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### Vemo V10-77-1058

# Vemo Change-Over Valve V10-77-1058 Instruction Manual

Model: V10-77-1058 | Brand: Vemo

## 1. PRODUCT OVERVIEW

The Vemo V10-77-1058 Change-Over Valve is a critical component designed for specific automotive fuel systems. This valve is responsible for regulating and directing the flow within the system, ensuring optimal engine performance and efficiency. It is manufactured to meet stringent quality standards, providing a reliable replacement for original equipment parts.

This part is compatible with the following vehicle models:

- VW Golf IV 1.6 (1997 – 2005) 75 kW
- VW Golf IV 1.6 (1997 – 2005) 74 kW
- VW Golf II 1.6 (1991 – 1998) 55 kW
- Audi A3 Hatchback 1.6 (1996 – 2003) 74 kW
- Audi A3 Hatchback 1.6 (2003 – 2012) 75 kW
- Audi A3 Hatchback 1994 1.6 (2003 – 2015)

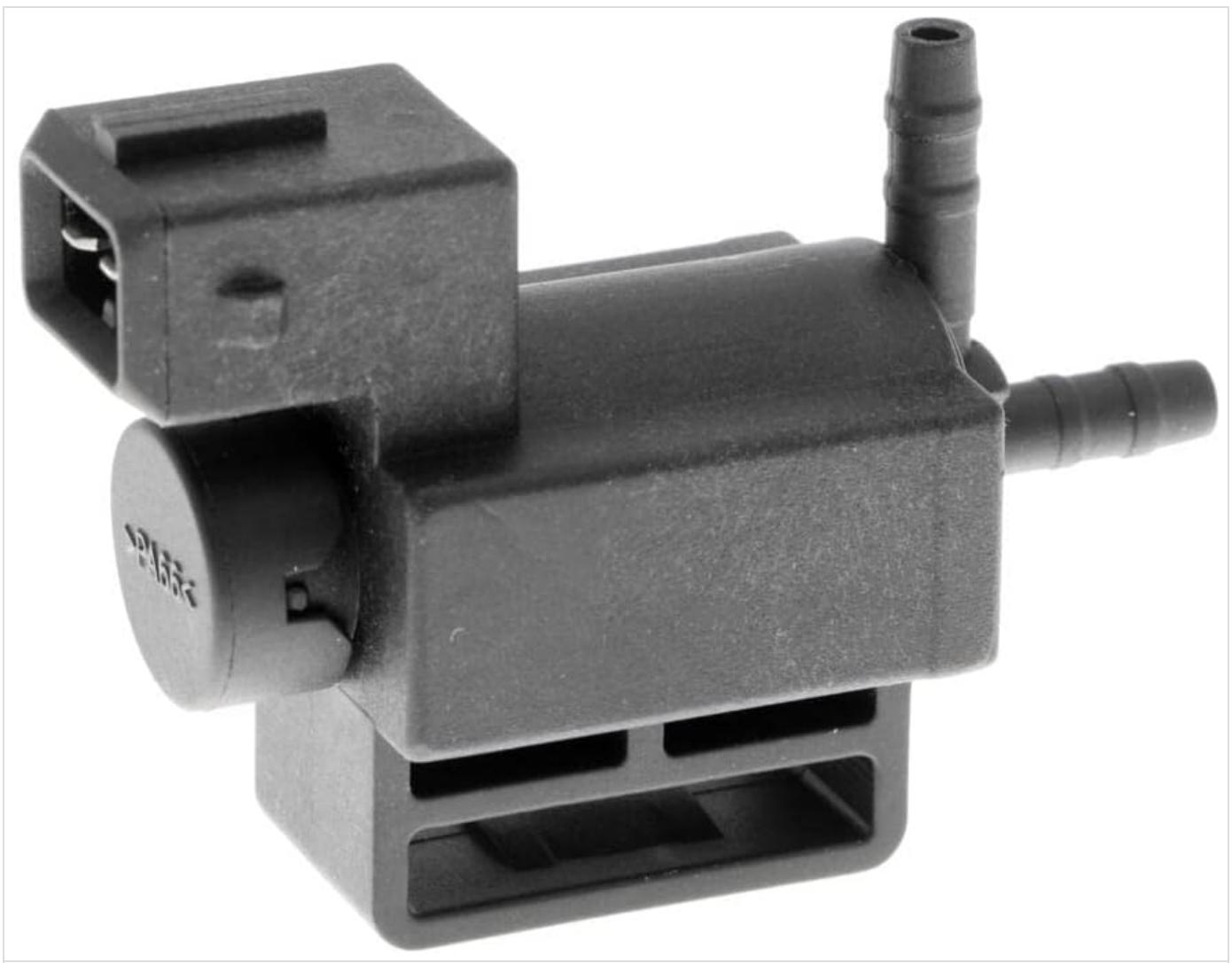


Image 1.1: The Vemo V10-77-1058 Change-Over Valve. This image displays the black plastic valve with its electrical connector on the left and two hose barb fittings on the right, designed for fluid or vacuum lines.

## 2. SAFETY INFORMATION

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Always prioritize safety when working with automotive components. Failure to follow safety guidelines can result in injury or damage to the vehicle.

- **Disconnect Battery:** Before beginning any work, disconnect the vehicle's battery to prevent electrical shorts or accidental activation of systems.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, gloves, and appropriate clothing to protect against fluids, sharp edges, and hot surfaces.
- **Consult Service Manual:** Refer to your vehicle's specific service manual for detailed instructions and torque specifications relevant to your make and model.
- **Work in a Well-Ventilated Area:** Ensure adequate ventilation, especially when dealing with fuel or other automotive fluids.
- **Professional Installation Recommended:** If you are not experienced with automotive repairs, it is highly recommended to seek installation by a qualified mechanic.

## 3. PACKAGE CONTENTS

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The Vemo V10-77-1058 Change-Over Valve package typically includes:

- 1 x Vemo V10-77-1058 Change-Over Valve

