



50cc

Bosch Electronic Ignition

With extern adjustable ignition timing

Total power 6 Volt 41 Watt

16w yellow x 11w green x 10w orange x 4w grey

Picture 1:

Fit the brown wire (ground, chassis) under the engine screw.

Picture 2:

Mount the ground-plate with two blind M4 screws
mind that the saving is next to the cable excision.

Picture 3:

Carefully mount the coil-plate with the black
pick-up coil (square plastic) pointing at ± 3 'o clock.
Fix the three M4 screws in the middle of the slot
Mind that no wires are trapped while fixing!

Picture 4:

Place the key in the crank and mount the flywheel. Beware!
Don't put a screwdriver thru the flywheel between the coils to tighten the nut of the flywheel.
The vulnerable thin wires can't stand this, if the coils are damaged the ignition will not work.
The flywheel is suitable to use the 3 or 4 point ventilators.

Picture 5:

Fix the high tension coil in the frame or under the tank, preferable in a dry place and away from any
heat. Mind that the high tension cable is far away from the frame to prevent a spark between the cable
and the frame.
The white wire from the coil should be fixed to the frame (earth).

Setting the ignition:

Found out the pre-ignition of your type of engine (f.e. 1,7 mm). Put the piston at 1,7 mm BTDC. Put a 2
mm thick wire thru the hole in the flywheel next to number 442. This should line with the black plastic
pick-up coil on the coil plate.

The coil plate is adjustable without removing the flywheel by adjusting the three M4 screws (picture 3)
Fine adjustment can be done as shown in picture 4 at the outside of the flywheel.
It's preferable to check the ignition timing by using a stroboscope!

Don't use a sparkplug cap with resistant.

Extra possibilities wires

Green and orange connected = 21 Watt

Yellow and grey connected = 20 Watt

Green	6 Volt	11 Watt	21 Watt
Orange	6 Volt	10 Watt	
Yellow	6 Volt	16 Watt	20 Watt
Grey	6 Volt	4 Watt	

