# Programming Diagnostics

## VOLVO

### VO

1x RED = No CAN activity. Check the CAN wire connections.

### VO2

If the LED flashes 1x RED and 4x GREEN, wrong firmware must use VO4.
If the LED doesn't pulse GREEN, press and release the module programming button. The LED will pulse RED the error code:

1x RED = No CAN activity. Check the CAN wire connections.
2x RED = Ignition never turns ON. Check the ignition wire connection.
3x RED = VIN unknown. Check if year and model is listed. Contact tech support.
4x RED = Wrong keysense message. Check if the fob is OUT (fob must be out just before the step 6)
5x RED = Wrong keysense message. Fob must be in the port.
6x RED = Wrong keysense message. Check if the fob is OUT (fob must be OUT between step 6 and 7)
7x RED = Wrong keysense message. Fob must be IN the port.
8x RED = Not the same key! Use ONLY one key for the install.
9x RED = N/A
10x RED = Wrong keysense message. Check if the key is OUT (key must be OUT between step 7 and 8)
11x RED = Wrong keysense message. Key must be IN the port.
12x RED = Invalid Klon data. Reset module and repeat the entire programming procedure.

### VO3

If the LED doesn't pulse GREEN, press and release the module programming button. The LED will pulse RED the error code:

1x RED = N/A
2x RED = No CAN activity. Check the CAN wire connections.
3x RED = Ignition never turns ON. Check the ignition wire connection.
4x RED = VIN not found. Check if year and model is listed. Contact tech support.
5x RED = Invalid Klon data. Reset module and repeat the entire programming procedure.

### VO4

If the LED doesn't pulse GREEN, press and release the module programming button. The LED will pulse RED the error code:

1x RED = N/A
2x RED = No CAN activity. Check the CAN wire connections.
3x RED = Ignition never turns ON. Check the ignition wire connection.
4x RED = VIN not found. Check if year and model is listed. Contact tech support.
5x RED = Invalid Klon data. Reset module and repeat the entire programming procedure.


JOIN OUR TECH GROUP ON
facebook