

E4-WM5-Y166A00

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 fitting and removing, if not otherwise required in these instructions.
- 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.
- The test vehicles are left- hand drive cars.

After installation please observe the following points:

- 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.

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

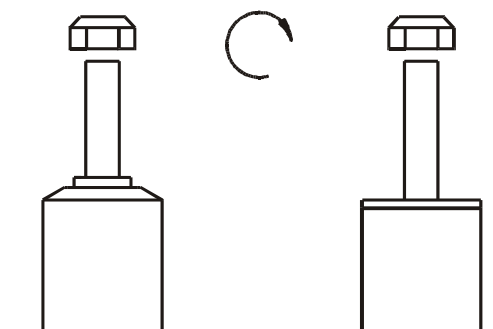
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- list of torques

	M8	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!

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1. BILSTEIN shock absorber with original spring
2. BILSTEIN shock absorber with BILSTEIN spring
3. Original shock absorber with BILSTEIN spring

Removal

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

Place vehicle on a chassis hoist, lift it and remove wheels. If necessary release brake hose/ brake hose holder/ stabilizer/ ABS-hose and/ or swing- support at strut.



***Mark position of spring before remove!
The lower control arm must be supported by suitable means!***

Remove bottom mount.

Remove top fixing nuts from support bearing.
Do not remove centre nut at this time!

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

Compress suspension spring until tension on support bearing is released. Release centre nut and remove original equipment mounting parts.

Installing

Fit original mounting parts on strut in reverse sequence to removal, except for bump stop and dust cover, BILSTEIN monotube strut has built in bump stop.

Replace original mounting parts with new ones if they are not in good condition.

Fit assembled strut to the vehicle in reverse sequence of removal.

All self- locking nuts must be replaced. Tightening torques see list.



Before releasing the spring, care is to be taken to ensure that the ends of the spring rest in the cut outs of the top and bottom spring plates.

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