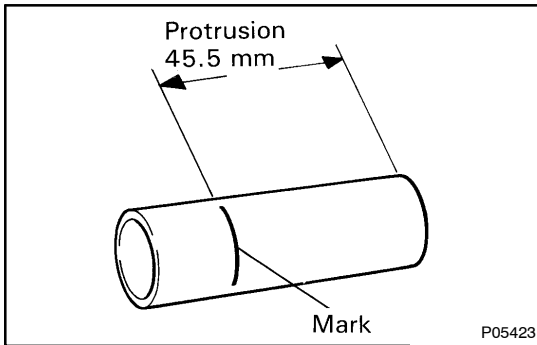


REASSEMBLY

HINT:

- Thoroughly clean all parts to be assembled.
- Before installing the parts, apply new engine oil to all sliding and rotating surfaces.
- Replace all gaskets and oil seals with new ones.



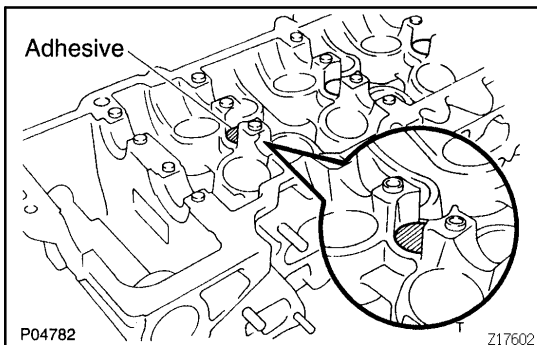
1. INSTALL SPARK PLUG TUBES

HINT:

When using a new cylinder head, spark plug tubes must be installed.

- (a) Mark the standard position away from the edge, onto the spark plug tube.

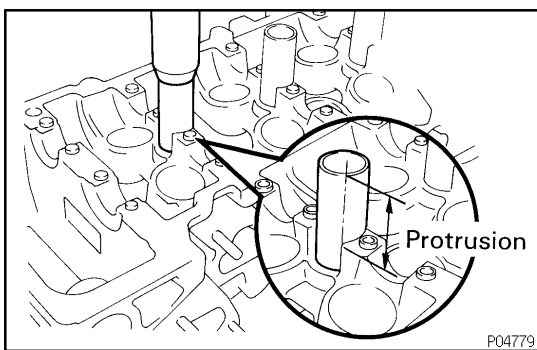
Standard protrusion: 45.5 mm (1.791 in.)



- (b) Apply adhesive to the spark plug tube hole of the cylinder head.

Adhesive:

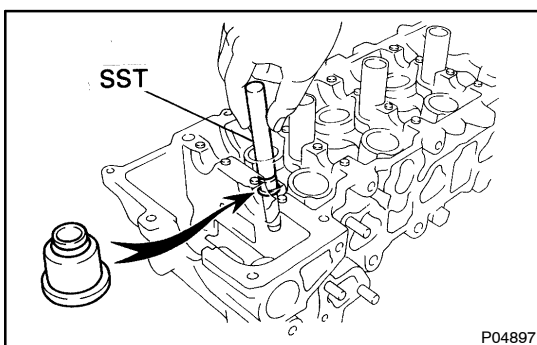
Part No.08833-00070, THREE BOND 1324 or equivalent



- (c) Using a press, press in a new spark plug tube until there is 45.5 mm (1.791 in.) protruding from the camshaft bearing cap installation surface of the cylinder head.

NOTICE:

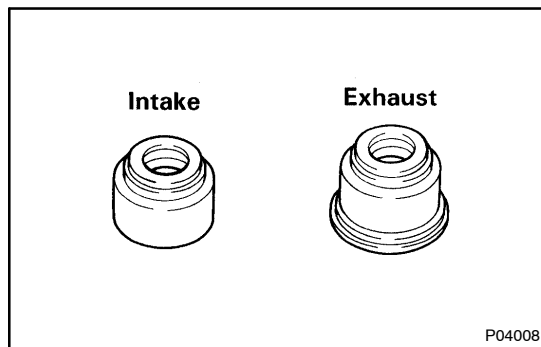
Avoid pressing a new spark plug tube in too far by measuring the amount of protrusion while pressing.



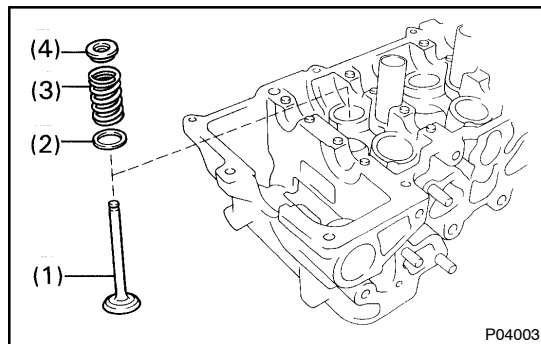
2. INSTALL VALVES

- (a) Using SST, push in a new oil seal.

SST 09236-00101 (09236-15010)

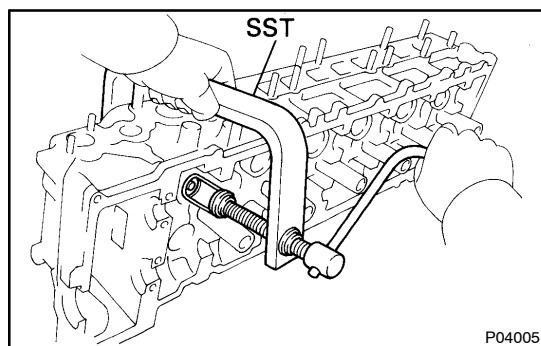
**HINT:**

Different oil seals are used for the intake and exhaust.



