

**Vespa®**

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**WORKSHOP MANUAL**

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**633241**

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**Vespa PX 125 150 Euro 2**

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# WORKSHOP MANUAL

## Vespa PX 125 150 Euro 2

This manual has been prepared by Piaggio & C. S.p.A, for use in the workshops of authorized Piaggio-Gilera dealers and sub-agents. It is assumed that the person utilizing this manual for servicing or repairing Piaggio vehicles has knowledge of the principles of mechanics and standard procedures required for general vehicle repair. Any relevant changes concerning the vehicle characteristics or specific repair operations will be divulged in the form of updates to this manual. Satisfactory repair or service cannot be achieved without the necessary equipment and tools. Refer to the pages of this manual concerning specific tools and equipment and the special tools catalogue.

**N.B.** Provides key information to make the procedure easier to understand and carry out.

**CAUTION** Refers to specific procedures to carry out for preventing damages to the vehicle.

**WARNING** Refers to specific procedures to carry out to prevent injuries to the repairer.



**Personal safety** Failure to completely observe these instructions will result in serious risk of personal injury.



**Safeguarding the environment** Sections marked with this symbol indicate the correct use of the vehicle to prevent damaging the environment.



**Vehicle intactness** The incomplete or non-observance of these regulations leads to the risk of serious damage to the vehicle and sometimes even the invalidity of the guarantee.

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## Rules

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### Safety rules

- If work can only be done on the vehicle with the engine running, make sure that the premises are well-ventilated, using special extractors if necessary; never let the engine run in an enclosed area. Exhaust fumes are toxic.
- The battery electrolyte contains sulphuric acid. Protect your eyes, clothes and skin. Sulphuric acid is highly corrosive; in the event of contact with your eyes or skin, rinse thoroughly with abundant water and seek immediate medical attention.
- The battery produces hydrogen, a gas that can be highly explosive. Do not smoke and avoid sparks or flames near the battery, especially when charging it.
- Fuel is highly flammable and it can be explosive given some conditions. Do not smoke in the working area, and avoid naked flames or sparks.
- Clean the brake pads in a well-ventilated area, directing the jet of compressed air in such a way that you do not breathe in the dust produced by the wear of the friction material. Even though the latter contains no asbestos, inhaling dust is harmful.

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### Maintenance rules

- Use original PIAGGIO spare parts and lubricants recommended by the Manufacturer. Non-original or non-conforming spares may damage the vehicle.
- Use only the appropriate tools designed for this vehicle.
- Always use new gaskets, sealing rings and split pins upon refitting.
- After removal, clean the components using non-flammable or low flash-point solvents. Lubricate all the work surfaces, except tapered couplings, before refitting these parts.
- After refitting, make sure that all the components have been installed correctly and work properly.
- For removal, overhaul and refit operations use only tools with metric measures. Metric bolts, nuts and screws are not interchangeable with coupling members with English sizes. Using unsuitable coupling members and tools may damage the scooter.
- When carrying out maintenance operations on the vehicle that involve the electrical system, make sure the electric connections have been made properly, particularly the ground and battery connections.

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### Vehicle identification

#### VEHICLE IDENTIFICATION

Specification	Desc./Quantity
Frame prefix (125)	VNX2T
Engine prefix (125)	VNX1M
Frame prefix (150)	VLX1T

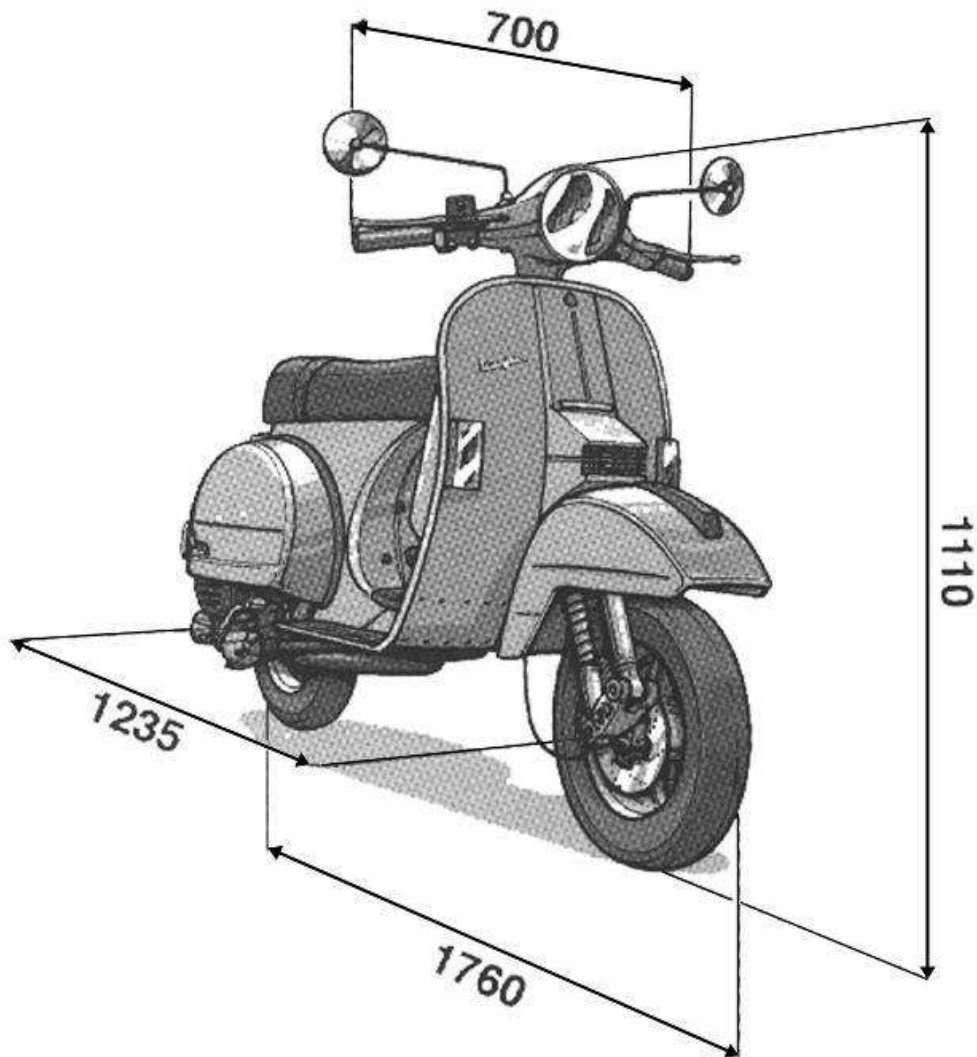
**Specification**  
Engine prefix (150)

**Desc./Quantity**  
VLX1M

**Dimensions and mass**

**WEIGHT AND DIMENSIONS**

Specification	Desc./Quantity
Empty weight	104 Kg
Wheelbase	1235 mm
Max height	1110 mm
Max length	1760 mm
Handlebars width	700 mm



**Engine**

**ENGINE**

**Specification**  
Engine type

**Desc./Quantity**  
2-stroke with rotary intake timing