#### Use & Care Guide

Model

153.318020

2.5 GALLON





# Kenmore® 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.

P/N 185838-001 (1211)
Sears Brands Management Corporation,
Hoffman Estates, IL 60179 U.S.A.
www. kenmore.com
www.sears.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.

<b>▲</b> DANGER	DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or injury.
<b>A</b> WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or injury.
<b>▲</b> CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.
CAUTION	CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, could result in property damage.

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
installation of these appliances. This would include a thorough understanding of the requirements of the National Electrical Code and
applicable local electrical and plumbing codes (and tools necessary to confirm proper installation and operation of the water heater) as
they relate 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.

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### **GENERAL SAFETY**



# **AWARNING**

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

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

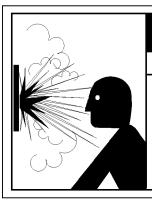
This manual must remain with water heater

# **CAUTION**

# Improper installation and use may result in property damage.

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

Refer to this 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.

### **▲** DANGER



#### Fire Hazard / Electrical Shock Hazard

Do not use an extension cord set with this heater. Use of an extension cord will cause overheating, fire, and electrical shock.



If no receptacle is available adjacent to the water heater, contact a qualified electrician to have one properly installed.

# **A** DANGER



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 this 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.



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### PRODUCT WARRANTY

#### 6 - YEAR LIMITED WARRANTY ON WATER HEATER

For six years from the date of purchase, if this water heater is installed and operated in a single-family home in accordance with the owner's manual instructions and all local applicable plumbing codes, Sears will supply a free water heater for one that develops a tank leak. See notes below also.

For the second through sixth year from the purchase date, you must pay the labor cost for installation of parts or water heater.

For commercial, institutional, industrial or residential use by two or more families, the above limited warranty is only for two years. During the second year you must pay the labor cost for water heater installation.

If governmental regulations prohibit Sears from furnishing a comparable model replacement water heater under this warranty, Sears will furnish a new water heater of comparable output as permitted by such governmental regulations; however, the Owner will be charged for the additional cost associated with the changes made to comply with such governmental regulations.

Replacements furnished under this warranty do not carry a new warranty; and are only covered by the unexpired portion of the original warranty.

#### 1 - YEAR EXCLUSIVE KENMORE LABOR WARRANTY

For the first year from the date of purchase, Sears will, free of charge, supply and install new water heater parts for defective ones or a new water heater for one that develops a leak.

#### WARRANTY SERVICE

To obtain warranty service, call 1-800-4-MY-HOME® (1-800-469-4663).

This warranty applies only while this product is in use 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

The price of your water heater does not include a free checkup service call. On water heater installations arranged by Sears, Sears warrants the installation.

A charge will be made on service calls due to poor or incomplete installation. These include:

a. Adjusting thermostat

b. Condensation

c. Leaks in pipes or fittings

#### **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 needed to help keep products operating properly under normal use, not just defects. 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."

- 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.
- 10% 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. or Canada call **1-800-4-MY-HOME**®.

# PREPARING FOR THE NEW INSTALLATION

**Thank You** for purchasing a Kenmore water heater. Properly installed and maintained, it should give you years of trouble free service. If you decide that you want the new water heater professionally installed by Sears, call the local Service Center or any Sears store. They will arrange for prompt, quality installation by Sears authorized contractors.

Abbreviations Found In This Instruction Manual:

- · ANSI American National Standards Institute
- · ASME American Society of Mechanical Engineers
- · NEC National Electrical Code
- NFPA National Fire Protection Association
- UL Underwriters Laboratories Inc.
- Read the "General Safety" section 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 the electric water heater. It also contains warnings throughout the manual that you must read and understand. All warnings and all instructions are essential to the proper operation of the water heater and your safety. READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO INSTALL OR OPERATE THE WATER HEATER.

- The installation must conform with these instructions and the local code authority having jurisdiction and the requirements of the power company. In the absence of local code requirements follow NFPA-70, the National Electrical Code (current edition), which may be ordered from: National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.
- If after reading this manual you have any questions or do not understand any portion of the instructions, call the local Sears Service Center.
- 4. Carefully plan your intended placement of the water heater. INSTALLATION OR SERVICE OF THIS WATER HEATER REQUIRES ABILITY EQUIVALENT TO THAT OF A LICENSED TRADESMAN IN THE FIELD INVOLVED. PLUMBING AND ELECTRICAL WORK ARE REQUIRED. Examine the location to ensure the water heater complies with the "Facts to Consider About the Location" section in this manual.
- 5. For California installation, this water heater must be braced, anchored, or strapped to avoid falling or moving during an earthquake. Correct installation instructions may be obtained from California's 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.

