

Automotive Heating and Air Conditioning, 9th Edition

Quiz 17A

NAME _____

1. Finding leaks using the dye method requires the use of _____.
A) sun glasses
B) an ultraviolet lamp
C) special wiping cloths
D) oil-sensing gloves
1. _____

2. Which of these topics is NOT covered in the Section 609 Certification test?
A) Environmental concerns
B) EPA regulations
C) SNAP overview
D) Heater systems
2. _____

3. What type of equipment must be approved for use by the EPA?
A) HFC-134a RRR machines
B) Recharging scales
C) Refrigerant gauge sets
D) Micron gauges
3. _____

4. Why does a technician need to be certified in order to handle refrigerants?
A) Refrigerants are explosive so training is needed.
B) It is a requirement of the Clean Air Act.
C) It is a good idea but not required.
D) Only dealers need to be certified.
4. _____

5. Technician A says that it is OK to mix refrigerants to reduce customer cost. Technician B says that if system leakage is small, adding refrigerant once a year is acceptable. Which technician is correct?
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
5. _____

6. What color is a R-134a storage tank?
A) White
B) Light blue
C) Gray
D) White with a red stripe
6. _____

7. If the shop area is cold, what can help make the recovery process go faster?
A) A large fan
B) A pre-heat procedure
C) Use two recovery machines
D) Run the blower while recovering
7. _____

8. An R-1234yf refrigeration system is found to have a leaking evaporator. What should the technician do? 8. _____
- A) Repair the leak with epoxy.
 - B) Repair the leak by welding.
 - C) Replace the evaporator with a new one.
 - D) None of these
9. Which of these refrigerants has the lowest GWP? 9. _____
- A) R-744
 - B) HFO-1234yf
 - C) CFC-12
 - D) HFC-152a
10. What indicates that all of the refrigerant has been recovered? 10. _____
- A) A 5 minute pressure rise
 - B) At least 2 minutes of a stable vacuum reading
 - C) Recovery for at least 10 minutes
 - D) A rise in vacuum of 2.0 inch Hg

Answer Key

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