Service Information

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VAS Tester	Number: AVT-14-04

Subject: VAS 6150C Diagnostic Laptop – Unpacking and Setup Instructions	Date: Jan. 29, 2014

Supersedes AVT-14-02 due to additional information.

Table of Contents

1.0 – Additional Documentation

These unpacking and setup instructions contain references to **Service Information (SI)** documents with additional instructions needed before placing the laptop into service. These documents are all posted on **ServiceNet.**

Locate and print the following documents to have on hand before proceeding with these instructions. Use the ServiceNet **"Search"** function to obtain the latest versions:

SI Doc. Category	Document Titles
VAS Tester	VAS Diagnostic Device Computer Name Builder
	VAS 5054A Transmitter Head - Bluetooth & EDIC Configuration - ODIS Service Only
	VAS 5054A Transmitter Head - USB Configuration - ODIS Service Only
ODIS Service	ODIS Service Installation Phase 1 - Preparation and License Request Instructions (eShop)
	ODIS Service Installation Phase 2 - Software Installation & Configuration Instructions
	ODIS Service Installation Phase 3 - Security Certificate Request & Installation Instructions

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2.0 – Safety Instructions

2.1 – Explanation of Symbols

Symbols with the following meanings are used in the safety instructions of the Operating Manuals, the startup/unpacking instructions and other documentation provided, in screen displays on the tester during operation and on the products themselves:

⚠️ *Warning!* — *Text with this symbol contains information regarding your safety and how you can reduce the risk of serious or fatal injuries. The **Warning** symbol deserves special attention with respect to your safety.*

🟡 *Caution!* — *Text with this symbol contains information on how you can prevent damage to the vehicle and to the device. The **Caution** symbol informs you that failure to comply with such information can result in damage to the vehicle and/or tester.*

ℹ️ **Note** — *Text with this symbol contains additional, useful information. The **Note** symbol indicates important information on the product, its use and other items.*

2.2 – Reference to Additional Safety Instructions

The following contains the general safety instructions that apply to all VAS diagnostic console, laptop and laptop devices. Additional safety instructions can be found in the applicable device Operating Manuals. It is thus important to read the device Operating Manual prior to use. Safety instructions may also appear on the screen of the tester and displayed by the diagnostic software. Heed all instructions displayed.

2.3 – Important Safety Instructions

> ⚠️ *Warning!*
>
> 1. Read all instructions.
> 2. If the power cable or unit is damaged, the equipment may be not used until inspected by a qualified technician.
> 3. Do not allow any cables or leads to drape over the edges of tables, benches or stands. Prevent hot parts or rotating fans from coming into contact with cables or leads.
> 4. Use of an extension cable is prohibited. When performing tests, only the specified cables and leads may be used.
> 5. Always unplug the equipment when it is not in use. Never unplug the power cable from the outlet by pulling on the cable. Grasp the connector to disconnect the equipment from the power outlet.
> 6. The tester may not be used in the vicinity of open fuel containers, as there is otherwise the risk of fire or explosion.
> 7. When you are working on internal combustion engines, ensure adequate ventilation. Otherwise, there is a risk of poisoning.
>
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> ⚠️ *Warning!*
>
> 8. Use the equipment only in the manner described. Use only the accessories listed by the manufacturer.
>
> 9. Risk of explosion. The equipment has spark-generating components inside and for this reason must not be used in areas with flammable vapors. The equipment should be operated at a height of at least 460 mm (18 inches) above the floor, since gasoline and other possible vapors collect at floor level.
>
> 10. The equipment complies with Safety Class 1 when under power and is equipped with a safety tested power cable. Connect the equipment only to electrical service or power outlets with a grounded protective conductor (TN network).
>
> 11. Fasten the diagnosis laptop securely to the rear seat of the vehicle during test drives. A second person on the rear seat must operate the diagnosis laptop. For safety reasons, operation on the front seat and without being fastened securely is prohibited (e.g. risk of triggering the airbag).
>
> 12. Electric ignition systems have voltages of up to approx. 30 kV. General Safety guidelines for workshops are to be observed at all times.
>
> 13. Opening of the tester, including its accessories, by unauthorized personnel can result in serious risk to the individual and the equipment.
>
> 14. If the power cable, a diagnostic or measuring cable, the tester or any other accessory under power is damaged, their use is prohibited until a qualified technician has given approval to do so.
>
> 15. If you will not be using the equipment for a longer period of time, please switch it off at the on/off switch and disconnect it from the power if the rechargeable battery is charged. Switching off at the on/off switch alone does not ensure that the power supply, charging circuit or any connected accessory has been disconnected from power.
>
> 16. Data transmission lines should not be connected or disconnected during a thunderstorm nor should the equipment itself be operated.

