

## Connecting the CROSS CUB110(8BJ-JA60)/ SUPER CUB110(8BJ-JA59) ECU to the ENIGMA SemiFull Bluetooth version

Supported models of this manual

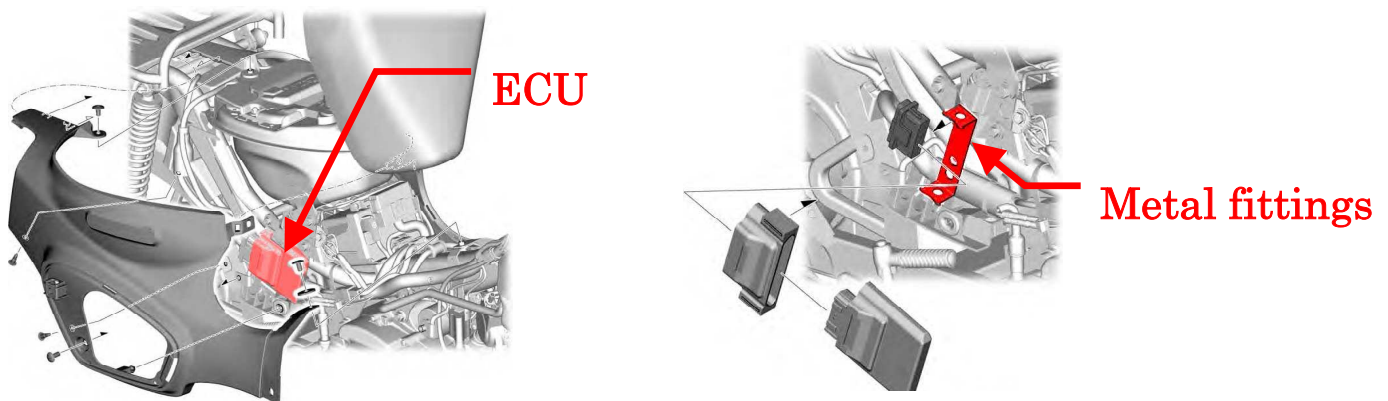
**ENIGMA type** ENIGMA SemiFull SF2371RTF

**Vehicle type** HONDA CROSS CUB110(8BJ-JA60)/ SUPER CUB110(8BJ-JA59)

Installation should be done in a safe place.

A basic knowledge of CROSS CUB110(JA60) /SUPER CUB110(JA59) maintenance is necessary.

The ECU is located on the right side of the stock vehicle, where the body cover is removed.

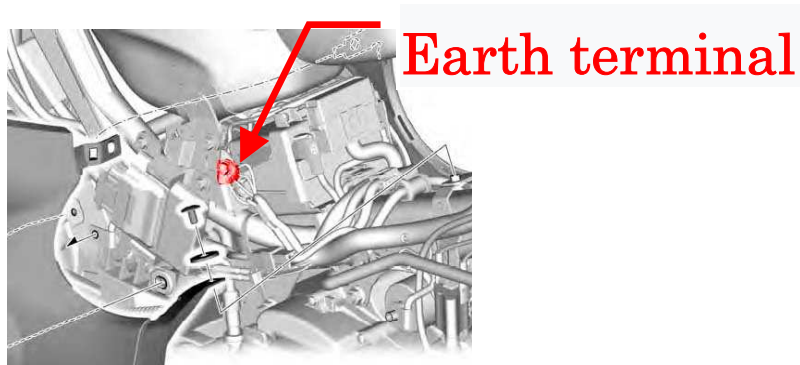


Remove the center cover -> the legshield -> the main pipe cover -> the side cover -> the body cover in accordance with the service manual.

The ECU is secured by a rubber cover that is inserted into a metal fitting protruding from the main unit. Remove the ECU with the rubber cover by pulling the rubber cover.



Disconnect the ECU from the body coupler and connect the ENIGMA coupler between the ECU and the body coupler. Attach the ECU to the ENIGMA coupler.



Place the ECU and the ENIGMA between the the body cover to the chassis.

The ENIGMA body must be secured against excessive vibration and rainwater.

Connect the wires with Y-terminal terminal that branches out from the middle of the ENIGMA RTF to the frame using the earth terminal or similar securing under the body cover.

- **The wire with the Y terminal must be connected to the GND side of the battery or to the frame.**
- **The Gray/Red wire is a wire for the MAP changeover switch and is not to be connected to the ECU. When you do not want to use this function, please tip of the wire is insulated with tape so as not to short against the metal part.**
- **The Purple wire is the service output wire.**  
The ENIGMA SemiFull will output 5V each crank rotation (or Once every two crank revolutions ).  
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 service output wire (Purple) and the MAP changeover switch wire (Gray/Red) are contained within a wire wrapped in spiral tubing.**

**Please remove wires from the spiral tubing as needed for extension or other use.**

- **Please use the ENIGMA Semifull dedicated app for the iOS/Android version of the app. Download the **CROSS CUB 110 (JA60)** dedicated ENIGMA Semifull app from the model selection screen in the app. Other Vehicle dedicated apps cannot be used.**
- **Please use the **CROSS CUB 110 (JA60)** dedicated ENIGMA Semifull PCsoftware. Other Vehicle, Other ENIGMA dedicated PCsoftwares, cannot be used.**
- **The ENIGMA SemiFull operating software can be downloaded free from our website.**

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

## Installation of the MAP changeover switch

"Gray/Red wire" that has come out from ENIGMA Semiful is the wiring for the MAP changeover switch installation. You can instantly switch between a two maps with the MAP changeover switch.

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 Gray/Red line from the ENIGMA Semiful when finished the installation of the switch.

Connect the Gray/Red 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 wiring for the MAP changeover switch with more work.

**When you do not want to use the wiring for the MAP changeover function, please tip of the wire is insulated with tape so as not to short against the metal part.**

**When switching maps, Be sure to transfer the data to both maps before starting to avoid engine trouble.**