

# Teen Driver Car Maintenance and Repair Quiz

Parents, please print this quiz and give it to your teen driver. They must answer 20 questions correctly to pass (correctly labeling the car diagram = 1 point). The answer key is on the last page (keep it away from your teen while they are taking the quiz).

Upon successful completion of the quiz with a passing score, you may award your teen with the AutoMD.com Certificate of Commitment.

1. List six vehicle components that should be checked on a routine basis:

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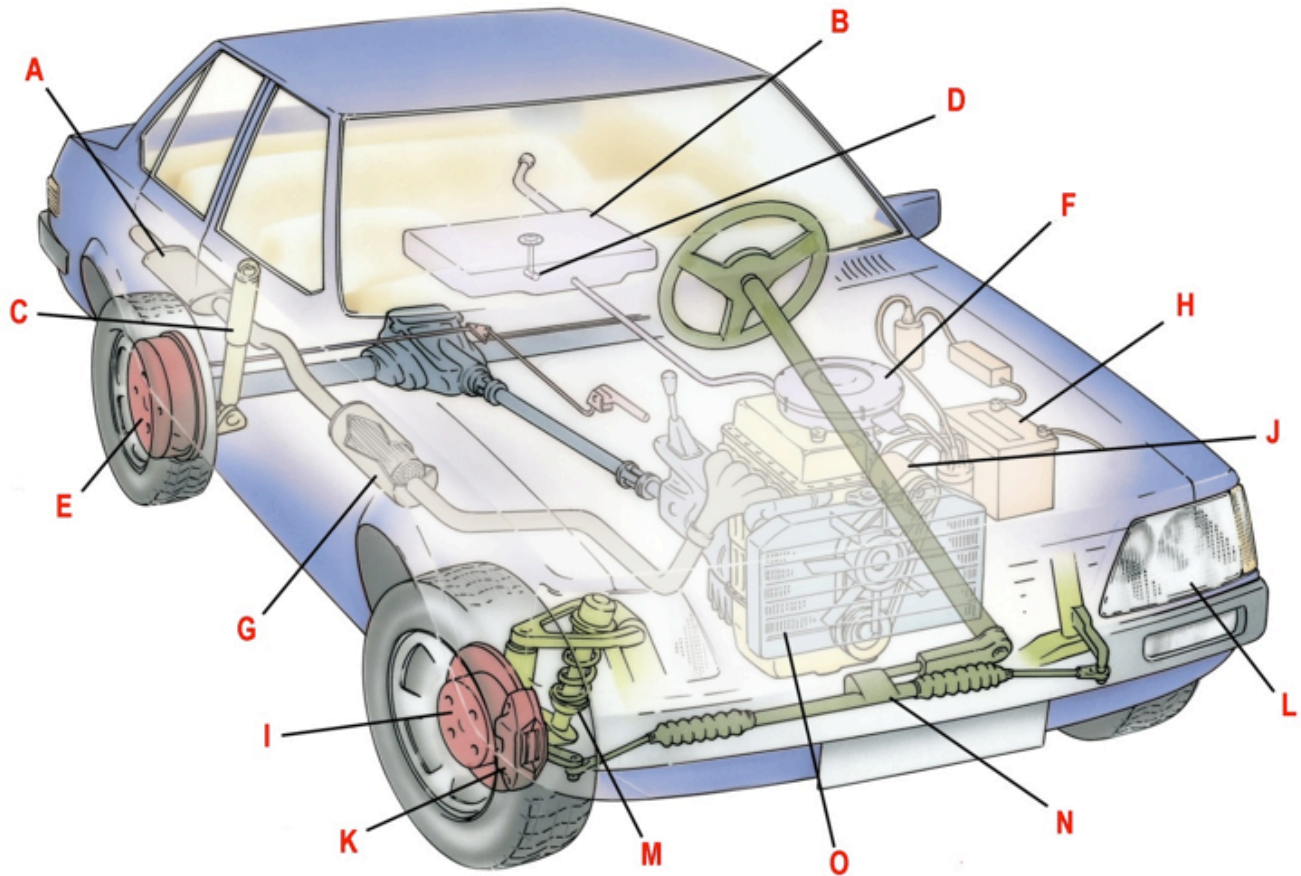
2. Motor oil is designed to:
- a. Lubricate the battery
  - b. Lubricate, cool and seal internal engine components
  - c. Lubricate, cool and seal the gas tank
  - d. Add tread to the tires
  - e. All of the above
3. How much oil is needed to raise the oil level from Min to Max in your car?
- a. One Gallon
  - b. One Liter
  - c. One Quart
  - d. Two Quarts
  - e. Two Cups
4. True or False? Low tire pressure has no impact on fuel economy.
- a. True
  - b. False
5. Where can you find the manufacturers' recommended tire pressure for your car?
- a. On the sticker located on the driver side door jam
  - b. On the tire itself
  - c. In your vehicle owner's manual
  - d. Both a and c

6. How long do most car batteries last?
  - a. 1-3 years
  - b. 2-4 years
  - c. 3-5 years
  - d. 8- 10 years
  
7. A fully charged battery should read how many volts?
  - a. 9.8 volts
  - b. 12.6 volts
  - c. 13.2 volts
  - d. 32.4 volts
  
8. Your car's 12 volt battery stores the electrical energy necessary to:
  - a. start your vehicle's engine
  - b. power electrical components while the engine is not running
  - c. power the brake system
  - d. All of the above
  - e. Both a and b
  
9. The white powdery or chalky substance that can form on top of the battery is called
  - a. Corrosion
  - b. Dry Ice
  - c. Snow
  - d. Acid
  
