This water heater design has been certified by the Canadian Standards Association for installation in recreation vehicles. This water heater is not for use in marine applications.

SERVICE CALLS & QUESTIONS
Location and phone numbers of qualified Service Centers can be found at our website http://www.atwoodmobile.com or call 574-264-2131 to have a Service Center List mailed.

SAFETY ALERT SYMBOLS
Safety Symbols alerting you to potential personal safety hazards. Obey all safety messages following these symbols.

**WARNING**

- avoid possible injury or death

**CAUTION**

- avoid possible injury and/or property damage

Installation and service must be performed by a qualified Service Technician, Service Center, OEM or Gas Supplier.

**WARNING**

FIRE OR EXPLOSION

- If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Evacuate ALL persons from vehicle.
- Shut off gas supply at gas container or source.
- DO NOT touch any electrical switch, or use any phone or radio in vehicle.
- DO NOT start vehicle's engine or electric generator.
- Contact nearest gas supplier or qualified Service Technician for repairs.
- If you cannot reach a gas supplier or qualified Service Technician, contact the nearest fire department.
- DO NOT turn on gas supply until gas leak(s) has been repaired.

EXPLANATION OF MODEL NUMBER (EXAMPLE)

- IF YOUR MODEL NUMBER IS NOT LISTED-
  Older revision numbers may be 3, 4, 6, 7, 8 or 9 ( _ _ _ _ _ - X _ )

Regardless of your revision number the current instructions are still generally applicable to your unit. If you have questions contact your dealer, an Atwood Service Center or the Atwood Service Department.

MODEL NUMBER CLARIFICATION

- Pilot Ignition
  - G4-7
  - G6A-7
  - G6AA-8P
  - G6AA-8
  - G96A-7
  - G10-2
  - G10-2P
  - GC10A-2
  - GC10A-2P
  - GCH10A-3E
  - GCH10A-3E
  - GCH10A-3E
  - GCH10A-3E

- Electronic Ignition
  - G6A-8E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E
  - GHC6A-9E

- Heat Exchange
  - H in model # - SEE MODEL CLARIFICATION ABOVE

- Electronic Ignition
  - E in model # - SEE MODEL CLARIFICATION ABOVE

- Combination Gas/Electric
  - C in model # - SEE MODEL CLARIFICATION ABOVE

DIMENSIONS

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<tr>
<td>Combination Gas/Electric</td>
<td>C in model</td>
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</table>

- **Shipping WT.**
  - 6 GALLON: 25 lbs
  - 10 GALLON: 32 lbs
USA AND CANADA - FOLLOW ALL APPLICABLE STATE AND LOCAL CODES - IN THE ABSENCE OF LOCAL CODES OR REGULATIONS, REFER TO CURRENT STANDARDS OF:
• Recreation Vehicles ANSI A119.2/NFPA 501C.
• National Fuel Gas Code ANSI Z223.1 and/or CAN/CGA B149 Installation Codes
• Federal Mobile Home Construction & Safety Standard, Title 24 CFR, part 3280, or when this Standard is not applicable, the Standard for Manufactured Home Installations (Manufactured Home Sites, Communities and Set-Ups), ANSI A255.1 and/or CAN/CSA-Z240 MH Series, Mobile Homes.
• National Electrical Code ANSI/NFPA No. 70 and/or CSA C22.1
• Park Trailers A119.5
• CSA standard Z240 RV Series, Recreational Vehicle.

GENERAL INSTALLATION

Below is the most common type of installation for the water heater. However, there are other approved methods such as baggage compartment (refer to MPD 90093) and flush mounting installations (refer to MPD 93948). Consult your Field Auditor, Account Manager, or the Department (refer to MPD 93948). Consult your Field Auditor, Account Manager, or the

1. Locate water heater on floor of coach before erecting side walls. The water heater tank must be permanently supported at the same level as the bottom of sidewall cutout (by the floor or a raised floor). The water heater tank must be permanently supported at the same level as the bottom of sidewall cutout (by the floor or a raised floor).
2. To install water heater on an exterior wall, with access door opening to outdoors. DO NOT modify water heater in any way.
3. Protect building materials from flue gas exhaust. DO NOT alter water heater for a positive grounding system.
4. Install water heater on an exterior wall, with access door opening to outdoors. DO NOT vent water heater to an outside enclosed porch area.
5. Allow flexibility in water and gas lines so you can pull unit forward through wall one inch past skin (fig. 2).
6. Seal gas line entrance opening by sliding grommet (fig. 1-D) onto gas line and grommet through opening in housing (fig. 1-C). Connect flare fitting (fig. 1-E) and press grommet into opening. If gas line tubing is already flared, cut grommet on one side. Place split grommet over gas line and press it into opening.
7. Always use pipe lubricant on threads when connecting hot and cold water couplings. A suitable plastic fitting is recommended.

