



Woolich Racing

Bike Harness Installation Instructions

Kawasaki Harness Type 3a



1) Introduction

To connect your WoolichRacing.com interface 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 the main ECU Plugs.
- 3) Installing 2 pins into the grey ECU Plug
- 4) Routing the 2 wire harness to the compartment under the passenger seat
- 5) Installing the main harness by plugging in the 2 wire harness and the KDS connector under the passenger seat.

The above procedure is described in detail in this guide and should only take approximately 30 minutes to complete. No cutting or splicing of the wiring harness is required for this install.

2) Hardware

To install the on bike harness you should have the following hardware as supplied with your WoolichRacing.com product:

- 1) Kawasaki Type 3a - 2 wire harness.
- 2) Kawasaki Type 3 Main Harness.

3) Tools

The following tools will be useful when installing the WoolichRacing.com bike harness:

- 1) Small flat head screwdriver (used for removing and installing plug caps, and installing pins).
- 2) Split pin, Paper clip, needle or small jewellers screwdriver (used for removing pin plugs and installing new pins into ECU plug).



4) 2 Wire Harness Installation

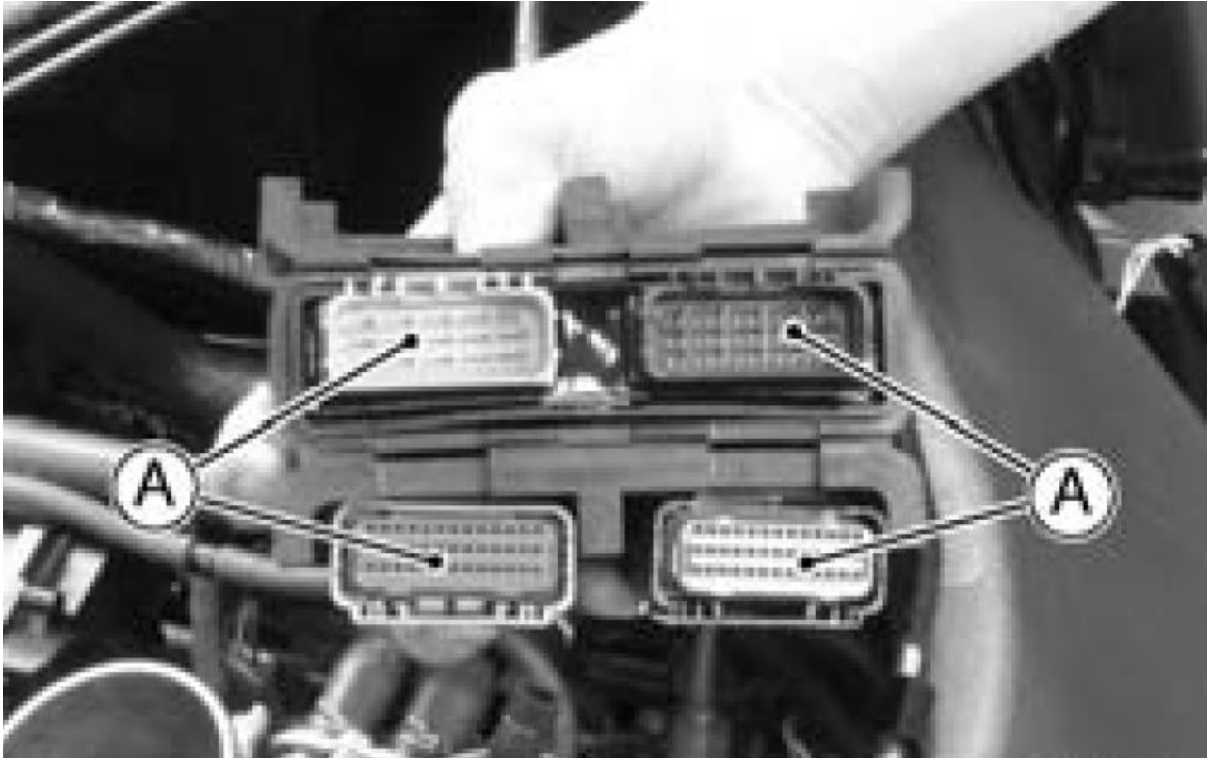
The following steps describe the installation of the on bike harness:

Note: Please follow service manual instructions to lift fuel tank to gain access to the ECU

- 1) Remove both the passenger and rider seats from the bike.
- 2) Remove the side fairings.
- 3) Lift the Fuel Tank
- 4) Remove the top of the Air Box, Locate the ECU (A in the image below)



