

## Connecting the Z125 / Z125Pro to the ENIGMA Type-P Bluetooth version

Supported models of this manual

**ENIGMA type** ENIGMA Type-P (EBD510P / EBD510PRTF)

**Vehicle type** KAWASAKI Z125 / Z125 PRO

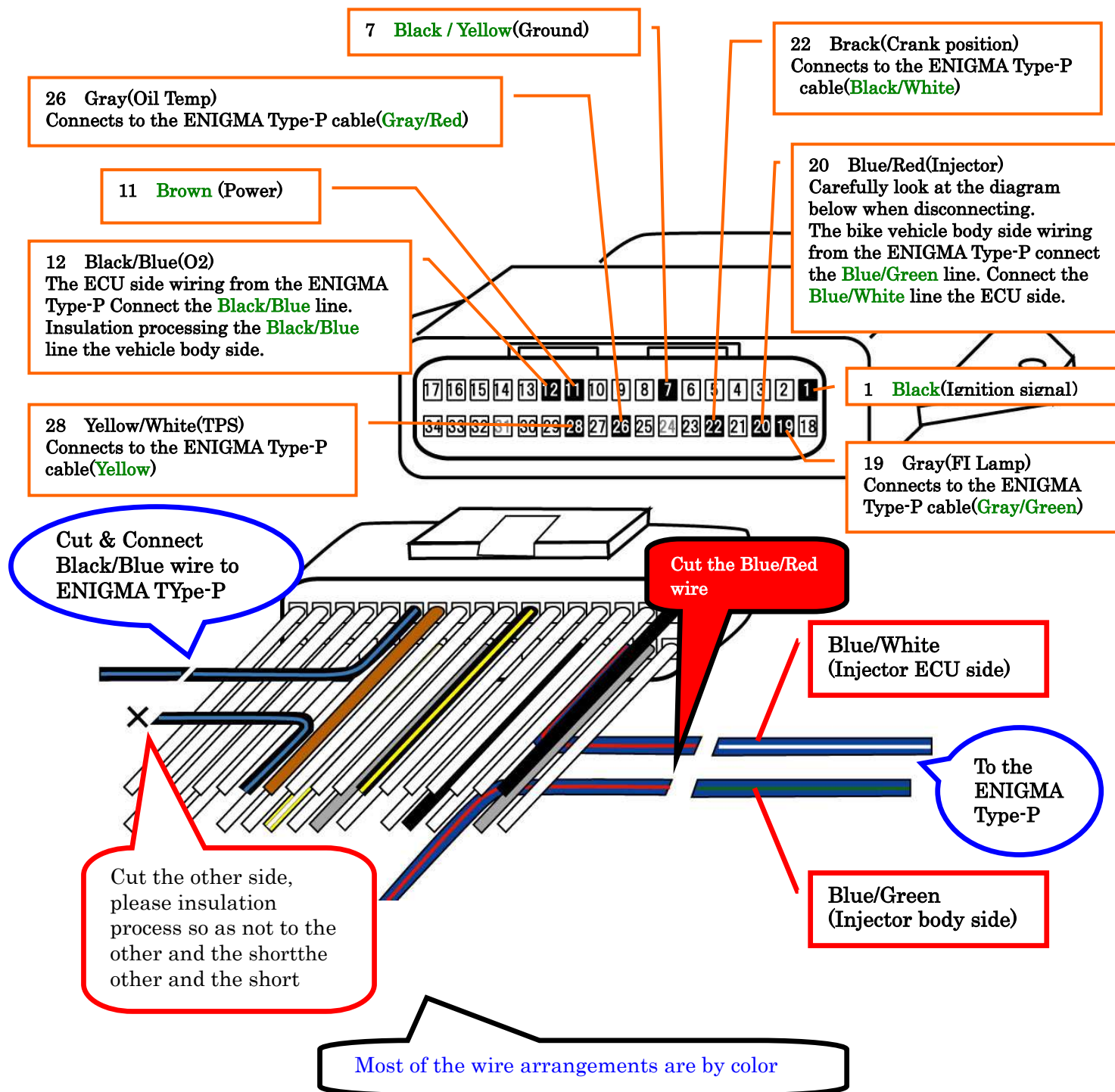
If you use the RTF type, remove the coupler which is connected to the ECU, please connect the coupler that has come out from ENIGMA FirePlusRTF to the ECU and the vehicle body side. Please make sure that the lock sound is a "click".

