REASONS TO SCHEDULE AN AC TUNEUP

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INTRODUCTION

As self-evident as it may seem, the expenses/costs associated with purchasing a central air conditioner do not end at the central air conditioner rates. Eventually, you'll incur maintenance costs and see an increase in your utility bills. Regular tuneups and maintenance are one way to keep your air conditioning bills down.

It is important to have your central air conditioning system tuned up and maintained once a year. Among the benefits of having them performed regularly on your air conditioner is a significant reduction in energy usage (up to 20 percent or more).

However, exercise caution. Not all tuneups are created equal. The genuine procedure requires approximately an hour and a half to execute. If you've ever had one completed in less than an hour, it's possible that the service provider cheated you. Avoid investing your money in these types of services since you will receive no benefit from them. There are none.

Also, if you have a contract with a utility company (regardless of how inexpensive or expensive it is), remember utility companies do not perform tuneups or maintenance. That is because doing so will cause lower utility bills and just what they do not want.

A well-tuned-up central air conditioner includes 24 points, including inspection, lubrication, calibration and cleaning. The entire system is thoroughly inspected, including every part and component, to ensure that the air conditioning system operates effectively.

Also, the entire system is thoroughly cleaned, including the outside unit. Cleaning the exterior unit entails removing the lid and removing all dirt, debris and foreign objects/matters that have made their way inside.

During a tuneup, the coil outside is also washed. The blower compartments are also extensively cleaned and vacuumed on the inside during a proper tuneup. To refresh your memory, depositing just 1/16 inch of dust on the blower wheel of your central air conditioner can diminish its effectiveness by 40% or more.

Also, there is a cooling coil, a drain pan, a duct system, and condensate drain lines on the interior. Each of these items/components should be cleansed. The simple line is that if the air conditioning system is not adequately cleaned, it will swiftly deteriorate, significantly reducing its efficiency and longevity.

Guy's Air Conditioning and Heating Services are the experts when it comes to heating and cooling and are committed to making sure your home always feels better after we leave! Nobody wants to be stuck in a home with uncomfortable indoor temperatures, and our certified technicians can be at your door right away whether you need HVAC repair, replacement, or maintenance.

We are locally owned and operated which means we care about the needs of our community and treat each of our customers like family. We understand what it's like to need HVAC repair in Texas, which is why we're the best company for the job when your air conditioner or furnace stops working.

For more information, kindly contact us on our website http://www.guysac.com or give us a call at (281) 306- 9875. Give us a call today and start feeling better instantly!

CHAPTER 1

What Is Involved in an AC Tune-Up?

Has your air conditioner been serviced recently? If you want your air conditioner to operate more efficiently, get it serviced and inspected before summer begins and again before winter begins.

By hiring a competent service crew, you can ensure that all of your heating and air conditioning needs are met. A fantastic service crew that is conscientious and has a positive reputation will resolve your air conditioning problems the first time.

Avoid costly problems by having specialists do a thorough inspection of your air conditioning system. These inspections can help you avoid costly system failures, maintain your system working efficiently and save your money.

Maintaining an efficient system is safer and contributes to daily energy savings. Not only is it important to keep your HVAC system functioning well, but it is also important to clean your ducts. Maintaining clean and well-maintained ductwork will also help your system perform more efficiently and save you money on heating and cooling expenditures.

Hiring a team of expert technicians to handle your servicing needs is important to maintaining the smooth operation of your system. It is important to maintain an effective air conditioner to avoid costly breakdowns and save money.

Therefore, when the weather heats, simply maintain your composure and contact a company with the highest reputation for providing exceptional service. They may tune up your air conditioner to prepare for the hot summer months.

There is nothing wrong with not being a do-it-yourself. True, you're unfamiliar with the difference between a Phillips and a flat-head screwdriver or the proper technique for changing your oil. Not that you lack the resources necessary to keep your home cool and comfy during all of those Say Yes to the Dress marathons.

All you need to do is grab your phone and schedule a summer tuneup with your neighborhood HVAC firm. Before the heat outside becomes unbearable, a tuneup may take care of all the responsibilities necessary to maintain an air-conditioned oasis on the inside. Here's a sampling of some jobs that won't require you to break a sweat.

Inspect all air conditioning system components: Even if you knew where to locate the condenser and evaporator fan blades, could you reasonably expect their wear and tear? For an air conditioner to perform properly and efficiently, all of its components must be functional.
Tighten any loose electrical connections: Loose electrical connections might trip your breaker, leaving you in the dark.

Check refrigerant levels: Without refrigerant, there is no cool air. If your refrigerant levels are low, your technician can replenish it and check for leaks.

Check thermostat calibration: Is your air conditioner receiving the message when you set your thermostat to 70 degrees? Thermostats that are not calibrated properly will prohibit you from attaining the optimal level of comfort.

Constantly monitor the temperature drop at the coil: Your coils' air should be 15-20 degrees cooler as it exits than when it arrived. Who was aware? If the temperature reading is abnormally high or low, it may lack refrigerant, insufficient airflow, excessive airflow or filthy coils.

