



## Delrin Rear Subframe Bushings BK027

### Required Tools:

Hydraulic jack and 2 stands (lift optional but recommended)  
Wrenches – 18mm, 21mm  
Sockets – 10mm, 13mm, 18mm, 21mm  
Pry-bar            Rubber Mallet  
Sawzall

### Installation:

1. Lift vehicle and support with stands under the rocker jack points as shown in **Image 1** below.
2. Remove both rear wheels.



3. Using a 15mm socket, remove the driveshaft tunnel brace. See **Image 2**.



4. Using a 15mm socket, loosen the exhaust clamps at the front of the exhaust.
5. Using a helper, slide the rear muffler mounts off the mounting dowels (**Image 3**) and then pull the entire exhaust assembly rearward and out of the car.



*Continued*

## Delrin Rear Subframe Bushings BK027 (Continued)

6. Un-plug the fuel pump wiring harness located on the passenger side of the car next to the front cradle bushing. See **Image 4**.



7. Twist the rubber brake line while pulling up to “release” it from the bracket attached to the upper control arm on each side. **Image 5** below.



8. Using an 18mm socket or wrench, remove the (2) bolts that hold the caliper to the spindle (**Image 6**). Remove the caliper and tie it up out of the way with a zip tie.



*Continued*

## Delrin Rear Subframe Bushings BK027 (Continued)

- Using **Image 7** above as a guide, locate and unplug the ABS plug located above the rear cradle.



- Detach the emergency brake cables from the spindles. (**Image 8**)



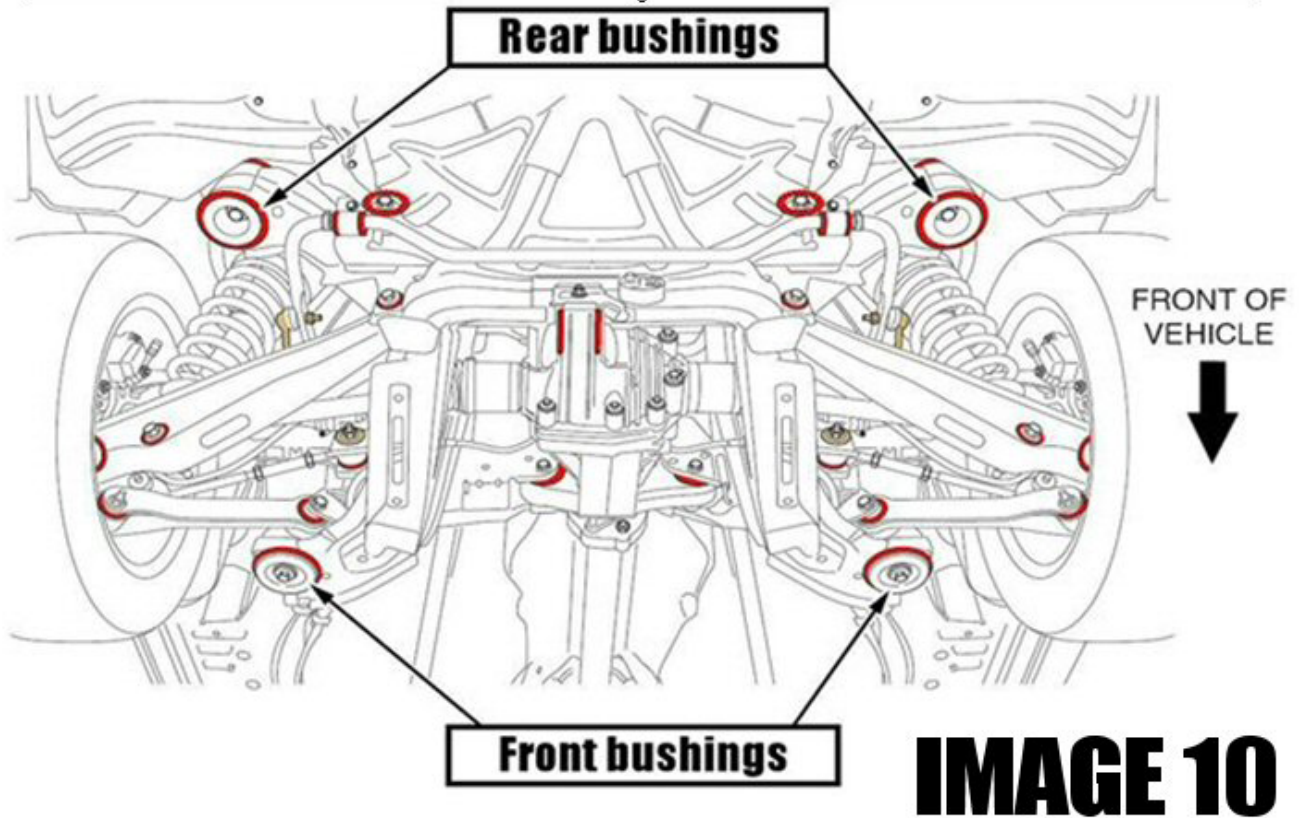
- Using an 18mm wrench and socket, remove the 3 bolts that connect the driveshaft flex joint to the differential. *NOTE: Remove the appropriate bolts so that the rubber flex joint remains attached to the driveshaft, NOT the differential. Using a pry-bar, pry the joint off the alignment dowel allowing the shaft to hang out of the way.* (**Image 9** on previous page).



