



5486  
FRONT ANTI-SWAY BAR  
06-UP DODGE MAGNUM

**CONGRATULATIONS!**

You were selective enough to choose a **BELLTECH PRODUCT**. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.

**Note:** Confirm that all of the hardware listed in the parts list is in the kit. **DO NOT** begin this installation if any part is missing. Read the instructions thoroughly before beginning this installation.

**Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

**Warning:** **DO NOT** drive the vehicle until all work has been completed and checked. Torque all hardware to values specified.

**Reminder:** Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!

**Note:** It is very helpful to have an assistant available during the installation process.

**Note:** We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

**RECOMMENDED TOOLS:**

- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Ratcheting socket wrench and socket sets
- Safety Glasses
- Air Ratchet

**KIT INSTALLATION**

1. Open the hardware kit and remove all of the contents. Refer to the part list (Page 3) to verify that all parts are present.
2. Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the FRONT wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1<sup>st</sup> gear (manual) or "Park" (automatic).
3. Using a properly rated floor jack, lift the REAR wheels of the vehicle off the ground. Place support stands, rated for the vehicle's weight, and in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.
4. It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage! Make sure that the supports stands are properly placed prior to performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.
5. Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they properly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.

6. Locate the front original equipment Anti-Sway Bar. Covering the bushing brackets are heat guard covers that are attached to the main chassis of the vehicle. Using an 8mm wrench, remove the mounting hardware that mounts the guard covers (Photo 1,2). Remove the hardware and guard cover completely and put aside.
7. Locate the end link end that attaches to the original equipment Anti-Sway Bar. Using a 21mm wrench or air ratchet with a 21mm socket head, remove the mounting nut completely (Photo 3). Leave the screw shaft within the Sway Bar on both ends.
8. Locate the bushing brackets. Using a 15mm wrench or air ratchet with a 15mm socket head, un-bolt , but do not remove the top mounting bolt (Photo 4). Again using the 15mm wrench, un-bolt the bottom mounting bolt and remove it completely. Be sure to loosen the top mount enough, but not removing the mounting bolt. You are now able to move the bottom of the bushing bracket upward exposing the bushing itself (Photo 5).
9. Grabbing the original equipment Anti-Sway Bar, pull the original equipment Anti-Sway Bar down out of the bushing bracket (Photo 6).  
  
**Note:** For reference purposes, to simplify where the new bushings go, place the original equipment Anti-Sway Bar on the ground leaving in place the location of the original bushings. Place the new Anti-Sway Bar on the ground next to the original equipment Anti-Sway Bar and locate the new bushings in the same locations.
10. Thoroughly lubricate the **inside** of your new hyper thane bushings using a high-grade lithium or silicone-based grease with molybdenum disulfide (moly) (Photo 7). Install the new bushings onto the new Anti-Sway Bar.
11. Holding the new Anti-Sway Bar up, install one end of the end link and finger-tight the mounting nut only. Swinging the other end of the Anti-Sway Bar up, insert the other side end link and finger-tight the mounting nut. The new Anti-Sway Bar should now be hanging down from the end links.
12. Grabbing the center of the new Anti-Sway Bar, rotate it upward to where the new bushings will fit into the original equipment bushing bracket (Photo 8).
13. Rotate the original equipment bushing bracket down to its original position. Using a 15mm wrench, tighten to torque specs, the bottom mounting bolt (Photo 9).
14. On both bushing brackets, torque all mounting hardware to spec (Photo 10, 11).
15. Using a 21mm wrench or an air ratchet with a 21 socket head, torque the mounting nut on the end link mounts (Photo 12).
16. Re-install the heat shield guard cover. Using an 8mm wrench, install and tighten (Photo 2)
17. Check that all components and fasteners have been properly installed, tightened and torqued.
18. Check brake hoses, steering and other components for any possible interference.
19. Lift vehicle and remove support stands. Carefully lower vehicle to ground.
20. Immediately test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially different now that it has been modified.
21. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

## PARTS LIST FOR ANTI-SWAY BAR KIT

PART No.	DESCRIPTION	QTY.
50504-300	Front ASB	1
50504-020	Pivot Bushings	2
55000-10	Grease Pack	1



