

Service Information

Workshop Equipment

Number: Indie-54ABEC

Subject: VAS 5054A Transmitter Head – Bluetooth® & EDIC Configuration

Date: Jan 06, 2012

1.0 - Introduction

During the initial setup of new **VAS 5052A tablet** and **VAS 6150 Class laptop** devices, the Bluetooth and vehicle systems-to-tester communications software (EDIC) must be configured for use with the included VAS 5054A Transmitter head.

If recovery of the Windows XP operating system and/or removal and reinstallation of the VAS-PC “Base” software is performed on VAS diagnostic tester **tablet** and **laptop** devices already in service, the Bluetooth and EDIC configuration of the previously-matched VAS 5054A transmitter head must **always be renewed and/or enabled**.

In some cases, removing and renewing the Bluetooth and EDIC configurations of a previously-configured VAS 5054A may resolve intermittent connectivity issues.

The following information describes all new configuration, as well as removal and renewal configuration steps, as well as additional information on USB (cable) connectivity and utility features. These procedures also apply to the configuration etc. of replacement VAS 5054A transmitter heads.

We suggest printing this document for use during configuration.

ATTENTION!

Depending on installed VAS-PC Base version, one of two EDIC configuration methods apply:

1. Base V19.01.00 and higher:

EDIC Software and Hardware configurations **are integrated with the VCI-Manager application.**

2. Base V15.00.00 through V19.00.00 *:

EDIC Software and Hardware configurations **take place individually via separate EDIC software & hardware applications.**

*** Applies to individual devices where non-current Base versions (i.e.: V15.00.00 – V19.00.00) are installed to perform diagnostics on older model year vehicles.**

Refer to the **Preparation & Bluetooth** section that follows. Prepare the devices as instructed and perform the **Bluetooth configuration** as applicable. Then determine and use the EDIC configuration method **as applicable to the installed Base version.**

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2.0 – Preparation & Bluetooth Configuration

2.1 – General Preparation

Prerequisites:

- New or previously configured VAS 5054A Transmitter Head on hand.
- No other VAS 5054A Transmitter Heads paired with other devices are in use in vicinity.
- VAS diagnostic tester **tablet** or **laptop** device connected to power adapter and powered up. (Do not attempt configuration on battery power alone).
- Vehicle available.

VAS 5052A Tablet: On-screen keyboard activated (for number entry), and USB mouse connected (for easier navigation).

- **VAS 6150 Class Laptop:** Bluetooth (wireless) switch in the **ON** position as applicable.

1. Note and record the entire serial number (S#) printed on the back of the transmitter head:

VAS 5054A Serial Number (S#):

2. From the Windows desktop, start the **VAS-PC** application.
3. From the VAS-PC main/start screen, note and record the **installed Base version number** as displayed on the application header:

VAS-PC Base Version #:

4. Shut down the VAS-PC application. **Note that configuration processes are not possible with VAS-PC running!**

2.3 – Bluetooth Configuration

Notes:

- When performed on a new diagnostic device being prepared for service, the initial Bluetooth configuration searches for, and adds a powered-up VAS 5054A transmitter head to the Windows Bluetooth application memory.
- During Windows XP operating system recovery the Bluetooth application memory and previous configuration is erased. As a result, the configuration must always be renewed after system recovery in addition to reinstallation of the Base and Brand software etc.

1. From the Windows desktop, go to **Start > (Settings) > Control Panel**.
2. From the Control Panel menu, select **Bluetooth Devices**.

