

RAPID
BIKERACING

RAPID
BIKEEVO

Aprilia Dorsoduro 750 09-16
Aprilia Shiver 07-16 (RapidBike Evo only)

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 main seat and the fuel tank.

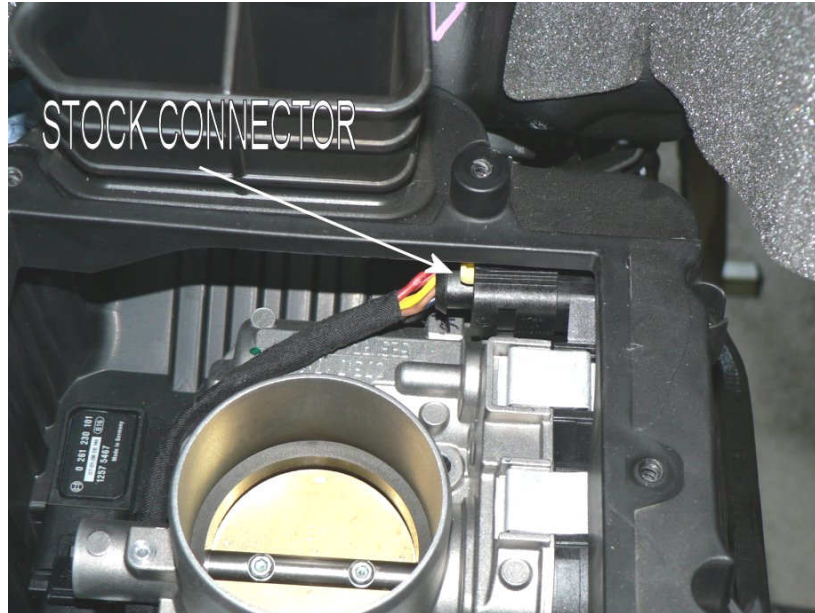
Injection section

3. Locate and disconnect the 2 way connector of the front cylinder's injector.
4. Connect Rapid Bike connectors marked as **INJECTOR 1** in-line of the stock harness.
5. Locate and disconnect the 2 way connector of the rear cylinder's injector.
6. Connect Rapid Bike connectors marked as **INJECTOR 2** in-line of the stock harness.

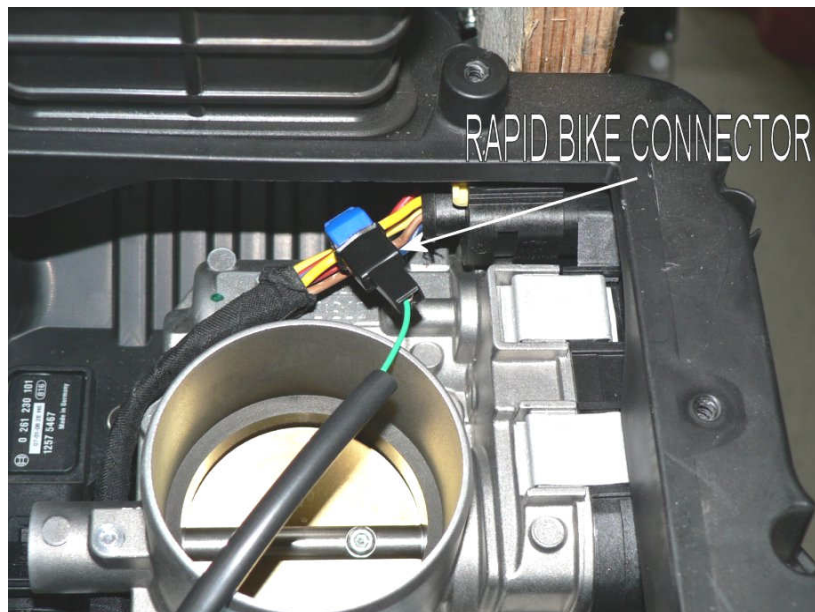
WARNING: In case the harness has one couple of 6-way connectors marked as "INJECTORS", then follow the instructions at the bottom of this manual (Page 9).

