

Connecting the JOG-ZR / VOX50 ECU to the ENIGMA Bluetooth version

Supported models of this manual

ENIGMA type ENIGMA (EBD230 / EBD230RTF / EUD230)

Vehicle type YAMAHA JOG-ZR (JBH-SA39J) / VOX

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 RTF 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 JOG-ZR/VOX50 maintenance is necessary. On a standard bike, the ECU will fixed with two Phillips head screws on the front lower left. This can be accessed by removing the front cowl. Remove the 34-pin coupler then the ECU.

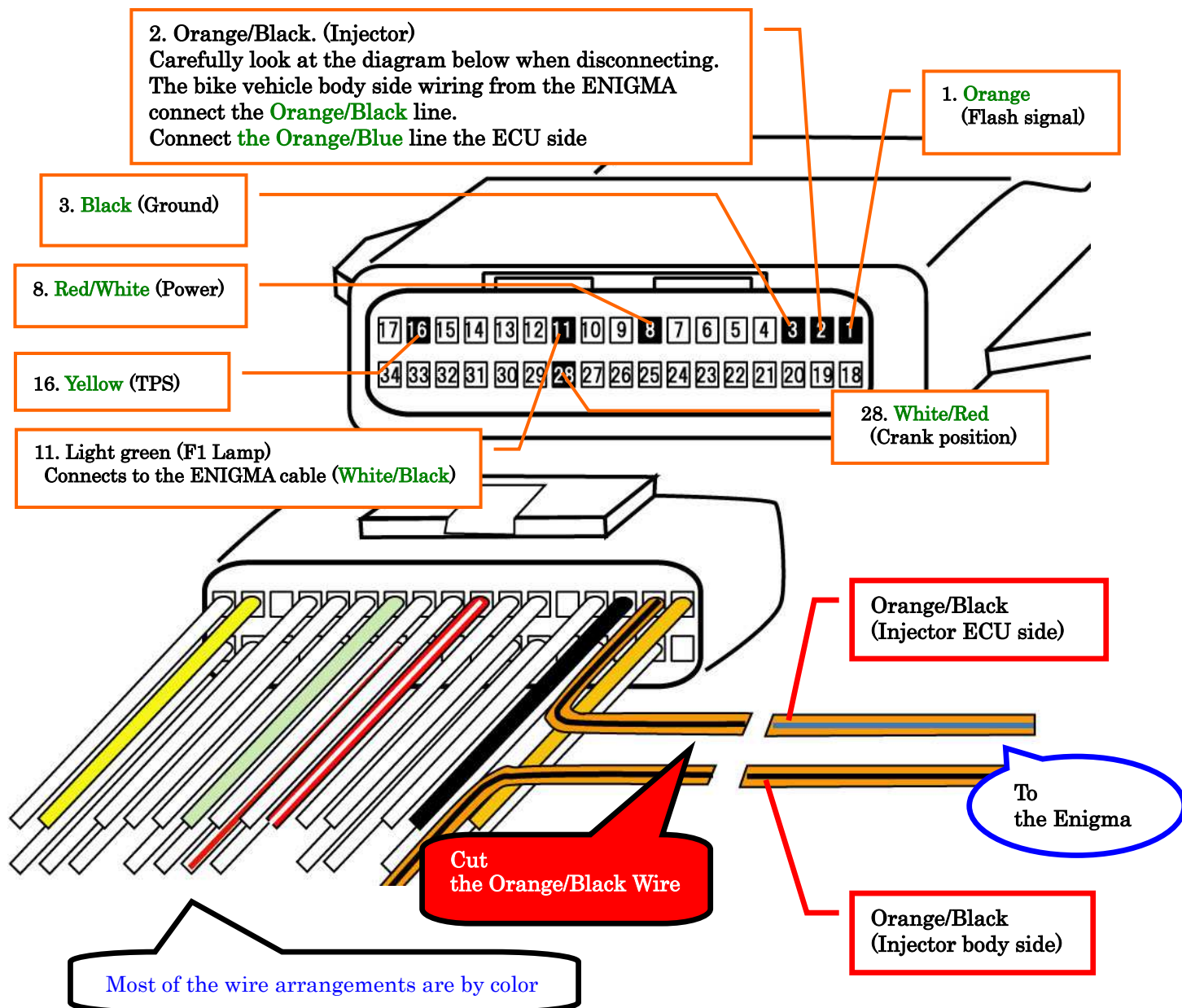
Make an **interrupt connection** from the ENIGMA wiring to the wiring on the coupler side.

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

The wires from the Enigma 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 8 wires. (USB type is a total of 7wires.)

- **The Purple cable is a service cable and is not to be connected to the ECU.**
- By cutting the No.2 Pin (Orange / Black) wire of ECU (Injector), the bike vehicle body side wiring from the ENIGMA SemiFull connect the Orange / Black wire.
Connect the Orange / Blue wire the ECU side.
- No.11 Pin (Light green) line of ECU (FI lamp), Connect the White/Black wire from the ENIGMA.
(There is no White line on the USB type.)
- **In order to prevent the reporting water from entering into the ENIGMA inside from the base of the wiring from the ENIGMA, it is recommended that you install in the lower wiring side in the vertical the ENIGMA.**



ECU terminal connected 7wires 1,2,3,8,11,16, 28.

ECU terminal for **USB type** connected 6 wires 1,2,3,8,16, 28. Please confirm the picture.

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

Please use the **JOG-ZR (JBH-SA39J) / VOX** dedicated ENIGMA PC software.
Other Vehicle, Other ENIGMA dedicated PCsoftware, cannot be used.

Please use the ENIGMA dedicated app for the iOS/Android version of the app.
Download the **JOG-ZR (JBH-SA39J) / VOX** dedicated ENIGMA app from the model selection screen in the app. Other Vehicle dedicated apps cannot be used.

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