2.4 – Safety Instructions for Wireless Units

> ⚠️ *Warning!*
>
> 1. No antenna modifications, e.g. relocation or use of other antennas or transmitters, are permitted on units approved for wireless operation.
>
> 2. Do not use a portable transmitter (e.g. wireless network (WLAN) or Bluetooth device) in the vicinity of unshielded detonator caps or in an explosive atmosphere, unless the device has been modified in a way that permits such use.
>
> 3. Information regarding Bluetooth and W-LAN approval in various countries may be found in the diagnostic software operating manual.

> ⚠️ *Caution!*
>
> 1. Line voltage fluctuations and deviations exceeding the permissible tolerance can result in malfunction and damage to the diagnostic device.
> 2. When operating the VAS 6150C in a workshop cart, ensure that the power adapter has adequate ventilation. Remember that the charging circuit is operating even when the tester is switched off. This is also true in the power saving mode.
> 3. When connecting other make vehicles:
>   - The VAS 6150C diagnostic laptop was developed and specified for vehicles manufactured by the Volkswagen Group. Connecting the tester or remote diagnosis head interface directly to a vehicle from another manufacturer, may cause damage to the vehicle's electrical system.
>   - If attempting to use the generally applicable OBD functions for self-diagnosis of other make vehicles, the OBD adapter cable VAS 5052/16 should be connected between the diagnostic head and diagnosis connection in the vehicle.
> 4. When handling the rechargeable battery:
>   - The rechargeable battery should be replaced only by properly trained personnel.
>   - Never short-circuit the rechargeable battery.
>   - Never throw the rechargeable battery into a fire.
>   - Dispose of/recycle the rechargeable battery only when discharged and in accordance with local regulations.

3.0 – Important Information

3.1 – Shipping Damage / Incomplete Shipment

Please check the following items when unpacking/starting your VAS 6150C:

1. Packaging damaged:
   - Have the damage confirmed in writing on the shipping documents by the delivery service and report it immediately.
2. Packaging in good condition, but contents damaged:
   - Report damage to Snap-on immediately.
3. Incomplete shipment:
   - Please check the contents list as per instructions in **Section 5.0 – Contents of Carton** to determine whether your shipment is complete. Report issues to Snap-on immediately.

3.2 – Temperature Equalization

> ⚠️ *Caution!*
>
> If the VAS 6150C is delivered during winter months, efforts must be made to prevent the formation of condensation within the device. For this reason we recommend the device be left unattended at room temperature for approximately 3 hours prior to connecting/switching on for temperature compensation purposes.

3.3 – Safety and Startup Instructions

Please read the safety and startup instructions carefully prior to startup.

3.4 – Purchase Documentation

Please retain your shipping documents as proof of purchase and delivery.

3.5 - Additional Instructions

> ℹ️ Note
>
> - *These unpacking and setup instructions include cross-references to other* **Service Information** *documents with additional instructions needed prior to placing the laptop into service. These additional documents are all posted on* **ServiceNet.**
>
> - ***If you have not already done so, be prepared to locate the cross-referenced documents!***
>
> - *Print the documents if necessary and perform the necessary instruction steps* **before** *continuing with the remaining instructions in this document.*
>
> - ***Discard all printed copies of all documents, including this one, after use****. Revised versions may be issued at any time. Always check ServiceNet for the latest versions.*
>
> - *Be aware that as of the publication date of this document, new VAS 6150C are shipped with* ***Windows 7 operating systems.***

4.0 – Unpacking Instructions

The VAS 6150C is delivered with the laptop unit and docking station (port replicator) packed separately in the main shipping box.

1. Unpack all parts; then remove the protective film from the laptop and the docking station (port replicator).
2. Dispose of the packaging material in accordance with local regulations.
3. Check the contents for completeness as instructed in **Section 5.0 - Contents of Carton**.
4. In case of incomplete shipment, report the issue immediately to Snap-on (SBS).