*Note: Additional mounting hardware or gaskets are generally not included and should be reused from the original component or purchased separately if required.*

## 4. INSTALLATION / SETUP

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This section provides general guidance for the installation of the change-over valve. Specific steps may vary by vehicle model. Always refer to your vehicle's service manual.

- 1. Preparation:** Ensure the engine is cool. Disconnect the negative terminal of the vehicle's battery.
- 2. Locate the Valve:** Identify the existing change-over valve in your vehicle's engine bay. Its location can vary, but it is typically found within the fuel or vacuum system lines.
- 3. Disconnect Connections:** Carefully disconnect any electrical connectors and vacuum/fluid hoses attached to the old valve. Be mindful of any residual fluid pressure or vacuum.
- 4. Remove Old Valve:** Unmount the old valve from its bracket or mounting points. Note its orientation for correct installation of the new part.
- 5. Install New Valve:** Position the new Vemo V10-77-1058 valve in the same orientation as the old one. Secure it to its mounting points.
- 6. Reconnect Connections:** Reattach all vacuum/fluid hoses and the electrical connector firmly. Ensure all connections are secure to prevent leaks or improper operation.
- 7. Final Steps:** Reconnect the vehicle's battery. Start the engine and check for proper operation and any error codes.

**Warning: Improper installation can lead to vehicle malfunction or damage. If unsure, consult a certified automotive technician.**

## 5. OPERATION

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The Vemo V10-77-1058 Change-Over Valve functions as an electronically controlled solenoid valve within the vehicle's fuel or vacuum system. Its primary role is to switch or direct the flow of vacuum or fuel vapor based on signals from the engine control unit (ECU).

In a typical application, this valve might control:

- Intake Manifold Runner Control:** Directing vacuum to actuators that change the geometry of the intake manifold for optimized airflow at different engine speeds.
- Fuel Vapor Management:** Controlling the flow of fuel vapors from the evaporative emission (EVAP) system canister to the engine for combustion, preventing release into the atmosphere.

