



AUDI A6 4B), sedan/ station wagon 2WD
VW Passat (3BG), sedan/ station wagon 2WD
SKODA Superb (3U), sedan 2WD



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

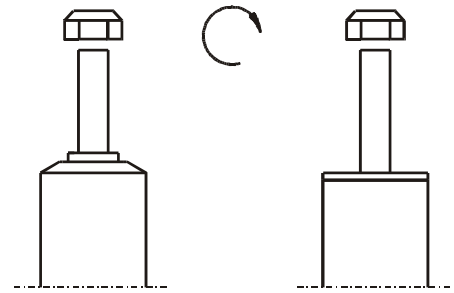
- Read all information in this manual carefully.
All suspension components are fitted and removed acc. to the manufacturer's specifications for fitting and removing, if not otherwise required in these instructions.
- Check that your vehicle type is listed in the certificate as being released for this 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.
- 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.

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!**

Removal

Place vehicle on a chassis hoist, lift it and remove wheels.

Disconnect the negative battery pole.

Remove socket plug for ABS-sensor. Vehicles equipped with xenon headlight the sensor for the headlamp levelling controller must be removed before.



The lower control arm must be supported by suitable means!

Remove bottom mount.

Remove top fitting of wishbone support at front axle.

Remove top fixing nut from support bearing. Do not remove centre 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 released.

Release centre nut and remove original mounting parts and coil spring.

Installing

Assemble BILSTEIN and/ or original mounting parts, as well as the new BILSTEIN spring on the BILSTEIN strut in reverse sequence of removal. Original rubber spring pad must be removed! Original washer must be reused!



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.

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

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

Connect the negative battery pole again.

IMPORTANT! The adjustment range of the spring plates is only approved within the range of the values given in Point 1. Adjustment must be carried out so that the body is level when the vehicle is empty apart from the driver. The lowest approved adjustment and the permissible adjustment range are to be entered, stating the fixed axle reference points (Example, see below).

Manufacturer	AUDI	
ABE-/ EG- BE- No.	e1*96/27*0051*.., e1*98/14*0051*.., e1*2001/116*0051*..	
type designation	4B	
model	AUDI A6, front wheel drive, Sedan and Station Wagon	

Manufacturer	Volkswagen, VW	
ABE-/ EG- BE- No.	e1*95/54*0043*.., e1*98/14*0043*..	e1*98/14*0157*.., e1*2001/116*0157*..
type designation	3B	3BG
model	Passat, front wheel drive Sedan and Station Wagon	

Manufacturer	Skoda	
ABE-/ EG- BE- No.	e11*98/14*0187*..	
type designation	3U	
model	Superb, front wheel drive Sedan	

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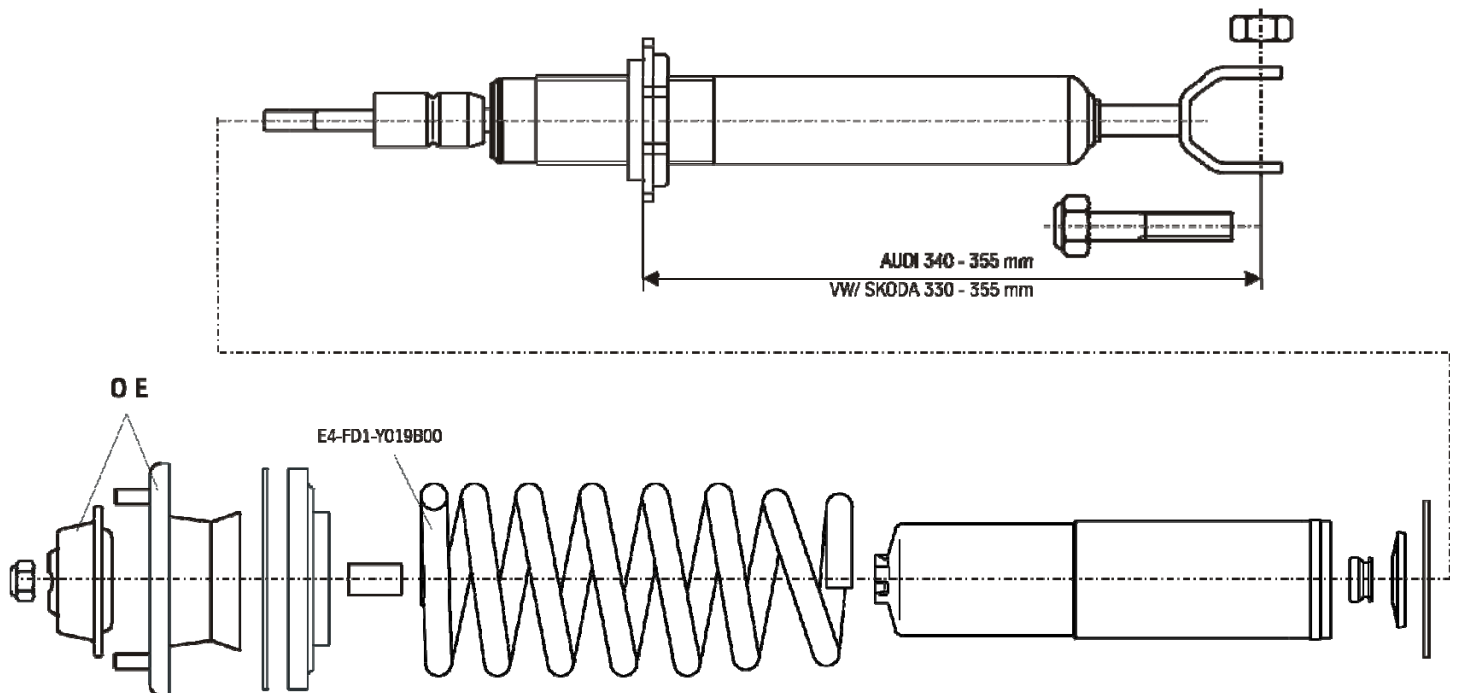
FRONT		
spring part number	main spring E4-FD1-Y019B00	
shock absorber part number	BE5-C663 without damping force adjustment	
max. permissible axle load	AUDI A6 →max. 1205kg/ →max. 2651lb	VW Passat, Skoda Superb →max. 1230kg/ →max. 2706lb
permissible adjustment range	340 – 355 mm* = 15 mm range	330 – 355 mm* = 25 mm range
* measurement:	top edge of spring seat down to the centre of bottom mounting screw	

