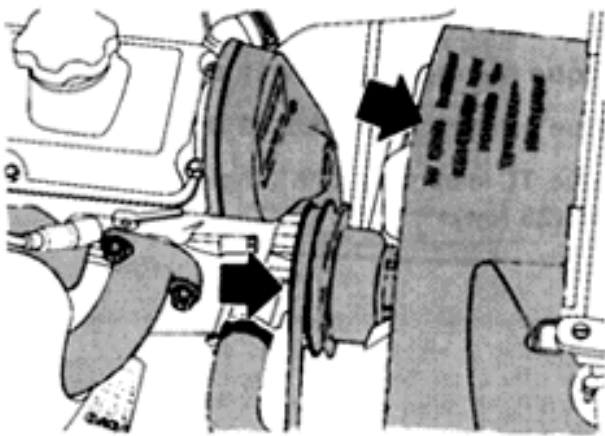


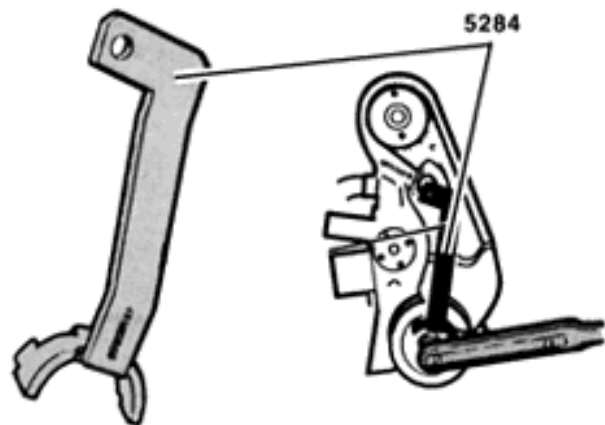
Replacing the Timing Belt B230



(1994 & newer, 4-cylinder, overhead camshaft, non-turbo & turbo sedans and wagons)
Check your owner's manual for the recommended replacement interval.

Preparations:

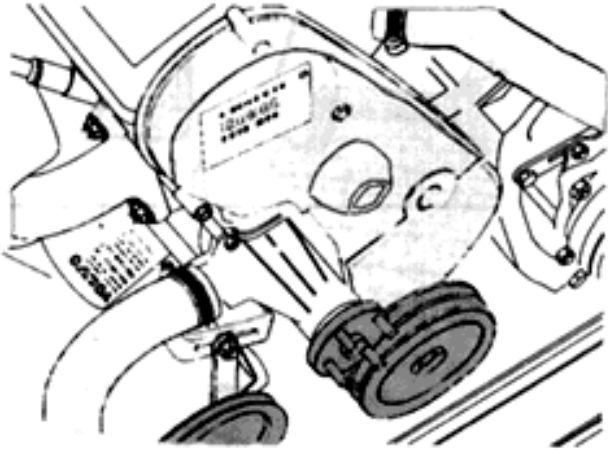
Remove engine cooling fan (FC and fan shroud, clips for preheater hose, drive belts and upper timing belt cover.)



Special Tool:

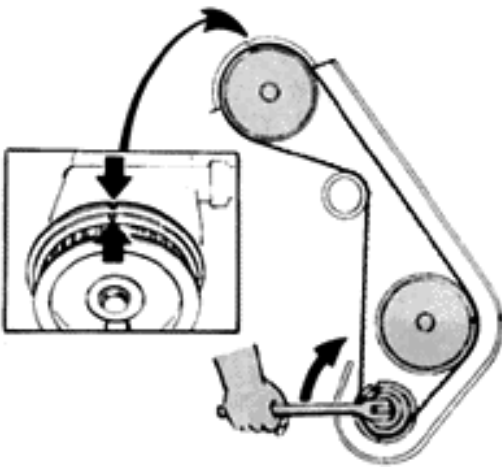
Use special tool 5284 to hold when removing crankshaft pulley.

- Remove tensioner nut and washer.
- Attach tool 5284 to tension stud.
- Use tensioner nut (no washer) to hold tool 5284.



Remove:

- Crankshaft pulley and vibration damper assembly.
- Lower timing belt cover.



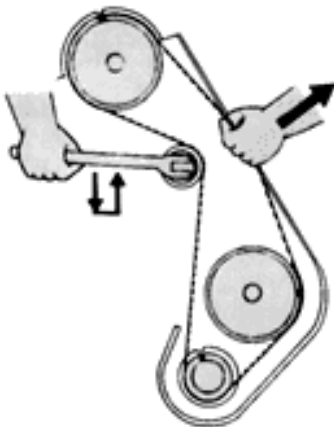
Line up engine:

- Use crankshaft center bolt to turn engine.
- Set mark on camshaft pulley toward mark on valve cover.

IMPORTANT!

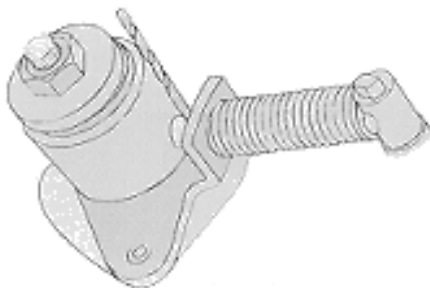
Do not turn crankshaft or camshaft with timing belt removed.

