

Automatic Transmissions and Transaxles 8th Edition

Chapter 18

Multiple Choice Quiz B

Name: _____ Date: _____

1. What is the primary purpose of the valve body in a transmission?
 - A. Control fluid pressure
 - B. Act as a mechanical filter
 - C. Provide structural support
 - D. Regulate temperature

2. Which of the following is NOT a typical step in valve body service?
 - A. Disassembly
 - B. Ultrasonic cleaning
 - C. Checking for free movement
 - D. Replacing all filter screens

3. What is a common method used to retain valves in a bore?
 - A. Magnetic force
 - B. Hydraulic pressure
 - C. Cover plate
 - D. Adhesive bonding

4. What is the significance of the free fall test in valve body service?
 - A. It measures the fluid pressure resistance.
 - B. It checks for the free movement of valves.
 - C. It tests the durability of the valve body.
 - D. It evaluates the sealing capability of valves.

5. What should be done if a valve shows excessive movement in its bore?
 - A. Replace the valve
 - B. Apply lubricant
 - C. Tighten the retaining screws
 - D. Ignore, as it is normal

6. Which component is crucial for checking during valve body reassembly?
 - A. Electrical connectors
 - B. Gaskets
 - C. Bolts
 - D. Springs

7. What is a key sign of varnish buildup on valves and bores?
 - A. Dark black coating
 - B. Greenish tint
 - C. Reddish residue
 - D. Light brown or golden brown coating

8. What is the typical resistance range for a solenoid coil in good condition?

- A. 5 to 15 Ω
- B. 20 to 40 Ω
- C. 45 to 60 Ω
- D. 70 to 85 Ω

9. What is the consequence of a sticking TCC solenoid in a transmission?

- A. Increased fuel efficiency
- B. Louder engine noise
- C. Stalling when shifted to drive
- D. Faster gear shifting

10. What is the recommended action if solenoids are considered "wear items" and the transmission has problems after significant mileage?

- A. Clean and reinstall
- B. Test and recalibrate
- C. Automatic replacement
- D. Manual adjustment

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Answer Key

1. A

2. B

3. C

4. B

5. A

6. D

7. D

8. B

9. C

10. C