



DIGITRONIC PVM MHR

55 9207

GILERA
Piaggio

*Easy Moving, Runner, Stalker, Storm, Typhoon
Free, MC2, NRG, NTT, Quartz, Sfera, Sfera Restyling, Vespa ET2, Zip,
Zip Fast Rider, Zip Sp H2O*

Fixed advance digital power box with 12-V power supply

It was designed for the 70-cc. scooter competition within the F.M.I. (Italian Motorcycling Federation) 1997 National Trophy, successfully promoted and supported by Malossi since 1992. Digitronic PVM MHR is a digital power box fed by the light coils of the original flywheel instead of the high voltage charging coil.

As the standard flywheels of 50 cc. scooters are designed for rotation speed rates up to 10.000 rpm, they turned out to be unsuitable for enhanced 70 cc. engines, which have higher rotation speed rates. As a consequence of this problem it often occurred that during the competitions of the Scooter Speed National Trophies F.M.I. the ignition systems would brake, preventing many champions from successfully closing the race. With the Digitronic PVM MHR Malossi's technicians managed to overcome this limit.

Digitronic PVM MHR is a technologically advanced and extremely reliable power box, allowing the engine to reach and exceed 16.000 rpm without creating the least yielding or ignition interruption. Moreover, the application of this power box is extremely easy, because it is equipped with connection cables that may be connected directly to those of the flywheel without having to modify anything. Thanks to its characteristics, the Digitronic PVM is currently permitted by the regulations of the Scooter Speed National Trophy.

FITTING INSTRUCTIONS

Remove the original Piaggio power box taking care of extracting the original connectors without damaging them, and thoroughly clean them. Unscrew the spark plug cable from the original power box and screw it back on your new high voltage coil Malossi H.T., taking care of screwing it right to the end. Fix the H.T. coil on the original stand of the power box, using the original screws.

In so far as the length of the cables makes it possible, fix the PVM digital power box away from the voltage coil, fixing it with a strip in the helmet-boot of your scooter.

Connect the three red, white and green coloured terminals to the respective original coloured terminals on the cable coming out of the motor chain guard behind the ignition flywheel. Fix the cylinder-shaped plug on the corresponding cylinder-shaped original plug, which is fixed on the cable coming out of the motor chain guard behind the ignition flywheel.

Connect the black cable under the nut fixing the high voltage coil and insert the terminal of the orange cable in the plug of your new Malossi coil.

WARNING

This power box should only be fitted on scooters intended for races in closed tracks, because the system cuts out the power supply of the lighting current.

Being the power box fed by the voltage coils of the lighting system, the kick start ignition of the vehicle requires a notable thrust to reach the minimum number of engine rotations per minute capable of ensuring enough voltage to get the power box to work.