

Workshop Equipment

Number: ATE-14-11

Subject: VAS 6356 Test Instruments Box – Software
Configuration – ODIS Service Only

Date: May 30, 2014

Supersedes ATE-14-02 due to deletion of Windows® XP references and additional information.

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1.0 – Introduction

Use the procedures in the following sections to configure and test a VAS 6356 Test Instruments box for use with a VAS diagnostic laptop or tablet with **ODIS Service**.

VAS 6356 software and USB driver files are automatically installed during the ODIS Service diagnostic software installation routine. **VAS 6356 software installation via separate CD is NOT necessary.**

The procedure extracts the pre-installed USB driver and network adapter files, and configures a network connection. Successful configuration is confirmed with connection and functions tests.

This document covers initial VAS 6356 configuration on VAS diagnostic laptop and tablet devices with **Windows 7** operating systems.

Notes:

- *The following procedures must be performed by **qualified personnel only!***
- *Please read these instructions in their entirety before performing these procedures. **If you do not have previous experience loading software or do not understand these instructions, arrange to have a qualified person perform the procedures.***
- ***The latest version of ODIS Service must be present or installed BEFORE proceeding with these instructions.***
- *If the VAS 6356 is to be used by more than one diagnostic device, the following procedures must be performed on **each** device.*
- ***Discard all printed copies of this document after use.** Revised versions may be issued at any time. Always check ServiceNet for the latest version.*

2.0 – Configuration

2.1 – Preparation

Laptop & tablet Prerequisites:

- ☐ Diagnostic device plugged in to power adapter (tablet in base station), booted to Windows desktop.
- ☐ The latest version of ODIS Service must be installed.

VAS 6356 Prerequisites:

Physical set up completed as per initial unpacking and setup instructions, i.e.:

- ☐ Test box plugged in to power adapter, blue LED on steady
- ☐ All test and measurement leads connected to test box
- ☐ USB cable on hand

2.2 – Procedure

2.2.1 – Extract USB Drivers

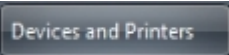
1. Connect USB cable between the test box and any available USB port on the laptop/tablet.

Windows will detect and install the necessary drivers automatically (a Windows installation message may appear during this time). No user intervention is necessary.

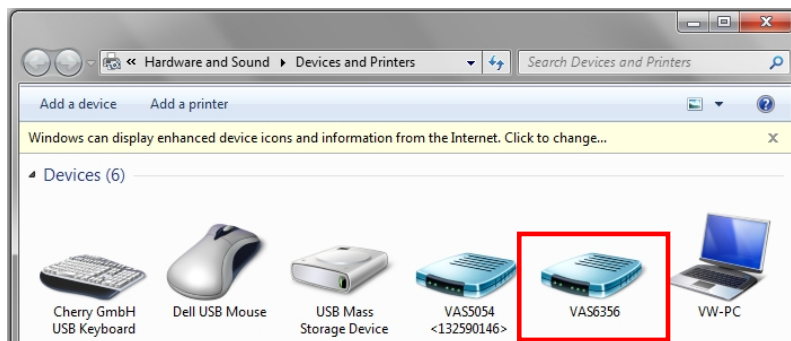
2. From the desktop, click the **Windows** (Start) button:



3. Select **Devices and Printers**:



4. Verify that **VAS6356** appears in the **Devices ()** section:



Note:

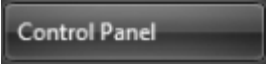
VAS6356 appears in **Devices and Printers** only when connected via the USB cable.

