

Offboard Diagnostic Information System Service (ODIS Service) Number: AOS-13-10

Subject: ODIS Service Installation Phase 2 - Software Installation & Configuration Instructions Date: May 21, 2013

Supersedes AOS-12-21 to specify use of Version 1.2.0 and additional information.

1.0 – Introduction

This document describes the complete installation and configuration processes of the latest installation version of ODIS Service.

Use this document to install and configure ODIS Service on VAS diagnostic devices **where ODIS Service was not previously installed or to perform a complete reinstallation.** Specific instructions for each of these scenarios are included as applicable.

Important prerequisites and preparations must be noted and fulfilled prior to proceeding!

We recommend printing these instructions.

Notes:

- The following procedures must be performed by the dealership **ODIS Service Administrator or IT Professional**, or **personnel qualified to perform software installations**.
- Perform all instruction steps in the exact order given. **Heed all Prerequisites and Notes!**
- Perform the update in an area that is quiet, clean, and without distraction or interruption.
- Total installation time depends on the type of device and CD/DVD drive condition. Allow at least 1 hour for laptops and 1.5+ hours for VAS 5051B, VAS 5052A and VAS 6160/-VPC.
- If assistance with specific instruction steps is needed, contact VWGoA DTSS: 1-888-896-1298.
- For misplaced or damaged DVDs contact Arvato Corporation at: www.audi.techliterature.com.

We encourage installers to FIRST read this document in its entirety to become familiar with the step-by-step processes and prepare accordingly.

1.1 - New Installations – ODIS Service Not Yet Installed

On devices where ODIS Service is not previously installed, completion of the installation and configuration steps described here is prerequisite to performing **ODIS Service Installation Phase 3 - Security Certificate Request & Installation**.

Installation Phases 1 through 3 must be completed on all new devices prior to using ODIS Service for vehicle diagnosis.

1.2 – Reinstallations – Complete Reinstallation of ODIS Service

On devices where ODIS Service was previously installed, a complete reinstallation can be performed to update an obsolete “installation” version or to resolve application malfunctions. In these cases, **always use the latest installation version** of ODIS Service to perform complete reinstallations.

The device-specific license file that was originally installed **must be available** in order to perform a complete reinstallation.

2.0 – Preparation

2.1 – Preparation and License Prerequisites

2.1.1 – New Installations

All instructions in the **ODIS Service Installation Phase 1 - Preparation and License Request Instructions** document must be completed and all necessary outcomes achieved:

- ☐ **Note the device platform: VAS 5051B console, VAS 5052A / VAS 6160/-VPC tablet or VAS 6150/X laptop. You will be asked to enter the platform during the installation routine!**
- ☐ Diagnostic device(s) assigned with unique **Device ID**.
- ☐ USB flash drive prepared with **Device ID** folders containing **License** and **Certificate** subfolders.
- ☐ Diagnostic device **Hardware Key** generated via **eShop** and saved/recorded in **Master List Wordpad** document on USB flash drive.
- ☐ License request submitted via eShop.
- ☐ **License file received via email and copied to applicable Device ID / License subfolder on USB flash drive.**

2.1.2 – Reinstallations

- ☐ **Note the device platform: VAS 5051B console, VAS 5052A / VAS 6160/-VPC tablet or VAS 6150/X laptop. You will be asked to enter the platform during the installation routine!**
- ☐ Note the assigned **Device ID** of the diagnostic device on which the installation is being made.
- ☐ **ODIS Service uninstalled.**
- ☐ License file saved to Windows desktop or other location on device.
- ☐ Optional: License file saved to original USB flash drive.

2.1.3 – Hardware

- ☐ **VAS 5051B:** Must have minimum 1GB standard or upgraded RAM, updated to Windows XP®
- ☐ **ODIS Service Update Version 1.2.0 – Order No. 006.5002.02.21 on hand.**
- ☐ Diagnostic device with functioning CD/DVD drive and USB.
- ☐ Diagnostic device plugged in to power adapter and booted to Windows® desktop.
- ☐ **VAS 5052A & VAS 6160/V tablets:** Connect a USB mouse and keyboard for easier input.

2.2 – Determine CD/DVD Drive Letter Assignment

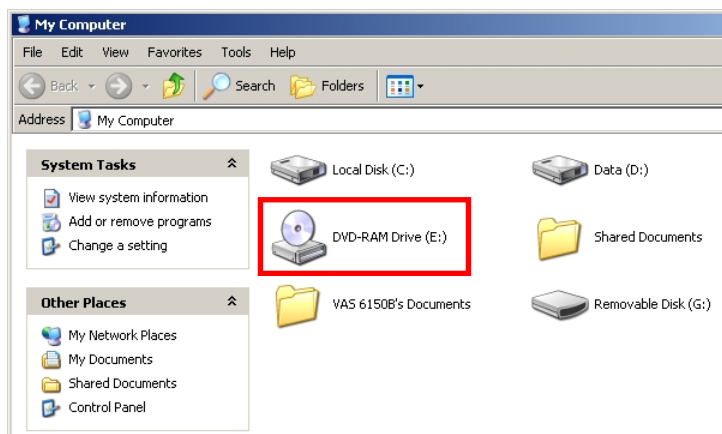
The procedures that follow require manual entry of the CD/DVD drive letter. As drive letter assignments may not be consistent between devices, please note and record the existing drive letter as follows:

1. From the Windows desktop, click **My Computer**:





- Note the letter assigned to the CD/DVD drive: **Note that the drive letter illustrated below is an example only. The drive letter assigned on your device may be different!**



- Record the drive letter **here: (_ :)**

- Close the **My Computer** Window.

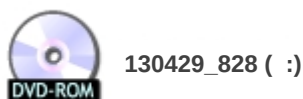
You will be instructed to confirm and enter the drive letter recorded above during Post Setup.

☐ Preparation & License Request Prerequisite steps complete

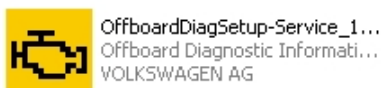
3.0 – Software & License Installation

- New installations:** Begin by inserting the prepared USB flash drive with saved license file(s) into available port on diagnostic device. Then **continue from Step 1** below:
- Reinstallations:** Begin with **Step 1** below:

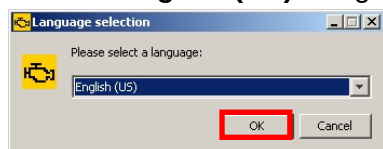
- Insert **ODIS Service Update Version 1.2.0** DVD into CD/DVD drive.
- From the Windows desktop, double-click **My Computer**
- Open** the CD/DVD drive directory:



- Wait** while the directory contents are read. Then **Double-click OffboardDiagSetup-Service_1...**

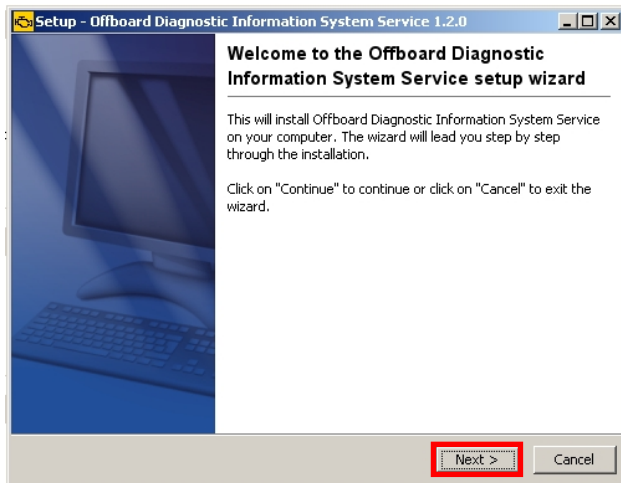


- Confirm **English (US)** is highlighted. Click **OK**.

