

Automatic Transmissions and Transaxles 8th Edition

Chapter 11

Multiple Choice Quiz A

Name: _____ Date: _____

1. What gearsets does the GM 8-speed transmission have?
 - A. Spur gearsets
 - B. Four planetary gearsets
 - C. Two helical gearsets
 - D. Sun gearsets

2. What type of pump is used in the GM 8-speed transmission?
 - A. A gerotor pump
 - B. Dual-chamber vane pump
 - C. Gear pump
 - D. Electric pump

3. In the GM 8-speed transmission, what drives the pump?
 - A. The first gear clutch disc
 - B. The forward clutch drum
 - C. The input shaft
 - D. A chain

4. How is the ZF 8HP transmission adapted for use in a hybrid vehicle?
 - A. The torque converter is driven by an electric motor
 - B. Clutches are replaced with strong magnets
 - C. An electric motor replaces the torque converter
 - D. None of these

5. What is required when flushing the GM 8-speed Transmission?
 - A. Scan tool
 - B. Dexron VI
 - C. Pressure gauge set
 - D. Flushing Machine

6. How does the GM/Ford 9-speed transmission maintain pressure during stop-start operation??
 - A. An electric pump is used
 - B. A spring-loaded accumulator
 - C. Vacuum chambers
 - D. Pressure is not maintained during stop-start operation

7. What is the ratio of 9th gear in a GM/Ford 10-speed transmission?
 - A. 0.689:1
 - B. 0.853:1
 - C. 1.000:1
 - D. 1.2488:1

8. In the GM/Ford 9-speed transaxle, how many solenoids are used ?

- A. 12
- B. 8
- C. 7
- D. 4

9. Which speed sensor in the GM/Ford 10-speed transmission monitors a reluctor ring with 40 magnets?

- A. Intermediate Speed Sensor 1
- B. Intermediate Speed Sensor 2
- C. Input Speed Sensor
- D. Output Speed Sensor

10. What is the direct drive gear in the GM 9-speed Transaxle?

- A. 4th
- B. 6th
- C. 7th
- D. 8th

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Answer Key

1. B

2. B

3. D

4. C

5. D

6. B

7. A

8. A

9. C

10. C