VAS 6150 Class Laptop Prerequisite - Confirm Power Management Setting:

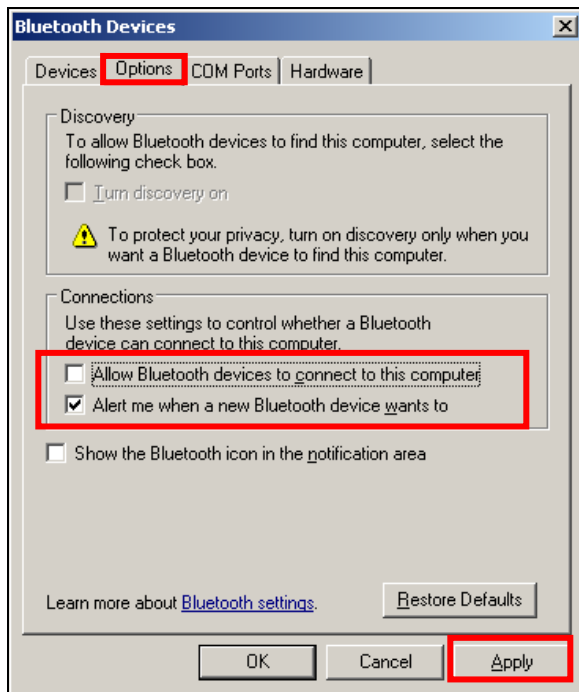
3. Select the **Hardware** tab.
4. From the **Hardware** tab display, right click (highlight) device name **Matsushita Bluetooth Controller** and click on **Properties**.

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5. If the **Power Management** tab is present, **select it**.
6. Ensure that **Allow the computer to turn off this device to save power** is **deselected**, and click **OK**.

All Devices - Continued:

7. Connect a battery maintainer/charger to a vehicle as per the manufacturer's directions.
8. Connect the VAS 5054A to the vehicle Data Link Connector (DLC). The blue LED on the transmitter head must.
9. Switch ignition on.
9. From the **Bluetooth Devices** dialog, select the **Options** tab.
10. Verify that **Allow Bluetooth devices to connect to this computer** is **NOT** checked, and **Alert me when a new Bluetooth device wants to** **IS** checked.
11. Click **Apply**.



Note:

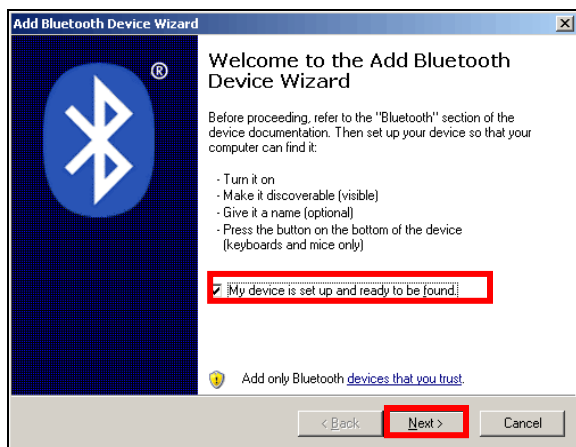
If a previously configured VAS 5054A and diagnostic were already in service, but experienced intermittent connectivity issues, **remove and renew** an existing configuration as follows:

1. From the **Bluetooth Devices** dialog, select the **Devices** tab.
2. Select/highlight the previously configured VAS 5054A with serial number. Click **Remove**.
3. Confirm entry is removed from the **Bluetooth Devices** window before continuing.

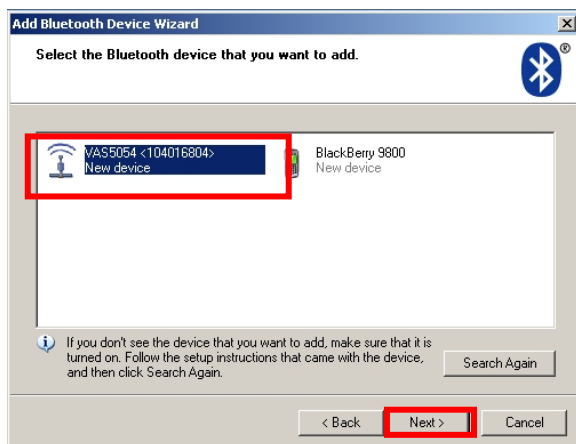
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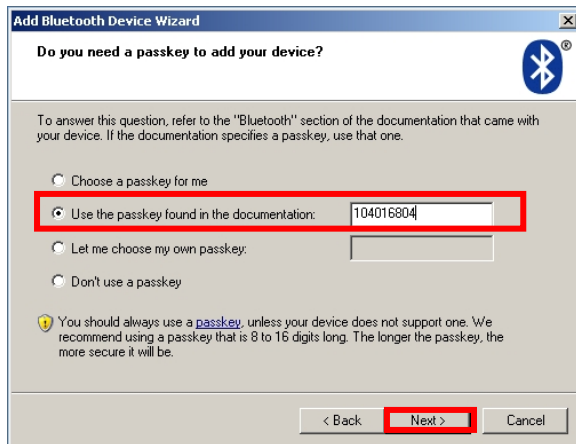
6. From the **Devices** tab, click **Add**.
7. Verify that **My device is set up and ready to be found** is checked. Click **Next**.



