

Manual Drivetrains and Axles 9th Edition

Chapter 8

Multiple Choice Quiz B

Name: _____ Date: _____

1. When should the clutch pedal be checked for proper operation?
 - A. During every service
 - B. Only if there is a shifting problem
 - C. After transmission repair
 - D. When replacing the clutch

2. What is the typical cause of 'rust dust' found during a visual inspection?
 - A. Excessive moisture
 - B. Worn components
 - C. Poor lubrication
 - D. Overheating

3. What is a common issue caused by driver abuse in manual transmissions?
 - A. Fluid contamination
 - B. Clutch slippage
 - C. Premature wear of gears
 - D. Misalignment

4. Which type of bearing damage is characterized by flaking away of particles from the race?
 - A. Brinelling
 - B. Spalling
 - C. Fretting
 - D. Seizing

5. What should be done when a visual inspection reveals misalignment in a transmission?
 - A. Replace the bearings
 - B. Adjust the linkage
 - C. Align the shafts
 - D. Disassemble for further inspection

6. What is indicated by a diagonal polish on a stationary race of a bearing?
 - A. Electric arcing
 - B. Contamination
 - C. Misalignment
 - D. Overloading

7. How should preload cause a shaft to behave?
 - A. It should have no effect
 - B. It should cause a slight drag
 - C. It should increase the shaft's play
 - D. It should lock the shaft in place

8. What is the purpose of a static shift test?
- A. To check the transmission under load
 - B. To assess the clutch engagement
 - C. To evaluate gear shifting without engine running
 - D. To measure transmission fluid temperature
9. What is the significance of the term 'Formed-in-place gaskets (FIPG)' in manual transmission servicing?
- A. A technique for gasket alignment
 - B. A method for creating custom gaskets
 - C. A type of synthetic gasket material
 - D. A process for curing gasket sealant
10. What is typically the cause of 'Peeling' damage on a bearing race?
- A. Corrosion
 - B. High temperature
 - C. Excessive load
 - D. Light scraping of the surface

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Answer Key

1. A

2. B

3. C

4. B

5. D

6. C

7. B

8. C

9. B

10. D