

**SLO Assessment Cycle for AUTO 60C**  
**Automotive Ignition, Fuel, and Emission Systems**

**Assessment Initiated by:** [John Walton](#) (8508) in AUTO

**Outcome 1: Statement**

Student will identify major ignition and fuel system components. Student will assess the function of an ignition system as associated with a drive symptom. Student will analyze a fuel delivery system based on diagnostic test results. Student will distinguish the cause of a drivability symptom based on the interpretation of diagnostic results. Student will differentiate the consequence of a failed emission device or system. Student will conclude a repair using the appropriate protocol.

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**Assessment Cycle Records:**

Outcome 1: Assessment Planning Modified: [09/22/2011]

**Assessment Strategy Used:**

Quarter: Spring 2011

Assessors: John Walton

Assessment Tools: Exams

Sections being assessed: 61

Outcome 1: Reflect & Enhance Modified: [09/22/2011]

**Number of people involved in Reflection and Enhancement: 2**

**Changes:**

**Methods:**

The assessment tool for Auto 60C is the final exam

**Summary:**

1. Student will identify major ignition and fuel system components.

Exam questions: 1,2,3,4,7,8,9,10,11,14,19,20,21,24,27,28,29,30,31,32,33,34,42,43

Student average 23.5%

2. Student will assess the function of an ignition system as associated with a drive symptom.

Exam questions: 38,39,43,44,45

Student average 45%

3. Student will analyze a fuel delivery system based on diagnostic test results.

Exam questions: 12,23,39,40,41

Student average 21%

4. Student will distinguish the cause of a drivability symptom based on the interpretation

of diagnostic results.

Exam questions: 13,15,17,18,35,37,38,39

Student average 48.5%

5. Student will differentiate the consequence of a failed emission device or system.

Exam questions: 5,6,18,22,25,26,35,40

Student average 42.5%

6. Student will conclude a repair using the appropriate protocol.

Exam questions: 16,40,41

Student average 58%

Total number of students: 24

Total average: 12.4%

What students needs and issues were revealed?

Students entering the automotive repair field lack basic experience

Were there any areas where the student performance was outstanding?

Students are very good with electronic media and technology

Any areas where it can be improved?

Students need to improve with understanding of combustion theory.

Did your students meet your "expectations of student proficiency or student success?

Yes, I would like to see additional competency in the area of diagnosis.

**Enhancement (Part I):**

I am increasing the use of electronic information sources such as All Data to reflect the real world repair environment.

**Enhancement (Part II):**

There is a need for updated exhaust gas analyzers, the few that we have are about 15 years old.

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[ Number of Outcomes for AUTO 60C: 1 ]