

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

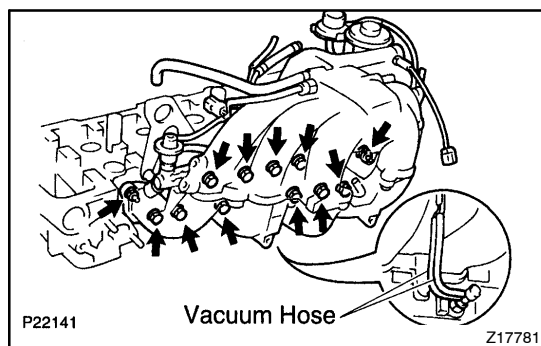
(a) Loosen the union nut.

(b) Remove the 2 bolts, EGR pipe and gasket.

4. REMOVE HEATER INLET PIPE AND HOSE

(a) Remove the 2 bolts.

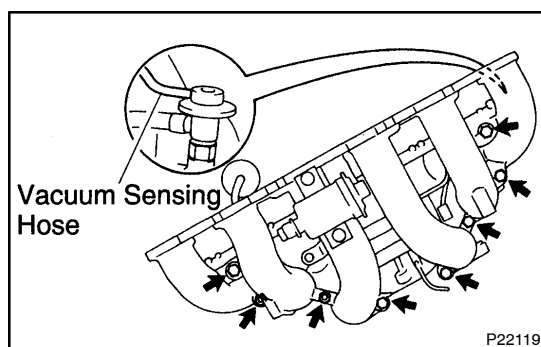
(b) Disconnect the hose from the cylinder head, and remove the inlet pipe.



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. REMOVE AIR INTAKE CHAMBER FROM INTAKE MANIFOLD

(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 ENGINE HANGER

Remove the 2 bolts and engine hanger.

9. REMOVE NO.2 ENGINE HANGER

Remove the 2 bolts and engine hanger.

10. REMOVE ENGINE WIRE BRACKETS

Remove the bolt and wire bracket. Remove the 2 wire brackets

11. REMOVE ACCELERATOR CABLE BRACKET AND THROTTLE CABLE BRACKET

Remove the 2 bolts and 2 cable brackets.

12. REMOVE ECT SENDER GAUGE

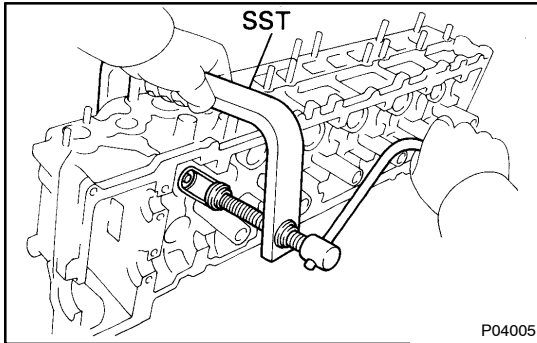
13. REMOVE ECT CUT SWITCH

14. REMOVE ECT SENSOR

15. REMOVE TVV

16. REMOVE VALVE LIFTERS AND SHIMS**HINT:**

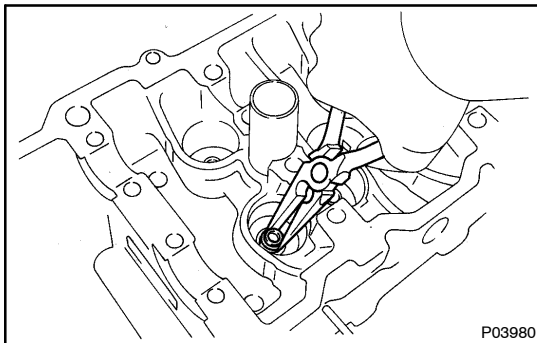
Arrange the valve lifters and shims in correct order.

**17. REMOVE VALVES**

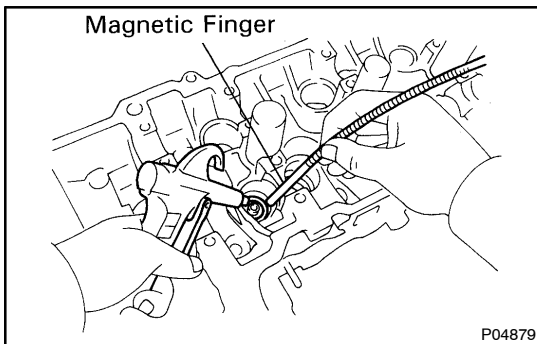
- (a) Using SST, compress the valve spring and remove the 2 keepers.

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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.