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5.0 - Contents of Carton

Confirm your VAS 6150C shipment contains the following items (check the boxes provided):

☐ **1.** VAS 6150C

☐ **2.** Docking Station

☐ **3.** A/C Power Adapter/cables

☐ **4.** VAS 5054A Transmitter Head

☐ **5.** VAS 5054A USB Cable[1]

☐ Rechargeable Battery[2]

☐ Operating Manuals for CF-53 laptop and docking station[2]

☐ Service Manager cover letter[2]

[1] With "Rugged USB 2.0 secure laptop connection.
[2] Not shown.

6.0 - Install Rechargeable Battery Pack

⚠ Caution!

When handling the rechargeable battery:

- The rechargeable battery should be replaced only by properly trained personnel.
- Never short-circuit the rechargeable battery.
- Never throw the rechargeable battery into a fire.
- Dispose of/recycle the battery only when discharged and in accordance with local regulations.

Remove battery from its packaging and install as follows:

1. Turn the laptop over and press the "**Push**" mark on the battery compartment cover, then slide and remove cover **-arrow-:**

2. Slide the battery pack into the compartment until it connects firmly with the contacts **-arrow-**, then replace the battery compartment cover:

⚠ *Caution!*

Ensure battery compartment cover snaps into place. Otherwise, the battery pack may fall out during transport.

ℹ **Note**

For optimum battery performance and service life, please heed the battery charging and recalibration instruction documents included with the Panasonic program suite. After 6160C set up is completed and the diagnostic software is installed /configured etc., locate the documents as follows:

1. *From the Windows desktop, go to* **Windows (Start) > All Programs > Panasonic > Online Manuals**

2. *Select* **Important Tips** *or* **Reference Manual**

7.0 – Connecting to Power

The laptop is connected to power either via the docking station (port replicator) connection to the A/C power adapter, directly via the A/C power adapter or run from the internal rechargeable battery pack.

⚠ *Caution!*

- The A/C power adapter includes a country-specific power cable (UL-approved or CSA-approved, oil-resistant power cord).
- Operation on ungrounded or impedance-grounded electrical networks (IT electrical networks) is prohibited.
- Use only the original Panasonic CF-53 power adapter. For additional information (part number etc.), refer to the CF-53 Operating Manual.

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8.0 – Initial Start and Windows® Setup

8.1 – Preparation

Initial startup must be performed with the **laptop removed from the docking station (port replicator)** and the **wireless switch** in the **OFF** position. Additional information can be found in the Panasonic CF-53 Operating Manual.

1. Open the access cover located to the right of the rechargeable battery cover and confirm the laptop wireless operation switch is in the **OFF** position **-arrow-:**

2. Connect the A/C power adapter cable to a 115V A/C outlet and the **DC IN 15.6V** port **-arrow-** on the right side of the laptop:

8.2 - Interface Connections

For additional information, on interface connections, refer to the Panasonic CF-53 and docking station (port replicator) Operating Manuals.

8.3 - Switching the Unit On and Off

Switch on the laptop by pressing the on/off button for approximately 1 second. The laptop boots up and the initial Windows Welcome screen appears.

⚠️ *Caution!*

- *When switching the tablet off after normal use,* **DO NOT press and hold the on/off button for longer than 5 seconds!** *This executes a forced shutdown which may result in hard drive faults.*

- *To switch off the laptop after normal use, click the Windows* **"Start"** *symbol from the desktop and then select* **"Shut down"**
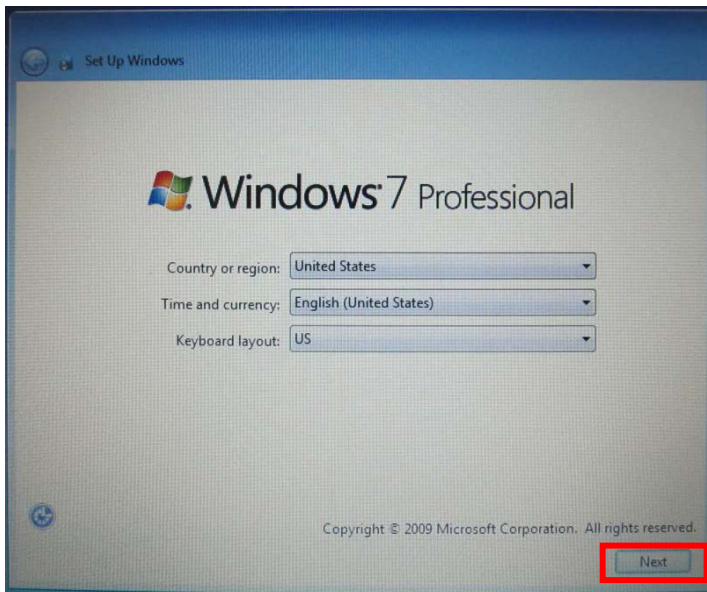

