2009 HIGHER SCHOOL CERTIFICATE EXAMINATION

Automotive

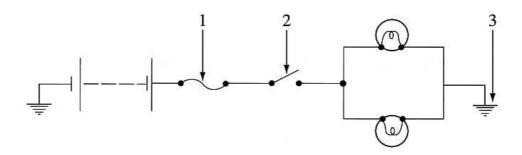
Section	II (continu	ed)

	when disconnecting or connecting an automotive battery? Because the neaghive is what completes the circult,
(b)	What does CCA refer to in an automotive battery?

Question 19 continues on page 14

Question 19 (continued)

(c) This diagram shows some components in an electrical circuit.



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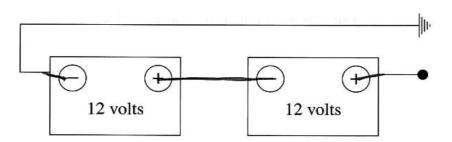
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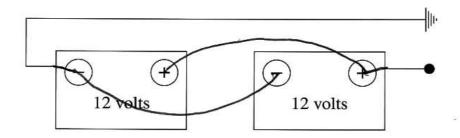
Complete the table naming and describing the function of each numbered component.

Component	Name	Function
1	Fuse	To protect against excessive currant flow
2	Switch	To open or close the circut.
3	Ground	To complete the circul

(d) In the diagram below, draw lines to show how to connect the terminals to increase battery output voltage to 24 volts.



(e) In the diagram below, draw lines to show how to connect the terminals to maintain battery output voltage at 12 volts.



End of Question 19