

# Timing Belt

## Installation

### CAUTION.

- Do not rotate the crankshaft or camshafts with the timing belt removed. The pistons may hit the valves and cause damage.
- When installing the timing belt, turn the crankshaft pulley clockwise 15° past No. 1 piston TDC. After adjusting the left and right camshaft pulleys to TDC, turn the crankshaft pulley counterclockwise back to TDC.
- Inspect the water pump when replacing the timing belt (see page 10-10).

1. Install the timing belt in the reverse order of removal;  
Only key points are described here.

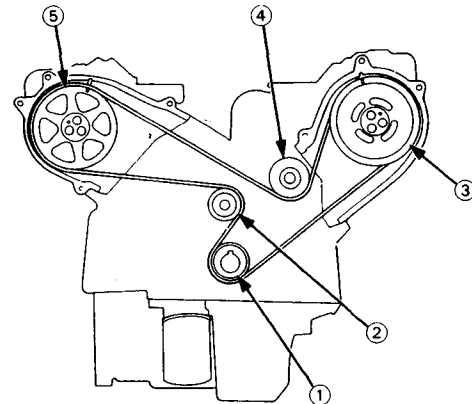
2. Remove all spark plugs.

3. Position the crankshaft and the camshaft pulleys as shown before installing the timing belt.

Ⓐ Set the crankshaft so that the No. 1 piston is at top dead center. Align the A mark on the teeth side of the timing belt drive pulley to the pointer on the oil pump.

Ⓑ Align the TDC mark on the left camshaft pulley to the pointer on the left back cover.

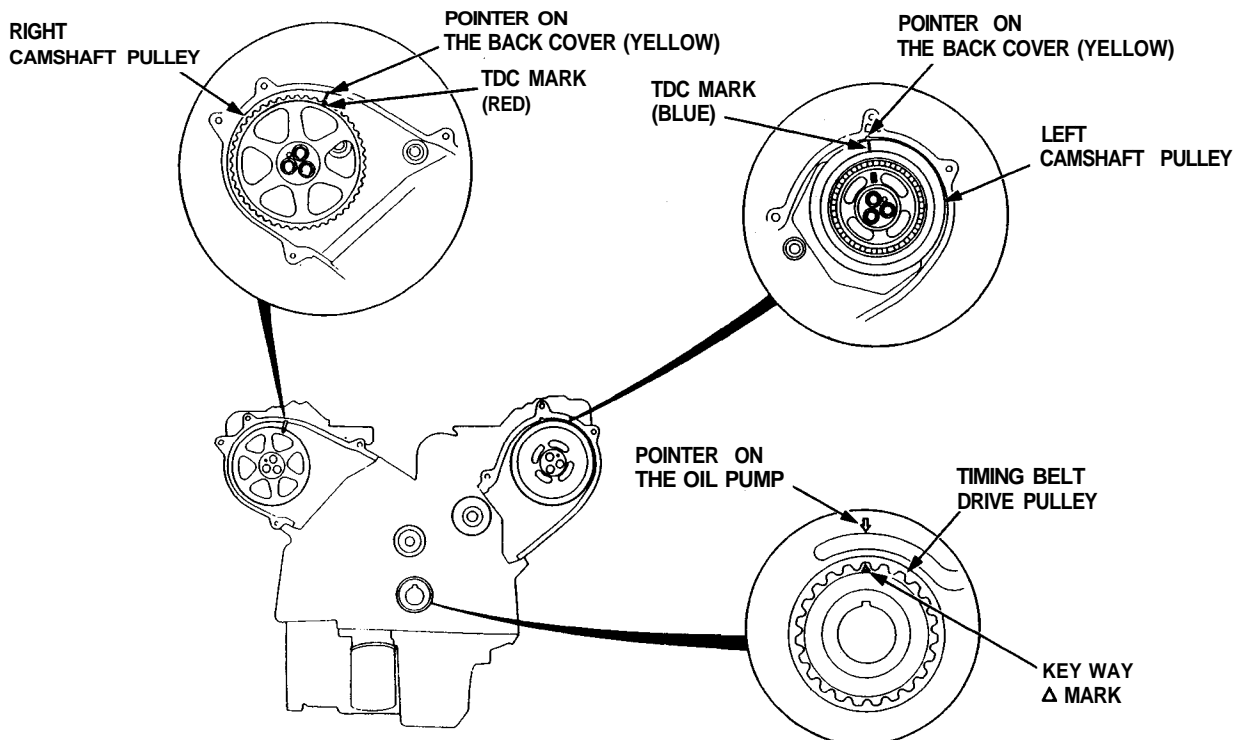
Ⓒ Align the TDC mark on the right camshaft pulley to the pointer on the right back cover.



4. Install the timing belt tightly in the sequence shown.

①Timing belt drive pulley (crankshaft) → ②Adjusting pulley → ③Left camshaft pulley → ④Water pump pulley → ⑤Right camshaft pulley.

