



2016 & Up Miata MX-5 Coilover Installation Instructions

Tooling:

- ✓ Jack, jack stands or lift
- ✓ Socket wrench
- ✓ Torque wrench
- ✓ 10mm, 12mm, 14mm and 17mm sockets
- ✓ 14mm and 17mm wrenches
- ✓ Flat head screwdriver

Parts List:

- ✓ Two (2) front coilovers
- ✓ Two (2) rear coilovers
- ✓ Two (2) damper adjustment keys
- ✓ Two (2) remote damper adjustment cables w/ keys.
- ✓ Two (2) spanner wrenches

**Please be sure to read and understand the instructions thoroughly before beginning. Professional installation is recommended.

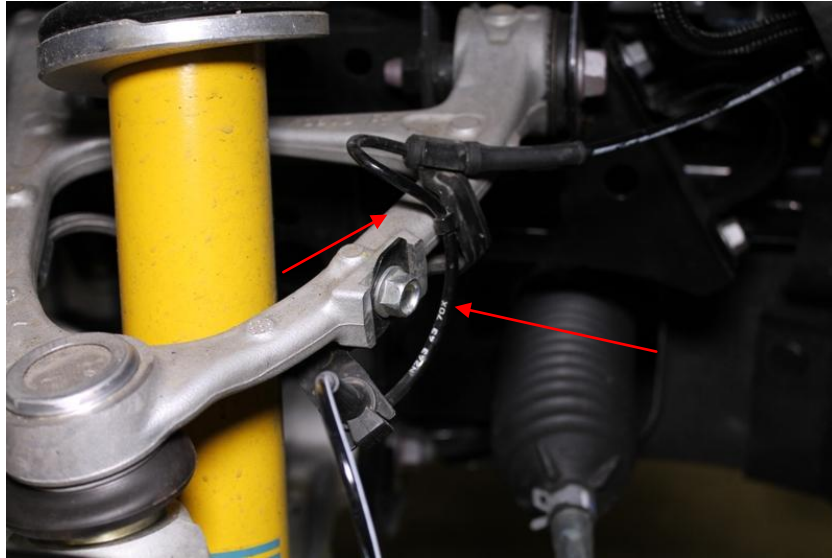
FRONT

- ❖ Begin by parking on a smooth, level surface with the emergency brake engaged. Jack up the front of the vehicle and position jack stands underneath both sides.



Refer to your vehicle owner's manual for proper jack placement and supporting procedures. **Never get under a vehicle without the proper support in place.**

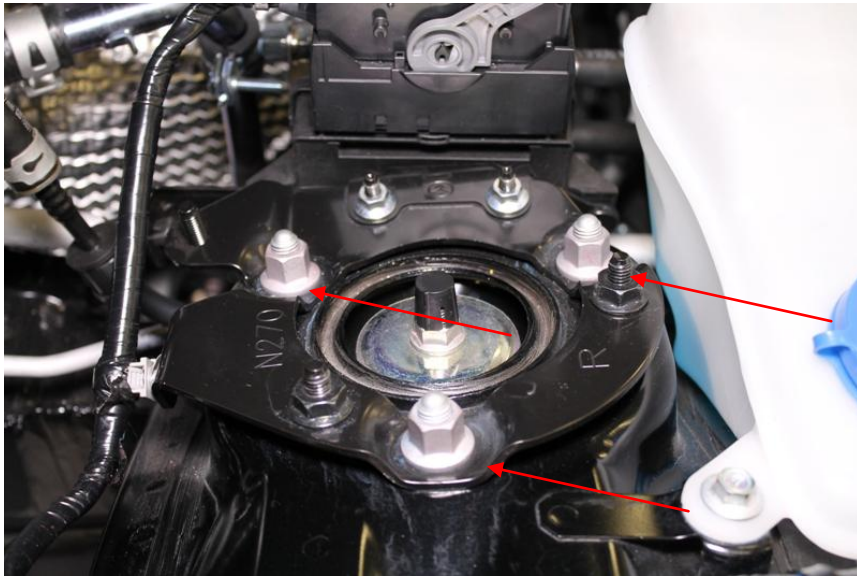
1. Remove both front wheels and, using a 12mm socket, remove the bracket that secures the lead of the ABS sensor.



2. Using a 17mm wrench, remove the two bolts securing the upper control arm.



3. Use a 14mm socket and/or wrench to remove the nuts securing the upper portion of the strut in the strut tower.
 - **Note – It may be easier to perform this step by removing the strut tower bracing if your vehicle is equipped with it.**



4. Using a 17mm socket and 17mm wrench, remove the bolt and nut securing the lower portion of the strut to the lower control arm. Carefully remove the upper control arm from the sub-frame to gain enough room to remove the OEM strut assembly from the vehicle.



