



VOCATIONAL AND CAREER EDUCATION
MAY 11TH - MAY 15TH 2020

These are general Automotive Technology activities. Please make sure you are checking your BPS e-mail and Microsoft TEAMS for updates from your teachers. They will be sending you other activities that are specifically designed for your class.

Automotive Technology
60K Service

Using the website www.Motologic.com scroll to the bottom of the page to Take a Test Drive and click the **Explore a Test Car** button. Service information for a 2014 Buick Regal will appear. Using this information, answer the following questions.

1. A 2014 Buick Regal AWD with a 2.0L (LTG) engine is due for service. It currently has 60,150 miles. What maintenance services and inspections should be performed at this time?
2. How should the tires be rotated? What is the wheel torque?
3. After the wheels have been rotated and the tire pressures have been set, does anything else need to be done?
4. Which viscosity of oil is required for this engine? What is the capacity of the engine oil?
5. Are there any TSBs with information about engine oils to be used in 2014 MY vehicles? If so, which one(s)?
6. To what specification should the drain plug be torqued?
7. Describe the procedure for resetting the Oil Life System.
8. What is the cold compact tire inflation specification?
9. During the vehicle inspection, the coolant test results in a freeze protection of -20° F. What is the recommended protection of a proper 50/50 mixture?
10. The customer requests to be advised of the next transmission fluid service. At what mileage will the next transmission fluid service be due?



City of Brockton

BROCKTON PUBLIC SCHOOLS

Michael P. Thomas ♦ Superintendent of Schools

11. The brake fluid requires topping off. Which type of brake fluid is used in this vehicle?
12. The spark plug gap should be inspected on the spark plugs before they are installed. What is the recommended spark plug gap?
13. When installing the spark plugs, what is the torque specification?
14. Are there any special cautions that should be followed when servicing the spark plugs? If so, what are they?
15. Which component(s) need to be removed to gain access to the spark plugs? Does anything need to be done to them before reinstalling? Is there a torque specification for reinstallation?

After answering the above questions, save this work to your Office365 OneDrive and feel free to share it with your teacher.