

RAPID
BIKERACING

RAPID
BIKEEVO

BMW S 1000 RR 09-18

BMW S 1000 R 14-20

BMW S 1000 XR 15-19

BMW HP4 12-14

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 saddles.
3. Loosen and lift the fuel tank.

Lower injectors section

4. Locate and disconnect the four 2 pin black connectors of the lower injectors behind the cylinders (Fig.1)

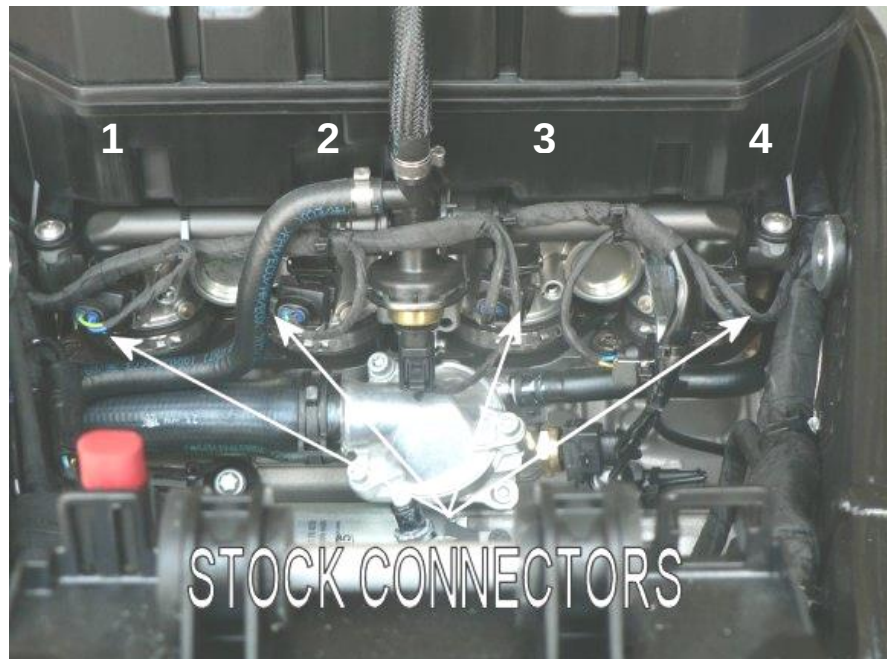


Fig.1

5. Plug the Rapid Bike connectors in-line of the stock injectors and stock wiring harness (Fig.2).

Follow 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

Upper injectors section

6. Locate and disconnect the four two way connectors of the upper injectors, placed on top of the air-box (Fig.3).

**Fig.3**

7. Connect the Rapid Bike connectors to the stock ones (Fig.4), following this order:

blue/black wire – Injector 5 (first injector on the left)
yellow/black wire – Injector 6
grey/black wire – Injector 7
pink/black wire – Injector 8 (last injector on the right)

**Fig.4**

Crankshaft sensor section

8. Locate and disconnect the 2 pin black connector (Fig.5) located under the fuel tank.



Fig.5

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



Fig.6

T.P.S. section

10. Locate the 6 pin grey connector (Fig.7).



Fig.7

11. Connect the green wire coming from the Rapid Bike harness to the wire market with the number 2 on the T.P.S. connector.

O2 sensor section

12. Locate and disconnect the two 4 pin black connectors on the right and left side of the bike (Fig.9-10).

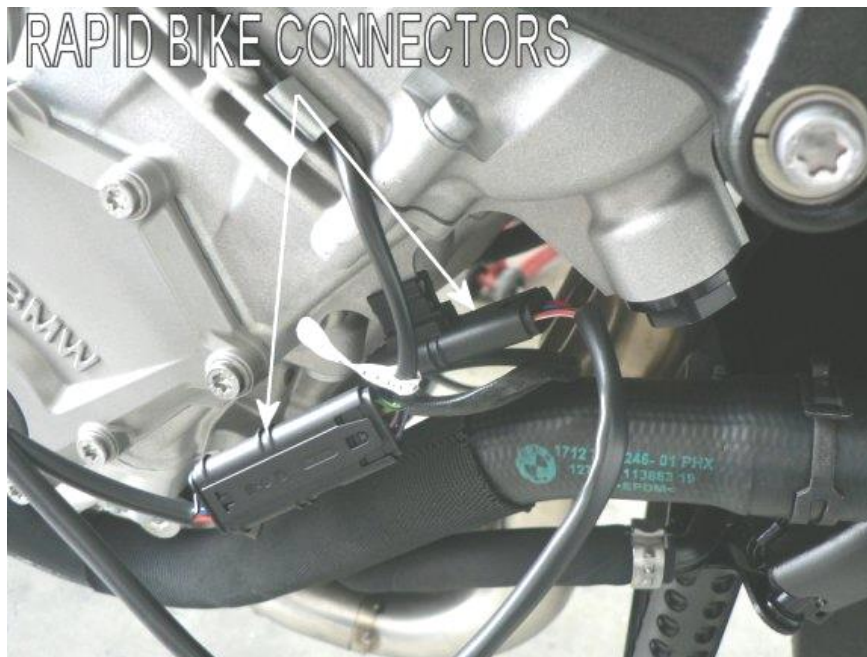


Fig.9

**Fig.10**

13. Connect the Rapid Bike connectors in-line with the stock wiring (Fig.11-12).

**Fig.11**

**Fig.12**

Gear position sensor section

14. Locate and disconnect the 3 pin black connector on the left side (Fig.13).

**Fig.13**

15. Connect the Rapid Bike connectors in-line with the stock connectors (Fig.14).

**Fig.14**

16. On the older version of this wiring you may find a white/green wire instead of those connectors. This wire must be connected to the wire in central position on the stock connector (male or female it's the same).

