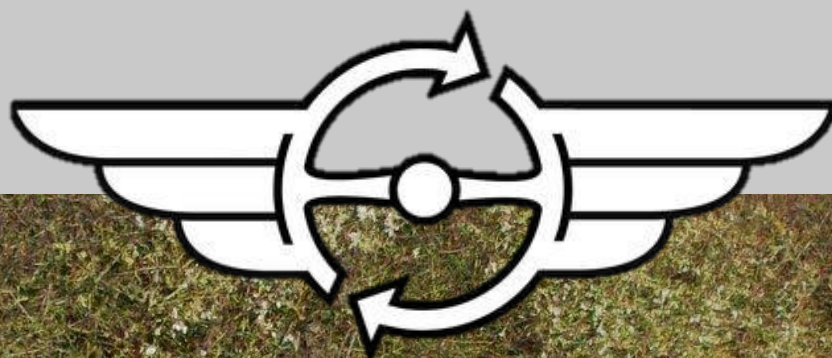


# **EZ ELECTRIC POWER STEERING**

## **INSTALLATION GUIDE**

### **MORGAN AFTER 2007**





# CONTENT

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## THE PRODUCT

Thank you for choosing an EZ ELECTRIC POWER STEERING product for its quality, it's performance, type approval and its straightforward assembly. Since 2006 we have been manufacturing complete steering columns with integrated electrical assistance. All columns are tailor made for each type of car and we have over 200 different types in stock. For more information about our products (power steering systems and replica steering wheels) or to place an order, visit our website [www.ezpowersteering.com](http://www.ezpowersteering.com) or send an e-mail to [info@ezpowersteering.nl](mailto:info@ezpowersteering.nl). If you have any questions of a technical nature please contact [workshop@ezpowersteering.nl](mailto:workshop@ezpowersteering.nl).

Version C1

Date 19/2/20

*This installation manual must be read very carefully to avoid mistakes.*

*Check if all parts are present in the kit using the picture in the manual.*

*Compare the EZ Power Steering Column with the original column. Examine if the sizes are similar.*

*If you do not have the skills or tools to carry out the installation, then have a professional fit the kit for you.*

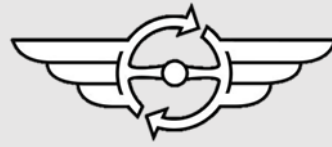
*EZ Power Steering cannot be held accountable for a faulty installation or damages to the kit or vehicle.*





