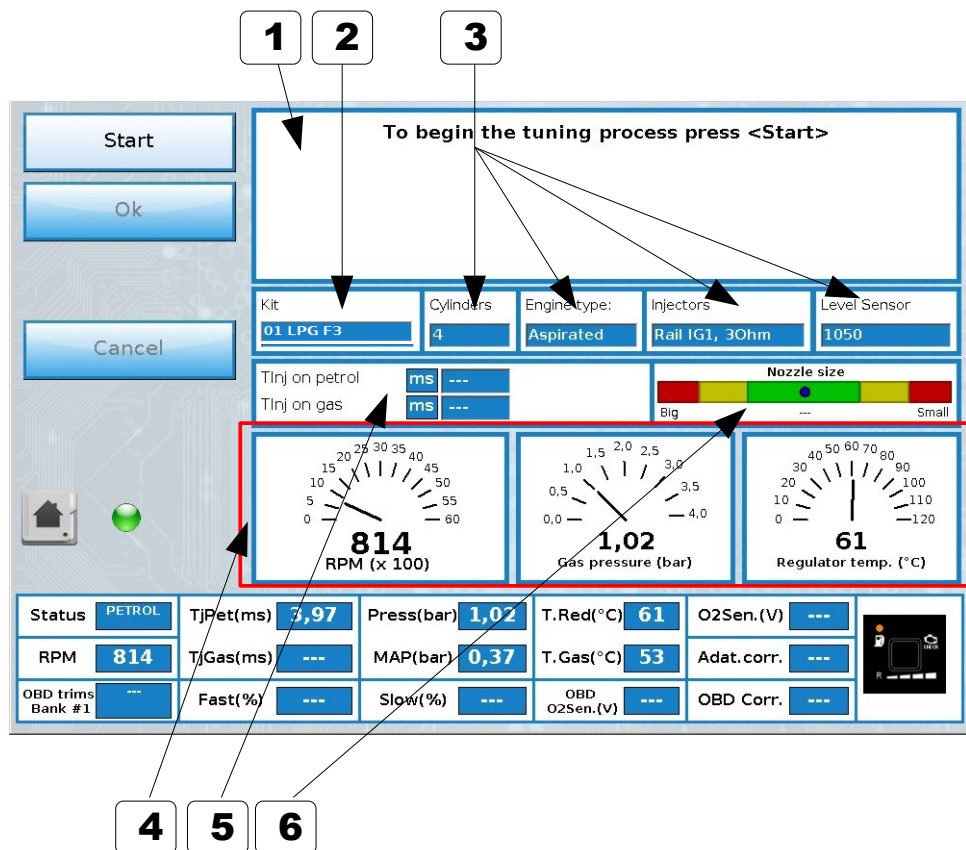


# QUICK CALIBRATION

## 1- Autocalibration: Main folder

Study just a minute how the Autocalibration Main Folder presents the information



WHEN THIS PAGE IS SHOWN, FOLLOW THE STEP BY STEP INSTRUCTION AS SHOWN IN THE NEXT CHAPTER AND ON THE SCREEN .... IT IS POSSIBLE TO REPEAT THE PROCESS IT'S EASY

	Description	Value
1	<b>INSTRUCTIONS/DIALOG BOX</b> Follow the instructions in this box	
2	<b>KIT TYPE</b> In case of a <b>brand new ECU</b> , the choice is made after connection, when a screen as below is shown:  <div data-bbox="1299 603 1825 896" data-label="Image"> </div> In case of an already calibrated unit, it appears: <b>"Preset already done: do you want to skip it?"</b>	
3	<b>PARAMETERS to be Confirmed/Changed</b> During the process, these parameters will be asked for confirmation or modification. See next chapter	
4	<b>ADDITIONAL MONITOR</b>	
5	<b>INJECTION TIMES DISPLAY</b> When on petrol, petrol times are shown When on gas, petrol time is shown	
6	<b>NOZZLE SIZE INDICATOR</b> At the end of the process, can give an idea about how the size is close to the correct one. There are also error messages (see next chapter)	

# QUICK CALIBRATION



## 2 – Autocalibration: Step by step ... (1/3)

Now follow this easy step by step guide after the installation is complete, and see how it's easy and fast ...

