



Woolich Racing

Bike Harness Installation Instructions

Suzuki Harness Type 4 - B-King



1) Introduction

To connect your Woolich Racing product to the ECU ('Engine Control Unit' or computer) in your bike you need to install the bike harness. This is a relatively simple procedure that involves:

- 1) Locating the ECU in your bike.
- 2) Removing one of the ECU Plugs.
- 3) Installing 2 pins from one end of the 2 wire harness into the ECU Plug.
- 4) Locating the Yosh Plug.
- 5) Installing 2 pins from the other end of the 2 wire harness into the Yosh Plug.
- 6) Installing the Yosh/SDS to Interface harness.

The above procedure is described in detail in this guide and should only take approximately 15 minutes to complete. No cutting or splicing of the wiring harness is required for this install.

2) Hardware

To install the bike harness you should have the following hardware as supplied with your Woolich Racing product:

- 1) ECU to Yosh Plug harness (2 wire harness).
- 2) Yosh/SDS to Interface harness.

3) Tools

The following tools will be useful when installing the Woolich Racing bike harness:

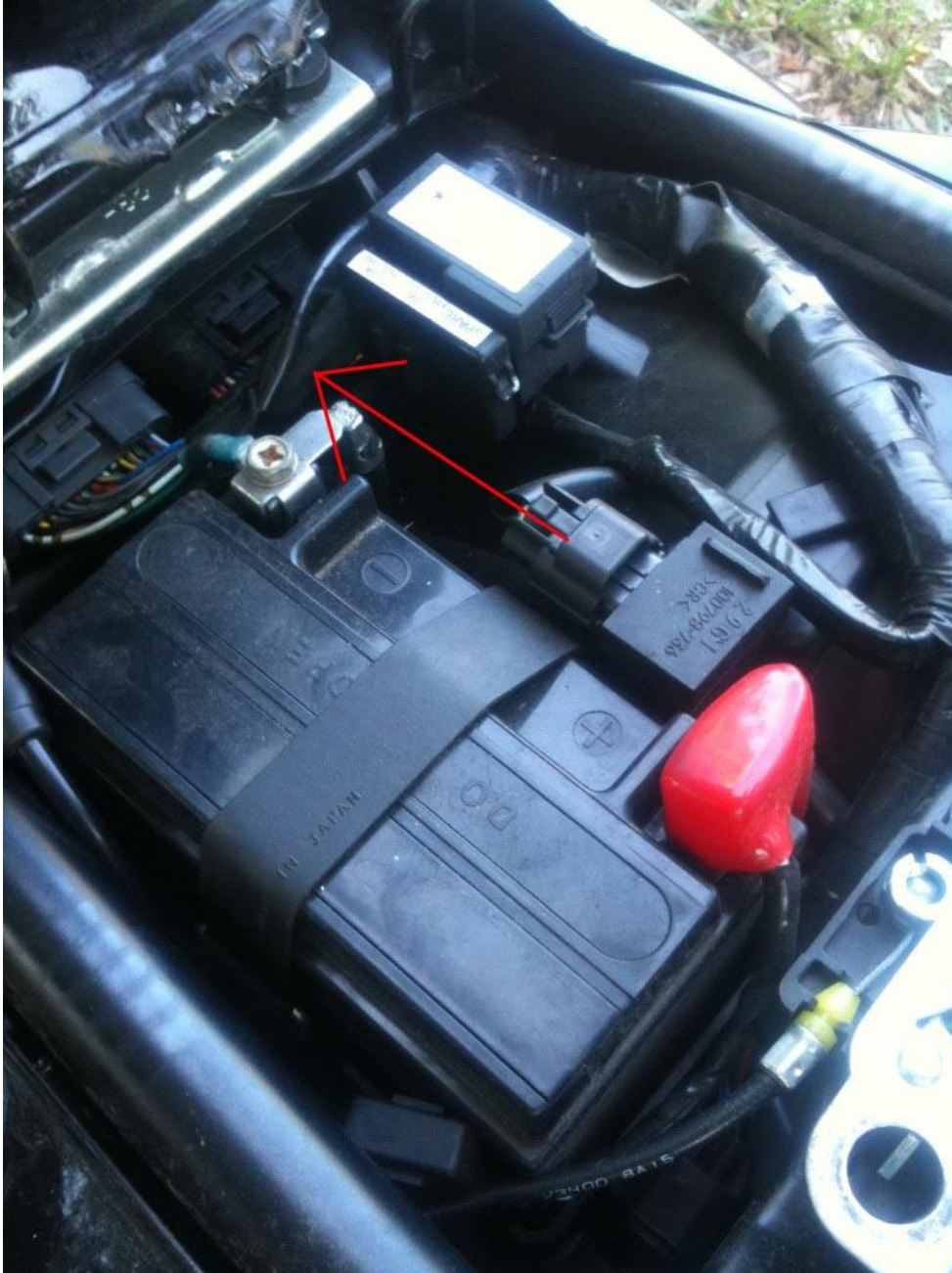
- 1) Small flat head screwdriver (used for removing and installing plug caps, and installing pins).
- 2) Paper clip, needle or small jeweller's screwdriver (used for removing pin plugs).

