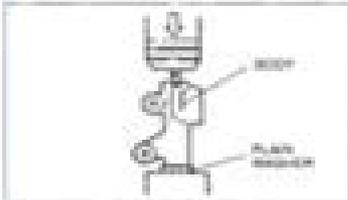


# Mazda MPV 1989-1999 Workshop Manual



## Installation Note

### Timing belt auto tensioner

1. Set a plain washer at the bottom of the tensioner body to prevent damage to the body plug.

### Caution

- Pressing the tensioner rod with more than 5,007 N (1,120 kgf, 2,200 lbf) can damage the tensioner spring.

2. Press in the tensioner rod slowly by using a press.
3. Insert a pin to hold the tensioner rod in the body as shown.
4. Install the auto tensioner to the cylinder block.

### Tightening torque:

18–25 N·m (1.9–2.8 kgf·m, 14–18 ft·lb)



## Timing belt

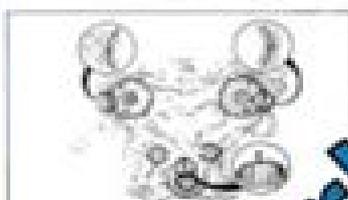
1. Install the crankshaft pulley lock bolt and handle.

2. Turn the crankshaft pulley counter-clockwise and align the timing marks.

### Caution

- Excessive force will damage the belt and shorten its life. Do not twist the belt, turn it inside out, or allow oil or grease on it.

3. Position the timing belt in the original direction, and hang it on each pulley in the order shown.



## TIMING BELT

### PREPARATION SET

#### CRANK PULLEY

Handle  
coupling  
knob

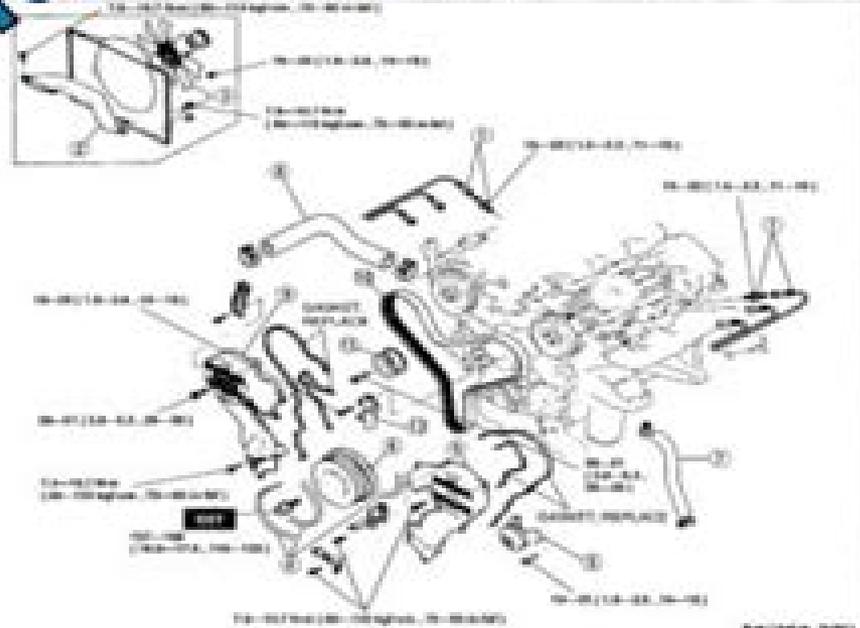


#### Pin

For  
tensioner  
rod

### REMOVAL / INSTALLATION

1. Disconnect the battery negative cable.
  2. Drain the engine oil.
  3. Remove in the order shown in the figures, referring to **REMOVAL NOTE**.
  4. Install in the order shown in the figures, referring to **INSTALLATION NOTE**.
  5. Fill the crankcase oil reservoir with the specified amount and type of engine coolant.
1. Disconnect the battery negative cable.
2. Drain the engine oil.
3. Remove in the order shown in the figures, referring to **REMOVAL NOTE**.
4. Install in the order shown in the figures, referring to **INSTALLATION NOTE**.
5. Fill the crankcase oil reservoir with the specified amount and type of engine coolant.



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**Katrin Zwirglmaier**



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