

Component Procedures: Evaporator Core

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Component Procedures: Evaporator Core

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Evaporator Core	4864999AC	Evaporator Core	440.00	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Evaporator Core, R&R	B	4.0	2.0

Evaporator Coil (Article 2049929)

SYSTEM DESCRIPTION

The

evaporator

coil is located in the heater-A/C housing, under the instrument panel. The evaporator coil is positioned in the heater-A/C housing so that all air that enters the housing must pass over the fins of the evaporator before it is distributed through the system ducts and outlets. However, air passing over the evaporator coil fins will only be conditioned when the

compressor

is engaged and circulating

refrigerant

through the evaporator coil tubes.

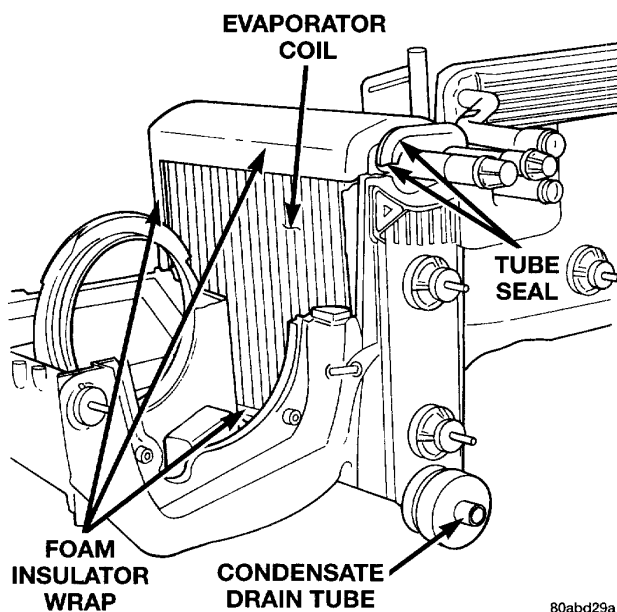
Refrigerant enters the evaporator from the

fixed orifice tube

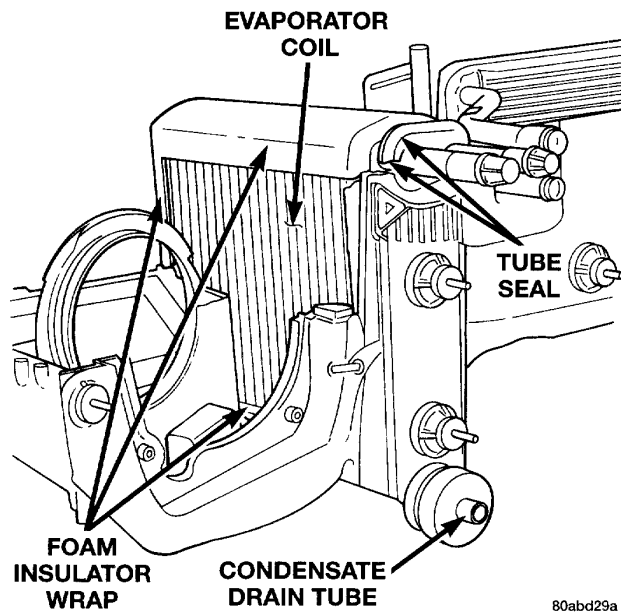
as a low-temperature, low-pressure liquid. As air flows over the fins of the evaporator, the humidity in the air condenses on the fins, and the heat from the air is absorbed by the refrigerant. Heat absorption causes the refrigerant to boil and vaporize. The refrigerant becomes a low-pressure gas when it leaves the evaporator.

The evaporator coil cannot be repaired and, if faulty or damaged, it must be replaced.

Components (itype_32)



Evaporator Core Replacement (Article 2049906)



Technician Safety Information (itype_15)

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, REFER TO RESTRAINT SYSTEMS / AIRBAG SYSTEMS BEFORE ATTEMPTING AIRBAG SYSTEMS / AIRBAG SYSTEMS DIAGNOSIS OR SERVICE. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY

All Technical Service Bulletins (itype_100)

Tsbs

- A/C - Musty Odors When Hot/Humid (24-006-06, 2006/08/10)
- A/C Evaporator - Freeze Up (24-13-99, 1999/07/02)

Customer Interest Bulletins (itype_109)

Tsbs

- A/C - Musty Odors When Hot/Humid (24-006-06, 2006/08/10)
- A/C Evaporator - Freeze Up (24-13-99, 1999/07/02)

Repair Tips (itype_110)

Tsbs

- A/C - Musty Odors When Hot/Humid (24-006-06, 2006/08/10)

Odors (itype_157)

Tsbs

- A/C - Musty Odors When Hot/Humid (24-006-06, 2006/08/10)

Poor performance (itype_162)

Tsbs

- A/C Evaporator - Freeze Up (24-13-99, 1999/07/02)

New / Updated Parts (itype_117)

Tsbs

- A/C Evaporator - Freeze Up (24-13-99, 1999/07/02)