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Model: F300128P | Brand: ALLIANCE LAUNDRY SYSTEMS

1. INTRODUCTION

This manual provides essential information and instructions for the ALLIANCE LAUNDRY SYSTEMS Speed Queen F300128P Solenoid Door Relay. It is designed to assist qualified technicians and service personnel with the proper installation, operation, maintenance, and troubleshooting of this component. Please read this manual thoroughly before attempting any procedures.

2. PRODUCT OVERVIEW

The F300128P is a Door Release Detrol Solenoid designed for 110/220 Volt applications. This component is critical for the proper functioning of the door release mechanism in compatible laundry equipment. It is a genuine OEM part compatible with Speed Queen, Huebsch, and Unimac machines manufactured by Alliance Laundry Systems.



This image displays the individual components of the F300128P solenoid: the main solenoid coil housing (blue interior, grey exterior), the metallic plunger with a threaded end, and a coiled spring. These parts work together to control the door release mechanism.

3. SAFETY INFORMATION

WARNING: Risk of Electric Shock and Injury.

- Always disconnect power to the appliance before installing, servicing, or removing this component. Failure to do so can result in serious injury or death.
- Installation and service should only be performed by qualified and authorized personnel.
- Ensure all electrical connections are secure and comply with local electrical codes.
- This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning). Handle with care and wash hands after handling.
- Do not operate the appliance if the solenoid or associated wiring appears damaged.

4. INSTALLATION

The F300128P solenoid is an electrical component that requires careful installation. It is recommended that installation be performed by a certified technician.

4.1 Pre-Installation Steps

1. **Disconnect Power:** Ensure the main power supply to the laundry appliance is completely disconnected and locked out.
2. **Access Solenoid:** Locate and access the existing door release solenoid within the appliance. Refer to the specific appliance's service manual for exact location and access procedures.
3. **Inspect Area:** Check the surrounding area for any signs of damage, corrosion, or wear that might affect the

new solenoid's operation.

4.2 Replacement Procedure

1. **Remove Old Solenoid:** Carefully disconnect the electrical wiring from the old solenoid. Note the orientation and connection points. Remove any mounting hardware securing the old solenoid.
2. **Install New Solenoid:** Position the new F300128P solenoid in the correct orientation. Secure it using the appropriate mounting hardware.
3. **Connect Wiring:** Reconnect the electrical wiring to the new solenoid, ensuring all connections are tight and correct. Verify that the solenoid is rated for the appliance's voltage (110V or 220V).
4. **Test Functionality:** Before fully reassembling the appliance, temporarily restore power and test the door release mechanism to ensure the solenoid engages and disengages correctly.
5. **Reassemble:** Once functionality is confirmed, disconnect power again, and reassemble the appliance panels and covers.
6. **Final Power-Up:** Restore main power to the appliance.

5. OPERATION

The F300128P solenoid operates automatically as part of the appliance's control system. When the control board sends an electrical signal, the solenoid's coil energizes, creating a magnetic field that pulls the plunger. This action mechanically actuates the door release or locking mechanism, allowing the door to be opened or secured as required by the appliance's cycle.

- **Automatic Engagement:** The solenoid engages or disengages based on the appliance's operational phase (e.g., door lock during wash cycle, door unlock at cycle completion).
- **Voltage Compatibility:** Designed for 110/220 Volt systems, ensuring broad compatibility with various Speed Queen, Huebsch, and Unimac models.

6. MAINTENANCE

The F300128P solenoid is a robust component designed for durability. Regular maintenance is generally not required for the solenoid itself, but periodic inspection of its condition and surrounding components is recommended.

- **Visual Inspection:** During routine appliance service, visually inspect the solenoid for any signs of physical damage, corrosion, or loose connections.
- **Wiring Check:** Ensure all electrical wires connected to the solenoid are intact, securely fastened, and free from fraying or insulation damage.
- **Cleanliness:** Keep the area around the solenoid free from lint, dust, and debris that could impede its mechanical movement or cause overheating.
- **Functionality Test:** If accessible, periodically test the door release mechanism to ensure smooth and consistent operation.

If any issues are observed, refer to the Troubleshooting section or contact a qualified service technician.

7. TROUBLESHOOTING

If the door release mechanism is not functioning correctly, the solenoid may be a contributing factor. Always ensure power is disconnected before inspecting components.

