

RAPID
BIKERACING

RAPID
BIKEEVO

Kawasaki Ninja 650 2020->23
Kawasaki Versys 650 2021->23
Kawasaki Z 650 2020->23

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 ignition.
2. Remove the seats.
3. Remove fuel tank.

Injection section

4. Locate and disconnect the grey 2 pin connectors of the injectors placed under the airbox. Left injector can be accessed behind TPS connector on the hand side. Right injector can be accessed closed to brake lines on right hand side (**Fig.1**).



Fig.1

5. Connect the Rapid Bike connectors in-line with the stock wiring. Connectors marked as **INJECTOR 1** must be connected to the left side cylinder (**Fig.2**).

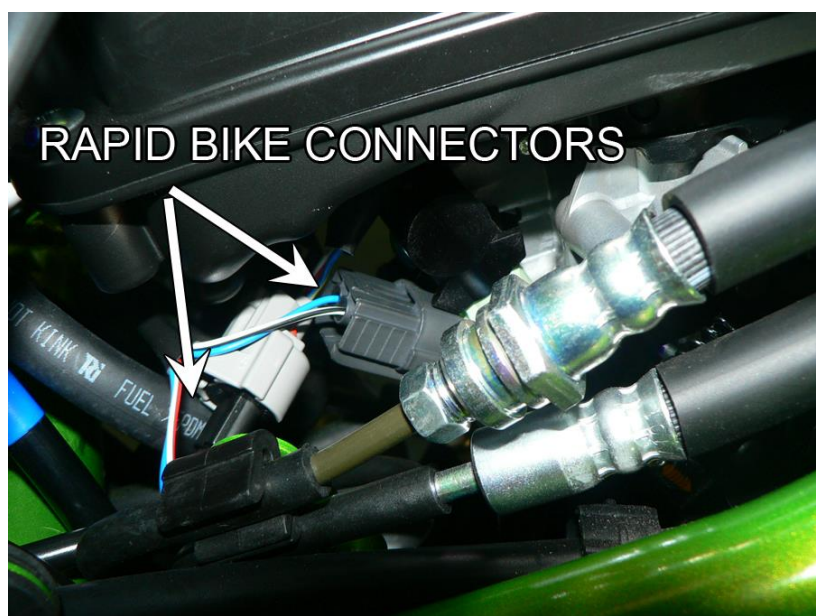


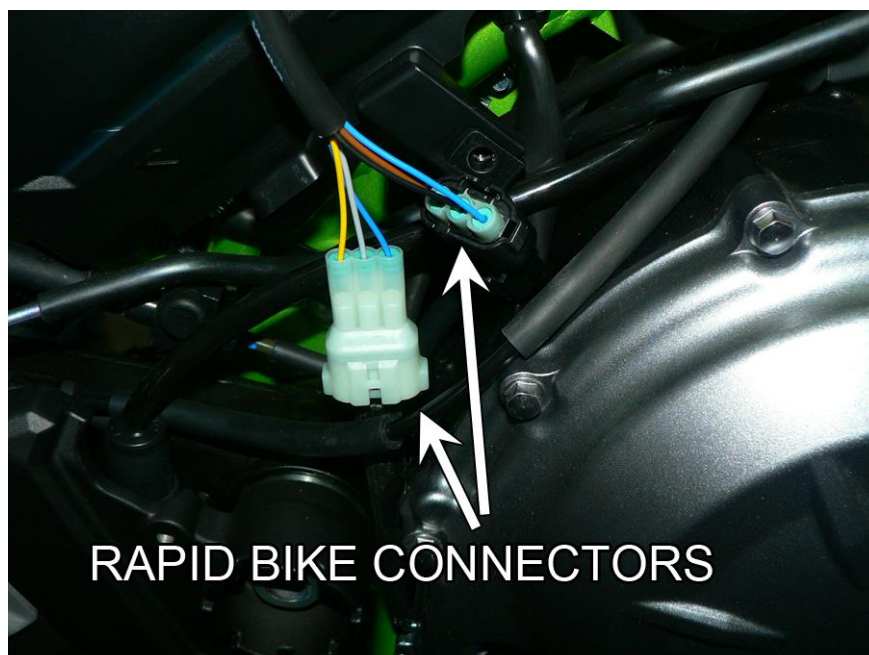
Fig.2

Crankshaft sensor section

6. Locate and disconnect the black 3 pin connector on the right hand side of the bike (Fig.3).

**Fig.3**

7. Connect the Rapid Bike connectors (marked as **CRANK**) in-line with the stock wiring (Fig.4).

**Fig.4**

T.P.S. section

8. Locate the grey 3 pin connector on the left hand side of the bike (**Fig.5**).



Fig.5

9. Connect the green wire coming from the Rapid Bike wiring to the **yellow** wire of the stock connector, using the provided posi-tap connector (**Fig.6**).

