Driver’s Handbook

Webasto Thermo Control 230/300/350

T8008841

VOLVO

Foreword

This manual contains information concerning the operation and function of the Webasto Thermo 230/300/350 water heating unit control. The information in this manual applies to vehicles built June 2008 and later. Please keep this manual in the vehicle at all times.

Note: Illustrations in this manual are used for reference only and may differ slightly from the actual vehicle. However, key components addressed in this document are represented as accurately as possible.

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Göteborg, Sweden

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Contents

Display 1
General Introduction 1
Display 2

Button Functions 3
Buttons for Changing Parameter Values 3
Setting of the Time and Date 3
Button for Programming Unit Start-up Time 4
Button for Starting the Unit 5
Turning off the Unit 5
Programming and Control of the Unit Time of Work 5
Setting of the Alarm Clock 6
Check the Setting of the Alarm Clock 6
Programming Unit Start-up/Shut-down Time 6

Error Messages 7
Error Messages 7

Safety Information

IMPORTANT: Before driving this vehicle, be certain that you have read and that you fully understand each and every step of the driving and handling information in this manual. Be certain that you fully understand and follow all safety warnings.

IT IS IMPORTANT THAT THE FOLLOWING INFORMATION BE READ, UNDERSTOOD AND ALWAYS FOLLOWED.

The following types of advisories are used throughout this manual:

DANGER

Danger indicates an unsafe practice that could result in serious personal injury or death. A danger advisory banner is in **white** type on a **black** background with a **black** border.

WARNING

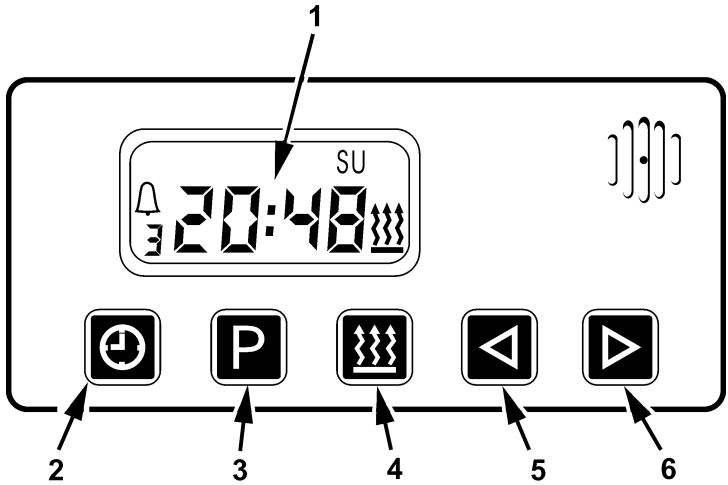
Warning indicates an unsafe practice that could result in personal injury. A warning advisory banner is in **black** type on a **gray** background with a **black** border.

CAUTION

Caution indicates an unsafe practice that could result in damage to the product. A caution advisory is in **black** type on a **white** background with a **black** border.

Note: Note indicates a procedure, practice, or condition that must be followed in order for the vehicle or component to function in the manner intended.

