

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Describe the function of the EPS electronic control unit (ECU) in electric power steering systems and how it determines the amount of assist needed.

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2. Explain the role of the steering torque sensor in an EPS system and how it interacts with the ECU.

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3. What are the components of the EHPS power pack in the electrohydraulic power steering system used on the Chevrolet Silverado mild hybrid truck?

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4. How does the power steering control module (PSCM) vary the amperage to the assist motor in an EPS system?

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5. What is the function of detection rings in a column-mounted EPS system, and how do they contribute to the system's operation?

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6. In the context of electric power steering systems, what is the significance of the 60 ampere fuse shown in Figure 118–10, and what can cause it to blow?

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7. How do self-parking systems utilize electric power steering to steer the vehicle, and what sensors are involved in this process?

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8. What diagnostic equipment is typically necessary to diagnose faults or relearn the electric power steering system?

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9. What is the relationship between the power steering control module (PSCM) and the powertrain control module (PCM) in an EPS system?

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10. Describe a scenario where the self-parking system might be disabled due to a sensor fault and how a driver's actions can affect the system's operation.

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