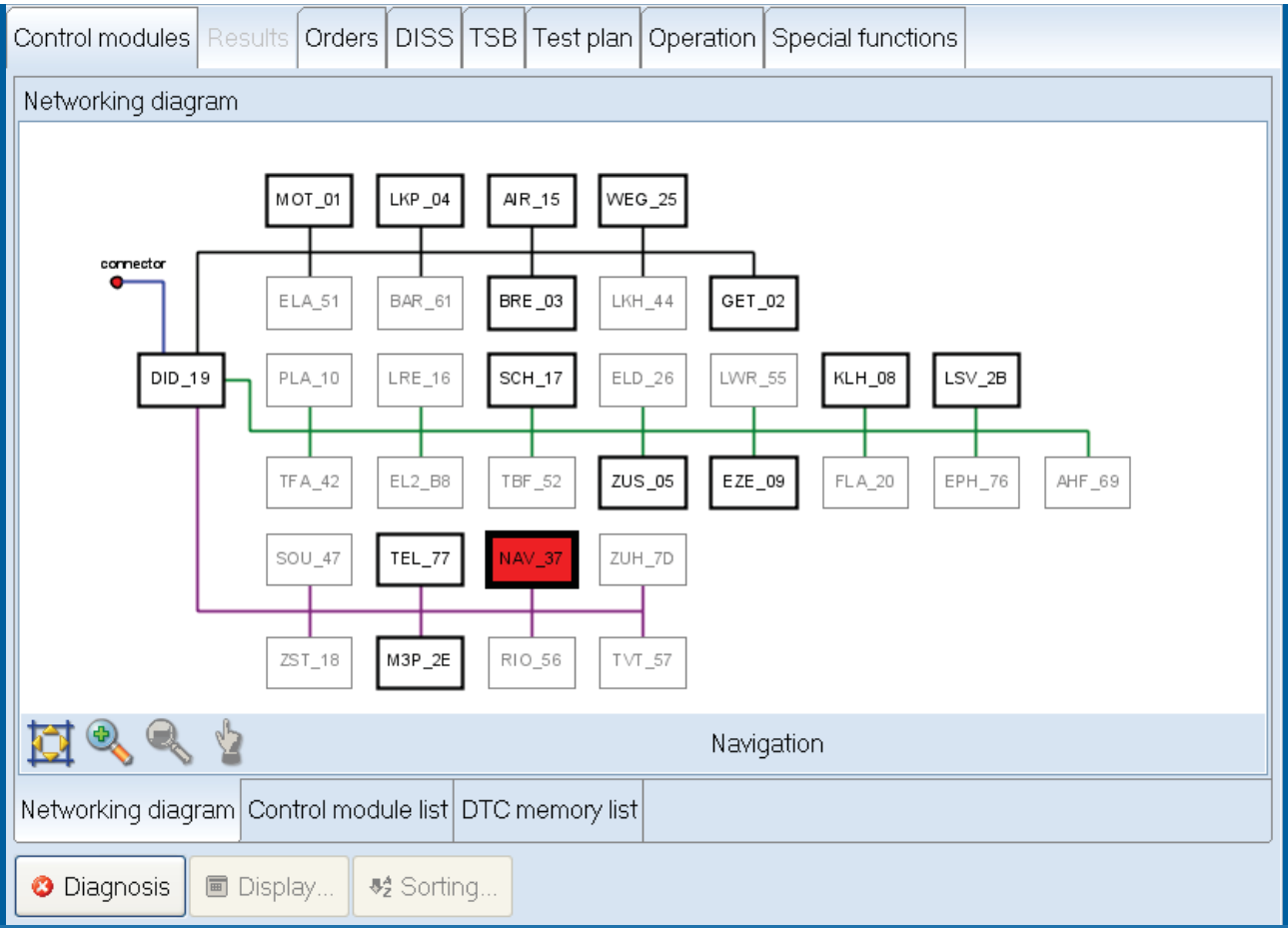
Service Training

Offboard Diagnostic Information System

ODIS Service Workbook 810223



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Course Number 810223

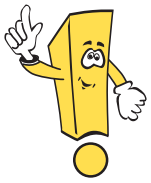
Always check Technical Bulletins and the latest electronic repair information for information that may supersede any information included in this booklet.

Contents

This Self-Study Program provides information regarding the design and function of new models.
This Self-Study Program is not a Repair Manual.

For maintenance and repair procedures, always refer to the latest electronic service information.

Note



Important!

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Introduction

The Off-board Diagnostic Information System (ODIS Service) is the software that will be replacing the VAS-PC diagnostic software in the near future. ODIS Service adds many features to help with vehicle diagnosis and repair. ODIS Service does not replace Guided Fault Finding (GFF). Guided Fault Finding is an integral component of ODIS Service.