Replace and inspect the air filter: This is something you should perform on your own. All air filters in your home should be replaced once a month. Air filters that are clogged with dirt are a typical cause of air conditioner failure. Also, with filthy filters, your air

quality would drop significantly. This is no more difficult than changing batteries, so set a reminder on your phone!

Conduct an energy audit of your ductwork: Before cold air reaches you, it must travel through your ductwork. If there are tears or leaks, you may lose up to 30% of your attic space's air. Ducts that are properly sized and sealed will keep conditioned air inside, lowering your energy expenditures.

The best part is that summer tuneups are typically about $100. When compared to the cost of replacing a system, the value of bi-annual AC tuneups becomes clear. Once you've made the phone call, your role is complete. After a simple summer tuneup, you'll be able to sit back, relax and enjoy the great indoors without worrying about your air conditioner failing.

CHAPTER 2

Why You Should Schedule AC Tuneup For Your Air Conditioner?

Delaying to schedule an air conditioner tuneup can have costly, unanticipated repercussions. Regular maintenance reduces energy usage and repair costs while increasing overall house comfort.

The best time to arrange this service would be in the spring. Although a tuneup can be performed as long as the technician has access to the air conditioner to test it, spring is the most helpful time to schedule the service. Heating and air conditioning firms schedule time for air conditioning maintenance in the spring. This is the ideal time to arrange an appointment before the summer burn.

A spring tuneup also gets the system running and in shape, preparing it to keep you cool throughout the summer. If you attempt to arrange a tuneup during the summer, you're likely to find yourself in a long line of customers in need of emergency air conditioning services.

These are the individuals who have chosen not to perform a tuneup at all. There is no guarantee at this point in the season that a provider will come out and service your unit. So what exactly is a tuneup? What must be accomplished that is so important? A tuneup for an air conditioner comprises two key tasks: cleaning and preventative maintenance.

If a tuneup is not performed, your air conditioner may become clogged with dirt. Dirt is a cooling system's number one adversary. The technician will remove and disassemble specific components during the tuneup to get access to the cooling system. The expert

will clean all the components using specialist cleaning solutions as they proceed systematically. They are attempting to repair the equipment to near-new condition.

While the technician is removing and cleaning components, they will look for any damage or wear and tear signs. When the components of your air conditioner fail, it consumes more energy to compensate. This will increase your energy cost and reduce your unit's capacity to provide cool air.

Dirt, like wear and tear, has the same impact. As dirt accumulates on the fan blades, it weighs them down, forcing the motor to work more than necessary. It may eventually cause the motor to burn out and fail. You will be left with nothing except a hefty energy bill and an astronomical repair expense.

As you can see, the repercussions of failing to schedule a tuneup are severe. These types of scenarios can quickly become costly. Contact your local heating and air conditioning firm to schedule a quick tuneup. Preventative maintenance can help you save a significant amount of money and time in the long term.

CHAPTER 3

Can a Tuneup on My Air Conditioning System Save Me Money?

As with car maintenance, routine a/c unit maintenance will help your system last longer, work more efficiently and keep your electricity bills low. Cooling your home consumes more energy than anything else. Anything you can do to maintain the efficiency of your system will benefit you when your monthly electric bill arrives.

Early spring is the optimum time to get your a/c unit tuned up, although it can be done as late as mid to late spring. The goal is to complete the tuneup before the hot weather arrives and you must begin operating the system regularly.

Many individuals will prepare their systems for the summer months, so plan your tuneup early enough to ensure that it is completed before the temperatures rise. Another advantage of having your a/c unit tuned up is that it will save your system from requiring many costly repairs.

Preventative maintenance is always less expensive than repairing problems that develop when a system is not properly maintained. By maintaining your air conditioner, you can also extend its life rather than replace it after five to ten years. A well-maintained device can last up to 15 years.

You can expect the following during your a/c tuneup:

- Filter cleaning and/or replacement as necessary
- Examining the hoses for cracks or material damage and repairing them if necessary
- Find out that all fluid levels are correct and top off as necessary.

- Lubricate all moving parts that require lubrication.
- Verify that the airflow blower is operating properly and that everything is in working order.
- Inspect the condensate drain.
- Clean the coils.

Even something as basic as a clogged filter can cause your a/c unit to malfunction. This is a simple replacement that makes a significant improvement in the way your air conditioner operates.

A clogged filter can cause the system's coils to freeze. If this occurs, the system ceases to blow cool air and is rendered ineffective. Changing the filters regularly and keeping the space surrounding the a/c unit dust-free makes the system considerably cleaner.

If you live in a hot area, you will probably use your air conditioning unit more often, so having it tuned up every six months will maintain it in good working order. Having it regularly tested will also help identify any potential problems with the a/c unit before they become costly to repair concerns.

The primary method that routine tuneups save you money is by lowering your electric cost. You can save up to 10% on your energy expenditures by having a well-managed and maintained system. While this may not seem like much savings, anyone who has had an air conditioner run poorly because of dirt can attest to the increasing electricity bills that can result.

