

Connecting the MAJESTY-S/S-MAX ECU to the ENIGMA Bluetooth version

Supported models of this manual

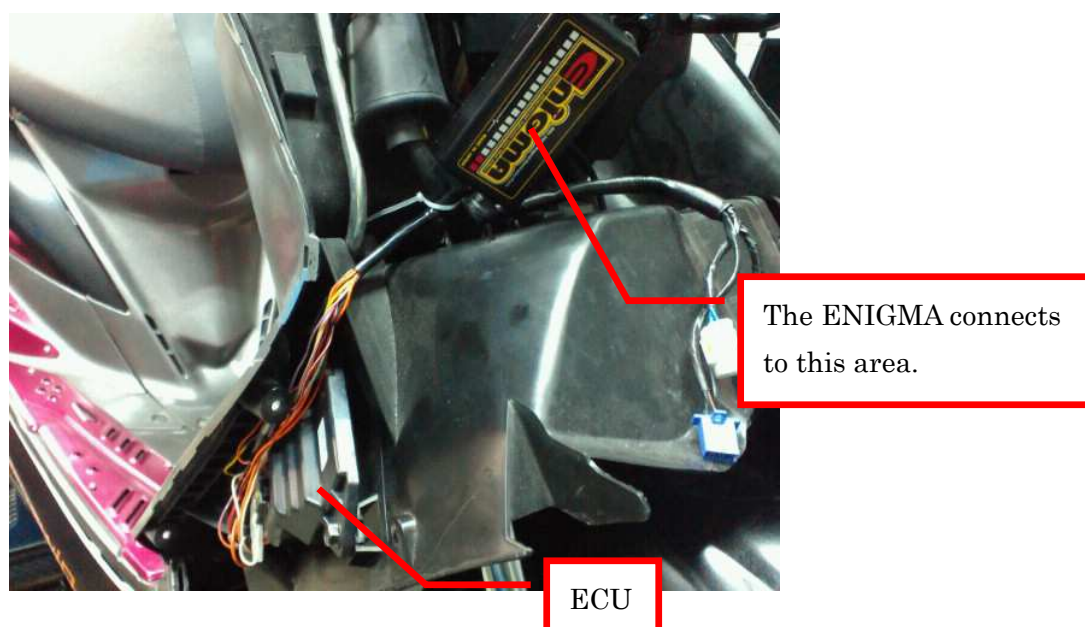
ENIGMA type ENIGMA (EBD250 / EBD250RTF)

Vehicle type YAMAHA MAJESTY-S(SG28J) / S-MAX

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 MAJESTY-S(SG28J)/S-MAX 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 33-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)

