

### 1.3 SYMBOLS PRESENT IN THE MANUAL

Particularly important information is highlighted by the following symbols.

 <b>DANGER</b>	<b>DANGER</b> is used to report potential risks of injury. Follow all safety messages reported by this symbol to avoid injury or death.
 <b>WARNING</b>	<b>WARNING</b> indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 <b>ATTENTION</b>	<b>ATTENTION</b> indicates special precautions to be taken to avoid damage to the vehicle.
<b>NOTE</b>	<i>NOTE</i> contains important information on the subject matter.



## 1.4 SAFE RIDING AND MOTORCYCLE SAFETY

Below we list some basic principles for safe driving of your scooter.

- Remember that your safety and the safety of the passenger come first. Arriving safely at the end of the journey must be the main objective.
- The rider and passenger must wear suitable protective clothing such as overalls, gloves, shoes, helmet approved for motorcycle use.
- The rider's position on the bike must be such as to have the widest possible view of the road you are traveling on.
- Drive the motorcycle carefully, set the speed according to the traffic and the type of road conformation.
- A smooth ride allows you to assess hazards and set cornering trajectories more precisely.
- Always pay attention to the WARNING signs and modulate the speed according to the indications given.
- Always respect the speed limits.
- Always evaluate the condition of the road surface and modulate the speed according to it.
- Limit your speed in case of rain and especially in case of puddles on the asphalt.
- When driving on wet surfaces or on surfaces with poor grip (snow, ice, mud, etc.), keep a moderate speed, avoiding sudden braking and sudden maneuvers.
- Maintain a safe distance from vehicles in front of you.
- Before overtaking, check that there are no obstacles in front of the vehicle to be overtaken and always check through the rear-view mirrors that there are no other vehicles approaching from behind.
- Braking using both the front and rear brakes at the same time: this helps to maintain vehicle stability.
- If you feel tired or drowsy, stop and rest.
- Continuous use of the brakes downhill could cause the brake pads to overheat, limiting the braking efficiency.
- Do not turn off the engine when driving downhill.
- When traveling with the passenger, increase safety distances from the vehicles in front of you and take passenger's weight into account when braking and when you must make a bend or overtake.
- The position of the driver and passenger are important for the control of the vehicle.
- While driving, the rider must keep both hands on the handlebars and both feet on the footrests to maintain control of the motorcycle.
- The passenger must always hold onto the driver or handles with both hands and keep both feet on the footrests. Never carry a passenger unless he can firmly place both feet on their footrests.
- Never drive under the influence of alcohol or drugs.
- This scooter is designed for on-road use only. It is not suitable for off-road use.
- Do not use laces, ropes etc ... to secure the luggage, use only approved bags suitable for the type of motorcycle you use.
- The maximum transportable load (rider, passenger, and luggage) must not exceed 155 kg (342 lb.). Under no circumstances should the weight of the baggage exceed 5 kg (11 lb.).

## 1.5 ANTI-LOCK BRAKING SYSTEM - ABS

ABS is an electro-mechanical braking aid system: prevents the wheels from locking during braking, helping to maintain vehicle stability in the presence of slippery, wet, or dirty road surfaces. In conditions of poor grip, the system can intervene by lengthening the braking distance (e.g., presence of gravel or slippery surface), but in any case, guarantees the minimum space for that particular road surface.

- The ABS system does not operate at speeds below 10 km / h. When, during braking, the system comes into operation, pulsations are felt on the brake lever: this sensation should not lead to loosening the pressure on the lever, as this would cancel the action of the system. Moreover, the presence of the ABS system must not lead to behaviors or driving behaviors that exceed the usual rules of prudence.
- Always use recommended pads and tires to ensure correct operation of the ABS system.

## 1.6 RISKS RELATED TO CARBON MONOXIDE

Exhaust gases contain carbon monoxide, a colorless and odorless gas. Breathing carbon monoxide can cause unconsciousness and death. If the engine is started in completely or partially enclosed rooms, the air you breathe can contain a dangerous amount of carbon monoxide. Never start the motorcycle in a garage or other enclosed place.

### DANGER

**Carbon monoxide is a toxic gas. Breathing it can cause unconsciousness and death. Avoid any areas or activities that may expose you to carbon monoxide.**

## 1.7 SAFETY INFORMATION

### 1.7.a Accessories

Choosing the right accessories for your vehicle is an important decision. Use only original accessories, available from **Italjet** dealers that have been tested and approved for use on your vehicle.

The addition of electrical accessories must be done with caution. If the electrical accessories exceed the capacity of the scooter's electrical system, an electrical system failure may occur.

### 1.7.b Transportation of the scooter

Before transporting your scooter in another vehicle, please observe the following instructions.

- Remove all loose objects from the scooter.
- Orient the front wheel in the running position in a straight line on the trailer or on the truck bed and lock it appropriately to prevent it from moving.
- Secure the scooter with appropriate ropes or anchoring straps to solid components of the scooter itself, such as the frame (and not for example to the direction indicators or other components that could break). Carefully choose the location of the straps to prevent them from rubbing against painted parts during transport.
- The suspension, if possible, should be partially compressed, so that the scooter does not jolt excessively during transport.

### 1.7.c Foldable key

The key (1) of the Dragster is foldable. To avoid breaking it, it is recommended to bend the handle of the key (1) perpendicular to the key itself while the vehicle is moving.

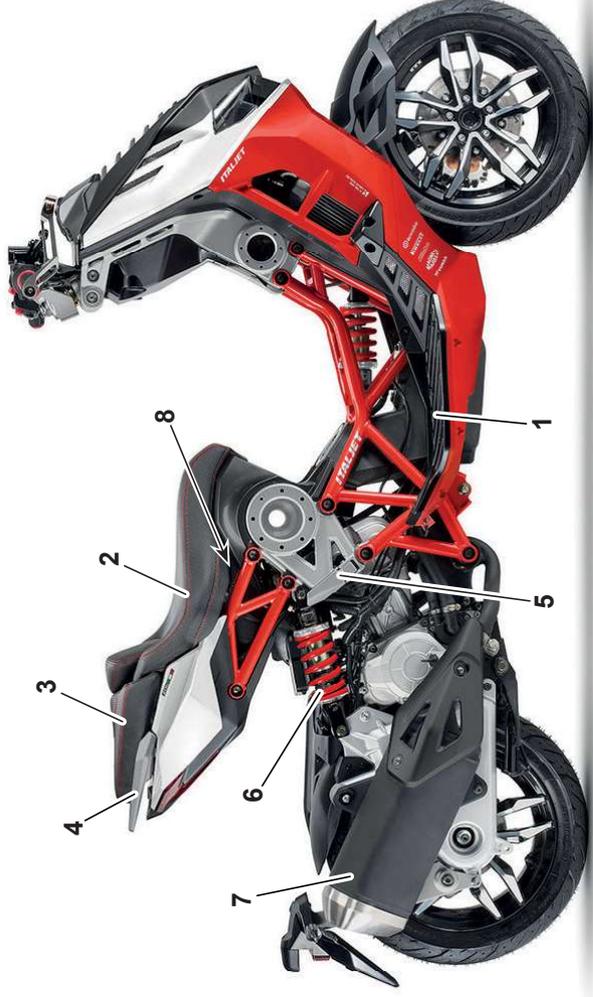


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## 2.1 COMPONENTS OF THE SCOOTER

### Right side view

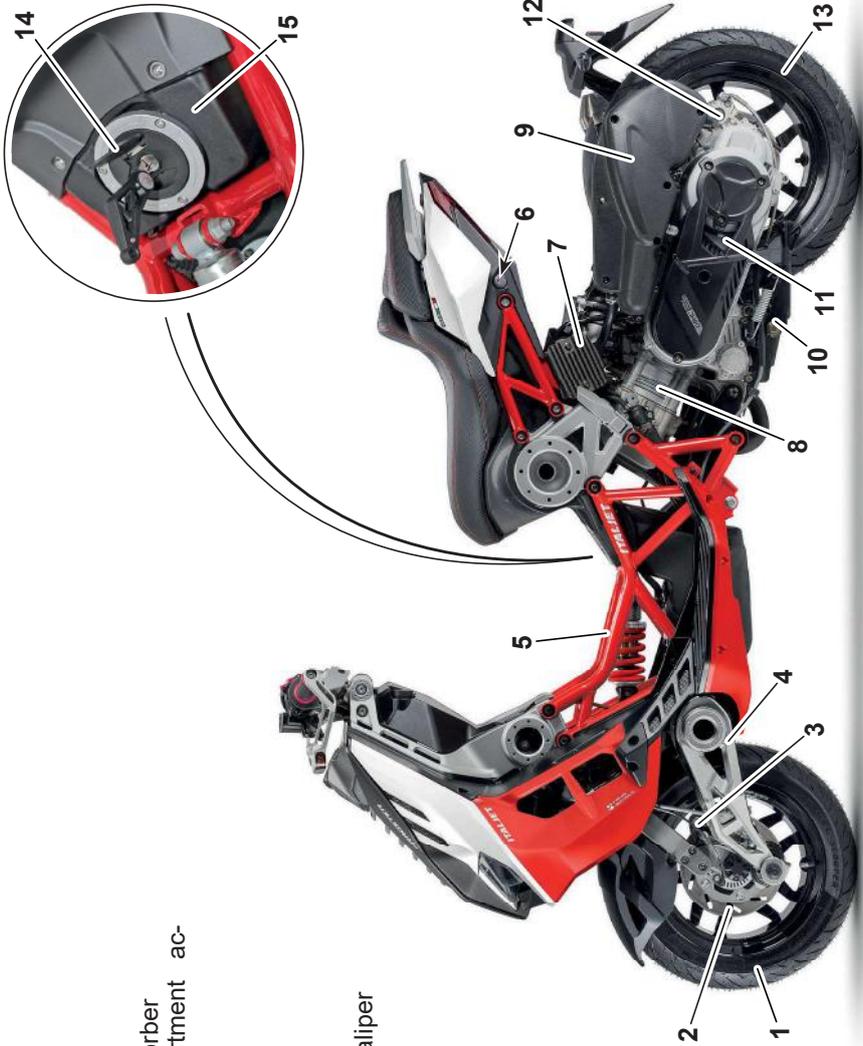
1. Rider footpegs
2. Rider seat
3. Passenger seat
4. Passenger handles
5. Passenger footrests
6. Rear shock absorber
7. Exhaust silencer
8. Glove compartment





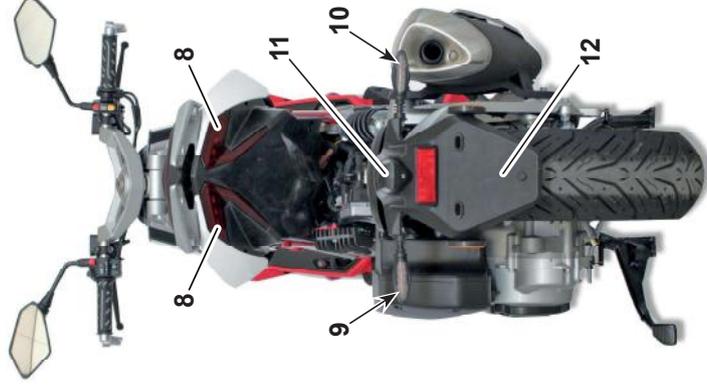
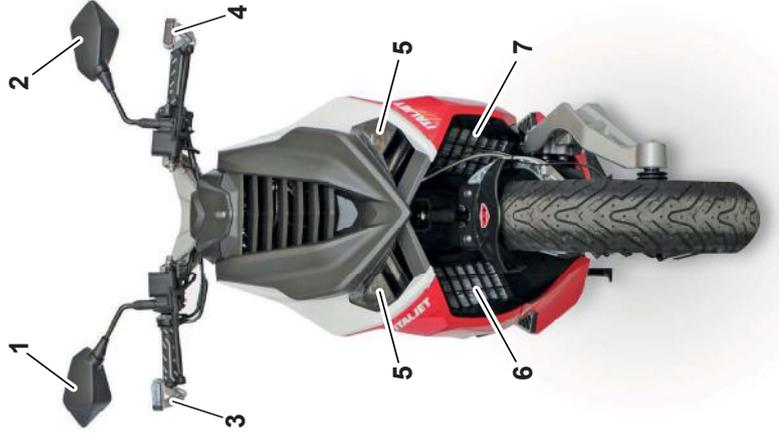
### Left side view

1. Front wheel
2. Front brake disk
3. Front brake caliper
4. Front single arm
5. Single arm shock absorber
6. Under-saddle compartment access lock
7. Voltage regulator
8. Engine
9. Air filter
10. Central stand
11. Transmission air filter
12. Rear brake disk and caliper
13. Rear wheel
14. Fuel tank cap
15. Fuel tank



