



Making learning easy

Vehicle Air Conditioning – Fundamentals

developed in co-operation with Hella

Chapter one - Fundamentals:

- Introduction
- Basic principles
- Evaporation and condensation of refrigerants
- Refrigerants
- Health and safety with refrigerants
- Expansion valve circuit
- Fixed orifice circuit

Chapter two - Main components:

- Compressor
- Condenser
- Receiver filter drier
- Thermostatic expansion valve
- Evaporator
- Fixed orifice tube
- Suction accumulator drier
- Tubes, hoses and fittings

Chapter three - Electrical components:

- Electrical components

Chapter four - Lubrication:

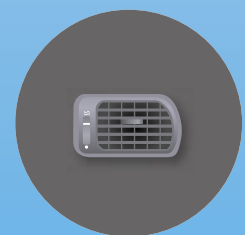
- Lubrication

Chapter five - Servicing:

- Retrofitting from R12 to R134a
- Air conditioning servicing
- Service station
- Pollen filters
- Disinfection
- Flushing
- Additional tools

Chapter six - Diagnostics:

- Leak detector
- Functional check
- Diagnostics



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