

FAQ E-Cruise II

If You have completed the trouble shooting test on page two, then the control lever basic funtions are ok.

If the LED on the control lever turns to green, and when pressing "Set" it shortly turns to orange, but then green again. (EC-80 Lever only):

A signal is missing. Try the speed limiter function. (EC-80 Lever only) If the speed limiter works, then it is a clutch or brake light switch issue. If the limiter does not work, check CAN bus wires / analog installation. LED is located on the EC-80 Lever and the E-Cruise unit.

If an engine fault appears when cruise is off:

Check if harness / connectors for the accelerator pedal are installed according to the installation guide. (Connectors may not be fully pressed together.) Some installations have a seperate ground connection. It is **very** important that it is an original common ground point.

If engine fault only appears when cruise is set:

Measure voltage on circuit 1 (green-orange) & circuit 2 (black-yellow) pressed and depressed (ex. 0.75 - 4.56 & 0.38 - 2.29)

Cruise speed is not stable (fluctuating):

Take a test drive on a flat road at 50 kmh in 4.th gear.

Turn E-Cruise "On" and then "Set".

How does it react? Does the E-cruise take over the speed at once and regulate the speed at 50 kmh, speed drops and then returns to 50 kmh, or speed increases and then returns to 50 kmh.

Repeat, but at 80 kmh and 5.th gear.

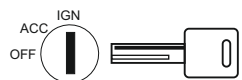
When does the speed fluctuate ?: Straight road, up-downhill, at which speed?

Contact LP.

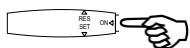


Trouble shooting guide.

Enable Diagnostic mode:



Put ignition on the vehicle



Within 2 seconds, press and hold the ON function



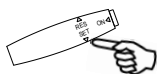
Wait until test LED lights up in RED color



Release ON function



Within 5 seconds



Activate SET function briefly



The test LED lights up in ORANGE color



Within 5 seconds



Activate RES function briefly



The test LED will flash in all 3 colors.
Continue the test according to the right.

Reaction to the individual tests, requires that the function is active

Test 1 - Brake function. Activate RES briefly. Test LED will flash orange 1 time.

CANbus installation: (No wires mounted on the brake connector).

1. Test LED lights up Red, and changes to green when pedal is activated.

Analog installation: (Wires mounted on the brake connector).

1. If both brake wires are installed correctly, the test LED will light up green.
2. Hot side (12V input) of brake is defective = test LED lights up red.
3. Cold side (12V output) of brake is defective = test LED lights up orange.
4. Both sides of brake defective = test LED flashes all 3 colors.
5. When brake pedal is activated, the test LED lights up orange.

Test 2 - Clutch function. Activate RES briefly. Test LED will flash orange 2 times.

CANbus installation: (No wires mounted on the clutch connector).

1. Test LED lights up Red, and changes to green when pedal is activated.

Analog installation: (Wires mounted on the clutch connector).

1. If clutch wires are installed correctly, the test LED lights up green.
2. If clutch is defective, the test LED lights up red.
3. When clutch pedal is activated, the test LED lights up red.
4. If it does not change to red, it could be set as automatic (Test 6)

Test 3 - Accelerator pedal function (engine off). Activate RES briefly. Test LED will flash orange 3 times.

1. The test LED will slowly flash red/green.
2. Activating the accelerator pedal will increase the freq. of the flashing.

Test 4 - VSS function (engine running). Activate RES briefly. Test LED will flash orange 4 times.

CANbus installation: (Purple wire is not connected).

1. The test LED will flash green if correct ID is received.

Analog installation: (Purple wire is connected).

1. The test LED will flash green when vehicle is moved.

Test 5 * - TACHO function (engine running). Activate RES briefly. Test LED will flash orange 5 times.

CANbus installation: (Red/Yellow wire is not connected).

1. The test LED will flash green if correct ID is received.

Analog installation: (Red/Yellow wire is connected).

1. The test LED will flash green when RPM is raised.

Test 6 - Setup to Automatic gear. Activate RES briefly. Test LED will flash orange 6 times.

1. Activate and hold down the brake pedal.
2. Activate SET briefly = test LED lights up red.
3. 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.

Setup to Manual gear.

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.

* Only if RPM is on CAN bus or connected analog. Normally not used.
Described on front page of installation guide

Ex. Signals on CAN: Brake - **RPM** - VSS