REAR		
spring part number	main spring E4-FD1-Y382A00	
shock absorber part number	BE3-C622 without damping force adjustment	
max. permissible axle load	AUDI A6 →max. 1130kg/ →max. 2486lb	VW Passat, Skoda Superb →max. 1200kg/ →max. 2640lb
permissible adjustment range	27 – 37 mm* = 10 mm range	17 – 37 mm* = 20 mm range
* measurement:	top edge of spring seat down to original spring seat	

- There are no technical objections against the use of all O.E. wheel-/ tyre combinations.
- There is also no technical reason to object to the use of special wheel/tyre combinations, provided the following conditions are met:
 - Special TÜV assessments or approvals have been obtained for the relevant wheel/tyre combination and the necessary conditions are met.
 - If the series bump travel limitation has to be modified as a result of conditions laid down in these test reports (e.g. change of O.E. bump stops or installation of additional bump travel limiters), the characteristic line of the axle suspension has to be verified and assessed new (assessment acc. to §21 StVZO).
- The ground clearance in unladen state is reduced by the installation of special springs. It is the approximate equivalent of that of a partially laden series vehicle. When the vehicle is loaded to the admissible axle loads the ground clearance does not change as compared to the series vehicle. If spoilers, rear aprons and special exhaust systems are mounted, however, the reduced angle of slope must be noted (travelling on ramps etc.).

The specified minimum height of the coupling ball above the road surface with the permissible total weight of the vehicle (acc. DIN 74058) is 350 mm.

front axle



Removal

Place vehicle on a chassis hoist, lift it, remove wheels and wheel-house liner.

Disconnect the negative battery pole.



The lower control arm must be supported by suitable means!

Remove top and bottom fixing mount from support bearing.

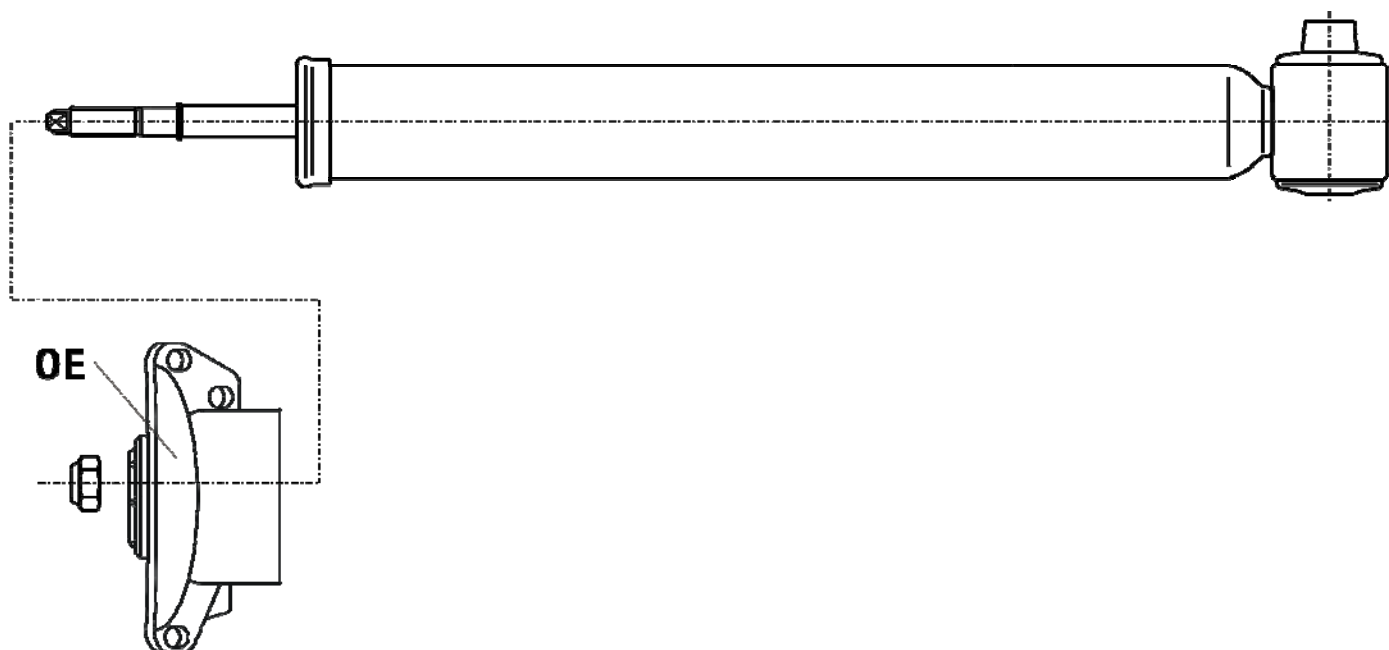
Remove shock absorber and original mounting parts.

Installing

Fit BILSTEIN and/ or original mounting parts in BILSTEIN shock absorber in reverse sequence of removal.

Fit BILSTEIN shock absorber to the vehicle in reverse sequence of removal.

Connect the negative battery pole again.



OE = Original Anbauteile

