2009-2011 Audi A6 - AC Not Blowing Cold / Recharge

2009-2011 Audi A6 | Moderate | 30-60 minutes | $45 DIY

TOOLS

DIY AC recharge kit with gauge for the correct refrigerant type Safety glasses and chemical-resistant gloves Cabin thermometer Flashlight and leak-inspection light

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 SAE J639 label: every 2009-2011 A6** shipped with R-134a; fittings differ by design. Confirm warm vents on MAX with recirculation. Variable-displacement compressors show no clutch click - steady pulley rotation means life. Weak...
2. **Find the low-side service port - Find the low-side port on the larger suction line -** follow the fat aluminum line to the ’L’ cap. The DIY hose only fits this coupler; never force it or use adapters to defeat the fitting sizes. Leave the ’H’ cap alone - charging the hi...
3. **Take a baseline reading - After 2-3 minutes, read the low-side gauge against your kit’s** ambient-temperature chart (~25-35 psi at 65F, ~35-40 at 70F, ~40-50 at 80F, ~45-55 at 90F). Near zero? Stop - the system needs professional evacuation, leak...
4. **Add refrigerant cautiously - System running: add refrigerant in 5-10 second bursts, can** upright - vapor only, never invert. Pause between bursts; recheck gauge and vent temp. Never vent refrigerant (illegal). Skip stop-leak cans: sealants clog the expansion valve...
5. **Stop and verify cooling - Stop when the low-side pressure is in range for the ambient** temperature and the center vents blow cold (typically high-30s to mid-40s F on MAX in moderate weather). Disconnect the hose, firmly reinstall the ’L’ cap - it is the primary seal...

TORQUE

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