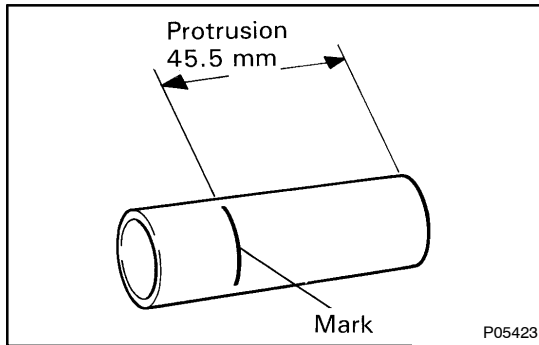


REASSEMBLY

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.



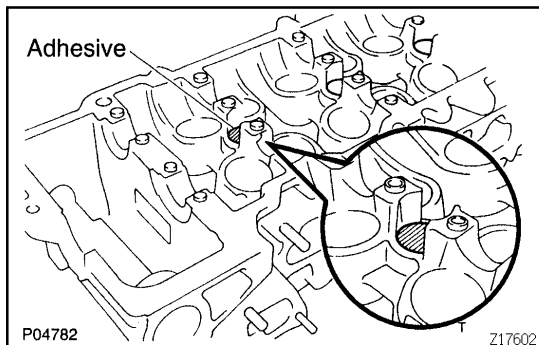
1. INSTALL SPARK PLUG TUBES

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.

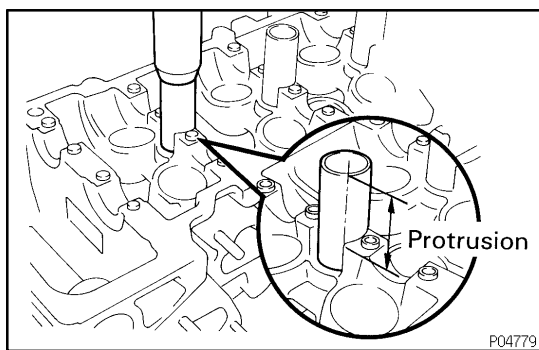
Standard protrusion: 45.5 mm (1.791 in.)



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

Adhesive:

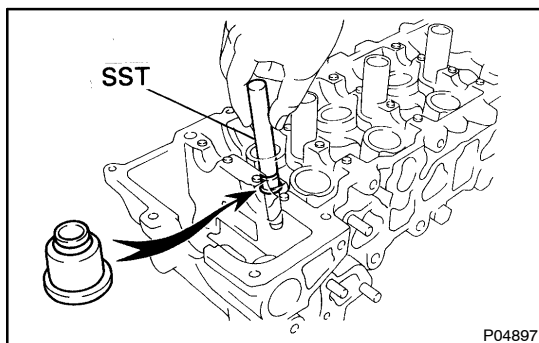
Part No.08833-00070, THREE BOND 1324 or equivalent



- (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:

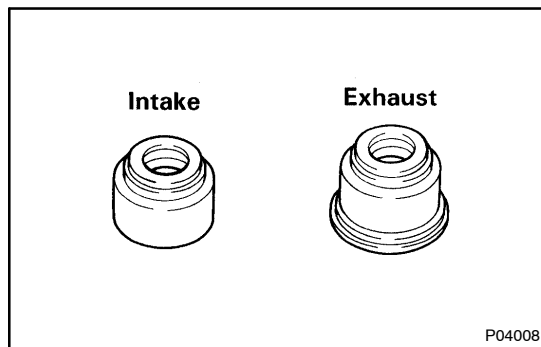
Avoid pressing a new spark plug tube in too far by measuring the amount of protrusion while pressing.



2. INSTALL VALVES

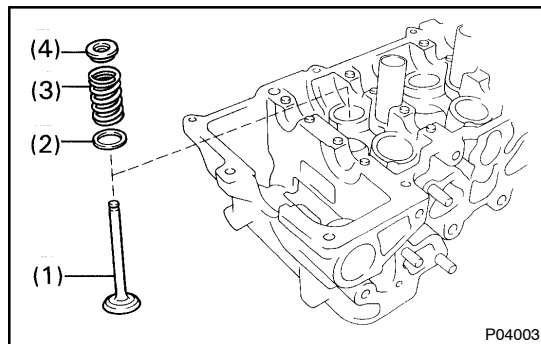
- (a) Using SST, push in a new oil seal.

SST 09236-00101 (09236-15010)



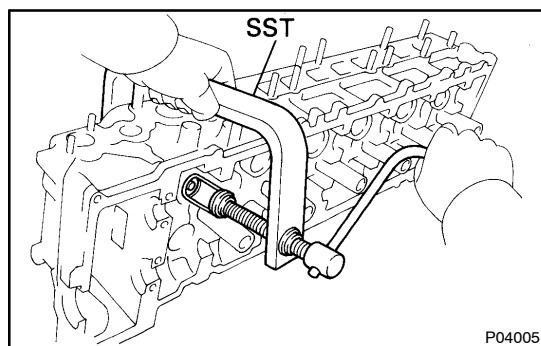
HINT:

Different oil seals are used for the intake and exhaust.



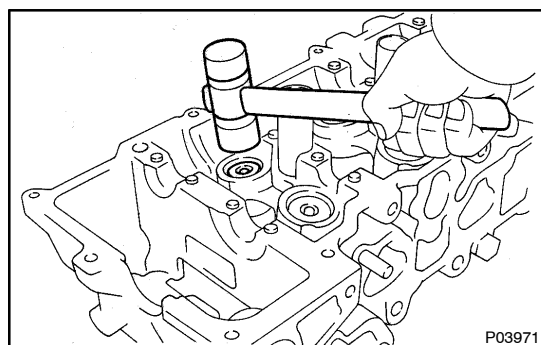
(b) Install these parts:

- (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)

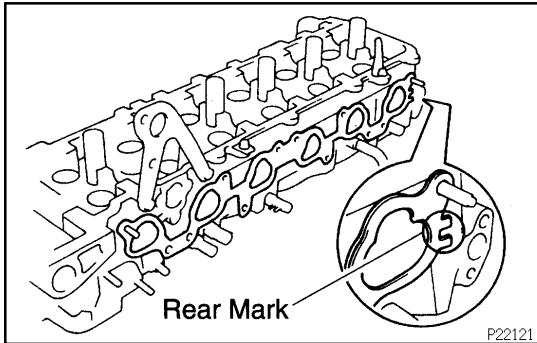
12. INSTALL NO.1 WATER BYPASS HOSE

13. INSTALL AIR INTAKE CHAMBER TO INTAKE MANIFOLD

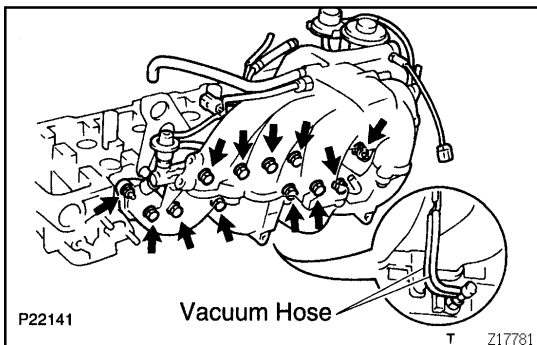
- (a) Install 2 new gaskets and the air intake chamber with the 6 bolts and 2 nuts.

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)