### PRODUCT SPECIFICATIONS

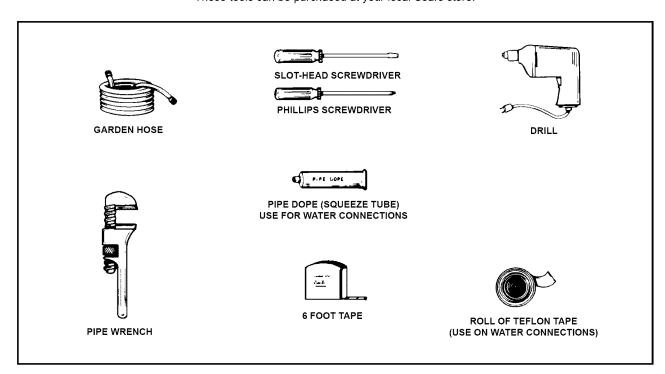
Model Number	Number in		sions in		Recovery Rate Gallons Per Hour @ 90° F (50° C) Rise	Element Wattage @ 120 Volts	Minimum Wire Size* (Gauge)	Breaker Size
		Width	Depth	Height				(Amps)
153.318020	2.5	15	11	17	6.8	1500	14	15

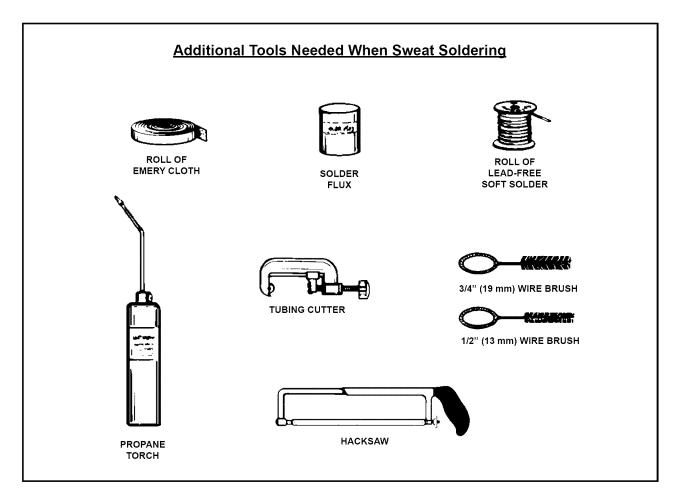
<sup>\*</sup>Wiring size based on standard 60°C copper wire. If distance from fuse box to water heater is more than 90 feet, refer to your local electrical code.

# **BASIC TOOLS NEEDED**

You may or may not need all of these tools, depending on your type of installation.

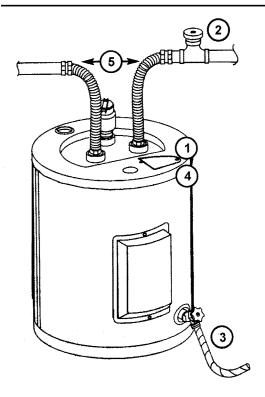
These tools can be purchased at your local Sears store.



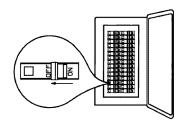


# **INSTALLATION INSTRUCTIONS**

#### Removing the Old Water Heater



1. Turn "OFF" electrical supply to the water heater.



2. Open a nearby hot water faucet until the water is no longer hot. When the water has cooled, turn "OFF" the water supply to the water heater at the water shut-off valve or water meter.

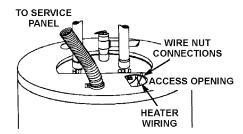


 Attach a hose to the water heater drain valve and put the other end in a floor drain or outdoors. Open the water heater drain valve.
 Open a nearby hot water faucet which will relieve pressure in the water heater and speed draining.

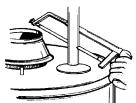
The water passing out of the drain valve may be extremely hot. To avoid being scalded, make sure all connections are tight and that the water flow is directed away from any person.



 Check again to make sure the electrical supply is turned "OFF" to the water heater. Then disconnect the electrical supply connection from the water heater junction box.



5. a. If you have copper piping to the water heater, the two copper water pipes can be cut with a hacksaw approximately 4" 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.

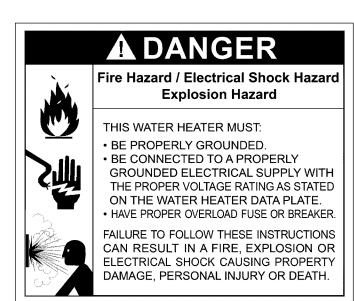


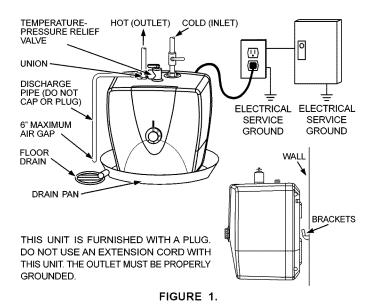
b. If you have galvanized pipe to the water heater, loosen the two galvanized pipes with a pipe wrench at the union in each line. Also disconnect the piping remaining to the water heater. These pieces should be saved since they may be needed when reconnecting the new water heater. Disconnect the temperature-pressure 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.



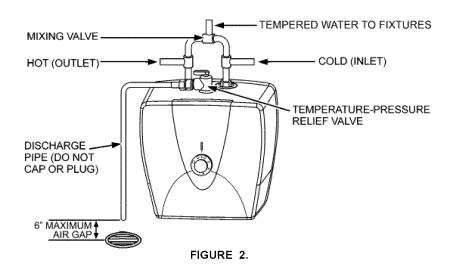
Mineral buildup or sediment may have accumulated in the old water heater. This causes the water heater to be much heavier than normal and this residue, if spilled out, could cause staining.