Feeding voltage section

17. Connect the eyelet of the Rapid Bike wiring to the negative pole of the battery (Fig.15).

**Fig.15**

Final section

18. Connect the Rapid Bike module to the wiring.
19. Check the correct connection of all connectors.
20. Place the Rapid Bike module in the glove compartment.
21. Place back the fuel tank and the seats.

Troubleshooting

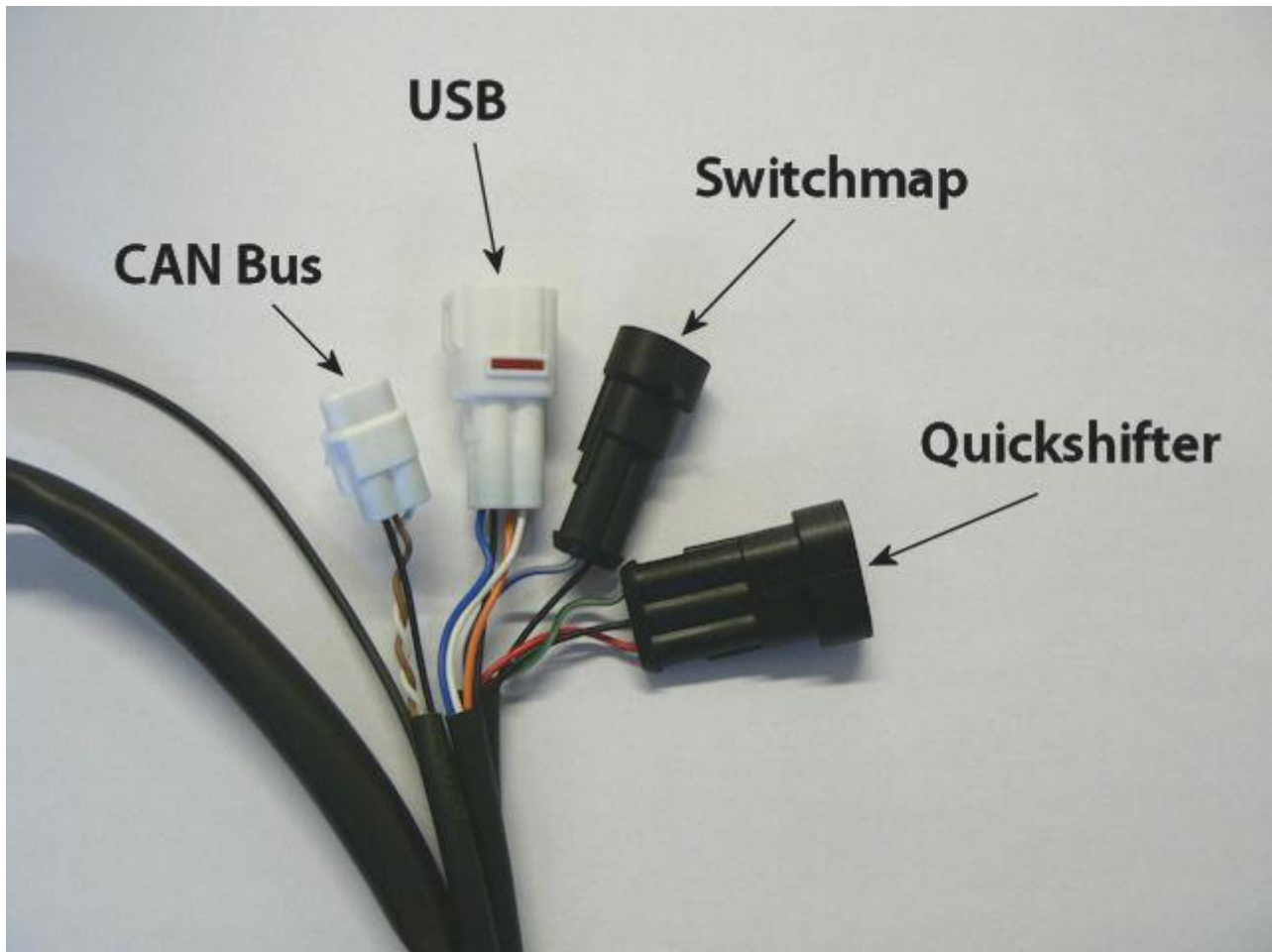
A problem of power loss at high rpm can occur on some models using RapidBike Racing module. To fix the problem connect the module to Rapid Bike Master software, go in the "RB Feature" form, select "Pick-up signal" and then set the value "Tolerance" to +1 (by default is 0).



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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