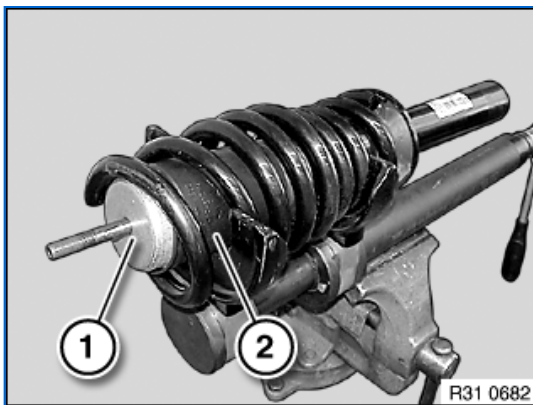
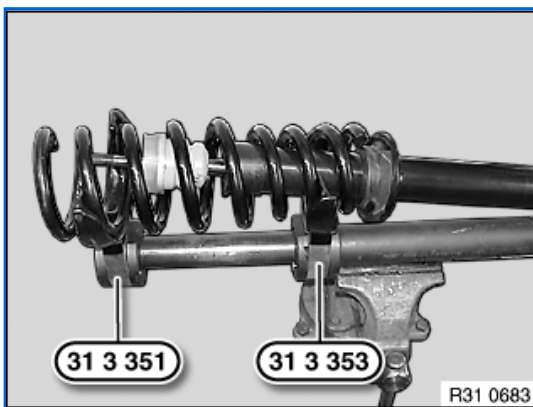


inside the  
shock  
absorber!



Remove support cup (1) and protective tube (2).



Relieve tension on coil spring.

Remove coil spring with shock absorber from special tools [31 3 351](#) and [31 3 353](#).

Remove shock absorber from coil spring.

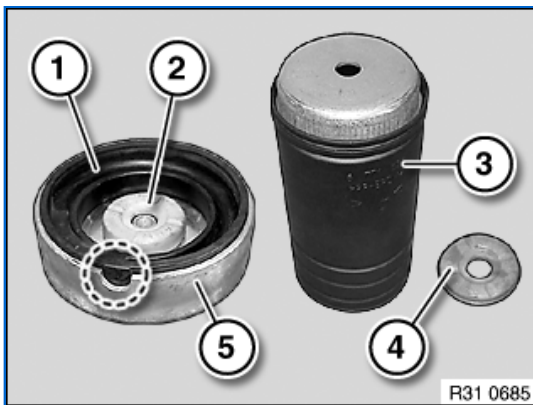
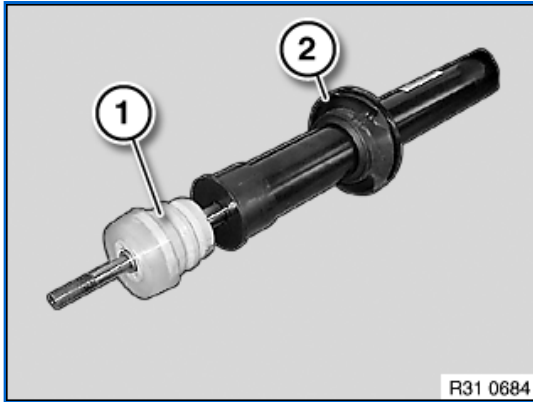
If necessary, remove auxiliary damper (1) and spring pad (2) from shock absorber.

**Assembly:**

Check auxiliary damper (1) and spring pad (2) for damage, replace if necessary.

*Note:*

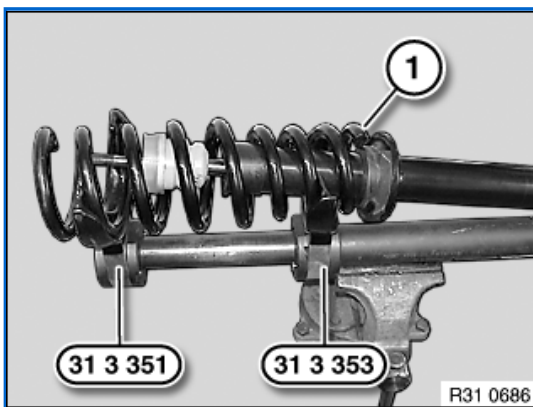
Make sure spring pad (2) is correctly seated in spring cup.



