

ECU
REMAPPING

CARS/TRUCKS/TRACTORS
MODULES

MOTORBIKES
MODULES

POWER TEST
BENCHES



User manual

1 KRBEVO-171 / KRBRAC-171

Applicability

Kawasaki Ninja ZX-6R (636cc) 24→

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

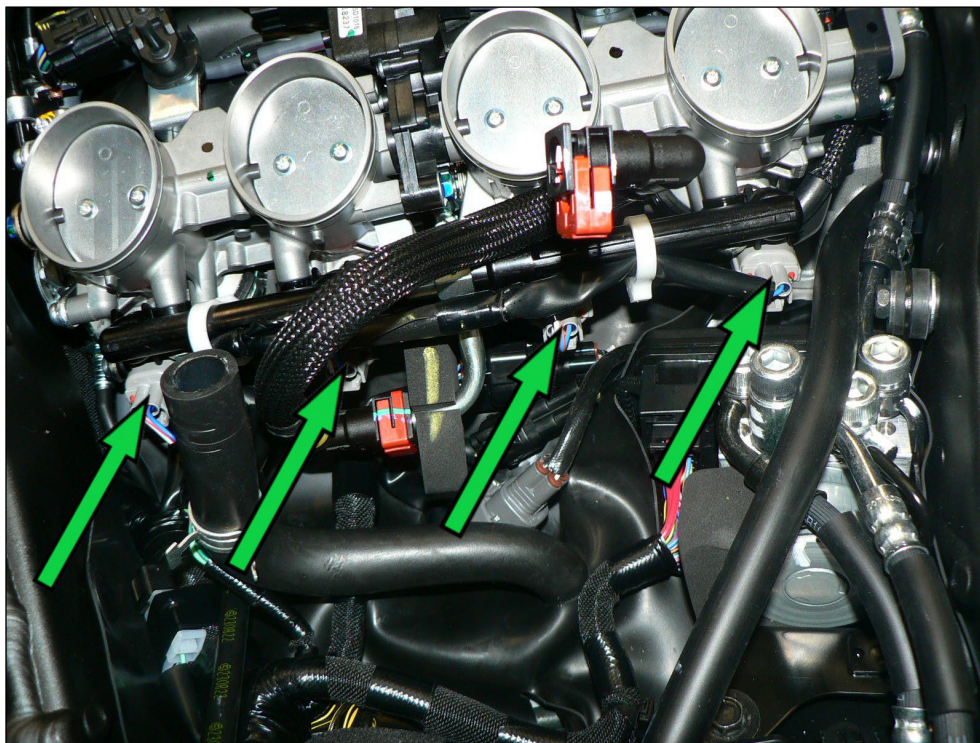
It is essential that the motorcycle's electrical system is intact, taking care to check the functionality of all its parts (fuses, connectors, etc.).

1.1 Preliminary operations

1. Switch off the engine.
2. Remove the seat.
3. Remove the tank and the air box.

1.2 INJECTION Section

1. Locate and disconnect the 4 2-pole gray connectors.



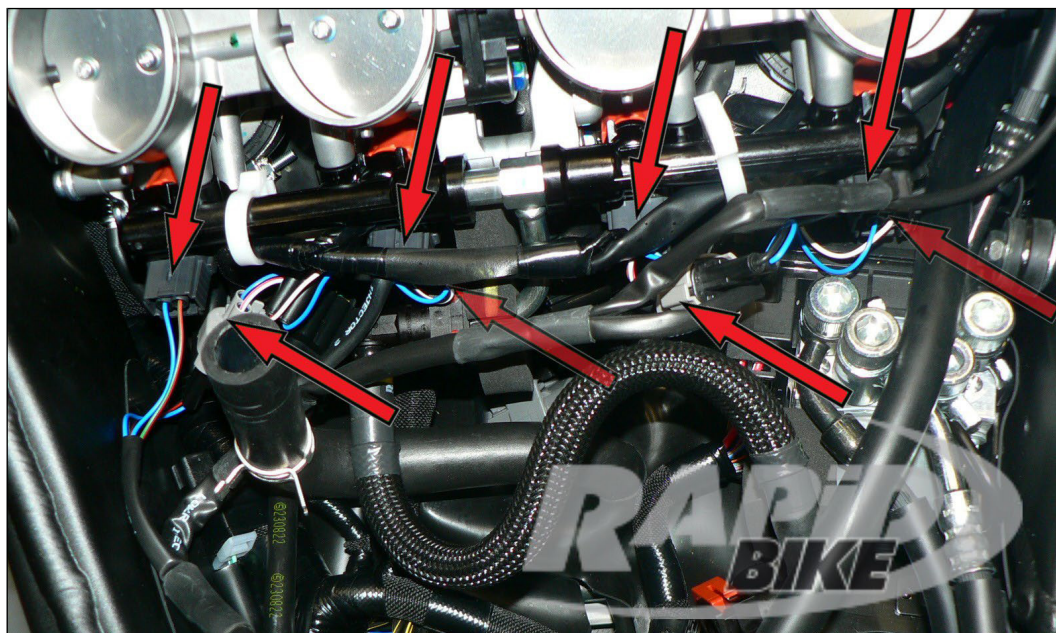
2. Connect the RB connectors to the original wiring.

