

Print Date: 7/14/14
Course Objectives/Course Outline
Spokane Community College

Course Title: Toyota Brake Application
Prefix and Course Number: Auto 137

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Diagnose and repair brake systems
- Diagnose and repair master cylinder and hydraulic systems
- Diagnose and repair drum brakes
- Diagnose and repair disc brakes
- Diagnose and repair parking brakes
- Diagnose and repair machining brake drums and rotors
- Diagnose and repair power brake units
- Diagnose and repair antilock braking systems..

Course Outline

- I. Braking System Principles
 - A. Components
 - B. Operation
 - C. Safety
- II. Master Cylinder and Hydraulic System
 - A. Diagnosis
 - B. Service
 - C. Repair
- III. Wheel Bearings Service and Repair
- IV. Drum Brake
 - A. Operation
 - B. Diagnosis
 - C. Service
 - D. Repair
- V. Disc Brake
 - A. Operation
 - B. Diagnosis
 - C. Service
 - D. Repair
- VI. Parking Brakes
 - A. Operation
 - B. Diagnosis
 - C. Service
 - D. Repair
- VII. Machining Brake Drum and Rotors
 - A. Operation
 - B. Diagnosis
 - C. Service
 - D. Repair
- VIII. Power Brake Units
 - A. Operation
 - B. Diagnosis
 - C. Service

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- D. Repair
- IX. Antilock Braking System
 - A. Operation
 - B. Diagnosis
 - C. Service
- X. Work Repair Tickets and Billing