



AUTO 109 - Automotive workshop

Review Questions

1. What device detonates the air/gas mixture? (a) plug wires, (b) battery, (c) distributor, (d) spark plug

1. Answer. (d).

2. What do the valves do? (a) open to allow the explosion to be forced onto the crankshaft, (b) allow coolant to enter engine, (c) allow the spark to enter engine, (d) open to allow gas/air to enter and for exhaust to exit

2. Answer. (d).

3. What do camshafts do? (a) push out engine exhaust, (b) open the valves, (c) drive the crankshaft, (d) inject fuel/air into the engine

3. Answer. (b).

4. What part is considered the regulator of the engine? (a) camshaft, (b) computer, (c) valves, (d) pistons

4. Answer. (a).

5. What two devices are used as a drive belt for the camshaft? (a) they are moved using magnetic force, (b) belt or chain, (c) rope or clutch, (d) belt or band

5. Answer. (b).

6. What part is in between the pistons and crankshaft? (a) valve springs, (b) connecting rods, (c) manifold, (d) camshafts

6. Answer. (b).

7. What happens when a valve cannot shut due to weak valve springs? (a) valve float, (b) valve reversal, (c) valve levitation, (d) valve warp

7. Answer. (a).

8. What does a turbo-charger or super-charger do? (a) advances timing of the engine (b) lowers engine RPM, (c) forces more air/fuel mixture into the engine, (d) raises engine RPM

8. Answer. (c).

9. Why is oil such an important part of a car's engine? (a) it keeps the engine cool (b) it keeps the steering wheel turning smoothly, (c) it keeps jiffy lube in business, (d) it keeps the pistons and bearings lubricated for smooth-running engine.

9. Answer. (d).

10. What system is a muffler a part of? (a) the cooling system (b) the exhaust system, (c) the stereo system, (d) none of the above

10. Answer. (b).

11. What does DOHC stand for? (a) dual over heated camshafts (b) dual overhead clutches, (c) dual overhead crankshafts, (d) dual overhead camshafts

11. Answer. (d).

12. Which of the following is a function of the engine's lubrication system? (a) Holds an adequate supply of oil (b) Removes contaminants from the oil (c) Delivers oil to all necessary areas of the engine (d) All of the above

12. Answer. (d).

13. Which of the following would not cause low oil pressure? (a) Plugged oil pickup screen (b) Excessive oil dilution (c) Excessive engine valve lifter wear (d) Excessive engine bearing wear

13. Answer. (c).

14. Which of the following would be likely cause excessive oil consumption? (a) Faulty PCV system (b) Worn piston rings (c) Neither A nor B (d) Both A and B

14. Answer. (d).

15. In most automotive applications, the water pump is driven by the: (a) Flywheel (b) Camshaft (c) Crankshaft (d) Impeller

15. Answer. (c).