

AWN432SP113TW04

Pressure Switch User Manual

REPLACEMENT PART FOR ALLIANCE WASHERS AWN432SP113TW04

1. Product Overview

This document provides essential information for the Generic Pressure Switch, designed as a direct replacement part for Alliance Washers, specifically model AWN432SP113TW04. The pressure switch is a critical component in your washing machine, responsible for monitoring and controlling the water level during wash cycles. It ensures the washer fills with the correct amount of water and prevents overfilling or underfilling.



Figure 1: The Generic Pressure Switch. This component is typically gray, featuring electrical terminals for connection to the washer's control system and a hose barb for connection to the pressure sensing tube.

2. Compatibility

This pressure switch is an aftermarket replacement part specifically compatible with **Alliance Washers**. It is confirmed to fit and function with the following model:

- **AWN432SP113TW04**

If you are uncertain about the compatibility of this part with your specific washing machine model, it is highly recommended to contact the seller or a qualified appliance technician for advice before attempting installation. Providing your washer's full model number will assist in verifying compatibility.

3. Package Contents

The package includes the following item:

- 1 x Pressure Switch (as depicted in Figure 1)

4. Installation

Safety Warning:

Before beginning any repair or installation work on an appliance, always ensure the appliance is completely disconnected from its power source by unplugging it from the wall outlet or turning off the circuit breaker. Failure to do so can result in serious injury or electrical shock.

Replacing a washing machine pressure switch typically involves the following general steps. Specific procedures may vary depending on your washer's design. If you are not comfortable performing this repair, it is advisable to seek assistance from a professional appliance technician.

1. **Disconnect Power:** Unplug the washing machine from the electrical outlet.
2. **Access the Switch:** Depending on your washer model, you may need to remove the control panel, top panel, or rear access panel to locate the pressure switch. Consult your washer's service manual if available.
3. **Locate Old Switch:** The pressure switch is usually a small, round or rectangular component with electrical wires and a thin rubber or plastic tube (air dome tube) connected to it.
4. **Disconnect Old Switch:** Carefully disconnect the electrical wires and the air dome tube from the old pressure switch. Note their positions for reinstallation.
5. **Remove Old Switch:** Unmount the old switch from its housing or bracket.
6. **Install New Switch:** Mount the new pressure switch in the same location.
7. **Connect New Switch:** Reconnect the air dome tube and the electrical wires to the new pressure switch. Ensure all connections are secure and correctly oriented.
8. **Reassemble Washer:** Reattach any panels or components that were removed.
9. **Test Functionality:** Plug the washer back in and run a test cycle to ensure the water fills to the correct level and the washer operates normally.

5. Operating Principle (Function)

The pressure switch operates based on the air pressure within a sealed air dome tube connected to the bottom of the washer tub. As the tub fills with water, the water level rises, trapping air in the tube and increasing the air pressure. The pressure switch detects this change in pressure. Once the pressure reaches a predetermined level, indicating the desired water level has been achieved, the switch sends a signal to the washer's control board to stop the water inlet valve and proceed with the wash cycle. If the switch is faulty, it may lead to incorrect water levels, such as overfilling or underfilling.

6. Maintenance

The Generic Pressure Switch is a sealed electronic component and generally requires no routine user maintenance. It is designed for durability and reliable operation. To ensure its longevity and proper function, it is recommended to:

- Ensure the air dome tube connected to the switch is free from kinks, blockages, or leaks.
- Keep the area around the pressure switch clean and free of debris.

7. Troubleshooting

If your washing machine exhibits symptoms related to water level issues after replacing the pressure switch, consider the following:

Symptom	Possible Cause	Action
---------	----------------	--------

Symptom	Possible Cause	Action
Washer overfills or continuously fills	Faulty new switch (rare), blocked air dome tube, faulty water inlet valve.	Check air dome tube for kinks or blockages. Verify electrical connections to the switch. If problem persists, consult a technician.
Washer underfills or does not fill	Blocked air dome tube, faulty water inlet valve, incorrect wiring.	Ensure air dome tube is clear. Check all electrical connections. Verify water supply to the washer.
Washer stops mid-cycle with water in tub	Could be related to water level sensing.	Ensure the pressure switch is securely connected and the air dome tube is clear.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance repair technician for diagnosis and repair.

8. Specifications

Attribute	Detail
Manufacturer	Generic
Part Number	202937
Size	As picture
Color	As picture
ASIN	B0F1KX36C6
Date First Available	March 15, 2025

9. Support and Contact Information

For any questions regarding compatibility, installation, or troubleshooting of this pressure switch, please contact the seller directly. They are committed to resolving your inquiries within 24 hours.

For general appliance repair advice or if you require professional assistance, consider contacting a certified appliance repair technician in your area.