

E4-WM5-Y424A00

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 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 tested vehicles are left- hand drive vehicles.
The installed location of the BILSTEIN B6 damptronic cable system is optional. The system components may be located anywhere in the vehicle in accordance with the specifications of manufacturer and BILSTEIN.

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.
- If the vehicle has been lowered, freedom of movement (clearance) 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.

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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 mounting.

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

Detach cable connection from dome inside engine compartment. Remove plastic cover and remove cable connection from strut.

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 support bearing is free to move.

Fit original/ BILSTEIN mounting parts on strut in reverse order as removal. Please refer to diagram to identify which parts will be replaced with BILSTEIN- supplied components.

The original spring pad must be reused!

Installing

Assemble BILSTEIN and/ or original mounting parts to the BILSTEIN strut in reverse order as removal.



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

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

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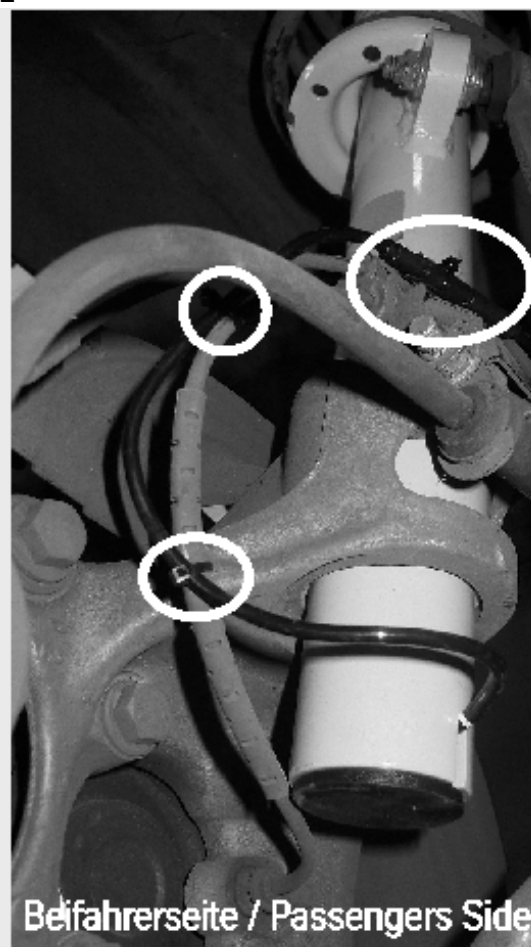
Installation of the cable harness for front axle

Guide the cable from bottom edge of strut along ABS-sensor cable until range of plug housing box (pic.3). Continue guiding between body post and inner fender into the engine compartment. e.g. the plug can be attached to the uprated coating of the sensor cable.

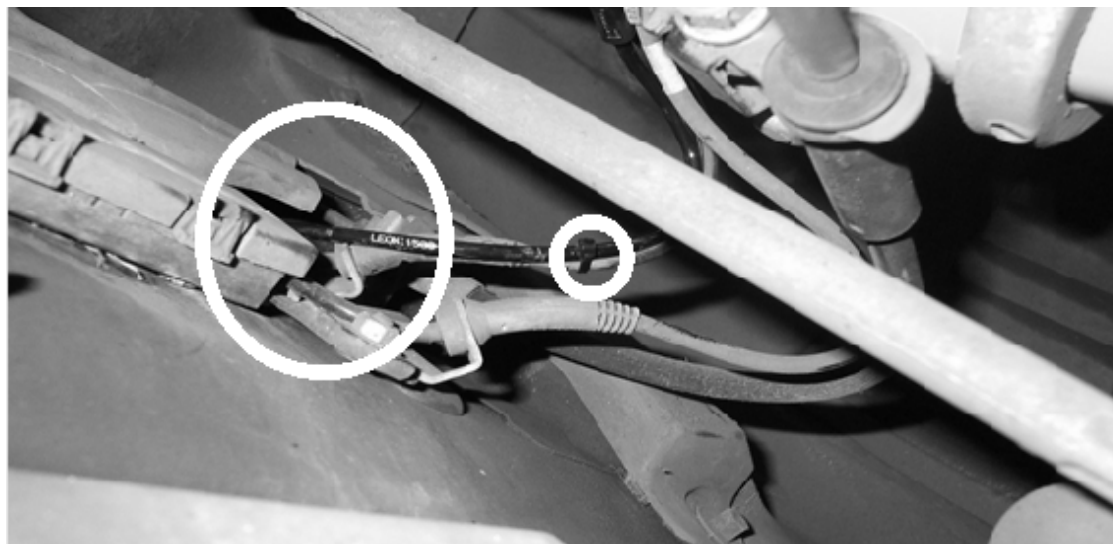
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2



