

Suburban IW60 5286A

Suburban IW60 5286A On-Demand 60,000 BTU Water Heater Instruction Manual

Model: IW60 5286A

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Suburban IW60 5286A On-Demand 60,000 BTU Water Heater. Please read this manual thoroughly before attempting any installation, operation, or maintenance procedures. Retain this manual for future reference.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. This water heater must be installed and serviced by a qualified professional in accordance with all local codes and regulations. Failure to follow these instructions could result in property damage, personal injury, or death.

- **Gas Safety:** This appliance uses propane gas. Ensure proper ventilation and check for gas leaks after installation and during maintenance. Do not store flammable materials near the water heater.
- **Water Temperature:** Hot water can cause severe burns instantly. Exercise caution when using hot water. Consider installing anti-scald devices if necessary.
- **Electrical Safety:** Ensure the unit is properly grounded. Disconnect power before servicing.
- **Carbon Monoxide:** This appliance produces carbon monoxide. Proper venting is crucial to prevent carbon monoxide poisoning. Install and maintain carbon monoxide detectors.

3. PRODUCT OVERVIEW

The Suburban IW60 5286A is an on-demand (tankless) water heater designed to provide continuous hot water. It features a 60,000 BTU heating capacity, making it suitable for various applications, particularly in recreational vehicles (RVs).



Figure 3.1: Side view of the Suburban IW60 5286A On-Demand Water Heater. This image displays the compact design of the unit, showing its white casing and the circular vent on the right side, which is essential for exhaust and air intake.



Figure 3.2: Front view of the Suburban IW60 5286A On-Demand Water Heater's vent. The circular vent, labeled 'SUBURBAN' and 'DO NOT BLOCK OPENING', is visible, indicating the exhaust and intake port for combustion.

4. SETUP AND INSTALLATION

Installation of the Suburban IW60 5286A water heater requires knowledge of gas, water, and electrical systems. It is strongly recommended that installation be performed by a certified technician to ensure compliance with all applicable codes and safety standards.

4.1 Pre-Installation Checks

- Verify that the installation location meets clearance requirements for ventilation and access.
- Ensure adequate gas supply pressure and proper electrical connections (12V DC for RV applications).
- Confirm water supply pressure and flow rate are within the unit's specifications.

4.2 Mounting the Unit

Mount the water heater securely to a solid surface, ensuring it is level. Refer to the installation template (if provided with the unit) for precise measurements and hole placement.

4.3 Connecting Utilities

- **Water Connections:** Connect the cold water inlet and hot water outlet lines. Use appropriate fittings and sealants to prevent leaks.
- **Gas Connection:** Connect the gas supply line to the unit's gas inlet. Perform a leak test using a non-corrosive leak detection solution.
- **Electrical Connection:** Wire the unit to the appropriate 12V DC power source, ensuring correct polarity and fusing.
- **Ventilation:** Ensure the exhaust vent is clear and unobstructed, leading to the exterior of the vehicle or structure.

5. OPERATING INSTRUCTIONS

Once installed and all connections are verified, the Suburban IW60 5286A is ready for operation.

5.1 Initial Startup

1. Ensure all water lines are filled and purged of air by opening hot water faucets until a steady stream of water flows.
2. Open the gas supply valve to the water heater.
3. Turn on the electrical power to the unit.
4. Activate the water heater via its control panel or remote thermostat (if equipped).
5. Set the desired water temperature. The unit will ignite automatically when hot water is demanded.

5.2 Normal Operation

The IW60 5286A operates on demand. When a hot water faucet is opened, the unit senses water flow, ignites the burner, and heats the water as it passes through. Closing the faucet will cause the unit to shut down.

- **Temperature Adjustment:** Use the digital thermostat or control panel to set the desired output water temperature.
- **Flow Rate:** Optimal performance is achieved within specified flow rates. Excessive flow may result in cooler water, while insufficient flow may prevent ignition.

5.3 Shutting Down

For temporary shutdown, simply turn off the unit via its control panel. For extended periods of non-use or winterization, follow these steps:

1. Turn off the electrical power to the unit.
2. Close the gas supply valve.
3. Drain all water from the unit and plumbing system to prevent freezing damage.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your water heater. Always disconnect power and shut off gas and water supplies before performing any maintenance.

- **Annual Inspection:** Have a qualified technician inspect the unit annually. This includes checking gas connections, burner assembly, heat exchanger, and electrical components.
- **Ventilation System:** Periodically inspect the exhaust vent for obstructions, damage, or blockages. Ensure the vent screen is clean.
- **Water System:** In areas with hard water, periodic descaling of the heat exchanger may be necessary. Consult a professional for this procedure.
- **Winterization:** For RV applications, thoroughly drain the unit and plumbing system before freezing temperatures to prevent damage. Consider using RV-approved antifreeze if recommended by your RV manufacturer.

7. TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed or if solutions do not resolve the issue, contact a qualified service technician.

Problem	Possible Cause	Solution
No hot water	No gas supply, no power, low water flow, unit lockout	Check gas valve, power switch, water pressure/flow. Reset unit if in lockout.
Water not hot enough	Temperature setting too low, excessive water flow, mineral buildup	Increase temperature setting, reduce water flow, consider descaling.
Unit not igniting	No gas, faulty igniter, low water flow, air in gas line	Check gas supply, purge air from gas line, verify water flow. Contact service for igniter issues.
Error code displayed	Specific system fault	Refer to the unit's specific error code chart (if available) or contact a qualified technician.

8. SPECIFICATIONS

The following specifications are for the Suburban IW60 5286A On-Demand Water Heater:

- **Model:** 5286A (IW60)
- **Manufacturer:** SUBURBAN MFG
- **Heating Capacity:** 60,000 BTU
- **Item Weight:** 34.4 pounds
- **Product Dimensions:** 20 x 12.5 x 12.5 inches
- **Heated Type:** Radiant
- **Special Features:** Dust Filter
- **Date First Available:** May 9, 2018

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to locate authorized service centers, please refer to the documentation provided with your purchase or visit the official Suburban Manufacturing website. Keep your proof of purchase for warranty claims. It is recommended to register your product with the manufacturer to facilitate warranty service and receive important product updates.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question