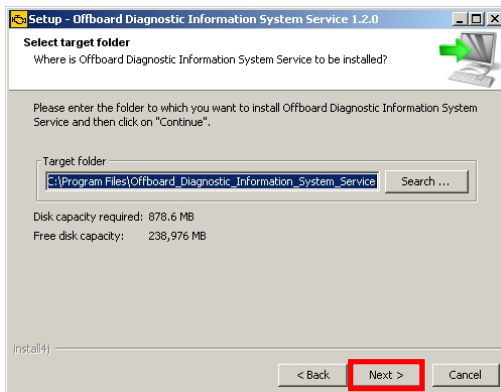




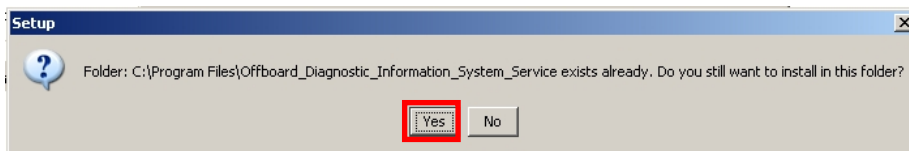
6. Click **Next**:



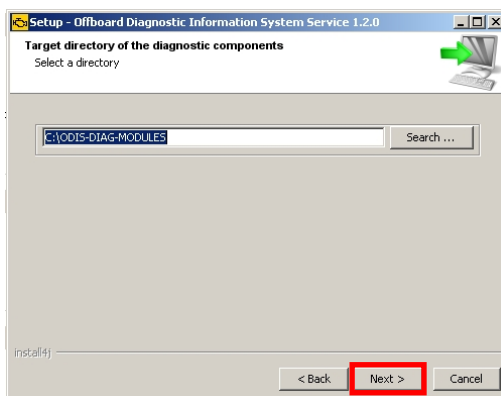
7. No action needed. Click **Next**:



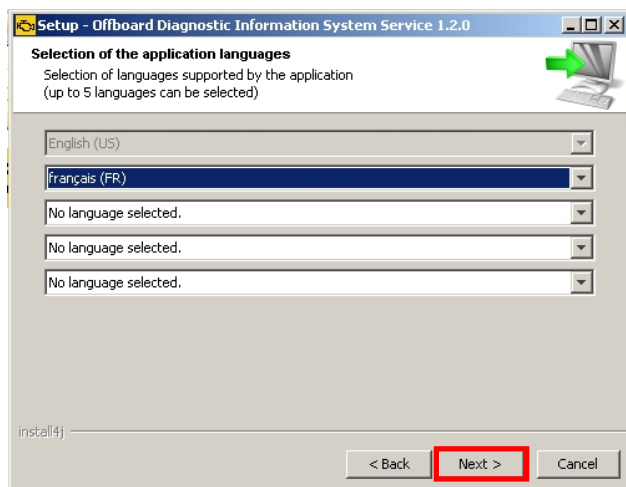
8. If a **Setup – Folder: C:/...** prompt appears during a reinstallation, click **Yes**:



9. No action needed. Click **Next**:



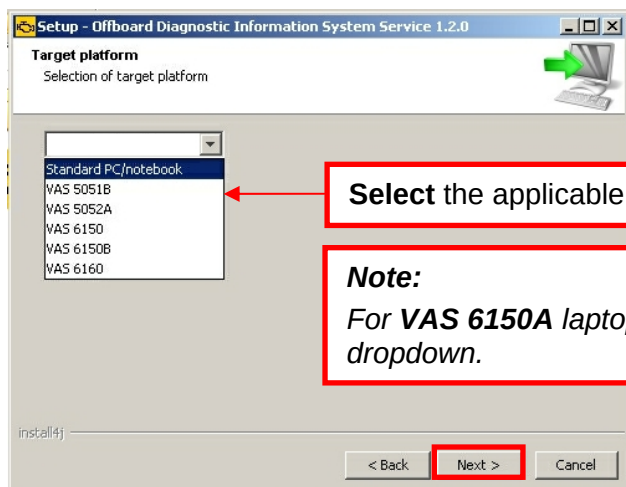
10. If additional user interface languages are desired, select them from the dropdown(s). **Note that selecting additional languages significantly increases the installation time.** Click **Next**:



Note:

Steps 11 and 12 configure the installed software to the diagnostic device platform and diagnostic interface (connection) method. **If diagnostic platform & interface (connection) methods are not selected correctly, an “Invalid License File” error will appear during the Post-Setup Diagnostic Data Installation process.**

11. Select the applicable **diagnostic device (target) platform** from the **dropdown menu**, then click **Next**:



Select the applicable device platform from the dropdown menu.

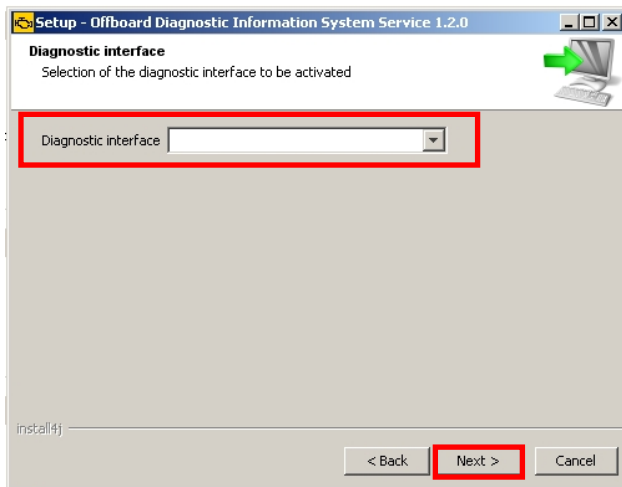
Note:

For VAS 6150A laptops, select Standard PC/Notebook from the dropdown.