When you combine a well-maintained air conditioner, keeping it out of direct sunlight to avoid it having to work harder and weatherization measures such as properly sealing the windows, insulating the attic and sealing the ductwork, you have the foundation for a comfortably cool home throughout the hot season and the potential to save money, which is something that everyone wants to do in this economy.

CHAPTER 4

Reasons You Need an Air Conditioning Repair Service

During the blazing summer season, a commercial air conditioner plays an important function in keeping the temperature cool and comfortable. However, have you even realized that, like every product, this gadget might also lose its exceptional preliminary performance and might break down at any point in time?

The hot climate will make your work tougher. You can feel annoyed and face difficulty in executing ordinary household activities as well. If it is a weekend and you and your family members spend some quality time together, this sudden breakdown would be a great distraction. To avoid such a scenario, it is always a great option to talk with the doctors and choose frequent check-ups.

Undoubtedly, these devices are exorbitantly priced yet are one of the most vital elements of our lives. It is the homeowner's responsibility to effectively maintain the air conditioners by obtaining the trusted firms' help on time.

The technicians are formally trained and have a good understanding of every little part of the machine. You can expect to receive superior quality results from them. They will also avoid further damage and troubles in the system.

Early discovery of the fault in equipment will undoubtedly provide you an opportunity to save large money on electricity costs. The more efficient the appliance is, the lower the electricity consumption it has.

A check-up of the machine every six months will ensure that the system will perform smoothly for a longer period. In basic terms, periodic air conditioner maintenance is important for maximizing operating efficiency and extending the unit's life.

The exceptional services performed by skilled experts will significantly reduce the likelihood of device failures, corrosion or any other issues that may occur with your unit, saving you both time and money.

Are you aware that a well-running air conditioner is important for maintaining the air quality in your home?

It may not dehumidify the exterior air and circulate stale air within the rooms if not properly maintained. This will only result in various skin allergies, irritation of the nose and eyes, fever and other respiratory ailments.

Procrastination in routine maintenance is just not a good idea. It will eventually cause your equipment to fail and cause significant problems for the individuals who live in your home.

Scheduling air conditioner service sessions ensures that cool, fresh and healthy air is ventilated to every space area. Also, this will keep disease and other life-threatening toxins out of your home.

If you've chosen to have your equipment tuned up regularly, you may restore it to its optimal state. Do not be concerned about the rates charged by organizations since most reputable service providers give excellent bargains and discounts on annual repairs and maintenance. You can sign the contract and the expert will be on time whenever you require help.

CHAPTER 5

The Importance of Air Conditioner Servicing for Summer Comfort

It is common knowledge that paying mechanics for routine maintenance services on vehicles helps avoid paying them more for a significant repair down the road. The same is true for air conditioners and heaters; both benefit from annual inspections. If you do not get your air conditioner or heating system maintained regularly, you may find yourself cannot afford a high cost during the harsh summer heat.

Air conditioners are purpose-built to be extremely durable pieces of equipment. They withstand a variety of forms of abuse while maintaining their current level of functionality. As with the car parked in your driveway, your air conditioner needs annual tuneups to operate correctly.

Without these maintenance services, an air conditioner loses around 5% of its efficiency per year of operation. A 12 SEER unit purchased only three years ago may operate at the level of a 9 SEER unit today without a tuneup! Despite this, there is some excellent news. You may reclaim most of the lost efficiency by instituting a routine maintenance program.

According to research, after additional tuneups, the air conditioner keeps over 95% of its efficiency. Thus, the cost of the annual tuneup is more than offset by the savings on future maintenance expenses and the money saved on your monthly power bill.

Also, a properly maintained air conditioner will perform far better at dehumidifying your home, which will keep you and your family more comfortable during the hot summer months.

It involves cleaning the condensing unit coils, adjusting the belts appropriately, checking the compressor's amp draw, oiling the fan motors and testing all the system's pressures and temperatures to verify they are within the manufacturer's specifications.

The coolant level is another important component that must be monitored. This is important since an air conditioner that is only 10% depleted of coolant can wind up costing approximately 20% extra to operate. As a result, the Air Conditioning Contractors of America recommends doing an annual coolant level check.

It is recommended that some additional precautions be taken to ensure high comfort in the home and proper system operation, along with annual tuneups. To begin, ensure that you purchase high-quality filters and replace them regularly.

Also, prune back any bushes or other vegetation that are intruding on the unit's exterior space. Another wonderful option is to not close supply air vents placed throughout the home. In most cases, blocking these outlets becomes hazardous to the air conditioning system's general operation.

Considering this important information, it is apparent that every air conditioning equipment requires routine maintenance. Annual tuneups help more intricate equipment, particularly modern air conditioners, in a variety of ways.

Their lost efficiency is regained, significant malfunctions are minimized or avoided entirely and the unit's lifespan is extended. Even more essential, serviced air conditioners provide you and your family with more comfort and savings.

CHAPTER 6

Spring Cleaning Should Include An Air Conditioning Tune-Up

Predicting savings without knowing what type of tuneup is received is a little foolish. Encouraging a tuneup without explaining the difference between an ordinary tuneup and a high-grade tuneup is shameful and expensive.

