

## Connecting the PCX150(WW150 JBK-KF18) ECU to the ENIGMA Bluetooth version

Supported models of this manual

**ENIGMA type** ENIGMA (EBD352 / EBD352RTF)

**Vehicle type** HONDA PCX150(JBK-KF18)

It has been produced in PCX150-KF18 only. Do not install the PCX150-KF12 or PCX125.  
It may cause trouble if you install it because it is manufactured based on the basic data of the normal injection ECU of PCX150-KF18.

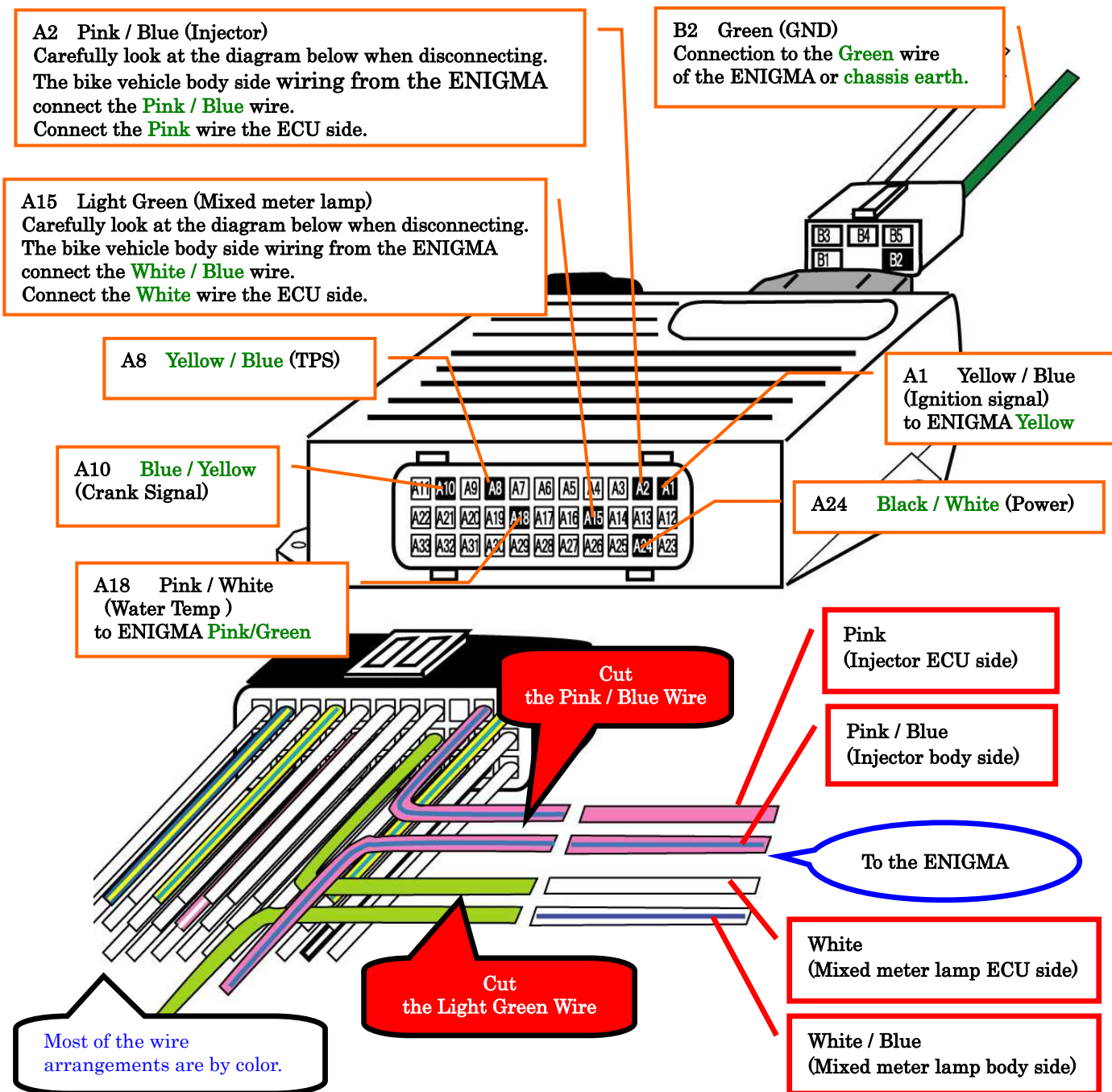
If you use the RTF type, remove the coupler which is connected to the ECU, please connect the coupler that has come out from ENIGMA RTF to the ECU and the vehicle body side. Please make sure that the lock sound is a "click".

Installation should be done in a safe place. A basic knowledge of PCX150 (KF18) maintenance is necessary. There is an ECU back around the lower right frame under the right front tire slightly and remove the exterior around the lid of the gasoline cock of feet ahead of the normal vehicle is attached. Remove the 33pin 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 motor cycle. Please carefully follow the diagram below when making the connection. There are a total of 10 wires. **In particular the following wiring connection you need to be careful.**

- **The Purple cable is a service cable and is not to be connected to the ECU.**
- **The Green wire (GND) of the ENIGMA is connect to the Green wire of terminal B2 of the 5-pin connector on the opposite side of the 33-pin connector of the ECU or connect to the chassis ground.**
- By cutting the A2 Pin (Pink / Blue) wire of ECU (Injecttor), the bike vehicle body side wiring from ENIGMA connect the Pink / Blue wire. Connect the Pink line the ECU side.
- By cutting the A15 Pin (Light Green) wire of ECU (Mixed meter lamp), the bike vehicle body side wiring from ENIGMA connect the **White / Blue** wire. Connect the **White** wire the ECU side. **Please note that the color of the wiring is different.**
- ECU of A1 Pin (Yellow / Blue) (Ignition) wire interrupt connect the **Yellow** wire of ENIGMA.  
ECU of A8 Pin (Yellow / Blue) (TPS) wire interrupt connect the **Yellow / Blue** wire of ENIGMA  
**Since the wiring of the same color has come out from the ECU, please pay special attention.**
- ECU of A18 Pin (Pink / White) (Water temp) wire interrupt connect the **Pink/Green** wire of ENIGMA.  
**Please note that the color of the wiring is different.**
- **In order to prevent the reporting water from entering into the ENIGMA inside from the base of the wiring from ENIGMA, it is recommended that you install in the lower wiring side in the vertical the ENIGMA.**



Terminal that connects to the ECU is A1, A2, A8, A10, A15, A18, A24, B2 8 places of.  
Please check the above diagram.

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 **ENIGMA** dedicated app for the iOS/Android version of the app.  
Download the **PCX150 (KF18)** dedicated ENIGMA app from the model selection screen in the app.  
Other Vehicle dedicated apps cannot be used.

Please use the **PCX150 (KF18)** dedicated ENIGMA PC software.  
Other Vehicle, Other ENIGMA dedicated PC software cannot be used.

The Enigma operating software for smartphone or PC can be downloaded free from our website.  
<http://www.dilts-japan.com>