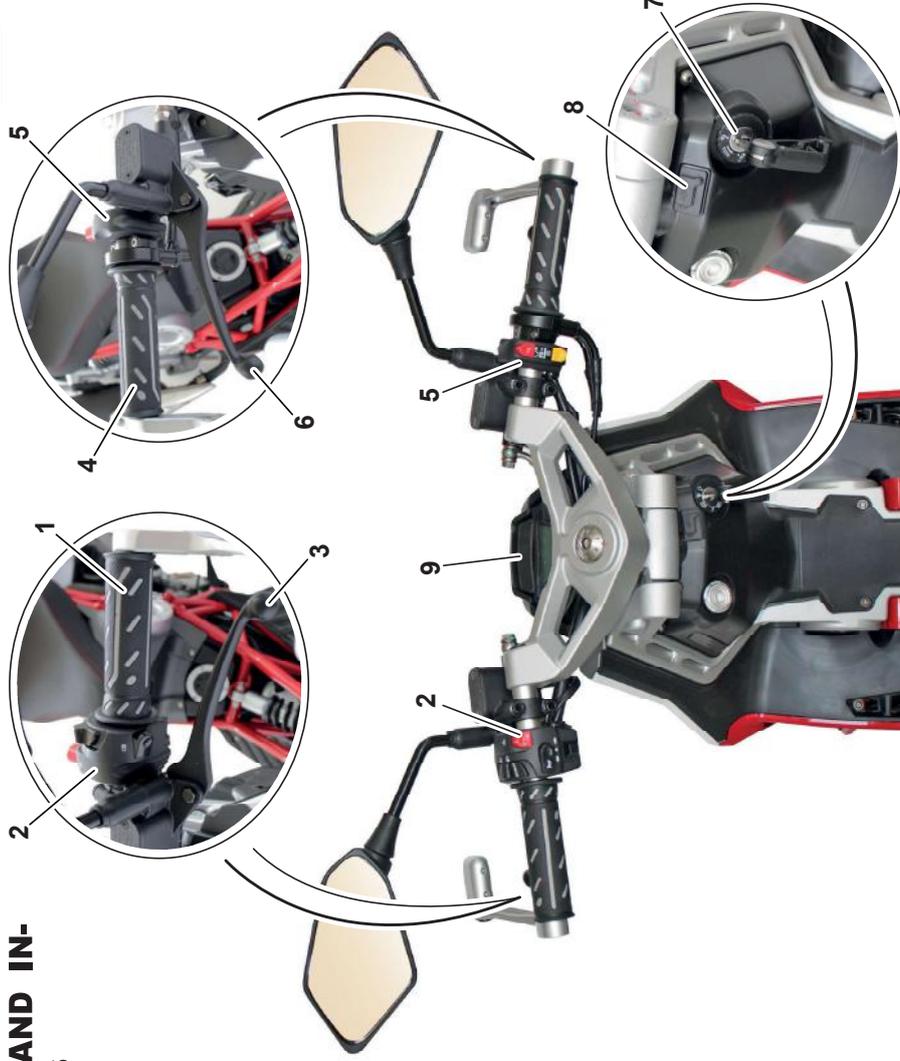
## Front and rear view

1. Right rear-view mirror
2. Left rear-view mirror
3. Right direction indicator
4. Left direction indicator
5. Front light
6. Right radiator
7. Left radiator
8. Rear light
9. Left rear arrow
10. Right rear arrow
11. License plate light
12. License plate holder



## 2-2 CONTROLS AND INSTRUMENTS

1. Left knob
2. Left control block
3. Rear brake lever
4. Throttle control
5. Right control block
6. Front brake lever
7. Ignition switch
8. USB socket
9. Digital tool



## 2.3 DATA FOR IDENTIFICATION

The engine identification number is stamped on the rear / top of the crankcase, while the **serial number is stamped on the frame** under the seat.

Always refer, also noting it in this booklet, the number stamped on the frame when ordering spare parts or asking for information about your motorcycle.

### ENGINE SERIAL NUMBER



2

### MOTORCYCLE SERIAL NUMBER

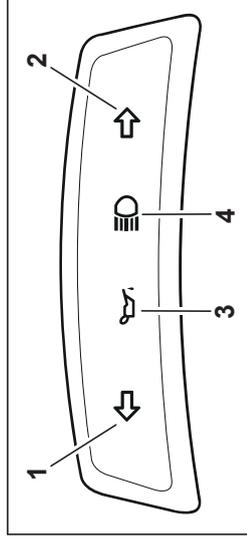


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## 2.4 INSTRUMENTATION

### 2.4.a Indicator and warning lights

- 1) Left turn signal warning light.
- 2) Right turn signal warning light.
- 3) Insufficient engine oil pressure warning light.
- 4) High beam warning light.
- 5) High coolant temperature warning light.
- 6) Low fuel warning light.
- 7) ABS warning light.
- 8) Engine fault warning light.



#### Left turn signal warning light “←”

The light flashes when the left turn indicator is inserted using the special control lever located on the left control block.

#### Right turn signal warning light “→”

The light flashes when the right direction indicator is inserted using the special control lever located on the left control block.

#### Insufficient engine oil pressure warning light “”.

Sit lights up with the ignition key in the “ON” position and should go out when the engine is running. If it stays on or lights up with the engine run-

ning, stop the engine and check the oil level as described in the relevant paragraph or contact your dealer to have the fault checked.

## WARNING

**Do not use the motorcycle with insufficient oil pressure, possible engine failure.**

**High beam warning light “”.**

The light comes on when the high beam is switched on using the appropriate control located on the left control block.

**High coolant temperature warning light “”.**

It lights up when the coolant temperature has reached the maximum allowed value.

## WARNING

**Stop the motorcycle and turn off the engine. Do not use the motorcycle with a high coolant temperature, possible engine failure.**

- Wait for the coolant to cool then check the level as described in the relevant paragraph or contact your trusted dealer to check the fault.

**Low fuel warning light “”**

By turning the ignition key, the warning light comes on for a few seconds and then goes off. If the warning light comes on while the motorcycle is being used, it indicates that the fuel level has reached the reserve level (2 liters), indicating a limited range of travel; refuel as soon as possible.

**ABS warning light “”**

By turning the key, the ABS control unit performs a self-diagnosis, the warning light comes on for a few seconds and then goes off indicating no anomalies.

If, on the other hand, the warning light comes on while the motorcycle is running, it indicates that there is a fault in the ABS braking system:

- Stop and turn off the engine.

- Wait a few minutes and restart the engine. If the warning light comes on again, contact the nearest **Italjet** Dealer to have the ABS system checked.

**Engine fault warning light “”**

By turning the ignition key, the engine control unit performs a self-diagnosis, the warning light comes on for a few seconds and then goes out indicating no anomalies.

If the warning light comes on while the engine is running, it indicates that there is a fault with the engine or the injection system;

- Stop and turn off the engine.
- Wait a few minutes and restart the engine. If the warning light comes on, contact the nearest **Italjet** Dealer to carry out a check on the self-diagnosis system.

### 2.4.b Digital Instrument

- 1) Speed indicator (Speedometer) km / h - mi / h.
- 2) Clock.
- 3) Fuel gauge.
- 4) Indicator km / mi partial or total traveled / total or partial hours indicator.
- 5) Expired scheduled maintenance warning light.
- 6) "MODE" button.
- 7) "SET" button.



#### Speedometer (1)

Indicates the speed of the motorcycle; the speed can be indicated in km / h or mi / h depending on how the unit of measurement has been set.

#### Watch (2)

Indicates the time; it can be set with a 24-hour or 12-hour scale

#### Fuel Gauge (3)

Indicates the fuel level inside the tank; completely visible scale (3a) indicates the maximum level, non visible scale (3a) indicates the minimum level, the light "🔥" lights up.

#### Indicator of km / mi of partial or total distances / total or partial hours indicator (4)

In this part of the display, it is possible to view the partial km / mi traveled (TRIP A or TRIP B) and the relative travel time, the total km / mi traveled.

#### Expired scheduled maintenance warning light (5)

The warning light flashes when maintenance interval is in 100 km . The warning light remains steady when the km / mi of the maintenance interval has been exceeded and remains steady until reset.

After performing the maintenance, display TOTAL ODO, then press the "mode" button (6) for more than 10 seconds; the maintenance indicator goes off.

#### MODE button (6)

The "mode" button allows you to scroll through the software.

#### SET button (7)

The "set" button allows you to set the unit of measure and to delete partial counters.

## 2.5 ADJUSTMENT AND DISPLAY SETTING

### DANGER

All adjustments must be made with the motorcycle stationary.



### Km / mi setting and 24 hours / 12 hours clock

- Press the “**mode**” button until the total km / mi is displayed.
- Press and hold the “**set**” button for at least ten seconds to switch from the unit of measurement km + 24 hours clock to mi (miles) + 12 hours clock and vice versa; the partial counters are reset.

### Time setting

- Press the “**mode**” and “**set**” buttons at the same time for more than two seconds, the hours and minutes start flashing.
- Press the “**mode**” key to increase the hours and the “**Set**” key to increase the minutes.
- Press the “**mode**” and “**set**” buttons simultaneously for more than two seconds to confirm the time setting.

### Setting km / mi and partial hours “Trip A or Trip B”

- Press the “**mode**” button until “Trip A” or “Trip B” is displayed, by quickly pressing the “**set**” button you can switch between displaying the partial km / mi traveled to the partial hours for the trip.
- To reset the partial km / mi traveled and the partial time, press the “**set**” button for more than two seconds, the values are reset, and a new count starts again.

## 2.6 COMMANDS

### 2.6.a Key block

The key block has three positions:

- ↻ motorcycle starting position (non-removable key);
  - ⊗ key extraction position;
- “lock” steering locking position (removable key).

#### - Key extraction position “⊗”

By turning the key to position “⊗” the engine and the lights switch off and it is possible to remove the key from the block.

#### - Starting position “↻”

From position “⊗” (key extraction) turn the key (1) clockwise to position “↻”; the lights, the display will light up and the motorcycle can be started.



### 2.6.b “lock” steering lock

To lock the steering operate as follows:

- Turn the handlebar fully to the left
- Insert the key (1) on the block (2) in position .
- Press the key (1) and turn it anti-clockwise to the “lock” position.
- Remove the key (2).

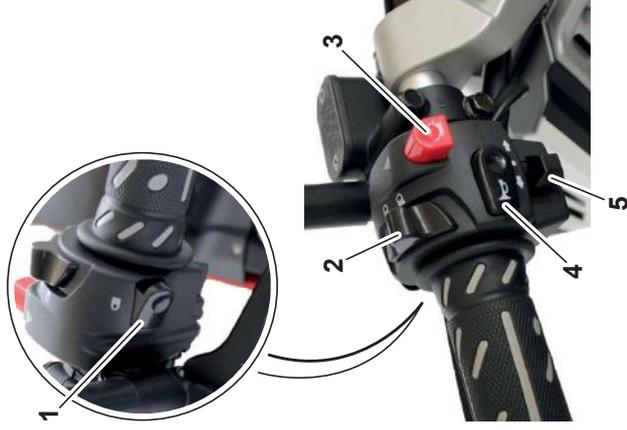
To unlock the steering, operate in reverse.



## 2.7 LEFT CONTROL BLOCK

The left block has the following commands:

1.  Dazzling flashing.
2.  Low beam / high beam switch.
3.  Emergency light switch.
4.  Horn.
5.  Direction indicator switch.



### Emergency light switch “”

By pressing the switch (3) all the direction indicators flash simultaneously and the “(symbol)” and “(symbol)” lights flash on the dashboard “” and “”.

**NOTE:** Use the Hazard lights only when necessary to warn other vehicles that your motorcycle is stationary. Using the Emergency lights with the engine off could drain the batteries.

### Horn “”

Press the button (4) to activate the horn.

### Direction indicator switch “”

Moving the switch (5) towards “” inserts the left direction indicator, moving the switch (5) towards “” inserts the right direction indicator: Once released, the switch returns to the central position. To turn off the inserted direction indicator, press the switch once it is in the central position.

### Low beam / main beam switch

“ / ”

Depending on the position of the switch (2), the dipped or main beams light up:

 Illuminated low beam lights.

 Illuminated high beam lights.

## 2.8 RIGHT CONTROL BLOCK

The right block has the following commands:

1.  Emergency switch engine stop.
2.  Engine start button.



## 2.8.a EMERGENCY switch to stop the engine

### WARNING

**Press the switch (1) to turn off the engine only in the event of a real Emergency.**

When pressed in the "" position, it disables engine start-up and operation.

When pressed in the "" position, it enables the engine to run and start.

**2.8.b Engine start button**  
By pressing the button (2) with the key in position "" and switch (1) in position "", press a brake lever and the engine starts.

## 2.9 ACCELERATOR CONTROL

The throttle grip (1) is located on the right side of the handlebar.



## 2-10 FRONT BRAKE CONTROL

The brake lever (1) is located on the right side of the handlebar. A stop switch, when braking, causes the rear light lamp to come on. To apply the brake, pull the lever towards the throttle grip.

The position of the control on the handlebar can be adjusted by loosening the two fixing screws (2).

### **⚠ WARNING**

**Do not forget to tighten the screws (2) after adjustment.**

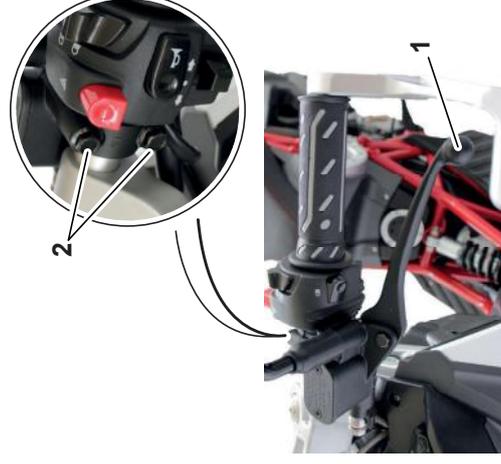


## 2-11 REAR BRAKE CONTROL

The brake lever (1) is located on the left side of the handlebar. A stop switch, when braking, causes the rear light lamp to come on.

To activate the brake, pull the lever towards the knob.

The position of the control on the handlebar can be adjusted by loosening the two fixing screws (2).



### **⚠ WARNING**

**Do not forget to tighten the screws (2) after adjustment.**

## 2.12 FUEL TANK

### **⚠ DANGER**

Gasoline is extremely flammable and can become explosive under certain conditions. Always turn off the engine, do not smoke or approach flames or sparks in the area where you refuel or store fuel.

### 2.12.a Refueling

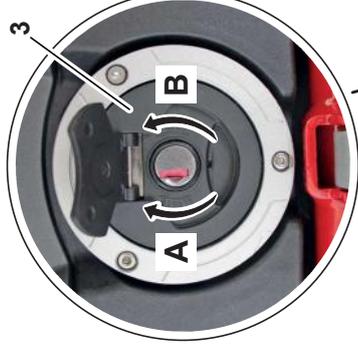
- Switch off the engine.
- Lift the lock cover (1).
- Insert the key (2) and turn it 1/4 turn in the direction of the arrow "A" to remove the cap (3).
- Pour the fuel into the tank.

### **⚠ WARNING**

Do not fill the tank beyond the lower limit of the filler neck, if the fuel overflows, clean the fuel immediately with a rag as, in addition to being extremely flammable, it can deteriorate painted or plastic surfaces.

- Refit the cap (3) proceeding inversely to the removal operations, turning the key in the direction of arrow "B" then remove the key (2) and lower the lock protection cover (1).

**NOTE:** It is not possible to refit the fuel cap (3) without the key being inserted in the lock; it is possible to remove the key (2) from the cap (3) only if the latter is closed correctly.



**⚠ WARNING**

Check that the fuel tank cap is closed properly after refueling. Fuel leaks constitute a fire risk.

## 2.13 FUEL

**⚠ WARNING**

Gasoline is poisonous and can cause injury or death. Handle gasoline carefully. Never suck up petrol with your mouth. If gasoline is ingested or if large quantities of gasoline vapors are inhaled, or gasoline encounters the eyes, seek immediate medical WARNING.

**If you spill gasoline on your skin, wash it off with soap and water. If you spill petrol on your clothes, change them.**

**NOTE:**

- This reference identifies the recommended fuel for this vehicle as specified by the European regulation (EN228).
- Check that the fuel pump nozzle has the same fuel identification reference.

### 2.13.a Different types of petrol

There are several types of gasoline containing ethanol. Gasoline containing ethanol can be used if the ethanol content does not exceed 10% (E10). *Italjet* does not recommend petrol containing methanol as it can cause damage to the fuel system, or vehicle performance problems.

**WARNING**

**Use only unleaded petrol. The use of leaded petrol would cause serious damage both to the internal parts of the engine, such as valves and segments, and to the exhaust system.**

The engine was designed to use unleaded gasoline with a controlled octane number of 95 or higher. If the engine knocks, use a different brand or higher-octane gasoline.

**Advised fuel:**  
Unleaded gasoline  
(E10 acceptable)

**Octane number (RON):**  
95

**E5**

**E10**

### 2.13.b Catalytic converter

The exhaust system includes catalytic converters to reduce harmful exhaust emissions.

#### **⚠ WARNING**

The exhaust system reaches high temperatures after running the motorcycle. To prevent the risk of fire or burns:

- Do not park the vehicle near materials that can pose a fire hazard, such as grass or other easily combustible materials.
- Park the vehicle in a place where there is no danger of pedestrians or children touching the hot exhaust system.

- Check that the exhaust system has cooled down before carrying out maintenance work on it.
- Do not run the engine at idle even for a few minutes. A prolonged idle that can cause heat build-up.

## 2.14 ACCESSORY PARTS AND USB SOCKET

### **WARNING**

The accessory connected to the USB socket should not be used with the engine off, and the load must never exceed 12W (1A), otherwise the fuse could burn out and the battery discharged.

#### 2.14.a To use the USB socket

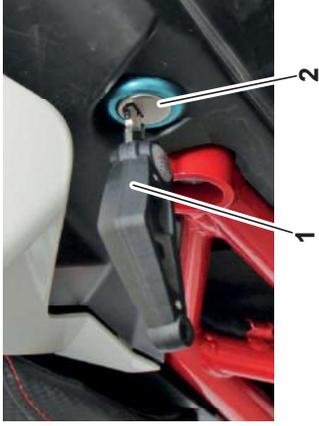
- Lift the guard (1).
- Connect the accessory to the socket (2).
- When the socket is not used, reposition the protection correctly.



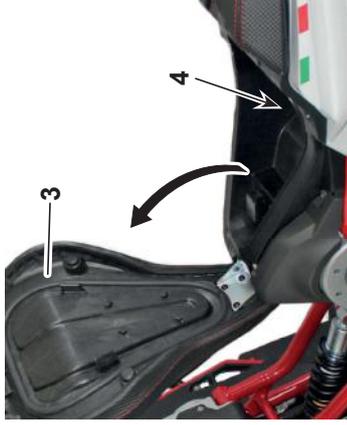


### 2.14.b Storage compartment under the saddle

- Place the motorcycle on the side stand or center stand.
- Insert the key (1) into the lock (2) and turn it until the seat lock is released.



- Lift the saddle (3) to access the compartment (4).
- To close the saddle, lower it and push down so that it hooks into the lock.



**NOTE:** After opening the compartment under the saddle, the key can be removed from the lock.

#### 2.14.c Side stand (optional)

##### **ATTENTION**

The kickstand is designed to support the **WEIGHT OF THE MOTORCYCLE ONLY**.

Do not sit on the vehicle using the stand as a support; breakage could occur resulting in serious personal injury.

##### **ATTENZIONE**

The motorcycle **MUST** be placed on the side stand **ONLY AFTER** the rider has left the vehicle.

##### **ATTENZIONE**

A safety sensor is positioned on the motorcycle that does not allow the motorcycle to be started, with the stand down.

When the stand is lowered with the motorcycle running, the engine stops.

The side stand is located on the left side of the frame. Raise or lower the kickstand (1) with your foot while holding the vehicle upright.



##### **! DANGER**

Do not use the motorcycle with the side stand down. If the side stand does not remain raised, it is necessary to contact the nearest *Italjet* dealer for repair.

Periodically check the correct functioning of the side stand and the correct functioning of the safety sensor that blocks the starting of the motorcycle with the stand down.



### 2.14.d Central stand

- Grasp the left handlebar grip (1) and the left passenger handle (2).
- Press the lever (3) of the central stand (4) with your right foot and at the same time lift the motorcycle upwards and backwards until it is completely raised on the central stand.

#### **ATTENTION**

**When the vehicle is parked on the central stand, it is dangerous to sit on board, thus placing one's weight on the parking support.**



To lower the motorcycle from the central stand, proceed as described below.

- Grasp the left handle (1) and the left handle (2) of the passenger.
- Place your foot in front of the stand and push the motorcycle towards the front until it comes off the stand; the stand will rise automatically.



### 3.1 CHECKS BEFORE USE

Inspect the vehicle each time you use it to make sure it is in a safe condition to operate. Always observe the inspection and maintenance procedures and intervals described in the use and maintenance manual.

#### **WARNING**

**Failure to perform a proper inspection or maintenance of the vehicle increases the possibility of accidents or damage to the vehicle. Do not use the vehicle if you experience problems. If the malfunction cannot be eliminated with the instructions provided in this manual, have the vehicle inspected by an Itajet dealer.**

Before using this vehicle, please check the following points:

ELEMENT	CONTROLS
<b>Fuel</b>	<ul style="list-style-type: none"><li>- Check the fuel level in the fuel tank.</li><li>- Refuel if necessary.</li><li>- Check for leaks in the fuel circuit.</li></ul>
<b>Motor oil</b>	<ul style="list-style-type: none"><li>- Check the oil level in the engine.</li><li>- If necessary, add oil of the recommended type up to the level.</li><li>- Check for the absence of oil leaks from the engine.</li></ul>
<b>Final transmission oil</b>	<ul style="list-style-type: none"><li>- Check for the absence of oil leaks from the transmission.</li></ul>
<b>Coolant</b>	<ul style="list-style-type: none"><li>- Check the coolant level in the expansion tank.</li><li>- If necessary, top up the coolant.</li><li>- Check that there are no leaks in the cooling system.</li></ul>
<b>Wheels and tires</b>	<ul style="list-style-type: none"><li>- Check for damage.</li><li>- Check the condition of the tires and the tread depth.</li><li>- Check the air pressure.</li></ul>



ELEMENT	CONTROLS
<b>Brakes</b>	<ul style="list-style-type: none"><li>- Check the operation of the brakes.</li><li>- If you have a feeling of softness and pliability, have the safety system checked by an <b>Italjet</b> dealer.</li><li>- Check the wear of the brake pads.</li><li>- Replace them if necessary (for replacement, contact an <b>Italjet</b> dealer).</li><li>- Check the fluid level in the tank, top up if necessary (to top up, contact an <b>Italjet</b> dealer).</li><li>- Check that there are no leaks in the hydraulic system.</li></ul>
<b>Side stand, center stand</b>	<ul style="list-style-type: none"><li>- Make sure the movement is smooth.</li><li>- Lubricate the pivot points if necessary.</li></ul>
<b>Instruments, lights, signals, and switches</b>	<ul style="list-style-type: none"><li>- Check the operation of the lights and direction indicators.</li></ul>
<b>Side stand switch</b>	<ul style="list-style-type: none"><li>- Check the operation of the ignition circuit interruption system.</li><li>- If the system does not work correctly, have the vehicle checked by an <b>Italjet</b> dealer.</li></ul>

## 3.2 INSTRUCTIONS FOR USING THE MOTORCYCLE

**NOTE:** *If you are not familiar with the operation of the motorcycle, before riding it, carefully read the instructions contained in the "CONTROLS" paragraph.*

### 3.2.a Break-in instructions

During the first 1000 km, the following rules must be **SCRUPULOUSLY** observed, the **NON-COMPLIANCE** of which **MAY JUDGE THE LIFE AND PERFORMANCE OF THE MOTORCYCLE**:

- Before using the vehicle, warm up the engine to a low number of revolutions.
- Avoid fast starts and do not run the engine at high revs.
- Drive at moderate speed until the engine warms up.
- Repeatedly use both brakes to run in the pads and discs.
- Avoid maintaining the same speed for a long time.
- Avoid traveling long distances without making stops.

### 3.2.b Identification of operating problems

The following list of any operating problems serves, in general, to identify their origin and implement the remedy.

#### **The engine does not start**

- Inadequate starting technique: follow the instructions in the paragraph "Starting the engine".
- Side stand lowered.

#### **The engine is slow to start**

- Dirty spark plug or in bad condition: replace

#### **The engine starts but the operation is erratic**

- Dirty spark plug or in bad condition: replace.

#### **The spark plug gets dirty easily**

- Inadequate spark plug, replace

#### **The engine lacks power**

- Dirty air filter: clean.

#### **The brakes are not working properly**

- Worn pads: replace at a specialized repair shop.

### ATTENTION

**For all other problems, contact an Itajet dealer.**

### 3.3 RIDER AND PASSENGER GET ON / GET OFF THE BIKE

#### 3.3.a General rules

Read the following instructions carefully as they provide important information for the safety of the rider and passenger to avoid damage to persons or damage to the motorcycle.

Getting on and off the motorcycle must always be done from the left side of the motorcycle, with your hands free, without hindrance and with the central stand raised.

If the side stand is present, the rider can climb up with the stand down.

The rider must be the first to get on and the last to get off the motorcycle and must govern the stability of the motorcycle during the passenger's ascent and descent.

Do not get off the vehicle by jumping or extending your leg, always get off by carrying out the operations described in the relevant paragraph.

#### 3.3.b Rider Get On

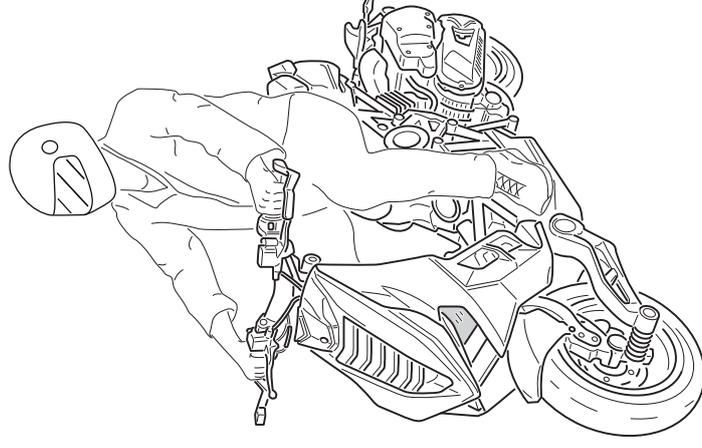
Raise the central stand. If there is a side stand, leave it in the lowered position.

- From the left side, hold the handlebar correctly with both hands, then lift the right leg and pass the saddle.
- Sit on the motorcycle and place both feet on the ground, straightening the vehicle without loading your weight on the side stand (if present).

#### **WARNING**

**If you are unable to place both feet on the ground, place your right foot with your left foot ready for support.**

- With the left foot, completely retract the side stand (if present).
- Start the motorcycle as described in the relative paragraph.