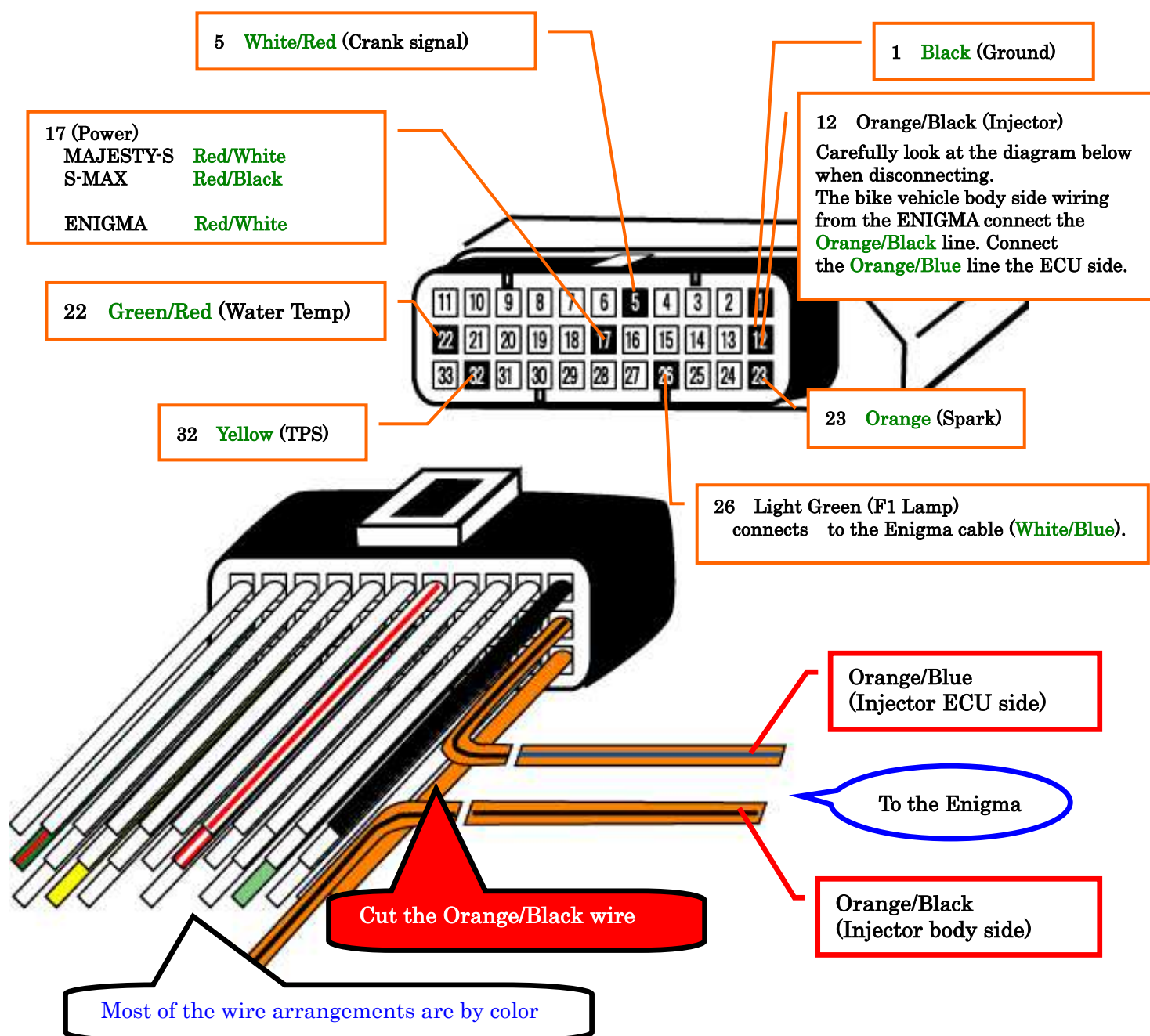
Do not use an electro tap on the interrupt wiring connection. It causes many connection issues that are problematic to the operation of the ENIGMA. (Use solder or the like for improved reliability.)

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 9 wires.

- The purple cable is a service cable and is not to be connected to the ECU.
- By cutting the No.12 Pin (Orange / Black) line of ECU (Injecttor), the bike vehicle body side wiring from the ENIGMA connect the orange / black line. Connect the orange / blue line the ECU side.
- 26 cable(Lightgreen) connects to the Enigma cable(White/Blue or White).

- 17cable (**MAJESTY-S** Red/White) (**S-MAX** Red/Black). ENIGMA cable(Red/White) connects both.
- 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.

This ENIGMA MAJESTY-S / SMAX fit 155cc engine. Not fit 125cc.



ECU terminal connected 8wires 1,5,12,17,22,23,26,32. 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 **MAJESTY-S/S-MAX** dedicated ENIGMA dedicated app. Download the **MAJESTY-S/S-MAX** dedicated ENIGMA app from the model selection screen in the app. **For ENIGMA is also compatible with ENIGMA type-P.** Other Vehicle, Other ENIGMA dedicated apps, cannot be used.

Please use the **MAJESTY-S/S-MAX** 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 can be downloaded free from our website.

