

RAPID
BIKERACING

RAPID
BIKEEVO

Aprilia RS 660 20-24
Aprilia Tuono 660 21-24

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, fuel tank and side fairings.

Injection section

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

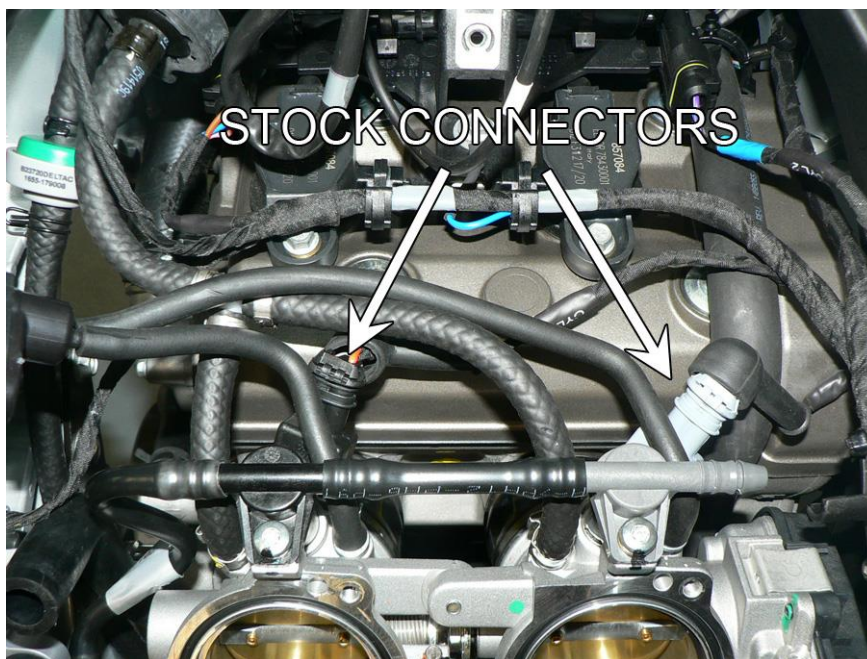


Fig.1

4. Connect Rapid Bike connectors marked as **INJECTOR 1** in line with black stock connector (left cylinder) and Rapid Bike connectors marked as **INJECTOR 2** in line with grey stock connector (right cylinder) (**Fig.2**).

