

# Service Information

## Offboard Diagnostic Information System Service (ODIS Service)

**Subject: ODIS Service Introduction Guide**

**Date: March 5, 2014**

### 1.0 – Introduction

We are pleased to announce the availability of the **Offboard Diagnostic Information System Service (ODIS Service)** diagnostic software platform for Windows 7®

This **Introduction Guide** contains overview information on the software, and previews the installation process.

#### **ATTENTION!**

We urge independent workshop service personnel and IT professionals that may be tasked with installing ODIS Service to thoroughly **read and understand the information** in this guide in its entirety **prior to ordering and installing the software.**

### 1.1 – Introduction Overview

- ODIS Service is the new vehicle diagnostics software platform introduced by Volkswagen AG (VWAG) for use in all VW and Audi Specialist /Independent Workshops worldwide.
- ODIS Service can be installed on the VAS 6150A, VAS6150B, VAS6150C and VAS6160/A running Windows 7®.
- While several new diagnostic features and enhanced user interface functions are available, ODIS Service continues to deliver the proven GFF diagnostic test plans and contents familiar to independent workshop technicians currently using VAS-PC.
- VAS-PC diagnostic software cannot be installed on a Windows 7 VAS device.
- After April 18<sup>th</sup>, 2014, ODIS Service running on Windows XP will no longer be supported and online updates will stop shortly after this time.

### 1.2 – Availability and Cost

- ODIS Service installation DVDs can be ordered from **www.vw.techliterature.com** or **www.audi.techliterature.com** at a cost of **US \$20.00**
- The individual license and security certificates that are required to run the software are ordered from the **erWin** website.
- An annual subscription cost of **US \$500.00/brand** enables the software license and security certificate files for 12 months.

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## 1.3 – Eligible Devices & Minimum Specifications

- VAS 6150A/B/C
- VAS 6160 and 6160A

## 1.4 – Installer Requirements

We recommend each workshop appoint an **ODIS Service Software Administrator** to order software DVDs, perform license and certificate requests, manage receipt of the license files and install the software.

**Note:**

***To ensure trouble-free installations, individuals tasked with administering and installing ODIS Service must be competent with computer software installation and configuration!***

## 1.5 – Hardware Keys and License Requests

The authorized installation and use of ODIS Service software licenses by independent workshops on eligible diagnostic devices begins with a device **identification** and **license request** process.

License requests take place using the **erWin** application website administered by VWAG.

The licensing process requires that a **hardware key** be generated by the VAS diagnostic device on which the diagnostic software will be installed. The hardware key serves to identify individual devices for licensing purposes, and is generated by an executable during the license request process. As a result, license requests must be made using the diagnostic device on which the software and license will be installed.

The hardware key becomes a component of the device-specific **license file** which is created by VWAG. The license process is complete when the request is approved and the encrypted license file is emailed to the workshop. Installers must then copy the license file from the email and **save it on a USB flash drive**.

## 1.6 – Software Installation

The installation of ODIS Service software application and diagnostic data takes place via a dual-layer DVD. The license file previously saved on the USB flash drive is installed during the software installation routine. When the installation is complete, various one-time configuration steps are necessary prior to use.

## 1.7 – Security Certificate

In order for ODIS Service software to support immobilizer adaptations, SVM procedures and enable future diagnostic data updates via a network connection, a device-specific **ODIS Service Security Certificate** must be requested from **erWin > Vehicle Diagnostics** and installed on the device. The instructions to import this certificate will arrive from VWGoA Security Administration.

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## 2.0 ODIS Service Installation Overview

**Note:**

**The following steps assume the installer has a user name and password for the techliterature and erWin websites, and that the diagnostic device is not used for receiving emails.**

	Step	Description	Required Resources
Preparation	1	Confirm diagnostic device eligibility as per <b>Section 1.3</b> above	This document
	2	Order ODIS Service V2.1.0 DVD Order number 009.5002.02.21	www.vw.techliterature.com www.audi.techliterature.com
Requests	3	Logon to <b>erWin</b> with the eligible diagnostic device	<ul style="list-style-type: none"> <li>Eligible diagnostic device</li> <li>erWin</li> <li>USB flash drive</li> </ul>
	4	Navigate to <b>Vehicle Diagnostics</b>	
	5	Complete the <b>Security Certificate Request</b> (includes extracting the device hardware key) <b>Note: If you're purchasing a subscription for both VW and Audi, you only need to request 1 certificate.</b>	
	6	Save the hardware key to a text document	
	7	Complete the <b>Diagnostic License</b> process (includes copying and pasting the saved License file) <b>Note: If you're purchasing a subscription for both VW and Audi, you should complete the license request on the VW erWin site first, then on the Audi erWin site. You will then use the Audi license when installing ODIS. This is very important since performing in this order allows the license to provide access to VW and Audi content.</b>	
Installation & Configuration	8	Save the security certificate which arrives in an email from VWGoA Data Security Administration to a USB flash drive	<ul style="list-style-type: none"> <li>Email program on PC or laptop</li> <li>USB Flash drive</li> </ul>
	9	Install ODIS Service software using DVD (includes installation of saved license file)	<ul style="list-style-type: none"> <li>Eligible diagnostic device</li> <li>erWin</li> </ul>
	10	Configure software	<ul style="list-style-type: none"> <li>ODIS Service Installation Instructions</li> </ul>
	11	Install security certificate	Certificate installation instructions included with delivery email
		Prior to use, refer to the ODIS Service Manual (user guide) that is installed with the software.	<ul style="list-style-type: none"> <li>Eligible diagnostic device</li> <li>Go to &gt; Start &gt; Programs &gt; ODIS Service &gt; dropdown menu</li> </ul>

# Cautions & Warnings

**Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.**

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen retailer or other qualified shop. We especially urge you to consult an authorized Volkswagen retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Volkswagen.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Volkswagen is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Volkswagen retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.
- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

# Cautions & Warnings

- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly; do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Volkswagen specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.
- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Volkswagen Service technicians should test, disassemble or service the airbag system.

## Cautions & Warnings

- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Volkswagen Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

**I have read and I understand these Cautions and Warnings.**