### 3.3.c Passenger Get On

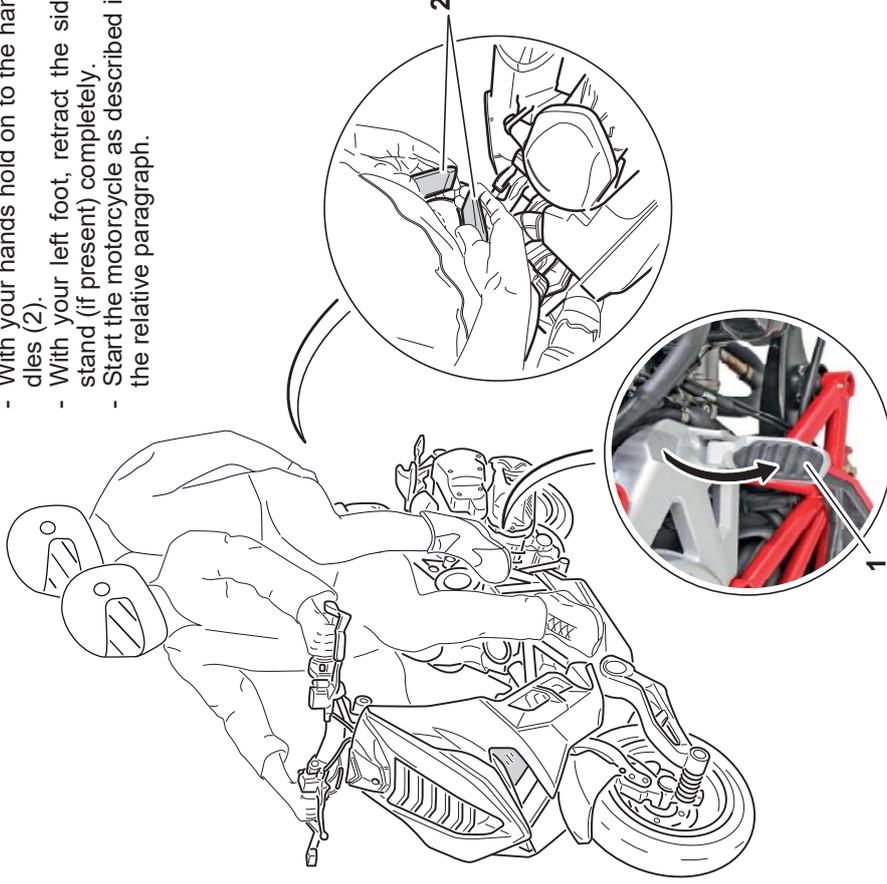
- The rider must get on the motorcycle as described in the relevant paragraph, without starting the motorcycle.
- The passenger must extract the footrests (1).

#### **⚠ WARNING**

The rider in the driving position must not extract or try to extract the rear passenger footrests, as this could compromise the balance of the vehicle.

- Get on the bike by lifting your right leg, moving carefully so as not to unbalance the vehicle and the rider.

- With your hands hold on to the handles (2).
- With your left foot, retract the side stand (if present) completely.
- Start the motorcycle as described in the relative paragraph.





#### 3.3.d Get Off the bike

- Stop the vehicle and switch off the engine.

#### **⚠ WARNING**

**Make sure that the area where the vehicle is to be parked is stable and level.**

- Place both feet on the ground.
- Switch off the motorcycle as described in the relative paragraph.
- With your left foot, fully extract the side stand (if present).
- The passenger must get off the left side of the vehicle first by lifting his right leg.
- Tilt the motorcycle to the left until it rests on the side stand, if present.
- With your hands firmly on the handlebars, get off the bike on the left side by lifting your right leg.

### 3.4 REAR VIEW MIRRORS ADJUSTMENT

Sit on the motorcycle as described in the relative paragraph.  
Adjust both mirrors (1) by moving them directly so that from a seated position the rider can see the rear of the road correctly.



## 4.1 STARTING OF THE MOTORCYCLE

After getting on the motorcycle, as indicated in the relevant paragraph, to start the engine proceed as follows:

**NOTE:** *The motorcycle will not start if the side stand is down.*

- Put the key (1) of the ignition switch in the "⌚" position.



- The warning light "🛑", lights up for a few seconds and then goes off while the "⌚", "🛑" lights remain on until the motorcycle is started.

- Make sure that the throttle grip (2) is fully released.
- Pull one of the two brake levers.
- Press the engine start button (3) and release it as soon as the engine starts.

**NOTE:** *The "ABS" warning light remains on until the vehicle reaches a speed of 10 km / h (6mi / h) and then goes off.*

**NOTE:** *Do not run the cold engine at a high number of revolutions to allow the oil to heat and circulate in all points that need lubrication.*





#### 4.1.a Use of the accelerator

- Release the pulled brake lever and simultaneously rotate the throttle grip (1); speed is directly proportional to the rotation of the throttle grip, by turning the knob towards "A" the motorcycle accelerates, by turning the knob towards "D" the motorcycle decelerates.



#### 4.1.b Using the brakes

- To have a more incisive braking action, it is advisable to apply both brakes at the same time.
- Release the throttle grip (1) and pull both brake levers (2) gradually increasing the pressure according to the desired braking degree



### **⚠ WARNING**

Avoid abrupt braking, be very careful when braking with the motorcycle on an incline, danger of falling. In some conditions, the independent use of the front or rear brake may be useful. Use the front brake carefully, especially on slippery ground. Incorrect use of the brakes can cause serious accidents.

#### 4.1.c Stopping the motorcycle and engine

- Fully release the throttle grip (1) to decelerate the motorcycle.
- Brake both front and rear.
- Once the motorcycle has been stopped, turn the ignition key (2) to position "X" (key removal position), the engine stops.



#### 4.1.d Stopping the engine in an emergency

- To stop the engine in an emergency, press the red switch (1) on "X"; after stopping the motorcycle, return the switch (1) back to the "O" position.

#### **⚠ WARNING**

In the event of the accelerator locking in the open position or other malfunction that caused the engine to spin uncontrollably, **IMMEDIATELY** press the engine stop button (1). Maintain control of the motorcycle with normal use of the brakes and steering while pressing the stop button.



#### 4.1.e Parking the motorcycle

Place the motorcycle on the side stand or on the central stand as described in the relative paragraphs.

#### **⚠ WARNING**

- After turning off the motorcycle, the engine and the exhaust system can become very hot, try to park so that pedestrians do not accidentally touch these parts.
- Do not park next to dry grass or other flammable materials that can catch fire.
- Do not park on slopes or on soft ground; the motorcycle could overturn with possible fuel leakage and fire hazard.

## 5.1 MAINTENANCE AND PERIODIC CHECKS

### 5.1.a Periodic maintenance

Periodic inspections, adjustments and lubrications keep the motorcycle in the best possible conditions of safety and efficiency. The most important points relating to motorcycle checks, adjustments and lubrication are illustrated on the following pages.

The maintenance intervals shown in the table should only be considered as a general guide under normal riding conditions. However, it may be necessary to reduce maintenance intervals depending on climatic conditions, terrain, geographical position, and individual use.

#### **⚠ WARNING**

Lack of maintenance or incorrect maintenance of the motorcycle can increase the risk of injury or death while using the vehicle. Have the maintenance carried out by an *Italjet* dealer or professional repairer.

#### **⚠ WARNING**

If you use the vehicle on dusty, muddy, or very wet roads, it is necessary to clean / replace the air filter with a shorter maintenance interval. Go to your *Italjet* dealer for the correct maintenance interval.

#### **⚠ WARNING**

Before carrying out any maintenance operation, check that you have the necessary tools, components, and technical skills.

- Switch off the engine and park the motorcycle on a flat and solid surface.
- Wait for the engine, silencer, and brake disks to cool down.

Interval of maintenance	Time or mileage											
	Time (Months)	6	12	18	24	30	36	42	48	54	60	66
	Mileage (km x 1000)	1	6	12	18	24	30	36	42	48	54	60
Items												
<b>Engine</b>												
Guided pulley roller			L			L		L		L		L
Variator cover plastic bushing			R			R		R		R		R
Clutch bell		C	C	C	C	C	C	C	C	C	C	C
Drive belt			R			R		R		R		R
Transmission air filter			I			I		I		I		I
Engine oil filter	R	R	R	R	R	R	R	R	R	R	R	R
Valve clearance			A			A		A		A		A
Hub oil	R		R			R		R		R		R
Motor oil (*)	R	R	R	R	R	R	R	R	R	R	R	R
CVT rollers			R			R		R		R		R
Front movable half-pulley CVT			I			I		I		I		I
Transmission			L			L		L		L		L
Spark Plug			R			R		R		R		R
Air filter		C	C	C	C	C	C	C	C	C	C	C



Interval of maintenance	Time or mileage											
	Time (Months)	6	12	18	24	30	36	42	48	54	60	66
Items	Mileage (km x 1000)	1	6	12	18	24	30	36	42	48	54	60
<b>Vaporization system</b>												
Container and tubes		I		I		I		I		I		I
<b>Cooling system</b>												
Coolant level (**)		I	I	I	I	I	I	I	I	I	I	I
Radiator				C		C		C		C		C
<b>Fuel Supply System</b>												
Fuel filter				R		R		R		R		R
Fuel pipes (***)		I		I		I		I		I		I
<b>Electrical system</b>												
Battery voltage		I		I		I		I		I		I
Headlight adjustment				A		A		A		A		A
<b>Road test of the vehicle</b>												
Road test of the vehicle		I		I		I		I		I		I

Interval of maintenance	Time or mileage											
	Time (Months)	6	12	18	24	30	36	42	48	54	60	66
	Mileage (km x 1000)	1	6	12	18	24	30	36	42	48	54	60
Items												
<b>Frame</b>												
Safety fixings	I		I					I				I
Brakes	I	I	I	I				I	I			I
Brake fluid (**)	I		I					I				I
Suspensions			I					I				I
Wheels / tires	I	I	I	I				I	I			I
Steering	I		I					I				I
Exhaust system												I
Throttle control	A			A				A			A	A

I: Check and clean, adjust, grease or replace if necessary

C: Clean

R: Replace

A: Adjust

L: Lubricate

(\*) Check the level every 3000 km

(\*\*) Replace every 2 years

(\*\*\*) Replace every 4 years

### 5.1.b Check oil level

**NOTE:** The check must be carried out with the engine just switched off and still warm.



**WARNING**

The motorcycle muffler reaches high temperatures, be careful not to get burned.

- Place the motorcycle on a level surface, in a vertical position raised on the central stand.
- Wait a few minutes to allow the oil to settle.
- Unscrew the dipstick (1) and remove it, clean the dipstick with a rag and insert it back into the filling hole (2) without screwing it in, then remove it and check that the oil level is between the minimum level marks "MIN" and maximum "MAX".
- In case of topping up, insert oil through the hole (2) up to the MAX level and not beyond.
- Reassemble the dipstick (1) by screwing it.

### 5.1.c Engine oil and filter replacement

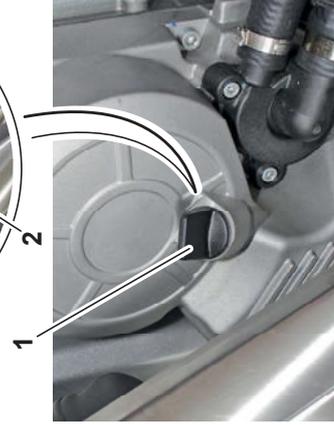
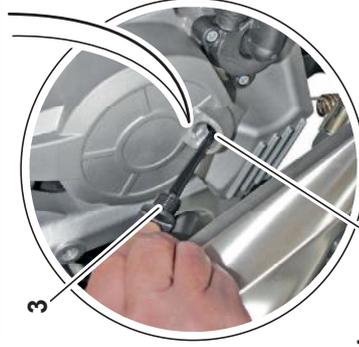
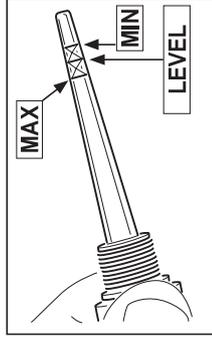
**NOTE:** Oil replacement must be carried out with the engine just turned off and still warm.



**WARNING**

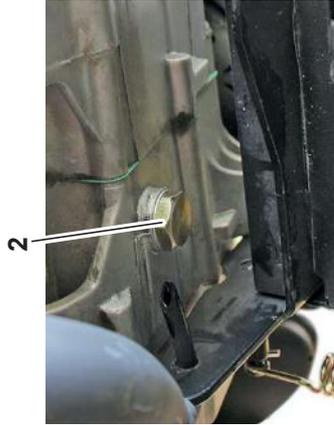
Be careful not to burn yourself with hot oil.

- Place the motorcycle on a level surface, in a vertical position raised on the central stand.
- Remove the oil dipstick (1).

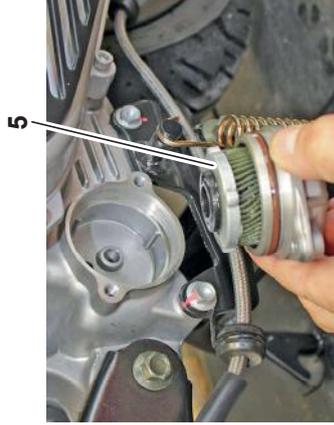




- Place a basin in correspondence with the drain plug (2).
- Unscrew the drain plug (2) and let all the oil drain.