T.P.S. section

7. Locate and disconnect the black six-way connector placed into the airbox (Fig.1).

**Fig.1**

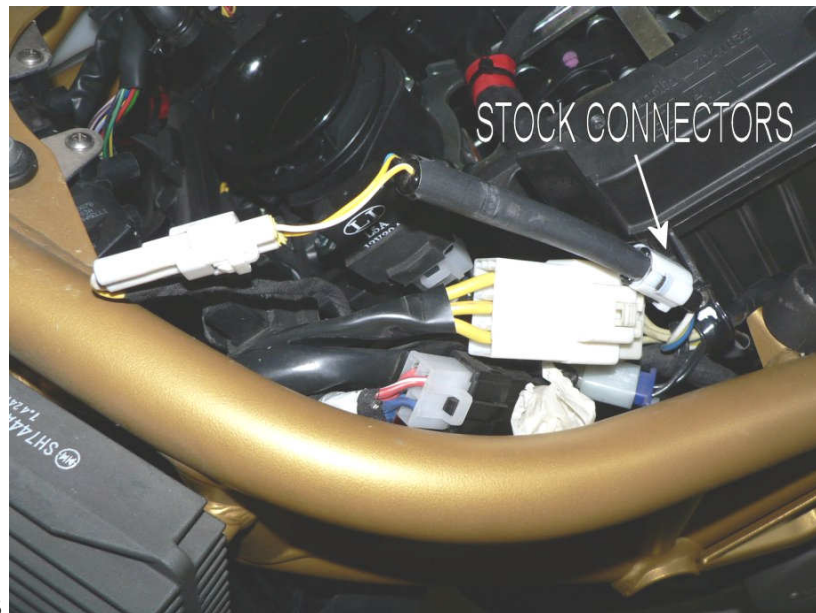
8. Connect the green wire of the RAPID BIKE wiring harness to the wire located in central position on the top row of the stock connector (Pin #4), using the posi-tap connector (Fig.2).