3



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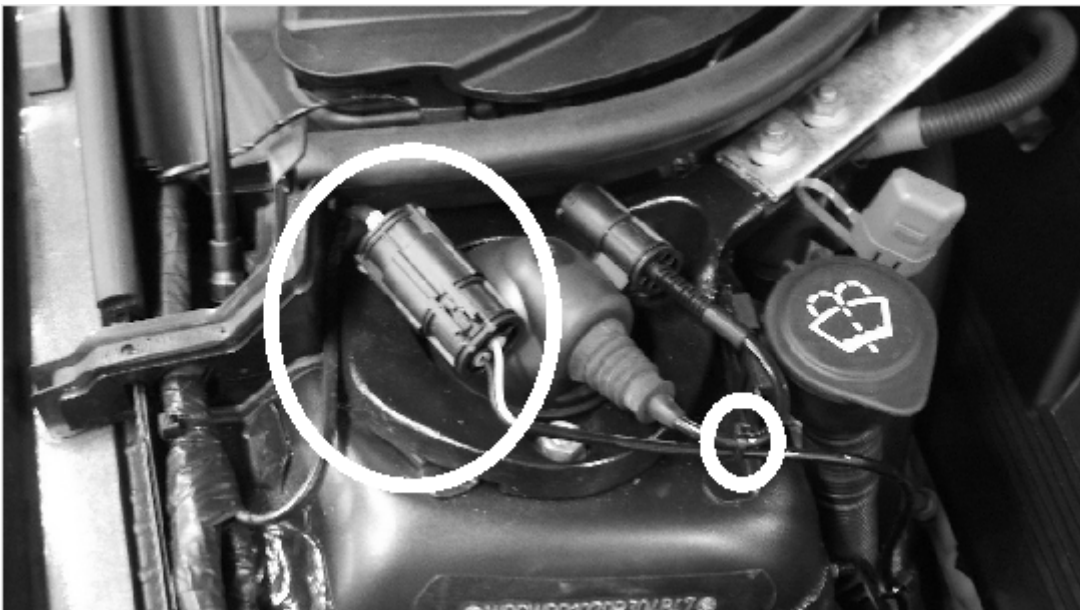
Guide the cable parallel to the filler neck of wipe-and-wash system at passenger's side and attach it with cable strips delivered by BILSTEIN on the threaded pin beneath the ground connection.

4



Replace the plastic cover of the strut on the dome. Attach the new plug housing of the adapter cable to the free slot on opposite side. The original plug housing remains in its original place.

