



Contents:

Certificate (removable) **for:**

Mercedes Benz E-class (W213) 4MATIC B16 PSS10 -

mounting instruction -



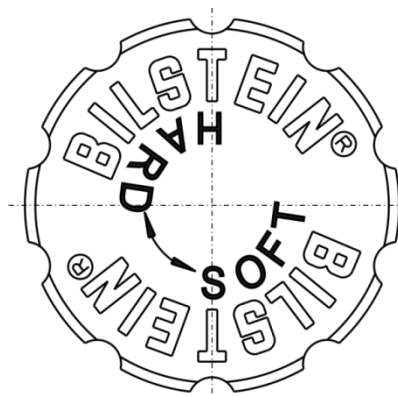
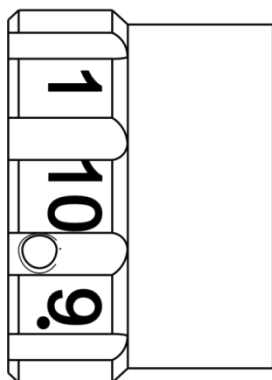
**Before installation please observe
the following points:**

- Read all information in this manual carefully.
All suspension components are fitted and removed acc. to the manufacturer's specifications for installing and removal, if not otherwise required in these instructions.
- Check that your vehicle type is listed in the certificate as being specified 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.
- Directional references (left, right, front, rear) are always with reference to the driving direction.
- Remove the negative battery pole.
- The tested vehicles are left- hand drive vehicles.

**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.
- 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.
- Because the vehicle has been lowered, freedom of movement for all wheel-/ tire- combinations must be checked.
- Connect the negative battery pole.
- After installing the suspension system, caster and camber as well as sensors adjustment of the driver assistance systems (for example, radar sensor and camera systems) 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 setting.

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



position **1** = **comfort**

position **10** = **sport**

During the adjustment you will hear a positive „click“ at each position of the adjustment.

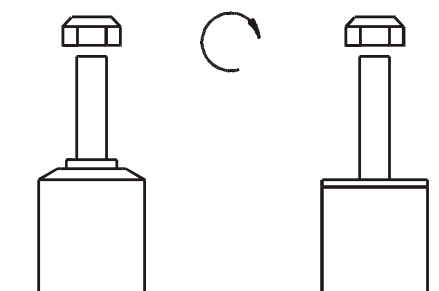
Instruction for the rear axle

Adjusting position must aligned with the red mark below adjusting knob.

Status of delivery is position **1**.

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 an impact tool to loosen or tighten fasteners due to possible damage to the product.

Self- locking nuts must only be used once!



mounting instruction for front axles left/right

Removal shock absorber

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

Vehicles equipped with xenon headlight the 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 mounting.

Remove top fixing nuts from support bearing.

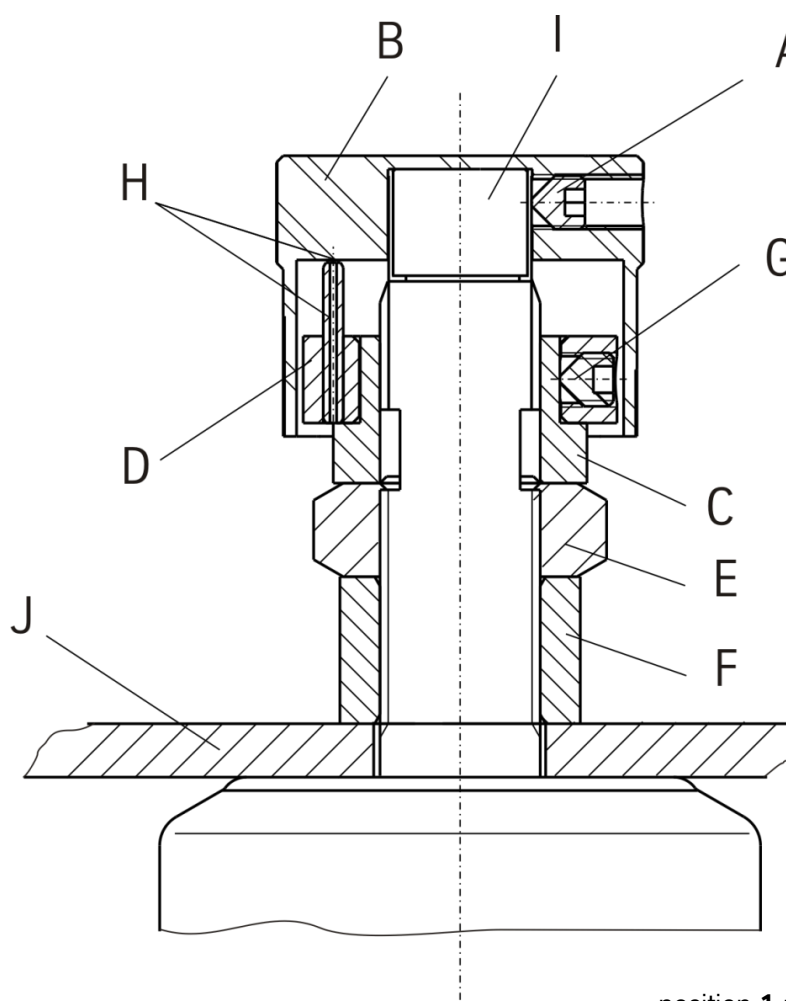
Do not remove central nuts at this time!

