

E4-WM5-Y180A08

MOUNTING INSTRUCTION



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 setting.
- The 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 again.

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

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 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.
- The test vehicles are left- hand drive vehicles.
- Disconnect the negative battery pole.

E4-WM5-Y180A08

MOUNTING INSTRUCTION



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

Installation

Fit original/ BILSTEIN mounting parts on strut in reverse order as removal, except for bump stop, since BILSTEIN- strut has built in bump stop. Please refer to diagram to identify which parts will be replaced with BILSTEIN- supplied components also. If there are no dust cover and/ or no spring washer delivered by BILSTEIN, the original one is to be reused.



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

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 as removal.

Removal

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



The lower control arm must be supported by suitable means!

Remove bottom mount.

If necessary release brake hose/ brake hose holder/ stabilizer/ ABS- hose and/ or swing-support at strut. At support suspension arm, screw on top, inside must be released a little.

Remove top fixing nuts from support bearing.

Do not remove central nut at this time!

Remove complete strut 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.

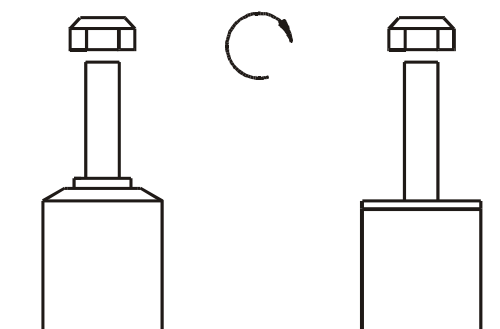
ATTENTION: Some models are equipped with plastic- dustcover cap also. This cap **do not** reuse!

E4-WM5-Y180A08 MOUNTING INSTRUCTION



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!

front axle left/ right

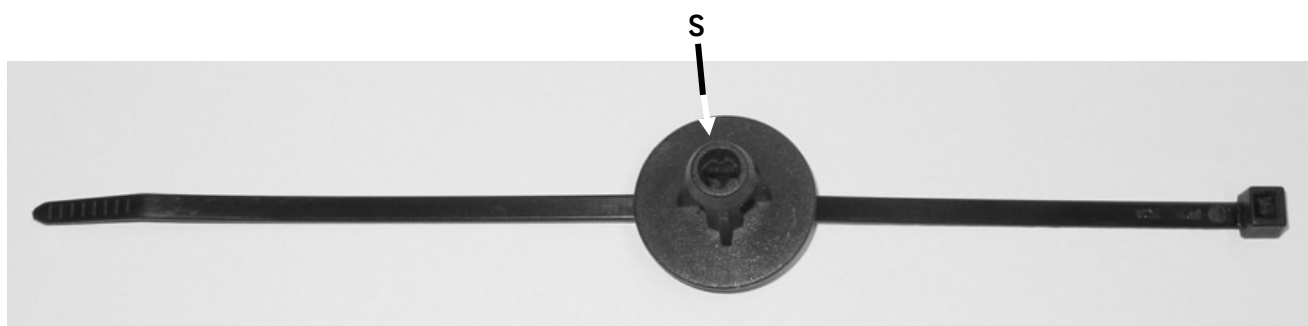
Original ABS- Halteclips entfernen und ABS- Kabel und/ oder Sensor- Halter mit den im Lieferumfang enthaltenen Kabelhaltern (Bild 1) spannungsfrei verlegen.

Remove original ABS clips and fit ABS wire and/ or sensor bracket strain-free by using cable clips (pic 1) delivered by Bilstein.

The cable clip sockets (**S**) must snap into the bolts (**P**) positioned on strut.

You can remove the cable clip sockets from bolts non- destructive by rotation.

Do the fitting with maximum steer angle!



E4-WM5-Y180A08 MOUNTING INSTRUCTION



B= BILSTEIN Lieferumfang
Delivered by BILSTEIN

OE= Original Anbauteile
Original Equipment

