Service Information

Audi
Truth in Engineering

VAS Tester **Number: AVT-13-20**

Subject: VAS 6160/A Diagnostic Tablets – Windows XP® System Recovery Instructions **Date: Oct. 4, 2013**

Supersedes AVT-13-03 due to updated information.

1.0 - Introduction

This document contains step-by-step instructions required to perform **Windows XP® operating system recovery** on **VAS 6160-VPC, 6160 and 6160A diagnostic tablets ONLY.**

Due to their function as diagnostic tools, **VAS diagnostic tablets** are equipped with a proprietary Windows XP® operating system. Unlike commercially-available Panasonic CF-D1 tablets, a partitioned hard drive is utilized.

The latest "installation version" of Offboard Diagnostic Information System Service (ODIS Service) must be reinstalled and configured along with the VAS 5054A Transmitter Head software after successful system recovery.

These instructions were validated using US/CDN market devices and software. The various operating manuals included with the tablet may contain information that is not applicable to the US/CDN market. For system recovery etc., the instructions provided here take precedent.

If you require assistance contact VWGoA Diagnostic Tester Software Support at 1-888-896-1298.

ATTENTION!

- **DO NOT USE the Panasonic installation CDs supplied with the diagnostic tablet for operating system recovery!** Use of the Panasonic CDs will completely erase the VAS-specific partition data and install a standard Windows XP® or Windows 7® tablet operating system.
- During the recovery process described here, all data on hard drive C:\ is erased. Only data on hard drive D:\ is retained.

Notes:

- *This procedure should be performed by an experienced user or IT professional.*
- *Please read this entire document before performing system recovery.*
- *Heed all prerequisite requirements and notes, and follow all instruction steps (including instruction steps cross-referenced in other documents posted on ServiceNet).*
- *Perform this procedure in an area that is quiet, clean and without distraction or interruption.*
- *We recommended a printed copy of these instructions be used during the recovery process.*
- *Allow approximately 2 hours to complete the recovery and software reinstallation procedure.*
- *Perform this procedure with the diagnostic tablet power supply adapter cable plugged in.*
- *During system recovery and subsequent rebooting, the diagnostic tablet must not be connected to the docking station (port replicator).*

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2.0 – Additional Documentation

These recovery instructions contain references to **Service Information (SI)** documents with additional instructions needed before placing the tablet back 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 2 - Software Installation & Configuration Instructions
	ODIS Service Installation Phase 3 - Security Certificate Request & Installation Instructions

3.0 – System Recovery

The system recovery process is initiated through the system BIOS. To enter the BIOS Setup, press the F2 key on startup when the Panasonic logo is displayed.

Prerequisites:

- ☐ *If possible, finalize all stored diagnostic sessions and transmit all saved diagnostic protocols prior to recovery.*
- ☐ *Diagnostic tablet **removed** from base station (port replicator).*
- ☐ *Wireless operation switch in the **OFF** position.*
- ☐ *Power adapter connected (do not attempt recovery on battery power alone).*
- ☐ *Ethernet (network) cable **disconnected**.*
- ☐ *USB mouse and keyboard connected for easier navigation and inputs.*

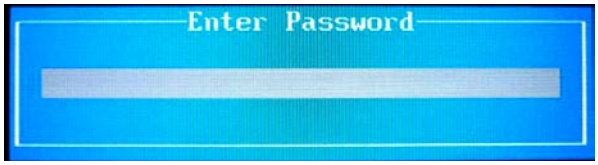
1. Turn on the diagnostic tablet.
2. When the Panasonic logo is displayed, press the **F2** key (on the USB keyboard) to enter the BIOS Setup.

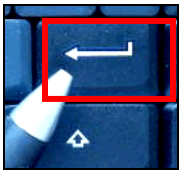


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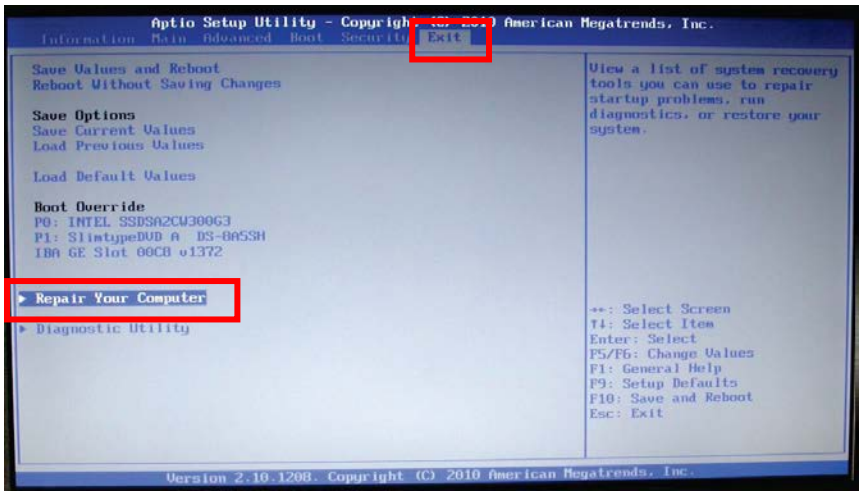
A BIOS password prompt appears:

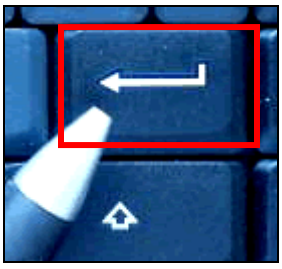
3. Enter BIOS password: **vas6160**
4. Press the **Enter** key.





