

HVAC 101



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LET US HELP YOU ANSWER SOME OF THE QUESTIONS YOU MIGHT HAVE WHEN ITS TIME TO CALL THE REPAIR MAN.

Why should the outside coils be cleaned?

One of the biggest problems that you'll encounter if your air conditioner is not well-maintained is dirty coils. If your air conditioner's coils are not thoroughly cleaned every year, your inside space will likely be uncomfortable and your energy bills can go through the roof! Today we're going to help you avoid this problem by talking about why dirty coils are problematic and how you can benefit from having your air conditioner's coils cleaned by Hughes!

What are your air conditioner's coils?

The outside coil, or condenser coil in the case of an air conditioning system, is the part of the system that transfers the heat that has been removed from the inside space to the outside. It also transfers the heat generated by the compressor to the outside.

Why is it important to clean your air conditioner's coils?

A fan blows outside air across the coil which causes the heat to be transferred to the air. When this air flow is restricted due to dirt buildup, the heat transfer is reduced, and the heat and corresponding pressure build up in the system. The compressor and the outside fan both use more electricity and run hotter, leading to early failures. The system's capacity is reduced which may result in insufficient cooling during the hottest conditions. Cleaning the coil with a commercial grade alkaline based coil cleaner will remove anything restricting the airflow across the coil. The coil cleaner will also remove the hardened coating of atmospheric dust that accumulates on the coil which acts as an insulator reducing the heat transferring ability of the coil. Keeping a system clean will reduce energy cost and the need for repairs and will extend the life of the system.

Cleaning air conditioner coils is a part of your annual service!

Much of your air conditioner's coils are tucked away inside of your system, and it is difficult to effectively access and clean them on your own. That's why cleaning air conditioner coils is a job that's best left to a professional service company like Hughes.

Luckily, cleaning air conditioner coils is an essential part of your annual service from Hughes! During your service, we'll remove all the dirt from your coils and ensure that your air conditioner is able to operate efficiently and effectively all summer long. By scheduling an annual service, you'll almost never have to worry about the negative effects of dirty coils!