5. Close the **Devices and Printers** window.

6. From the Windows desktop, click the **Windows** (Start) button:

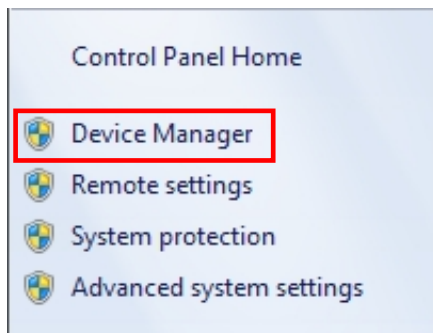


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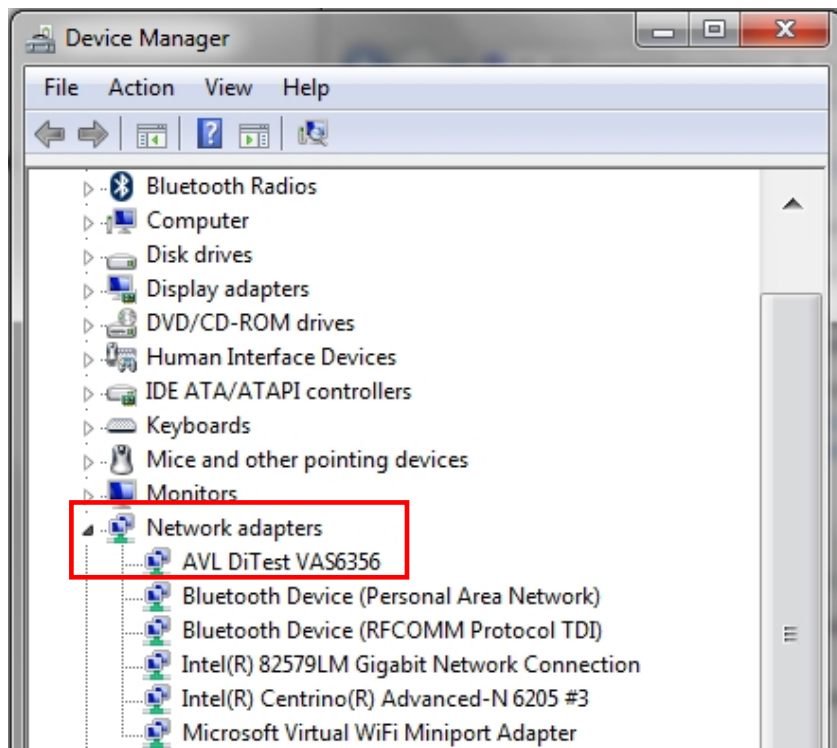
7. Select **Control Panel**: 

8. From the Control Panel menu, select **System**:  **System**

9. From the submenu, select **Device Manager**:



10. Expand (+) the **Network adapters** directory and confirm that **AVL DiTest VAS6356** is listed:



11. Close the **Device Manager** and **Control Panel** Windows

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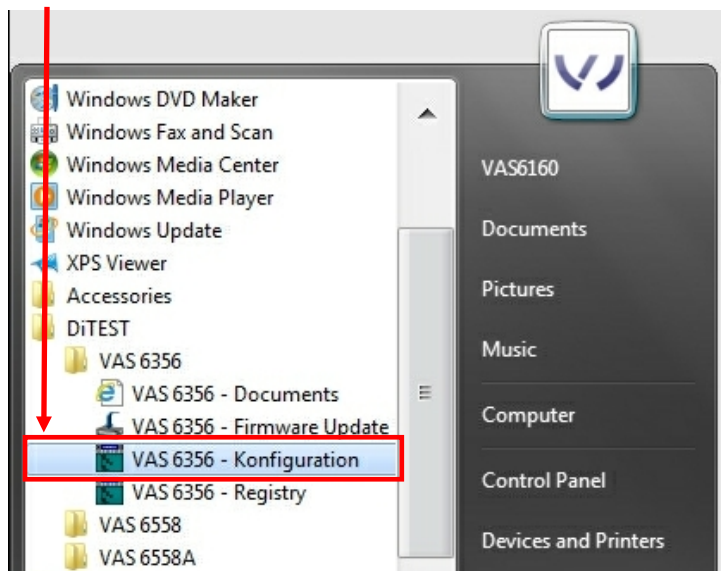
2.2.2 – Configure Network Connection

1. From the Windows desktop, click the **Windows** (Start) button:



2. Go to: **All Programs > DiTest > VAS 6356**.

3. **Right click** (select) **VAS 6356 - Konfiguration**:



4. From the selection dropdown menu, select **Run as Administrator**.

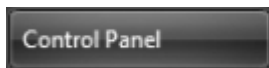
A very brief IP configuration routine runs and the window closes automatically.

5. **Briefly disconnect, and then reconnect** the VAS 6356 USB cable from the laptop/tablet USB port.