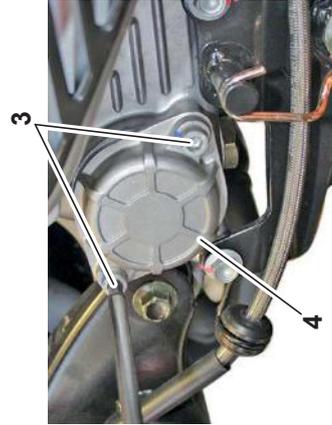
- Remove the filter (5) and check its condition, if necessary, replace it.



- Refit the filter (5) (pay attention to the direction of insertion)



- Unscrew the two screws (3) and remove the cover (4).



- Refit the drain plug (2) replacing the sealing washer (6).

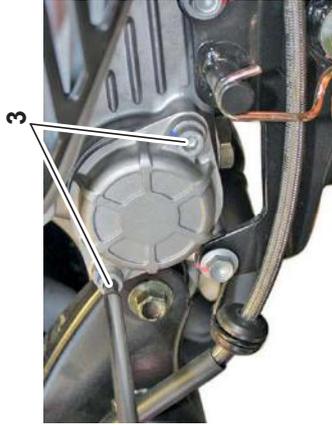


- Refit the cover (4) checking the gasket (7), replace if damaged.

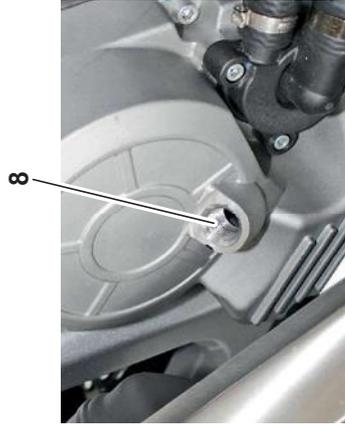




- Screw in the screws (3).



- Pour about 0.9 kg of oil into the oil tank through the hole (8).



- Reassemble the dipstick (1) by screwing it.

**NOTE:** For the type of oil to use, see the "Refueling" paragraph.

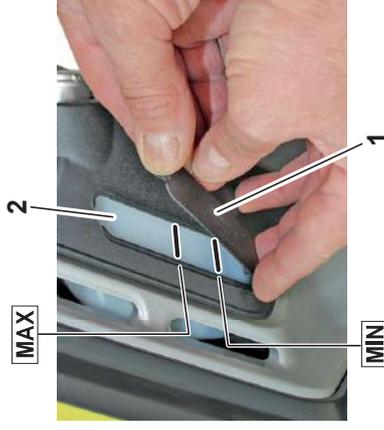
**NOTE:** Clean any oil spilled on the parts with a rag after the engine and the exhaust system have cooled down.

- Start the engine and let it idle for several minutes, checking that there are no oil leaks. If there is an oil leak, stop the engine immediately and look for the cause.
- Turn off the engine, check the oil level and correct it if necessary.
- Reset the maintenance interval as described in the "Digital instrument" paragraph.

### 5.1.1.d Check the coolant level

**NOTE:** Check the coolant level with a cold engine.

- Place the motorcycle on a level surface, in a vertical position raised on the central stand.
- Remove the cover (1) of the expansion tank (2).



- Check that the liquid level is between the minimum "MIN" level and the maximum "MAX" level of the tank.



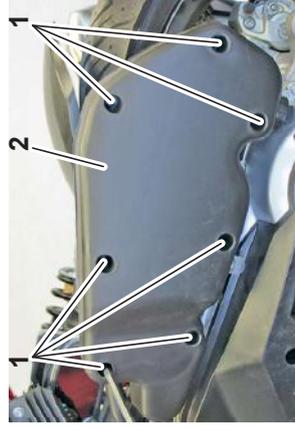
- If it is necessary to top up, remove the tank cap (3) by unscrewing it and introduce the coolant from the hole (4) checking the level on the tank (2).
- Once the level has been restored, refit the cap (3) and the cover (1).

**NOTE:** The coolant is corrosive, if a little is spilled during topping up, carefully clean the parts that have been in contact with water.



### 5.1.e Cleaning the engine air filter

- Unscrew the screws (1) and remove the cover (2).



- Remove the filter (3) from the filter cover (2).



- Clean the filter (2) with suitable filter cleaner and let it dry completely.

### **⚠ WARNING**

**Do not use petrol or other flammable solvents to clean the filter.**

- Check that the filter is not worn or damaged, replace it if necessary.
- Apply specific oil for filters on the entire surface of the filter (3) then squeeze it to remove excess oil.
- Refit the filter (3) on the cover and then replace the cover on the filter box.
- Check the condition of the gasket (4), replace if damaged.

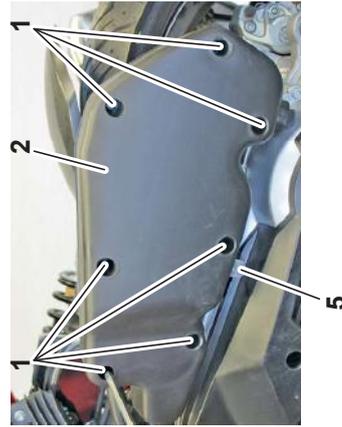




- Refit the filter cover (2) by tightening the screws (1).

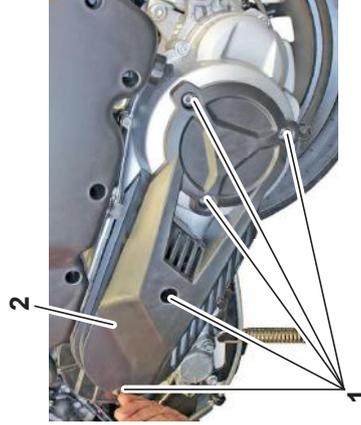


- Check that the breather (5) is not dirty, if you see any dirt, remove the breather, clean it, and reassemble it.

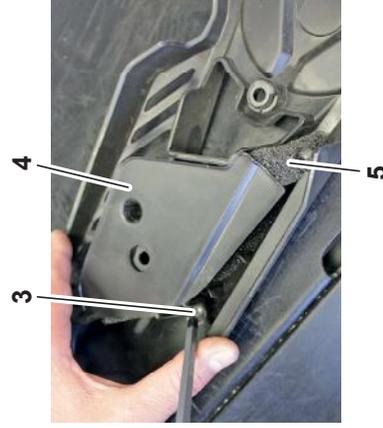


### 5.1.1.f Cleaning the transmission air filter

- Unscrew the screws (1) and remove the cover (2).



- Unscrew the screw (3) of the casing (4) that holds the filter (5) in position.

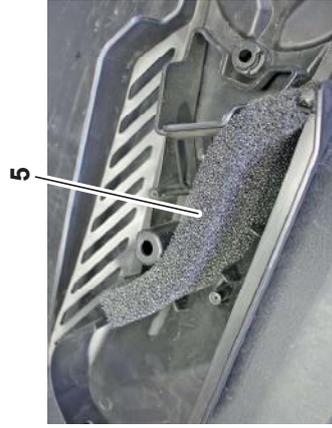


- Remove the filter (5) and clean it with suitable detergents.

**⚠ WARNING**

**Do not use petrol or other flammable solvents to clean the filter.**

- Check that the filter is not worn or damaged, replace it if necessary.
- Refit the filter (5) proceeding in the reverse order to disassembly.



### 5.1.g Spark plug check

**⚠ WARNING**

**Wait until the engine has cooled down before carrying out the check, danger of burns.**

The distance between the spark plug electrodes (1) must be  $0.6 \div 0.7$  mm. A different distance can cause the motorcycle to malfunction.

- Remove the cap (1).
- Using the appropriate key, remove the spark plug (2).



### 5.1.h Check tires and relative pressure

It is essential to always keep your tires in good condition and replace them at the proper intervals with tires according to specification. Always check and, if necessary, adjust the tire pressure before setting off.

**⚠ WARNING**

**Using the motorcycle with an incorrect tire pressure can cause serious injury or death as a result of loss of control.**

- Check and adjust the tire pressure when cold (ie when the tire temperature equals the ambient temperature).
- The tire pressure must be adjusted according to the total weight of the rider, passenger, load and accessories approved for this model.

### 5.1.i Tire check

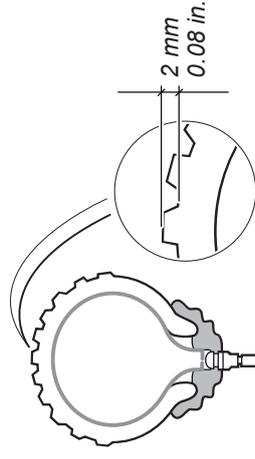
This motorcycle is equipped with tubeless tires.

- Check the condition of the tires, they must not have cracks, abrasions, etc., also check the wear of the tread using the special indicators on the tire itself.

#### MINIMUM HEIGHT OF THE TREAD

FRONT	2 mm (0.08 in)
REAR	2 mm (0.08 in)

- Check the pressure according to the indications given in the technical data paragraph.



### **⚠ WARNING**

**The front and rear tires must be of the same make and model, using different types of tires between the front and rear wheels compromise the stability of the motorcycle and its maneuverability.**

**NOTE:** Tires age even if they are not visually worn; lateral cracks or deformations of the casing are a sign of aging. Have the tires checked by a tire dealer before using the motorcycle.

#### Cold tire pressure:

##### 1 person:

Front: 190 kPa (1.9 Kgf/cm<sup>2</sup>, 28 psi)

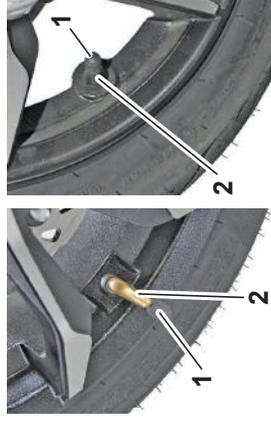
Rear: 200 kPa (2.00 kgf/cm<sup>2</sup>, 29 psi)

##### 2 people:

Front: 210 kPa (2.10 kgf/cm<sup>2</sup>, 30 psi)

Rear: 250 kPa (2.50 kgf/cm<sup>2</sup>, 36 psi)

- To adjust the pressure, remove the cap (1) and connect the pressure gauge to the valve (2).



**⚠ WARNING**

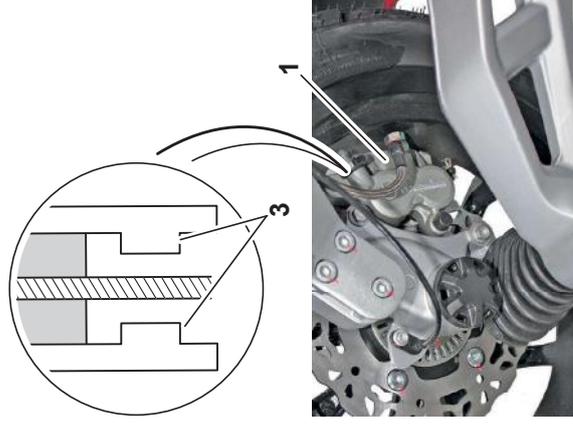
- **Replace excessively worn tires by a tire dealer. Using the vehicle with excessively worn tires reduces driving stability and can cause loss of control of the vehicle.**
- **Ride at moderate speed after changing a tire, to allow the surface of the tire to “break in”, so that it can develop its characteristics to the fullest.**

*NOTE: When replacing a tire, it is necessary to balance the wheel.*

Before each use, always check the rims for cracks, bends, deformations, or other damage. If any damage is found, have the wheel replaced. Don't try to do even the slightest repair on a wheel. In case of deformation or cracks, the wheel must be replaced.

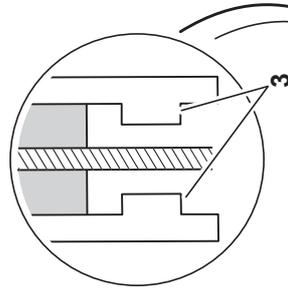
**5.1.1 Check the wear of the brake pads**

Check the wear of the front brake pads (1) and rear brake pads (2).





- The pads are equipped with a wear indicator (3). To check the pad wear, check the position of the wear indicator (3) while applying the brake. If a pad has worn to the point that the wear indicator almost touches the brake disc, replace the pads in pairs.



**⚠ WARNING**

To replace the brake pads, it is necessary to contact an *Itajet* dealer.

**⚠ WARNING**

After replacing the brake pads, it is necessary to drive carefully, braking gradually to allow the pads to settle correctly / couple with the relative discs.



### 5.1.m Front / rear brake fluid level check

- Position the motorcycle so that the upper part of the brake reservoir is parallel to the ground.
- The fluid level in the pump tank must be in the center of the rim (1).

Any lowering of the fluid level can allow air to enter the system with consequent lengthening of the stroke of the lever; if it is necessary to top up, contact your **Italjet** dealer.

### **⚠ WARNING**

If the brake lever is too “soft”, there is air in the pipe or a system defect. As it is dangerous to ride the motorcycle in these conditions, have the braking system checked immediately by your **Italjet** dealer.

### **ATTENTION**

Do not pour brake fluid on plastic parts and lenses (i.e. headlights)

### **⚠ WARNING**

Do not mix two different types of fluid. If you choose to use a different brand of fluid, eliminate the existing one.