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After the initial Windows setup screens are displayed…

1. **Carefully** scroll down and select **My language is English:**

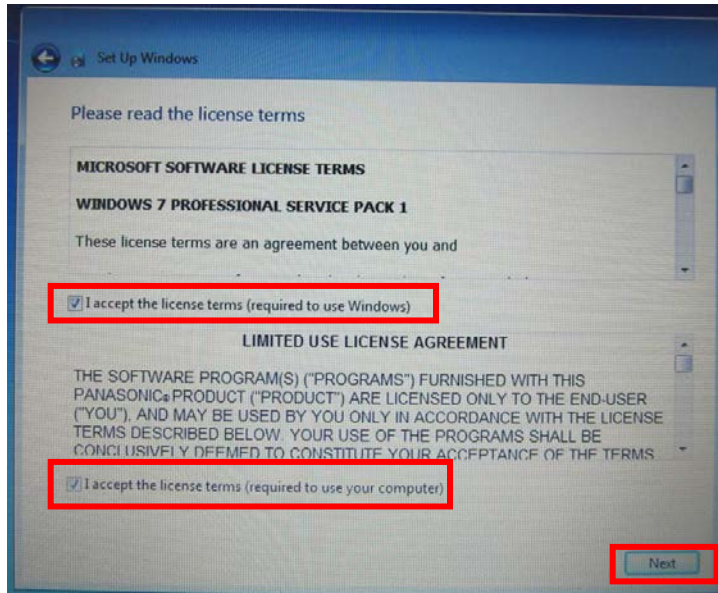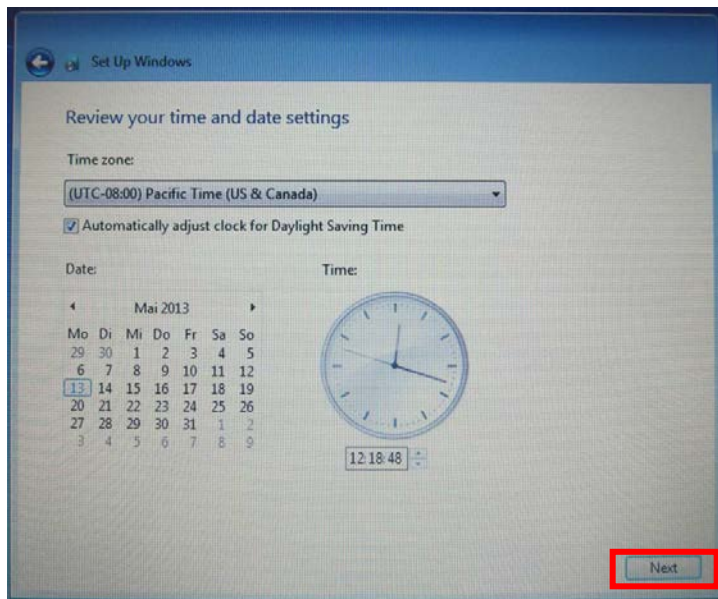2. Confirm the regional settings and click **Next**:

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3. Accept the license conditions by checking the appropriate boxes and click **Next:**

4. Set the **Time Zone, Daylight Saving Time, Date** and **Time** as applicable to your location and click **Next**.

5. If a **Wireless Network configuration** prompt appears, select **Skip**.

   Various settings are saved and the device automatically reboots to the Windows desktop.

6. When the desktop reappears, perform all additional setup and diagnostic software installation steps **in order**, as specified in **Sections 8.5 through 11.0.**

Have the additional Service Information documents specified in Section 1.0 on hand.

