

**DD01**  
**MVT DIGITAL DIRECT IGNITION WITH DIGITAL VARIATION**  
**FOR MOPED MBK STANDART 51/88**

TO PREPARE ONE LIMPS BEFORE STARTING TO ARRANGE ALL SCREWS WITHDRAWN IN ORDER TO FIND THEM WITH THE REASSEMBLY.



Deposit walks side foot right.



Deposit ignition mask.



Withdraw the spark plug cap.



Withdraw the spark plug with a 21mm key and put a stick at the place of the spark plug to block the piston.



Turn the crankshaft to block the piston on the stick and Loosen the nut with a 32 mm key.



With the extractor MBK withdraw the rotor of the original ignition.



Deposit the fastening screws of the stator.



Deposit of the original high voltage coil.



Place the 6x 35mm screws delivered with the plates and nut of 6 MM To fit the MVT high voltage coil.



Feat the support with the two screws 6x20 milled heads and control if the support is correctly on the engine without any screws of casing does not obstruct.



Place the stator DD on the support and screw it with the two allen screws delivered.



Find a timing stick adjustable Screw the timing stick at the place of the spark plug.



1\_Turn the crankshaft in the rotation side of the engine to block the piston on the stick and find the btdc (it means when the piston is blocked on the stick unscrew the stick, in the same time turn the crankshaft to find the top position of the piston, BTDC)

At this point you must read the position of the stick for example the arrow or the screw of the stick will indicate 2 in that case you must turn the crankshaft on the opposite side rotation for half turn. Turn the screw of the stick of 0.4mm it means if one turn is 1 mm, you start at the example at 2 you must screw of 4 number to arrive at the position 6 on that position the timing point is 0.4 mm before top position on the opposite rotation side.

2\_Turn back the crankshaft on the engine side of rotation to put the piston against the stick at 0.4mm put the rotor of the DD on the crankshaft, the red signal of the rotor in front of the signal of the stator (the good signal is the one who have the arrow in the good sense of rotation of your engine)

3\_When the two signals are in front screwed the rotor with the original screw without moving it.



Joint the green cable of the stator with the black cable of the Diagram to the metal body of the MVT high voltage coil.



Connect the orange cable of the diagram to the high coil.



The cables black red of the diagram with the same colour on the stator.



The cables yellow for the regulator bulbs 12 v 5 watts behind and 12v 15 w in front the cables white mustn't be connect. To stop the engine you can also connect the black and white cables to a switch connect to the mass (metal body of the engine).



Unscrew the stick and place back the spark plug and the connector cap.



The ignition "DIGITAL DIRECT" must be cover with a waterproof mask.

At the first test you must verify the colour of the spark plug.  
 If it's grey or white increase the jet of 7 points  
 If it's chocolate 2 points  
 If it's black reduce of two points

## **MVT THE ENERGY OF THE EXPLOIT**

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