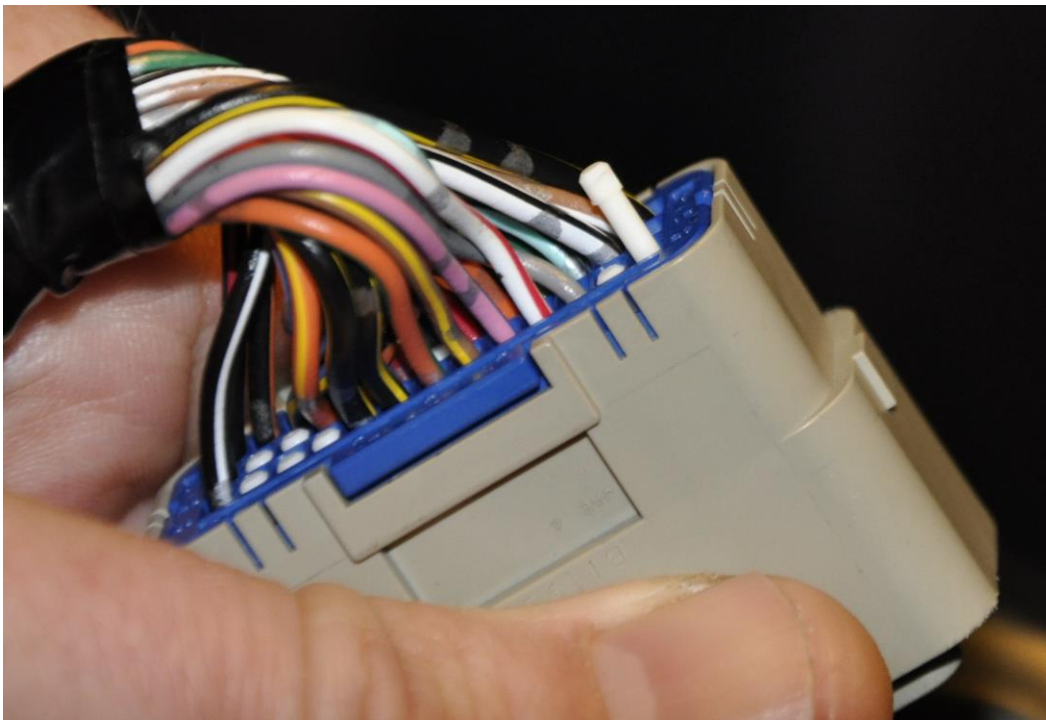
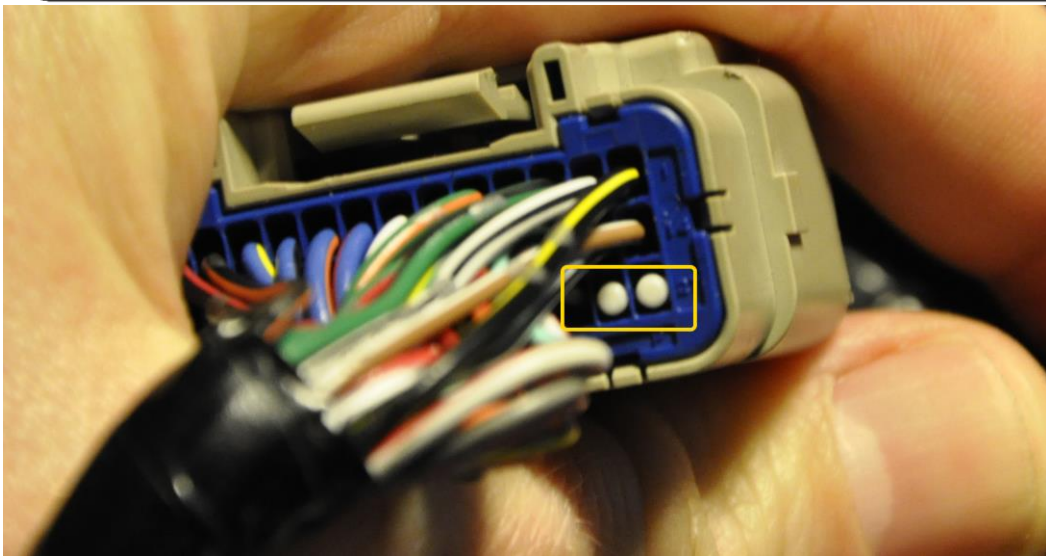
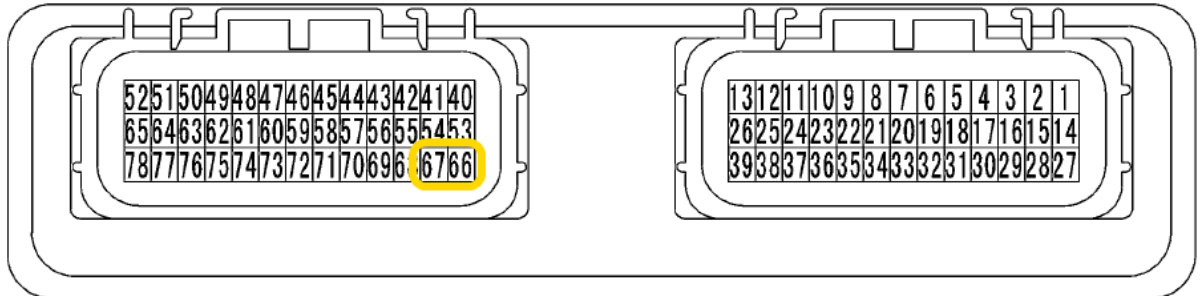
- 5) Remove the ECU and Unplug the ECU plugs.