The order to follow is as follows:

Connector marked **INJECTOR 1** → left cylinder (kickstand side).

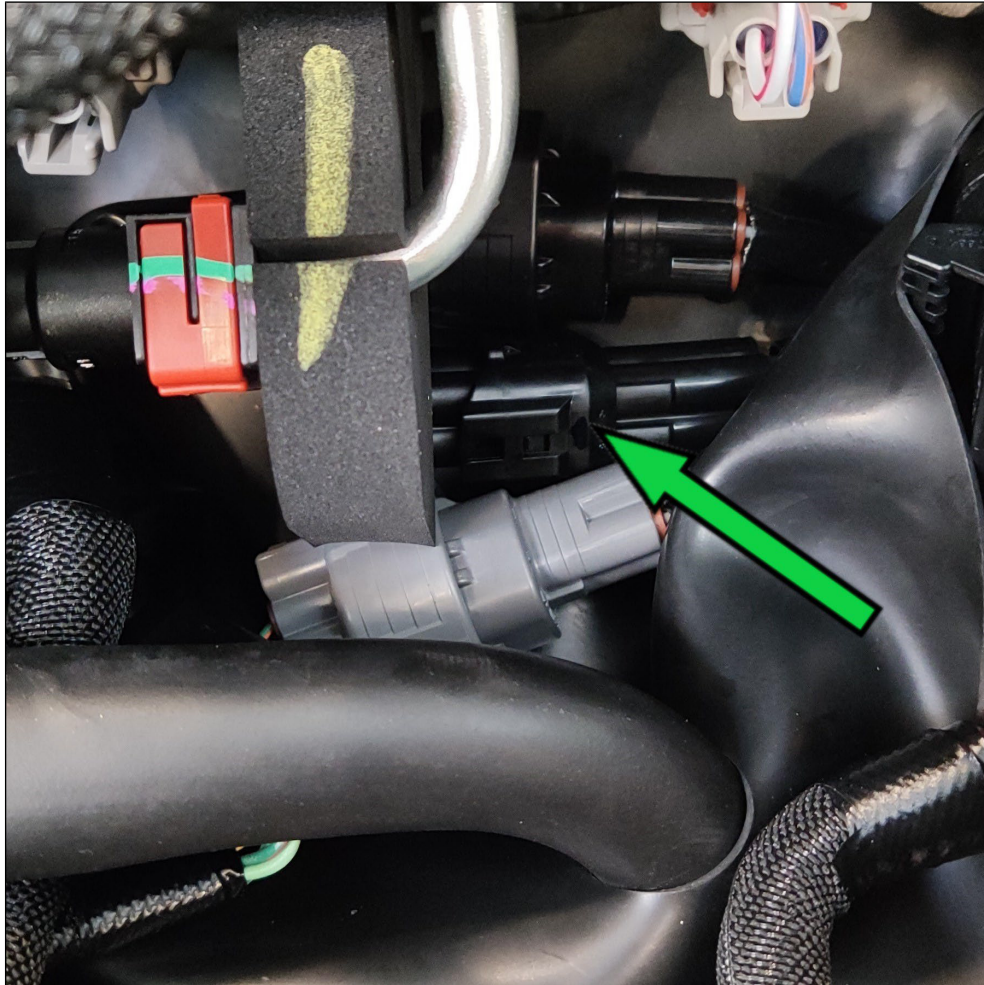
Connectors marked **INJECTOR 2** and **3** → central cylinders.

