

RAPID
BIKERACING

RAPID
BIKEEVO

KTM 125 Duke / RC 21->23
KTM 390 Duke / RC / Adventure 17->23
Husqvarna Svartpilen 125-401 21->23

TPS:

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 ignition off.
2. Remove the seat and the fuel tank.

Injection section

3. Locate and disconnect the grey 2 pin connector placed under the fuel tank (**Fig.1**).



Fig.1

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

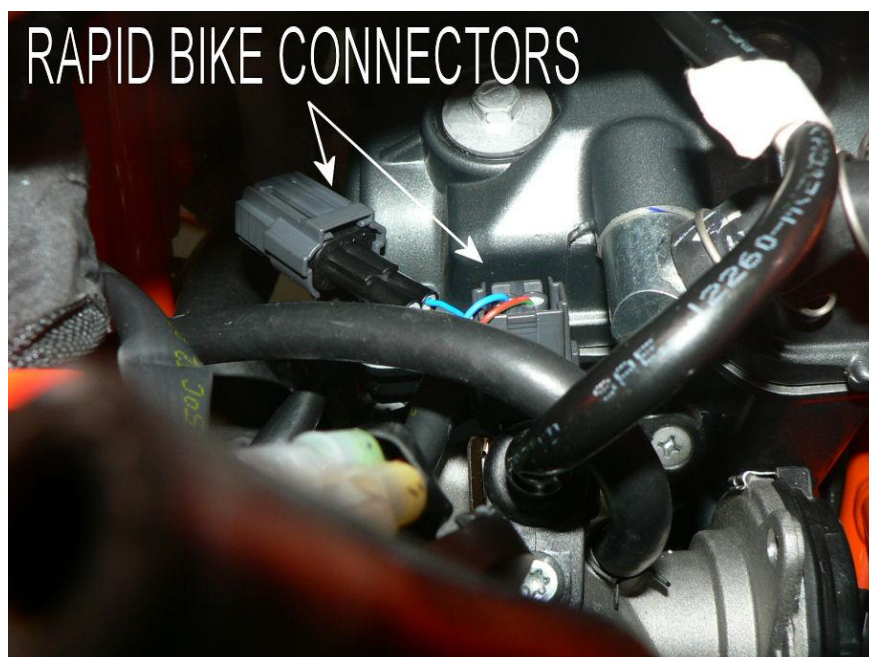
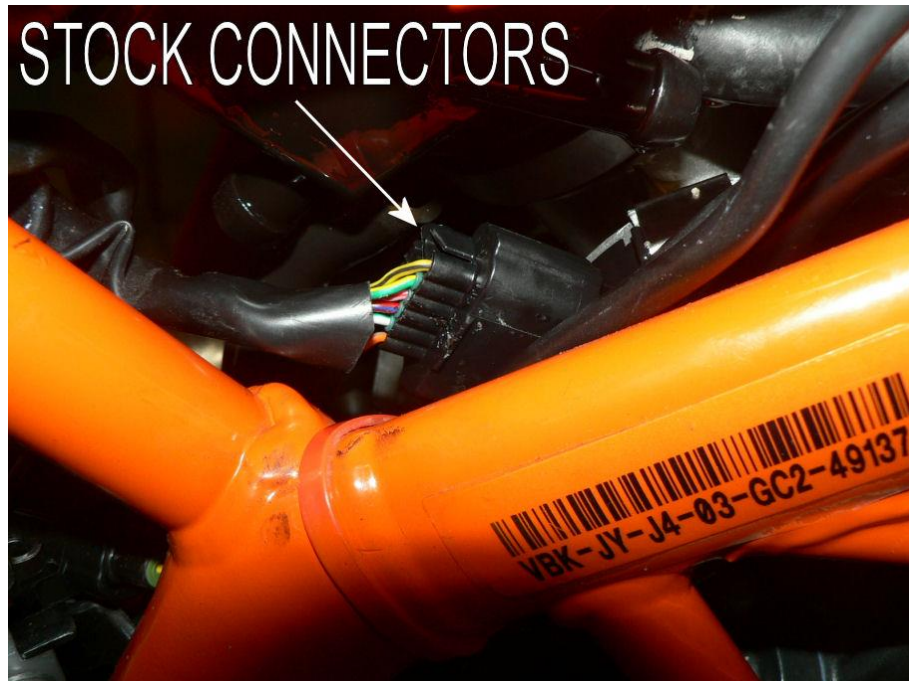


Fig.2

5. Locate the black 6 pin connector placed under the fuel tank on the right hand side of the bike (**Fig.3**). *please see note under the image of the accessories section