PHOTO 1



PHOTO 4

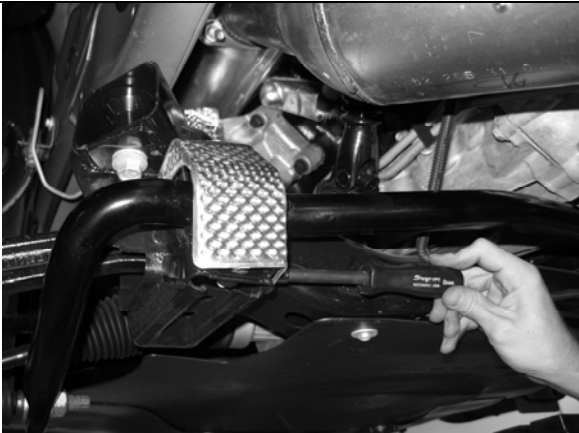


PHOTO 2



PHOTO 5

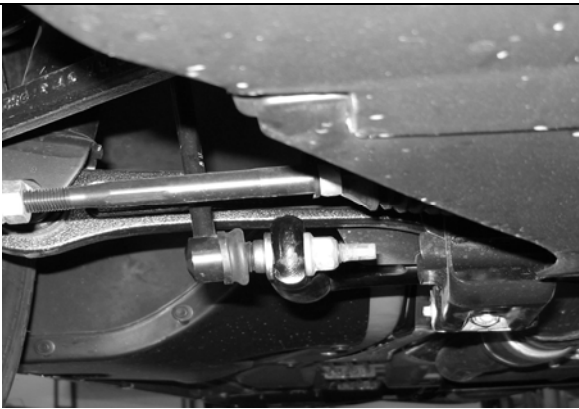
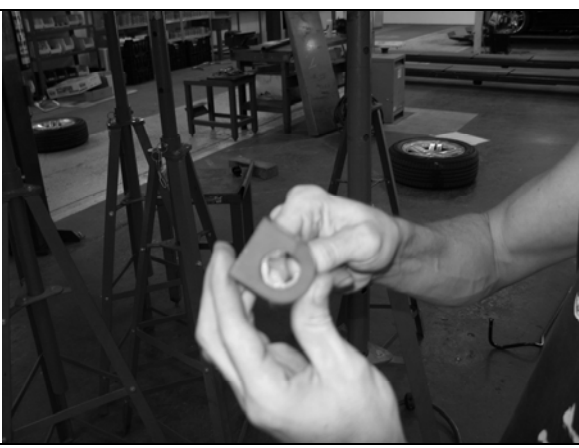


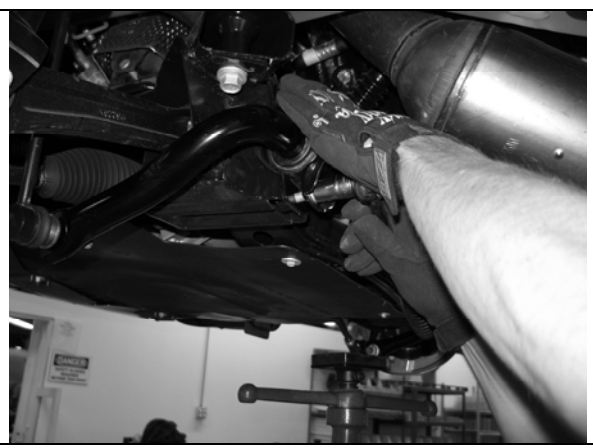
PHOTO 3



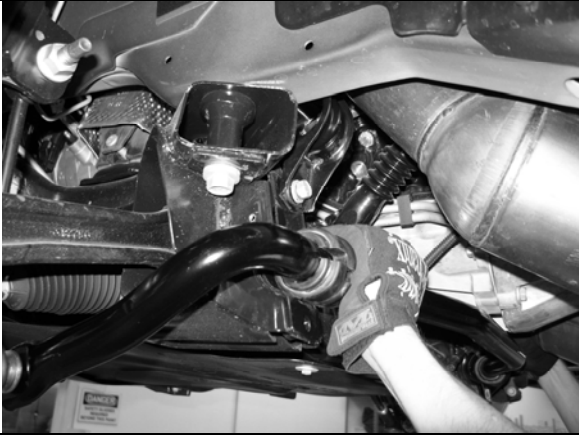
PHOTO 6



**PHOTO 7**



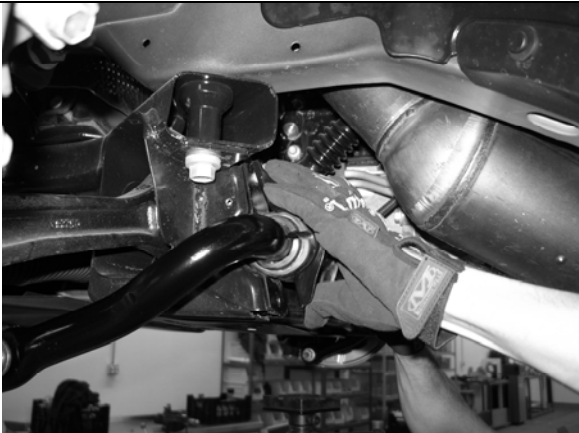
**PHOTO 10**



**PHOTO 8**



**PHOTO 11**



**PHOTO 9**



**PHOTO 12**