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Frigidaire 5304517203

Frigidaire Dishwasher Lower Spray Arm Instruction Manual

Model: 5304517203

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the Frigidaire Dishwasher Lower Spray Arm, part number 5304517203. This genuine Original Equipment Manufacturer (OEM) part is designed to rotate and spray water, effectively cleaning dishes inside the dishwasher tub. Proper installation and care are essential for optimal performance and longevity of your dishwasher.

Important Safety Note: Always wear work gloves to protect your hands during any repair or installation process involving dishwasher components.

Compatibility

The Frigidaire Dishwasher Lower Spray Arm (part number 5304517203) is compatible with various Frigidaire dishwasher models. It is a manufacturer substitution and may differ in appearance from prior parts but is functionally equivalent. This part replaces previous part numbers including 154568001, 154414101, 154250801, 154250901, 154281101, 154568002, 154414102, and 5304506526.

To ensure compatibility, please consult the parts list for your specific dishwasher model. Some compatible models include:

- FFBD2405KW1B, FDPC4221AS3A, FFBD2405KW1A
- 58715239901A, FFBD2411NQ4A, FDPC4221AB2A
- GLDB656JB0, GLDB656JB1, FFBD2405KW0A
- FDB635RFS3, FDB635RFS4, FDB635RFS5, FDB635RFS6
- FFBD2404NM0A, FFBD2411NQ3A, FDPC4221AB3A
- FDB635RFS0, FDB635RFS1, FDB635RFS2
- FDBB944CS0, FDBB944CS1, FGBD2435NF0A
- FDB635RFR2, FDB635RFR3, FDB635RFR4, FDB635RFR5, FDB635RFR6
- CDB400KW1B, FFBD2411NQ2A, FDB635RFR0, FDB635RFR1
- GLDB954BS0, GLDB954BS1, FGBD2435NW0A
- CDB400KW0A, FDB1250REC4, FFBD2411NQ1A, FDB1250REC0



Figure 1: Important reminder to verify part compatibility with your specific dishwasher model before purchase or installation.

Setup and Installation

This section outlines the steps for installing the new lower spray arm. Ensure the dishwasher is disconnected from power before beginning any work.

1. **Disconnect Power:** Locate the circuit breaker for your dishwasher and turn off the power. Alternatively, unplug the dishwasher from the electrical outlet.
2. **Open Dishwasher Door:** Fully open the dishwasher door to access the lower rack and spray arm assembly.
3. **Remove Lower Rack:** Carefully pull out the lower dish rack from the dishwasher tub.
4. **Remove Old Spray Arm (if applicable):**
   The lower spray arm is typically held in place by a central hub that may twist off or simply lift up. Refer to your dishwasher's specific model manual for exact removal instructions. If the old spray arm is melted or damaged, ensure all debris is removed from the spray arm mount.



Figure 2: Top view of the Frigidaire 5304517203 Dishwasher Lower Spray Arm, highlighting the central connection point and spray outlets.

5. **Install New Spray Arm:**
   Align the new spray arm (part number 5304517203) with the central mounting post at the bottom of the dishwasher tub. Gently push down and/or twist clockwise until it clicks securely into place. Ensure it is firmly seated and can rotate freely without obstruction.



Figure 3: Angled view of the Frigidaire 5304517203 Dishwasher Lower Spray Arm, illustrating its overall shape and design.

6. **Replace Lower Rack:** Slide the lower dish rack back into the dishwasher.
7. **Restore Power:** Turn the circuit breaker back on or plug the dishwasher back into the electrical outlet.
8. **Test Operation:** Run a short wash cycle to ensure the new spray arm operates correctly and water is spraying

effectively.

Operating Principles

The lower spray arm is a critical component of your dishwasher's cleaning system. During a wash cycle, pressurized water is pumped through the spray arm's nozzles, causing it to rotate and distribute water evenly over the dishes in the lower rack. This action, combined with detergent, removes food particles and grime.
For optimal cleaning performance:

- Ensure dishes are loaded correctly, allowing water to reach all surfaces and not obstructing the spray arm's rotation.
- Avoid placing tall items directly in front of the spray arm's path.
- Use the recommended amount and type of dishwasher detergent.

Maintenance

Regular maintenance of your dishwasher's spray arm helps ensure efficient cleaning and extends the life of the component.

- **Inspect for Clogs:** Periodically check the spray arm nozzles for any food particles, mineral deposits, or debris that may be blocking the water flow. Use a small brush or toothpick to clear any obstructions.
- **Ensure Free Rotation:** Before starting a cycle, manually spin the lower spray arm to ensure it rotates freely without hitting any dishes or obstructions.
- **Clean the Spray Arm:** If the spray arm appears dirty or has residue buildup, remove it as described in the "Setup and Installation" section and rinse it thoroughly under warm water. A mild detergent can be used if necessary.
- **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.



Figure 4: Bottom view of the Frigidaire 5304517203 Dishwasher Lower Spray Arm, illustrating the underside structure and attachment points.

Troubleshooting

If you experience issues with your dishwasher's cleaning performance, the lower spray arm may be a contributing factor. Here are some common problems and solutions:

Problem	Possible Cause	Solution
Dishes in lower rack are not clean.	Clogged spray arm nozzles. Spray arm not rotating. Improper loading.	Clean nozzles as described in Maintenance. Check for obstructions preventing rotation; ensure spray arm is securely seated. Rearrange dishes to allow free spray arm movement and water circulation.
Loud noise during wash cycle.	Spray arm hitting dishes or other objects.	Ensure dishes are loaded correctly and do not obstruct the spray arm. Remove any foreign objects from the tub.

Problem	Possible Cause	Solution
Spray arm detached during cycle.	Spray arm not securely installed.	Reinstall the spray arm, ensuring it clicks firmly into place. Verify it is seated correctly before closing the door.

Specifications

Key specifications for the Frigidaire Dishwasher Lower Spray Arm (Part Number 5304517203):

- **Part Name:** Dishwasher Spray Arm, Lower
- **Manufacturer:** Frigidaire
- **Part Number:** 5304517203
- **Primary Function:** Rotates and sprays water to clean dishes inside the dishwasher tub.
- **Material:** High-Quality, Durable Plastic (may be blue in color)
- **Item Weight:** Approximately 5.7 ounces
- **Package Dimensions:** Approximately 19 x 3.1 x 2.5 inches
- **Replaces Part Numbers:** 154568001, 154414101, 154250801, 154250901, 154281101, 154568002, 154414102, 5304506526

Figure 5: The Frigidaire 5304517203 Dishwasher Lower Spray Arm measured against a tape measure, indicating its approximate length.

Warranty and Support

As a Genuine Original Equipment Manufacturer (OEM) part, this Frigidaire spray arm is designed to meet the highest quality standards. For specific warranty information regarding this replacement part, please refer to your original dishwasher's warranty documentation or contact Frigidaire customer support directly.
For further assistance or to purchase additional genuine Frigidaire parts, please visit the official Frigidaire website or an authorized service provider.
Frigidaire Support: Contact Frigidaire

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