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Frigidaire 154859201

Frigidaire 154859201 Circulation Pump for Dishwashers

Model: 154859201 | Brand: Frigidaire

INTRODUCTION

This manual provides essential information for the proper installation, function, and care of your Frigidaire 154859201 Circulation Pump. This genuine Frigidaire replacement part is engineered to precise specifications to ensure optimal performance and compatibility with your dishwasher. Please read these instructions thoroughly before proceeding with installation or any maintenance.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power before servicing.

- Always disconnect the appliance from its power source before attempting any installation, repair, or maintenance.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure all electrical connections are secure and properly insulated to prevent electrical hazards.
- Keep children and pets away from the work area.
- If you are unsure about any step, consult a qualified service technician.

COMPATIBILITY VERIFICATION

Before purchasing or installing this part, it is crucial to verify its compatibility with your specific dishwasher model. Refer to your appliance's user manual or the manufacturer's official documentation to confirm that the Frigidaire 154859201 Circulation Pump is the correct replacement part.

Is Your Part Compatible?

Check the appliance user manual to verify that this part is compatible with your appliance before purchasing.

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Figure 1: Compatibility verification reminder. Always check your appliance's user manual.

INSTALLATION INFORMATION

Skill Level Required

Installation of this part is recommended for a **Trained Service Technician**. For optimal results and to ensure safety, it is advised that a professional perform the installation.

Tools Required

The following tools are typically required for the installation of the circulation pump:

- 1/4" Nut Driver
- Wire Cutters
- Wire Strippers
- Heat Gun (or lighter for heat shrink tubes)
- Cross-head Screwdriver (Phillips)
- T15 & T20 Drivers (Torx)
- Small Flat-blade Screwdriver

- Gloves
- Safety Glasses

Installation Information



Skill Level:
Trained Service
Tech



Install Time:
20 minutes



Tools Required:
1/4" nut driver, wire cutters,
wire strippers, heat gun,
Phillips screwdriver, T15 &
T20 drivers, small flat-
blade screwdriver, gloves,
safety glasses

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Figure 2: Overview of installation requirements, including tools and recommended skill level.

Installation Steps (General Guidance)

While specific steps may vary by dishwasher model, the general procedure involves:

- Preparation:** Disconnect power and water supply to the dishwasher. Pull the dishwasher out from its cabinet.
- Access:** Carefully tilt the dishwasher onto its back or side to access the underside where the circulation pump is located.
- Disconnection:** Disconnect the electrical wiring and water hoses from the old pump. Note their positions for reassembly.
- Removal:** Unfasten and remove the old circulation pump. Be prepared for residual water.
- New Pump Installation:** Install the new Frigidaire 154859201 Circulation Pump, ensuring all seals (like O-rings) are correctly seated to prevent leaks.
- Wiring:** Connect the electrical wiring to the new pump. The kit may include new electrical connectors for compatibility. Use a heat gun or lighter to secure heat shrink tubes if provided.
- Reassembly:** Reconnect water hoses. Secure the pump in place.

8. **Testing:** Return the dishwasher to its upright position, reconnect water and power. Run a test cycle and carefully check for any leaks or unusual noises.



Figure 3: The Frigidaire 154859201 Circulation Pump, showing the main pump assembly, two O-rings, and the electrical wiring harness.

