

ECU
REMAPPING

CARS/TRUCKS/TRACTORS
MODULES

MOTORBIKES
MODULES

POWER TEST
BENCHES



User manual

1 KRB-EVO2-161 / KRB-RAC2-161 , KRB-EVO2-161L / KRB-RAC2-161L

Applicability

Model: Ducati Monster 937 21->

DUCATI DesertX 950cc 22->

Precautions/Disclaimers

For the correct RAPID BIKE module function (later shortened to 'RB'), the motorcycle system must be intact and fully functional. Installation must be carried out by competent personnel and the supply conditions such as "Appendix 1" at the end of this instruction manual, must be read and accepted.



ATTENTION

It is essential that the motorcycle's electrical system is intact, taking care to check the functionality of all its parts (fuses, connectors, etc.).

1.1 Preliminary operations

1. Switch off the engine and remove the key.
2. Remove the seat.
3. Disconnect the negative battery terminal.
4. Remove the front and side fairings, including the fuel tank.

1.2 INJECTION and POWER SUPPLY Section

1. Locate and disconnect the white 3-pin connector under the fuel tank.



2. Disconnect and insert the RB connectors (labeled " INJECTORS ") between the original connectors.



1.3 THROTTLE POSITION SENSOR (TPS) Section

1. Next to the previous one is the white 6 -pin connector.



2. Disconnect and insert the RB connectors (labeled "TPS ") between the original connectors.

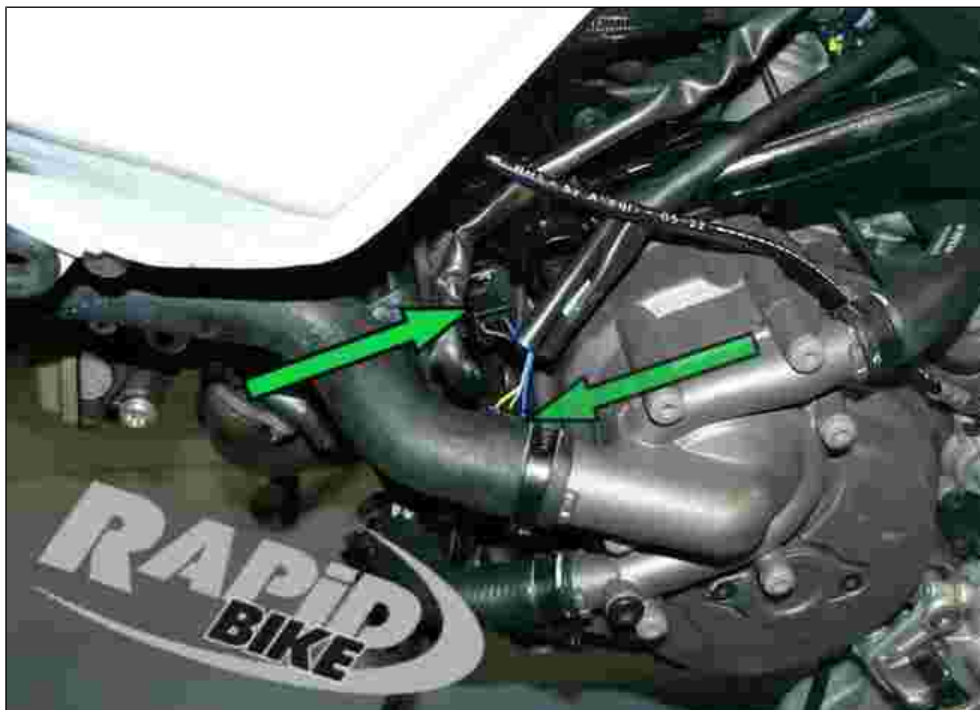


1.4 PICK-UP (CRANKSHAFT sensor) Section

1. Locate the black 3-pin connector on the front left side.

