

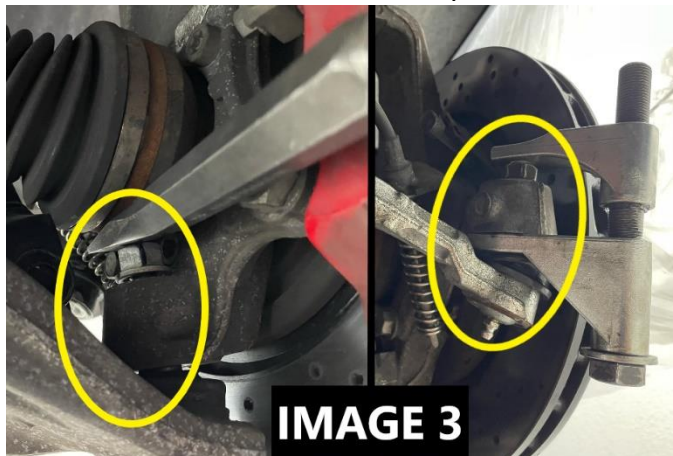
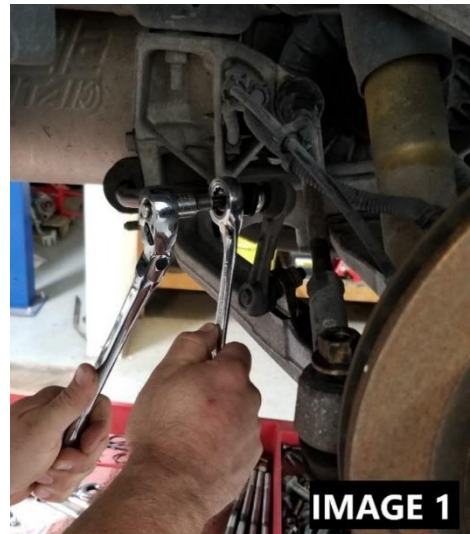
# C5/C6 Corvette Control Arm Bearing Kit Install Instructions

## 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
- Jab Saw
- 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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## Install Instructions

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. Unbolt the lower control arms from the cradle and unbolt the upper control arms from the frame.



### Front Disassembly:

1. Lift the front of the vehicle and safely support on jackstands. Remove both front wheels.
2. Support the bottom of the lower control arm with a floor jack or a screw jack.
3. Using a 13mm socket and wrench, remove the two shock mount bolts on the lower control arm.
4. Slowly let the jack or screw jack down.
5. Remove the sway bar link from the lower control arm and the sway bar.
6. Remove the upper ball joint nut. After, a ball joint separator is used to disconnect the upper control arm from the hub.
7. Remove the upper control arm by removing the (4) 13mm bolts holding the upper control arm to the chassis.
8. Remove the lower ball joint nut and use a ball joint separator to disconnect the lower control arm from the hub.
9. Lastly, loosen and remove the lower control arm chassis bolts and remove the lower control arm.



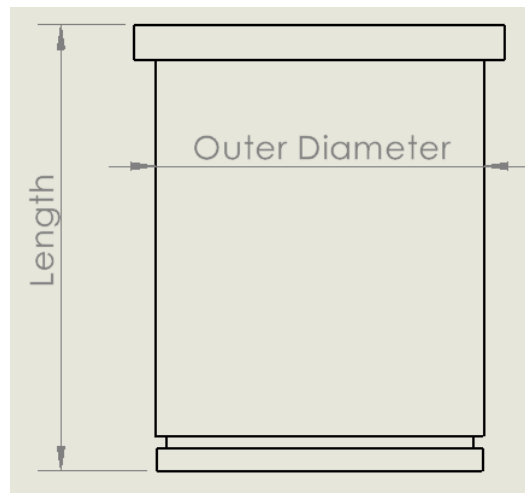
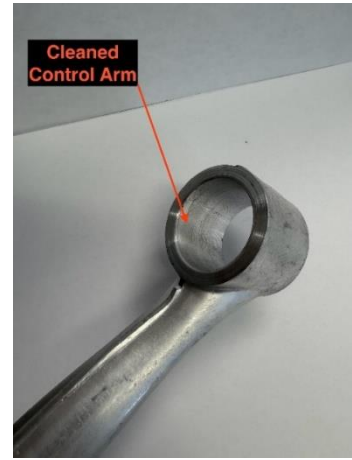
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10. Now that all of the control arms are removed, you will need to remove the stock bushings.
11. To begin, start by drilling multiple holes in the bushing to remove the rubber from the bushing.
12. Once enough rubber is removed, fit a jab saw into 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 control arm bearings, clean the control arm with brake parts 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 outer diameter and length of every bearing cup with calipers, and organizing all parts.



