

Automatic Transmissions and Transaxles 8<sup>th</sup> Edition

Chapter 16

Multiple Choice Quiz A

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the primary purpose of the magnet in most automatic transmission pans?
  - A. To hold the pan in place during installation
  - B. To attract and collect steel particles
  - C. To assist in the fluid filtration process
  - D. To balance the transmission fluid flow
  
2. When performing a fluid flush in an automatic transmission, what is a potential consequence?
  - A. Increased fluid pressure
  - B. Loosening of varnish and other deposits
  - C. Reduction in transmission fluid temperature
  - D. Immediate improvement in transmission efficiency
  
3. What is a recommended safety precaution when working with new transmission fluid?
  - A. Wearing thermal-resistant gloves
  - B. Using a respirator mask
  - C. Wearing goggles or a face shield
  - D. Applying anti-static wristbands
  
4. During a fluid change, what proportion of the total fluid capacity is typically replaced?
  - A. One-quarter to one-third
  - B. Half
  - C. Three-quarters
  - D. All of it
  
5. What is a common symptom of a defective powertrain mount?
  - A. Increased fuel efficiency
  - B. Unusual noise during acceleration
  - C. Enhanced vehicle stability
  - D. Improved transmission response
  
6. What is the general procedure for replacing a seal in a transmission?
  - A. Using a chisel or slide hammer and/or a seal puller
  - B. Applying a high-pressure air gun
  - C. Utilizing a specialized hydraulic tool
  - D. Heating the area around the seal
  
7. What is the main difference between fluid flushing and fluid exchange in transmissions?
  - A. Fluid flushing uses a chemical to dissolve deposits
  - B. Fluid exchange involves adjusting the transmission bands
  - C. Fluid flushing changes the type of fluid used
  - D. Fluid exchange is a quicker process

8. What is the purpose of the shifter interlock system in a vehicle?
- A. To prevent shifting into reverse at high speeds
  - B. To ensure smooth gear transitions
  - C. To prevent shifting into drive or reverse without pressing the brake pedal
  - D. To lock the transmission during parking
9. In the context of automatic transmissions, what does a band adjustment typically involve?
- A. Tightening the external housing of the transmission
  - B. Adjusting the tension of the internal bands to control gear shifting
  - C. Calibrating the transmission fluid pressure
  - D. Aligning the transmission with the engine
10. What is a key sign of needing to replace transmission fluid more frequently?
- A. The vehicle is used for frequent short trips
  - B. The transmission fluid appears clear and odorless
  - C. The vehicle is used under severe driving conditions
  - D. The vehicle is primarily driven in urban areas

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Answer Key

1. B

2. B

3. C

4. A

5. B

6. A

7. A

8. C

9. B

10. C