

**www.ulismotorradladen.de**

The expert  
for your  
BMW - Oldtimer



**Ulis Motorradladen GmbH**

Gutleutstr. 144 - D-60327 Frankfurt am Main - Germany  
Tel.: 0049-69-239319 - Fax: 0049-69-233840 - info@ulismotorradlade

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**EZA - 4**

**Contactless igniton system**

BMW R51/3

BMW R67

BMW R50 and R50/2

BMW R60 and R60/2

BMW R50S and R69S

Ulis Motorradladen GmbH  
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D-60327 Frankfurt am Main

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Dear customer,

you have purchased a high quality product,  
manufactured by **Ulis Motorradladen GmbH**.

There is a list of all parts of the set.  
Please check.

Please pay attention to this instruction, to prevent any  
problems by the installation.

Have a good ride, fun and take care.

Team of Ulis Motorradladen GmbH

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Our office-times:

Tuesday-Friday      10.00a.m.-6.30p.m.  
Saturday              10.00a.m.-1.00p.m.

For free phone-support:

Tuesday-Friday      5.00p.m.-6.30p.m.

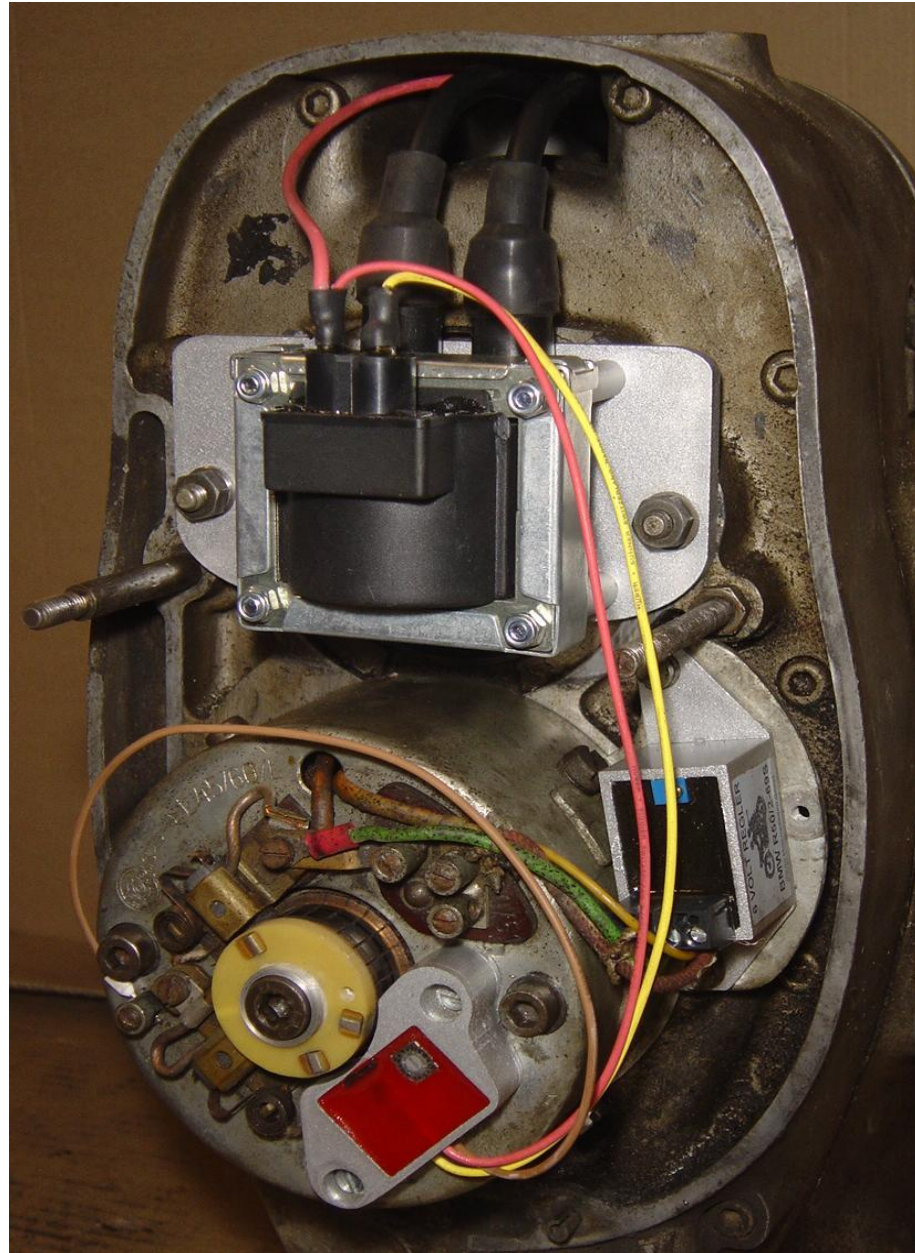
**Tel.: 0049 - 69 - 23 93 19**

## **Electric connection:**

1. Ground connection: brown cable
2. Ignition lock clamp 15: red cable  
Please use the exist red cable which has connected  
the old ignition coil with ignition lock clamp 2.  
Disconnect this cable at clamp 2 (front right) and connect it  
at clamp 15 (back right).  
The other end of this cable please connect with thered cable  
from the module (use wiring connector for example).
3. Mount cable sleeves at ignition cables and connect at  
ignition coil.
4. Remove spark plug socket and ignition spark plug.

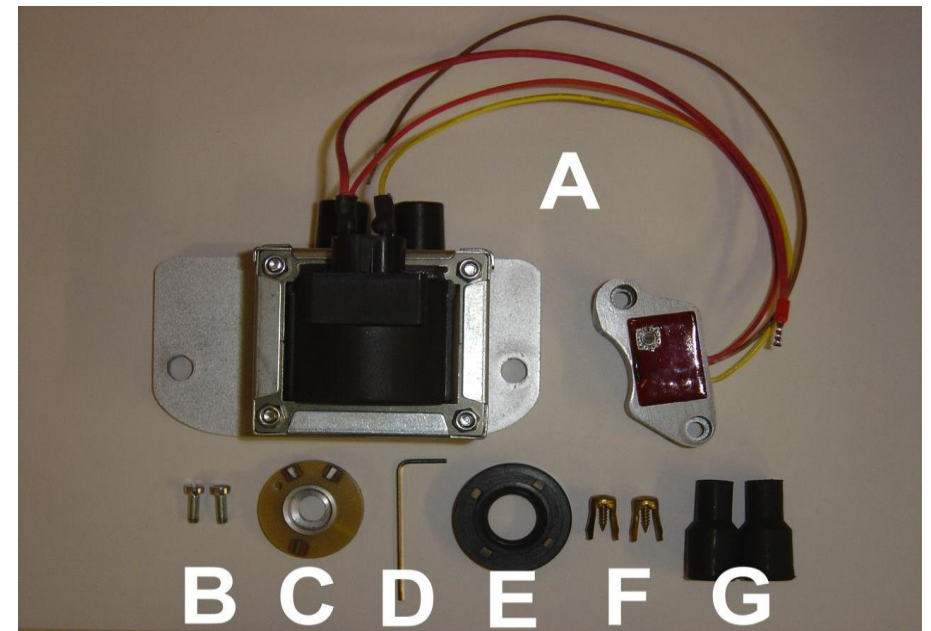
## **Adjusting ignition timing:**

1. Connect the battery.
2. Set the crankshaft to pos. "S" (retarded ignition)  
