

Diagnostic Device Hardware & Windows®

Number: AHW-18-11

Subject: VAS 6154 Diagnostic Interface – In-Use Best Practices

Date: Nov. 28, 2018

Supersedes AHW-16-14 due to additional information

1.0 – Introduction

Please be aware of the following when using the VAS 6154 and its add-on modules and cables.

2.0 – Identifying and Switching Wireless Connection Modes

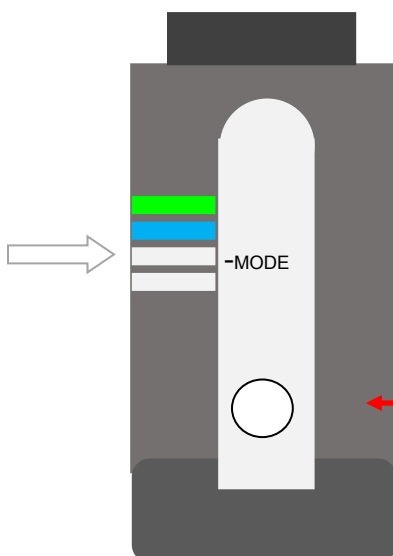
VAS 6154 will remain in the wireless connection mode that the previous user selected via the mode button. In most cases, the connection mode will be **WLAN Infrastructure** (where the diagnostic device and 6154 are connected to the dealership's wireless local area network (WLAN)).

However, if the previous connection mode was **WLAN Direct** (or WLAN Infrastructure and the mode button was unknowingly pressed and changed to WLAN Direct), and the next user wishes to use WLAN Infrastructure mode, it must be manually switched and confirmed.

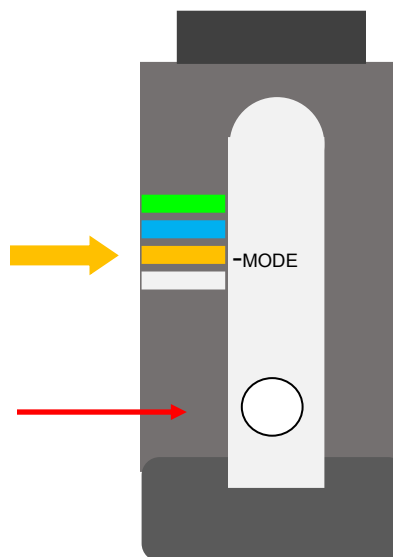
After plugging the VAS 6154 into a vehicle Data Link Connector (DLC), **use the MODE LED on the module** to determine its current connection mode. If necessary, use the mode button to switch between modes as desired. **Ref. Sections 2.1 and 2.2.**

2.1 – Connection MODE LED Indications

WLAN Direct mode is active when the MODE LED is OFF:



WLAN Infrastructure mode is active when the MODE LED is ORANGE:



Connection mode button

cont.

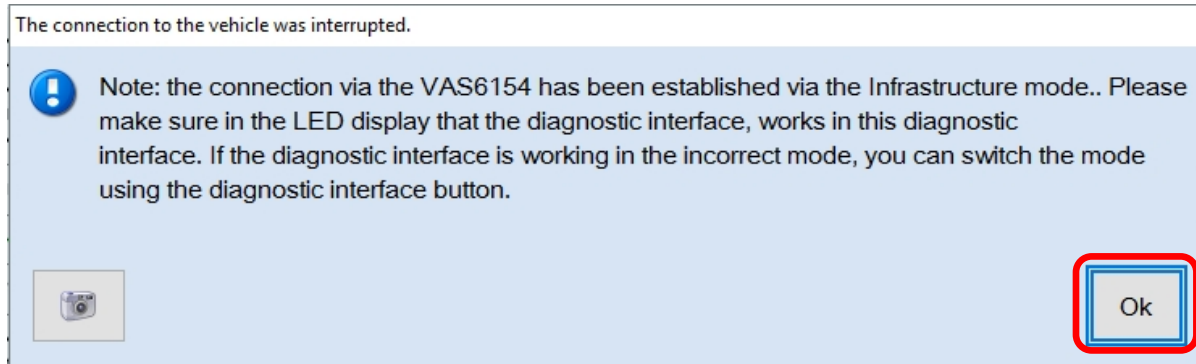
2.2 – Switching Between Connection Modes

The following example illustrates switching from **WLAN Direct** to **WLAN Infrastructure** mode.

