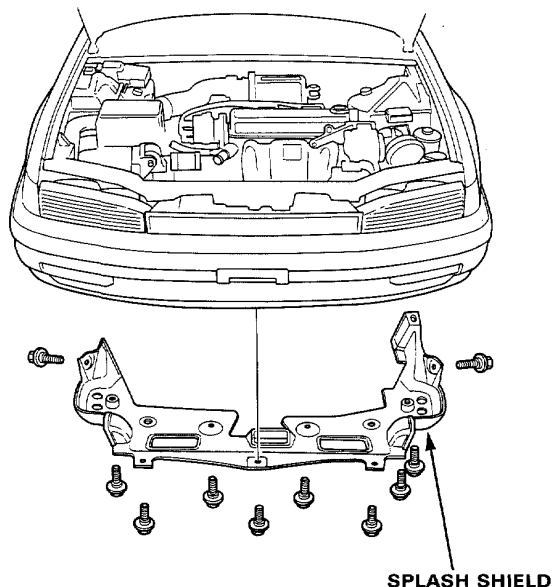


Timing Belt and Timing Balancer Belt

Replacement

NOTE:

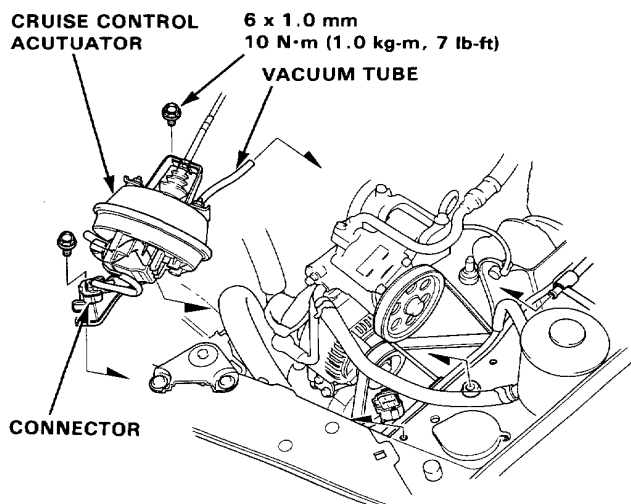
- Turn the crankshaft so that the No. 1 cylinder is at TDC.
- Inspect the water pump after removing the timing belt.



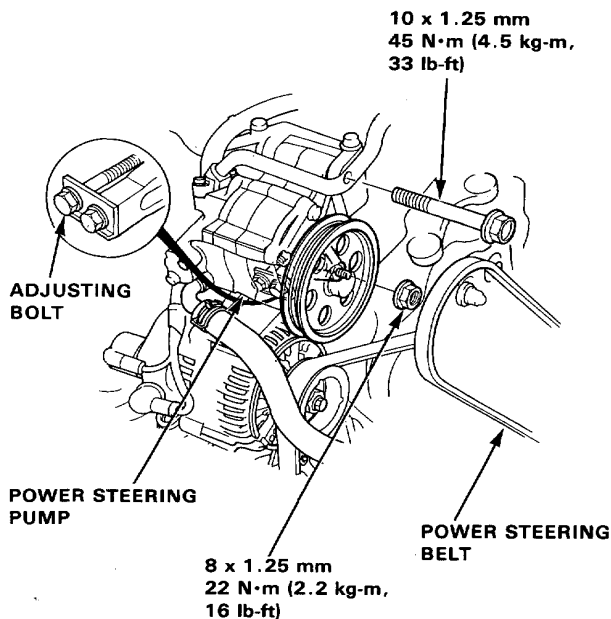
2. Disconnect the connector, then remove the cruise control actuator.

NOTE:

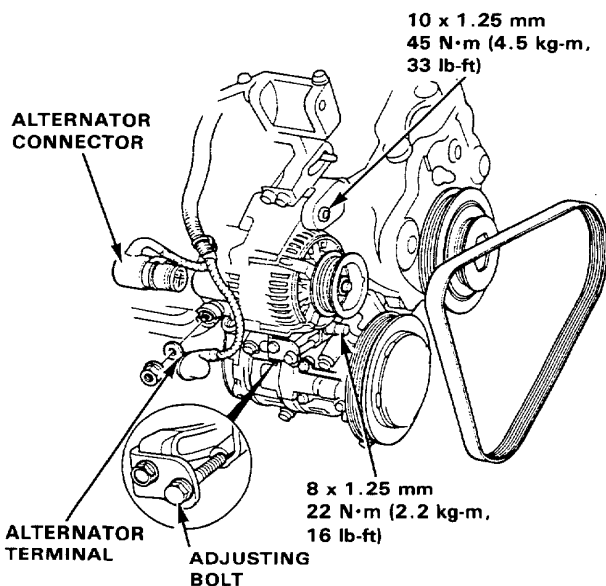
- Do not disconnect the control cable.
- Take care not to bend the cable when removing the actuator. Always replace a kinked cable with a new one.