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8.5 – Delete Non-Applicable Information
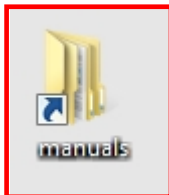

Note

The Windows desktop on new devices includes two documents containing information that is not applicable to the -US/CDN- market. ***Please delete these documents as instructed below.***

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1. From the Windows desktop, locate two document shortcut icons entitled:

   HowTo Guide_ODIS Service Set-Up_EN and **HowTo Guide_ODIS Service Set-Up_DE:**

2. **Right click** each shortcut icon and select **Delete** from the dropdown (one after the other).

3. When prompted to confirm file delete, click **Yes**.

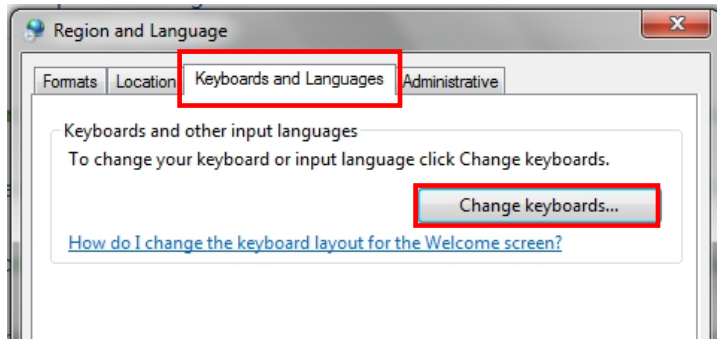4. From the Windows desktop, locate and **open** the **Manuals** folder:

5. **Delete** the **OffboardDiagService** folder:

8.6 – Confirm Keyboard Language

1. From the Windows desktop, go to: **Windows (Start) > Control Panel > Region and Language**

2. Select the **Keyboards and Languages** tab and click on **Change Keyboards**:

3. Confirm that the default input language is set to **English (United States) – US** (if necessary, select from the dropdown and then click **Apply / OK)**:
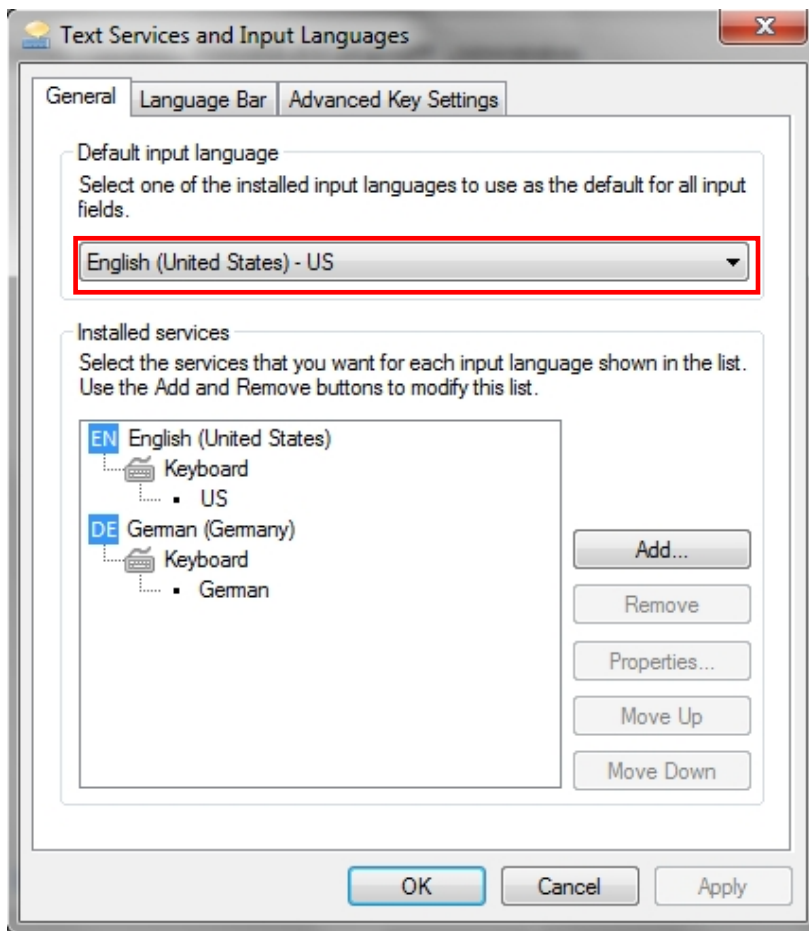
4. Close all remaining Windows.