Prerequisites:

- ☐ VAS 6154 plugged in to DLC and WLAN Direct mode activated: **MODE LED OFF**.
- ☐ VAS 6154 **must** have been previously configured to connect to the dealership WLAN and configured for WLAN Direct operation.
- ☐ ODIS Service diagnostic session started.

1. Briefly press the **MODE** button on the front of the module.
 - ☐ The module **beeps twice** and automatically reconnects to the previously-configured WLAN.
2. Click **OK**:



3. **Wait** while the ODIS Service Connection Mode Indicator automatically cycles from:



- ☐ The MODE LED on the module changes to **orange**.

To switch from WLAN Infrastructure to WLAN Direct mode, briefly press the MODE button and wait until the module **beeps once**. Then select the previously-configured VAS 6154 network displayed in the Windows WLAN connection dialog.

Confirm the WLAN Direct connection via the ODIS Service connection mode display:

- ☐ The MODE LED on the module is **Off**.



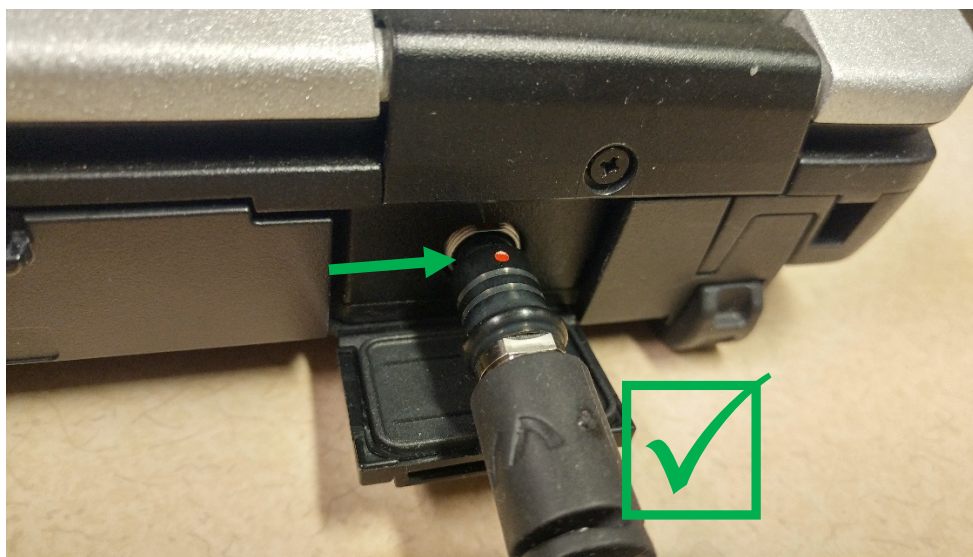
3.0 – USB Cable Connections

3.1 – USB Cable Connection to Diagnostic Device

- A red index mark on the USB cable connection ensures proper alignment during connection.
- The connection uses a locking mechanism to prevent accidental detachment during handling.

Failure to line up the red index mark on connection, and forcefully disconnecting the USB cable without releasing the locking mechanism results in non-warrantable cable and connector damage.

The red index mark must always face upwards when connecting:

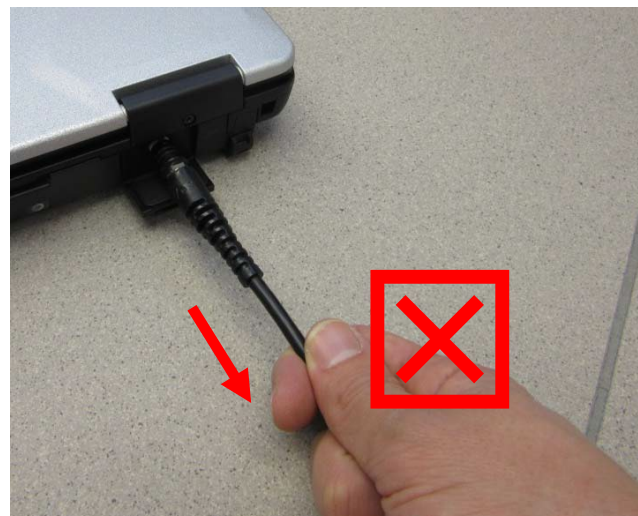
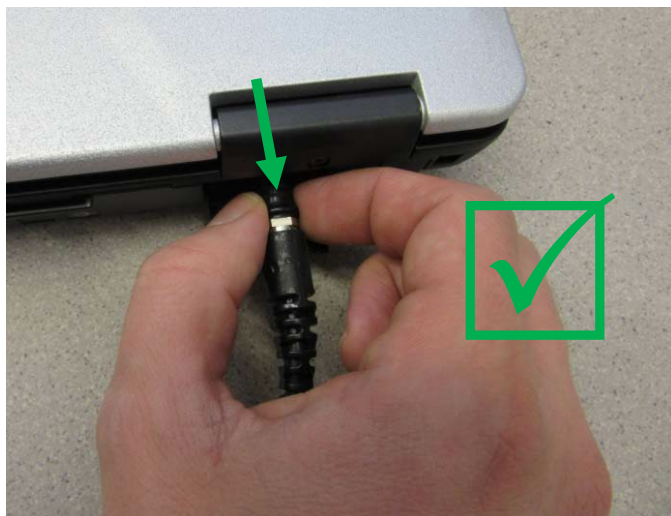