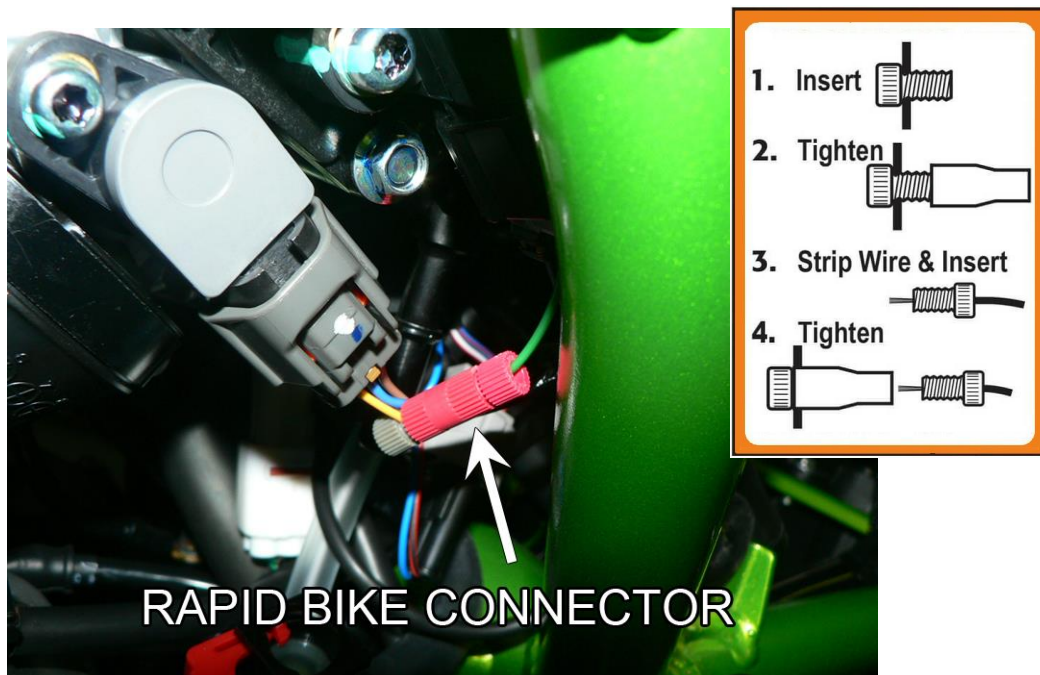


Fig.6

10. Locate and disconnect the black 4 pin connector on the left hand side. Remove the sprocket cover to access the connector (**Fig.7**).



Fig.7

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

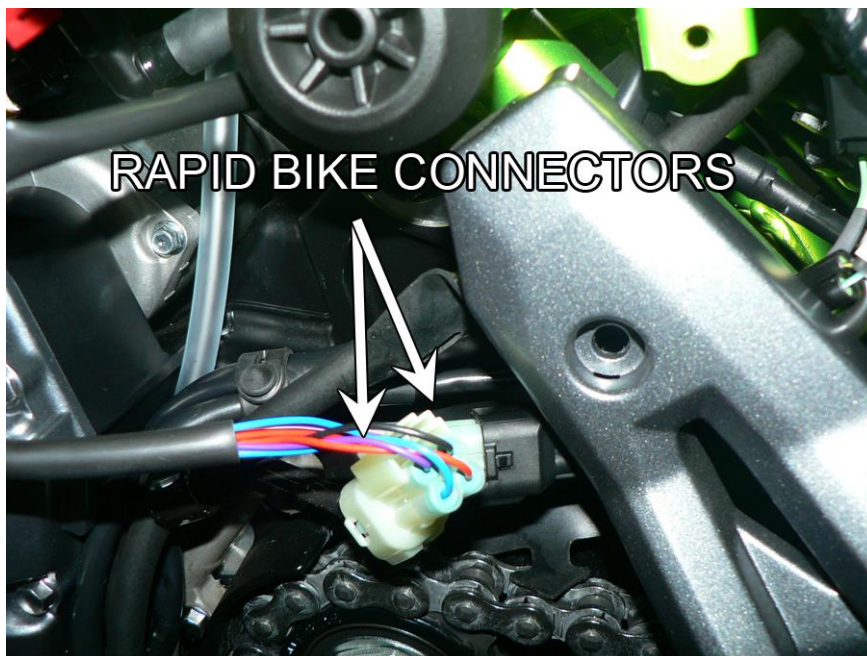


Fig.8

Feeding voltage section

12. Locate and disconnect the black 2 pin connector under the fuel tank into a black rubber boot (**Fig.9**). *Please see note on last page

