Differential Mount Bushing Installation Instructions

Required Tools:

Hydraulic jack and 2 stands (lift optional but recommended)
Wrenches – 18mm, 21mm
Sockets – 10mm, 13mm, 18mm, 21mm
Pry-bar
Drill with 2” hole saw



Installation:

1. Lift vehicle and support with stands under the rocker jack points shown in **IMAGE 1**.

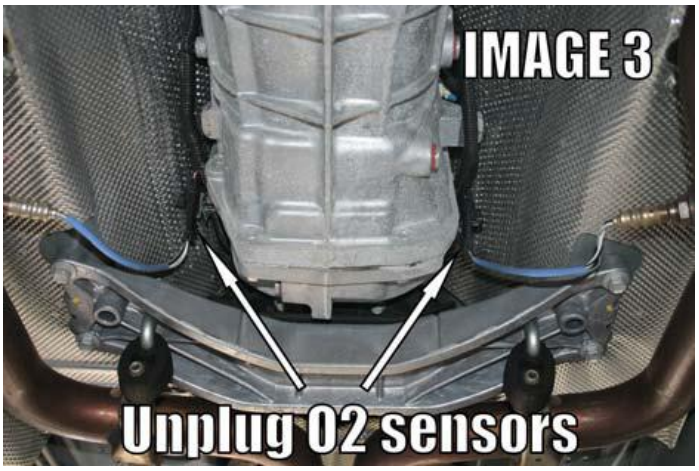
2. Remove both rear wheels.

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

4. Unplug the rear O2 sensors as shown in **IMAGE 3**.

5. Using a 13mm socket, remove the two bolts that hold the rear two muffler brackets in place. Remove 4 bolts total, 2 per side **IMAGE 4**







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6. Using a 15mm socket, remove the 4 front flange bolts on the exhaust (2 per side) **IMAGE 5**

7. Remove center 15mm exhaust hanger bolt in rear. **IMAGE 6**.

8. Using a helper, remove the entire exhaust assembly.

9. Using a 10mm socket, remove the front driveshaft tunnel exhaust shield. **IMAGE 7**





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10. Using an 18mm wrench and socket, remove the 3 bolts that connect the driveshaft flex joint to the differential. **IMAGE 8**

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**



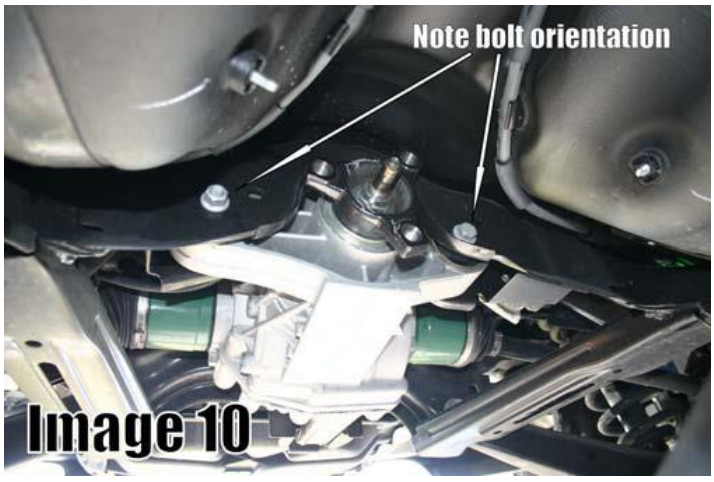
11. Using a 10mm socket, remove the rear driveshaft tunnel exhaust shield.

12. Place a jack under the rear of the differential.

13. Note the orientation of the differential mounting bolts and make notes for proper re-assembly (**IMAGE 10**) Using an 18mm wrench and socket, remove the (3) mounting bolts.



14. Place some rags between the inner CV boots and the cradle to protect the boot then lower the differential to gain access to the front mounting bushings.



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15. Using a 2” hole saw, drill the front rubber bushings out of the bushing shells. **IMAGE 11**

16. Using a screwdriver, pry the bushing shell out of the differential housing. **IMAGE 12**

17. Insert the BMR bushing halves into the housing. Grease the inside of the bushing then knock the sleeves into the bushings.

18. Raise the front back up into the mount and allow the rear to hang until the rear bushing is accessible. Duplicate the above procedure for the rear mount. **IMAGE 13**

NOTE: *If using BMR part number* ***BK046****, the Delrin bushing goes in the rear mount.*

19. Lift the differential back into place and insert the bolts in the same orientation as recorded in step 13. Torque bolts to **85 ft/lbs**.

20. Re-install both heat shields.

21. Re-install the driveshaft.

22. Re-install the exhaust.

23. Re-install driveshaft tunnel brace and lower the vehicle.





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Attention: Polyurethane and Delrin bushings must be properly lubricated with a full synthetic grease only

A full synthetic grease must be used to lubricate the inner sleeve via the grease fitting, contact points such as the outside faces of the polyurethane bushing must also be greased. We recommend Green Grease/Super Lube full synthetic grease for best results.



Do not install bushings dry. Lack of proper lubrication may cause squeaking, binding, premature wear, reduced performance, or damage to the bushings and related components. Bushings should be inspected and re-greased as needed, especially in harsh driving conditions or high-use applications.

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