

DISASSEMBLY a CYLINDER HEAD WORKSHEET

Name: _____

MARK /35

1. Locate a cylinder head.
2. Place the cylinder head on a flat surface with the head on its side so you have access to the valves.
3. Locate the valve spring compressor.

4. Adjust the jaws of the valve spring compressor so that they fit the spring retainers.

CAUTION: Always Wear Safety Glasses while removing Valves



5. Begin at one end of the cylinder head and remove the valve assemblies by compressing the valve spring and removing the locks. A small magnet makes removing the locks easier. Ask Mr.Kittel for Demo!!!!
6. Slowly release the spring compressor and remove it from the head. Collect the valve spring and spring retainer then pull out the valve.

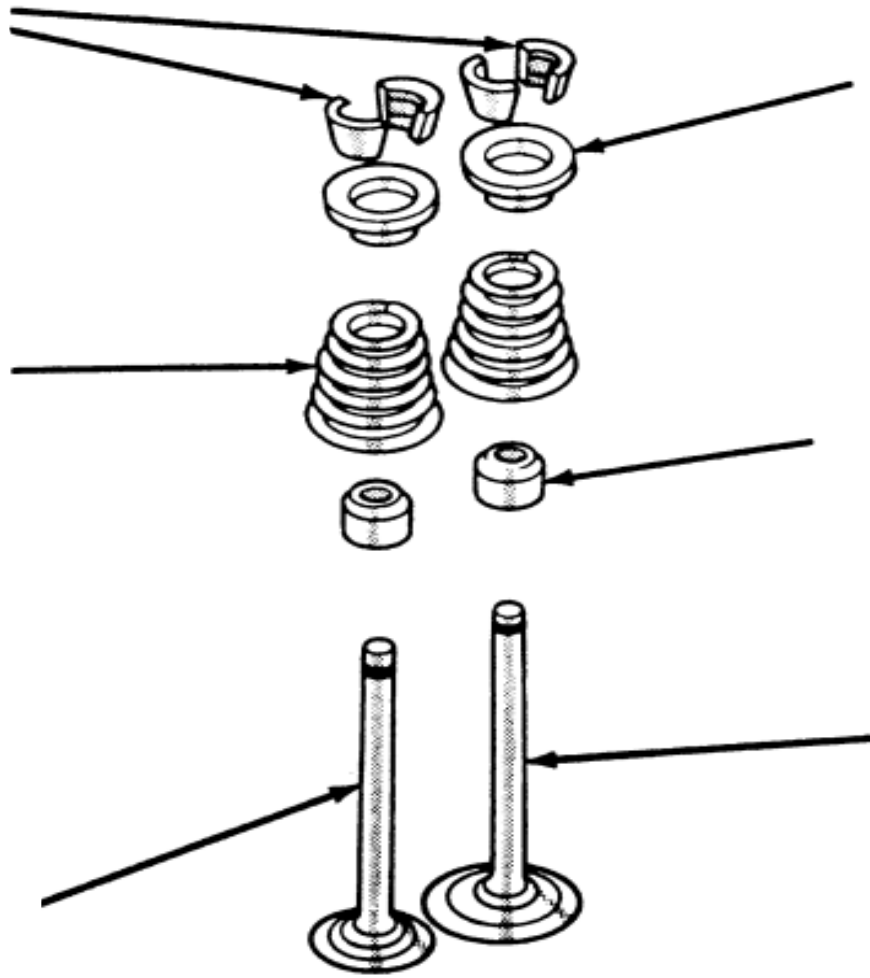
7. Arrange the valve, spring, retainer, and locks together so they can be assembled as a set and in the same location.



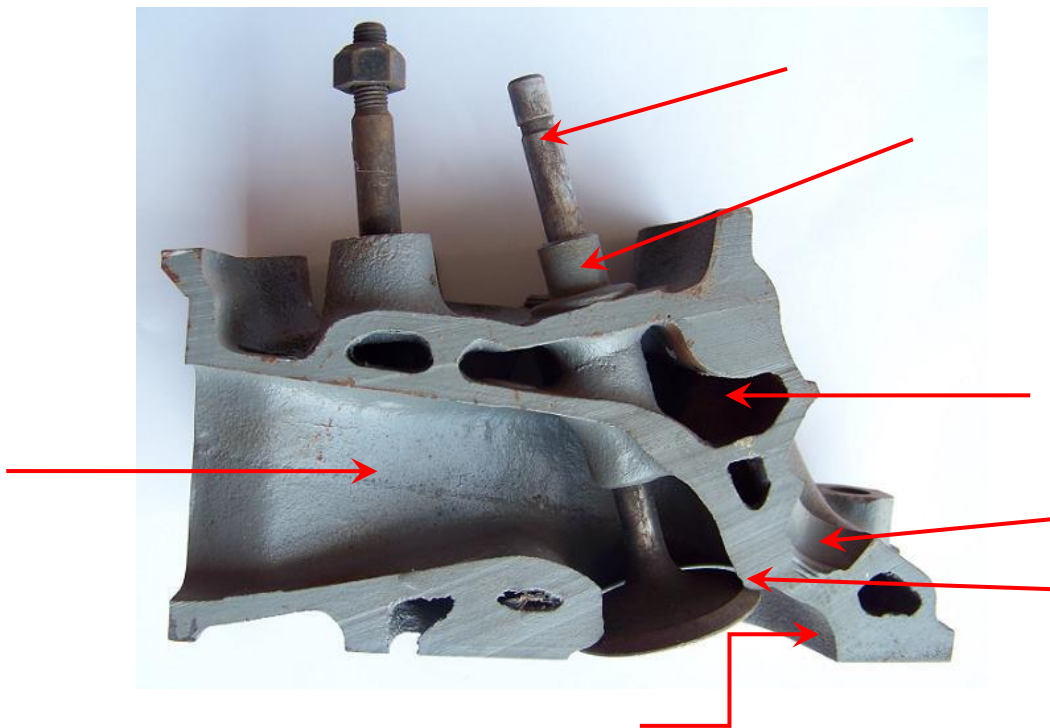
8. Remove all valves from cylinder head.
9. Using a micrometer, measure one valve stem: _____(10 marks)
10. Install all valves back to the appropriate location.

QUESTIONS – Refer to your notes or text book.

1. Name the part of the cylinder head the valves are located in. _____ (2 marks)
2. What is the name of the bigger valve? _____ (2 marks)
3. What is the name of the smaller valve? _____ (2 marks)
4. What is the cylinder head component that contains the valve stem? _____ (2 marks)
5. What prevents oil from leaking from valve stem into cylinder? _____ (2 marks)
6. **Label** the following diagrams. (15 marks)



Intake Valve, Exhaust Valve, Retainer, Locks, Valve Head, Valve Spring, Valve Seal, Valve Stem



Valve Guide, Valve Seat, Spark Plug, Combustion Chamber, Cylinder Port, Water Jacket, Valve