

RACING FANTIC KIT INSTALLATION 09932005

RALLY - Edition 00 / 2023

⚠ This kit allows to configure the vehicle in “RACING” version. By making the following changes, the vehicle will no longer comply with the Highway Code; therefore it must be used exclusively in racetracks or areas closed to traffic.

i After the above mentioned kit has been installed, the vehicle warranty will last for 3 months.

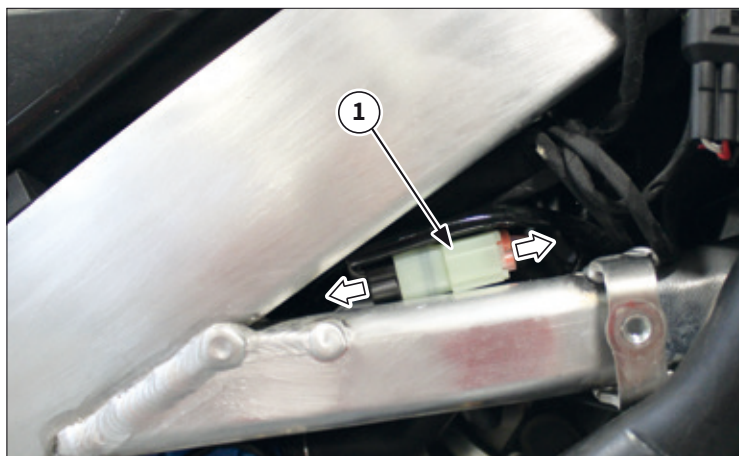
**CHAIN ADJUSTMENT PLATE**

- Remove the rear wheel axle nut, its washer “1” and the lock block “2” from the vehicle

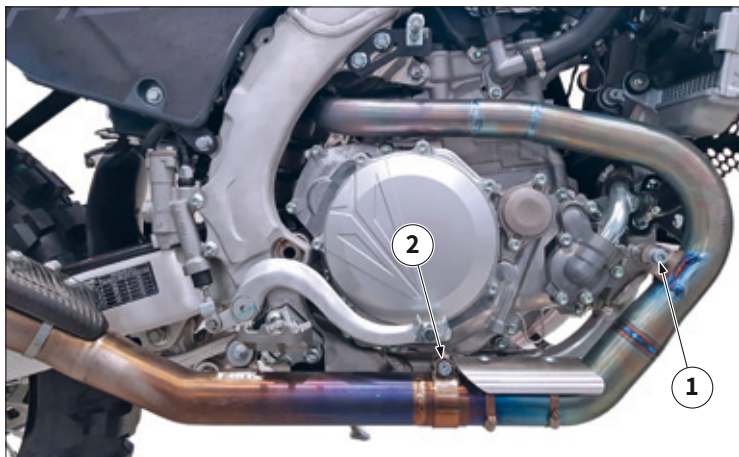


- Install the chain tensioner plate “1”, the washer “2” and the wheel axle nut provided in the kit.

🔧 **Tightening torque:**
Wheel axle nut: 125 Nm (12.5 m•kg, 90 ft•lb)

**EXHAUST**

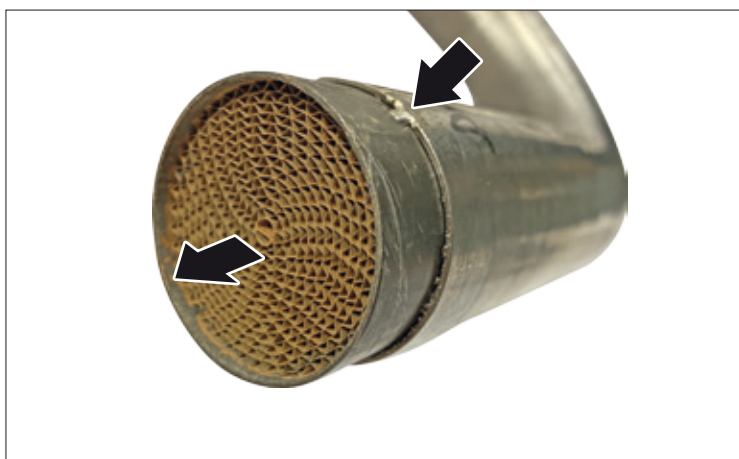
- Remove the seat, the right fuel tank and the left fuel tank from the vehicle.
- Disconnect the oxygen sensor connector “1” located on the right side of the vehicle, then remove the wiring operating on the left side of the vehicle.

