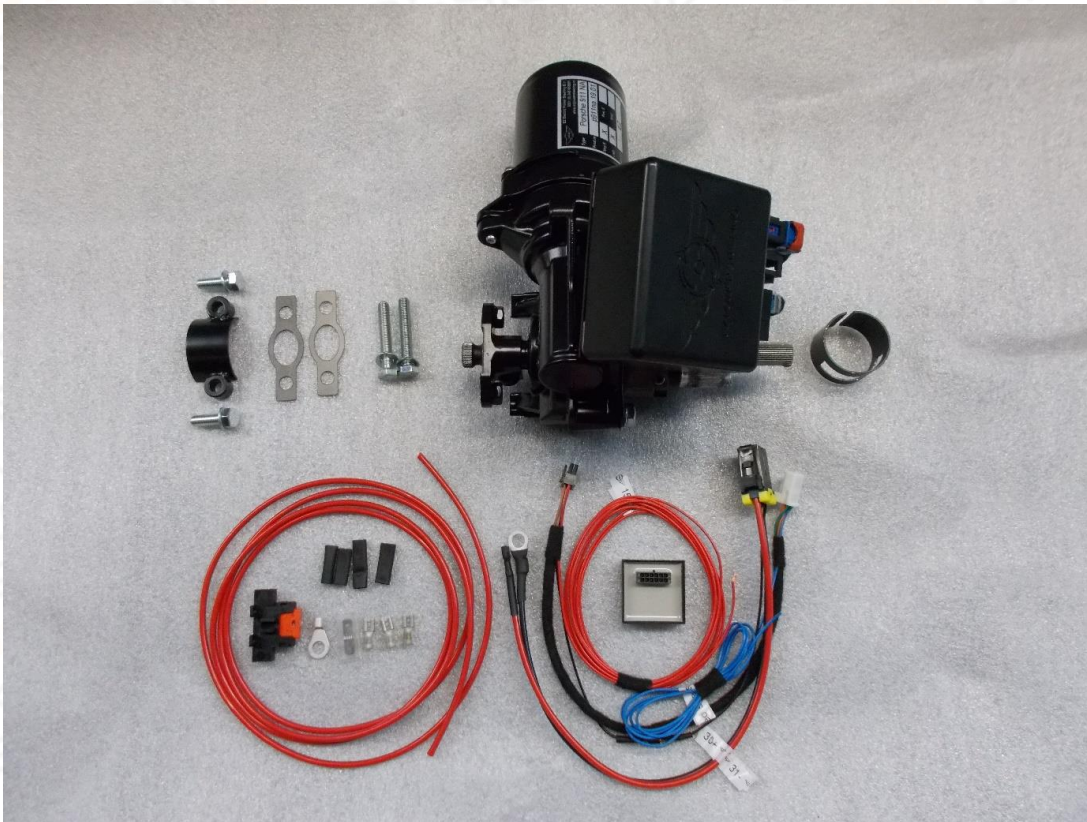


This installation manual must be read very carefully to avoid mistakes. Check if all parts are present in the kit using the picture in the manual.

Compare the 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.

We cannot be held accountable for a faulty installation or damages to the kit or vehicle.

CONTENTS



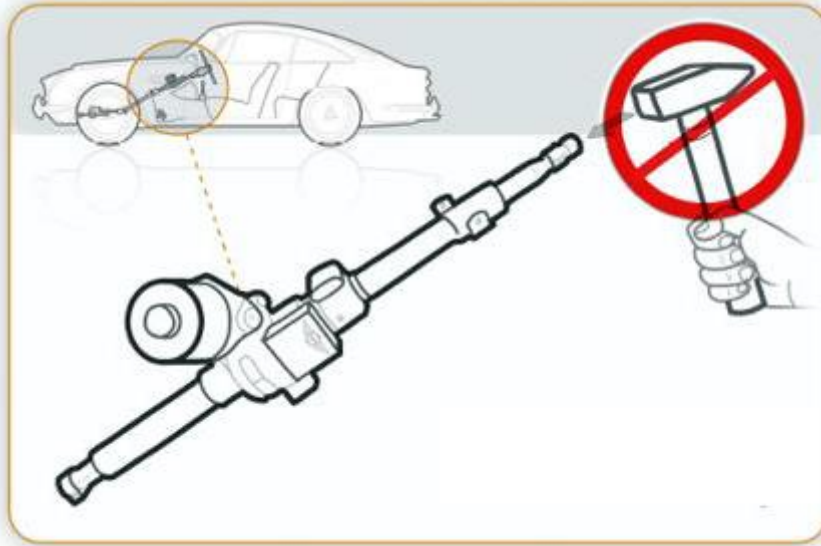
1. Power Steering unit
2. Clamp
3. Supply wire
4. Wiring harness with controller

Before and after assembly:

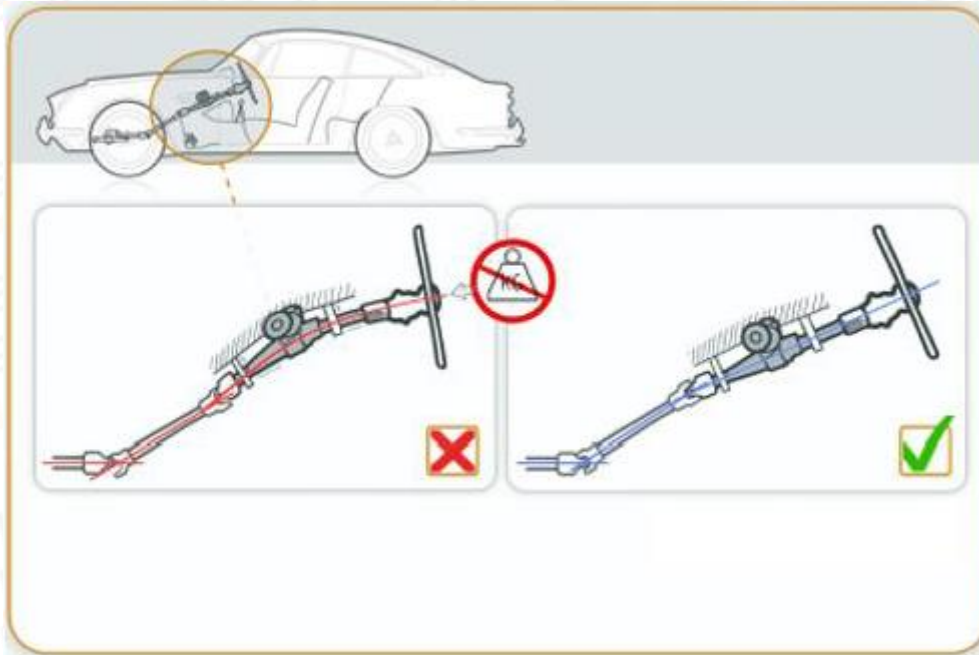


Installation:

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 tyre 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 all this in in order, then proceed with the conversion.

STEP 2.

Remove the carpet from the trunk. Open the small 'smuggling hatch'. The wheelhouse, the fuse box and the battery are now visible.

**STEP 3.**

Find a power supply connected via the contact. This is necessary for controlling the power steering unit (see point 19). The switched power supply can be taken from the fuse box, this is usually the 8th fuse counted from the driver's side. Then disconnect the earth cable from battery. Make a selection 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 centre of the wheelhouse by dividing the number of steering turns, from full left to full right, by dividing the two and adjust the wheel alignment after installation, if necessary.

STEP 4.

Disassemble the finishing plate with four bolts, which is in front of the heater unit. Then fold up the two iron lips of the cover plate, which is mounted over the steering axle, so that it can be lifted, which makes installation easier.

STEP 5.

Loosen the circlip and loosen the lower mounting bolts of the steering gear box coupling (do not remove it yet). Then remove the lower bolt from the universal joint. Also loosen the upper bolt of the universal joint and also loosen the lower bolt of the universal joint of the steering shaft further under the cover plate. This allows everything to shift that facilitates installation.

**STEP 6.**

Remove the 2 bolts from the mounting bracket of the steering axle.

**STEP 7.**

The universal joint can now be pushed off the steering shaft. When the bottom 2 bolts are removed, the steering axle can be removed.



STEP 8.

Pay attention. The position of the foot and the flat surface on the original axle may not match the new unit. This makes no difference to the assembly and operation of the new unit. However, the position of the steering wheel will have to be changed after installation.

**STEP 9.**

Disassemble the original silent block from the disassembled axle. Check this and replace if necessary.

Then instal the silent block on the rear of the power steering unit and secure the bolts.

**STEP 10.**

Silent block mounted. Make sure that the bolts are also in the silent block for mounting on the wheelhouse.



STEP 11.

Then install the silent block on the rear of the power steering unit. Tighten the M8 bolt of the clamp with a torque wrench to 35 Nm.

**STEP 12.**

The sheet metal under the original support must be adjusted to provide oil to the new unit. Make the adjustment in the panel with a ball hammer. Use the Powersteering unit to determine where the adjustment is to be made (see photo). Make sure that the unit never touches the bodywork after assembly!

**STEP 13.**

Install the supplied ring over the nose piece of the new unit. The recess of the ring fits over the original support that is mounted in the car.



STEP 14.

The new unit can now be mounted. Mount the new unit between the universal joint and the wheelhouse. Pay attention to the straight-ahead position of the steering box and the position of the steering wheel. Check that the unit does not touch the body of the car. Note that it may be that the position of the steering wheel has to be changed. See point 8.

**STEP 15.**

Then install the silent block bolts and secure them in the steering box and the universal joint bolt.

**STEP 16.**

Mount the supplied bracket on the original mounting point. Make sure that the recess of the ring fits properly during assembly. When everything is in the correct position, tighten all bolts, including those of the universal joints.



STEP 17.

Connect the power cable (30+) to the battery plus via the fuse holder. It is wise to insulate the wire with an extra sheath.

**STEP 18.**

Connect the cable harness to the computer of the new unit.

STEP 19.

Connect the thin red wire (15+) with a contact-switched power supply. Normally this is the eight fuse from driver's side. Check this. Ensure that the 15+ is connected to the fused side.



STEP 20.

Connect the black ground cable (31-) to a suitable clean and blank ground point. In the room in which the Powersteering is mounted, there is a threaded end on which it can possibly be mounted.

**STEP 21.**

Disassemble the speedometer and connect the blue cable from the new unit to electronic speed signal (31B) The speedometer is mounted in rubber and can be 'pulled' out of the dashboard. This can be difficult due to the rubber.

**STEP 22.**

Install the speedometer. Take care not to pinch the wiring between the windscreen wiper mechanism.

STEP 23.

Connect the negative pole of the battery. The computer must make one click when switching on the contact. The system is now operational, check this. The system switches off with a delay. This is noticeable by the click that is heard a few seconds after the ignition is switched off.

STEP 24.

Refit the cover of the steering axle and refit the heater plate finishing plate. Mount the carpet in the car.

STEP 25.

Re-install the steering wheel of the car. Or mount the handlebar at the position of the centre 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 26.

The end result.

