Automotive Technology 6ᵗʰ Edition
Chapter 60 – Airbag and Pretensioner Circuits
Lesson Plan

CHAPTER SUMMARY:
1. Safety belt and retractors
2. Front airbags and airbag diagnosis tools and equipment
3. Airbag system service and driver side airbag module replacement
4. Safety when manually deploying airbags and occupant detection systems
5. Seat and side curtain airbags and event data recorders

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OBJECTIVES:
1. Explain how safety belts and retractors function.
2. Explain the operation of front airbags.
3. Describe the procedures to diagnose and repair common faults in airbag systems.
4. Explain how the passenger presence system works.
5. Describe how seat and side curtain airbags function.
6. Describe the data recorded by an event data recorder when an airbag is deployed.
7. This chapter will help prepare for the ASE Electrical/Electronic systems (A6) certification test content area "H" (Accessories 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 (A6-G-4) P-1: Airbag Diagnosis
2. **Task Sheet ASE (A6-G-4) P-1**: Disarm and Enable Airbags
3. Chapter PowerPoint
4. Chapter Crossword Puzzle and Word Search
5. Videos: (A6) Electrical/Electronic Systems Videos
6. Animations: (A6) Electrical/Electronic Systems Animations

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ACTIVITIES:
1. Task Sheet ASE (A6-G-4) P-1: Have students complete Airbag Diagnosis Task Sheet.
2. **Task Sheet ASE (A6-G-4) P-1**: Have students complete Disarm and Enable Airbags 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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