Symptom	Possible Cause	Action
Door does not unlock or release.	<ul style="list-style-type: none">No power to solenoid.Faulty wiring connection.Solenoid coil failure.Mechanical obstruction.	<ul style="list-style-type: none">Check power supply to the appliance.Inspect wiring for breaks or loose connections.Test solenoid coil for continuity (requires multimeter).Check for foreign objects obstructing the door lock mechanism.
Door does not lock or secure.	<ul style="list-style-type: none">Solenoid plunger stuck.Solenoid coil failure.Control board issue.	<ul style="list-style-type: none">Inspect solenoid plunger for free movement.Test solenoid coil for continuity.Consult appliance service manual for control board diagnostics.
Burning smell or visible damage.	Overheating, short circuit, or component failure.	Immediately disconnect power. Replace the solenoid and inspect associated wiring for damage.

If troubleshooting steps do not resolve the issue, contact a qualified service technician.

8. SPECIFICATIONS

- Model:** F300128P
- Brand:** ALLIANCE LAUNDRY SYSTEMS
- Operation Mode:** Automatic
- Coil Voltage:** 110/220 Volts (Dual Voltage)
- Maximum Switching Voltage:** 220 Volts
- Specification Met:** OEM
- Package Dimensions:** 4.2 x 2.95 x 1.7 inches
- Weight:** Approximately 6.88 ounces
- National Stock Number (NSN):** 5945-01-346-2341
- ASIN:** B0034J3WFO
- Manufacturer:** Alliance Laundry Systems
- Date First Available:** January 15, 2010
- Replaces Part Numbers:** F300112, F300112P, F300128

9. WARRANTY INFORMATION

Specific warranty details for the ALLIANCE LAUNDRY SYSTEMS Speed Queen F300128P Solenoid Door Relay are typically provided at the point of purchase or by the manufacturer. Please retain your proof of purchase. For warranty claims or inquiries, contact the authorized seller or Alliance Laundry Systems directly.

10. SUPPORT

For technical assistance, service, or parts inquiries regarding the F300128P Solenoid Door Relay, please contact

Alliance Laundry Systems or an authorized service center. When contacting support, please have the model number (F300128P) and the serial number of your appliance available.

Manufacturer: Alliance Laundry Systems

Website: Refer to official Alliance Laundry Systems website for contact information.

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - F300128P

	<p>Alliance Laundry Systems Dryer Installation Instructions</p> <p>Comprehensive installation guide for Alliance Laundry Systems dryers, covering electrical and gas connections, venting, and safety precautions. This manual ensures proper setup for optimal performance and safety.</p>
	<p>Alliance Laundry Systems Topload Washer User's Guide - Operation, Maintenance, and Troubleshooting</p> <p>Comprehensive user's guide for Alliance Laundry Systems topload washers, covering operation, safety instructions, cycle details, maintenance, troubleshooting, and contact information. Includes guidance on wash temperatures, load preparation, and care tips.</p>
	<p>Alliance Laundry Systems Dryer Installation Instructions</p> <p>Comprehensive installation guide for Alliance Laundry Systems (Speed Queen) dryers, covering electrical and gas connections, venting, leveling, safety precautions, and specific requirements for various installations.</p>
	<p>Alliance Laundry Systems Dryer Installation Instructions</p> <p>Comprehensive installation guide for Alliance Laundry Systems dryers, covering electrical, gas, and venting requirements, safety precautions, and step-by-step procedures.</p>
	<p>Alliance Laundry Systems Commercial Frontload Washer Troubleshooting Guide</p> <p>Comprehensive troubleshooting manual for Alliance Laundry Systems Commercial Frontload Washers, covering error codes, operational issues, and maintenance procedures. Includes model identification and safety information.</p>

Frontload Washers
Metered Commercial

Installation & Operation



Important Safety Information
Read and follow the safety instructions carefully.
Failure to do so may result in injury or death.

Alliance Laundry Systems
www.alliancelaundry.com

Part No. 3212121
Rev. 01/13

[Alliance Laundry Systems Frontload Washers: Installation and Operation Manual](#)

Comprehensive guide for installing and operating Alliance Laundry Systems Metered Commercial Frontload Washers, including safety instructions, specifications, and troubleshooting.