

Name _____

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

1) How can a tone generator be used to locate a short circuit?

2) What do the circuit numbers shown on schematics usually mean?

3) What do the terminals of a typical ISO relay mean?

4) List three methods that can be used to help locate a short circuit.

Answer Key

Testname: AAEE_SHORT7

1) A tone generator is connected to the shorted circuit and a probe is used to locate where the tone stops, indicating the location of the short circuit.

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2) Each wire in part of a circuit is labeled with the circuit number to help the service technician trace the wiring and to provide an explanation of how the circuit should work.

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3) Terminals 85 and 86 represent the coil of the relay, terminal 30 represents the power in the relay, terminal 87a is the normally closed contact, and terminal 87 is the normally open contact.

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4) A short circuit can be located by using the fuse replacement method (usually not recommended), the circuit breaker method, the test light method, the ohmmeter method, or by using a gauss gauge or electronic tone generator.

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