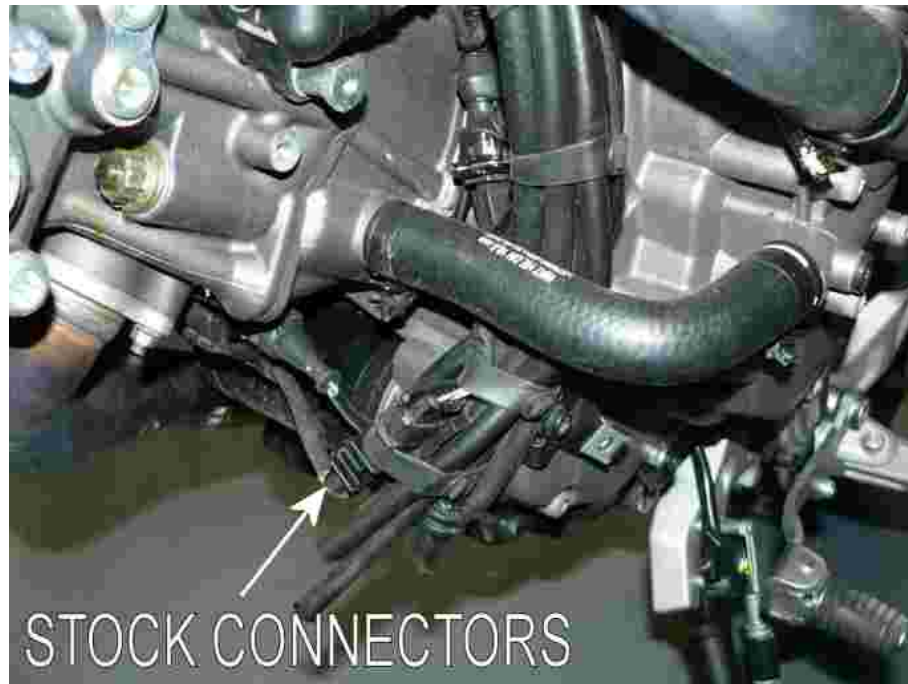


2. Disconnect and insert the RB connectors (labeled "CRANK SENSOR") between the original connectors.

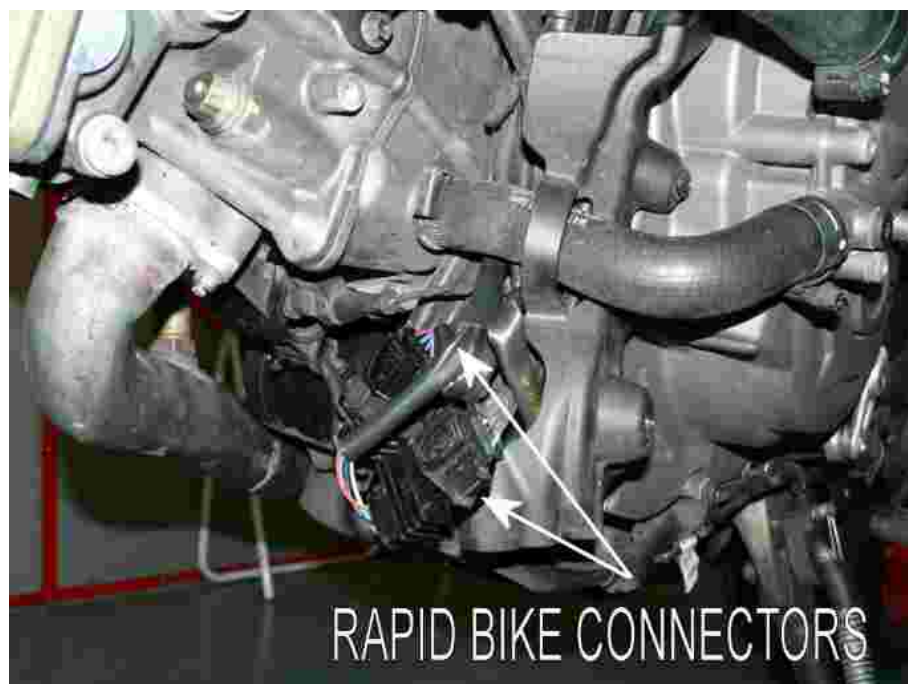


1.5 LAMBDA SENSORS Section

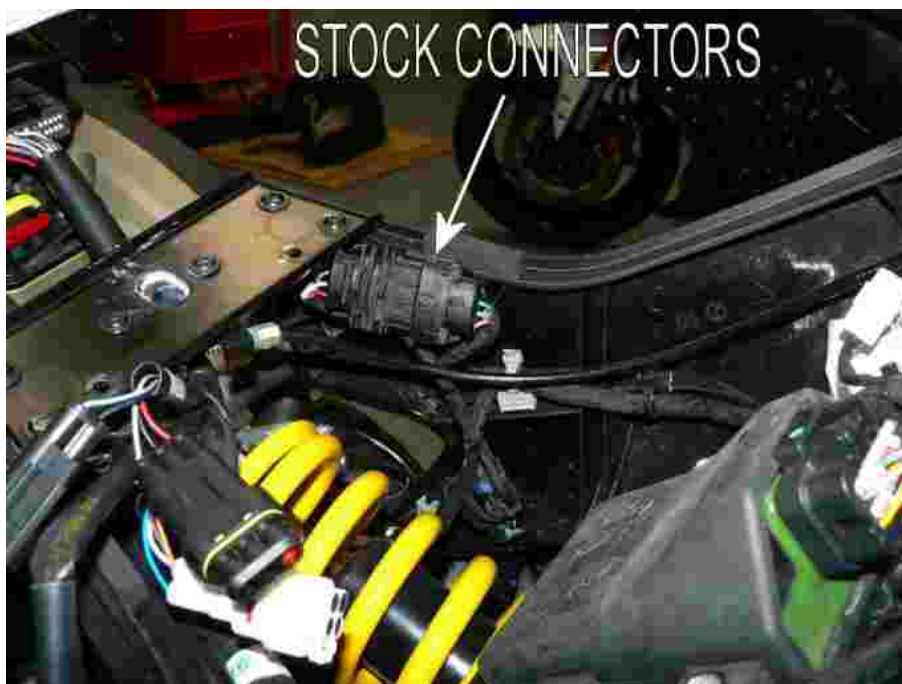
1. Locate the black 4-pin connector for the front cylinder lambda sensor on the front left side.



2. Disconnect and insert the RB connectors (labeled "O2 Sensor 1 ") between the original connectors.



3. Locate the black 4-pin connector for the rear cylinder lambda sensor under the seat on the right side.



4. Disconnect and insert the RB connectors (labeled " O2 Sensor 2 ") between the original connectors.



1.6 DIAGNOSTIC Section

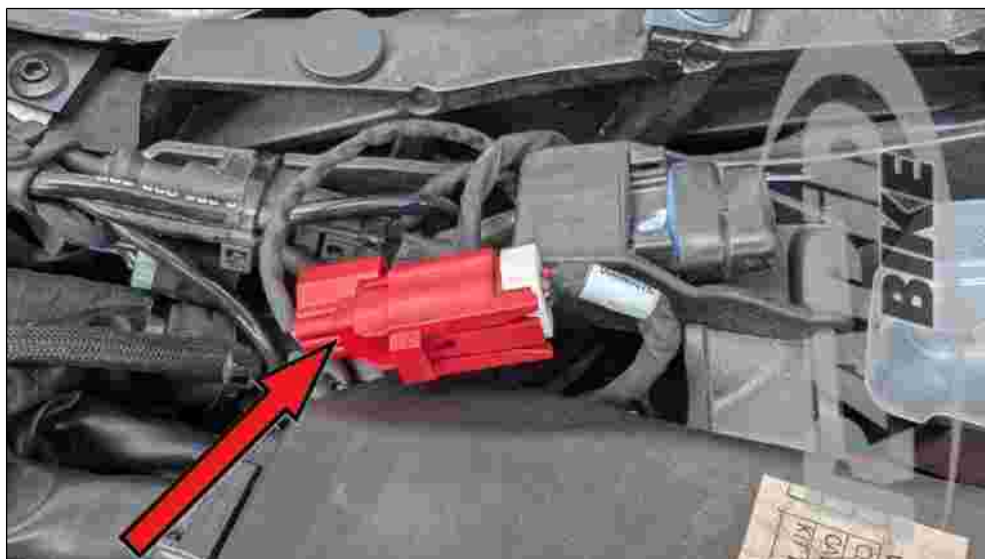
Position: Under seat compartment.