10. True or False? Most coolants that you put in your car are toxic.
  - a. True
  - b. False
  
11. Adding a 50/50 mixture of which two items to your cooling system is recommended for optimum performance.
  - a. Coolant/Antifreeze and Distilled Water
  - b. Oil and Distilled Water
  - c. Coolant/Antifreeze and Oil
  - d. Windshield Wiper Fluid and Distilled Water
  
12. If your car doesn't have a reservoir for Antifreeze/Coolant, wait until the engine is cool and pour the fluid directly into your:
  - a. Gas Tank
  - b. Radiator
  - c. Windshield
  - d. None of the above
  
13. How often should you change the windshield wiper blades on your car?
  - a. Once per week
  - b. Once per month
  - c. Once per year
  - d. Never

14. Headlight and tail light bulbs are:
  - a. Readily available from your local auto parts store
  - b. Easy to change on most vehicles
  - c. Necessary for the turn signals to operate
  - d. All of the above
  
15. How do you check the oil level?
  - a. With your finger
  - b. By looking at the Min mark on the oil tank
  - c. With the engine oil dipstick
  - d. By looking out for a check engine light
  
16. When draining the oil from your car, contaminants will drain more easily from a:
  - a. warm engine
  - b. cool engine
  
17. True or False? It's okay to dump used motor on the ground to kill weeds.
  - a. True
  - b. False
  
18. If you are driving when a flat tire occurs:
  - a. Stop and turn your car off immediately, no matter where you are on the road
  - b. Keep driving until you find a repair shop
  - c. Pull off to the side of the road and turn on the hazard lights
  
19. If your battery is dead, and you want to "jumpstart" the battery, you will need
  - a. Jumper cables only
  - b. Jumper cables and a multi-meter
  - c. Jumper cables and another vehicle
  - d. A multi-meter and another vehicle
  
20. Which step is not correct when jumpstarting a battery?
  - a. Connect the jumper cables red clamp to the positive post of the dead battery first.
  - b. The black clamps of the jumper cables should be connected to the negative posts of both batteries first.
  - c. The black clamp should be connected to the engine block on the vehicle with the dead battery.
  - d. Remove the jumper cables in the reverse order of installation.
  
21. What is the function of the engine air filter?
  - a. Keeps the oil clean by preventing dirt from getting into the oil
  - b. Keeps dirt away from the battery
  - c. Allows air to flow to the gas tank
  - d. Prevents dirt from entering the engine

22. A clean engine air filter does which of the following?
- Has a build-up of dust and dirt to restrict the flow of air to the engine.
  - Traps dirt thus keeping it away from and out of the oil
  - Keeps air away from the battery, radiator, and other key engine components
  - Allows the proper amount of air flow into the engine to keep the motor running smoothly and efficiently.
23. True or False? You rarely, if ever, have to change the air filter in your car.
- True
  - False
24. Pick the best response. If your car manufacturer recommends regular gasoline (87 octane), you will get better performance if you use premium gas (92 octane).
- False, experts say that using premium gas when the vehicle does not require it is like throwing your money away and will not improve vehicle performance.
  - True, using premium gas will improve your engines performance by 20%.
25. You can check the tread depth on your tires by inserting a penny (Lincoln's head in first) into one of the grooves. You have a legal and safe amount of tire tread left if:
- any part of Lincoln's head is covered
  - you can see all of Lincoln's head
  - you can see any part of the words "In God We Trust"
26. You should change your engine oil and filter every
- 10,000 miles
  - 20,000 miles
  - 30,000 miles
  - You should follow the manufacturer's recommendations
27. If something electrical in your car stops working, but your car starts just fine, it might be
- a blown fuse
  - a dead battery
  - no gas in the car
  - time to change your oil
28. True or False? You should always top off your gas tank to get every last bit in your tank.
- True
  - False

29. Label the parts of the car



- |       |               |       |                     |
|-------|---------------|-------|---------------------|
| _____ | Headlight     | _____ | Brake rotor         |
| _____ | Brake drum    | _____ | Shock               |
| _____ | Battery       | _____ | Alternator          |
| _____ | Fuel pump     | _____ | Brake caliper       |
| _____ | Steering rack | _____ | Fuel tank           |
| _____ | Muffler       | _____ | Strut               |
| _____ | Air filter    | _____ | Catalytic converter |
| _____ | Radiator      |       |                     |

# Quiz Answer Key

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- |   |       |
|---|-------|
| 1. Check the Oil                            | 14. D |
| Check the Tire Pressure                     |       |
| Check the Battery                           | 15. C |
| Check the Coolant                           |       |
| Check the Windshield Wiper Fluid and Blades | 16. A |
| Check Your Lights                           |       |
|   | 17. B |
| 2. B  |       |
|   | 18. C |
| 3. C  |       |
|   | 19. C |
| 4. B  |       |
|   | 20. B |
| 5. D  |       |
|   | 21. D |
| 6. C  |       |
|   | 22. D |
| 7. B  |       |
|   | 23. B |
| 8. E  |       |
|   | 24. A |
| 9. A  |       |
|   | 25. A |
| 10. A                                       |       |
|   | 26. D |
| 11. A                                       |       |
|   | 27. A |
| 12. B                                       |       |
|   | 28. B |
| 13. C                                       |       |

## 29. Labels

- |                         |                   |
|-------------------------|-------------------|
| Muffler (A)             | Brake rotor (I)   |
| Fuel tank (B)           | Alternator (J)    |
| Shock (C)               | Brake caliper (K) |
| Fuel pump (D)           | Headlight (L)     |
| Brake drum (E)          | Strut (M)         |
| Air filter (F)          | Steering rack (N) |
| Catalytic converter (G) | Radiator (O)      |
| Battery (H)             |                   |

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