

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](#)
 5. Animations: [\(A8\) Engine Performance Animations](#)
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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:
