

Refrigerant

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graph TD; R[Refrigerant] --- A[Two Main Refrigerants in Automotive Air Conditioning Systems]; R --- B[Environmental Issues]; R --- C[Transporting & Storing Refrigerants]; R --- D[Refrigerant Conversion requirements check:]; R --- E[Details recorded on an air conditioning label];
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Two Main Refrigerants in Automotive Air Conditioning Systems

- R12 – chlorine based, has a lower boiling point
- R134a -has a higher boiling point

Environmental Issues

Even though R134a is a substitute for the harmful refrigerant R12 and does not contain the ozone depleting chlorine it still contributes to global warming

Transporting & Storing Refrigerants

- Store containers in cool dry area
- Do not store near welding or steam cleaning area
- Store cylinder in a vertical position
- When transporting ensure cylinders are upright and cannot slide or touch sharp edges

Details recorded on an air conditioning label

- Name of service agent
- Date of service
- Quality of refrigerant
- Type of refrigerant
- Type of oil
- Odometer reading

Refrigerant Conversion requirements check:

- Compressor
- Condenser
- Receiver/drier
- Charging ports
- hoses