

3M SUSPENSION

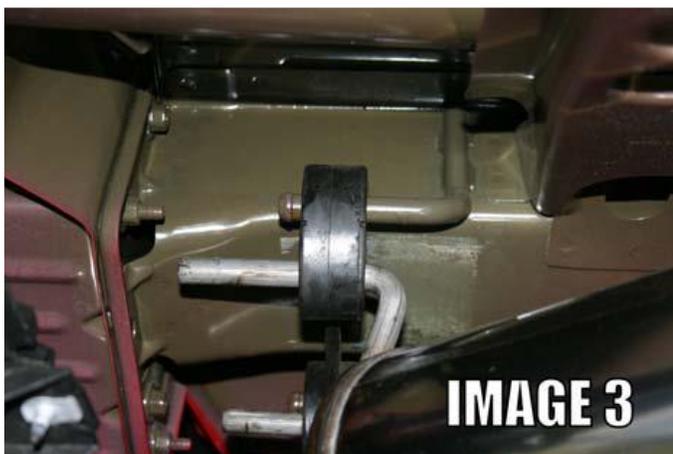
REAR SUBFRAME BUSHINGS BK024

Required Tools:

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

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**.



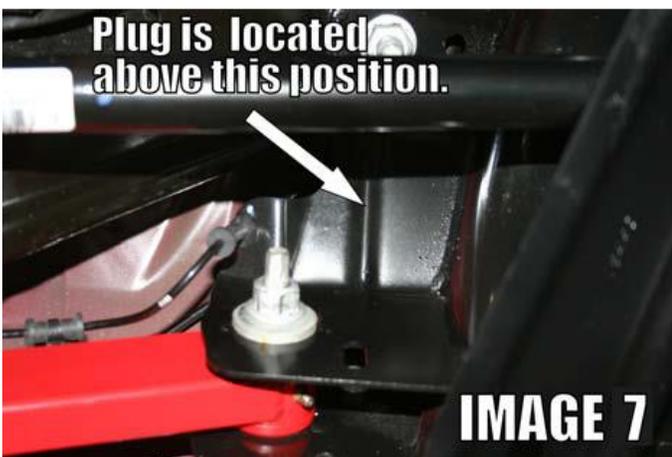
4. Using a 15mm socket, loosen the exhaust clamps at the front of the exhaust.
5. Using a helper, slide the rear muffler mounts off the mounting dowels (**Image 3**) and then pull the entire exhaust assembly rearward and out of the car.

Continued



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- 6.
7. Un-plug the fuel pump wiring harness located on the passenger side of the car next to the front cradle bushing. See **Image 4** on previous page.
8. 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.
9. 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.



10. Using **Image 7** above as a guide, locate and unplug the ABS plug located above the rear cradle.
11. Detach the emergency brake cables from the spindles. (**Image 8**)

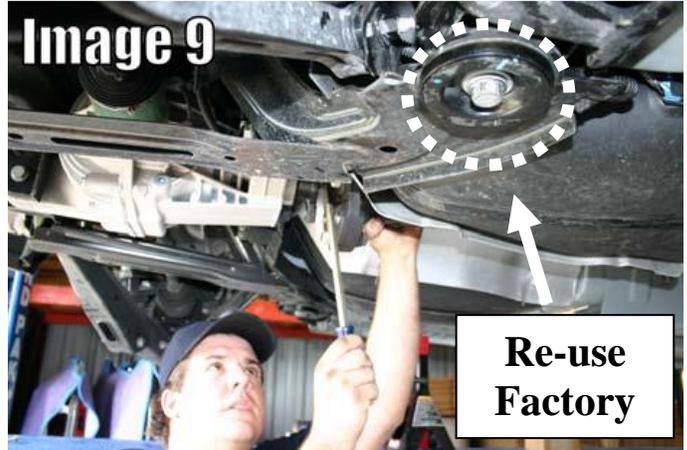


REAR SUBFRAME BUSHINGS

BK024

Rear Subframe Bushings BK024 (Continued)

12. 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).



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

(NOTE: RE-USE THE FACTORY WASHERS SHOWN BELOW)

15. Lower the rear subframe.
16. The simplest way to remove the OE bushings is to cut the tops of the bushings off flush with the top of the subframe then drive the bushings out using a large hammer.