8. The **Add Bluetooth Device Wizard** displays all available Bluetooth devices found. If more than one Bluetooth device is displayed, i.e. cellular phone etc., left click – select (blue highlight) the VAS 5054A device with the serial number the same as recorded on **Page 2 – Step 2.1.1**. Click **Next**.



9. Check the selection **Use the passkey found in the documentation**. Enter VAS 5054A serial number noted and recorded on **Page 2 – Step 2.1.1** in the space provided. Click **Next**.

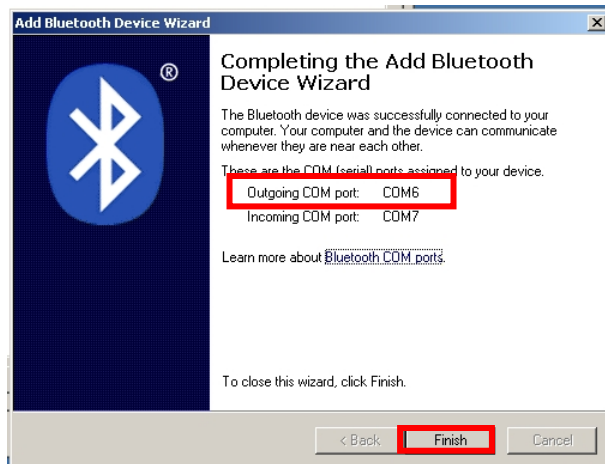


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10. Wait while Windows configures the Bluetooth connection and assigns COM ports.
11. Note and record the **Outgoing COM port** in the space below. Click **Finish**.

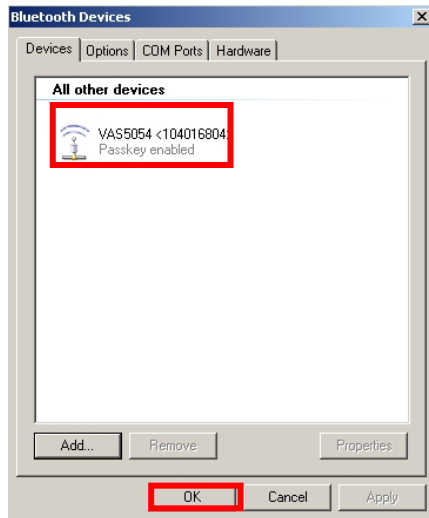
Note:

The COM port illustrated below is **an example only!** Each configuration is unique and it is important to record the exact value as displayed by the **Add Bluetooth Device Wizard** during your configuration.



Outgoing COM port: _____

12. Click **Finish** to close the **Add Bluetooth Device Wizard**.
13. The VAS 5054A now appears in the **Bluetooth Devices** window and its profile is saved in the Windows Bluetooth application memory. Click **OK**.



