



Ducati Hyperstrada 821
Ducati Hypermotard 821

INSTALLATION INSTRUCTIONS



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

1. Turn off the engine.
2. Remove the seat.
3. Remove the fuel tank. To access all the screw to loosen the tank it's necessary to remove first the rear shock reservoir (not necessary on the SP model) WITHOUT disconnect it from the rear shock, then remove the cover that covers the fuel pump.

Crankshaft sensor section

4. Locate and disconnect the black 3 pin connector placed on the right side of the bike (**Fig.1**).



Fig.1

5. Connect the Rapid Bike connectors in-line of the stock connectors (**Fig.2**).



Fig.2

Injection section

6. Locate and disconnect the black 2 pin connector of the front cylinder's injector placed behind the radiator (**Fig.3**).

**Fig.3**

7. Connect the Rapid Bike connectors marked as **INJECTOR 1** in-line of the front injector and the stock wiring harness (**Fig.4**).

**Fig.4**

8. Locate and disconnect the black 2 pin connector of the rear cylinder's injector (**Fig.5**).

**Fig. 5**

9. Connect the Rapid Bike connectors marked as **INJECTOR 2** in-line of the rear injector and the stock wiring harness (**Fig.6**).

**Fig.6**

O2 sensor section

10. Locate and disconnect the black 4 pin connector of the front cylinder's O2 sensor, placed under the engine on the left hand side (**Fig.7**).

**Fig.7**

11. Connect the Rapid Bike connectors marked as **O2 SENSOR 1** in-line of the stock connectors (**Fig.8**).

**Fig.8**

12. Locate and disconnect the black 4 pin connector of the rear cylinder's O2 sensor, placed on the right hand side (**Fig.9**).

**Fig.9**

13. Connect the Rapid Bike connectors marked as **O2 SENSOR 2** in-line of the stock connectors (**Fig.10**).

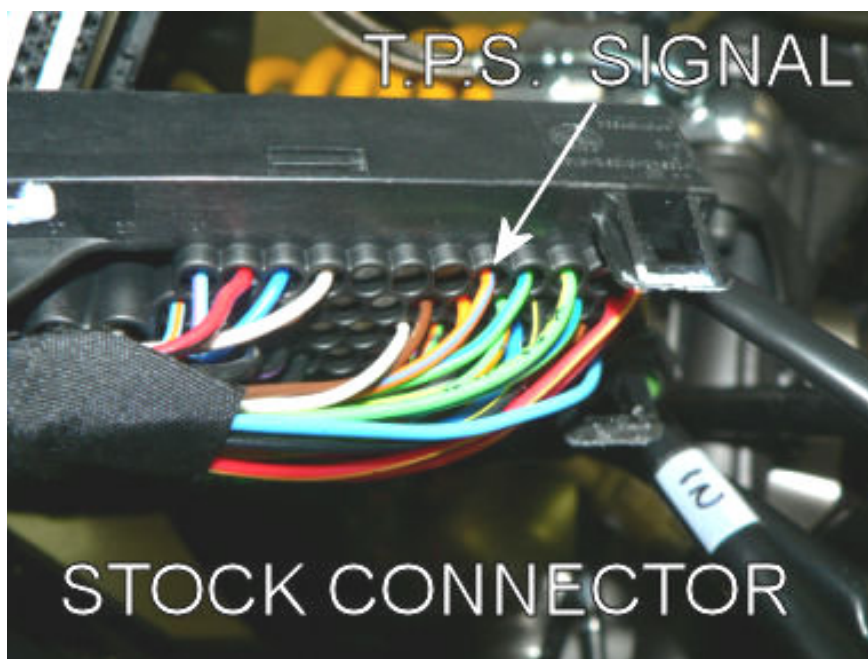
**Fig.10**

T.P.S. section

14. Locate and disconnect the larger ECU connector (**Fig.11**)

**Fig.11**

15. Carefully remove the connector's back cover to expose the wires behind it and locate the orange/blue wire in the pin n°48 (fifth pin of the upper row counting from right to left) (**Fig.12**).

**Fig.12**

16. Connect the green wire of the Rapid Bike wiring harness to the orange/blue wire using the provided posi-tap connector, reinstall the back cover and reconnect the ECU connector (**Fig.13**).

**Fig.13**

Feeding voltage section

17. Locate and disconnect the black 2 pin connector of the rear brake light switch, placed behind the right rearset (**Fig.14**).

