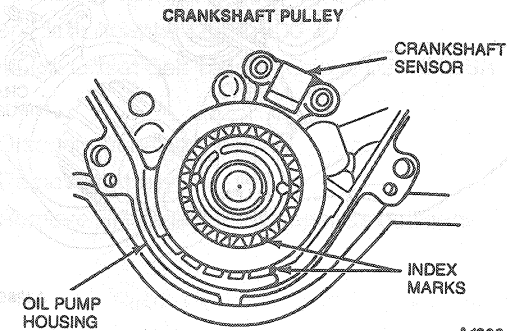
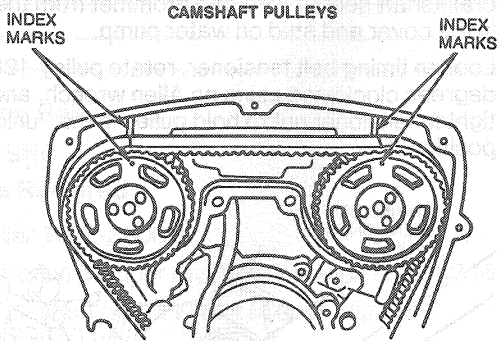


REMOVAL AND INSTALLATION (Continued)

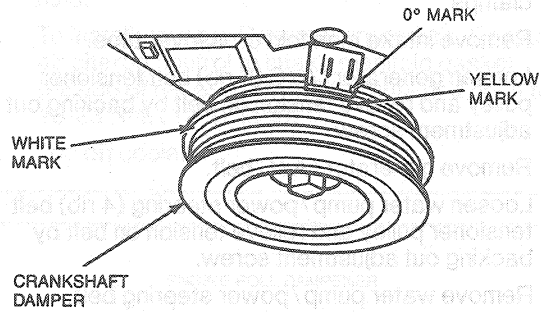
1. Ensure engine is at TDC on No. 1 cylinder. Check that camshaft pulley marks line up with index marks on upper steel belt cover and that crankshaft pulley aligns with index mark on oil pump housing.



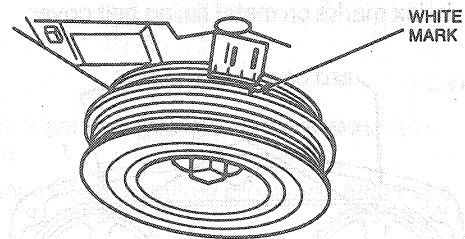
NOTE: The timing belt has three yellow lines. Each line aligns with the index marks shown.

2. Install timing belt on crankshaft pulley and route to camshaft pulleys. Lettering on belt "KOA" should be readable from rear of engine (top of lettering to front of engine). Also ensure that the yellow lines are aligned with the index marks on the pulleys.
3. Release tensioner locknut and leave nut loose.
4. Raise vehicle on hoist. Refer to Section 00-02.
5. Install center timing belt cover. Ensure crankshaft sensor wiring and grommet are installed and routed properly. Tighten retaining bolts to 7-11 N·m (62-97 lb-in).
6. Install lower timing belt cover. Tighten retaining bolts to 7-11 N·m (62-97 lb-in).
7. Install crankshaft damper using Crankshaft Seal Installer / Cover Aligner T88T-6701-A with forcing screw from Vibration Damper and Seal Installer T82L-6316-A or equivalent.
8. Rotate crankshaft two revolutions in the clockwise direction until the yellow mark on damper aligns with 0 degree mark on lower timing belt cover.

REMOVAL AND INSTALLATION (Continued)



9. Remove plastic door in the lower timing belt cover. Tighten belt tensioner lock nut to 33-51 N·m (24-38 lb-ft) and install plastic door.
10. Rotate crankshaft 60 degrees more in the clockwise direction until the white mark on the damper aligns with 0 degree index mark on lower timing belt cover.



11. Lower vehicle.
12. Ensure index marks on camshaft pulleys align with marks on rear metal timing belt cover.
13. Route crankshaft sensor wiring and connect with engine wiring harness.
14. Install upper timing belt cover. Tighten retaining bolts to 7-11 N·m (62-97 lb-in).
15. Install water pump pulley. Tighten retaining nut to 16-23 N·m (12-17 lb-ft).
16. Install generator / A/C tensioner pulley and bracket assembly. Tighten bolts to 15-23 N·m (11-17 lb-ft).
17. Install water pump / power steering (4 rib) belt. Using Rotunda Offset Belt Tension Gauge 021-0028A or equivalent, set tension. Tighten idler pulley retaining nut to 34-50 N·m (25-36 lb-ft).

- New belt: 690-880 N (154-198 lb)
- Used belt: 500-700 N (112-157 lb)