4) 2 Wire Harness Installation

The following steps describe the installation of the on bike harness:

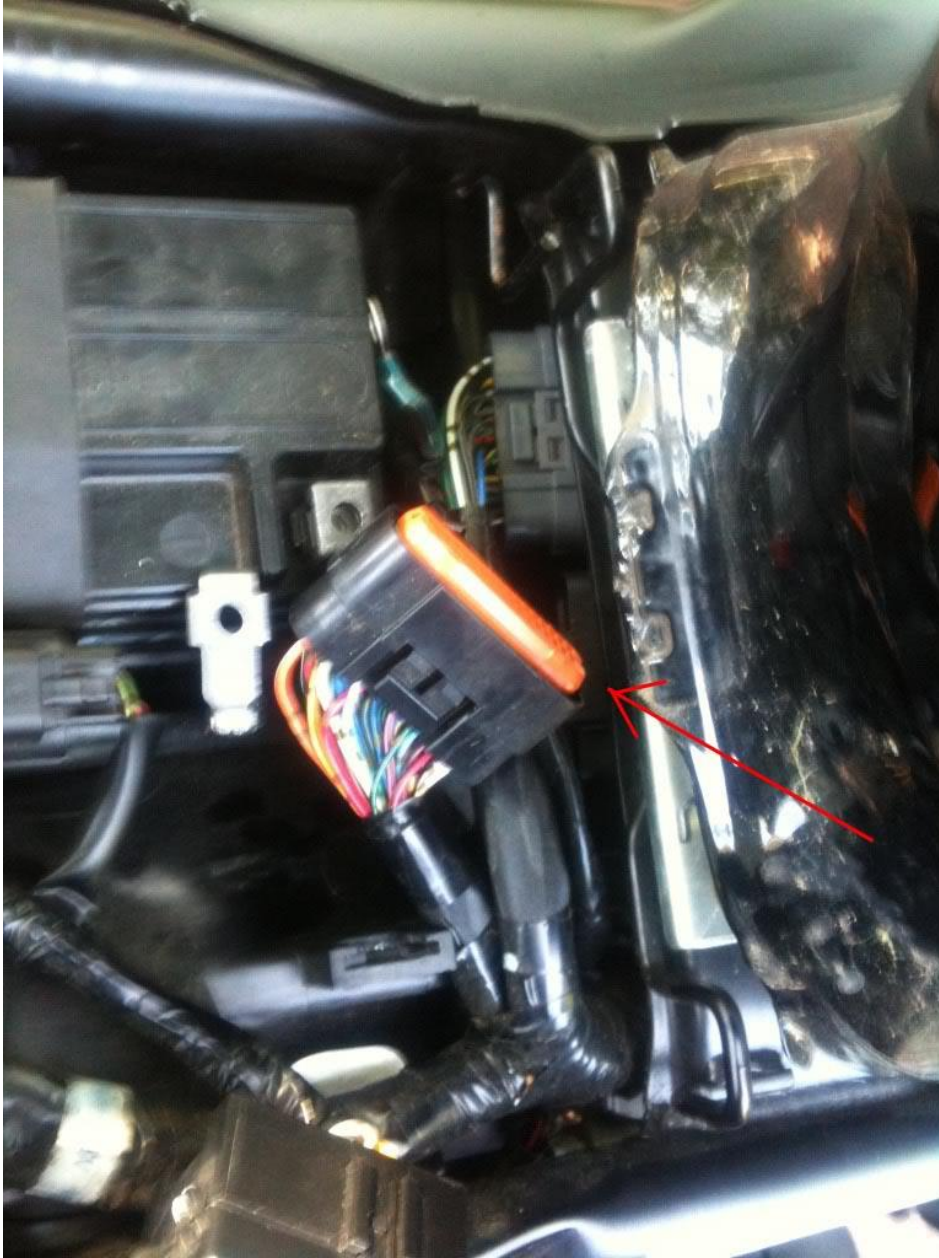
- 1) Remove the seat from the bike.