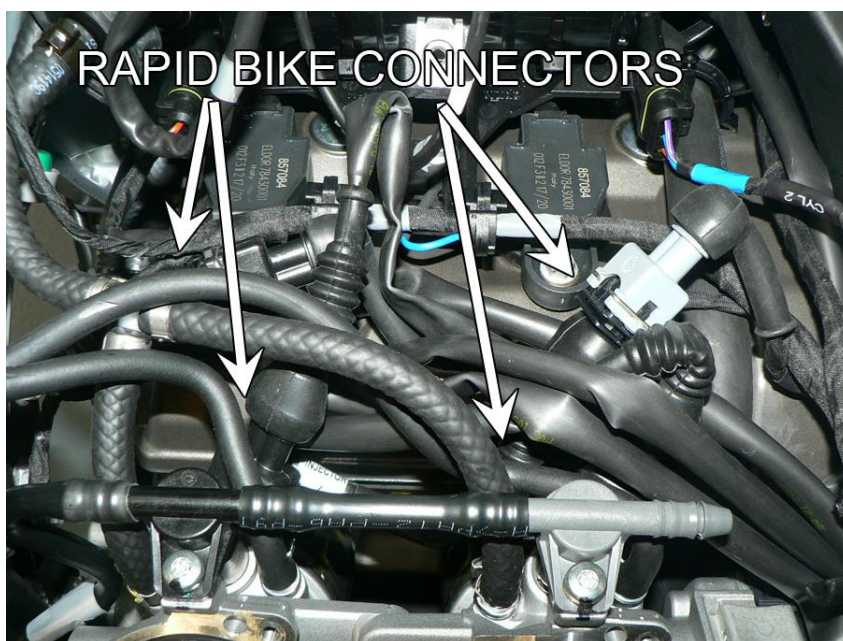


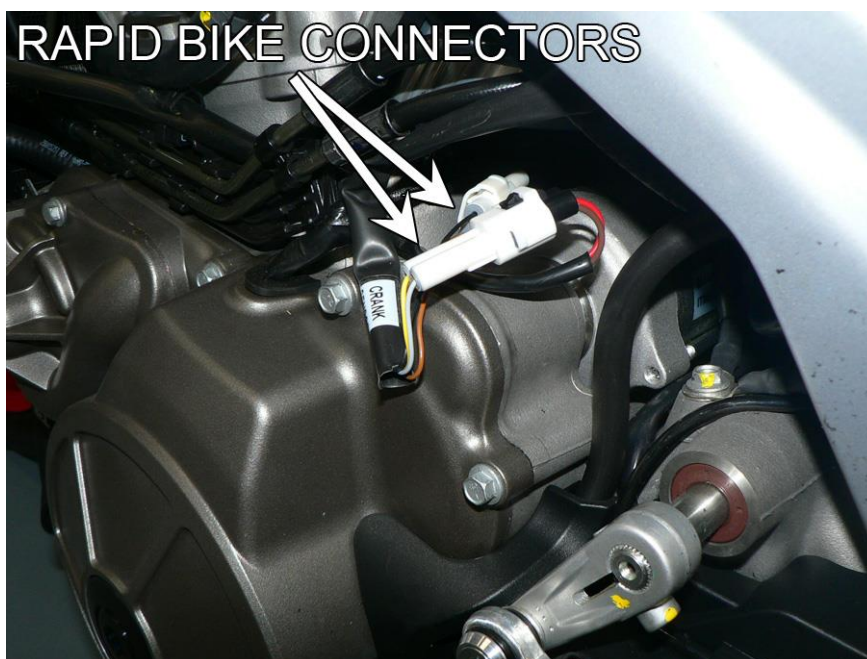
Fig.2

Crankshaft sensor section

5. Locate and disconnect the white and black 2 pin connector placed on the left side on top of the crankcase (**Fig.3**).

