

## VOLVO MINUSBLUE INSTRUCTIONS

### SOFTWARE INSTALLATION

Install the software provided.

### NEW TRUCK SELECTION

- 1) The minusblue module MUST be blanked. Link link to blank (connection details) with jumper provided.
- 2) Connect USB lead to minusblue module and PC.
- 3) When green led pulses disconnect USB connection to PC.
- 4) Remove link to blank (connection details).
- 5) Connect USB connection to PC.
- 6) Run minusblue software.
- 7) Select truck and press start.
- 8) Yellow led should now be on.
- 9) If incorrect truck was selected, select truck and press start again.
- 10) Disconnect USB connection to PC and minusblue module.
- 11) The minusblue module is now set-up for the truck selected.

### TRUCK INSTALLATION

The connections details diagram and wire colours refer to VOLVO FH16 Year 2008, but the main procedure of the minusblue module does not vary.

Before proceeding make sure no faulty codes are memorised in the original ECU, ADBLUE liquid is higher than the reserve level and the truck batteries Are disconnected from the system.

### WIRING

5 conductors:-

- 1) RED(+15). To be connected to a 24V source enabled when the engine key Is in the ON position. This connection will supply power to the minusble Module when the engine key is on(dashboard on).
- 2) BLACK(0V). To be connected to an earth.
- 3) GREY(+30). To be connected to a 24V supply always available to the Existing adblue system (25A protection fuse and the adblue system).
- 4) WHITE(CAN H). To be connected to CAN H of the system.
- 5) BROWN(CAN L). To be connected to CAN L of the system.

The connections must be made under the box of the connectors located on the chassis.

## ACTIVATION

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The minusblue module and the original adblue module CANNOT both be activated at the same time, the GREY ACTIVATION WIRE(+30) is to enable the minusblue module working.

It is important to connect the GREY ACTIVATION WIRE(+30) to a 24V source always available(battery), moreover, the soldering operation must be done between the 25A fuse and the existing adblue module.

If you want to stop and exclude the original adblue module from working, all that needs to be done is to remove the 25A fuse before starting the engine. The minusblue module will automatically be activated.

To re-instate the original adblue module, all that needs to be done is to re-install 25A fuse before starting the engine. The minusblue module will automatically be de-activated.

## SELF LEARNING

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When the minusblue module is fully connected to the electrical circuit of the original adblue module, and after identification of the 25A fuse controlling the power feeding to the original adblue module the truck batteries can be Re-connected.

The minusblue module acquires the inputs from the CANBUS the first time the dashboard is turned on(key on but engine still off).

- 1) Make sure the 25A fuse is inserted.
- 2) Turn on the dashboard(key on) and verify that the yellow led is on.
- 3) After approx 1 minute the yellow led will turn off and the green led will Turn on.
- 4) Switch off the dashboard(key off).

After this procedure the minusblue module will be activated whenever the dashboard is turned on(key on).

The result will be:-

- 1) If the 25A fuse is installed the original adblue system will be working. Both yellow and green leds will be on.
- 2) If the 25A fuse is not installed the original adblue system will not be Be working and the minusblue module will be activated. Both yellow and Green led will be flashing.

NOTE:- ALL THE OPERATIONS WITH THE 25A FUSE MUST BE DONE WITH THE DASHBOARD SWITCHED OFF(KEY OFF).

LED FUNCTION ON - OFF

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KEY OFF:-	YELLOW OFF, GREEN OFF	-	NO POWER FEEDING.
KEY ON:-	YELLOW OFF, GREEN OFF	-	TRUCK NOT SELECTED.
KEY ON:-	YELLOW ON, GREEN OFF	-	WAITING FOR SELF-LEARNING.
KEY ON:-	YELLOW OFF, GREEN ON	-	LEARNING COMPLETED.
KEY ON:-	YELLOW ON, GREEN ON	-	DATA SAVED, MODULE NOT ACTIVATED.
KEY ON:-	YELLOW PULSE, GREEN PULSE	-	DATA SAVED, MODULE ACTIVATED

# VOLVO CONNECTION DETAILS

