

Name: _____ Date: _____

1. In the diagnostic procedure for four-wheel-drive problems, what follows after checking for stored DTCs and TSBs?

- A. Repairing the identified issues
- B. Checking scan tool data for sensor values
- C. Performing a road test
- D. Checking fluid levels

2. What is the typical role of a transfer case in a four-wheel-drive system?

- A. To regulate fuel consumption
- B. To manage the vehicle's suspension system
- C. To control power flow to the axles
- D. To monitor the vehicle's speed

3. Why is the fluid level checked in both the transfer case and the automatic transmission when the transfer case fluid is low?

- A. Both systems use the same fluid reservoir
- B. The fluids may mix due to a leaking double-lip seal
- C. Both systems require simultaneous maintenance
- D. It is a standard procedure for all four-wheel-drive vehicles

4. What type of scan tool is not suitable for diagnosing transfer case faults?

- A. Global (generic) scan tool
- B. Factory scan tool
- C. Enhanced aftermarket scan tool
- D. Master Tech

5. What condition can cause transfer case binding or driveline windup?

- A. Driving an AWD vehicle on dry pavement
- B. Using unequal tire sizes on a full-time four-wheel-drive vehicle
- C. Driving a part-time four-wheel-drive vehicle on dirt, mud, or snow
- D. Driving a four-wheel-drive vehicle in two-wheel drive

6. What kind of switch is most commonly used in electronic transfer case controls?

- A. On/off switch
- B. Serial data switch
- C. Multiplex switch
- D. Relay switch

7. What happens if a transfer case is placed into neutral while the automatic transmission is in park?

- A. The vehicle can be towed
- B. The vehicle will be able to roll
- C. The transfer case will lock up if the transmission is in park
- D. Both A and B

8. What is a common sign of worn steel parts such as U-joints in four-wheel-drive systems?

- A. "Rust dust" accumulation
- B. Excessive fluid leaks
- C. Unusual noise during operation
- D. Vibrations while driving

9. What type of fault is indicated by a C0376 diagnostic trouble code?

- A. Front and rear propeller shaft speeds greater than 20% difference
- B. Encoder feed circuit fault
- C. Motor A/B circuit, short to voltage
- D. Lock solenoid circuit, open circuit

10. What is typically the last step in the diagnostic process for four-wheel-drive problems?

- A. Perform the needed repair
- B. Verify the repair
- C. Check electrical components
- D. Follow service information pinpoint tests

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Chapter 16

Multiple Choice Quiz B

Answer Key

1. B

2. C

3. B

4. A

5. B

6. C

7. D

8. A

9. A

10. B