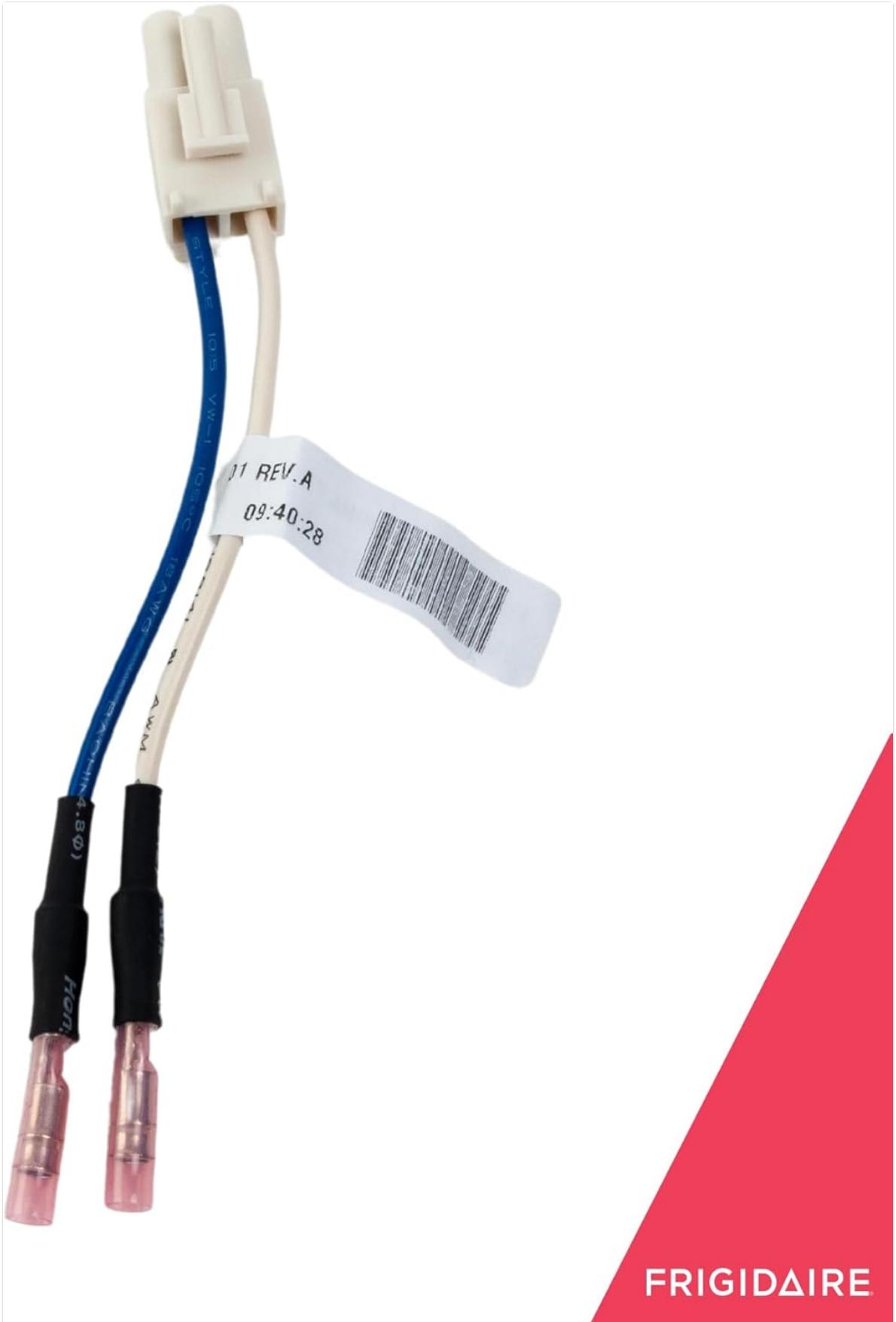


Figure 4: Detailed view of the electrical wiring harness, which may be used to adapt connections.



Figure 5: Side profile of the circulation pump, showing the motor and the white impeller housing.

OPERATING PRINCIPLES

The Frigidaire 154859201 Circulation Pump is responsible for circulating water throughout the dishwasher during wash and rinse cycles. It draws water from the sump, pushes it through the spray arms, and ensures thorough cleaning of dishes. Proper functioning of this pump is critical for effective dishwasher operation.

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**Ensure optimal performance
with the Frigidaire
154859201 Circulation
Pump, a genuine
Frigidaire part for
Dishwashers.**



Appliance pictured is for illustration purposes only.

Figure 6: The circulation pump is essential for optimal dishwasher performance.

MAINTENANCE

As a sealed component, the Frigidaire 154859201 Circulation Pump requires no routine user maintenance. However, to prolong the life of your dishwasher and its components:

- Regularly clean the dishwasher's filter and spray arms to prevent blockages that could strain the pump.
- Avoid overloading the dishwasher, which can impede water circulation.
- Use appropriate dishwasher detergents and rinse aids as recommended by your dishwasher manufacturer.

TROUBLESHOOTING

If your dishwasher is experiencing issues after pump replacement, consider the following:

Symptom	Possible Cause	Solution

Symptom	Possible Cause	Solution
Dishwasher not cleaning effectively	Clogged spray arms, incorrect loading, low water pressure, or pump not receiving power.	Check spray arm nozzles for debris. Ensure dishes are loaded correctly. Verify water supply. Check electrical connections to the pump.
Unusual noises from dishwasher	Debris in the pump impeller, loose mounting, or air in the system.	Disconnect power and inspect the pump impeller for foreign objects. Ensure the pump is securely mounted. Run a cycle to purge air.
Water leaks from pump area	Improperly seated O-rings or seals, loose hose connections.	Disconnect power and inspect all seals and hose connections. Ensure O-rings are correctly positioned and not pinched. Tighten all connections.
Pump not running	No power to the dishwasher, faulty electrical connection, or pump motor failure.	Check dishwasher power supply. Verify all electrical connections to the pump. If connections are secure and power is present, the pump may be faulty (unlikely for a new part).

If troubleshooting steps do not resolve the issue, contact a qualified appliance service technician.

SPECIFICATIONS

- **Model Number:** 154859201
- **Brand:** Frigidaire
- **Part Type:** Circulation Pump
- **Material:** Stainless Steel (internal components/housing), other materials for motor and seals
- **Color:** Grey
- **Product Dimensions:** 9.75" L x 7.63" W x 7.63" H (approximate package dimensions)
- **Item Weight:** 2.6 Pounds
- **Power Source:** Electric (AC-powered)
- **Compatibility:** Refer to your appliance's user manual for specific model compatibility.

WARRANTY INFORMATION

Genuine Frigidaire replacement parts typically come with a manufacturer's warranty. The duration and terms of this warranty may vary. Please retain your proof of purchase. For detailed warranty information, refer to the documentation included with your part or contact Frigidaire customer support directly. This warranty generally covers defects in materials and workmanship under normal use.

CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about service, please contact Frigidaire customer service. You can typically find contact information on the official Frigidaire website or in your original appliance's user manual.

When contacting support, please have the following information ready:

- Your dishwasher's model and serial number.
- The Frigidaire 154859201 part number.
- Date of purchase.
- A clear description of the issue.