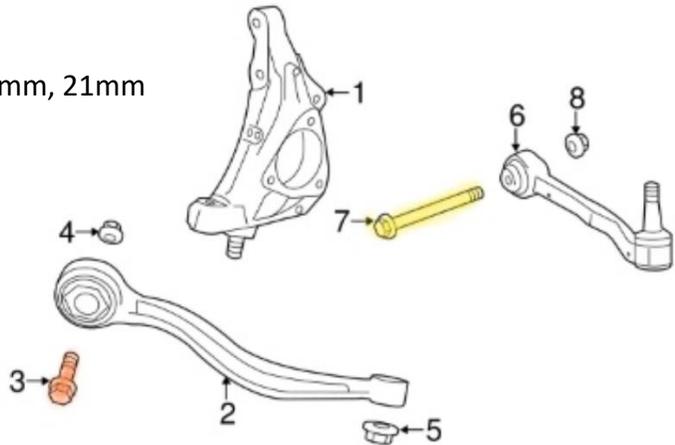




BK070 INSTALLATION INSTRUCTIONS – 6th Gen Spherical Radius Rod Bearing

RECOMMENDED TOOLS:

- Jack and jack stands
- Deep well sockets – 7mm, 10mm, 15mm, 18mm, 21mm
- T15 Torx socket
- Wrenches – 15mm, 18mm, 21mm
- Ratchet
- 6mm hex key
- Push-In clip remover
- Pry-bar
- Large snap ring pliers

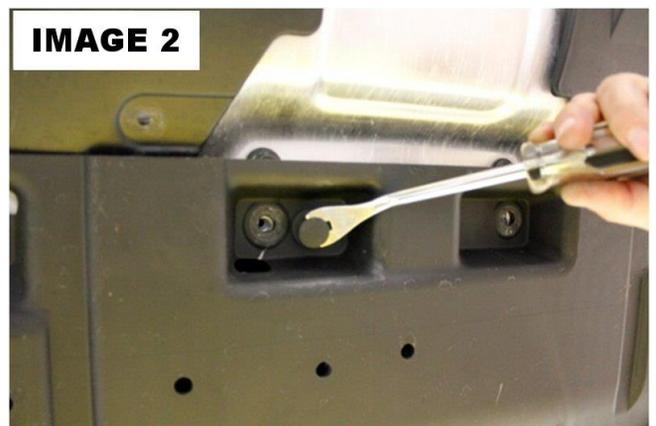


NOTE: General Motors requires that you replace the Front Lower Control Link Bolt (Radius Rod) as they are Torque to Yield bolts also known as *T.A.Y.* fasteners (Torque Angle Yield) or single use fasteners. During development and testing we have not replaced any of these bolts, your mileage may vary.

- Front Lower Control Link Bolt (Radius Rod): Part # 11610915 (74ftlbs + 90-105 degrees) Shown as #3

INSTALLATION:

1. Lift the front of the vehicle and support with jack stands under the frame rails. Ensure your jack and jack stand placement doesn't interfere with access to the inner radius arm mounting point.
2. Remove both front wheels/tires.
3. Using a 7mm socket, remove all bolts holding the front splash shield as seen in **IMAGE 1**.
4. Remove large push-in clips with remover as seen in **IMAGE 2**.



WWW.BMRSUSPENSION.COM

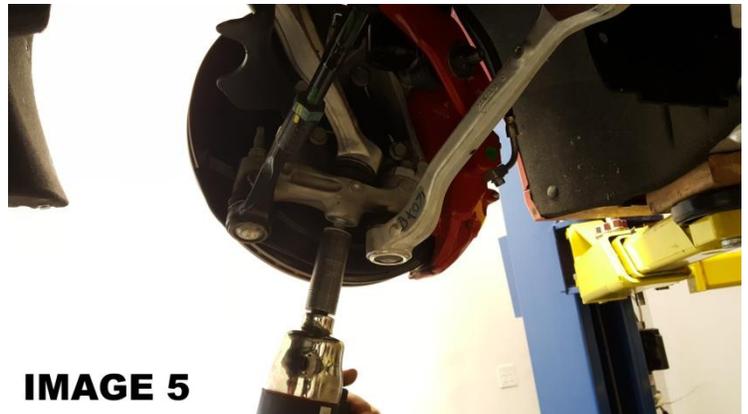
This product is an aftermarket accessory and not designed by the vehicle's manufacturer for use on this vehicle. As such, Buyer assumes all risk of any damage caused to the vehicle/person during installation or use of this product.



BK070 INSTALLATION INSTRUCTIONS – 6th Gen Spherical Radius Rod Bearing



5. Using the 10mm socket, remove all bolts holding both lower splash shields then remove the remaining bolts using a T15 Torx socket. You will have multiple clips and variations of fasteners when done as shown in **IMAGE 3**.
6. Remove splash shields to gain access to the inner bolt on the radius arm.
7. Using an 18mm socket and wrench, loosen the inner bolt on the radius arm. If your vehicle is equipped with the upgraded cooling package as shown in **IMAGE 4** you will need to un-bolt the cooler in order to get the radius arm bolt out.

