

Timing Belt and Balancer Belt

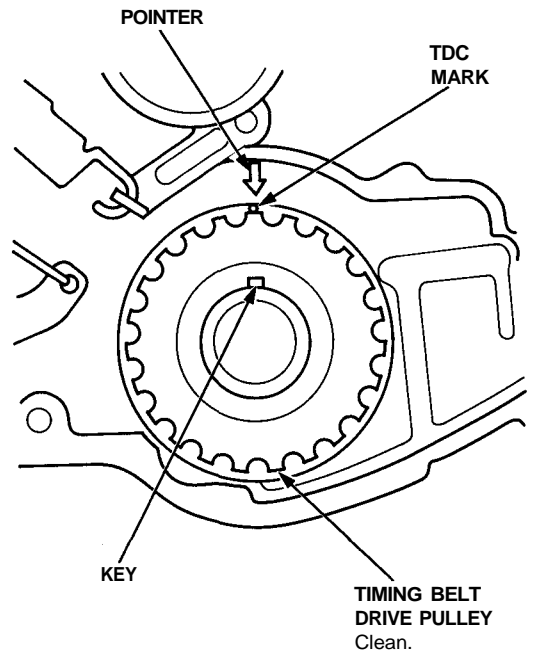
Installation

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

CAUTION: Do not rotate the crankshaft pulley or camshaft pulleys with the timing belt removed. The pistons may hit the valves and cause damage.

NOTE: When installing only the balancer belt, go to step 12.

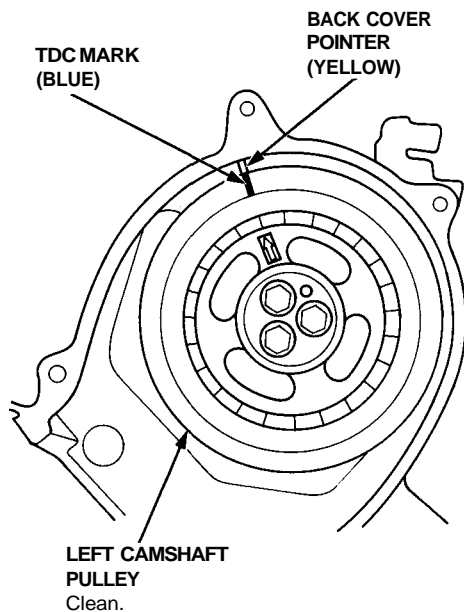
1. Remove the spark plugs.
2. Remove the balancer belt drive pulley and timing belt guide plate (see page 6-4).
3. Set the timing belt drive pulley so that the No. 1 piston is at top dead center (TDC). Align the TDC mark on the timing belt drive pulley with the pointer on the oil pump.



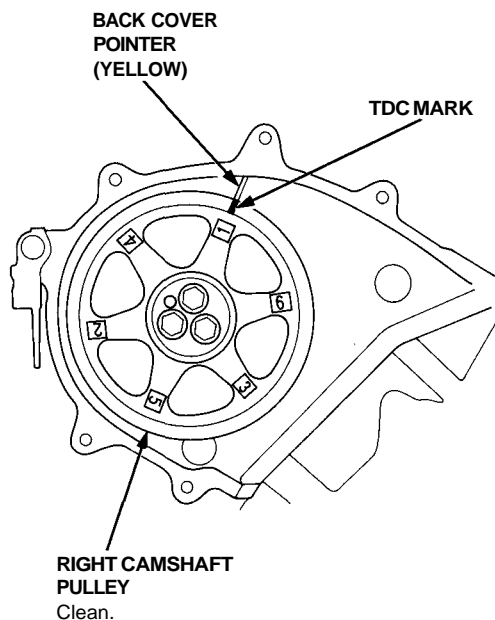


4. Set the camshaft pulleys so that the No. 1 piston is at TDC. Align the TDC marks on the camshaft pulleys to the pointers on the back covers.

