

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

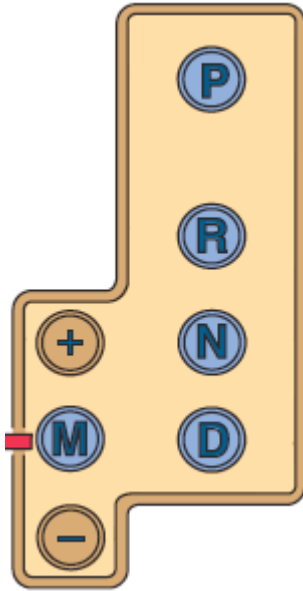
- 1) The transmission pressure switches are located on the \_\_\_\_\_. 1) \_\_\_\_\_  
A) Throttle cable  
B) Throttle body  
C) Valve body  
D) Transmission case
- 2) If the solenoids fail in a transmission with electronic shift controls, the transmission will \_\_\_\_\_. 2) \_\_\_\_\_  
A) Be ruined if the car is driven  
B) Not have any forward gears  
C) Operate in reverse only  
D) Operate in only one gear
- 3) Refer to this chart. What gear will be selected if both shift solenoids fail? 3) \_\_\_\_\_

| <b>GENERAL MOTORS 4L80-E (REAR-WHEEL-DRIVE TRANSMISSION)</b> |                   |                   |
|--|-------------------|-------------------|
| <b>Gear Range</b>  | <b>Solenoid A</b> | <b>Solenoid B</b> |
| <b>First gear</b>  | <b>ON</b>         | <b>OFF</b>        |
| <b>Second gear</b>   | <b>OFF</b>        | <b>OFF</b>        |
| <b>Third gear</b>  | <b>OFF</b>        | <b>ON</b>         |
| <b>Fourth gear</b>   | <b>ON</b>         | <b>ON</b>         |

- A) First  
B) Second  
C) Third  
D) Fourth

4) What is the function of the "M" position on this shift selector?

4) \_\_\_\_\_



- A) Allows motor stop /start
- B) Selects forward or reverse motion
- C) Allows manual up and down shifting
- D) Allows the driver to slowly move the vehicle forward and backwards

5) Technician A says that electronic transmissions may control shifts by applying shift solenoid output directly to the bands and clutches. Technician B says that electronic transmissions may control shifts by directing the shift solenoid output pressure to the shift valves. Which technician is correct?

5) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

6) When the brake pedal is pressed the brake switch causes the TCM to release the \_\_\_\_\_.

6) \_\_\_\_\_

- A) Torque converter clutch
- B) Front band
- C) One-way clutch
- D) Front clutch

7) What type of component converts electrical signals into mechanical action?

7) \_\_\_\_\_

- A) Actuator
- B) Sensor
- C) Processing module
- D) None of these

8) What type of sensor is the transmission fluid temperature (TFT) sensor?

8) \_\_\_\_\_

- A) Negative temperature coefficient (NTC) thermistor
- B) Potentiometer
- C) Rheostat
- D) Transducer

9) A transmission oil temperature (TOT) sensor is a \_\_\_\_\_.

9) \_\_\_\_\_

- A) Potentiometer
- B) Thermistor
- C) Switch
- D) Voltage generator

10) Which of these is NOT a sensor type used on an electronically controlled transmission?

10) \_\_\_\_\_

- A) Frequency generator
- B) Potentiometer
- C) Thermistor
- D) Vacuum sensor

## Answer Key

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1) C

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2) D

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3) B

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4) C

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5) B

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6) A

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7) A

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8) A

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9) B

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10) D

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