

Volvo SCR testing device with fault erasing function for vehicles with NOX sensor



A brief description of the device

This device is designed for the Volvo SCR - further SCR components testing. It allows you to check the SCR system.

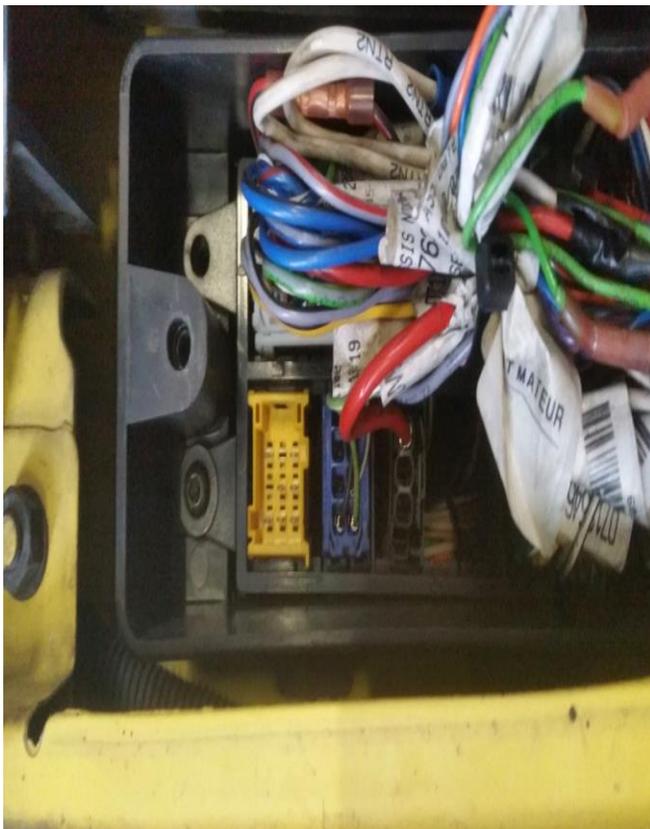
The testing device operating and start-up description

All testing device connection works must be carried out with ignition off. Follow the work sequence to successfully launch the testing device:



1. Open the hood of the car, on the left side you will see an elongate cap, which removes unscrewing a few screws, remove the cover.

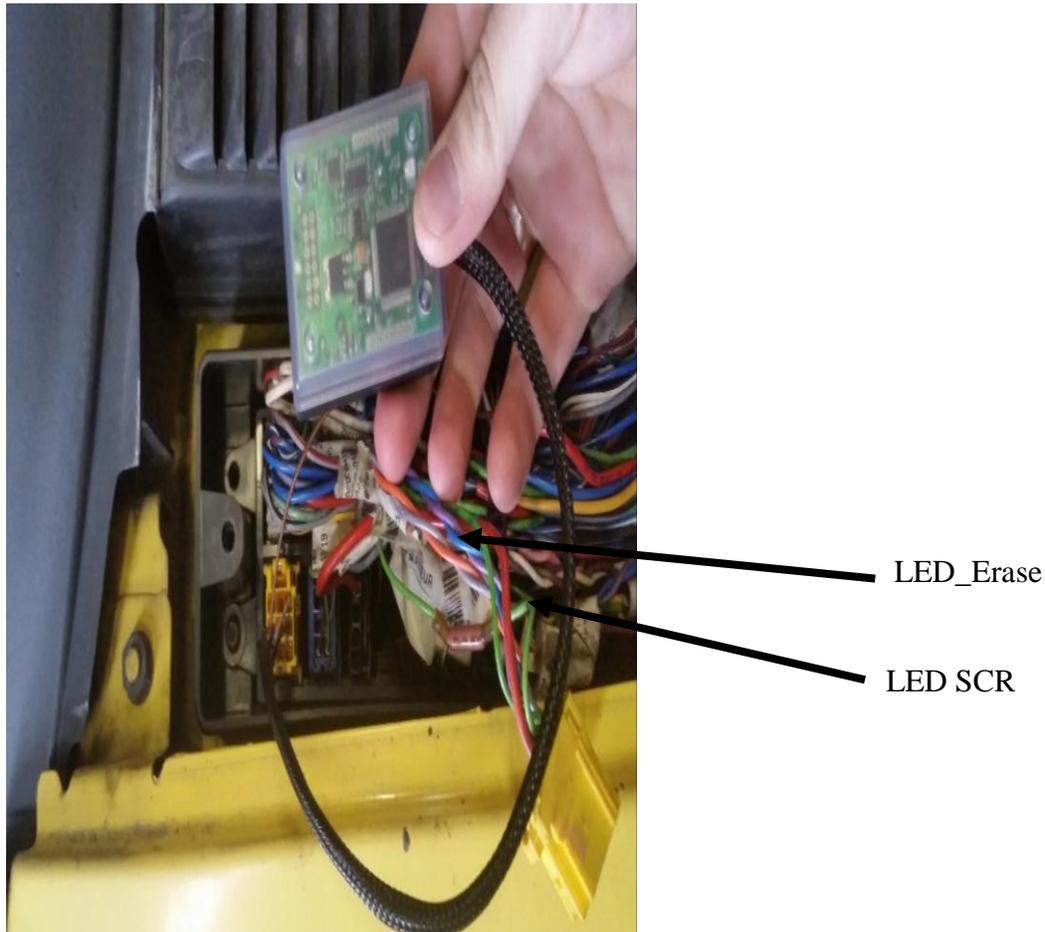
2. After removing the cover, you will see a dozen wire connectors, grouped in several rows; you need to pull out the yellow connector at the very top of left side as shown in the photo.



3. In place of the yellow connector plug push testing device connector, (connectors which pulled out and which is pushed in are identical).

4. The testing device connector has one additional brown wire, which you have to connect to the mass (frame) in a convenient location for you.

Warning: Do not leave unplugged brown (mass) cable; it can lead to failure of the testing device.



1 Table: Wire explication

| Testing device | Vehicle | Meaning |
|----------------|------------------------------|---|
| Red | Black (Could be other color) | Power supply arising when the ignition switched on. Power supply voltage of 20-30V. |
| Brown | White | Frame (minus) |
| Yellow | Purple | CAN-L |
| Blue | Blue | CAN-H |
| White | | Diagnostic line |
| Black | | Diagnostic line |

2 Table: possible LED SCR meanings.

| Flashing interval | Colour | Meaning | Solution |
|-------------------|-----------|--|---|
| 0,5 sec | green | The device works in a working mode. The adaptation done. | The normal process. |
| 0,5 sec | green/red | No CAN communication. | Check connections. Defective CAN line. Faulty testing device. |

The error deleting function description:

The error deleting function has the applicable following rules:

- 1) The error erasing carried out by completely pushing throttle pedal and keeping pushed for 30 seconds while ignition is on.
- 2) The errors erasing is possible only within the first five minutes while ignition is on, then it is necessary to switch off and switch on the ignition again.
- 3) At one time ignition switched on, errors can be deleted only once. To repeat deleting process you need to switch off and switch on the ignition again.

LED_Erase indicator values while deleting errors.

While keeping pressed the accelerator for 30 seconds LED lights up red, this marks the start of erasing errors. The red LED phase lasts up to 5 seconds.

Further green light LED indicates successful erasure errors.

If errors is not deleted then the LED flashing red light. In this case, repeat the procedure again, and if the result is the same then check the data transmission line, the power supply, the testing device.

Control units from which is erasing errors:

The engine control unit, the central control unit (VECU), tachograph, brake system control unit.

If desired, the control block list may be modified.