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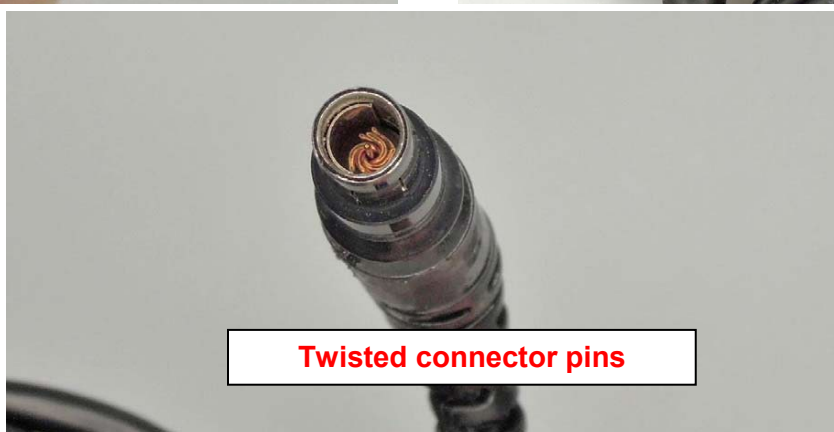
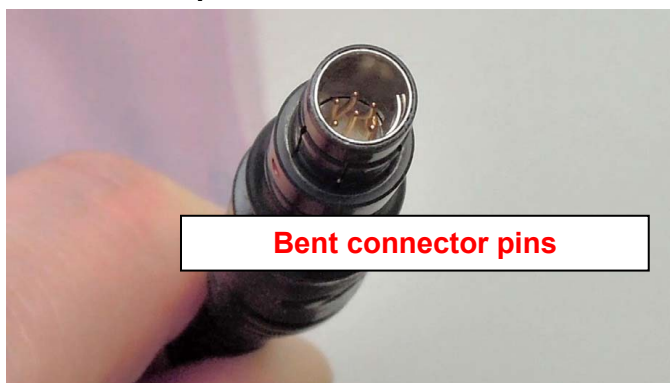
Service Information



Always slide the locking mechanism collar away from the device before disconnecting the cable.



Current examples of non-warrantable USB connection damage:

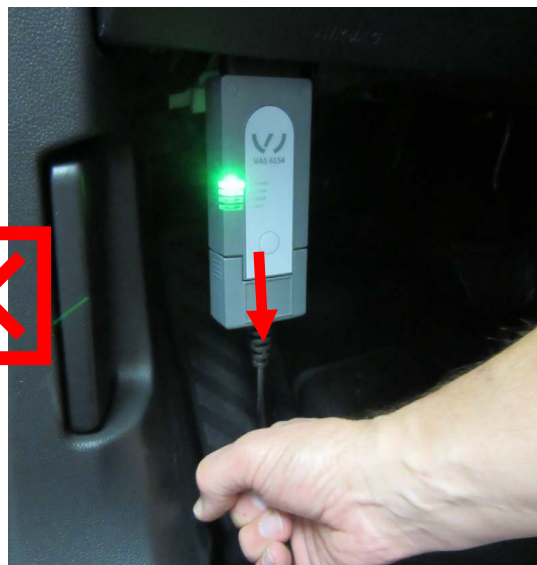


3.2 – USB Cable Connection to Diagnostic Interface Module

To prevent damage to the diagnostic module connectors and USB cable, always **grasp the module by its housing** and pull it straight out from the Data Link Connector (DLC).



Do not pull on the USB cable to disconnect the module from the DLC:



ATTENTION!

VAS 6154 and add-on modules /cables submitted for warranty replacement that exhibit signs of physical damage, damaged OBDII /USB connections, tampering, failed self-repair attempts etc., may be rejected by Actia.