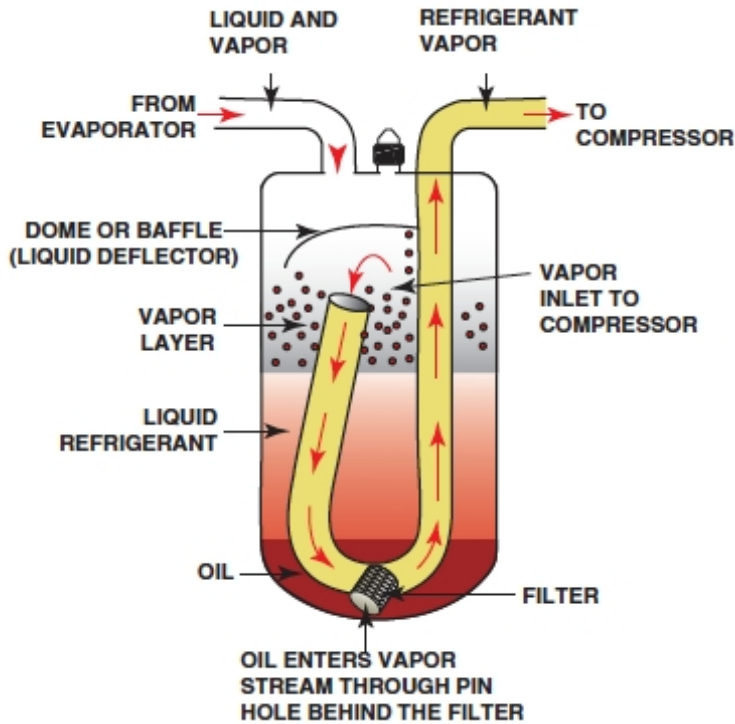


MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) Identify this component.

1) \_\_\_\_\_



- A) Refrigerant filter
- B) Receiver-drier
- C) Accumulator
- D) Compressor

2) Which system utilizes a receiver-drier?

2) \_\_\_\_\_

- A) Variable Displacement Thermostatic Expansion Valve System
- B) Variable Displacement Orifice Tube System
- C) Cycling Clutch Orifice Tube System
- D) None of the above

3) The orifice tube is usually located at the inlet tube to the \_\_\_\_\_.

3) \_\_\_\_\_

- A) Condenser
- B) Evaporator
- C) Compressor
- D) Receiver-drier

4) When a compressor is replaced, it is a good practice to also replace the \_\_\_\_\_.

4) \_\_\_\_\_

- A) TXV
- B) OT
- C) Receiver-drier or accumulator
- D) Both A and B

5) The advantages of a TXV system over an orifice tube system include \_\_\_\_\_.

5) \_\_\_\_\_

- A) Requires a smaller refrigerant charge
- B) Simpler and cheaper to produce
- C) More moving parts
- D) All of the above

- 6) Rear air-conditioning systems use \_\_\_\_\_. 6) \_\_\_\_\_
- A) A TXV to control the refrigerant flow into the front evaporator and an orifice tube with the rear evaporator
  - B) A TXV to control the refrigerant flow into the front evaporator and the rear evaporator
  - C) An orifice tube to control the refrigerant flow into the front evaporator and the rear evaporator
  - D) An orifice tube to control the refrigerant flow into the front evaporator and a TXV with the rear evaporator
- 7) Two technicians are discussing TXVs. Technician A says that the TXV senses evaporator temperature to control the valve opening. Technician B says that the TXV senses evaporator pressure to control the valve opening. Who is correct? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 8) The pressure cycling switch does which of the following? 8) \_\_\_\_\_
- A) Closes the TXV
  - B) Senses high-side pressure
  - C) Senses low-side pressure
  - D) Senses condenser temperature
- 9) As the latent heat of condensation is transferred to the airstream in the condenser, the refrigerant makes the change into a \_\_\_\_\_. 9) \_\_\_\_\_
- A) Vapor
  - B) Solid
  - C) Gas
  - D) Liquid
- 10) Two technicians are discussing orifice tubes. Technician A says the OT is always placed close to the evaporator inlet. Technician B says the OT is placed close to the condenser in some vehicles. Who is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B