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- Remove the left heat shield.
- Remove the right side panel.
- Remove the engine guard.
- Remove the exhaust pipe fixing screws "1" and "2".



- Remove the screw "3" fastening the silencer to the frame.



- Remove, using an angle grinder, the welding points that fasten the catalyst to the intermediate exhaust pipe, at the junction point with the silencer. Then remove the catalyst from the exhaust.



- Remove, using an angle grinder, the welding points that fasten the Db-Killer fixing screw "1" to the silencer.

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- Remove the Db-Killer from the silencer.

**OXYGEN SENSOR**

- Remove the seat, the right fuel tank and the left fuel tank from the vehicle.
- Disconnect the oxygen sensor connector located on the right side of the vehicle, then remove the wiring operating on the left side of the vehicle. Cover the vehicle's wiring connector with electrical tape to prevent water and dirt from entering.

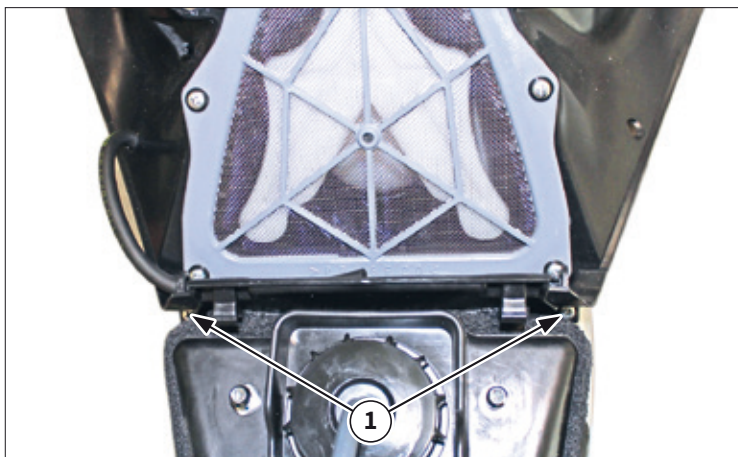


- Unscrew the oxygen sensor from the exhaust manifold and store it in a suitable place so that it can be reinstalled if you wish to return the vehicle to the approved version.



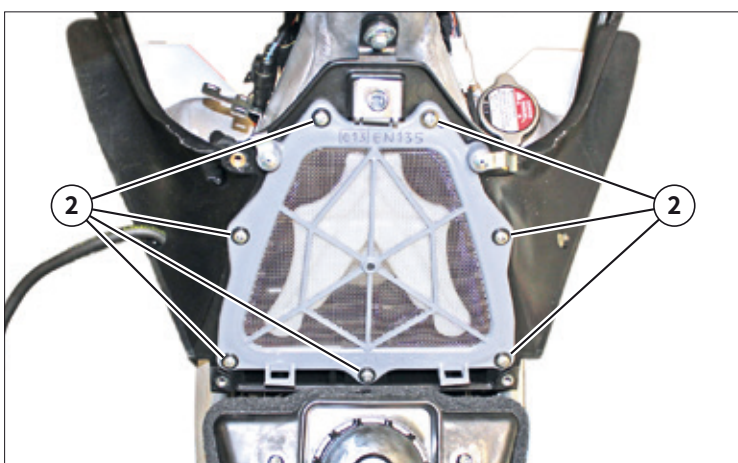
- Install the cap, supplied in the kit, into the oxygen sensor housing on the exhaust manifold.
- Reinstall the left and right fuel tank and the seat on the vehicle.

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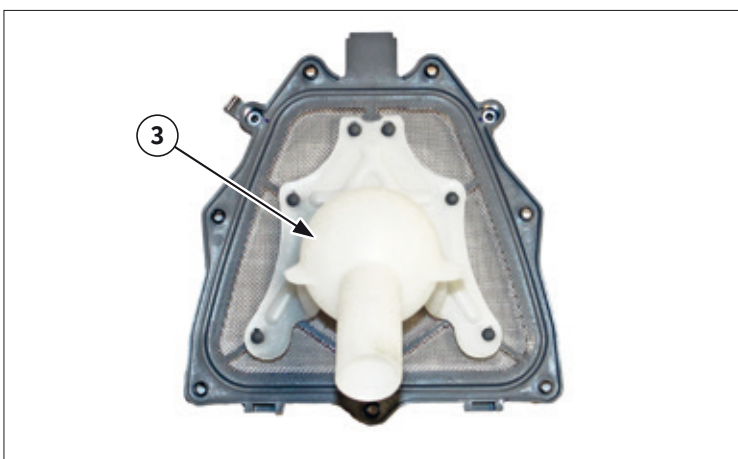


