

The orifice tube is a pressure control device that will spray liquid refrigerant into the evaporator. The tube also act as a filter to prevent contaminants from circulating in the system and possibly damage the compressor.

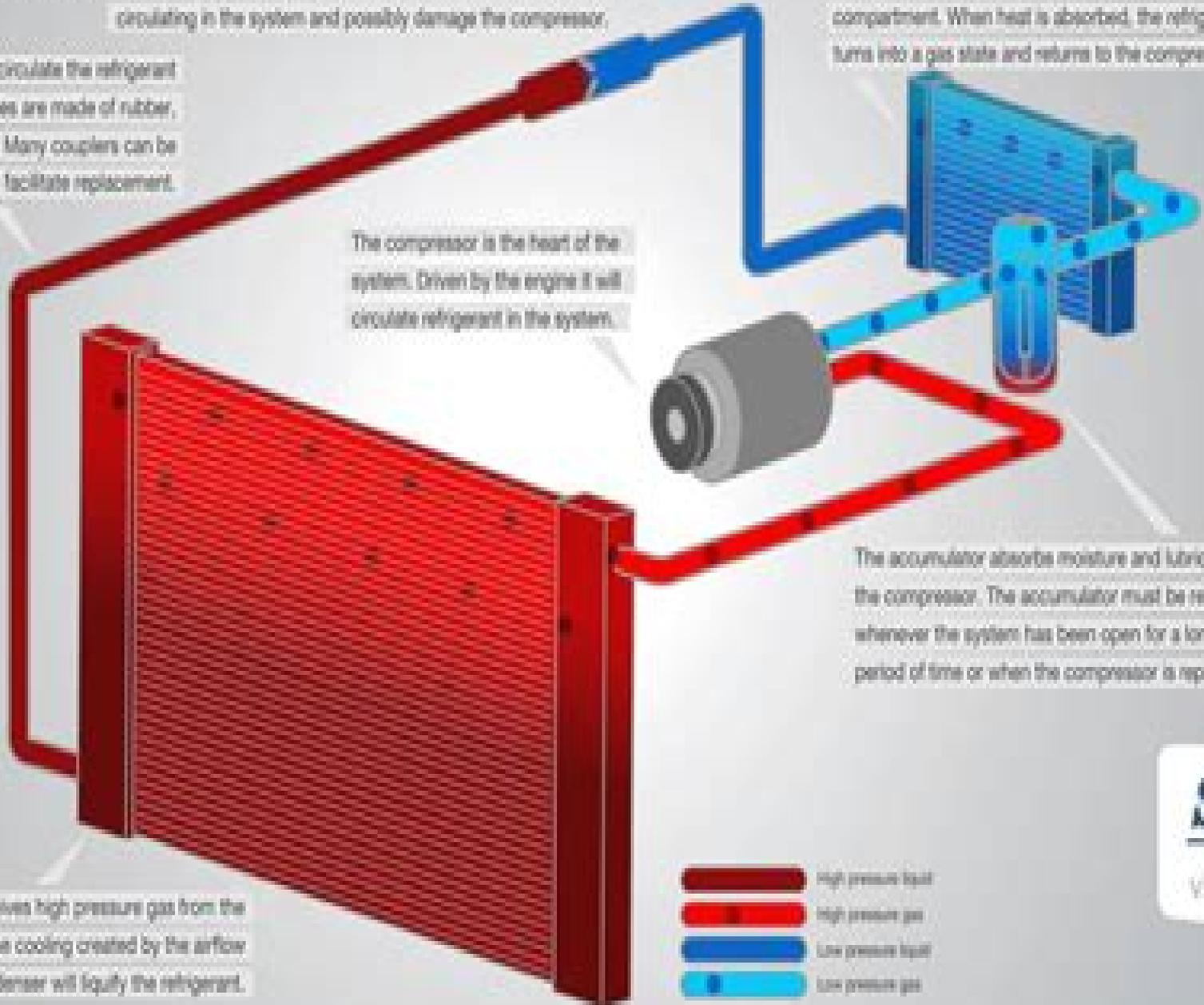
The hoses and tubes circulate the refrigerant in the system. The hoses are made of rubber, steel or aluminum. Many couplers can be found in the system to facilitate replacement.

The compressor is the heart of the system. Driven by the engine it will circulate refrigerant in the system.

The evaporator receives low pressure liquid and will absorb heat from the ambient air and cool the passenger compartment. When heat is absorbed, the refrigerant turns into a gas state and returns to the compressor.

The accumulator absorbs moisture and lubricates the compressor. The accumulator must be replaced whenever the system has been open for a long period of time or when the compressor is replaced.

The condenser receives high pressure gas from the compressor. The cooling created by the airflow across the condenser will liquify the refrigerant.



- Dark red line: high pressure liquid
- Bright red line: high pressure gas
- Blue line: low pressure liquid
- Light blue line: low pressure gas

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