

EL-PAS *e*-Cruise II

Installation instructions for
Toyota Auris & Corolla all E-Gas models Production 2007 - 2012



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If the vehicle is equipped with automatic transmission:

The E-Cruise II must be programmed.

See last page. "Enter test 6 - Setup to Automatic gear".

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.	8-p connector.
1 pcs.	2-p connector for OBD.
1 pcs.	Universal LED.
5 pcs.	Cableties.
1 pcs.	Installation guide.
1 pcs.	Owners manual.
1 pcs.	Drill template.
1 pcs.	Screws for the switch.

Genuine parts required is not available from EL-PAS.

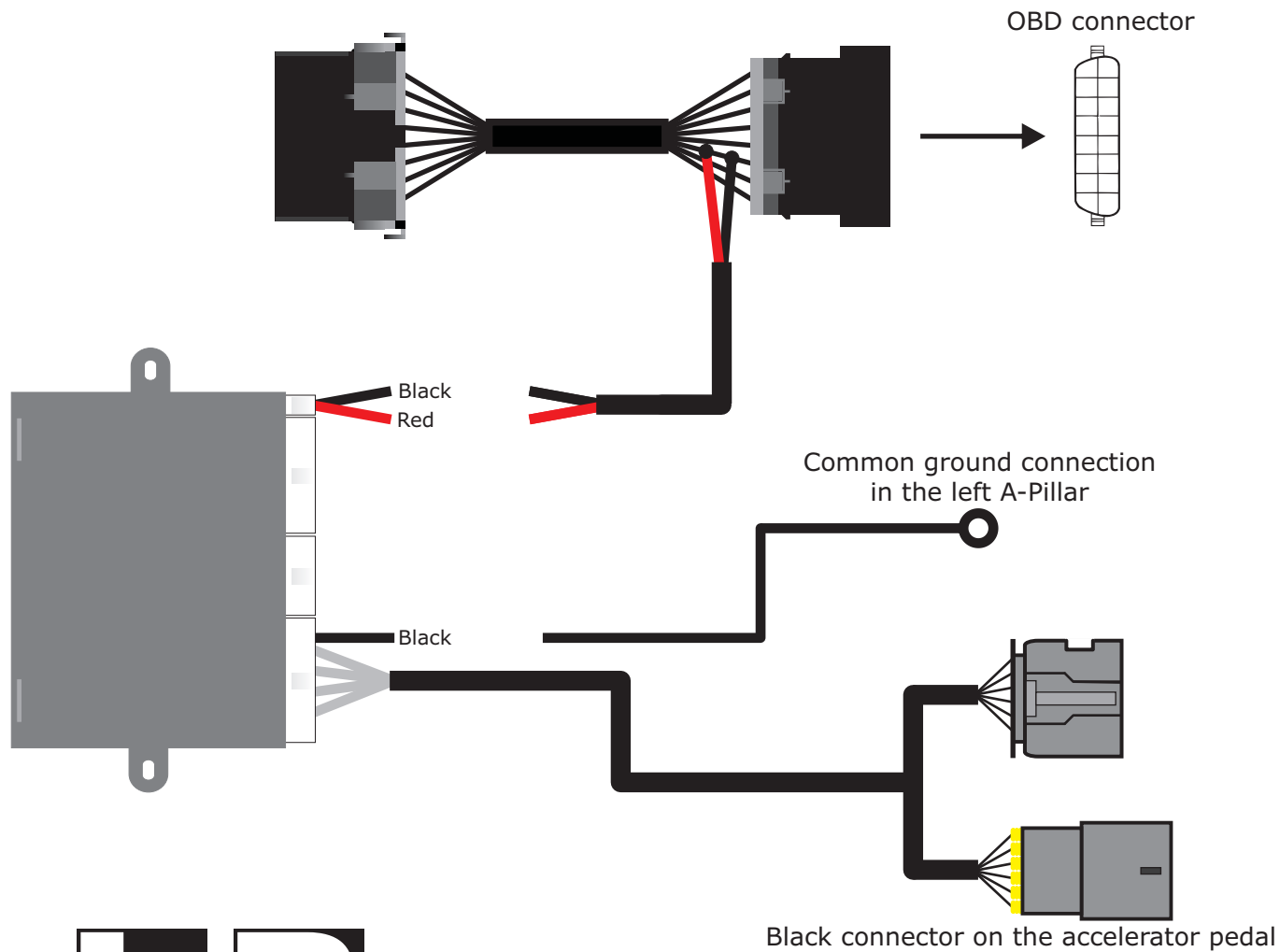
1 pcs.	84632-34011	Switch.
1 pcs.	84633-48020	Wire.
1 pcs.	84306-12110	Clockspring for 1.4 Terra only.