The valve operates automatically as commanded by the ECU, responding to various engine parameters to maintain efficiency and emissions compliance.

## 6. MAINTENANCE

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The Vemo V10-77-1058 Change-Over Valve is designed to be a maintenance-free component. However, regular vehicle maintenance and inspections can help identify potential issues early.

- Regular Inspection:** During routine vehicle servicing, visually inspect the valve and its connections for any signs of damage, cracks, loose hoses, or corrosion.
- Hose Integrity:** Ensure that all connected vacuum or fluid hoses are in good condition, free from cracks or hardening, as these can affect valve operation.
- Electrical Connections:** Check the electrical connector for corrosion or looseness.

If the valve is suspected of malfunctioning, it typically requires replacement rather than repair.

## 7. TROUBLESHOOTING

Malfunctions of the change-over valve can lead to various engine performance issues or trigger diagnostic trouble codes (DTCs).

Symptom / Issue	Possible Cause	Recommended Action
Check Engine Light (CEL) illuminated	Faulty valve, electrical circuit issue, vacuum leak	Scan for DTCs (e.g., P0441, P1426). Inspect wiring and vacuum lines. Test valve operation.
Rough idle or poor engine performance	Valve stuck open/closed, vacuum leak	Inspect vacuum lines. Check valve for proper switching.
Increased fuel consumption	Valve not operating correctly, affecting fuel-air mixture	Verify valve function and related sensor readings.

**Important:** Troubleshooting automotive systems often requires specialized diagnostic tools and knowledge. It is advisable to consult a professional mechanic for accurate diagnosis and repair.

## 8. SPECIFICATIONS

Attribute	Value
Manufacturer	Vierol AG
Brand	Vemo
Item Model Number	V10-77-1058
Item Weight	2.2 pounds (approx. 1 kg)
Product Dimensions (L x W x H)	20.68 x 13.78 x 7.35 inches (approx. 52.5 x 35 x 18.7 cm)
OEM Part Numbers	0214057002, 037906283A, 37906283A
Date First Available	November 6, 2018

## 9. WARRANTY AND SUPPORT

Vemo products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the official Vemo website or contact your point of purchase.

For technical support or inquiries about the V10-77-1058 Change-Over Valve, please contact Vemo customer service or a certified Vemo distributor.

	<p><a href="#"><u>Finder 77 Series Solid State Relays: Industrial Automation Solutions</u></a></p> <p>Discover the Finder 77 Series Solid State Relays (SSR). This guide covers DIN rail and hockey puck models, featuring current ratings from 5A to 125A, zero-crossing and random switch-on options, and detailed technical specifications for industrial applications.</p>
	<p><a href="#"><u>Lachy DYV10AL Sweeper Battery User Manual</u></a></p> <p>Instruction manual for the Lachy DYV10AL sweeper battery, a replacement Li-ion battery for Dyson V10 series vacuum cleaners. Includes specifications, installation instructions, charging indicator guide, safety notes, and frequently asked questions.</p>
	<p><a href="#"><u>OtterBox Multi-Mount Power Bank with MagSafe - Compliance and Safety Information</u></a></p> <p>This document provides regulatory compliance information, including FCC, ISED (Canada), EU, and UKCA declarations of conformity, Taiwan RoHS compliance, WEEE disposal guidelines, and important safety instructions for the OtterBox Multi-Mount Power Bank with MagSafe.</p>
	<p><a href="#"><u>AUTOTERM Marine Fuel Kit User's Manual</u></a></p> <p>User's manual for the AUTOTERM Marine Fuel Kit, providing detailed instructions for installation, operation, and safety precautions for use with AUTOTERM AIR and AUTOTERM FLOW heaters in marine applications.</p>
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	<p><a href="#"><u>V10 PINPAD User Manual and Quick Start Guide</u></a></p> <p>User manual and quick start guide for the Vanstone V10 PINPAD, detailing USB port communication for power supply and setup.</p>