



## KONNY IGNITION INSTRUCTIONS For 500cc engines

KONNY ignition is two channel capacitive battery ignition with advance timing before TDC\*. All wire cables are made from different color for better installation of ignition. Power cables of KONNY ignition are the black and red wire. The Black wire connects to battery negative (-) ground and the Red goes to battery positive (+). Battery switch or fuse should be used.

The battery is one of the most important parts of the electrical system. A fully charged 12-volt battery will read around 12.6 volts. You must use battery with minimum capacity 7 Ah and alternator can't be used. High voltage cables are made from silicone ignition cables with copper core. Every channel has one of the two colors (black&red) for better installation on motor.

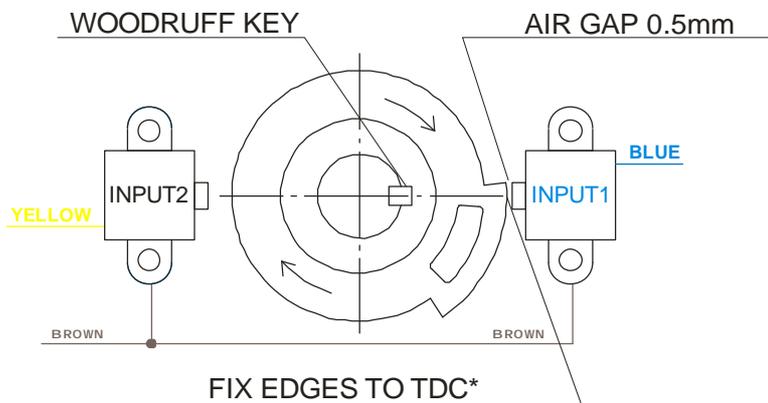
Pick up sensors has 2 color cables (blue&yellow).

Pickup sensor with blue color cable (further INPUT 1) is assigned for first channel with orange wire cables to coils and red high voltage cables to spark plugs.

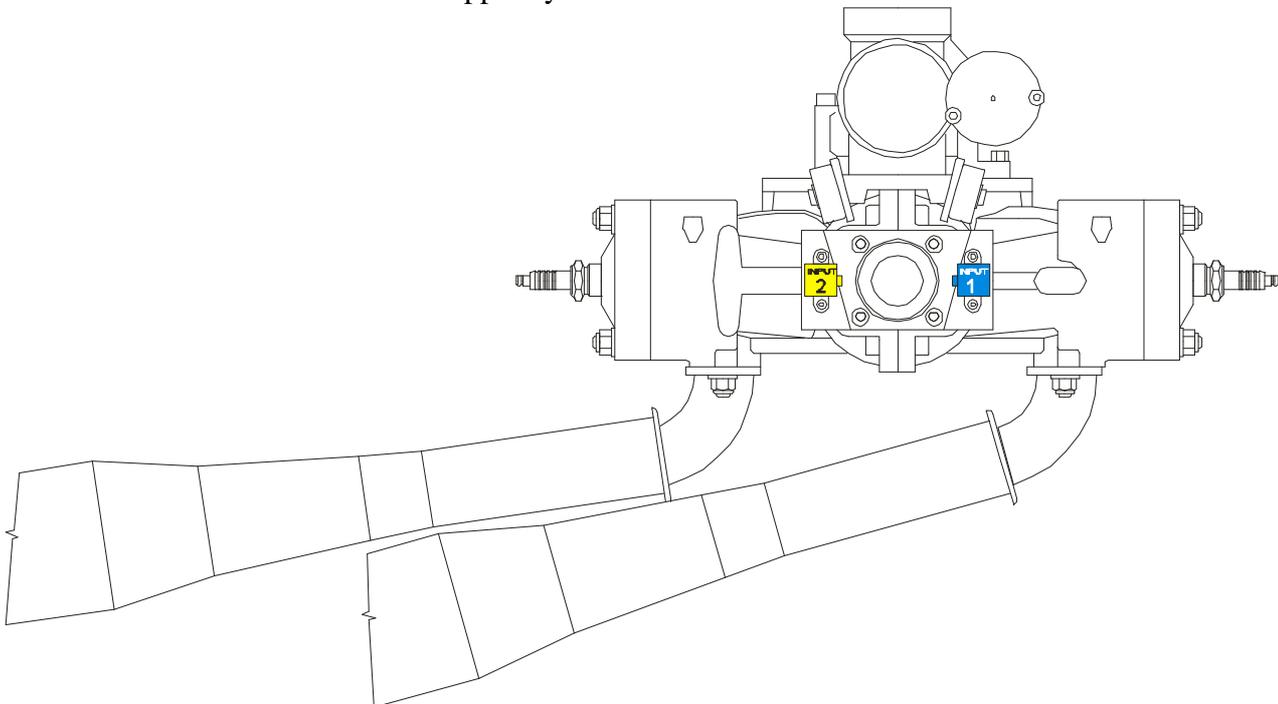
Pickup sensor with yellow color cable (further INPUT 2) is assigned for second channel with violet wire cables to coils and black high voltage cables to spark plugs.

