

RAPID
BIKERACING

RAPID
BIKEEVO

Aprilia RSV4 R / Factory 09-14
Aprilia RSV4 RR / RF 15-16

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 seats, the fuel tank and the air-box.

Lower injectors section

3. Locate and disconnect the stock connectors of the lower injectors, placed under the air-box (Fig.1-2).



Fig.1



Fig.2

4. Connect the Rapid Bike connectors in-line with the stock harness and injectors.
Follow this order (Fig.3-4):

red/green wire – Injector 1 (black rear injector connector)

white/black – Injector 2 (green rear injector connector)

blue wire – Injector 3 (brown front injector connector)

white wire – Injector 4 (grey front injector connector)



Fig.3



Fig.4

Gear position sensor section

WARNING: skip this section for APRC, ABS, RR and RF versions.

5. Locate and disconnect the white three way connector, placed on the left side of the bike near the lower injectors (Fig. 5).



Fig.5

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



Fig.6

Upper injectors section

7. Place back the air-box.
8. Locate and disconnect the stock connectors of the upper injectors, placed on top of the air-box (Fig. 7)

**Fig.7**

9. Connect the Rapid Bike connectors in-line with the stock harness and injectors. Follow this order (Fig.8):

blue/black wire –
Injector 5 (black stock
connector)

yellow/black wire –
Injector 6 (green
stock connector)

grey/black wire –
Injector 7 (brown
stock connector)

pink/black wire -
Injector 8 (grey stock
connector)

**Fig. 8**

Crankshaft sensor section

10. Locate and disconnect the black three way connector placed on the right side of the bike (Fig. 9).

**Fig.9**

11. Connect the Rapid Bike connectors in-line with the stock ones (Fig.10).

**Fig.10**

T.P.S. section

12. On the bigger stock ECU connector locate the yellow wire with black stripe.
Connect the green wire from Rapid Bike wiring to the yellow wire with black stripe using the supplied wire tap (Fig.11).

**Fig.11**

O2 sensor section

13. Locate and disconnect the black four way connector on the left side of the bike under the front sprocket (Fig. 12).

**Fig.12**

14. Connect the Rapid Bike connectors in-line with the stock ones (Fig.13).

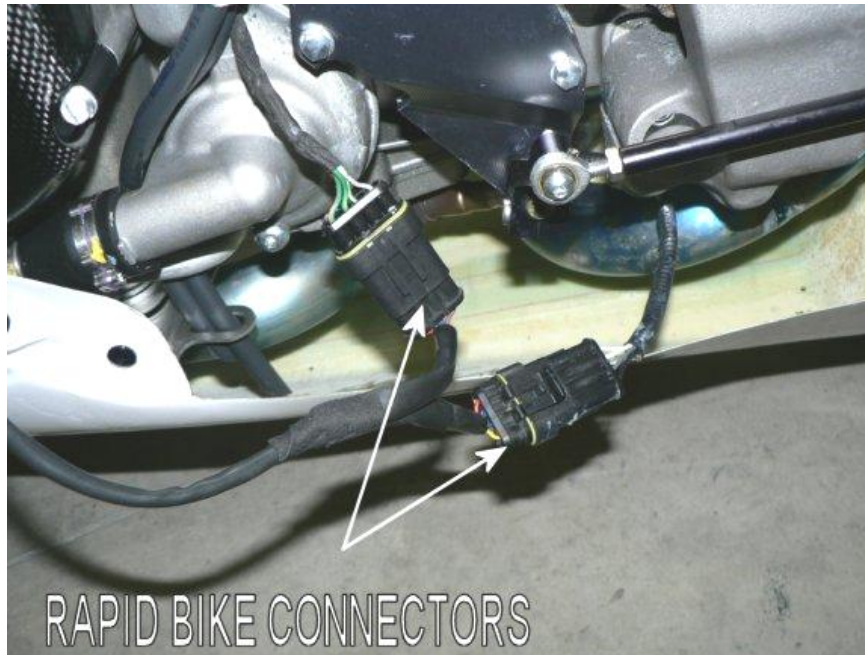


Fig.13

15. **Only for RR/RF models equipped with two O2 sensors:** locate and disconnect the black 4 pin connectors of the second O2 sensor. Connect the adapter provided with the Rapid Bike harness in-line with the stock connectors. Connect the white 3 pin connectors of the adapter to the connectors marked as **GEAR SENSOR** on the Rapid Bike harness.

