

# Automotive Technology 7<sup>th</sup> Edition

## Chapter 118 – Electric Power Steering

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Electric Power Steering Overview, and EPS System Parts and Operation
  2. Power Steering Control Module (PSCM), EPS Diagnosis, and Self-Parking System
  3. Electrohydraulic Power Steering
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#### **OBJECTIVES:**

1. Describe the purpose, function, and types of electric power steering systems.
  2. Discuss electric power steering parts and operation.
  3. Discuss the power steering control module.
  4. Discuss the diagnosis of electric power steering system faults.
  5. Describe the self-parking feature and its relationship to power steering.
  6. Describe electrohydraulic power steering.
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#### **RESOURCES:** (All resources may be found at jameshalderman.com)

1. Task Sheet: Electronically Controlled Steering Systems
  2. Task Sheet: HEV Power Steering Circuits Services
  3. Crossword Puzzle and Word Search
  4. Chapter PowerPoint
  5. Videos: [\(A4\) Suspension and Steering Videos](#)
  6. Animations: [\(A4\) Suspension and Steering Animations](#)
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#### **ACTIVITIES:**

1. Task Sheet: Electronically Controlled Steering Systems
  2. Task Sheet: HEV Power Steering Circuits Services
  3. Crossword Puzzle and Word Search
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#### **ASSIGNMENTS:**

1. Chapter crossword and word search puzzles from the website.
  2. Complete end of chapter quiz from the textbook.
  3. Complete multiple choice and short answer quizzes downloaded from the website.
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#### **CLASS DISCUSSION:**

1. Review and group discussion chapter [Frequently Asked Questions](#) and [Tech Tips](#) sections.
  2. Review and group discussion of the five (5) chapter [Review Questions](#).
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#### **NOTES AND EVALUATION:**

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