

# EL-PAS *e*-Cruise II

Installation instructions for  
Opel Movano B, Renault Master & Nissan NV400 Manual Transmission models Production 2010 >

Tested on: Manuel transmission  
Signals on CAN: Brake - Clutch - VSS



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1603209 Rev. 1.3

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## Before installation.

To make the installation easier, the complete installation instruction should be read through, before the installation is started.

This installation instruction, contains information, how to install the E-Cruise, which is not a Do-It-Yourself job.

Modern cars are equipped with electronic, which can be costly damaged by inappropriate treatment.

Lindgaard · Pedersen A/S can not be held responsible, for any error caused by wrong installation.

### Check that all the parts are included in the kit.

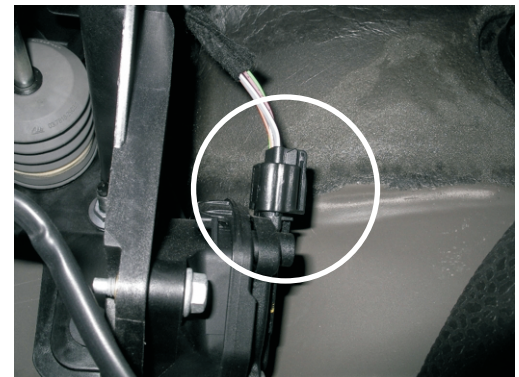
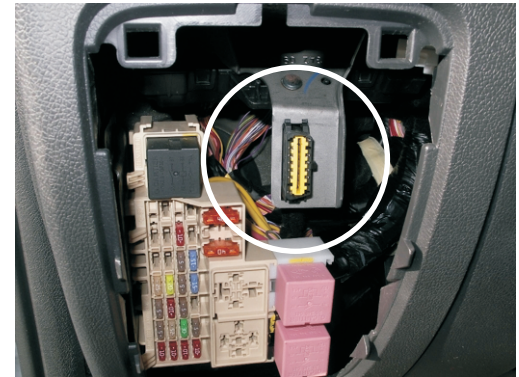
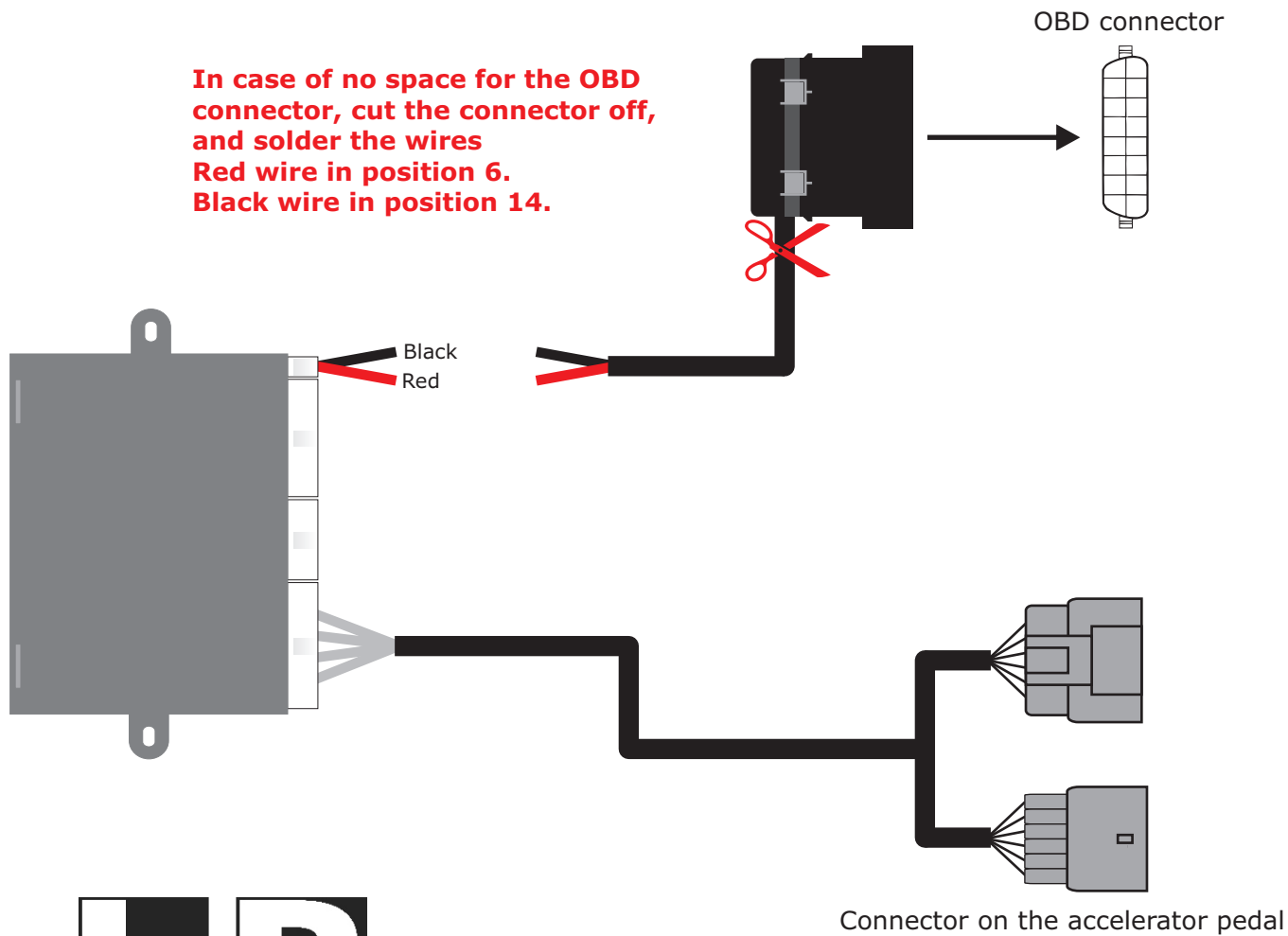
- 1 pcs. Unit.
- 1 pcs. 14-p connector.
- 1 pcs. 2-p connector for OBD.
- 5 pcs. Cableties.
- 1 pcs. Installation guide.
- 1 pcs. Owners manual.