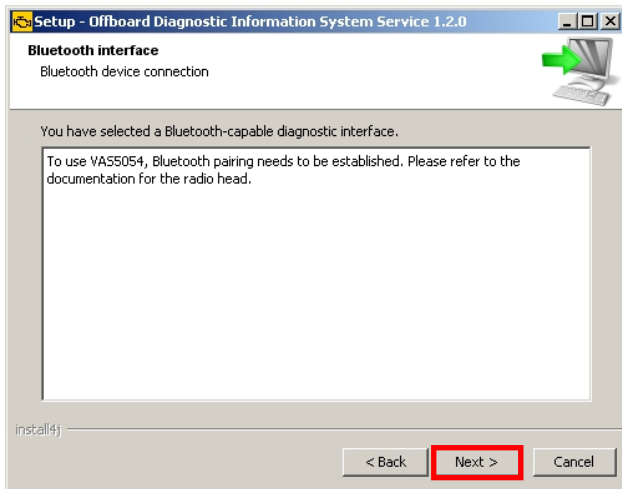
Continued ...6/



12. Confirm that the applicable **diagnostic interface (connection method)** appears: Click **Next**:

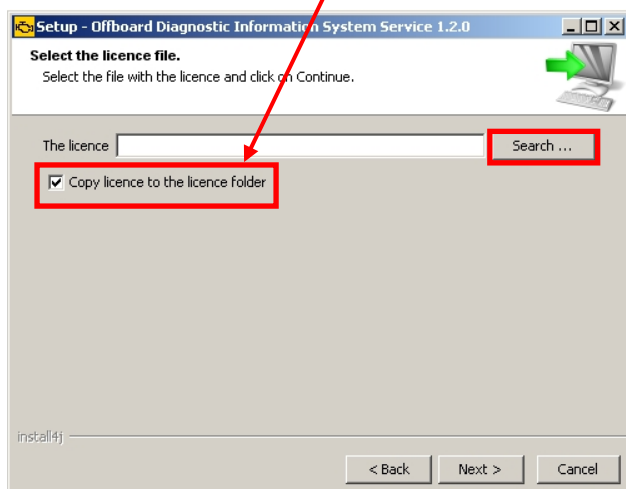


13. On **diagnostic laptops and tablets only**, a Bluetooth interface alert window appears. Click **Next**:



Continued ...7/

14. Ensure **Copy license to the license folder** is checked. Click **Search...**:

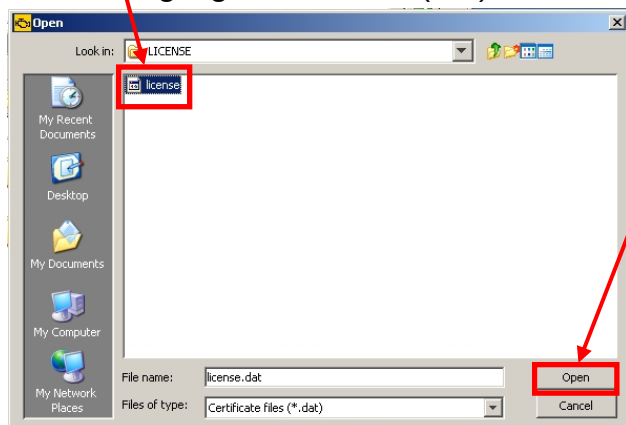


- **New installations:** Navigate to directory for prepared USB flash drive, and then **continue from Step 15.**
- **Reinstallations:** Navigate to Windows desktop or other location containing the folder with the **saved license file**, and then **continue from Step 15:**

15. **Open** the applicable **Device ID** folder or other folder containing the license file.

16. **Open** the **License** subfolder.

17. **Select / highlight** the **license (.dat)** file, then click **Open** (as illustrated).



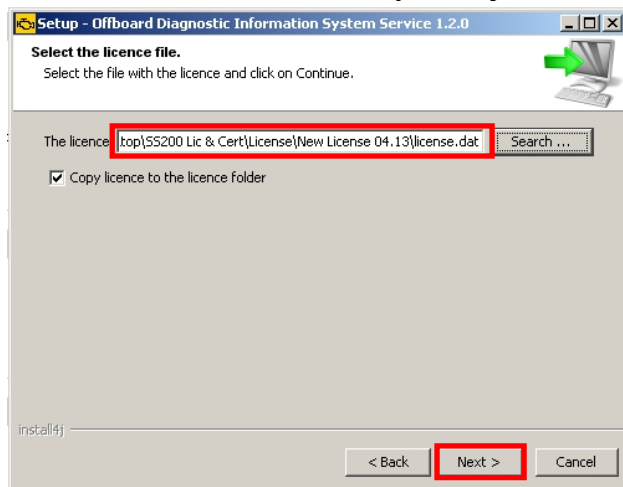
Note:

DO NOT double click on the license file in its saved location!

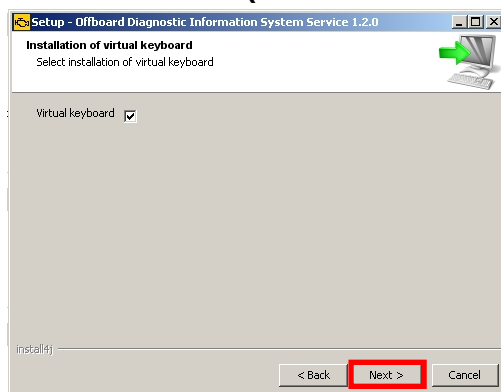
Continued ...8/



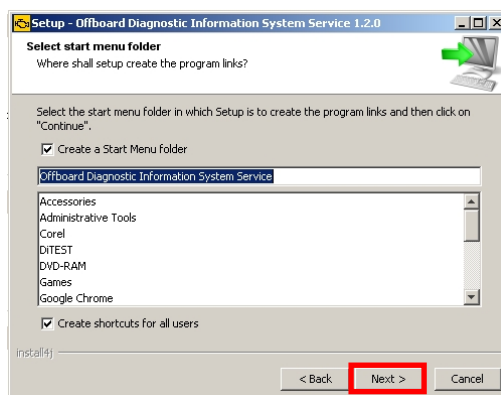
18. Ensure the license file directory path is copied to the installation window. **Note that the path illustrated below is an example only! The actual path will be unique to your device.** Click Next:



19. No action needed (**DO NOT** uncheck virtual keyboard). Click Next:



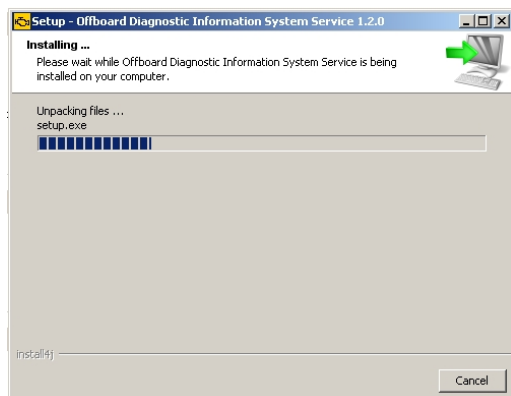
20. No action needed. Click Next:



Continued ...9/

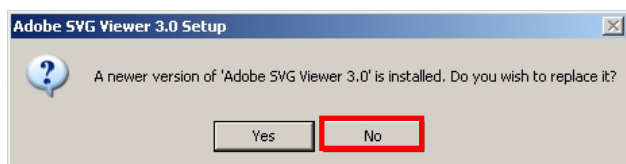


21. Wait while several different phases of file installation take place:

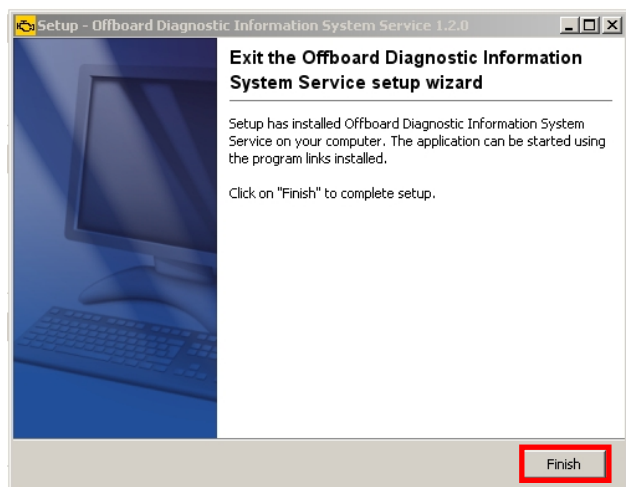


22. If an **existing Windows .dll file overwrite** prompt appears during a reinstallation, click **Yes for all**.

23. If an **SVG Viewer version** prompt appears during a reinstallation, click **No**:



24. Click Finish:



25. Close the CD/DVD directory Window.

☐ Software & License Installation steps complete

Proceed with Post-Setup Diagnostic Data Installation: Section 4.0 – Page 10.



4.0 – Post-Setup Diagnostic Data Installation

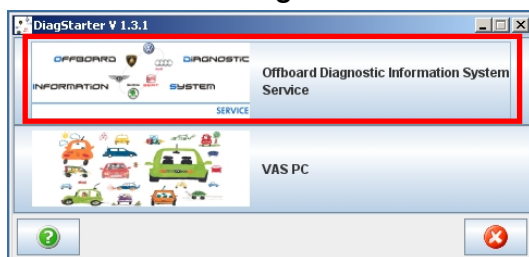
The first time ODIS Service is started after installation via DVD, installation of the **Post-Setup Data** must be performed. The post-setup process installs diagnostic data from the DVD. This process takes place in **two parts** from two different target directories.

4.1 – Post Setup – Part 1

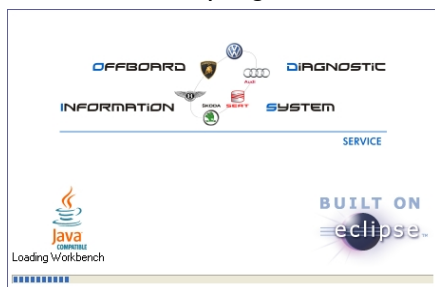
1. From the Windows desktop, locate and click the **DiagStarter.bat....** Icon:



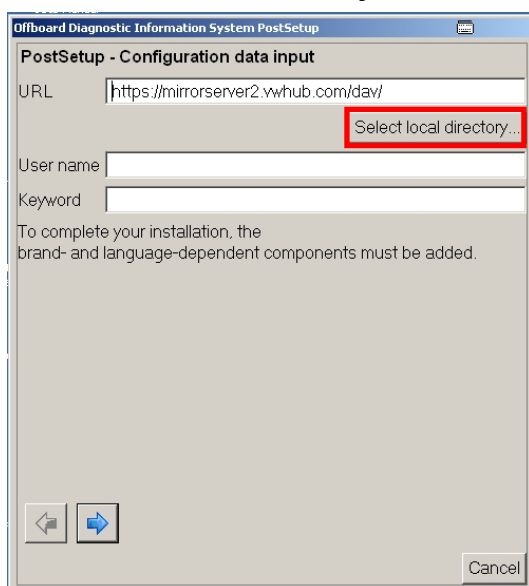
2. Select **Offboard Diagnostic Information System Service**:



3. **Wait** while the program starts:

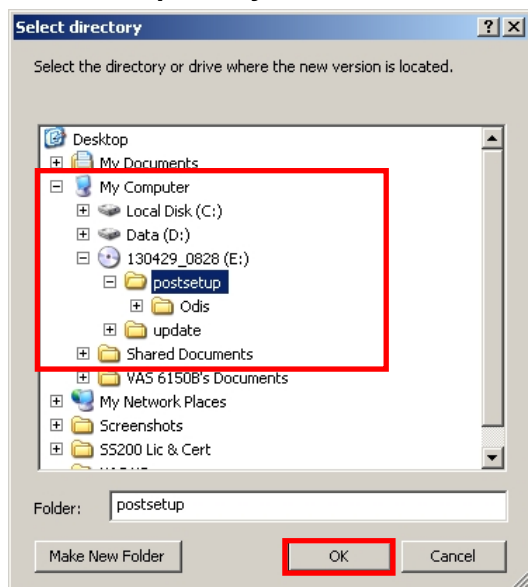


Click **Select local directory**:

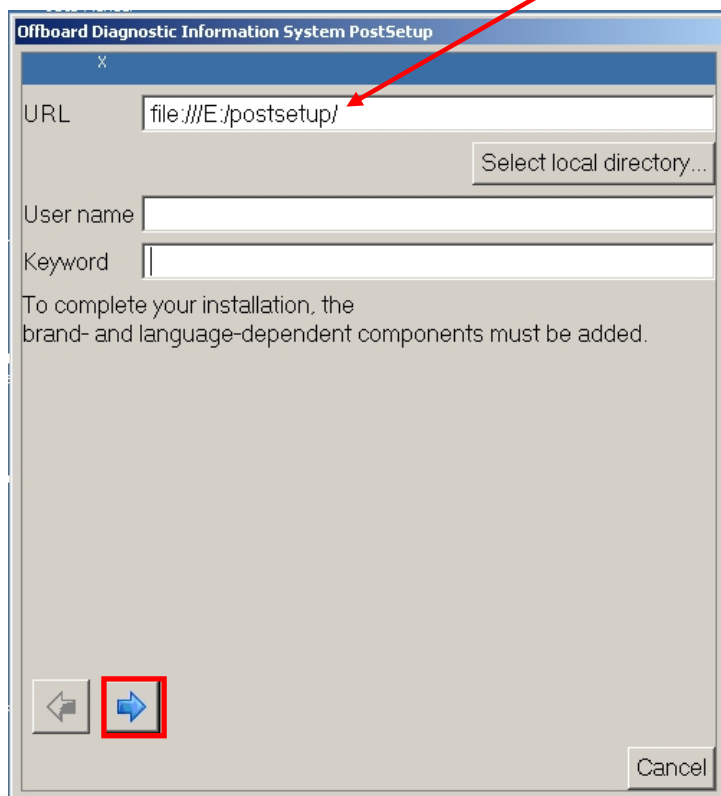




4. Expand [+] the **My Computer** and **130429_0828 (:)** directories and **select / highlight** the **postsetup** folder as illustrated. Then click **OK**: *Note that the CD/DVD drive letter illustrated below is an example only!*



