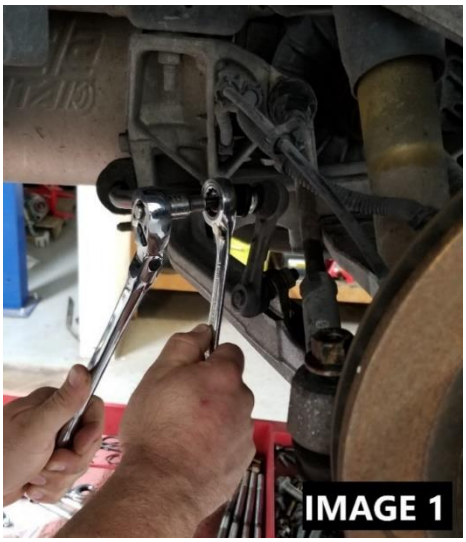
C5/C6 Corvette Control Arm Bearing Kit Install Instructions

Tools Required:

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

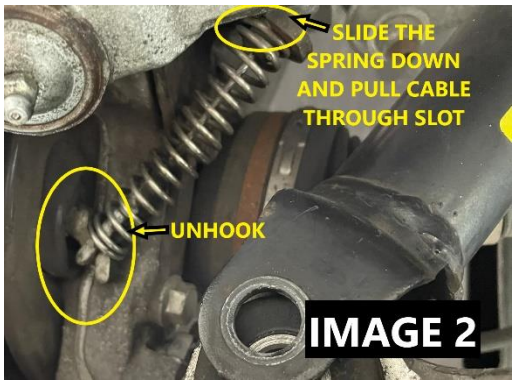


Rear Disassembly:

1. Lift the rear of the vehicle and safely support on jack stands. Remove both rear wheels.

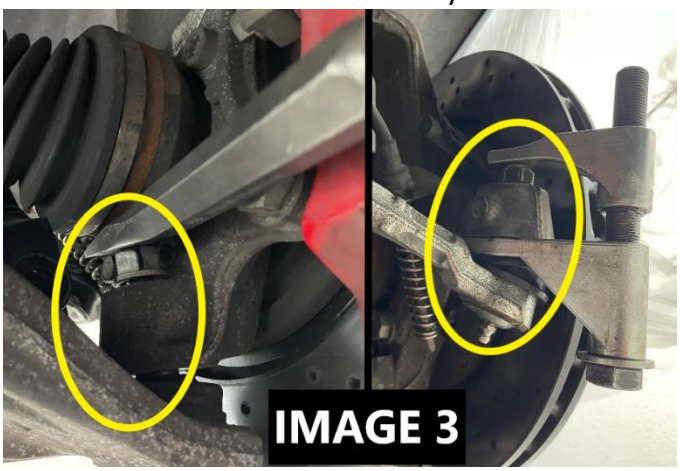
2. Disconnect rear sway bar endlinks **IMAGE 1**

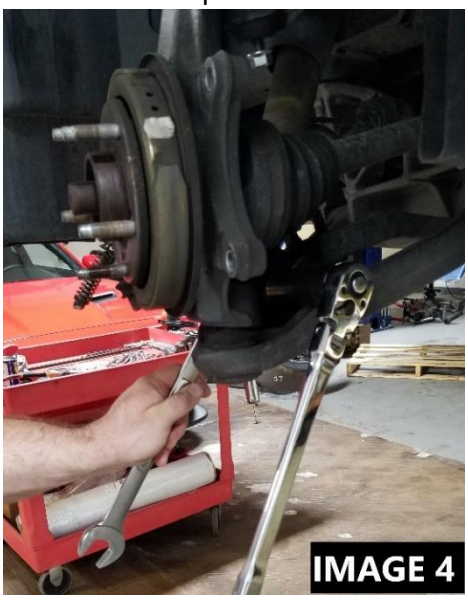
3. Disconnect wheel speed sensor and parking brake cable. **IMAGE 2**



4. Remove the nut from the toe rod and disconnect the toe rod from the spindle **IMAGE 3**

5. Remove the lower shock mount bolt so the shock can be removed and out of the way **IMAGE 4**





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6. Loosen the upper and lower ball joint nuts and knock the spindle loose from the ball joints **IMAGE 5**

7. Support the spindle with a bungee cord or wire tie.

8. Mark the bolt position and unbolt the lower control arms from the cradle and unbolt the upper control arms from the frame.

