



**Before installation please observe  
the following points:**

- Read all information in this manual carefully. -  
    All suspension components are fitted and  
    removed acc. to the manufacturer's  
    specifications for fitting and removing, if not  
    otherwise required in these instructions.
  
- Check that your vehicle type is listed in the -  
    certificate as being released for this kit.
  
- Check the product for all components before -  
    starting installation!
  
- Check that dimensions and fastening points are -  
    comparable between the original and Bilstein  
    shock absorbers.
  
- Remove the negative battery pole. -
  
- Directional references (left, right, front, rear) are -  
    always with reference to the driving direction.
  
- The test vehicles are left- hand drive cars. -

**After installation please observe  
the following points:**

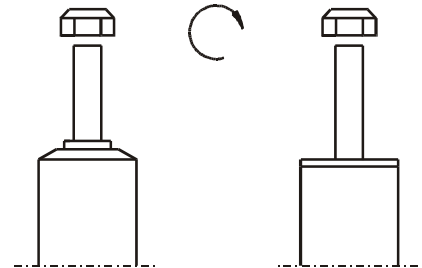
- Set the vehicle height by adjusting spring plates -  
and lock nuts on the new dampers. Only use the  
supplied spanner wrenches.
  
- After installing the suspension system, caster -  
and camber must be checked and adjusted  
according to manufacturer's specifications.
- Check and reset load- dependent brake  
    compensator and ABS system according to  
    manufacturer's specifications.
- Check and adjust headlight aim. -
  
- Because the vehicle has been lowered, -  
    freedom of movement for all wheel-/  
    tire- combinations must be checked.
  
- All rubber- mounted strut/ damper attachments -  
    must not be fully tightened  
until AFTER the suspension system is loaded  
(wheels on the ground). Other mounting  
fasteners (for example brackets)  
must be securely tightened BEFORE load  
is placed on the suspension system.
- Connect the negative battery pole. -



All diagrams are generalized and not to scale! brackets, etc. specific to strut are not shown!

**list of torques**

	M 8	M 10	M 12	M 14	M 16	Thread
	13	25	45	72	110	Torque Nm
	10	19	34	54	83	Torque ft lb



**Do not use impact tools for loosening or tightening fasteners, because this may destroy the threads. Self- locking nuts must only be used once!**

## Removal

Place vehicle on a wheel-free-car hoist, lift it and remove wheels.

Vehicles equipped **with xenon headlight** the movable element of sensor for the headlamp levelling controller must removed before.

**Pay attention that support wires of brake system are strain-free during removal. Stabilization by suitable means is demanded.**



Remove bottom mount.

If necessary release brake hose/ brake hose holder/ stabilizer/ ABS- hose and/ or swing-support at strut.

Remove top mount from support bearing.

Remove complete strut and clamp it in an appropriate strut vice.

Using a suitable, licensed spring compressor, compress suspension spring until tension on support bearing is free to move.

Release centre nut and remove original mounting parts and coil spring. Please refer to diagram to identify which parts will be replaced with BILSTEIN- supplied components.

