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> [LG 5220JB2010A Refrigerator Water Inlet Valve Instruction Manual](#)

## LG 5220JB2010A

# LG Refrigerator Water Inlet Valve

Model: 5220JB2010A

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the LG 5220JB2010A Refrigerator Water Inlet Valve. This component is designed to control the flow of water to your refrigerator's ice maker and water dispenser. Please read this manual thoroughly before proceeding with any installation or maintenance to ensure safe and correct usage.

## SAFETY INFORMATION

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- **Electrical Hazard:** Always disconnect power to the refrigerator before beginning any installation or repair work. Failure to do so can result in serious injury or death.
- **Water Hazard:** Turn off the main water supply to the refrigerator before disconnecting any water lines. Be prepared for residual water in the lines.
- **Sharp Edges:** Exercise caution when working inside the refrigerator, as some components may have sharp edges.
- **Professional Assistance:** If you are unsure about any step, consult a qualified appliance technician.
- **Original Parts:** Use only genuine LG replacement parts to ensure compatibility and proper function.

## PRODUCT OVERVIEW

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The LG 5220JB2010A is a genuine replacement water inlet valve for various LG refrigerator models. It is responsible for regulating the water supply to the ice maker and water dispenser. A malfunctioning valve can lead to issues such as leaks, no water supply, or continuous water flow.

**Compatible LG Refrigerator Models:** LFC25760SW, LFC25760TT, LRFC25750SB, LRFC25750SW, LFC25770TT, LRFC25750TT, LFC25760SB, LFC25770SB, GRB258USNZ, LFC25760ST, LFC25770ST, LFC25770SW, GRB218JSAA, GRB218JSCA, GRB218USAH, LRFC25750ST, LFC25776SB, LFC25776ST, LFC25776SW, LRFC25750WW, GRB258JBAA, GRB218JTAA, GRB258JVAA, GRB258JQCA, GRB258JVCA, GRB258UQAH, GRB258UVAH, GRB218USNZ, LFC21760ST, LFC21770ST, LRFC21755SB, LRFC21755ST, LRFC21755TT, GRB258UQNZ, GRB258UVNZ, LFC21776ST, GRB218JVAA, GRB258JSAA, GRB25AUSA, GRB258JSCA, GRB258USAH, LMC25780AL, GRB258JTAA, GRB258JTCA, GRB258UTAH. Refer to your refrigerator's manual to confirm compatibility.

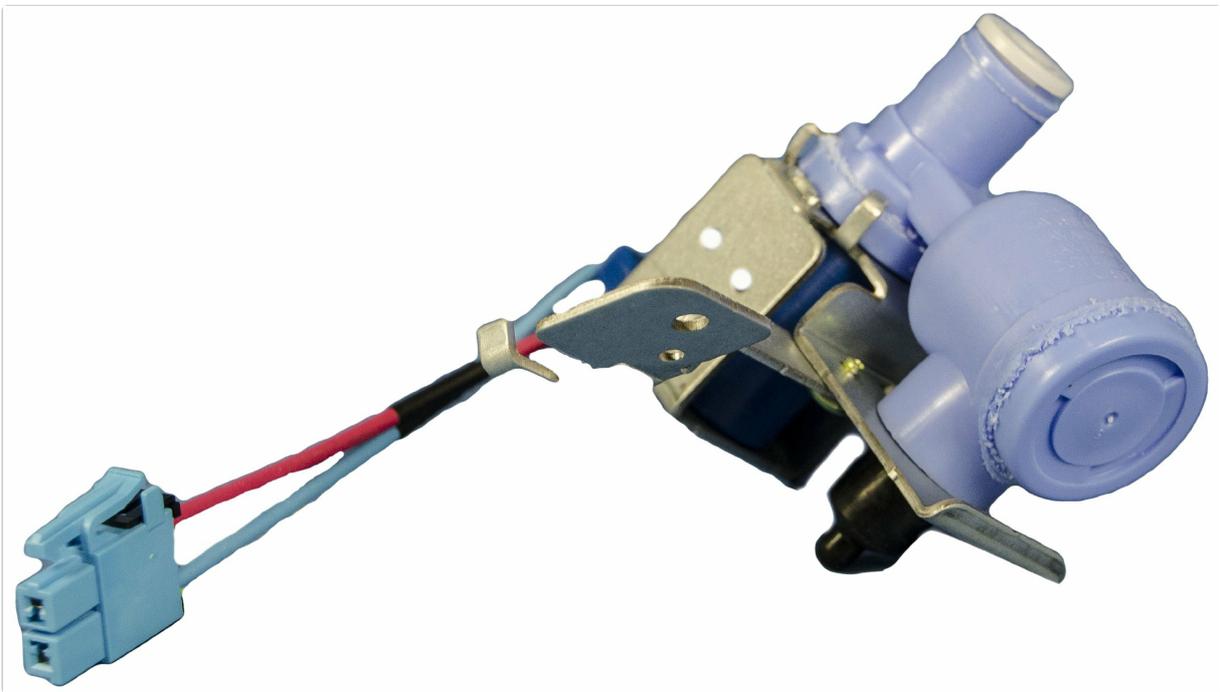


Image: LG 5220JB2010A Refrigerator Water Inlet Valve. This image shows the complete water inlet valve assembly with its various connection points for water lines and electrical wiring.