### TYPICAL INSTALLATION





### MIXING VALVE USAGE



Water (Potable) Heating: All models are considered suitable for water (potable) heating only.



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 this 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 disabled. 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 from your local plumbing contractor. Consult a Qualified Installer or Service Agency. Follow mixing valve manufacturer's instructions for installation of the valves. Before changing the factory setting on the thermostat, read the "Temperature Regulation" section in this manual.

### FACTS TO CONSIDER ABOUT THE LOCATION

# CAUTION

#### **Property Damage Hazard**

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

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.

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

- Select a location as close as practical or centralized to the point of use. The water heater should be located in an area not subject to freezing temperatures
- Selected location must provide adequate clearances for removing the front cover in order to service parts such as the thermostat, element, temperature sensor, anode, and high limit reset. Adequate clearance for servicing this appliance should be considered before installation, such as operating the relief valve, etc.
- The water heater should be located so it is not subject to physical damage by moving vehicles or area flooding.
- 4. The selected wall or cabinet must be capable of supporting at least two times the weight of the water heater when filled with water (77 lbs).
- The water heater must be installed in a vertical position with water inlet and outlet connections facing upwards and easily accessible.
- Keep combustibles such as boxes, magazines, clothes, etc, away from the water heater area.

Installation of the water heater must be accomplished in such a manner that if the tank or any connections should leak, the flow will not cause damage to the structure. For this reason, it is not advisable to install the water heater in an attic or upper floor. When such locations cannot be avoided, a suitable drain pan should be installed under the water heater. Drain pans are available from your local plumbing contractor. Such a drain

pan must have a minimum length and width of at least 2 inches (51 mm) greater than the water heater dimensions and must be piped to an adequate drain.

Water heater life depends upon water quality, water pressure, water usage, water temperature, 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.

#### **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.

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.

# IMPORTANT SAFETY INSTRUCTIONS



### **A WARNING**

#### Fire Hazard / Electrical Shock Hazard

When using electrical appliances, basic safety precautions to reduce the risk of fire, electric shock, or injury to persons should be followed.

1. READ ALL INSTRUCTIONS BEFORE USING THIS WATER HEATER.

- This water heater must be grounded. Connect only to properly grounded outlet. See GROUNDING INSTRUCTIONS found in the WIRING section of this manual.
- 3. Install or locate this water heater only in accordance with the provided installation instructions.
- 4. Use this water heater for its intended use as described in this manual
- 5. Do not use an extension cord set with this water heater. If no receptacle is available adjacent to the water heater, contact a qualified electrician to have one properly installed.
- 6. As with any appliance, close supervision is necessary when used by children.
- 7. Do not operate this water heater if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
- 8. This water heater should be serviced only by qualified service personnel. Contact nearest Sears Service Center for examination, repair, or adjustment.

# INSTALLING THE NEW WATER HEATER

#### **MOUNTING**

#### **MOUNTING - DRYWALL (HOLLOW WALL)**

- 1. The selected wall or cabinet must be capable of supporting double the weight of the unit when completely full of water (77 lbs).
- The installation area must provide adequate clearances for removal of the front panel and servicing the unit.
- Locate the wall studs in the area where the unit is to be mounted.
- 4. Cut two sections of 1/2 inch plywood or equivalent material 3 inches in height. The length of each section should be sufficient to span the width of the wall studs. See Figure 3A.
- 5. Use appropriately sized nails or wood screws to attach the two wall supports to the wall as show in Figure 3A.
- Drill two 13/32 inch holes in the upper wall support NOTE: The holes must be level.
- Insert the hollow wall anchors into the drilled holes. Place the wall bracket over the anchors and screw the two phillips head screws down tight against the bracket.

#### **MOUNTING - MASONRY WALL (SOLID WALL)**

- The selected wall or cabinet must be capable of supporting double the weight of the unit when completely full of water (77 lbs).
- 2. The installation area must provide adequate clearances for removal of the front panel and servicing the unit.
- 3. Drill two 13/32 inch holes in the masonry wall. NOTE: The holes must be level and at least 3-1/2 inches deep.
- Insert the masonry wall anchors into the drilled holes. Place the wall bracket over the anchors and screw the two phillips head screws tight against the bracket.

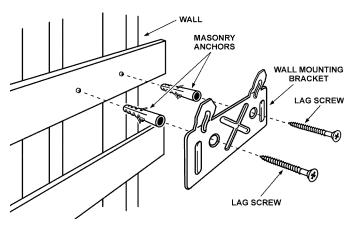
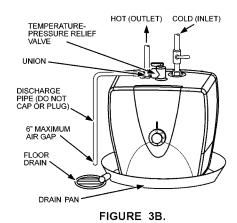


FIGURE 3A.

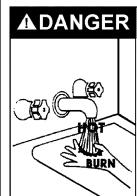
#### **MOUNTING - FLOOR**

- 1. The floor selected must be capable of supporting double the weight of the unit when completely full of water (77 lbs).
- 2. The installation area must provide adequate clearances for removal of the front panel and servicing the unit.
- 3. Place a suitable drain pan under the unit. The pan must limit the

water to a maximum depth of 2-1/2 inches and be 2 inches wider than the unit. The pan must also be piped to an adequate drain. See Figure 3B.



#### **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 this 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, cleaning 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 disabled. 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. Valves for reducing point of use temperature by mixing cold and hot water are also available.

