

## **MINI COOPER DAMPER**

**For 2001 - 2006 Base and S Models**  
**Part # 917992**

**Tools you will need (belt removal requires 2 people)**

- |   |  |
|---|--|
| <input type="checkbox"/> 15 mm Socket to remove stock damper bolt   | <input type="checkbox"/> Damper Puller / Installer |
| <input type="checkbox"/> Special Belt Tensioner Tool to remove belt | <input type="checkbox"/> Torque Wrench – Ft/Lbs    |
| <input type="checkbox"/> Philips Screw Driver                       | <input type="checkbox"/> 10 mm Allen wrench        |
| <input type="checkbox"/> Flat Blade Screw Driver                    | <input type="checkbox"/> Blue Loctite              |

**Supplied:** 12mm 1.75 X 100mm Bolt and washer

**ATI's Super Damper is a "press fit" damper and will be tight to install.**

1. Remove the right front wheel
2. Remove the right front inner fender, eight (8) plastic snaps and three (3) metal screws.
3. Turn the wheels all the way to right to give you more room to work.
4. You now have access to the OEM damper.
5. Use the 15mm Socket to remove the front damper bolt. Clean and save for re-use.
6. Use the Belt Tensioner Tool to remove the belt. (This tool has a long handle with 2 pins.)  
**NOTE!** This is a two person job. The belt routing can easily get confused. We suggest a small diagram be drawn for reference.
7. Remove the OEM damper with a damper puller/installer. The OEM damper has a 2.150 bolt circle and requires an OEM puller or one that will accept that bolt pattern and has a shaft to fit through a 1/2" front hole to back off nose of crank.
8. Inspect the crank for any burrs or nicks. Blow out the threaded hole so that it's free of debris.
9. Start damper by hand (Heat the back side of the damper with a coffee warmer or hotplate.)
10. The ATI Super Damper has a small counterbore area to allow the damper to start on straight before press fit. This will allow you to begin installation a small amount by hand.
12. Use the supplied long bolt and washer to grab enough threads to pull your damper on most of the way. Taking care not to use too much force, continue until this bolt bottoms out. Remove the bolt.
13. Use the OEM bolt to finish installing the damper. Apply Blue Loctite and torque to 85 ft/lbs.
14. Reinstall the belt, making sure you have proper routing (refer to your diagram). Start the engine and let it idle before reinstalling the tire and fender to make sure the belt alignment is straight.
15. Put the inner fender back on and install the tire and torque.

Happy Motoring with your new ATI Super Damper!