

Automatic Transmissions and Transaxles 8th Edition

Chapter 16

Multiple Choice Quiz B

Name: _____ Date: _____

1. What is the primary purpose of the magnet in most automatic transmission pans?
 - A. To attract and hold metal debris
 - B. To stabilize the pan during installation
 - C. To assist in fluid circulation
 - D. To detect transmission faults

2. When performing a fluid exchange in a transmission, what is a potential risk associated with new ATF?
 - A. It can solidify under high temperatures
 - B. It may loosen varnish and deposits, causing blockages
 - C. It reduces the effectiveness of seals
 - D. It can corrode metal components

3. What is a recommended safety precaution when handling automatic transmission fluid (ATF)?
 - A. Use a respirator at all times
 - B. Avoid any skin contact with the fluid
 - C. Store ATF in a cool, dry place
 - D. Ensure proper ventilation in the work area

4. During a transmission service, what is the significance of inspecting the pan and filter?
 - A. To check for proper alignment
 - B. To assess the wear and tear of internal components
 - C. To ensure correct fluid viscosity
 - D. To verify the correct installation of the filter

5. What is the general recommendation for automatic transmission fluid change intervals under normal driving conditions?
 - A. Every 25,000 miles
 - B. Every 50,000 miles
 - C. Every 100,000 miles
 - D. Every 150,000 miles

6. What is a key difference between fluid flushing and fluid exchange in transmission maintenance?
 - A. Fluid flushing involves chemical cleaning
 - B. Fluid exchange is a quicker process
 - C. Fluid flushing is recommended for older vehicles
 - D. Fluid exchange requires special equipment

7. What is the purpose of the shifter interlock system in a vehicle?
 - A. To enhance fuel efficiency
 - B. To prevent shifting into reverse at high speeds
 - C. To prevent shifting without pressing the brake pedal
 - D. To synchronize gear changes

8. In the context of transmission service, what is the role of a lip seal?
- A. To prevent fluid leakage
 - B. To reduce friction between moving parts
 - C. To maintain pressure within the system
 - D. To filter out contaminants
9. What is the primary reason for replacing defective powertrain mounts?
- A. To improve fuel efficiency
 - B. To reduce engine noise
 - C. To enhance transmission performance
 - D. To prevent misalignment and vibration
10. What does a manual linkage adjustment in a transmission typically address?
- A. Fluid pressure regulation
 - B. Gear shifting smoothness
 - C. Starter engagement and detent alignment
 - D. Temperature control within the transmission

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Answer Key

1. A

2. B

3. B

4. B

5. C

6. A

7. C

8. A

9. D

10. C