*Continued*

## Delrin Rear Subframe Bushings BK027 (Continued)

12. Support the rear subframe with a hydraulic jack.
13. Using **Image 10** below as a reference, remove the (4) subframe mounting bolts using a 21mm socket.



14. Lower the rear subframe assembly down.

**NOTE:** It is possible, however more difficult, to remove the bushings without disassembling the rear cradle. Removing the suspension, differential, axles, etc. from the cradle makes handling the cradle much easier while removing the bushings. If you choose to leave the suspension and driveline in tact, proceed to step #22, if you wish to disassemble the cradle, follow steps 15-21 first.

15. Using an 18mm socket and a 21mm socket, remove the upper A-arms.
16. Using an 18mm socket and a 21mm socket, remove the toe rods.
17. Using an 18mm socket, remove the lower shock bolts on the control arms.
18. Using an 18mm socket and a 21mm socket, remove the lower control arms.
19. Using an 18mm socket, remove the trailing arms.
20. At this point, the CV axles may be “popped” out of the differential and the outer spindle/hub/CV axle assemblies can be removed.
21. Using an 18mm wrench and socket, loosen the (3) differential bolts and remove the differential.
22. Using a sawzall, insert the blade through the center aluminum sleeve of the bushing and cut all the way through the sleeve and rubber, taking care not to damage the cradle. Most of the times one cut is sufficient to knock the bushing out however it may require two cuts on some stubborn bushings.
23. Duplicate this procedure on all 4 mounting bushings.

*Continued*

## **Delrin Rear Subframe Bushings BK027 (Continued)**

24. Clean the bushing holes in the cradle and smooth any rough edges before proceeding.
25. Insert the BMR Delrin bushings using a rubber mallet. The larger portion of each bushing goes on the top of the cradle. Once installed, insert the center steel sleeves. If you left the suspension and driveline assembled for this install proceed to step #28.
26. Re-install the differential and tighten the mounting bolts to 85 ft/lbs.
27. Insert the spindle/hub/CV assemblies back into the differential then re-install all of the suspension links. Tighten the inner bolt on the lower control arms and the inner bolt on the toe rods to 70 ft/lbs. Tighten all other bolts to 85 ft/lbs.
28. Raise the entire assembly back into position taking care to properly align the rear dowels. Insert the bolts and tighten to 130 ft/lbs.
29. Re-connect the driveshaft and tighten the (3) mounting bolts to 85 ft/lbs.
30. Bolt the calipers back to the spindles and tighten the bolts to 65 ft/lbs.
31. Re-connect the rubber brake lines to the upper control arms.
32. Attach the emergency brake cables back to the spindles.
33. Re-connect the ABS plug.
34. Plug the fuel pump wiring harness back in.
35. Re-install the exhaust.
36. Bolt the driveshaft tunnel brace back into place and torque to 45 ft/lbs.
37. Install the rear wheels and lower the vehicle.

NOTE: if the suspension was disassembled for this installation the alignment settings will be compromised and it will be necessary to get a 4 wheel alignment.

**WWW.BMRSUSPENSION.COM**

*This product is an aftermarket accessory and not designed by the vehicles 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.*