

INSTALLATION INSTRUCTION

VOLVO CONSTRUCTION EQUIPMENT



Ref. no. VOE21 I1003017	Kit no. 11171864	Option no. ---	Operation no. ---	Issuer WLO	Date 2016-03-01	Page 1/6
Regarding Non-Volvo units (machine without Can-Bus integration)						

CareTrack



WARNING!

Read **all** signs and instructions on the machine and the safety instructions in the operators manual, before you start working on the machine.

The installation instructions are based on the use of special tools, the E-tool and standard tools generally available on the market, and also on our operators manuals and service manuals.

The equipment should be installed by qualified personnel of an authorised workshop.

Volvo Construction Equipment AB, Customer Support Division disclaims **all** responsibility if tools and work methods other than those described in the instructions are used.

Kit list: 11171864

Part No.	Qty.	Designation
11171864	1	Cable harness

Op. no. 390-902

Tools:
Tech Tool



Kit no. 11171864			Option no.	

NOTE:

The kit does not include the CareTrack ECU/Antenna, only the mounting parts. Use the CareTrack W-ECU /Antenna that is adapted to the market for which the equipment is intended. To see the different options for CareTrack, log on to VDN, click M@sh and select Features and benefits/ CareTrack/Which machines can be fitted with CareTrack.

Ref. no.	Kit no. 11171864	Option no. ---	Operation no. ---	Issuer WLO	Date	Page 3/6
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Work description

- 1 Start Tech Tool. In the identify window, chose machine, type " Other" and chose model "CARETRACK"
- 2 Create a chassis-ID for the CareTrack W-ECU by running the operation 17061-3 "Central system, update, create Care-Track chassis-ID". Make a note of the chassis-ID.
- 3 Update the machine in the central system with the operation 17056-3 "Central System, Updating, Chang Software ". If asked for the chassis-ID, use the newly created chassis-ID from the previous step. Check W-ECU Part No.
- 4 See table for conversion kit number in table on previously page.
- 5 Download the software for CareTrack.
- 6 Turn of the battery disconnect switch.

Antenna mounting.

NOTE! Mount antenna with unobstructed view to sky, with no metal structure covering antenna. Antenna should also be placed as far away from each other as practical and away from other radio communication devices to avoid possible signal interference.

- 7 Measure antenna locations on cab roof. Quantity of location will depend upon quantity of antennas being utilized. One for the GPS/GSM antenna (oval Area) and one for the satellite antenna (round area). The recommended hole size is 15mm. Mount the antenna. Antennas may also be mounted on mirror brackets, or even inside the cab, close to the vehicle windscreen. using locally manufactured mounting brackets.



Fig. 1 Suggested antenna positions on roof.

NOTE! When drilling in the cab, avoid any ROPS/FOPS structure.

NOTE!

When the bracket and satellite antenna have been mounted, ensure that the antenna and the bracket are grounded properly to the rest of the machine. A poor ground will affect the performance of the satellite antenna.

Ref. no.	Kit no. 11171864	Option no. ---	Operation no. ---	Issuer WLO	Date	Page 4/6
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Fig. 2 Antennas mounted on the rear cab roof.
GPS/GSM to the left side,
satelite to the right side in the picture

Part nr.	Qty.	Designation	Pos. in fig. 2
	1	Satellite antenna	-
	1	GPS/GSM antenna	-
8 Route the antenna cables into the cab at a suitable location. Use an existing hole or drill a new hole \varnothing 16 mm to allow routing. Protect the cables from the hole edges using a cable grommet.			
9 Measure out a location inside the cab that if possible, is hidden from view. Drill 3 holes \varnothing 4 mm that match the hole pattern on the W-ECU.			

Ref. no.	Kit no. 11171864	Option no. ---	Operation no. ---	Issuer WLO	Date	Page 5/6
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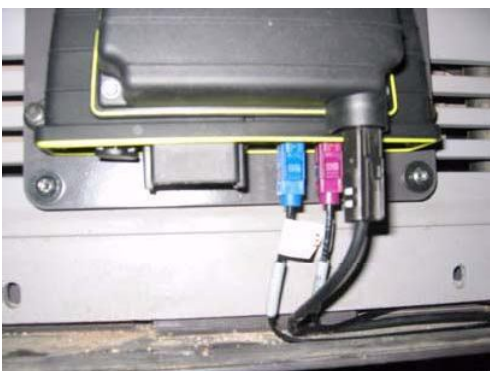


Fig. 4



Fig. 5

Inside the Cab

Mount the W-ECU where it is suitable.

- 10 Connect the antenna cables. Blue and violet connectors (GPS/GSM antenna). Black connector (optional satellite antenna) See figure 4.
- 11 Connect the 18 pin connector on the cable harness to the W-ECU.
- 12 Connect the cable harness as follows. Further holes may need to be drilled to gain access to the engine compartment. See also wiring diagram on last page.
- 13 Cable No 101 (white) to generator signal (active low)
Cable No 105 (Red) Battery feed + (30)
Cable No 110 (Red) Ignition key, active high (15)
Cable No 111 (Black) Earth (31)
- 14 Reset the battery disconnect switch.
- 15 Program the W-ECU with downloaded software by using operation 39736-3 "MID 142 Control unit, Programming".
- 16 If satellite modem used run operation 17030-3 "Parameter programming" and set parameter "IGU Satellite Modem Installed" set to "1"
- 17 Run operation 39796-3 "MID 142 Control unit, reset".
- 18 A flashing diode on the W-ECU indicates that the unit is receiving power correctly
- 19 The vehicle/CareTrack unit can now be registered on the CareTrack web page.

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$