- 6) Remove the ECU plug cover from the grey ECU Plug.

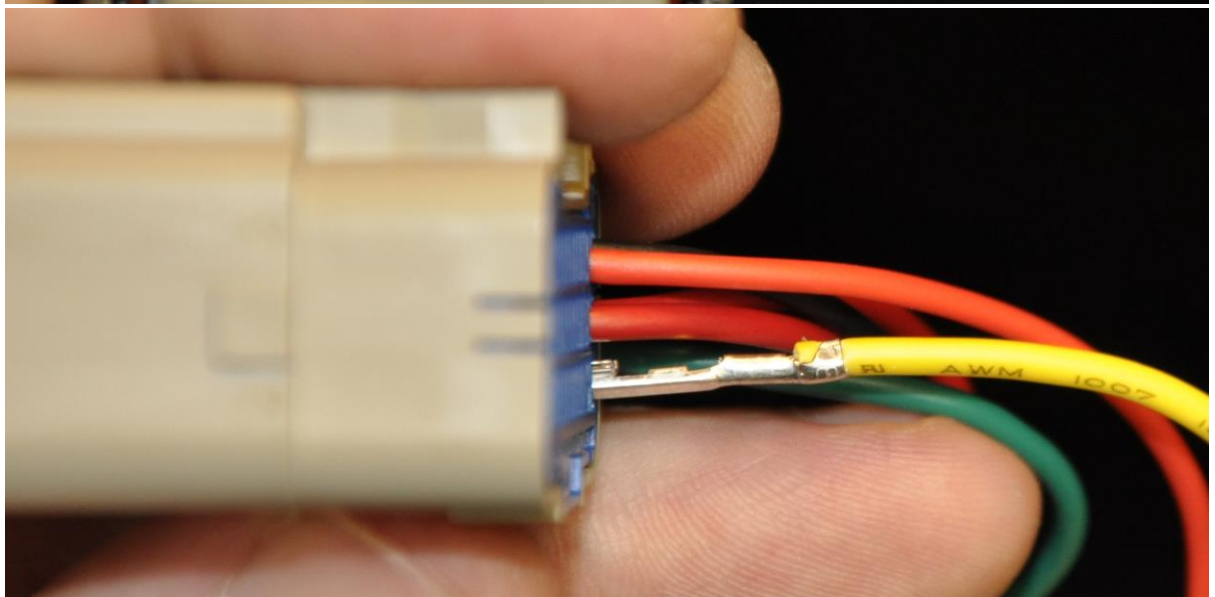
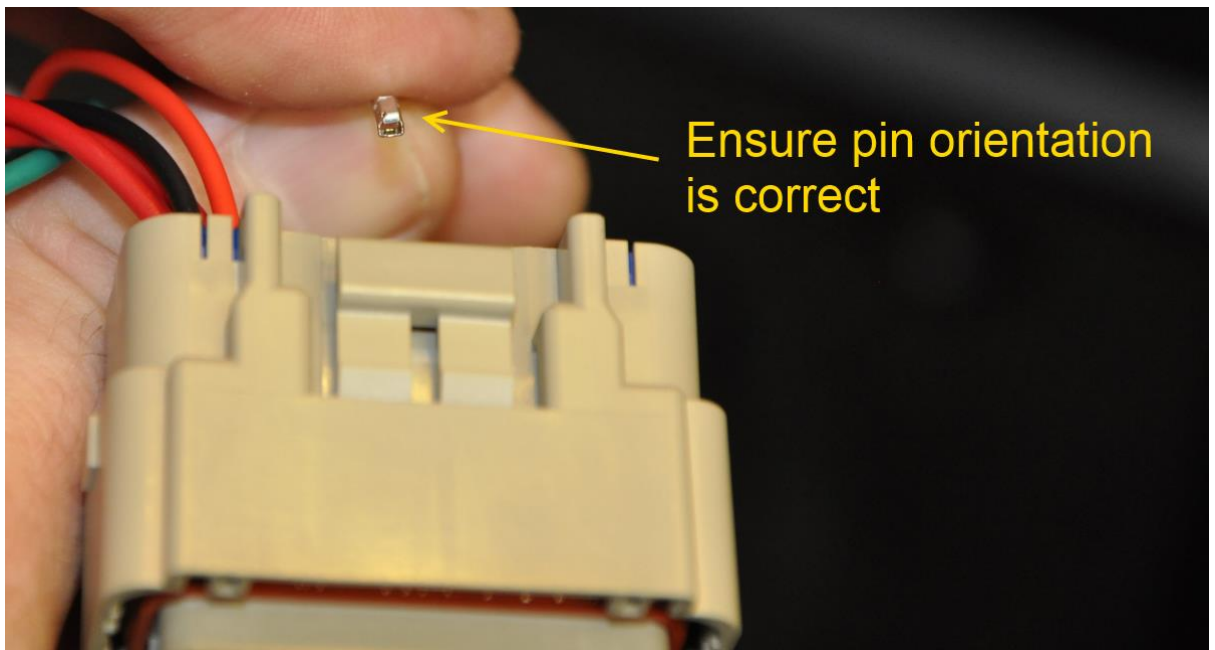
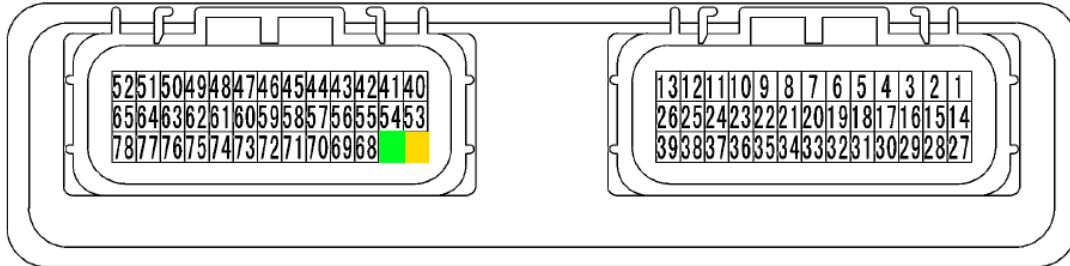


