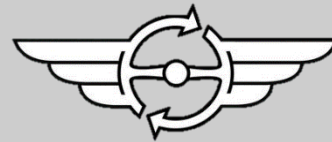


EZ ELECTRIC POWER STEERING

INSTALLATION MANUAL

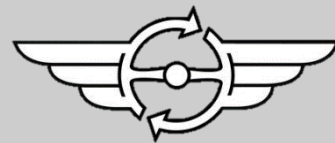
MINI Mk 7 WITH AIRBAG





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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 or send an e-mail to info@ezpowersteering.nl. If you have any questions of a technical nature please contact workshop@ezpowersteering.nl.

Version C1

Date 12/2/20

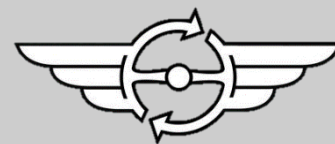
This installation manual must be read very carefully to avoid mistakes.

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

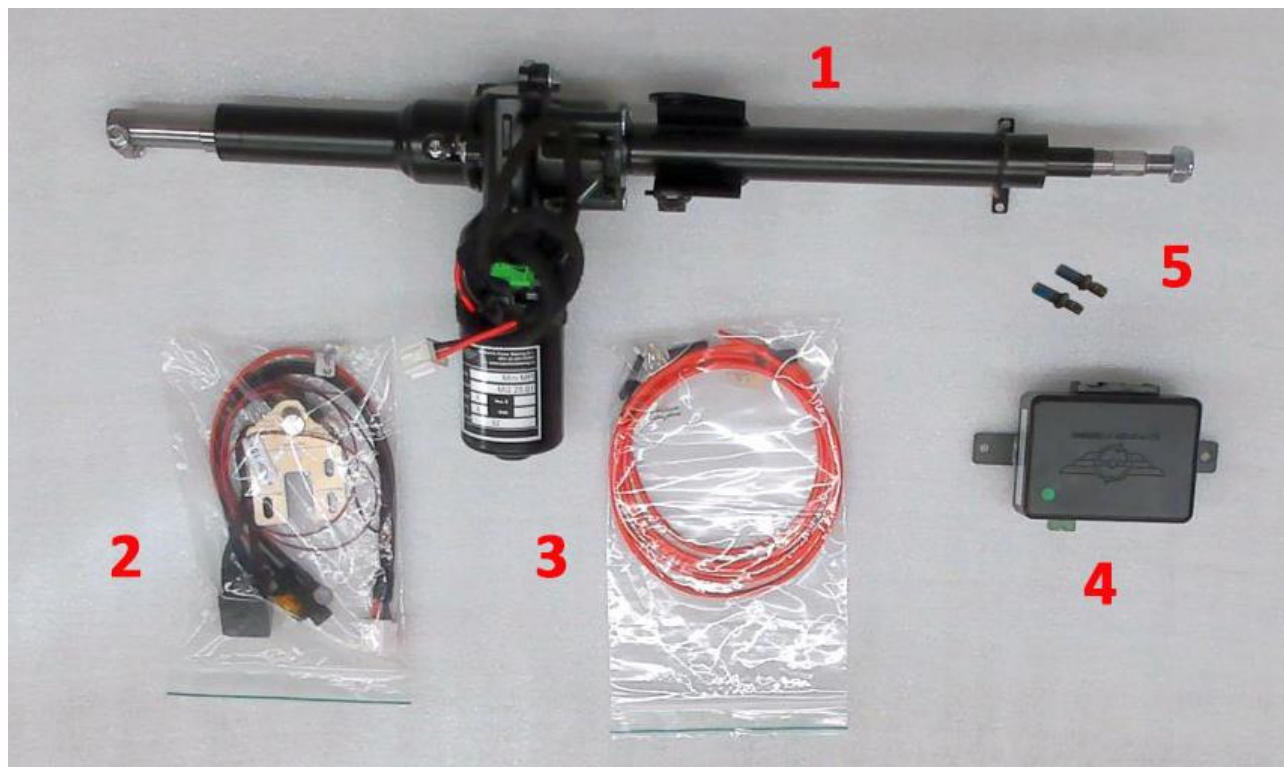
Compare the EZ Power Steering Column with the original column. Examine if the sizes are similar.

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

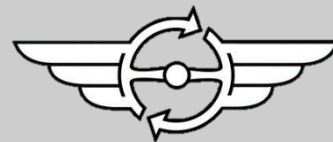
EZ Power Steering cannot be held accountable for a faulty installation or damages to the kit or vehicle.



OVERVIEW OF THE KIT



1. EZ Powersteering kit
2. Wiring harness type 11 (m) with potentiometer and controller (white)
3. Power cable 6mm² with fuse holder
4. ECU
5. Shear bolts 2x



INSTALLATION

Step 1.

Take the car for a test drive and check the original steering system for defects. If everything is functioning correctly, continue with the conversion.

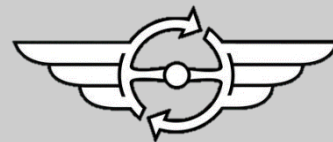
Step 2.

Locate an ignition switched 12v plus and label this wire. This is needed to control the EZ unit. Align the steering system to its center position and disconnect battery earth.



Step 3.

Remove the cover underneath the steering column.



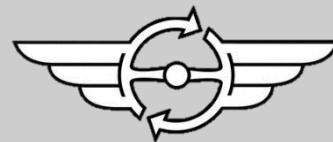
Step 4.

