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Frigidaire 154568001

Frigidaire Dishwasher Lower Spray Arm (Models 154568001, 154414101) Installation and Maintenance Guide

For optimal dishwasher performance and longevity.

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Frigidaire Dishwasher Lower Spray Arm, part numbers 154568001 and 154414101. The lower spray arm is a critical component of your dishwasher, responsible for distributing water and detergent effectively to clean dishes in the lower rack. Ensuring its correct function is vital for efficient dishwashing.

2. Compatibility

This lower spray arm is designed to be compatible with a wide range of dishwashers from various brands, including Frigidaire, Crosley, Gibson, and Kenmore. Always verify compatibility with your specific dishwasher model before installation.

Known Compatible Models:

- Crosley: CDB400KB0, CDB400KW0
- Frigidaire: CDB500CGB1, CDB500CGB2, CDB500CGB3, CDB500CGC1, CDB500CGC2
- And other models from Frigidaire, Gibson, and Kenmore that utilize part numbers 154568001 or 154414101.

3. Product Overview

The Frigidaire Lower Spray Arm is constructed from durable plastic, designed for efficient water distribution within your dishwasher. It features multiple spray nozzles to ensure comprehensive cleaning of dishes in the lower rack.



Figure 1: The Frigidaire Dishwasher Lower Spray Arm (Part 154568001) as it appears in its original packaging, indicating compatibility with various brands like Electrolux, Frigidaire, Gibson, Tappan, and Philco.



Figure 2: Underside view of the lower spray arm, showing the central mounting point and the distribution channels for water.



Figure 3: Top view of the lower spray arm, highlighting the multiple spray nozzles designed to direct water upwards and outwards for effective cleaning.

4. Installation Instructions

Before beginning any installation or repair, ensure the dishwasher's power supply is disconnected to prevent electrical shock.

1. **Disconnect Power:** Turn off the circuit breaker supplying power to your dishwasher.
2. **Open Dishwasher Door:** Fully open the dishwasher door and pull out the lower dish rack.
3. **Remove Old Spray Arm:** The old lower spray arm is typically held in place by a central hub. Depending on your model, it may simply lift off, or require a slight twist counter-clockwise to unlock it from the water supply tube. Carefully remove the old spray arm.
4. **Inspect Area:** Check the water supply tube and surrounding area for any debris or damage. Clean if necessary.
5. **Install New Spray Arm:** Align the new lower spray arm (Part 154568001 or 154414101) with the central water supply tube. Push it down firmly until it clicks into place, or twist clockwise until it locks securely. Ensure it can

rotate freely without obstruction.

6. **Replace Lower Rack:** Slide the lower dish rack back into position.
7. **Restore Power:** Close the dishwasher door and restore power by turning on the circuit breaker.
8. **Test Operation:** Run a short wash cycle to confirm the spray arm rotates and sprays water correctly.

If you encounter any difficulties, consult your dishwasher's specific service manual or contact a qualified appliance technician.

5. Operation

Once correctly installed, the lower spray arm operates automatically as part of the dishwasher's wash cycle. Its rotation and water distribution are crucial for cleaning dishes on the lower rack. Ensure that dishes and utensils do not obstruct the spray arm's rotation.

6. Maintenance

Regular maintenance of the lower spray arm helps ensure optimal cleaning performance and extends the life of the part.

- **Inspect for Clogs:** Periodically check the spray arm nozzles for food particles or mineral deposits that can cause clogs.
- **Clean Nozzles:** If clogs are present, remove the spray arm (refer to installation step 3) and use a small brush or toothpick to clear the nozzles. Rinse thoroughly under running water.
- **Check for Damage:** Inspect the spray arm for cracks, warping, or other damage. A damaged spray arm may not distribute water effectively and should be replaced.
- **Ensure Free Rotation:** After cleaning or reinstallation, manually spin the spray arm to ensure it rotates freely without any binding or obstruction.

7. Troubleshooting

If your dishwasher is not cleaning effectively, the lower spray arm may be the cause. Here are some common issues and solutions:

- **Poor Cleaning on Lower Rack:**
  - **Cause:** Clogged spray arm nozzles.
  - **Solution:** Remove and clean the spray arm nozzles as described in the Maintenance section.
  - **Cause:** Spray arm not rotating.
  - **Solution:** Ensure no dishes or utensils are blocking the spray arm's path. Check if the spray arm is securely attached to the water supply tube and can spin freely. If it's unbalanced or seized, replacement may be necessary.
- **Spray Arm Detaches During Cycle:**
  - **Cause:** Improper installation or worn mounting hub.
  - **Solution:** Reinstall the spray arm, ensuring it clicks or locks securely into place. If the mounting hub on the spray arm or the dishwasher's water supply tube is worn, the part may need replacement.
- **Unusual Noises During Wash Cycle:**
  - **Cause:** Spray arm hitting dishes or internal components.
  - **Solution:** Rearrange dishes in the lower rack to ensure they do not obstruct the spray arm's rotation.

8. Specifications

Manufacturer	Frigidaire
Part Numbers	154568001, 154414101
Item Model Number	154568001
Material	Plastic
Color	Silver, White
Item Weight	5.6 ounces
Product Dimensions	18.75 x 4 x 3 inches
Is Discontinued By Manufacturer	No
Batteries Included/Required	No

9. Warranty and Support

For information regarding warranty coverage or technical support for your Frigidaire appliance parts, please refer to the documentation provided with your original dishwasher or visit the official Frigidaire website. Keep your purchase receipt as proof of purchase for any warranty claims.
You can find more information and contact details on theFrigidaire Store on Amazon.

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