3. Remove the mounting bolt, nut and V-belt from the power steering pump, then without disconnecting the hoses, pull the pump away from the mounting bracket.



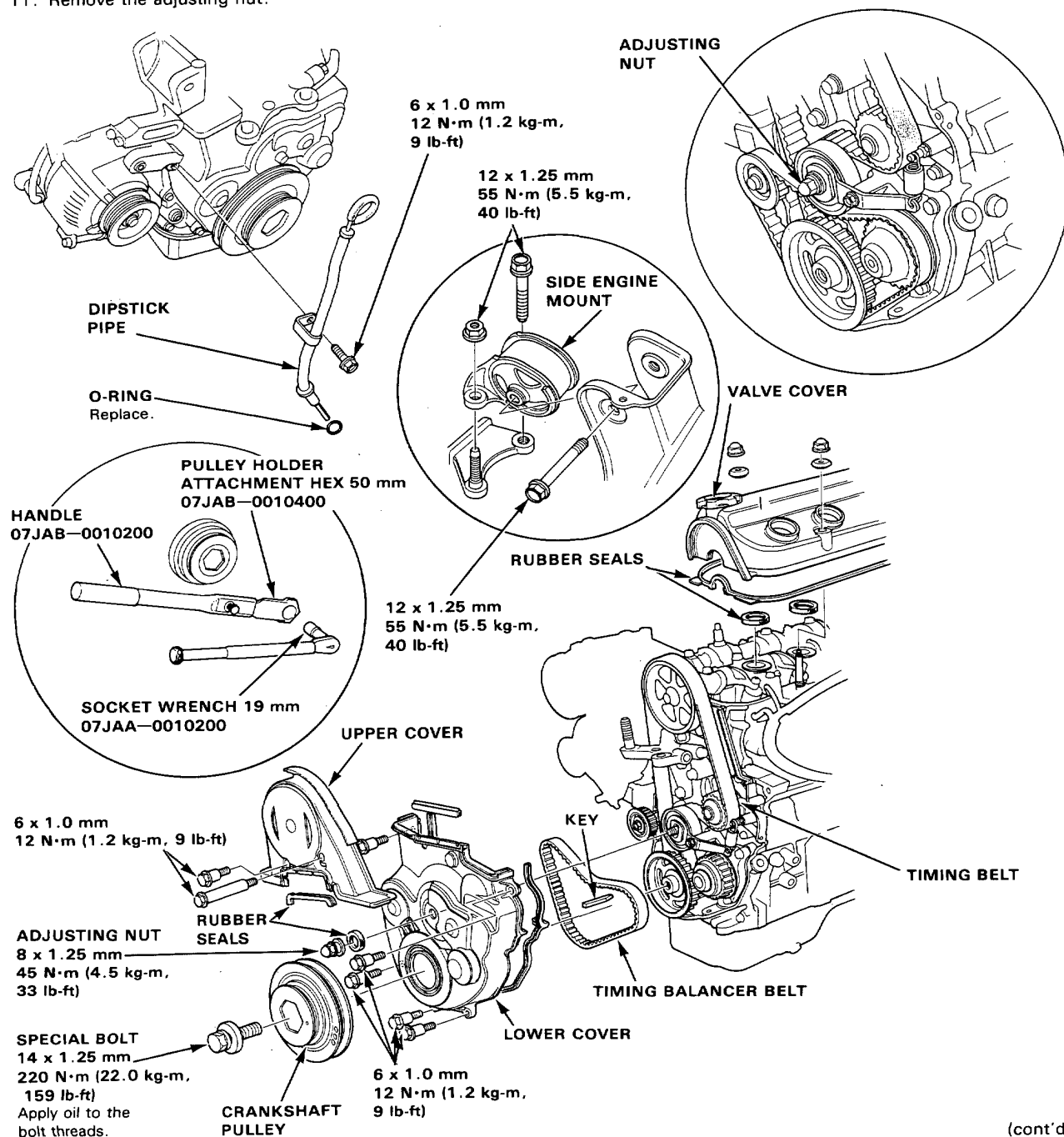
4. Disconnect the alternator terminal and the connector, then remove the engine wire harness from the valve cover.
5. Loosen the alternator mounting bolts and the adjusting nut, then remove the alternator belt.





6. Remove the valve cover.
7. Remove the side engine mount bracket stay B (Standard for some types).
8. Remove the upper cover.
9. Remove the side engine mount.
10. Remove the dipstick and the pipe.
11. Remove the adjusting nut.