Most tuneups claim to change, check, reset or modify back to factory settings. What does that mean? It suggests that when the service tech is done, your system will be good as new. It truly says that the ad is not specific; tough to decide if you received your money's worth.

First, a little information, tuneup is the core advertising technique for most HVAC firms. The idea being they offer you a $59 tuneup expecting you're so happy with the service that it will lead to a new furnace install when the time comes.

Any HVAC business will happily service a customer for years simply for a chance at obtaining a new equipment job. If that logic is stretched out the more tuneups the more future employment; therefore, why not decrease the tuneup price?

Just one concern as the price reduces, demand to execute more tuneups per tech increases, and the tuneup's quality suffers.

What should a quality tuneup include?

1. Determine the system's airflow, which is crucial for efficiency and capacity. Most air conditioners need 400 cubic feet per minute of air to operate at maximum capacity. There are three methods for determining airflow.

A. Pressure measurement at rest. This is the most precise approach if the blower wheel has been cleaned.

B. A traverse of a duct. This procedure entails drilling some holes in your return drop to allow for airflow measurement using a wand-style meter.

C. Air flow meter with true-flow capability. In the filter slot, a measuring instrument is inserted. According to some technicians, its accuracy degrades because of bad duct design.

D. Temperature drop across the system is not a reliable indicator of airflow; while temperature drop is necessary for diagnosis, it does not reliably predict airflow.

2. Thoroughly clean the condenser. Spray the outside unit with a strong foaming cleanser and allow it to soak for ten minutes before rinsing.

3. Take measurements of both indoor and outdoor conditions. All three bulbs should be measured: indoor wet bulbs, indoor dry bulbs and outside dry bulbs. A trained technician will have the tools.

After taking all measures, the tech should plot them on a sliding chart to establish the amount of super-heat required. Super Heat is a refrigerant charge measurement used in the HVAC industry to determine the optimum refrigerant charge.

4. Adjust the refrigerant charge, which is equally important as the airflow. After adjusting the airflow, cleaning the condenser and determining the superheat, the technician can connect his gauges and adjust the refrigerant charge.

5. Additional pertinent metrics.

A. the temperature drop throughout the coil should be between 18 and 22 degrees.

B. Temperature reduction near the outdoor unit. The technician will know this depending on the unit.

C. The compressor's amp drawtube varies according to the unit's size.

To perform this work properly, any company will charge more than $59. Inform the dispatcher of the job you require and be aware that it will cost more. Even if the cost is double that of a garbage tuneup, it is well worth it for your comfort and budget.

Some businesses will only pull and clean blower wheels on a time and material basis, which is OK. Now you may speak with your technician without fear of being duped into shoddy work.

CHAPTER 7

It's Time For A Spring Air Conditioner Inspection

It's been a long winter for most of the country but spring is finally here - birds are returning to their winter habitats, the first flowers and plants are emerging from the thawed dirt and you can see the buds on the branches of trees in your area.

It's a wonderful time of year and we all look forward to the rising temperatures and increase outside activity. Naturally, this means that summer will arrive before we realize it, bringing the demand for air conditioning with it.

Various items should be inspected as part of your spring air conditioner checkup; continue reading to learn more about this process - it's more involved than you might think. That is why, regardless of how handy you are elsewhere in the house, this is a job best left to the specialists. Central air conditioning systems are sophisticated pieces of machinery.

1) The first thing to check is the coolant level in your air conditioning machine; you do not want to attempt cooling your home without sufficient coolant in the system. This will be monitored and replenished to the proper level. Also, you'll want to have the disconnect switch inspected to ensure that it is in good working order; this is an important component of your air conditioning system.

2) Your condenser coil and condensate line are next on the list. The condenser coil is an important component of your air conditioning machine. If it is not functioning properly, your air conditioner will not operate efficiently (or perhaps even at all).

The condensate line transports water condensation from the air away from the rest of the unit; if this line becomes clogged, your air conditioning unit may flood; this line should be checked for foreign items regularly.

3) As part of your spring checkup, the startup capacity of your unit will be checked and many other important metrics, such as whether the compressor amperage meets the unit's specifications, the motor's performance and the capacitors' performance within the parameters specified by the manufacturer.

4) Another important component of spring checks and maintenance for your central air conditioning machine is testing the safety controls. As with anything else, safety is paramount for your air conditioning unit and your safety controls, which include various fuses and emergency off switches, should be examined at least once a year to ensure that your air conditioning machine is running safely.

5) Your air conditioning unit's primary switching relay should also be inspected to ensure it is in good condition. This is the heart of the unit's electrical system and should be inspected as part of your spring checkup. Also, the motors in your unit will be greased as needed and your thermostat will be inspected and calibrated to guarantee operation once summer heat sets in.

6) Check and tighten all wiring and connections in your air conditioning machine to ensure continued performance and safety. Airflow, including your air filter, will be checked as well and if necessary, your air filter will be replaced.

Following all these internal checks and tuneups, additional tests will be conducted within your home. The air temperature will be monitored throughout your air conditioning equipment operation to ensure that it is functioning properly.