Some good advice.

- Always disconnect the negativ cable from the battery, before installing.
- Always use the enclosed installation instruction for installing the E-Cruise.
- Check that the rev. number on the unit label, is the same compared to the rev. number in the lower right corner of the installation instruction.
- 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 terminal side.



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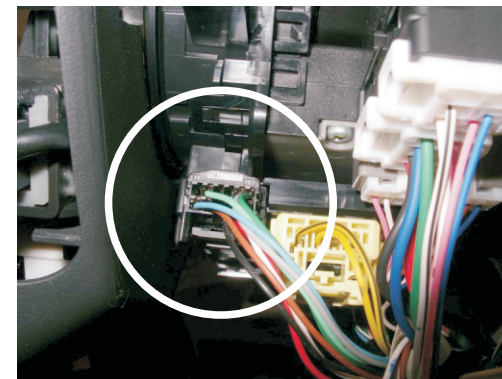
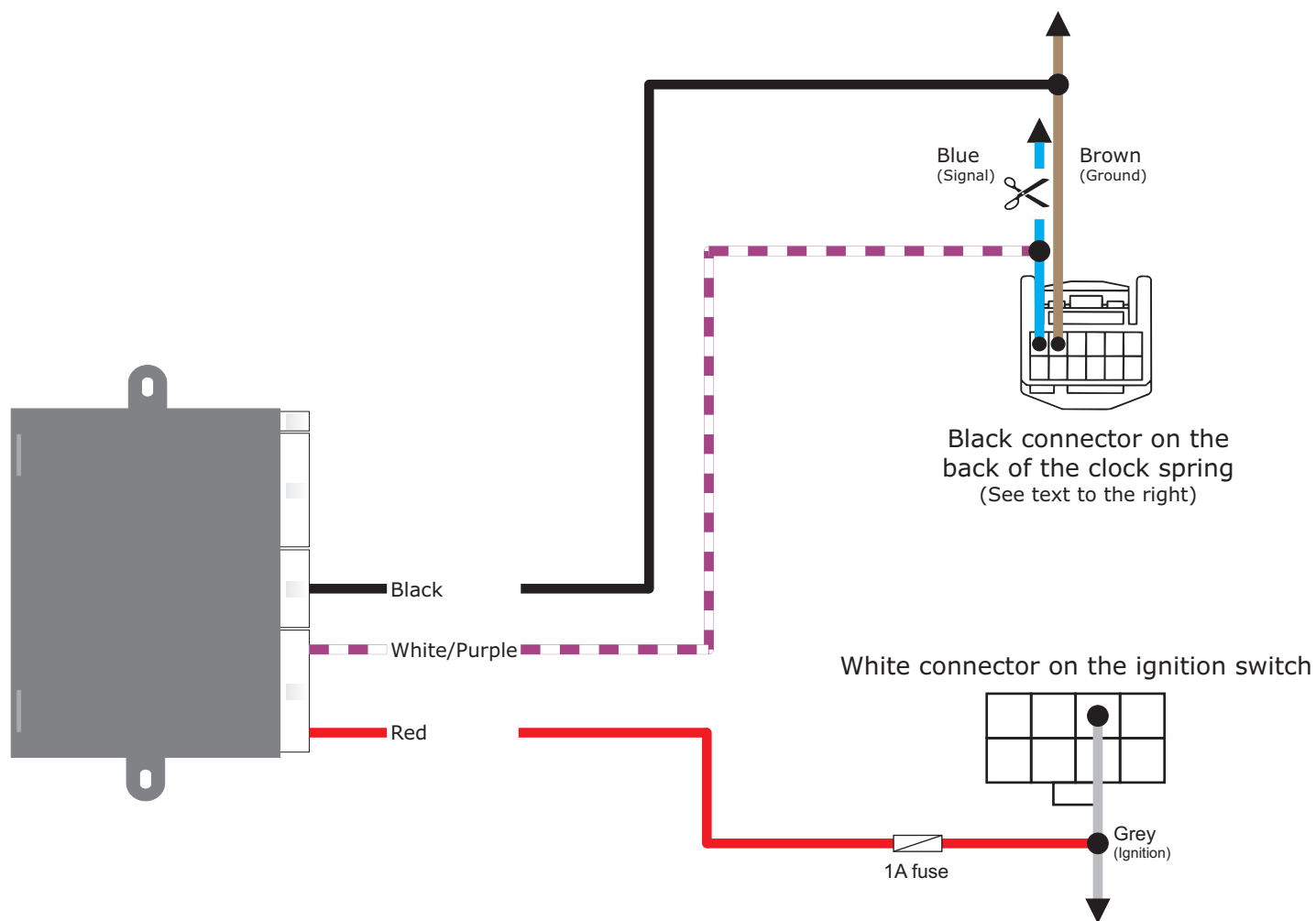
OBD connector