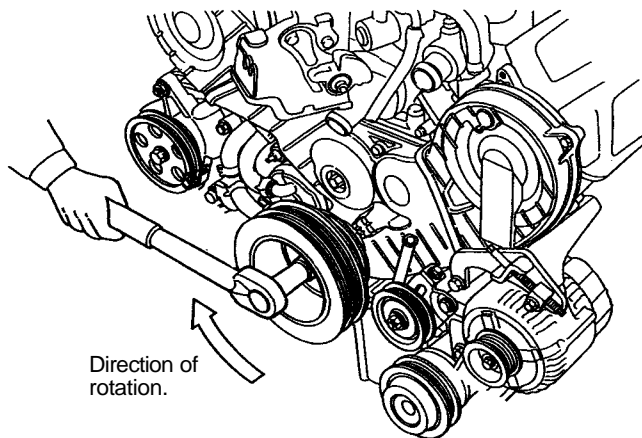
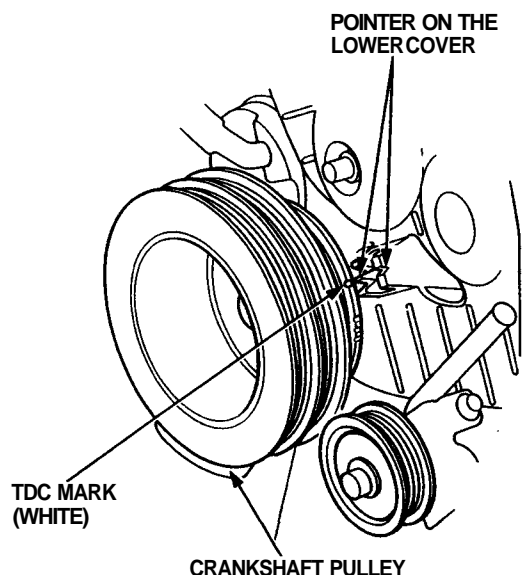
- For easy installation, advance the right camshaft pulley by about a half tooth from the TDC position.



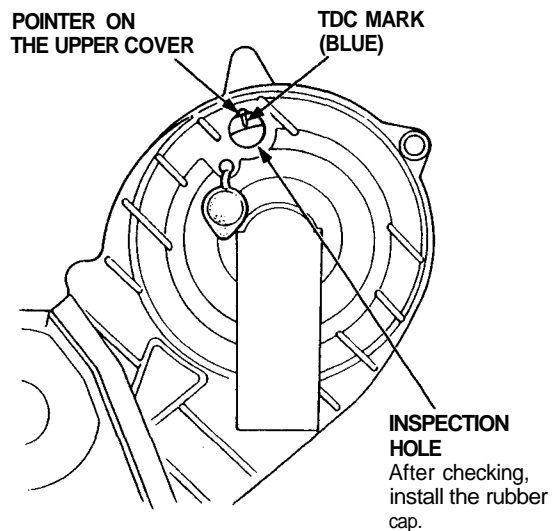


5. Loosen the adjust bolt, and retighten it after tensioning the belt.
6. Install the lower cover and crankshaft pulley.
7. Rotate the crankshaft about 5 or 6 turns clockwise so that the belt may fit in position on the pulleys.
8. Carry out timing belt tension adjustment (see page 6-29).
9. Check the crankshaft pulley and the camshaft pulleys at TDC.

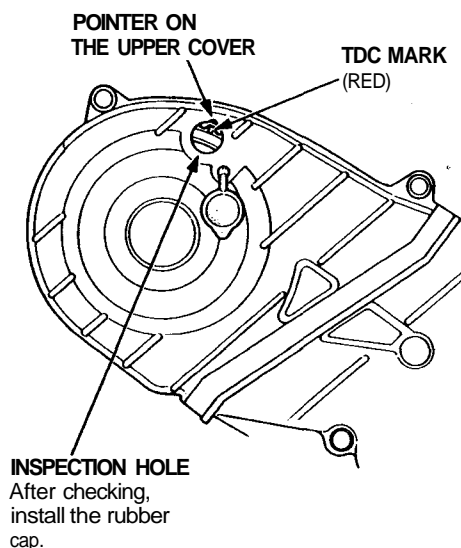
#### CRANKSHAFT PULLEY:



#### LEFT CAMSHAFT PULLEY:



#### RIGHT CAMSHAFT PULLEY:



10. If the camshaft pulleys are not positioned at TDC, remove the timing belt and adjust the positioning following the procedure on page 6-34, then reinstall the timing belt.

NOTE: Refer to page 6-31 for timing belt removal.

11. After installation, adjust the tension of each belt.
  - See section 23 for alternator belt tension adjustment.
  - See section 17 for power steering pump belt tension adjustment.
  - See section 21 for air conditioner compressor belt tension adjustment.