

Name: _____

Date: _____

1. What is the primary cause of varnish buildup on valves and bores in a valve body?
 - A. Overheated ATF
 - B. Excessive use of solenoids
 - C. Low-quality transmission fluid
 - D. Frequent shifting

2. During valve body service, what is the significance of the 'free fall test'?
 - A. To check the fluid pressure in the valve body
 - B. To test the durability of the valve body
 - C. To assess the movement of steel valves in their bore
 - D. To evaluate the electrical connectivity of solenoids

3. What is a common method used to retain valves in a valve body?
 - A. Magnetic force
 - B. Hydraulic pressure
 - C. Cover plates or plugs/sleeves
 - D. Adhesive bonding

4. Why is it important to avoid magnetizing check balls in a valve body?
 - A. They can corrode easily
 - B. They lose their spherical shape
 - C. They can cause electrical interference
 - D. They may stick to the separator plate and not move freely

5. What is a key step in the reassembly of a valve body?
 - A. Lubricating the valves with grease
 - B. Ensuring all check balls and filter screens are correctly placed
 - C. Applying a sealant to the valve body
 - D. Testing the valve body under high pressure

6. What should be checked when inspecting aluminum valves and valve bodies for wear?
 - A. Electrical resistance
 - B. Color changes due to heat exposure
 - C. Weight consistency of the valves
 - D. Vertical movement of the valve in the bore

7. What is the purpose of using a reamer in valve body repair kits?
 - A. To restore the bore to the correct size for a new valve
 - B. To clean the valve body surface
 - C. To tighten the valve body screws
 - D. To measure the depth of the valve bores

8. What is a critical caution when testing the mechanical operation of solenoids in a valve body?

- A. Avoiding exposure to high temperatures
- B. Checking for metal particle contamination
- C. Ensuring the solenoids are dry
- D. Testing only with specific types of transmission fluid

9. In valve body service, why is it important to dip each valve in ATF before installation?

- A. To clean the valve surface
- B. To test the valve's compatibility with ATF
- C. To ensure smooth movement in its bore
- D. To check for leaks in the valve

10. What is a common symptom of a valve body with worn valves?

- A. Increased transmission noise
- B. Delayed gear shifting
- C. Transmission fluid leakage
- D. Overheating of the transmission

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Chapter 18

Multiple Choice Quiz A

Answer Key

1. A

2. C

3. C

4. D

5. B

6. D

7. A

8. B

9. C

10. B