
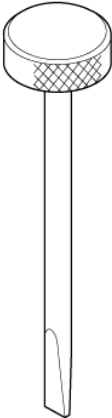


Valve Clearance Adjustment

Special Tool Required

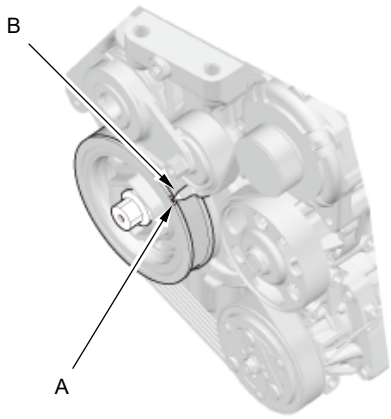
Image	Description/Tool Number
 A technical drawing of a locknut wrench. It consists of a long, thin cylindrical shaft with a hexagonal head at the top. The hexagonal head has a central hole and a narrow groove around its circumference.	Locknut Wrench 07MAA-PR70120
 A technical drawing of an adjuster. It features a long, thin shaft with a flat, circular top. The top surface of the circular head is textured with a cross-hatched pattern.	Adjuster 07MAA-PR70110

Adjustment

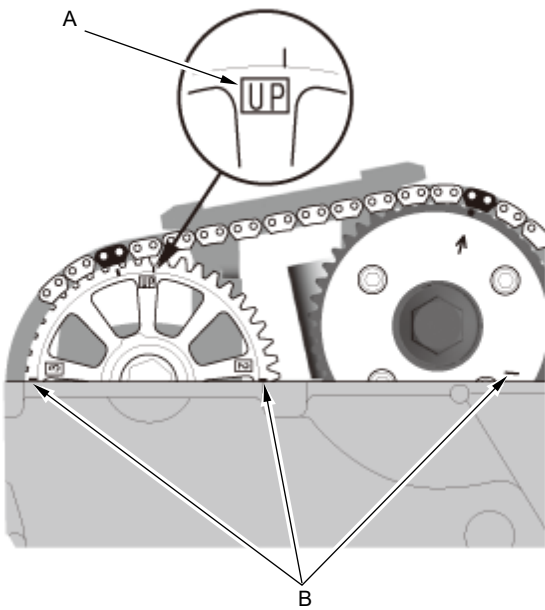
NOTE: Connect the HDS to the DLC, and monitor ECT SENSOR 1. Adjust the valve clearance only when the engine coolant temperature is less than 100 °F (38 °C).

1. Cylinder Head Cover - Remove

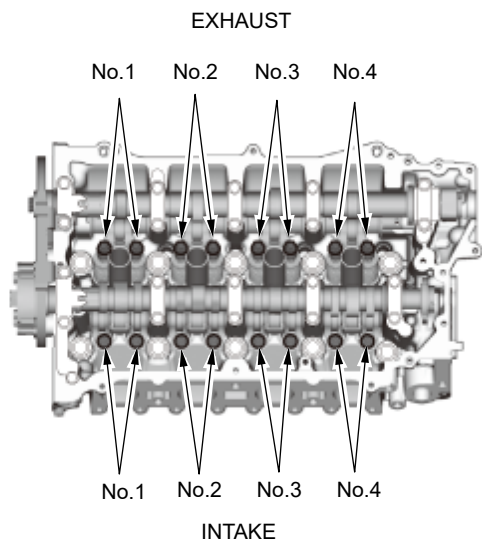
2. Valve Clearance - Adjustment



1. Turn the crankshaft to align No. 1 position at top dead center (TDC); the white mark on the crankshaft pulley (A) lines up with the pointer (B).



2. Check the No. 1 piston at top dead center (TDC). The "UP" mark (A) on the camshaft sprocket should be at the top, and the TDC grooves (B) on the camshaft sprocket should align up with the top edge of the cylinder head.

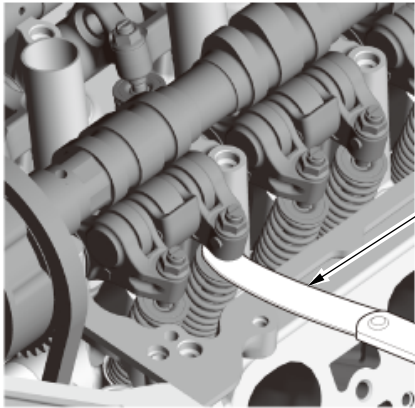


3. Select the correct feeler gauge for the valve clearance you are going to check.

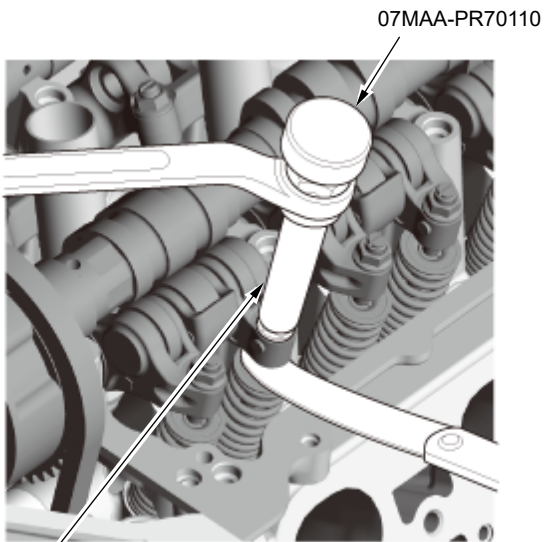
Valve Clearance

Intake: 0.21 – 0.25 mm (0.009 in)

Exhaust: 0.25 – 0.29 mm (0.010 – 0.011 in)



4. Insert the feeler gauge (A) between the tappet adjusting screw and the end of the valve stem on the No. 1 cylinder, and slide it back and forth; you should feel a slight amount of drag.



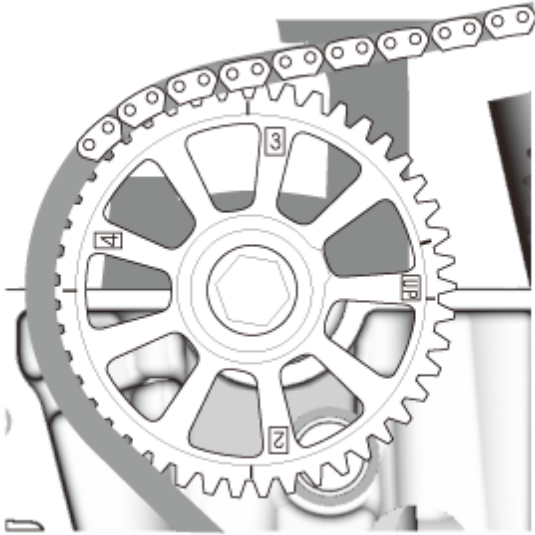
5. If you feel too much or too little drag, loosen the locknut, and turn the tappet adjusting screw until the drag on the feeler gauge is correct.
6. While holding the tappet adjusting screw with the screw driver, tighten the locknut, then recheck the clearance. Repeat the adjustment, if necessary.

Specified Torque

14 N·m (1.4 kgf·m, 10 lbf·ft)

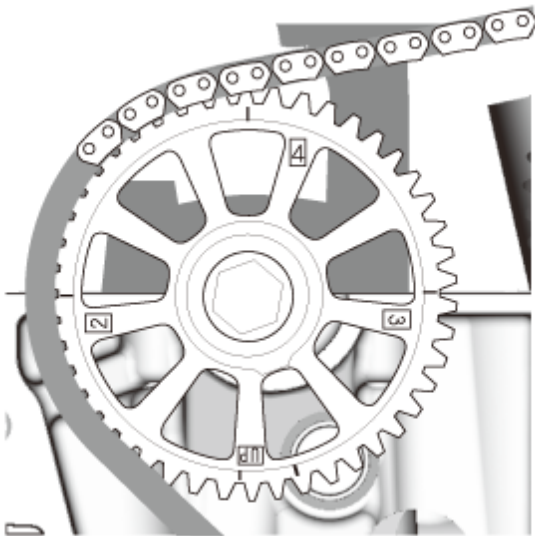
Apply new engine oil to the nut threads.

07MAA-PR70120



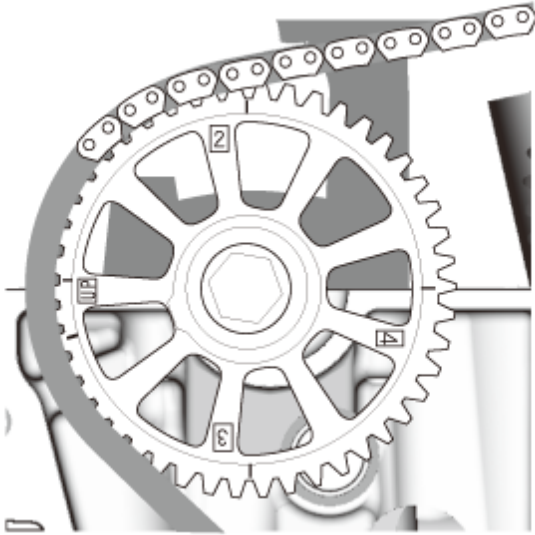
7. Rotate the crankshaft 180 ° clockwise (camshaft pulley turns 90 °).

8. Check, and if necessary, adjust the valve clearance on the No. 3 cylinder.



9. Rotate the crankshaft 180 ° clockwise (camshaft pulley turns 90 °).

10. Check, and if necessary, adjust the valve clearance on the No. 4 cylinder.



11. Rotate the crankshaft 180 ° clockwise (camshaft pulley turns 90 °).

12. Check, and if necessary, adjust the valve clearance on the No. 2 cylinder.

3. All Removed Parts - Install

1. Install the parts in the reverse order of removal.