

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Mopar](#) /
- › [Mopar Oil Control Valve Instruction Manual, Model B0CCQP4SSJ](#)

Mopar B0CCQP4SSJ

Mopar Oil Control Valve Instruction Manual

Model: B0CCQP4SSJ

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Mopar Oil Control Valve, model B0CCQP4SSJ. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

SAFETY INFORMATION

WARNING: Improper installation or use can lead to serious injury or damage to equipment. Always follow safety guidelines and consult a qualified professional if unsure.

- Ensure the engine is off and cooled before attempting installation or maintenance.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Dispose of used oil and components responsibly according to local regulations.

SETUP AND INSTALLATION

The Mopar Oil Control Valve is designed for precise oil flow regulation within engine systems. Proper installation is crucial for its function.

1. **Preparation:** Ensure the engine is completely cool and disconnected from power sources. Locate the existing oil control valve.
2. **Removal:** Carefully disconnect any electrical connectors and unbolt the old oil control valve. Be prepared for some oil leakage.
3. **Inspection:** Inspect the mounting surface and O-rings for any damage or debris. Clean as necessary.
4. **Installation:** Insert the new Mopar Oil Control Valve into its designated port. Ensure it seats correctly.
5. **Securing:** Fasten the valve using the appropriate bolts and torque them to the manufacturer's specifications (refer to your vehicle's service manual).
6. **Connection:** Reconnect any electrical connectors securely.
7. **Final Check:** After installation, check for any leaks and ensure all connections are tight before starting the engine.



Figure 1: Side view of the Mopar Oil Control Valve, showing the threaded end and perforated body. This image illustrates the general form factor of the valve.

OPERATING PRINCIPLES

The Oil Control Valve (OCV) regulates the flow of engine oil to various components, such as variable valve timing (VVT) systems. It operates based on signals from the engine control unit (ECU), adjusting oil pressure and flow to optimize engine performance and fuel efficiency. The internal solenoid or mechanism precisely controls the oil passages.



Figure 2: Angled view of the Mopar Oil Control Valve, highlighting the hexagonal head and internal components. This image provides a different perspective of the valve's construction.

MAINTENANCE

The Mopar Oil Control Valve is designed for durability and typically requires minimal maintenance. However, regular engine oil changes and using the correct oil viscosity are crucial for its longevity and proper function.

- **Oil Quality:** Always use engine oil that meets the specifications recommended by your vehicle manufacturer.
- **Oil Change Intervals:** Adhere to the recommended oil change intervals to prevent sludge buildup, which can impede valve operation.
- **Inspection:** During routine engine maintenance, visually inspect the valve and its electrical connector for any signs of damage or corrosion.

TROUBLESHOOTING

If you experience issues related to engine oil control, consider the following troubleshooting steps:

Symptom	Possible Cause	Solution
Check Engine Light (DTC related to OCV)	Faulty OCV, wiring issue, low oil pressure, contaminated oil.	Check electrical connections. Inspect oil level and quality. Consult a professional for diagnostic scanning and potential OCV replacement.
Rough Idling or Stalling	Improper oil flow due to a sticking or clogged OCV.	Check oil quality and change if necessary. Consider OCV cleaning or replacement.

Symptom	Possible Cause	Solution
Reduced Fuel Economy	VVT system not operating optimally due to OCV malfunction.	Have the VVT system and OCV inspected by a qualified technician.

Note: For complex issues, it is recommended to consult a certified automotive technician.

SPECIFICATIONS

Brand: Mopar

Model: B0CCQP4SSJ

Type: Oil Control Valve

First Available: July 7, 2022

Application: Automotive/Industrial (specific vehicle application depends on part number cross-reference)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Mopar website or contact your authorized Mopar dealer. Keep your purchase receipt as proof of purchase.

Online Support: Visit the official Mopar website for FAQs and service center locations.

Customer Service: Contact Mopar customer service for direct assistance.

