

Manual Drivetrains and Axles 9th Edition

Chapter 8

Multiple Choice Quiz A

Name: _____ Date: _____

1. What is the recommended first step when cleaning transmission parts?
 - A. Check the debris on the magnet in the case
 - B. Wash with safety solvent
 - C. Dry with compressed air
 - D. Run through a hot-water washer

2. What should technicians do before disassembling a part?
 - A. Consult service information
 - B. Take a photo of the part
 - C. Mark the alignment
 - D. Clean the part

3. When checking fluid level in a manual transmission, what should be done first?
 - A. Open the drain plug
 - B. Check the fluid type and viscosity
 - C. Consult service information for procedures
 - D. Warm up the transmission

4. How should a bearing be checked for roughness?
 - A. By applying load
 - B. By spinning it with compressed air
 - C. By rotating it and feeling for irregularities
 - D. By measuring its clearance

5. Where should the force be applied when installing a bearing over a shaft?
 - A. On the outer race
 - B. On the inner race
 - C. Evenly distributed over the entire bearing
 - D. On the cage

6. How is preload typically measured in a shaft?
 - A. With a torque wrench
 - B. Using a dial indicator
 - C. With a spring scale
 - D. By feel

7. What indicates material worn off a bearing or gear in a transmission?
 - A. Large, irregular-shaped particles
 - B. Small, fine, sand-like particles
 - C. Clear fluid with no particles
 - D. Metallic shavings

8. What is the recommended action for a bearing that spins during cleaning?

- A. Lubricate immediately
- B. Check for misalignment
- C. Replace the bearing
- D. Dry thoroughly before inspection

9. What is the purpose of a visual inspection in manual transmission diagnosis?

- A. To identify external leaks
- B. To check for wear in shift forks
- C. To confirm the customer's concern
- D. To evaluate the condition of the clutch

10. What symptom could indicate worn shift forks in a manual transmission?

- A. Grinding noise during shifting
- B. Difficulty in engaging gears
- C. Fluid leakage
- D. Overheating

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Answer Key

1. A

2. B

3. C

4. C

5. B

6. A

7. B

8. C

9. C

10. B