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9.0 – Network Configuration & Netviewer

9.1 – Set Computer Name

ℹ️ Notes

- *If more than one VAS diagnostic console, tablet or laptop device is connected to the dealership network, each device* **must use a different computer name***.*

- *While various computer naming methods may be used, each must ensure that the computer names for all individual devices on the network are different.*

- *The computer name must be determined and set* **before** *using any vehicle diagnostic software functions that utilize the dealership network connection to the Internet.*

For a **suggested** method to build, set and validate computer names, refer to **Service Information – VAS Tester** document title: **VAS Diagnostic Device Computer Name Builder**

9.2 – Network Configuration

For dealership networks using **DHCP** for Internet access, no configuration is necessary (default setting is DHCP). Proceed with Netviewer installation below.

For dealership networks using **Static IP** configurations for Internet access, the necessary configurations must be performed before continuing with these instructions. Ask your dealership systems administrator or IT professional for details and assistance.

If the device is to be used over a wireless LAN connection, the necessary configuration should be performed at this time.

9.3 – Download and Install Netviewer Software

ℹ️ Note

Netviewer telediagnosis software enables Audi support personnel to access your device remotely during support call consultation. When necessary, consultants will instruct you to start the Netviewer application, and they will provide a session number to start a remote diagnosis session.

Prerequisite:

☐ *Diagnostic device is able to connect to internet in order to logon to ServiceNet (DHCP, or static IPs enabled as per Section 6.1.4).*

1. Connect network/Ethernet cable to diagnostic device.

2. Launch **Internet Explorer** and logon to **ServiceNet**.

3. Navigate to the **Workshop Equipment > VAS Tester > Software** section.

4. Right click / select the link: **Netviewer one2one – Telediagnosis Software**.

5. **Save** file to Windows desktop.

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> ### Note
>
> *Prior to installing ODIS Service,* **a number of additional Windows files must be configured via a network connection. This takes place via a restart with a network connection.**
> **Failure to perform the steps below will result in an "Insufficient memory…" error during ODIS Service installation.**

Prerequisite:

☐ *Diagnostic device is able to connect to internet. Ethernet cable connected or wireless LAN enabled.*

1. From the Windows desktop, select **Windows (Start) > Restart**

2. **Wait** while various Windows files are configured prior to shut down and during restart.

Allow 15 – 20 minutes for this additional configuration (device and network bandwidth dependent).

9.5 – Additional Information

Before proceeding to use the VAS 6160C, please read the **"Panasonic CF-53 Series Operating Manual"**, containing additional important information regarding the unit, its accessories and its care.

> ### Note
>
> *If users are not familiar with Windows 7 features, navigation and functions, we recommend reading the various information resources included with the software: From the Windows desktop go to* **Windows Start > Getting Started > Discover Windows 7** *…as well as the additional topics listed.*

10.0 – Install Offboard Diagnostic Information System Service (ODIS Service)

10.1 – General Information

Dealerships are responsible for requesting an ODIS Service license, and then installing and configuring the latest "installation version" of ODIS Service available.

A security certificate to enable vehicle Software Version Management (SVM) and module adaptations must also be requested and installed.

For detailed instructions, refer to **Service Information - ODIS Service** document titles (in order of use):

- **ODIS Service Installation Phase 1 - Preparation and License Request Instructions (eShop)**
- **ODIS Service Installation Phase 2 - Software Installation & Configuration Instructions**
- **ODIS Service Installation Phase 3 - Security Certificate Request & Installation Instructions**

Note

Before proceeding to Section 11.0, *prepare the laptop, request the license, install and configure the latest version of ODIS Service etc.* **in phase order,** **exactly as instructed** *in the three* **Service Information** *document titles specified above!*

11.0 – VAS 5054A Transmitter Head Setup

11.1 – General information

The VAS 6150C is equipped with a Bluetooth® (wireless) interface for operation of the supplied VAS 5054A Transmitter Head:

The VAS 5054A is powered by the vehicle Data Link Connector (DLC) when connected, and communicates with the laptop and the diagnostic software via Bluetooth (wireless) mode or supplied USB cable via USB mode.

