

VDO A2C59516938

VDO A2C59516938 Gasket Instruction Manual

Model: A2C59516938

1. PRODUCT OVERVIEW

The VDO A2C59516938 is a high-quality gasket designed for specific automotive applications. This component is crucial for ensuring a proper seal within the exhaust system, particularly for EGR valve applications, preventing leaks and maintaining optimal engine performance. It is manufactured from durable rubber material and features a round shape, designed for a precise fit.



Image 1.1: Front view of the VDO A2C59516938 Gasket. This image shows the round, black rubber gasket, highlighting its simple yet essential design for sealing automotive components.



Image 1.2: Top view of the VDO A2C59516938 Gasket. This perspective emphasizes the circular form and material texture, indicating its sealing purpose.

2. SPECIFICATIONS

Attribute	Detail
Brand	VDO
Model Number	A2C59516938
Manufacturer Reference	A2C59516938
OEM Reference	AUDI N90521601, AUDI N90521604
Color	Black
Material	Rubber

Attribute	Detail
Shape	Round
Product Weight	125 g (0.27 lbs)
Package Dimensions	31.2 x 20.9 x 13.8 cm (12.28 x 8.23 x 5.43 inches)

3. COMPATIBILITY

The VDO A2C59516938 Gasket is compatible with a range of vehicle models. It is essential to verify compatibility with your specific vehicle before installation. Below is a list of known compatible vehicles:

- **For Golf IV Hatchback (1J1):**

- 1.9 TDI 4motion (2000-2005, 1896 ccm, 74 KW, 101 CV)
- 1.9 TDI (2000-2005, 1896 ccm, 74 KW, 101 CV)
- 1.9 TDI 4motion (1999-2001, 1896 ccm, 85 KW, 115 CV)
- 1.9 TDI (1998-2001, 1896 ccm, 85 KW, 115 CV)
- 1.9 TDI 4motion (1998-2002, 1896 ccm, 66 KW, 90 CV)
- 1.9 TDI (1997-2004, 1896 ccm, 81 KW, 110 CV)
- 1.9 TDI (1997-2004, 1896 ccm, 66 KW, 90 CV)

- **For Golf V Hatchback (1K1):**

- 2.0 TDI (2004-2008, 1968 ccm, 103 KW, 140 CV)
- 2.0 TDI 16V 4motion (2004-2008, 1968 ccm, 103 KW, 140 CV)
- 1.9 TDI 4motion (2004-2008, 1896 ccm, 77 KW, 105 CV)
- 1.9 TDI (2004-2008, 1896 ccm, 66 KW, 90 CV)
- 1.9 TDI (2003-2008, 1896 ccm, 77 KW, 105 CV)

- **For Polo (9N):**

- 1.4 TDI (2001-2005, 1422 ccm, 55 KW, 75 CV)
- 1.9 TDI (2001-2009, 1896 ccm, 74 KW, 101 CV)

- **For Touran (1T1, 1T2):**

- 2.0 TDI (2005-2010, 1968 ccm, 103 KW, 140 CV)
- 1.9 TDI (2004-2010, 1896 ccm, 66 KW, 90 CV)
- 1.9 TDI (2003-2010, 1896 ccm, 77 KW, 105 CV)

- **For Passat Variant (3C5):**

- 2.0 TDI 4motion (2005-2009, 1968 ccm, 103 kW, 140 CV)
- 2.0 TDI (2005-2009, 1968 ccm, 103 KW, 140 CV)
- 1.9 TDI (2005-2008, 1896 ccm, 77 KW, 105 CV)

Note: This list is not exhaustive. Always cross-reference with your vehicle's specific requirements and consult a

4. SETUP (INSTALLATION)

Proper installation of the VDO A2C59516938 Gasket is critical for its performance and longevity. It is recommended that installation be performed by a qualified mechanic or an individual with appropriate automotive repair experience.

4.1. Safety Precautions

- Ensure the vehicle is turned off, cooled down, and properly secured (e.g., on jack stands or a lift).
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Work in a well-ventilated area.

4.2. Installation Steps

1. **Preparation:** Locate the component where the gasket needs to be replaced (e.g., EGR valve, exhaust manifold connection). Clean the mating surfaces thoroughly, removing any old gasket material, carbon deposits, or debris. The surfaces must be smooth and free of imperfections to ensure a proper seal.
2. **Gasket Placement:** Carefully position the new VDO A2C59516938 Gasket onto one of the clean mating surfaces. Ensure it aligns perfectly with all bolt holes and passages.
3. **Component Reassembly:** Reattach the corresponding component (e.g., EGR valve) to the mating surface, ensuring the gasket remains correctly seated.
4. **Fastener Tightening:** Install all bolts or fasteners. Tighten them gradually and evenly, following the manufacturer's specified torque sequence and values (if available for the specific vehicle component). Overtightening can damage the gasket or components, while undertightening can lead to leaks.
5. **Final Check:** After installation, visually inspect the area for proper fitment. Start the vehicle and check for any exhaust leaks or unusual noises.