## Installing

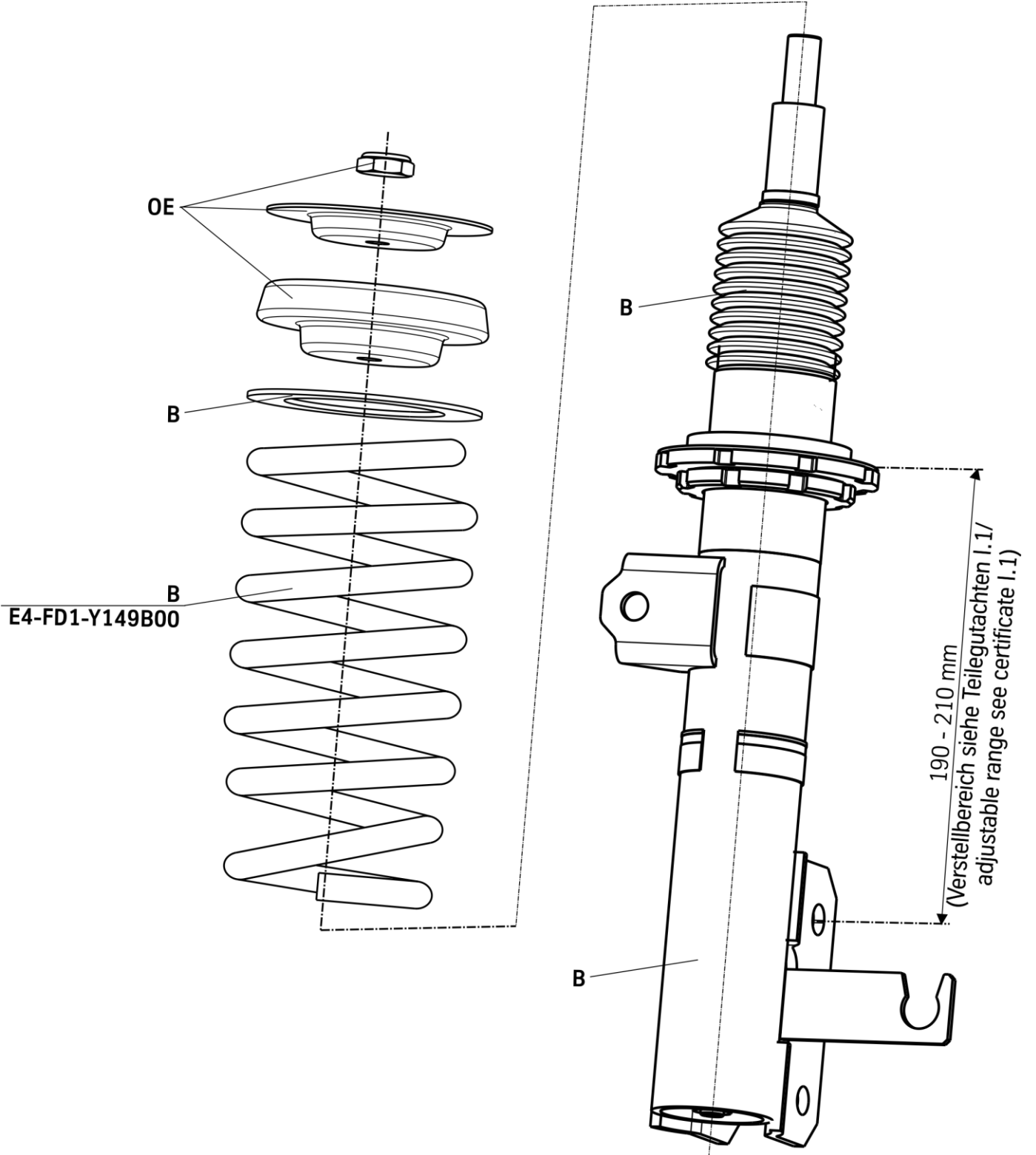
Do not reuse original dust cover and original-bumper, since BILSTEIN- strut has built in bump stop.

Assemble BILSTEIN and/ or original mounting parts, as well as the new BILSTEIN spring on the BILSTEIN strut in reverse order to removal.

**IMPORTANT! Spring plates must not be adjusted outside the ranges specified below!**

The correct mounting position of the suspension springs can be determined by the printing on the springs; install them with the print upright.

Fit assembled BILSTEIN strut to the vehicle in reverse order to removal.





## mounting instruction for rear axle

### Removal

Place vehicle on a wheel-free-car hoist,  
lift it and remove wheels.

**Pay attention that support wires of  
brake system are strain-free during  
removal. Stabilization by suitable  
means is demanded.**

Remove bottom fixing mount at shock ab-  
sorber first, then remove top fixing mount  
from support bearing.

Remove original shock absorber.

