

The 944 Belt Tension Usage Guide www.44andmoreparts.com

1. Setting the timing belt tension

- 1.1. Remove belt cover, for '86 and earlier cars, you will need to remove chrome belt guide (photo 1-1a yellow arrows) and remove top belt idler (photo 1-1b red arrow).
- 1.2. Bring the # one cylinder to TDC (top dead center) and check tension to get a base tension.
- 1.3. Now rotate the eccentric tooth cogged belt roller (24mm or 27mm nut) to add tension to the belt and lock it down with 17mm nut.
- 1.4. Now rotate the motor clockwise using the crank nut (24mm) two complete turns back to TDC then rotate counterclockwise 1-1/2 teeth on the cam sprocket.
- 1.5. Check the tension on the belt it should be 35 lbs for a USED belt and 40 lbs for a NEW belt.
- 1.6. Repeat steps 3 thru 5 until desired tension is achieved.
- 1.7. Take 5 readings in a row to see if you can get the same result. Care needs to be exercised to ensure you do not bump the needle on the belt cover or water pump pulley or the reading will be inaccurate.
- 1.8. Once the belt is tensioned, simply reinstall the idler, belt guide.

2. Setting the balance shaft belt tension.

- 2.1. Bring the balance shaft sprockets to the point where the top sprocket notch and bottom sprocket notch align with the notch and plastic indicator (photo 2 yellow arrow)
- 2.2. Now rotate the eccentric tooth cogged belt roller (24mm or 27mm nut) to add tension to the belt and lock it down with 17mm nut. (photo 2 red arrow)
- 2.3. Use a setting of 28 lbs on the tool (small nick below 30lbs) for the balance shaft belt.
- 2.4. Ensure that the indicator arm of the belt tool is placed directly on a belt tooth and not in a space between the teeth.
- 2.5. Repeat steps 2 thru 4 until desired tension is achieved.
- 2.6. Take 5 readings in a row to see if you can get the same result. Care needs to be exercised to ensure you do not bump the needle on the belt cover or water pump pulley or the reading will be inaccurate.

Photo 1

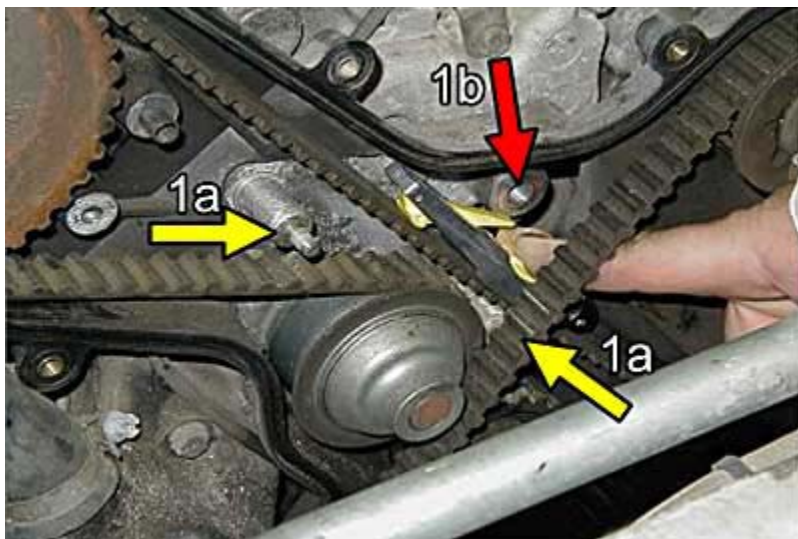
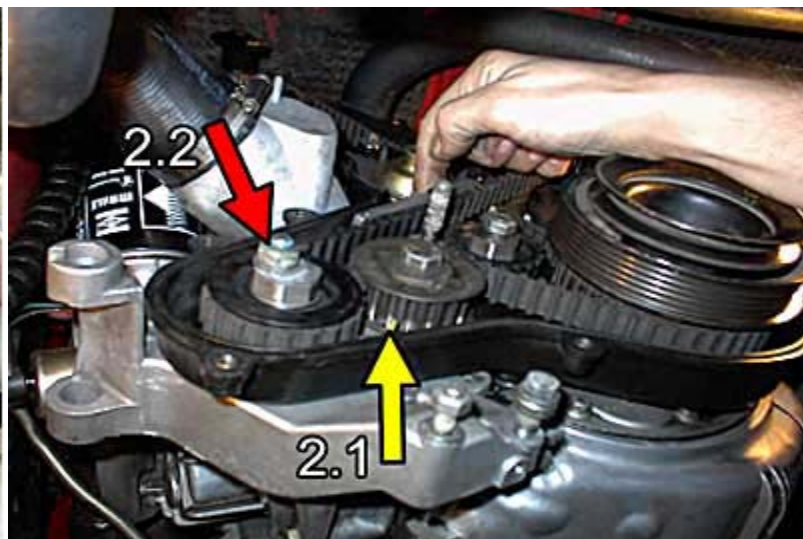


Photo2



Like anything else, this requires some practice. However in 5 minutes you should be a pro at it!

DISCLAIMER The user of this tool assumes all liabilities and risks in so doing