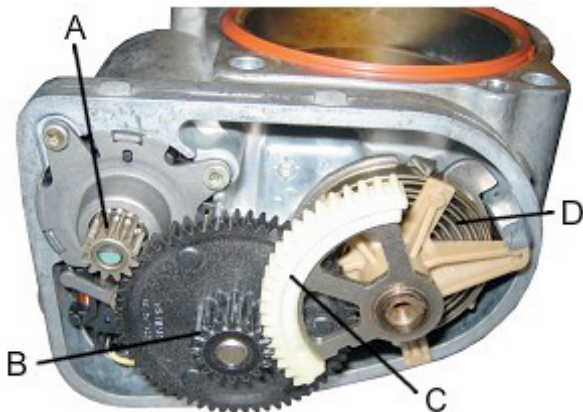


Name _____

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

- 1) The actuator motor is controlled by the PCM through what type of circuit? 1) _____
- A) Series
 - B) Parallel
 - C) H-bridge
 - D) Series-Parallel

- 2) Which gear in this photograph is the drive (motor) gear? 2) _____

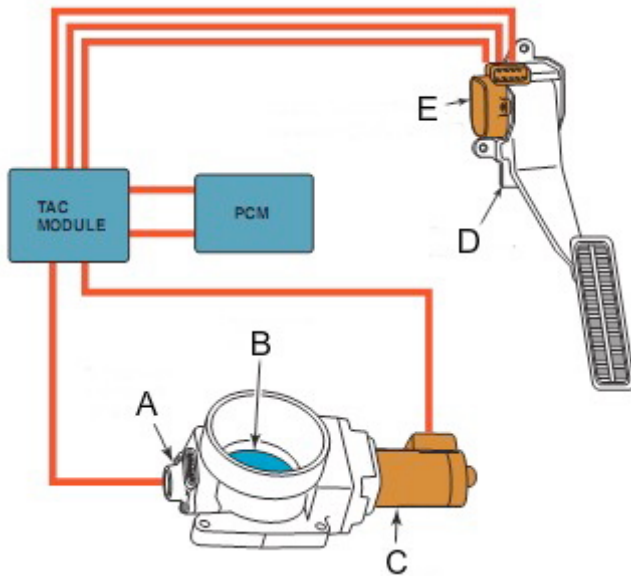


- A) A
- B) B
- C) C
- D) D

- 3) With the ignition off and the key out of the ignition, what should happen if a technician uses a screwdriver to push on the throttle plate in an attempt to open the valve? 3) _____
- A) Nothing. The throttle should be kept from moving by the motor, which is not energized with the key off
 - B) The throttle should move and stay where it is moved and not go back unless moved back
 - C) The throttle should move, and then spring back to the home position when released
 - D) The throttle should move closed, but not open further than the default position

4) Identify the throttle position sensor assembly in this diagram.

4) _____



- A) A
- B) E
- C) C
- D) D

5) A technician is checking the operation of the electronic throttle control system by depressing the accelerator pedal with the ignition in the on (run) position (engine off). What is the most likely result if the system is functioning correctly?

5) _____

- A) The throttle goes to wide open when the accelerator pedal is depressed all the way
- B) No throttle movement
- C) The throttle will open partially but not all the way
- D) The throttle will perform a self test by closing and then opening to the default position

6) The throttle body may be cleaned (if recommended by the vehicle manufacturer) if what conditions are occurring?

6) _____

- A) Coast-down stall
- B) Rough idle
- C) Lower-than-normal idle speed
- D) Any of the above

7) When does the PCM perform a self test of the ETC system?

7) _____

- A) During cruise speed when the throttle is steady
- B) During deceleration
- C) During acceleration
- D) When the ignition switch is first rotated to the on position, before the engine starts

8) Electronic throttle control systems provide a backup system for the cruise control actuator.

8) _____

- A) True
- B) False

9) The throttle plate is spring loaded to hold the throttle slightly open how far? 9) _____
A) 3% to 5%
B) 8% to 10%
C) 16% to 20%
D) 22% to 28%

10) When the ignition is first turned on a click noise is heard from under the hood of a vehicle 10) _____
equipped with ETC. Technician A says that this is the normal operation of the ETC self-test.
Technician B says that the TAC motor should not move unless the engine is running. Which
technician is correct?
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

Answer Key

Testname: ENGINEPERF5_29B

- 1) C
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- 2) A
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- 3) C
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- 4) A
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- 5) B
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- 6) D
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- 7) D
Page Ref: 447
- 8) B
Page Ref: 444
- 9) C
Page Ref: 445
- 10) A
Page Ref: 447