- 2) Locate the ECU in front of the battery under the fuel tank.



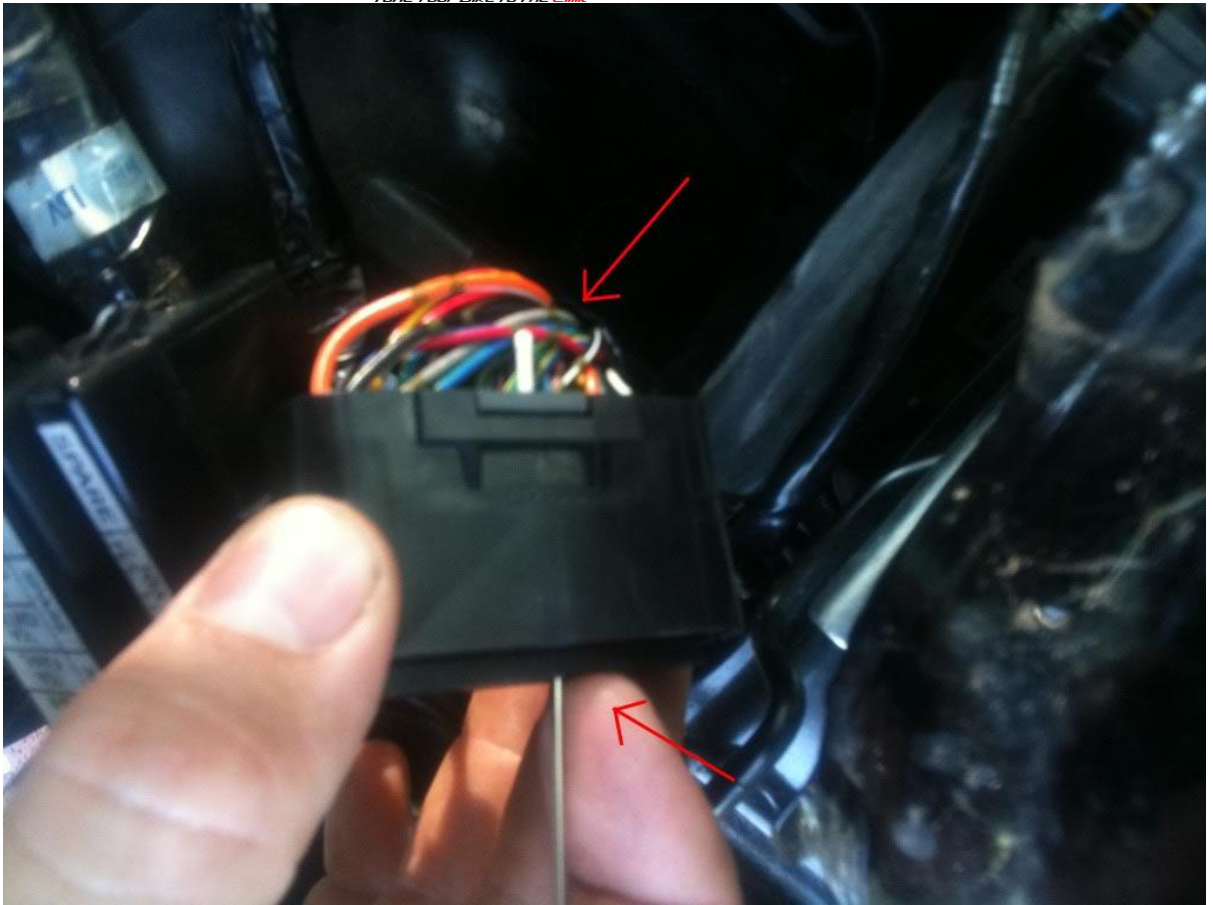
- 3) Unplug the black ECU plug (right hand side looking from the back of the bike forward the red arrow above is pointing to the plug).

- 4) Remove the orange ECU plug cover.

