

RAPID
BIKERACING

RAPID
BIKEEVO

Kawasaki ZX-25R 20->22
Kawasaki Ninja ZX-4R/RR 24->

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, side fairings and the fuel tank.

Injection section

3. Locate and disconnect the four 2 pin grey connectors (**Fig.1**).

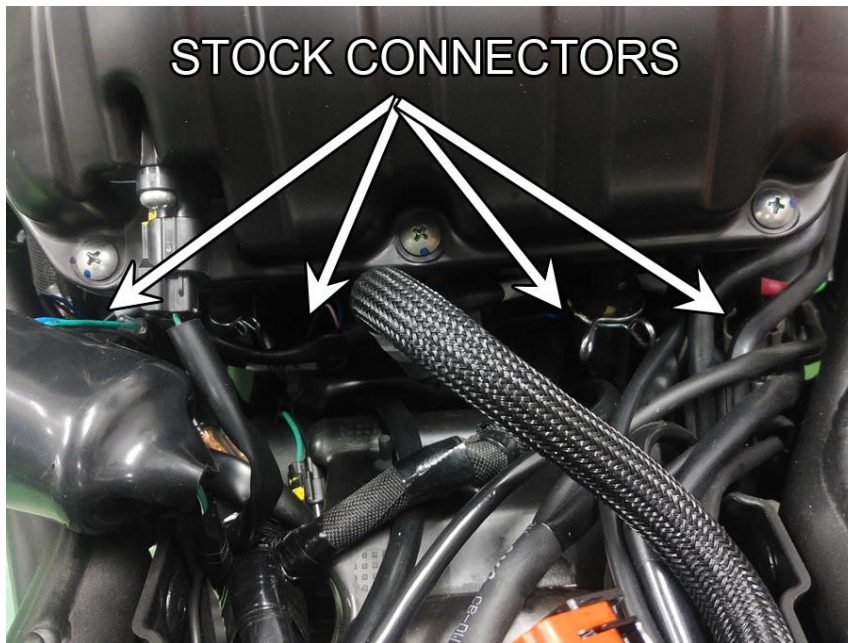


Fig.1

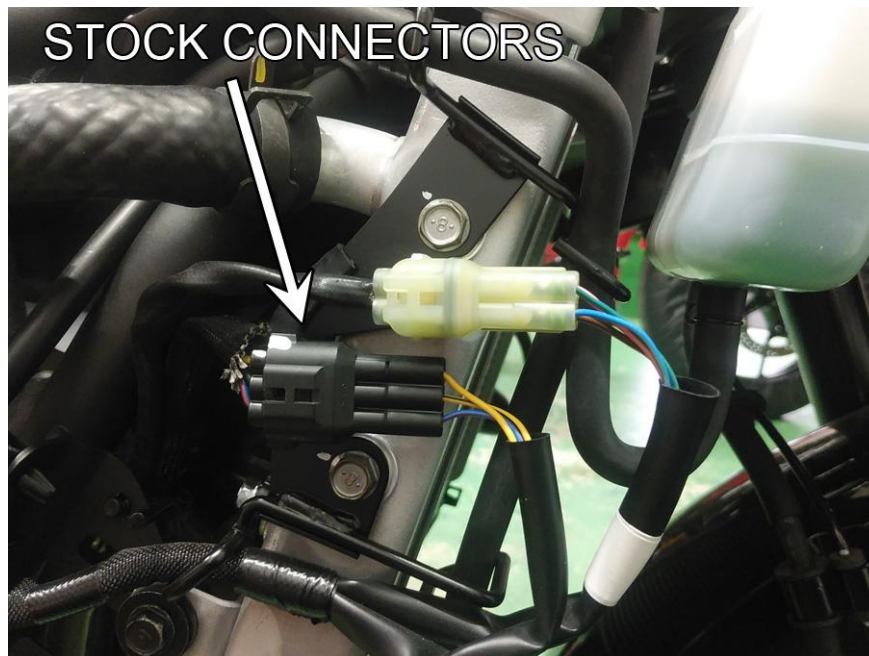
4. Connect the Rapid Bike connectors to the stock ones following this order:
red/green wire – Injector one (first injector on the left); white/black wire – Injector 2;
blue wire – Injector 3; white wire – Injector 4 (last injector on the right) (**Fig.2**).