Pistons and valves will collide.



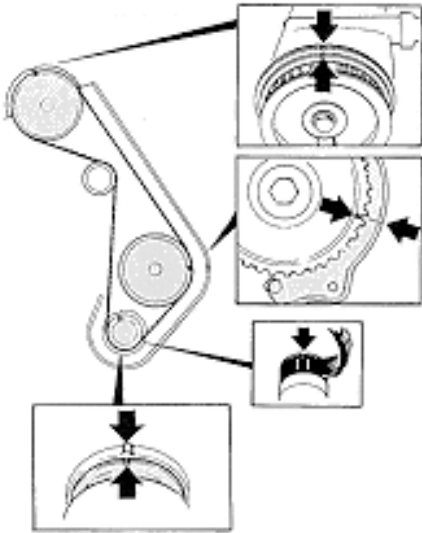
Remove Timing Belt:

- Loosen tensioner nut approx. 1 turn.
- Pull belt to compress tensioner spring.
- Tighten tensioner nut.
- Secure spring tensioner by appropriate drill, or similar, through hole in tensioner bolt.



Check Tensioner:

- Check tensioner roller bearing.
- Check tensioner roller.
- If roller surface is damaged, roller as well as timing belt must be replaced.



Check that engine is correctly lined up:

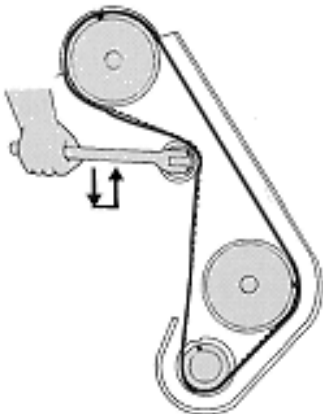
IMPORTANT!

Do not turn crankshaft or camshaft with timing belt removed. Pistons and valves will collide.

Install Drive Belt

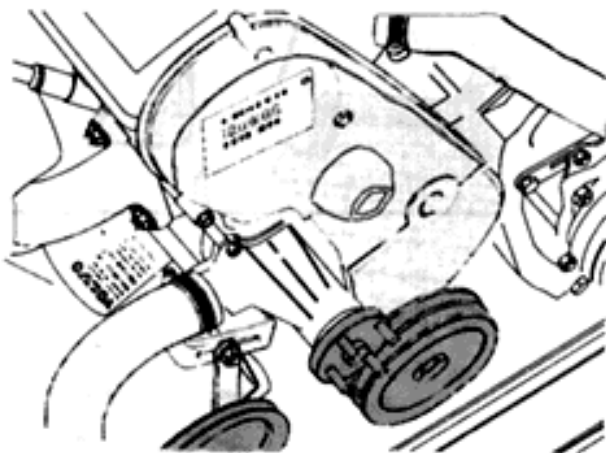
First place timing belt on crankshaft sprocket and then on intermediate shaft sprocket. Two lines on timing belt should fit toward crankshaft marks.

Stretch timing belt on tension side and fit timing belt on camshaft sprocket and tensioner roller. Make sure timing belt is correctly installed and sprocket marks line up with marks on engine.



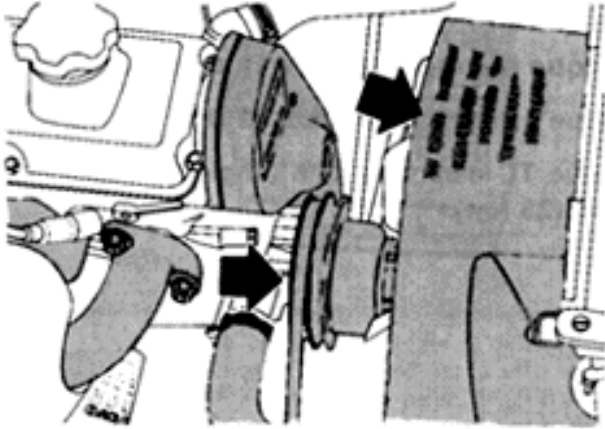
Tension timing belt:

Loosen tensioner nut approx. 1 turn to let it tension timing belt. Then tighten tensioner nut again.



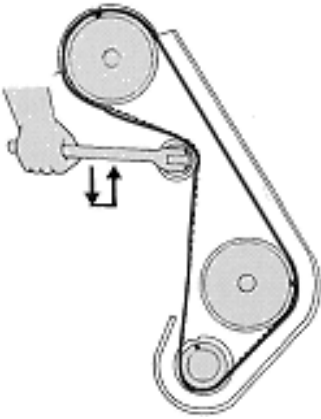
Install Timing Belt Covers:

Install crankshaft pulley vibration damper. Use special tool 5248 to hold.



Install:

Install clips for preheater hose, fan, fan shroud and drive belts. Check that ignition timing is correct.



Run Engine

Run engine until it reaches normal operating temperature while checking operation. Then stop engine.

Readjust timing belt tension.

Remove rubber plug from cover. Release belt tensioner nut approx. 1 turn to let tensioner spring stretch timing belt. Rotate engine clockwise at least one half turn to top dead center (TDC) using crankshaft bolt.

Retighten nut and install rubber plug in cover.