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

Connecting the MAJESTY-S/S-MAX ECU to the ENIGMA Type-P Bluetooth version

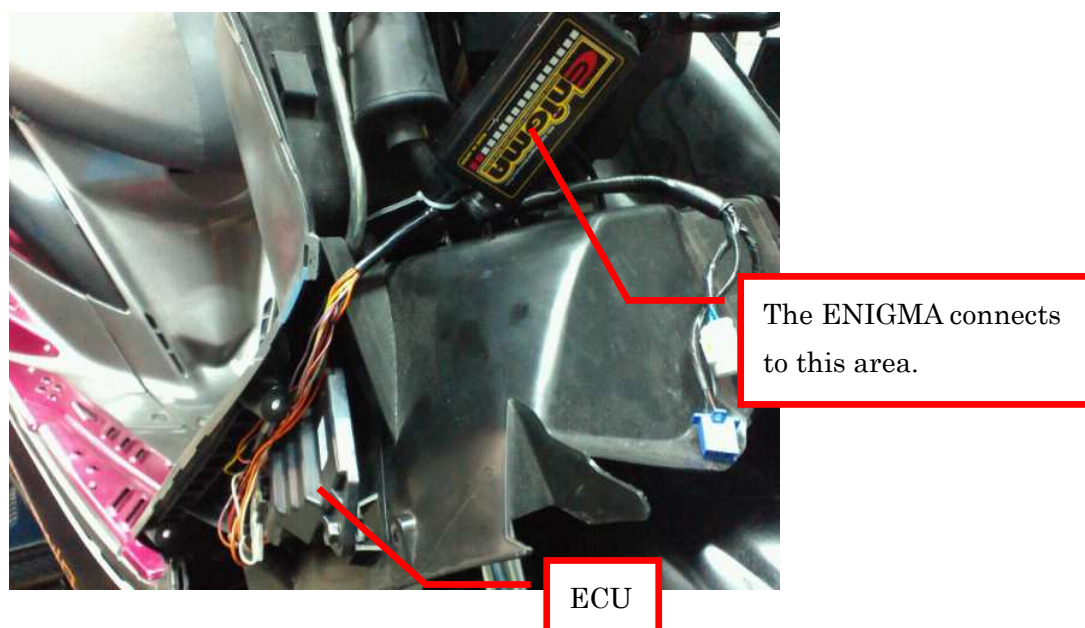
Supported models of this manual

ENIGMA type ENIGMA (EBD250P / EBD250PRTF)

Vehicle type YAMAHA MAJESTY-S(SG28J) / S-MAX

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 MAJESTY-S/S-MAX 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 33-pin coupler then the ECU.



