

## Connecting the Z125 Pro(BR125H) to the ENIGMA SemiFull Bluetooth version

Supported models of this manual

**ENIGMA type** ENIGMA SemiFull SF2510RTF

**Vehicle type** KAWASAKI Z125Pro (BR125H)

Installation should be done in a safe place.

A basic knowledge of Z125Pro(BR125H) maintenance is necessary.

On a standard bike, the ECU placed under seat.

This can be accessed by removing the seat. Remove the coupler which is connected to the ECU, please connect the coupler that has come out from ENIGMA SemiFull RTF to the ECU and the vehicle body side. Please make sure that the lock sound is a "click".

In order to prevent the reporting water from entering into the ENIGMA SemiFull inside from the base of the wiring from the ENIGMA SemiFull , it is recommended that you install in the lower wiring side in the vertical the ENIGMA SemiFull.

### **The Purple wire is the service output wire.**

The ENIGMA SemiFull will output 5V each crank rotation (or Once every two crank revolutions ). Most commercially available digital tachometers are supported. Exact values will be displayed if these cables are connected. They are useful to various applications. Do not short-circuit by taping when there is no need.

### **The White wire is a pit lane limiter switch service and is not to be connected to the ECU.**

When you do not want to use this function, please tip of the wire is insulated with tape so as not to short against the metal part.

### **The Light Green wire is a wire for the MAP changeover switch.**

When you do not want to use this function, please tip of the wire is insulated with tape so as not to short against the metal part.

**The service output wire (Purple) , the pit lane limiter switch wire (White) , and the MAP changeover switch wire (Light Green) are contained within a wire wrapped in spiral tubing. Please remove wires from the spiral tubing as needed for extension or other use.**

Please use the ENIGMA Semifull dedicated app for the iOS/Android version of the app. Download the **Z125Pro(BR125H)** dedicated ENIGMA Semifull app from the model selection screen in the app. Other Vehicle dedicated apps cannot be used.

Please use the **Z125Pro(BR125H)** dedicated ENIGMA Semifull PCsoftware. Other Vehicle, Other ENIGMA dedicated PCsoftwares,cannot be used.

The ENIGMA SemiFull operating software for PC can be downloaded free from our website.

<http://www.dilts-japan.com>

**The FI lamp on the Z125 remains illuminated while the engine is off, even if there are no errors.**

**When the engine starts, the FI lamp normally turns off.**

After connecting the ENIGMA Semi-Full and turning the ignition key ON with the throttle fully open, the ENIGMA Semi-Full enters communication mode.

To visually confirm this state, the FI lamp flashes. However, the FI lamp remains lit until the engine starts. Communication is possible even in this state. When the engine starts, the FI lamp flashes twice in EASY mode or three times in PRO mode while in communication mode.

When the throttle is off and the ignition key is ON, the ENIGMA Semi-Full is not in communication mode.

Once the engine starts, the FI lamp turns off as usual. Even in this state, the ENIGMA Semi-Full's fuel adjustment and limiter functions remain active. Therefore, when not performing settings adjustments, use the system with the throttle off and ignition key ON.

**Installing the ENIGA Semi-Full for the Z125 cancels the stock ECU's 9,200 RPM fuel limiter and 11,000 RPM ignition limiter.**

**If you set the ENIGMA Semi-Full's rev limiter to over 11,000 RPM via PC or smartphone and rev the engine beyond 11,000 RPM, the stock ECU will detect an ignition malfunction error and illuminate the FI lamp.**

**The error is detected only; the ECU does not enter emergency mode.**

**Riding with the FI lamp illuminated poses no problem, but it may mask other errors if they occur.**

**To clear the FI lamp, you must clear the error each time at a KAWASAKI dealership or using our separately sold DDCS, etc. Additionally, we offer a separately sold AUTO DDCS that can automatically clear the error when turning the main key OFF->ON if only the ignition malfunction error is present.**

**If you wish to avoid ignition malfunction errors altogether, set the ENIGA Semi-Full rev limiter to 11,000 rpm or lower.**

**When removing the O2 sensor, a separately sold blind coupler set is required.**

## Installation of the pit lane limiter switch

"White wire" that has come out from ENIGMA SemiFull is the wiring for the pit lane limiter switch installation.