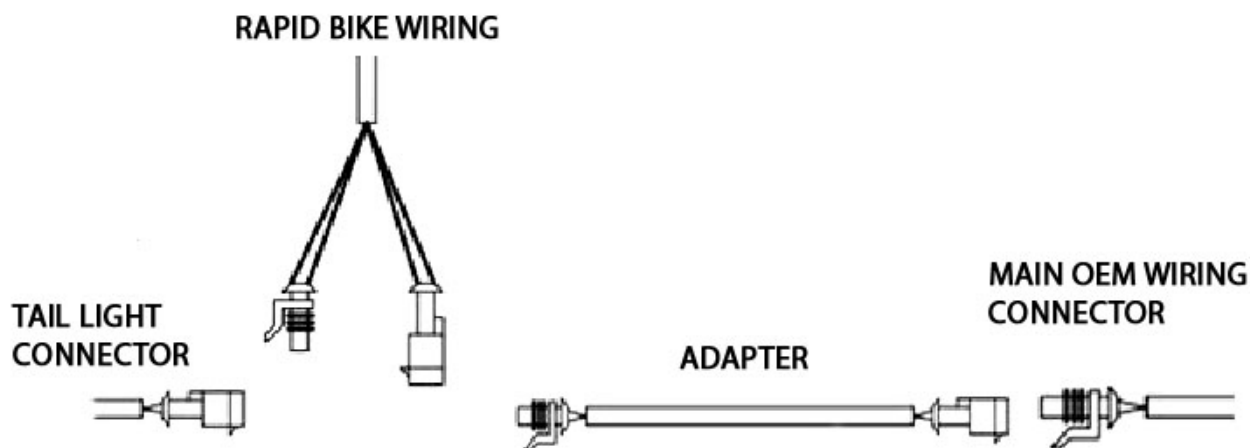
**Fig.14**

18. Connect the Rapid Bike connectors in-line of the stock connectors (**Fig.15**).



Fig.15

ATTENTION: On some bike the polarity of this connector is reversed compared to the Rapid Bike connectors. In this case install the little wiring adapter between the Rapid Bike wiring and the stock wiring (not on the rear light side).



19. Connect the eyelet of the Rapid Bike wiring harness to the negative side of the battery (**Fig.16**).

**Fig.16**

Final section

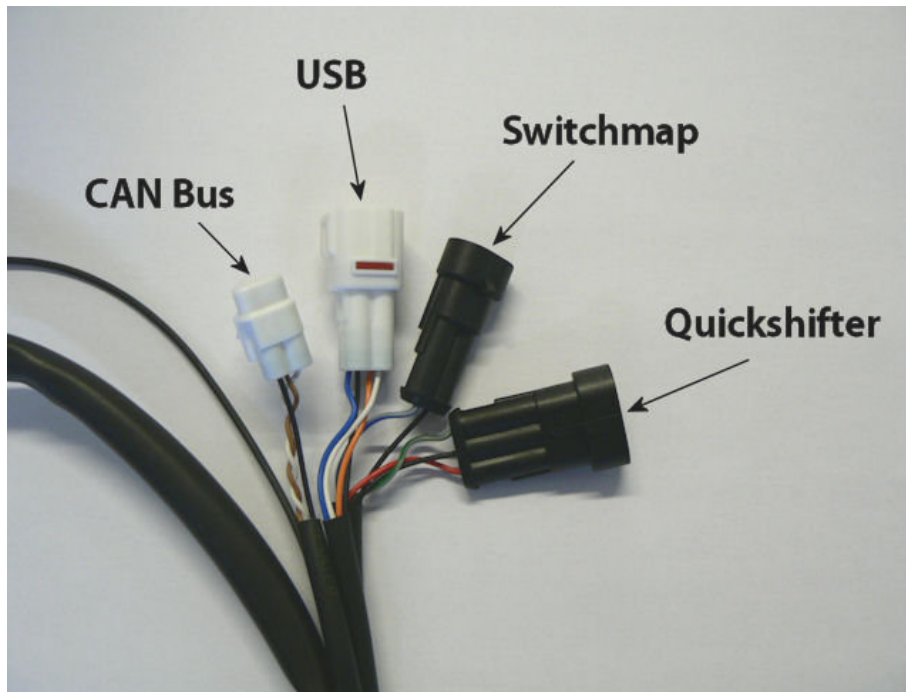
- 20. Check the correct connection of all connectors.
- 21. Connect the Rapid Bike module to the wiring harness.
- 22. Place the module on top of the ECU (**Fig.17**) :
- 23. Place back the fuel tank, the cover, the rear shock reservoir and the seat.

**Fig.17**

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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