ODIS can be used on VAS 5051B, VAS 5052A and VAS 6150 diagnostic tools, as long as they are correctly updated. It cannot be used on the VAS 5051A or the VAS 5052.

This workbook requires the use of one of the above scan tools with ODIS Service loaded, a vehicle and a memory stick.

ODIS-1

Using this Workbook

This workbook is designed to help you start using the ODIS application. To use this workbook, you must have the following:

- This workbook
- The ODIS Service Reference Guide
- A late model Volkswagen vehicle
- A VAS 5051B, VAS 5052A or a VAS 6150 with ODIS installed
- A USB memory stick

This workbook is designed to be interactive, not just instructional. You will be required to set a DTC in a vehicle, then scan that vehicle for DTCs using the ODIS application.

To receive credit for completing the workbook, you must complete the online assessment in the Certification Resource Center (CRC). Refer to the instructions on the last page of this workbook.

ODIS Version

Like all software programs, ODIS will be updated on a regular basis. This workbook is based on ODIS version 1.1.2. Other versions may be slightly different in operation. Always check the CRC for the latest version.

ODIS Service Reference Guide 810123

This workbook is only one of several publications supporting ODIS. There is also a Reference Guide that will help you to understand some functions that are not included in this workbook. ODIS also has its own support manual. Remember, this workbook is only the beginning. ODIS has many functions and capabilities.

Some pages of this workbook and the ODIS Reference Guide may appear to be very similar. That is part of the design of this workbook. It is consistent with the other training materials. Use this Reference Guide to help you complete this workbook.

ODIS Instructor-Led Training

There is an instructor-led training course that covers ODIS, Introduction to Volkswagen Scan Tools 811102. This workbook is similar to the first exercise of the instructor-led class. However, the instructor-led training course goes deeper into the functions of ODIS. Performing the tasks in this workbook is not an equivalent of the instructor-led course.

Setup

Everything must be ready in order to follow the steps in this workbook correctly. Keep in mind that, depending on the person, it may take an hour to go through the steps of this workbook. If you are borrowing a vehicle from your dealer, make sure you have allocated enough time.

Scan Tool:

As mentioned previously, you must have an operational scan tool with ODIS loaded to follow the steps of this workbook.

Which scan tool are you using?_____

Vehicle:

Choose a late model Volkswagen vehicle for this exercise, preferably an A5 Jetta, B6 Passat, etc.

What vehicle are you using? _____

Vehicle DTC:

You must set a DTC in the vehicle to learn how to view and erase DTCs using ODIS. To set the DTC:

- Locate the connector for G65, the air conditioning high pressure sensor. Remove the connector from the sensor.
- Start the vehicle and turn on the air conditioning to set a DTC in the air conditioning system. Some vehicles may set the DTC without the need to start the engine.

Working with ODIS

In this workbook, you will interactively use ODIS and learn about its basic functions. Make sure the ODIS Reference Guide 810123 is readily available, because some sections of this workbook will ask you to use it.

Please refer to the Reference Guide under Launching ODIS for information about the following questions.

1. Now that your vehicle has a DTC, launch the ODIS application by double-clicking on the **DiagStarter** icon on the computer desktop. This launches the program selection window. What choices are available to you?

_____

_____

2. Select the **Offboard Diagnostic Information System (ODIS)**. It will take a minute for the application to launch.

3. What is the purpose of the Release Notes window?
   NOTE: The Release Notes window may briefly appear for a couple of seconds, then minimize to the taskbar. If it does not appear, skip to question #4. If it does appear, click the icon in the Windows taskbar to read the notes.

_____

_____

_____

4. After ODIS launches the Warnings/Notes window appears. What do you have to do to proceed past this window?

_____

_____

Please refer to the Reference Guide under Launching GFF for information about the following questions.

5. Based on the vehicle, diagnostic connection and network connection, what does this graphic represent?

_____

_____

_____

6. Make sure that ODIS recognizes your vehicle and the key in the ignition. A network connection is not necessary.
7. After ODIS has launched, carefully review the information in the Vehicle Basic Features window. If the information is not correct, identify your vehicle manually. What is the following information for your vehicle?

   – VIN _____

   – Model _____

   – Model Year _____

   – Version _____

   – Engine _____

8. Always make sure that **Work With Guided Fault Finding** is selected before you proceed. If it is not, any diagnostic options will be severely limited.

Note: If the Global ID window appears, select **Cancel**.

9. Now ODIS switches to the Orders tab. Select the **No Order** option.

10. After this is done, ODIS begins scanning the vehicle control modules. Where is the progress indicator for scanning the vehicle control modules located on the ODIS screen?

