

Automotive Heating and Air Conditioning, 9th Edition

Quiz 15A

NAME _____

1. Technician A says that a system should be evacuated for twice as long if the vacuum pump will only pull it down to 20"Hg. Technician B says that the system might have a leak in it if it will not pull down into a deep vacuum. Which technician is correct? 1. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

2. Most experts recommend that the system be drawn down to how many microns? 2. _____
 - A) 500 or lower
 - B) 10,000 or higher
 - C) 243
 - D) 127

3. A vacuum pump removes water from the air conditioning system by _____. 3. _____
 - A) boiling it
 - B) condensing it
 - C) mixing it with the oil
 - D) pulling it into the desiccant

4. What is the SAE specification number of an RRR machine that meets the 2006 and newer standards? 4. _____
 - A) J-2788
 - B) J-2210
 - C) J-1930
 - D) J-0560

5. A/C system flushing uses _____ to remove contaminants and oil from the system. 5. _____
 - A) a special liquid
 - B) high pressure shop air
 - C) steam
 - D) microbial fluids

6. All of the following are SAE J standards for air conditioning systems EXCEPT _____. 6. _____
 - A) J639
 - B) J1630
 - C) J2099
 - D) J2211

7. Technician A says that checking refrigerant odor (HC smell) is a reliable way to check for contaminated refrigerant. Technician B says that refrigerant with more than 2% of a foreign refrigerant normally should be sent off for reclaiming or disposal. Which technician is correct? 7. _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
8. If an A/C system contains contaminated refrigerant, how can the contaminated refrigerant be removed? 8. _____
- A) Use the R134a equipment along with a special filter.
 - B) The refrigerant cannot be removed.
 - C) Vent it to the atmosphere.
 - D) Use a separate recovery machine that is dedicated to contaminated refrigerant recovery.
9. A system has been evacuated and the gauge valves have been closed. A slight increase in pressure after a short time indicates _____. 9. _____
- A) air in the system
 - B) refrigerant in the system
 - C) a leak in the system
 - D) None of these
10. A container of recovered R134a refrigerant has a pressure of 91 psi at 80 degrees F. This indicates _____. 10. _____
- A) a normal condition
 - B) that air is in the container
 - C) that the refrigerant is contaminated
 - D) that the container is overheated

Answer Key

Testname: AHAC9_15A

1. B
Page Ref: 226
2. A
Page Ref: 225
3. A
Page Ref: 225
4. A
Page Ref: 214
5. A
Page Ref: 222
6. B
Page Ref: 214
7. B
Page Ref: 216
8. D
Page Ref: 216
9. C
Page Ref: 226
10. A
Page Ref: 221