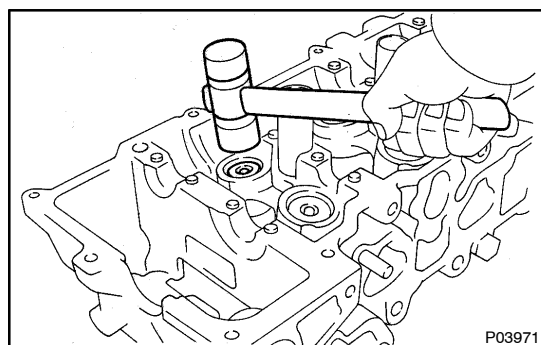
(b) Install these parts:

- (1) Valve
- (2) Spring seat
- (3) Valve spring
- (4) Spring retainer



(c) Using SST, compress the valve spring and place the 2 keepers around the valve stem.

SST 09202-70020 (09202-00010)



(d) Using a plastic-faced hammer, lightly tap the valve stem tip to ensure a proper fit.

3. INSTALL VALVE LIFTERS AND SHIMS

- (a) Install the valve lifter and shim.
- (b) Check that the valve lifter rotates smoothly by hand.

4. INSTALL ECT SENDER GAUGE**5. INSTALL ECT CUT SWITCH****6. INSTALL ECT SENSOR****7. INSTALL TVV****8. INSTALL ACCELERATOR CABLE BRACKET AND THROTTLE CABLE BRACKET****9. INSTALL 2 ENGINE WIRE CLAMP BRACKETS****10. INSTALL NO.1 ENGINE HANGER**

Install the engine hanger with the 2 bolts.

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)

11. INSTALL NO.2 ENGINE HANGER

Install the engine hanger with the 2 bolts.

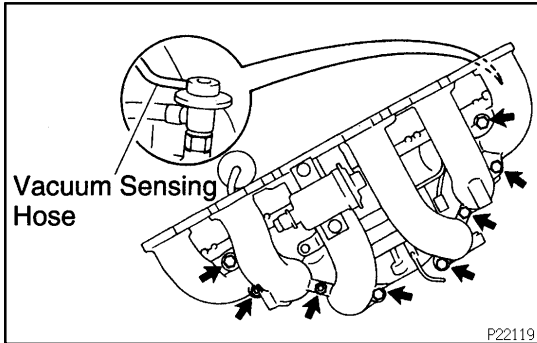
Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)

12. INSTALL NO.1 WATER BYPASS HOSE

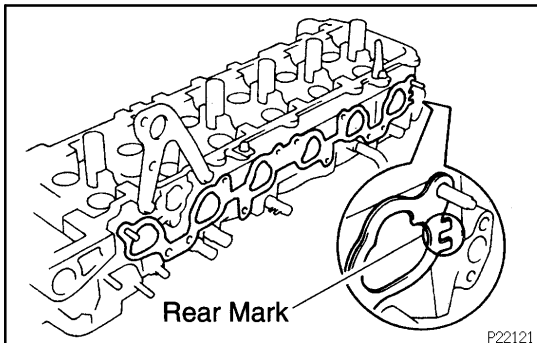
13. INSTALL AIR INTAKE CHAMBER TO INTAKE MANIFOLD

- (a) Install 2 new gaskets and the air intake chamber with the 6 bolts and 2 nuts.

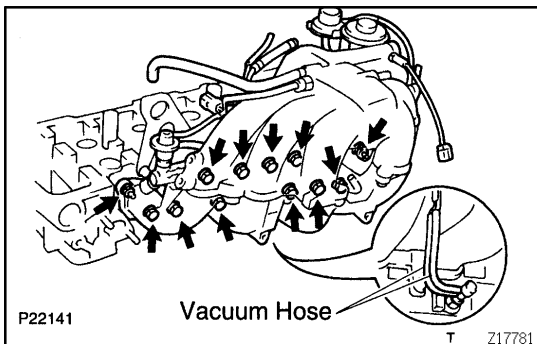
Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)



- (b) Connect the vacuum sensing hose to the fuel pressure regulator.

**14. INSTALL AIR INTAKE CHAMBER AND INTAKE MANIFOLD ASSEMBLY**

- (a) Place a new gasket so that the rear mark is toward the rear side.



- (b) Install the intake manifold with the 10 bolts and 2 nuts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

- (c) Connect the 2 vacuum hoses to the TVV.

15. INSTALL HEATER INLET PIPE AND HOSE

Install the heater hose to the cylinder head, and connect the pipe to the intake manifold with the 2 bolts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

16. INSTALL EGR PIPE

- (a) Temporarily install the union nut to the EGR valve.
 (b) Install a new gasket and the EGR pipe to the cylinder head with the 2 bolts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

- (c) Tighten the union nut.

Torque: 78 N·m (800 kgf·cm, 58 ft·lbf)

17. INSTALL WATER OUTLET

Install a new gasket and the water outlet with the 2 nuts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

18. INSTALL GENERATOR BRACKET

Install the generator bracket with the 2 bolts.

Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)