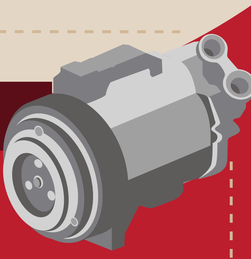
HOW DOES YOUR CAR'S A/C WORK?

THIS IS YOUR REFRIGERANT

When you turn on the A/C it makes its way to your compressor as its first stop to becoming ice cold air.

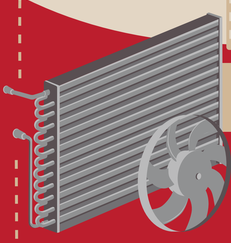
1ST STOP



THIS IS THE COMPRESSOR

The refrigerant exits from here as a hot gas under a lot of pressure.

2ND STOP

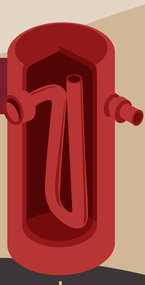


THIS IS THE CONDENSOR

The gas comes here to cool down thanks to the fan and becomes a liquid again.

The refrigerant leaves from here as a cooler liquid, but is still under a lot of pressure.

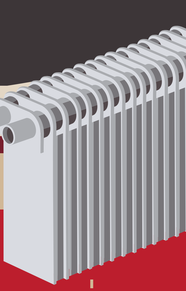
3RD STOP



THIS IS THE RECEIVER DRIER

The refrigerant enters here in its liquid form to be cleaned up in order to keep the whole system working effectively.

On the way to the 4th stop, the liquid refrigerant passes through an expansion valve, or orifice tube and becomes a colder, low pressure liquid.



4TH STOP

THIS IS THE EVAPORATOR

The refrigerant enters as a low pressure liquid and travels through here to cool down further and become a cool, low pressure gas.

LAST STOP

THIS IS THE BLOWER MOTOR

This blows out the cold air into the cabin created by the cool, low pressure gas refrigerant.

HERE WE GO AGAIN

The refrigerant stays behind to start the process all over again as long as your A/C is on.

SUN DEVIL AUTO

LEARN MORE

For more tips visit us online:
sundevilauto.com/complete-auto-repair-services/air-conditioning