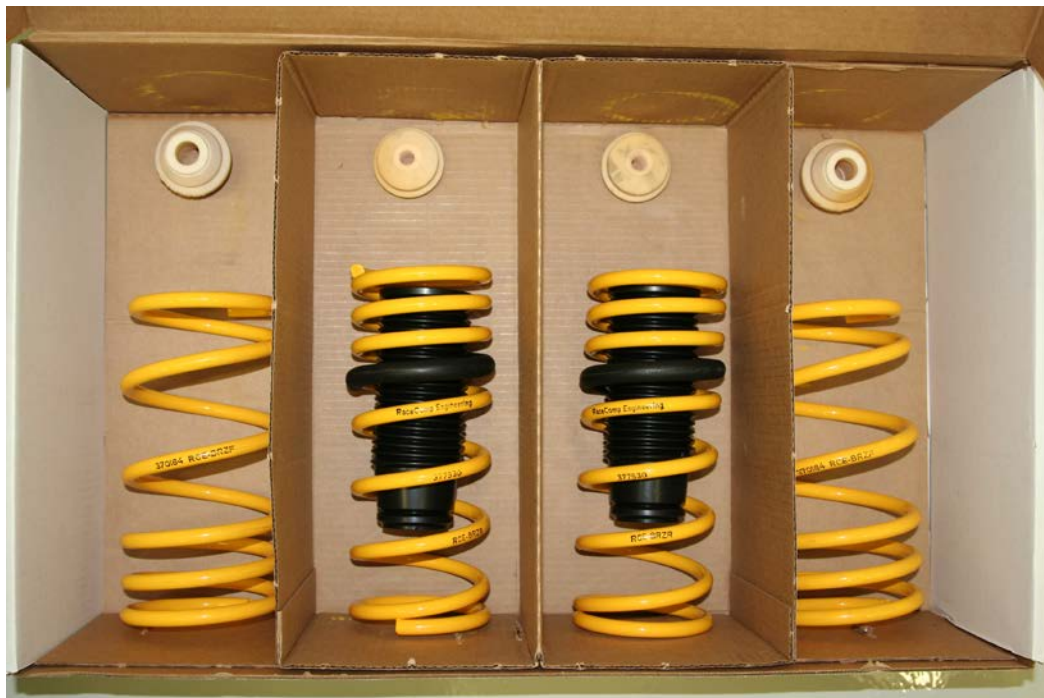


RACECOMP ENGINEERING

2013+ Subaru BRZ Lowering Springs Installation Guide



Package Contents:

2x Front Springs
2x Rear Springs
2x Front Bump Stops
2x Rear Bump Stops
2x Rear Dust Boots
1x Installation Guide

Tools Needed:

19mm Socket (6 point)
19mm Open End Wrench
12mm Socket
12mm Open End Wrench
14mm Deep Socket
14mm Open End Wrench
17mm Socket (6 point)
17mm Open End wrench
6mm Allen key
Torque Wrench
Spring Compressor
Flat Head Screwdriver
Impact Gun (optional)

DISCLAIMER:

Installation of these springs should be performed by a certified Subaru technician. RaceComp Engineering is not responsible for any damage resulting from improper installation.

Installation Instructions for Front Springs:

- 1) Jack up vehicle, place on jack stands, and remove wheels.
- 2) Remove ABS wire from front strut by using a flat head screwdriver to release both plastic clips.



- 3) Remove the 12mm bolt that attaches the brake line to the front strut and pull the brake line out of the way.



4) Remove 17mm nut that attaches swaybar endlink to strut using a 17mm open end wrench and a 6mm allen key.



5) Remove two lower 19mm clevis nuts/bolts.



6) Remove three upper 12mm nuts that fasten strut top mounts to chassis.



7) Remove strut/spring assembly from vehicle.



8) Compress spring using wall mounted or hand operated spring compressors.



9) Remove 17mm center top nut and pull top mount, dust boot, upper spring perch, and spring off of strut.

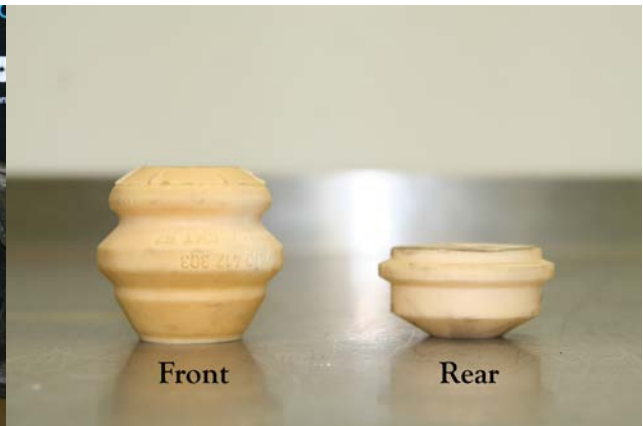


10) Pull bump stop off of shaft. It may take significant force to remove.



11) Install RCE bump stop onto shaft.

***NOTE: Front and rear bump stops are different!**



12) Compress RCE spring using spring compressors and place onto strut, making sure that it is oriented correctly in the spring seat.