**Fig.2**

9. Connect the stock connector in the original position.

Crankshaft sensor section

10. Locate and disconnect the white two-way connector on the front-left side of the motorbike (Fig.3).

**Fig.3**

11. Connect the connectors of RAPID BIKE wiring harness to the stock connectors (Fig.4).

**Fig.4**

O2 sensor section

15. Locate and disconnect the 4 pin black connector of the o2 sensor (Fig.5).

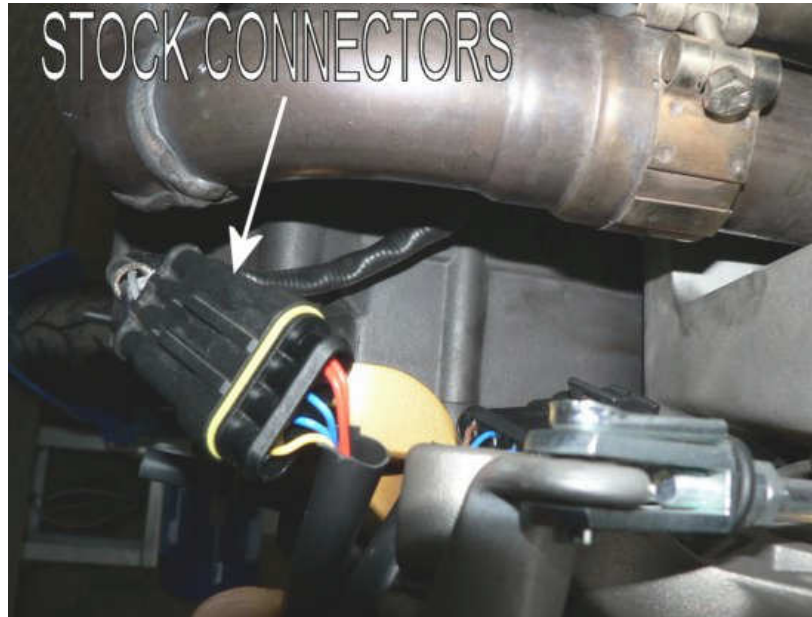


Fig.5

12. Connect the Rapid Bike connectors in-line with the stock connectors (Fig.6).

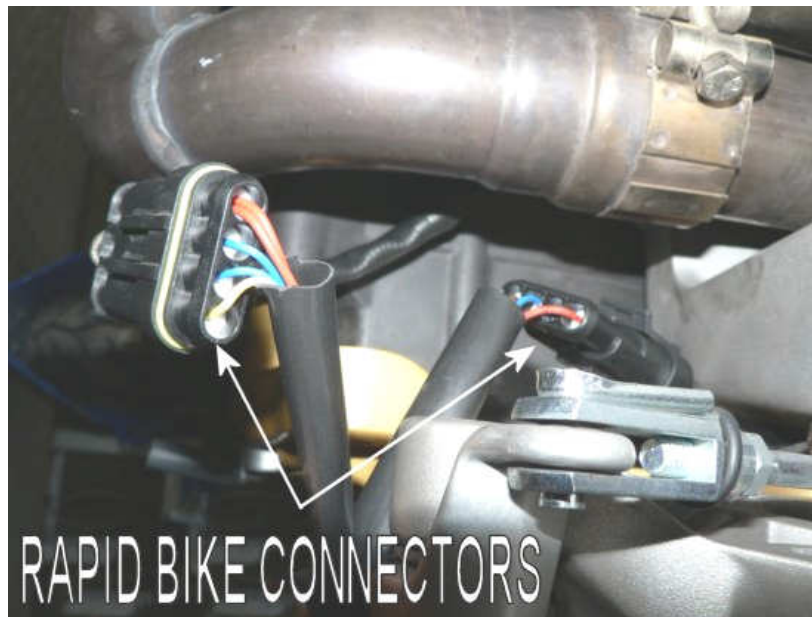
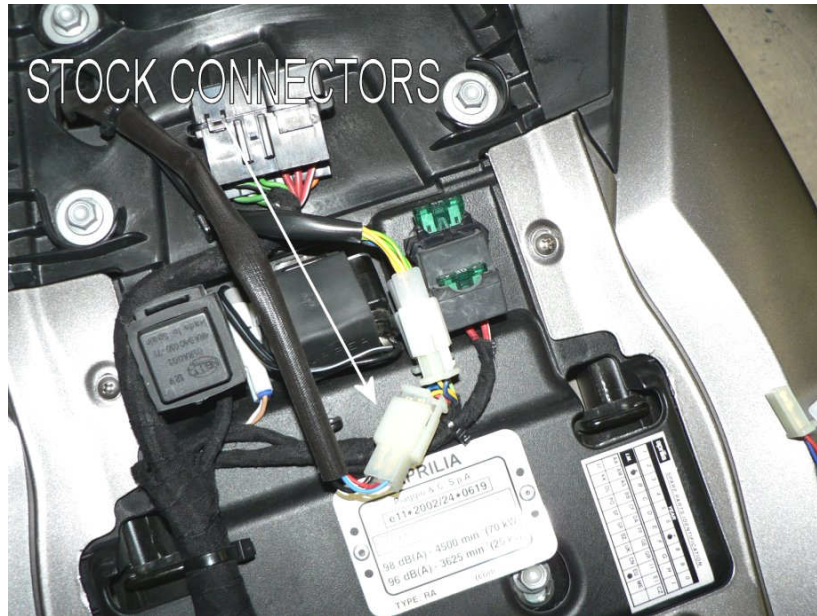
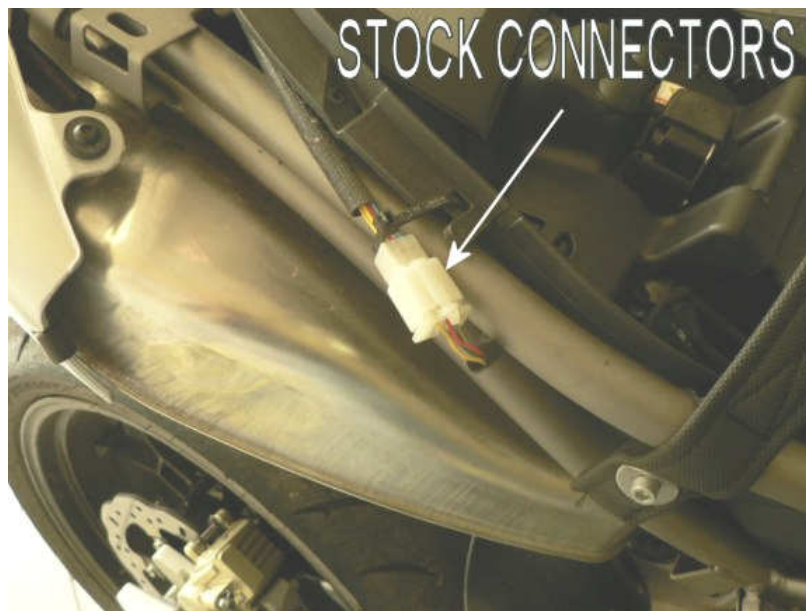