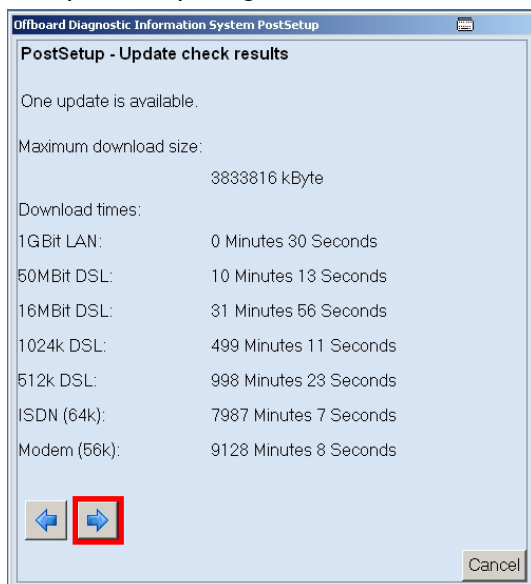
5. **Manually type in a backslash character (\)** to the end of the URL target directory path. Then click the blue **Forward Arrow** button:



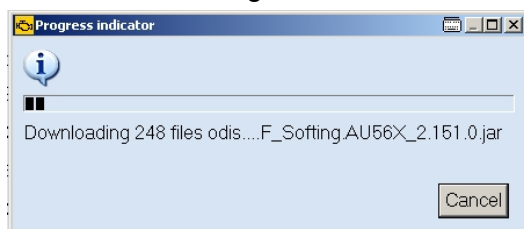
Continued ...12/



6. The postsetup diagnostic data **on disc** is summarized. Click the blue **Forward Arrow** button again:



7. **Wait** while the diagnostic data installation takes place:



Note:

The **Progress indicator** window may appear to stall or lock at times during the data installation. This is normal. Please be patient!

When the **Post Setup – Part 1** data installation is complete, the **ODIS Service application** will **automatically shut down and restart**.

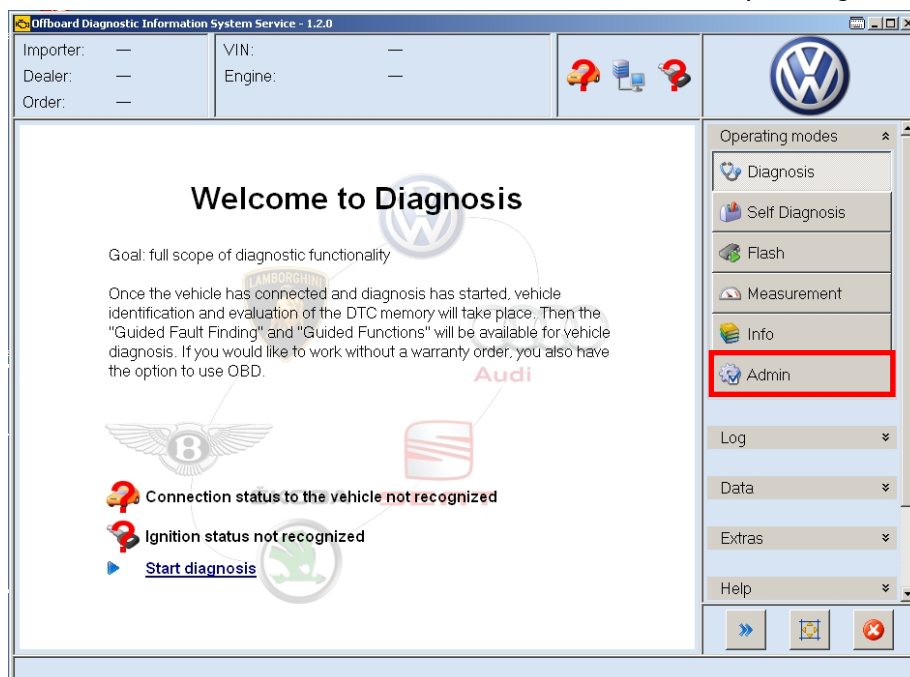
8. **Cancel** the **System Updater prompt (if present)** and close the **Release Notes** window.
9. **Read** the **Warnings/notes** information, **scroll down** and **click OK**.

Proceed with the Post Setup – Part 2 procedure starting on Page 13.

