



installation guide

breaker-contact less ignition system
BMW R24, R25, R25/2, R25/3, R26
part-no.: **1081121**

Dear customer,

you have purchased a high quality product from Ulis Motorradladen GmbH.

Please follow the installation instructions carefully.

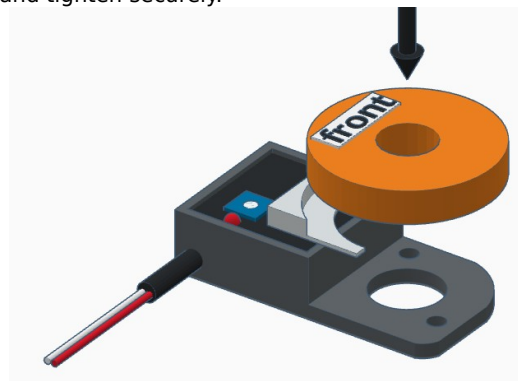
Your Ulis Motorradladen GmbH team wishes you a safe journey at all times and lots of fun driving

Scope of delivery:

1 pc. ignition module, 1 pc. sensor disc, 1 pc. distance gauge (approx. 0,7mm), 2 pcs. screws M3,5 x 6, 1 pc. grub screw M5, 2 pcs. washers M3,5, 1 pc. installation guide

Installation:

- Disconnect the battery before installing! Before reconnecting the battery, carefully check all connections!
- Remove the dynamo rotor screw and remove old ignition system including breaker-contact and capacitor.
- Mount new ignition module in the place where the old ignition terminal plate used to be. Fix the screws by using medium-strength screw adhesive
- Connect the red wire to terminal 15 („+“ ignition). Connect the white wire by using socket-terminal strip to the ignition coil 1 („-“). The red cable should be routed on the housing side where the voltage regulator is located.
- Screw in the grub screw with medium-strength screw adhesive into the sensor disk, but don't tighten the screw so far.
- Place the distance gauge on the ignition module and slide the sensor disc with the label on the outside onto the alternator shaft until it rests on the distance gauge.
- Reinstall the dynamo rotor screw and tighten securely.



Adjustment:

- Turn the crankshaft exactly into the "S" position (= retarded ignition). If necessary, unscrew the spark plug before.

Caution: danger of electric shock! Keep away from the high voltage connection of the ignition coil during the following steps!

- Connect the battery and switch on the ignition voltage.
- Slowly turn the encoder disc **clockwise** until just to the point where the red LED starts to light up.
Note: while the LED is lit, ignition sparks are continuously generated 4x per second.
- Tighten the grub screw of the encoder disk.
- Check the setting by turning the flywheel slightly: if you turn it clockwise, it must be exactly on the "S" mark the LED will start to light up.
- Remove distance gauge.
- Advice: with the engine running, position "S" (= retarded ignition) can be checked at approx. 1000rpm and position "F" (= advanced ignition) at approx. 3000rpm. The maximum deviation should not be greater than 3°

Test ignition cables and spark plugs:

- The red LED lights up when the flywheel is slightly above "S" in the direction of "TDC". At this position, when switched on ignition, generates an ignition spark 4x per second, which allows wiring and spark plugs to be checked.