

Automatic Transmissions and Transaxles 8th Edition

Chapter 8

Multiple Choice Quiz A

Name: _____ Date: _____

1. What is the primary purpose of the apply piston in a clutch system?
 - A. To release the clutch
 - B. To apply hydraulic pressure
 - C. To engage the clutch
 - D. To control the transmission fluid flow

2. What is the function of the drum in a clutch system?
 - A. To store transmission fluid
 - B. To mate with external splines on steel plates
 - C. To act as a hydraulic pump
 - D. To dissipate heat

3. The groove pattern on friction plates serves to:
 - A. Increase the weight of the clutch
 - B. Enhance aesthetic appeal
 - C. Help wipe fluid away and dissipate heat
 - D. Reduce the clutch's torque capacity

4. What is the role of accumulators in a transmission system?
 - A. To increase fluid pressure
 - B. To absorb fluid during pressure buildup
 - C. To store extra transmission fluid
 - D. To cool down the transmission system

5. The term "garage shifts" refers to:
 - A. Shifts that occur when the vehicle is in motion
 - B. Shifts from neutral to drive or reverse while the vehicle is at rest
 - C. Manual shifting in automatic transmissions
 - D. Shifts that occur during vehicle maintenance

6. The most commonly used lining material for clutches is:
 - A. Leather
 - B. Paper
 - C. Metal
 - D. Rubber

7. Typical clearance between each friction surface-lined and unlined plate should be about:
 - A. 0.001 to 0.005 inch
 - B. 0.010 to 0.015 inch
 - C. 0.020 to 0.035 inch
 - D. 0.050 to 0.075 inch

8. An example of a one-way clutch is:

- A. Multi-clutch pack
- B. Band
- C. Roller clutch
- D. Accumulator

9. The torque-carrying capacity of a clutch is determined by:

- A. The number of plates
- B. The amount of lining area on the plates
- C. The amount of pressure squeezing the plates together
- D. All of the above

10. How does an accumulator work in a transmission system?

- A. Slows the application of the clutch or band
- B. Includes a solenoid to apply a clutch
- C. Supplies high-pressure ATF to a band so it applies quickly
- D. Accumulates extra ATF for use when it is low in the case of a leak

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Answer Key

1. C

2. B

3. C

4. B

5. B

6. B

7. A

8. C

9. D

10. A