Follow manufacturer's instructions for installation of the valves. Before changing the factory setting on the thermostat, read the "Temperature Regulation" section in this manual.

# **▲** WARNING

#### **Toxic Chemical Hazard**

Do not connect to non-potable water system.

This water heater shall not be connected to any heating systems or component(s) used with a non-potable water heating appliance.

Toxic chemicals, such as those used for boiler treatment shall not be introduced into this system.

The water supply pressure should not exceed 80 psi. If this occurs, a pressure reducing valve with a bypass should be installed in the cold water inlet line. This should be placed on the supply to the entire house in order to maintain equal hot and cold water pressures.

As water is heated, it expands (thermal expansion). In a closed system, the volume of water will increase. As the volume of water increases, there will be a corresponding increase in water pressure due to thermal expansion. Thermal expansion can cause premature tank failure (leakage). This type of failure is not covered under the limited warranty. Thermal expansion can also cause intermittent temperature-pressure relief valve operation: water discharged from the valve due to excessive pressure build up. The temperature-pressure relief valve is not intended for the constant relief of thermal expansion. This condition is not covered under the limited warranty.

A properly-sized thermal expansion tank should be installed on all closed systems to control the harmful effects of thermal expansion. Thermal expansion tanks are available from Sears stores and through the Sears Service Centers. Contact the local plumbing inspector, water supplier and/or the Sears Service Center for assistance in controlling these situations.

NOTE: To protect against untimely corrosion of hot and cold water fittings, it is strongly recommended that dielectric unions or couplings be installed on this water heater when connected to copper pipe.

Figure 4 shows the typical attachment of the water piping to the water heater. The water heater is equipped with 1/2 inch NPT water connections.

# **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.

NOTE: If using copper tubing, solder tubing to an adapter before attaching the adapter 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.

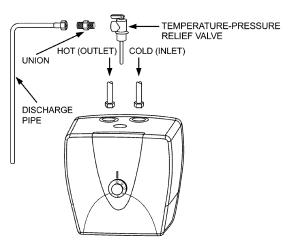


FIGURE 4.

#### WATER PIPING PRESSURE TEST

This section is only for the manufacturer installing the water heater when the installation is to comply with H.U.D. Standards

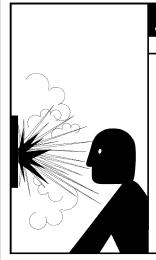
When testing the water ways, H.U.D. Standards state: "Water distribution system: All water piping in the water distribution system shall be subjected to a pressure test. The test shall be made by subjecting the system to air or water at 100 psi for 15 minutes without loss of pressure. When air pressure is used, the water heater shall not be connected during the test."

# **WARNING**

#### Air Pressure Hazard

- If water piping system is to be air pressure tested, the water heater must be disconnected from the water piping system.
- Failure to disconnect the water heater during air pressure testing of the water system could result in DEATH, SERIOUS BODILY INJURY, OR PROPERTY DAMAGE.

#### TEMPERATURE-PRESSURE RELIEF VALVE



### **AWARNING**

#### **Explosion Harzard**

- 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 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. Provide tubing so that any discharge will exit only within 6 inches (153 mm) above an adequate drain, or external to the building or structure. 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.

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. The relief valve must be allowed to discharge water in sufficient quantities, should circumstances demand, to prevent bodily injury, hazard to life, or property damage. If the discharge pipe is not connected to a drain or other suitable means, the water flow may cause property damage.

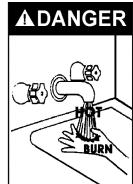
# **CAUTION**

#### Water Damage Hazard

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

#### 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 shut-off valve between the relief valve and tank nor in the discharge pipe.



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 this 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.

#### FILLING THE WATER HEATER

# **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" electrical supply to the water heater. The manufacturer will not warrant any elements damaged by failure to follow instructions.

To fill the water heater with water:

- 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 ensure 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.
- Check all water piping and connections for leaks. Repair as needed.
- 4. Never alter or modify the certified construction of the water heater or its components, or bypass any safety features. Doing so voids all warranties.

# **WIRING DIAGRAM**



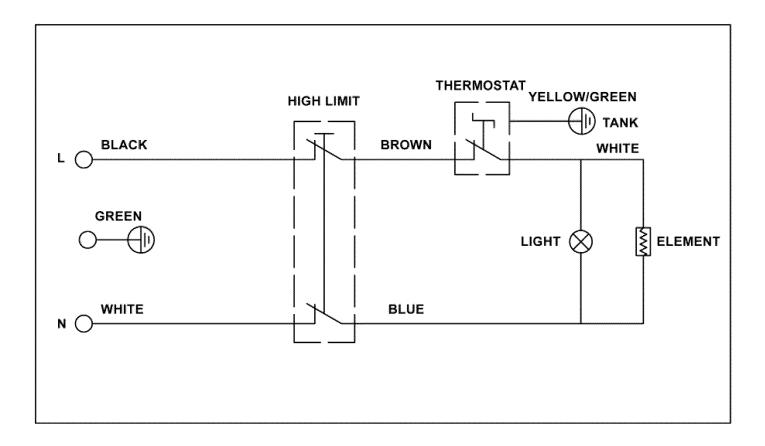


FIGURE 5.

