

Connecting the LEAD125 ECU to the Enigma Enigma type-P Bluetooth version

Supported models of this manual

ENIGMA type ENIGMA type-P (EBD320P/EBD320PRTF)

Vehicle type HONDA LEAD125(EBJ-JF45)

※2018~2BJ-JF45 no connect.

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 type-P 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 LEAD125 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.

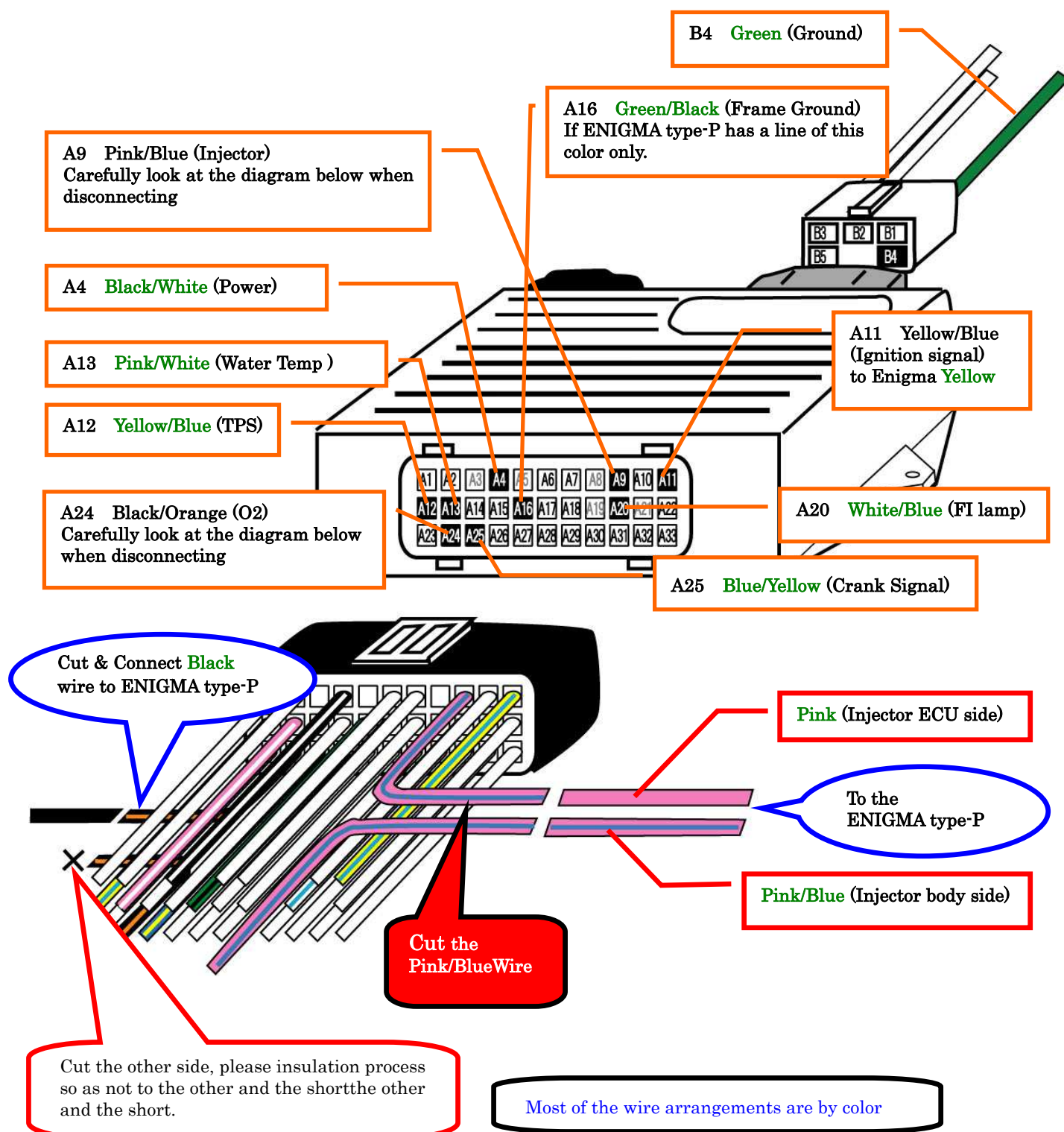
Make an **interrupt connection** from the ENIGMA type-P wiring to the wiring on the coupler side.
(AN interrupt connection can made without cutting but by making a branch in the normal connection)
Do not use an electro tap on the interrupt wiring connection. It causes many connection issues that are 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 motor cycle. Please carefully follow the diagram below when making the connection. There are a total of 11 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.**
- **Green lines of ENIGMA type-P (GND), is located on the opposite side of the 33-pin connector on the ECU 5 pin connector B4 Pin (Green) line or, please connect to the chassis ground.**
- By cutting the A9 Pin (Pink / Blue) line of ECU (Injecttor), the bike vehicle body side wiring from ENIGMA type-P Connect the Pink / Blue line. Connect the Pink line the ECU side.
- ECU of A11 Pin (Yellow / Blue) (Ignition)line interrupt connect the Yellow line of ENIGMA type-P.
ECU of A12 Pin (Yellow / Blue) (TPS)line interrupt connect the Yellow / Blue line of ENIGMA type-P
Since the wiring of the same color has come out from the ECU, please pay special attention.
- By cutting the A24 Pin (Black / Orange) line of ECU (O2 sensor), the ECU side wiring from ENIGMA type-P Connect the black line. Insulation processing the Black / Oorange line the vehicle body side.

- If ENIGMA type-P has Green / Black line and connect to the body earth (frame GND) or the No.16 Pin(Green / Black)wire of ECU or the minus terminal of the battery.
- 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 type-P.



Terminal that connects to the ECU is A4, A9, A11, A12, A13, A16, A20, A24, A25, B4 10 places of. Please check the above diagram.

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 operating software on a smartphone or PC.

Please use the **ENIGMA** dedicated app for the iOS/Android version of the app.
Download the **LEAD125 (EBJ-JF45)** dedicated ENIGMA app from the model selection screen in the app.
For ENIGMA is also compatible with ENIGMA type-P. Other Vehicle dedicated apps cannot be used.

Please use the **LEAD125 (EBJ-JF45)** dedicated ENIGMA PC software.
For ENIGMA is also compatible with ENIGMA type-P. 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>

It has been produced in **LEAD125 (EBJ-JF45)** only.
Do not install the PCX125 or other eSP Engine.
It may cause trouble if you install it because it is manufactured based on the basic data of the normal injection ECU of LEAD125.