

ENGINE TUNE-UP

INSPECTION OF ENGINE COOLANT

(See steps 1 and 2 on page [CO-5](#))

INSPECTION OF ENGINE OIL

(See steps 1 and 2 on page [LU-4](#))

INSPECTION OF AIR FILTER

(See step 3 on page [MA-5](#))

INSPECTION OF BATTERY

(See steps 1 and 2 on page [CH-3](#))

Standard specific gravity:

1.25 –1.27 when fully charged at 20°C (68°F)

INSPECTION OF HIGH-TENSION CORDS

(See page [IG-6](#))

Maximum resistance: 25 k Ω per cord

INSPECTION OF SPARK PLUGS

(See page [IG-6](#))

Recommended spark plug: ND W16EXR-U11

NGK BPR5EY11

Correct electrode gap: 1.1 mm (0.043 in.)

INSPECTION OF ALTERNATOR DRIVE BELT

(See page [CH-3](#))

Drive belt tension:

New belt 145 $\pm$ 25 lb

Used belt 100 $\pm$ 20 lb

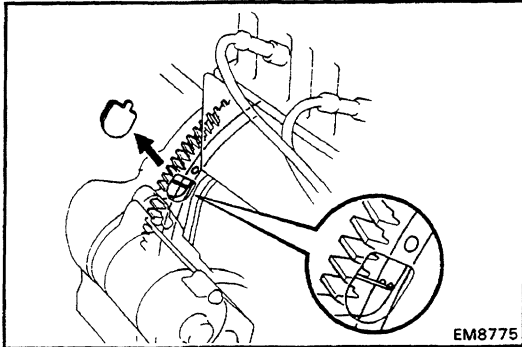
INSPECTION AND ADJUSTMENT OF VALVE CLEARANCE

HINT: Inspect and adjust the valve clearance after engine has reached normal operating temperature.

1. REMOVE AIR CLEANER HOSE

2. REMOVE CYLINDER HEAD COVER

(See step 21 on page [EM-16](#))



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3. SET NO.1 CYLINDER TO TDC/COMPRESSION

- Align the TDC mark of the drive plate with the timing pointer by turning the crankshaft clockwise with a wrench.
- Check that the rocker arms on the No. 1 cylinder are loose and rocker arms on the No. 6 are tight. If not, turn the crankshaft one revolution (360°) and align the mark as above.

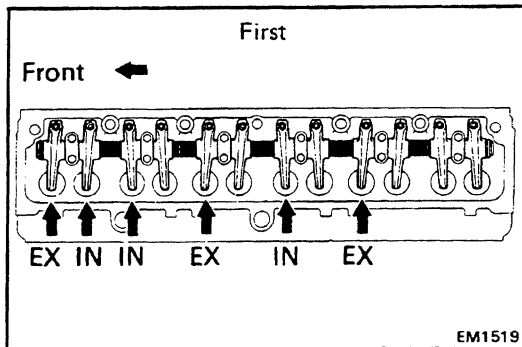
4. INSPECT AND ADJUST VALVE CLEARANCE

- Measure only those valves indicated by arrows.

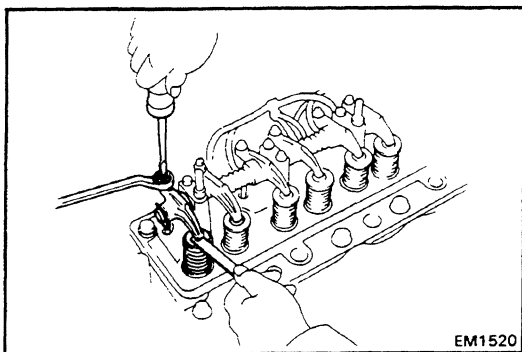
Valve clearance (Hot):

Intake 0.20 mm (0.008 in.)

Exhaust 0.35 mm (0.014 in.)



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- Using a thickness gauge, measure the valve clearance between the valve stem and rocker arm. Loosen the lock nut and turn the adjusting screw to set the proper clearance. Hold the adjusting screw in position and tighten the lock nut.
- Recheck the valve clearance. The thickness gauge should slide with a very slight drag.

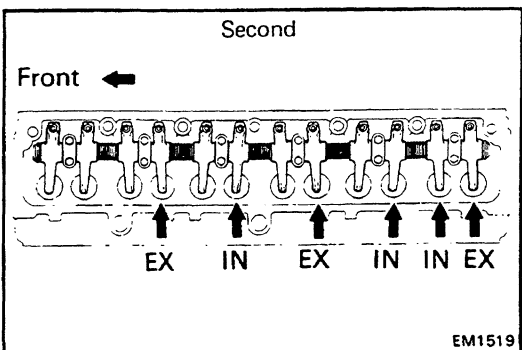
- Turn the crankshaft one revolution (360°) clockwise and align the mark as above step 3 (a).

Adjust only the valves indicated by arrows.

5. INSTALL CYLINDER HEAD COVER

(See step 6 on page [EM-31](#))

6. INSTALL AIR CLEANER HOSE



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