



# C7 Corvette Control Arm Delrin Bushing Kit Install Instructions

## **Tools Required:**

- Jack and Jack Stands
- Metric Socket and Wrench set
- Pick
- Torx Bits
- Flathead Screwdriver
- Balljoint/Tie Rod Separator
- Internal/external Snap ring Pliers
- Press
- Mallet
- Torque Wrench
- Dial/Digital Calipers
- Sawzall
- Drill and Drill Bit Set

## **Installation:**

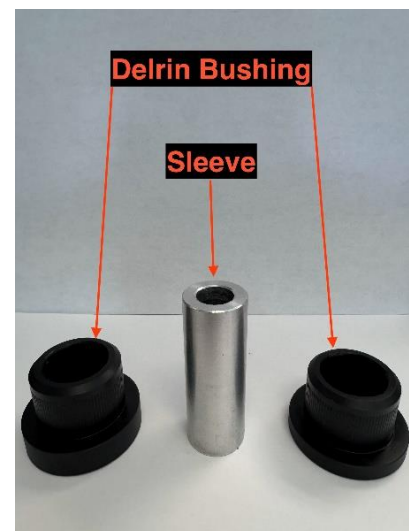
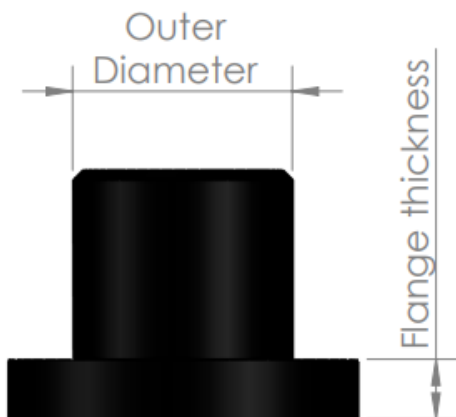
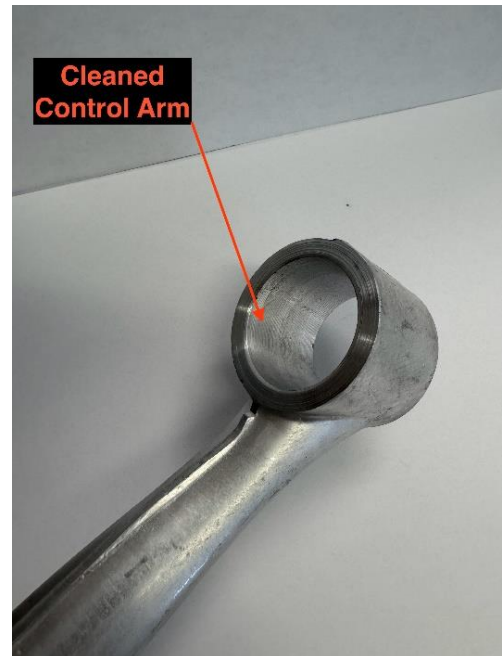
1. Raise the front of the vehicle and support with jack stands. Remove the front wheels.
2. First, remove the wheel speed sensor and the ride height sensor and position them so they will not be damaged.
3. Now, support the bottom of the lower control arm with a floor jack or a screw jack.
4. Loosen and remove the two shock mount bolts on the lower control arm.
5. Slowly let the jack or screw jack down.
6. Remove the sway bar link from the lower control arm and the sway bar.
7. Remove the upper ball joint nut. After, a ball joint separator is used to disconnect the upper control arm from the hub.
8. Remove the upper control arm by removing the (4) 13 mm bolts holding the upper control arm to the chassis.
9. Remove the lower ball joint nut and use a ball joint separator to disconnect the lower control arm from the hub.

**WWW.BMRSUSPENSION.COM**

*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, Buyer assumes all risk of any damage caused to the vehicle or person during installation or use of this product.*

# C7 Corvette Control Arm Delrin Bushing Kit Install Instructions

10. Lastly, loosen and remove the lower control arm chassis bolts and remove the lower control arm.
11. Now that all of the control arms are removed, you will need to remove the stock bushings. To begin, start by drilling multiple holes in the bushing to remove the rubber from the bushing.
12. Once enough rubber is removed, fit a jab saw into the bushing and cut through the bushing sleeve (being careful not to damage the control arm).
13. Once you cut through the bushing sleeve, remove the old bushing by tapping it out of the control arm.
14. Repeat this step until all the old bushings are removed.
15. Before installing the new Delrin control arm bushings, clean the control arm with brake cleaner to remove any remaining debris from the old bushings.
16. Before proceeding, verify that all the parts are correct by referencing the table below, measuring the flange thickness and outer diameters of every bushing with calipers, and organizing all parts.

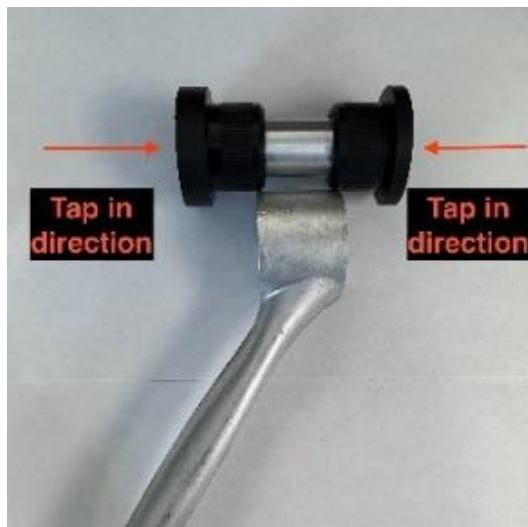


[WWW.BMRSUSPENSION.COM](http://WWW.BMRSUSPENSION.COM)