The connections of the air ducts leading from the unit to your home will be checked and repaired to prevent cold air from escaping before it reaches your home. Your unit's piping will be inspected to ensure it is in good condition and free of vibration, the

condition of your outdoor motor fan will be checked and the operation of your unit will be monitored to ensure that every component of your system is functioning properly.

As you can see, various items need to be checked during your air conditioning unit's spring inspection; each one is vital to ensure that your central air is operating properly and safely. Now that spring has arrived, it's time to schedule your spring air conditioning checkup so that your home will be prepared when the mercury climbs.

CHAPTER 8

The Advantages of Spring Air Conditioner Inspections

The optimal time to have your air conditioner inspected is now before summer truly begins. Unfortunately, most folks discover their air conditioner isn't working during a day of scorching heat, which is too late.

What are the advantages of routine maintenance?

Regular air conditioner maintenance will save you headaches, time and money.

Anxiety and Time

Honestly, the frustrations and time are spent dealing with your family when it's over 100 degrees outdoors and your air conditioner has broken down. You will locate an emergency repairer and waiting while your family suffers in the heat.

Money

Regular air conditioner maintenance will help you save money because the repairman may discover and resolve minor issues before becoming major ones. This may save you hundreds of dollars in repair costs.

That was simple. Seriously, having your HVAC system serviced annually by a professional will save you money and problems.

Thus, what is maintenance, how much does it cost and how often do I require it?

Routine maintenance entails a heating and conditioning specialist visiting your home and evaluating your system to ensure it operates at top efficiency. A reputable business should:

- Verify the Refrigerant Pressures
- Outdoor Condenser Coil Cleaning
- Voltage & Amps Monitoring
- Superheat and Subcooling should be inspected
- Components of the Blower Should Be Cleaned & Inspected
- Ensure that all Moving Parts are lubricated
- Examine Electrical Connectors
- Continuously Monitor the Air Conditioning Cycle
- Monitor Temperature Decrease
- Batteries for Thermostats
- Filters should be cleaned or replaced

Once a year, air conditioner maintenance is recommended. Along with routine maintenance, the technician will assist you in determining when repair or replacement is necessary.

Replacing obsolete cooling equipment might cause a cost savings of over 60% on your electric bill. When repair or replacement is essential, the specialists will assist you in understanding your alternatives.

Also, they may provide helpful explanations and provide recommendations that will help you save money through tax rebates, improved thermostats, recommendations for increased insulation and a variety of other HVAC expert solutions.

The simple fact is that you spend a significant amount of money on cooling your home. To ensure top performance throughout the summer, begin with a checkup call. Your HVAC professional can tune up your air conditioner and maximize its efficiency.

If you want a replacement, they will provide you with expert analysis to ensure that you get the system that is best suited to your home. A reputable heating and cooling repair firm will even refund the checkup fee if you require a new air conditioner.

CHAPTER 9

Often Occurring Reasons for Air Conditioning Repair Calls

Air conditioners maintain a healthy indoor temperature on hot days, keep out pollutants and toxins and maintain a comfortable humidity level in the home.

Despite the amount of use that air conditioning units receive, many homeowners wait until minor issues develop into major ones before scheduling an air conditioning repair service. The following are some of the most often cited causes for service calls.

Inadequate Maintenance

Regular maintenance is important for keeping an HVAC unit in good working order. A routine tuneup can help keep units running throughout the summer. When homeowners overlook routine maintenance, little issues can escalate into expensive headaches. Remember, professionals can detect damage before it escalating into a significant problem.

Moisture Contained Within the System

Air conditioning units are constructed in such a way that moisture does not accumulate in the system. A central drain line directs excess moisture away from home, where it cannot cause damage. If the drain line becomes clogged, water can collect inside the system, causing corrosion, mold and even electrical problems.

Also, excessive wetness can attract pests that can cause damage to other areas of the property. These repairs should be performed by a qualified professional and should not be attempted by the homeowner.

AC Units That Have Been Overworked and Overused

Many homeowners use their systems continually during the summer's hottest days. While this helps keep homes cooler, it also can cause harm to the air conditioning machine.

Constant use puts a lot of strain on the system and can significantly damage if the unit is not maintained properly. An overworked unit might cease to function, resulting in an expensive air conditioning repair that could have been prevented with a routine maintenance appointment.

Inadequately sized air conditioning units

When a professional installs a unit, they always consider the size of the home to pick the most appropriate unit. If a unit is too tiny to cool a home adequately, the air conditioner may fail, causing the homeowner to contact an air conditioning repair technician.

It's important to remember that unless the unit is improved or supplemented with extra units, an undersized air conditioner will probably fail again following repairs.

Wiring Errors

When an unlicensed contractor or handyperson installs an air conditioner, they may be unfamiliar with installing safety practices and may wire the device incorrectly. If this is the case, the air conditioner will perform poorly and pose a fire threat. Homeowners who observe their unit running without cooling the room or tripping the circuit breaker often should arrange an appointment immediately.

Spring is rapidly approaching and we all know what that means! It's a pastime for a closet, garage and basement clean-out. However, did you know that your spring cleaning checklist should include a tuneup for your air conditioning system?