### **WIRING**

# **CAUTION**

Improper installation and use may result in property damage.

· Fill tank with water before operation.

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

# **▲** WARNING

#### Fire Hazard / Electric Shock Hazard





 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.

Do not use this water heater with

any voltage other than shown on the

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

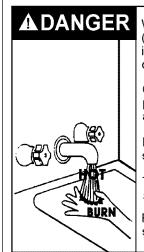
This water heater is supplied with a flexible, grounded power cord and connects to a standard three-wire 120 volt 60Hz, grounded type outlet. If an outlet is not within reach of the power cord, contact a local electrician/electrical contractor or the local electric utility to have a properly sized circuit (including outlet, wiring and breaker) installed. NOTE: Check the water heater's data plate for power requirements.

If you are not familiar with the 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 a local electrical contractor and/ or the local electric utility.

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.

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 a local electrical contractor and/or the local electric utility.

### **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 this 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 disabled. 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 from your local plumbing contractor. Follow manufacturer's instructions for installation of the valves. Before changing the factory setting on the thermostat, see Figure 6.

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.

It is recommended that lower water temperatures be used to avoid the risk of scalding. It is further recommended, in all cases, that the water temperature thermostat be set for the lowest temperature which satisfies your hot water needs. This will also provide the most energy efficient operation of the water heater.

KEEPING THE THERMOSTAT SETTING AT 120°F (49°C) OR LOWER WILL REDUCE THE RISK OF SCALDS.

Figure 6 shows the approximate time-to-burn relationship for normal adult skin.

#### **TEMPERATURE ADJUSTMENT**



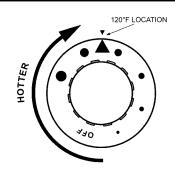
# **A WARNING**

- 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.

The thermostat is adjusted to a temperature setting of 120 °F or lower when it is shipped from the factory.

To change the temperature setting:

The white knob on the front of the water heater is the temperature control. When the "OFF" mark is aligned with the raised indicator arrow, the water heater is off. Turn the knob clockwise to increase the temperature, and counterclockwise to decrease the temperature. The knob is marked with circular indentations of increasing size. The larger the indentation, the higher the temperature setting. See Figure 6. The temperature range of this water heater is 68°F at the lowest setting and 150°F at the maximum setting. This water heater is shipped in the "OFF" position. Adjust the dial to the desired temperature.



#### TEMPERATURE SETTINGS

It is recommended that the dial be set lower whenever possible.

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. Government Memorandum, C.P.S.C., Peter L. Armstrong, Sept. 15,1978)			

FIGURE 6.

### TROUBLESHOOTING GUIDE

#### START UP CONDITIONS

#### THERMAL EXPANSION

# **CAUTION**

#### **Property Damage Hazard**

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

As water is heated, it expands (thermal expansion). In a closed system, the volume of water will grow. As the volume of water grows, there will be a corresponding increase in water pressure due to thermal expansion. Thermal expansion can cause premature tank failure (leakage). This type of failure is not covered under the limited warranty. Thermal expansion can also cause intermittent temperature-pressure relief valve operation: water discharged from the valve due to excessive pressure build up. The temperaturepressure relief valve is not intended for the constant relief of thermal expansion. This condition is not covered under the limited warranty.

A properly-sized thermal expansion tank should be installed on all closed systems to control the harmful effects of thermal expansion. Contact a plumbing service agency or your retail supplier regarding the installation of a thermal expansion tank.

Expansion tanks are available for ordering through a local plumbing contractor. Contact the local water supplier or Sears Service Center for assistance in controlling these situations.

#### STRANGE SOUNDS

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

#### **OPERATIONAL CONDITIONS**

#### WATER ODOR

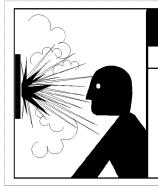
In each water heater there is installed at least one anode rod (see parts sections) for corrosion protection of the tank. Certain water conditions will cause a reaction between this rod and the water. The most common complaint associated with the anode rod is one of a "rotten egg smell" in the hot water. 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 which has accumulated within the water heater (this harmless bacteria is nontoxic to humans).
- D. An excess of active hydrogen in the tank. This is caused by the corrosion protective action of the anode.

Smelly water may be eliminated or reduced in some water heater models by replacing the anode(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 and this chlorination treatment. If the smelly water persists after the anode replacement and chlorination treatment. we can only suggest that chlorination or aeration of the water supply be considered to eliminate the water problem.

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



### WARNING

#### **Explosion Hazard**

- Flammable hydrogen gases may be present.
- Keep all ignition sources away from faucet when turning on hot water.

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, located farthest away be opened for several minutes 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.

#### HIGH WATER TEMPERATURE SHUT OFF SYSTEM

A non-adjustable high temperature limit control operates before steam temperatures are reached. The high limit switch must be reset manually when it operates. BECAUSE THE HIGH LIMIT OPERATES ONLY WHEN ABNORMALLY HIGH WATER TEMPERATURES ARE PRESENT, IT IS IMPORTANT THAT A QUALIFIED SERVICE AGENT BE CONTACTED TO DETERMINE THE REASON FOR OPERATION BEFORE RESETTING.



