

# ENGINE COMPONENTS IDENTIFICATION



What is the function of the following engine components?

1. Camshaft \_\_\_\_
2. Intake manifold \_\_\_\_
3. Pistons \_\_\_\_
4. Carburetor \_\_\_\_
5. Distributor \_\_\_\_
6. Timing Cover \_\_\_\_
7. Ignition Coil \_\_\_\_
8. Oil Pump \_\_\_\_
9. Exhaust Valve \_\_\_\_
10. Cooling Fan \_\_\_\_
11. Crankshaft \_\_\_\_
12. Hydraulic Valve lifter \_\_\_\_
13. Radiator Hoses \_\_\_\_
14. Rocker Arm \_\_\_\_
15. Valve Cover \_\_\_\_
16. Throttle Body \_\_\_\_
17. Timing Belt \_\_\_\_
18. Flywheel \_\_\_\_

NAME \_\_\_\_\_

PERIOD \_\_\_\_\_

19. Starter/solenoid \_\_\_\_
20. Timing chain tensioner \_\_\_\_
21. Valve spring \_\_\_\_
22. Cylinder head \_\_\_\_
23. Vacuum advance \_\_\_\_
24. Oil Pan \_\_\_\_
25. Push Rods \_\_\_\_
26. Ignition wires \_\_\_\_
27. Cylinders \_\_\_\_
28. Alternator \_\_\_\_
29. Fuel Filter \_\_\_\_
30. Main and Rod bearings \_\_\_\_
31. Water pump \_\_\_\_
32. Air filter \_\_\_\_
33. Thermostat \_\_\_\_
34. Oil pressure relief valve \_\_\_\_
35. Engine block \_\_\_\_
36. Ignition Module \_\_\_\_
37. Battery \_\_\_\_
38. Connecting Rods \_\_\_\_
39. Spark Plugs \_\_\_\_
40. Fuel Pump \_\_\_\_
41. Intake Valves \_\_\_\_
42. Motor Mounts \_\_\_\_
43. Radiator \_\_\_\_
44. Exhaust Manifold \_\_\_\_
45. Oil Filter \_\_\_\_

## **ENGINE COMPONENTS IDENTIFICATION ANSWERS**

- A. Pumps coolant through engine and radiator**
- B. Allows air/fuel into cylinder**
- C. Removes impurities from engine oil**
- D. Ensures timing chain has correct tension**
- E. Main unit of engine assembly containing cylinders**
- F. Controls amount of air entering intake manifold**
- G. Removes dirt from air entering engine**
- H. Routes high voltage sparks to spark plugs**
- I. Fuel system component which mixes air with fuel**
- J. Large round openings in engine block**
- K. Link between valve lifter and rocker arm on OHV engines**
- L. Routes sparks to cylinders in correct order**
- M. Closes intake and exhaust valves**
- N. Pumps fuel through fuel system**
- O. Used to crank engine for starting**
- P. 12 volt power storage unit**
- Q. Connects pistons to crankshaft**
- R. Controls engine temperature**
- S. Routes exhaust gasses to exhaust system**
- T. Electronic Ignition system control unit**
- U. Routes air/fuel mixture to cylinder head**
- V. Drives crankshaft/camshaft in correct synchronization**
- W. Releases excess oil pressure**
- X. Mounts engine in vehicle**
- Y. Routes engine coolant from radiator to engine**
- Z. Contains intake and exhaust valves**
- AA. Causes air to flow through radiator**
- BB. Charges electrical system**
- CC. Large toothed wheel linking engine to transmission**
- DD. Fires air/fuel mixture**
- EE. Surfaces that support crankshaft and connecting rods**
- FF. Pivots to open intake and exhaust valves**
- GG. Allows exhaust out of cylinder**
- HH. Develops high voltage sparks**
- II. Removes impurities from fuel**
- JJ. Pumps oil through engine**
- KK. Main engine shaft driven by pistons**
- LL. Uses vacuum to control ignition timing**
- MM. Removes heat from engine coolant**
- NN. Uses oil pressure to open and close valves**
- OO. Controls opening periods of intake and exhaust valves**
- PP. Covers top of cylinder head**
- QQ. Reservoir for lubrication system**
- RR. Reciprocating parts which fill engine cylinders**
- SS. Covers engine timing components**