



Installation Manual TWM Performance Base Bushings 2003 and up Mazda 6 and MazdaSpeed 6

It is preferable to park on a flat surface, as you will need to engage and disengage the hand brake and shift from gears to neutral. If you cannot do so and are obliged to install the bushings on a slightly inclined surface, place wooden blocks in front or behind the wheels to prevent the car from moving while you're working.

Estimated Installation Time: 30-40 minutes

Tools required:

- Flat screw driver (small and large)
- Philips head screw driver
- Flash light
- Needle nose pliers
- 10 mm socket and 10 mm wrench
- 12 mm deep socket



1. Unscrew the shift knob by rotating it counter-clockwise.





2. Hold the inside edge of the console around the shift boot and grab the cup holder beside the handbrake and gently pull on it until it unclips. Don't try to get the two parts apart or you may break them, remove them together.



3. Locate the plastic caps on each side of the center console in front of the front seats. Remove them by lightly inserting a little flat screw driver and prying the cap off. Remove the screws with the appropriate screw driver and keep them in a safe place. You will need them for re-installation. TWM Performance suggests using your empty ashtray to store the removed hardware during installation.





4. Move the front seat fully forward. Between the front seat back and the rear of the center console, you will find two other plastic caps, similar to those you have removed in front. You will have to be careful for the re-installation of these caps as they only fit one way; one tab is bigger than the other, so don't force them. Remove the 2 screws.

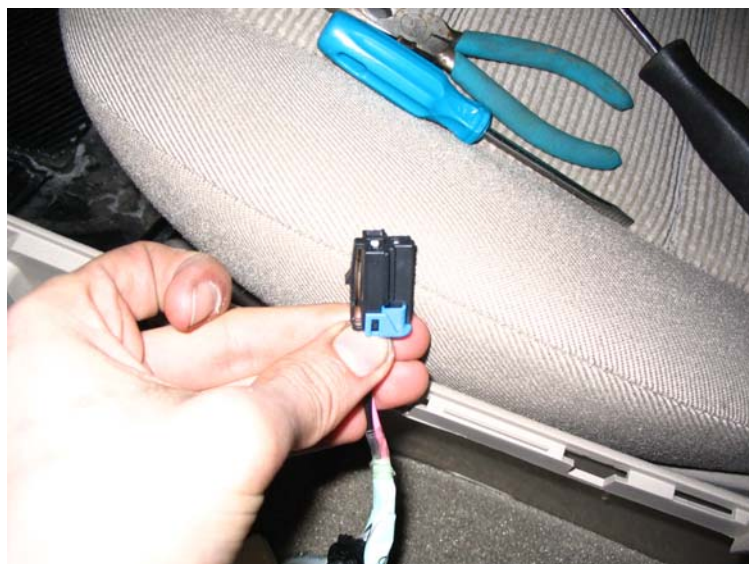


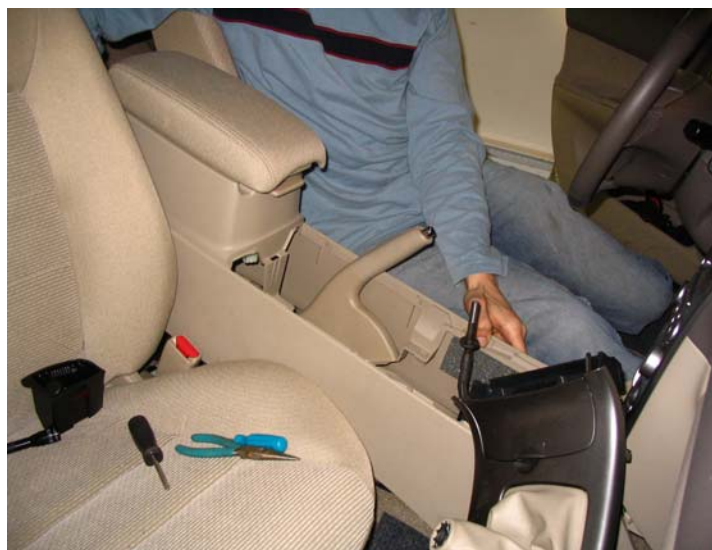
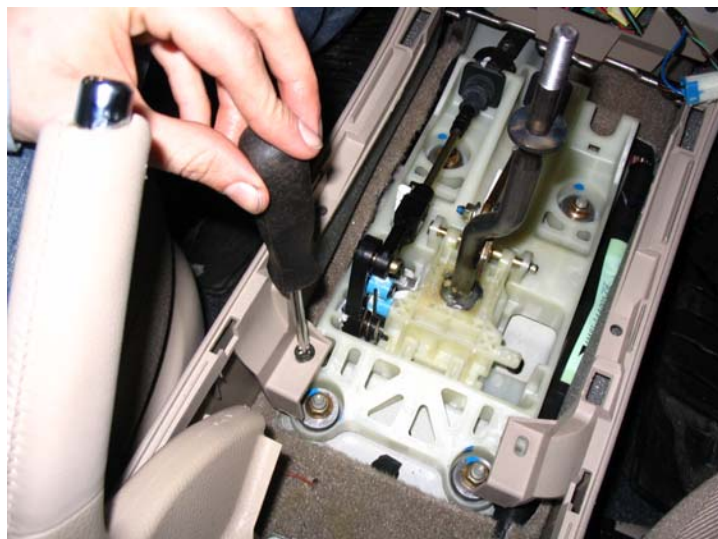
5. The next step is to open the lid of the center console and remove the foam in the bottom. You will find 2 screws that need to be removed. The flashlight may be needed here.