Settings ignition flywheel position on crankshaft:

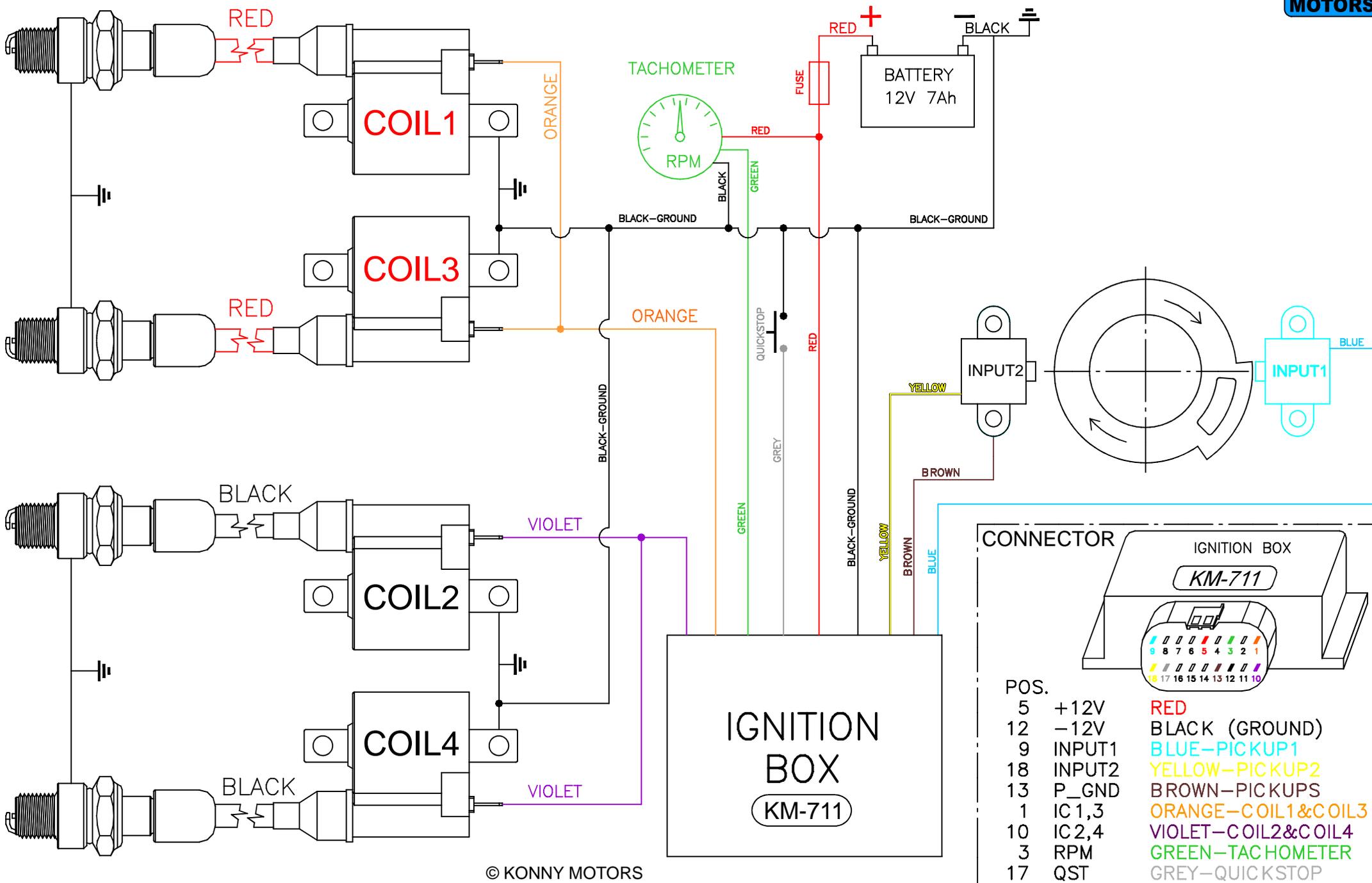
Edge protrusion of ignition flywheel must be fixed on TDC\* as on further diagram see below. The air gap between sensor and protrusion is recommended about 0.5mm.