14. Refer to the **VAS-PC Base version number** recorded on **Page 2 - Step 2.1.3** and proceed with EDIC configuration in accordance with the installed Base version:

Devices with Base V19.01.00 and higher: > **Page 6 - Section 3.1.**

Devices with Base V15.00.00 through V19.00.00: > **Page 9 - Section 3.2.**



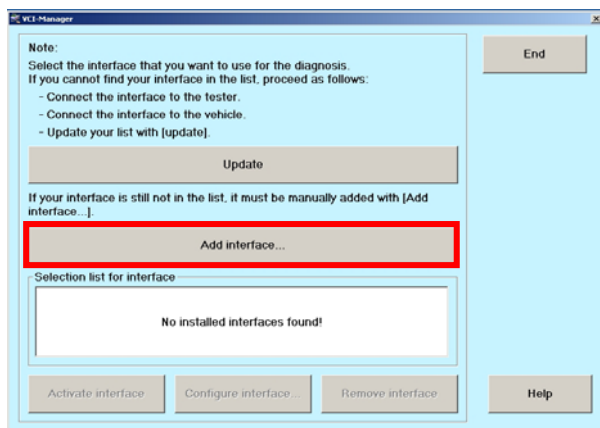
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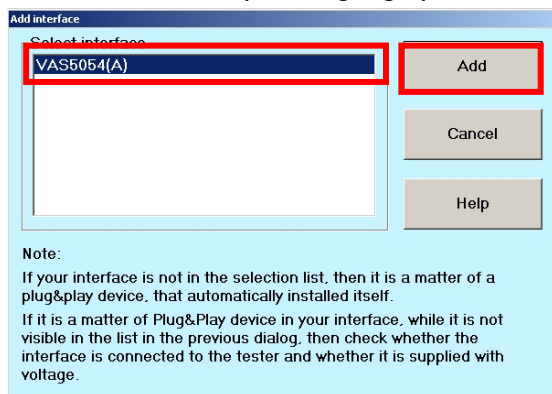
3.0 – EDIC Configurations

3.1 – Base V19.01.00 and higher – EDIC Configuration via VCI-Manager

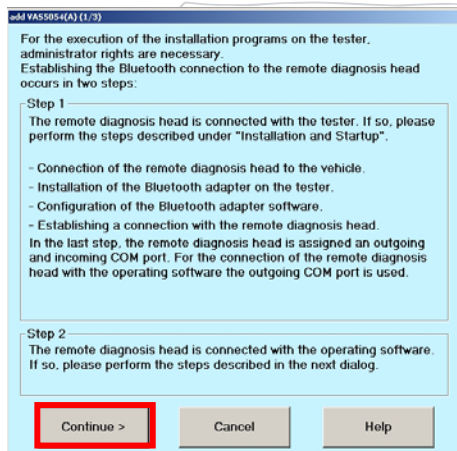
1. From the Windows desktop, double click the **VCI-Manager** program icon.
2. If an installed EDIC interface (VAS 5054A) is listed in the **Selection list for interface** display, select the item and click **Remove interface**. If an installed VAS 5054A is **not** listed, click **Add interface...**



3. Left click – select (blue highlight) **VAS5054(A)**. Click **Add**.



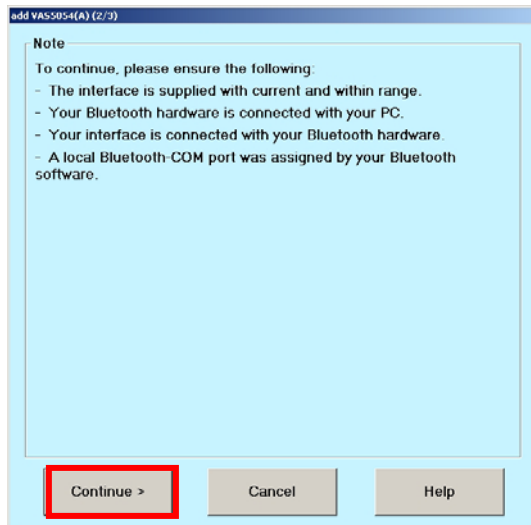
4. Review the process description as displayed. Click **Continue**.