<table>
<thead>
<tr>
<th>CUTOUT</th>
<th>CAPACITY</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</table>

MINIMUM CLEARANCE FROM COMBUSTIBLE CONSTRUCTION

Sides: 0’ Top: 0’
Back: 0’ Bottom: 0’

6. Bend all flanges 90° along scored lines (fig. 3).
7. To prevent water leaks caulk thoroughly around opening, including bend slots (fig. 3-A). Butyl Tape (1”x1/8”) may be substituted for caulking material.
8. Push unit against caulking, secure 4-corner brackets fig. 4-A to coach with No.8 - 3/4” round head screws (not furnished) or equivalent. Complete the installation by inserting the same type of #8 screws in the holes provided around the flange of the water heater housing. Check all gaskets, they must adhere to the pan creating an air tight seal.
9. Attach access door (fig. 5).
10. Disconnect unit and its individual shut-off valve from gas supply line during any pressure testing of system in excess of 1/2 PSIG (3.4 kPa, 14” water column [W.C.]). DO NOT set inlet pressure higher than maximum indicated on rating plate of gas valve (13” W.C.). Isolate unit from gas supply line by closing its individual manual shutoff valve during any pressure testing ≤ 1/2 psig.

WARNING FIRE AND/OR EXPLOSION

• DO NOT use matches, candles or other sources of ignition when checking for gas leaks.

11. Turn on gas and check water heater and all connections for gas leaks with leak detecting solution.
12. Fill water heater tank, check all connections for water leaks (fig. 1-A & B).

PRESSURE-TEMPERATURE RELIEF VALVE - (FIG 10)

WARNING SCALDING INJURY

• Valve is not serviceable, it must be replaced.
• Tampering with valve will result in scalding injury.
• Tampering with valve will void warranty.

WARNING EXPLOSION

• DO NOT place a valve, plug or reducing coupling on outlet port of pressure temperature relief valve.

THIS VALVE IS A SAFETY COMPONENT AND MUST NOT BE REMOVED FOR ANY REASON OTHER THAN REPLACEMENT. This water heater is equipped with a temperature and pressure relief valve that complies with standard for Relief Valves and Automatic Gas Shutoff Devices for Hot Water Systems, ANSI Z21.22.

If you use a discharge line, do not use a reducing coupling or other restriction smaller than outlet of relief valve. Allow complete drainage of both valve and line.

FOR REPLACEMENT PARTS:
• DO NOT install anything less than a combination temperature-pressure relief valve certified by a nationally recognized testing laboratory that maintains periodic inspection of product of listed equipment or materials, as meeting requirements for Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems, ANSI Z21.22. Valve must have a maximum set pressure not to exceed 150 psi.
• Install valve into opening provided and marked for this purpose on water heater.
• Installation must conform with local codes or in the absence of local codes, American National Standard for Recreational Vehicles, ANSI A119.2/NFPA 501C.

CAUTION PRODUCT DAMAGE

• Do not lift, pull or push main burner tube (fig. 9-C).

5. Erect side walls and cut opening. See chart and fig 2-A & B. Frame with 2x2 lumber (or equivalent).
• For an external electrical source, ground this unit in accordance with National Electrical Code ANSI/NFPA70.

Your Atwood gas water heater is now ready for operation. Continue to HOW TO OPERATE YOUR WATER HEATER.

Electronic Ignition continue to Electronic Ignition WIRING INSTRUCTIONS. Pilot Relight continue to Pilot Relight WIRING INSTRUCTIONS.

For HEAT EXCHANGE continue —
1. Push 5/8” dia. 2 or 3 coolant system hose with SAE 053 A Type “E”clamp attached (FIG 6-E) onto heat exchange tube as far as possible (FIG 6-B).
2. Spread hose clamp and slide toward heat exchange unit past annular groove (FIG 6-C) and release.
3. Continue to HOW TO OPERATE YOUR WATER HEATER and/or Electronic Ignition OPERATION.

