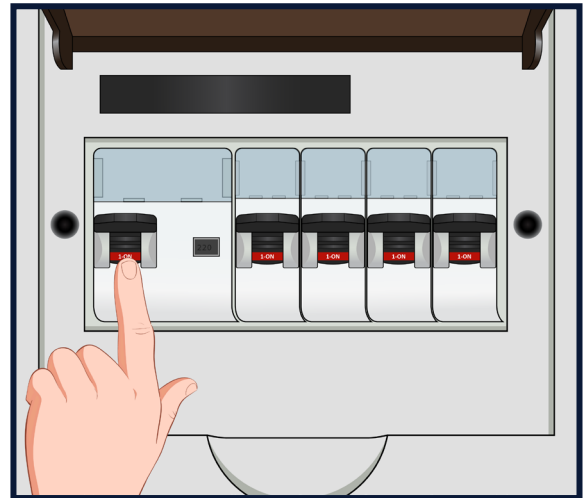
Note: Make sure to press firmly with universal pliers.



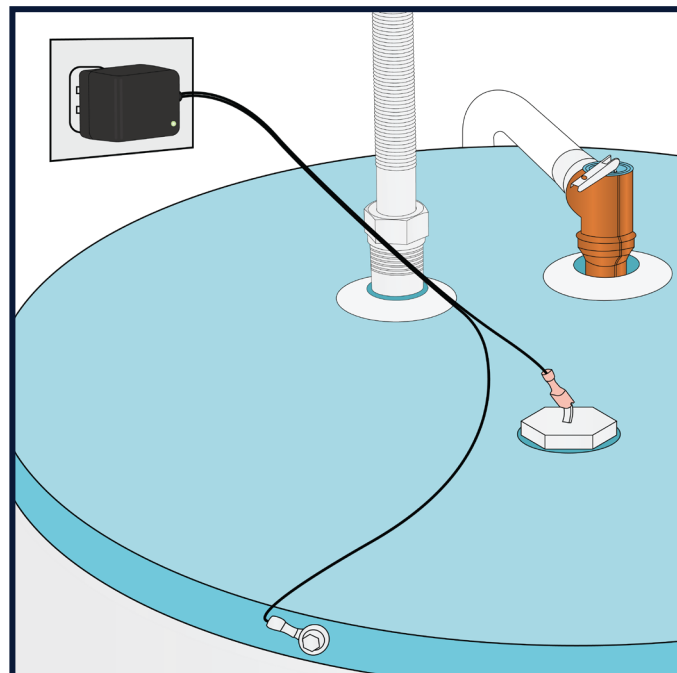
12. Turn the water supply back on and make sure the tank is full.



13. Turn the water supply back on and make sure the tank is full.



14. Turn on power supply.

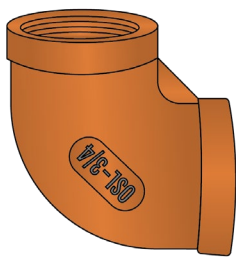


15. Done! The LED-control light should now be green upon a successful installation. Providing protection for many years to come.

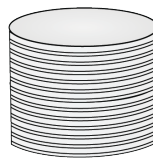
Note: Make sure to check the rod threads carefully for leaks in the next 24 hours.

RESERVOIRS WITH INTEGRATED ANODE

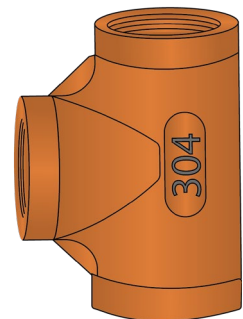
Fittings Required:



3/4 Inch 90 Degree Elbow

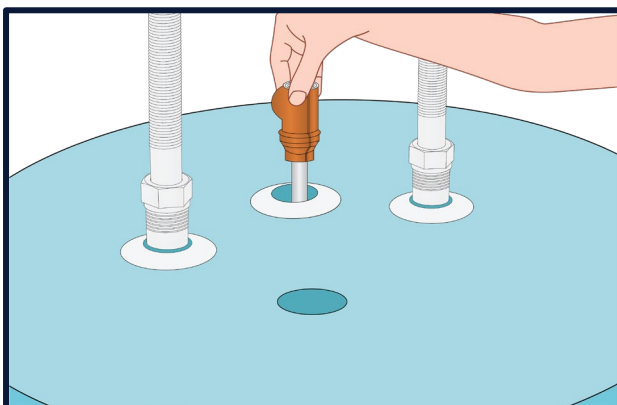


3/4 Inch Nipple Pipe

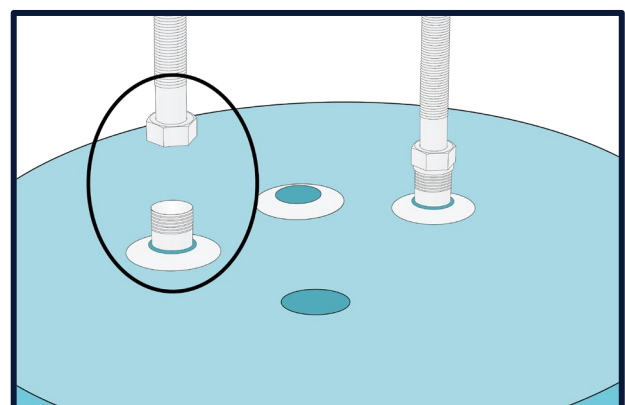


3/4 Inch Tee

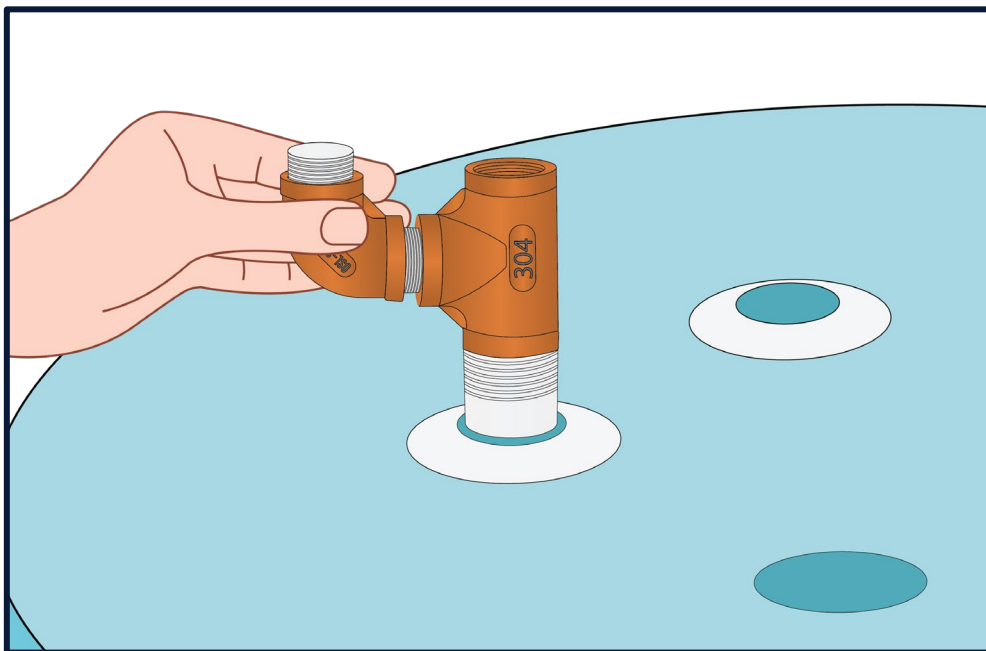
Steps to Install Integrated Anode Rod



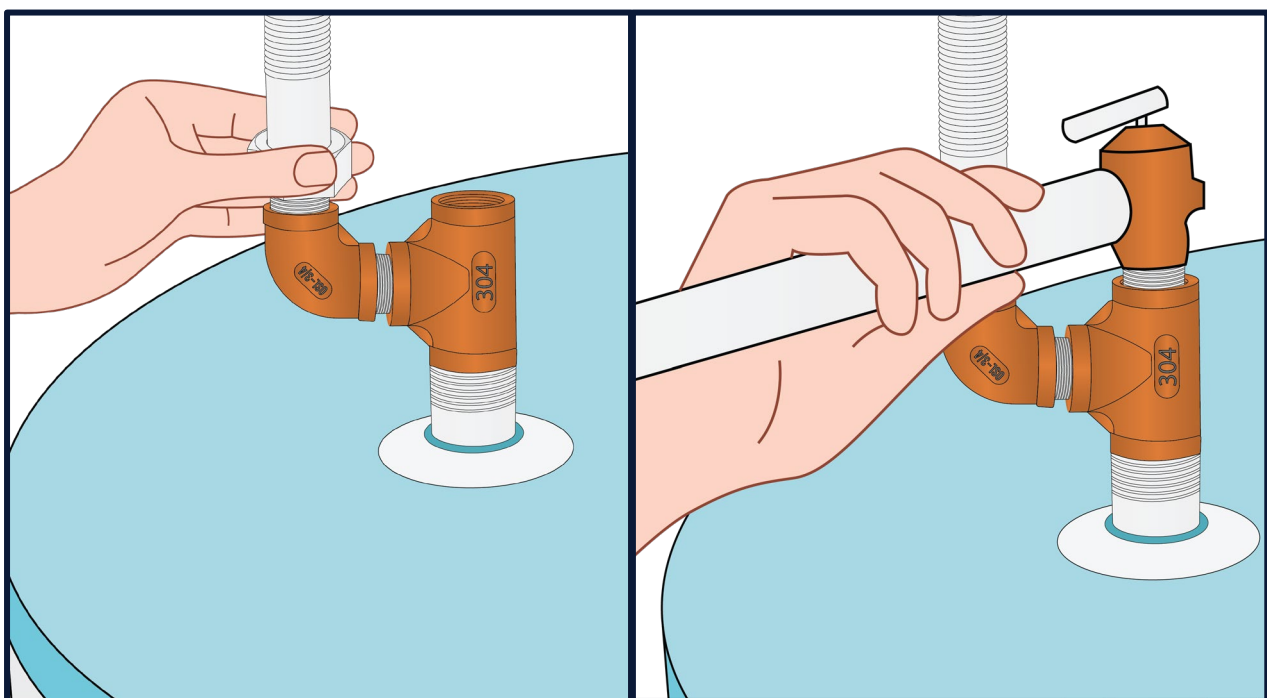
1. Remove the safety valve from the top of the tank (it may also be on the side of the tank).



2. Unscrew the hot water outlet pipe.



3. Put a Tee adapter and a 90-degree elbow fitting on the water heater outlet.



4. Add the safety valve to the top of the adapter and connect the outlet to the other end.

Continue installation as seen in step #7. You should install the Corrosion Guard in the hole in which the safety valve was, initially. It is not required to withdraw the magnesium anode from the reservoir.



Maintenance

- The water heater should be inspected at a minimum of annually by a qualified service technician for damaged components.
- DO NOT operate this water heater if any part is found damaged.
- Shut off the electric power whenever the water supply to the water heater is off.
- In order to ensure efficient operation and long tank life, drain the water heater at least once a month through the drain valve until the water runs clear. Failure to do this may result in noisy operation and lime and sediment buildup in the bottom of the tank.
- Check the temperature-pressure relief valve to ensure that the valve has not become encrusted with lime. Lift the lever at the top of the valve several times until the valve seats properly without leaking and operates freely.

Troubleshooting

To ensure the corrosion guard works perfectly, the following conditions must be met.

- The rectifier must be connected
- Corrosion Guard must be connected to the rectifier
- The negative side must be installed on the water heater, as indicated in this instruction manual.
- The water heater must be functional (filled and operational).
- If the above conditions are met and the indicator light is not lit please contact us.

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The recording of the guarantee can be made both online and by post to the following address

Name of the home owner

Installation date

Serial number of the anode

Model number of the water heater

Serial number of the water heater



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