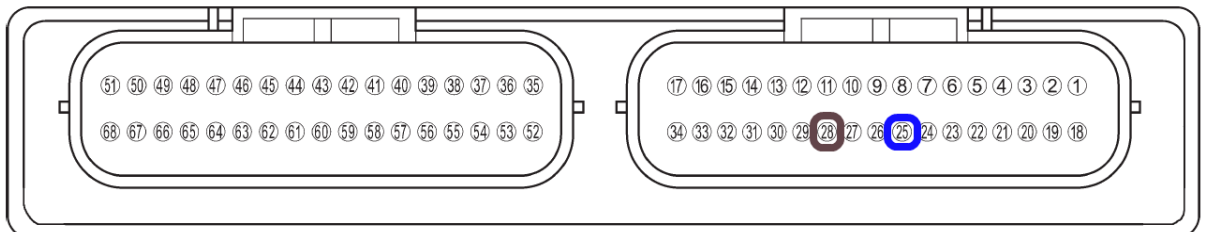


- 5) Use paper clip to push the plastic plugs out of ECU pins 25 and 28. It is easiest to push the plugs from the ECU side out towards the back.





- 6) Using the 2 wire harness (use the end which does not have the plastic plugs surrounding the pins), install the blue/green wire into pin 25 and the brown wire into pin 28. It may be necessary to use a small screw driver or pick to very gently push the wires / pins all the way into the connector. Make sure the pin is oriented correctly or it won't go in without damaging the connector. When the pin has been inserted into the connector fully you will hear a faint audible click. Failure to seat the pin fully in the connector will not allow you to flash the ECU even though gauge data will work.



ECU



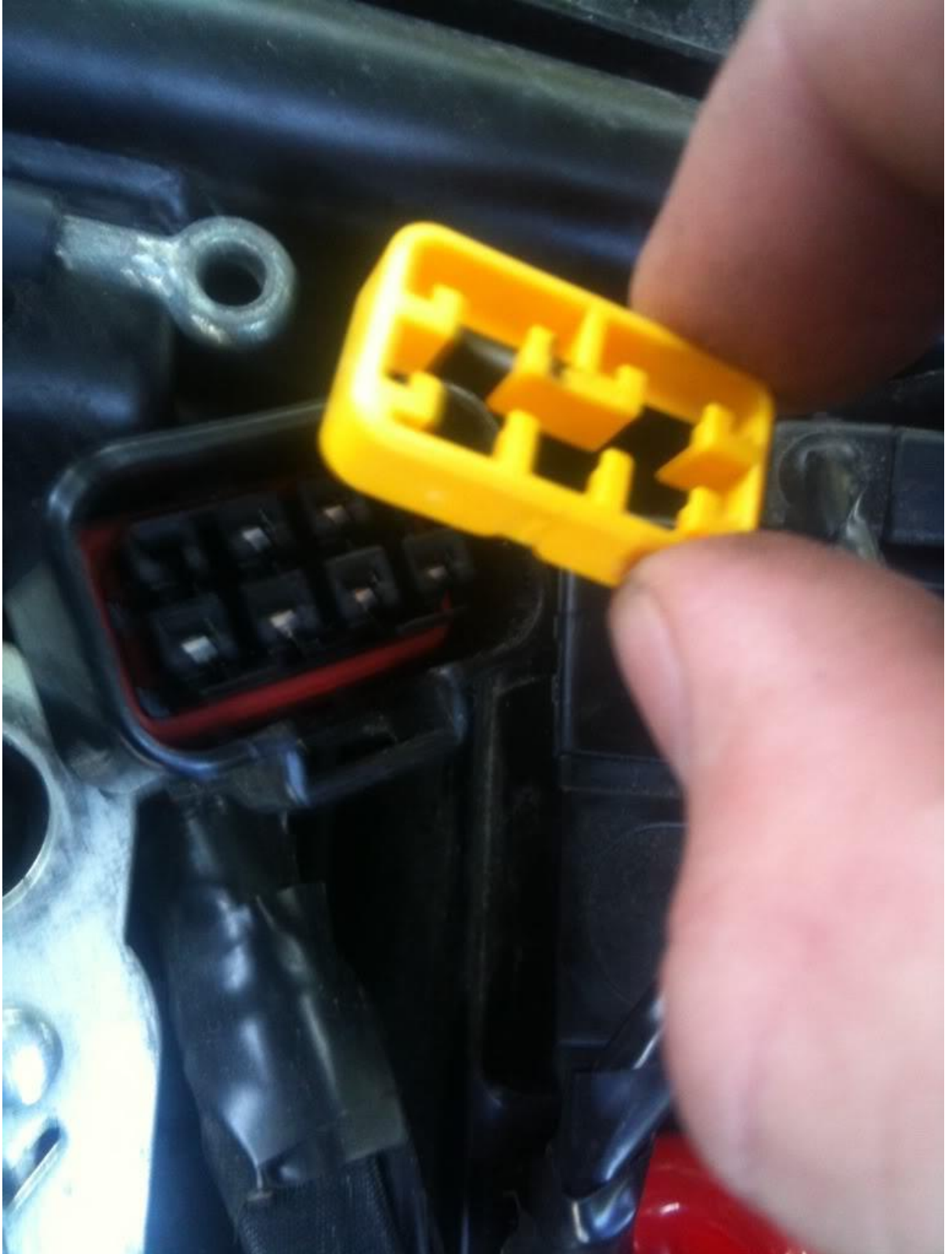
View of ECU plug with 2 wire harness installed

