

Automatic Transmissions and Transaxles 8th Edition

Chapter 13

Multiple Choice Quiz A

Name: _____ Date: _____

1. What is the primary function of the Transmission Control Module (TCM) in a CVT system?
 - A. To control the vehicle's braking system
 - B. To adjust the transmission's drive ratio
 - C. To monitor the engine's fuel consumption
 - D. To regulate the vehicle's speed

2. What role does the stepper motor play in a CVT?
 - A. It controls the hydraulic ratio valve
 - B. It monitors the transmission fluid temperature
 - C. It regulates the engine RPM
 - D. It adjusts the vehicle's speed

3. How do the primary and secondary pulleys in a CVT work together to change the drive ratio?
 - A. By adjusting the belt tension
 - B. By altering the transmission fluid pressure
 - C. By changing their width and effective diameter
 - D. By varying the engine's power output

4. What is the 'rubber band effect' in the context of CVTs?
 - A. The use of a rubber band to apply clutches inside a CVT
 - B. A slang term for the variator pulleys
 - C. The vehicle speed slowly catching up to the engine speed
 - D. The use of a large rubber band in a CVT

5. What is the difference between a push belt and a pull chain in CVTs?
 - A. A push belt is made of metal, while a pull chain is made of rubber
 - B. A push belt uses wedge-shaped segments, while a pull chain uses links and pins
 - C. A push belt is more efficient than a pull chain
 - D. A pull chain is only used in heavy-duty vehicles

6. What is the mainline pressure range in a CVT?
 - A. Below 500 PSI
 - B. 500 to 750 PSI
 - C. 750 to 900 PSI
 - D. Over 900 PSI

7. What type of fluid is generally recommended for use in a CVT?
 - A. Dexron VI ATF
 - B. Mercon V or Dexron VI
 - C. Any multi-vehicle fluid
 - D. Specific CVT fluid

8. Which diagnostic trouble code is associated with a transmission-related fault in a CVT?

- A. P0776
- B. P0300
- C. P0440
- D. P0172

9. What is a key input to the Transmission Control Module (TCM) in a CVT system?

- A. Accelerator pedal position
- B. Primary pressure sensor (PPS)
- C. Vehicle speed
- D. Brake switch

10. What is the typical procedure for 'start clutch calibration' in a CVT system?

- A. Adjusting the transmission fluid level
- B. Performing a series of gear shifts
- C. Replacing the start clutch
- D. Resetting the TCM

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Answer Key

1. B

2. A

3. C

4. C

5. B

6. C

7. D

8. A

9. A

10. B