

# Functions of the AC System Components

The Evaporator absorbs heat from interior air due to Latent Heat of Vaporization as liquid changes to gas vapor.

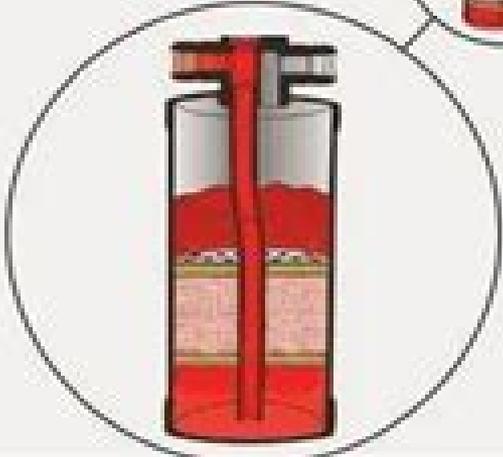


The Expansion valve regulates refrigerant flow and drops the liquid pressure. This pressure split changes the refrigerant to a very cold vaporizing liquid spray.



The Compressor is a refrigerant gas circulating pump which draws low pressure, medium temp vapor from evaporator and raises the pressure and temperature.

The Condenser dissipates heat to ambient air resulting in "Latent Heat of Condensation" from refrigerant and changes it to a high pressure liquid.



The Receiver Drier separates liquid from vapor. The Receiver Drier contains desiccant and filters to remove moisture, acid and contamination.

Compressor Safety Switch



- Binary Switch disengages the compressor clutch with excessive refrigerant pressure or low threshold pressure (loss of refrigerant)



- Trinary Switch combines Binary functions with fan engagement signal

█ High Pressure Refrigerant  
█ Low Pressure Refrigerant

# Auto Air Conditioning Repair Manual

**Editors of Haynes Manuals**



## **Auto Air Conditioning Repair Manual:**

*The Haynes Automotive Heating & Air Conditioning Systems Manual* Mike Stubblefield, John Harold Haynes, 1993

*Automotive Heating & Air Conditioning* Editors of Haynes Manuals, 2011-05-01 Written for the do it yourselfer good enough for the pro Includes everything you wish to know about your vehicles heating and air conditioning From simple adjustments to complete tune ups and troubleshooting *Mechanic's Automotive Air Conditioning Repair Manual* Paul M. Allen, 1983 *Automotive Air Conditioning Service Manual* National Automotive Service, 1970 *A Guide to Automotive Air Conditioning Systems* Steve Rendle, 2000 *Air Conditioning Repair Manual, 1992-95* Chilton Automotive Books, 1995-06-01

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## Whispering the Strategies of Language: An Emotional Journey through **Auto Air Conditioning Repair Manual**

In a digitally-driven earth where monitors reign great and immediate transmission drowns out the subtleties of language, the profound secrets and mental subtleties concealed within words often move unheard. Yet, located within the pages of **Auto Air Conditioning Repair Manual** a charming literary prize pulsing with fresh thoughts, lies an extraordinary quest waiting to be undertaken. Penned by a skilled wordsmith, this charming opus encourages viewers on an introspective journey, delicately unraveling the veiled truths and profound affect resonating within the very cloth of each and every word. Within the psychological depths of this touching review, we will embark upon a genuine exploration of the book's key themes, dissect their interesting writing design, and succumb to the effective resonance it evokes heavy within the recesses of readers' hearts.

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