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11.2 – Windows Bluetooth & EDIC Configuration

Bluetooth (wireless) operation is possible only with the laptop wireless operation switch in the **ON** position. Visible confirmation of wireless operation is via the wireless operation indicator on the upper LED array adjacent to the laptop carrying handle.

Prior to first use of the VAS 5054A and ODIS Service in Bluetooth (wireless) mode, the VAS 5054A must be configured to the Windows Bluetooth and EDIC software on the laptop.

ODIS Service must be installed before Windows Bluetooth and EDIC software configuration.

For detailed instructions refer to **Service Information - VAS Tester** document title: **VAS 5054A Transmitter Head – Bluetooth & EDIC Configuration – ODIS Service Only.**

11.3 – VAS 5054A USB (cabled) Operation

If the laptop is used to perform **Software Version Management (SVM)** flash procedures or **ant-theft immobilizer adaptations**, a USB (cabled) connection must be used between the VAS 5054A and the laptop. This ensures an uninterrupted data stream.

Prior to first use with a USB cable, the laptop and transmitter head must be configured for USB (cabled) operation.

For detailed instructions refer to **Service Information – VAS Tester** document title: **VAS 5054A Transmitter Head - USB Configuration – ODIS Service Only**

ℹ️ Notes

- *For USB (cabled) connection of VAS 6150C to VAS 5054A, the supplied USB cable is of the **Rugged USB 2.0** type. A circular, secure (locked) laptop connection is used.*

- *To connect, line up the two dots and insert the connection straight into the Rugged USB 2.0 port on the rear of the laptop -arrow A-:*

- *To disconnect, release the connector lock by sliding the locking collar away from the laptop -arrow B-:*
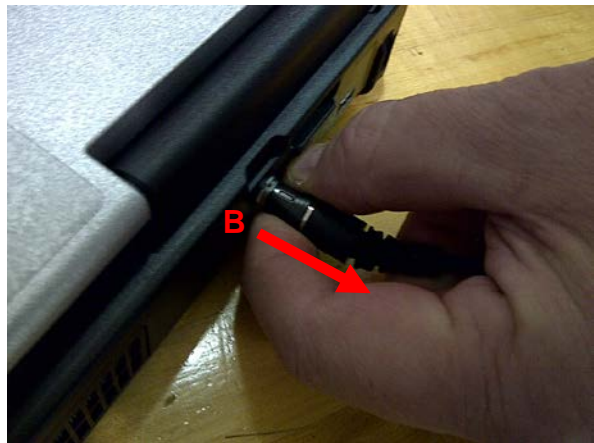
12.0 – Warranty Registration

A formal warranty registration process for new laptop for warranty coverage is no longer necessary.

The device serial number was automatically registered with the US/CDN market service provider for warrantable repairs at the time of purchase.

In case of warranty repair requests, please provide the serial number of the device to the **Audi DTSS consultant** at the toll-free number listed below.

13.0 – Malfunctions and Support

All VAS 6150C are tested before leaving the factory. Selected components and numerous quality control inspections ensure high reliability of your new diagnostic laptop.

Should performance or functional issues occur after placing the device into service, please attempt to identify and localize as accurately as possible. Try to determine if the symptom is a result of the Panasonic CF-53 laptop **hardware**, Windows **operating system**, ODIS Service **software** or dealership **network** (for internet connectivity). Then proceed as follows:

- **For laptop hardware and operating system issues**, consult the information in the "Troubleshooting" chapter in the Panasonic CF-53 Operating Manual.

  Also review the latest **VAS Tester FAQs** and **Service Information** document topics in the **Workshop Equipment – VAS Tester** section of **ServiceNe**t. The issue may be previously known and a resolution already published.

- **For ODIS Service software functional issues,** review the latest **ODIS Service FAQs** and **Service Information** document topics in the **Workshop Equipment – ODIS Service** section of **ServiceNe**t. The issue may be previously known and a resolution already published.

- If it is not possible to resolve the issue with the aid of the Panasonic CF-53 Operating Manual or ServiceNet documents, contact:

<div align="center">

Audi DTSS: 1-888-896-1298

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