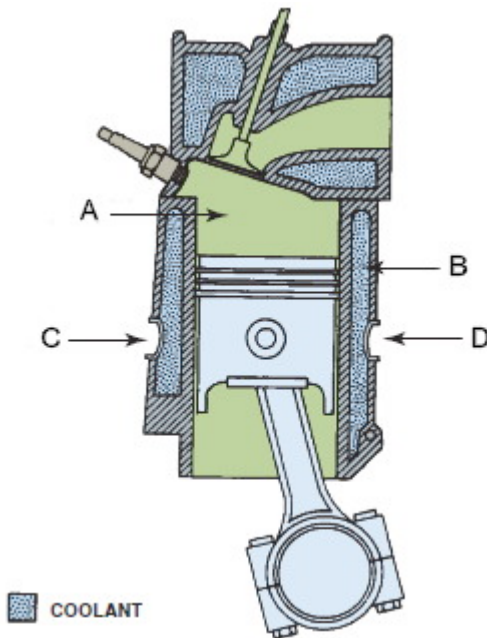


Quiz 9A

NAME _____

1. The normal operating temperature (coolant temperature) of an engine equipped with a 195°F thermostat is _____. 1. _____
- A) 175°F to 195°F
B) 185°F to 205°F
C) 195°F to 215°F
D) 175°F to 215°F

2. Which one of these areas is the water jacket? 2. _____



- A) A
B) B
C) C
D) D
3. What can be done to prevent air from getting trapped in the cooling system when the coolant is replaced? 3. _____
- A) Pour the coolant into the radiator slowly.
B) Use a coolant exchange machine that draws a vacuum on the system.
C) Open the air bleeder valves while adding coolant.
D) Either B or C
4. Electric cooling fans are typically commanded on and off by the _____. 4. _____
- A) powertrain control module (PCM)
B) thermostat
C) radiator pressure sensor (RPS)
D) cooling system delta sensor

5. The water pump uses which of these reactionary forces actions to circulate the coolant? 5. _____
A) Magnetic force
B) Gravitational force
C) Centrifugal force
D) Centripetal force
6. When checking a heater for a no-heat concern, both hoses are found to be too hot to hold. What 6. _____
could be the cause of no heat in the vehicle?
A) Bad thermostat
B) Air blend door fault
C) Worn water pump belt
D) Loose hose clamps
7. The use of a coolant exchange machine is helpful in preventing _____ from entering the 7. _____
cooling system.
A) air
B) oil
C) excessive vibrations
D) hose residue
8. Heat transfer is improved from the coolant to the air when the _____. 8. _____
A) temperature difference is great
B) temperature difference is small
C) coolant is 95% antifreeze
D) Both A and C
9. A 5 ribbed serpentine belt should be tensioned at about _____. 9. _____
A) 75 to 100 lbs.
B) 45 to 60 lbs.
C) 150 lbs.
D) None of these
10. Pressurizing the automotive cooling system results in _____. 10. _____
A) reduced engine temperature
B) reduced coolant boiling point
C) increased coolant warm up rate
D) increased coolant boiling point

Answer Key

Testname: AHAC9_9A

1. C
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2. B
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3. D
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4. A
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5. C
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6. B
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7. A
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8. A
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9. A
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10. D
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