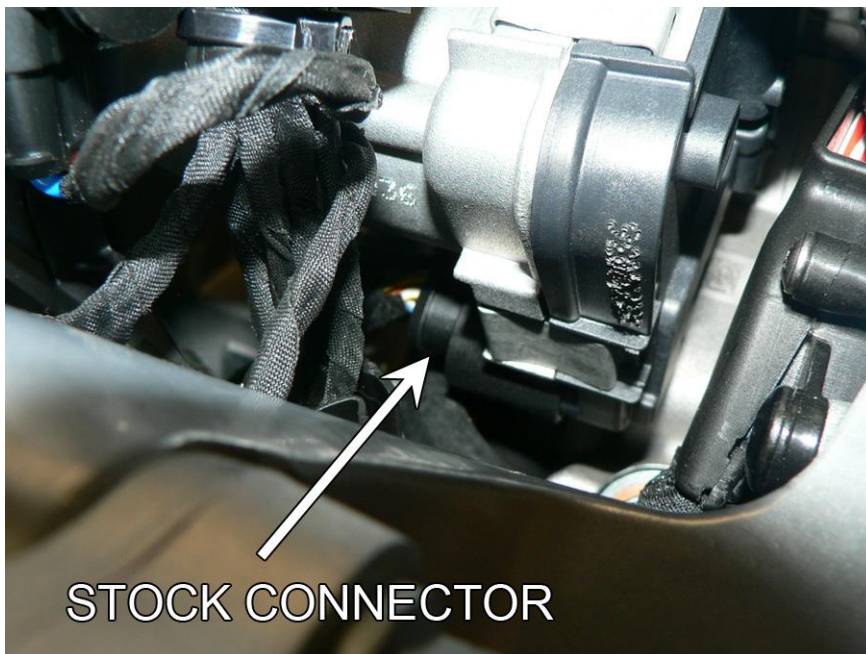
**Fig.3**

6. Connect the Rapid Bike connectors in line with the stock connectors (**Fig.4**).

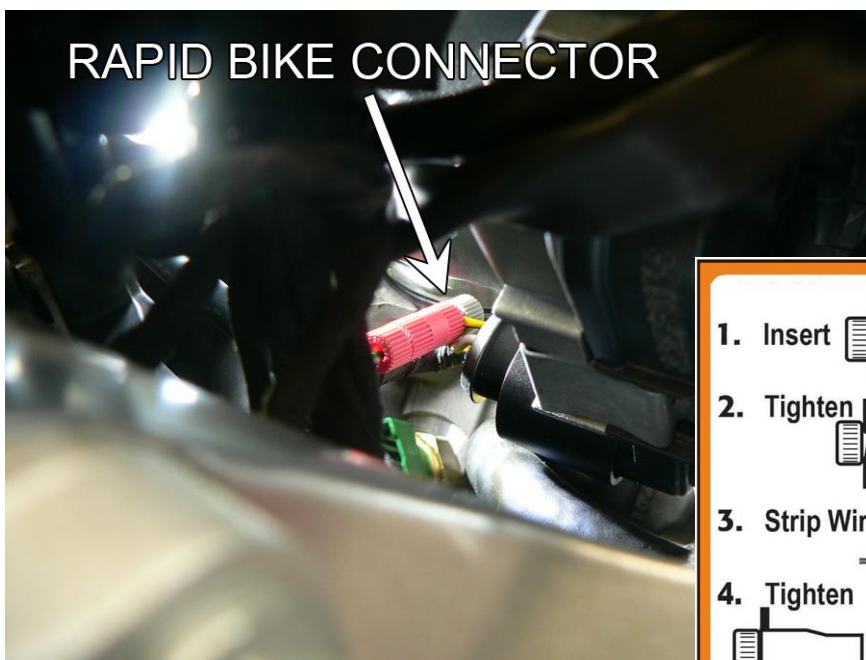
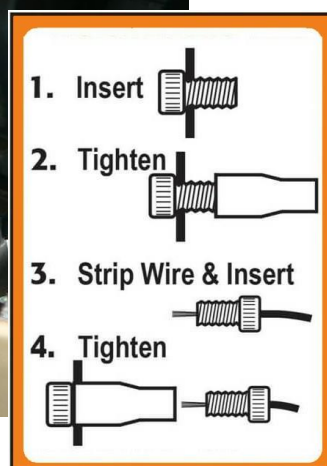
**Fig.4**

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**).

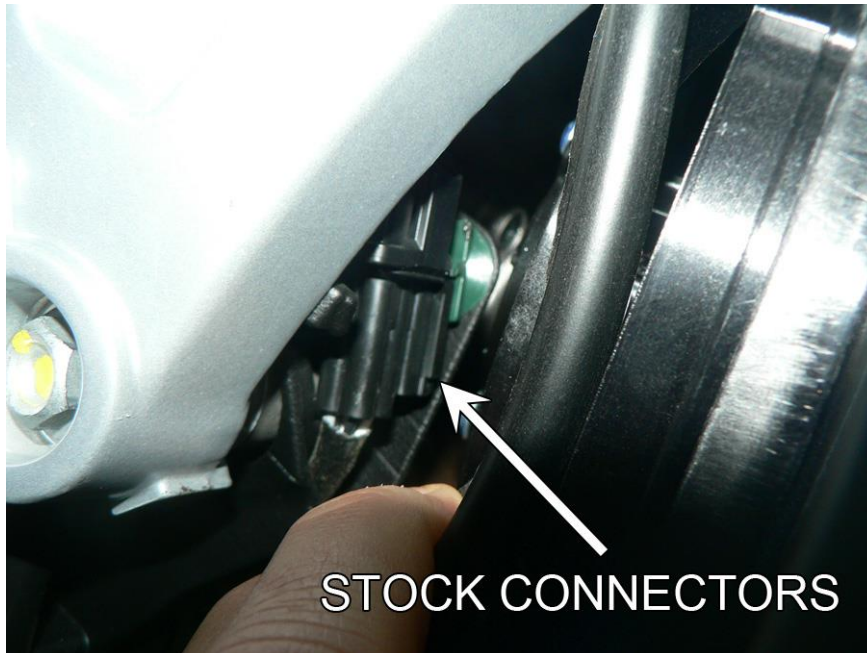
**Fig.5**

8. Connect the green wire of the Rapid Bike wiring to the yellow wire with a black stripe of the T.P.S. connector using the supplied posi-tap connector (**Fig.6**).

