How To Clean Air Conditioner Coils

A coil fouled with dirt and grime cannot supply proper heat transfer and results in greater energy consumption. Equipment operating with dirty coils can use up to 37% more energy than those with clean coils. Additionally, a dirty system’s cooling capacity can be reduced by as much as 30%. Dirty coils increase operating pressure and temperatures that breakdown the compressor’s lubricant and can result in equipment failure. A failed compressor means no cooling and costly repairs.

- **Cleaning AC Coils with a Brush**

If you decide to clean with a brush, there are a few things to know. Cleaning with a brush can provide you more control over the amount of pressure applied to the coils. This approach also helps you avoid harsh chemicals and liquids. For this application the GI Industries Vacuum 200 is ideally suited for this.

Start scrubbing the coils with the brush and push away any dirt that has accumulated. Brush harder in some areas that have a lot of build-up. Be mindful to avoid wire brushes or brushes with hard bristles. You don’t want to ruin the fins on your AC unit. Carefully vacuum the crud off of the fins. Use an up and down motion. **Don’t** vacuum across the fins, you’ll probably bend them.

- **Using Pressure Washers to Clean A/C or Heat Pump Coil Fins & Tubing**

GI Industries EPW 1600 is ideally suited for this task. This unit has variable pressure control (100-1450psi.) and 2.2 gpm. And can handle up to 140 degrees of hot water for quick efficient cleaning. Two multi-spray nozzle extensions, one straight and one 90° right angle. Expertly clean condenser and evaporator coils no matter where the location may be.

**Watch Out:** if you are using high pressure air, water, or steam to try to clean a coil, be sure you blow air at right-angles or straight through the coil fins. Blowing high pressure air (or water or steam) at the HVAC coil fins on an angle is likely to bend over the coil fins.

- **Repairs**

Bent fins restrict air flow, reducing efficiency and causing freezing problems. An TCM air conditioner fin comb is a quick and simple way to straighten bent fins.

A fin comb is a specialty tool used to straighten the bent fins of a condensing unit for an air conditioning or heat pump system. The TCM Air Conditioner Fin Repair Tool is designed to straighten evaporator and condenser fins. Do not force the tool or you will tear a fin and then you will have to repair or replace the radiator. If done correctly this will open up the bent areas and allow smooth air flow allowing the radiator to work at maximum efficiency.

- **Chemical Solution For Stubborn Stains**

Auto air-condition cleaner is made from American Hi-tech ingredient, contains extremely strong no proton element, specific design for cleaning air-condition inside pipe. This product is non-flammable, nonexplosive, without water, strong decontamination character. It decomposes the oily dirt and oxide of air condition, this product cleans dirt distinctly, volatiles quickly, abates burthen of air condition compressor, and reduces abrasion of machinery. This makes air-condition system run in order and get the best refrigeration effect, reduces cost of maintain and extends air condition applied life.