12. Remove the special bolt and the crankshaft pulley.
13. Remove the lower cover.
14. Push the timing balancer belt tensioner and the timing belt tensioner to remove tension of the belts, then tighten the adjusting nut.
15. Remove the timing balancer belt and the timing belt.



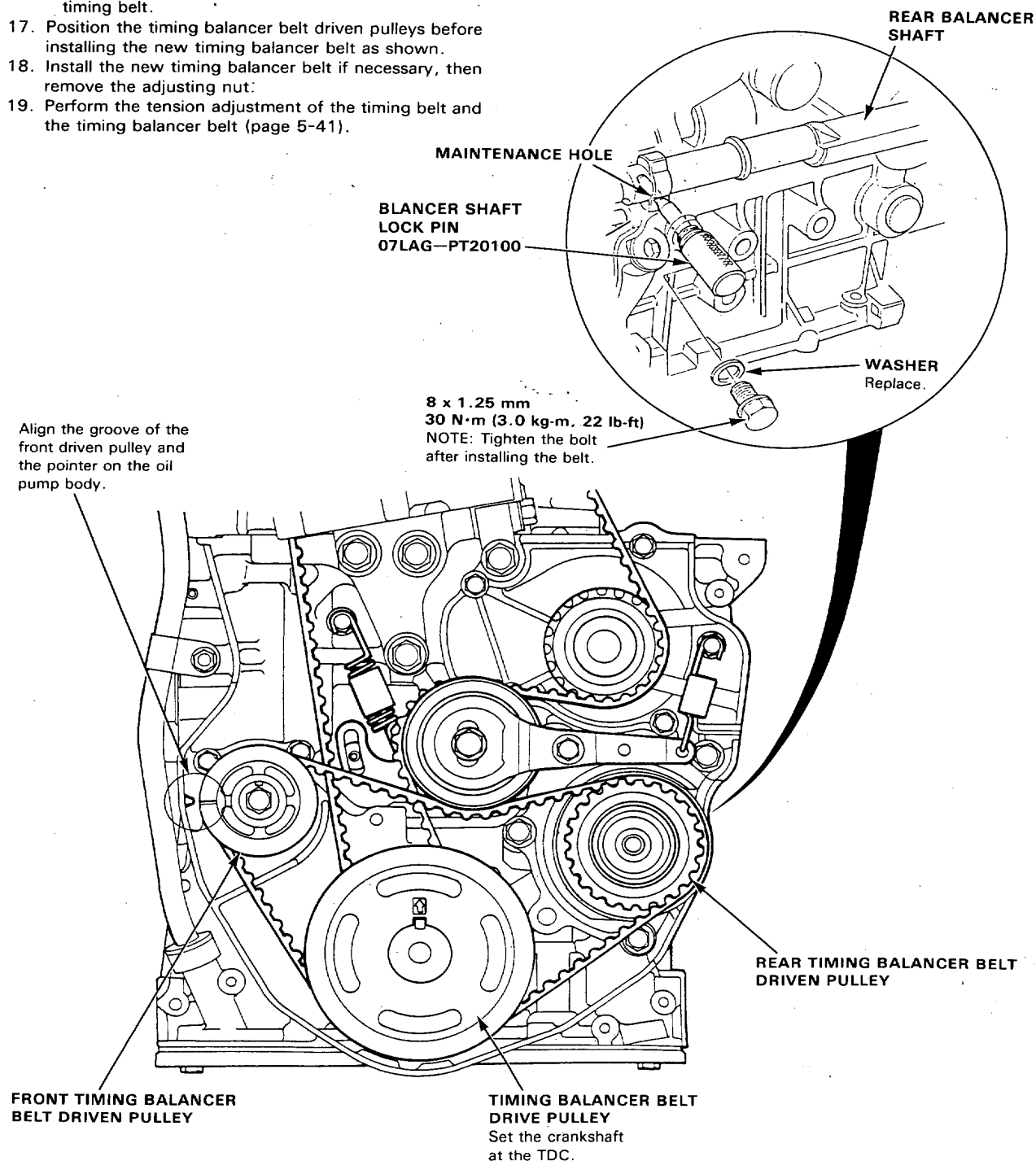
(cont'd)

Timing Belt and Timing Balancer Belt

Replacement (cont'd)

16. Install the timing belt in the reverse order of removal; adjust the valve clearances (page 5-14).
—Refer to page 5-41 for positioning the crankshaft and the camshaft pulley before installing the new timing belt.
17. Position the timing balancer belt driven pulleys before installing the new timing balancer belt as shown.
18. Install the new timing balancer belt if necessary, then remove the adjusting nut.
19. Perform the tension adjustment of the timing belt and the timing balancer belt (page 5-41).

NOTE: Align the bolt hole and the balancer shaft hole, then insert the special tool to fix the rear balancer shaft.



