

Automotive Electrical and Engine Performance - 9th edition

Ch37: Electronic Throttle Control Systems

Lesson Plan



CHAPTER SUMMARY:

1. Electronic Throttle Control (ETC) System, Normal Operation of the ETC System, and APP Sensor
 2. Throttle Body Assembly, Throttle Position (TP) Sensor, and Diagnosis of the ETC System
 3. Servicing Electronic Throttle Systems
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OBJECTIVES:

1. Describe electronic throttle control systems.
 2. Explain how an electronic throttle control system works.
 3. Describe the APP sensor.
 4. Describe the throttle body assembly.
 5. Describe TP sensors.
 6. Describe how to diagnose faults in an electronic throttle control system.
 7. Explain how to service an electronic throttle system.
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RESOURCES: (All resources may be found at jameshalderman.com)

1. Task Sheet: Electronic Throttle Control System ID
 2. Crossword Puzzle and Word Search
 3. Videos: (A8) Engine Performance Videos
 4. Animations: (A8) Engine Performance Animations
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ACTIVITIES:

1. Task Sheet: Electronic Throttle Control System ID
 2. Chapter PowerPoint
 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. Ten (10) question end of [Chapter Quiz](#).
 3. Five (5) end of chapter [Review Question](#) for class discussion.
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NOTES AND EVALUATION:
