

INTRODUCTION

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1.2. GENERAL RULES

1.2.1. BASIC SAFETY RULES

CARBON MONOXIDE

Should it be necessary to perform some operations with the vehicle running, make sure to work outdoors or in a well-aerated room.

Avoid starting the engine indoors.

In case you are working indoors, use a gas exhaust system.



DANGER

Exhaust gases contain carbon monoxide, which is extremely toxic if inhaled and may cause loss of consciousness or even lead to death.

FUEL



DANGER

The fuel used in internal combustion engines is highly flammable and can become explosive under particular conditions.

Refuelling and engine service should take place in a well-ventilated area with the engine stopped. Do not smoke when refuelling or in the proximity of sources of fuel vapours, avoid flames, sparks and any element that could ignite fuel or provoke explosions.

DO NOT DISPOSE OF FUEL IN THE ENVIRONMENT.

KEEP AWAY FROM CHILDREN.

HIGH-TEMPERATURE COMPONENTS

The engine and the components of the exhaust system become very hot and remain hot for some time after the engine has been stopped.

Before handling these components, wear insulating gloves or wait until the engine and the exhaust system have cooled down.

USED GEARBOX AND FORK FLUIDS



DANGER

Wear latex gloves when servicing.

Gear fluid may cause serious damage to the skin if handled daily and for long periods.

Wash your hands carefully after handling engine oil.

Take it to the filling station where you usually buy it or to an oil salvage centre.

Wear latex gloves when servicing.

DO NOT DISPOSE OF FLUID IN THE ENVIRONMENT

KEEP AWAY FROM CHILDREN.

BRAKE FLUID



WARNING

When handling the brake fluid, take care not to spill it on the plastic, rubber or painted parts, since it can damage them. When carrying out the maintenance operations on the braking system, use a clean cloth to cover these parts.

Always wear safety goggles when working on the braking system.

The brake fluid is highly irritant. Avoid contact with your eyes.

If the brake fluid gets in contact with your eyes, carefully wash them with fresh water and immediately seek medical advice.

KEEP AWAY FROM CHILDREN.

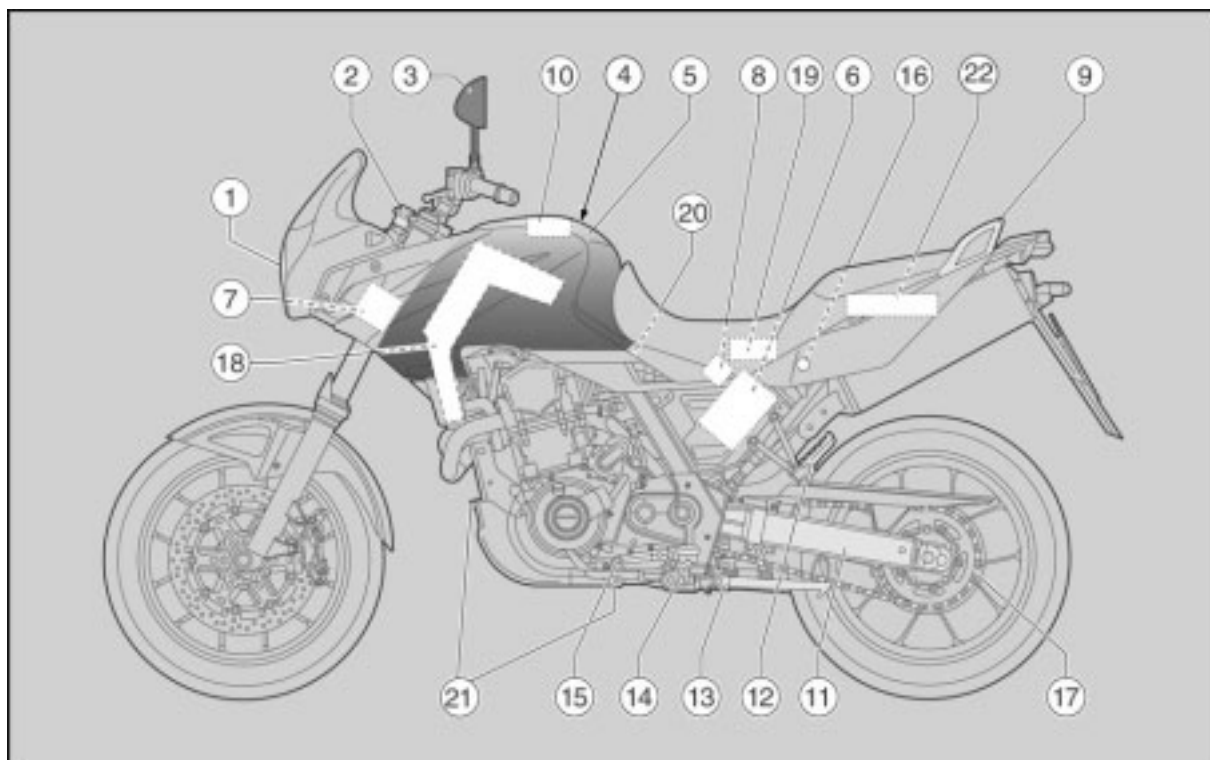
COOLANT

Coolant contains ethylene glycol that is flammable, under certain conditions. When ignited, ethylene glycol produces invisible flames that might cause burns.

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2.1.6. ARRANGEMENT OF THE ELEMENTS OF THE INSTRUMENT PANEL

**KEY - PEGASO 650**

1. Headlight
2. Ignition switch/steering lock
3. Left rear-view mirror
4. Fuel tank filler cap
5. Fuel tank
6. Battery
7. Electronic control unit
8. Fuse carrier
9. Passenger grab rail
10. Glove compartment
11. Swinging arm
12. Passenger left footrest (snapping, closed/open)
13. Side stand
14. Rider left footrest
15. Gear shift lever
16. Seat lock
17. Drive chain
18. Engine oil tank
19. Tool kit
20. Idle speed adjuster
21. Oil drain plugs
22. Underseat compartment

- **AIS solenoid**

The following message is displayed:

- Set the ENGINE-ON switch first to RUN and then to STOP.

The secondary air system solenoid valve will be activated for 5 times.

- **Injection relay**

The following message is displayed:

- Set the ENGINE-ON switch first to RUN and then to STOP.

The injection relay will be activated for 5 times.

- **Fans**

The following message is displayed:

- Set the ENGINE-ON switch first to RUN and then to STOP.

The fan piloting relay will be activated for 5 times.

- **Lights**

The following message is displayed:

- Set the ENGINE-ON switch first to RUN and then to STOP.

The lights relay will be activated for 5 times.

Memorisation of keys at first start-up

The customer will receive two keys fitted with transponder. Upon instrument panel first start-up, it should request key memorisation.

The display shows:

- Insert the **X** key.
- Memorised **X+1** key.

At least one key should be stored, then the procedure is ended if no further key is inserted within 20 seconds or in case power is missing or after the fourth key. All vehicle and instrument panel functions should be enabled (even with just one key stored).

Memorisation of new keys

In case one key is lost, the customer can disable the lost key or disable and completely change the set of keys by changing the complete ignition switch.

Diagnosis

The instrument panel should indicate the failure of the component controlling the immobilizer function, failure of the antenna and reading fault because of transponder with code not stored, in this case the access code is requested.

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- Tighten circuit filler plug (A).
- Release expansion tank plug and top up fluid in the expansion tank until level is between **MIN** and **MAX** notches.
- Tighten the expansion tank plug (B).
- Start the engine and let it idle for a few minutes, stop it and let it cool down.
- Check again fluid level in the expansion tank and top up if necessary.