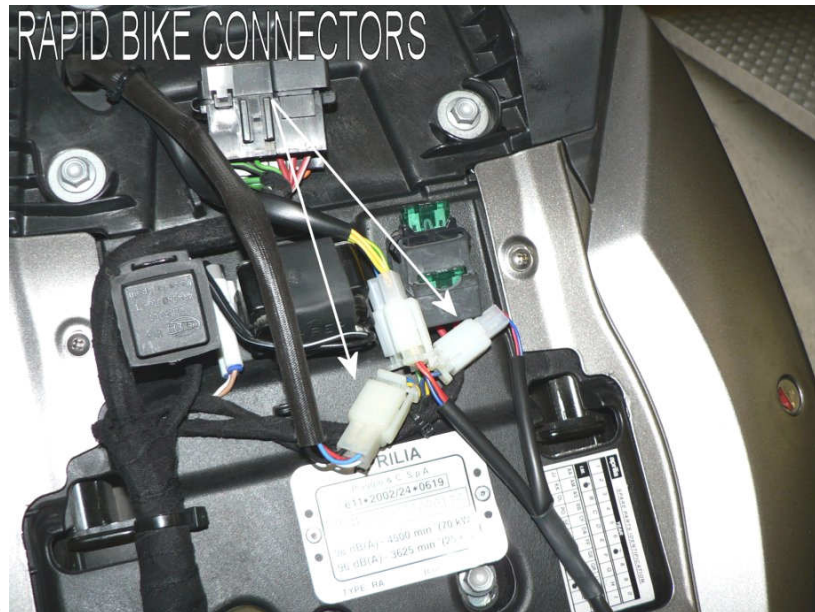
Fig.6

Feeding voltage section

13. SHIVER: Locate and disconnect the white 3 pin connector on the back of the underseat compartment (Fig.7A).
DORSODURO: Locate and disconnect the white 6 pin connector on the right side of the underseat compartment (Fig.7B)

**Fig.7A****Fig.7B**

14. Connect the Rapid Bike connectors in-line with the stock connectors. Use the provided adapter to perform the connection on Dorsoduro model (Fig.8).