5

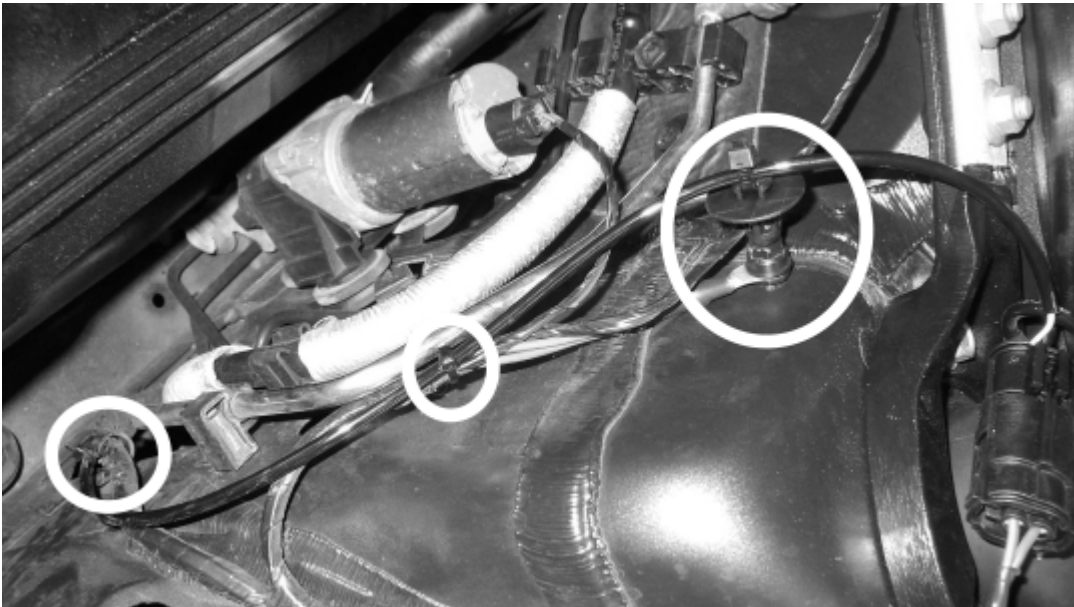


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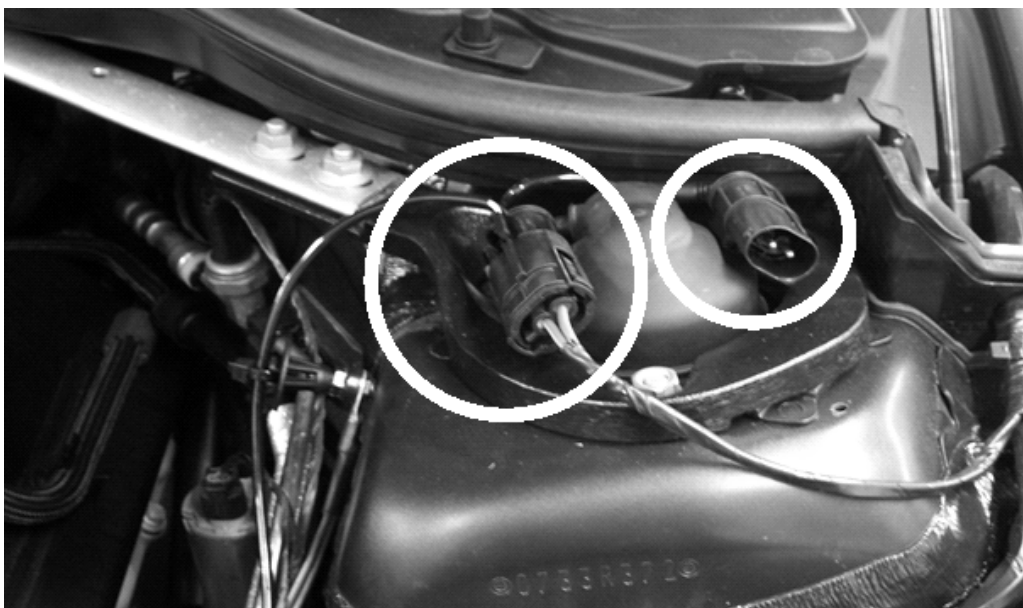
Secure the cable on driver's side to the cable holder of an original cable harness and guide it parallel to the air condition wire. Finally secure it by using a cable strip to the threaded pin of ground terminal. Before the installation of the front cable harness it might be helpful to remove the air- cleaner box.

6



Connect the plug housing of the new adapter cable to the original plug and to the free slot at opposite side. Mounting to the original free slot is not possible because the cable harness will be kinked too much. So both slots at the driver's side must be interchanged while installing the system.

7



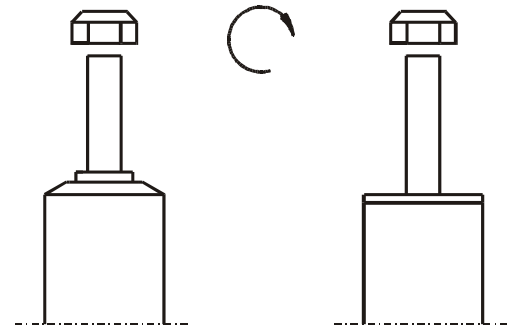
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All diagrams are generalized
and not to scale!
Brackets, etc. specific to
strut are not shown!

- 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 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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