Remove the airbag from the steering wheel. It is installed with 2 screws on the backside.



Step 5.

After removing the airbag, the steering wheel can be removed.



Step 6.

CAUTION: the airbag ring needs to be removed. Be sure to mark it prior to removal, it needs to be reinstalled at the exactly the same position.

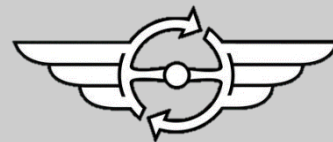


Step 7.

Remove indicator and wiper switches from the column.

Step 8.

Remove the lower bolt from the steering shaft. Remove the upper bolt afterwards. The complete column now can be removed from the car.



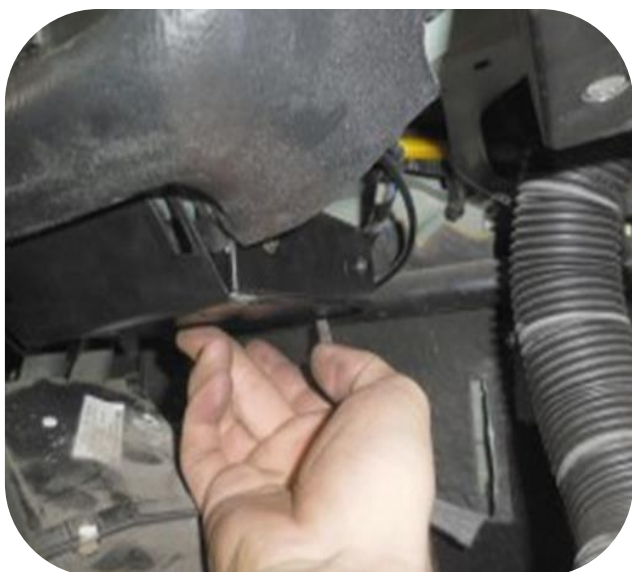
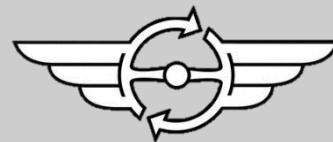
Step 9.

Install the speed sensor behind the speedometer.



Step 10.

Unscrew the two mounting screw from the heater unit. The unit doesn't need to be removed entirely.



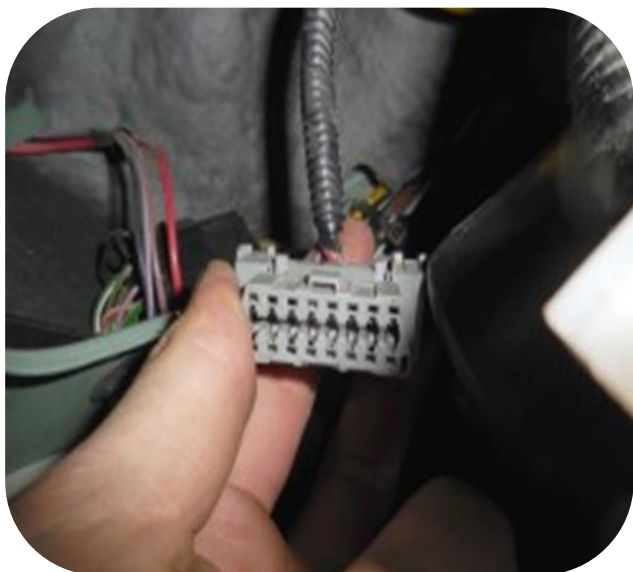
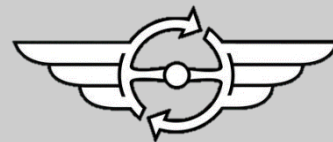
Step 11.

Install the EZ ECU on top of the heater unit. Use both screws to refit the heater unit. The ECU will also be held by these two screws.



Step 12.

Remove the ignition lock from the original steering column and install it on the EZ unit. Install the EZ unit into the car and tighten the bolts.



Step 13.

If the OBD connector touches the EZ unit, it's the best solution to use a zip tie to secure the connector to the harness.

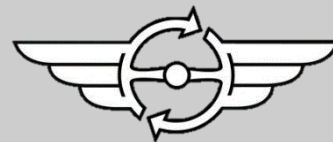


Step 14.

The positive wire can be inserted through the grommet in the bulkhead.

Step 15.

Connect the EZ harness with the ECU.

**Step 16.**

Connect the thick red wire (30+) through the fuse holder with the battery plus.
(use the plus connection from the alternator)

Step 17.

Connect the thin red wire (15+) with an ignition switched plus (see point 2).

Step 18.

Connect the black earth wire (31-) with an suitable earth point.

Step 19.

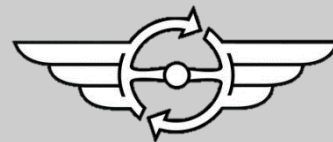
Connect the speed sensor with the EZ harness.

Step 20.

Install the indicator and wiper switches on the EZ unit.

Step 21.

Install the airbag ring on the EZ unit.



Step 22.

Install the covers from the steering column. In order to make it fit, cut off a small bit at the bottom side, see photo.

Step 23.

Install the steering wheel with airbag.

Step 24.

Reconnect the battery earth. After the ignition has been turned on there should be a click noticeable from the ECU. The system is now operational, check this. The system turns off with a delay, this is noticeable from the click after a couple of seconds after the ignition has been turned off.

Step 25.

Take the car for a test drive and recheck all systems