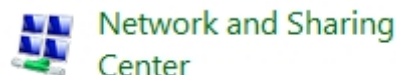
6. Wait a moment, and then click the **Windows** (Start) button:



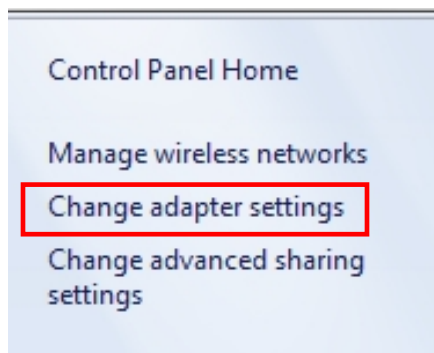
7. Select **Control Panel**:



8. From the Control Panel menu, select **Network and Sharing Center**:

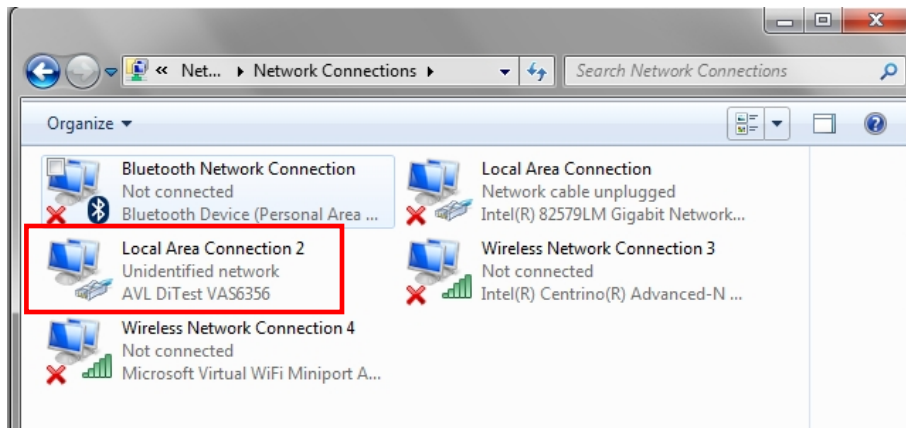


9. From the submenu, select **Change Adapter Settings**:



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10. Confirm that the **Local Area Connection 2** for **AVL DiTEST VAS6356** is present and is indicated as **connected** as an **unidentified network**. (If it is not present and connected, repeat Steps 1 - 5):



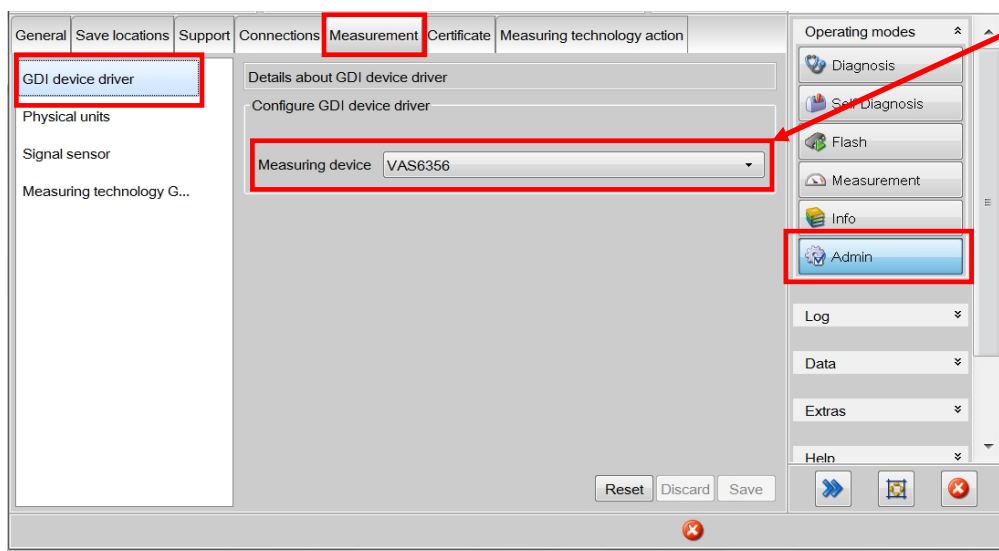
11. Close the **Network and Sharing** window.
12. **Test the connection.** Ref. Section 2.3 (below).

