

## Connecting the FI-MONKEY ECU to the Enigma FirePlus Bluetooth version

Installation should be done in a safe place.

A basic knowledge of FI-MONKEY(Fuel injection car JBH-AB27-190～) maintenance is necessary.

There is an ECU under the seat and remove gas tank side cover and rubber mount.

Remove the 33pin coupler then the ECU.

Make an **interrupt connection** from the ENIGMA FirePlus wiring to the wiring on the coupler side.

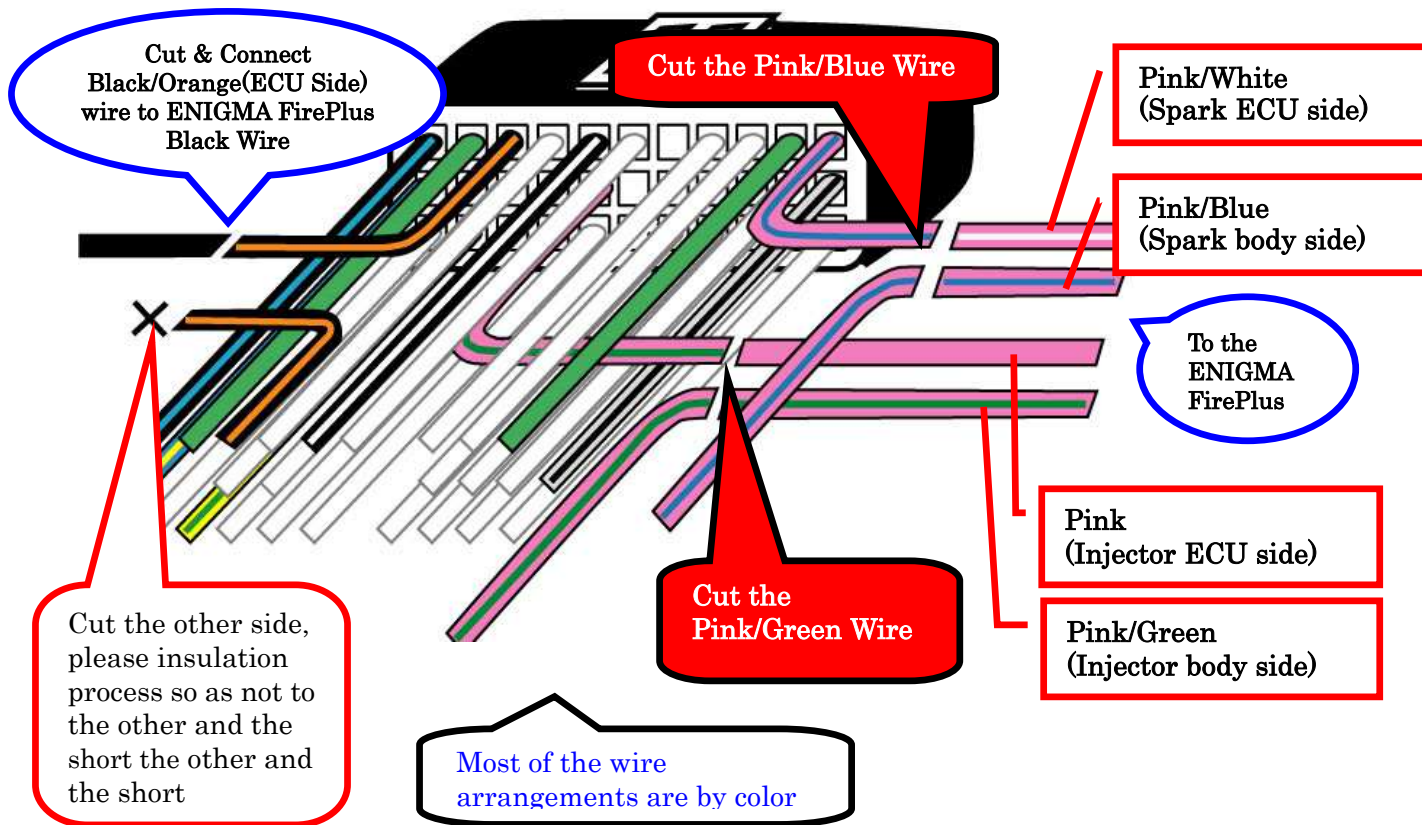
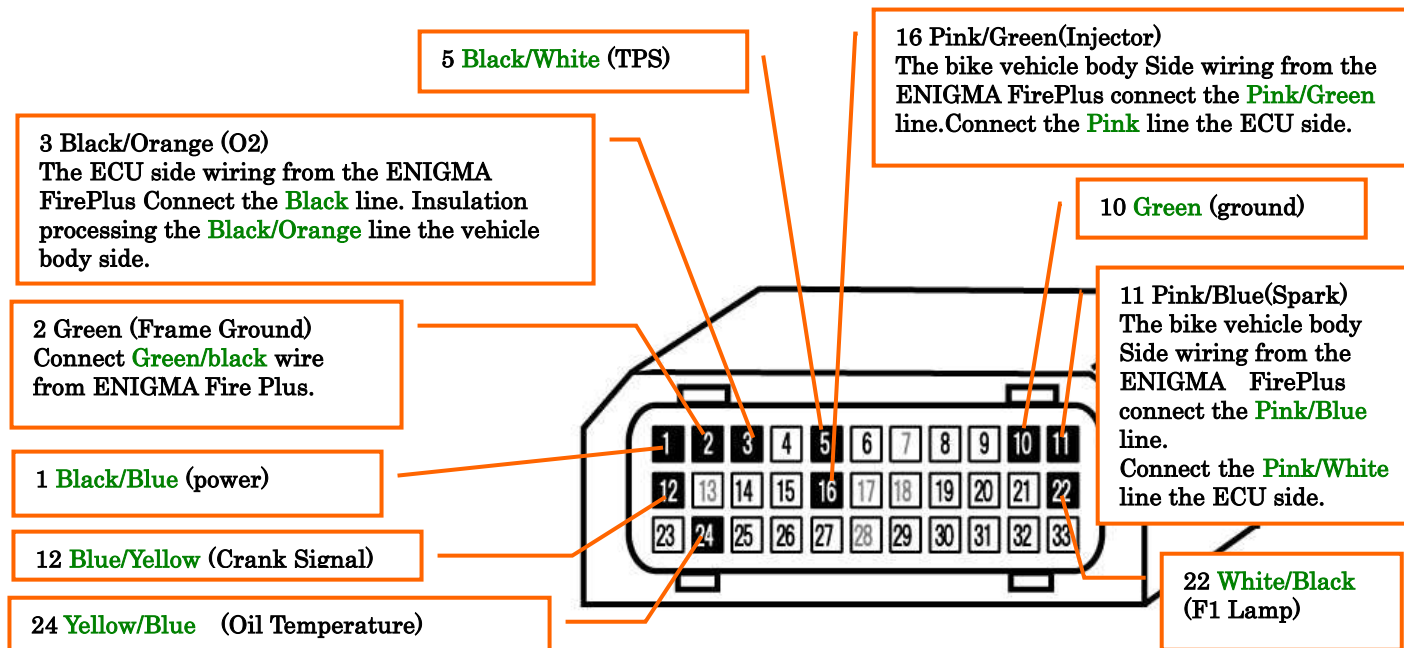
**(AN interrupt connection can made without cutting but by making a branch in the normal connection)**

