

Installation instructions / Setup Manual



Attention! Please read the installation instructions carefully before beginning installation and follow the instructions.

Attention! Please read the installation instructions carefully before starting the installation and pay attention to the notes.



By installing the Vantrex crash sleeves, the distance between the suspension strut and the rim/tire. A minimum distance of 5 mm between the rim and the suspension strut is essential. If the distance is less than 5 mm, it is imperative that appropriate spacers are installed. This must be done before and after installation. to check independently.

By installing the Vantrex Camber sleeves, the distance between the shock absorber and the rim/tire is reduced. A minimum distance of 5mm between the rim and the shock absorber must always be maintained. If the distance is less than 5mm, it is absolutely necessary to install appropriate wheel spacers. This must be independently checked before and after installation.

I. Preliminary work

1. Remove the front wheels.
2. Loosen the pendulum support on the shock absorber.
3. Loosen the height sensor for headlight range adjustment on the left wishbone.
4. Loosen the tie rod ends on the pivot bearing.

II. Removing the strut sleeve



Remove the
Screw on the
Back of the
Steering knuckle.
Then remove
the brake line
holder.

II. Removing the strut sleeve



Spread the
Steering knuckle with a
suitable tool. The steering
knuckle can be
Now press down with little effort.



Slide the
Carefully lower the steering
knuckle until the shock
absorber is completely
removed. Make sure that the
brake line, the cable from the
wheel speed sensor and the

Brake wear indicator should
not be damaged.

Then remove the
original sleeve from the shock
absorber.

III. Einbau der Vantrex Sturzhülse

Then insert the Vantrax crash
sleeve so that the opening of
the

Sleeve flush with the
opening of the
Ash thigh concludes.



Slide the steering knuckle back over the shock absorber from below.

Make sure that the guide pin on the strut is exactly centered in the hole.



Use a transmission jack to push the steering knuckle in the spread position until it stops.

Check that the sleeve and guide pin are still centered.



Important! Only remove the steering knuckle spreader after ensuring that the steering knuckle is fully seated. Double-check the fit of the sleeve and guide pin.

Now position the brake line bracket, making sure the brake line isn't twisted. Then reinsert the screw.

Specified torque: 56 Nm, screw and nut

renew.

IV. Final work

- **Mount the tie rod ends on the swivel bearing and tighten the nuts.**

Specified torque: 165 Nm, replace nuts.

- **Mount the pendulum support on the strut and tighten nuts.**

Specified torque: 56 Nm, replace nuts.

- **Height sensor for**

**Headlight range adjustment on the left
Mounting the wishbone**

- **Install front wheels.**

**Specified torque
BMW F/G series: 140 Nm**

**Specified torque
BMW E-Series: 120 Nm**

I. Preliminary work

1. Remove the front wheels.
2. Loosen the pendulum support from the shock absorber.
3. Disconnect the height sensor for the headlight range adjustment from the left control arm.
4. Loosen the tie rod ends from the steering knuckle.

II. Removal of the strut sleeve



Remove the bolt at the rear
of the steering knuckle.
Then remove the bracket
for the brake line.rear

II. Removal of the strut sleeve



**Spread the steering
knuckle with a suitable tool.**

**The steering knuckle can now
be pushed down with little effort.**





Gently push the shock absorber down until the shock absorber is completely removed. Make sure that the brake line, as well as the cable from the wheel speed sensor and the brake wear indicator, are not damaged. Then remove the original sleeve from the shock absorber.

III. Installation of the Vantrex Camber sleeve



Then insert the Vantrax Camber sleeve so that the opening of the sleeve is flush with the opening of the steering knuckle.



Slide the steering knuckle back over the shock absorber from below.

Make sure that the guide pin on the shock absorber is exactly in the middle of the hole.



Use a transmission jack to push the steering knuckle into the stop when spread.

Check that the sleeve and guide pin are still in the middle.



Important! Only remove the spreader when it is ensured that the steering knuckle is in place.

Double-check the fit of the sleeve and guide pin. Now position the brake line holder and make sure that the brake line is not twisted.

Then put the screw back in.

Specified torque: 56 Nm, replace the screw and nut.

IV. Final work

- **Install tie rod ends on the swivel bearing and tighten nuts.**
Specified torque: 165 Nm, replace the nut.
- **Mount the pendulum support on the strut and tighten the nuts.**
Specified torque: 56 Nm, replace the nut.
- **Mount the height sensor for headlight range control on the left wishbone**
- **Mount the front wheels.**

Specified torque
BMW F/G series: 140 Nm
Specified torque
BMW E-Series: 120 Nm