

# VALVE CLEARANCE

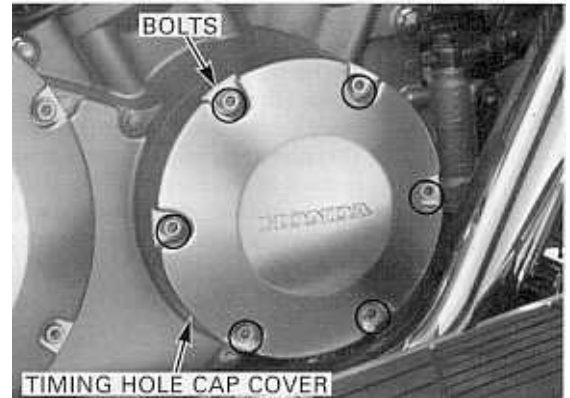
## INSPECTION

**NOTE:**

- Inspect and adjust the valve clearance while the engine is cold (below 35°C, 95°F).

Remove the cylinder head cover shrouds (page 2-2).  
Remove the fuel tank (page 2-3).

Remove the six socket bolts and the timing hole cap cover.



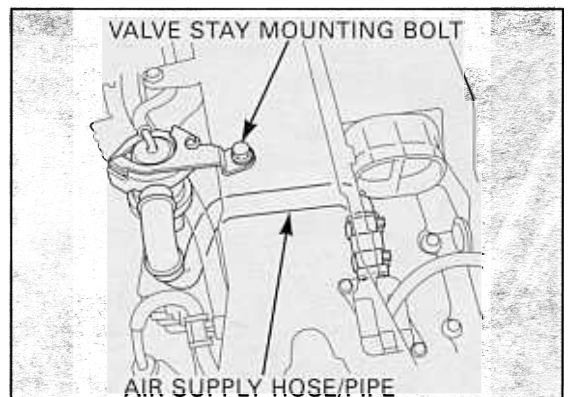
Remove the timing hole cap.



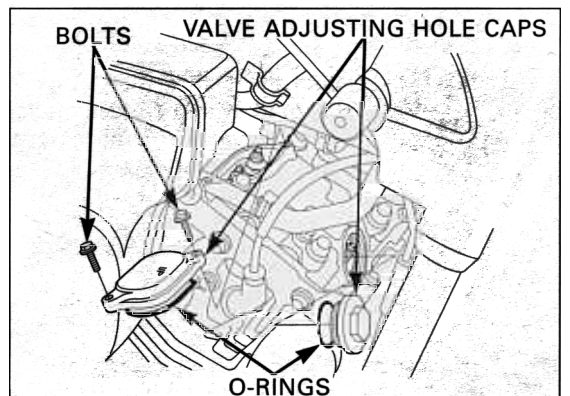
**Rear cylinder only:**

Remove the air supply hose/pipe from the rear cylinder head cover and pulse secondary air injection (PAIR) control valve.

Remove the PAIR control valve stay mounting bolt and move the control valve away from the rear cylinder head.



Remove the bolts and valve adjusting hole caps.  
Remove the O-rings from the caps.

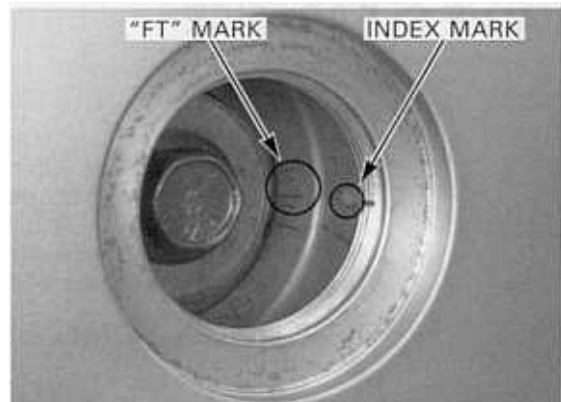


## MAINTENANCE

Rotate the crankshaft clockwise and align the "FT" mark on the primary drive gear with the index mark on the right crankcase cover.

Make sure the front cylinder piston is at TDC (Top Dead Center) on the compression stroke.

This position can be obtained by confirming that there is slack in the rocker arms. If there is no slack, rotate the crankshaft clockwise one full turn and align the "FT" mark with the index mark again.



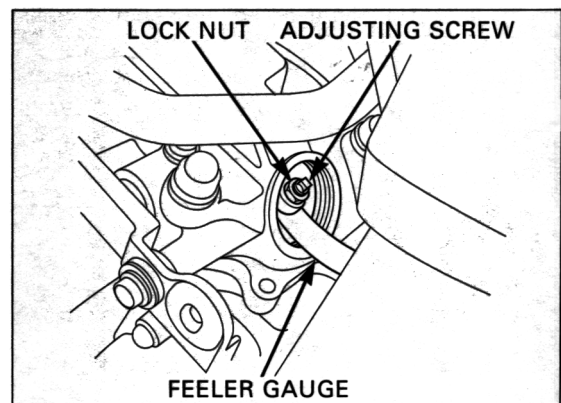
*When checking the clearance, slide the feeler gauge from the center toward the outside.*

Check the valve clearances of the front cylinder by inserting a feeler gauge between the adjusting screw and valve stem.

### VALVE CLEARANCES:

INTAKE:  $0.15 \pm 0.02$  mm ( $0.006 \pm 0.001$  in)

EXHAUST:  $0.30 \pm 0.02$  mm ( $0.012 \pm 0.001$  in)

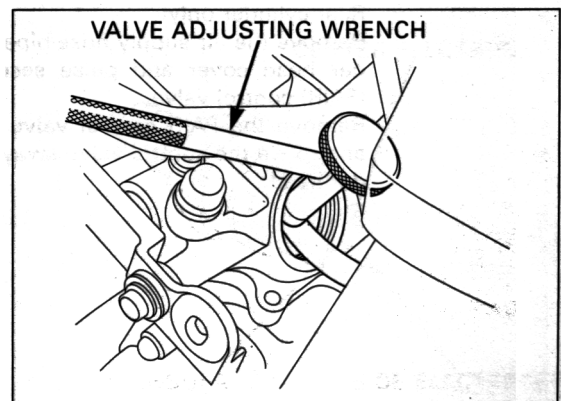


Adjust by loosening the lock nut and turning the adjusting screw until there is a slight drag on the feeler gauge.

### TOOL:

Valve adjusting wrench

070MA-MEA0100 or  
07908-KE90100  
(U.S.A. only) with  
10-mm offset box  
wrench



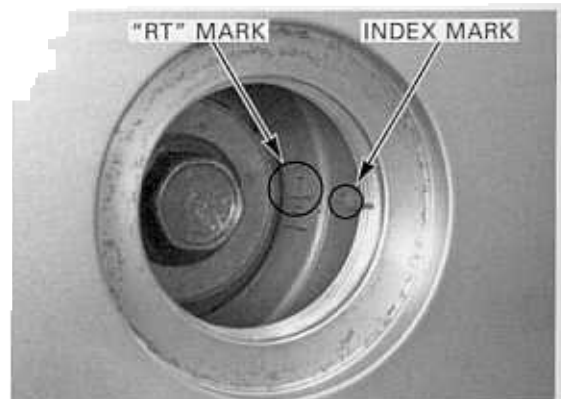
Hold the adjusting screw and tighten the lock nut

**TORQUE: 22 N·m (2.2 kgf·m, 16 lbf·ft)**

After tightening the lock nut, recheck the valve clearance.

Rotate the crankshaft clockwise 308° and align the "RT" mark with the index mark.

Check the valve clearances of the rear cylinder and adjust if necessary.

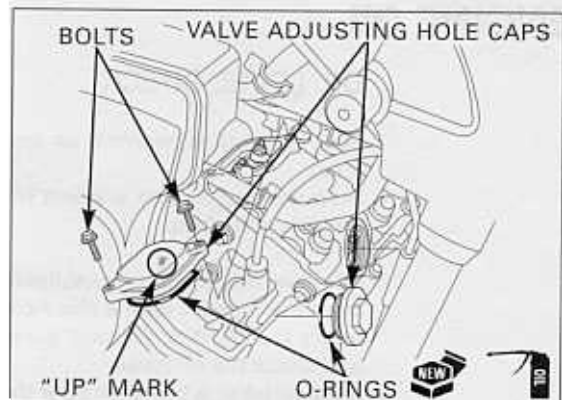


Coat new O-rings with oil and install them into the valve adjusting hole cap grooves.

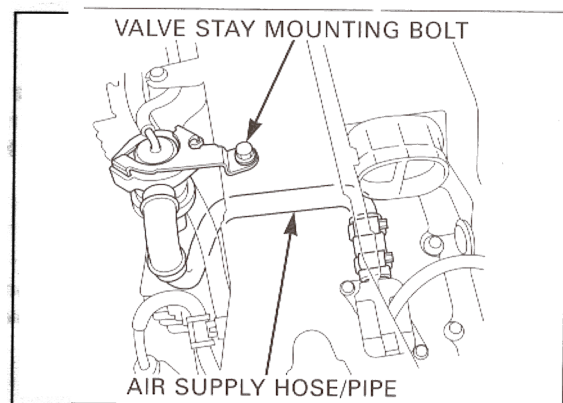
Install the intake valve adjusting hole caps and tighten them.

**TORQUE: 15 N·m (1.5 kgf·m, 11 lbf·ft)**

Install the exhaust valve adjusting hole caps with the "UP" mark facing up and tighten the bolts securely.



Install the PAIR control valve stay onto the frame and tighten the bolt securely.  
Connect the air supply hose to the PAIR control valve and cylinder head cover.



Coat a new O-ring with oil and install it into the timing hole cap groove.  
Install the timing hole cap and tighten it.

**TORQUE: 18 N·m (1.8 kgf·m, 13 lbf·ft)**



Install the timing hole cap cover and tighten the six socket bolts.

**TORQUE: 10 N·m (1.0 kgf·m, 7 lbf·ft)**

Install the fuel tank (page 2-3).

Install the cylinder head cover shrouds (page 2-2).

