Use & Care Guide

Model No.

153.586420 38 Gallon







Kenmore® Table Top Electric Water Heater

For potable water heating only. Not suitable for space heating.

INSTALLER: Affix these instructions to or near the water heater.

OWNER: Retain these instructions for future reference.

ADVERTENCIA

Si no puede leer o entender el inglés y necesita el manual de instrucciones en español, puede solicitarlo al 1-800-821-2017. NO TRATE DE INSTALAR U OPERAR ESTE CALENTADOR DE AGUA SI NO ENTIENDE LAS INSTRUCCIONES. No hacer caso de esta advertencia podría originar lesiones graves o mortales.

P/N 100267599 (0915) Sears Brands Management Corporation, Hoffman Estates, IL 60179 U.S.A. www. kenmore.com



SAFE INSTALLATION. USE AND SERVICE

Your safety and the safety of others is extremely important in the installation, use and servicing of this water heater.

Many safety-related messages and instructions have been provided in this manual and on your own water heater to warn you and others of a potential injury hazard. Read and obey all safety messages and instructions throughout this manual. It is very important that the meaning of each safety message is understood by you and others who install, use or service this water heater.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



All safety messages will generally tell you about the type of hazard, what can happen if you do not follow the safety message and how to avoid the risk of injury.

The California Safe Drinking Water and Toxic Enforcement Act requires the Governor of California to publish a list of substances known to the State of California to cause cancer, birth defects, or other reproductive harm, and requires businesses to warn of potential exposure to such substances.

This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. This appliance can cause low level exposure to some of the substances listed in the act.

This product is certified to comply with a maximum weighted average of 0.25% lead content as required in some areas.

IMPORTANT DEFINITIONS

• Sears Service Center: The Sears Service Center has the ability equivalent to a licensed tradesman in the fields of plumbing and electrical work including a thorough understanding of the requirements of the National Electrical Code as it relates to the installation of electric water heaters. The Sears Service Center also has a thorough understanding of this instruction manual, and is able to perform repairs strictly in accordance with the service guidelines provided by the manufacturer.

GENERAL SAFETY



AWARNING

Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.

Failure to follow instructions and safety messages could result in death or serious injury.

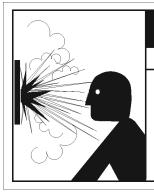
Instruction manual must remain with water heater.

CAUTION

Improper installation and use may result in property damage.

- · Do not operate water heater if flood damaged.
- · Inspect and replace the anode as needed.
- · Install in location with drainage.
- · Fill tank with water before operation.
- · Be alert for thermal expansion.

Refer to instruction manual for installation and service.



A WARNING

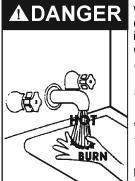
Explosion Hazard

- Overheated water can cause water tank explosion.
- Properly sized temperature and pressure relief valve must be installed in opening provided.



A WARNING

- Before removing any access panels or servicing the water heater, make sure the electrical supply to the water heater is turned "OFF".
- Failure to do this could result in death, serious bodily injury, or property damage.



Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.

Feel water before bathing or showering.

Temperature limiting valves are available.

Read instruction manual for safe temperature setting.

A WARNING

Fire Hazard / Electric Shock Hazard



- Do not use this water heater with any voltage other than shown on the model rating plate.
- Failure to use the correct voltage shown on the model rating plate could result in death, serious bodily injury, or property damage.



PRODUCT WARRANTY

KENMORE LIMITED WARRANTY

WITH PROOF OF SALE, the following warranty coverage applies when this water heater is correctly connected, installed, operated and maintained according to all supplied instructions. In all cases, replacement units, tanks or parts are warranted only for the unexpired portion of the warranty period from the original date of sale.

FOR ONE YEAR from the date of sale this water heater is warranted against defects in material or workmanship. A defective water heater will receive free repair or replacement at option of seller.

FOR SIX YEARS from the date of sale this water heater is warranted against leaks in the tank. If a tank leak occurs within the first year, a new water heater of equal capacity and quality will be supplied and installed at no charge. If a tank leak occurs after the first year, a new water heater of equal capacity and quality will be supplied but not installed at no charge. You are responsible for the labor cost of water heater installation after the first year from the date of sale.

FOR SIX YEARS from the date of sale all water heater parts are warranted against defects in material or workmanship. If a part is defective within the first year, a new part will be supplied and installed at no charge. If a part is defective after the first year, a new part will be supplied but not installed at no charge. You are responsible for the labor cost of part installation after the first year from the date of sale.

For warranty coverage details to obtain free repair or replacement, visit the web page: www.kenmore.com/warranty

This warranty applies for only two years on the tank and one year on all parts if this water heater is ever used in a residence of more than one family or in a commercial, institutional or industrial installation.

This warranty covers ONLY defects in material and workmanship, and will NOT pay for:

- Expendable items that can wear out from normal use, including but not limited to filters, belts, bags or screw-in base light bulbs.
- A service technician to clean or maintain this appliance, or to instruct the user in correct appliance installation, operation and maintenance.
- Service calls to correct appliance installation not performed by Sears authorized service agents, or to repair problems with house fuses, circuit breakers, house wiring, and plumbing or gas supply systems resulting from such installation.

Master Protection Agreements

Congratulations on making a smart purchase. Your new Kenmore® product is designed and manufactured for years of dependable operation. But like all products, it may require preventive maintenance or repair from time to time. That's when having a Master Protection Agreement can save you money and aggravation.

The Master Protection Agreement also helps extend the life of your new product. Here's what the Agreement* includes:

- Parts and labor not just for repairing defects, but to help keep products operating properly under normal use. Our coverage goes well beyond the product warranty. No deductibles, no functional failure excluded from coverage— real protection.
- Expert service by a force of more than 10,000 authorized Sears service technicians, which means someone you can trust will be working on your product.
- Unlimited service calls and nationwide service, as often as you want us, whenever you want us.
- "No-lemon" guarantee replacement of your covered product if four or more product failures occur within twelve months.
- Product replacement if your covered product can't be fixed.
- Annual Preventive Maintenance Check at your request no extra charge
- Fast help by phone we call it Rapid Resolution phone support from a Sears representative on all products. Think of us as a "talking owner's manual."

- Damage to or failure of this appliance resulting from installation not performed by Sears authorized service agents, including installation that was not in accord with electrical, gas or plumbing codes.
- Damage to or failure of this appliance, including discoloration or surface rust, if it is not correctly operated and maintained according to all supplied instructions.
- Damage to or failure of this appliance, including discoloration or surface rust, resulting from accident, alteration, abuse, misuse or use for other than its intended purpose.
- Damage to or failure of this appliance, including discoloration or surface rust, caused by the use of detergents, cleaners, chemicals or utensils other than those recommended in all instructions supplied with the product.
- 8. Damage to or failure of parts or systems resulting from unauthorized modifications made to this appliance.
- Service to an appliance if the model and serial plate is missing, altered, or cannot easily be determined to have the appropriate certification logo.

