INGQI 290D3070P002

INGQI 290D3070P002 Laundry Washer Lid Lock Switch Replacement Assembly Manual

Model: 290D3070P002

1. Product Overview

This document provides instructions for the INGQI 290D3070P002 Laundry Washer Lid Lock Switch Replacement Assembly. This component is designed to replace the original lid lock switch in compatible GE and Hotpoint washing machines, ensuring the washer lid remains securely closed during operation. The lid lock switch is a critical safety feature that prevents the washer from operating with an open lid and allows the wash cycle to proceed correctly.



Image 1: Overview of the INGQI 290D3070P002 Laundry Washer Lid Lock Switch Replacement Assembly.

2. Product Features

- **Model Number:** 290D3070P002.
- **Voltage:** Operates at 120V, 15mA, 50/60Hz.
- **Material:** Constructed from high-quality, sturdy, and wear-resistant materials for durability and long service life.
- **Functionality:** Ensures stable and smooth operation of the washer door lock, preventing sticking.
- **Design:** Simple design for ease of installation.
- **Compatibility:** Designed for specific GE and Hotpoint washer models.

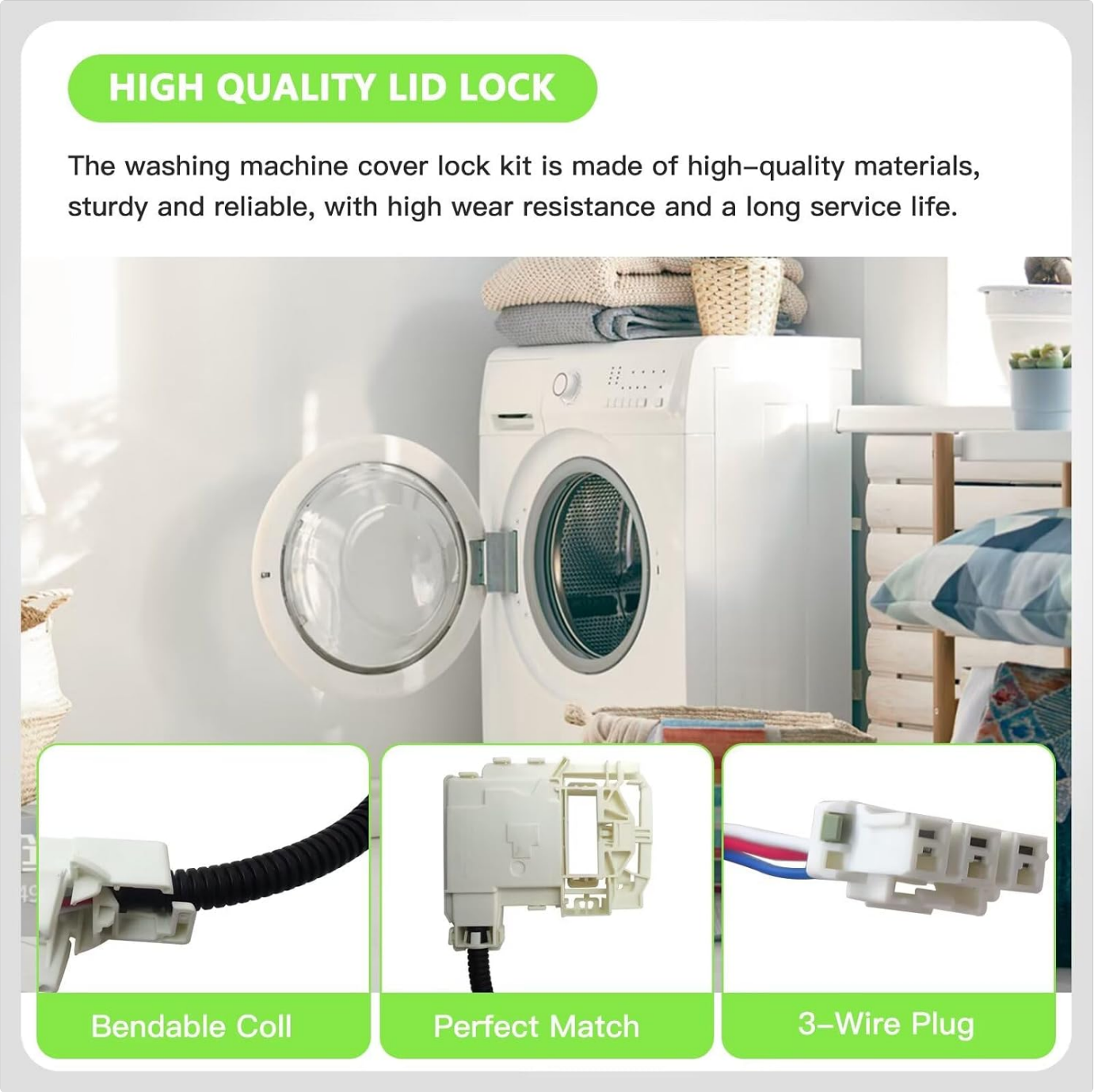


Image 2: Detailed view of the lid lock switch components, showing the bendable coil, main lock body, and 3-wire plug.