You'll find the position in the timing control hole  
upto the point.
3. Move the transmitter rotor slowly clockwise.  
The LED of the module starts glowing.
4. Fix transmitter rotor with the allen key.
5. Mount the spark plugs into the plug socket.
6. Let the engine run.  
Check the ignition timing while idle (S) and driving (F)  
with a stroboscopic light.



## included in delivery:

- A) 1 ignition module
- B) 2 screws M4x10
- C) 1 transmitter rotor
- D) 1 allen key
- E) 1 seal ring
- F) 2 ignition cable sleeves
- G) 2 ignition cable grommets



## Preparation:

### If original mechanical regulator is still assambled:

1. Remove the old resistor.  
(let this place free for later installation of the ignition module)
2. Mount a new electronic resistor on other free place.  
(e.g. Ulis item-No.: 1021)
3. Go on with next page Installation.

### Item-No.: 1021

Resistor, R51/3-R69S  
electronic  
(not included in the set)



### If new electronic regulator is assambled:

Normally there is no resistor anymore.  
Sometimes the old resistor is still mounted but not connected.  
If the resistor is mounted, please remove it.  
There is no resistor needed, but the place must be free for the later installation of the ignition module.  
Then go on with next page Installation.

## Installation:

1. Disconnect the battery!
2. Remove complete old ignition system.
3. Remove the old seal ring at the camshaft stump.  
Mount the new seal ring from this set.  
Impress this seal ring flush th the edge of the housing.  
See photo below.



4. Mount new ignition coil package on the free place where the old ignition system was.
5. Mount the new ignition module onto the seat of the former resistor with the 2 screws M4x10
6. Remove generator rotor screw.  
Mount the transmitter rotor onto the generator rotor.  
Fit it with the generator screw.