

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

Chapter 19

Multiple Choice Quiz A

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

1. What is the primary function of bushings in a transmission?
  - A. Support rotating shafts
  - B. Reduce fluid pressure
  - C. Control gear shifting
  - D. Regulate temperature
  
2. What is a common symptom of worn thrust washers in a transmission?
  - A. Increased noise during shifting
  - B. Overheating
  - C. Fluid leakage
  - D. Delayed gear engagement
  
3. What is the purpose of air testing in transmission service?
  - A. To check the operation of the pump
  - B. To test valve body valve operation
  - C. To test clutches and bands for proper operation and detect leaks
  - D. To operate speed sensors
  
4. When rebuilding a clutch in a transmission, what components are typically replaced?
  - A. Friction plates, piston seals, and bushings
  - B. Gaskets and O-rings
  - C. Solenoids and sensors
  - D. Valve body and shift solenoids
  
5. What is the significance of performing a "fast learn" or "quick learn" with a scan tool before driving a vehicle with an electronic transmission/transaxle?
  - A. To adjust the transmission to the driver's style
  - B. To ensure proper transmission fluid level
  - C. To calibrate the transmission's electronic controls
  - D. To test the transmission's mechanical components
  
6. What is the primary concern when using water-based chemical cleaning for transmission parts?
  - A. Corrosion of metal parts
  - B. Ineffectiveness in removing grease
  - C. Environmental impact
  - D. Damage to electrical components
  
7. What is the role of thrust washers in a transmission?
  - A. To separate rotating parts from each other or from stationary parts
  - B. To control the flow of transmission fluid
  - C. To engage and disengage gears
  - D. To maintain the alignment of gears

8. What is a typical procedure when checking a carrier in a transmission?

- A. Testing electrical resistance of solenoids
- B. Measuring the pressure of transmission fluid
- C. Inspecting the valve body for cracks
- D. Ensuring the pinion gears turn freely and checking for worn or missing pinion thrust bushings

9. What is a key step in case service during transmission overhaul?

- A. Checking and servicing the bushings, fluid passages, and bolt threads
- B. Replacing all seals and gaskets
- C. Conducting a complete electrical system test
- D. Flushing and replacing transmission fluid

10. What is the consequence of a seized output shaft bushing in a transmission?

- A. Increased fuel efficiency
- B. Ruined case due to spinning with the shaft
- C. Improved gear shifting
- D. Reduced transmission noise

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Answer Key

1. A

2. A

3. C

4. A

5. C

6. C

7. A

8. D

9. A

10. B