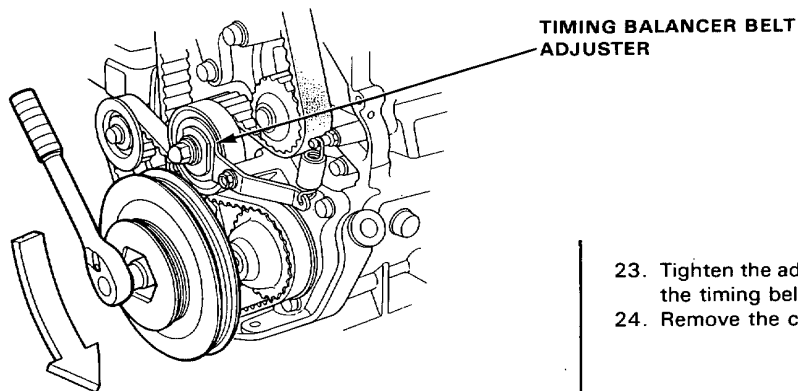
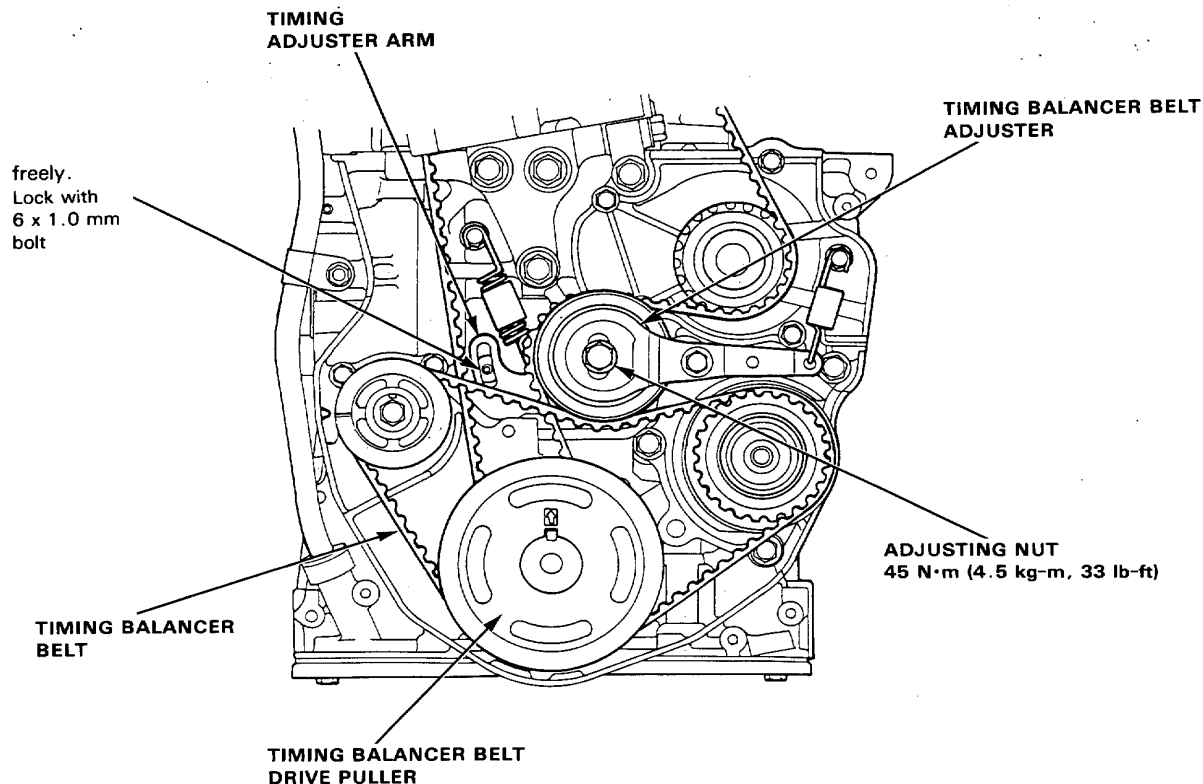
20. After adjusting the belt tension, lock the timing belt adjuster arm with the 6 x 10 mm bolt used to tighten timing belt lower cover.

21. Loosen the adjusting nut and check that the timing balancer belt adjuster moves freely.

22. Turn the crankshaft pulley about one turn; tighten the adjusting nut (adjustment is completed).

NOTE: Do not apply tension on the tensioner when tightening the adjusting nut as the tensioner is spring loaded.

CAUTION: Do not apply excessive tension to the timing balancer belt. It is designed to operate with smaller tension than those of other belts.



23. Tighten the adjusting nut and the 6 x 1.0 mm bolt from the timing belt adjuster arm.

24. Remove the crankshaft pulley.

(cont'd)