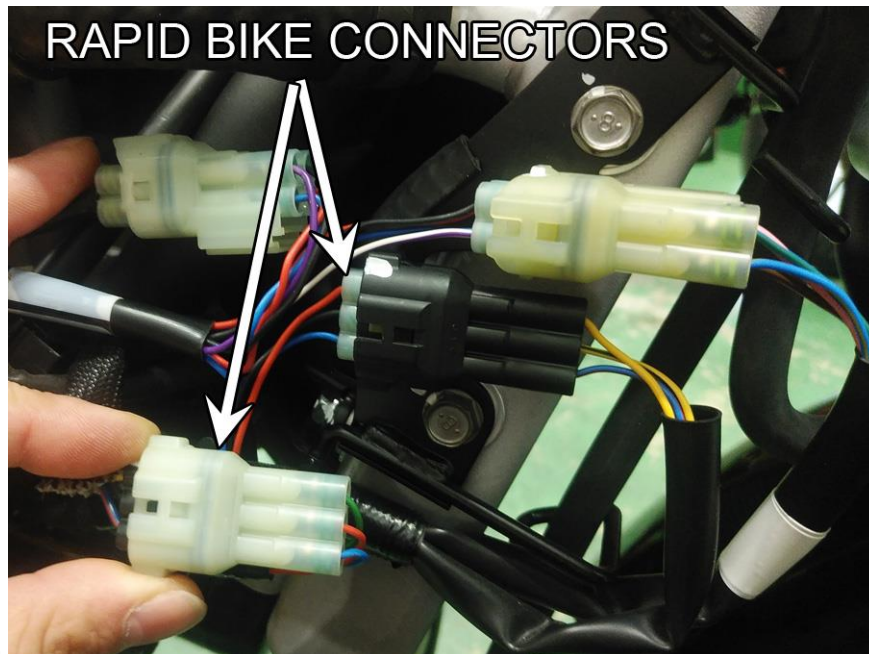
Fig.2

Crankshaft sensor section

5. Locate and disconnect the 3 pin black connector placed on the right side of the coolant radiator (**Fig.3**).

**Fig.3**

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

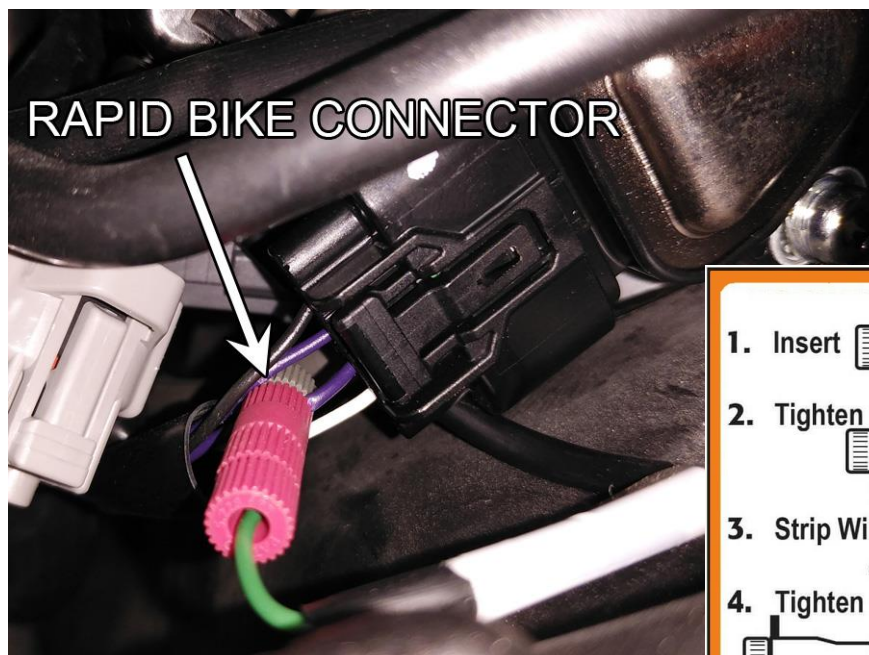
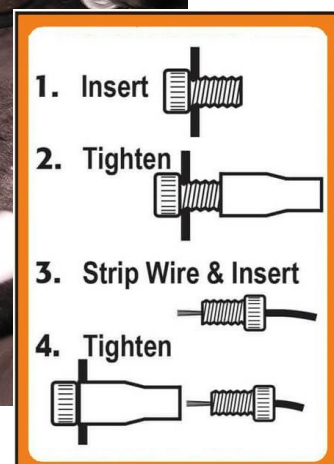
**Fig.4**