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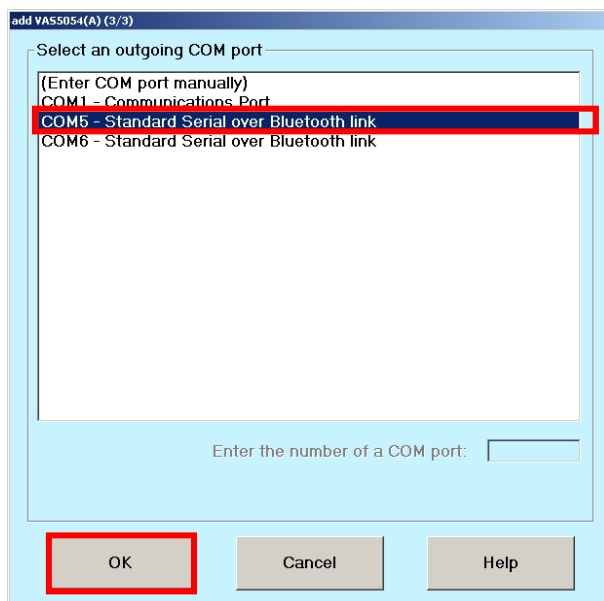
5. Confirm the technical requirements as displayed. Click **Continue**.



6. Left click – select (blue highlight) the COM port as noted and recorded during the Bluetooth configuration on **Page 5 – Step 11**. Click **OK**.

Note:

The COM port illustrated below is an example only! Each configuration is unique and it is important to select the exact value as displayed on the device and recorded during Bluetooth configuration.

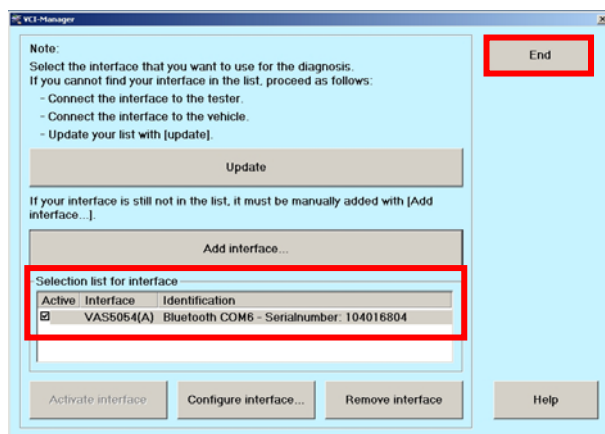


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- When the EDIC configuration is complete, the configured VAS 5054A and assigned COM port will appear in the **Selection list for interface** display. Click **End** to close the VCI-Manager.



- From the Windows desktop, start the **VAS-PC** application.
- Initiate a diagnostic function (VSD, GFF etc.) and confirm vehicle to diagnostic device communication.

3.1.1 – VAS 5054A USB Configuration

If the laptop is used to perform anti-theft immobilizer adaptations, a USB (cabled) connection must be used between the VAS 5054A Transmitter Head and the laptop, and a USB driver must be installed **prior to first use with the USB cable**.

For instructions on performing USB configuration, proceed as follows:

- Using a workshop PC or laptop connected to a printer, logon to your desired brand **erWin website**.
- Navigate through **Search > Manual Search > Category 1 - Special Tools Information (free)** and locate/print **Service Information** document title: **VAS 5054A Transmitter Head - USB Configuration & Function**.
- Perform all configuration steps as specified.

3.1.2 – VAS 5054A Utilities via VCI-Manager

From VAS-PC Base V19.01.00 and subsequent Base installations, the **Diagnostic Interface Utility functions** are **integrated with the VCI-Manager application**.

Use the VCI-Manager to control the VAS 5054A transmitter head buzzer and power off functions.