## INSTALLATION INSTRUCTIONS

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### Tools Required:

- 1/2-inch Wrench
- 3/8-inch Wrench
- #2 Phillips Head Screwdriver
- Vacuum Cleaner (optional, for cleaning dust)
- Towel or Absorbent Cloth

### Procedure:

1. **Prepare the Refrigerator:** Carefully pull the refrigerator away from the wall to access the rear panel.
2. **Disconnect Power:** Unplug the refrigerator from the electrical outlet. This is a critical safety step.
3. **Turn Off Water Supply:** Locate and turn off the main water supply valve to the refrigerator. This is typically found under the sink or behind the refrigerator.
4. **Manage Water Spillage:** Place a towel or absorbent cloth on the floor directly under the water inlet valve to catch any residual water when disconnecting lines.
5. **Disconnect Inlet Hose:** Using a 1/2-inch wrench, carefully unscrew the water supply hose from the existing water inlet valve.
6. **Remove Rear Access Panel:** Locate and remove the six Phillips head screws securing the lower back panel of the refrigerator. Set the panel and screws aside.
7. **Remove Old Valve:**
  - Unscrew the water valve holder from the refrigerator frame.
  - Identify the black C-clip on the bottom hose outlet of the valve. Slide this clip out and retain it for reuse.
  - Using a 3/8-inch wrench, push the white security ring up on the outlet hose connection and carefully remove the outlet hose from the valve.

- Reach inside and unplug the electrical connector from the water valve. Press the tab on the connector to release it.
8. **Clean Area (Optional):** While the panel is off, use a vacuum cleaner to remove any accumulated dust from the back of the refrigerator for improved airflow.
  9. **Install New Valve:** Reverse the removal steps to install the new LG 5220JB2010A water inlet valve.
    - Connect the electrical plug to the new valve until it clicks securely.
    - Attach the outlet hose to the new valve, ensuring the white security ring is pushed down to secure it, and reinsert the black C-clip.
    - Secure the new water valve holder to the refrigerator frame with its screws.
    - Reconnect the main water supply hose to the new valve using the 1/2-inch wrench. Ensure a tight, leak-free connection.
  10. **Restore Rear Panel:** Reattach the lower back panel of the refrigerator using the six Phillips head screws.
  11. **Restore Water and Power:** Turn on the main water supply to the refrigerator. Check for any leaks around the valve connections. Once confirmed leak-free, plug the refrigerator back into the electrical outlet.
  12. **Test Operation:** Allow time for the ice maker to cycle and the water dispenser to prime. Test both functions to ensure proper operation.

## OPERATION

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The water inlet valve operates automatically, opening to allow water into the ice maker for ice production and into the dispenser when the water lever is pressed. It closes to prevent continuous water flow once the required amount of water has been dispensed or the ice maker fill cycle is complete.

## MAINTENANCE

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- **Regular Inspection:** Periodically check the area around the water inlet valve for any signs of leaks or corrosion.
- **Water Filter:** If your refrigerator uses an inline water filter, ensure it is replaced according to the manufacturer's recommendations. A clogged or faulty filter can affect water pressure and potentially strain the valve.
- **Cleaning:** Keep the rear of the refrigerator clean and free of dust to ensure proper ventilation and prevent debris from affecting components.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
No water from dispenser or ice maker	Water supply turned off Kinked water line Clogged water filter Faulty water inlet valve	Ensure water supply is on. Check water lines for kinks. Replace water filter if necessary. Inspect valve for electrical connection or internal failure.

Problem	Possible Cause	Solution
Water leaking from valve area	Loose connections Cracked valve housing Internal valve seal failure	Tighten all water line connections. Inspect valve for visible damage. Replace valve if internal failure is suspected.
Continuous water flow to ice maker/dispenser	Faulty water inlet valve (stuck open)	Replace the water inlet valve.
Unusual noise during operation	Water pressure issues Valve vibrating	Check household water pressure. Ensure valve is securely mounted.

## SPECIFICATIONS

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- **Part Number:** 5220JB2010A
- **Brand:** LG
- **Material:** Brass, Plastic, Stainless Steel
- **Item Weight:** 5.3 ounces
- **Product Dimensions:** 5 x 7 x 3 inches
- **Inlet Connection Type:** National Pipe Tapered
- **Outlet Connection Type:** NPT
- **Number of Ports:** 1
- **UPC:** 095225457951

## WARRANTY AND SUPPORT

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For warranty information or technical support, please contact LG Customer Service directly. Keep your purchase receipt and the product's model and serial numbers handy when contacting support.

**LG Customer Service:** [Visit LG Support Website](#)