

Name: _____

Date: _____

1. What is the consequence of a power steering system that uses a remote reservoir?
 - A. Increased fluid capacity
 - B. Decreased fluid capacity
 - C. Improved pump efficiency
 - D. A smaller pump can be used

2. A loud whine and lack of normal power steering assist is usually caused by:
 - A. Overinflated tires
 - B. Engine idle speed above specifications
 - C. Low or contaminated power steering fluid
 - D. A defective power steering pressure switch

3. What can cause jerky steering?
 - A. Overinflated tires
 - B. Broken or loose power steering pump mounting brackets
 - C. High engine idle speed
 - D. A properly functioning flow control valve

4. What is the recommended method to help rid the power steering system of unwanted trapped air?
 - A. Running the engine at high RPM
 - B. Flushing the system with a chemical cleaner
 - C. Replacing the power steering fluid with a different type
 - D. Turning the wheels from stop to stop with the tires off the ground

5. What is the significance of the power steering pressure (PSP) switch?
 - A. It indicates when to replace the power steering fluid
 - B. It signals the PCM to increase engine idle speed under high load
 - C. It controls the flow of fluid to the steering gear
 - D. It adjusts the tension on the power steering pump belt

6. What is the result of a pressure switch failure in a power steering system?
 - A. Increased steering assist
 - B. Decreased steering assist
 - C. The computer will not increase engine idle speed during turning
 - D. The power steering fluid overheats

7. What does a typical remote reservoir in a power steering system do?
 - A. Stores extra fluid for the system
 - B. Acts as a filter for the power steering fluid
 - C. Provides a location for the pressure switch
 - D. Reduces the noise from the power steering pump

8. What is the purpose of the flow control valve in a power steering system?

- A. To direct fluid to the appropriate side of the steering gear during a turn
- B. To maintain a consistent flow of fluid regardless of engine speed
- C. To control the maximum pressure in the system
- D. To regulate the temperature of the power steering fluid

9. What is indicated by a severe grinding noise whenever the engine is running in relation to the power steering system?

- A. The power steering fluid is contaminated
- B. There is a loose connection in the steering linkage
- C. The pump mounting brackets may be broken or loose
- D. The steering gear is mechanically binding

10. What is the effect of underinflated tires on the power steering system?

- A. They make the system more efficient
- B. They can cause hard steering
- C. They reduce the noise from the system
- D. They increase the power steering fluid pressure

Automotive Technology 7th Edition

Chapter 117

Multiple Choice Quiz B

Answer Key

1. D

2. C

3. B

4. D

5. B

6. C

7. A

8. B

9. C

10. B