

# **Installation Instructions: Automatic Belt Tensioner**

## **(Chrysler 3.0L / 3.3L / 3.8L V6)**



### **WARNING**

**DO NOT DISASSEMBLE TENSIONER.** The automatic tensioner spring is an extremely powerful component that is continuously under preload. It can cause serious personal injury.

For safety, always disconnect battery and wear appropriate safety equipment before performing any work under the hood.

1. Always install tensioner per vehicle manufacturer's guidelines.
2. Look for OE belt routing diagram located under hood or on front support panel. If unavailable, make simple sketch to aid reinstallation prior to belt removal.
3. Using a 15mm wrench or socket, engage tool onto tensioner pulley bolt and rotate tensioner arm clockwise away from the belt. Remove belt.



Be careful that wrench socket or breaker bar is properly seated and positioned to allow clearance when tensioner reaches load (end) stop. Otherwise, your hand may be pinched or the tool may be trapped. Never cut or pry belt off while under tension

4. The tensioner is mounted on a bracket by an M10 nut from behind. Remove tensioner mounting nut using a 15mm socket and remove tensioner from engine. Note: Original equipment nut to be reused for mounting replacement tensioner.
5. Ensure that tensioner mounting surface is clean and free of debris before installing new tensioner.
6. Install replacement tensioner with locating feature into appropriate hole in bracket and torque mounting nut to 40 - 48 ft.lbs.
7. Reinstall belt per original layout (repeat step 3).
8. Ensure the belt is properly seated in all pulley grooves and routed correctly. Be careful belt is not misaligned by one or two grooves in any pulleys. Start engine for 30 seconds, shut off, and recheck that the belt is seated and tracking properly.

## **SAFETY REMINDER:**

**REMOVE ALL TOOLS FROM THE ENGINE AFTER THE BELT INSTALLATION IS COMPLETED.**

Note: Please be advised that for vehicle use in heavy snow or high humidity environments, the addition of a snow shield washer is recommended for this tensioner application.  
This part (P/N 05003480AA) is available at your DaimlerChrysler dealer.