- 7) Re-install the orange plastic cap on front of the ECU plug connector.
- 8) Plug the ECU plug back into the ECU ensuring the plug seats with a click.

- 9) Locate the Yosh Plug near the passenger seat release cable behind the battery.

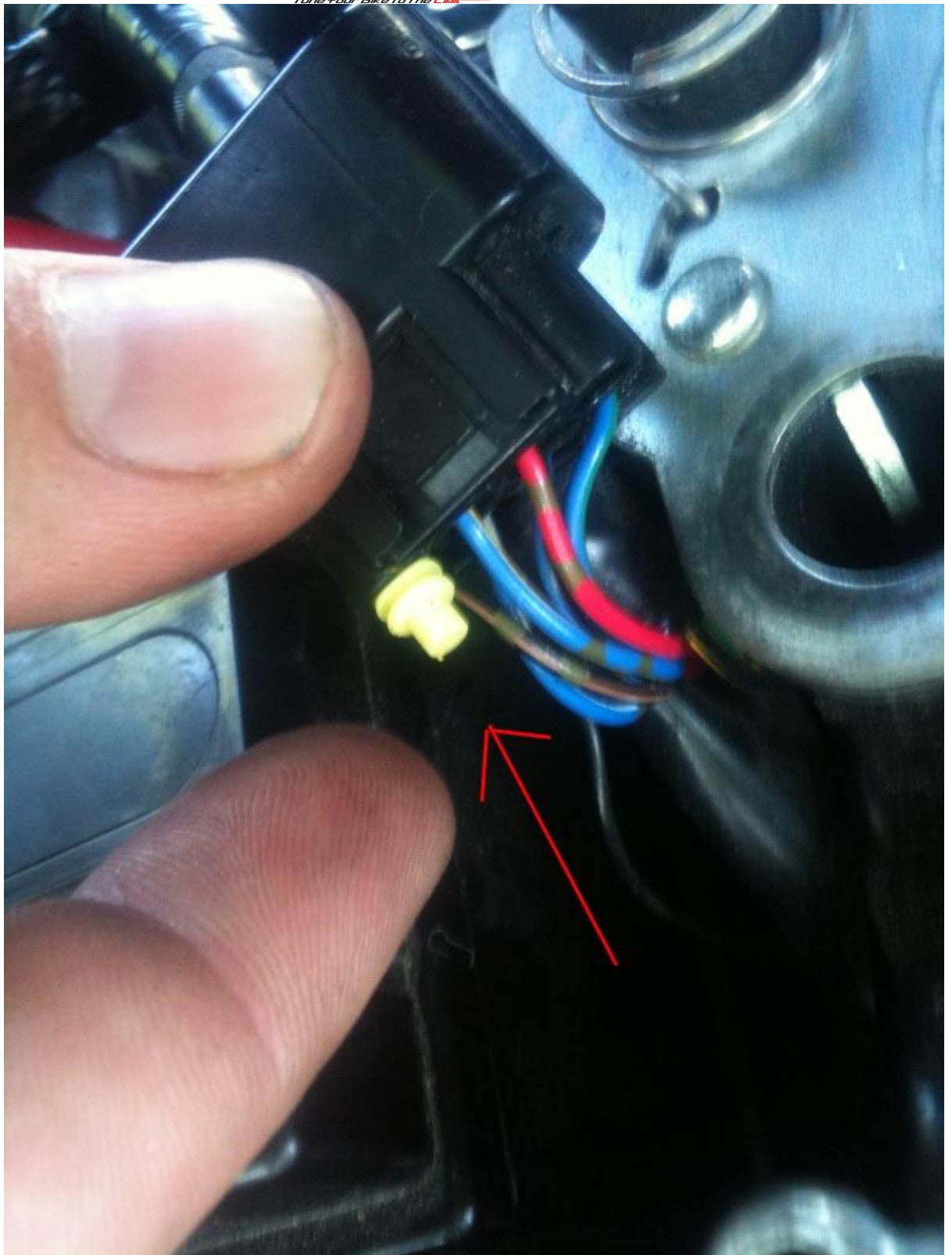


10) Remove the yellow plastic cover from the Yosh plug.



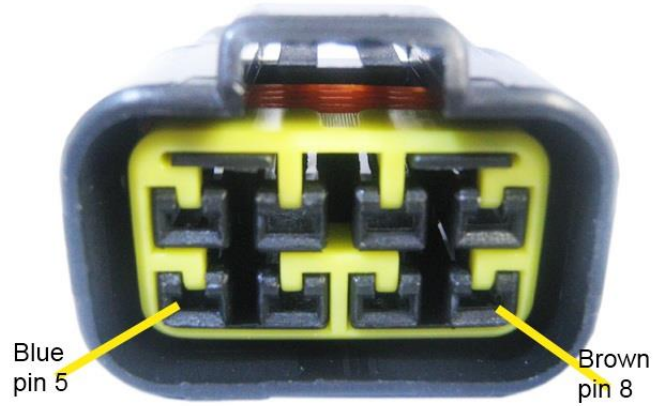
11) Using the paper clip, or needle, push out the rubber caps from the empty pin locations.







- 12) Insert the brown and blue/green wires into their corresponding positions. Blue/green goes into connector pin location 5 (next to blue wire) Brown goes into connector pin location 8 (next to red wire).



- 13) With brown and blue/green wires in place, place the yellow cap back in the connector, it may be necessary to take a small screw driver and push the locking tab on the pin down in order for the yellow lock to seat fully.



5) Yosh/SDS to Interface Harness Installation

The last part of the Harness Installation is to install the Yosh/SDS to Interface Harness.

- 1) Locate the Yosh and plug the on bike Yosh Plug into the Harness Yosh Plug.





- 1) Locate the SDS plug on the bike (white plug under the right side pod).
- 2) Plug the on bike SDS plug into the Harness SDS plug.



- 3) You can now plug your Woolich Racing interface into the bike harness.



6) Final Installation

Reassemble any components you may have taken off your bike during the install. Now your hardware should be ready to start flashing your ECU.

Warranty

Woolich Racing Warranty obligations are limited to the terms set forth below.

Woolich Racing warrants this product against defects in material and workmanship for the period of one (1) year. The warranty period begins with the date of original retail purchase.

