



BNR Coilover Installation Guide

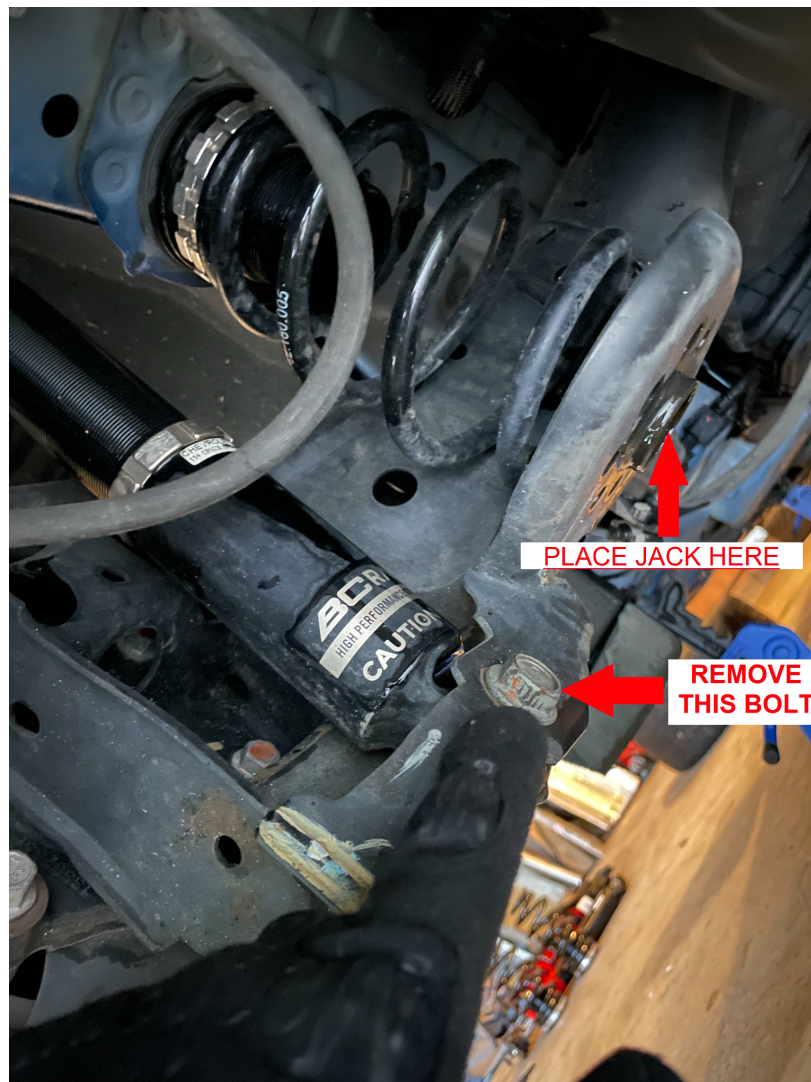
TOOLS NEEDED

Socket wrench or Impact driver
Socket wrench extension (optional)
13mm deep socket
15mm socket
18mm socket
Measuring tape
Rubber Mallet/hammer

STEPS (REAR)

Before beginning installation, place the car on jack stands and remove wheels. Also install damping adjustment knobs to the top of each shock. The included rubber inserts are installed in the front shocks.

- 1.) Place jack under spring seat and lift just enough to relieve tension on bolts and to secure axle once bolts are removed. Next remove the 18mm bolts under each shock.



2.) Once 18mm bolts are removed, slowly lower the jack. The axle should fall freely uncompressing the springs. Once the springs are fully uncompressed and the axle is free hanging remove the springs.

(please note that the stock springs are much taller than those pictured and may require extra effort to remove them)



Do not discard these rubber bushings from spring seats as you will be reusing them with the new springs. There is a bushing on both the top and bottom spring seats.



3.) Remove the 2 13mm bolts from the mount at the top of the shock. Hold the shock while removing the bolts to prevent it from falling. Once the bolts are removed, remove the shock. Replace with your new BNR rear shocks. **(IMPORTANT: BE SURE TO ADJUST DAMPING ON REAR SHOCKS BEFORE INSTALLING AS YOU WILL NOT HAVE ACCESS TO THE ADJUSTMENT DIAL ONCE INSTALLED)**



4.) Install your new BNR rear springs into the bottom spring seat reusing the rubber bushing from the stock springs. Adjust to your desired rear ride height during this step.

The height adjustment collar goes on the bottom of the spring!



5.) Place jack under the rear spring seat and slowly raise the rear axle. While raising the axle make sure the top of the springs seat properly. Raise the axle until the spring is compressed approximately 5mm.

Loosen the locking ring on the shock body and adjust the height of the shock until the bolt hole on the bottom of the shock matches with the one on the axle.

