

Chrysler 4606045

Genuine Chrysler 4606045 Power Steering Switch User Manual

Model: 4606045

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Genuine Chrysler 4606045 Power Steering Switch. This component is a critical part of your vehicle's power steering system, designed to ensure optimal performance and safety. Please read this manual thoroughly before attempting any installation or service.

SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow these safety guidelines may result in personal injury or damage to the vehicle.

- Disconnect Battery:** Before beginning any work, disconnect the vehicle's negative battery terminal to prevent accidental electrical shorts.
- Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and gloves.
- Consult Service Manual:** Refer to your vehicle's specific service manual for detailed instructions and torque specifications.
- Professional Installation Recommended:** If you are not confident in your mechanical abilities, it is highly recommended to have this component installed by a certified automotive technician.
- Handle Fluids Carefully:** Power steering fluid can be corrosive. Avoid contact with skin and eyes. Dispose of used fluids responsibly.

SETUP AND INSTALLATION

The power steering pressure switch is typically located on the power steering pump or a high-pressure line. The exact location may vary by vehicle model and year. Always consult your vehicle's service manual for precise instructions.

- Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and ensure the engine is off and cool. Disconnect the negative battery terminal.
- Locate Switch:** Identify the existing power steering pressure switch. It will have electrical wiring connected to it.
- Drain Fluid (if necessary):** Depending on the switch's location, you may need to drain some power steering fluid to prevent spills. Have a drain pan ready.
- Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old switch.
- Remove Old Switch:** Use an appropriate wrench to unscrew and remove the old power steering switch. Be prepared for some fluid leakage.

6. **Install New Switch:** Apply a small amount of power steering fluid to the O-ring of the new Genuine Chrysler 4606045 switch. Carefully thread the new switch into its port by hand to avoid cross-threading.
7. **Tighten Switch:** Tighten the switch to the manufacturer's specified torque. **Do not overtighten.**
8. **Reconnect Electrical Connector:** Reconnect the electrical connector securely to the new switch.
9. **Refill Fluid (if necessary):** Top off the power steering fluid reservoir to the correct level using the recommended fluid type for your vehicle.
10. **Reconnect Battery:** Reconnect the negative battery terminal.
11. **Bleed System:** Start the engine and turn the steering wheel from lock to lock several times to bleed any air from the power steering system. Check fluid level again and top off if needed.



Figure 1: Front view of the Power Steering Switch, showing the electrical connector.



Figure 2: Rear view of the Power Steering Switch, showing the threaded end for installation.

Note: The images above illustrate the physical appearance of the Genuine Chrysler 4606045 Power Steering Switch, highlighting its electrical connection point and threaded installation end. These visual aids are provided to assist in identifying the component during installation.

OPERATING PRINCIPLE

The Genuine Chrysler 4606045 Power Steering Switch is a pressure-activated sensor. Its primary function is to detect the pressure within the power steering system. When the power steering pump is under high load (e.g., during low-speed maneuvers or parking), the pressure in the system increases. The switch sends a signal to the vehicle's engine control unit (ECU) to slightly increase engine idle speed. This prevents the engine from stalling due to the increased load from the power steering pump, ensuring smooth and consistent power steering assistance.

MAINTENANCE

The power steering switch itself typically does not require routine maintenance. However, regular inspection of the power steering

system can help prolong the life of all components, including the switch.

- **Fluid Level Check:** Regularly check the power steering fluid level and ensure it is within the recommended range.
- **Fluid Condition:** Inspect the power steering fluid for discoloration or burnt smell, which may indicate contamination or overheating.
- **Leak Inspection:** Periodically check power steering hoses, pump, and the switch area for any signs of fluid leaks. Address leaks promptly to prevent system damage.
- **Hose and Connection Check:** Ensure all hoses are securely connected and free from cracks or wear.

TROUBLESHOOTING

If you suspect an issue with your power steering switch, consider the following common symptoms:

- **Engine Stalling at Low Speeds:** If the engine stalls or idles roughly when turning the steering wheel at low speeds or while parking, the switch may not be signaling the ECU to increase idle speed.
- **Check Engine Light:** A faulty power steering pressure switch can sometimes trigger a "Check Engine" light on your dashboard. Diagnostic trouble codes (DTCs) related to power steering pressure may be present.
- **Hard Steering:** While less common for a switch issue, a complete failure could indirectly affect steering feel if the ECU isn't compensating correctly.
- **Fluid Leaks:** Leaks around the switch itself can indicate a faulty seal or a loose connection, which can lead to low fluid levels and system issues.

If you experience any of these symptoms, it is recommended to have your vehicle diagnosed by a qualified technician. They can perform specific tests to confirm if the power steering switch is the cause of the problem.

SPECIFICATIONS

Attribute	Value
Brand	Chrysler
Model Number	4606045
Manufacturer Part Number	4606045
OEM Part Number	4606045
Operation Mode	Power
Item Weight	3.2 ounces
Product Dimensions (L x W x H)	3.9 x 3.8 x 1.1 inches
Unit Count	1.0 Count
Color	Regular
Connectivity Protocol	Wi-Fi
Date First Available	October 11, 2013

Note: Connectivity Protocol "Wi-Fi" appears in the provided specifications. This is likely an error in the source data for an automotive part and should be disregarded for this specific product.

WARRANTY AND SUPPORT

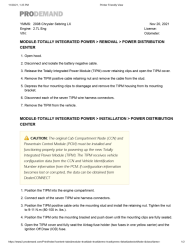



Genuine Chrysler parts are manufactured to strict quality standards. For specific warranty information regarding the Genuine Chrysler 4606045 Power Steering Switch, please refer to the warranty documentation provided with your purchase or contact an authorized Chrysler dealership or customer support directly. Support for installation and troubleshooting should first be sought from a qualified automotive technician or your vehicle's service manual.

For further assistance, you may visit the official Chrysler website or contact their customer service department.

Official Chrysler Store: Visit the Chrysler Store on Amazon

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Related Documents

	<p>2008 Chrysler Sebring LX TIPM Removal and Installation Guide</p> <p>Step-by-step instructions for removing and installing the Totally Integrated Power Module (TIPM) in a 2008 Chrysler Sebring LX with a 2.7L engine. Includes important cautions regarding vehicle configuration.</p>
	<p>Chrysler, Jeep, Dodge 2009 Vehicle Warranty and Maintenance Guide</p> <p>Comprehensive guide to Chrysler, Jeep, and Dodge vehicle warranties and maintenance schedules for 2009 models, covering coverage details, service intervals, and customer assistance.</p>
	<p>2019 Chrysler 300 User Guide: Operation, Features, and Safety</p> <p>Your essential guide to the 2019 Chrysler 300. Learn about vehicle operation, safety features, climate control, infotainment systems, and maintenance. Discover how to maximize your driving experience with this comprehensive user manual.</p>
	<p>2012 Chrysler 200 Convertible User Guide: Operation, Features, and Maintenance</p> <p>Comprehensive user guide for the 2012 Chrysler 200 Convertible. Covers vehicle controls, operation, electronics, maintenance, safety, and emergency procedures for an optimal driving experience.</p>