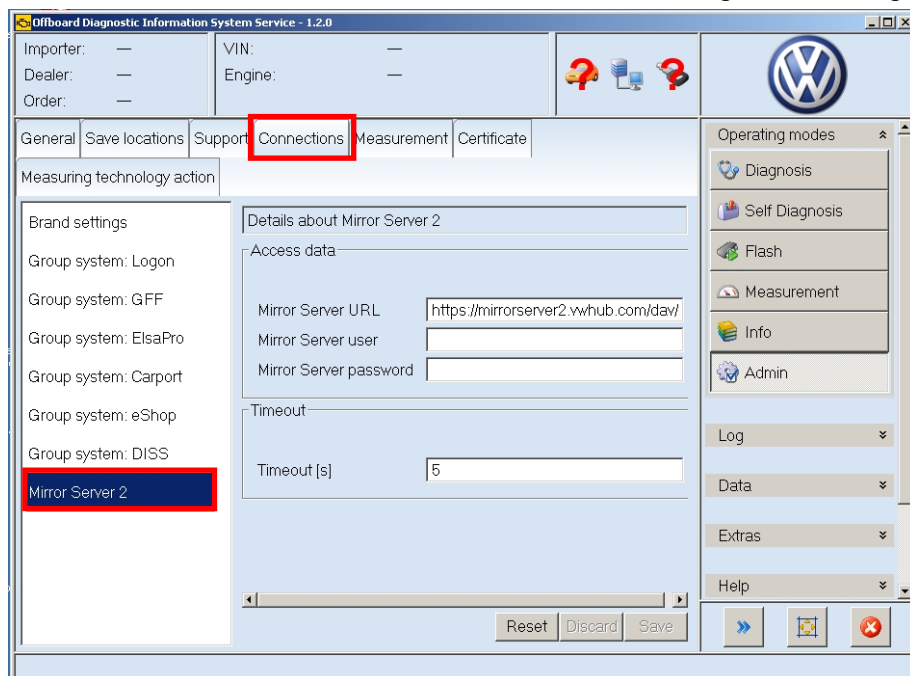
Continued .../13

4.2 – Post Setup – Part 2

1. From the ODIS Service main screen, select the **Admin** operating mode:



2. Select the **Connections** tab and **Mirror Server 2** configuration category:



Continued ...14/

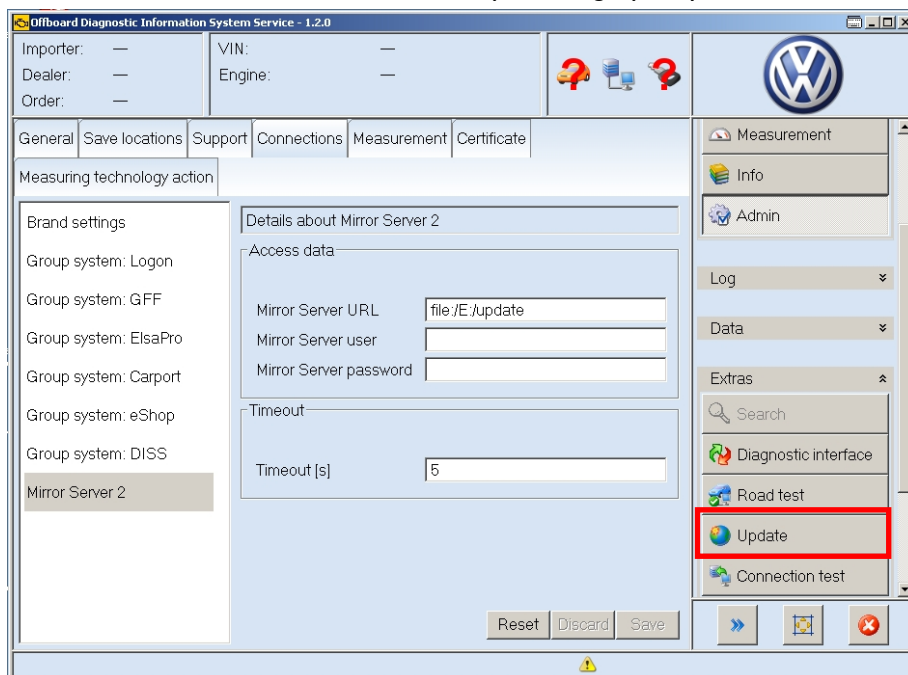
3. Delete the existing Mirror Server URL by backspacing out all characters in the field as illustrated:

4. Manually type in the **update target directory for the CD/DVD drive as per the drive letter assignment noted on Page 3.** Example (only): **file:/E:/update.** Then click **Save / Yes:**

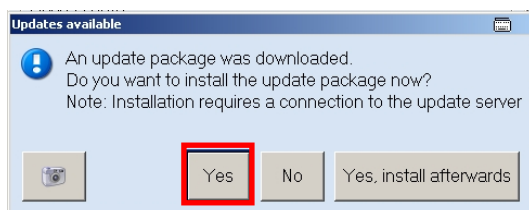
Note:

The update target directory entered above **must** include the device's CD/DVD drive letter assignment previously noted. **Examples:** **file:/E:/update** or **file:/F:/update** or **file:/G:/update ...etc., as applicable to your device.** Also heed the placement of colons and slashes.

5. From the ODIS Service main screen (lower right), expand the **Extras** category and select **Update**:

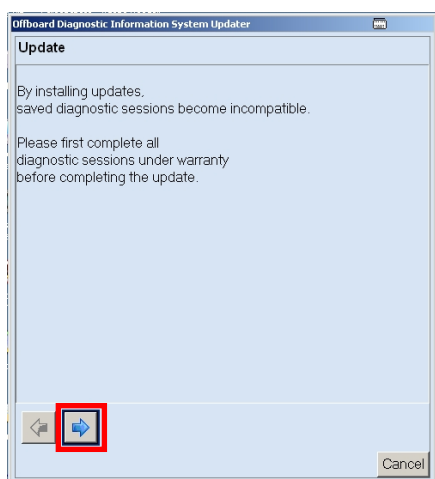


6. Click **Yes**:



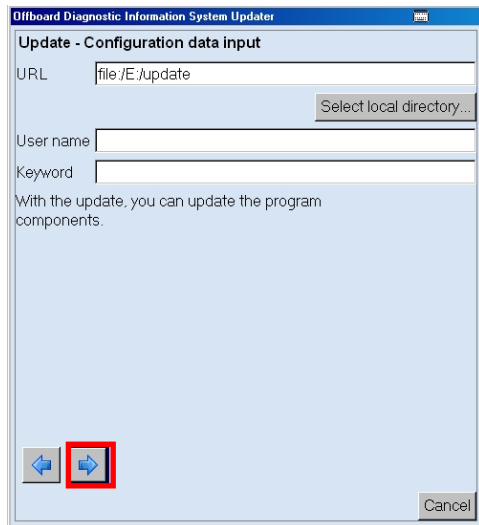
The ODIS Service application will automatically shut down and restart. On restart, the update target manually entered in Step 4 is read and the data installation process is initiated.

7. Heed the saved diagnostic sessions incompatibility message. If you wish to proceed, click the **blue forward arrow** button:

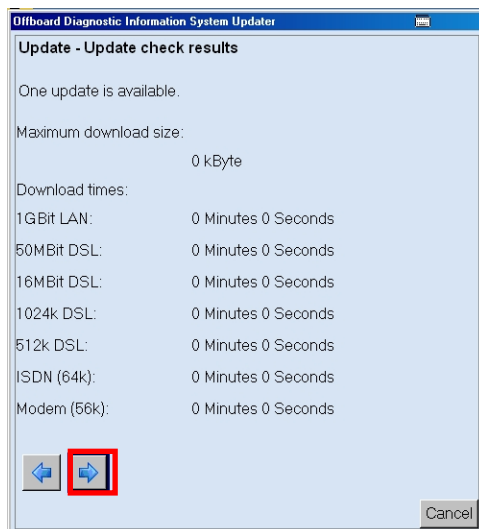




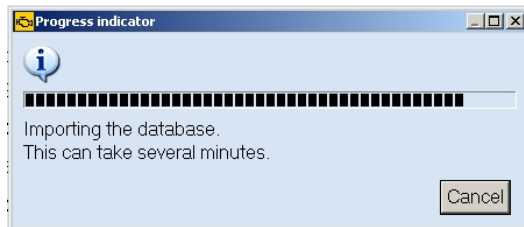
8. Click the **blue forward** arrow button:



9. Click the **blue forward** arrow button again:



10. **Wait** while the data installation takes place.

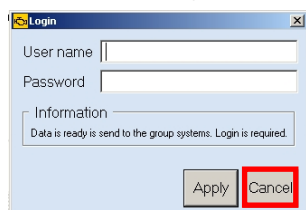


Note:

*The **Progress indicator** window may appear to stall or lock at times during the data installation. This is normal. Please be patient!*

When the update installation is complete, **ODIS Service will automatically shut down and restart.**

11. Eject the DVD (and USB flash drive if applicable), and store in a safe place.
12. When the **System Updater** window appears, click **Cancel**.
13. Click **Cancel**: *Note that this additional login prompt does not apply to the US/CDN market. DO NOT enter any login information!*



Post Setup Diagnostic Data Installation steps completed

4.0 – Post-Setup Configuration

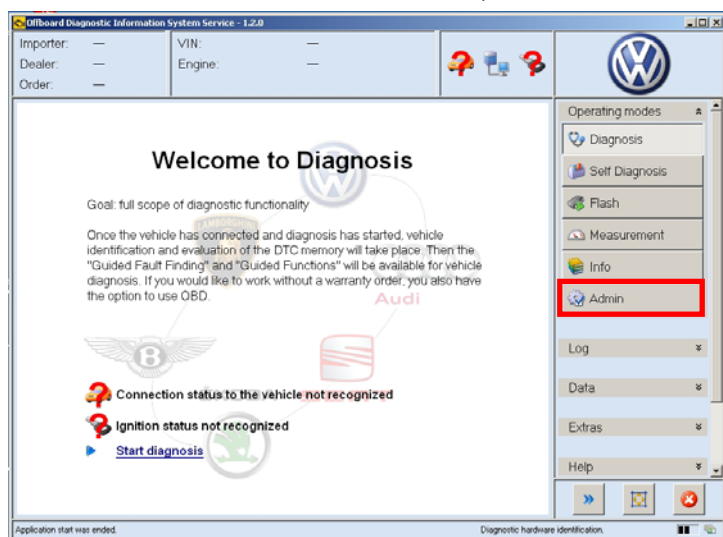
Prior to placing diagnostic devices with ODIS Service installations into service, a number of configuration steps must be performed.