5. OPERATING (FUNCTION)

The VDO A2C59516938 Gasket functions as a critical sealing component within the vehicle's exhaust or engine system, typically associated with the Exhaust Gas Recirculation (EGR) valve. Its primary purpose is to create a gas-tight seal between two mating surfaces, preventing the escape of exhaust gases or the ingress of unmetered air. A properly installed gasket ensures:

- **Emission Control:** By sealing the EGR system, it helps ensure that exhaust gases are correctly recirculated, contributing to reduced NOx emissions.
- **Engine Performance:** Prevents vacuum leaks or exhaust leaks that could negatively impact engine sensor readings, fuel efficiency, and overall performance.
- **Noise Reduction:** A tight seal minimizes exhaust noise that could otherwise escape from loose connections.

6. MAINTENANCE

As a static sealing component, the VDO A2C59516938 Gasket requires no routine maintenance after proper installation. However, its integrity should be considered during related automotive repairs or inspections.

- **Inspection:** During any work on the EGR system or adjacent components, visually inspect the gasket for signs of wear, cracking, or degradation.
- **Replacement:** Gaskets are generally single-use items. If the gasket is removed for any reason, it should be replaced with a new one to ensure a reliable seal. Do not reuse old gaskets.

7. TROUBLESHOOTING

Issues related to the VDO A2C59516938 Gasket typically stem from improper installation or material degradation over time. Common symptoms of a failing or improperly installed gasket include:

- **Exhaust Leaks:** Hissing or puffing sounds from the engine bay, especially noticeable when the engine is cold or under load.
- **Check Engine Light (CEL):** A leak in the EGR system can trigger diagnostic trouble codes (DTCs) related to emissions or engine performance.
- **Reduced Engine Performance:** Vacuum leaks can lead to rough idling, misfires, or decreased fuel efficiency.
- **Smell of Exhaust Fumes:** Exhaust gases entering the cabin.

7.1. Diagnostic Steps

1. **Visual Inspection:** Carefully inspect the gasket area for visible signs of damage, cracks, or black soot indicating a leak.
2. **Smoke Test:** A professional smoke test can identify small, otherwise undetectable leaks.
3. **Sound Check:** Listen for hissing or puffing sounds around the gasket area while the engine is running.






If you suspect a gasket failure, it is recommended to replace the gasket immediately to prevent further issues with your vehicle's emission system or engine performance.

8. WARRANTY AND SUPPORT

This product is subject to the standard return policy of the seller. For specific warranty details or technical support, please refer to the information provided by the retailer or contact the manufacturer directly.

- **Return Policy:** The product has a 30-day refund/replacement return policy from the date of purchase.
- **Contact:** If you are unsure whether the offered item is compatible with your vehicle, please contact the seller via email.

Related Documents - A2C59516938

	<p>VDO M1 WR Cycle Computer User Manual</p> <p>Comprehensive user manual for the VDO M1 WR cycle computer, detailing installation, operation, settings, functions, troubleshooting, and technical specifications.</p>
 <p>Equipped for everything – VDO solutions for fleets and workshops Product Catalog 11-2023</p>	<p>VDO Product Catalog: Solutions for Fleets and Workshops</p> <p>Comprehensive product catalog from VDO featuring tachographs, download keys, fleet management solutions, workshop tools, and accessories for commercial vehicles. Includes details on DTCO 4.1, DTCO 3.0a, speed sensors, and VDO Fleet services.</p>
	<p>VDO M4 WR: Manuale d'Uso Completo per Computer da Ciclismo</p> <p>Guida dettagliata al computer da ciclismo VDO M4 WR. Scopri come impostare, utilizzare e massimizzare le funzionalità di velocità, altitudine, distanza e tempo per migliorare le tue prestazioni ciclistiche.</p>
	<p>VDO DTCO 4.0 Digitális Tachográf Kezelési Útmutató - Használati és Telepítési Információk</p> <p>Részletes kezelési útmutató a VDO DTCO 4.0 digitális tachográfhoz. Fedezze fel a telepítést, funkciókat, adatkezelést és jogszabályi követelményeket járművezetők és vállalkozások számára.</p>
	<p>VDO 356 Gauge Fuel/Temperature Gauge 100mm Installation and Wiring Instructions</p> <p>Detailed installation and wiring instructions for the VDO 356 Gauge 100mm Fuel/Temperature Gauge, including sender compatibility and warning light connections.</p>
	<p>VDO DLK Smart Download Key User Manual</p> <p>User manual for the VDO DLK Smart Download Key, detailing its features, operation, data download procedures, and technical specifications. Learn how to use the DLK Smart for downloading and archiving tachograph data.</p>

