# 2019-2025 Toyota RAV4 - AC Not Blowing Cold /

**2019-2025 Toyota RAV4 | 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 - Pop the hood and find the A/C specification label** (SAE J639) - usually on the radiator support, the underside of the hood, or a strut tower. It names the factory refrigerant and the charge weight. The 2019+ RAV4 (XA50 generation) uses R-12...
2. **Prep and find the low-side port - Engine OFF: trace the fat aluminum suction line to the** cap marked L - that's the low-side port. The DIY hose only clicks onto the low-side coupler; if it won't click, stop. Never force it or use adapters - charging the high side from a...
3. **Baseline pressure with A/C on - Connect the gauge to the low-side port and read against** your kit's ambient chart (generic ranges: ~25-35 psi at 65F, ~35-40 at 70F, ~40-50 at 80F, ~45-55 at 90F - your kit's chart rules).
4. **Add refrigerant in short bursts - Add refrigerant in 5-10 second bursts with the can** upright - vapor only, never invert it; liquid refrigerant entering the compressor can destroy it. Pause between bursts and re-check the gauge and vent temperature. R-1234yf is mildly f...
5. **Stop criteria and wrap-up - Disconnect the hose, firmly reinstall the 'L' cap - it's the** primary seal - and recheck cooling after a short drive. You have a leak: get a UV dye inspection (many systems ship with factory dye) or a shop leak-down test, not another ca...

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