3. Compatibility and Replacement Part Numbers

This lid lock switch assembly is compatible with various GE and Hotpoint washing machine models. It replaces several older part numbers. Please verify your washer's model number and the required replacement part number before installation.

Compatible Washer Models:

- GTW220ACK1WW, GTW220ACK2WW, GTW220ACK3WW, GTW220ACK4WW, GTW220ACK5WW
- GTW330ASK1WW, GTW330ASK2WW, GTW330ASK3WW, GTW330ASK4WW
- GTW460AMJ0WW, GTW460AMJ1WW, GTW460AMJ2WW, GTW460AMJ3WW, GTW460AMJ4WW
- GTW460ASJ0WW, GTW460ASJ1WW, GTW460ASJ2WW, GTW460ASJ3WW, GTW460ASJ4WW, GTW460ASJ5WW, GTW460ASJ6WW

Replaces Part Numbers:

- Old G-E 290D3070P002
- WH08X31577, WH01X24114, WH01X26114, WH01X27954
- 44961452, 4963152, AP7015047, AP7033485
- EAP16619254, PD00070146, PD00067861, PS16619254, EG-380843 M
- 290D1580P001, 290D1580P002, 290D1580P003, 290D1580P004



Image 3: The INGQI 290D3070P002 lid lock switch assembly with additional components, illustrating a complete replacement kit.

4. Setup and Installation

Safety First: Before attempting any repair or installation on your washing machine, always disconnect the appliance from its power source by unplugging it from the wall outlet. Failure to do so can result in electric shock or injury.

The INGQI 290D3070P002 lid lock switch assembly is designed for straightforward installation. While specific steps may vary slightly depending on your washer model, the general procedure involves accessing the existing lid lock mechanism, disconnecting the old part, and connecting the new one. It is recommended to consult your washing machine's specific

service manual or a qualified technician if you are unsure about any steps.

General Installation Steps (Consult your washer's service manual for detailed instructions):

1. **Disconnect Power:** Unplug the washing machine from the electrical outlet.
2. **Access Lid Lock:** Depending on your washer model, you may need to open the control panel, remove the top panel, or access the lid lock from the front or rear of the machine.
3. **Disconnect Wiring:** Carefully disconnect the electrical connector(s) from the old lid lock switch. Note the orientation of the wires if not clearly marked.
4. **Remove Old Part:** Unfasten any screws, clips, or tabs holding the old lid lock switch in place and remove it.
5. **Install New Part:** Position the new INGQI 290D3070P002 lid lock switch assembly in the same location as the old one. Secure it with the appropriate fasteners.
6. **Connect Wiring:** Reconnect the electrical connector(s) to the new lid lock switch. Ensure connections are secure.
7. **Reassemble Washer:** Reattach any panels or components that were removed to access the lid lock.
8. **Test Functionality:** Plug the washing machine back into the electrical outlet. Close the lid and initiate a short wash cycle to confirm the lid locks properly and the washer operates as expected.