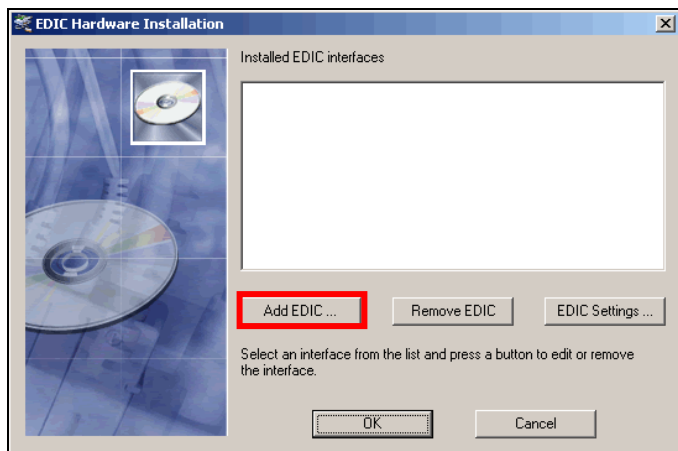
For additional information, refer to the **VCI-Manager Users Guide** (located in the **VAS-PC - Administration** menu item **Display User Documentation**).

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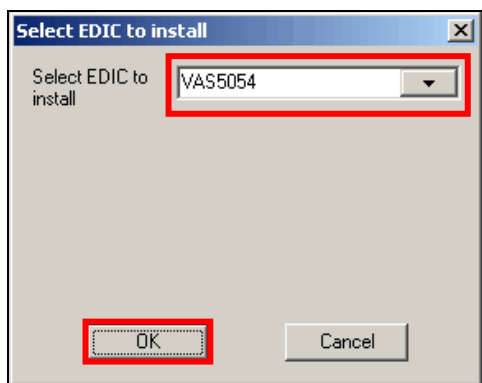
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3.2 – Base V15.00.00 through V19.00.00 – EDIC Configuration via EDIC Applications

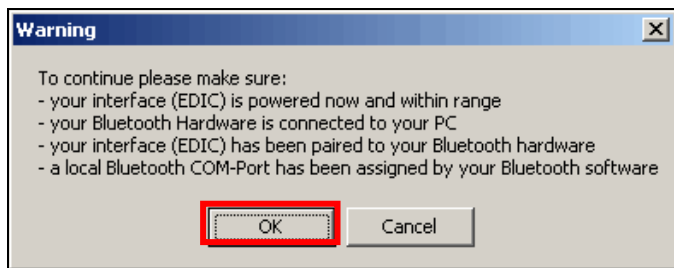
1. From the Windows desktop, double click the **EDIC Hardware Installation** program icon.
2. If an installed EDIC (VAS 5054A) interface **is listed**, select the item and click **Remove EDIC**. If an installed EDIC interface **is not listed**, click **Add EDIC**.



3. From the **Select EDIC to install** dropdown menu, select **VAS5054**. Click **OK**.



4. Confirm the technical requirements displayed. Click **OK**.



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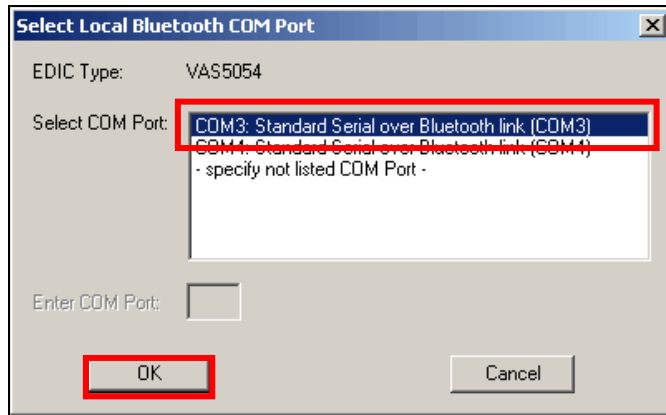
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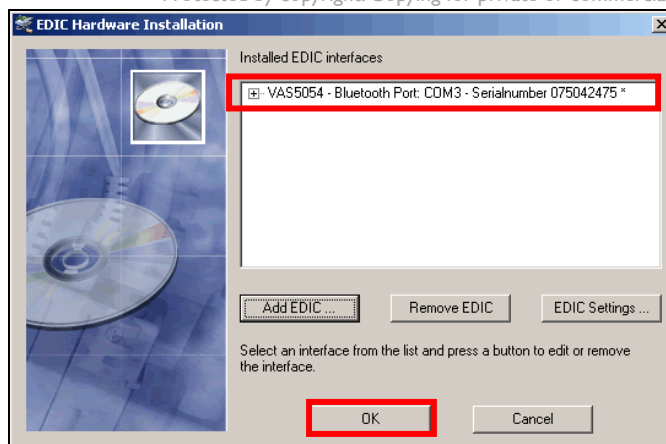
5. Select the **Outgoing** COM port, as noted and recorded on **Page 5 - Step 11**. Click **OK**.

