



## Audi Quattro Rear Differential Bushing Kit Installation

Congratulations on the purchase of your new Stern rear differential mounts. These mounts will offer a noticeable reduction in differential movement, translating to more power to the wheels. Below are our installation guidelines for this part. Please review them carefully before attempting to install this product.

### Estimated Time

35-45 minutes

### Tools Needed

Floor Jack  
Jack Stands  
8mm hex key  
13mm socket  
17mm socket  
17mm wrench  
Ratchet  
Hydraulic Press



### **Step 1**

Raise the rear of the car and secure it with jack stands. Never work under a car supported only by a hydraulic floor jack. Check your owner's manual for proper placement of floor jacks and jack stands.

### **Step 2**

Identify the differential cross member. It is located on the rear end of the differential shown highlighted in the photo below.



### Step 3

Carefully use a floor jack to support the differential in position and prevent it from shifting positions.



### Step 4

Using the 17mm ratchet and wrench remove the two subframe bolts. Be careful not to let the bolthead damage the inner CV boot when removing.



### Step 5

Use an 8mm bit to remove the 3 bolts through the cross member. Use the 13mm ratchet to remove the 2 bolts for the exhaust hanger flange. Remove the cross member from the car.



## Step 6

Use a hydraulic press to remove the 2 bushings carefully. Use lubrication as needed and make sure not to damage the cross member plate. Once the bushings are removed carefully clean the holes of any remaining residue.



## Step 7

Press the new stern bushings in with one on each side. Then press the center sleeve bearing into the bushings. Make sure the sleeve bearing is centered within the bushings. Repeat procedure for both bushings.



## Step 8

Reinstall differential crossmember. Carefully thread the long subframe bolts through the bushings, being careful not to damage inner the CV boots. Secure the 17mm nuts, then attach crossmember to the differential case. Reattach exhaust hanger flange.

Carefully retighten subframe bolts to 37ft-lbs

Carefully retighten crossmember to differential bolts to 41ft-lbs

Lower the vehicle from the jackstands.

**Congratulations on completing the installation!**