The following subsections describe ODIS Service configuration using the **Administration (Admin)** operating mode. All **Admin** settings can be changed at any time.

4.1 – Administration - General

The following subsection describes ODIS Service configurations using the **Admin > General** operating mode.

1. From the ODIS Service main screen, select the **Admin** operating mode:



The **General** tab is displayed first and the Volkswagen brand design appears by default.

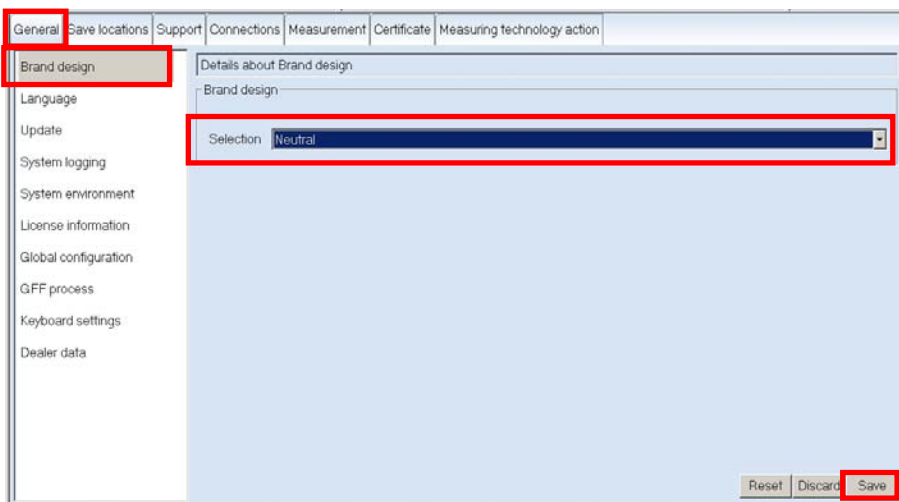
Continued ...18/



4.1.1 – Brand Design

The **brand logo** and **user interface colors** are configured with the **Brand design** function.

1. Select **Brand design** and choose the desired brand theme from the dropdown menu. Click **Save / Yes**:

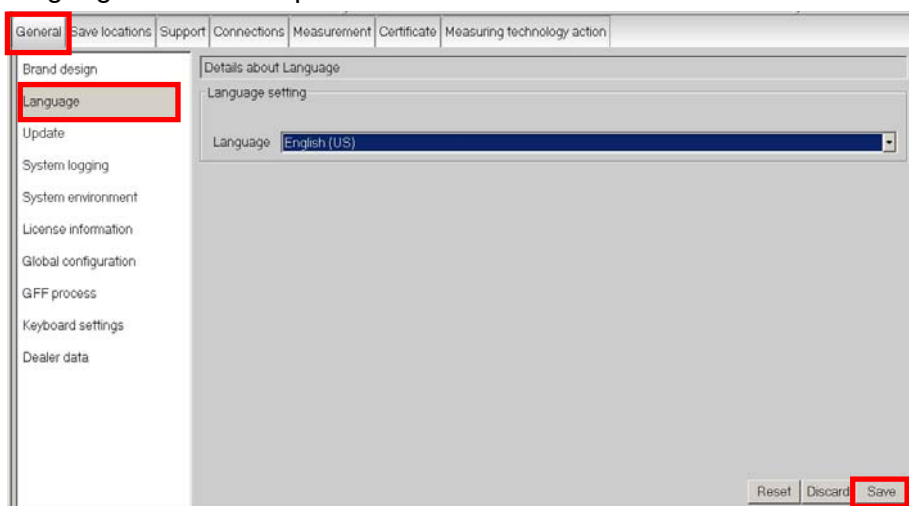


4.1.2 – Language

The **language displayed by the user interface** is configured with the **Language** function.

If additional languages were selected at the start of the software installation process, these languages are selectable here.

1. **Only if languages other than English (US) were added**, select **Language**. Then choose the desired language from the dropdown menu. Click **Save / Yes**:



Continued ...19/



4.1.3 – Update

The schedule for automatic updates is configured with the **Update** function.

1. Select **Update**: Review the available update schedule settings:

2. Configure the update **cycle** and **time** appropriate for your facility: Click **Save / Yes**

Note:

*For additional information on configuring the **Update** schedule, refer to **Service Information – ODIS Service** document title: **ODIS Service Update Version 1.2.0 – New Features Overview***

4.1.4 – Keyboard

The virtual keyboard can be switched **on or off** as desired for the applicable diagnostic device.

1. Select **Keyboard settings**: Place or remove a **checkmark** next to **Use the virtual keyboard**. Click **Save / Yes**:

Continued ...20/



4.1.5 – Dealer Data

If desired, configure the name of the dealership to appear in the diagnostic logs.

1. Select **Dealer data**: Enter the name of the dealership in the **Facility ID** entry field (**do not exceed 100 characters including spaces**). Click **Save / Yes**:

The screenshot shows the ODIS configuration interface. The 'General' tab is selected in the top navigation bar. On the left sidebar, 'Dealer data' is highlighted. The main area displays 'Details about Dealer data' with a 'Facility ID' text box containing 'My Hometown Dealer'. At the bottom right, there are 'Reset', 'Discard', and 'Save' buttons.

4.2 – Administration - Support

The following subsection describes ODIS Service configurations using the **Admin > Support** operating mode.

1. From the **Admin** operating mode main screen, select the **Support** tab: The **Contact data** section is displayed first by default:

The screenshot shows the ODIS configuration interface with the 'Support' tab selected in the top navigation bar. On the left sidebar, 'Contact data' is highlighted. The main area displays 'Details about Contact data' with a 'Contact data for feedback' section. It includes a radio button for 'Telephone number(*) No valid pinout.' and four text boxes for 'First name', 'Last name', 'E-mail address(*)', and 'Telephone number(*)'. At the bottom right, there are 'Reset', 'Discard', and 'Save' buttons.

Continued ...21/



4.2.1 – Contact Data

Contact information is saved as necessary for **Support** button requests.

1. Fill in all pertinent contact details. Ensure a valid email address is entered: Click **Save / Yes**:

General | Save locations | **Support** | Connections | Measurement | Certificate | Measuring technology action

Contact data

E-mail outbox server

Details about Contact data

Contact data for feedback:

First name: [Xxxxxxx]
Last name: [XXXXXXXXXX]
E-mail address(*): [xxxxxx@xxxx.com]
Telephone number(*): [1234567891]

Reset | Discard | **Save**

4.2.2 – Email Outbox Server

The **Email Outbox Server - Connection** parameters that are specific to the dealership network must be configured before using the **Support** button.