Connector: 6 pins Diagnostic, RED color.



What to do:

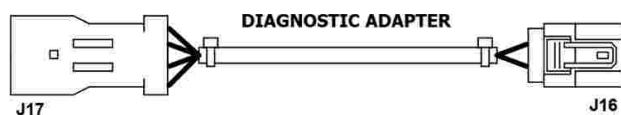
Remove the cap and insert the *RB* connector marked as "**DIAGNOSTIC**"



Diagnostic plug for NON-EU models.

For some motorcycle versions the diagnostic plug has 4 pins and is black/yellow in colour.

In this case, connect the RB connector marked 'DIAGNOSTIC' using the adapter supplied in the kit.



1.7 FINAL OPERATIONS

1. Connect the eyelet from the RB wiring to the negative pole of the battery and restore its connection to the system.



2. Position the control unit under the seat.
3. Connect the wiring to the RB control unit.

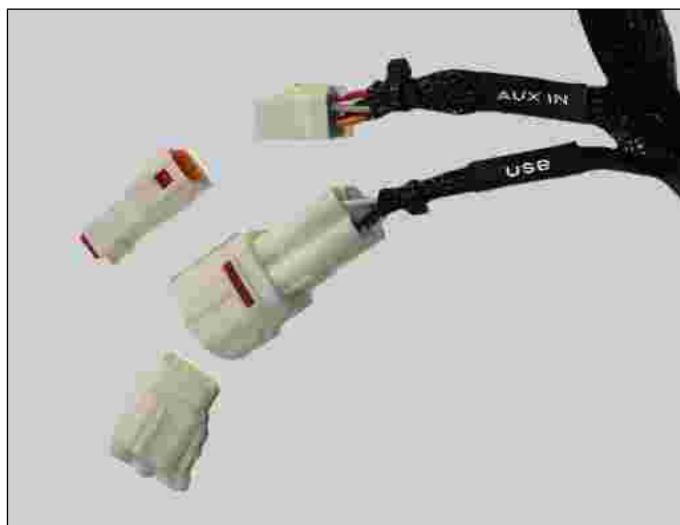


4. Check that all connectors have been connected correctly.
5. Reassemble the tank.
6. Reassemble the fairings and the seat.

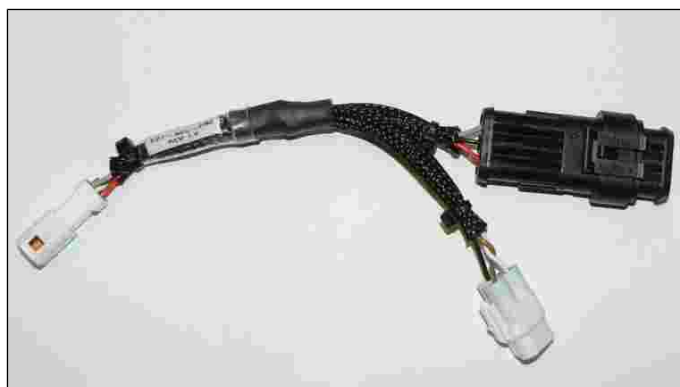
1.8 ACCESSORIES and EXTRAS

This RB harness is designed for the use of any accessories:

- USB connector (4 PIN) for connection to PC.
- AUX IN connector (6 pin)** for Rapid Bike accessories.



