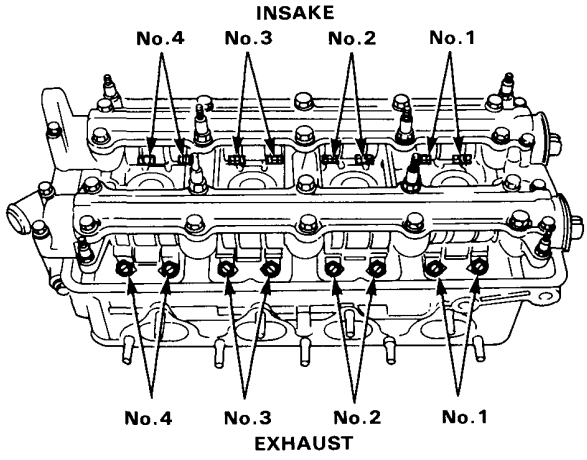
Valve Clearance Adjustment

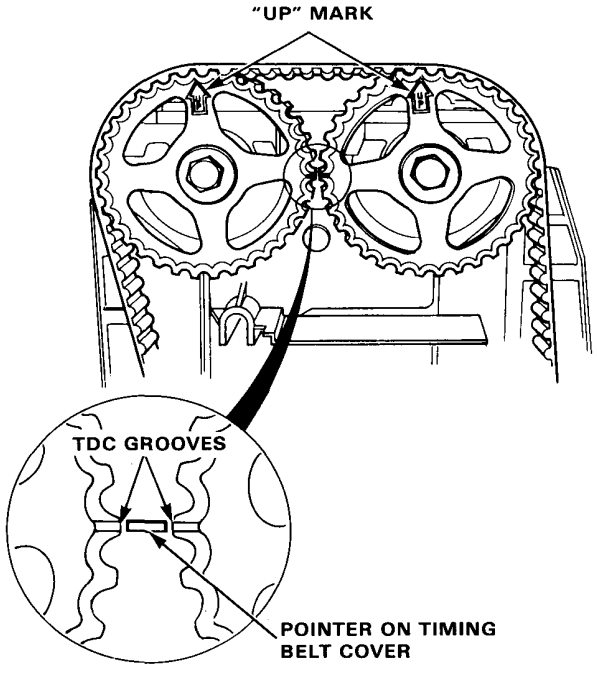
NOTE:
- Valves should be adjusted when the cylinder head temperature is less than 38 °C (100 °F).
  Adjustment is the same for both intake and exhaust valves.
- If the pulley bolt loosens while turning the crank, retorque it to 120 N·m (12.0 kg-m, 87 lb-ft).

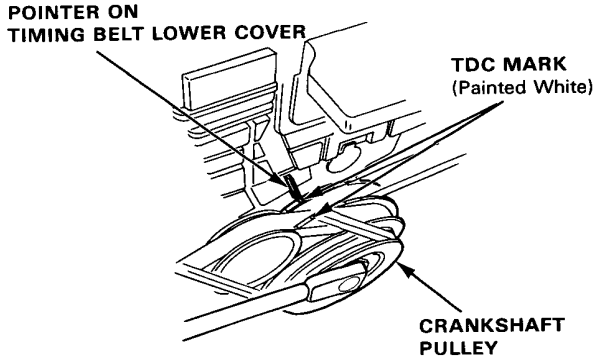
1. Remove valve cover.



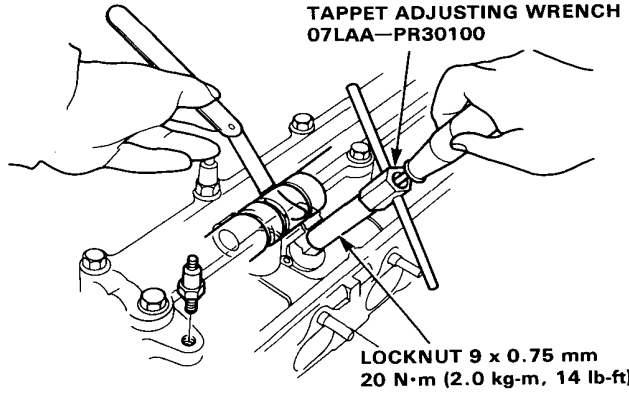
2. Set the No.1 piston at TDC. "UP" mark on the pulley should be at the top, and the TDC grooves on the pulley should align with the pointer on timing belt back cover. TDC grooves (painted white) on the crankshaft pulley should align with pointer on the timing belt lower cover.

Number 1 Piston at TDC





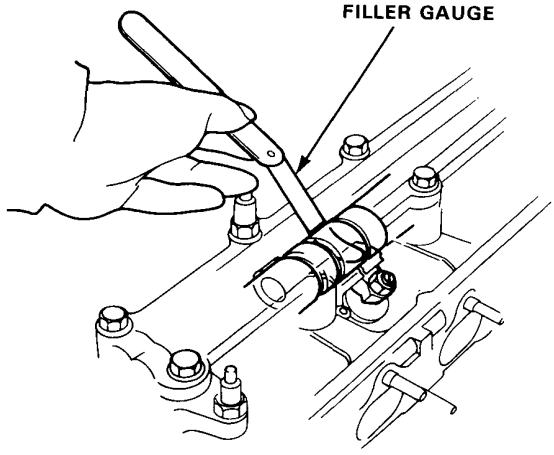
3. Adjust valve clearance on No.1 cylinder.
   Intake: 0.15—0.19 mm (0.006—0.007 in.)
   Exhaust: 0.17—0.21 mm (0.007—0.008 in.)
4. Loosen the locknut and turn the adjusting screw until feeler gauge slides back and forth with a slight amount of drag.



(cont'd)

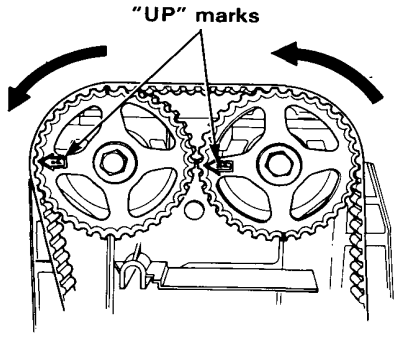
Valve Clearance Adjustment (cont'd)

5. Tighten the locknut and recheck clearance again. Repeat adjustment if necessary.



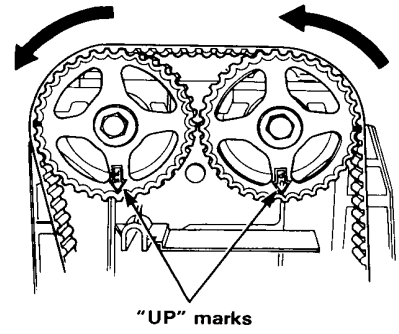
6. Rotate the crankshaft 180° counterclockwise (campulley turns 90°). The "UP" mark should be on the exhaust side. Adjust valve on No.3 cylinder.

Number 3 piston at TDC



7. Rotate the crankshaft 180° counterclockwise to bring No.4 piston to TDC. Both TDC grooves are once again visible. Adjust valves on No.4 cylinder.

Number. 4 piston at TDC



8. Rotate the crankshaft 180° counterclockwise to bring No.2 piston TDC. The "UP" mark should be on the intake side. Adjust valves on No.2 cylinder.

Number 2 piston at TDC.