

Name _____

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

1) How do heated and cooled seats operate?

2) How does a rear-window defogger can regulate how much current flows through the grids based on temperature?

3) What is the usual procedure to follow to resynchronize a remote keyless entry transmitter?

4) How do power door locks on a four-door vehicle can function with only one ground wire connection?

Answer Key

Testname: AAEE_SHORT19

1) Most heated and cooled seats use a thermo electric device (TED) located under the seat cushion. These devices use the Peltier effect to create either heat or cold, depending on the polarity of the applied current.

Page Ref: 278

2) The current flow through a rear window defogger will increase if the wires are cold and increase as the wires become warmer due to normal increased activity of the electrons in the atoms of the conductor.

Page Ref: 270

3) The usual procedure to resynchronize a remote keyless entry is to press and hold both the lock and the unlock button for 10 seconds with the remote within 5 to 10 feet of the vehicle.

Page Ref: 282

4) Only one ground connection is required on power door locks because the current flows in one direction for unlock and the direction for lock through a relay. The one ground is at the relay.

Page Ref: 280