For COMBINATION GAS/ELECTRIC MODELS continue —
This water heater is designed to operate with gas, electricity, or a combination of both.
Provide adequate clearance at rear of unit for service of water connections and operation of manually re-settable high temperature limit switch on combination gas/electric units.
1. Follow GENERAL INSTALLATION instructions.

NOTE: All wiring must comply with applicable electrical codes.

CONSUMER SAFETY WARNINGS

WARNING
EXPLOSION OR FIRE
• Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
• Should overheating occur, or gas supply fail to shut off, turn OFF manual gas control valve to appliance, or turn gas OFF at the LP tank. On ELECTRONIC IGNITION MODEL turn operating switch to OFF position and remove red wire from left hand terminal of ECO switch or turn gas OFF at the LP tank.
• Use with LP gas only.
• Shut off gas appliances and pilot lights when refueling.
• On PILOT RELIGHT MODELS, turn off the ignition module when refueling gasoline tanks or LP tanks.
• Turn gas OFF at the LP tank when vehicle is in motion. This disables all gas appliances and pilot lights. Gas appliances must never be operated while vehicle is in motion. Unpredictable wind currents may be created which could cause flame reversal in the burner tube, which could result in fire damage. The thermal cut off fuse could also be unnecessarily activated resulting in a complete shut down of the water heater requiring replacement of the thermal cut off. See maintenance of electronic ignition water heaters for further explanation of the thermal cut off.
• LP tanks must be filled by a qualified gas supplier only.

HOW TO OPERATE YOUR WATER HEATER

CAUTION
FIRE
• Do not smoke or have any flame near an open faucet.

If water heater has not been used for more than two weeks, hydrogen gas may form in water line. Under these conditions to reduce the risk of injury, open hot water faucet for several minutes at kitchen sink before you use any electrical appliance connected to hot water system.
If hydrogen gas is present, you will probably hear sounds like air escaping through the pipe as water begins to flow.

CAUTION
SCALDING INJURY
• Do not tamper with pilot orifice.

CAUTION
PRODUCT FAILURE
• Do not operate without water in tank.

PILOT OPERATION
1. Turn gas control valve knob (FIG 7-B or FIG 8-B) to OFF position.
2. Wait at least five minutes to allow accumulated gas in burner compartment to escape.
3. Water heater may be equipped with a White Rodgers® or Robertshaw Unitrol® Control.

Operation using gas continue to HOW TO OPERATE YOUR WATER HEATER, electrically continue to COMBINATION Gas/Electric OPERATION.

ELECTRONIC IGNITION - WIRING INSTRUCTIONS
1. Install unit according to GENERAL INSTALLATION instructions.

NOTE: It is recommended unit be connected directly to a 12V DC battery or to filtered side of an AC/DC converter. Avoid connections to unfiltered side of an AC/DC converter whenever possible. Use a minimum of 18 gauge wire, UL and CSA listed.

Refer to WIRING DIAGRAM. Install remote switch in a convenient location. Position wall plate with letters up. Before making connections turn switch OFF. The switch is off when the button is depressed towards terminal see wiring diagram.
FOR WHITE RODGERS® CONTROL (FIG 7)  
1. Place remote switch in ON position. 
2. For electrical operation use switch at the rear of water heater. 
3. For complete shut-down, turn lighting control knob on thermostat to lowest possible position. 
4. If pilot does not remain lit, repeat operation allowing longer period before releasing reset push button. 
5. To Adjust Main Burner (FIG 9): 
   a. Loosen air shutter screw (FIG 9-A). 
   b. Slide air shutter (FIG 9-B) to right until some yellow appears in main burner flame. 
   c. Move air shutter (FIG 9-B) to left until yellow disappears. 
   d. Retighten air shutter screw (FIG 9-A). 
6. If heater fails to operate due to high water temperature, a lockout condition occurs (indicator light on). After water cools, reset switch in OFF position for at least 30 seconds, then turn to ON position. 
7. If a lockout condition persists contact an Atwood Service Center. 

