

VAS 6558A/39-3 User Manual

Manufactured by AVL DiTEST GmbH



INTRODUCTION

This documentation describes the VAS 6558A/39-3 and how to use it.

Read this documentation in its entirety.

Strict compliance with the safety instructions in the Safety chapter and the remainder of the documentation is required.

This documentation is an integral part of the product.

Keep it for the entire service life of the equipment, and pass it on to anyone who would find it relevant to their work with the equipment.

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TRANSLATION OF THE ORIGINAL USER MANUAL

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Sources of photographic material

Warning signs, prohibition symbols, mandatory symbols and standards symbols come from public sources such as generally accessible areas on the Internet. CAD product images and product photos are from the manufacturer. Photographic material showing the product in use must reference the source.

SAFETY

Intended Use

The product serves as a connecting line for diagnosing the high-voltage systems of Volkswagen road vehicles. This product is used to provide interfaces for communication between the high-voltage battery and vehicle when the vehicle is de-energized and the high-voltage battery is not installed.

The product may only be used under the conditions and limitations specified in the technical data and in compliance with all safety measures. Any use beyond the intended use as well as any non-compliance with the necessary requirements and safety measures will void the warranty and any associated liability.

Comply with the regulations applicable in your country.

The product is intended for indoor use only.

Its first use will be on the Porsche Taycan 2025>.

Target Group

The product is intended for vehicle repair and service workshops or similar facilities.

The product may only be used by personnel who, due to their professional qualifications, are able to comply with the necessary safety measures.

SAFETY

Safety Instructions

This manual contains important warnings and safety instructions that must be followed when using the equipment. Failure to comply with the safety instructions can result in personal injury and damage to the equipment. When using the equipment, a qualified specialist must ensure that the test object or test system cannot enter operating modes that could cause personal injury or material damage.

Explanation of Safety and Warning Symbols

The safety-related messages and additional safety symbols shown below are used in this documentation.

DANGER		DANGER indicates an imminent danger which, if not avoided, will lead to death or serious injury.
WARNING		WARNING indicates a potentially dangerous situation which, if not avoided, can lead to death or serious injury.
CAUTION		CAUTION indicates a potentially dangerous situation which, if not avoided, can lead to slight or minor injuries.
NOTE		NOTE indicates the possibility of damage to property.

SCOPE OF SUPPLY



The scope of supply is shown in the figure:

1. Diagnostic cable
2. USB stick with documentation
3. Quick Start Guide

PRODUCT OVERVIEW



The product is shown in the figure:

1. 6-pin connector
2. 6-pin coupling






Product Labeling

The following labels are affixed to the plastic tags on the diagnostic cable:

Symbol	Meaning
	Certification seal of the organization
VW AG VAS 6558A/39-3	Product Name

PRODUCT OVERVIEW

The following table describes the symbols on the product.

Symbol	Meaning
	Disposal information
	Read the user manual
	CE symbol
	RoHS symbol
	Manufacturer's logo
www.avlditest.com	Manufacturer's website

TECHNICAL DATA

Rating	Values
Voltage range	12 VDC
Cable length	3,000 mm

Ambient conditions	Values
Operating temperature	+2 °C to +50 °C
Relative air humidity	85% (non-condensing)
Storage temperature	-20 °C to +60 °C

OPERATION

Make sure that the vehicle is de-energized before use. Pay attention to the requirements in the repair manual. Follow the safety instructions below.

DANGER		When working on the high-voltage system, there is a risk of short-circuits and spark-overs. For live-line work, specific safety and vocational training conditions apply. Make sure to comply with these conditions in all situations.
DANGER		Intense magnetic fields or high currents may interfere with pacemakers and implanted defibrillators. Individuals with these types of implanted devices must not work on high-voltage systems.
WARNING		Never touch live cables or cable connections. Doing so can create life-threatening situations.
CAUTION		Before starting work, verify that the diagnostic cable is in working order.
NOTE		Read all maintenance and servicing information from the vehicle manufacturer before starting work.
NOTE		When working on the high-voltage system, avoid static discharges, which can damage electronic components.

MAINTENANCE AND CARE

Perform a visual inspection regularly. During the visual inspection, always check the product for the following conditions:

- Gross contamination → Clean
- Damage
- Wear

NOTE

Also read and follow the user manual of the vehicle manufacturer and operating company.

Cleaning

Clean the product if it is dirty.

Wipe down the product with a lint-free cloth.

Product Service Life

DANGER

The product service life is 2,000 mating cycles. Replace the diagnostic cable and discontinue using it once 2,000 mating cycles have been reached.

DISPOSAL

WEEE Directive

The WEEE Directive (Waste from Electrical and Electronic Equipment) stipulates that manufacturers of electrical and electronic devices placed on the market after August 13, 2005: (1) label their equipment and advise customers that they must be recycled; (2) ensure that their products are properly disposed of or recycled at the end of their service life.

Labeling

Our products, which are marked with the WEEE symbol (a crossed-out wheeled bin), indicate that the end user may not dispose of this product with household waste. In fact, it should be collected and treated separately. The product can also be returned to AVL DiTEST for disposal.

Disposal and Recycling of AVL DiTEST Products

Austria: The products produced by AVL DiTEST are provided for commercial applications (B2B) only. EDM registration is therefore not required, since it is not a household device (B2C).

We therefore recommend compliance with the EAG-VO (Elektroaltgeräteverordnung - Ordinance on Waste Electrical Equipment) of the Bundesgesetzblatt (Austrian National Gazette) II, No. 121/2005, i.e. disposal must be handled as specified in the EAG-VO. Additional disposal information, if necessary, is provided in the respective equipment manual.

EU member states: The products produced by AVL DiTEST are provided for commercial applications (B2B) only. Therefore, for equipment disposal, we advise compliance with the waste electronic equipment ordinance of the respective EU member state - in accordance with the 2012/19/EU WEEE Directive - Waste from Electrical and Electronic Equipment. Additional disposal information, if necessary, is provided in the respective equipment manual. In addition, observe substance bans and avoidance recommendations in accordance with the 2011/65/EU RoHS Directive "Restriction of Certain Hazardous Substances".

The current documents are available here:

<https://eur-lex.europa.eu/legal-content/DE/TXT/?uri=celex%3A32011L0065>

Non-EU countries: The products produced by AVL DiTEST are provided for commercial applications (B2B) only. Therefore, when disposing of the equipment, we recommend complying with the waste electronic ordinance of the respective country. Additional disposal information, if necessary, is provided in the respective equipment manual. In addition, observe any applicable substance bans and avoidance regulations.

CONTACT

Customer Service

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