Connector marked **INJECTOR 4** → right cylinder.



1.3 PICK-UP Section

1. Locate and disconnect the 3-pole black connector in the central part under the tank.



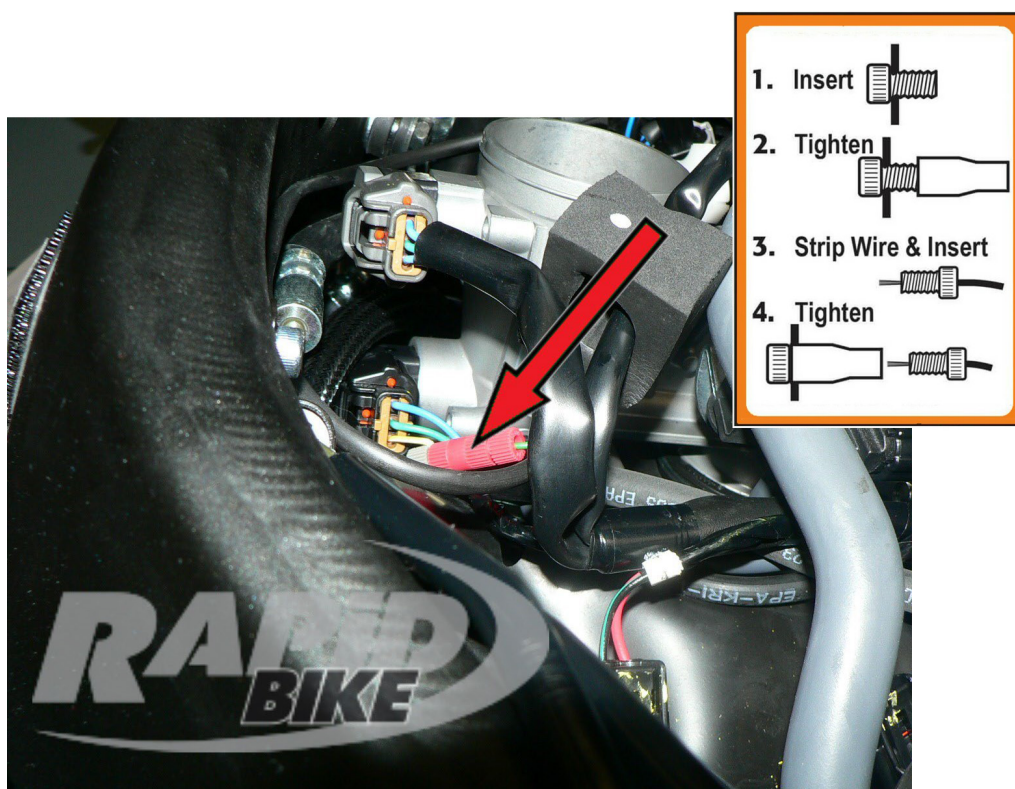
2. Connect the RB connectors (labeled "CRANK SENSOR") to the original wiring.