INTAKE BOTTLENECK

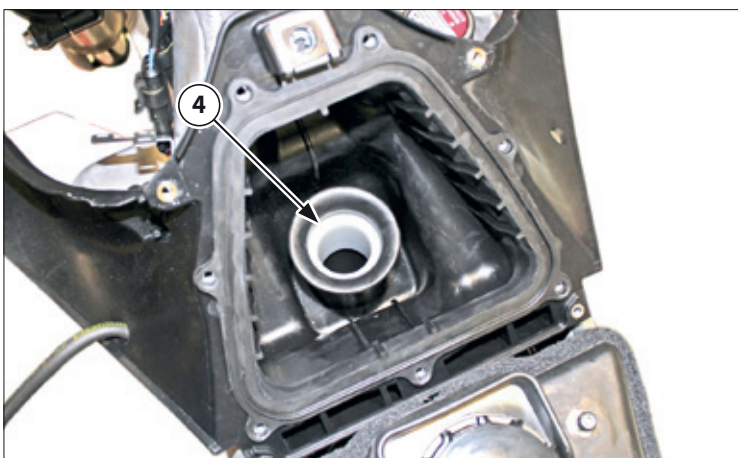
- Remove the air filter.
- Remove the bulkhead of the filter casing removing the two fastening screws "1".



- Remove the flame arrester from the filter casing removing the fastening screws "2".



- Remove the intake duct bottleneck "3", installed on the internal side of the flame arrester.



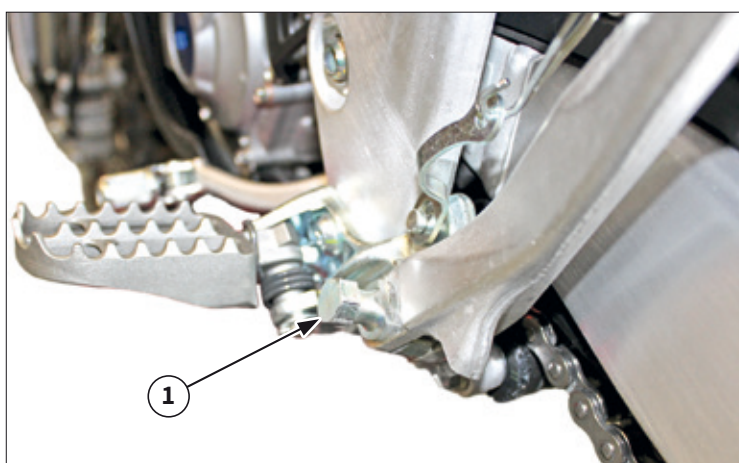
- Remove the bottleneck sleeve "4", installed in the intake duct.
- Refit the flame arrester, the bulkhead of the filter casing and install the air filter on the vehicle.

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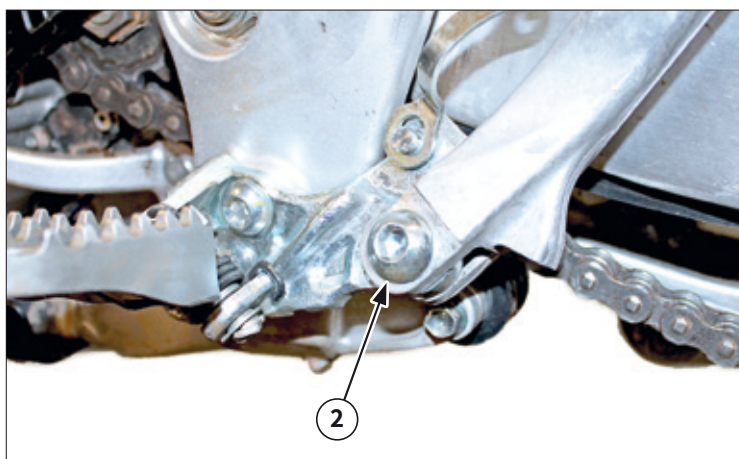
ENGINE CONTROL UNIT MAPPING

