

Automotive Technology 6th Edition
Chapter 135
Automatic Transmission/Transaxle Diagnosis and In-Vehicle Service
Lesson Plan

CHAPTER SUMMARY:

1. Transmission problem diagnosis, transmission fluid leak diagnosis, and in-vehicle service
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OBJECTIVES:

1. Explain the process of diagnosing transmission problems.
 2. Discuss the procedures for performing in-vehicle service.
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.

1. Task Sheet ASE (A2-B-4) P-1: Service Automatic Transmission/Transaxle
 2. Task Sheet ASE (A2-A-3) P-1, (A2-A-4) P-1, (A2-A-5) P-1: Diagnose Fluid Loss
 3. Task Sheet ASE (A2-A-1) P-1, (A2-A-6) P-1: Pressure Test Automatic Transmission
 4. Task Sheet ASE (A2-A-8) P-2: Torque Converter Stall Test
 5. Task Sheet ASE (A2-A-9) P-3: Torque Converter Lock-Up Test
 6. Task Sheet ASE (A2-A-7) P-2: Noise and Vibration Diagnosis
 7. Task Sheet ASE (A2-A-10) P-1, (A2-A-11) P-1, (A2-B-3) P-1: Diagnose Electrical/Electronic Concerns
 8. Task Sheet ASE (A2-B-1) P-1: Inspect and Adjust Linkages
 9. Task Sheet ASE (A2-A-11) P-1: Electronic Transmission Scan Tool Diagnosis
 10. Task Sheet ASE (A2-B-5) P-2: Inspect and/or Replace Powertrain Mounts
 11. Chapter PowerPoint
 12. Chapter Crossword Puzzle and Word Search
 13. Videos: [\(A2\) Automatic Transmissions and Transaxles Videos](#)
 14. Animations: [\(A2\) Automatic Transmissions and Transaxles Animations](#)
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ACTIVITIES:

1. Task Sheet ASE (A2-B-4) P-1: Have students complete Service Automatic Transmission/Transaxle Task Sheet.
 2. Task Sheet ASE (A2-A-3) P-1, (A2-A-4) P-1, (A2-A-5) P-1: Have students complete Diagnose Fluid Loss Task Sheet.
 3. Task Sheet ASE (A2-A-1) P-1, (A2-A-6) P-1: Have students complete Pressure Test Automatic Transmission Task Sheet.
 4. Task Sheet ASE (A2-A-8) P-2: Have students complete Torque Converter Stall Test Task Sheet.
 5. Task Sheet ASE (A2-A-9) P-3: Have students complete Torque Converter Lock-Up Test Task Sheet.
 6. Task Sheet ASE (A2-A-7) P-2: Have students complete Noise and Vibration Diagnosis Task Sheet.
 7. Task Sheet ASE (A2-A-10) P-1, (A2-A-11) P-1, (A2-B-3) P-1: Have students complete Diagnose Electrical/Electronic Concerns Task Sheet.
 8. Task Sheet ASE (A2-B-1) P-1: Have students complete Inspect and Adjust Linkages Task Sheet.
 9. Task Sheet ASE (A2-A-11) P-1: Have students complete Electronic Transmission Scan Tool Diagnosis Task Sheet.
 10. Task Sheet ASE (A2-B-5) P-2: Have students complete Inspect and/or Replace Powertrain Mounts 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:
