

Lovejoy Senior Lab Off-Site Learning Packet Day 4

Instructor Michael Lovejoy

Date 2019-2020

Program/Class SR AST

Period 5 -8

Activities:

Students will perform a critical thinking exercise on an engine with a lean code in the ECM.

A customer came in with a 2009 Buick lucre with a p0171 lean code in the ECM. The engine is a 3.8 liter with a mass air flow sensor mount on throttle body. The runs fine, but the light is on and they need to get E-Checked soon! Students will try to identify the cause and solutions to the problem.

Assessment:

Students will receive 10 points for this exercise.

1. Students will need to list 3 possible causes of the lean condition.

1. _____

2. _____

3. _____

2. Identify how you could check each of your possible cause's list tools, test equipment, and procedures?

1. _____

2. _____

3. _____

3. Identify how you would repair each of the possible causes on the no start condition?

1. _____

2. _____

3. _____

4. Give one example of where you can find the information that would help you diagnose and or repair this customers concern.

1. _____