### **⚠ WARNING**

Brake fluid can cause irritation. Avoid contact with skin and eyes. In case of contact, completely clean the affected area and, if it is the eyes, call a doctor.



### **⚠ WARNING**

- Use only the brake fluid prescribed according to specification; otherwise, the rubber seals may deteriorate, causing leaks.
- Top up with the same type of brake fluid. The addition of a brake fluid other than DOT 4 can cause a harmful chemical reaction.
- Avoid water or dust infiltration into the brake fluid reservoir during refueling. Water causes a significant reduction in the boiling point of the liquid and can cause “vapor lock”, and dirt can clog the valves of the ABS hydraulic unit.

### **⚠ WARNING**

**Brake fluid can damage painted surfaces or plastic parts. Always clean up any spilled liquid immediately.**

As the brake pads wear out, it is normal for the brake fluid level to gradually go down. If the brake fluid level is low, it is possible that the brake pads are worn and / or that there is a leak in the brake circuit; therefore, be sure to check the wear level of the brake pads and the presence of leaks in the brake circuit.  
If the brake fluid level drops suddenly, have the vehicle checked by an *Italfjet* dealer before continuing to use it.

## **5.1.n Changing the brake fluid**

Have an *Italfjet* dealer change the brake fluid every 2 years. Also, have the seals of the master cylinders and brake calipers, as well as the brake hoses, replaced at the intervals listed below or sooner if they are damaged or leaking.

- Brake seals: every 2 years
- Brake hoses: every 4 years

## **5.1.o Checking the V-belt**

The V-belt must be checked and / or replaced by an *Italfjet* dealer at the intervals specified in the periodic maintenance chart.

### 5.1.p Checking and lubricating the center stand and side stand (optional)

Periodically, always check the operation of the central stand and side stand and lubricate the guide pins (1) and metal-to-metal contact surfaces if necessary.

#### **⚠ WARNING**

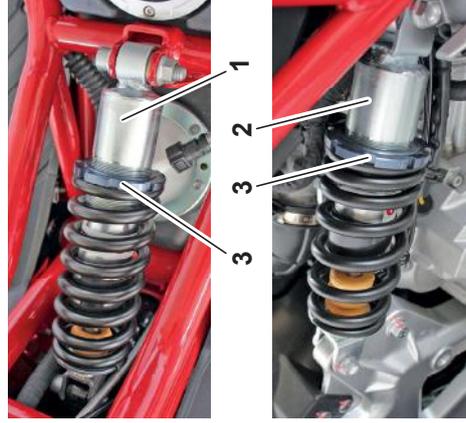
**If the central stand or side stand does not raise or lower easily, have it checked or repaired by an *Italjet* dealer.**



### 5.1.q Shock absorber spring preload adjustment

The front (1) and rear (2) shock absorbers can adjust the spring preload; to adjust, use the ring nut (3), screwing it increases the preload, vice versa it decreases.

By screwing the ring nut, the spring is compressed and therefore a stiffer damping action is obtained. Unscrewing the ring nut releases the spring and therefore you will have a softer shock absorbing action.

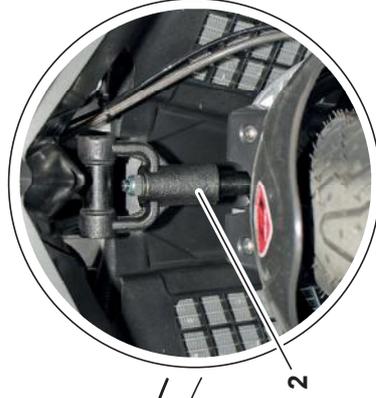




### 5.1.r Front steering column check

Periodically, any play in the steering column should be checked.

- Place the motorcycle on the central stand, one person must hold the motorcycle handlebar so that it is stable, and another person must move the wheel (1) in the direction of the arrow "A" and in the direction of the arrow "B".



If excessive play is found, contact an **Italjet** dealer to check the steering movement (2).

### 5.1.s Checking and charging the battery

To access the battery compartment, proceed as follows:

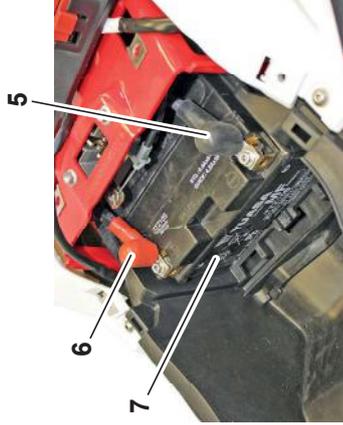
- Lift the saddle as described in the relative paragraph.
- Unscrew the two screws (1) and remove the passenger seat (2).



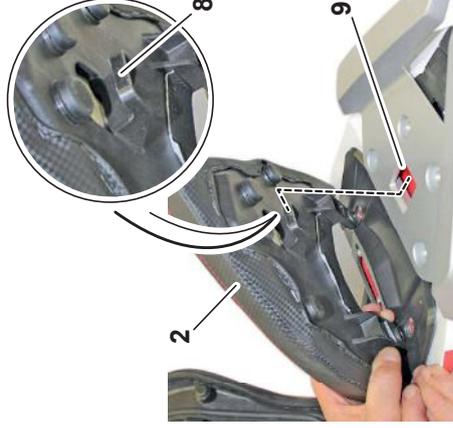
- Unscrew the two screws (3) and remove the casing (4).



- First remove the BLACK negative cable (5) then the RED positive cable (6) (when reassembling, connect the RED positive cable first, then the BLACK negative one).
- Remove the battery (7) from its housing.



- Using a constant voltage battery charger, first connect the RED positive cable to the positive terminal of the battery then the BLACK negative one to the negative terminal of the same.
- Always check the state of charge of the battery before reinstalling it on the vehicle.  
The battery must be kept clean, and the terminals greased.
- Reassemble everything by proceeding in the reverse order to disassembly, taking care to fit the hook (8) of the passenger seat into the seat (9) of the support.



- Verify, with the help of a voltmeter, that the voltage of the same is not less than 12.5V. If not, the battery needs a recharge cycle.

## **⚠ DANGER**

The battery contains sulfuric acid. Avoid contact with skin, eyes, and clothing.

### **REMEDIES:**

#### **CONTACT WITH THE SKIN**

Rinse thoroughly with water.

#### **INGESTION:**

Drink large quantities of water and milk.

Call a doctor right away. Do not induce vomiting.

#### **EYE CONTACT**

Rinse with water for at least 15 minutes and call a doctor.

## **ATTENTION**

If the battery is not in use, it must in any case be recharged with a slow charge cycle (0.6 A for 8 hours for 12V-6Ah battery) at least every 3 weeks.

## **⚠ WARNING**

Batteries produce explosive gases, ventilate the room when charging the battery indoors. When using a battery charger, connect the battery to the charger before turning it on. This practice avoids the formation of sparks at the battery terminals which could ignite the gases contained in the battery.

### **5.1.t Checking / replacing the fuses**

The motorcycle is equipped with two fuse boxes, one located under the seat, and one located under the front panel.

### **Fuses under the seat**

- Lift the saddle to access the fuse box (1).

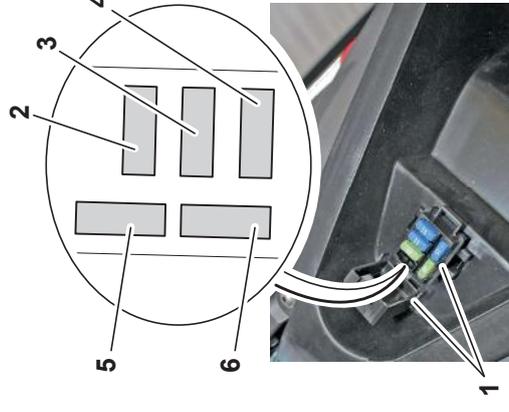
Fuse 2 (15 A) = ABS motor

Fuse 3 (15 A) = ABS valve

Fuse 4 (20 A) = Positive, instrument panel, voltage regulator, injection

Fuse 5 (20 A) = Spare fuse

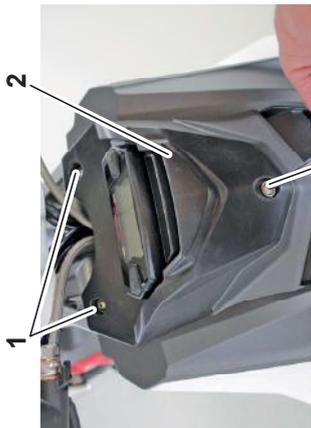
Fuse 6 (15 A) = Spare fuse



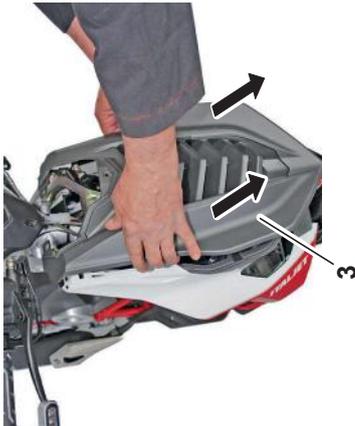


**Fuses under the front panel**

- Unscrew the screws (1) and remove the upper panel (2).

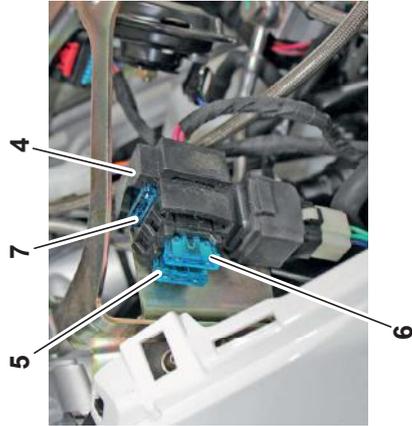


- Take the panel (3) with both hands and pull it outwards until it is released from the support.



- The fuse box (4) is located in the upper right part of the motorcycle.

- Fuse 5 (15A)** = Lights, license plate light, direction indicator relay, horn
- Fuse 6 (15A)** = Injection, starter motor
- Fuse 7 (15A)** = Spare fuse



- Slightly pull the panel (3) outwards to release it from the top.

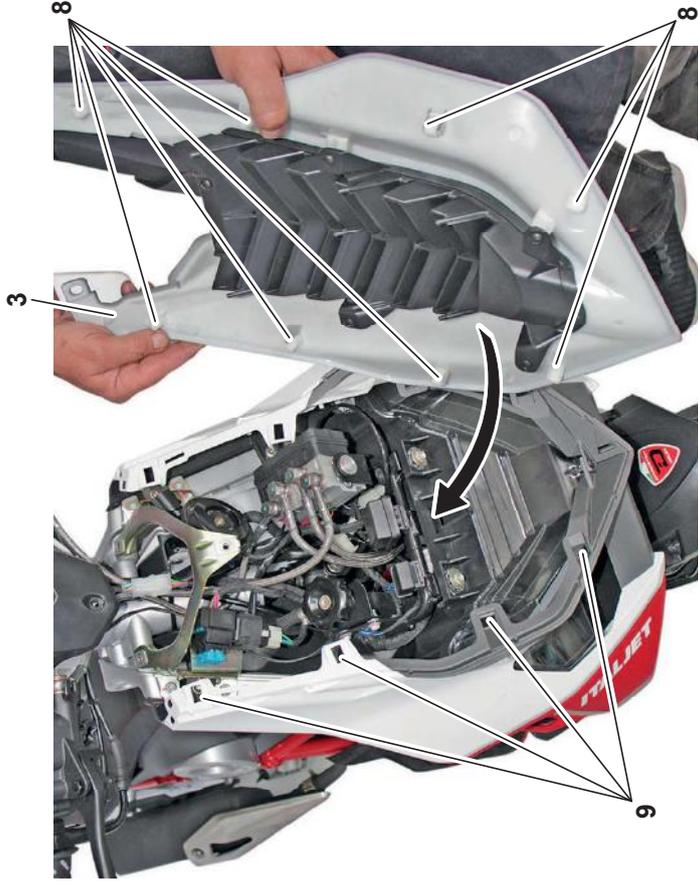




- Reassemble everything proceeding in the reverse order to disassembly, taking care to fit the stops (8) of the panel (3) in their seats (9).

### **ATTENTION**

**Do not use a fuse with a higher amperage than the original one, it could cause damage to the electrical system and possible fire.**



### 5.1.u Lighting control

#### **Front light beam control**

- To check if the light is oriented correctly, place the motorcycle, with the tires inflated to the right pressure and with a person sitting in the saddle, perfectly perpendicular to its longitudinal axis.
- In front of a wall or a screen, 10 meters away from it, draw a horizontal line corresponding to the height of the center of the light and a vertical line in line with the longitudinal axis of the vehicle.

- Carry out the check, if possible, in dim light.
- By turning on the high beam, the upper limit of demarcation between the dark area and the illuminated area must be at a height not exceeding 9/10 of the height from the ground of the center of the projector.
- To carry out the correct adjustment, go to an *Italjet* dealer.