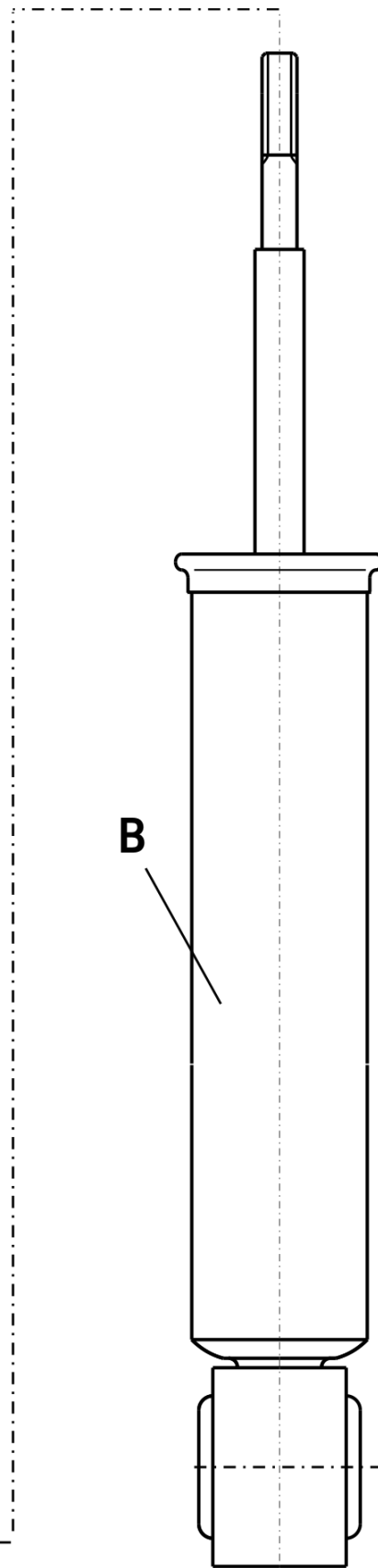
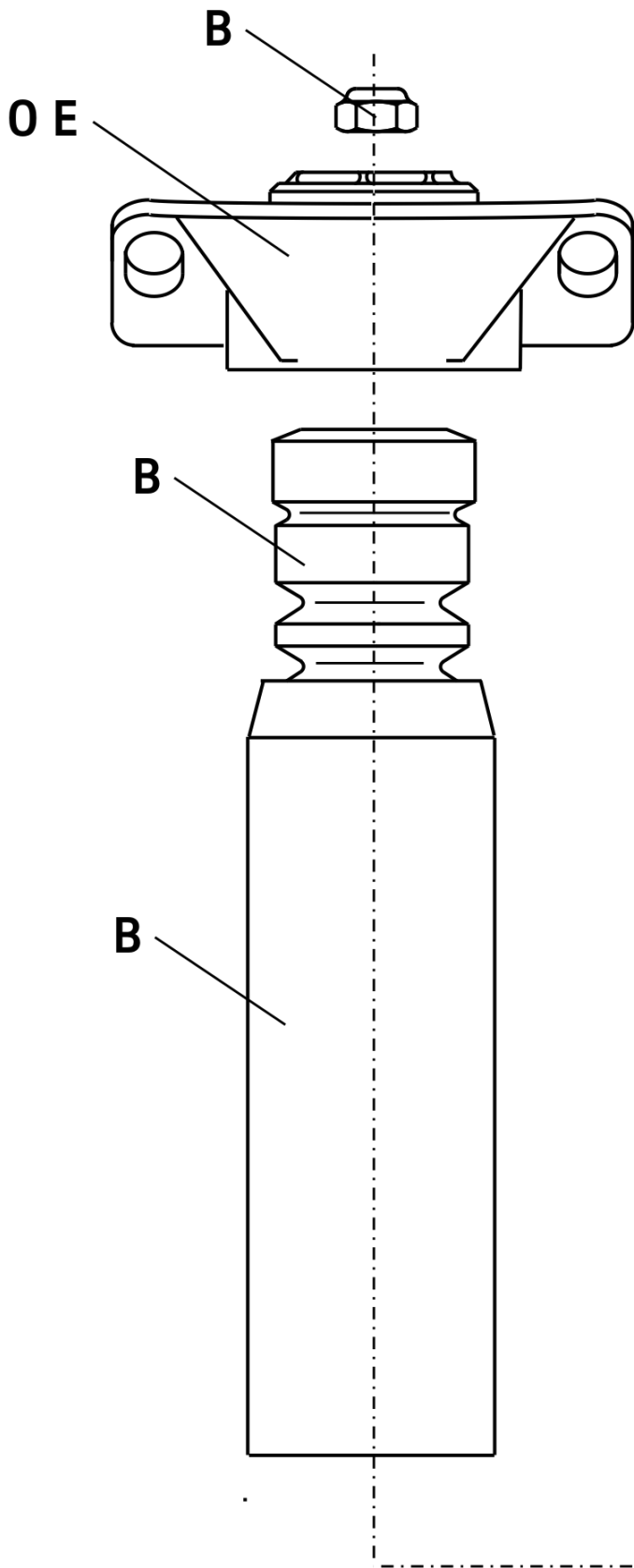
### Installing

Fit BILSTEIN and original mounting parts on  
BILSTEIN shock absorber according to the  
sketch next page.

Fit BILSTEIN shock absorber to the vehicle  
in reverse order to removal.

## note for rear axle height adjustment

The top original rubber pad must shorten like  
shown on page 20.



mounting instruction for rear axle height adjustment