Feeding voltage section

16. Locate and disconnect the white 2 pin connectors placed on the right side of the bike upon the right pedal (Fig.14). This is the connector of the rear brake light switch.



Fig.14

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



Fig.15

18. Connect the eyelet from the Rapid Bike wiring to the negative pole of the battery (Fig.16).

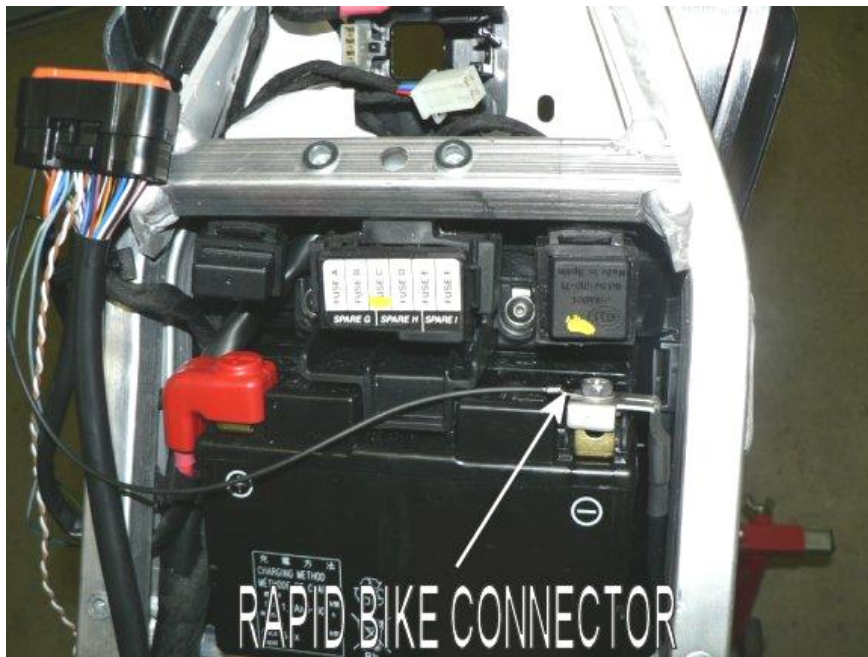


Fig.16

Final section

19. Place the Rapid Bike on the front right side of the bike (Fig.17).

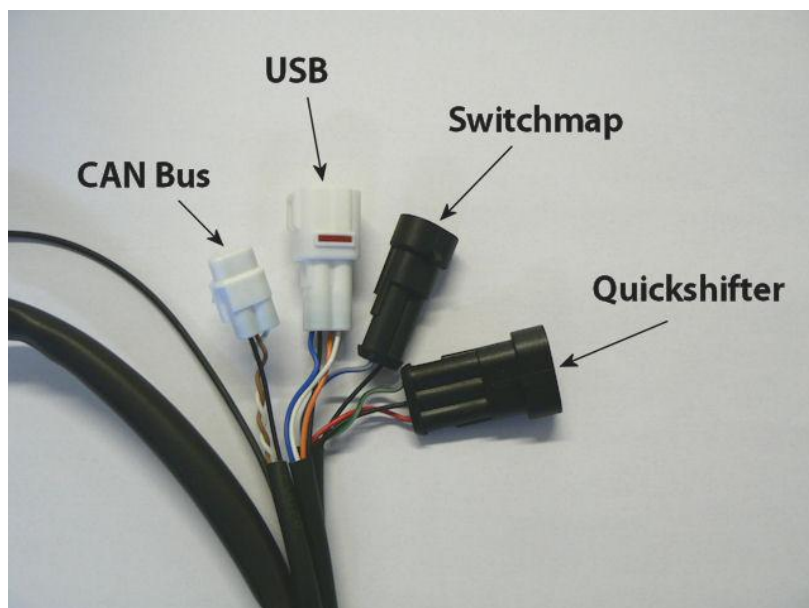


Fig.17

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)



Notes:

WARNING: if Rapid Bike module is installed on a APRC or ABS model, the OEM quickshifter sensor must be connected to the Rapid Bike wiring harness in order to avoid malfunctioning.

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