The reason for this is that with time, your air conditioner becomes clogged with dust and other air impurities, preventing it from operating at peak efficiency. A properly running air conditioner can help you save money on your energy bills and provide additional comfort throughout the hot summer months.

A professional air conditioner tuneup comprises:

Airflow measurement of your system: To run at maximum capacity, most air conditioners require 400 cubic feet per minute. Clean the blower wheel and filters to increase airflow.

Cleaning of the condenser: This may be cleaned by squirting a strong foaming cleanser on the exterior. Allow it to soak for 15 minutes before rinsing.

Indoor and outdoor environmental conditions are measured. A qualified technician will have the tools to measure indoor and outdoor wet and dry bulbs accurately.

Charge change of the refrigerant: This is important and once the airflow has been established, the technician will connect the proper equipment to establish the refrigerant charge.

A basic air conditioning tuneup typically costs roughly $60. However, this is merely a general tuneup and will not restore your air conditioner to peak performance. It's advisable to pay a little more for a comprehensive AC tuneup because experts estimate you can save up to 25% on your power bills once your AC is completely functional. For the greatest costs and service, contact a reputed Utah heating business.

By arranging basic maintenance each year, you can avoid these typical repair issues. Contact a local air conditioning repair expert to ensure that you are prepared for summer before it arrives.

CHAPTER 10

Regular Air Conditioner Maintenance Can Save You Money

We are all aware of the important nature of routine maintenance and inspections on the vehicles we drive. Similarly, your air conditioning device operates on the same premise. To ensure that your ac unit continues to operate smoothly and efficiently, you must schedule annual tuneups.

Without these annual tuneups and maintenance checks, your air conditioner may lose up to 5% of its original operational efficiency. This means that your unit will have to work more and will be less effective. This ineffectiveness will eventually manifest itself in your home and your wallet.

As your unit's efficiency degrades, you'll pay a higher cooling bill. This is because your air conditioner must work more to maintain a suitable temperature in your home. The good news is that most of the lost efficiency may be recovered through routine maintenance.

Regular, yearly maintenance tuneups have been shown to maintain up to 95% of your air conditioning unit's original efficiency. This means you'll save money on cooling costs and avoid having to pay for air conditioning repairs down the road.

At the start of the cooling season, many air conditioning providers will offer offers on tuneups. A standard tuneup typically includes cleaning the condensing coils, inspecting the compressor, lubricating the fan motors, inspecting all belts, and checking the coolant level.

If you have never had your air conditioning unit inspected, now is the time. Early periodic maintenance will save you many hassles and money in the long run by avoiding excessive energy expenses and costly repair fees. Make an appointment with a reputed air conditioning technician in your neighborhood to get your unit inspected.

The Most Effective Ways to Maintain Your Air Conditioner

A modern air conditioner is one of the most helpful innovations. It provides tranquility on hot summer days and shields you from the suffocating heat. While these machines are extremely useful, they are not inexpensive. You must offer competitive pricing for the machine.

This also draws attention to the fact that you must take good care of your air conditioner and perform routine maintenance to ensure that it continues to operate at peak performance for an extended length of time. Nobody, including you, is looking to purchase an air conditioner every year. As a result, you must be familiar with the proper ways to maintain a healthy air conditioner.

Typically, owners overlook the upkeep aspects. Air conditioners are well-constructed equipment. This also misleads the proprietors. They believe everything is alright while the machine is blowing cool air. However, they are unaware that their air conditioner is losing efficiency year after year.

It must be understood that it will lose 5% of its efficiency each year if you do not maintain your air conditioner. It makes no difference whether the air conditioner produces cool air; the efficiency will be reduced. Each air conditioner is rated for a specific capacity.

Effective air conditioners often last 15 years and in some circumstances, even longer. If you perform routine maintenance on the air conditioner, there is a good probability that it will continue to operate at its rated capacity for the duration of its life.

You should check the air conditioner a few minutes before the scheduled time. How do you maintain your air conditioner? The first inspection you should conduct is a general observation. You must check for leaks or strange sounds and the condenser tube's correct draining.

Second, clean the filters. If the filters are clogged, running the air conditioner will be inefficient and inconvenient. As a result, you must clean the filters monthly to ensure that your air conditioner operates at peak efficiency. Also, you must clean the air vents and registers.

Following that, the compressor must be cleaned. The compressor should be cleaned from the outside with a hose to ensure that dust does not interfere with the air conditioners performance. During the winter months, while the air conditioner is not in operation, the compressor must be covered.

You can take care of routine maintenance on your air conditioner but more sophisticated tasks, such as tuneups, require the help of expert professionals. You must hire a technician to perform a tuneup because it is important to revitalize the air conditioners energies. Typically, a tuneup will cost between $50 and $100.

Apart from that, take care not to mishandle your air conditioner during installation, switching on and off and so on. If you take care of your unit properly, it will provide you with the greatest service possible for the duration of its life.

Preparing Your Air Conditioner for Summer

Texas is not known for its temperate summers. While we may expect pleasant and gorgeous days in March, April and May, we must also prepare our homes for those days in July when the temperature soars into the upper 90s.