This limited warranty is made only to the original end user purchaser ("you") of the product and does not extend to any subsequent purchasers or owners of the product. The "original end user" is the first user to put the product into service in any fashion. It is your responsibility to establish the warranty period by verifying the original purchase date.

If you discover a defect, Woolich Racing will, at its option, repair or replace this product with a new or reconditioned product at no charge to you, provided you return it during the warranty period, with transportation charges prepaid, to Woolich Racing. Please attach your name, address, telephone number, and a copy of the receipt from Paypal as proof of date of original purchase, as well as a detailed description of the problem for which service is requested. You are responsible for packing the product to be returned. If the repairs are covered by the Limited Warranty and if the product was properly shipped to Woolich Racing, Woolich Racing will pay the return shipping charges. This warranty applies only to Woolich Racing products. This warranty does not cover damaged resulting from accident, misuse, abuse, or neglect and/or damage during any type of transportation resulting from improper packaging; damage to any product which has been altered in any fashion, including damage resulting from causes other than product defects, including and not by way of limitation, lack of technical skill, competence, or experience of the user, and/or failure to use the product in accordance with the instructions provided in the User's Manual or Installation Manual; and service performance by an unauthorized person or entity. Any implied warranties including fitness for use and merchantability are limited to the period of the expressed warranty set forth above. The remedies provided under this warranty are exclusive and in lieu of all others.

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