T.P.S. section

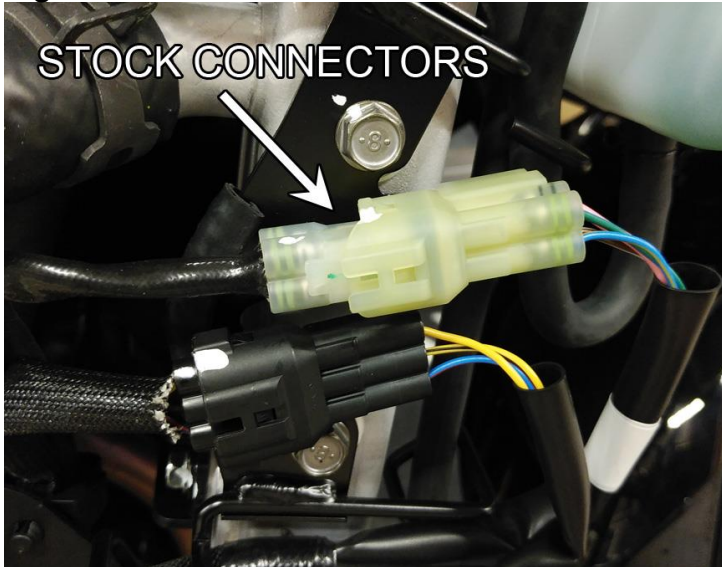
7. Locate the 6 pin black connector with 4 wires placed on the right side of the throttle body (**Fig.5**).

**Fig.5**

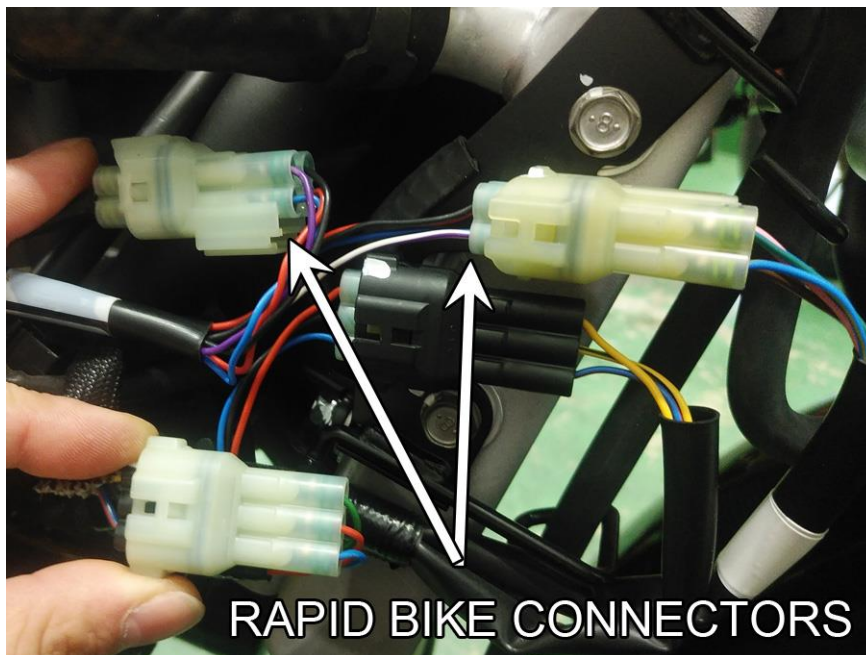
8. Connect the green wire of the Rapid Bike wiring to the violet wire (second from the right) of the T.P.S. connector using the supplied posi-tap connector (**Fig.6**).