# **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 and unplug the water heater. Do not attempt to reset thermostat with power on.
- Remove the front panel, see "Removing Front Panel" in the Periodic Maintenance section.
- · Remove the insulation to expose the reset button.
- · Reset the high limit by pushing in the red button.
- · Replace the insulation so that it completely covers the thermostat and element.
- · Replace the front panel.
- · Plug in and turn on the water heater.

### PERIODIC MAINTENANCE

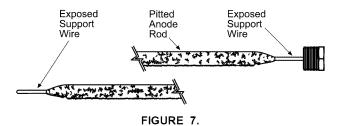
#### ANODE ROD INSPECTION

### CAUTION

#### **Property Damage Hazard**

- Avoid water heater damage.
- Inspection and replacement of anode rod required.

The anode rod is a sacrificial metal rod that helps avoid corrosion and premature failure (leaks) in the tank. The anode rod is a consumable item. Inspect the anode rod after the first six months of operation when you drain and flush the tank. Replace the anode rod if it is substantially worn out or depleted. Thereafter, inspect the anode rod annually or more frequently, if needed. If you use a water softener, your anode rod will deplete faster than normal. Inspect the anode rod more frequently, replacing the anode rod as needed. (Anode rods are consumable items and are not covered under warranty.)



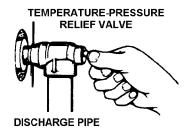
#### TEMPERATURE-PRESSURE RELIEF VALVE OPERATION



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

When checking the temperature-pressure relief valve operation, make sure that (1) no one is in front of or around the outlet of the temperature-pressure relief valve discharge line, and (2) that the water discharge will not cause any property damage, as the water may be extremely hot, see Figure 8.

NOTE: The discharge line 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.



#### FIGURE 8.

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.

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

#### **DRAINING**



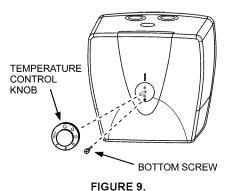
- Burn hazard
- · Hot water discharge.
- Keep hands clear of hot water discharge.

It is recommended that the tank be drained and flushed every 6 months to remove sediment which may build up during operation. The water heater should be drained if being shut down during freezing temperatures. To drain the tank, perform the following steps:

- 1. Turn off and unplug the water heater from the electrical outlet.
- 2. Open a nearby hot water faucet until the water is no longer hot.
- 3. CLOSE the cold water inlet valve to the water heater.
- Disconnect water connections. Remove unit from wall. NOTE: The unit will be heavy. Drain unit into a suitable drain or receptacle.
- 5. Re-mount the unit to the wall and reconnect the water lines.
- OPEN the cold water inlet valve and allow the tank to completely fill with water.
- Plug the unit into the electrical outlet and turn it on. Set the temperature as directed in Temperature Regulation section of this manual.

#### REMOVING THE FRONT PANEL

- 1. Turn off and unplug the water heater from the electrical outlet.
- 2. Remove the temperature knob by pulling straight out.
- 3. Using a Philips screwdriver, unscrew the bottom screw securing the outer door, see Figure 9.
- 4. Lift up and remove front panel.



#### THERMOSTAT REMOVAL / REPLACEMENT



#### REMOVAL

- 1. Turn off and unplug the water heater from the electrical outlet.
- Remove the front panel, see the "REMOVING THE FRONT PANEL" section in this manual. Remove the insulation pad.
- Using a 7mm wrench, loosen the nuts securing the high limit switch to the tank enough to rotate the switch 90° counterclockwise and slide it out from beneath the bracket. It is not necessary to remove the nuts completely.
- Remove the 3 wires (white, brown, and green/yellow) from the thermostat at the spade connections, carefully taking note of the original location of each wire.
- 5. Unscrew the 2 screws securing the thermostat to the front panel and remove thermostat.

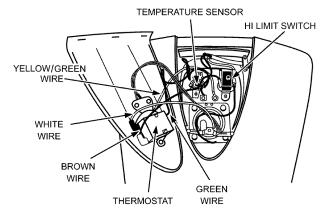


FIGURE 10.

#### REPLACEMENT

- Place the new thermostat against the front panel and secure it with the two screws.
- 2. Reattach the wires at the spade connections, taking care to place them in their original locations. Be sure to push the connector completely onto the spade terminals.
- Secure the temperature sensor to the tank by tightening the nuts. Be sure the sensor is firmly in contact with the tank surface.
- 4. Replace the insulation block and the front panel.

#### **ELEMENT CLEANING / REPLACEMENT**



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

- Turn off and unplug the water heater from the electrical outlet and follow "DRAINING INSTRUCTIONS."
- Remove the front panel, see the "REMOVING THE FRONT PANEL" section in this manual. Remove the insulation pad.
- Remove the two screws from the mounting bracket, see Figure 11, being careful not to drop the screws into the unit, as they will be difficult to retrieve. Remove bracket and set screws aside.
- 4. Remove the two spade connectors from the element.
- 5. Using a 10mm wrench, remove the four nuts around the element flange. Set nuts and lockwashers aside.
- Lift element up to clear the four mounting bolts, rotate 15° clockwise, and lift out.
- Discard the old gasket and clean the area around the element opening. Remove any sediment from or around the element opening and inside the tank.
- 8. If you are cleaning the element you have removed, do so by scraping or soaking in vinegar or a deliming solution.