Disclaimer of implied warranties; limitation of remedies

Customer's sole and exclusive remedy under this limited warranty shall be product repair or replacement as provided herein. Implied warranties, including warranties of merchantability or fitness for a particular purpose, are limited to one year on the water heater, and six years on the tank and parts, or the shortest period allowed by law. Seller shall not be liable for incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitation on the duration of implied warranties of merchantability or fitness, so these exclusions or limitations may not apply to you.

This warranty applies only while this appliance is used in the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears Brands Management Corporation, Hoffman Estates, IL 60179

- Power surge protection against electrical damage due to power fluctuations.
- \$250 Food Loss Protection annually for any food spoilage that is the result of mechanical failure of any covered refrigerator or freezer.
- Rental reimbursement if repair of your covered product takes longer than promised.
- 25% discount off the regular price of any non-covered repair service and related installed parts.

Once you purchase the Agreement, a simple phone call is all that it takes for you to schedule service. You can call anytime day or night, or schedule a service appointment online.

The Master Protection Agreement is a risk free purchase. If you cancel for any reason during the product warranty period, we will provide a full refund. Or, a prorated refund anytime after the product warranty period expires. Purchase your Master Protection Agreement today!

Some limitations and exclusions apply. For prices and additional information in the U.S.A. call 1-800-827-6655.

* Coverage in Canada varies on some items. For full details call Sears Canada at 1-800-361-6665.

Sears Installation Service

For Sears professional installation of home appliances, garage door openers, water heaters, and other major home items, in the U.S.A. call 1-844-553-6667, and in Canada call 1-800-469-4663.

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INTRODUCTION

Thank You for purchasing a Sears water heater. Properly installed and maintained, it should give you years of trouble free service. It is strongly suggested that this new water heater be professionally installed, contact the local Sears Service Center or any Sears store. They will arrange for prompt, quality installation by Sears authorized contractors.

Abbreviations Found In This Instruction Manual:

UL - Underwriters Laboratories Inc.

NEC - National Electrical Code

ANSI - American National Standards Institute

 Read the "General Safety" section, page 3 of this manual first and then the entire manual carefully. If you don't follow the safety rules, the water heater will not operate properly. It could cause DEATH, SERIOUS BODILY INJURY AND/OR PROPERTY DAMAGE.

This manual contains instructions for the installation, operation, and maintenance of this electric water heater. It also contains warnings throughout the manual that you must read and be aware of. All warnings and all instructions are essential to the proper operation of the water heater and your safety. Since we cannot put everything on the first few pages, READ THIS ENTIRE MANUAL BEFORE ATTEMPTING TO INSTALL OR OPERATE THE WATER HEATER.

- The installation must conform with the instructions in this manual; electric company rules; and Local Codes, or in the absence of Local Codes, with the current edition of the NEC - National Electrical Code, NFPA 70. This publication is available from your local government or public library or electric company or by writing Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062. It can also be obtained from the National Fire Protection Association, 11 Tracy Drive, Avon, MA 02322-9908.
- If after reading this manual you have any questions or do not understand any portion of the instructions, call Sears Service Center.
- Carefully plan the place where you are going to put the water heater. Correct electrical wiring and connections are very important in preventing death from possible electrical shock and fires.

Examine the location to ensure the water heater complies with the "Facts to Consider About the Location" section.

For California installation this water heater must be braced, anchored, or strapped to avoid falling or moving during an earthquake. Correct installation procedure instructions may be obtained from California Office of the State Architect, 1102 Q street, Suite 5100, Sacramento, CA 95811. Instructions can also be downloaded to your computer at www/dsa.dgs.ca.gov/Pubs.

Massachusetts Code requires this water heater to be installed in accordance with Massachusetts 248-CMR 2.00; State Plumbing Code and 248-CMR 5.00. In the Commonwealth of Massachusetts, this product must be installed by a licensed plumber or gasfitter.

PRODUCT SPECIFICATIONS

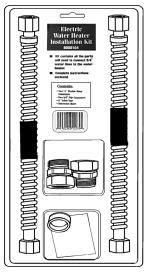
MODEL	TANK CAPACITY IN GALLONS	DIMENSIONS IN INCHES (mm)			RECOVERY RATE GALS. PER HOUR	ELEMENT WATTAGE	MINIMUM WIRE SIZE*	MAXIMUM FUSE OR CIRCUIT
NUMBER		Width	Depth	Height	@90°F Rise	@240 VOLTS	(GAUGE)	BREAKER SIZE (AMPS)
153.586420	38	24 (610)	25 (635)	36 (914)	21.0	4500	10	30

^{*} Wiring size based on standard 60°C copper wire. If distance from fuse box to water heater is more than 90 feet, refer to your local electrical code.

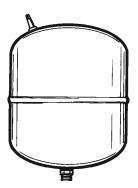
MATERIALS AND BASIC TOOLS NEEDED

Materials Needed

To simplify the installation Sears has available the installation parts shown below. You may or may not need all of these materials, depending on your type of installation.



WATER HEATER INSTALLATION KIT WITH FLEXIBLE CONNECTORS FOR 3/4" THREADED OR COPPER PLUMBING.



EXPANSION TANKS FOR THERMAL EXPANSION CONDITIONS AVAILABLE IN 2 GALLONS, AND 5 GALLONS CAPACITY THROUGH LOCAL SEARS STORE OR SERVICE CENTER.

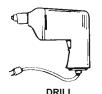


METAL DRAIN PANS AVAILABLE IN 20" DIAMETER FOR WATER **HEATERS HAVING A DIAMETER 18"** OR LESS AND IN 24" DIAMETER FOR WATER HEATERS HAVING A **DIAMETER OF 22" OR LESS.**

Basic Tools

You may or may not need all of these tools, depending on your type of installation. These tools can be purchased at your local Sears store.

Pipe Wrench (2) Screwdriver 6 Foot Tape or Folding Rule **Garden Hose** Drill Pipe Dope or Teflon Tape







PIPE DOPE (SQUEEZE TUBE) **USE FOR WATER CONNECTIONS**









Additional Tools Needed When Sweat Soldering

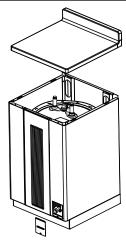
Tubing Cutters or Hacksaw Propane Torch Soft Solder Solder Flux **Emery Cloth** Wire Brushes **TUBING CUTTER HACKSAW ROLL OF** ROLL OF SOLDER **EMERY CLOTH** LEAD-FREE FLUX SOFT SOLDER 3/4" (19 mm) WIRE BRUSH **PROPANE**

1/2" (13 mm) WIRE BRUSH

TORCH

INSTALLATION INSTRUCTIONS

Removing the Old Water Heater



 Before beginning turn "OFF" the electric power supply to the water heater.

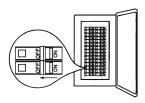


FIGURE 1

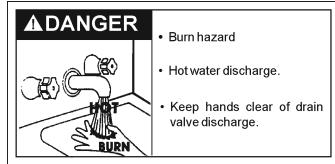
Open a nearby hot water faucet until the water is no longer hot.



Close the cold water inlet valve. Connect a hose to the drain valve and terminate it to an adequate drain or external to the building. Open the water heater drain valve and allow all of the water to drain from the tank.



FIGURE 3



The water passing out of the drain valve may be extremely hot. To avoid being scalded, make sure all connections are tight and

that the water flow is directed away from any person.