FOR A ROBERTSHAW UNITROL® (FIG 8)  
1. Place remote switch in ON position. 
2. For energy efficient operation and sufficient hot water, Valves for reducing point of use temperature by mixing cold and hot water are available. Consult a licensed plumber or local plumbing authority. 
3. completely fill tank with water. 
4. For complete shut-down and before servicing, turn gas control knob to lowest possible position. 
5. For electrical operation use switch at the rear of water heater. 
6. If the previous two steps did not solve the problem, check the thermal cut-off. The thermal cutoff is a device installed in the power supply line. This device will shut off electrical power and stop heater operation when activated. For example, if an obstruction within the flue tube should occur, such as described above in the Preventative maintenance section, the burner flame/heat may contact the cutoff, resulting in a melting of the fuse element incorporated in the thermal cutoff. In order to restore power and proper operation of the water heater, the obstruction must be removed and the thermal cutoff must be replaced. 

WARNING SCALDING INJURY  
Setting temperature control dial at a higher position will produce excessively hot water. The temperature knob or lever is factory adjusted to its lowest dial setting. We recommended the mid-point position between warm and hot, as noted above. This will provide for energy efficient operation and sufficient hot water. Valves for reducing point of use temperature by mixing cold and hot water are available. Consult a licensed plumber or local plumbing authority. 

MAINTENANCE AND CARE INSTRUCTIONS  
SERVICE CALLS & QUESTIONS  
Location and phone numbers of qualified Service Centers can be found at our website http://www.atwoodmobile.com or call 574-264-2131 to have a Service Center List mailed. 

WARNING  
FIRE OR EXPLOSION  
• Shut off gas supply at LP container before disconnecting a gas line. 
• Keep control compartment clean and free of gasoline, combustible material, and flammable liquids and vapors. 

WARNING  
EXPLOSION / BURN INJURY  
• DO NOT alter water heater, it will void warranty. 
• DO NOT USE Aftermarket heating elements, they can lack critical safety controls. 
• Use of Aftermarket heating elements can lead to an out of control heating of water tank and a catastrophic wet side explosion. 

The use of any aftermarket heating element devices may also result in damage to components or water heater. Atwood’s written warranty states - “failure or damage resulting from any alteration to our water heater is the owner’s responsibility”. Any alteration, like the addition of an aftermarket heating element device, will void the warranty. 

GENERAL INFORMATION  
• LP and Water system must be turned on. 
• Have gas pressure tested periodically. Should be set at 11 inches of water column with three appliances running. 
• Drain water heater at regular intervals (at least one time during the year). 
• Drain water heater before storing RV for the winter or when the possibility of freezing exists. 
• Keep vent and combustion air grill clear of any obstructions. 
• Periodically, compare flame of main and pilot burners with FIG and main burner adjustments in HOW TO OPERATE YOUR WATER HEATER. 
• When water heater is not in use set temperature control lever (White Rogers®) or dial (Robertshaw®) to lowest possible position. This will reduce the effects of low outdoor temperatures on calibration of temperature control mechanism. 
• Presence of soot indicates the need to adjust flue. 

ELECTRONIC IGNITION MAINTENANCE  
• The water heater comes factory-equipped with a fused circuit board, which will protect the circuit board from wire shorts. If the fuse should activate, the water heater will not operate. Before replacing the fuse, check for a short external to the board. Once the short is corrected, replace the 2 amp fuse with a mini ATO style fuse. Do not install a fuse larger than 3 amps. 
• If the fuse is good and the unit is inoperative, check for excessively high voltage to the unit (more than 14 volts). 
• If the previous two steps did not solve the problem, check the thermal cut-off. The thermal cutoff is a device installed in the power supply line. This device will shut off electrical power and stop heater operation when activated. For example, if an obstruction within the flue tube should occur, such as described above in the Preventative maintenance section, the burner flame/heat may contact the cutoff, resulting in a melting of the fuse element incorporated in the thermal cutoff. In order to restore power and proper operation of the water heater, the obstruction must be removed and the thermal cutoff must be replaced. 

ELECTRONIC IGNITION OPERATION  
1. Refer to WIRING DIAGRAM. Place remote switch in ON position. 
2. If remote switch light stays on longer than 15 seconds, place remote switch in OFF position and wait 5 minutes. 
3. Repeat step one. 
4. For complete shut-down and before servicing: 
   a. Place remote switch in OFF position. 
   b. Remove red wire from left hand terminal of ECO switch (ECO to valve). 
5. Check for proper operation. Water temperature is set at 140°F (60°C). 
6. If the manual reset high temperature limit switch should operate, reset switch (FIG 11-A) by depressing with pencil or other nonmetallic object. If still experiencing problems contact an authorized Atwood Service Center or Atwood Service Department. 