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

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

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

- A- Set screw
- B- head
- C- lock nut M12x 1
- D- End stop disc
- E- lock nut M12x 1
- F Support ring
- G screw
- H End stop pin
- I Adjusting screw
- J OE Support bearing



position **1** = **comfort**
 (counter-clockwise direction)
 position **10** = **sport**
 (clockwise direction)

Note
 Status of delivery is position **10**.



Installation Adjustment Unit PSS10

For fitting support bearing on shock absorber
please choose flat fork spanner!

**Support bearing must be drilled
to 12,1mm!**

After installing support bearing(J) tighten
nut (E) with support ring (F) to block. Tighten
lock nut (C).

Pins (H) are end stops.

Place the adjusting knob (A) flat on
the adjusting screw (I) and turn it
clockwise to end stop.

Fix the adjusting head (B) with set
screw (A).

The adjusting head should move easily and
with distinct “clicks” at each adjustment po-
sition. If not, disassemble the adjustment
unit and reassemble acc. to the instruction.

Installation shock absorber

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 in the certificate!**

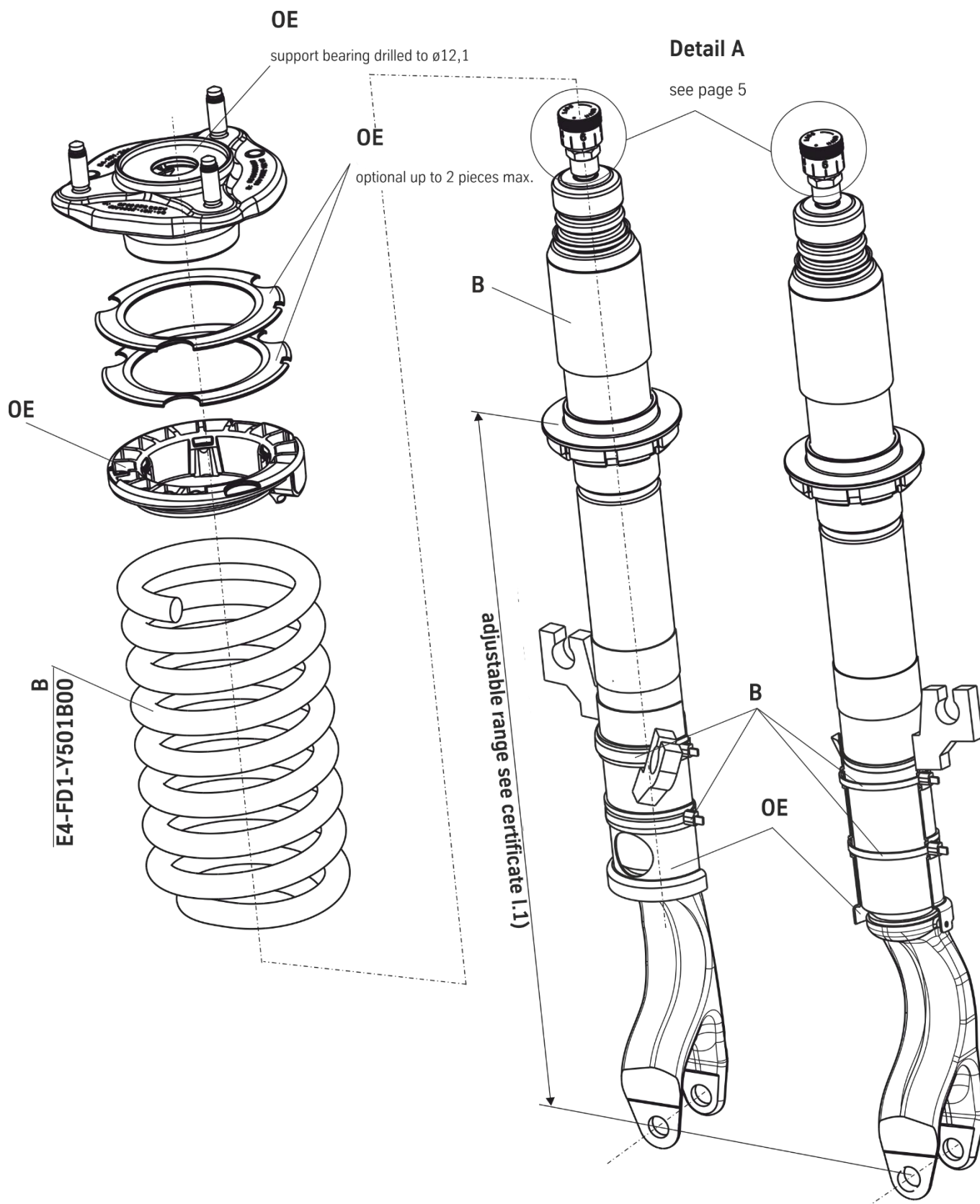
Fit assembled shock absorber to the
vehicle in reverse order to removal.