1.4 POTENTIOMETER Section

1. Locate and disconnect the 3-pole black connector under the air box on the right side of the throttle body.



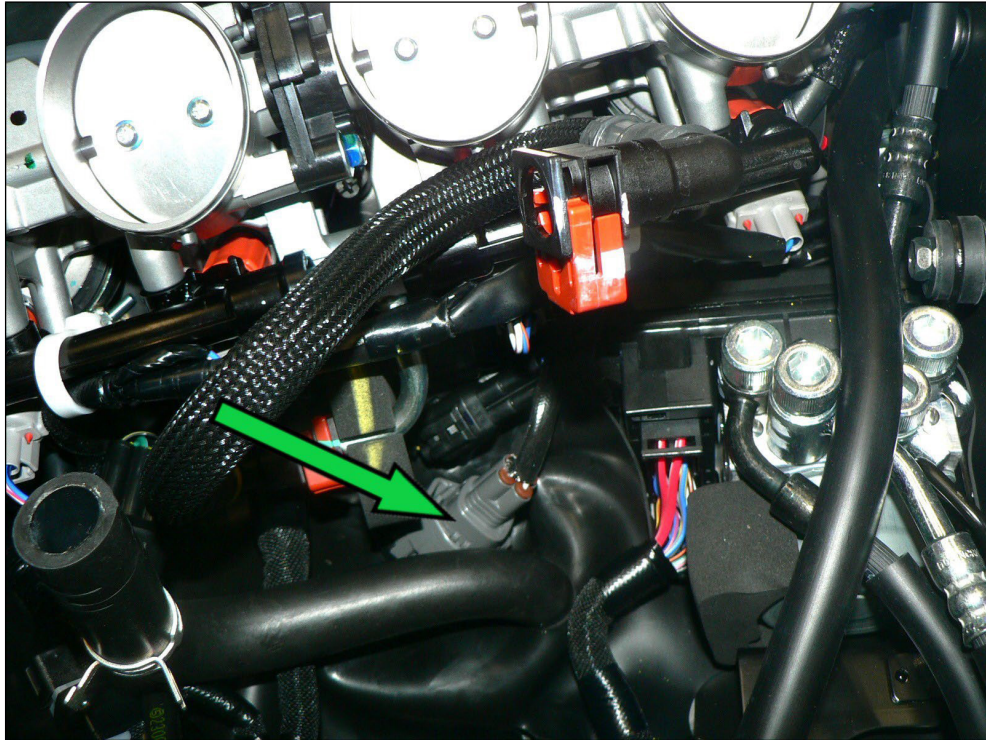
2. Using the wire splice connector, connect the yellow/white wire to the green wire (labeled "TPS") of the RB wiring.



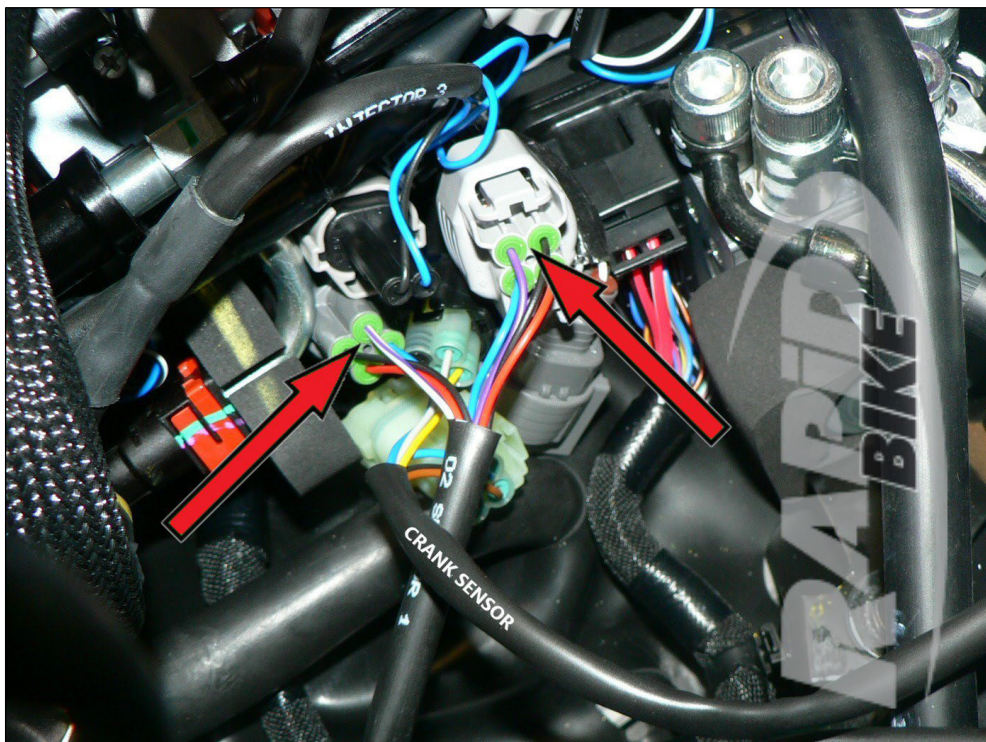
3. Reconnect the previously disconnected connector.