Read MAINTENANCE AND CARE INSTRUCTIONS. 

ELECTRONIC IGNITION MAINTENANCE  
• The water heater comes factory-equipped with a fused circuit board, which will protect the circuit board from wire shorts. If the fuse should activate, the water heater will not operate. Before replacing the fuse, check for a short external to the board. Once the short is corrected, replace the 2 amp fuse with a mini ATO style fuse. Do not install a fuse larger than 3 amps. 
• If the fuse is good and the unit is inoperative, check for excessively high voltage to the unit (more than 14 volts). 
• If the previous two steps did not solve the problem, check the thermal cut-off. The thermal cutoff is a device installed in the power supply line. This device will shut off electrical power and stop heater operation when activated. For example, if an obstruction within the flue tube should occur, such as described above in the Preventative maintenance section, the burner flame/heat may contact the cutoff, resulting in a melting of the fuse element incorporated in the thermal cutoff. In order to restore power and proper operation of the water heater, the obstruction must be removed and the thermal cutoff must be replaced. 

COMBO gas/electric ELECTRIC OPERATION  
1. For gas operation refer to Pilot, Pilot Relight or Electronic Ignition OPERATION section (as applicable). 
2. For electrical operation use switch at the rear of water heater. 
3. Completely fill tank with water.
PREVENTATIVE MAINTENANCE
Spiders, mud wasps, and other insects can build nests in burner tube. This causes poor combustion, delayed ignition or ignition outside combustion tube. Listen for a change in burner sounds or in flame appearance from a hard blue flame to a soft lazy flame or one that is very yellow. These are indications of an obstruction in burner tube (FIG 9-C). Inspect and clean on a regular basis.

a. Remove air shutter screw (FIG 9-A) and slide air shutter (FIG 9-B) down burner tube.

b. Run a flexible wire brush down burner tube (FIG 9-C) until it is visible at end of burner tube.

c. Vacuum burner where it enters combustion tube.

3. Main burner and valve manifold must align with each other.

d. Return air shutter to original position and replace screw.

e. The orifice, burner tube and shutter must be aligned so that the shutter is not binding on the air tube.

HOW TO CLEAN PILOT MODELS
1. Check main burner orifice and pilot assembly for contamination (dirt, spider webs, etc.).
2. Clean main burner tube with small brush.
3. Main burner adjustment - open air shutter 1/4 way.
4. Low pilot flame. Check for contamination - if clean have the pilot orifice replaced.

HOW TO CLEAN ELECTRONIC IGNITION MODEL
1. Check main burner orifice.
2. Clean and adjust main burner.
3. Main burner and valve manifold must align with each other.
4. Check electrode for cracked porcelain.
5. Check electrode proper gap - 1/8” between electrode and ground.
6. If module board functions intermittently, remove board and clean terminal block with pencil eraser.

WATER HEATER TANK CARE

TO FLUSH TANK WITH AIR PRESSURE:
1. Turn off water heater supply (the pump or water supply tap).
2. Let water cool or let run until cool.
3. Open the hot water faucet closest to the water heater.
4. Pull handle of pressure temperature relief valve straight out and allow water to flow until it stops.
5. Allow pressure temperature relief valve to snap shut; close faucet; turn on water supply.
6. Turn on water heater and test.

TO REPLACE THE AIR GAP FOLLOW THESE STEPS:
1. Remove the drain plug and thoroughly drain all water from the tank.
2. Drain Water Heater Tank by removing the drain plug. If the water contains most of the harmful corrosive particles. To remove these harmful corrosive particles flush the tank with either air or water. Whether using air or water pressure, it may be applied through the inlet or outlet on the rear of the tank or the Pressure Temperature Relief Valve. (If using the Pressure Temperature Relief Valve the Support Flange must be removed). The pressure will force out the remaining water and the corrosive particles.

3. After draining the tank, because of the placement of the Drain Plug, approximately two quarts of water will remain in the tank. This water contains most of the harmful corrosive particles. To remove these harmful corrosive particles flush the tank with either air or water. Whether using air or water pressure, it may be applied through the inlet or outlet on the rear of the tank or the Pressure Temperature Relief Valve. (If using the Pressure Temperature Relief Valve the Support Flange must be removed). The pressure will force out the remaining water and the corrosive particles.

