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Frigidaire 5304521777

Frigidaire 5304521777 Refrigerator Wiring Harness Instruction Manual

MODEL: 5304521777

1. Product Overview

This document provides essential information for the Frigidaire 5304521777 Genuine OEM Wiring Harness. This high-quality part is designed to connect the temperature sensor to the electronic control board within your refrigerator, playing a crucial role in regulating the appliance's internal temperature. It is a direct replacement for part number 242303101.

As a Genuine OEM (Original Equipment Manufacturer) part, it is engineered to exact specifications to ensure optimal performance and compatibility with your Frigidaire appliance.

Safety Information

WARNING: Always disconnect the appliance from all utilities (power, water, gas) before attempting any service or repair. Failure to do so may result in serious injury or death. It is recommended to use appropriate safety equipment, such as gloves and eye protection, during installation. Some repairs may require a trained service professional to complete. Always refer to your appliance's owner's manual for specific instructions and to confirm part numbers.

2. Product Specifications

Attribute	Value
Brand Name	Frigidaire
Model Info	5304521777
Item Weight	4.9 ounces
Product Dimensions	13 x 7 x 2 inches
Part Number	5304521777
Replaces Part Number	242303101

Compatible Refrigerator Models

- DFHS2313MFA, DFHS2313MFB, DFHS2313MFCA, DFHS2313MFDA, DFHS2313MFEA, DFHS2313MFFA, DFHS2313MFHA, DFHS2313MFJA, DFHS2313MFKA
- FFEX2315QE0, FFEX2315QE1, FFEX2315QM0, FFEX2315QM1, FFEX2315QP0, FFEX2315QP1, FFEX2315QS0, FFEX2315QS1
- FFHS2311LBB, FFHS2311LBC, FFHS2311LBD, FFHS2311LBE, FFHS2311LBFA, FFHS2311LBJA, FFHS2311LBKA, FFHS2311LBLA, FFHS2311LBMA, FFHS2311LBNA, FFHS2311LBPA, FFHS2311LBQA, FFHS2311LBRA, FFHS2311LBSA
- FFHS2311LWB, FFHS2311LWC, FFHS2311LWD, FFHS2311LWEA, FFHS2311LWFA, FFHS2311LWGA, FFHS2311LWJA, FFHS2311LWKA, FFHS2311LWMA, FFHS2311LWNA, FFHS2311LWPA, FFHS2311LWQA, FFHS2311LWRA
- FFHS2311PF2, FFHS2311PF5, FFHS2311PF6A, FFHS2311PF7A, FFHS2311PF8A, FFHS2311PF9A, FFHS2311PFAA, FFHS2311PFBA, FFHS2311PFCA, FFHS2311PFDA, FFHS2311PFEA, FFHS2311PFFA, FFHS2311PFGA, FFHS2311PFHA
- FFHS2313LEB, FFHS2313LEC, FFHS2313LMC, FFHS2313LMD, FFHS2313LME, FFHS2313LPC, FFHS2313LPD, FFHS2313LSC, FFHS2313LSD, FFHS2313LSE
- FFHS2322MBB, FFHS2322MBD, FFHS2322MBE, FFHS2322MBFA, FFHS2322MBGA, FFHS2322MBHA, FFHS2322MBJA, FFHS2322MBKA, FFHS2322MBLA, FFHS2322MBMA
- FFHS2322MS9, FFHS2322MSB, FFHS2322MSC, FFHS2322MSEA, FFHS2322MSFA, FFHS2322MSGA, FFHS2322MSHA, FFHS2322MSJA, FFHS2322MSKA, FFHS2322MSLA
- FFHS2322MW9, FFHS2322MWA, FFHS2322MWB, FFHS2322MWC, FFHS2322MWEA, FFHS2322MWFA, FFHS2322MWGA, FFHS2322MWHA, FFHS2322MWJA, FFHS2322MWKA, FFHS2322MWLA
- FFHS2611LBB, FFHS2611LBC, FFHS2611LBD, FFHS2611LBE, FFHS2611LBF, FFHS2611LBG, FFHS2611LBH, FFHS2611LBJ, FFHS2611LBK, FFHS2611LBLA, FFHS2611LBMA, FFHS2611LBNA, FFHS2611LBPA, FFHS2611LBRA, FFHS2611LWB, FFHS2611LWC

3. Installation and Setup

The Frigidaire 5304521777 Wiring Harness connects critical components within your refrigerator. Due to the electrical nature of this part and the complexity of refrigerator systems, installation should ideally be performed by a qualified service professional. If you choose to perform the installation yourself, ensure you have the necessary tools and technical expertise.