5. Install your new JBR Front Coilover in the same manner that the OEM was removed.
 - Note – Adjusting the bottom portion of the coilover may be necessary in order to attach it to the lower control arm. This is done by turning the lower section.



6. Secure the upper portion of the coilover into the strut tower with the OEM nuts or the ones provided and tighten to 35 ft/lbs.
7. Reinstall the upper control arm and tighten each bolt to 65ft/lbs.
8. Reinstall the nut and bolt removed in step 4 to secure the lower portion of the coilover to the lower control arm and tighten to 65 ft/lbs.

Height adjustment procedures are at the end of this document.

Rear

9. Open the trunk and, using a flat head screwdriver, remove all the plastic push type clips that secure the trunk lining. Remove the trunk lining.
10. Using a 10mm socket, remove the fuel line cover.



11. Using a 14mm wrench, remove the two nuts that secure the upper portion of the OEM rear struts.

Jack up the rear of the vehicle and position jack stands underneath both sides.

12. Remove both rear wheels
13. Using a 17mm socket, remove the bolt that secures the lower portion of the OEM strut.



14. Reinstall your new JBR rear coilover in the same manner that the OEM was removed.
15. Secure the upper portion of the coilover with the OEM nuts or the ones provided and tighten to 35 ft/lbs.

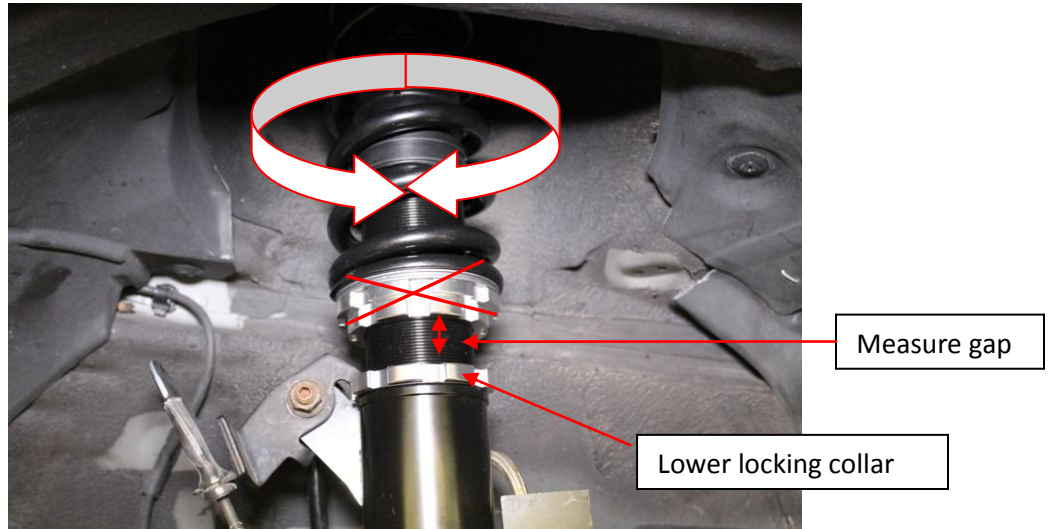


16. Reinstall the bolt removed in step 12, along with the supplied nut, to secure the lower portion of the coilover and tighten to 65 ft/lbs.
17. Reinstall the fuel line cover.
18. Install the remote adjuster cables into the tops of each coilover.
19. Reinstall the trunk lining allowing for the adjuster cables to hang out into the trunk compartment.

Adjusting Ride height:

Loosen ONLY the lower locking collar and rotate the upper spring portion by hand to raise or lower the vehicle. Take measurements between the locking collars and set to the same on both sides. Once set, tighten the lowest locking collar with the spanner wrench.

NEVER LOOSEN OR ADJUST THE UPPER LOCKING COLLARS SECURING THE SPRING.



Adjusting the Dampers:

You should have received your coilovers with dampers turned all the way counter clockwise (Full Soft). Insert the key and turn the knob clockwise until it clicks ONCE. This is position #1. From there you have 32 more settings. Once you have turned the knob and reached the very end, turn it back until it clicks ONCE. This is position #32.

Suggested starting points:

Front – 6

Rear – 8



**Congratulations! You've just completed the installation
of your new JBR Coilover Suspension!**