4. If you use water pressure, pump fresh water into the tank with the assistance of the on-board pump or use external water for 90 seconds to allow the fresh water to agitate the stagnant water on the bottom of the tank and force deposits through the drain opening. Continue repeating adding water and draining until the particles have been cleared from the water remaining in the tank.

5. Replace the Drain Plug and close the Pressure Temperature Relieve Valve. The approximately two quarts of water reming in the tank after draining will not cause damage to the tank should freezing occur.


e. Peel binding on the air tube.

PRESSURE-TEMPERATURE RELIEF VALVE

WARNING EXPLOSION

A Pressure Temperature Relief Valve, dripping while the water heater is running, DOES NOT mean it is defective. During normal expansion of water, as it is heated in the closed water system of a recreation vehicle, the Pressure Temperature Relief Valve will sometimes drip. The Atwood water heater tank is designed with an internal air gap at the top of the tank to reduce the possibility of dripping. In time, the expanding water will absorb this air and it must be restored.

When pressure-temperature relief valve discharges again, repeat above procedure. For a permanent solution, we recommend one of the following:
1. Install a pressure relief valve in cold water inlet line to water heater and attach a drain line from valve to outside of coach. Set to relieve at 100-125 PSI.
2. Install a diaphragm-type expansion tank in cold water inlet line. Tank should be sized to allow for expansion of approximately 15 oz. of water and pre-charged to a pressure equal to water supply pressure. These devices can be obtained from a plumbing contractor or service center.

FLUSHING TO REMOVE UNPLEASANT ODOR
A rotten egg odor (hydrogen sulfide) may be produced when the electro galvanic action of the cladding material releases hydrogen from the water. If sulfur is present in the water supply the two will combine and produce an unpleasant smell.

1. Turn off main water supply. Drain the water heater tank and reinstall drain plug. Remove the pressure-temperature relief valve. Mix solution of 4 parts white vinegar to 2 parts water. With a funnel, carefully pour solution into tank.
2. Cycle water heater with the above solution, letting it run under normal operation 4-5 times.

3. Remove the drain plug and thoroughly drain all water from the tank. Flush the water heater to remove any sediment. You may flush the tank with air pressure or fresh water. Pressure may be applied through either the inlet or outlet valves on the rear of the tank or through the pressure-temperature relief valve coupling located on the front of the unit.

4. Replace drain plug and pressure-temperature relief valve. Insert your air pressure through the pressure-temperature relief valve coupling. With the drain valve open, the air pressure will force the remaining water out of the unit.

5. Refill tank with fresh water that contains no sulphur.

The Atwood water heater is designed for use in a recreation vehicle. If you use your vehicle frequently or for long periods of time, flushing the water heater several times a year will prolong the life of the storage tank.

SCALDING INJURY
**WIRING DIAGRAMS**

**Dotted lines are wired by customer**

- Gas Solenoid Valves
- ECO Switch
- Non-Ignition Light
- Thermal Cut-Off
- Remote Switch
- 12 volt DC
- Battery
- Remote Switch

**SPARK IGNITION**
- Spark & Sense

**PILOT RELIGHT**
- Spark Module
- High Voltage Lead to Burner Electrode
- Fixed Thermostat
- Manual Reset

**COMBO gas/electric**
- Hot Lead
- Ground Lead
- Common Lead
- Element

**SCHÉMAS ÉLECTRIQUES**

**Les lignes en pointillés sont branchées par le client**

- Électrovannes à gaz
- Interrupteur ECO
- Voyant lumineux de non allumage
- Coupure thermique
- Interrupteur à distance
- 12 V c. c.
- Batterie
- Interrupteur à distance

**ALLUMAGE ÉLECTRONIQUE**
- Décharger et détecter

**RALLUMAGE DE VEILLEUSE**
- Module d’étincelle
- Fil de haute tension vers l’électrode du brûleur

**COMBINAISON gaz-électricité**
- Interrupteur
- Fil de phase
- Fil de masse
- Fil neutre
- Élement

**ATTENTION DOMMAGES ÉLECTRIQUES**
- Lors de la réparation des commandes, étiqueter tous les fils avant de les déconnecter.
- Après toute réparation, vérifier au bon fonctionnement de l’unité.
## PART IDENTIFICATION
### IDENTIFICATION DES PIÈCES