**Fig.8**

15. Connect the eyelet from the RAPID BIKE wiring harness to the negative pole of the battery (Fig.9).

**Fig.9**

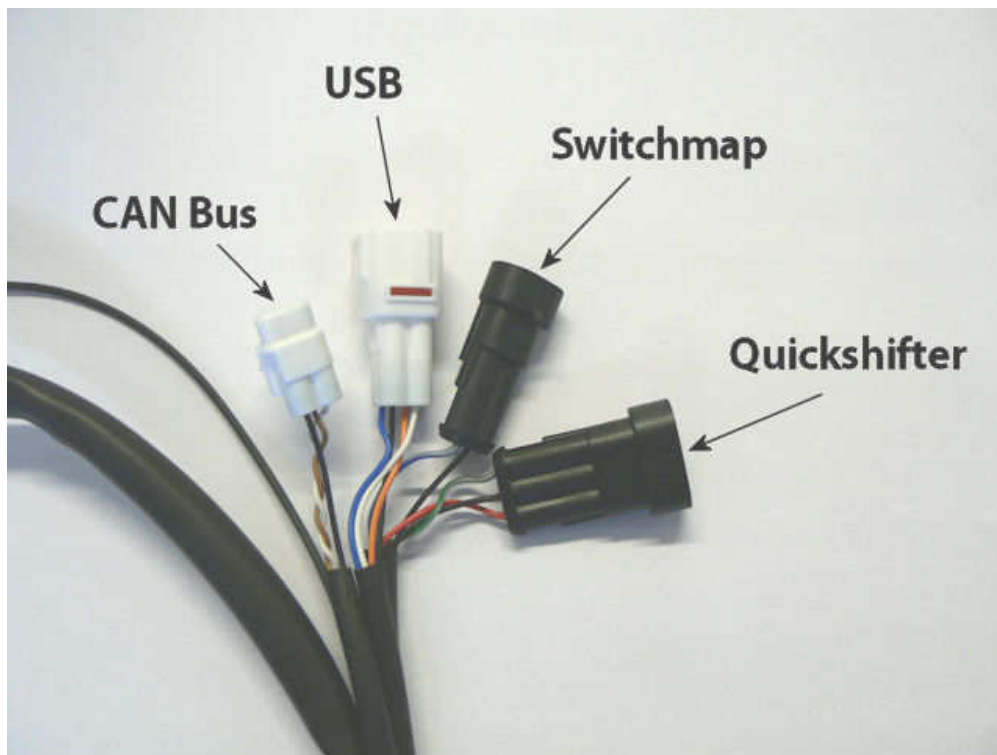
Final Section

14. Connect the Rapid Bike wiring harness to the RAPID BIKE module.
15. Check the correct connection of all the connectors.
16. Fix the RAPID BIKE control unit to the motorbike in the underseat compartment.
17. Place back the fuel tank and the seat.

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)

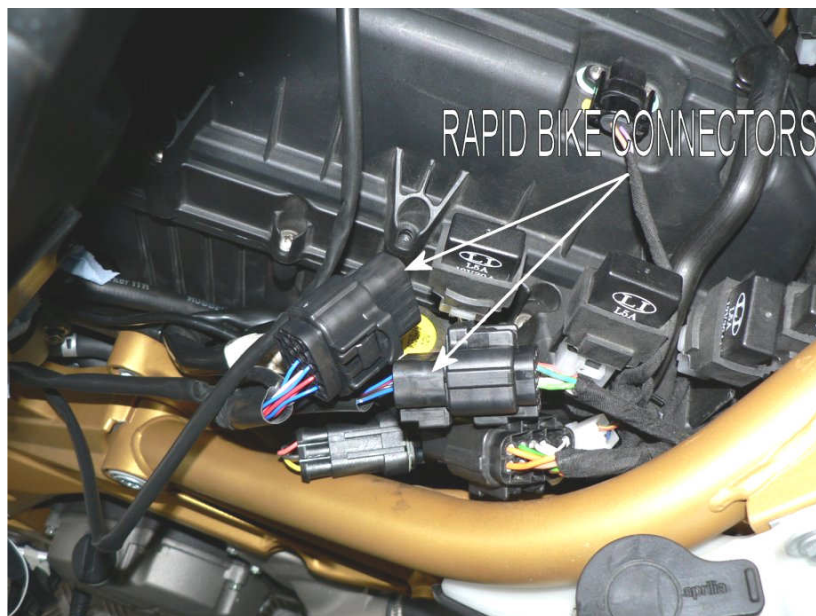


Notes:

1. Locate and disconnect the black six-way connector on the front-right side of the motorbike.



2. Connect the black six-way connector of the RAPID BIKE wiring harness to the stock connector.



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