- ⚠ Following removal of: Db-Killer, catalyst, oxygen sensor and intake duct bottleneck, the engine control unit must be remapped to allow the engine to work in the best conditions and avoid breakage.
- Go to an authorised Fantic motor dealer or workshop to have the Racing mapping uploaded to the E.C.U. (engine control unit).
- ⚠ The RACING mapping can only be uploaded by an authorised Fantic motor dealer or workshop. Uploading the RACING mapping to the vehicle prohibits its use on roads open to traffic, regardless of whether it is the only modification made to the vehicle.
- Once the RACING mapping has been uploaded into the engine control unit, it is possible to modify its parameters using a smartphone (buying the Wi-Fi COM component), connecting to the control unit through the appropriate App.
- ⓘ The WiGET App can be downloaded for both Apple and Android smartphones through the relevant AppStore.
- ⓘ To connect to the E.C.U. control unit and change its parameters, refer to the instructions inside the App.

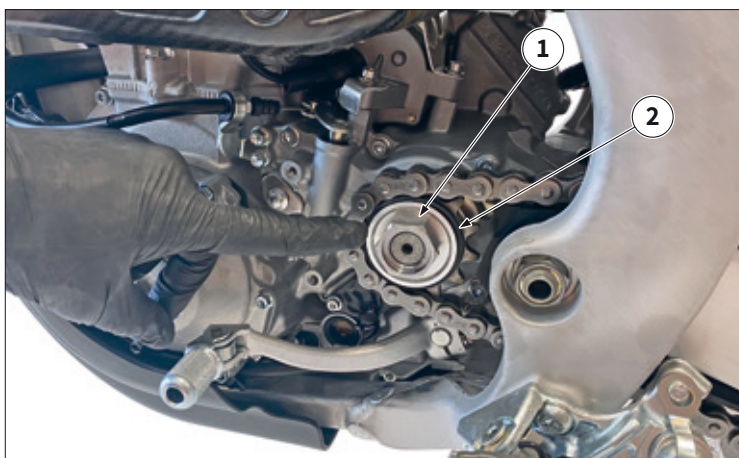


SIDE KICKSTAND

- ⓘ According to the Highway Code, the vehicle kickstand closes automatically as soon as the motorcycle is lifted off the ground; therefore, in order to use the vehicle in the RACING version, the original pin must be replaced with the fastening screw supplied in the kit.
- Support the vehicle with a workshop stand, making sure it is in a stable position.
 - Remove pin "1" from the kickstand.



- Hold the kickstand, taking care not to release the springs from the kickstand and its support, then install the fastening screw "2" supplied in the kit.

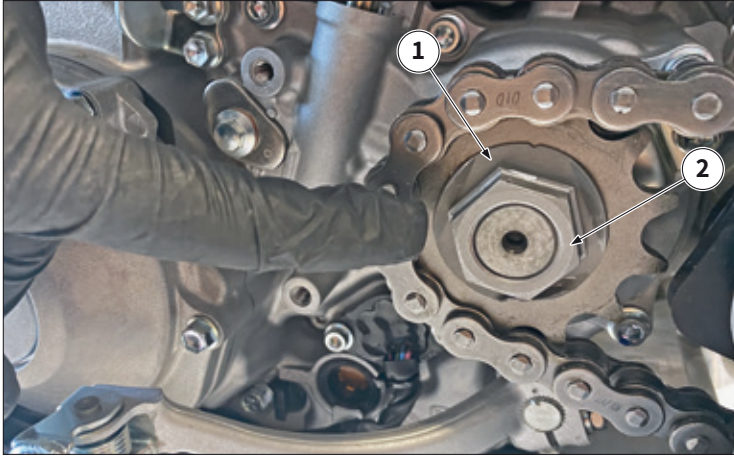


PINION NUT AND WASHER

- Remove the pinion cover;
- Remove the nut, then remove special washer "1" and the rubber washer "2".

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- Install safety washer "1" provided in the kit.
- Install nut "2" by reversing it from the original mounting position. Tighten the nut to the specified torque.

⚠ Make sure to install pinion nut by reversing it from the original mounting position. This operation will ensure proper pinion fastening.

**🔧 Tightening torque:
Pinion nut: 90 Nm (9.0 m•kg, 66 ft•lb)**

SPROCKET

- Remove the rear wheel from the vehicle, then remove the original sprocket with rubber edge.
- Install the sprocket, without rubber rim, which is included in the kit. Tighten the nuts to the specified torque, following a cross pattern.
- Reassemble the wheel on the vehicle and adjust the chain clearance as specified.

**🔧 Tightening torque:
Sprocket nut: 42 Nm (4.2 m•kg, 30 ft•lb)**