LEFT:



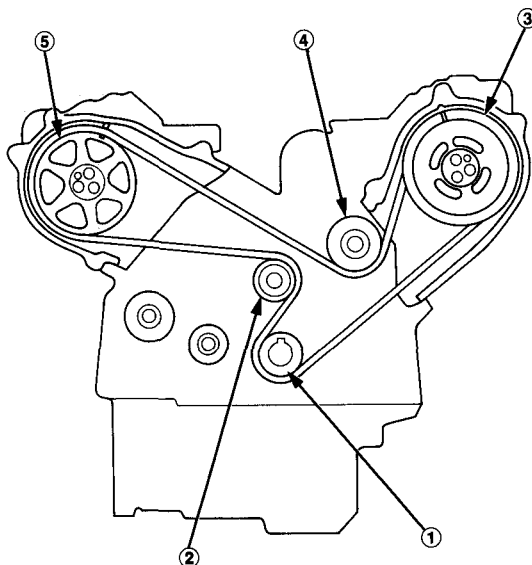
RIGHT:



5. Install the timing belt in the sequence shown.
① Timing belt drive pulley (crankshaft) → ② Adjusting pulley → ③ Left camshaft pulley → ④ Water pump pulley → ⑤ Right camshaft pulley.

NOTE:

- For easier installation, turn the right camshaft pulley clockwise about a half tooth from the TDC position.
- Make sure the timing belt drive pulley and camshaft pulleys are at TDC.



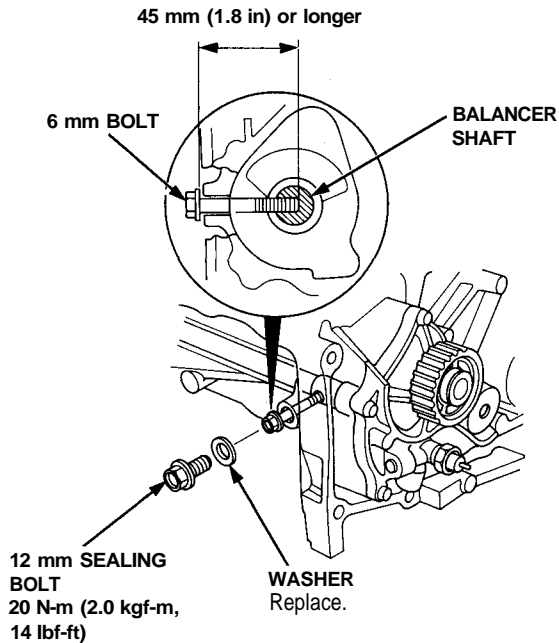
6. Loosen and retighten the timing belt adjusting bolt to tension the timing belt.
7. Install the lower cover and crankshaft pulley (see page 6-3).
8. Rotate the crankshaft pulley about 5 or 6 turns clockwise so the timing belt positions on the pulleys.
9. Adjust the timing belt tension (see page 6-5).
10. Remove the crankshaft pulley and lower cover.
11. Install the timing belt guide plate and balancer belt drive pulley (see page 6-3).

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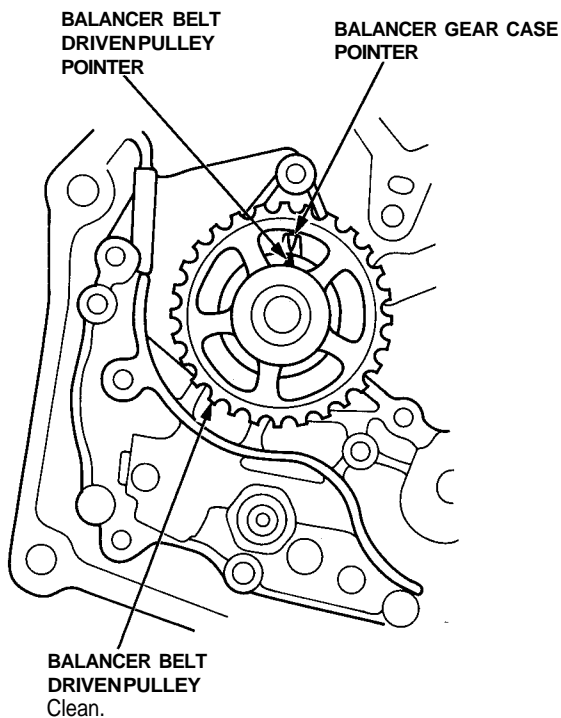
Timing Belt and Balancer Belt

Installation (cont'd)

