



**Contents:**

**Certificate -**

**TOYOTA Yaris (XP9/XP13) B14 -**

**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 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.
- Remove the negative battery pole.
- 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 plate and lock nut\* 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 setting.
- Because the vehicle has been lowered, freedom of movement (ground 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.

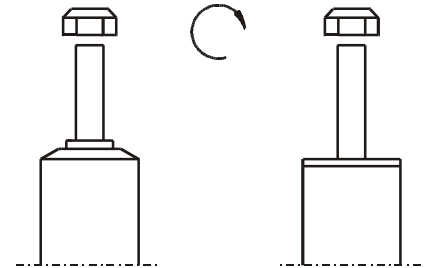
\* optionally: locking device by using setscrew



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

### 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 impact tools for loosening  
or tightening fasteners, because  
this may destroy the threads.  
Self- locking nuts must only be  
used once!**

### front axle hight adjustment

Install the front axle hight adjustment as it is  
shown on page 13. Fix the spring plate with the  
the rubber balls (1) and set screws (2) by using  
hex key delivered by BILSTEIN.

Torque 12 +3 Nm

## Removal

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

Vehicles equipped **with xenon headlight** the movable element of 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 mount.

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

Remove top mount from support bearing.

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

Using a suitable, licensed spring compressor, compress suspension spring until tension on support bearing is released.

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

## Installation

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 below! Do not damage the piston rod when knocking on the cap (see fig.1)! The spring seats are fixed with rubber bullets and setscrews. After several adjustments ( around 5 - 10 times) the rubber bullets should be replaced, otherwise the thread from the dampers can be damaged. Suggestion: after any adjustment should the rubber bullet be replaced**

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 to removal.



**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 bottom fixing mount at shock absorber first, then remove top fixing mount from support bearing.

Remove original shock absorber.

Remove original bumper inside dust cover.

**Installing**

Fit BILSTEIN mounting parts on BILSTEIN shock absorber according to the sketch next page.

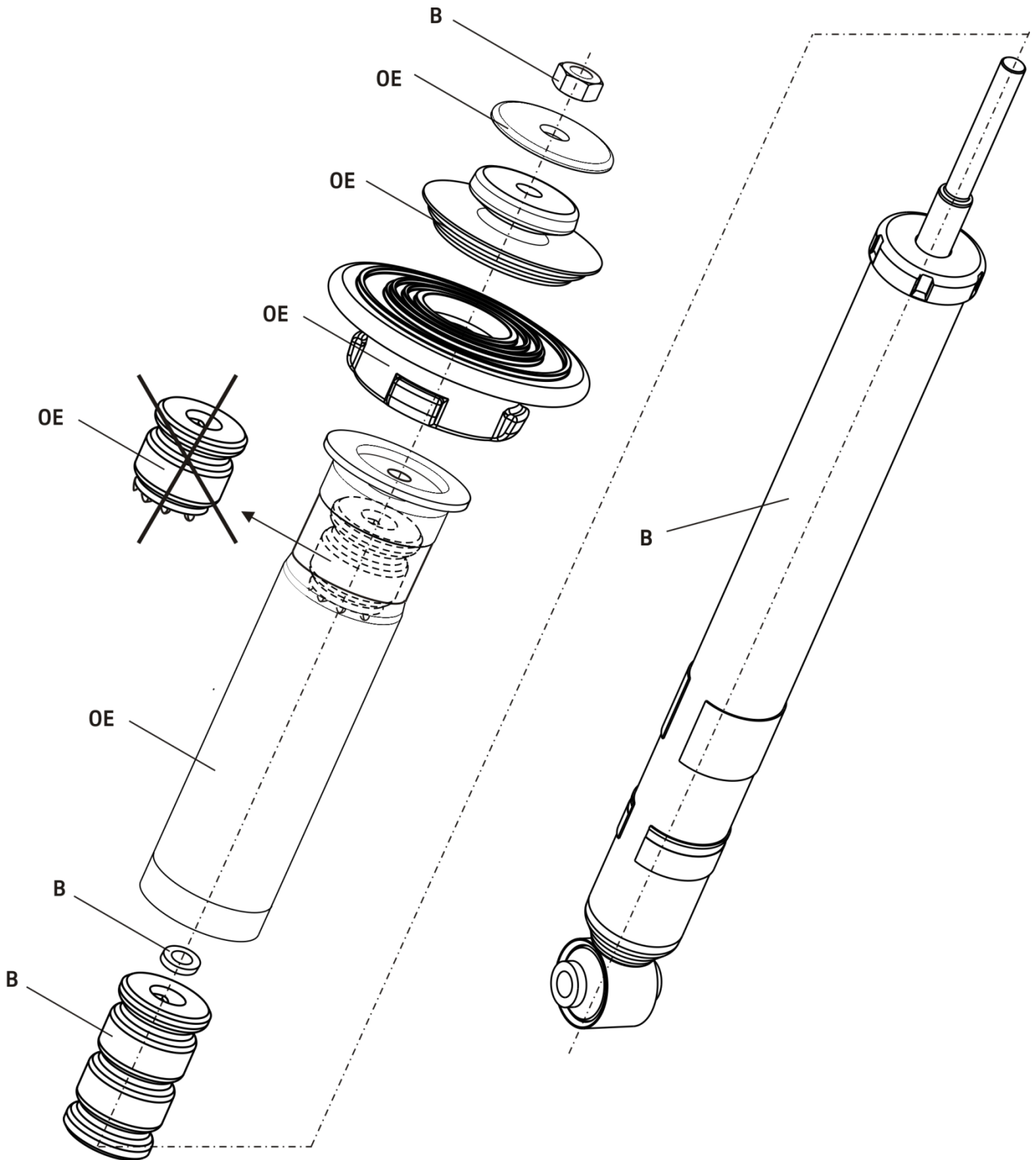
Fit BILSTEIN shock absorber to the vehicle in reverse order to removal.

**rear axle high adjustment**

Install the rear axle high adjustment as it is shown on page 16. Fix the spring plate with the hook wrench delivered by BILSTEIN.

**OE** = Original Equipment

**B** = Delivered by BILSTEIN



**- mounting instruction for rear axle height adjustment**

**OE**= Original Equipment

**B**= Delivered by BILSTEIN

