

RAPID
BIKERACING

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Kawasaki ZX10R / RR 16-20

INSTALLATION INSTRUCTIONS



Attention: For a correct RB feeding voltage, check the operation of all motorbike electrical system components (lights, fuse, stock connectors, etc.).

1. Turn off the engine.
2. Remove the seats and the fuel tank.

Lower injectors section

3. Locate and disconnect the four 2 pin connectors of the lower injectors (**Fig.1**).

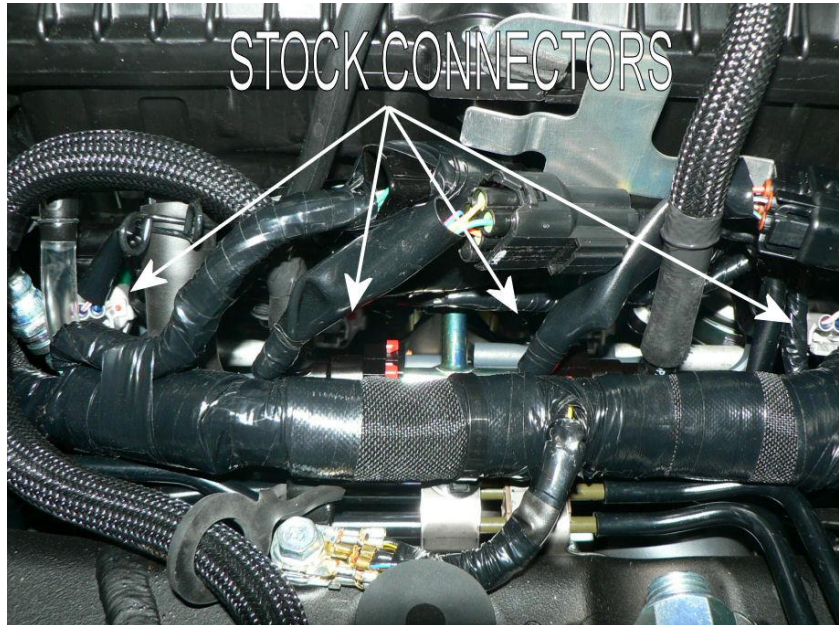


Fig.1

4. Plug the Rapid Bike connectors in-line of the stock injectors and stock wiring harness (**Fig.2**). Follow this order:
red/green wire – Injector one (first injector on the left)
white/black wire – Injector 2
blue wire – Injector 3
white wire – Injector 4 (last injector on the right)