We don't require air conditioners that operate efficiently. We require air conditioners that operate optimally. For air conditioning, rely on specialists to get you through a Texas summer.

What you can do to get your air conditioner ready for the summer

Make an appointment for your annual maintenance visit in the spring: Maintaining your air conditioning system is important to keep it in good working order. After a maintenance specialist does the essential tuneups, adjustments, cleanings and replacements on your air conditioner during a visit, the system has a far lower probability of breaking down or requiring additional repairs.

Maintenance will also save you money: after a year without a tuneup, a system would consume 20% more electricity than a well-maintained system. Maintaining your air conditioner should be your top priority.

Replace the air filter: This is a simple task to perform independently and continue to do throughout the summer. A clogged air filter will restrict airflow into the air conditioner and may allow harmful particles to enter. With a new filter, give your air conditioner a fresh start for the summer. For the rest of the season or whenever you use the AC often, replace the filter once a month.

Clear the area around the outdoor condensing unit: During the winter and early spring, the area surrounding the outdoor condensing unit of your air conditioner may become blocked with gravel, boulders, dirt mounds, brush, leaves, and other debris.

This can cause damage to the interior of the unit and inhibit the normal release of heat from the coils, making the air conditioners heat exchange function more difficult. Allow a few vacant feet around the outside cabinet by clearing the area.

Attend to lingering repairs: If your air conditioner is malfunctioning (your maintenance technician may notice some), don't wait until the summer rush to schedule repairs. You want to ensure that your system is in tip-top shape before the first week of 90°F+ heat arrives, so that you avoid scheduling an emergency repair visit.

CHAPTER 11

How Do You Know When to Replace Your Central Air Conditioning Unit?

Green lawns, blooming trees, sprouting bulbs and milder weather characterize early spring. This seasonal shift is accompanied by flyers, postcards, newsletters and emails from air conditioning professionals in your neighborhood.

Offering a variety of services from AC Tune-Up to Safety and Efficiency Check-Ups, your **local HVAC professional** is informing homeowners that there are many things they should perform annually to keep the central air conditioning in good working order.

Is it necessary?

Without a doubt, the answer is. YES. Annual air conditioning tuneups are an excellent way to kick off the season. Annual maintenance will increase your system's efficiency and performance.

As a result, you contact your local air conditioning contractor to schedule a tuneup. The technician enters on a day when the temperature exceeds 50 degrees, adjusts the thermostat to the 'cool' setting, replaces your disposable filter and walks outside to the lone condensing unit that has waited patiently for this day. He slings a set of gauges onto your outdoor unit, pauses for a beat, then frowns.

Mrs. "Happy Customer," he continues, "it appears as though your system is flat." Flat? You inquire. The ac technician explains that your system is completely depleted of refrigerant, which means it cannot chill. You have a refrigerated leak! While this is simply one of many repairs that may be required, it serves as an excellent starting point for illustrating a point.

What will a homeowner to do in this situation? This is when a slew of issues develop. Also, we'd like to share some thoughts.

To resolve your situation, recharge your central air conditioner. This is not a cheap repair, but it is important to get your system back up and running. Thus, you may choose to do this despite your reservations.

How do you determine whether this is the best course of action? I'll explain how.

This may be appropriate for you depending on the age of your system. If your system is less than ten years old and has had no major repairs, proceed with this service. Since the refrigerant in older systems is on the verge of becoming obsolete, this is an expensive repair.

However, it may work for a season or perhaps longer. As a side note, the cost of R22 refrigerant surged in 2012 since it is being phased out and will soon become unavailable. Today's refrigerants are ozone-friendly.

Is your system more than a decade old?

The fix may thus be inappropriate for you. Your alternatives here are to perform what the industry refers to as a 'leak check.' After the system is recharged, a unique photo-fluorescent dye is injected and allowed to flow throughout the system while it is functioning.

Your AC service technician will return in a few days to conduct a leak check using a special light. If the leak is located, a repair may be made and you're back in business. This is assuming that the leak is immediately detectable and not deep within the system's coils.

Now, your system may run out of refrigerant before the technician arrives. That is not encouraging. This is where decision-making comes into play.

If you're spending any money on regular maintenance on an older system and the refrigerant is about to be phased out, now is the time to consider changing your system. Central air conditioning systems of the modern era are incredibly energy efficient.

If you have an older system, you might save up to 35% on your monthly power expenditures during the cooling season if you upgrade. Add to that a rebate for high efficiency from your local utility company and the availability of a 0% financing scheme and the decision should be simple.

CHAPTER 12

How to Avoid AC Breakdowns This Summer

The last thing you need in these trying economic times is an unexpected air conditioning repair. While all mechanical systems require maintenance at some point, many are avoidable. Here are the ten most common springtime problems we experience and how to avoid them in no particular order.

1. Filter that is filthy

If you have a disposable filter in the 1" size, it should be updated monthly. Because it is out of sight and mind, it is simple to forget to replace it.

Each year, we receive service calls for air conditioners not cooling because of restricted air movement caused by an excessively dirty filter. Filters clogged diminish interior air quality, making the homeless pleasant and might eventually result in frozen inside coils, causing costly repairs.

