

Z1 FRONT UPPER CONTROL ARM REPLACEMENT OUTER BALL JOINT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2009-2020	Nissan 370Z
2008-2014	Infiniti G37
2014+	Infiniti Q50
2014+	Infiniti Q60

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports Front Upper Control Arm Replacement Outer Ball Joint, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	2	Outboard Joint Assembly
2	1	Loctite 271

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Wheel Chock
- Ratchet
- 14mm Wrench
- 14mm Socket
- Pry Bar
- 1 1/8" Wrench
- Torque Wrench
- Dead-blow Mallet
- Lanyard Strap

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports Front Upper Control Arm Replacement Outer Ball Joint and verify that ALL necessary hardware is present.

PROCEDURE:

1. Assure the car's ignition is in the OFF position and the NEGATIVE (-) battery terminal is disconnected.
2. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Release tension of lug nuts at front wheels. DO NOT remove lug nuts.
4. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
5. Remove front wheel and lug nuts.
6. Wrap lanyard strap around steering knuckle and strut assembly. Lanyard will prevent brake line from becoming stretched/damaged during replacement process.
7. Remove nut and bolt securing control arm to steering knuckle.
8. Separate FUCA ball joint from steering knuckle.

Note: Ball joint may be seized in steering knuckle. Use a pry bar and/or a dead-blow mallet to separate.

9. Loosen jam nut on outboard joint of control arm.

10. Remove outer joint. Carefully count the number of rotations it takes to remove ball joint from control arm.

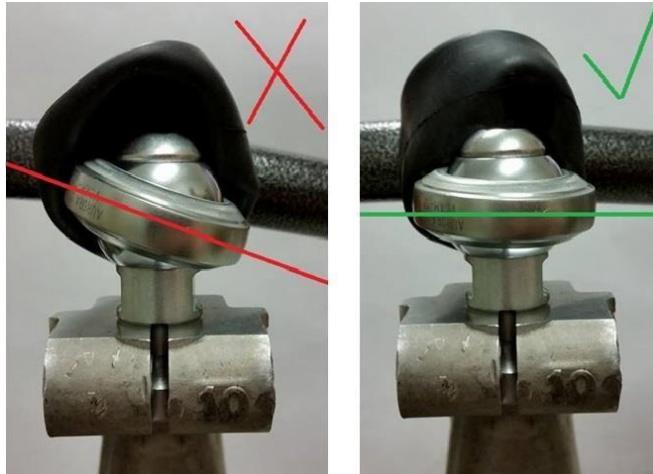
11. Locate new outer ball joint replacement and install into control arm.

Note: Match the number of rotation with the previous joint.

Note: Do not tighten jam nut at this point.

12. Position Z1 FUCA ball joint into mounting hole of steering knuckle.

Note: Assure body of ball joint is parallel with mating surface of steering knuckle (as shown).



13. Install bolt and nut that attaches Z1 FUCA ball joint to steering knuckle. Torque to 41ft-lbs.

14. Apply thread locker to exposed threads of ball joint nearest to control arm, thread jam nut over thread locker and tighten against control arm.

15. Remove lanyard strap.

16. Install front wheel and lug nuts.

17. Repeat steps 6-16 for opposite side of vehicle.

18. Properly lower vehicle from jack stands.

19. Inspect vehicle for loose tools/items

20. Perform a final test drive of vehicle.

END

Additional Technical Support:

Contact Z1 Motorsports at info@z1motorsports.com

Or call 770-838-7777 between 9am and 6pm ET