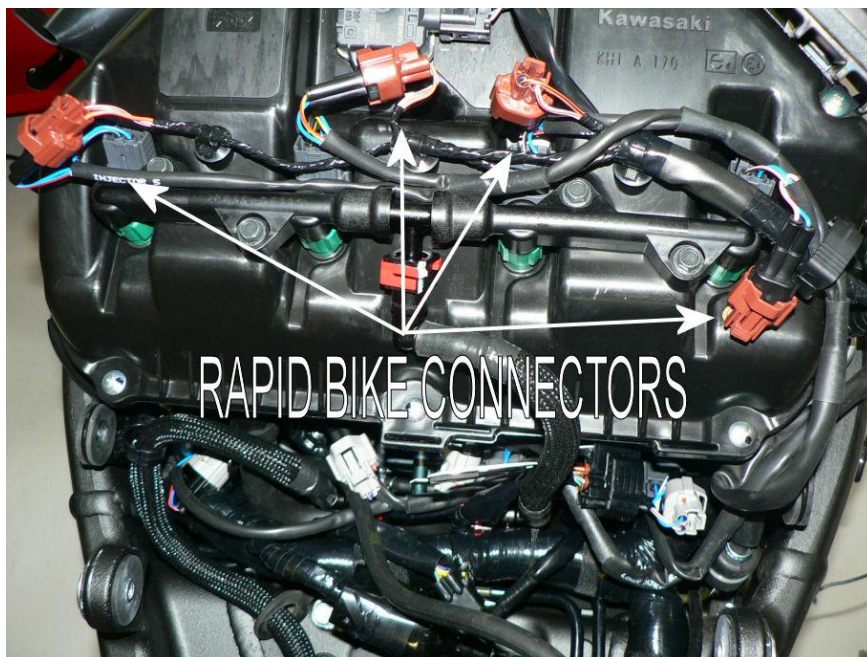
Fig.2

Upper injectors section

5. Locate and disconnect the four 2 pin connectors of the upper injectors, placed on top of the air-box (**Fig.3**).

**Fig.3**

6. Plug the Rapid Bike connectors in-line of the stock injectors and stock wiring harness (**Fig.4**). Follow this order:
- blue/black wire – Injector 5 (first injector on the left)
 - yellow/black wire – Injector 6
 - grey/black wire – Injector 7
 - pink/black wire – Injector 8 (last injector on the right)

