

Additional Operating Manual Multi-Function Display



SDI and TDI

**Volkswagen Marine
Boat Engines**



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What you should know before you read this manual

This manual

contains important information on using your Volkswagen Marine Boat Engine. You should read this manual carefully prior to initial operation to quickly become familiar with the engine and to know how to operate and handle the engine.

Along with regular service and maintenance, proper operation and use of the Volkswagen Marine Boat Engine make an important contribution to maintaining its value.

Additional warranty information are contained in the service schedule.

For safety reasons, please also be sure to follow the safety precautions and the information on changes and part replacement in the Instruction Manual.

Equipment

This manual contains information covering the full range of options available as we went to press. Some of the equipment may not be available until a later time.



Equipment marked with an asterisk are not part of the standard equipment of the Volkswagen Marine Boat Engine.

Notes on environmental protection



Texts which follow this symbol and are printed in italics are important notes on environmental protection.

Table of Contents

The first page contains a list of contents in which all the subjects dealt with in this manual are given in the order that they appear.

Index

At the back of the Owner's Manual is a comprehensive alphabetically ordered index.

The required information can be located quickly using key words.

Warnings

Caution

Blocks of text written in bold print and with this background refer to potential accident or injury risks.

The passages in this bold print provide useful information on using and caring for your marine engine and call your attention to potential sources of damage to it.

One final request:

When you sell your boat or your Volkswagen marine boat engine, please pass on this manual to the new owner, as the literature is part of the Volkswagen marine boat engine!

Multi-function display

The multi-function display offers you a broad range of information.

With the multi-function display (MFD) you can display a broad range of information on consumption and speed/kilometrage¹⁾.

In this manual you will learn how to select a menu and which information you will obtain.

The basis is software version 1.06.

¹⁾ When connected to an NMEA-capable navigation device.

Overview of possible display options

The following information can be displayed:

- Total operating hours
- Trip operating hours
- Distance covered in kilometres (km)¹⁾
- Distance covered in nautical miles (nm)¹⁾
- Distance covered in American land miles (m)¹⁾
- Fuel quantity consumed since reset in litres
- Fuel quantity consumed since reset in gallons
- Current consumption in litres per hour
- Current consumption in litres per kilometre (km)¹⁾
- Current consumption in litres per nautical mile (nm)¹⁾
- Current consumption in litres per American land mile (m)¹⁾
- Current consumption in gallons per hour
- Current consumption in gallons per kilometre (km)¹⁾
- Current consumption in gallons per nautical mile (nm)¹⁾
- Current consumption in gallons per American land mile (m)¹⁾
- Average consumption in litres per hour
- Average consumption in litres per kilometre (km)¹⁾
- Average consumption in litres per nautical mile (nm)¹⁾
- Average consumption in litres per American land mile (m)¹⁾
- Average consumption in gallons per hour
- Average consumption in gallons per kilometre (km)¹⁾
- Average consumption in gallons per nautical mile (nm)¹⁾
- Average consumption in gallons per American land mile (m)¹⁾
- Average consumption in gallons per American land mile (m)¹⁾
- Range in kilometres per litre¹⁾
- Range in nautical miles per litre¹⁾
- Range in American land miles per litre¹⁾
- Range in kilometres per gallon¹⁾
- Range in nautical miles per gallon¹⁾
- Range in American land miles per gallon¹⁾
- Speed in knots (kn)¹⁾
- Speed in kilometres per hour (km/h)¹⁾
- Speed in American land miles (mp)¹⁾
- Average speed in knots (kn)¹⁾
- Average speed in kilometres per hour (km/h)¹⁾
- Average speed in American land miles (mp)¹⁾
- Speed in rpm
- Speed in min⁻¹

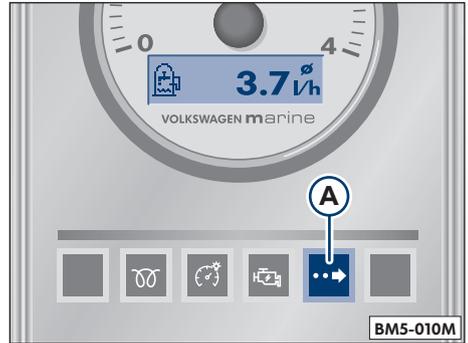
¹⁾ When connected to an NMEA-capable navigation device.

The profiles DEFAULT and USER

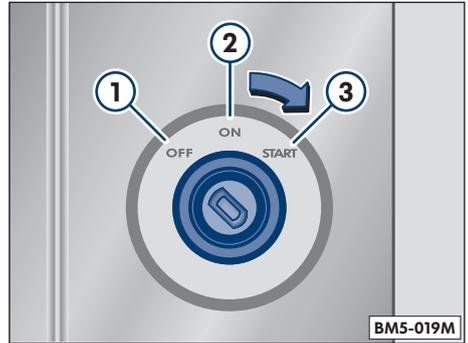
The multi-function display offers you two settable profiles for the selection of the options to be displayed.

These profiles are called **DEFAULT** and **USER**. You can change each of these profiles, i.e. you can save the displays you desire in these profiles.

Entering the programming mode



Section from flybridge panel



Ignition switch in flybridge panel

Press and hold button **A** for the MFD while turning the ignition key twice to position **2**. Depending on the previous selection, the display **Metric** or **U.S.** appears.

Selecting units¹⁾

Selecting units¹⁾

You can specify the display units of the MFD.