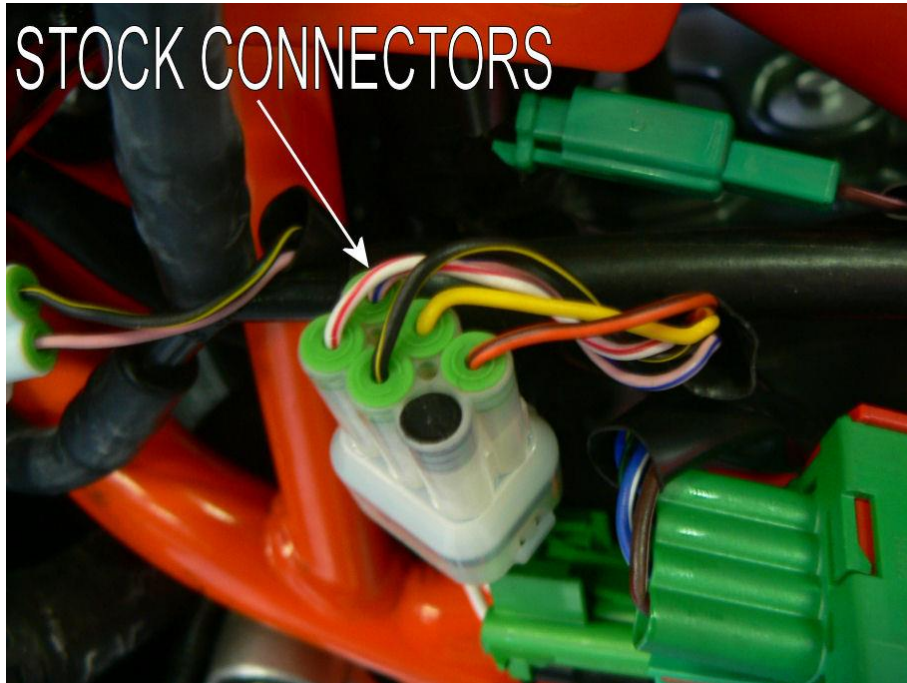
**Fig.3**

6. Connect the green wire of the Rapid Bike wiring to the green/yellow striped wire of the stock connector (**Fig.4**).

**Fig.4**

Crankshaft sensor section

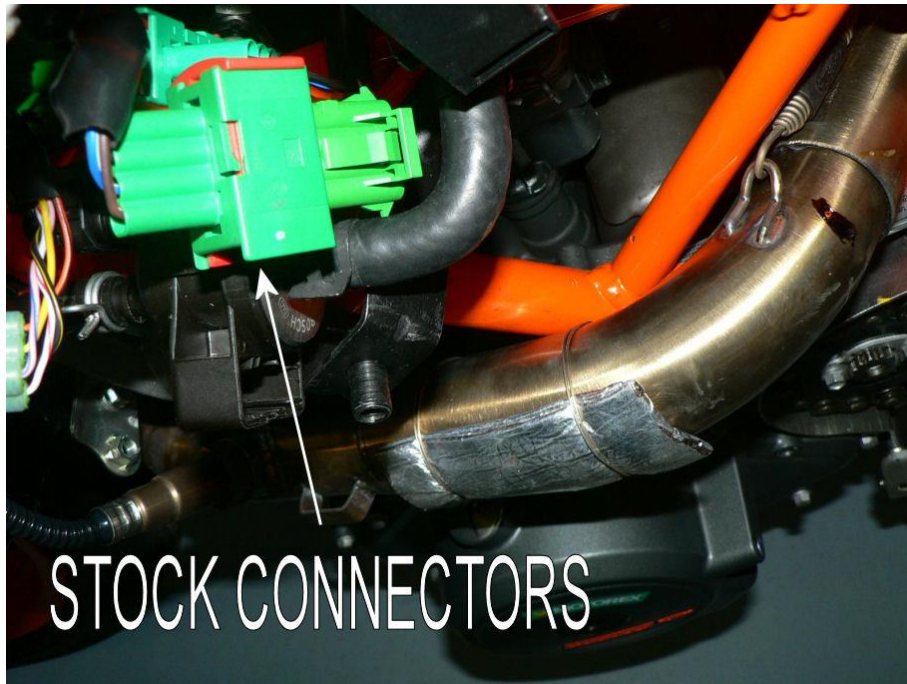
7. Locate and disconnect the white 6 pin connector placed on the left hand side (**Fig.5**).

