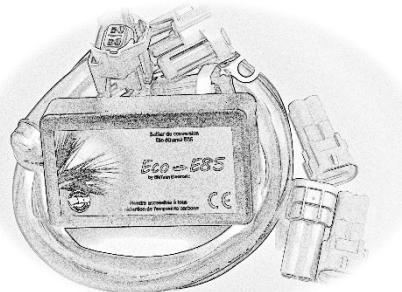




Quickstart Guide



MOUNTING ON THE VEHICLE



We have produced a video tutorial that includes all the assembly steps. You will find it by scanning the QR-Code located on the side.

For easy installation, it is strongly recommended to free up all the space necessary to position the Eco-E85 box.

When passing the harness, **it is mandatory to leave it away from any source of heat and/or abrasion.**

Similarly, when fixing it, position the box away from any substantial splashing of water.

Before starting, fill the tank with E85.

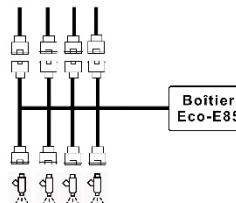


You can find the digital manual by scanning the QR-Code located on the side.

Before any operation, first disconnect the battery.

GENERAL ASSEMBLY PRINCIPLE

Your Eco-E85 unit is inserted between the engine harness and the injectors as shown in the diagram below.



GENERAL ASSEMBLY PRINCIPLE

HARNESS ASSEMBLY



The first step in installing your Eco-E85 box is to assemble the harness that is supplied in your kit.

By scanning the QR-Code, you will have access to a video tutorial which will show you in detail the different stages of assembly of the beam.



Disconnect all injectors

Using a multimeter, test the continuity between the terminals of 2 different connectors.



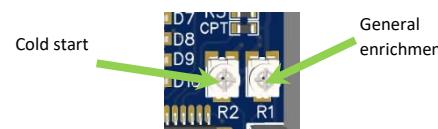
Locate the common wire and insert the red wire there.

Remark : When marking the common wire, insert the provided male connector into the female connector to make the marking. If you position it next to it, you risk inverting the position of the common wire.

Warning: reversing the polarities and your motor will not work

ADJUSTMENT

The Eco-E85 unit has two adjustment potentiometers: one for the general enrichment parameter, the other for the cold start adjustment.

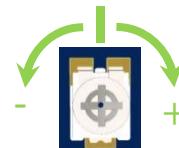


The **cold start** enrichment parameter is **added to the general enrichment**.

For the two potentiometers, the setting varies the enrichment proportionally between 0% and 40%.

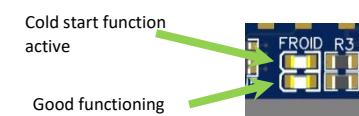
- At the stop, when you turn to the **left**, you have an enrichment of **0%**.
- At the stop, when you turn to the **right**, you have an enrichment of **40%**

WARNING :
Please handle with care the potentiometer with an adapted screwdriver..



DISPLAY LEDS

Your Eco-E85 box is fitted with two display LEDs: one indicating correct operation of the computer (green colour), the other for the current operation of the cold start aid (blue colour).



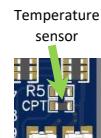
Remarks :

- The **blue LED** lights up only when the **cold start function** is **active**
- If the **green LED** does not light up, the **polarity of the injectors has been reversed**

COLD START OPERATION

The Eco-E85 case is equipped with an electronic temperature sensor directly soldered on the board. It sends the temperature information to the calculation component.

During start-up, the cold start function activates if a low temperature is detected. The blue LED lights up. About 30 seconds after the engine has started, the enrichment provided by this function decreases gradually until it is no longer active. The blue led turns off.



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Fault finding guide

Problem	Point of vigilance		Solution
Engine does not start	The green light is off		Check the polarity of the injectors, the wires are reversed
	My tank contains mostly SP95		The Eco-E85 box allows you to operate your vehicle only with E85. Empty the current fuel tank and fill it with E85.
	My tank contains mostly E85		Check the polarity of the injectors as in the dedicated tutorial (see overleaf by scanning the QR-Code) Adjust the potentiometers (you certainly have a setting that is too low)
Following the installation of the box, I have the engine light on	My tank contains mostly SP95		The Eco-E85 box allows you to operate your vehicle only with E85. Empty the current fuel tank and fill it with E85.
	My tank contains mostly E85		Adjust the case as indicated on the back Check / replace the Lambda sensor (as a reminder, it must be replaced every 100,000 km)
Following the installation of the box, my engine malfunctions	My tank contains mostly SP95		The Eco-E85 box allows you to operate your vehicle only with E85. Empty the current fuel tank and fill it with E85.
	My tank contains mostly E85		Adjust the case as indicated on the back Check / replace the Lambda sensor (as a reminder, it must be replaced every 100,000 km)
Difficult starting when the engine is hot	My tank contains mostly SP95		The Eco-E85 box allows you to operate your vehicle only with E85. Empty the current fuel tank and fill it with E85.
	My tank contains mostly E85		On some vehicles, it may be necessary to accelerate slightly to aid starting
			Adjust the case as indicated on the back Check / replace the Lambda sensor (as a reminder, it must be replaced every 100,000 km)
Difficult starting when the engine is cold	My tank contains mostly SP95		The Eco-E85 box allows you to operate your vehicle only with E85. Empty the current fuel tank and fill it with E85.
	My tank contains mostly E85		Slightly increase the cold start enrichment setting as shown on reverse Check / replace the Lambda sensor (as a reminder, it must be replaced every 100,000 km)

Your kit is designed to run your vehicle on E85. The use of SP98/95/E10 instead of ethanol may, depending on the vehicle, cause engine malfunction and/or illumination of the engine fault warning light.

Have you checked everything and still having problems?
Send us an email at the following address: contact@e85factory.fr