_____

11. If you are not presented with a Variant Selection screen, skip to step 12.
    If the Variant Selection screen appears, use the Reference Guide to learn how to navigate through this feature. Write your notes below on where you located the information on how to get through this page, and what was required at each step. Remember that ElsaWeb and visual identification are your primary resources to determine control module variants.

12. Continuing with GFF starts scanning the vehicle for DTCs. The same progress indicator is used for the status of the scan.

13. ODIS now switches to the DISS tab. The Orders, DISS and TSB tabs are not currently used for our market. Continue by selecting the **Control Module** tab at the top of the screen,

14. Once you are on the Control Modules screen, note the three tabs (not the three buttons) at the bottom. Select each one and note how the screen changes.

    – Networking Diagram _____

    – Control Module List _____

    – DTC Memory List _____

15. Select the **Network Diagram** tab at the bottom of the screen. What is displayed?

16. Left single click on a control module in the Network Diagram and look at the area below the network diagram window. What text appears? Note how this changes as you click on different control modules.

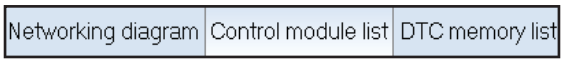
17. What do the different borders and control module colors indicate about the status of a control module? This information is in the Reference Guide and also under the Support function.
    To access the Support function, select the **On-Line Help** button under Support on the right side menu. Does this open to the help screen with information about your current area of ODIS? Close the ODIS Service User Handbook and return to ODIS.

18. Use the magnification and finger icons below the network diagram. How does each one work?

19. Left double or right click on a control module to get the popup menu. What selections appear in the popup window?

Please refer to the Reference Guide under Control Module Tab Tips for information about the following questions.

20. Now select the **Control Module List** tab at the bottom of the screen. This displays the control modules.



At the bottom of the screen, select the **Display** button. Now select **Actual Installation**. What happens?

_____

_____

21. Now select the **Sorting** button next to the Display button at the bottom of the screen. What options are displayed?

_____

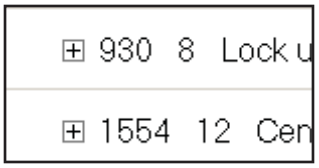
_____

22. Choose each option to view how the list changes. Note that you can also select these options by selecting the words Address, Fault, or Name at the top of the Control Modules List.

Please refer to the Reference Guide under Viewing DTCs for information about the following questions.

23. Select the **DTC Memory List** tab at the lower left of the screen.

24. The DTCs have a **+** next to them. Expand this **+** sign so that you can see all of the information for that DTC. What is displayed?



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_____

Please refer to the Reference Guide under Launching Test Plans, GFF Test Plan Tips and Documents for information about the following questions.

25. Select the **Test Plan** tab at the top of the screen. This displays the test plans that have been loaded by GFF based on the DTC in your vehicle.

26. Select a test plan for the DTC in your vehicle. Click on the **+** symbol next to the DTC. This will display the DTC text. Note that if you click on this text, the Perform Test button at the bottom of the screen will be grayed-out.

27. Select the DTC, then select the **Perform Test** button at the lower left of the screen. Note that the tab at the top of the screen changes from Test Plan to Operation. You are now in a GFF test plan. What looks different from the VAS-PC GFF test plans?

_____

_____

28. Continue through a couple of steps of the test. If there are any connector views or documents, select and view them.

29. Note the steps that appear to the left of the screen. What happens when you click on each of them? Can you restart the test plan from that point?

_____

_____

30. Select **Cancel Test** and select the **Test Plan** tab to view the test plans that were selected by Guided Fault Finding.

31. Select the **Documents** button at the bottom of the screen. What options appear?

_____

_____

32. Select **Documents for the Test Plan**.

33. Note that all of the top tabs have changed and you are now under the Documents tab. More importantly, look at the right side of the window under the Operating Modes heading. All steps up to this point were performed using the Diagnosis button. Now the Info button is highlighted. Keep this in mind.

34. Even if no documents are available, Select the **Documents** button at the bottom of the window and use the file tree to select any document then select **Display Document**.

35. Now select the **Diagnosis** button on the right side of the screen under Operating Modes. This returns you to the Diagnosis tabs and screens.

36. Go back and select **Documents for the Test Program**. This displays only the documents that are relevant to the highlighted test plan. If any are available, select one and view it.

37. Now select the **Diagnosis** tab on the right side of the screen under Operating Modes. This returns you to the Diagnosis tabs and screens.

Please refer to the Reference Guide under Printing and Saving for information about the following questions.

38. Look to the right side of the screen and click on the **Data** tab. It expands. What functions are under the Data tab?