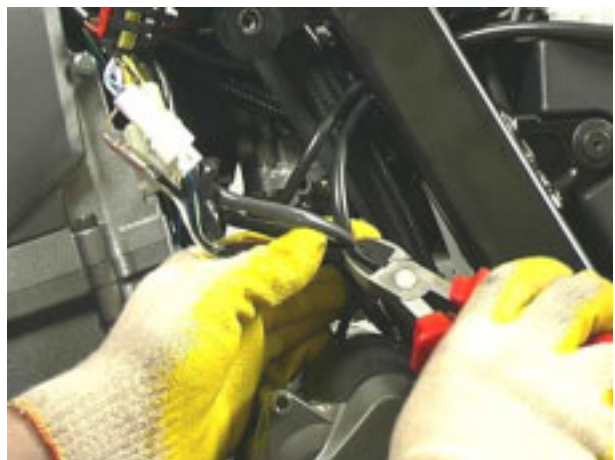
FUEL SYSTEM

3

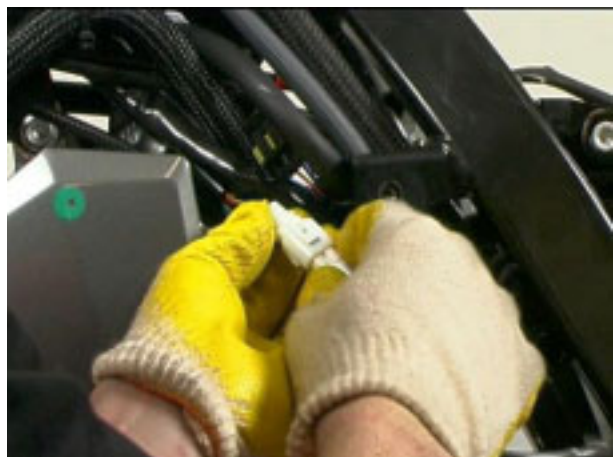
- Remove the clamp from “fuel vapour recycle” hose.



- Remove the tie from wiring.



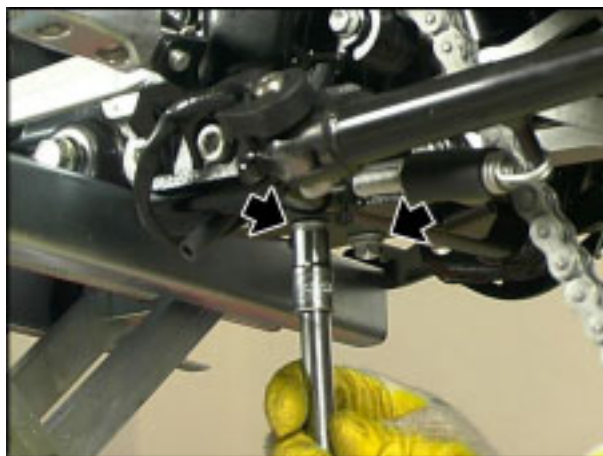
- Disconnect the speed sensor.



- Working on the right side, loosen and remove the top nut.
- Slide out the screw, on the opposite side.



- Loosen and remove the two lower screws, collect the washers.



- Loosen the ties and remove the intake manifold.

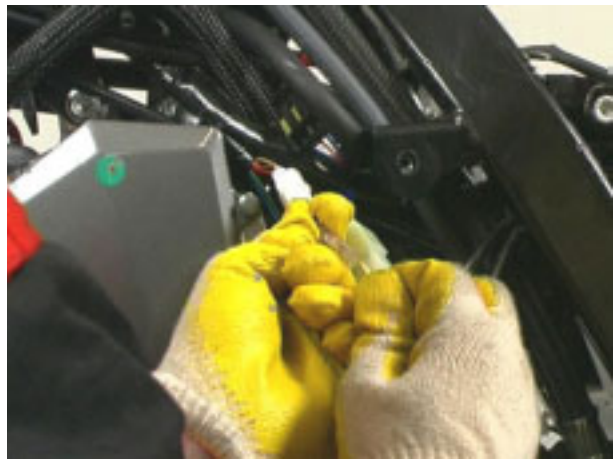


- Lower the engine.





- Connect the neutral sensor connector.



- Connect the speed sensor.
- Fit ties to the wiring.



- Refit the clamp to fuel vapour recycle hose.



- Working on either side, loosen and remove the top screw.



- Working on either side, loosen and remove the two rear bottom screws.



- Raise the rear fairing.



- Disconnect the seat release cable.
- Remove the rear fairing.



PEGASO 650

- Collect the spring.



- Drain oil in a container.

NOTE Pump the tube inside the stanchion to help oil drain out completely from the damper rod.

**FILLING UP:**

- Tighten the sleeve in a vice in vertical position.
- Pour oil in the tube.
- Pump with the stanchion, ensure that oil completely filled the damper rod.
- Install the spring, the washer and the spring preload spacer in this order.



- Tighten the top cap.



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