2019-2024 Ram 1500 - AC Not Blowing Cold / Recharge

2019-2024 RAM 1500 | Moderate | 30-60 minutes | $45 DIY

TOOLS

DIY AC recharge kit with gauge (correct refrigerant type) Safety glasses Gloves Cabin thermometer

PARTS

Correct refrigerant DIY kit with gauge (R-134a or R-1234yf as labeled) $45.00
AC leak detect dye (optional) $12.00

STEPS

1. **Confirm refrigerant type and symptoms - Read the under-hood A/C label (SAE J639) - it** names the refrigerant and charge weight. The 2019+ Ram 1500 (DT) uses R-1234yf with PAG 46-H oil, so buy an R-1234yf kit: R-134a fittings won’t fit. Confirm warm vents on MAX A/C with recirc,...
2. **Prep and find the low-side port - Engine OFF. The low-side port sits on the larger** suction line from the firewall evaporator to the compressor - follow it to the cap marked ’L’. The DIY hose clicks only onto that coupler; if it won’t click, stop (wrong port or refrigeran...
3. **Baseline pressure with A/C on - Start the engine: MAX A/C, coldest setting, recirc ON,** blower on high. After 2-3 minutes, connect the gauge to the low-side port and compare against your kit’s ambient-temperature chart. Near zero? Stop - an empty system needs profession...
4. **Add refrigerant in short bursts - With the system running, add refrigerant in 5-10 second** bursts with the can upright - vapor only, never inverted; liquid reaching the compressor can destroy it. Pause and re-check the gauge and vent temperature between bursts, aiming for...
5. **Stop criteria and wrap-up - Stop when low-side pressure matches the ambient chart and** center vents blow cold (high-30s to mid-40s F on MAX). Disconnect the hose and firmly reinstall the ’L’ cap - it’s the primary seal - then recheck cooling after a short drive. C...

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