General Installation Steps (Consult Appliance Manual for Details):

1. **Disconnect Power:** Always unplug the refrigerator from the power outlet before beginning any work.
2. **Access Components:** Locate and access the temperature sensor and electronic control board within your refrigerator. This may involve removing panels or shelves.
3. **Remove Old Harness:** Carefully disconnect the existing wiring harness from both the temperature sensor and the electronic control board. Note the routing of the old harness for proper installation of the new one.
4. **Install New Harness:** Connect the new Frigidaire 5304521777 Wiring Harness to the temperature sensor and the electronic control board. Ensure all connections are secure and properly seated.
5. **Secure Wiring:** Route and secure the new wiring harness to prevent pinching or damage.
6. **Reassemble:** Reinstall any panels or components that were removed.
7. **Restore Power:** Plug the refrigerator back into the power outlet.
8. **Test Functionality:** Monitor the refrigerator's temperature to ensure proper operation.

Visual Aid: Product Images

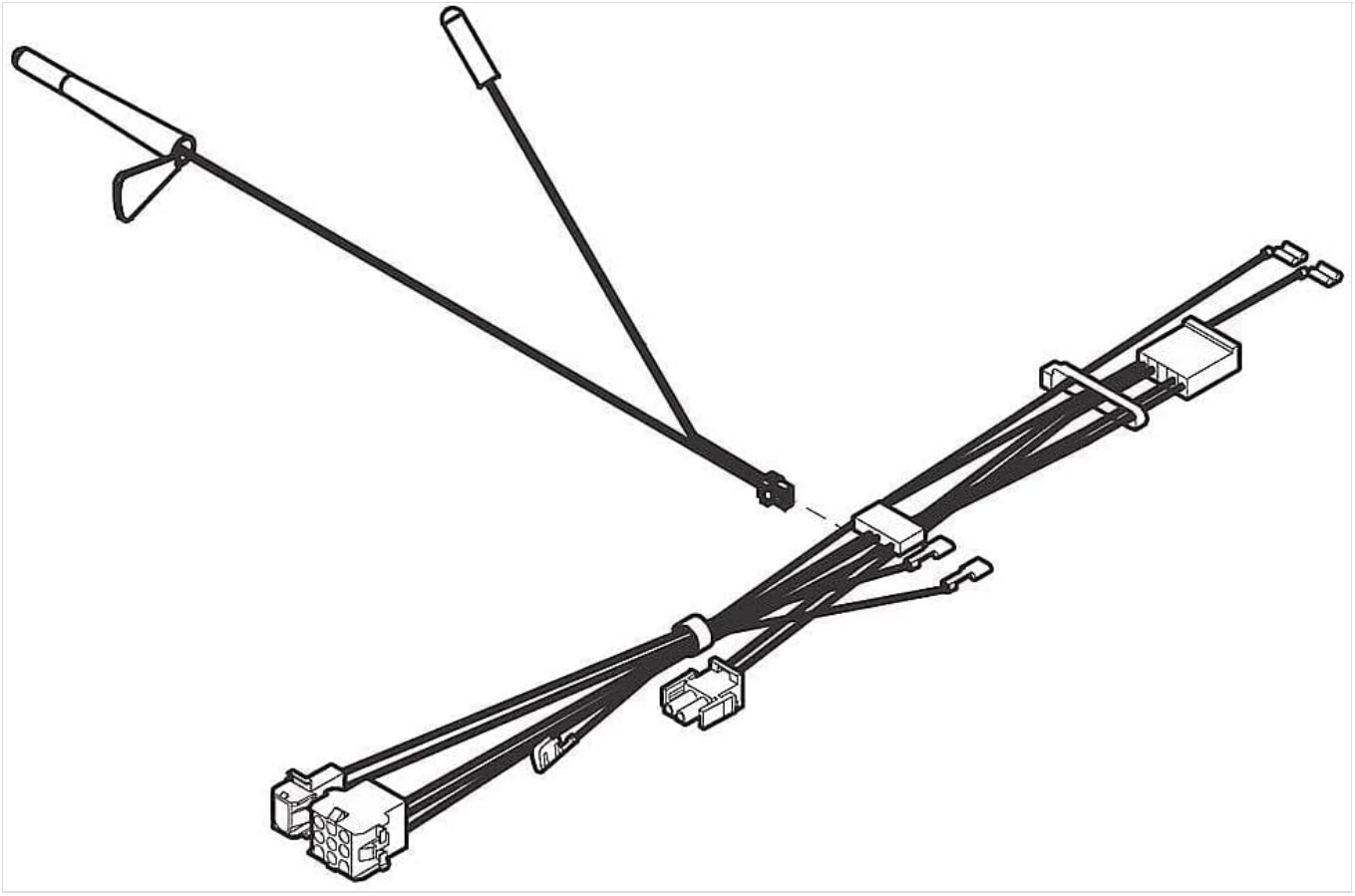


Figure 1: The Frigidaire 5304521777 Wiring Harness, showing its overall structure and connectors. This is the main component for temperature sensor to control board communication.

Figure 2: A closer view of the Frigidaire 5304521777 Wiring Harness, highlighting the various connectors that attach to the temperature sensor and electronic control board.

Related Component Videos

▶ **Watch video online**
OEM 242278801 Refrigerator Thermistor

Video 1: This video displays an OEM 242278801 Refrigerator Thermistor, a component that the 5304521777 Wiring Harness connects to. Understanding the thermistor's appearance can assist in locating its connection point.

▶ **Watch video online**
A01078804 Refrigerator Electronic Control Board with Cover

Video 2: This video showcases an A01078804 Refrigerator Electronic Control Board with Cover. The 5304521777 Wiring Harness connects to this control board, which manages the refrigerator's functions based on sensor input.

▶ **Watch video online**
Refrigerator Electronic Control Board

Video 3: Another view of a Refrigerator Electronic Control Board. This video provides additional visual context for the component that the wiring harness interfaces with.

4. Operating Principles

The Frigidaire 5304521777 Wiring Harness functions as a critical communication link. It transmits signals from the refrigerator's temperature sensor to the electronic control board. The control board then processes this information to