**Fig.6**

9. On the **ZX-25R**: locate and disconnect the 4 pin white connectors placed on the right side of the coolant radiator (**Fig.7a**).
On the **ZX-4R**: locate and disconnect the 4 pin grey and black connectors by following the silicone sheath from the front O2 probe (**Fig.7b**). In this E5 bikes there are also a rear probe (after the catalyst) which must remain original and function correctly.

Fig.7a**Fig.7b**

10. Connect the Rapid Bike connectors in line with the stock connectors (**Fig.8**).

**Fig.8**

Gear position sensor section

11. Locate the black 3 pin connector placed on the left side near the first injector, inside a rubber boot (Fig.9).

WARNING: stock connectors have been unplugged to ease the picture. Do not unplug them during installation!

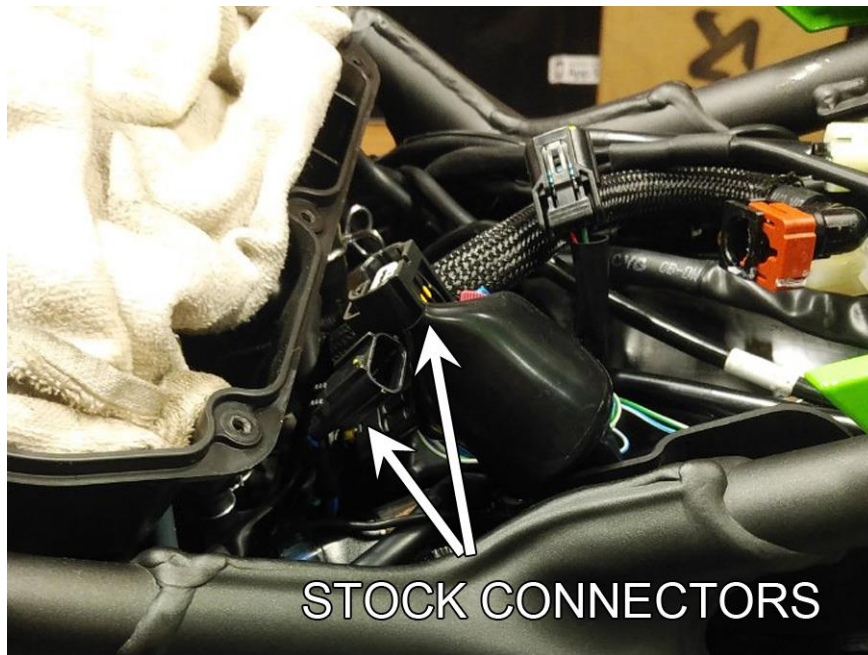
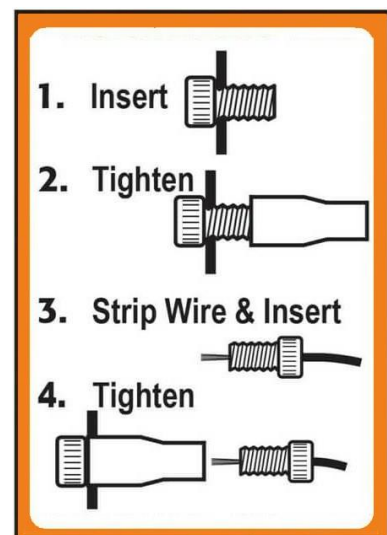


