

# Automotive Technology 6<sup>th</sup> Edition

## Chapter 126 – Clutches

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Purpose and function of a clutch and component parts and operation of a clutch assembly
  2. Clutch problem diagnosis, clutch replacement, clutch pedal adjustment, and hydraulic clutch service
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#### **OBJECTIVES:**

1. Explain the purpose, function, and operation of a clutch.
  2. Describe diagnose clutch problems and how to replace a clutch.
  3. Explain how to adjust the clutch pedal.
  4. Explain how to bleed a hydraulic clutch system
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**RESOURCES:** (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.

1. Task Sheet ASE (A3-B-1) P-1: Diagnose Clutch Concerns
  2. Task Sheet ASE(A3-B-2) P-1: Clutch Linkage Inspection
  3. Task Sheet ASE(A3-B-3) P-1: Inspect/Replace Clutch Components
  4. Task Sheet ASE (A3-B-4) P-1: Bleed Clutch Hydraulic System
  5. Task Sheet ASE (A3-B-5) P-1: Clutch Master Cylinder Fluid Level
  6. Task Sheet ASE (A3-B-6) P-1: Flywheel and Ring Gear Inspection
  7. Task Sheet ASE (A3-B-7) P-2: Flywheel Runout
  8. Task Sheet ASE (A3-B-8) P-3: Dual-Mass Flywheel
  9. Chapter PowerPoint
  10. Chapter Crossword Puzzle and Word Search
  11. Videos: [\(A3\) Manual Drive Train Axles Videos](#)
  12. Animations: [\(A3\) Manual Drive Train Axles Animations](#)
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#### **ACTIVITIES:**

1. Task Sheet ASE (A3-B-1) P-1: Have students complete Diagnose Clutch Concerns Task Sheet.
  2. Task Sheet ASE(A3-B-2) P-1: Have students complete Clutch Linkage Inspection Task Sheet.
  3. Task Sheet ASE(A3-B-3) P-1: Have students complete Inspect/Replace Clutch Components Task Sheet.
  4. Task Sheet ASE (A3-B-4) P-1: Have students complete Bleed Clutch Hydraulic System Task Sheet.
  5. Task Sheet ASE (A3-B-5) P-1: Have students complete Clutch Master Cylinder Fluid Level Task Sheet.
  6. Task Sheet ASE (A3-B-6) P-1: Have students complete Flywheel and Ring Gear Inspection Task Sheet.
  7. Task Sheet ASE (A3-B-7) P-2: Have students complete Flywheel Runout Task Sheet.
  8. Task Sheet ASE (A3-B-8) P-3: Have students complete Dual-Mass Flywheel 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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