VALVE CLEARANCE INSPECTION AND ADJUSTMENT (3B, 14B)

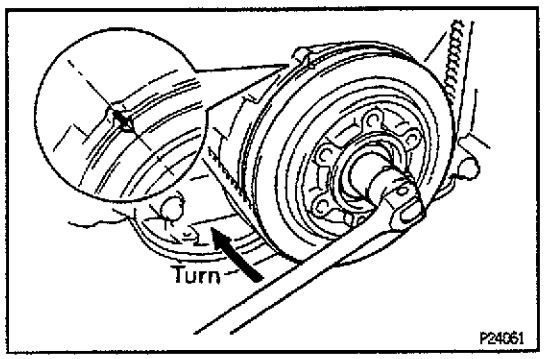
80422-01

1. WARM UP AND STOP ENGINE

Allow the engine to warm up to normal operating temperature.

2. REMOVE CYLINDER HEAD COVER

(See step 13 in cylinder head removal)

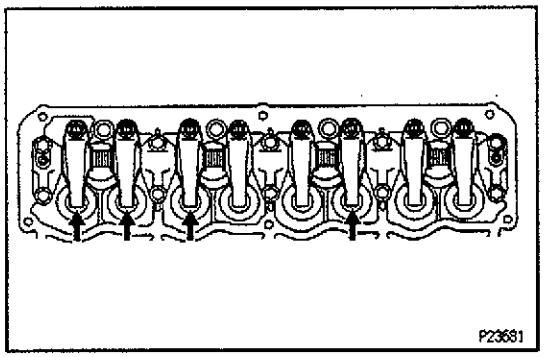


3. SET NO.1 CYLINDER TO TDC/COMPRESSION

(a) Turn the crankshaft pulley clockwise, and align its groove with the groove of the timing gear cover.

(b) Check that the valve rocker arm on the No.1 cylinder are loose and valve rocker arm on the No.4 cylinder are tight.

If not, turn the crankshaft 1 revolution (360°) and align the mark as above.



4. INSPECT VALVE CLEARANCE

(a) Check only the valves indicated in the illustration.

- Using a feeler gauge, measure the clearance between the adjusting screw on the valve rocker arm and the valve bridge.
- Record the out – of – specification valve clearance measurements.

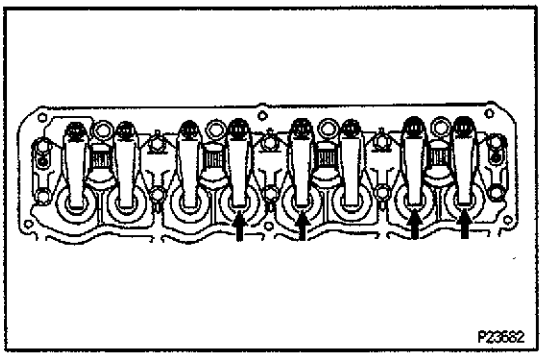
Valve clearance (Hot):

Intake

0.20 mm (0.008 in.)

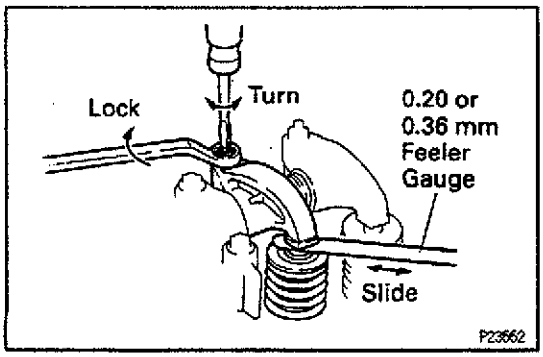
Exhaust

0.36 mm (0.014 in.)



(b) Turn the crankshaft pulley 1 revolution (360°) and align the mark as above. (See procedure step 2)

(c) Check only the valves indicated as shown. Measure the valve clearance. (See procedure in step (a))



5. ADJUST VALVE CLEARANCE

(a) Loosen the lock nut on the valve rocker arm, and loosen the adjusting screw.

(b) Insert a 0.20 mm (0.008 in.) feeler gage for intake or 0.36 mm (0.014 in.) feeler gage for exhaust between the adjusting screw on the valve rocker arm and the valve bridge.