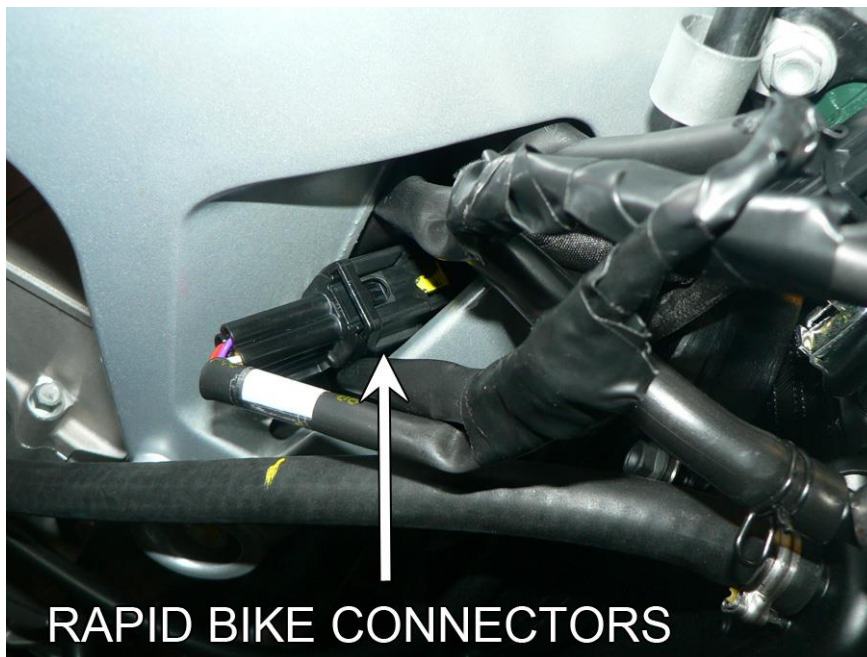
**Fig.6**

O2 sensor section

9. Locate and disconnect the black 4-pin connectors of the left cylinder's O2 sensor placed on the right side of the bike and hidden behind the frame (**Fig.7**).

**Fig.7**

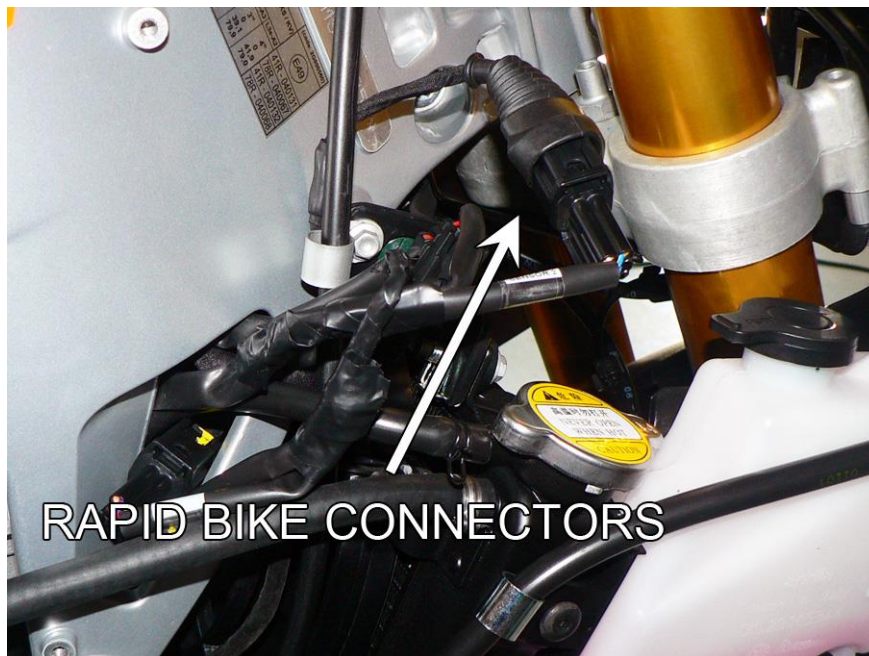
10. Connect the Rapid Bike connectors marked as **O2 SENSOR 1** in line with the stock connectors (**Fig.8**).

**Fig.8**

11. Locate and disconnect the black 4-pin connectors of the right cylinder's O2 sensor placed on the right side of the bike (**Fig.9**).