1.5 LAMBDA SENSORS Section

1. Locate the 4-pole black connector under the tank near the third cylinder.

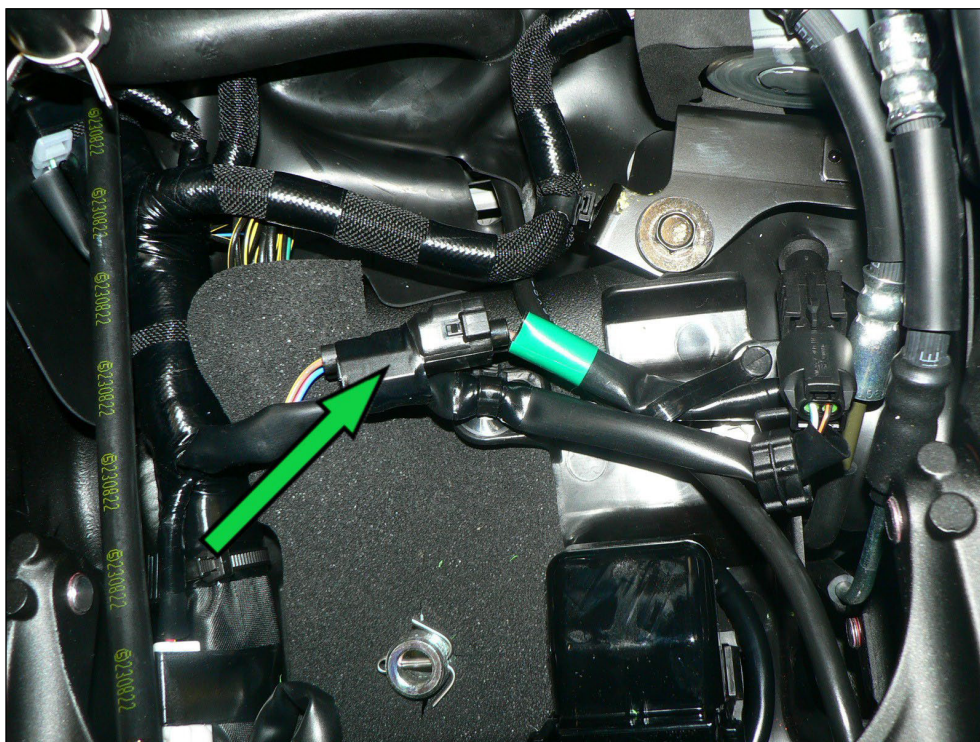


2. Disconnect and insert the RB connectors (labeled " O2 SENSOR ") between the original connectors.

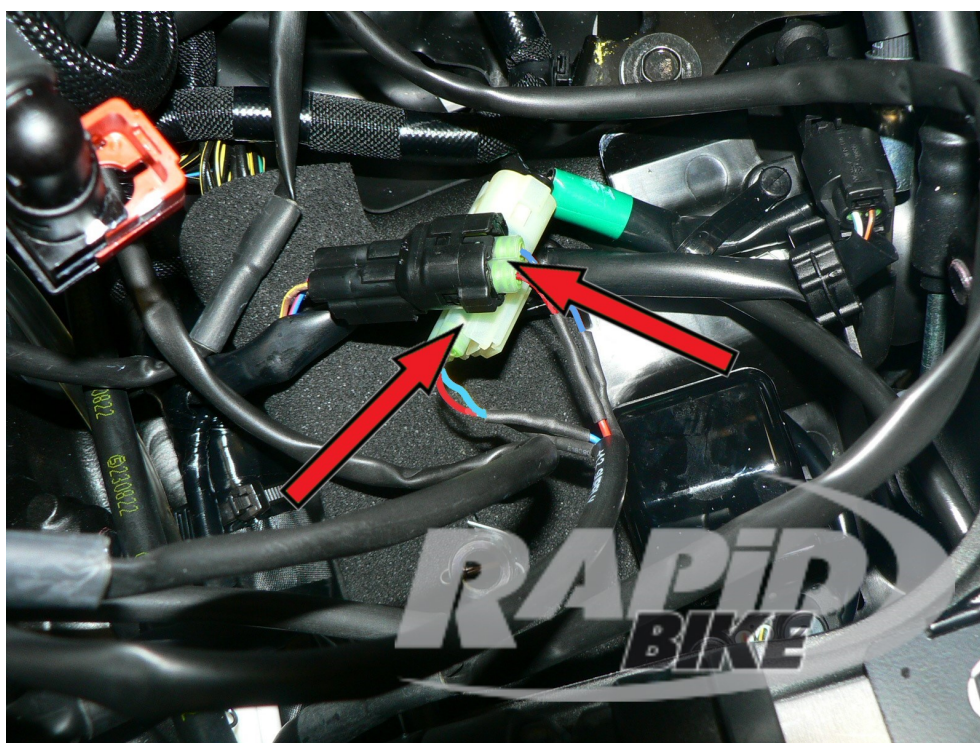


1.6 POWER SUPPLY Section

1. Locate and disconnect the black 2-pole connectors under the tank coming from the rear brake lever switch.



2. Connect the RB 2-pole connectors (labeled "+12 SUPPLY") to the original wiring.



3. Connect the eyelet from the RB wiring to the negative pole of the battery.



1.7 FINAL OPERATIONS

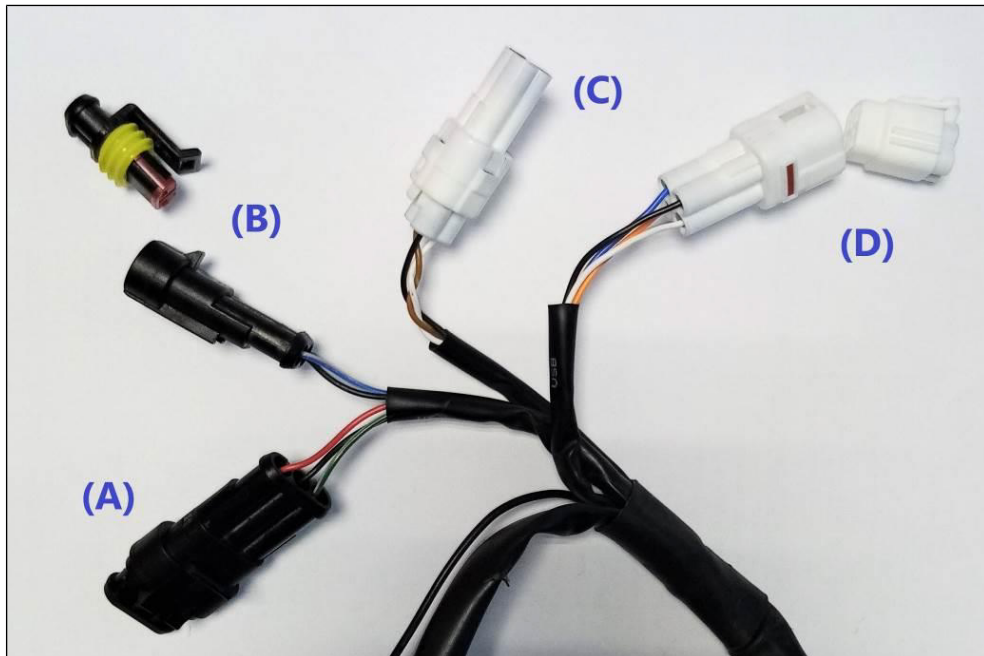
1. Connect the wiring to the RB control unit.
2. Check that all connectors have been connected correctly.
3. Position the control unit under the seat.
4. Reposition the air box and the fuel tank.
5. Reposition all other removed parts and the seat.



1.8 Accessories and Extras

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

- A. Connection (aux. 3 PIN) for powering and using optional accessories such as QS/Blipper electronic shifter, Pit-Lane limiter, and You_Tune.
- B. Connection for the use of the map selector (aux.black 2-PIN).
- C. CAN line connection (3 PIN) for communication with optional modules.
- D. USB connection (4 PIN) for PC or Bluetooth module.



ATTENTION

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

1.9 Online functionalities

Useful links for:

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

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

Online help: <https://reserved.dimsport.com/kb/Filemanager.aspx?id=1032>

Appendix 1

The User declares, under his own responsibility, that RAPID 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 pression, 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 RAPID 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 RAPID device Instructions must forerun the use of RAPID 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, Dimsport 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 RAPID 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 RAPID device.

If the User is a professional user, Dimsport only warrants that RAPID 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 RAPID 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 RAPID device, except in the case that those events may be attributable to Dimsport 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.



Località San Iorio 8/B 15020
Serralunga di Crea (AL) - Italia
Ph +39 0142 9552 Fax +39 0142 940094
Mail: support.rapidbike@dimsport.it
www.dimsport.it/it/rapid-bike/