(**) To use EVO/RACING (first version) accessories you need the additional adapter F27-ACC-ER2 to convert the 'AUX IN' with 6 pins into CAN (3 pins) + AUX (3 pins).



WARNING

Connectors for unused accessories must be sealed with the provided caps.

1.8.1 Smartphones APP

The Bluetooth interface of the **EVO2/RACING2** control unit also allows the connection and management of some parameters with your smartphone; search the “**Rapid Bike**” app available in the Android® and IOS® store.



For further information see the relevant manual in Italian or English:

[2025_Smartphone_RapidBike-APP_it.pdf](#) , , [2025_Smartphone_RapidBike-APP_en.pdf](#)



WARNING

Use of a smartphone while driving is not permitted; with the APP make changes while stationary with the engine idling; close the APP before leaving.

1.8.2 Online functionalities

Useful links for:

Information: <https://www.dimsport.it/en/rapid-bike/>

Reserved area: <https://reserved.dimsport.com/login.aspx>

Software: <https://www.dimsport.it/en/rapid-bike/rapid-bike-software-master/>

Appendix 1

The User declares, under his own responsibility, that device is realized to be used only for competitive purposes in race track which is not open to the public. It is understood that the infringement of the aforementioned limitation may entail a sanctions infliction.

Without prejudice towards what is set forth in previous paragraph, if vehicle performances or characteristics, as indicated in vehicle registration certificate, were to vary, it is necessary to revise such vehicle registration certificate. Therefore, the User shall bring, under his own responsibility, such operations.

RAPID device allows the User to have access to some engine parameters (for example: turbo/manifold pressure, rail, speed limiter, etc.). Changing such parameters might make the vehicle non in compliance with some power and/or speed and/or emissions standards of Your Country and also might determine a superior wear and tear of mechanical and electrical components of the vehicle, to the point that manufacturer's (or seller's) warranty might be considered void.

Dimsport Srl (except as set forth hereafter) does not grant any warranty and shall never be considered liable for any disruption that may derive from using device, in particular with respect to any extra wear and/or deterioration of the engine or of any other mechanical and/or electrical part of vehicle.

The reading and understanding of device Instructions must forerun the use of device (in all its parts).

If the User is a consumer of the provisions of D.lgs 206/2005 which concern the conformity, warranty of purchased items shall apply (in accordance with such D.lgs 206/2005, a consumer is a person that buy products outside from his business). Therefore, the consumer with no extra expenses, has the right to obtain the conformity restatement of purchased item, by its replacement or reparation. For this purpose, Must be informed about item non-conformity within 2 (two) months from the discovery of such non-conformity. This warranty covers the defects that come within 2 (two) years from the delivery. The normal "wear and tear" shall never be considered non-conformity. This warranty shall never be applied if the consumer alters device and/or if the consumer directly or indirectly repairs it and/or if the non-conformity is due to improper, negligent or imprudent use of device.

If the User is a professional user, Only warrants that device is free from manufacture defects for 2 (two) years from the purchase date, provided that the professional user is able to demonstrate such date by showing proper documentation.

UNDER NO CIRCUMSTANCES SHOULD DEVICE BE USED TO BREAK THE LAW OF THE COUNTRY OF USE OF THE VEHICLE. FAILURE TO COMPLY WITH SUCH PROVISION WOULD DETERMINE THE IMMEDIATE TERMINATION OF THIS AGREEMENT.

Without prejudice to mandatory law provisions, Dimsport srl shall be relieved from any and all contractual and / or extra-contractual liability for personal injury; for direct and / or indirect damage (both with reference to emerging damage and loss of profit); for any claim and / or cost of any kind; which has been suffered by the User or by any third parties and which may derive from the use or misuse and / or may depend and / or in any case may be attributable to device, except in the case that those events may be attributable to

Dimsport srl for wilful misconduct or gross negligence. The foregoing limitations and exclusions shall be applied to the maximum extent permitted by legislation in force in the User's jurisdiction.



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