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References: Binder, SR-4 Green Book Review Section: 4-5

EPA: Review Core & Type II; Optional – Read Type I & III Sections, Watch Video

Electrical Fundamentals:

4	1/014000	:
1.	Voltage	IS:

- a. Current flow.
- b. Electrical resistance.
- c. Electrical pressure.
- d. All of the above.
- 2. Amperage is:
 - a. Current flow.
 - b. Electrical resistance.
 - c. Electrical pressure.
 - d. All of the above.
- 3. If voltage is constant but resistance increases, current will:
 - a. Increase.
 - b. Decrease.
 - c. Remain the same.
 - d. Stop.
- 4. List the (4) main electrical tests you can perform with a multimeter and an example of when you might use each test while troubleshooting:

Test Name Example

5. What is the name of the electrical test you would perform with a multimeter to verify that a component is electrically open??

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Microprocessor Fundamentals:

1.	Which part of a microprocessor controlled system looks at information from inputs and makes logical decisions about the outputs?		
2.	To diagnose a unit with an alarm code, go to section number of the SR-4 Green Book.		
3.	What are the four types of alarm codes that can be generated by an SR-4 Single temp unit as listed in the Green Book? a) b) c) d)		
4.	On an SR-4 equipped unit, how are "Pretrip Alarm" codes displayed to show that they are different from normal operation alarm codes?		
5.	. Which test mode will lock the unit into a mode of operation for 15 minutes?		
6.	Which test mode will energize individual components?		
7.	Which test mode can be used for diagnosis with the unit not running <u>or</u> running?		
8.	Which test mode can only be used with the unit not running?		
9.	Which test would you choose to verify the full operation of a unit, perhaps before putting the unit back into service?		

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10. To keep the unit running and save a load during extremely hot days, the SR-4 controller goes into Prevent mode.

What are the inputs that the controller monitors?

a) _______

b) _____

11. An SR-4 controlled unit senses a hard sensor failure of the control Discharge air temperature sensor and shifts over to the display sensor.

What codes will be shown?

b) _____

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