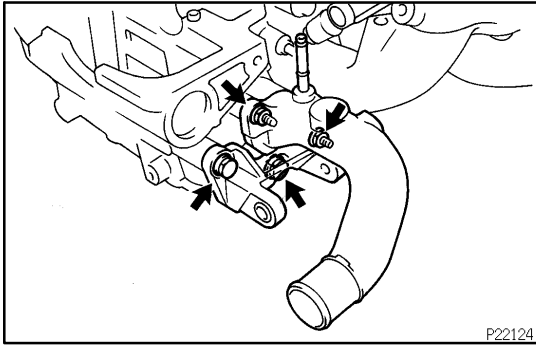




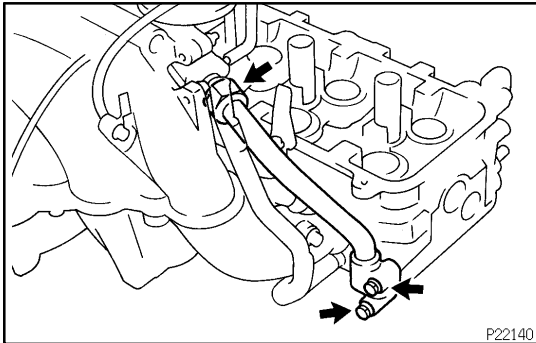
DISASSEMBLY

1. REMOVE GENERATOR BRACKET

Remove the 2 bolts and generator bracket.

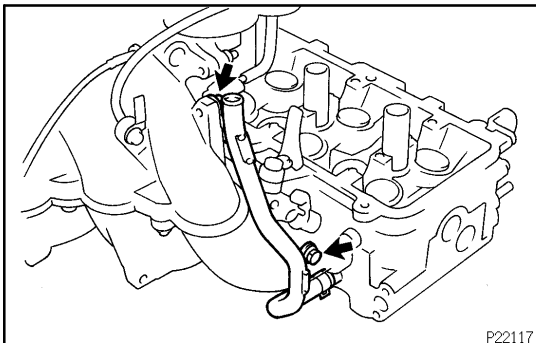
2. REMOVE WATER OUTLET

Remove the 2 nuts, water outlet and gasket.



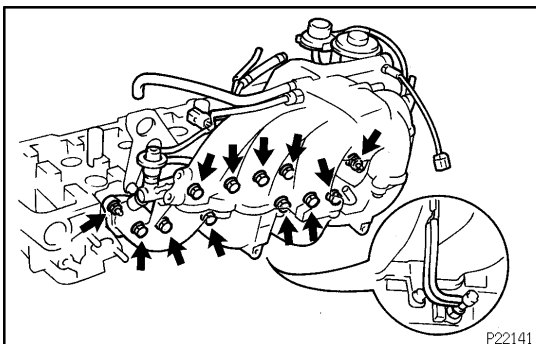
3. REMOVE EGR PIPE

- (a) Loosen the union nut.
- (b) Remove the 2 bolts, EGR pipe and gasket.



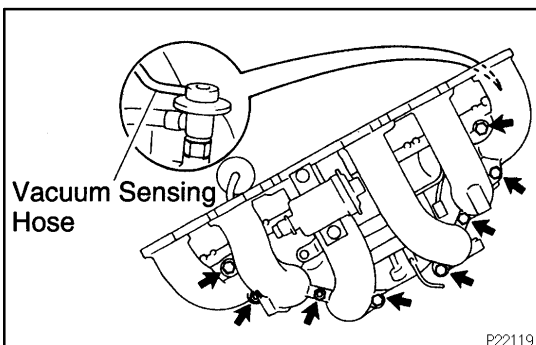
4. REMOVE HEATER INLET PIPE AND HOSE

Remove the 2 bolts, and disconnect the pipe and hose.



5. REMOVE AIR INTAKE CHAMBER AND INTAKE MANIFOLD ASSEMBLY

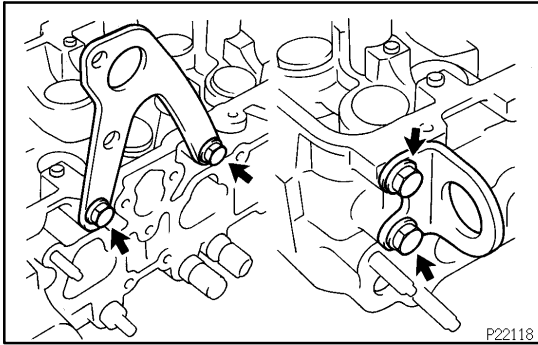
- (a) Disconnect the 2 vacuum hoses from the TVV.
- (b) Remove the 10 bolts, 2 nuts, intake manifold and gasket.