Check spring pad (1), support bearing lower section (2), protective tube (3) and support bearing upper section (4) for damage, replace if necessary.

*Note:*

Align spring pad (1) by means of coding to support bearing flange (5).



Insert shock absorber into coil spring.

Accommodate coil spring and spring strut with special tools [31 3 351](#) and [31 3 353](#).

*Note:*

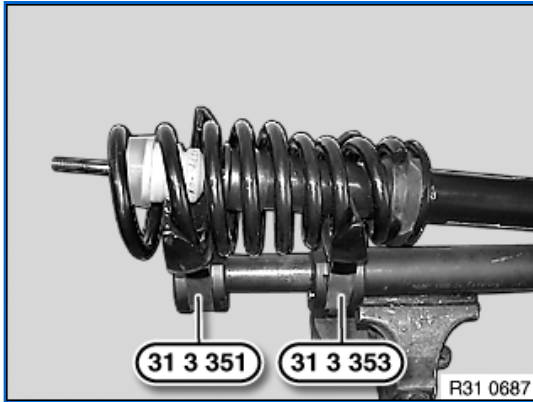
End of coil spring (1) must point upwards.

**Warning!**

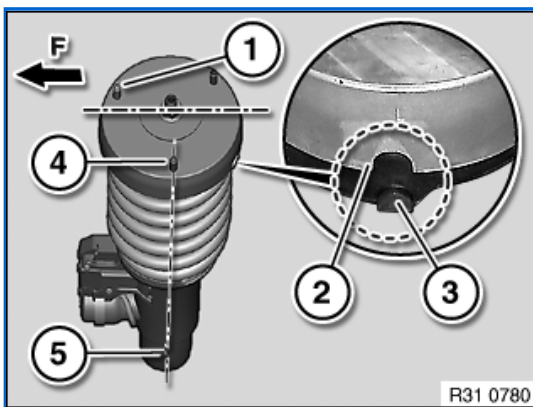
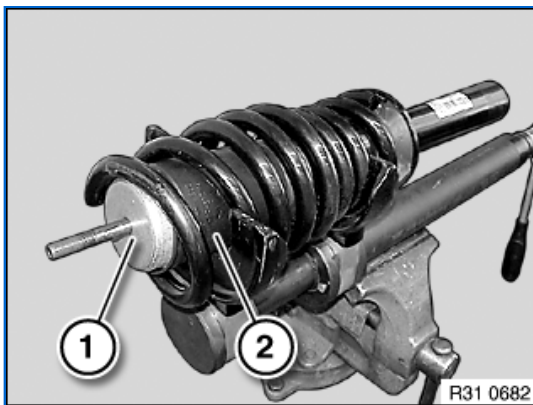
Do not compress coil spring to full extent.

Coils of coil spring must be located completely in recesses of special tools [31 3 351](#) and [31 3 353](#)!

Tension coil spring until support bearing flange can be mounted.



Attach support cup (1) and protective tube (2) to piston rod.



Left spring strut only:

**Important!**

Stud bolt (1) above recess (2) must point in direction of travel (F)!

Coding (3) of spring pad must be seated in recess (2) opposite stud bolt (1)!

Version with Vertical Dynamics Management:

Stud bolt(4) must be flush with positioning pin (5)!