# CONTENTS OF THE SET



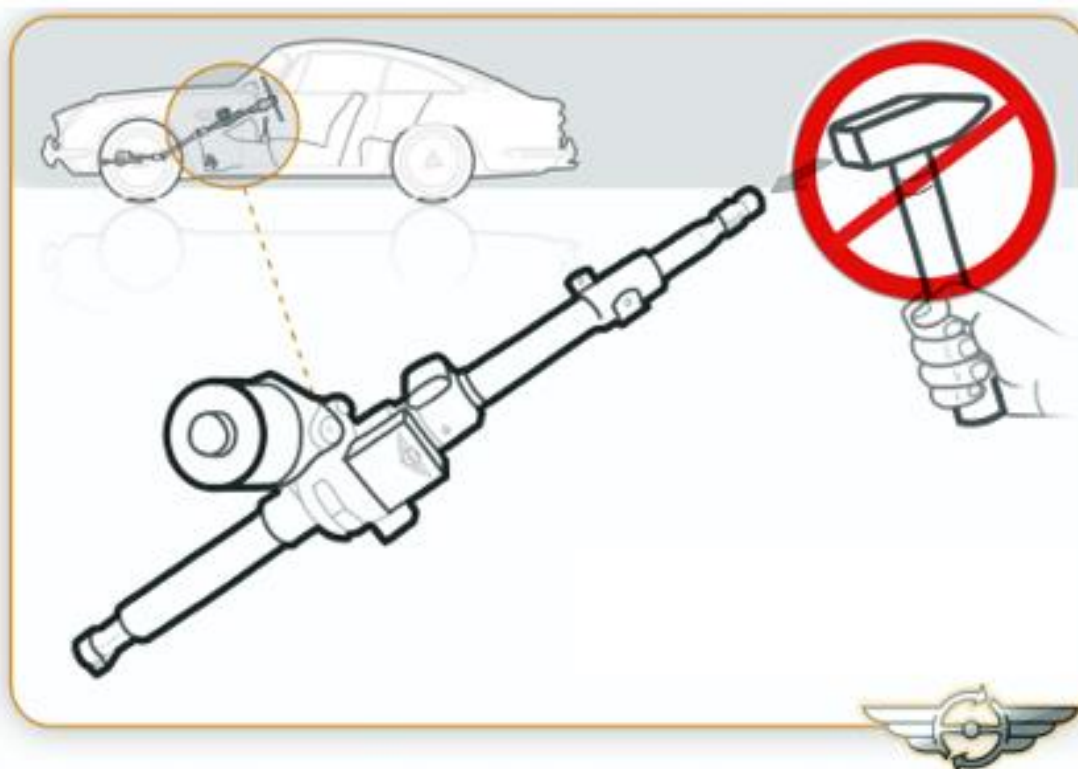


## BEFORE AND AFTER ASSEMBLY

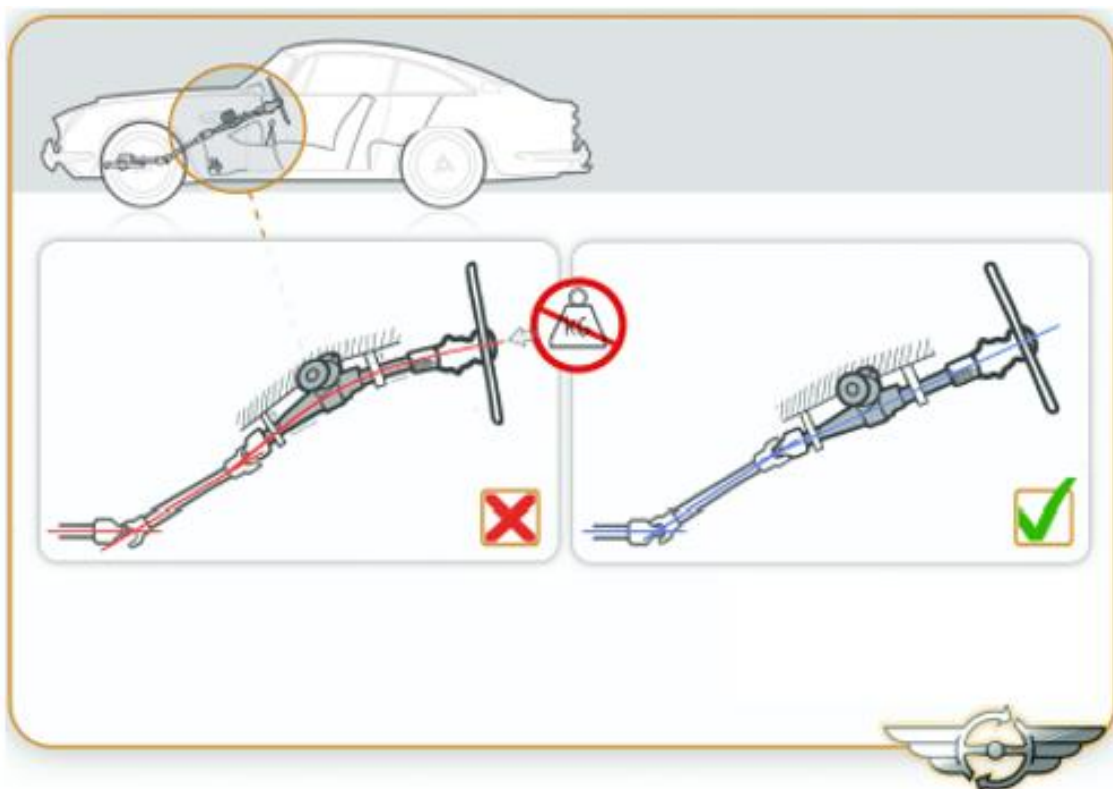




# INSTALLATION

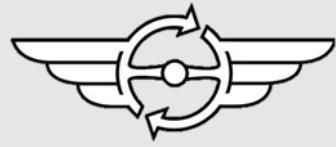


Never strike the input shaft with an object during or after assembly. This can adversely affect the sensors.



The steering system must always be properly aligned and mounted without tension.



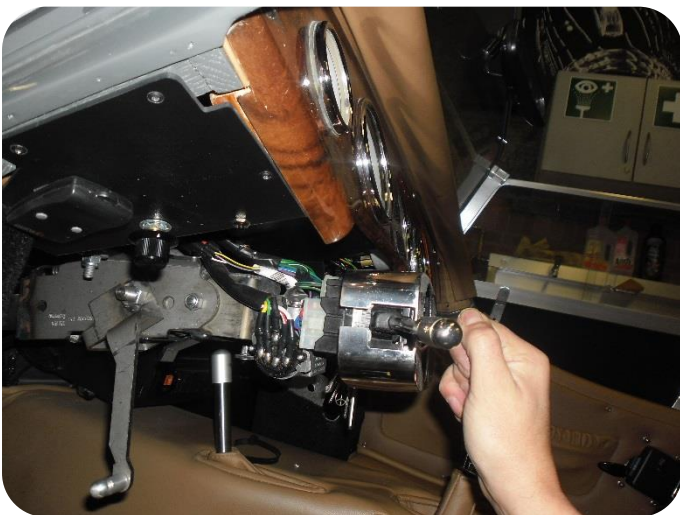


### Step 1.

Check the tire pressure and take a test drive with the car. Check whether the steering wheel returns to the straight-ahead position. Check whether the controls and instruments are defective. If everything is OK then continue with the conversion.