General Introduction

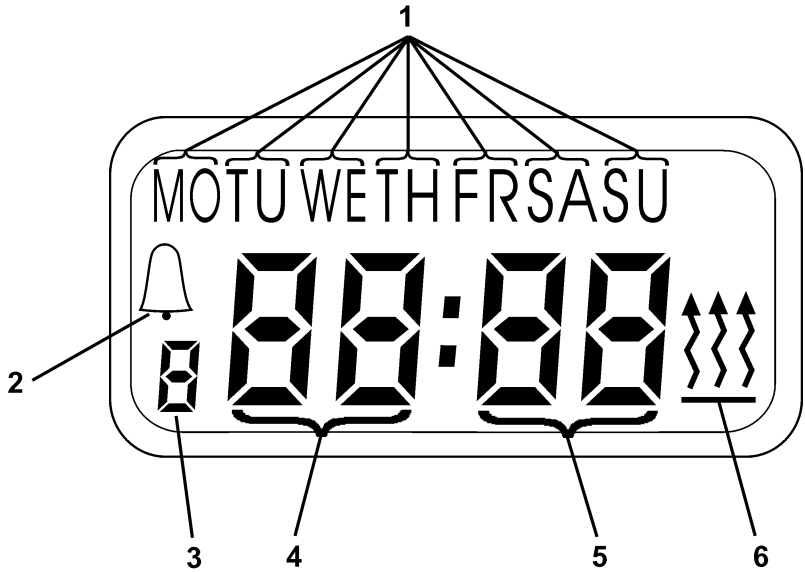


T8008842

1 Display
2 Clock button
3 Program selection button
4 Button for unit start-up
5 Button for reducing the value of the parameter selected
6 Button for increasing the value of the parameter selected

2 Display

Display



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1 Symbols for the days of the week:
MO - Monday
TU - Tuesday
WE - Wednesday
TH - Thursday
FR - Friday
SA - Saturday
SU - Sunday

2 Symbol for alarm clock set

3 Symbol for programming unit start-up time (1, 2, 3)

4 Symbol for hours (0, 1, 2.....22, 23)

5 Symbol for minutes (00, 01, 02.....58, 59)

6 Symbol for unit turned on

Buttons for Changing Parameter Values

By pressing the (1) button, you can reduce the value of the selected parameter (day of the week, hour, minutes or programme of starting up the unit) and by pressing the (2) button, you can increase the value of the selected parameter. Pressing and holding either button (1) or (2) for longer than 2 seconds, will change the selected parameter at a faster rate. When the buttons are not used for longer than 5 seconds the value set is entered in the memory.

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Button 1

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Button 2

Setting of the Time and Date

By pressing the (3) button, you can set the present hour, minutes and day of the week.

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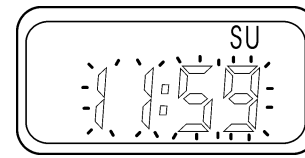
Button 3

Pressing and holding the (3) button for longer than 2 seconds and the symbols for hours and minutes begin to flash simultaneously. With the aid of the (1) or (2) button, set the present time.



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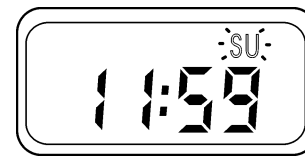
After setting the time, wait 5 seconds and the symbol for the day of the week begins to flash. Next, with the aid of (1) or (2) button, set the present day of the week. After setting, press the button or wait 5 seconds to enter the selected values in the control memory.



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Button for Programming Unit Start-up Time

Using the (4) button you can select one of three programs for unit starting up.

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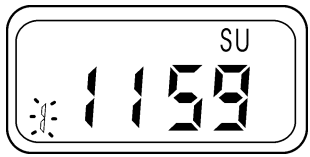
Button 4

To change the setting of the first program, press the (4) button once. To change the setting of the second program press the (4) button twice and to change the setting of the third program, press the (4) button three times. The number of the program that's selected, will be shown flashing on the display.



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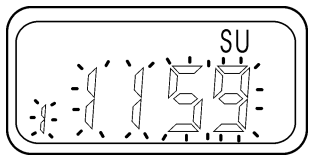
When the (1) or (2) button is pressed, the symbol of the hours and minutes then begins to flash. Set the desired hour and minutes with the (1) or (2) button and then wait five seconds.



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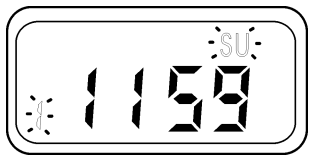
The symbol of the day of the week begins to flash. The value can changed with button (1) or (2). After waiting five seconds or pressing button (4), the time value for unit starting up is set and entered in the memory.



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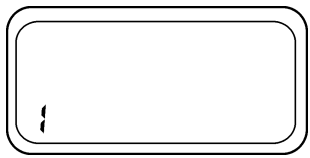
On the display, the number of the program selected is illuminated and the background lighting of the unit start-up time button (5) begins to flash.