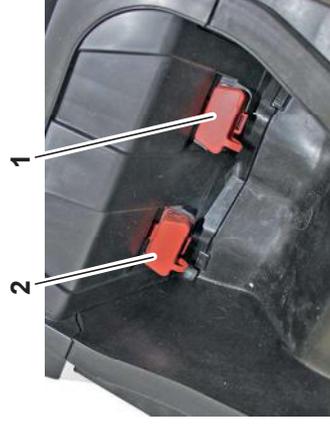
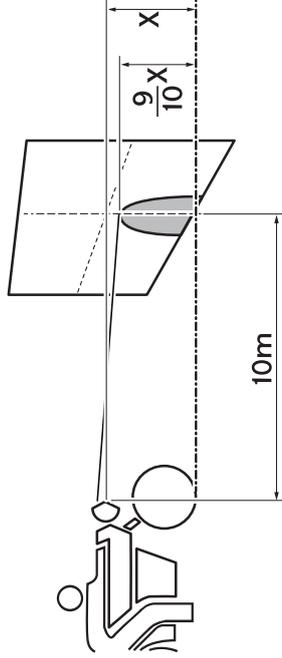
#### **Lights and direction indicators**

- The motorcycle is equipped with LED lights and indicators, if a light does not work it must be replaced by going to the *Italjet* dealer.

#### **Diagnostic connectors**

Lift the saddle to access the Diagnostic Connectors (1)(2).

Connector (1) = ABS control unit  
Connector (2) = Engine control unit





## 6.1 MOTORCYCLE CARE AND STORAGE

### 6.1.a Care

Frequent and thorough cleaning of the vehicle, in addition to improving its appearance, will also improve its overall performance and extend the useful life of many components. In addition, washing, cleaning and polishing will allow you to inspect the condition of the vehicle more frequently. Wash the vehicle after using it in the rain or near the sea, as the salt is corrosive to metals.

**NOTE:** Roads in areas prone to heavy snow can be sprinkled with salt to prevent them from freezing. This salt can remain on the roads until late spring, so wash the underside and chassis components after using the vehicle in such areas.

### WARNING

Inadequate cleaning can cause aesthetic and mechanical damage. Do not use:

- High pressure cleaners or steam jet cleaners. Excessive water pressure could cause water penetration and deterioration of wheel bearings, brakes, transmission seals and electrical devices.
- Aggressive chemicals, abrasive cleaning agents or wax on components with a satin finish. Brushes can scratch and damage the satin finish; use only soft sponges or towels.

- Towels, sponges, or brushes contaminated with abrasive cleaning products or aggressive chemicals, such as solvents, petrol, rust inhibitors, brake fluid, antifreeze, etc.



## 6.1.b Washing

### Before

1. Park the motorcycle out of direct sunlight and allow it to cool. This will prevent limescale stains from forming.
2. Check that all plugs, covers, connectors and electrical connection elements are properly installed.
3. Be careful not to let water penetrate inside the silencer.
4. Remove Road dirt and oil stains with a quality degreasing agent and a brush with plastic bristles or a sponge.

### During

1. Rinse away any traces of degreaser using running water. Avoid spraying water directly into the muffler, on the instrument panel, in the air inlet or inside other internal areas, such as the storage compartments under the saddle.
2. Wash the motorcycle with a quality car cleaner mixed with fresh water and a soft sponge. Use a used toothbrush or a brush with plastic bristles to clean hard-to-reach places.

### ATTENTION

If the motorcycle has been exposed to salt, use cold water. Hot water will increase the corrosive properties of the salt.

3. Rinse well with clean water. Remove all detergent residues; could be harmful to plastic components.

### After

1. Dry the motorcycle completely.
2. Polish the chrome, aluminum and stainless-steel surfaces with a specific product.
3. Apply anti-corrosion spray to all metal components, including chrome or nickel-plated surfaces.

### ⚠ WARNING

Do not apply silicone or oil-based sprays to the saddles, grips, rubber footrest brackets, brake discs or tire treads. Otherwise, the components will become slippery, which could cause you to lose control of the vehicle. Thoroughly clean the surfaces of these components before using the vehicle.

4. Treat rubber, vinyl, and unpainted plastic components with a suitable care product.
5. Spread a non-abrasive wax on all painted surfaces.
6. After cleaning, start the engine and let it run at idle for a few minutes to dry the residual moisture.
7. Allow the vehicle to dry completely before storing or covering it.

### **⚠ WARNING**

**Foreign matter left on the brakes or tires can cause you to lose control of the vehicle.**

- **Make sure there is no lubricant or wax on the brakes or tires.**
- **If necessary, wash the tires with warm water and a neutral detergent.**
- **If necessary, clean the brake discs and pads with a special spray cleaner.**
- **After washing the motorcycle, test the efficiency of the brakes.**

### **6.1.c Storage**

Always store the vehicle in a cool, dry place. If necessary, protect it from dust by covering it with a permeable sheet.

Make sure that the engine and the exhaust system have cooled down before covering the motorcycle.

### **ATTENTION**

**To prevent corrosion, avoid damp basements, animal shelters (due to the presence of ammonia) and environments where strong chemicals are stored.**

#### 6.1.d Prolonged storage

Before storing the vehicle for an extended period (60 days or more) do the following:

1. Carry out maintenance work.
2. Clean the motorcycle.
3. Fill the fuel tank by adding fuel stabilizer according to the product instructions.  
Run the engine for 5 minutes to distribute the treated fuel throughout the fuel system.
4. Lubricate the sidestand (if equipped) and the centerstand.
5. Check and restore the tire pressure and then raise the vehicle so that the wheels are off the ground.
6. Cover the drain with a plastic bag to prevent moisture from entering.
7. Remove the battery and fully charge it or connect a maintainer charger to maintain optimal battery charge.

### ATTENTION

**Check that the battery and its charger are compatible.**

**NOTE:** *If the battery will be removed, charge it once a month and store it in a temperate place where the temperature is 0-30 ° C (32-90 ° F).*



## 7.1 TECHNICAL DATA

Maximum length	1890 mm
Maximum width	750 mm
Max height	1075 mm
Seat height	770 mm
Wheelbase	1350 mm
Minimum height from the ground	130 mm
Curb weight (empty weight)	140 kg
Maximum vehicle load (driver + passenger + luggage)	295kg
Full speed	96/108 km/h (125/200)
Motor oil	1000 cm <sup>3</sup> (First filling) 950 cm <sup>3</sup> (Replace engine oil & filter) 900 cm <sup>3</sup> (Only change engine oil)
Transmission oil	130cm <sup>3</sup>
Refrigerant	1.15 l (50% water + 50% ethylene glycol antifreeze liquid)
Seats	2
Gear Box	CVT
Transmission	Speed reducer and belt
Frame type	High resistance tubular steel frame, single front beam, double rear overlapping cradle.
Steering angle	27.5°

>>>>>

	Independent Steering System
Front suspension	
Front suspension travel	33mm
Rear suspension	Mono Shock Absorber
Rear suspension travel	47 mm
Front disk	Ø 200 mm disc brake with hydraulic transmission
Rear disk	Ø 190mm disc brake with hydraulic transmission
Wheel rims	Light alloy rims
Front wheel rim	MT 3.50 x 12"
Rear wheel rim	MT 4.00 x 13"
Type of tire	Without inner tube (Tubeless)
Front tire	120/70 - 12" 51 P
Rear tire	140/60-13" M/C 63P(140/70-13" M/C 61 P)
Standard front tire inflation pressure	190 kPa (1.9 bar)
Standard rear tire inflation pressure	200 kPa (2.0 bar)
Standard front tire inflation pressure with passenger	210 kPa (2.1 bar)
Standard rear tire inflation pressure with passenger	250 kPa (2.5 bar)
Battery	12V - 10 Ah
Fuses	20 - 15 - 15 - 15 - 15 - 10 A
Alternator (permanent magnet type)	12 V - 330W a 8000 rpm



### Engine technical data (200CC)

Model engine	ARR
Engine type	Single cylinder, 4 stroke, 4 valve, forced wet lubrication system, double overhead camshaft.
Net power max.	12.9 kW (8000 r/min)
Max.torque	15.5 N•m (7750 r/min)
Displacement	181 cc
Bore / stroke	63 mm x 58 mm
Compression ratio	11.6 ± 0.5 : 1
Starting	Electric
Idle	1800 ± 10% rpm
Clutch	Automatic centrifugal dry clutch
Gear Box	Automatic
Cooling	Liquid cooling system with radiator and electric fan
Injection	Electronic injection
Throttle body diffuser	Ø 32 mm
Fuel	Super unleaded petrol, minimum octane number of 95 (NORM) and 85 (NOMM)
Ignition type	Electronic
Spark plug	NGK PMR9B

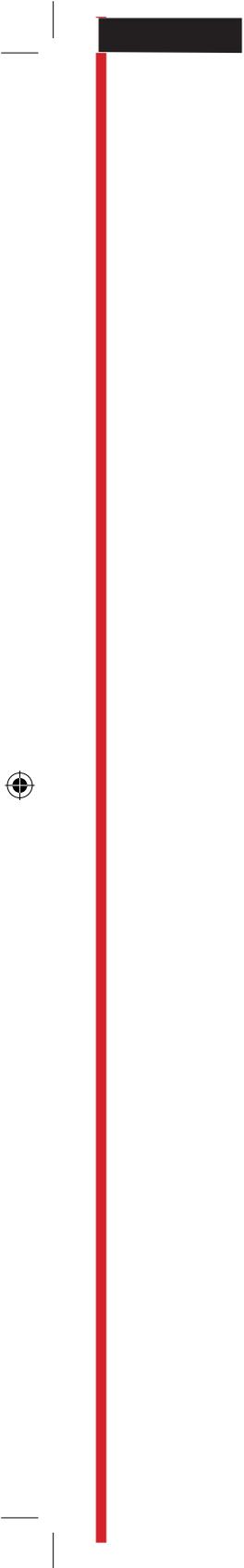
### Engine technical data (125CC)

Model engine	APR
Engine type	Single cylinder, 4 stroke, 4 valve, forced wet lubrication system, double overhead camshaft.
Net power max.	9.2kW (9500 r/min)
Max.torque	10.5 N•m (7750 r/min)
Displacement	124 cc
Bore / stroke	58mm x 47 mm
Compression ratio	12.0 ± 0.5 : 1
Starting	Electric
Idle	1900 ± 10% rpm
Clutch	Automatic centrifugal dry clutch
Gear Box	Automatic
Cooling	Liquid cooling system with radiator and electric fan
Injection	Electronic injection
Throttle body diffuser	Ø 28 mm
Fuel	Super unleaded petrol, minimum octane number of 95 (NORM) and 85 (NOMM)
Ignition type	Electronic
Spark plug	NGK PMR9B



## 8.1 PRODUCTS TABLE RECOMMENDED

<i>Product</i>	<i>Description</i>	<i>Characteristics</i>
API SG 10W-40 motorcycle oil	Motor oil	API SG 10W-40
Gear oil for motorcycles 75W-80	Gear oil	API GL4, GL5
L-XCDBB2 lubricant	Lithium grease with molybdenum for bearings and other points that require lubrication	NLGI 2
Brake Fluid DOT4	Brake fluid	FMVSS DOT4
Engine Coolant FD-2B	Coolant	Anti-freeze protection down to -40 ° C. Complies with the CUNA 956-16 standard.
Lubricant / Engine oil 5W-30	Air filter sponge oil	-
NEUTRAL OR PETROLATED GRE-ASE	Battery poles	-



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## **9.1 GUARANTEE AND SERVICE BOOK**

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### 9.1.a The content of the guarantee

Your new motorcycle is guaranteed free from original defects in accordance with **Directive 99/44 EC**.

The guarantee consists in the free replacement or repair of the vehicle or of components that show, within the term, manufacturing defects or, in any case, defects pre-existing upon delivery of the vehicle.

The warranty is only valid if your vehicle has followed the recommended maintenance schedule and all coupons have been properly stamped.

We remind you that the warranty does not apply in the case of use of the vehicle in motorcycle competitions, as it is a different use and not compatible with the use for which your vehicle was specifically designed.

Remember that, as required by law, this guarantee is provided directly by your **Italjet** Dealer, to whom we invite you to contact for any need.

If your **Italjet** Dealer cannot satisfy your requests within a reasonable time or this is more convenient for you, we invite you to contact any other **Italjet** Dealer, who will be happy to be at your service.

### 9.1.d Warranty conditions

#### Exclusions

The following are excluded from the guarantee:

- Deterioration resulting from failure to comply with the periodic maintenance plan prescribed by **Italjet**.
- Vehicles whose repairs have been carried out with spare parts that do not conform to the original.
- Vehicles for which the periodic maintenance plan has not been carried out or for which the coupons have not been duly stamped.
- Vehicles used for racing / rental / heavy off-road use.

#### Consumables and wear parts:

The warranty does not cover normal wear and tear caused using the vehicle for the following parts:

- Spark plugs.
- Distribution chain.
- Brake pads and disks.
- Clutch disks and masses.
- Tires.
- Lamps and fuses.
- Transmission and control cables.
- Tubes and all other rubber parts.
- Bearings.
- Air and petrol filter.
- Secondary transmission chain and gears.

### 9.1.b Battery activation

Your vehicle is covered by a guarantee against original defects from the moment it is delivered to you by your **Italjet** Dealer.

When you receive your **Italjet** vehicle, we invite you to sign, together with the Dealer, the Vehicle Delivery Certificate found in this manual.