### Some good advice.

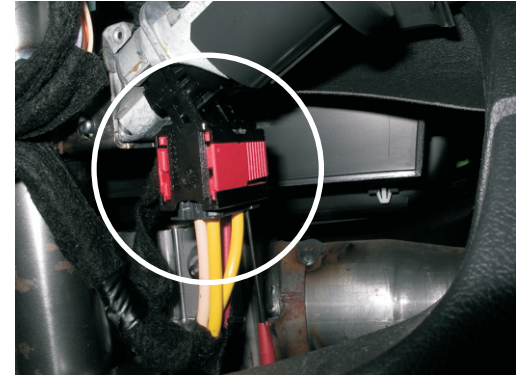
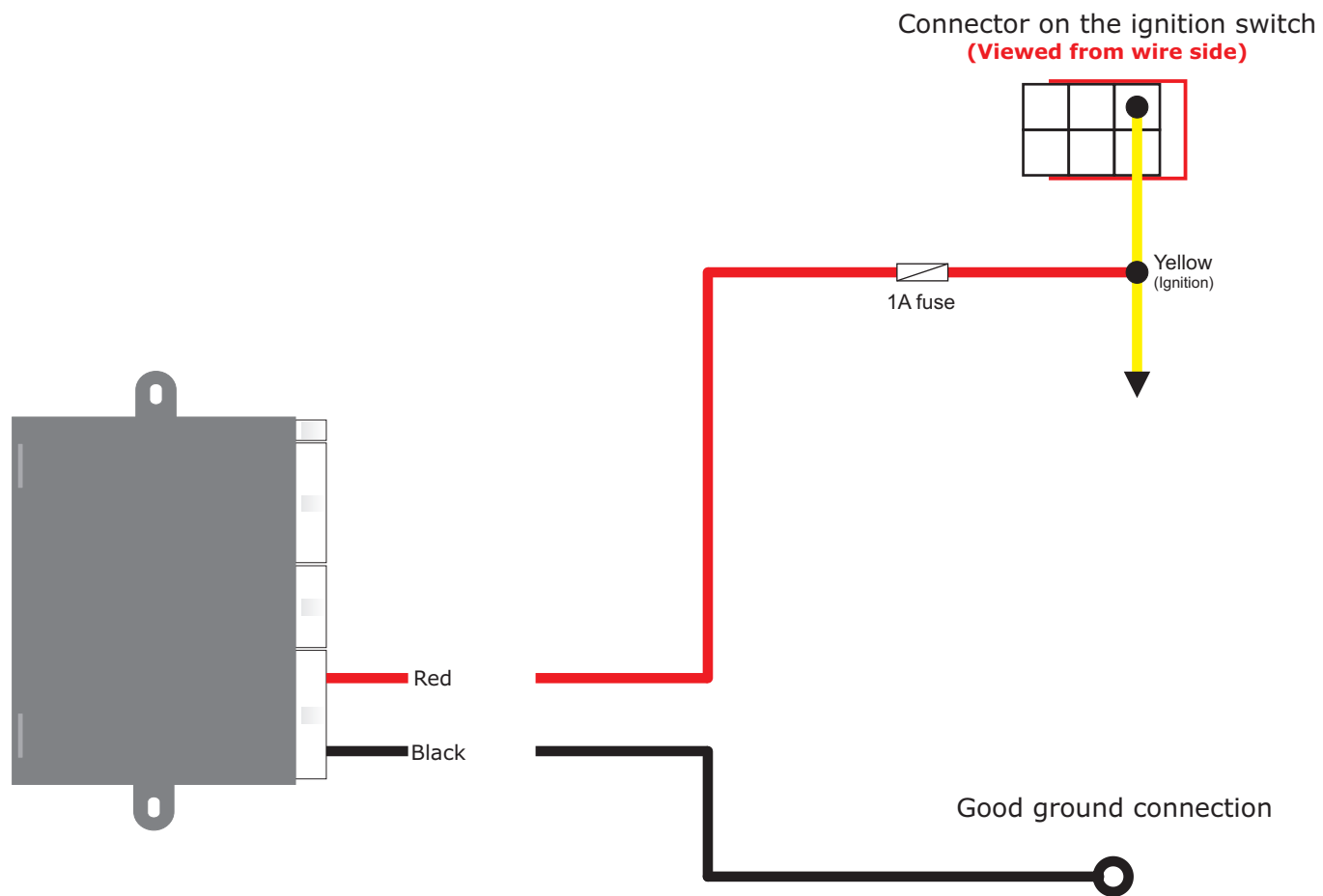
- Always disconnect the negativ cable from the battery, before installing.
- Always use the enclosed installation instruction for installing the E-Cruise.
- The rev. number on the unitlabel and the installation guide must be the same.
- Be aware that eg. radio code might has to be typed in.
- Find a location to install the unit and control switch.
- If any wire(s) left, then cut off and insulate.
- Only use multimeter to measure.
- Always drive the car for a complete test, before assemble the car.
- Flying lead(s) must be soldered.
- All wire connections are viewed from wire side.