adjust cooling cycles and maintain the desired internal temperature. Proper operation of this harness is essential for accurate temperature regulation and efficient performance of your refrigerator.

5. Maintenance

As a passive electrical component, the wiring harness itself requires minimal maintenance. However, regular inspection of the harness and its connections during other appliance maintenance can help prevent future issues.

Maintenance Tips:

- **Visual Inspection:** Periodically check the harness for any signs of wear, fraying, cuts, or corrosion on the connectors.
- **Secure Connections:** Ensure all connections to the temperature sensor and control board are tight and free from looseness.
- **Cleanliness:** Keep the area around the harness and its connections clean and free from dust or debris that could interfere with electrical contact.

6. Troubleshooting

If your refrigerator is experiencing temperature regulation issues, such as being too warm or too cold, or if the electronic control board is displaying error codes related to temperature sensors, a faulty wiring harness could be a contributing factor. Since the harness is a communication link, issues often manifest as problems with the components it connects.

Common Troubleshooting Steps:

- **Verify Connections:** Ensure the harness is securely connected to both the temperature sensor and the electronic control board.
- **Inspect for Damage:** Look for any visible damage to the wiring or connectors.
- **Test Components:** If possible, test the temperature sensor and control board independently to rule out issues with those components. This often requires specialized tools and knowledge.
- **Professional Diagnosis:** If the issue persists after basic checks, it is highly recommended to consult a qualified appliance technician for diagnosis and repair.

7. Warranty and Support

As a Genuine OEM part, the Frigidaire 5304521777 Wiring Harness is manufactured to high standards, ensuring quality and reliability. For specific warranty information, please refer to the documentation included with your original appliance or contact Frigidaire customer support directly. Using genuine OEM parts helps maintain the validity of your appliance's warranty and ensures continued optimal performance.

For further assistance or to explore other genuine Frigidaire parts, please visit the official Frigidaire Store or contact their customer service department.

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