

CHAPTER 7 Getting to Know Your Vehicle

STUDY GUIDE FOR CHAPTER 7 LESSON 1

Comfort and Control Systems

A. Match the vehicle part on the left with a description of one of the part's functions on the right.

- | | |
|--------------------------|---|
| _____ 1. air conditioner | a. turns on the vehicle's electrical system |
| _____ 2. air vents | b. makes your vehicle stop without a lot of foot power |
| _____ 3. ignition switch | c. maintains speed so that you do not have to use the accelerator |
| _____ 4. accelerator | d. lowers the vehicle's humidity |
| _____ 5. emergency brake | e. controls the direction in which the vehicle is going |
| _____ 6. power brakes | f. keeps a stopped vehicle from rolling |
| _____ 7. cruise control | g. allows outside air to flow into the vehicle |
| _____ 8. steering wheel | h. controls speed |

B. The ignition system has five positions. What are they, and what do they do?

1.

2.

3.

4.

5.

C. **FIND OUT MORE.** Talk with somebody you know who has a vehicle with cruise control. Find out when this person uses cruise control. Does the person feel that less concentration is needed on the road because of cruise control?

STUDY GUIDE FOR CHAPTER 7 LESSON 2

Visibility and Protective Systems of Your Vehicle

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. Your side-marker lights come on when you turn on your headlights. T F
- _____

2. A good set of mirrors will eliminate all blind spots. T F
- _____

3. You can rely exclusively on your mirrors when backing up. T F
- _____

4. If you are wearing a shoulder-lap seat belt at the time of a crash, your risk of being killed is reduced by 50 percent. T F
- _____

5. An example of a passive safety device is an air bag. T F
- _____

6. All states require very young children to ride in safety-tested and approved car seats.
T F
- _____

7. Air bags are most effective in preventing injury in rear-end crashes. T F
- _____

8. Head restraints are valuable in preventing injuries to the head because the restraints prevent your head from hitting the steering wheel. T F
- _____

B. **FIND OUT MORE.** Ask an adult to move a vehicle to an open area. Get into the driver's seat, and adjust the mirrors so that you can see as much of what is behind and next to you as possible. Have someone else in the class walk around the vehicle while you observe the person. Where are the blind spots in that vehicle? Draw a diagram below.

STUDY GUIDE FOR CHAPTER 7 LESSON 3

Information and Communication Systems

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. If your alternator warning light comes on, you should turn off any unnecessary electrical devices and check with a mechanic as soon as possible. T F

2. The oil-pressure gauge tells you if your vehicle is low on oil. T F

3. If brake fluid is leaking, the brake warning light will come on. T F

4. Your vehicle's backup lights are red or amber and come on when you shift into Reverse.
T F

5. Vehicles are required by law to have a license-plate light. T F

B. What does each of the following do?

1. Speedometer _____

2. Fuel gauge _____

3. High-beam indicator _____

4. Temperature gauge _____

5. Alternator _____

6. Oil pressure gauge _____

7. Emergency flashers _____

8. Odometer _____

C. FIND OUT MORE. Ask someone you know who drives what the effect would be on the vehicle's safety if each of the above did not work. Summarize the responses below.

STUDY GUIDE FOR CHAPTER 7 LESSON 4

Checks and Procedures to Use Before Driving

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. Each year, about 200 children under the age of six are killed while playing in the family driveway. T F

2. You should inspect the area around your vehicle after you get into it. T F

3. You should check the level of engine oil once a month. T F

4. When checking the battery, you should check for corrosion. T F

5. You should always load packages from the roadside of a parked vehicle. T F

6. When entering a vehicle, you should walk around the front of the vehicle, facing traffic.
T F

B. What procedures should you follow for an inside-the-vehicle check before you start the vehicle?

C. FIND OUT MORE. For the next two weeks, keep a record of every time you ride in a vehicle as a passenger. How many times did the driver check to see that you were wearing a seat belt?