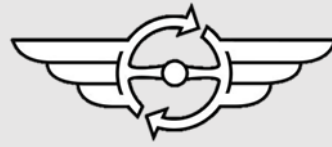
### Step 2.

Find a power supply connected via the contact. This is necessary for controlling the EZ power steering unit (see point 9). To do this, disassemble the bottom plate under the dashboard if present, the switched power supply can be removed from the contact lock or the start button. Then disconnect the earth cable from the battery. Make a choice before installation, or put the wheels and steering wheel in the straight-ahead position, mark this position and continue with the conversion. Or determine the center of the wheelhouse by dividing the number of steering turns, from full left to full right, by two and adjust the wheel alignment after installation, if necessary.



### Step 3.

Disassemble the steering wheel and turn signal switches



**Step 4.**

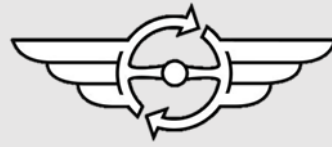
Remove the clamping bolt from the upper universal joint in the engine compartment



**Step 5.**

Remove the 2 nuts on the bottom of the steering column





#### Step 6.

After removing the two upper nuts from the steering column, this can be taken out of the car.



#### Step 7.

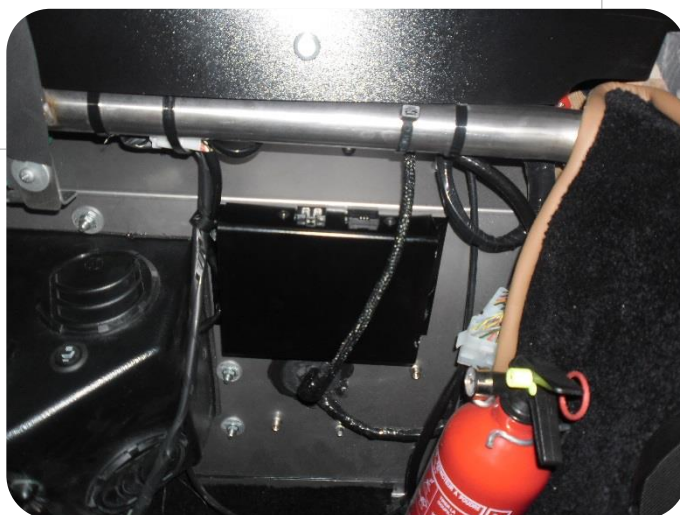
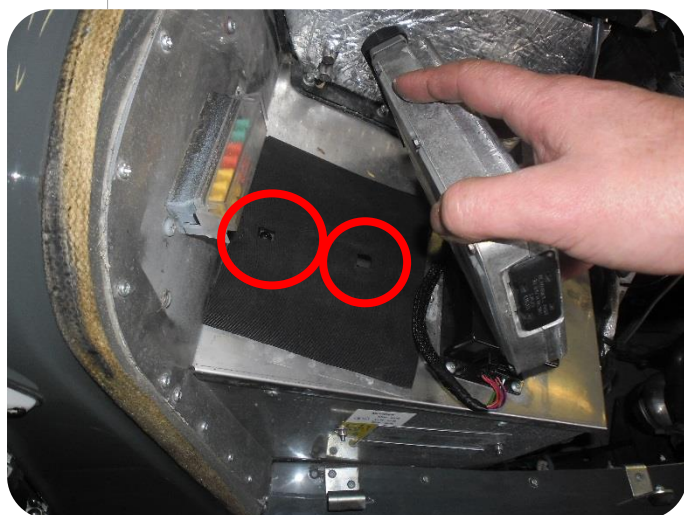
Take the new EZ column and install steering lock. After this the column can be placed in the car, make sure that the height adjustment is in the highest position



### Step 8.

On the passenger side there is room for mounting the EZ ECU. Disassemble the 2 nuts from the heater mount and mount one side of the ECU housing here. The holes on the other side must be drilled.

To do this, temporarily remove the engine ECU. After this connect the EZ ECU.





### Step 9.

Reconnect the battery. Then find a contact-controlled voltage to connect the thin red wire (15+).

### Step 10.

Connect the thick red wire (30+) directly to the battery plus via the fuse holder.

### Step 11.

Connect the black wire (31-) with a suitable ground point.

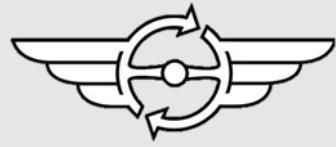
### Step 12.

After switching on the ignition a click can be heard from the ECU, the system is now operational, check this by making steering movements. After switching off the ignition, another click is heard after approximately 4 seconds. The system is then switched off.

### Step 13.

Re-install the steering wheel of the car. Or mount the handlebar at the position of the center of the wheelhouse and adjust the wheel alignment where necessary. Or mount the handlebar in the marked straight-ahead position. Take a test drive and check all systems again. Also check if the position of the steering wheel is correct, if not adjust it.





#### Step 14.

The end result.