**Fig.5**

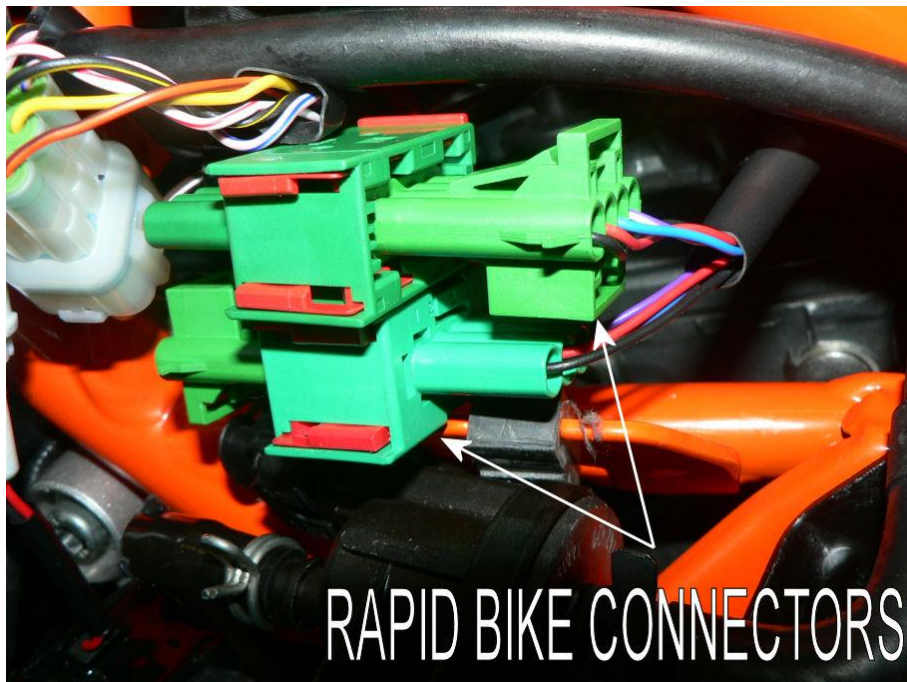
8. Connect the Rapid Bike connectors in-line of the stock connectors (**Fig.6**).

**Fig.6**

9. Locate and disconnect the green 4 pin connector placed behind the left fairing on **MY17-19 (Fig.7)** and behind the voltage regulator, near engine's head, on the right side on **MY20**.

**Fig.7**

10. Connect the Rapid Bike connectors in-line of the stock wiring harness (**Fig.8**).

**Fig.8**

Feeding voltage section

11. Locate and disconnect the white 2 pin connector, coming from the oil pump for the rear brake pedal and placed on:

(MY17-19 and 21-23) the right-hand side under the fuel tank (**Fig.9**)

(MY20) the right side, behind the voltage regulator, near engine's head.