39. Select the **Print** under Diagnostic Log. What options appear?

40. Insert a memory stick into your scan tool. Go back to the **Data** tab and select **Save**, select the desired log type, and save the file to the memory stick.

41. Open your log in Windows Explorer by double-clicking on it. Review your log quickly to view the information from your vehicle and test plans.

42. This as far as we will go for this workbook. Connect the G65 electrical connector, and rescan the vehicle to make sure all DTCs are removed from the vehicle. Now, exit diagnosis using the red **X** at the bottom right of the screen. Make sure to write down the screens that appear and your answer to each of them.

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Knowledge Assessment

An on-line Knowledge Assessment (exam) is available for this workbook.

The Knowledge Assessment may or may not be required for Certification.

You can find this Knowledge Assessment at:

www.vwwebsource.com

For Assistance, please call:

Volkswagen Academy

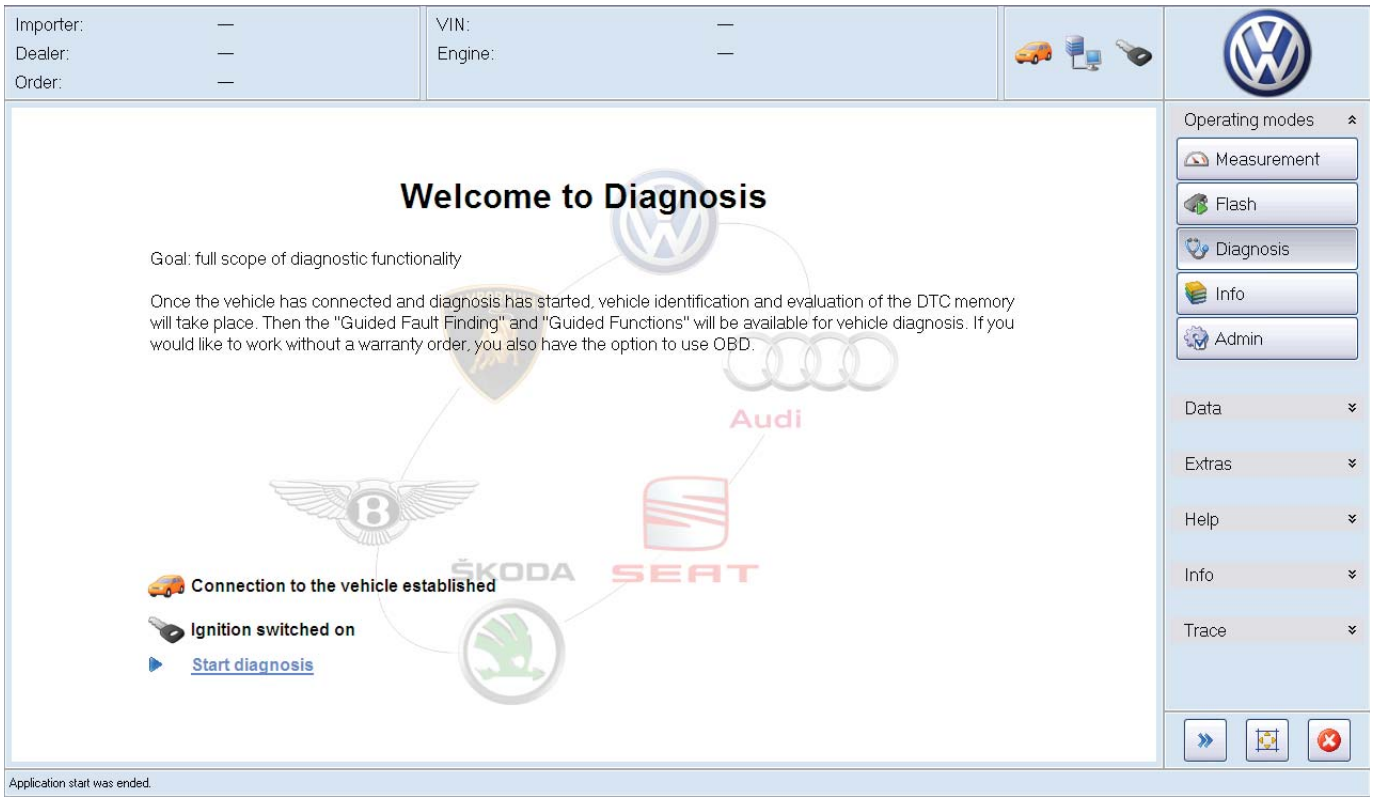
Certification Program Headquarters

1-877-791-4838

(8:00 a.m. to 8:00 p.m. EST)

Or, E-mail:

concierge@volkswagenacademy.com



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