**WATER HEATER**  
**PILOT RELIGHT**

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<thead>
<tr>
<th>ITEM</th>
<th>6 GALLON 22 LITRES</th>
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<td>Brûleur principal</td>
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<tr>
<td>7</td>
<td>91603</td>
<td>91603</td>
<td>Pilot Assembly</td>
<td>Veilleuse</td>
</tr>
<tr>
<td>8</td>
<td>✓</td>
<td>✓</td>
<td>Exterior Access Door</td>
<td>Trappe d’accès extérieur</td>
</tr>
<tr>
<td>9</td>
<td>93801</td>
<td>93801</td>
<td>Spark Module</td>
<td>Module d’allumage</td>
</tr>
<tr>
<td>10</td>
<td>93804</td>
<td>93804</td>
<td>Electrode Assembly</td>
<td>Électrode</td>
</tr>
<tr>
<td>13</td>
<td>93803</td>
<td>93803</td>
<td>Wiring Harness</td>
<td>Faisceau électrique</td>
</tr>
</tbody>
</table>

**COMBO GAS/ELECTRIC**

- **Back of 6 gallon unit**  
  Arrière du modèle 22 litres

- **Back of 10 gallon unit**  
  Arrière du modèle 38 litres
Atwood Mobile Products warrants to the original owner and subject to the below mentioned conditions, that this product will be free of defects in material or workmanship for a period of two years from the original date of purchase. Atwood’s liability hereunder is limited to the replacement of the product, repair of the product, or replacement of the product with a reconditioned product at the discretion of the manufacturer. This warranty is void if the product has been damaged by accident, unreasonable use, neglect, tampering or other causes not arising from defects in material workmanship. This warranty extends to the original owner of the product only and is subject to the following conditions:

1. For a period of two years from the date of purchase, Atwood will replace the complete water heater if the inner tank leaks due to corrosion. This warranty includes reasonable labor charges required to replace the complete water heater.

2. For two years from the date of purchase, Atwood will repair or replace any part defective in material or workmanship. This warranty includes reasonable labor charges, required to remove and replace the part. Service calls to customer’s location are not considered part of these charges and are, therefore, the responsibility of the owner.

3. This warranty does not cover the following items classified as normal maintenance:
   a. adjustment of gas pressure
   b. cleaning or replacement of burner orifice
   c. cleaning or adjustment of burner tube
   d. cleaning or adjustment of flue
   e. cleaning or adjustment of pilot and thermocouple
   f. adjustment of pressure-temperature relief valve
   g. replacement of thermal cut-off device.

4. In the event of a warranty claim, the owner must contact, in advance, either an authorized Atwood Service Center or the Atwood Service Department. Warranty claim service must be performed at an authorized Atwood Service Center (a list will be provided at no charge) or as approved by the Consumer Service Department, Atwood Mobile Products, 1120 North Main St., Elkhart, IN 46514 USA. Phone: (574-264-2131).

5. Return parts (or water heater) must be shipped to Atwood “Prepaid”. Credit for shipping costs will be included with the warranty claim. The defective parts (or water heater) become the property of Atwood Mobile Products and must be returned to the Consumer Service Department, Atwood Mobile Products, 6320 Kelly Willis Road, Greenbrier, TN 37073 USA.

6. This warranty applies only if the unit is installed according to the installation instructions provided and complies with local and state codes.

7. The warranty period on replacement parts (or water heater) is the unused portion of the original warranty period or ninety (90) days, whichever is greater.

8. Damage or failure resulting from misuse (including failure to seek proper repair service), misapplication, alterations, water damage, or freezing are the owner’s responsibility.

9. Atwood does not assume responsibility for any loss of use of vehicle, loss of time, inconvenience, expense for gasoline, telephone, travel, lodging, loss or damage to personal property or revenues. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

10. Any implied warranties are limited to two (2) years. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

11. Replacement parts (components or tanks) purchased outside of the original water heater warranty carry a 90 day warranty. This includes the part at no charge and reasonable labor charges to replace it.

This Atwood heater is designed for use in recreational vehicles for the purpose of heating water as stated in the “data plate” attached to the water heater. Any other use, unless authorized in writing by the Atwood Engineering Department, voids this warranty.