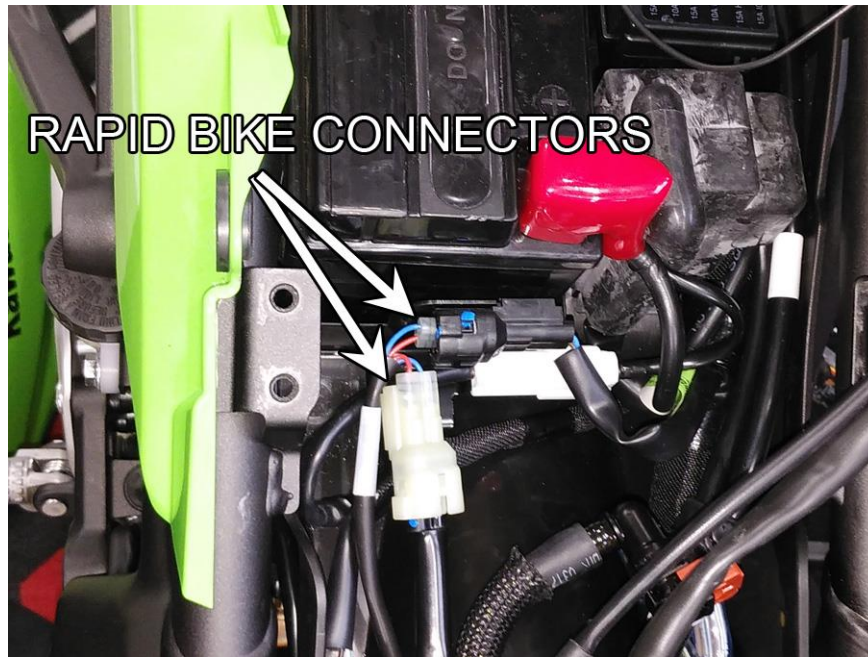
Fig.9

12. By using the provided posi-tap, connect the wire in central position of the stock connector (point 1+2 of following schema) with the white with green stripe wire of Rapid Bike harness (point 3+4).

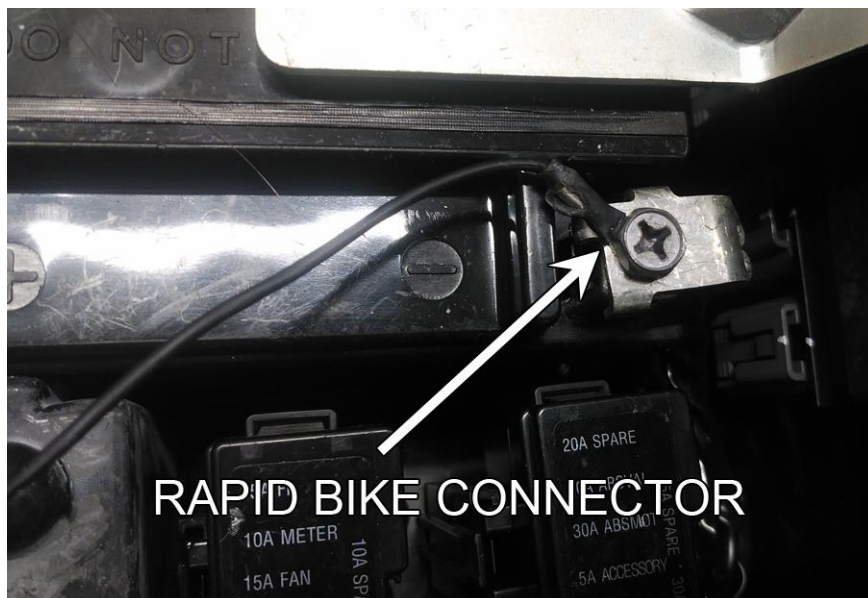


Feeding voltage section

13. Locate and disconnect the black 2 pin connectors of the rear brake light switch placed under the fuel tank near the battery.
14. Connect the Rapid Bike connectors (marked as **+12 SUPPLY**) in line with the stock connectors (**Fig.10**).