NOTE: 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.

- A new gasket must be used in all cases to prevent a possible water leak. Place new element gasket in the element opening over the four element bolts, orienting the gasket bulge facing water side.
- 10.Insert the curved part of the element, rotate 20° clockwise, and continue to insert the element, being sure that the four bolts fit into the element flange.
- Replace the four lockwashers and 10mm nuts. Tighten until snug. DO NOT OVERTIGHTEN.
- 12. Place unit back on wall mounting bracket hooks. Reconnect the

water inlet and outlet, open the nearest hot water tap and follow filling instructions.

# **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. The manufacturer will not warrant any elements damaged by failure to follow instructions.

- 13. Check element for water leaks. If leakage occurs, tighten element. If necessary drain tank before repeating Steps 7 and 8, remove element and reposition gasket. Then repeat Steps 10 through 15.
- 14. Replace the two spade connectors on element into their original positions.
- 15. Replace the mounting bracket with the center rise facing outward and the screw hole up, see Figure 11.
- 16. Replace the insulation and front panel, lining up the three tabs at the top with the slots in the casing.
- 17. Replace the retaining screw and the temperature knob.
- 18. Plug heater into electrical outlet.

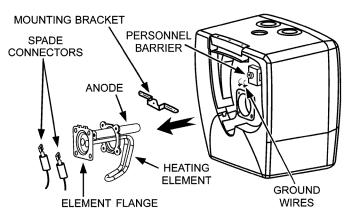


FIGURE 11.

#### TO REMOVE AND REPLACE ANODE:

- 1. Follow steps 1-8 of the Element Cleaning/Replacement section.
- 2. Using a 7mm wrench, remove the nut securing the anode.
- 3. Unscrew and remove anode.

- 4. Screw in the new anode and secure with the retaining nut.
- Follow instructions for replacing the element in "ELEMENT CLEANING/REPLACEMENT."

#### HIGH LIMIT SWITCH REMOVAL AND REPLACEMENT

- 1. Turn off and unplug the heater from the electrical outlet.
- Remove the front panel, see the "REMOVING THE FRONT PANEL" section in this manual. Remove the insulation pad. Remove personnel barrier.
- 3. Remove the four wires connected to the switch, taking care to note the original placement of each wire.
- 4. Using a 7mm wrench, remove the nuts securing the high limit switch to the tank enough to rotate the switch 90° counterclockwise and slide it out from beneath the bracket. It is not necessary to remove the nuts completely.
- Place the new switch beneath the bracket and rotate it 90° clockwise.

NOTE: The taller spade terminal will be on the right side.

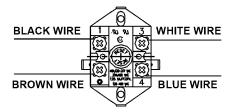


FIGURE 12.

- 6. Replace and tighten the nuts so the high limit switch is firmly in contact with the tank surface.
- 7. Replace the four wires, taking care that they are replaced into their original positions and tighten screws.
- 8. Replace personnel barrier; replace insulation block and the front panel.

#### **SERVICE**

If a condition persists or you are uncertain about the operation of the water heater contact Sears Repair Services.

If you are not thoroughly familiar with your water heater and safety practices, contact Sears Repair Services at 1-800-4-MY-HOME (1-800-469-4663).

### LEAKAGE CHECKPOINTS

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.

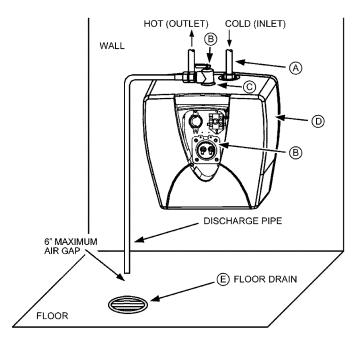
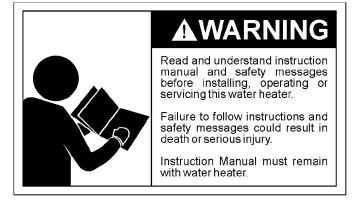


FIGURE 13.





Read this manual first. Make sure the electrical power supply has been turned "OFF" before checking the tank for leakage.

- \*A. Condensation and dripping may be seen on pipes if the water temperature is low in humid weather or pipe connections may be leaking.
- B. Small amounts of water from temperature-pressure relief valve may be due to thermal expansion or high water pressure in your area. If the valve is not piped to an open drain the released water could be mistaken for a leaking heater, see "Thermal Expansion" section.
- \*C. The temperature-pressure relief valve may be leaking at the tank fitting.
- D. Water on the side of the tank may be condensation due to the panel or insulation not being in place.
- \*E. Water in the water heater bottom or on the floor may be from condensation, loose connections, or the 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.
- \* To check where threaded portion enters tank, insert cotton swab between jacket opening and fitting. If cotton is wet, follow "Draining" instructions in the "Periodic Maintenance" 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 "Installing the New Water Heater" section.