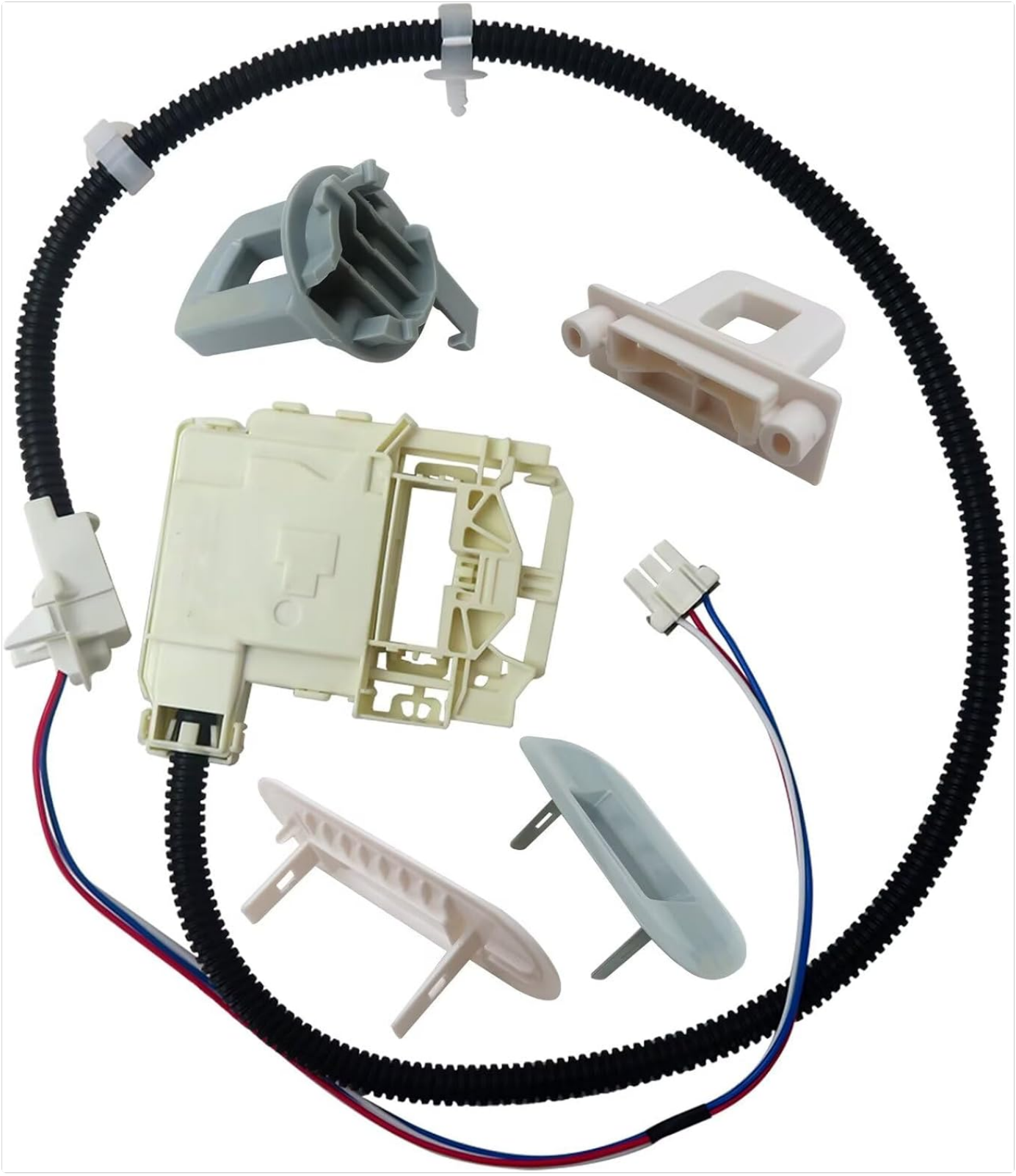


Image 4: All components of the INGQI 290D3070P002 washer lid lock switch replacement kit laid out for installation.

5. Operating Principle

The lid lock switch is a safety device that ensures the washing machine's lid is securely closed and locked before and during certain phases of the wash cycle, particularly during agitation and spin cycles. When the lid is closed, the switch signals the washer's control board that it is safe to proceed. If the lid is not properly closed or the lock mechanism fails, the washer will typically not start, drain, or spin, preventing potential injury or water spillage.

This replacement assembly restores the proper functioning of this critical safety and operational component, allowing your washer to complete its cycles without interruption due to a faulty lid lock.

6. Maintenance

The INGQI 290D3070P002 lid lock switch assembly is designed for long-term reliability and generally requires no specific maintenance. However, to ensure its continued proper function and extend the life of your washing machine, consider the following general tips:

- **Avoid Forceful Closing:** Do not slam the washer lid shut, as this can put undue stress on the lid lock mechanism over time.
- **Keep Area Clean:** Periodically clean the area around the lid and the lid lock strike plate to prevent lint, detergent residue, or foreign objects from interfering with the lock's operation.
- **Inspect for Damage:** If you notice any unusual noises or difficulty in the lid locking or unlocking, inspect the lid lock and its surrounding components for visible damage or wear.

7. Troubleshooting Common Issues

A malfunctioning lid lock switch can cause several operational problems with your washing machine. This replacement part is designed to address the following common issues:

- **Broken Lid Lock:** The physical mechanism of the lid lock is damaged or broken, preventing it from engaging.
- **Washer Wouldn't Drain or Spin:** The washer's control system detects an issue with the lid lock, preventing it from proceeding to drain or spin cycles for safety reasons.
- **Can't Be Closed/Opened:** The lid lock mechanism is stuck, either preventing the lid from closing and locking or from opening after a cycle.
- **Washer Wouldn't Start Wash Cycle:** The washer fails to initiate any cycle because the lid lock signal is not received or is incorrect.
- **Washer Lid Keeps Clicking:** The lid lock attempts to engage but fails repeatedly, resulting in a clicking sound.
- **Washer Filled Then Emptied Immediately:** The washer starts to fill but then drains the water without proceeding to the wash cycle, often due to a lid lock error.

If you experience any of these symptoms and have confirmed that the lid lock switch is the cause, replacing it with the INGQI 290D3070P002 assembly should resolve the problem.



Image 5: Visual representation of common issues addressed by this replacement part.

8. Specifications

Part Number	290D3070P002
Voltage	120V
Current	15mA
Frequency	50/60Hz
Manufacturer	INGQI

9. Warranty and Support

This item is an aftermarket replacement part. While not manufactured by the original brand, it is designed to be 100% functional. All parts are tested and quality-controlled prior to shipment.

For any questions, concerns, or issues regarding the INGQI 290D3070P002 Laundry Washer Lid Lock Switch Replacement Assembly, please contact the seller directly. They are committed to resolving any problems you may encounter as quickly as possible.

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Details

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