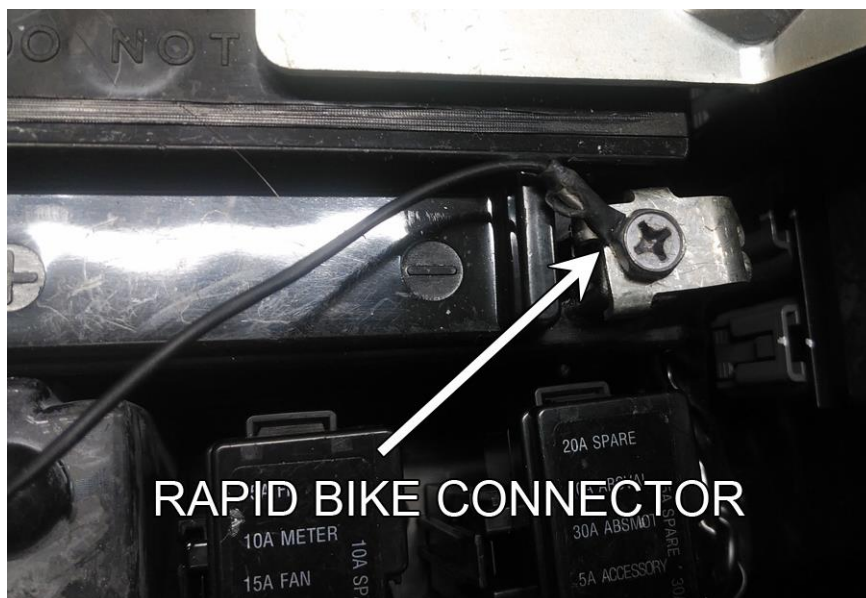
**Fig.9**

12. Connect the Rapid Bike connectors marked as **O2 SENSOR 2** in line with the stock connectors (**Fig.10**).

**Fig.10**

Final section

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

**Fig.11**

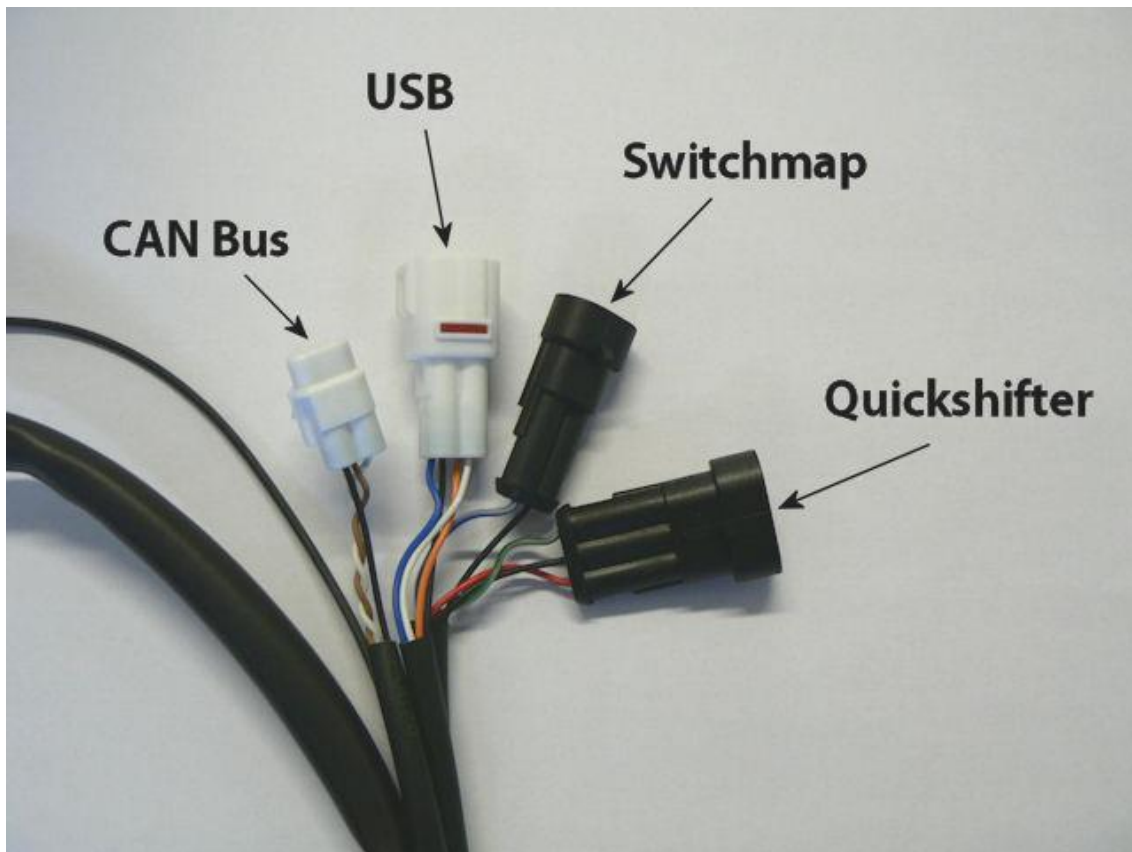
14. Connect the Rapid Bike wiring to the Rapid Bike module.
15. Check the correct connection of all the connectors.
16. Place the Rapid Bike module under the seat (**Fig.12**).

**Fig.12**

17. Reinstall the side fairings, fuel tank and seats.

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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