The cable harness above the ad-
justment must be protected against
damages by using appropriate aids.

The cable harness as well as air
conditioning line above the adjust-
ment must be protected against
damages by using appropriate aids.

OE= Original Equipment

B= Delivered by BILSTEIN



mounting instruction for front axles left/right6



Fixing of original brake hose holder (plastic) by using both cable strips delivered by BILSTEIN, same as original.

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 top fixing mount and bottom fixing mount from support bearing.

Remove original shock absorber.

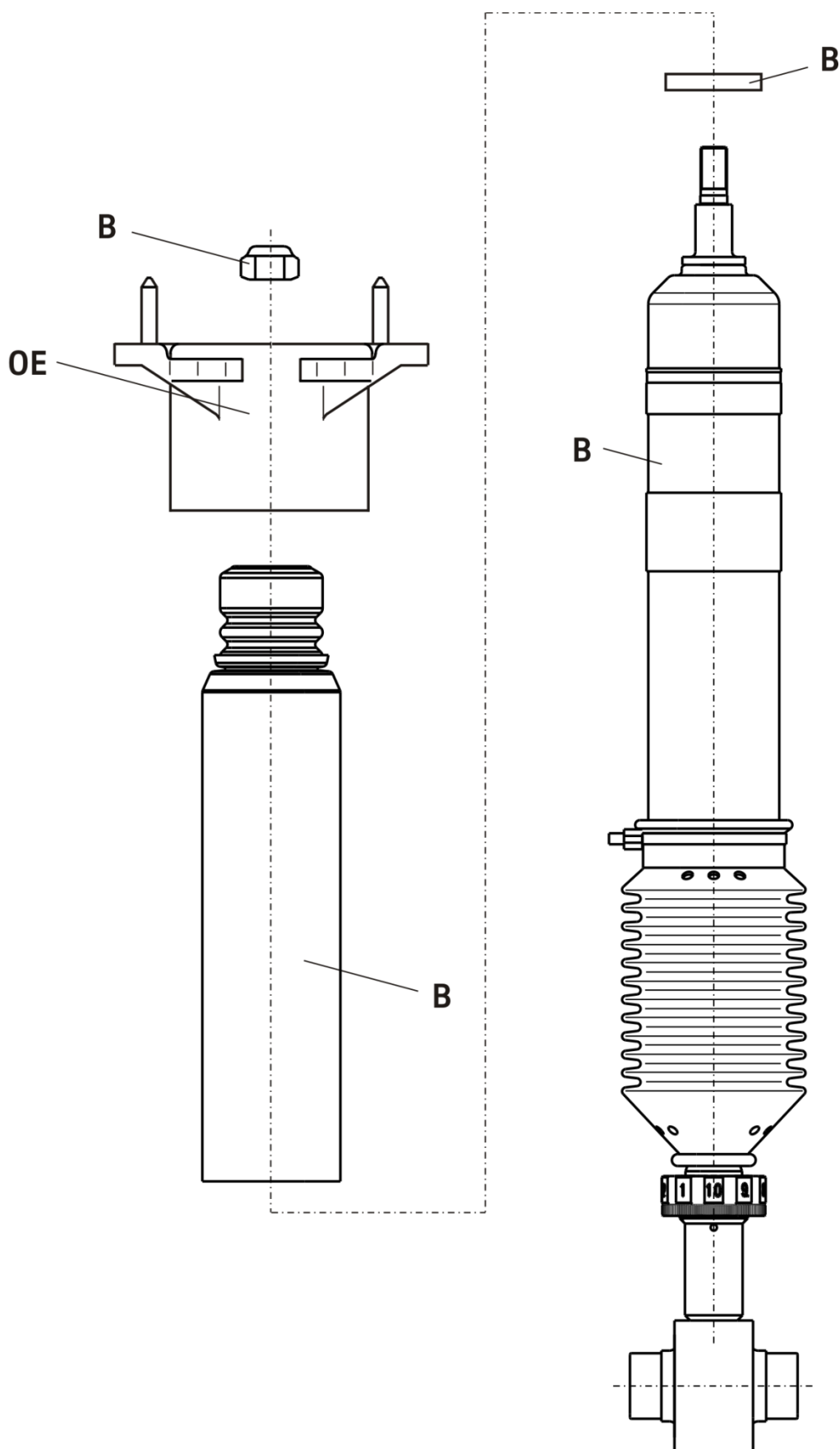
Installation

Assemble BILSTEIN and/ or original mounting parts on BILSTEIN shock absorber in reverse order to removal.

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

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B= Delivered by BILSTEIN



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