Once the holes are lined up, install the 18mm bolt you removed in step 1.

Make note of the height of the shock body you just installed. You can do this by fully tightening the locking ring on the shock and measuring from the bottom of the ring to the first thread on the shock body.

Now adjust the height on the other shock body to match the height you just measured. Then raise the axle until the bolt holes line up. Once lined up, install the 18mm bolt.



STEPS (FRONT)

1.) Remove windshield wipers by removing the plastic cap covering the 15mm bolt at the base of the wiper (pictured below). Once bolts are exposed, remove them. To remove wiper arms, lift them as if changing the blades. The arm should easily slide off the shaft.



2.) Undo all clips and fasteners on the plastic trim piece pictured below. Once all clips and fasteners have been undone, remove the trim piece. Start from one end and gently pull up and towards yourself.

Do not use excessive force when removing as the clips, fasteners, and the trim piece itself are prone to breaking due to brittleness from age.



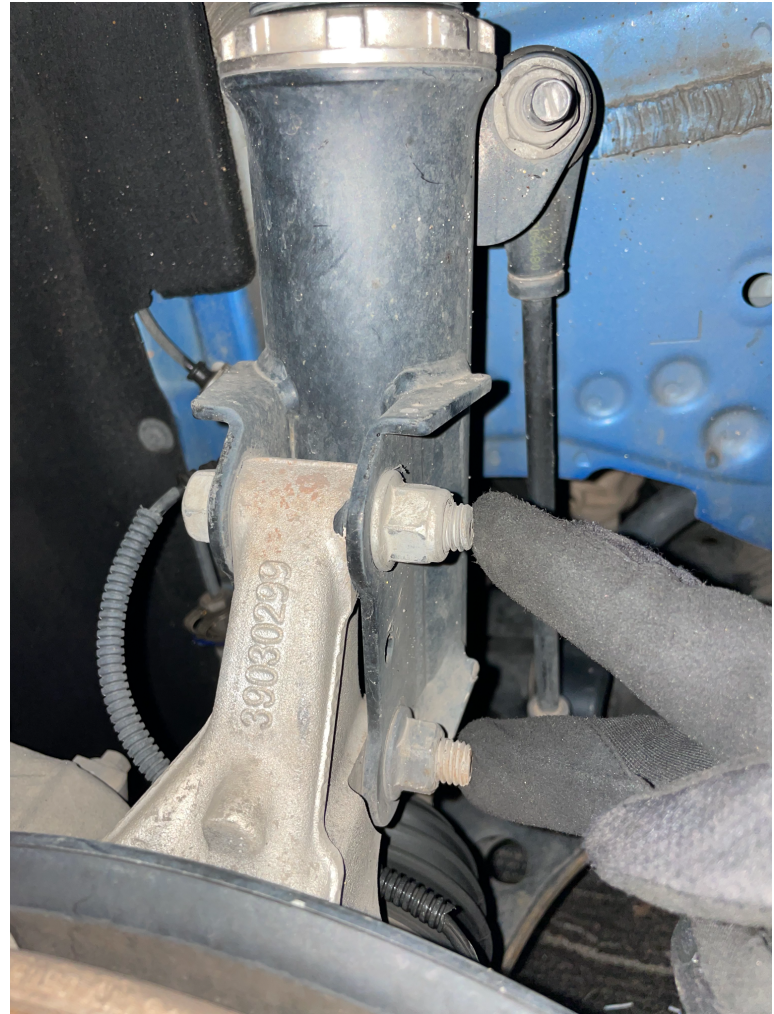
The 3 13mm bolts for the top mount should now be easily accessible. Removing these bolts will come in a later step.

3.) Remove wheel speed sensor wire from clip on shock body by lifting straight up.



4.) Place jack under lower control arm to support it once the lower shock mount bolts are removed.

5.) Remove the 18mm nuts on the endlink and lower shock mount.



The lower mount bolts have splines to prevent them from spinning. This added friction can make them difficult to remove.

A tip in removing them is to loosen the nut to the end of the bolt. Leave the socket on the nut and then use a hammer or mallet on the back of the socket to knock them out of the hole.



6.) Once the lower mount bolts have been removed, slowly lower the jack to clear the way.



7.) After everything has been removed from the bottom of the shock assembly, you can now remove the 3 13mm bolts on the top mount.



When these bolts are removed the shock will fall freely, be sure to support the bottom of the shock by either using the jack or by holding the shock body when removing the last bolt.

After the old coilovers are removed, replace with your new BNR coilovers. Reverse the process to finish installation.

NOTE: *After installing it's highly recommended that you get an alignment and corner balance done as changing suspension components will throw off any previous alignments. Doing these steps will ensure the best performance from your new suspension.*