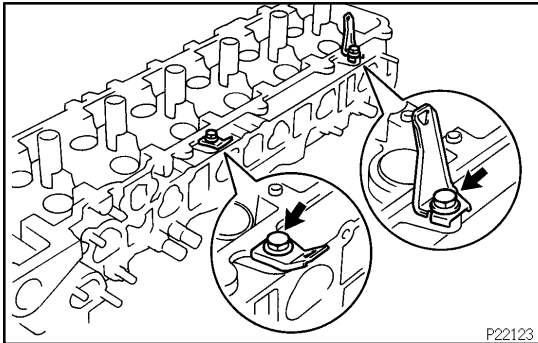
6. DISASSEMBLE AIR INTAKE CHAMBER AND INTAKE MANIFOLD ASSEMBLY

- (a) Disconnect the vacuum sensing hose from the fuel pressure regulator.
- (b) Remove the 6 bolts, 2 nuts, air intake chamber and 2 gaskets from the intake manifold.

7. REMOVE NO. 1 WATER BYPASS HOSE



8. REMOVE NO. 1 AND NO. 2 ENGINE HANGERS

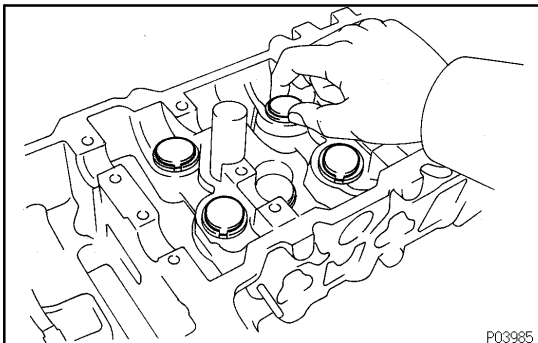


9. REMOVE 2 ENGINE WIRE CLAMP BRACKETS

Remove the 2 bolts and 2 wire clamp brackets.

10. REMOVE ACCELERATOR CABLE BRACKET AND THROTTLE CABLE BRACKET

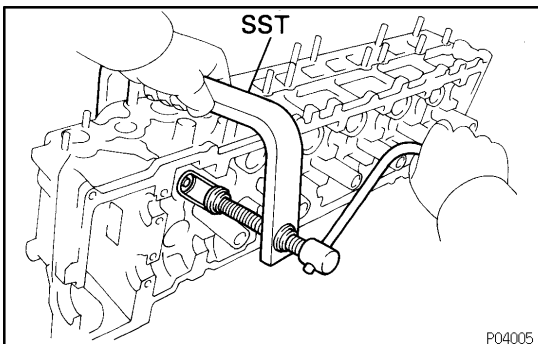
Remove the 2 bolts and 2 cable brackets.



11. REMOVE VALVE LIFTERS AND SHIMS

HINT:

Arrange the valve lifters and shims in correct order.

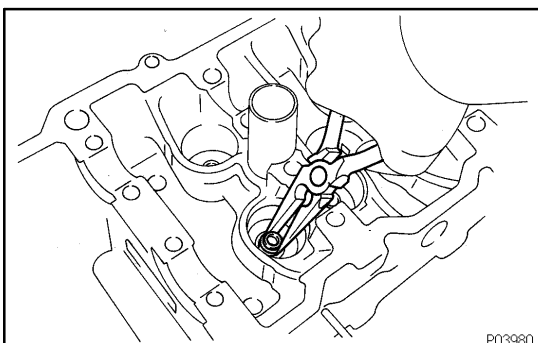


12. REMOVE VALVES

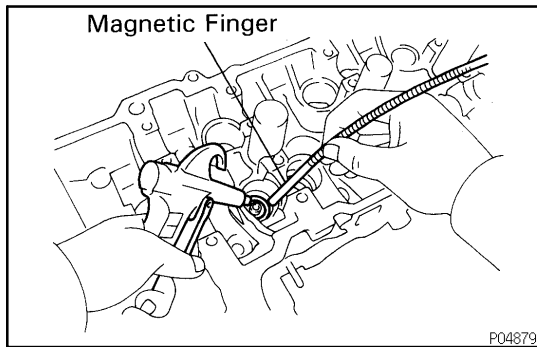
(a) Using SST, compress the valve spring and remove the 2 keepers.

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(b) Remove the spring retainer, valve spring and valve.



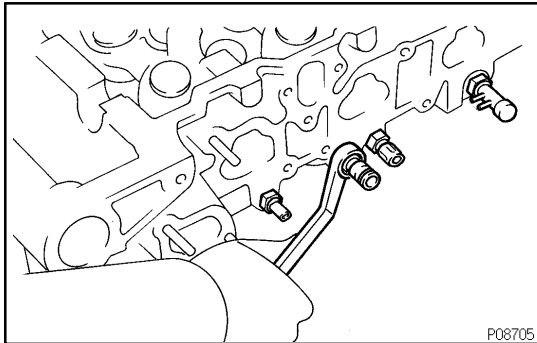
(c) Using needle-nose pliers, remove the oil seal.



- (d) Using compressed air and a magnetic finger, remove the spring seat by blowing air.

HINT:

Arrange the valves, valve springs, spring seats and spring retainers in correct order.



- 13. REMOVE ECT SENDER GAUGE**
- 14. REMOVE ECT CUT SWITCH**
- 15. REMOVE ECT SENSOR**
- 16. REMOVE TVV**