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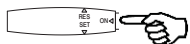
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## Trouble shooting guide.

### Enable Diagnostic mode:



Put ignition on the vehicle



Within 2 seconds, press and hold the ON function



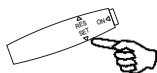
Wait until test LED lights up in RED color



Release ON function



Within 2 seconds



Press and hold SET function



The test LED lights up in ORANGE color



Release SET function



Within 2 seconds



Press RES function



The test LED will flash in all 3 colors, provided that no inputs are activated.  
Otherwise the test LED will light up red.



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### Enter test 1 - Brake function.

1. Activate RES briefly. Test LED will flash orange 1 time.
2. CANbus installation: (Model no. starts with 160xxxx).
3. Test LED lights up Red, and changes to green when pedal is depressed.

1. Analog installation: (Model no. starts with 153xxxx).
2. If both brake wires are installed correctly, the test LED will light up green.
3. Hot side of brake is defective = test LED lights up red.
4. Cold side of brake is defective = test LED lights up orange.
5. Both sides of brake defective = test LED flashes all 3 colors.
6. When brake pedal is depressed, the test LED lights up orange.

### Enter test 2 - Clutch function.

1. Activate RES briefly. Test LED will flash orange 2 times.
2. CANbus installation: (Model no. starts with 160xxxx).
3. Test LED lights up Red, and changes to green when pedal is depressed.

1. Analog installation: (Model no. starts with 153xxxx).
2. If clutch wires are installed correctly, the test LED lights up green.
3. If clutch is defective, the test LED lights up red.
4. When clutch pedal is depressed, the test LED lights up red.

### Enter test 3 - Accelerator pedal function (the engine must not run).

1. Activate RES briefly. Test LED will flash orange 3 times.
2. The test LED will slowly flash red/green.
3. Depressing the accelerator pedal will increase the freq. of the flashing.

### Enter test 4 - VSS function (the engine must be running).

1. Activate RES briefly. Test LED will flash orange 4 times.
2. If VSS is on CAN, the test LED will flash green if correct ID is received.
3. If VSS is analog, the test LED will flash green when vehicle is moved.

### Enter test 5 - TACHO function (the engine must be running).

1. Activate RES briefly. Test LED will flash orange 5 times.
2. If TACHO is on CAN, the test LED will flash green if correct ID is received.
3. If TACHO is analog, the test LED will flash green when RPM is raised.

### Enter test 6 - Setup to Automatic gear.

1. Activate RES briefly. Test LED will flash orange 6 times. (Skip test, if car is manual gear).
2. Activate and hold down the brake pedal.
3. Activate SET briefly = test LED lights up red.
4. Activate SET briefly again = test LED lights up orange. E-Cruise is set for automat gear.  
If this function is activated by mistake. The test procedure must be entered from start.
1. Activate and hold down the brake pedal.
2. Activate SET briefly = test LED lights up green.
3. Activate SET briefly again = test LED lights up orange. E-Cruise is set for manual gear.