

NEW Vespa

MALOSS



VESPOWER For electrical ignition systems



While maintaining product versatility and therefore the possibility for installation on practically all vintage Vespa models, from the classic 50 Special and 125 ET3 to the more modern PX, **VESPower ignitions have been revised to guarantee even better reliability and performance, in addition to the possibility for installation on more modern models, equipped with electrical ignition systems.**

One of the most impressive innovations in the **VESPower** range is represented by the kit dedicated to "large frame" Vespas, equipped with electrical ignition systems. Our engineers have designed the ideal detachable sprocket-wheel, perfectly suited to these types of engines. This kit is also enriched by a brand new fan made from plastic, larger in size and featuring a completely redesigned blade profile, thanks to efficient computational fluid dynamics (CFD) simulations, for optimal engine cooling.

The back of the fan also features a series of handy grooves to host an O-ring, in order to eliminate frustrating (and damaging) vibrations by the fan itself, which thanks to the computer simulations, has also been equipped with a number of holes to optimise the air flow at the rear, therefore allowing the improved thermal output of the magnets, while keeping them within the optimal temperature range.

One important feature of this innovative ignition system is the possibility to dismantle the sprocket-wheel and install a standard fan, allowing engines equipped with an electrical ignition system to compete with more classic kick start ignition engines.



Code	Applications	Crankshaft cone Ø	Static weight kg.	Moment of inertia Kg/cm ²	Note
5517175 € 435.00	PX 125 - 150 euro 0-1-2-3 PX E 200 2T	20	1,2	---	ONLY for vehicles WITH ELECTRIC STARTER

NEW Vespa

MALOSSI



VESPOWER Ignitions

The picture refers to art. 5516951



After many years of success, both in sales and on the track, it's now time for **VESPower**, a best seller in the Malossi range, to receive a makeover.

And so our engineers got to work to perfect a naturally winning product. The bell, made from a hot formed piece, was redesigned with a larger hub to guarantee improved mechanical resistance, especially in more extreme, high-speed applications. In the new project, the bell also features two holes to allow faster and easier dismantling of the entire flywheel unit without needing to dismantle the fan, as was the case in the past.

All these changes simply represent the perfection of a product that has made versatility its strongest attribute; all its other features have remained intact, including, just to name a few:

- lightened flywheel (weighing in at 1.2 kg) characterised by the moment of inertia indicated in the table. If necessary, in order to achieve the desired result, additional weights - which are not supplied in the kit - can be assembled onto the flywheel.
- 12 V (90 Watt) 4-pole stator with output cable for battery recharging (or stereo connection, for more creative modifications!);
- Fan made of plastic in red, with a new design following a computational fluid dynamics (CFD) analysis in order to optimise the ratio between the fresh air flow and the power absorbed;
- Dedicated cabling for each specific plug & play type application. No modifications to the cables and connectors are necessary;
- Integrated coil / control unit
- Voltage regulator

Code	Applications	Crankshaft cone Ø	Static weight kg.	Moment of inertia Kg/cm ²	Note
5516953 (*) € 310.00	COSA 125 - 150 - 200 2T PX 125 - 150 euro 0-1-2-3 PX E 200 2T	20	1,2	28	
5516951 € 317.60	ET3 Primavera 125 2T	19	1,2	28	You need to replace all the lamps (from 6 to 12 V), respecting original power expressed in Watts.
5516955 € 317.60	ET3 Primavera 125 2T	20	1,2	28	You need to replace all the lamps (from 6 to 12 V), respecting original power expressed in Watts.
5516952 € 317.60	SPECIAL 50	19	1,2	28	You need to replace all the lamps (from 6 to 12 V), respecting original power expressed in Watts.
5518177 NEW € 348.00	GL 150 2T euro 0 1962->1965	17	1,8 (**)	54 (**)	You need to replace all the lamps (from 6 to 12 V), respecting original power expressed in Watts.
5518372 NEW € 348.00	PK 50 - 125	20	1,2	28	There is no need to replace the light bulbs

(*) NOTE: if you wish to fit the battery into the models which do not have it, the optional wiring art. 5515703 is available: battery charger kit, consisting of wires and voltage regulator.

In the original versions WITH battery and PARKING with lights on (German models 1980->1990) it is NECESSARY the purchase of battery charger kit (art. 5515703) supplied separately.

(**) Values refer to flywheel with magnets, additional mass and 6 connecting screws.

NEW**Vespa****MHR**
MALOSSINI RACING

VESPOWER Ignitions MHR



The picture refers to art. 5516956

Classic **VESPower** ignition systems are naturally followed by **more extreme engines**, which also feature a flywheel with a similarly upgraded design, **but lightened by a further 25% with respect to the sports version** and without the possibility to attach additional weights: a solution dedicated to true lovers of the meanest 2 stroke acceleration response!

Code	Applications	Crankshaft cone Ø	Static weight kg.	Moment of inertia Kg/cm ²	Note
5516956 (*) € 310.00	COSA 125 - 150 - 200 2T PX 125 - 150 euro 0-1-2-3 PX E 200 2T	20	0,9	17	Ignition with further lightened inertia flywheel is available, void of external set up for additional masses.
5516958 € 310.00	ET3 Primavera 125 2T	20	0,9	17	Ignition with further lightened inertia flywheel is available, void of external set up for additional masses.

(*) **NOTE:** if you wish to fit the battery into the models which do not have it, the optional wiring art. **5515703** is available: battery charger kit, consisting of wires and voltage regulator.
In the original versions **WITH** battery and **PARKING** with lights on (German models 1980->1990) it is **NECESSARY** the purchase of battery charger kit (art. **5515703**) supplied separately.

One of the many strong points of **VESPower** ignition systems has forever been the possibility to purchase additional weights that can be attached to the flywheel, as an optional with the standard kit. We at Malossi truly care about your needs and those of your engine, so that's why we've ensured the availability of two different additional weights, and therefore different moments of inertia, in order to satisfy the broadest range of needs and configurations.



Flywheel masses

Code	Applications	Dimensions	Static weight gr. (including screws)	Moment of inertia Kg/cm ²
1715715 € 66.60	For ALL VESPower EXCEPT art. 5516956	Ø 144x105x18	824	34
1715716 € 64.89	For ALL VESPower EXCEPT art. 5516956	Ø 134x105x18	420	19



EXTRACTOR for VESPower ignition FLYWHEEL

6016156B € 16.00