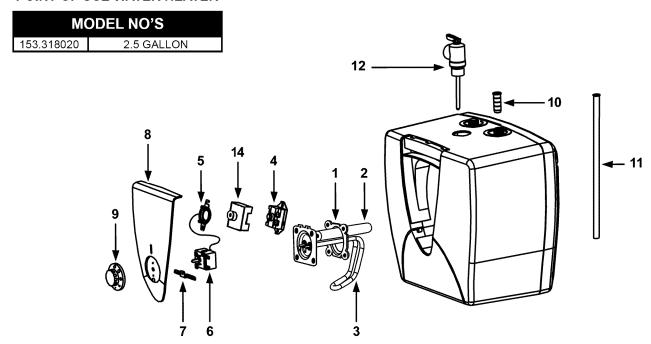
# TROUBLESHOOTING GUIDELINES

These guidelines should be utilized by a qualified service agent.

PROBLEM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION	
WATER LEAKS (See Leakage Checkpoints in this	Improperly sealed, hot or cold supply connection, relief valve or drain valve.	Tighten threaded connections.	
manual)	Leakage from other appliances or water lines.	Inspect other appliances near water heater.	
NO HOT WATER	No power to heater.	Turn on electrical switch. Check for blown fuses or tripped breaker.	
	High Temperature Limit Switch open.	Reset. Check for source of trouble and correct.	
	Non-functioning thermostat.	Replace thermostat.	
INSUFFICIENT HOT WATER	Non-functioning thermostat.	Replace thermostat.	
	Improper calibration.	Replace thermostat.	
	Thermostat set too low.	Set thermostat to desired temperature.	
	Sediment or lime in tank.	Drain. Determine if water treatment is needed.	
	Heater too small for job.	Install adequate water heater.	
	Wrong piping connections.	Correct piping.	
	Leaking faucets.	Repair faucets.	
	Wasted hot water.	Review and reduce hot water consumption.	
	Long runs of exposed pipe.	Insulate piping.	
	Hot water piping on outside wall.	Insulate piping.	
HIGH OPERATION COSTS	Improper Calibration.	Replace thermostat.	
	Thermostat set too high.	Set thermostat to desired setting.	
	Sediment or lime in tank.	Drain. Flush-Provide water treatment if needed.	
	Heater too small for job.	Install adequate heater.	
	Wrong piping connections.	Correct piping.	
	Leaking faucets.	Repair faucets.	
	Wasted hot water.	Review and reduce hot water consumption.	
	Long runs of exposed piping.	Insulate piping.	
	Hot water piping in exposed wall.	Insulate piping.	
SLOW HOT WATER RECOVERY	Non-functioning element.	Replace element.	
DRIP FROM RELIEF VALVE	Excessive water pressure.	Use Pressure Reducing Valve and Pressure Relief Valve.	
	Closed system.	See "Thermal Expansion" in the TROUBLESHOOTING GUIDE section.	
THERMOSTAT DOES NOT SHUT OFF	Non-functioning thermostats.	Replace thermostats.	
	Improper calibration.	Replace thermostats.	
WATER ODOR	Sulfides in the water.	See "Operational Conditions" in the OPERATIONAL CONDITIONS section.	
WATER HEATER SOUNDS	Scale accumulation on elements.	Clean or replace element.	

### **REPAIR PARTS LIST**

# KENMORE 2.5 GALLON POINT OF USE WATER HEATER



Key		Model Numbers
No.	Part Description	153.318020
1	Element Gasket	9006401
2	Anode Rod	INCLUDED IN ELEMENT ASSEMBLY
3	Element Assembly with Gasket, Anode & Fasteners	9006405
4	High Limit with Personnel Barrier	9006403
5-6	Temperature Sensor and Thermostat	9006402
7	Mounting Bracket	SHOWN FOR CLARITY ONLY
8	Front Panel	408429-000
9	Temperature Control Knob	9006400
10	Heat Traps	401350-002
11	Dip Tube	400203-015
12	Temperature-Pressure Relief Valve	9000071
*13	Element Bolts	INCLUDED WITH ELEMENT ASSEMBLY
14	Personnel Barrier	INCLUDED WITH HI LIMIT
*15	Manual	185838-001

<sup>\*</sup>Not Illustrated

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 1-800-4-MY-HOME (1-800-469-4663). Be sure to provide all pertinent facts when you call or visit.

All Parts listed may be ordered from any Sears Service Center and by calling 1-800-366-PART (1-800-366-7278).

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 rating plate.

# 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.

# Get it fixed, at your home or ours!

### **Your Home**

For troubleshooting, product manuals and expert advice:



www.managemylife.com

For repair – in your home – of all major brand appliances, lawn and garden equipment, or heating and cooling systems, no matter who made it, no matter who sold it!

For the replacement parts, accessories and owner's manuals that you need to do-it-yourself.

For Sears professional installation of home appliances and items like garage door openers and water heaters.

1-800-4-MY-HOME<sup>®</sup> (1-800-469-4663)

Call anytime, day or night (U.S.A. and Canada)

www.sears.com

www.sears.ca

### **Our Home**

For repair of carry-in items like vacuums, lawn equipment, and electronics, 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)

www.sears.com

www.sears.ca

To purchase a protection agreement on a product serviced by Sears:

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

1-800-361-6665 (Canada)

Para pedir servicio de reparación a domicilio, y para ordenar piezas:

Au Canada pour service en français:

1-888-SU-HOGAR®

1-800-LE-FOYERMC

(1-888-784-6427) www.sears.com (1-800-533-6937) www.sears.ca



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