 Check again to make sure the electrical supply is turned "OFF" to the water heater. Then unplug the water heater (cord set) or disconnect the electrical supply connection from the water heater junction box.

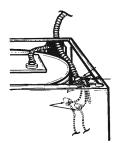
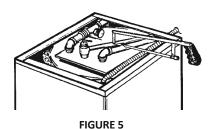
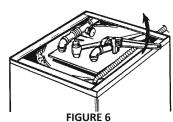


FIGURE 4

5a. If you have copper piping to the water heater, the two copper water pipes can be cut with a hacksaw approximately four inches away from where they connect to the water heater. This will avoid cutting off the pipes too short. Additional cuts can be made later if necessary. Disconnect the temperature-pressure relief valve drain line. When the water heater is drained, disconnect the hose from the drain valve. Close the drain valve. The water heater is now completely disconnected and ready to be removed.



5b. If you have galvanized pipe to the water heater, loosen the two galvanized pipes with a pipe wrench at the union in each line. Also disconnect the piping remaining to the water heater. These pieces should be saved since they may be needed when reconnecting the new water heater. Disconnect the temperature-pressure relief valve drain line. When the water heater is drained, disconnect the hose from the drain valve. Close the drain valve. The water heater is now completely disconnected and ready to be removed.



CAUTION

Mineral Buildup or Sediment May Accumulate

- This causes the water heater to become much heavier than normal.
- If spilled, could cause staining.

Mineral buildup or sediment may have accumulated in the old water heater. This causes the water heater to be much heavier than normal and this residue, if spilled out, could cause staining.

Facts to Consider About the Location

You should carefully choose an indoor location for the new water heater, because the placement is a very important consideration for the safety of the occupants in the building and for the most economical use of the appliance. This water heater is not intended for outdoor installation.

Whether replacing an old water heater or putting the water heater in a new location, the following critical points must be observed.

 The location selected should be indoors as close to and as centralized with the water piping system as possible. This water heater, as well as all water heaters, will eventually leak. Do not install without adequate drainage provisions where water flow will cause damage.

CAUTION

Property Damage Hazard

- All water heaters eventually leak
- Do not install without adequate drainage.

WATER HEATERS EVENTUALLY LEAK: Installation of the water heater must be accomplished in such a manner that if the tank or any connections should leak, the flow of water will not cause damage to the structure. When such locations cannot be avoided, a suitable drain pan should be installed under the water heater. Drain pans are available at your local hardware stores. Such a drain pan must be piped to an adequate drain.

Water heater life depends upon water quality, water pressure and the environment in which the water heater is installed. Water heaters are sometimes installed in locations where leakage may result in property damage, even with the use of a drain pan piped to a drain. However, unanticipated damage can be reduced or prevented by a leak detector or water shut-off device used in conjunction with a piped drain pan. These devices are available from some plumbing supply wholesalers and retailers, and detect and react to leakage in various ways:

- Sensors mounted in the drain pan that trigger an alarm or turn off the incoming water to the water heater when leakage is detected.
- Sensors mounted in the drain pan that turn off the water supply to the entire home when water is detected in the drain pan.
- Water supply shut-off devices that activate based on the water pressure differential between the cold water and hot water pipes connected to the water heater.

CAUTION

Installations in Residential Garages

Water heater must be located in a protective area.

INSTALLATION IN RESIDENTIAL GARAGES: The water heater must be located and/or protected so it is not subject to physical damage by a moving vehicle.

- The location selection must provide adequate clearances for servicing and proper operation of the water heater.
- Keep combustibles such as boxes, magazines, clothes, etc., away from the water heater area.

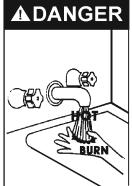
Insulation Blankets

Insulation blankets are available to the general public for external use on electric water heaters but are not necessary with this product. The purpose of an insulation blanket is to reduce the standby heat loss encountered with storage tank heaters. Your water heater meets or exceeds the National Appliance Energy Conversation Act standards with respect to insulation and standby loss requirements, making an insulation blanket unnecessary.

Should you choose to apply an insulation blanket to this heater, you should follow these instructions below. Failure to follow these instructions can result in fire, serious personal injury, or death.

- <u>Do not</u> cover the temperature and pressure relief (T & P) valve with an insulation blanket.
- <u>Do not</u> cover the instruction manual. Keep it on the side of the water heater or nearby for future reference.
- <u>Do</u> obtain new warning and instruction labels for placement on the blanket directly over the existing labels.

Water Piping



Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.

Feel water before bathing or showering.

Temperature limiting valves are available.

Read instruction manual for safe temperature setting.

HOTTER WATER CAN SCALD: Water heaters are intended to produce hot water. Water heated to a temperature which will satisfy space heating, clothes washing, dish washing, and other sanitizing needs can scald and permanently injure you upon contact. Some people are more likely to be permanently injured by hot water than others. These include the elderly, children, the infirm, or physically/mentally handicapped. If anyone using hot water in your home fits into one of these groups or if there is a local code or state law requiring a certain temperature water

at the hot water tap, then you must take special precautions. In addition to using the lowest possible temperature setting that satisfies your hot water needs, a means such as a mixing valve, should be used at the hot water taps used by these people or at the water heater. Mixing valves are available at plumbing supply or hardware stores. Follow manufacturers instructions for installation of the valves. Before changing the factory setting on the thermostat, read the "Temperature Regulation" section in this manual.

If a water heater is installed in a closed water supply system; such as one having a back-flow preventer, check valve, water meter with a check valve, etc... in the cold water supply; means must be provided to control thermal expansion. Contact the local utility or Sears Service Center on how to control this situation.

See FIGURE 7 (below) for mixing valve usage.

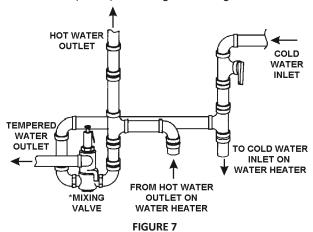


FIGURE 7 shows the attachment of the water piping to the water heater. The water heater is equipped with 3/4" water connections.

NOTE: If using copper tubing, solder tubing to an adapter before attaching the adaptor to the cold water inlet connection. Do not solder the cold water supply line directly to the cold water inlet. It will harm the dip tube and damage the tank.

CAUTION

Property Damage Hazard

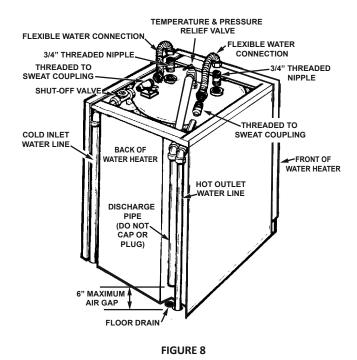
- · Avoid water heater damage.
- · Install thermal expansion tank if necessary.
- · Do not apply heat to cold water inlet.
- Contact qualified installer or service agency.
- Take off the cabinet top to make all the water and electrical connections. Pull the cabinet top forward, all the way until it is free. When replacing the top, put it on the clips, almost to the back, push down and then push back.

NOTE: FIGURE 8 shows a typical installation.