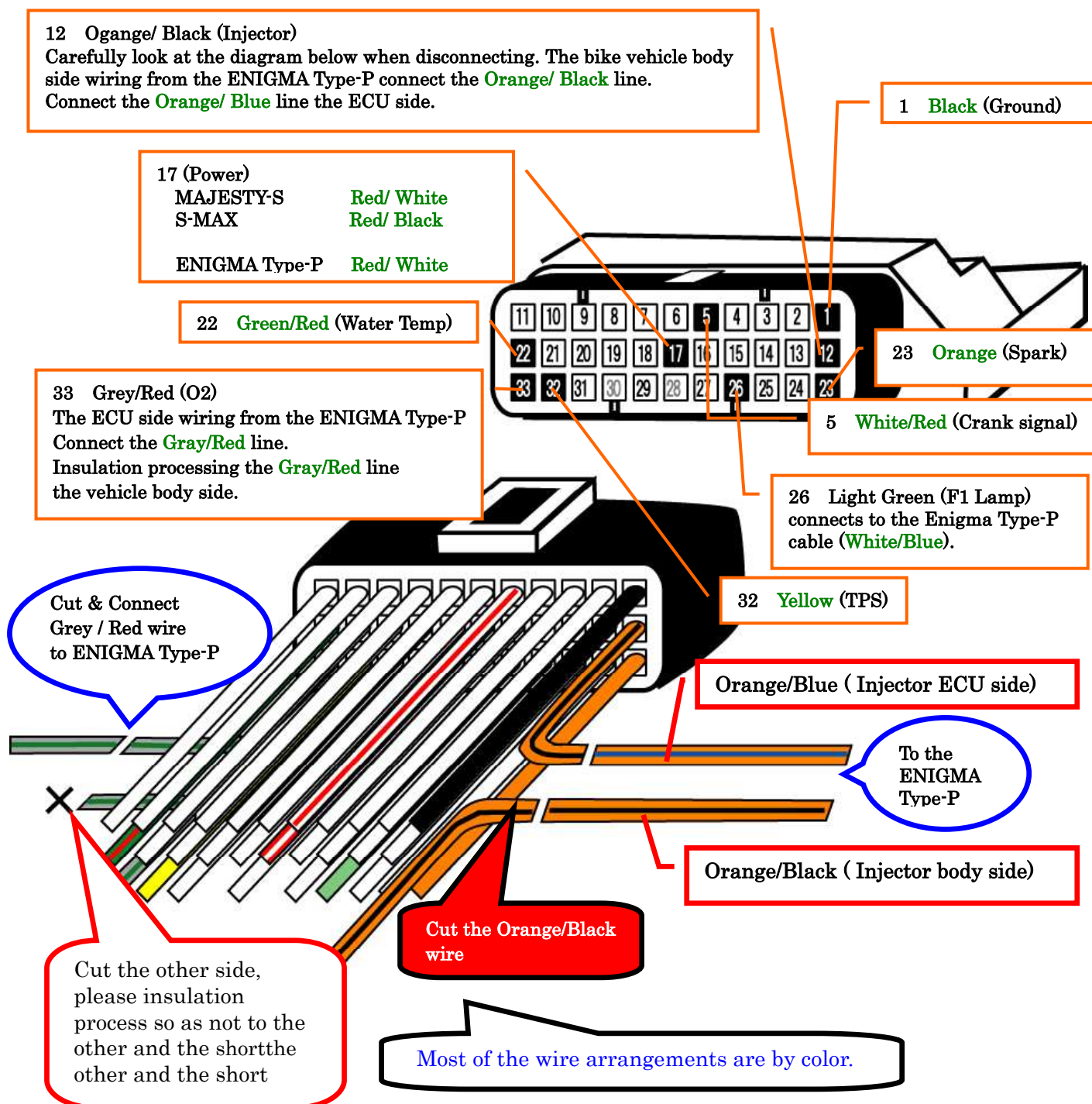
Make an **interrupt connection** from the ENIGMA Type-P wiring to the wiring on the coupler side. (AN interrupt connection can made without cutting but by making a branch in the normal connection) Do not use an electro tap on the interrupt wiring connection. It causes many connection issues that are 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 bike. Please carefully follow the diagram below when making the connection. There are a total of 10 wires.

- **The purple cable is a service cable and is not to be connected to the ECU.**
- By cutting the No.12 Pin (Orange/ Black) line of ECU (Injector), the bike vehicle body side wiring from the ENIGMA Type-P connect the Orange/ Black line. Connect the Orange/ Blue line the ECU side.
- By cutting the No.33 Pin (Gray / Green) line of ECU (O2 sensor), the ECU side wiring from the ENIGMA Type-P Connect the black line. Insulation processing the Blackline the vehicle body side.

- 26 cable(Light green) connects to the Enigma cable(White/Blue).
- 17cable (**MAJESTY-S** Red/White) (**S-MAX** Red/Black).
ENIGMA cable (Red/White) connects both.
- In order to prevent the reporting water from entering into the Enigma Type-P inside from the base of the wiring from the ENIGMA Type-P , it is recommended that you install in the lower wiring side in the vertical the ENIGMA Type-P.

This ENIGMA MAJESTY-S / SMAX fit 155cc engine.Not fit 125cc.



Terminal that connects to the ECU is 1, 5, 12, 17, 22, 23, 26, 32, 33 9places 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 Type-P operating appli/software on a smartphone or PC.

Please adjust the TPS 0% position first from the PC or smartphone first after installing the ENIGMA in the motorcycle. Adjust 0% in the running condition of the engine. 100% adjustment is dangerous if the engine is running.

Please use the **MAJESTY-S/S-MAX** dedicated ENIGMA dedicated app. Download the **MAJESTY-S/S-MAX** dedicated ENIGMA app from the model selection screen in the app. **For ENIGMA is also compatible with ENIGMA type-P.** Other Vehicle, Other ENIGMA dedicated apps, cannot be used.

Please use the **MAJESTY-S/S-MAX** dedicated ENIGMA PC software. **For ENIGMA is also compatible with ENIGMA type-P.** Other Vehicle, Other ENIGMA dedicated PCsoftware, cannot be used.

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