#### 9.1.c What to do in the event of a warranty claim

If, during the warranty period, your vehicle requires an extraordinary repair and / or replacement due to an original defect, we advise you to immediately contact the Dealer where you purchased the vehicle (your Dealer) describing it the problem occurred and having him examine the vehicle. If the intervention is made necessary by the occurrence of an original defect, your Dealer will carry out the necessary repair or replacement free of charge in the shortest possible time.



#### Lubricants

The warranty does not cover liquids: oil, grease, battery acid and coolant.

#### Limitations

For all vehicles: the warranty of the BATTERY, the SEAT and the PLASTICS is limited to 6 months.

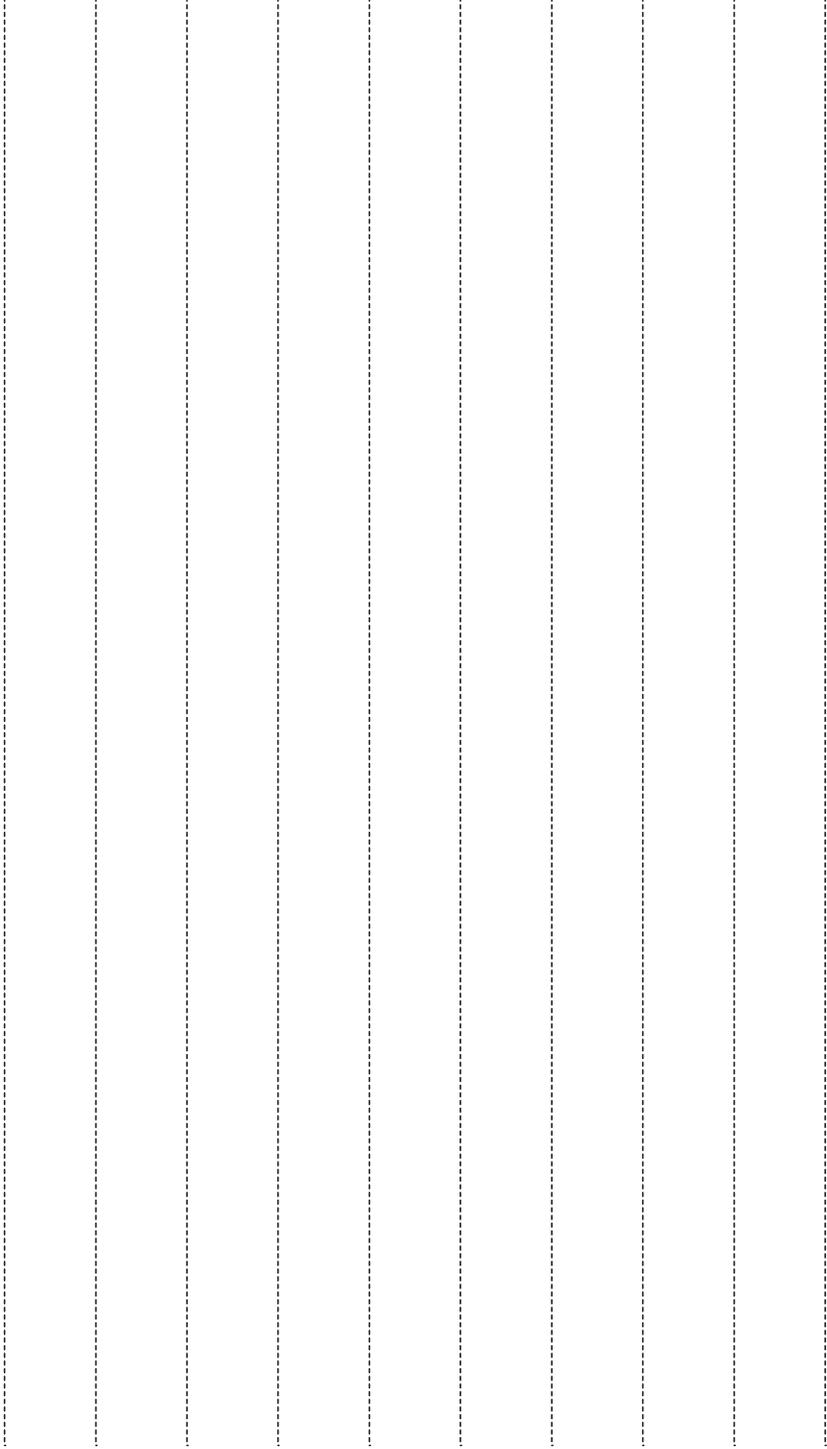
- The warranty does not cover maintenance and overhaul costs, nor the cost of the parts required for these operations.
- The guarantee does not cover the costs resulting from the guaranteed application such as: additional costs for communications, any room and board, or other derived costs such as compensation for lost time, commercial losses, replacement vehicle rental costs, transport.



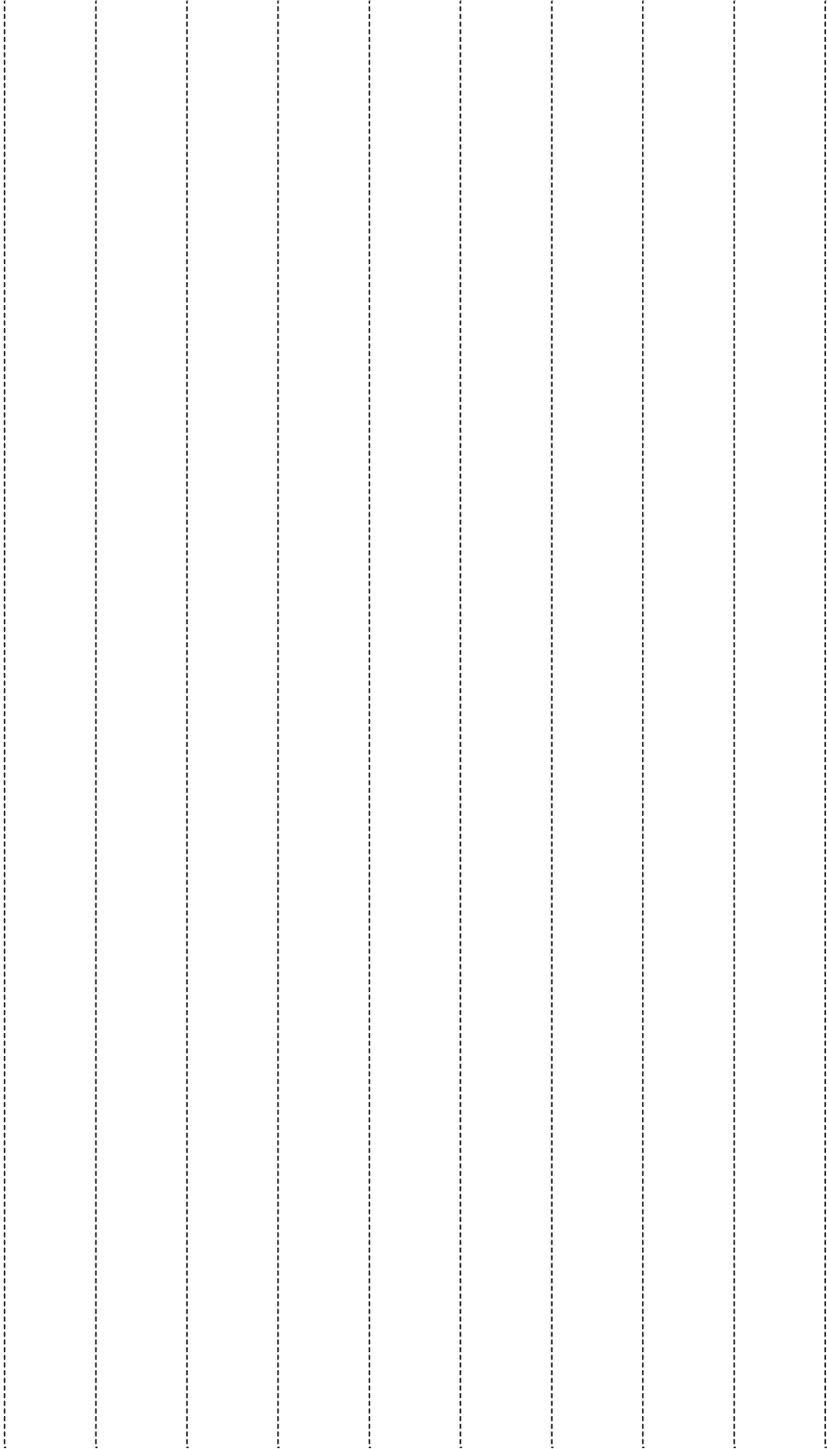
NOTE: important for the validity of the guarantee:

- The warranty booklet must be kept with care and must be presented to the official **Italjet** dealer at each intervention.
- The inspection coupons must be completed by the Dealer who carried out the intervention.
- The guarantee can be transferred to subsequent owners until it expires.
- In case of change of ownership, use the special coupon found in this booklet.
- The manufacturer reserves the right to make changes and / or improvements on all its models without the obligation to make these changes on vehicles already in circulation.

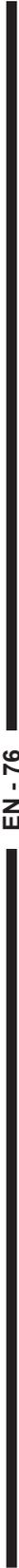




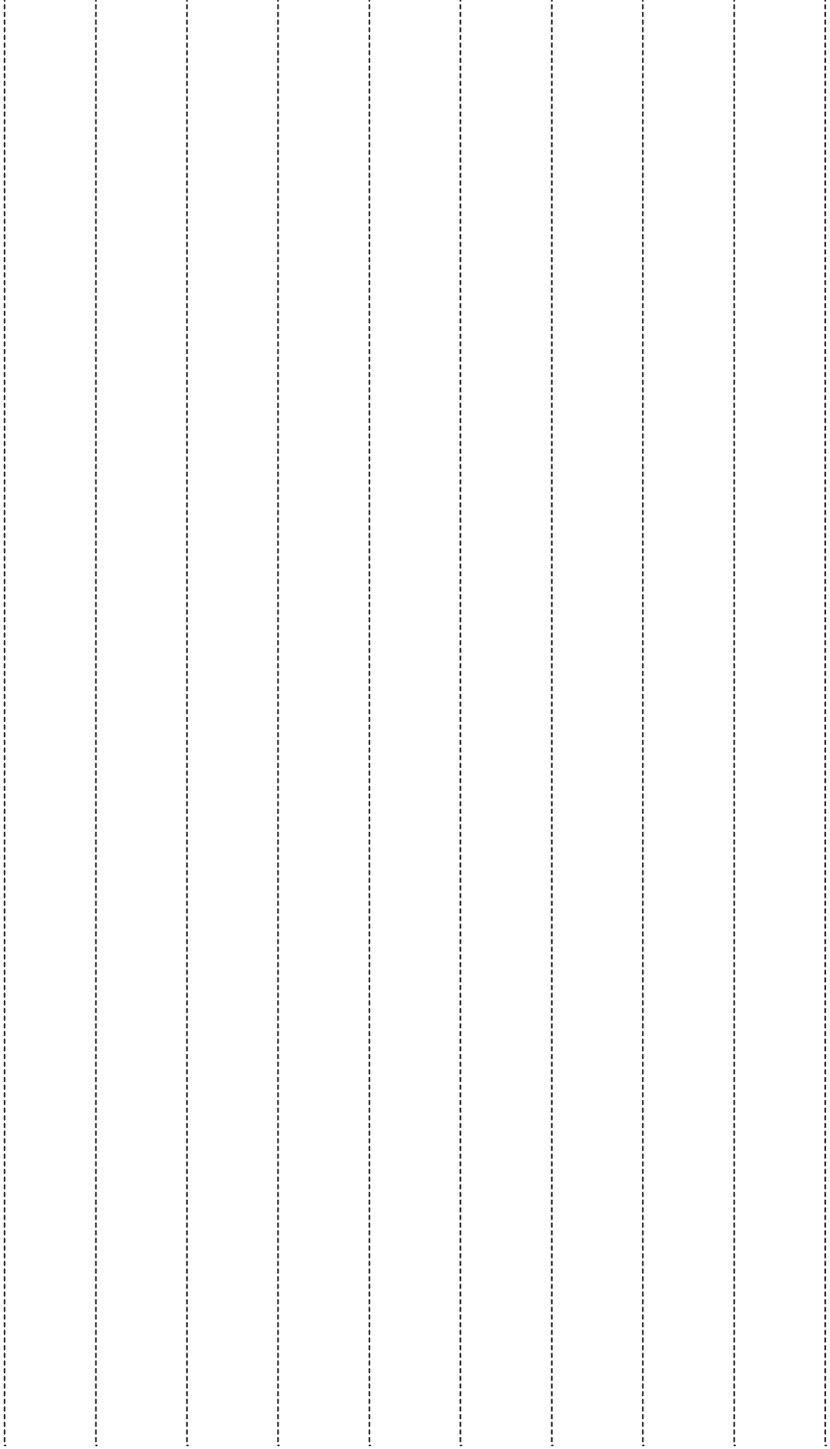




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Space for storing the tax documentation proving the execution of the scheduled maintenance coupons.

COUPON	<input type="text"/>	DATE	<input type="text"/>	Km	<input type="text"/>	Customer signature	<input type="text"/>	Dealer stamp	<input type="text"/>
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COUPON	<input type="text"/>	DATE	<input type="text"/>	Km	<input type="text"/>	Customer signature	<input type="text"/>	Dealer stamp	<input type="text"/>

FIX with a paper clip or a stapler the Fiscal Receipt or Receipt that certifies that the maintenance coupons have been carried out.

