

AIR FILTERS



It is lively recommended to carefully read this document in every part before beginning to work on the vehicle or the motor.

GENERAL INFORMATIONS

The air drawn up by engine through the airbox, the air filter's box, is used as burning, after that it was mixed carefully with fuel in order to produce power by combustion in the explosion chamber. Before arriving in this chamber, air passes through delicate areas of engine, in which there are some parts that can bear the presence of contaminating and abrasive particles that often have big dimensions.

Because of way that have to do, it is very important that the air, entering in engine, was cleaned and clered from dust and other solid particles that often have big dimensions.

In order to clean the air that passes through engine, it is fundamental the air filter's function. Its function is that to keep between its porosities the microparticles and the impurities present in air.

The air filter is lodged in a proper box in vehicle's frame and it has a external air inlet in order to catch the air and a flange or a mouth in order to link it to carburettor. The air filter is fixed inside of air filter's box by nuts or rapid jearkily fastening elements. The air filter is made with a special plastic material enduring fuels and permeable at air. The permeability at air is obtained by the open micro-cells structure of material that constitutes the air filter.

The filtrating capacity of air filter is connected with the dimensions of micro- cells air passages that are kept by air filter.

The correct choice of air filter is very important because an high filtrating capacity of air filter can penalize lightly the best performances of engine while a slow filtrating capacity can reduce the engine's duration.



Use the type of air filters defined from the applicability table that can be found in the catalogue, on the pages of Web Site, www.adler.it, or demand it by e-mail at the address adige@adler.it.

ASSEMBLING INSTRUCTIONS



The fitting and maintenance operations must be done exclusively by an authorized workshop.

The assembly of the air filter is generally an enough simple operation, it needs few minutes and it does not need of complex operations of preliminary disassembling.

The air filter's assembling and disassembling on the engine must be executed respecting all instructions and using all tools defined on the **Producer's Workshop Manual**.

The replacement of air filter in the proper box in the engine can need a new regulation of carburettor in according to the informations container in the air filter's box. The new regulation of carburettor need a very specific competence and it must be made by specialized staff.

A wrong regulation can cause serious problems of drive safety and excessive consumption of fuel.

If in the air filter's box are container some packings, they must be mounted in accordino to the specific instructions present in box. The bad keeping of air filter's packings can cause problems of drive safety and excessive consumption of fuel.

The air screws and fastening nuts of air filter in the air filter's box must be closed up clamping couple defined on the **Producer's Workshop Manual**. A wrong clamping couple of fastening nuts can cause serious problems of drive safety and excessive consumption of fuel.

Eventual screws or fastening nuts of air filter in bad conditions must be replaced with new same high quality products. The breakage or the unscrewing of the air filter's screws or fastening nuts can cause problems of drive safety, engine duration and fuel consumption.

The parts of air filter's box that have function of junction, like hoods or connections, and blocking, like screws or small bands, with carburettor that are in bad conditions must be replaced with new same high quality products. The brakage of junction's elements or the unscrewing of screw or fastening small bands between air filter's box and carburettor can cause problems of drive safety, engine duration and fuel consumption.

It is very important verify the conditions of air filter at regular intervals or, however, at evry engine or carburettor disaassembling. The presence of fissures and dirt in excessive quantity and, generally, the bad conditions of air filter can cause problems of drive safety, fuel consumption and engine duration.

For off-road using, it is advised to control and clean air filter at least every 1600 Km. In case of use in a very dusty ground, execute this operation below the indicated limit, at least every 800 Km.

For using on the road the cleaning and the control of air filter must checked monthly, or every 4000 Km, in according to use conditions; if the vehicle is used on dusty road the

operations of air filter's checking and cleaning will be executed more frequently.

For cleaning air filter it's advisable use specific liquids that it's possible buy in the specialized shops, paying attention to the instructions contained in their box. Generally, they aren't solvents inflammable e with a high point of volatility. After cleaning, it's important let dry completely air filter before mounting it in its lodging in air filter's box.

GENERAL CAUTIONS

Before starting any maintenance or servicing on the vehicle, always follow a few general rules.

Make sure that the working place is clean, well aerated and perfectly lit.

Always switch the engine off before starting to work on the vehicle. Particularly, the engine must be switched off when operating in closed places without any exhaust gas vent system.

Lift the vehicle with a suitable equipment above a flat hard floor.

Always work in a clean area, wearing working clothes and safety garments or devices as prescribed by law.

Keep off unauthorized persons, the young, particularly children.

Stop the engine, remove the key and wait for the engine and the exhaust system to cool to prevent burns. Pay attention to all engine or vehicle parts (i.e.: exhaust system, braking system) which may still be hot.

Pay the utmost attention to the presence of flames, heat sources or warm objects into the room: most of the liquids in the vehicle are generally highly inflammable.

Never swallow any vehicle or engine component or liquid. Particularly, liquids can be highly injurious or toxic.

Waste lubricant or components must be delivered only to the dedicated waste disposal centres; they must not be otherwise disposed of.

Always check that the packing is sealed and complete and there are no missing or damaged parts.

Always check the vehicle overall conditions before installing the air filters.

It is specially recommended to always follow the instructions carefully for safety reasons. Any and every liability for any damage or injury to persons and/or property arising out of a wrong or inaccurate installation is hereby rejected. An improper use or the modification of the air filters, a wrong installation or the installation not in compliance with the prescribed instructions will automatically invalidate any product warranty.

The air filters are vehicle components for which homologation may be required according to the relevant laws in force.

The air filters are vehicle component subject to the approval of the vehicle manufacturer.

After the installation of the air filters the vehicle might require a new homologation.

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