After **entering the programming mode** you can scroll through the following options by briefly pressing the MFD button **A** - see page 4:

Metric or **U.S.** → **DEFAULT** or **USER** → **VALUE** → **END**

Whether **Metric** or **U.S.** or **DEFAULT** or **USER** is displayed is dependent on the previous setting.

Press the MFD button **A** - see page 4 - once long and then once short while in the display **Metric** or **U.S.** Now you can select the following items by briefly pressing the MFD button **A** - see page 4:

Metric → **U.S.** → **End**

Pressing the MFA button **A** longer - see page 4 - selects **Metric** or **U.S.**. Then you move to the **End** display by pressing briefly and complete the entry by pressing the button longer.

¹⁾ Irrelevant in the current software version 1.06.

Selecting profile

Selecting profile

You can choose from two MFD profiles.

After **entering the programming mode** you can scroll through the following options by briefly pressing the MFD button **A** - see page 4:

Metric or **U.S.** → **DEFAULT** or **USER** → **VALUE** → **END**

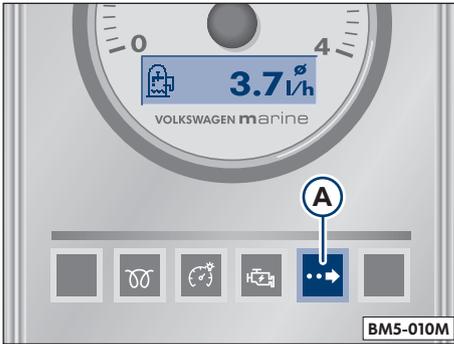
Whether **Metric** or **U.S.** or **DEFAULT** or **USER** is displayed is dependent on the previous setting.

Press the MFD button **A** - see page 4 - once long and then once short while in the display **DEFAULT** or **USER**. Now you can select the following items by briefly pressing the MFD button **A** - see page 4:

DEFAULT → **USER** → **End**

By pressing the MFD button **A** longer - see page 4 - you select **DEFAULT** or **USER** (depending on which profile you want to display). Then you move to the **End** display by pressing briefly repeatedly and complete the entry by pressing the button longer. Scroll to the display **End** again and press the button longer.

Selecting display options in a profile



You can specify the menu items to be displayed in each profile.

After **entering the programming mode** you can scroll through the following options by briefly pressing the MFD button **A**:

Metric or **U.S.** → **DEFAULT** or **USER** → **VALUE** → **END**

Whether **Metric** or **U.S.** or **DEFAULT** or **USER** is displayed is dependent on the previous setting.

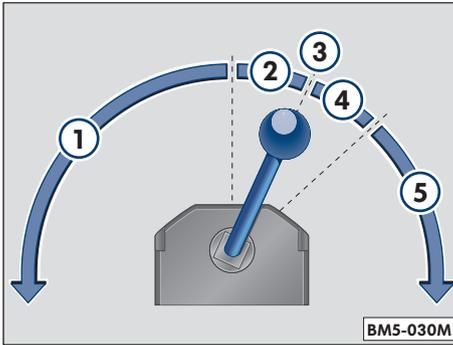
Press the MFD button **A** once long and then once short while in the display **DEFAULT** or **USER**. Now you can select the following items by briefly pressing the MFD button **A**:

DEFAULT → **USER** → **End**

By pressing the MFD button **A** longer you select **DEFAULT** or **USER** (depending on which profile you want to display). Then the individual menu items are scrolled further each time you press the button briefly. For rows of menu items as specified in **Overview of possible display options**, see page 3.

Selected items are marked with an asterisk (*). Switching between menu items selected and those not selected is carried out by pressing the MFD button **A** longer in each case. Briefly pressing the button advances to the next display option. Finally, the menu item **End** must be confirmed by pressing the button longer.

Normal operation



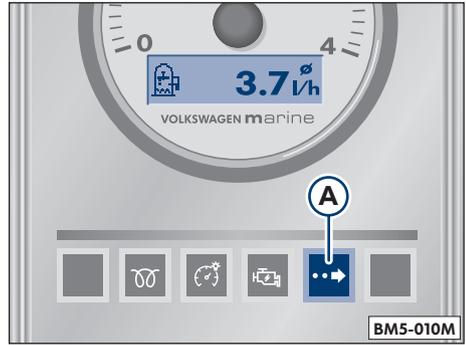
After switching on the ignition, **NEUTRAL** appears in the display. The gearbox is in the neutral position and the engine can be started.

Should **NEUTRAL** flash, this means that the gearbox is not yet in the "Neutral" position. The engine cannot be started.

Move the gearbox into the "Neutral" position.

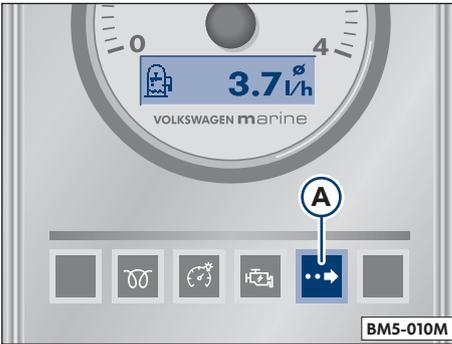
The illustration shows the pattern of the driving lever.

- 1 - Forward**
- 2 - Shifting forward**
- 3 - Neutral**
- 4 - Shifting reverse**
- 5 - Reverse**



After starting the engine, you can scroll through the selected display option with the MFD button **A**.

Resetting



You can reset the trip operating hours meter. To do this, press and hold the MFD button **A** in normal operation until **RESET** appears in the display.

Note

Resetting resets all value with the exception of the total operating hours.

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♻️ This paper was produced of woodpulp bleached without chlorine.