

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What are the precautions and recommendations regarding tire maintenance?

2) What is the difference between static and dynamic balance?

3) How are lateral and radial runout of wheels and tires checked?

4) What are the most commonly used tire rotation methods?

5) Why is a pin plate used on some wheels when attaching it to a balancer?

Answer Key

Testname: ASSA8_SHORT6

- 1) The precautions and recommendations regarding tire selections and maintenance include: maintaining correct tire pressures, avoiding overloading the vehicle, keeping the tires balanced and rotated regularly.
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- 2) Static balance is balancing in one plane or direction. Static balance does not account for any "wobble" or imbalance inside or outside of a tire/wheel assembly. Dynamic balance is balancing in two planes and accounts for imbalance both radially and laterally.
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- 3) Radial runout checks that the wheel and tire are round. Lateral runout checks for side-to-side movement that can cause a vibration. Both are checked with the wheels off the ground and using a dial gauge.
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- 4) The method most often recommended is the modified X method.
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- 5) A pin plate adapter that is designed to support the wheel/tire assembly on a tire balancer instead of using a centering cone. Pin plates are often specified to attach a chrome clad wheel to the tire balancers to insure an accurate balance
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