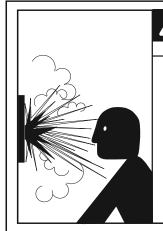
- 2. Locate the hot water outlet, and put two or three turns of Teflon® tape around the threaded end of the 3/4" threaded nipple (See FIGURE 8). Using flexible connectors, connect the hot water pipe to the hot water outlet on the water heater.
- 3. Locate the cold water inlet, and put two or three turns of Teflon® tape around the threaded end of the 3/4" threaded

nipple (See FIGURE 8). Using flexible connectors, connect the cold water pipe to the cold water inlet of the water heater.

NOTE: Your water heater is super insulated to minimize heat loss from the tank. Further reduction in heat loss can be accomplished by insulating the hot water lines from the water heater.



Temperature-Pressure Relief Valve



AWARNING

Explosion Hazard

- Temperature-pressure relief valve must comply with ANSI Z21.22-CSA 4.4 and ASME code.
- Properly sized temperaturepressure relief valve must be installed in opening provided.
- Do not plug, block, or cap the discharge line.
- Failure to follow this warning can result in excessive tank pressure, serious injury or death.

This heater is provided with a properly certified combination temperature - pressure relief valve by the manufacturer.

The valve is certified by a nationally recognized testing laboratory that maintains periodic inspection of production of listed equipment of materials as meeting the requirements for Relief Valves for Hot Water Supply Systems, ANSI Z21.22 • CSA 4.4, and the code requirements of ASME.

If replaced, the valve must meet the requirements of local codes, but not less than a combination temperature and pressure relief valve certified as indicated in the above paragraph.

The valve must be marked with a maximum set pressure not to exceed the marked hydrostatic working pressure of the water heater (150 psi = 1,035 kPa) and a discharge capacity not less than the water heater input rate as shown on the model rating plate. (For electric heaters, watts x 3.412 equals Btu/hr input rate). For safe operation of the water heater, the relief valve must not be removed from its designated opening nor plugged.

The temperature-pressure relief valve must be installed directly into the fitting of the water heater designed for the relief valve. Position the valve downward and provide tubing so that any discharge will exit only within 6 inches (153 mm) above, or at any distance below the structural floor. Be certain that no contact is made with any live electrical part. The discharge opening must not be blocked or reduced in size under any circumstances. Excessive length, over 30 feet (9.14 m), or use of more than four elbows can cause restriction and reduce the discharge capacity of the valve.

CAUTION

Water Damage Hazard

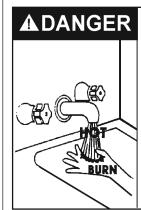
 Temperature-pressure relief valve discharge pipe must terminate at adequate drain.

No valve or other obstruction is to be placed between the relief valve and the tank. Do not connect tubing directly to discharge drain unless a 6 inch air gap is provided. To prevent bodily injury, hazard to life, or property damage, the relief valve must be allowed to discharge water in quantities should circumstances demand. If the discharge pipe is not connected to a drain or other suitable means, the water flow may cause property damage.

The Discharge Pipe:

 Must not be smaller in size than the outlet pipe size of the valve, or have any reducing couplings or other restrictions.

- Must not be plugged or blocked.
- · Must be of material listed for hot water distribution.
- Must be installed so as to allow complete drainage of both the temperature-pressure relief valve, and the discharge pipe.
- Must terminate a maximum of six inches above a floor drain or external to the building. In cold climates, it is recommended that the discharge pipe be terminated at an adequate drain inside the building.
- Must not have any valve between the relief valve and tank.



Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.

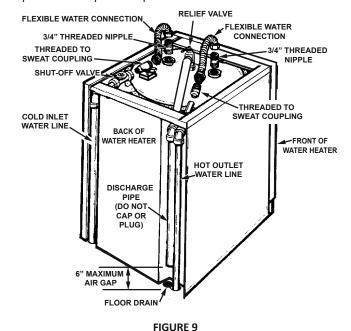
Feel water before bathing or showering.

Temperature limiting valves are available.

Read instruction manual for safe temperature setting.

The temperature-pressure relief valve must be manually operated at least once a year. Caution should be taken to ensure that (1) no one is in front of or around the outlet of the temperature-pressure relief valve discharge line, and (2) the water manually discharged will not cause any bodily injury or property damage because the water may be extremely hot.

If after manually operating the valve, it fails to completely reset and continues to release water, immediately close the cold water inlet to the water heater, follow the draining instructions, and replace the temperature-pressure relief valve with a new one.



CAUTION

Property Damage Hazard

- · Avoid water heater damage.
- · Fill tank with water before operating.

Never use this water heater unless it is completely full of water. To prevent damage to the tank and heating element, the tank must be filled with water. Water must flow from the hot water faucet before turning "ON" power.

To fill the water heater with water:

- Close the water heater drain valve by turning the handle to the right (clockwise). The drain valve is located on the lower front of the water heater.
- 2. Open the cold water supply valve to the water heater.

NOTE: The cold water supply valve must be left open when the water heater is in use.

To insure complete filling of the tank, allow air to exit by opening the nearest hot water faucet. Allow water to run until a constant flow is obtained. This will let air out of the water heater and the piping.

Never use this water heater unless it is completely full of water. To prevent damage to the tank and heating element, the tank must be filled with water. Water must flow from the hot water faucet before turning "ON" power.

4. Check all new water piping for leaks. Repair as needed.

CAUTION

Improper installation and use may result in property damage.

· Fill tank with water before operation.

Never use this water heater unless it is completely full of water. To prevent damage to the tank and heating element, the tank must be filled with water. Water must flow from the hot water faucet before turning "ON" power

Wiring

You must provide all wiring of the proper size outside of the water heater. You must obey local codes and electric company requirements when you install this wiring.

If you are not familiar with electric codes and practices, or if you have any doubt, even the slightest doubt, in your ability to connect the wiring to this water heater, obtain the service of a competent electrician. Contact your Sears salesperson to arrange for a professional electrician.

WATER HEATERS EQUIPPED FOR ONE VOLTAGE ONLY: This water heater is equipped for one type voltage only. Check the rating plate near the bottom access panel for the correct voltage. DO NOT use this water heater with any voltage other than the one shown on the model rating plate. Failure to use the correct voltage can cause problems which can result in DEATH, SERIOUS BODILY INJURY, OR PROPERTY

DAMAGE. If you have any questions or doubts consult your electric company.

A WARNING

Fire Hazard / Electric Shock Hazard



- Do not use this water heater with any voltage other than shown on the model rating plate.
- Failure to use the correct voltage shown on the model rating plate could result in death, serious bodily injury, or property damage.

If wiring from your fuse box or circuit breaker box was aluminum for your old water heater, replace it with copper wire. If you wish to reuse the existing aluminum wire, have the connection at the water heater made by a competent electrician. Contact your Sears salesperson to arrange for a professional electrician.

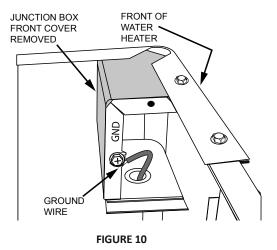
- Provide a way to easily shut off the electric power when working on the water heater. This could be with a circuit breaker or fuse block in the entrance box or a separate disconnect switch.
- Install and connect a circuit directly from the main fuse or circuit breaker box. This circuit must be the right size and have its own fuse or circuit breaker. Refer to the chart in the "Product Specifications" section for the correct size wire and fuse or circuit breaker.
- 3. If metal conduit is used for the grounding conductor:
 - a. The grounding electrode conductor shall be of copper, aluminum, or coppercial aluminum. The material shall be of one continuous length without a splice or joint.
 - Rigid metal conduit, intermediate metal conduit, or electrical metallic tubing may be used for the grounding means if conduit or tubing is terminated in fittings approved for grounding.
 - c. Flexible metal conduit or flexible metallic tubing shall be permitted for grounding if all the following conditions are met:.
 - The length in any ground return path does not exceed 6 feet
 - The circuit conductors contained therein are protected by overcurrent devices rated at 20 amperes or less.
 - The conduit or tubing is terminated in fittings approved for grounding.

For complete grounding details and all allowable exceptions, refer to the current edition of the NEC - National Electrical Code NFPA 70.

- A standard 1/2" conduit opening has been made in the water heater junction box for the conduit connection.
- 5. Use wire nuts and connect the power supply wiring to the wires inside the water heater's junction box.
- The water heater must be electrically "grounded" by the installer. A green ground screw has been provided on the

water heater's junction box. Connect ground wire to this location

- 7. Replace the wiring junction cover using the screw provided.
- 8. Replace the cabinet top. Put it on the clips, almost to the back, push down and then push back.



Wiring Diagram



A WARNING

- Before removing any access panels or servicing the water heater, make sure the electrical supply to the water heater is turned "OFF".
- Failure to do this could result in death, serious bodily injury, or property damage.

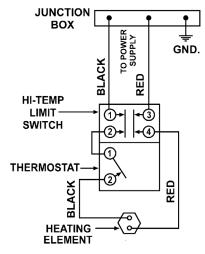
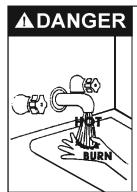


FIGURE 11

SERVICE AND ADJUSTMENT

Temperature Regulation



Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.

Feel water before bathing or showering.

Temperature limiting valves are available.

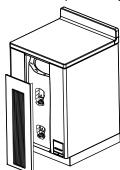
Read instruction manual for safe temperature setting.

HOTTER WATER CAN SCALD: Water heaters are intended to produce hot water. Water heated to a temperature which will satisfy clothes washing, dish washing, and other sanitizing needs can scald and permanently injure you upon contact. Some people are more likely to be permanently injured by hot water than others. These include the elderly, children, the infirm, or physically/mentally handicapped. If anyone using hot water in your home fits into one of these groups or if there is a local code or province law requiring a certain temperature water at the hot water tap, then you must take special precautions. In addition to using the lowest possible temperature setting that satisfies your hot water needs, some type of tempering device, such as a mixing valve, should be used at the hot water taps used by these people or at the water heater. Mixing valves are available at plumbing supply or hardware stores. Follow manufacturers instructions for installation of the valves, Before changing the factory setting of the thermostat see Temperature Settings table at right.

Never allow small children to use a hot water tap, or to draw their own bath water. Never leave a child or handicapped person unattended in a bathtub or shower.

Thermostat

The thermostat of this water heater has been factory set at the lowest position which approximates 120°F (49°C) to reduce the risk of scald injury. The thermostat is adjustable if a different water temperature is desired. Read all warnings in this manual and on the water heater before proceeding.



ADJUSTABLE THERMOSTAT BEHIND ACCESS PANEL

FIGURE 12

Thermostat Settings

NOTE: Water temperature range of 120°—140°F (49°-60°C) recommended by most dishwasher manufacturers.

Water Temperature °F	Time for 1st Degree Burn (Less Severe Burns)	Time for Permanent Burns 2nd & 3rd Degree (Most Severe Burns)			
110	(normal shower temp.)				
116	(pain threshold)				
116	35 minutes	45 minutes			
122	1 minute	5 minutes			
131	5 seconds	25 seconds			
140	2 seconds	5 seconds			
149	1 second	2 seconds			
154	instantaneous	1 second			
(U.S. Governme	(U.S. Government Memorandum, C.P.S.C., Peter L. Armstrong, Sept. 15,1978)				

Thermostat Adjustment

The thermostat has been factory set at the position which approximates 120°F (49°C).

To adjust the temperature setting, proceed as follows:

- 1. Before beginning turn "OFF" the electric power supply to the water heater.
- Take "OFF" the access panel and remove the block of insulation.



- 3. The slotted adjustment (using a screwdriver) can be turned clockwise () to increase the temperature setting or counter clockwise () to decrease the temperature setting.
- 4. Replace the insulation block and access panel.
- 5. Turn "ON" the power supply.

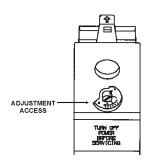


FIGURE 13

Anode Rod Inspection

CAUTION

Property Damage Hazard

- · Avoid water heater damage.
- · Inspection and replacement of anode as needed.

Each water heater contains at least one anode rod, which will slowly deplete (due to electrolysis) prolonging the life of the water heater by protecting the glass-lined tank from corrosion. Adverse water quality, hotter water temperatures, high hot water usage, hydronic heating devices, and water softening methods can increase the rate of anode rod depletion. Once the rod is depleted, the tank will start to corrode, eventually developing a leak.

Certain water conditions will cause a reaction between the anode rod and the water. The most common complaint associated with the anode rod is a "rotten egg smell" produced from the presence of hydrogen sulfide gas dissolved in the water. IMPORTANT: Do not remove this anode rod permanently as it will void any warranties. A special anode rod may be available if water odor or discoloration occurs. NOTE: This anode rod may reduce but not eliminate water odor problems. The water supply system may require special filtration from a water conditioning company to successfully eliminate all water odor problems.

The anode rod should be inspected after a maximum of three years and annually thereafter until the condition of the anode rod dictates its replacement. NOTE: Artificially softened water requires the anode rod to be inspected annually.

The following are typical (but not all) signs of a depleted anode rod:

- The majority of the anode rod's diameter is less than 3/8".
- Significant sections of the support wire (approx. 1/3 or more of the anode rod's length) are visible.

If the anode rod show signs of either or both it should be replaced. NOTE: Whether re-installing or replacing the anode rod, check for any leaks and immediately correct if found.

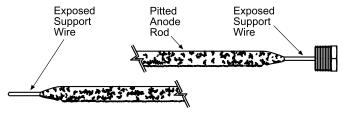


FIGURE 14

Anode deterioration depends on the water conductivity, not necessarily water condition. A corroded or pitted anode rod indicates high water conductivity and should be checked and/ or replaced more often than an anode rod that appears to be intact. Replacement of a depleted anode rod can extend the life of your water heater. Inspection should be conducted by calling Sears Service Center. At a minimum the anode(s) should be checked annually after the warranty period.

In replacing the anode:

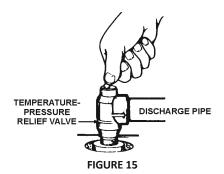
- Turn off power to the water heater.
- Shut off the water supply and open a nearby hot water faucet to depressurize the water tank.
- Drain approximately 5 gallons of water from tank (see "Draining" section for proper procedures) Close drain valve.
- 4. Remove the old anode rod.
- Use Teflon® tape or approved pipe sealant on threads and install new anode rod.
- 6. Turn on water supply and open a nearby hot water faucet to purge air from water system. Check for any leaks and immediately correct any if found.
- 7. Restart the water heater as directed in this manual. See the Repair Parts Illustration for anode rod location.

Temperature-Pressure Relief Valve Operation

The temperature-pressure relief valve must be manually operated at least once a year.



- Burn hazard
- · Hot water discharge.
- Keep clear of relief valve discharge outlet.



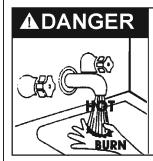
The temperature-pressure relief valve must be manually operated at least once a year. Caution should be taken to ensure that (1) no one is in front of or around the outlet of the temperature-pressure relief valve discharge line, and (2) the water manually discharged will not cause any property damage or bodily injury. The water may be extremely hot.

If after manually operating the valve, it fails to completely reset and continues to release water, immediately close the cold water inlet to the water heater, follow the draining instructions, and replace the temperature-pressure relief valve with a new one.

Failure to install and maintain a new properly listed temperaturepressure relief valve will release the manufacturer from any claim which might result from excessive temperature or pressure.

If the temperature-pressure relief valve on the appliance weeps or discharges periodically, this may be due to thermal expansion. Your water heater may have a check valve installed in the water line or a water meter with a check valve. Consult your local Sears Service Center for further information. Do not plug the temperature-pressure relief valve.

Draining and Flushing



- Burn hazard
- Hot water discharge.
- Keep hands clear of drain valve discharge.



The water heater should be drained if being shut down during freezing temperatures. Also, periodic draining and cleaning of sediment from the tank may be necessary.

 Before beginning turn "OFF" the electric power supply to the water heater.

HAZARD OF ELECTRICAL SHOCK! Before removing any access panels or servicing the water heater, make sure the electrical supply to the water heater is turned "OFF". Failure to do this could result in DEATH, SERIOUS BODILY INJURY, OR PROPERTY DAMAGE.

- OPEN a nearby hot water faucet until the water is no longer hot.
- 3. CLOSE the cold water inlet valve.
- Connect a hose to the drain valve and terminate to an adequate drain or external to the building.
- OPEN the water heater drain valve to allow all of the water to drain from the tank. Flush the tank with water as needed to remove sediment.
- Close the drain valve, refill the tank, and restart the heater as directed in this manual.

NOTE: If the water heater is going to be shut down and drained for an extended period, the drain valve should be left open with hose connected allowing water to terminate to an adequate drain.

7. Turn "ON" power to the water heater.

CAUTION

Improper installation and use may result in property damage.

· Fill tank with water before operation.

Never use this water heater unless it is completely full of water. To prevent damage to the tank and heating element, the tank must be filled with water. Water must flow from the hot water faucet before turning "ON" power.

Thermostat Removal/Replacement



A WARNING

- Before removing any access panels or servicing the water heater, make sure the electrical supply to the water heater is turned "OFF".
- Failure to do this could result in death, serious bodily injury, or property damage.
- Turn "OFF" the electrical power to the water heater at the junction box.
- Remove the access panel and the insulation.
- Lift out the tab as shown below to unclip the terminal cover from the thermostat. The terminal cover can now be removed from the thermostat.

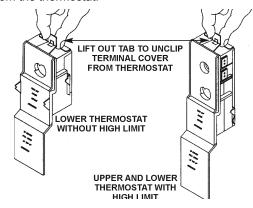


FIGURE 16

- 4. Disconnect wires from the thermostat.
- Remove the thermostat from behind the thermostat bracket.
- Place the new thermostat in the bracket making sure it fits firmly against the tank.
- 7. Attach the wires to the new thermostat.

NOTE: Some of the terminals may require straight-in wiring through an eye-opening. If wires are now looped, recut and strip wire 3/8" to a straight length and insert.

- 8. Put plastic terminal cover back in place.
- 9. Replace the insulation to cover the thermostat.
- 10. Replace access panel, then turn the electric power on.

Element Cleaning/Replacement

To remove the element from your tank in order to clean or replace it:

NOTE: These instructions are written for element cleaning and element replacement for the lower element. If it is necessary to clean or replace the upper element, then repeat these instructions.



 Before beginning turn "OFF" the electric power supply to the water heater.

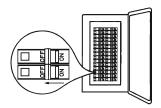


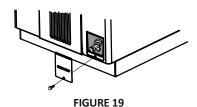
FIGURE 17

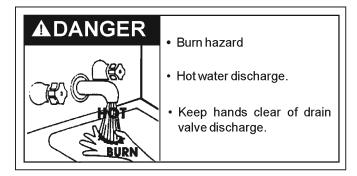
2. Open a nearby hot water faucet until the water is no longer hot.



FIGURE 18

 Close the cold water inlet valve. Connect a hose to the drain valve and terminate it to an adequate drain or external to the building. Open the water heater drain valve and allow all of the water to drain from the tank. Flush the tank with water as needed to remove sediment.





The water passing out of the drain valve may be extremely hot. To avoid being scalded, make sure all connections are tight and that the water flow is directed away from any person.

4. Remove the two screws at the bottom of the water heater securing the access panel, and remove panel.

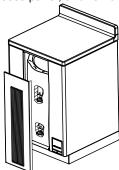


FIGURE 20

Remove the insulation expose the terminal cover and element.



FIGURE 21

Lift out the tab as shown to unclip the terminal cover from the thermostat. The terminal cover can now be removed from the thermostat.



FIGURE 22

Disconnect the two wires on the element and unscrew the old element from the tank.



FIGURE 23

- Clean the area around the element opening. Remove any sediment from or around the element opening, inside the tank.
- If you are cleaning the element you have removed, do so by scraping or soaking in vinegar or a de-liming solution.

WARNING



Fire Hazard and Electric Shock Hazard

- Do not use replacement elements with any voltage other than shown on the model rating plate.
- Failure to use the correct voltage shown on the model rating plate could result in death, serious bodily injury, or property damage.

Replacement elements must (1) be the same voltage and (2) no greater wattage than listed on the model rating plate affixed to the water heater.

10. A new gasket should be used in all cases to prevent a possible water leak. (See Element Gasket in the "Repair Parts List" Chart). Place the new element gasket on the thread side of the cleaned or new element and screw into tank, securing tightly using an element wrench.

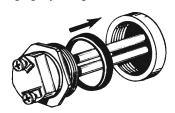


FIGURE 24

- Close the water heater drain valve by turning the handle to the right (clockwise).
- 12. Open the cold water supply valve to the water heater.

NOTE: The cold water supply valve must be left open when the water heater is in use.

13. To insure complete filling of the tank, allow air to exit by opening the nearest hot water faucet. Allow water to run until a constant flow is obtained. This will let air out of the water heater and the piping.

CAUTION

Improper installation and use may result in property damage.

Fill tank with water before operation.

Never use this water heater unless it is completely full of water. To prevent damage to the tank and heating element, the tank must be filled with water. Water must flow from the hot water faucet before turning "ON" power.

