

PRODUCT FOCUS

Air Conditioning System



Condenser

- The high-temperature, high-pressure refrigerant from the compressor passes through the condenser, where it is cooled and changes from a gas to a liquid.

Compressor

- It compresses the refrigerant, and sends it to the condenser under high pressure.

Cooling unit

- Includes evaporator, expansion valve and thermistor.

Receiver

- The refrigerant liquefies in the condenser and is stored in this tank for supply to the evaporator. On newer Lexus models the receiver is integrated into the condenser.

Blower unit

- Blows air into the passenger compartment.

Expansion valve

- Atomizes liquefied refrigerant as it enters the evaporator.

Cabin air filter

- Captures unwanted particles such as pollen, dust and other pollutants before they enter your vehicle's passenger compartment.

Evaporator

- Vaporizes the refrigerant which cools the evaporator. Air passing through the evaporator is cooled before entering the passenger compartment.