Installation should be done in a safe place. A basic knowledge of Z125/Z125Pro maintenance is necessary. On a standard bike, the ECU placed under seat. This can be accessed by removing the seat. Remove the 34-pin coupler then the ECU.

Make an **interrupt connection** from the ENIGMA Type-P wiring to the wiring on the coupler side.  
**(AN interrupt connection can made without cutting but by making a branch in the normal connection)**  
**Do not use an electro tap on the interrupt wiring connection. It causes many connection issues that are problematic to the operation of the ENIGMA Type-P. (Use solder or the like for improved reliability.)**

The wires from the ENIGMA Type-P will be the fundamentally the same, or similar to that of the wires it will connect to from the bike. Please carefully follow the diagram below when making the connection. There are a total of 10 wires.

- **The purple cable (revolution service cable) and the white cable(pit lane switch) are not to be connected to the ECU.**
- By cutting the No.20 Pin (Blue / Red) line of ECU (Injecttor), the bike vehicle body side wiring from the ENIGMA Type-P connect the Blue / Green line. Connect the Blue / White line the ECU side.
- No.19 Pin (Gray) line of ECU (FI lamp), Connect the Gray / Green wire from the ENIGMA Type-P.
- No.22 Pin (Black) line of ECU (Clank), Connect the Black / White wire from the ENIGMA Type-P.
- No.26 Pin (Gray) line of ECU (Oil temp), Connect the Gray / Red wire from the ENIGMA Type-P.
- No.28 Pin (Yellow/White) line of ECU (TPS), Connect the Yellow wire from the ENIGMA Type-P.
- By cutting the No.12 Pin (Black / Blue) line of ECU (O2 sensor), the ECU side wiring from the ENIGMA Type-P Connect the Black / Blue line. Insulation processing the Black / Blue line the vehicle body side.
- **In order to prevent the reporting water from entering into the Enigma Type-P inside from the base of the wiring from the ENIGMA Type-P , it is recommended that you install in the lower wiring side in the vertical the ENIGMA Type-P.**
- **The purple cable is a service cable and is not to be connected to the ECU.**
- **In such wiring mistake, if an error occurs in the ECU, you will need to have to clear the error, etc. KAWASAKI dealer.**



Terminal that connects to the ECU is 1, 7, 11, 12, 19, 20, 22, 26, 28 9places of.  
Please check the above diagram

The white line that has come out from ENIGMA Type-P is the wiring for the pit-limiter! Tip when not in use. Please insulated with tape so as not to short against the metal part.

The purple line is the service output line. The Enigma Type-P will output 5V each crank rotation. 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 limiter has not been canceled after the wiring connection is complete. It can be easily canceled by communicating with the Enigma Type-P operating appli/software on a smartphone or PC.

Please use the Z125/Z125 Pro dedicated ENIGMA dedicated app. This support ENIGMA type-P, but Other Vehicle, Other ENIGMA dedicated apps, cannot be used.

Please use the Z125/Z125 Pro dedicated ENIGMA PC software. This supports ENIGMA type-P, but Other Vehicle, Other ENIGMA dedicated PC software, cannot be used.

The ENIGMA Type-P operating software for PC can be downloaded free from our website.  
<http://www.dilts-japan.com>

## Installation of the pit lane limiter switch

"White wire" that has come out from ENIGMA Type-P 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 Type-P 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 Type-P connection after the ignition key turned ON ENIGMA Type-P 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 Type-P 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 Type-P in this state, when not carried out, such as setting, please use the throttle closing of the ignition key ON.