13) Install upper spring perch, dust boot, and top mount.



14) Install top nut and torque to 41 ft-lb.

15) Install completed strut/spring assembly onto vehicle and torque all bolts:

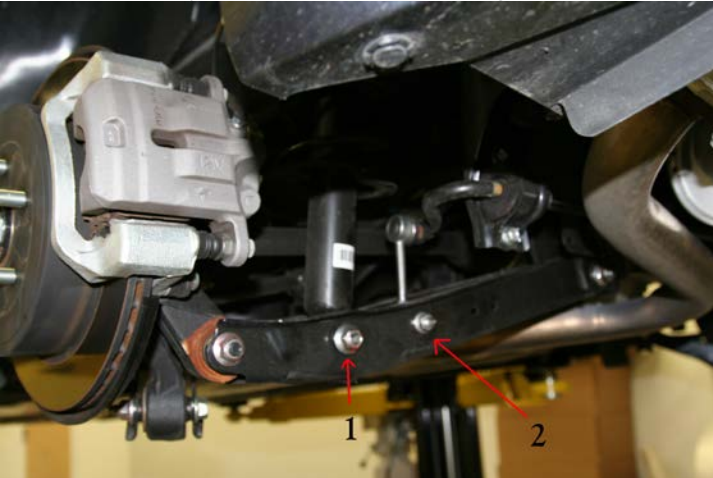
- Top mount to chassis nuts: 18 ft-lb
- Lower clevis bolts/nuts: 129 ft-lb
- Brake line: 23.6 ft-lb



16) Repeat process for other side.

Installation Instructions for Rear Springs:

- 1) Remove 17mm bolt/nut that attaches shock to swingarm (1) and 14mm bolt/nut that attaches swaybar endlink to swingarm (2)



- 2) Remove trunk mat to expose tops of rear shocks.



- 3) Remove two 14mm upper nuts that fasten top mounts to chassis.



4) Push down on swingarm and remove shock from vehicle.

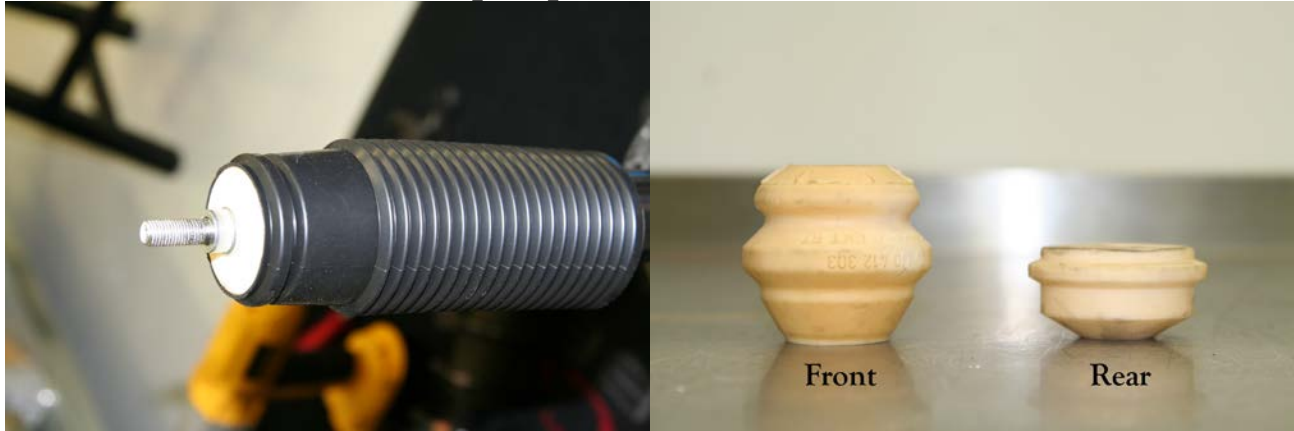


5) Remove center top nut and remove top mount, dust boot, bump stop, and spring from shock. Pull up on the top mount as you are loosening the top nut to keep pressure on the nut and prevent the shaft from spinning. **Use extreme caution: the top mount will pop off with force. Eye/face protection is recommended.**



- 6) Slide RCE bump stop into groove at the top of RCE dust boot with the flat side facing up. Install RCE bump stop/dust boot onto shaft.

***NOTE: Front and rear bump stops are different**



- 7) Compress RCE spring using spring compressors and place onto strut, making sure that it is oriented correctly in the spring seat.
- 8) Install top nut onto strut and torque to 41 ft-lb. Pull up on the top mount as you are tightening the top nut to keep pressure on the nut and prevent the shaft from spinning.
- 9) Install completed shock/spring assembly onto vehicle (Fig. 8) and torque all bolts:
- Top mount to chassis nuts – 22.4 ft-lb
 - Shock to swingarm – 89 ft-lb
 - Swaybar endlink to swingarm – 33.2 ft-lb



- 10) Reinstall trunk mat.
- 11) Reinstall wheels and torque lug nuts to 65.7 ft-lb.
- 12) Remove car from jack stands. Get an alignment and enjoy your new springs!