- 14. Check element for water leaks. If leakage occurs, tighten element or repeat steps 2 and 3, remove element and reposition gasket. Then repeat steps 10 through 14.
- Reconnect the two wires to the element and then check to make sure the thermostat remains firmly against the surface of the tank.



FIGURE 25

16. Replace terminal cover on thermostat making sure that the locking tabs on the terminal cover are in place.



FIGURE 26

- Replace the insulation removed earlier, so that it completely covers the thermostat and element.
- 18. Replace access panel.
- 19. Turn "ON" electric power to water heater.

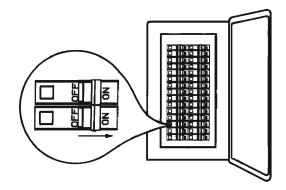


FIGURE 27

Drain Valve Washer Replacement



NOTE: For replacement, use a 17/32" x 13/64" x 1/8" thick washer available at your nearest hardware store. For ordering a replacement washer, refer to the "Repair Parts List" section.

- Before beginning turn "OFF" the electrical power supply to the water heater.
- Follow "Draining" instructions in the "Service and Adjustment" section.
- Turning counter clockwise, remove the hex cap below the
- · screw handle.
- Remove the washer and put the new one in place.

- Screw the handle and cap assembly back into the drain valve and retighten using a wrench. DO NOT OVER TIGHTEN.
- · Follow "Filling the Water Heater" instructions in the
- "Installation Instructions" section.
- · Check for leaks.
- Turn "ON" electric power to the water heater.



FIGURE 28

Service

Before calling for repair service, read the "Start Up Conditions" and "Operational Conditions" found in the Troubleshooting Guide of this manual.

If a condition persists or you are uncertain about the operation of the water heater, let a qualified person check it out.

Contact SEARS Repair Services at 1-844-553-6667.

TROUBLESHOOTING

Start Up Conditions

THERMAL EXPANSION

CAUTION

Property Damage Hazard

- · Avoid water heater damage.
- · Install thermal expansion tank or device if necessary.
- Contact qualified installer or service agency.

Water supply systems may, because of such events as high line pressure, frequent cut-offs, the effects of water hammer among others, have installed devices such as pressure reducing valves, check valves, back flow preventers, etc...to control these types of problems. When these devices are not equipped with an internal by-pass, and no other measures are taken, the devices cause the water system to be closed. As water is heated, it expands (thermal expansion) and closed systems do not allow for the expansion of heated water.

The water within the water heater tank expands as it is heated and increases the pressure of the water system. If the relieving point of the water heater's temperature-pressure relief valve is reached, the valve will relieve the excess pressure. The temperature-pressure relief valve is not intended for the constant relief of thermal expansion. This is an unacceptable condition and must be corrected.

It is recommended that any devices installed which could create a closed system have a by-pass and/or the system have an expansion tank to relieve the pressure built by thermal expansion. Thermal expansion tanks are available from Sears stores and through Sears Service Centers. Contact the local plumbing inspector, water supplier and/or the Sears Service Center for assistance in controlling these situations.

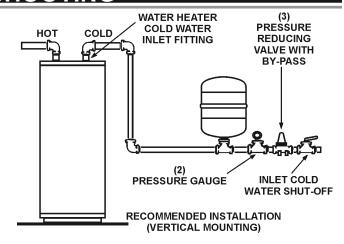
Thermal Expansion Tank Specifications

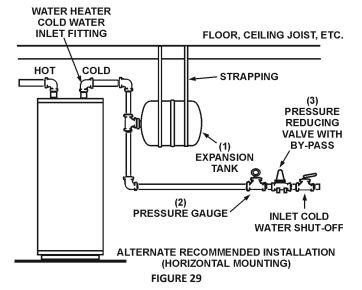
Model Number	Tank Capacity	Dimensions in Inches		in Inches Fitting		Fitting
	In Gallons	Diameter	Length	On Tank		
153.331021	2	8 (203 mm)	12-3/4 (323 mm)	3/4" Male		
153.331051	5	11 14-3/4 (279 mm) (375 mm)		3/4 Male		

	Inlet* Water Heater Capacity (Gall				llons)	
Evnancion	Water Pressure	27	30	40	50	66
Expansion Tank	40 psi	2	2	2	2	5
Capacity	50 psi	2	2	2	5	5
Needed	60 psi	2	2	2	5	5
	70 psi	2	2	2	5	5
	80 psi	2	2	5	5	5

Highest recorded inlet water pressure in a 24 hour period or regulated water pressure.

Note: Expansion tanks are pre-charged with a 40 psi air charge. If the inlet water pressure is higher than 40 psi, the expansion tank's air pressure must be adjusted to match that pressure, but must not be higher than 80 psi.





STRANGE SOUNDS

Possible noises due to expansion and contraction of some metal parts during periods of heat-up and cool-down do not represent harmful or dangerous conditions.

Operational Conditions

SMELLY WATER

In each glass-lined water heater there is installed one anode rod (see parts section) for corrosion protection of the tank. Certain water conditions will cause a reaction between this rod and the water. The most common complaint associated with the anode rod is one of a "rotten egg smell". This odor is derived from hydrogen sulfide gas dissolved in the water. The smell is the result of four factors which must all be present for the odor to develop:

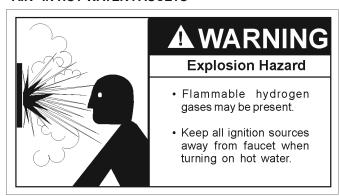
- A. A concentration of sulfate in the supply water.
- B. Little or no dissolved oxygen in the water.
- C. A sulfate reducing bacteria within the water heater. (This harmless bacteria is non-toxic to humans.)
- D. An excess of active hydrogen in the tank. This is caused by corrosion protective action of the anode.

Smelly water may be eliminated or reduced in some water heater models by replacing the anode rod (s) with one of less active material, and then chlorinating the water heater tank and all hot water lines. Contact the local Sears Service Center for further information concerning an Anode Replacement Kit #9001453 and this Chlorination Treatment. Anode replacement and chlorination of the tank are not covered by the water heater's limited warranty.

If the smelly water persists after the anode replacement and chlorination treatment; then you should consider chlorinating or aerating your water supply.

Do not remove the anode leaving the tank unprotected. By doing so, all warranty on the water heater tank is voided.

"AIR" IN HOT WATER FAUCETS



HYDROGEN GAS: Hydrogen gas can be produced in a hot water system that has not been used for a long period of time (generally two weeks or more). Hydrogen gas is extremely flammable and explosive. To prevent the possibility of injury under these conditions, we recommend the hot water faucet be opened for several minutes at the kitchen sink before any electrical appliances which are connected to the hot water system are used (such as a dishwasher or washing machine). If hydrogen gas is present, there will probably be an unusual sound similar to air escaping through the pipe as the hot water faucet is opened. There must be no smoking or open flame near the faucet at the time it is open.

RUMBLING NOISE

In some water areas, scale or mineral deposits will build up on your heating elements. This buildup will cause a rumbling noise. Follow "Element Cleaning/Replacement" instructions to clean and replace the elements.

HIGH TEMPERATURE SHUT OFF SYSTEM

The water heater has a high limit shut off system with a reset button located on the thermostat.