**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 FirePlus. (Use solder or the like for improved reliability.)**

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".

**The wires from the ENIGMA FirePlus will be the fundamentally the same, or similar to that of the wires it will connect to from the motorbike. Please carefully follow the diagram below when making the connection. There are a total of 12 wires.**

- By cutting the No.11 Pin (pink / blue) wire of ECU (spark), the bike vehicle body side wiring from the ENIGMA FirePlus connect the pink / blue wire. Connect the pink / white wire the ECU side.
- By cutting the No.16 Pin (pink / green) wire of ECU (Injecttor), the bike vehicle body side wiring from the ENIGMA FirePlus connect the pink / green wire. Connect the pink wire the ECU side.
- By cutting the No.3 Pin (black / orange) wire of ECU (O2 sensor), the ECU side wiring from the ENIGMA FirePlus Connect the black wire. Insulation processing the black / orange wire the vehicle body side.**When you can't use replacer system,**
- Green / black line to be connected to the body earth (frame GND) or the No.2 Pin (green) wire of ECU or the minus terminal of the battery. Do not connect to the No.9 Pin and No.10 Pin (green) wire of the ECU .
- **In order to prevent the reporting water from entering into the ENIGMA FirePlus inside from the base of the wiring from the ENIGMA FirePlus , it is recommended that you install in the lower wiring side in the vertical the ENIGMA FirePlus.**
- **The purple wire is a engine revolution output service cable and is not to be connected to the ECU.**



Terminal that connects to the ECU is 1, 2, 3, 5, 10, 11, 12, 16, 22, 24 10 places of. Please check the above diagram

The purple line is the service output line. The ENIGMA FirePlus 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 FirePlus operating appli/software on a smartphone or PC.

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

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

## Replacer idle syncing

Idling engine speed of the FI MONKEY decide by the ECU.

Therefore, You can't do Idling speed up (or down) from the ENIGMA FirePlus.

When the ENIGMA FirePlus rotation speed and the ECU is determined by the different, fuel is rich or lean and engine stopped .

When the idling is stopped, Please move the slide bar to best position.

### **Caution**

**The MONKEY FI lamp blinks very dark. Please check in the dark around.**