Right spring strut only:

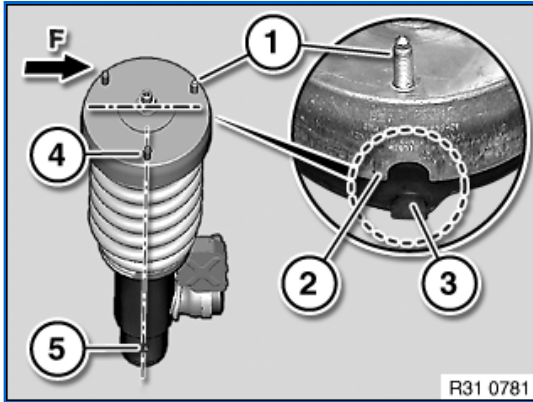
**Important!**

Stud bolt (1) above recess (2) must point in direction of travel (F)!

Coding (3) of spring pad must be seated in recess (2) below stud bolt (1)!

Version with Vertical Dynamics Management:

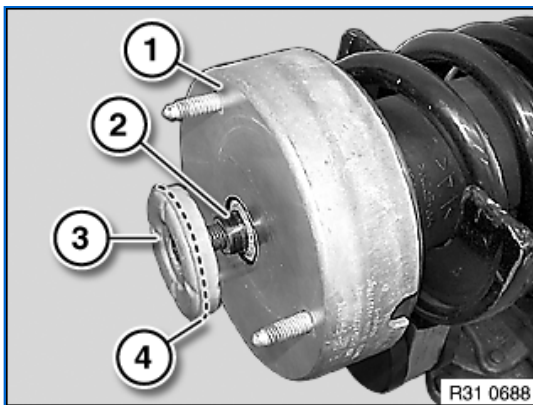
Stud bolt(4) must be flush with positioning pin (5)!



R31 0781

Attach support bearing flange (1) to piston rod.  
Align support bearing upper section (3) as illustrated and attach to inner section (2) of support bearing flange (1).

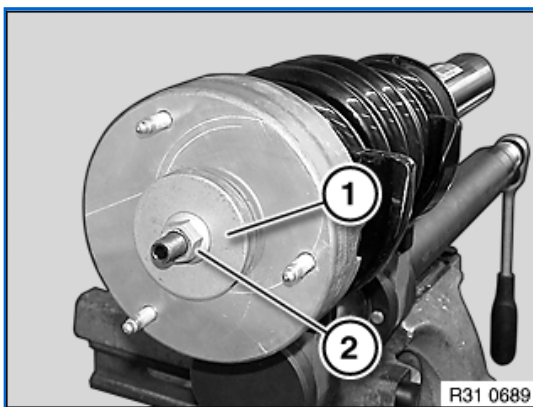
*Note:*  
Pay attention to edge (4) shown in graphic.



R31 0688

Attach flexible disc (1) to piston rod.  
Replace nut (2) and tighten down (whilst counter supporting piston rod).

Tightening torque [31 31 2AZ](#).



R31 0689



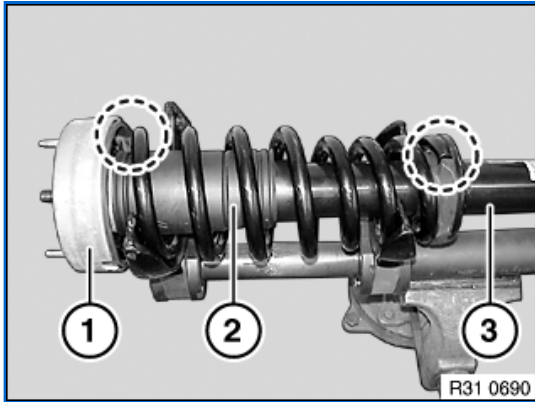
Impact screwdrivers are prohibited!  
**Risk of damage inside the shock absorber!**

**Important!**

Align support bearing flange (1) and shock absorber (3) by means of spring pads to coil spring ends.

Relieve tension on coil spring.

Check installation position of protective tube (2), correct if necessary.



**After installation with Vertical Dynamics Management:**

- Code spring strut with DIS Tester and check software version
- Carry out [vertical acceleration sensor adjustment](#).