AUTO G003N: AUTOMOTIVE LUBE TECHNICIAN

Item	Value
Curriculum Committee Approval Date	10/03/2023
Top Code	094800 - Automotive Technology
Units	0 Total Units
Hours	48 Total Hours (Lecture Hours 16; Lab Hours 32)
Total Outside of Class Hours	0
Course Credit Status	Noncredit (N)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	Yes; Repeat Limit 3
Grading Policy	P/NP/SP Non-Credit (D)

Course Description

This noncredit course covers fundamental theories and skills required to enter the automotive workforce as an Automotive Lube Technician. Upon completion, students will learn basic automotive safety, become proficient in using published and online vehicle service information platforms, and perform vehicle service procedures outlined by periodic maintenance schedules. PREREQUISITE: AUTO G002N. Noncredit. Open Entry/Open Exit. NOT DEGREE APPLICABLE. Not Transferable.

Course Level Student Learning Outcome(s)

1. Course Outcomes
2. Demonstrate safe lifting practices outlined by manufacturerer's service information.
3. Perform multipoint vehicle inspection, identifying and documenting faulty components and systems.
4. Perform an oil maintenance service on a vehicle based on manufacturer's specifications.

Course Objectives

- 1. Use the "3 Cs" (Complaint, Cause, Correction), to document repairs and maintenance procedures on a service repair order.
- 2. Perform basic maintenance procedures associated with the course content.
- 3. Identify damaged, defective, or inoperable components while performing a comprehensive vehicle inspection as described by the course content.
- 4. Perform a tire rotation using manufacture specific procedures.

Lecture Content

Lube Technician Opportunities and Responsibilities Job description Customer service Navigating vehicle service information Lube Technican Safety Hazardous waste handling and storage Automotive lift safety Shop safety Vehicle safety Automotive Fluids Theory Under hood fluids Under car fluids Vehicle Inspections Windshield wipers Interior/exterior lighting System Tire pressure Accessory drive system Under Hood Lube Services/Inspection Check all fluids Charging system service Inspect belts and hoses Under Car Lube Services/Inspection Oil and filter change Lubricate grease fittings Manual transmission and differential fluid inspection Constant Velocity (CV) axle inspection Driveline inspection Repair Order Documentation The "3 Cs" (Complaint, Cause, Correction) Oil service reminders Documenting additional repairs California tire documentation

Lab Content

Generate a Repair Order Accurately Document the Following Information Customer information Work to be performed Completed work Concerns or additional services Parts and labor cost Locate and apply service information Perform Vehicle Interior and Exterior Inspection/Service Inspect/Service the Following Items and Identify Concerns Interior lighting check Exterior lighting check Windshield wiper inspection Tire pressure adjustment Interior component operational check Cabin air filter Perform Under Hood Inspection/Service Inspect/Service the Following Items and Identify Concerns All Under hood fluids Accessory drive system Charging system All hoses Air filter Perform Under Car Inspection/Service Inspect/Service the Following Items and Identify Concerns Oil and filter change CV Axle or driveshaft inspection/service Manual transmission and differential fluid inspection/adjustment Exhaust inspection Steering/suspension inspection Tire Rotation Tire inspection Tire sidewall information Rotation and torquing techniques

Method(s) of Instruction

- Enhanced NC Lect (NC1)
- Enhanced NC Lab (NC2)

Reading Assignments

Instructor assigned

Writing Assignments

Repair order documentation

Out-of-class Assignments

Instructor assigned reading

Demonstration of Critical Thinking

Use published service information, students will demonstrate the industry standard technique for performing automotive routine maintenance services.

Required Writing, Problem Solving, Skills Demonstration

On examination, students will identify all vehicle faults and perform all required maintenance and repairs.

Eligible Disciplines

Automotive technology: Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.