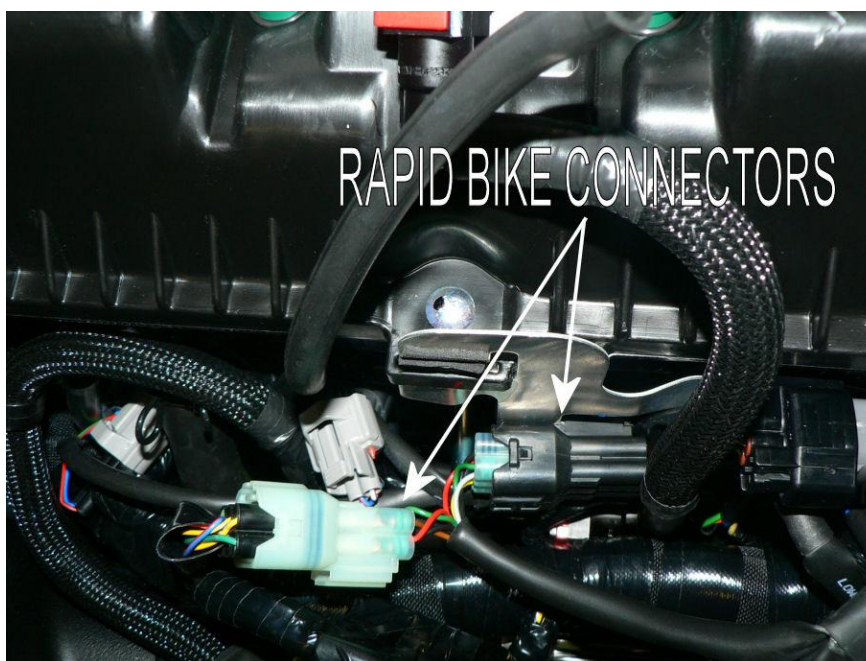
**Fig.4**

Crankshaft sensor section

7. Locate and disconnect the black 6 pin connector, placed under the fuel tank (**Fig.5**).

**Fig.5**

8. Connect the Rapid Bike connectors in-line with the stock harness (**Fig.6**).

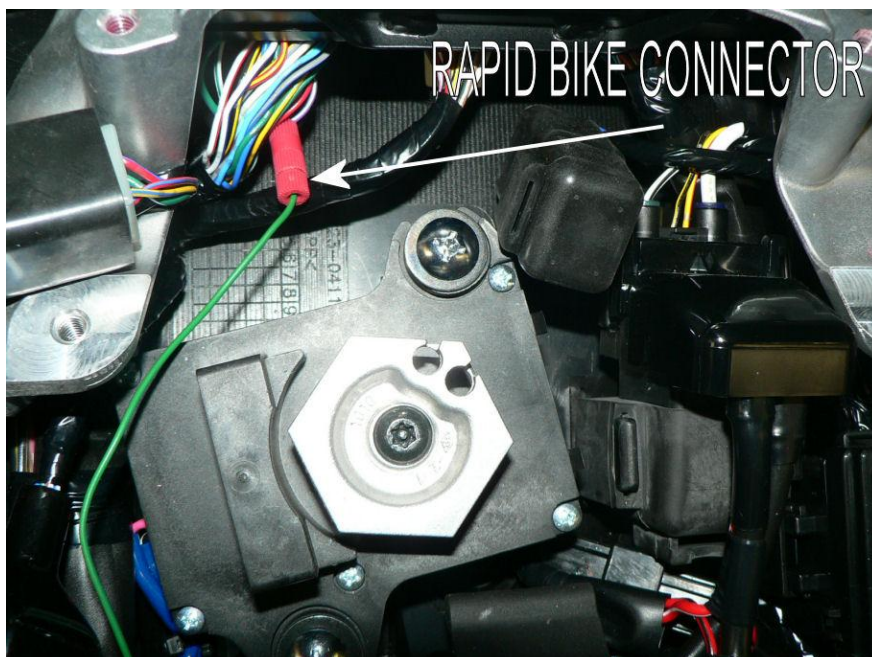
**Fig.6**

T.P.S. section

9. Locate the OEM ECU under the passenger seat. Locate the big plug on the left, marked in **Fig.7** as “N°1”.

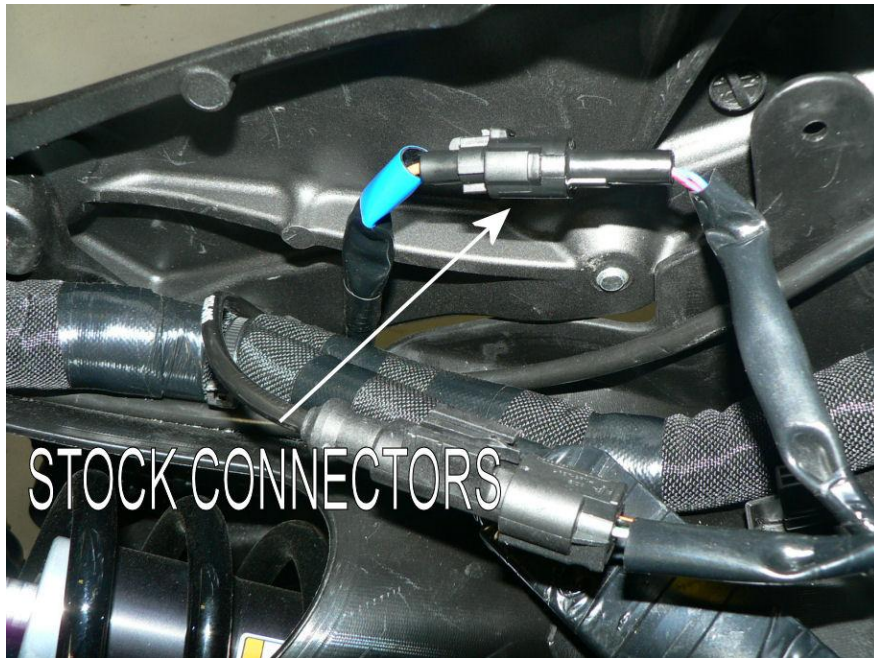
**Fig.7**

10. Locate the violet wire placed on pin #20 of the plug indicated in **Fig.7** and connect the green wire of the Rapid Bike harness using the provided posi-tap connector (**Fig.8**).

**Fig.8**

Feeding voltage section

11. Locate and disconnect the black 2 pin connector placed on the right side under the fuel tank (**Fig.9**).

**Fig.9**

12. Connect the Rapid Bike connectors in-line with the stock harness (**Fig.10**).

**Fig.10**

13. Connect the eyelet of the Rapid Bike harness to the ground bolt on the engine (**Fig.11**).

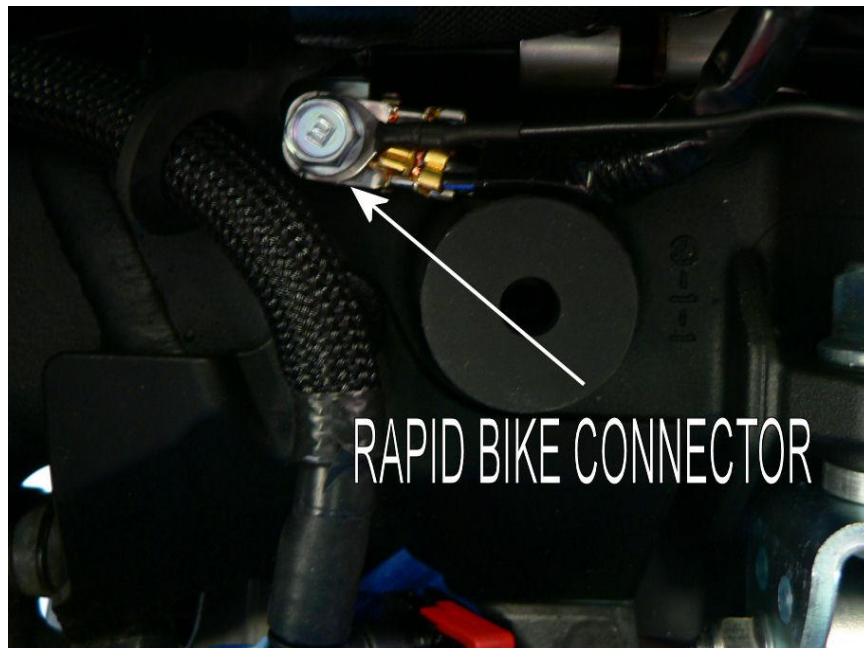


Fig.11

Gear position sensor section

14. Locate the black 3 pin connector placed on the left side (**Fig.12**).



Fig.12

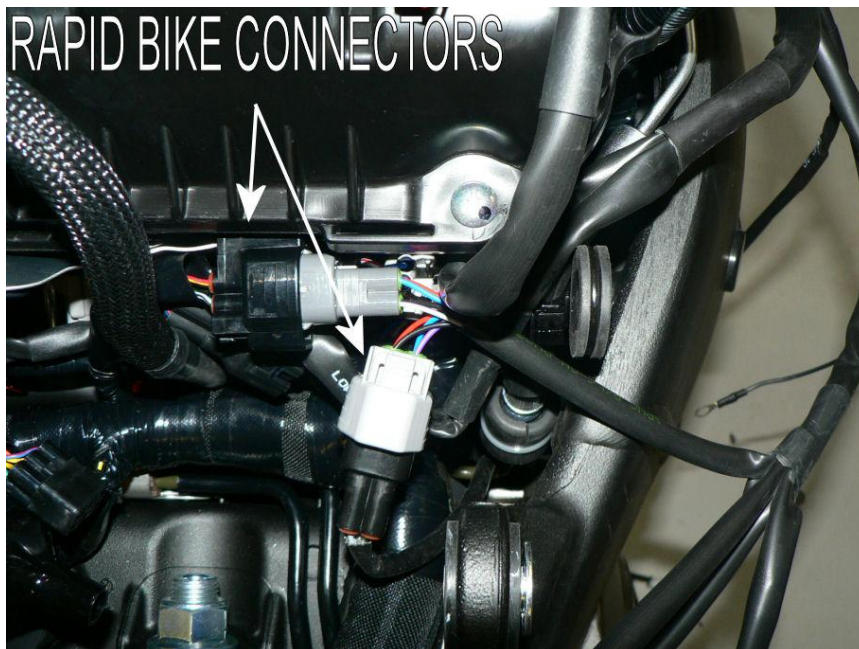
15. Connect the white wire with green stripe of Rapid Bike harness to the white wire of stock connector using the provided posi-tap connector.

