

Name _____

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

1) Why is the vehicle speed sensor used as input for many electronic suspension systems?

2) Why does the output side of the suspension air compressor contain a desiccant?

3) What is a lateral accelerometer sensor and why is it used?

4) What type of sensor is usually used on electronically controlled suspensions to sense the height of the vehicle?

Answer Key

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1) Vehicle speed and throttle position sensors are inputs to the suspension electronic control module so the suspension can be made firm during high speed operation or during rapid acceleration.

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2) A desiccant is used on the outlet of the suspension air compressor to remove water from the system, which could cause rust or an inoperative suspension system in freezing weather.

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3) A G-force sensor is used to measure cornering forces so the suspension control module can control the suspension to become firmer during rapid vehicle movements.

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4) A photo-cell-type sensor, Hall-effect or a potentiometer-type sensors are usually used to sense the height of the vehicle.

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