**CDX Distance Learning**

**Exercise #5**

**Brake Inspection and Service**

Utilizing the website 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) recently had a master cylinder replaced. Now the brake pedal feels low and there is a DTC C027B stored in the brake control module. Are there any TSBs to explain this condition? What is the most likely cause?

Click or tap here to enter text.

1. A 2014 Buick Regal with RPO J64 is having a brake inspection performed. What is the maximum allowable runout with the brakes still assembled?

Click or tap here to enter text.

1. The front brake rotors have been measured for thickness. The left front rotor measures at 1.165″ and the right front rotor measures at 1.178″. Can these brake rotors be reused?

Click or tap here to enter text.

1. The rear brake rotors are being measured on a Buick Regal with brake option code J64. The brake rotors have been measured in multiple locations, and the largest measurement found is 0.00002″. Can the rear rotors be reused?

Click or tap here to enter text.

1. What is the torque of the bolt that secures the brake rotor to the wheel flange?

Click or tap here to enter text.

1. The front pads and rotors are being replaced on a Buick Regal with RPO J64. What is the torque of the brake caliper bolts? How many total bolts secure the front left and right calipers? Can these bolts be reused, or must they be replaced?

Click or tap here to enter text.

1. When installing the rear caliper bracket bolts, what should be applied to the bolt threads? How long until the bolts can be installed? What is the torque of the bolts?

Click or tap here to enter text.

1. What is the torque for the rear brake caliper guide pins? What tool should be used to hold the caliper pin stationary?

Click or tap here to enter text.

1. What type of brake fluid should be used to top off the fluid, if needed? What is the GM part number?

Click or tap here to enter text.

1. List the steps needed to properly burnish the new brake pads and rotors.

Click or tap here to enter text.

BONUS QUESTION

This vehicle had all four rotors removed and replaced. The front and rear disc pads were also replaced. What is the total labor charge for the brake service?

Click or tap here to enter text.