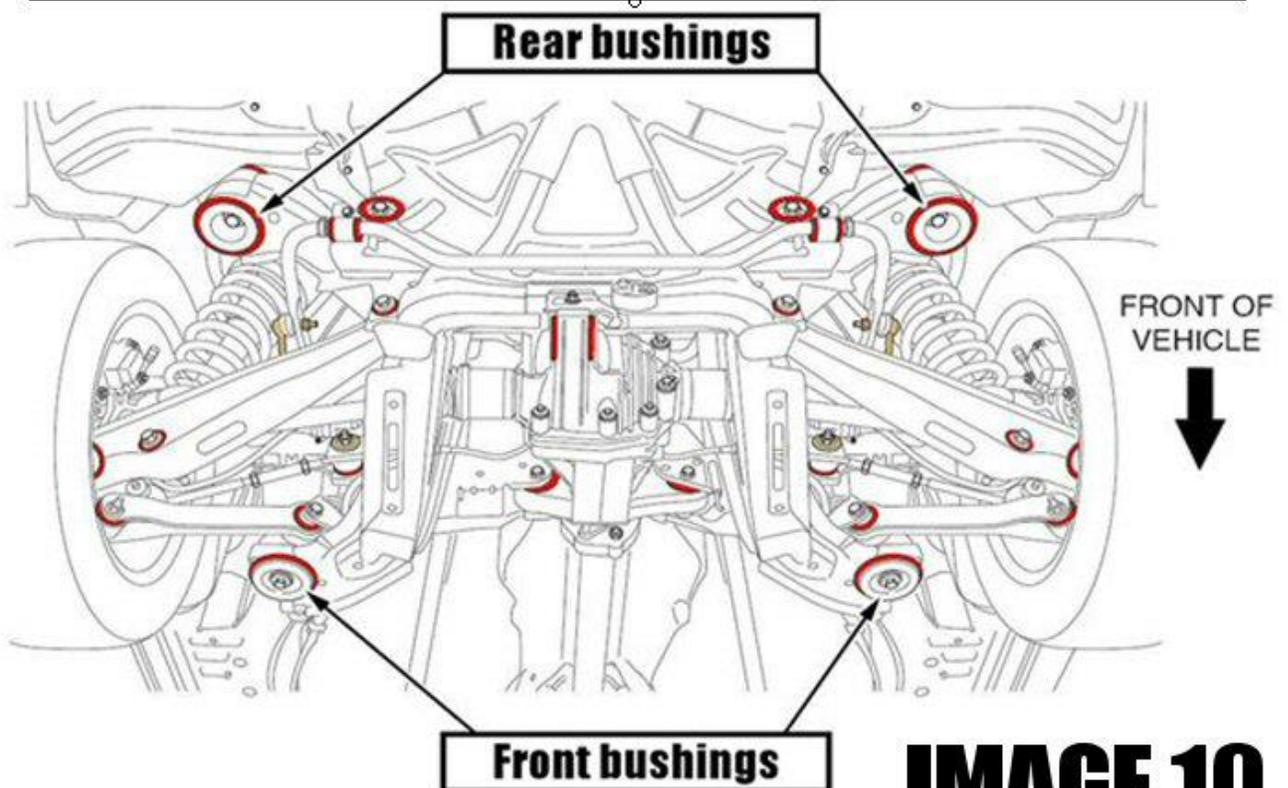


IMAGE 10



REAR SUBFRAME BUSHINGS BK024

17. Once the bushings are removed, insert the BMR polyurethane bushings with the larger bushing on top. Lube the center holes with the provided grease and insert the center steel sleeves.
18. Raise the entire assembly back into position taking care to properly align the rear dowels. Insert the bolts and factory washers, then tighten to 130 ft/lbs.
19. Re-connect the driveshaft and tighten the (3) mounting bolts to 85 ft/lbs.
20. Bolt the calipers back to the spindles and tighten the bolts to 65 ft/lbs.
21. Re-connect the rubber brake lines to the upper control arms.
22. Attach the emergency brake cables back to the spindles.
23. Re-connect the ABS plug.
24. Plug the fuel pump wiring harness back in.
25. Re-install the exhaust.
26. Bolt the driveshaft tunnel brace back into place and torque to 45 ft/lbs.
27. Install the rear wheels and lower the vehicle.

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