**Automotive Technology 6th Edition**

**Chapter 75 –** **Throttle Position (TP) Sensors**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Throttle position sensor construction and TP sensor computer input functions

2. PCM uses for the TP sensor and testing the throttle position sensor

3. Testing a TP sensor using the MIN/MAX function and testing the TP sensor using a scan tool

4. TP sensor diagnostic trouble codes

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**OBJECTIVES:**

1. Discuss how throttle position sensors work. Discuss the PCM uses for the TP sensor.

2. Describe how to test the TP sensor using a digital multimeter and a scan tool.

3. This chapter will help prepare for Engine Repair (A8) ASE certification test content area “E” (Computerized Engine Controls Diagnosis and Repair).

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**RESOURCES:** (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.

**1.** **Task Sheet ASE (A8-A-9) P-2**: Throttle Position Sensor Scope Test

2. Chapter PowerPoint

3. Chapter Crossword Puzzle and Word Search

4. Videos: [(A8) Engine Performance Videos](https://jameshalderman.com/a8_vid_lib_page/)

5. Animations: [(A8) Engine Performance Animations](https://jameshalderman.com/a8_anim_lib_page/)

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**ACTIVITIES:**

**1.** **Task Sheet** **ASE(A8-A-9) P-2:** Have students complete Throttle Position Sensor Scope Test

Task Sheet.

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**ASSIGNMENTS:**

1. Chapter crossword and word search puzzles.

2. Complete end of chapter 10 question quiz.

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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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