Dismount the originale OBD connectotor from the bracket, and connect the enclosed Y cable. Mount the other end of the Y cable in the bracket.

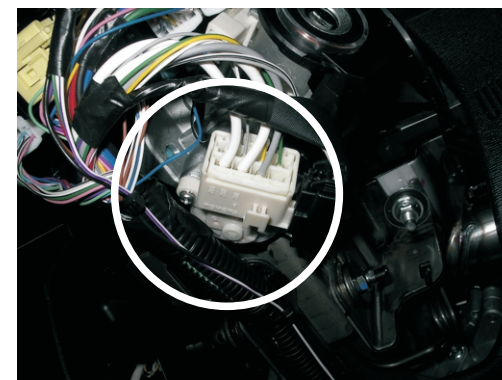


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Cut the Blue wire in position 1 and solder the White/Purple wire from the E-Cruise onto the wire pointing against the connector. Solder the Black wire from the E-Cruise onto the Brown wire in position 2.

If Brown and Blue wires is not present, insert the Black and White/Purple in the connector.



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Disconnect the airbag in the manner described by TOYOTA

Toyota produced in England/Turkey: (Note, drill template for before and after facelift).

Cut the template after the line, mount it on the right side of the steering wheel so the edge is flush with edge against the airbag, and the small hole fits with hole in plastic part.

Use a 28mm drill. See fig. 1

Mount the connector for the lever in place, and install the lever with the two enclosed screws. Fig. 2.

Mount the connector from the lever, in the 4-pol connector for the clock spring. Fig. 3.

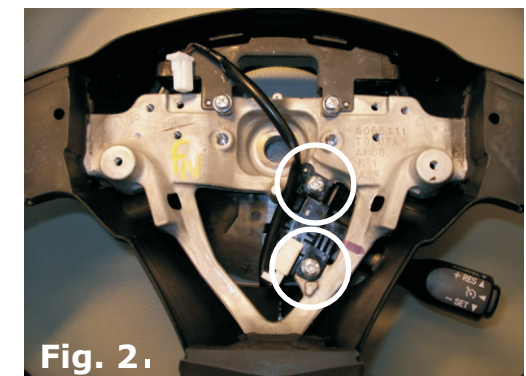
Toyota produced in Japan:

Dismount the plastic cover on the right side. Cut the template after the line and mount it on plastic cover. Use a 28mm drill.

Mount the connector for the lever in place, and install the lever with the two enclosed screws. Fig. 2.

Mount the connector from the lever, in the 4-pol connector for the clock spring. Fig. 3.

Remount the airbag.



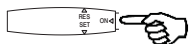
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Trouble shooting guide.

Enable Diagnostic mode:



Put ignition on the vehicle



Within 2 seconds, press and hold the ON function



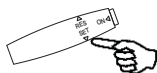
Wait until test LED lights up in RED color



Release ON function



Within 2 seconds



Press and hold SET function



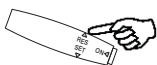
The test LED lights up in ORANGE color



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.