Pit lane limiter to the rotation of the constant engine speed to control the speed only when the external switch ON

You control. Do those who want to use this feature by performing the following tasks.

In general, to buy a handle mounting switch, which is commercially available, it should be placed in easy-to-use position.

(If you are installing to handle and place easy to operate location does not interfere with operation)

Switch is common thing that cuts in the "OFF" position to connect with the "ON" position.

Switch is not suitable to be connected only when you press. be careful.

Connect the white line the installation of the switch is out of the ENIGMA SemiFull when finished.

Connect the white line to one of the terminals of the switch. The other is connected to ensure that "body earth".

**The most reliable of is to connect to the negative battery. Circuit will be burned down and unavailable when connecting to the positive wrong. Never done.**

This completes the installation of pit lane limiter switch with more work

**When you do not want to use the pit lane limiter function, please tip of the wire is insulated with tape so as not to short against the metal part.**

**Z125 is while the engine is stopped FI lamp even if there is no error lit. When the engine is started, usually FI lamp is off.**

ENIGMA SemiFull connection after the ignition key turned ON ENIGMA SemiFull at full throttle becomes a communication state, but flashes the FI lamp in order to confirm this state visually, until the engine start-up, FI lamp will remain lit. you. Communication in this situation is possible. When the engine is started, during the communication state FI lamp will double blink.

ENIGMA SemiFull when the ignition key ON the throttle closed becomes a state that does not communicate, FI lamp when the engine is started it will go out as usual. Since it has worked the fuel adjustment function and limiter function also ENIGMA SemiFull in this state, when not carried out, such as setting, please use the throttle closing of the ignition key ON.

**If you install a Z125 for ENIGMA SemiFull to cancel the ignition limiter of 11,000 revolution / min to normal ECU has. When you set the limiter of ENIGMA SemiFull to more than 11,000 revolution / min in the PC and Smartphone, and rotate the 11,000 revolution / min or more engine, normal ECU is FI lamp to detect the error of abnormal ignition is turned on. Error only is detected, ECU will not go to the emergency mode. Each time to clear the FI lamp, you must clear the error at the KAWASAKI dealer, or our DDCS. If you do not want to occur an error, please refer to the limiter setting of ENIGMA SemiFull below 11,000 revolution / min.**

ENIGMA Semi-Full for Z125 has a replayer function, but does not have an idling adjustment function.

Therefore, the idling adjustment part is not displayed on the REPLACER setting of the ENIGMA semi-full operation PC software and the ENIGMA setting screen of the smartphone app.

## Installation of the MAP changeover switch

"Light Green wire" that has come out from ENIGMA Semiful is the wiring for the MAP changeover switch installation. You can instantly switch between a two maps with the MAP changeover switch.

Do those who want to use this feature by performing the following tasks.

In general, to buy a handle mounting switch, which is commercially available, it should be placed in easy-to-use position. (If you are installing to handle and place easy to operate location does not interfere with operation.)

Switch is common thing that cuts in the "OFF" position to connect with the "ON" position.

Switch is not suitable to be connected only when you press. be careful.

Connect the Light Green line from the ENIGMA Semiful when finished the installation of the switch.

Connect the Light Green line to one of the terminals of the switch. The other is connected to ensure that "body earth". **The most reliable of is to connect to the negative battery. Circuit will be burned down and unavailable when connecting to the positive wrong. Never done.**

This completes the wiring for the MAP changeover switch with more work.

**When you do not want to use the wiring for the MAP changeover function, please tip of the wire is insulated with tape so as not to short against the metal part.**

**When switching maps, Be sure to transfer the data to both maps before starting to avoid engine trouble.**