

# Lovejoy Junior Lab Off-Site Learning Packet Day 6

Instructor Michael Lovejoy

Date 2019-2020

Program/Class JR AST

Period 1 - 4

**Activities:**

1. Students will pick a car at home and write down the information on the inspection sheet order or follow the numbers to fill in blanks.

**Assessment:**

Students will receive 20 points to complete vehicle inspection form.

This lab can be done outside with assistance of an adult with a valid driver's license. The information that is going to be used for answers will be obtained without having the key in the ignition. Vehicle must be off and in park. Student must follow all Safety rules that are in the shop at school. The use of personal safety equipment should be used. Eye protection, protective clothing, shoes, and any other personal safety equipment required by manufactures when performing assignment. Student can reference owner's manual.

1. Write down customer's name.

1. \_\_\_\_\_ (2pts)

2. Year and make of vehicle this information can be obtained in driver's door jam or owner's manual.

1. \_\_\_\_\_ (2pts)

3. Students will inspect tires for wear. Use a penny to check tire depth if (4 pts)

Tread Depth	Measurement (coin)	Replace Tire?
2 millimeters 	Penny: Top of Lincoln's head	In most states 2mm is the legal minimum, and anything less than this is unsafe. Replace the tire.
4 millimeters 	Nickel: Top of Jefferson's head	Necessary for good traction in wet weather, so anything less than this is a candidate for replacement
5 millimeters	More than 4mm, less than 6mm (eyeball it — it doesn't need to be exact)	Necessary for good traction in snowy conditions, so anything less than this should not be used in snow.
6 millimeters 	Penny: Bottom of the Lincoln Memorial	For most on-road applications this is enough.

*Your Mechanic*

1. Left front \_\_\_\_\_

3. Left Rear \_\_\_\_\_

2. Right front \_\_\_\_\_

4. Right rear \_\_\_\_\_

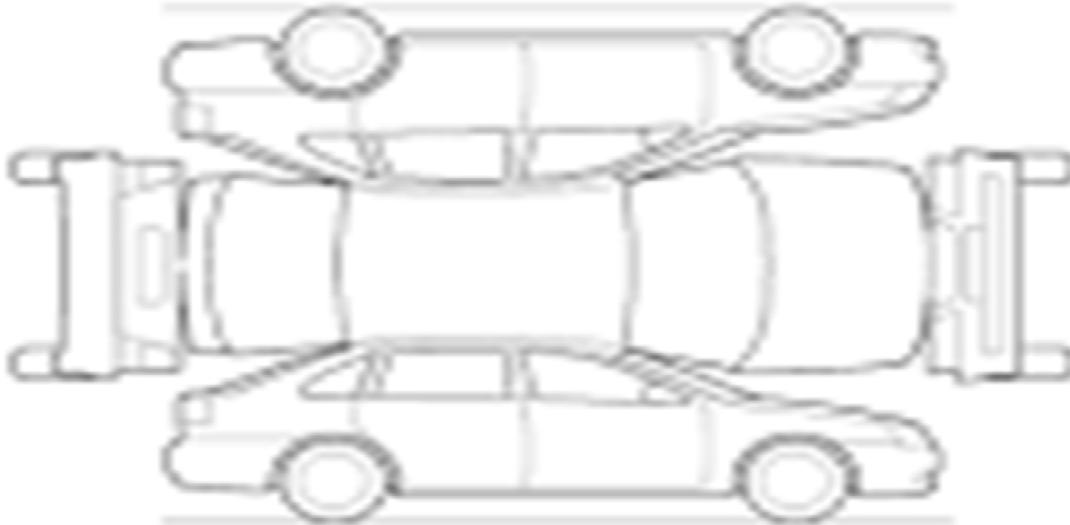
4. Student will lift hood and check oil level, check brake fluid condition, and coolant overflow container. Caution engine should be cold and not running to perform this part of inspection.(3 pts.)

1. oil level OK or Low

2. Brake fluid Color \_\_\_\_\_, Level \_\_\_\_\_

3. Coolant overflow tank OK or Low

5. Student will walk around vehicle and check for any sign of damage to body of vehicle. (6 pts)



If you cannot mark on the car just write down location of all damage.

List \_\_\_\_\_

\_\_\_\_\_

6. Student can perform visual inspection of battery? (3 pts)

1. Are terminals clean Yes or NO

2. Is the battery leaking Yes or No

3. What is the date on the battery? Is it original? What is its general appearance?