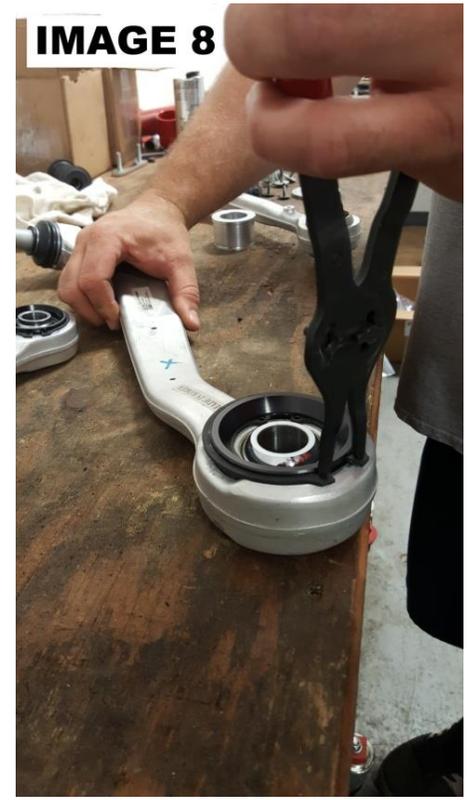


8. Now move out to the outer bolt on the spindle. Using a 21mm deep socket, remove the nut on the ball joint. (**IMAGE 5**)
9. Use a brass hammer to knock the ball joint loose from the spindle as shown in **IMAGE 6**.
10. Once both bolts are out, remove the radius arm.
11. Use a press to remove the factory bushing.
12. Press in the new BMR spherical bearing cup as shown in **IMAGE 7**.
13. Install the provided snap ring over the bearing cup as shown in **IMAGE 8**.

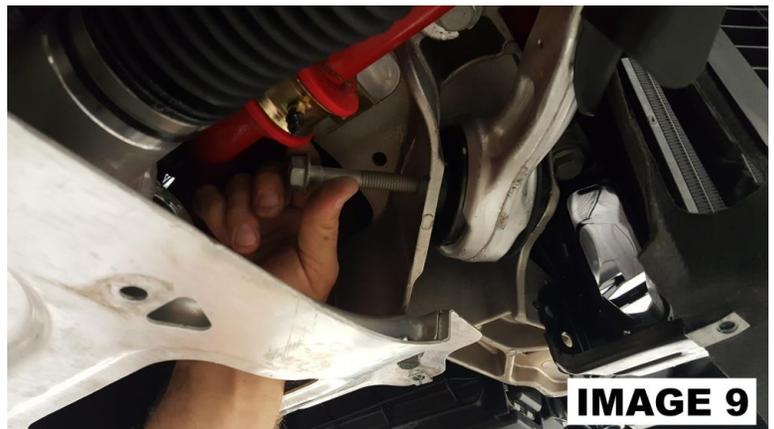
WWW.BMRSUSPENSION.COM

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

BK070 INSTALLATION INSTRUCTIONS – 6th Gen Spherical Radius Rod Bearing



14. Insert the bearing spacers and re-install the radius arm, except put the inner bolt in from the back side as shown in **IMAGE 9**.
15. Tighten inner and outer bolts, duplicate for the other side, then re-assemble in the reverse order.
16. Torque to specified amount using the table on the last page.
17. Re-install wheels/tires and lower vehicle.



WWW.BMRSUSPENSION.COM

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



BK070 INSTALLATION INSTRUCTIONS – 6th Gen Spherical Radius Rod Bearing

Front Suspension Specifications

Fastener Specifications

| Application | Specification | |
|---|-----------------|-----------|
| | Metric | English |
| Front Lower Control Front Link Bolt (Requires a NEW bolt.) (Radius Rod) | | |
| First Pass: | 100 N•m | 74 lb ft |
| Final Pass: | 90–105 degrees | |
| Front Lower Control Rear Link Bolt (Requires a NEW bolt.) | | |
| First Pass: | 100 N•m | 74 lb ft |
| Final Pass: | 90–105 degrees | |
| Front Stabilizer Shaft Insulator Clamp Nut | 22 N•m | 16 lb ft |
| Front Stabilizer Shaft Link Nut | 100 N•m | 74 lb ft |
| Front Suspension Strut Mount Nut (With F55 at Top of Front Suspension Strut Mount) | 50 N•m | 37 lb ft |
| Front Suspension Strut Mount Nut (Without F55 at Top of Front Suspension Strut Mount) | 65 N•m | 48 lb ft |
| Front Suspension Strut Nut (at Steering Knuckle) | | |
| First Pass: | 150 N•m | 111 lb ft |
| Final Pass: | 80–95 degrees | |
| Front Suspension Strut Upper Mounting Bolt | 22 N•m | 16 lb ft |
| Front Wheel Bearing and Hub Assembly Bolt | | |
| First Pass: | 100 N•m | 74 lb ft |
| Final Pass: | 15–30 degrees | |
| Steering Knuckle Nut | | |
| First Pass: | 40 N•m | 30 lb ft |
| Final Pass: | 120–135 degrees | |

Adhesives, Fluids, Lubricants, and Sealers

| Application | Type of Material | GM Part Number | |
|---|-------------------------|----------------|----------|
| | | United States | Canada |
| Front Wheel Bearing and Hub Assembly Bolt | Thread Locking Adhesive | 89021297 | 10953488 |
| Steering Knuckle Bearing Pilot Bore | Grease | 12345996 | 10953501 |

WWW.BMRSUSPENSION.COM

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