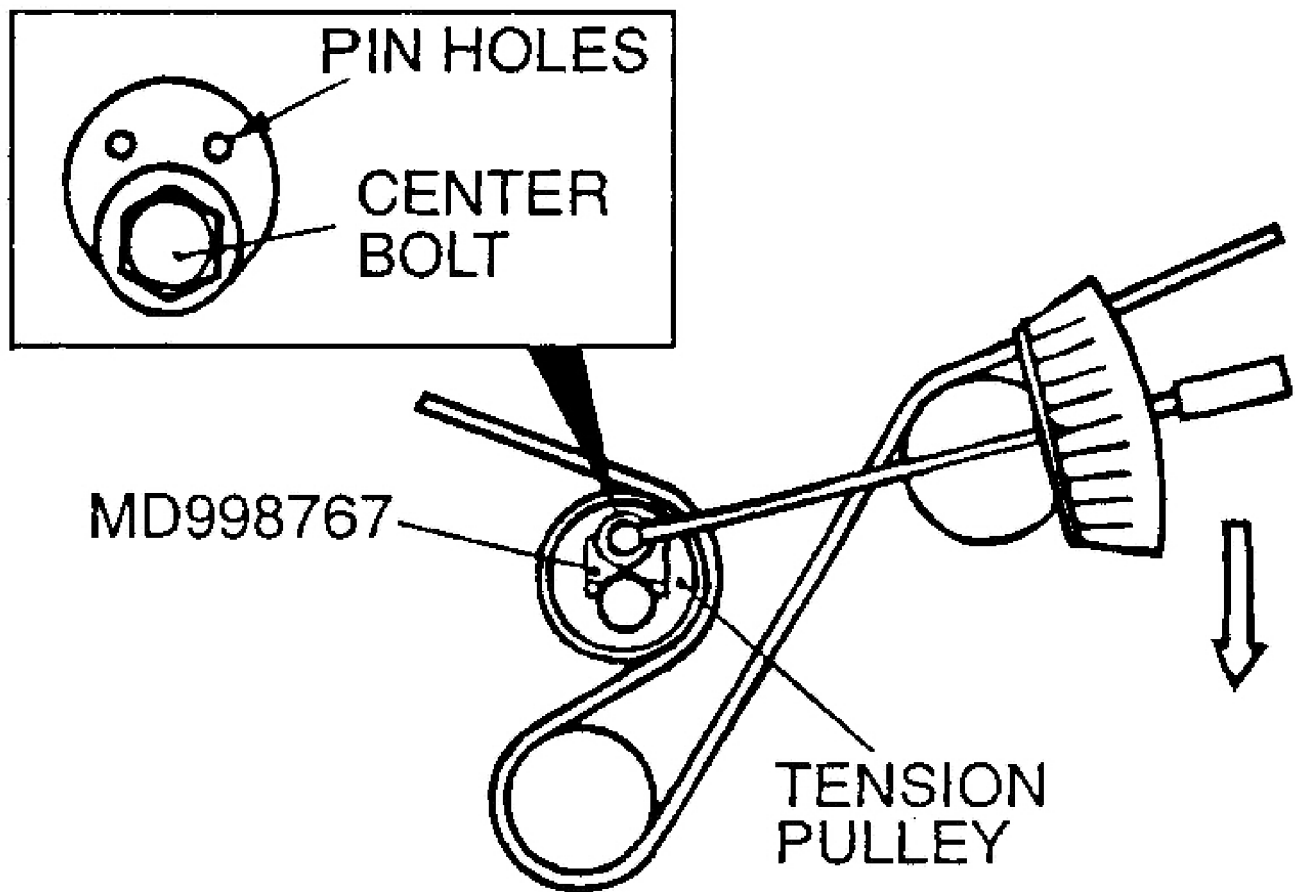


Installation

1. Place auto-tensioner in soft-jawed vise to SLOWLY compress the push rod. If there is a plug at the base of the auto-tensioner body, place flat washer around plug so it will not contact vise jaw.

CAUTION: Never compress the auto-tensioner too fast, or the push rod will be damaged.

2. Slowly compress auto-tensioner push rod until holes in push rod and auto-tensioner housing are aligned. Insert a locking pin into the alignment holes. Install auto-tensioner on engine.
3. Ensure all timing marks are still aligned. See **Fig. 3**. Install timing belt on crankshaft sprocket, idler pulley, left bank camshaft sprocket, water pump pulley, right bank camshaft sprocket, and tensioner pulley. Take all slack out of timing belt.
4. Loosen the tensioner pulley center bolt. Rotate tensioner pulley against timing belt. Temporarily tighten tensioner pulley center bolt. Turn crankshaft 1/4 turn counterclockwise. Turn crankshaft 1/4 turn clockwise. Ensure all timing belt marks are still aligned.
5. Loosen tensioner pulley center bolt. Position tensioner pin holes at bottom of tensioner. Install Adapter (MD998767) on tensioner pulley. See **Fig. 5**. Using torque wrench, apply 39 INCH lbs. (4.4 N.m) of torque (counterclockwise direction) to tensioner pulley. Tighten tensioner center bolt to specification while holding tensioner pulley stationary. See **TORQUE SPECIFICATIONS**.
6. Remove locking pin from auto-tensioner. Turn crankshaft 2 revolutions clockwise and align all timing marks. DO NOT rotate counterclockwise.
7. Wait for at least 5 minutes, then check auto-tensioner push rod protrusion. To check push rod protrusion, measure clearance between body of auto-tensioner and bottom of tensioner pulley bracket arm. Clearance should be 0.19-0.24" (4.8-6.0 mm). If protrusion is not correct, repeat timing belt tensioning procedure.
8. Install timing belt covers. Install crankshaft pulley. Using Pulley Holder (MB991800) and Pins "B" (MB001802), tighten crankshaft pulley bolt to specification. See **TORQUE SPECIFICATIONS**. To complete installation, reverse removal procedure.



G00244827

Fig. 5: Adjusting Timing Belt Tension

Courtesy of MITSUBISHI MOTOR SALES OF AMERICA.