2.3 – Connection & Function Tests

The following tests confirm the **network IP** connection and **GDI Device Driver** functions.

2.3.1 – Connection Test

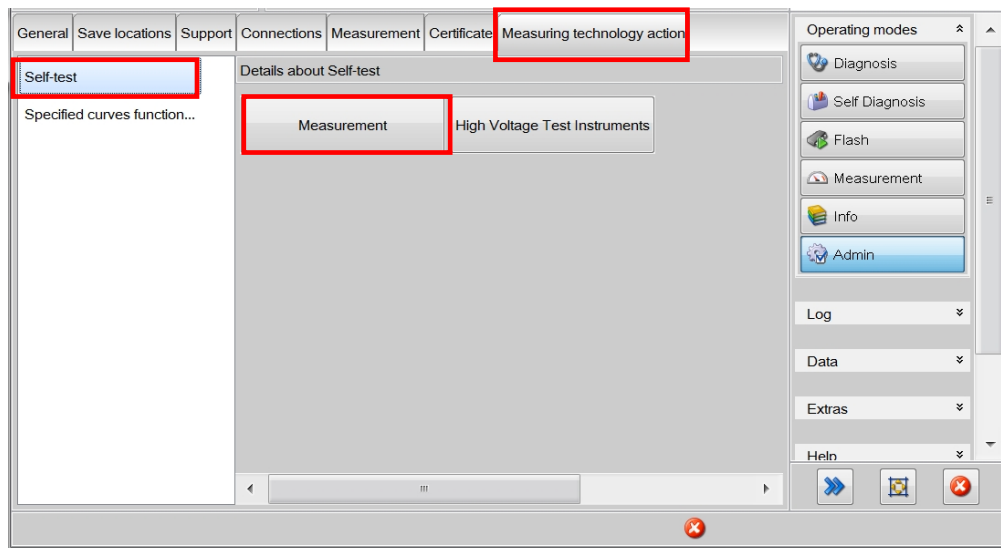
1. From the Windows desktop, click the **DiagStarter** icon and select **ODIS Service**.
2. Select the **Admin** operating mode.
3. Select the **Measurement** tab.
4. In the **GDI device driver** category, confirm **VAS6356** appears in the **Measuring device** selection:



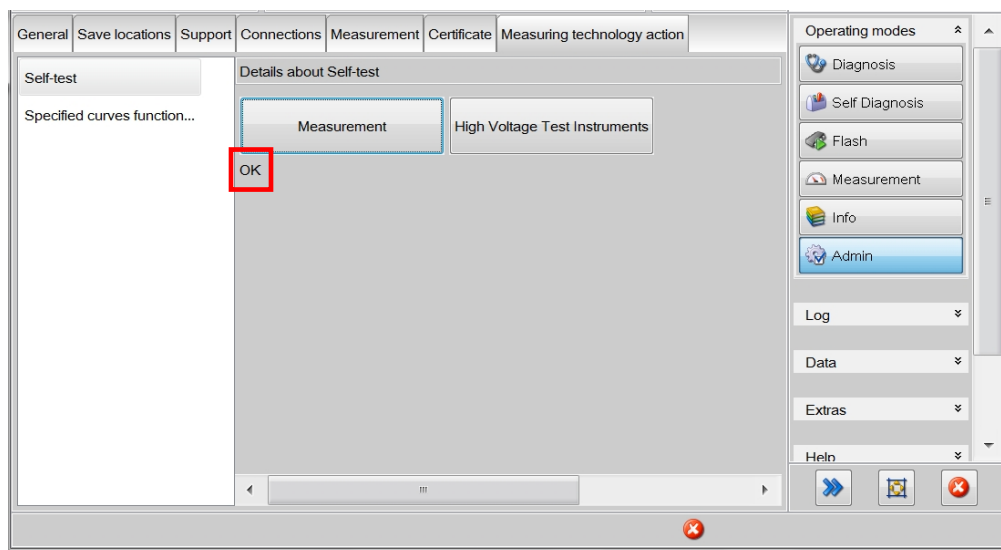
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5. Select the **Measuring technology** tab.
6. Click the **Self-test** category.
7. Click the **Measurement** button:



A successful test is indicated by the result **OK**:



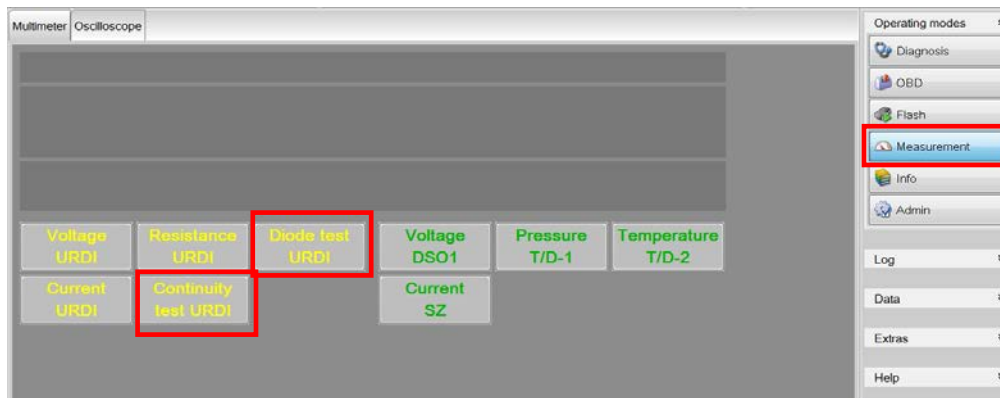
Note:

- In some cases the connection may be delayed and the test result will be **Not OK**. In this case, wait a moment and retry the test.
- In all cases, perform the **Function Test – Page 7**.

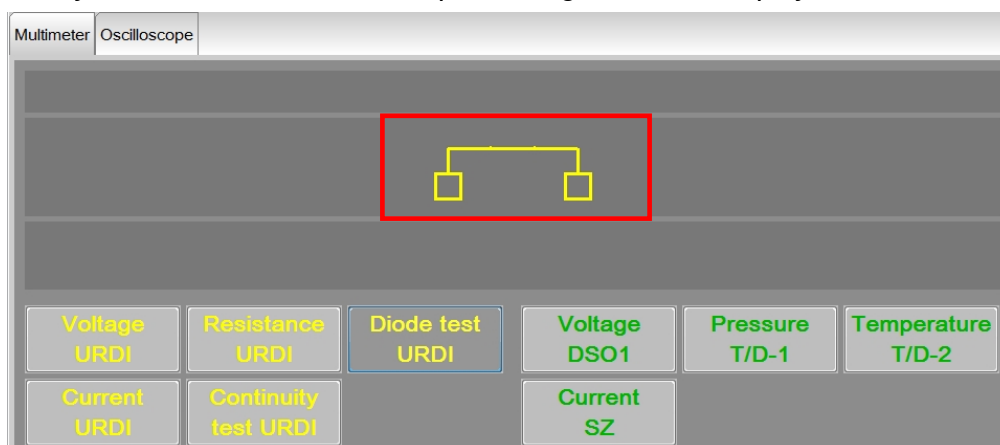
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2.3.2 – Function Test

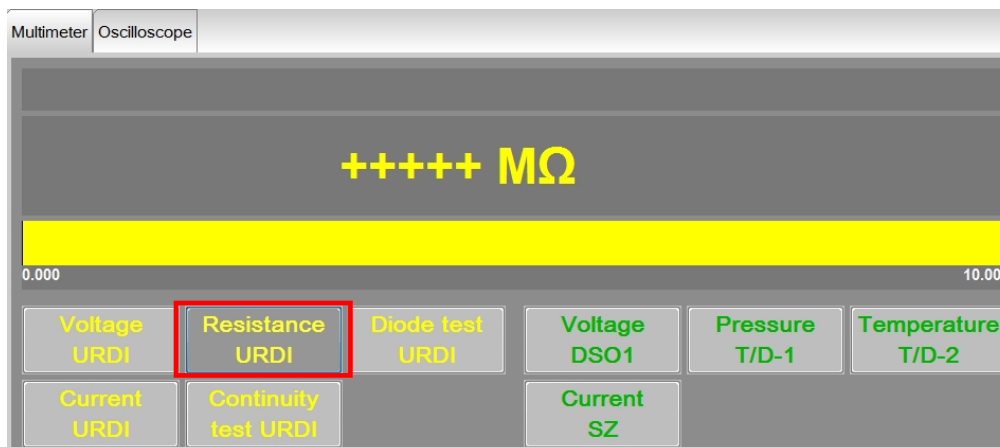
1. From the ODIS Service main/start screen, select **Measurement** (Multimeter functions are displayed by default). Select the **Diode test URDI** or **Continuity test URDI** mode:



2. Briefly touch the two URDI cable probes together. The display must show continuity as illustrated:



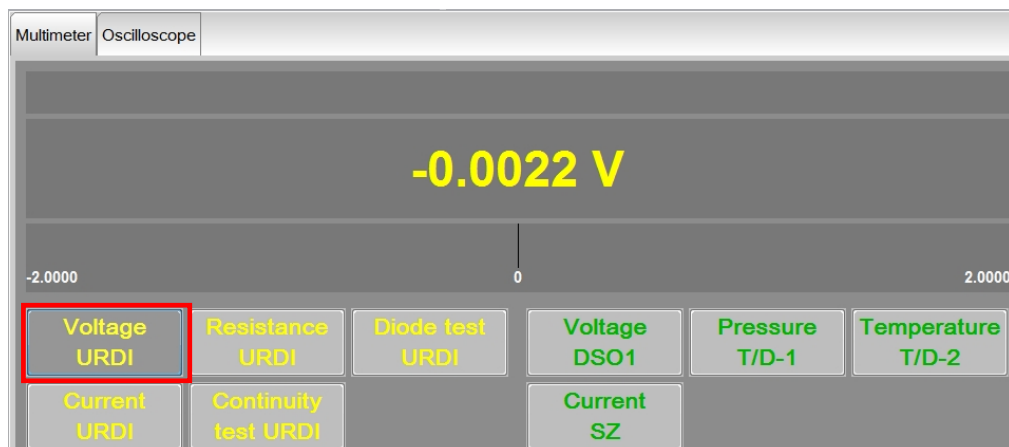
3. Select the **Resistance URDI mode**. Confirm the display is active:



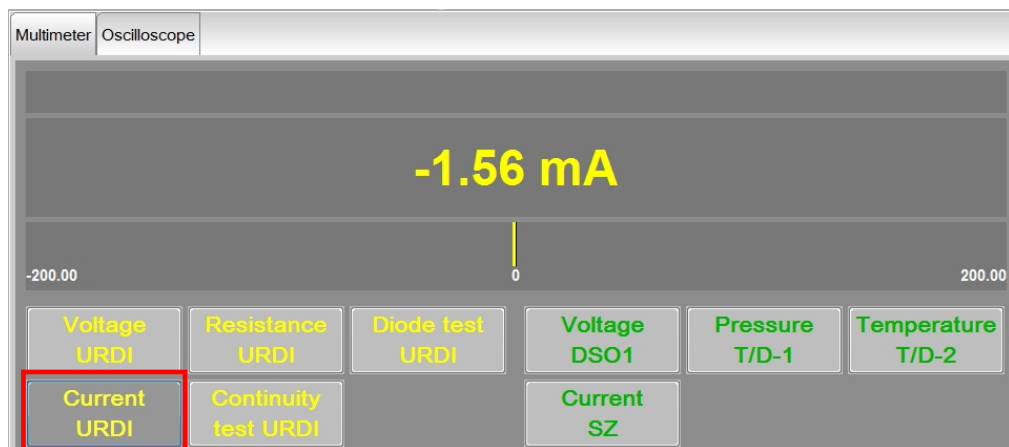
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4. Select the **Voltage URDI mode**. Confirm the display is active:



5. Select the **Current URDI mode**. Confirm the display is active:



The VAS 6356 is ready for use with the laptop/tablet.

For instructions on using test instrument functions, refer to the **ODIS Service User's Manual**. Go to: **Windows (Start) > All Programs > Offboard Diagnostic Information System Service > Manual > manual_service-XX_US.pdf > Section 10.**