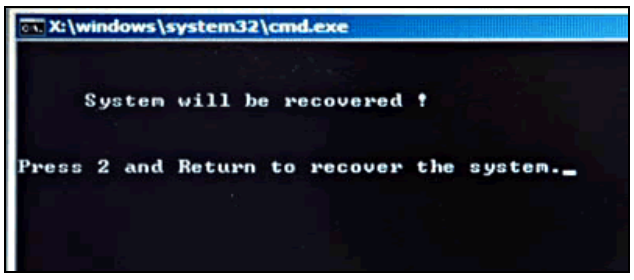
5. In the BIOS menu, use the right and left arrow keys to select the **Exit** tab:
6. Select either **Repair Your Computer** or **Recovery Partition** as applicable using the up and down arrow keys. Press the **Enter** key to continue:



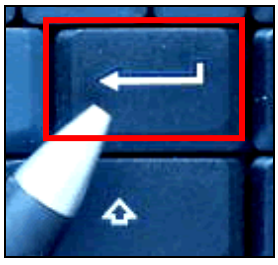


After the **Enter** key is pressed, the system recovery starts. After approximately 2 minutes, the message "**System will be recovered**" is displayed.

7. Press the "**2"** key (on the USB keyboard), then press **Enter** to continue:





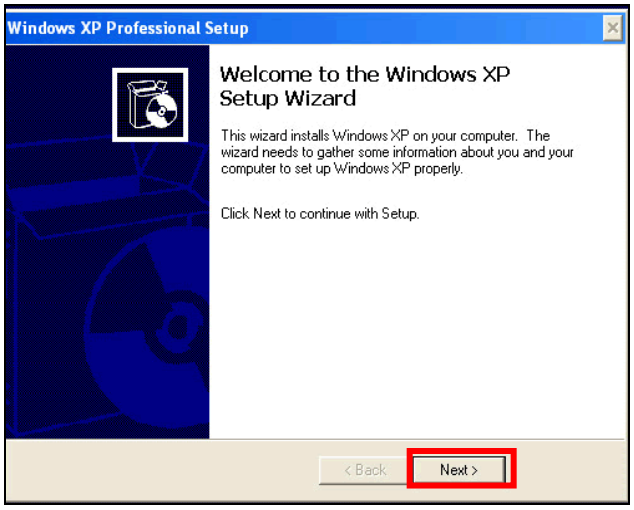


Recovery will take between 15 and 30 minutes. When complete, the system will reboot.

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7. After the system reboots, the Windows XP Setup Wizard is displayed. Click **Next** to continue:



8. Review the Regional and Language options, ensuring that **English [United States] (EN]** is set as default in all selections and tabs. Make changes if necessary. Then click **Next**.
9. Set the **Date, Time, Time Zone** and **Daylight Savings** settings as applicable to your location and click **Next**. The system saves various settings and then automatically reboots to the Windows desktop.
10. Disconnect the DC cable end of the power adapter from the tablet and connect to the base station (port replicator).
11. Mount the tablet in the base station (port replicator)
12. Perform the additional setup and diagnostic software installation steps specified in **Section 4.0.**

4.0 – Additional Setup & Diagnostic Software Installation

The following subsections describe additional steps needed prior to placing the device back into service.

Have the **Service Information** documents mentioned in **Section 2.0 – Page 2** on hand where applicable, and perform the following in the section order specified below.

4.1 – Set Computer Name

For detailed instructions refer to **VAS Tester – Service Information** document title: **VAS Diagnostic Device Computer Name Builder.**

4.2 – Network Configuration

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

For dealership networks using **Static IP** configurations for Internet access, the configurations must be renewed after installation/recovery. Ask your dealership IT professional for details and assistance.

If you are unsure of the type of network configuration used, ask your dealership IT professional, or contact the **VWGoA IT Service Desk** at **1-866-892-3375** for assistance.

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4.3 – Netviewer Installation

Prerequisite:

☐ *Diagnostic tablet is able to connect to internet in order to logon to ServiceNet (DHCP, or static IPs enabled as per Section 4.2).*

1. Connect network/Ethernet cable to tablet.
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.

4.4 – Reinstall and Configure ODIS Service

Prerequisites:

☐ *Device-specific **license file** on hand. (The license file was requested, and saved on a USB flash drive during the initial installation of ODIS Service - Phase 1).*

☐ *Device-specific **security certificate** on hand. (The security certificate was requested, and saved on a USB flash drive during the initial installation of ODIS Service – Phase 3).*

1. Reinstall ODIS Service. For detailed instructions refer to **ODIS Service – Service Information** document title: **ODIS Service Installation Phase 2 – Software Installation & Configuration Instructions**
2. Re-import security certificate. For detailed instructions, refer to **ODIS Service – Service Information** document title: **ODIS Service Installation Phase 3 – Security Certificate Request & Installation Instructions – Section 3.0 – Security Certificate Installation**

Note:

Dealerships are responsible for using the most up-to-date installation DVD and content update versions of ODIS Service. Once ODIS Service is reinstalled and configured, establish a connection to the dealership network (cabled preferred) and initiate the download and installation of the latest online updates.

4.5 – Renew VAS 5054A Bluetooth and EDIC Configurations

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

4.6 – VAS 5054A USB Configuration

Refer to **VAS-Tester - Service Information** document title**: VAS 5054A Transmitter Head - USB Configuration & Function – ODIS Service Only**

4.8 – Reinstall Anti-Virus Software (where applicable)

Reinstall anti-virus software as per your dealership's IT policy where applicable.

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