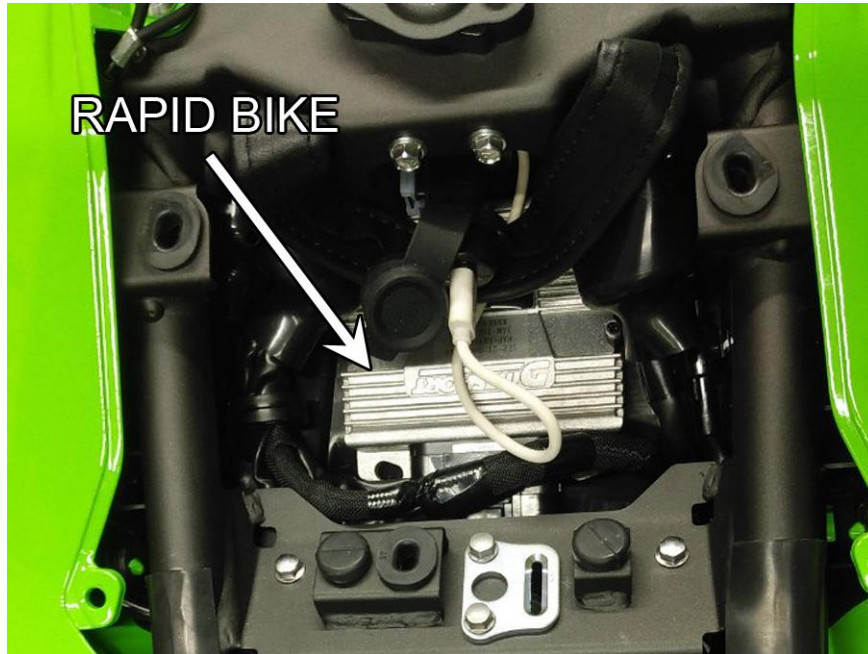
**Fig.10**

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

**Fig.11**

Final section

16. Connect the RAPID BIKE's wiring to the RAPID BIKE add on module.
17. Check the correct connection of all the connectors.
18. Place the Rapid Bike module under the seat (**Fig.12**).

**Fig.12**

19. Place back the fuel tank, fairings, and seats.

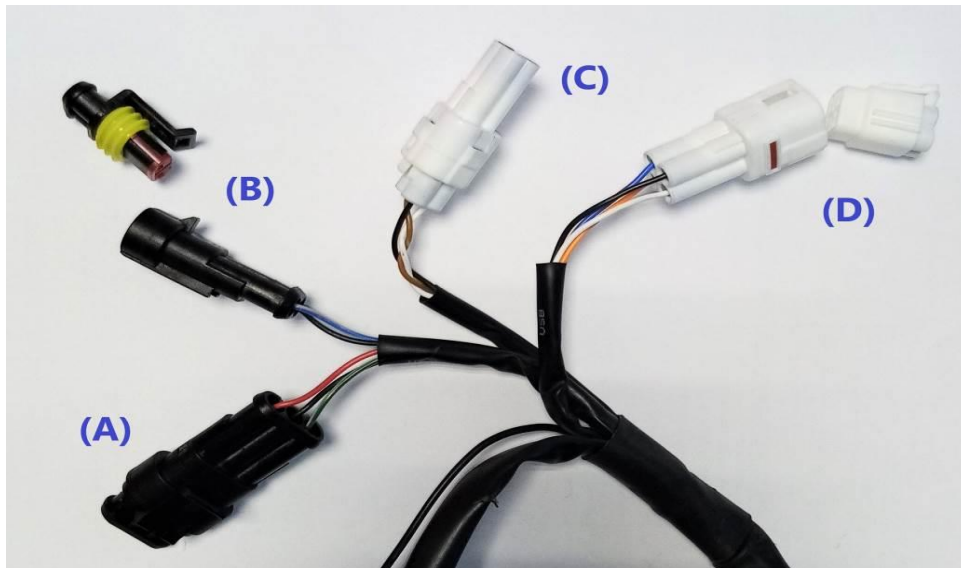
Running notes

Warning: during operation the lambda probe takes a long time to warm up and work. For at least 4-5 minutes from when the engine is started the signal can remain at zero volts, then slowly rise and begin to work.

Accessories section

The Rapid Bike wiring has four other connections for the 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
- 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.

Online features

Below are useful links for information and online help:

<https://www.dimsport.it/en/rapid-bike/>

<https://reserved.dimsport.com/kb/Filemanager.aspx?id=1032>

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