

How to Replace the Front Ball Joints

Symptoms:

Front wheels land with a clunk when you go over a speed bump.
Clunking noises when going over decent sized potholes and rough roads.

Problem:

Ball joints were worn out because the boots that holds grease were torn.



Warnings:

- **DO NOT ATTEMPT THE PROCEDURE WITHOUT USING A JACK STAND**
- The A-arm that the ball joint bolts to has upward tension.

Replacing the Ball Joint:

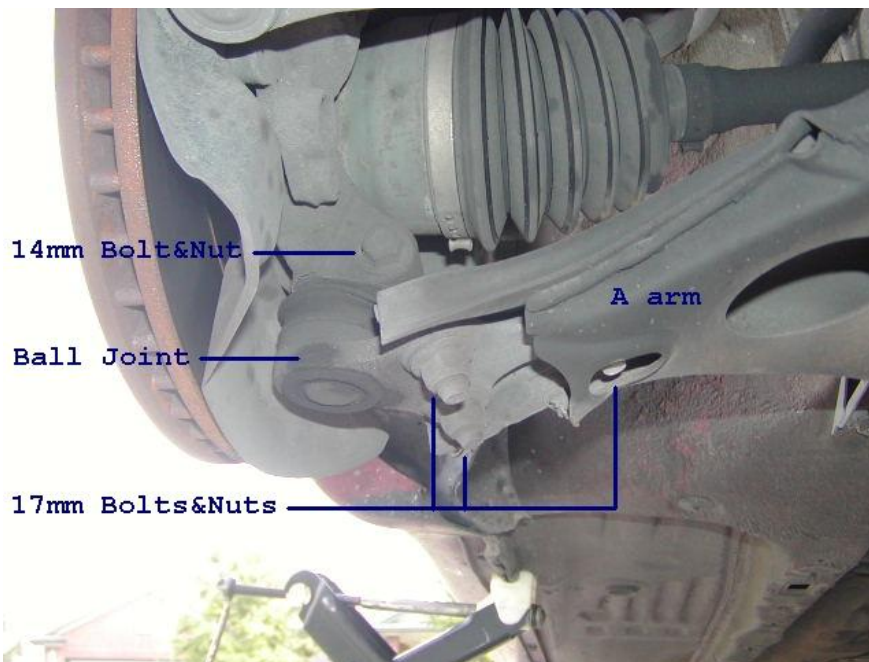
1. Chuck the rear wheels on the opposite side you are going to be working on.



2. Jack up the front of the car, set it on jack stands and remove the wheel.



3. Remove the 14mm bolt and nut. Then push down on the A-arm to break loose the ball joint shaft from the wheel hub. You don't have to slide it out all the way yet. Remove the three 17mm bolts and nuts. Push down on the A-arm while trying to slide the ball joint out. It takes a little bit to get it out, so keep working at it.



4. Installation is the reverse of removal. Make sure the notch in the ball joint shaft is lined up perfectly so that the 14mm bolt slides back in. **DO NOT ATTEMPT TO HAMMER THE BOLT IN.** Also keep in mind the A-arm has upward tension.
5. Torque down the bolts, put the wheel back on, take the car off the jack stands and test drive it. It should not clunk when going over bumps now.