

Timing Belt

Installation

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

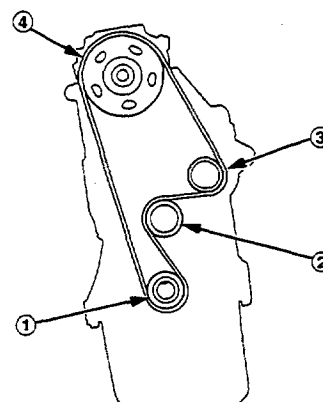
NOTE: Clean the upper and lower covers before installation.

1. Position the crankshaft and the cam pulleys as shown before installing the timing belt.

- A Set the crankshaft so that the No. 1 piston is at top-dead-center (TDC).

NOTE: Align the groove on the teeth side of the timing belt drive pulley to the ∇ pointer on the oil pump.

- B D14A2 engine: Align the TDC marks on the cam pulley with the cylinder head upper surface.
D16Y2, D16Y3 engines: Align the TDC mark on the cam pulley with pointer on the back cover.
D15Z3 engine: Align the TDC marks on the cam pulley with pointers (triangle marks) on the back cover.

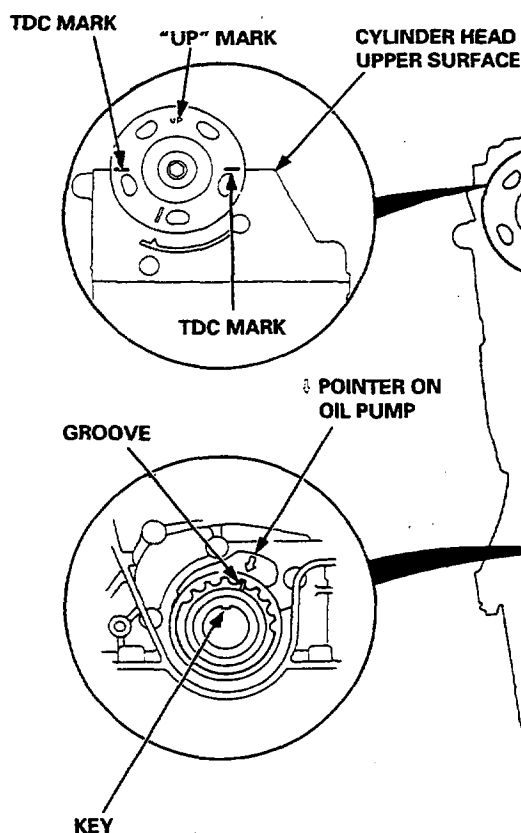


2. Install the timing belt tightly in the sequence shown.

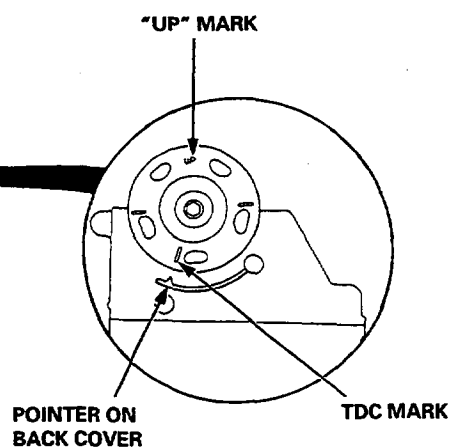
① Timing belt drive pulley (crankshaft) → ② Adjusting pulley → ③ Water pump pulley → ④ camshaft pulley.

NOTE: Make sure the timing belt drive pulley and camshaft pulley are at TDC.

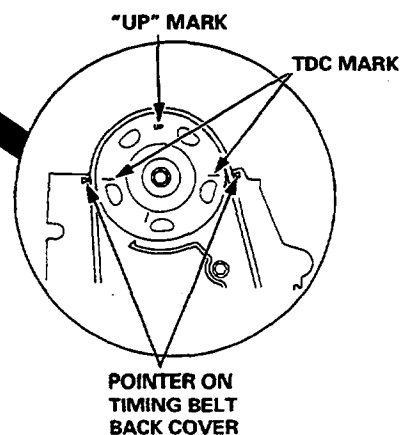
D14A2 engine:



D16Y2, D16Y3 engines:



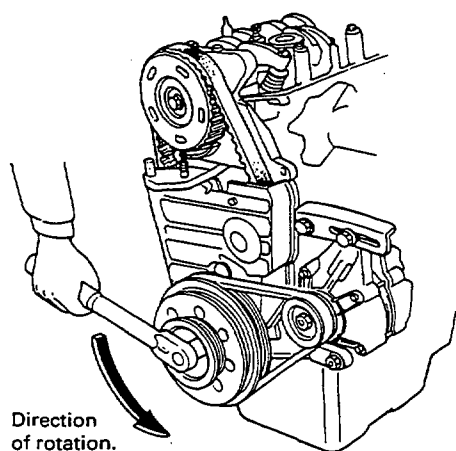
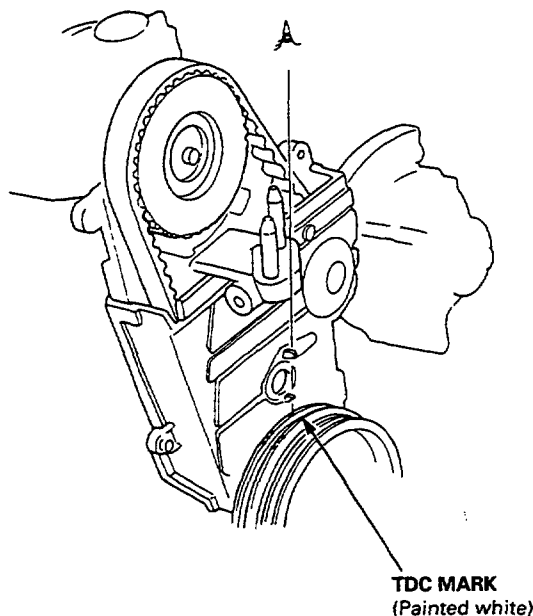
D15Z3 engine:



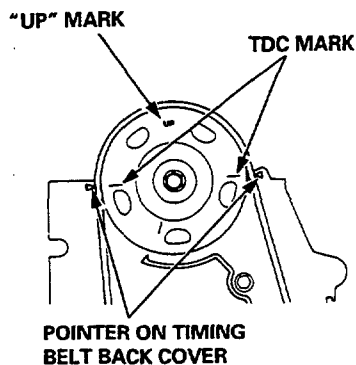


3. Loosen the adjusting bolt, and retighten it after tensioning the belt.
4. Install the timing belt guide plate and lower cover.
5. Install the crankshaft pulley, then tighten the pulley bolt (see page 6-17).
6. Rotate the crankshaft pulley about 5 or 6 turns counterclockwise so that the timing belt positions on the pulleys.
7. Adjust the timing belt tension (see page 6-20).
8. Check the crankshaft pulley and the camshaft pulley at TDC.

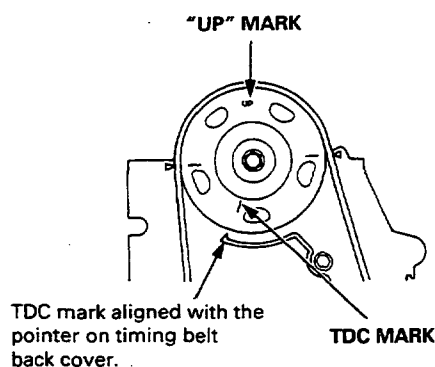
CRANKSHAFT PULLEY:



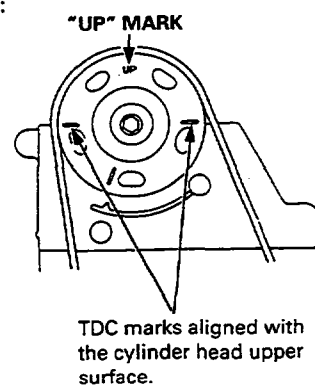
CAMSHAFT PULLEY: D16Y2, D16Y3 engines:



D15Z3 engine:



D14A2 engine:



9. If the camshaft pulley is not positioned at TDC, remove the timing belt and adjust the positioning following the procedure on page 6-24, then reinstall the timing belt.

NOTE: Refer to page 6-21 for timing belt removal.

After installation, adjust the tension of each belt.

- See section 23 for alternator belt tension adjustment.
- See section 22 for A/C compressor belt tension adjustment.
- See section 17 for P/S pump belt tension adjustment.