**Fig.9**

13. Connect the Rapid Bike connectors (marked as **+12V SUPPLY**) in-line with the stock wiring (**Fig.10**).

**Fig.10**

14. Connect the eyelet coming from the Rapid Bike wiring to the negative pole of the battery (**Fig.11**).



Fig.11

Final section

15. Connect the Rapid Bike module to the wiring harness.
16. Check the correct connection of all connectors.
17. Fix the module in the gloves compartment (**Fig.12**)

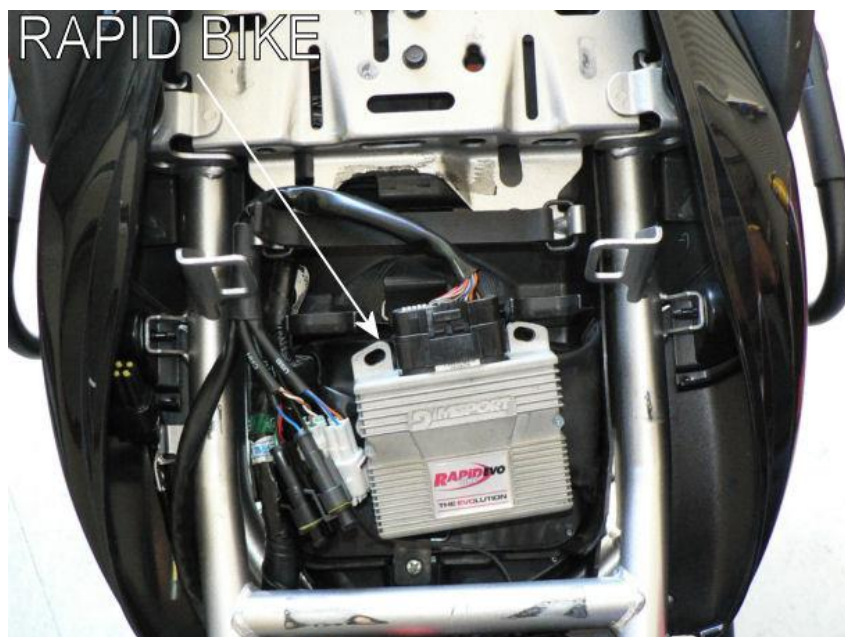


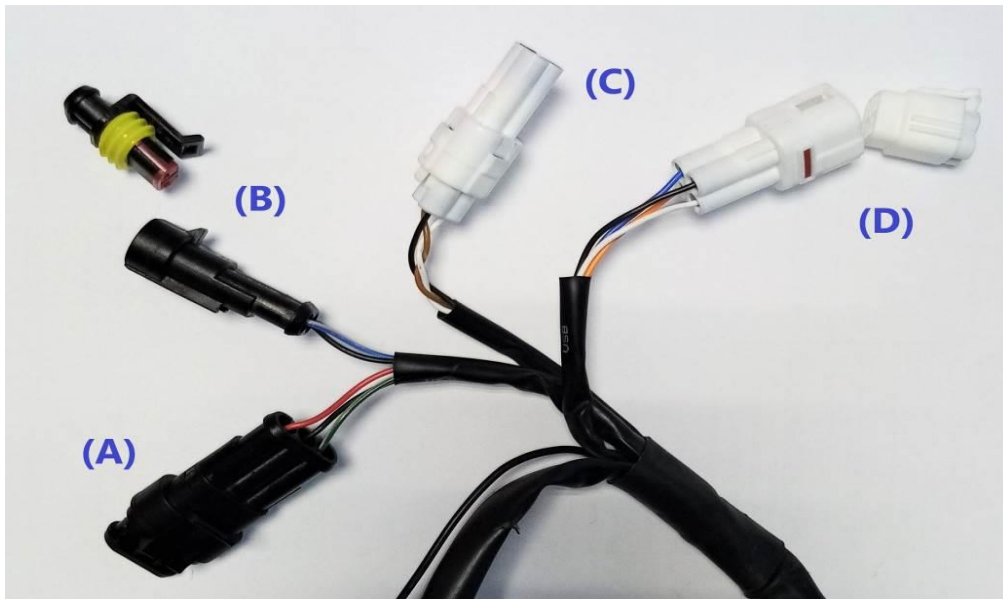
Fig.12

18. Place back the fuel tank and the seats.

Accessories section

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

- A) Connection (aux. 3 pins) for power supply and use of optional accessories such as quick shifter QS/Blipper, Pit-Lane limiter and You-Tune
- B) Connection for using the maps switch (aux. 2 pins)
- C) CAN line connection (3 pins) for communication with optional modules (as MyTuning Bike)
- D) USB connection (4 pins) for PC connection or Bluetooth module



Warning: Connectors for accessories that are not being used should be end up with the matching provided caps.

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Switched 12v supply provided by the rear brake switch, whose connector is located on the inboard side of the frame right by the upper shock clevis joined with the crankshaft sensor wiring.