*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, Buyer assumes all risk of any damage caused to the vehicle or person during installation or use of this product.*

# C7 Corvette Control Arm Delrin Bushing Kit Install Instructions

Front Control Arm Delrin Bushing Set (CBK571)				
Qty:	Part Description:	Part #:	Measurement (in):	Used with:
8	Front Upper Control Arm Bushing	BMR2694	OD: 1.412" Flange Thickness: .25"	Cross-Shaft
2	Front Lower Control Arm Rear Outer Bushing	BMR2709	OD: 1.999" Flange Thickness: .403"	Sleeve
2	Front Lower Control Arm Rear Inner Bushing	BMR2710	OD: 1.999" Flange Thickness: .284"	Sleeve
2	Front Lower Control Arm Front Outer Bushing	BMR2711	OD: 1.723" Flange Thickness: .403"	Sleeve
2	Front Lower Control Arm Front Inner Bushing	BMR2712	OD: 1.723" Flange Thickness: .285"	Sleeve
4	Lower Control Arm Sleeve	BMR2714	Length: 2.717"	N/A
4	Front Upper Control Arm Cross-Shaft	BMR2752	Length: 5.446"	N/A



17. According to the figure, tap the bushings into the control arms using a rubber mallet.  
**NOTE:** Make sure the correct bushing part number is tapped in based on the location. Some bushings have the same outer diameter but different flange thickness lengths. The outer bushings will have a thicker flange thickness than the inner bushings.

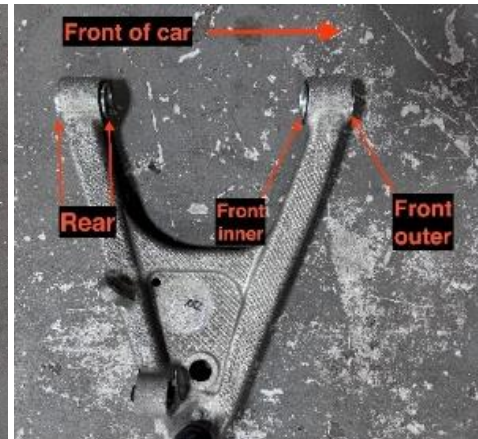
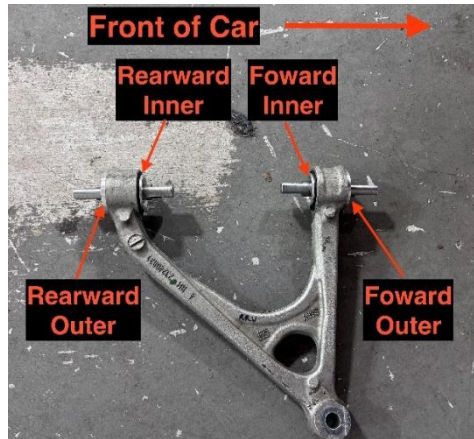
18. After the bushings are tapped in the lower control arms using a rubber mallet, apply synthetic grease (we recommend Superlube **BMR part# SUL41150**) to the sleeves and tap them into the control arm.

[WWW.BMRSUSPENSION.COM](http://WWW.BMRSUSPENSION.COM)

*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, Buyer assumes all risk of any damage caused to the vehicle or person during installation or use of this product.*

# C7 Corvette Control Arm Delrin Bushing Kit Install Instructions

19. After the bushings are tapped into the upper control arms using a rubber mallet, apply synthetic grease (we recommend **Superlube BMR part# SUL41150**) to the cross-shaft

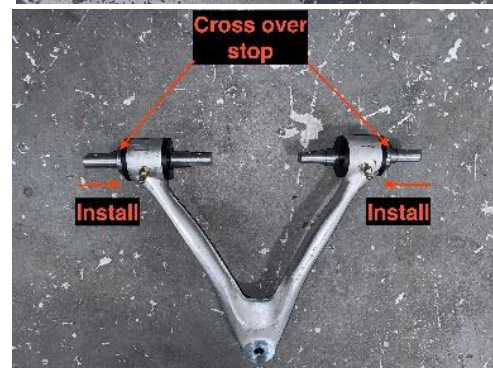


and tap them in from the outside of the control arm inward. Then, using an external snap ring plier, assemble them with the snap ring provided, as shown in the figure below.

20. Install the control arms back into the car and assemble all other components taken off during installation.



**NOTE:** These fasteners are listed as T.A.Y (Torque-Angle-Yield Fasteners), also known as single-use or Torque-to-Yield fasteners.



*Although GM recommends that you replace these fasteners, we have not replaced ours at any point during our design and testing process. Re-use these fasteners at your own risk.*

Torque Specs:

**Front & Rear Lower Control Arm Cam Nuts - 125 ft-lbs.**

**Upper Control Arm Mounting Bolts - 48 ft-lbs.**

**Front Upper Ball joint (if using new ball joints) - 22 ft-lbs. then 120 degrees**

**Rear Upper Ball joint (if using new ball joints) - 22 ft-lbs. then 140 degrees**

**Front & Rear Lower Ball joint (if using new ball joints) - 22 ft-lbs. then 180 degrees**

**Front and Rear Upper Ball joint (if using the same ball joints) – 88 ft-lbs.**

**Front and Rear Lower Ball joint (if using the same ball joints) – 135 ft-lbs.**

[WWW.BMRSUSPENSION.COM](http://WWW.BMRSUSPENSION.COM)

*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, Buyer assumes all risk of any damage caused to the vehicle or person during installation or use of this product.*