Board computer

Volvo’s travel computer is an electronic instrument connected to two sensors for speed and fuel consumption.

The instrument provides the following information:

* Time (Time)
* Distance (Dist)
* Speed (km/h)
* Current fuel consumption (l/100km)
* Average fuel consumption (l/100km)
* Total fuel consumption (Fuel)

Read this manual carefully before and during the setup and calibration of the travel computer.

# Choice of measurement system

Depending on where the travel computer is used, four different measurement systems can be selected. Set the selector to the target system (M, E, U or I).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Function** | **M – Metric** | **E – Europe** | **U – USA** | **I – Imperial** |
| *Fuel* | Liter | Liter | US Gallons | Imperial Gallons |
| *Distance* | Kilometer | Kilometer | Miles | Miles |
| *Speed* | Km/h | Km/h | Miles/h | Miles/h |
| *Fuel consumption* | Km/liter | Liter/100km | Miles / US Gallon | Miles / Imperial Gallon |
| *Time* | 24 hours | 12 hours | 12 hours | 12 hours |

[photo]

Selector for the measurement system

Metric (M), Europe (E), USA (U) or Imperial (I)

# Clock setting

The clock is a quartz clock and shows either 24 hours (M and E) or 12 hours AM/PM (U and I)

* Choose measurement system M, E, U or I.
* Press “TIME”
* Set the correct time, hours and minutes with the “H” resp. “M” buttons.
* The seconds are reset each time the minute settings changes.

After the clock has been set, the measurement system can change without affecting the clock function.

# Distance calibration

To compensate for variations in tire size, gear ratio and tire wear, the distance factor must be calibrated to show the instrument correctly.

* Make sure that the correct measurement system (M, E, U or I) is set.
* Reset by pressing “FUEL” for about 4 seconds until the computer shows “- - - -“.
* Reset the car’s regular trip meter.
* Press “DIST”.
* Drive for a distance of about 5 – 10 km. and stop at the appropriate time when the trip meter shows an even number.
* Calibrate the driving computer with “+” or “-“ so that the driving computer and trip meter are in compliance.
* The driving computer is now calibrated with the car’s regular speedometer and wiper. The computer can also be calibrated to a known, measured distance.

# Fuel calibration

To compensate for variations in engine wear, temperature, fuel pressure etc. the fuel factor must be calibrated to display instruments correctly.

* Make sure that the correct measurement system (M, E, U or I) is set.
* Reset the fuel factor by pressing “FUEL” for about 4 seconds until the computer shows “- - - -“.
* Fill the tank and run until approximately 30-40 liters of gasoline have been used.
* Fill the tank back to the same level and note the amount of fuel loaded.
* Fill the tank back to the same level and note the filled fuel calibrate the driving computer with “+” or “-“ so that the driving computer and the refueling amount match.
* Calibration should be checked occasionally because the external factors are not constant.

# Calibration

If the driving computer is turned in, the memory function is lost. In addition, the computer must be re-calibrated. Therefore, in order to avoid recalibration, one can obtain their own specific calibration values, and below:

* Press “L/100km”.
* Press and hold “+” or “-“ for about 4 seconds. The driving computer now shows “----“.
* Press “DIST”.
* The driving computer now shows the distance calibration factor. Fill in the value on the last page.
* Do the corresponding operation with the “FUEL” value.
* Press “L/100km”.
* Press and hold “+” or “-“ for about 4 seconds. The driving computer now shows “----“.
* Press “FUEL”.
* The driving computer now shows the calibration factor for the fuel consumption. Fill in the value on the last page.

If the driving computer is turned off, it can be programmed quickly using listed values.

* Press “L/100km”.
* Press and hold “+” or “-“ for about 4 seconds. The driving computer now shows “----“.
* Press “DIST” to change the noted distance value using “+” and/or “-“.
* Do the corresponding operation with the “FUEL” value.
* Press “L/100km”.
* Press and hold “+” or “-“ for about 4 seconds. The driving computer now shows “----“.
* Press “L/100km”.
* Press and hold “+” or “-“ for about 4 seconds. The driving computer now shows “----“.
* Press “FUEL” to change the noted distance value using “+” and/or “-“.

# Zero

When “FUEL” is pressed for about 4 seconds, the computer shows “----“. At the same time, the total mileage and total fuel consumption are reset. Reset can be made in connection with refueling when measured by trip measurement from any measuring point. The maximum capacity of the memory is 10.000 km and 10.000 liter. Then the driving computer shows “----“.

[photo]

Indicator lamps

* Shows the mode that is selected.

Display

Calibration buttons

* For calibration and time

Function selector

# Use

When a function button is pressed, the lamp lights up above or below the button. When the half-way light turns on, the display’s light brightness is automatically reduces.

|  |  |
| --- | --- |
| **Function** | **Information** |
| Km/h | Speed |
| Dist | Total mileage after zeroing |
| Time | Time |
| Fuel | Total fuel consumption after zeroing |
| Fuel (4 sec) | Zero clearance and fuel |
| l/100km | Average fuel consumption |
| l/100km (4 sec) | Current fuel consumption |