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Button for Starting the Unit

The unit can start up automatically (see subheading Button for programming unit start-up time) or manually. In order to start up the unit manually press button (5).

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Button 5

The unit turned on symbol appears on the display and the time remaining for completion of its work. If you wish to change the value of the time remaining for completion of the work, press button (1) or (2). The unit time of work can be regulated in a range of 1 to 120 minutes.

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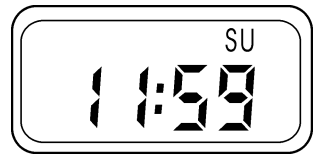
Turning off the Unit

The unit can be turned off by pressing button (5) again. The unit start-up signal will disappear from the display. The unit will turn itself off automatically if you have pre-programmed a time for this function.



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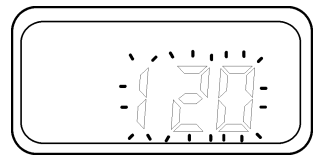
Programming and Control of the Unit Time of Work

With the unit off, the unit time of work can be set. Press the (1) button longer than 3 seconds - on the lit screen the symbol for unit time of work begins to flash. Pressing button (1) or (2) will set the desired time of work for the unit (in program 1, 2, 3 and with manual start up). After waiting 5 seconds the selected time is entered into the memory.



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6 Button Functions

Setting of the Alarm Clock

The setting of the alarm clock is not connected with a day of the week. Press the (4) button four times, the symbol for the alarm clock will then begin to flash on the display.

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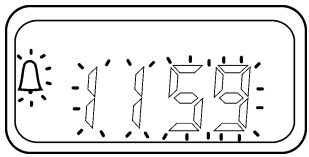
Press either the (1) or (2) button. The symbol for hours and minutes begins to flash.



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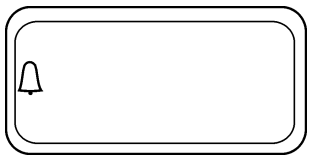
To set the desired waking time press button (1) or (2). After waiting five seconds the waking time is entered in the memory. The symbol for the alarm clock remains illuminated on the display. The alarm sounds for 5 minutes. You can turn it off by pressing any button.



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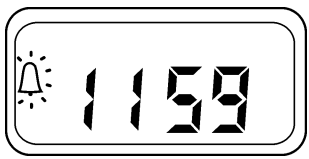
Check the Setting of the Alarm Clock

To check the setting of the alarm clock press the (4) button four times. When alarm clock symbol begins to flash on the display, the set time for waking can read. To cancel the setting of the alarm press the (4) button a fifth time. The symbol of the alarm disappears from the display.



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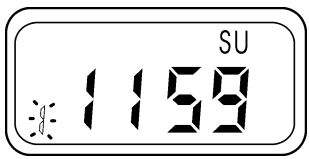
Programming Unit Start-up/Shut-down Time

Pressing the (4) button once, will allow checking the setting of the first program. Pressing the (4) button twice, will allow checking the setting of the second program. Pressing the (4) button three times, will allow checking the setting of the third program. Pressing the (4) button five times, exits the program.



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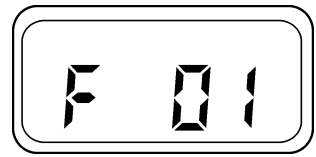
Error Messages

Messages about errors appear on the lit display screen in the form of codes. The error code descriptions can be found in the accompanying table.



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Code	Description
F01	No start up
F02	Interruption of the flame
F03	Tension too low
F04	Recognition of a foreign light in start up or run out
F05	Damage to flame sensor
F06	Damage to temperature sensor
F07	Damage to magnetic valve
F08	Damage to blower motor
F09	Damage to circulation pump
F10	Damage to/overheating of temperature limiter
F11	Damage to ignition spark generator
F12	Blocking of the appliance through repeated disturbance or repeated interruption of the flame

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