- 7) Use paper clip to push the plastic plug out of ECU pins 66 and 67. It is easiest to push the plug from the ECU side out towards the back (wire side) of the plug.





- 8) Install the yellow wire pin of the 2 wire harness into position 66 and the green wire pin into position 67 on the ECU Plug. Ensure you have the pin oriented correctly with the locking tab at the top of the pin.



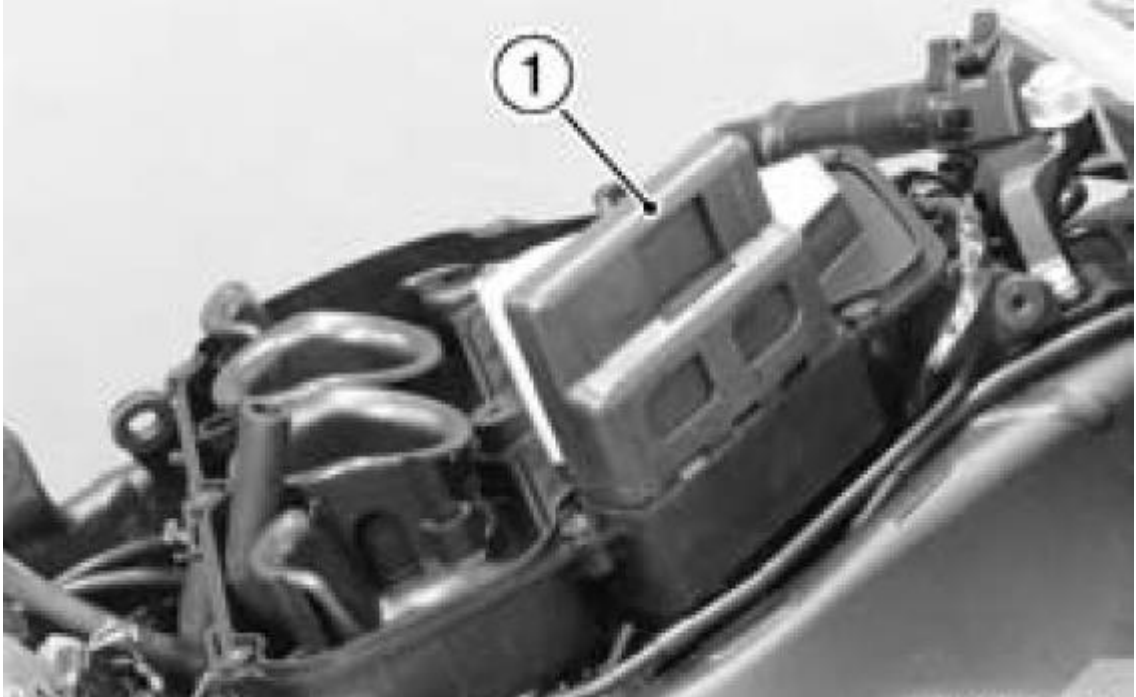


- 9) Re-install the plastic cap on front of the grey ECU plug connector.





- 10) Plug the ECU plugs back into the ECU ensuring the plug seats with a click. Reinstall the ECU back into Airbox.

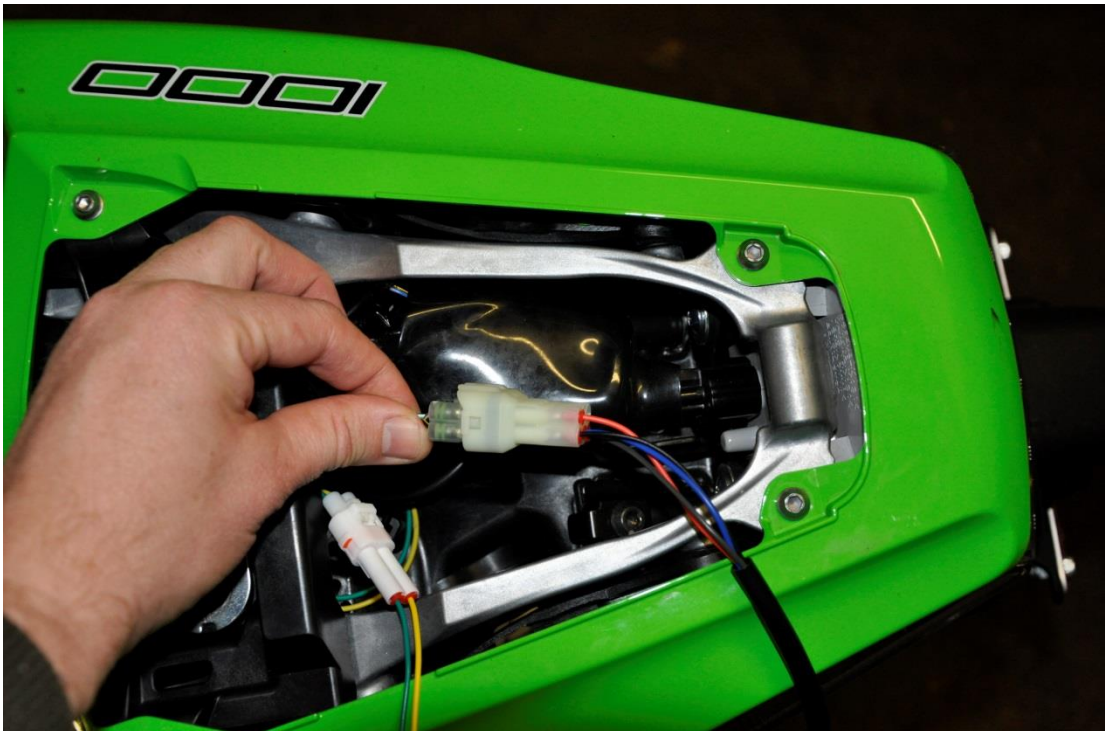


- 11) Route the 2 wire harness along the bike following the stock harness into the compartment under the passenger seat. Use the 2 zip ties supplied to fix the harness and hold it in place.

12) Plug Main Harness into 2 Wire Harness Plug



13) Plug Main Harness into 6 pin KDS Plug





14) Plug Interface into Main Harness



6) Final Installation

Reassemble any components you may have taken off your bike during the install, and 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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