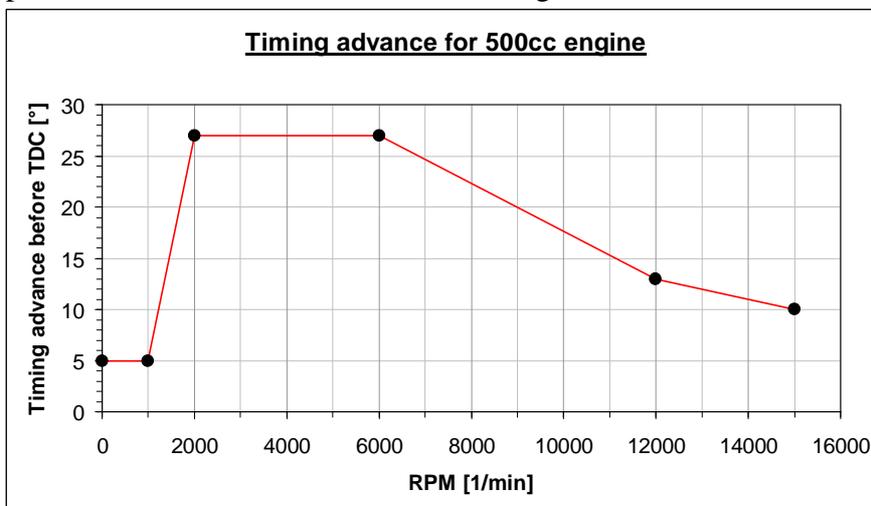
INPUT 1 must be fixed over front upper cylinder as on sketch bellow:



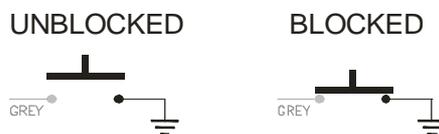
# IGNITION WIRING FOR KONNY ENGINES



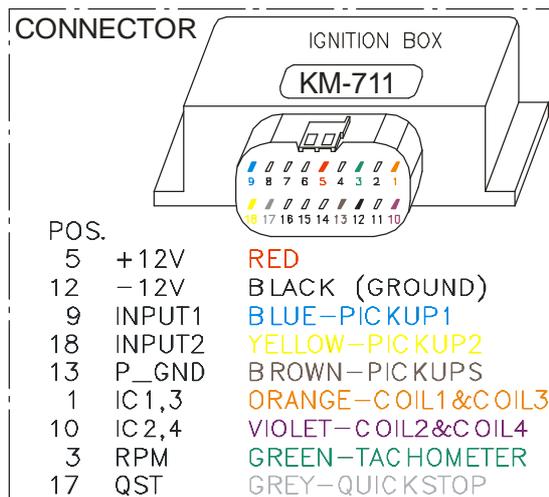
Spark advance is set in ignition box and flywheel is fixed on TDC\*.  
 Here is diagram of spark advance before TDC\* that is set in ignition:



The ignition has safety block for stop engine. You must install kill switch before using ignition on engine. Ignition is blocked whether gray wire cable is connecting with the ground (black wire cable).



The ignition box is in aluminum box with 18-pin waterproof connector.  
 Pin positions are on diagram below.



Green wire cable is assigned for tachometer with positive pulses.  
 If you have any further questions please contact us on email: [konny@konny.cz](mailto:konny@konny.cz)