1. Select **E-mail outbox server**: Select and/or fill in all information as applicable and specific to the dealership network. Click **Save / Yes**:

General | Save locations | **Support** | Connections | Measurement | Certificate | Measuring technology action

Email outbox server

Details about E-mail outbox server

Use the standard e-mail client of the operating system: ☐

Connection parameters

Connection: [Mail]
Mail server: [XXXXXXXXXXXXX]
Mail server port: [25]
Mail server login: ☐
User name: []
Password usage: [only for the next feedback transmission]
Secure connection: ☐
E-mail sender address: [xxxxxx@xxxx.com]

Reset | Discard | **Save**

ATTENTION!

- If you are unaware of the required settings, ask your dealership systems/email administrator or IT Professional for assistance and/or refer to Service Information - ODIS Service document title: ODIS Service Email Outbox Configuration
- When known, please record these dealership-specific settings for future reference.

4.3 – Administration - Connections

The following subsection describes software configuration using the **Admin > Connections** operating mode.

1. From the **Admin** operating mode main screen, select the **Connections** tab. The **Brand settings** data section is displayed first by default:

The screenshot shows the 'Connections' tab selected in the top navigation bar. On the left, the 'Brand settings' section is highlighted in the sidebar. The main area displays 'Details about Brand settings' with a 'Brand to configure' dropdown set to 'Volkswagen'. Below this, 'Connection types' are listed: 'for Volkswagen' and 'for Audi', both currently set to 'CPN'. At the bottom right are 'Reset', 'Discard', and 'Save' buttons.

4.3.1 – Brand Settings Data

The connection to **VWAG Group systems** (to transmit GFF logs, etc.) is configured via **Brand settings**.

1. **Change** the default **Connection type** in the dropdown menu(s) from **CPN** to **Internet**: Click **Save / Yes**:

This screenshot shows the same 'Brand settings' screen as before, but the 'Connection types' for both 'for Volkswagen' and 'for Audi' have been changed from 'CPN' to 'Internet'. The 'Save' button at the bottom right is now highlighted with a red box.

Continued ...23/

4.3.2 – Mirror Server 2

The connection to the URL for incremental **online updates** is configured via **Mirror Server 2**.

To enable online update downloads, the update directory must be reset to the **Mirror Server 2 URL** specified for the US /CDN market.

1. Select **Mirror Server 2**. Click **Reset**:

The screenshot shows the 'Connections' tab in the 'Details about Mirror Server 2' window. The 'Mirror Server URL' field contains 'file://E:/update'. The 'Reset' button at the bottom right is highlighted with a red box.

The Mirror Server 2 URL is automatically read from the license file and reset.

2. Confirm the **Mirror Server URL** now appears as: **<https://mirrorserver2.vwclub.com/dav/>**

The screenshot shows the 'Mirror Server URL' field updated to 'https://mirrorserver2.vwclub.com/dav/'. A red arrow points to this field.

For new installations:

- Continue from **Subsection 4.4** and then **Section 5.0**.
- Install the Security Certificate: Refer to **Service Information – ODIS Service** document title: **ODIS Service Installation Phase 3 – Security Certificate Request and Installation Instructions**

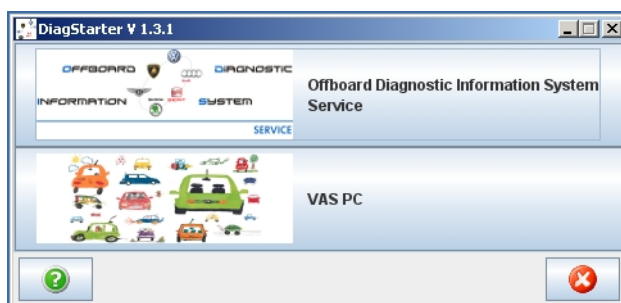
For reinstallations: The diagnostic device can now be returned to service.

4.4 – Delete VAS-PC Desktop Icon

1. **Minimize** the ODIS Service application.
2. From the Windows desktop, **right click** the **VAS-PC icon**.
3. Select **Delete** from the dropdown. Click **Yes**.

ATTENTION!

- The VAS-PC icon must be deleted from the Windows desktop! If VAS-PC is started from the desktop the device may lockup during VAS-PC operation, requiring a hard reboot.
- During regular use, do not start VAS-PC from the Windows > Start > Programs listing.
- Start **ALL** diagnostic sessions from the DiagStarter desktop icon:  ...and then select *either* ODIS Service or VAS-PC from the DiagStarter interface:



Please inform all Service Personnel accordingly!

☐ Post-Setup Configuration steps completed

5.0 – Post-Installation File Management & Backup

5.1 – General Information

If ODIS Service becomes corrupted or ceases to function, it may be necessary to **uninstall and reinstall the application software** using the latest version installation DVD.

To uninstall ODIS Service, go to **Start > Programs / All Programs > Offboard Diagnostic Information System Service > Odis Service uninstallation program**

If ODIS Service is uninstalled and subsequently reinstalled, the **license file** that was initially copied to/installed from the prepared USB flash drive **must be reinstalled**. If a recovery of Windows XP® is necessary, both the **license and certificate** files initially copied to/installed from the prepared USB flash drive **must be reinstalled**. As a result, it is important to **backup all license and security certificate files**, and retain the **Master List** record of the individual hardware keys for future support reference.

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Note:

*The following instructions are based on the **Device ID** and **Record-Keeping** method suggested in the **Phase 1 Instructions – Section 3.0**. If an alternate record-keeping method was chosen, backup the license and certificate files accordingly and inform key service personnel.*

5.2 – Backup Device ID Folder on Diagnostic Device

Perform the following procedure on all individual devices on which ODIS Service was installed:

1. Insert prepared USB flash drive with **Master List** and **Device ID** folders into an available port on a diagnostic device.
2. **Note** the **Device ID** of the device.
3. **Open** the USB flash drive directory and locate the device's **Device ID** folder.
4. **Copy** the device's **Device ID** folder and **Paste** it to the Windows desktop or location of your choosing on the device.
5. Rename the pasted folder: “**ODIS Service Backup Files**” (or similar).
6. Safely remove / eject USB flash drive and retain.
7. Inform key service personnel and urge technician users to not tamper with the backup folder.

5.3 – Backup USB Flash Drive

1. Obtain additional, empty USB flash drive.
2. Insert empty USB flash drive into an available port on any PC or laptop.
3. **Rename** the USB flash drive: “**ODIS Service Backup**” (or similar).
4. Insert prepared USB flash drive with **Master List** and **Device ID** folders into an available port on the PC or laptop.
5. **Copy** the **Master List** and **Device ID** folders to the additional USB flash drive.
6. Retain both USB flash drives in a safe location and inform key service personnel accordingly.

☐ **Post-Installation Backup steps completed**