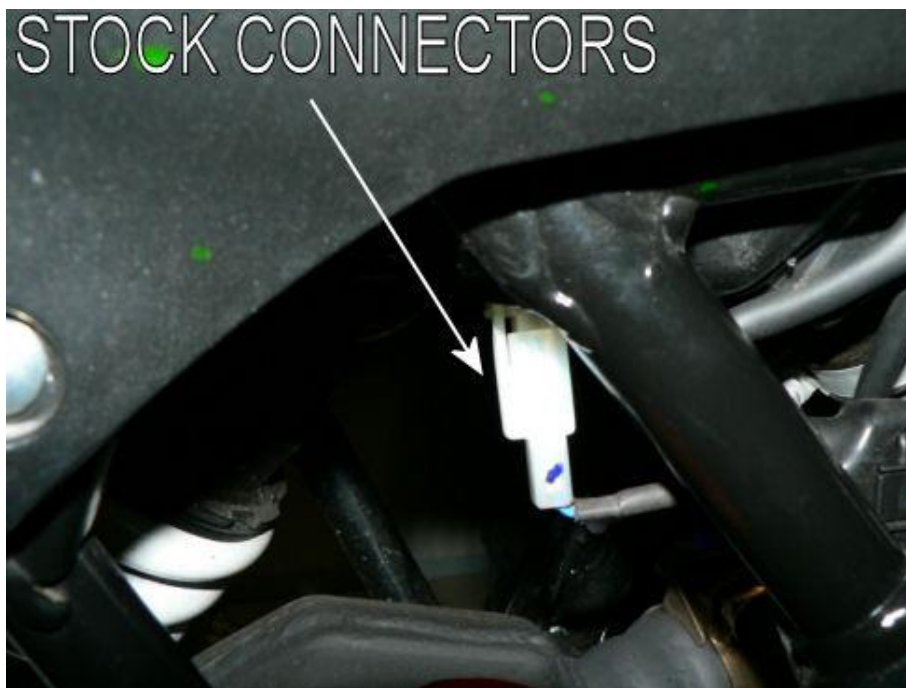


Fig.9

12. Connect the Rapid Bike connectors in-line of the stock wiring harness (**Fig.10**).



Fig.10

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



Fig.11

Final section

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

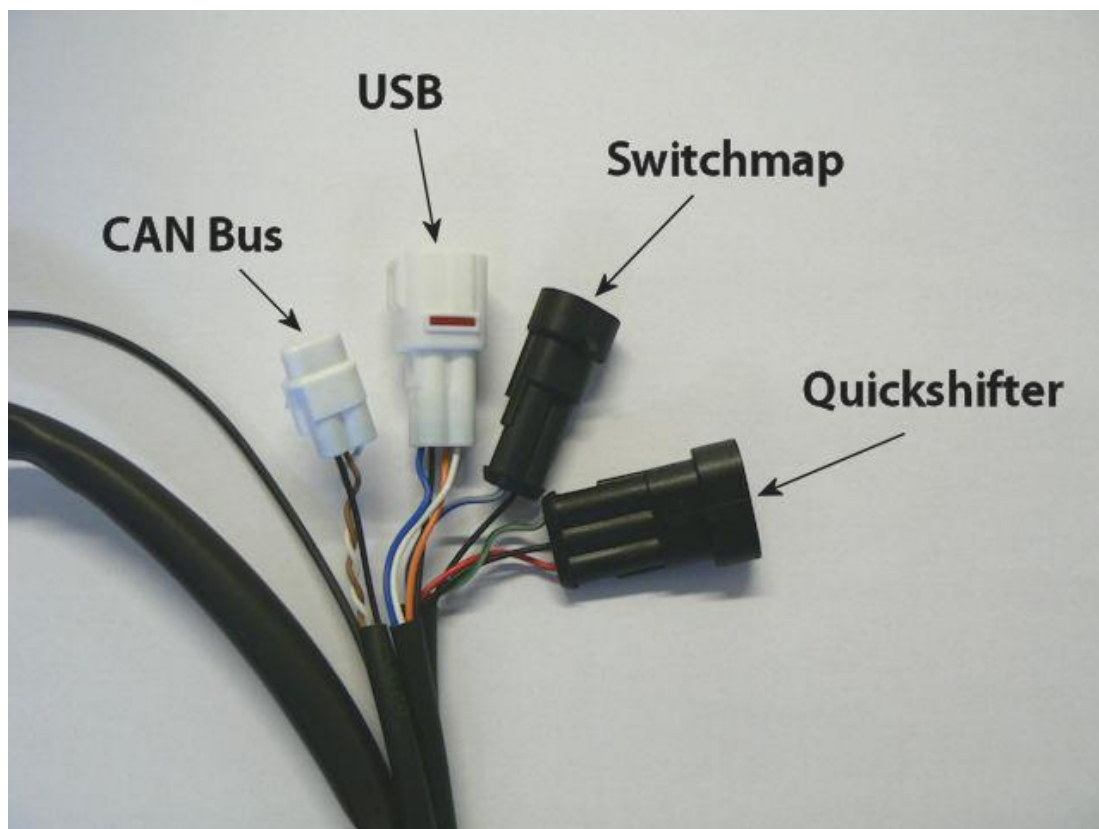
TPS:



Fig.12

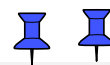
The Rapid Bike wiring has four other connections for the accessories:

- Connection for the quickshifter sensor (black 3 pin)
- Connection for the handlebar switchmap (black 2 pin)
- Connection for the CAN Bus interface (white 3 pin)
- Connection for the USB interface (white 4 pin)



TPS: Connector located on the side of the throttle body and notoriously difficult to access. Required wire can be checked with a multimeter for better discovery and must be a variable 0-5v signal. Typically the second pin on the connector. Ensure the RB is reading this variable signal in the software. Click for image:

Wire color may not necessarily match.



Dimsport Srl

Zona Industriale Madonnina - Loc. San Iorio, 8 B
15020 SERRALUNGA DI CREA (AL) - ITALY
T (+39) 0142.9552 F (+39) 0142.940094

E-mail (comm.dep.): info@dimsport.it

E-mail (tech.dep.): support.rapidbike@dimsport.it