



To help you maintain your system and understand why you may need service or repair we have some information to help you understand the working process of your air conditioning system.

**AIR CONDITIONING:** When the temperature outside begins to climb, many people seek the cool comfort of indoor air conditioning. Because of the extreme temperatures in Texas, proper maintenance of systems is a must to help prevent costly repairs. Although some repairs may not be avoidable, others repairs can be prevented.

**WHAT IS IT:** Air conditioners come in various sizes, cooling capacities and range in different prices. Typically homes in suburban areas usually have a condenser unit in the backyard. Even though each of these machines has a pretty distinct look, they all work on the same principles.

**HOW IT WORKS:** Most people think that air conditioners lower the temperature in their homes simply by pumping cool air in. What's really happening is the warm air from your house is being removed and cycled back in as cooler air. This cycle continues until your thermostat reaches the desired temperature.

**USEFUL BENEFITS:** Air conditioners help clean your home's air as well. Most indoor units have filters that catch dust, pollen, mold spores and other allergens as well as smoke and everyday dirt found in the air. Most air conditioners also function as dehumidifiers. They take excess water from the air and use it to help cool the unit before getting rid of the water through a hose to the outside. Other units use the condensed moisture to improve efficiency by routing the cooled water back into the system to be reused. So by not changing your filters regularly can cause strain on your air conditioners.

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