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## Install Instructions

Qty:	Part Description:	Part #:	OD:	Length:	Snap Ring ID:
4	Front Upper Control Arm Bearing Cup	BMR2749	1.413"	1.801"	1-7/16"
2	Front Lower Control Arm Front Bearing Cup	BMR2784	1.459"	2.177"	1-7/16"
2	Front Lower Control Arm Rear Bearing Cup	BMR2785	1.972"	2.237"	1.969"
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	Front Upper Control Arm Cross-Shaft	BMR2754	0.740"	5.950"	5/8"
4	Lower Control Arm Front Bearing Spacer	BMR2773	1.240"	1.330"	-
4	Front Lower Control Arm Front Bearing Spacer	BMR2778	.987"	1.172"	-
4	Rear Lower Control Arm Rear Bearing Spacer	BMR2779	1.240"	1.215"	-
4	Rear Upper Control Arm Bearing Spacer	BMR2788	.990"	.952"	-

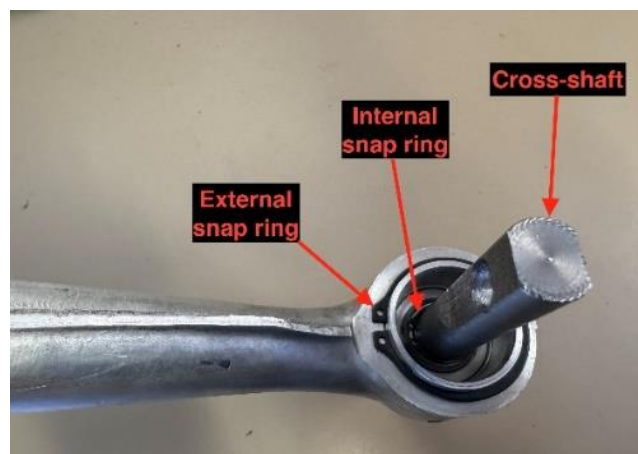
17. To install the bearings, you **will need a hydraulic press** to press in the new bearing cups.

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

**NOTE:** When installing the cross-shaft, it is recommended to use a green retaining compound installed on the upper control arm bearings before sliding the cross-shaft in.

19. To assemble the upper control arms, slide the cross-shaft into the control arm from the outside inward, according to the figure, and secure it using the supplied cross-shaft external snap ring

20. To assemble the lower control arms, insert the (4) bearing spacers into each lower control arm, as shown in the figure below.



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# C5/C6 Corvette Control Arm Bearing Kit

## Install Instructions

21. 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:

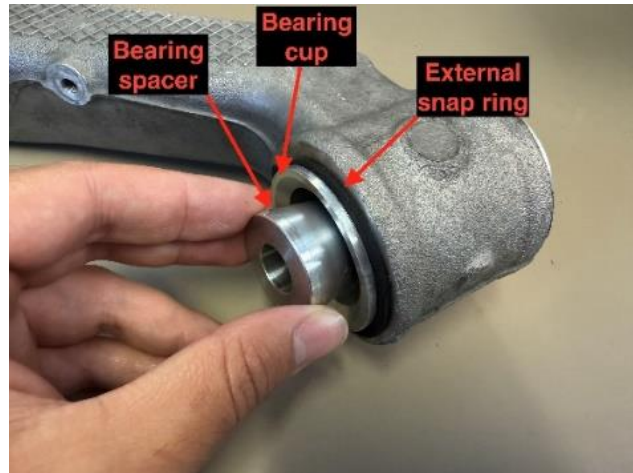
**Front & Rear Lower Control Arm Cam Nuts** - 125 ft-lbs.

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

**Front Upper Ball joint** - 22 ft-lbs. then 225 degrees

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

**Front & Rear Lower Ball joint** - 22 ft-lbs. then 180 degrees



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