



**Basic Automotive Maintenance**  
*Supplement for CEV Video #879*

# **Basic Automotive Maintenance**

## ***Supplement for CEV Video #879***

### **Goal:**

To introduce basic automotive care needed to retain the life span of a vehicle.

### **Objectives:**

1. to provide general instruction for performing basic automotive maintenance
2. to assess and respond to engine, chassis and body malfunctions
3. to help determine whether you can perform certain repairs or adjustments or if you should take the vehicle to a technician

# Basic Automotive Maintenance Video Quiz I

## True or False

- \_\_\_\_\_ 1. You should check the transmission fluid for a burnt smell when inspecting its level.
- \_\_\_\_\_ 2. Only maintenance free batteries are now used.

## Multiple Choice

- \_\_\_\_\_ 3. Two types of belt systems are:
- a. drive and rust-free
  - b. drive and "v" belt
  - c. "v" belt and serpentine
  - d. serpentine and platinum
- \_\_\_\_\_ 4. To clean a corroded battery post, you can use:
- a. mustard
  - b. lemonade
  - c. water
  - d. baking soda and water

## Short Answer

- \_\_\_\_\_ 5. How can you determine what type of spark plug your vehicle uses?

# Basic Automotive Maintenance Video Quiz II

## True or False

- \_\_\_\_\_ 1. You should periodically fill the brake fluid reservoir.
- \_\_\_\_\_ 2. Two types of tire rotation are the 3 tire pattern and the 4 tire pattern.

## Multiple Choice

- \_\_\_\_\_ 3. Windshield wiper blades can be replaced:
- a. only as a blade
  - b. either as a blade or as the assembly
  - c. only as the assembly
  - d. after every rain storm
- \_\_\_\_\_ 4. Tire wear can occur because of:
- a. under inflation
  - b. over inflation
  - c. an alignment problem
  - d. all of the above

## Short Answer

5. Which exterior lights should be checked? Why?

# Basic Automotive Maintenance Video Quiz III

## True or False

- \_\_\_\_\_ 1. Only a technician should check all of these basic points.
- \_\_\_\_\_ 2. Only wear safety goggles when checking oil levels.

## Multiple Choice

- \_\_\_\_\_ 3. To learn EPA specifications for your city, contact the:
- a. State Department of Transportation.
  - b. waste management office
  - c. Better Business Bureau
  - d. mayor's office
- \_\_\_\_\_ 4. You should always check a technician's:
- a. reputation
  - b. certification
  - c. experience
  - d. all of the above

## Short Answer

- \_\_\_\_\_ 5. What safety precautions should you take when inspecting your car?

# Basic Automotive Maintenance

## Final Video Quiz

### True or False

- \_\_\_\_\_ 1. Two types of maintenance schedules are the time schedule and the date schedule.
- \_\_\_\_\_ 2. Grease zerks are for lubrication maintenance.
- \_\_\_\_\_ 3. Shocks and struts should never be inspected for damage.
- \_\_\_\_\_ 4. On most vehicles, manufacturer's specifications for tire pressure can be found on the driver's side door.
- \_\_\_\_\_ 5. The engine should be cool before checking the radiator's coolant level.

### Multiple Choice

- \_\_\_\_\_ 6. When checking moving parts:
- a. never wear loose clothing
  - b. tie back long hair
  - c. a and b
  - d. none of the above
- \_\_\_\_\_ 7. During freezing conditions, you should fill the windshield reservoir:
- a. to the full line
  - b.  $\frac{1}{2}$  full
  - c.  $\frac{3}{4}$  full
  - d. until it nearly overflows
- \_\_\_\_\_ 8. Platinum spark plugs should be changed every:
- a. 20,000 miles

- b. 30,000 miles
- c. 40,000 miles
- d. 50,000 + miles

\_\_\_\_\_ 9. To avoid carbon monoxide poisoning, you should inspect what for damage and leakage:

- a. exhaust system
- b. brake system
- c. windshield wiper fluid reservoir
- d. steering linkage

\_\_\_\_\_ 10. On a front wheel drive vehicle, the component that allows for a smooth ride is a:

- a. shock
- b. Macpherson strut
- c. brake
- d. air filter

# Basic Automotive Maintenance

## *Answer Key for CEV Video #879*

### True or False

- T** 1. You should check the transmission fluid for a burnt smell when inspecting its level.
- F** 2. Only maintenance free batteries are now used.  
**Conventional batteries are also commonly used.**

### Multiple Choice

- c** 3. Two types of belt systems are:  
a. drive and rust-free  
b. drive and "v" belt  
**c. "v" belt and serpentine**  
d. serpentine and platinum
- d** 4. To clean a corroded battery post, you can use:  
a. mustard  
b. lemonade  
c. water  
**d. baking soda and water**

### Short Answer

5. How can you determine what type of spark plug your vehicle uses?  
**Refer to the owner's manual or the Engine Emissions Decal. To visually determine, remove a spark plug cap (not the plug itself) to see if the tip is copper (reddish-yellow color) or platinum (silver color).**

# Basic Automotive Maintenance

## *Answer Key for CEV Video #879*

### True or False

- F 1. You should periodically fill the brake fluid reservoir.  
**Adding or removing brake fluid should only be necessary when work is being done on the hydraulic brake system.**
- F 2. Two types of tire rotation are the 3 tire pattern and the 4 tire pattern.  
**Two types of tire rotation are the 4-tire and 5-tire rotations.**

### Multiple Choice

- b 3. Windshield wiper blades can be replaced:  
a. only as a blade  
**b. either as a blade or as the assembly**  
c. only as the assembly  
d. after every rain storm
- d 4. Tire wear can occur because of:  
a. under inflation  
b. over inflation  
c. an alignment problem  
**d. all of the above**

### Short Answer

5. Which exterior lights should be checked? Why?  
**All exterior lights should be checked to make sure they are in working order so that you can help prevent traffic accidents from occurring. [running or park, brake, reverse, rear turn, front turn, headlamps]**

# Basic Automotive Maintenance

## *Answer Key for CEV Video #879*

### True or False

- F 1. Only a technician should check all of these basic points.  
**Most adults can perform many of the general maintenance checks, especially those that do not require the car to be raised.**
- F 2. Only wear safety goggles when checking oil levels.  
**It's a smart safety idea to wear goggles for any maintenance task.**

### Multiple Choice

- b 3. To learn EPA specifications for your city, contact the:  
a. State Department of Transportation.  
**b. waste management office**  
c. Better Business Bureau  
d. mayor's office
- d 4. You should always check a technician's:  
a. reputation  
b. certification  
c. experience  
**d. all of the above**

### Short Answer

5. What safety precautions should you take when inspecting your car?  
**No loose clothing or long jewelry. Tie back hair. Wear safety glasses. Wear gloves. Make sure engine is cool to prevent burns.**

# Basic Automotive Maintenance

## Answer Key for CEV Video #879

### True or False

- F** 1. Two types of maintenance schedules are the time schedule and the date schedule.  
**Time and Mileage**
- T** 2. Grease zerks are for lubrication maintenance.
- F** 3. Shocks and struts should never be inspected for damage.  
**On the ground, push on car to check for excessive bounce. Whenever the car is on a lift, have it checked for physical damage and leakage.**
- T** 4. On most vehicles, manufacturer's specifications for tire pressure can be found on the driver's side door.
- T** 5. The engine should be cool before checking the radiator's coolant level.

### Multiple Choice

- c** 6. When checking moving parts:  
a. never wear loose clothing  
b. tie back long hair  
**c. a and b**  
d. none of the above
- c** 7. During freezing conditions, you should fill the windshield reservoir:  
a. to the full line  
b. 1/2 full  
**c. 3/4 full**  
d. until it nearly overflows
- d** 8. Platinum spark plugs should be changed every:  
a. 20,000 miles

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- c. 40,000 miles
- d. 50,000 + miles**

**a** 9. To avoid carbon monoxide poisoning, you should inspect what for damage and leakage:

- a. exhaust system**
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- c. windshield wiper fluid reservoir
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**b** 10. On a front wheel drive vehicle, the component that allows for a smooth ride is a:

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