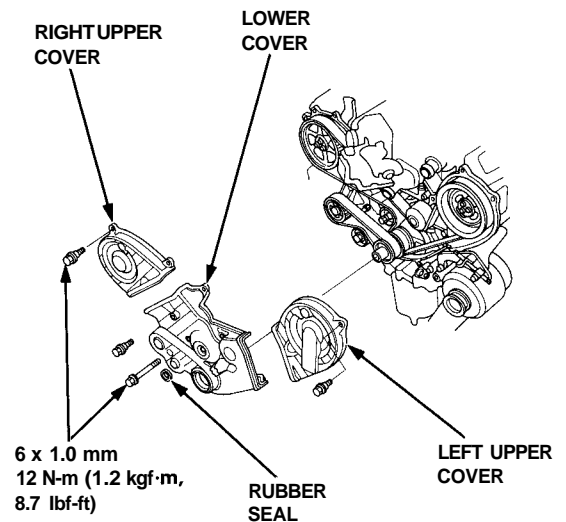
12. Align the maintenance hole and the balancer shaft hole. Insert a 6 mm bolt that is at least 45 mm (1.8 in) long into the balancer shaft.



13. Check alignment of the pointers.



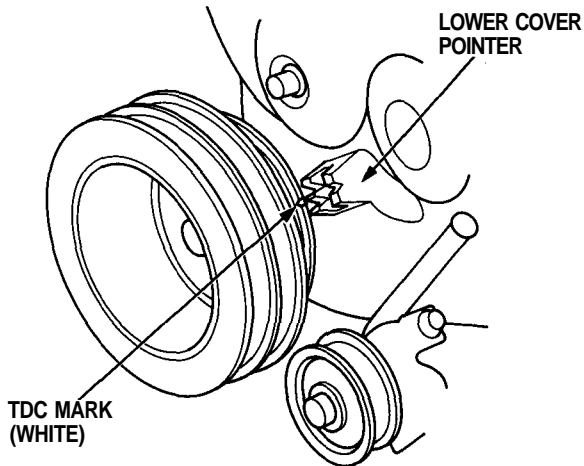
14. Set the timing belt drive pulley so that the No. 1 piston is at TDC (see page 6-10).
15. Install the balancer belt drive pulley, then install the balancer belt.
16. Loosen and retighten the balancer belt adjusting bolt to tension the balancer belt.
17. Remove the 6 mm bolt. Install the sealing bolt in the maintenance hole. Use a new washer.
18. Install the crankshaft pulley, then rotate the crankshaft pulley about 5 or 6 turns clockwise so that the balancer belt positions on the pulleys.
19. Adjust the balancer belt tension (see page 6-7).
20. Remove the crankshaft pulley.
21. Install the upper and lower covers, then install the crankshaft pulley.



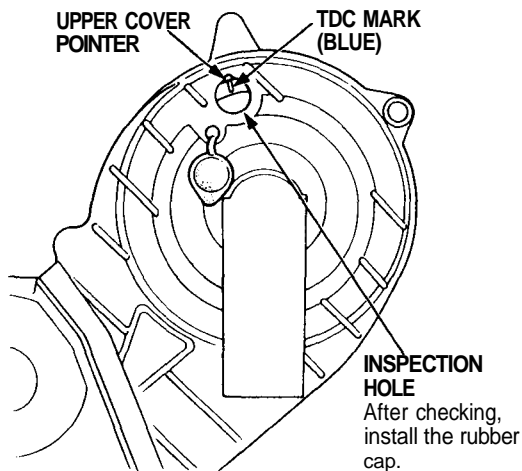


22. Check that the crankshaft pulley and camshaft pulleys are at TDC.

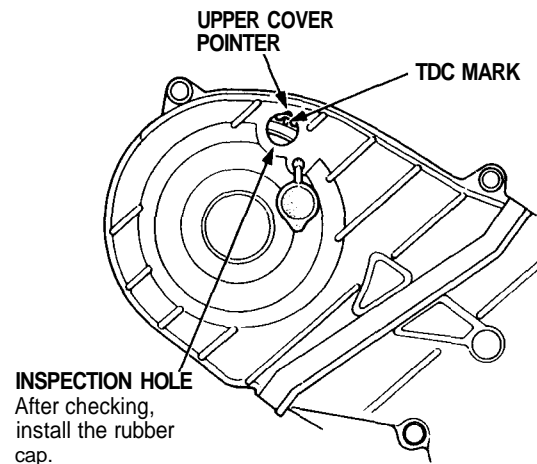
CRANKSHAFT PULLEY:



LEFT CAMSHAFT PULLEY:



RIGHT CAMSHAFT PULLEY:



23. If the camshaft and crankshaft pulleys are not positioned at TDC, remove the timing belt and adjust the positioning following the procedure on page 6-10, then reinstall the timing belt.
24. After installation, adjust the tension of each belt.
- See [section 4](#) 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.