6. Now you have to disconnect some wires. The first ones are where the ashtray is, in front of the shift boot. Push the tab and disconnect it. The other plug next to it just needs to be pulled while pressing the small tabs on either side, but be careful with it as it's a light bulb. TWM Performance recommends covering it with a paper tissue held with tape to protect it while working on the car. The last wire to disconnect is behind the handbrake. You will need the needle nose pliers to detach the wire from the console. The plastic tabs need to be pressed while pushing on it to get it out. The plug can now be disconnected by pushing on the tab and pulling it off.

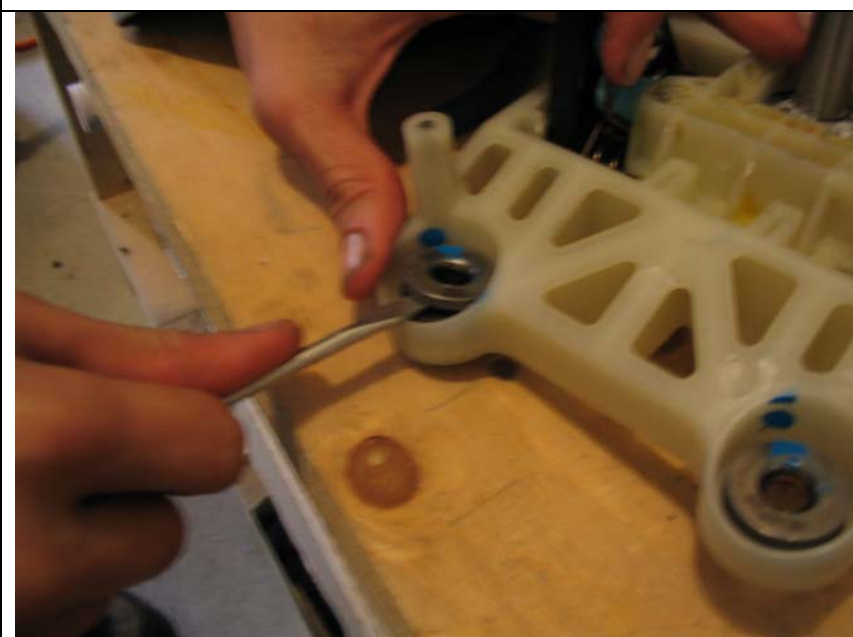




7. You now have access to four (4) screws that hold the central console on the shifter assembly and the front console. Remove these with a Philips head screwdriver. When you are done, remove the whole central console using caution not to scratch any interior components.

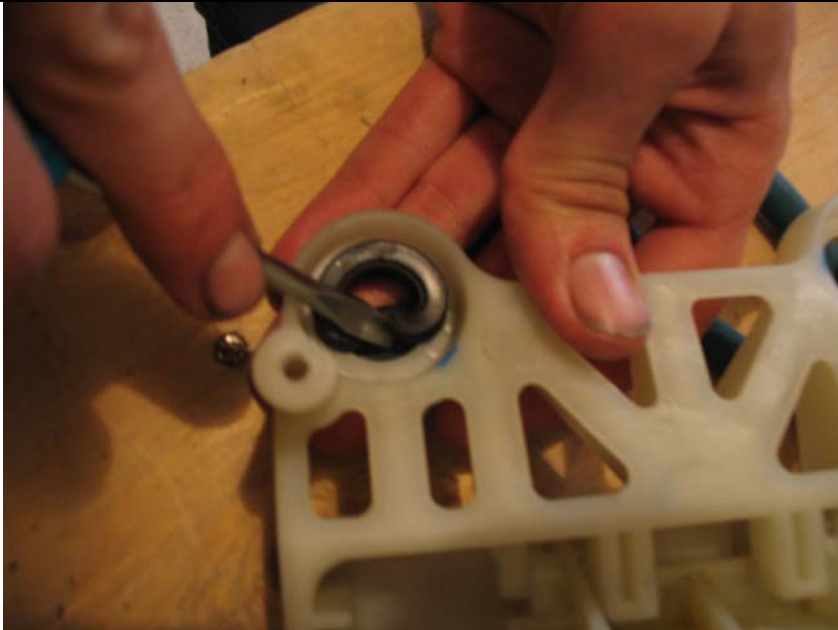


8. Remove the four (4) nuts that hold down the plastic assembly. You'll need a ratchet with a deep 12 mm socket for this step. Lift the assembly to clear the studs.