Follow the resetting instructions which refer to the high limit behind the access panel.

 Before beginning, turn "OFF" electrical power supply to the water heater.

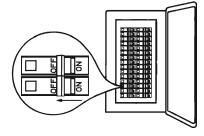


FIGURE 30

Remove the two screws securing the access panel and remove panel.

- B. Remove the insulation block to expose the terminal cover.
- Reset the high limit by pushing in the red button marked "RESET".

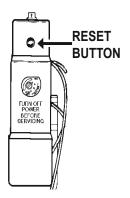


FIGURE 31

- Replace the insulation block so that it is completely covers the thermostat and element.
- 6. Replace the access panel.
- 7. Turn "ON" electric power to the water heater.

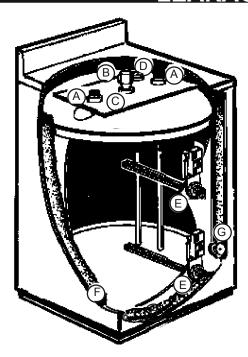
NOT ENOUGH OR NO HOT WATER

- In a new installation, the water heater may not be properly connected. Make sure the cold water supply valve is open. Review and check piping installation. Make sure that the cold water line is connected to the cold water inlet to the water heater and the hot water line to the hot water outlet on the water heater.
- 2. Make sure the electrical supply to your water heater is "ON".
- Check for loose or blown fuses in your water heater circuit.
 Circuit breakers weaken with age and may not handle their rated load and should be replaced.
- Make certain the disconnect switch, if used, is in the "ON" position.
- Check to see the electric service to your house has not been interrupted. If this is the case, contact the electric company.
- 6. Is the thermostat set to the desired temperature? See "Temperature Regulation" section.
- If you had experienced very hot water and now no hot water, the problem may be due to the high temperature shut off system. See "High Temperature Shut Off System" in the "Troubleshooting" section.
- 8. During very cold weather, the incoming water will also be colder and it will require a longer time to become heated.
- 9. The hot water usage may exceed the capacity of the water heater. If so, wait for water heater to recover after abnormal demand. Also examine pipes and faucets for possible water leaks.
- 10. If you can not determine the problem, then call the Sears Service Department.

WATER IS TOO HOT

Adjust the thermostat to a lower setting See the "Temperature Regulation" section.

LEAKAGE CHECKPOINTS







Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.

Failure to follow instructions and safety messages could result in death or serious injury.

Instruction manual must remain with water heater.

Read this manual first. Then before checking the water heater make sure the electric supply has been turned "OFF", and never turn the electric supply "on" before the tank is completely full of water.

Use this guide to check a "Leaking" water heater. Many suspected "Leakers" are not leaking tanks. Often the source of the water can be found and corrected.

If you are not thoroughly familiar with electric codes, the water heater, and safety practices, contact your local Sears Service Center to check the water heater.

CAUTION

Improper installation and use may result in property damage.

• Fill tank with water before operation.

Never use this water heater unless it is completely full of water. To prevent damage to the tank and heating element, the tank must be filled with water. The water must flow from the hot water faucet before turning "ON" power.

- A. *Condensation may be seen on pipes in humid weather or pipe connections may be leaking.
- B. Small amounts of water from the temperature-pressure relief valve may be due to thermal expansion or high water pressure in your area.
- C. *The temperature-pressure relief valve may be leaking at the tank fitting.
- D. The primary anode rod fitting may be leaking.
- E. The element may be leaking at the tank fitting.



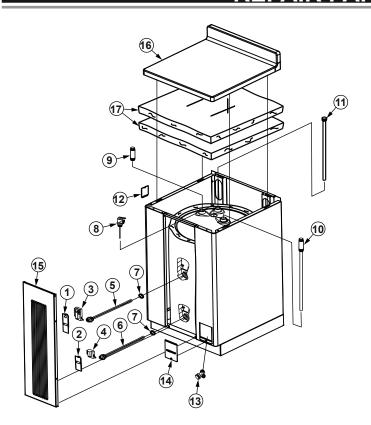
Turn electrical power "OFF", remove access panel and insulation cap with handle. If leaking around element, follow proper draining instructions and remove element. Reposition or replace gasket on element. Place element into opening and tighten securely. Then follow "Filling the Water Heater" instructions in the "Installation Instructions" section.

- F. Water from drain valve may be due to the valve being opened slightly
- G. *The drain valve may be leaking at the tank fitting.
- H. Water in the water heater bottom or on the floor may be from condensation, loose connections or the temperaturepressure relief valve. DO NOT replace the water heater until a full inspection of all possible water sources is made and necessary corrective steps taken.

Leakage from other appliances, water lines, or ground seepage should also be checked.

Note: To check where threaded portion enters tank, insert cotton swab between jacket opening and fitting. If cotton is wet, follow "Draining" instructions in the "Service and Adjustment" section and then remove fitting. Put pipe dope or teflon tape on the threads and replace. Then follow "Filling the Water Heater" instructions in the "Installation Instructions" section.

REPAIR PARTS LIST



KENMORE® TABLE TOP ELECTRIC WATER HEATERS

MODEL NUMBERS 153.586420 38 Gallon

		Model No.
Key No.	Part Description	153.586420
1	Upper Terminal Cover	9002438015
2	Lower Terminal Cover	9002276015
3	Upper Thermostat	9001954015
4	Lower Thermostat	9000507015
5	Upper Element	9000095015
6	Lower Element	9000095015
7	Element Gasket	9000308005
8	Element Gasket	9000071015
9	Combination Heat Trap/Nipple	9003719015
10	Combination Heat Trap/Dip Tube	9009142005
11	Anode Rod	9003944005
12	Junction Box Cover	100066341
13	Drain Valve	9000254015
14	Drain Door	100059446
15	Access Panel	100066001
16	Top Panel	100066374
17	Insulation	100066126
18	Manual	100267599

Now that you have purchased this water heater, should a need ever exist for repair parts or service, simply contact any Sears Service Center or call 1-844-553-6667. Be sure to provide all pertinent facts when you call or visit.

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for handling.

The model number of the water heater will be found on the model rating plate located on the toe panel.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- Model Number Part Number
- Serial Number Part Description

THIS IS A REPAIR PARTS LIST, NOT A PACKING LIST.

Kenmore

For Sears Home Services in-home repair of all Kenmore major appliances.

For the replacement parts, accessories and Use & Care Guides that you need to do-it-yourself.

For professional installation of major home appliances and items like air conditioners and water heaters.

1-844-553-6667

www.kenmore.com

In Canada 1-800-469-4663

www.sears.ca

Call anytime for the location of your nearest **Sears Parts & Repair Service Center**

1-800-488-1222 (U.S.A.)

1-800-469-4663 (Canada)

To purchase a protection agreement on a serviceable product:

1-800-827-6655 (U.S.A.)

1-800-361-6665 (Canada)

a domicilio, y ordenar piezas:

1-888-SU-HOGAR®

(1-888-784-6427) www.kenmore.com

Para pedir servicio de reparación Au Canada pour service en français:

1-800-LE-FOYER^{MC}

(1-800-533-6937)

www.sears.ca