9. Now that all of the control arms are removed, you will need to remove the stock bushings.

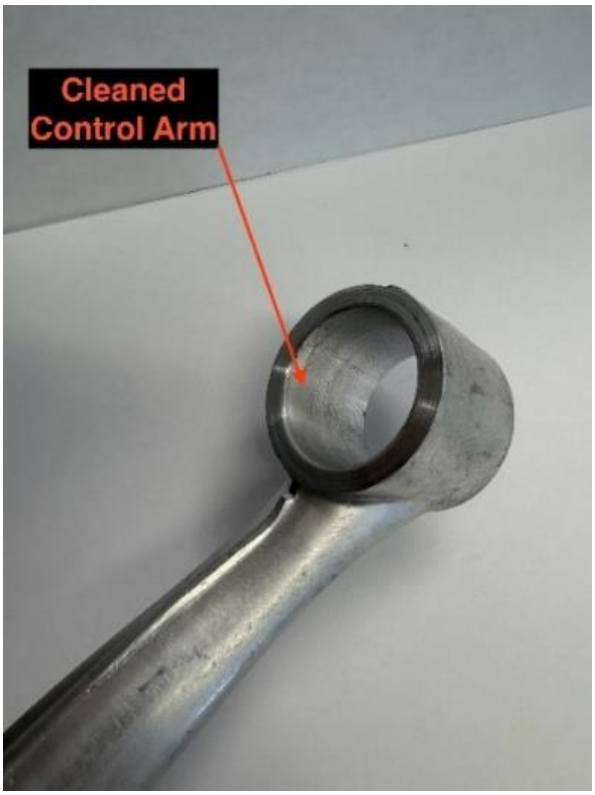
10. To begin, start by drilling multiple holes in the bushing to remove the rubber from the bushing.

11. 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)

12. Once you cut through the bushing sleeve, remove the old bushing by tapping it out of the control arm.

13. Repeat this step until all the old bushings are removed.

14. Before installing the new control arm bearings, clean the control arm with brake parts cleaner to remove any remaining debris from the old bushings.



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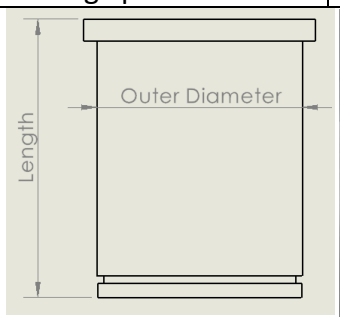
Qty:	Part Description:	Part #:	OD:	Length:	Snap Ring ID:
2	Rear Lower Control Arm Front Bearing Cup	BMR2786	1.768”	2.270”	1-7/8"
2	Rear Lower Control Arm Rear Bearing Cup	BMR2787	1.887”	2.166”	1-3/4”
2	Rear Upper Control Arm Front Bearing Cup	BMR2803	1.573”	1.663”	1-9/16”
2	Rear Upper Control Arm Rear Bearing Cup	BMR2804	1.731”	1.663”	1-11/16”
4	Lower Control Arm Front Bearing Spacer	BMR2773	1.240”	1.330”	-
4	Lower Control Arm Rear Bearing Spacer	BMR2779	1.240”	1.215”	-
4	Upper Control Arm Bearing Spacer	BMR2788	.990”	.952”	-

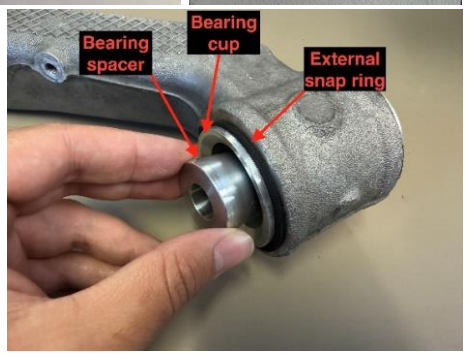
15. Before proceeding, verify that all the parts are correct by referencing the table, measuring the outer diameter and length of every bearing cup with calipers, and organizing all parts.



16. To install the bearings, you **will need a hydraulic press** to press in the new bearing cups.

17. According to the figure, press the bearing cups from the outside of the control arm inward.

18. To assemble the lower control arms, insert the (4) bearing spacers into each lower control arm.



19. 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:

Lower Control Arm Cam Nuts - 125 ft-lbs.

Upper Ball joint - 22 ft-lbs. then 195 degrees

Lower Ball joint - 22 ft-lbs. then 180 degrees

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