<p><b>1</b></p>		<p>At the first “Key ON” after installation, this is the first step when the ECU is found never calibrated before. Choose the right kit installed: <b>90% of the result depends on this choice.</b></p>
<p><b>2</b></p>		<p>In the HOME FOLDER select “Autocalibration” to enter the “Autocalibration” main folder (explained in above page)</p>
<p><b>3</b></p>		<p>Now, start to follow the dialog box and execute what is requested time by time. <i>Engine running on petrol</i> First command says: “Press START” ..</p>
<p><b>4</b></p>		<p>Select/confirm the cylinder number (4,3,2,1) and confirm by pressing Enter or OK</p>
<p><b>5</b></p>		<p>Select/confirm the engine type (Aspirated or Turbo) and confirm by pressing Enter or OK</p>
<p><b>6</b></p>		<p>Select/confirm the Injectors type (Depends on the list) and confirm by pressing Enter or OK</p>

# QUICK CALIBRATION



## 3 – Autocalibration: Step by step ... (2/3)

Follow all steps and all questions ....

7	<p>Select level sensor from the combo below and press &lt;Ok&gt;</p>	<p>Select the Level Sensor type (Depends on the list) and confirm by pressing Enter or OK</p>
8	<p>Press deeply accelerator pedal for multiple times. Detected maximum time: 19,05 ms To skip this part, press &lt;Skip&gt; To proceed, press &lt;Ok&gt;</p>	<p>Press suddenly and deeply the accelerator pedal, and as the engine reaches high RPM (4500 RPM) release the pedal. Repeat for a few times (3-5). Then press OK</p>
9	<p>Sampling injection time Please wait</p>	<p>Wait with the engine idling while the Tinj petrol is acquired ...</p>
10	<p>Lead engine's RPM above 2500</p>	<p>Lead the engine above 2500, but not over 3000. Important is to keep accelerator pedal steady ... do not follow RPM fluctuation</p>
11	<p>Keep throttle pedal (accelerator) steady Sampling injection time</p>	<p>Important is to keep accelerator pedal steady ... do not follow RPM fluctuation</p>
12	<p>Release the engine on idle</p>	<p>Release now the accelerator pedal and leave the engine idling</p>

# QUICK CALIBRATION



## 4 – Autocalibration: Step by step ... (3/3)

A few minutes later, it's done!

<p><b>13</b></p>		<p>Wait with the engine idling ...</p>
<p><b>14</b></p>		<p>The map is being calculated. The Nozzle size bar gives an indication about the size of injector's nozzles to be suitable or not</p>
<p><b>15</b></p>	<p><b>NOTE:</b> OBD Selection only with 48 poles ECU</p>	<p>If Disabled is the choice, <b>THE CALIBRATION IS COMPLETED.</b></p> <p>For more calibration steps, see next step</p>

	<p>This step is possible and needed only if in step 15 the choice was "Guided (MAP)" or "Customer (MAP)" (see relevant chapter for more details)</p>	
<p><b>16</b></p>		<p>Switch loads ON (A/C, lights, etc.) and accelerate slowly and constantly, in order to turn the RED led to GREEN color. As soon as a sufficient number of acquisitions is reached, the instruction in the circle comes active. Press OK and release the pedal.</p> <p><b>AUTOCALIBRATION with LOAD ACQUISITION IS COMPLETED</b></p>
<p>Now it's possible to see the results in "MAPPING: MAIN FOLDER" and correct/modify the map. It is also possible to use the facilities: "MAP Adaptivity" (or "OBD Adaptivity" only in 48 poles model) to fine tune the map.</p>		