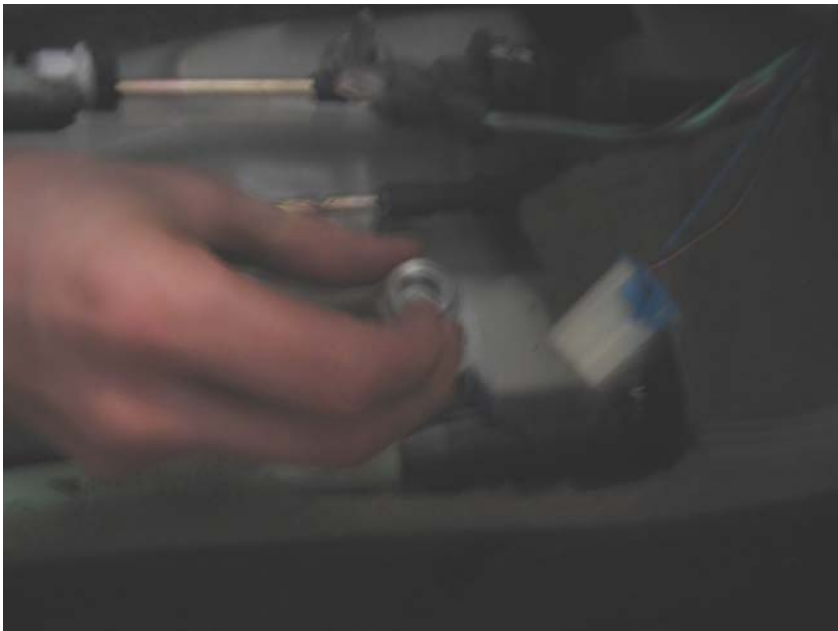
9. In order to install the new steel bushings, you need to remove the rubber ones first. Simply remove the steel sleeve out by prying up with a flat head screwdriver and pushing the bushing out from below.

NOTE: The image to the left shows the assembly out of the car but it is not necessary to remove it.



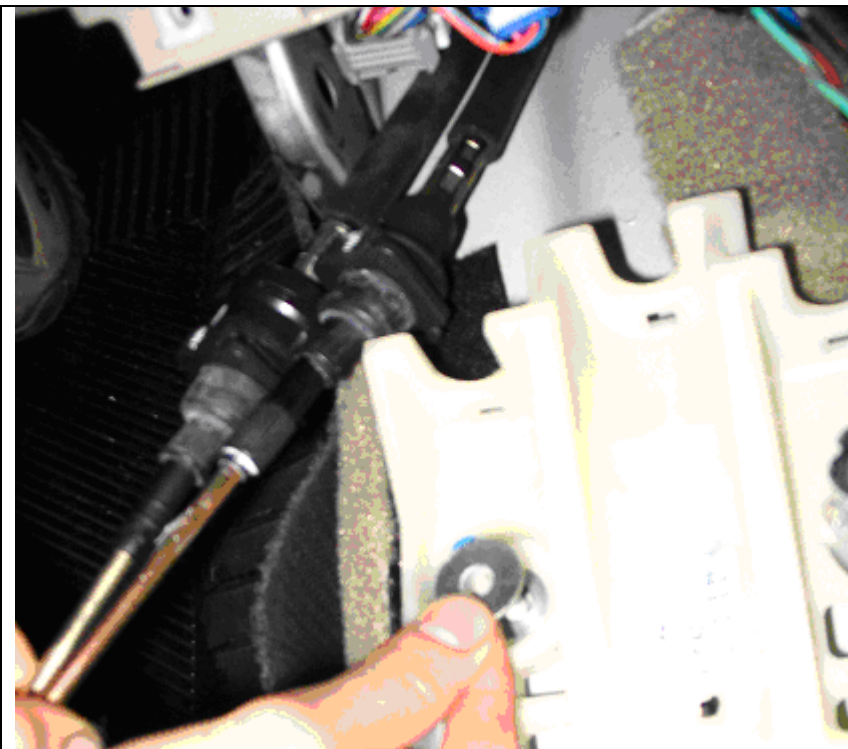
10. Next, push the rubber grommet with your finger or screwdriver out through the bottom of the plastic assembly. Repeat step 20 and 21 for all three remaining bushings.

NOTE: The image to the left shows the assembly out of the car but it is not necessary to remove it.



11. Insert the steel bushings onto the studs and place the assembly over top of them, ensuring that they are all centered and the upper smaller diameter of the bushing is completely inserted into all 4 holes in the plastic assembly.





12. Insert the provided washers on the studs, on top of the plastic assembly.

13. Bolt the assembly in place with the 12 mm socket and stock nuts.

14. Re-install center console in reverse order (start at step 7).

15. Enjoy the ride!



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- Installation costs and vehicle down time
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- Mounting hardware and bearings