Note:

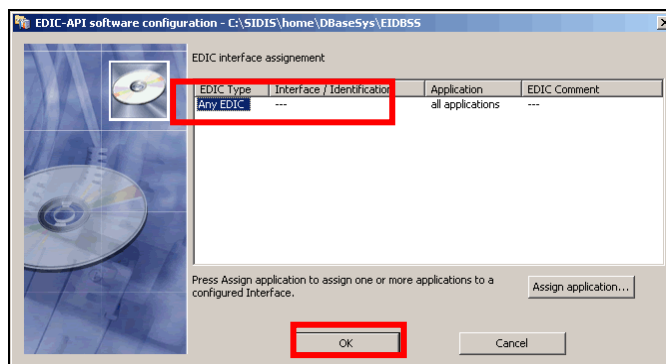
The COM port illustrated below is **an example only!** Each configuration is unique and it is important to select the exact value as displayed on the device and recorded during Bluetooth configuration.



6. Confirm that the VAS 5054 and serial number is now listed in the **Installed EDIC interfaces display**. Click **OK**.

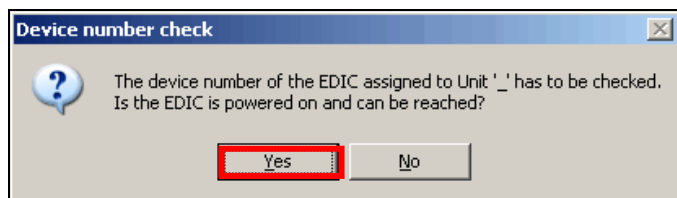


7. From the Windows desktop, double click the **EDIC Software Configuration** program icon.
8. Left click - select (blue highlight) **Any EDIC**. Click **OK**.



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9. Confirm that the transmitter head is powered up (blue LED flashing). Click **Yes**.



Notes:

- *EDIC configuration is successful when the **Device number check** window closes automatically.*
- *If a message stating **The device number could not be read!** appears, remove and reinsert the transmitter head into the vehicle Data Link Connector (DLC) and repeat the procedure.*

10. From the Windows desktop, start the **VAS-PC** application.

11. Initiate a diagnostic function (VSD, GFF etc.) and confirm vehicle to diagnostic device communication.

3.2.1 – VAS 5054A USB Configuration

If the laptop is used to perform anti-theft immobilizer adaptations, a USB (cabled) connection must be used between the VAS 5054A Transmitter Head and the laptop and a USB driver must be installed **prior to first use** with the USB cable.

For instructions on performing USB configuration, proceed as follows:

1. Using a workshop PC or laptop connected to a printer, logon to your desired brand **erWin website**.
2. Navigate through **Search > Manual Search > Category 1 - Special Tools Information (free)** and locate/print **Service Information** document title: **VAS 5054A Transmitter Head - USB Configuration & Function**.
3. Perform all configuration steps as specified.

3.2.2 – VAS 5054A Utilities

In addition to the EDIC Software and Hardware applications, installation of the VAS-PC Base software versions **V15.00.00** through **V19.00.00** includes two utility applications:

- **Diagnostic Interface Configuration Utility**
 - Use this utility to control the VAS 5054A transmitter head buzzer and power off functions.

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VCI (DTS) Systems Configurator
- For advanced support use only.

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