O2 sensor section

16. Locate and disconnect the black 4 pin connector placed under the fuel tank on the right side (**Fig.14**).

**Fig.14**

17. Connect the Rapid Bike connectors in-line with the stock harness (**Fig.15**).

**Fig.15**

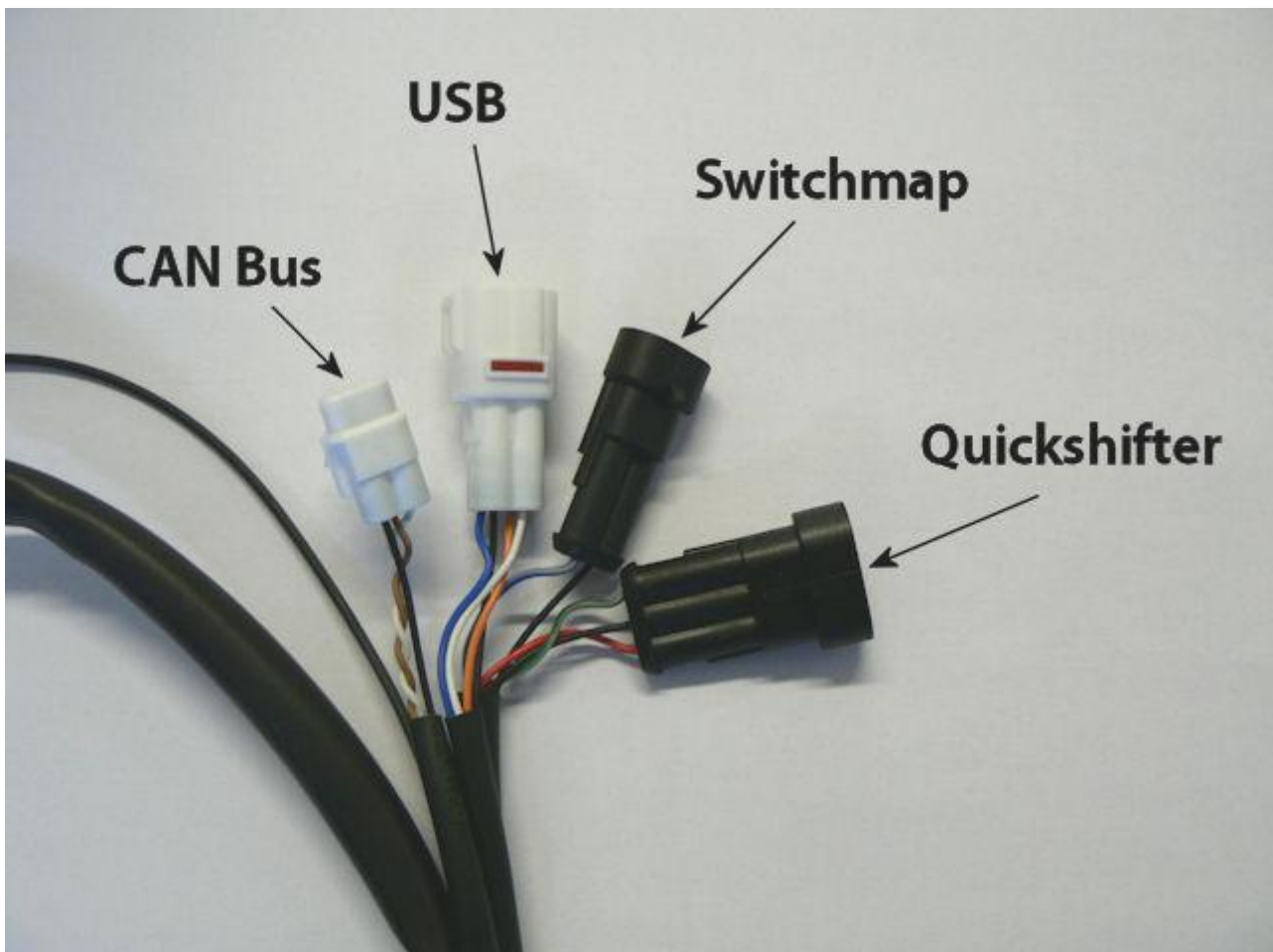
Final section

18. Connect the Rapid Bike wiring harness to the Rapid Bike module.
19. Check the correct connection of all connectors.
20. Place the module inside the right fairing.
21. Place back the fuel tank and the seats.

Accessories section

The Rapid Bike wiring has four other connections for the accessories:

- Connection for the quickshifter sensor (black 3 pin connector)
- Connection for the handlebar switchmap (black 2 pin connector)
- Connection for the CAN Bus interface (white 3 pin connector)
- Connection for the USB interface (white 4 pin connector)



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