2. Switch has been deactivated

Some heating and air conditioning systems have a wall switch at the indoor unit that can confuse a light switch for safety and convenience. If this is switched off accidentally or left unattended during mild weather, your air conditioner will not start. Always inspect this switch's condition before contacting us.

3. Tripped Circuit Breaker

A tripped breaker is one of the most prevalent reasons for no-cool calls. Reset it before contacting us. Hopefully, it will not happen again. If it does, please contact us.

Something is tripping the breaker. Often, the cause is simple, such as a faulty breaker, a loose wire or a faulty capacitor. However, if left unaddressed, some minor issues can escalate into far more costly fixes.

4. Refrigerant Leaks

A sealed system is what an air conditioning system is. It should never experience refrigerant leakage. When this occurs, unpleasant events occur. Your air conditioners efficiency decreases and your electricity consumption increases. Your air conditioner may not be working properly. The coil may become frozen. Compressors can sustain damage.

Also, refrigerants contribute to global warming. We employ a range of techniques to locate refrigerant leaks. Often, the issue is as straightforward as a defective Schrader valve or a weaker connection between the fitting and the refrigerant tube.

5. Controls for the thermostat

Some thermostats require switching between heating and cooling modes. Your air conditioner will not start if the switch is in the incorrect position or is broken. Digital thermostats of high quality rarely fail. Some of the less expensive ones available from the big box stores may be. Therefore, what goes wrong? The switch may fail; a voltage spike may cause a malfunction and so on.

6. Obstructed Drain Line

While reducing the temperature, air conditioners extract moisture from humid air. Typically, moisture is drained from your home via your plumbing system. A drain pan with a secondary condensate drain should be present as a backup.

Algae can colonize these channels, blocking them. This can cause water damage to the structure of your property. Drain lines can be cleared as part of our spring air conditioning tuneup or independently as needed.

7. Correspondent

In your air conditioner, a contactor is an electromechanical switch. Occasionally, the silver coating on a contactor wears off, and the contactor becomes stuck, resulting in the outside unit running continuously, which is costly. Occasionally, ants are drawn to electricity and become trapped between the contactors, preventing them from closing.

When this occurs, the outside unit will not operate. Electrical contractors can also fail. We inspect these as part of a spring tuneup, clean the contactors' surfaces if necessary and recommend replacement if the impending failure arises.

8. Contaminated Evaporator Coil

Your home's evaporator coil is placed inside. Periodically, the coil should be cleaned; otherwise, dust and debris can clog the coils' heat transfer capacities and impede system airflow. Dirty coils raise operating costs and decrease the comfort level in your house. * Should be performed by an HVAC professional.

9. Contaminated Condenser Coil

The condenser coil is the component of your air conditioning system that is located outside. A dirty or congested coil is inefficient, increasing energy consumption and lowering the system's cooling capacity. Keeping it clean will help you save money on electricity and extend the life of your air conditioning system.

10. Ductwork Leaks

You pay to condition air with a forced-air heating and cooling system. The ducting distributes the air to the various rooms. Suppose the ductwork that supplies this air is located outside of the place you wish to condition, such as a basement, crawl space or attic. In that case, you are paying to condition a location you do not wish to condition and reducing the amount of air available to condition the rooms you desire.

This results in increased run times and energy bills. Inefficient ductwork (your air distribution system) is a significant source of energy loss in most homes. I'll expand on this in subsequent columns.

CHAPTER 13

Preventative Maintenance for Air Conditioning

Your air conditioner is like your car. Without regular maintenance, it will deteriorate quickly and cost you money in pricey repair bills and possibly result in replacing the system altogether.

Annual preventative maintenance on your air conditioner by a licensed HVAC technician will keep your unit functioning safely and efficiently throughout the cooling season, extend its life, and save you money on energy costs.

Every year your unit isn't tuned up, it will lose roughly 5 percent of its efficiency. Between annual tuneups, there are many things you can do to ensure your air conditioner continues to perform correctly and efficiently to keep you comfortable during the summer.

What your HVAC professional will do:

* Balance the refrigerant levels\s

* Check the system controls to ensure your air conditioner cycles properly\s

* Check and clean the evaporator and condenser coils\s

* Tighten electrical connections to keep your system working safely and efficiently\s

* Lubricate the motor to prevent friction, which reduces efficiency and can cause the system to overheat\s

* Inspect your thermostat to ensure it's properly calibrated\s

* Check your ducts for damage and air leaks\s

* Flush and clean the condensate drain to prevent mold growth\s

* Clean and inspect the fan blade for optimum air flow\s

* Check the air filter and change it if it's dirty\s

* Check the compressor for proper electrical connections, volt draw and amperage\s

* Inspect and test the capacitors.
What you can do:\s

* Check the outside condensing unit regularly and remove any debris that has gathered. Leaves, grass, dirt and other debris can block the airflow and cause your system to perform inefficiently.

* Clean the coils on the outdoor unit. Turn off the power to your air conditioner and moisten the coils with a hose. Spray professional air conditioner cleaning, available from your local HVAC supplier, onto the coils and allow them to sit for ten to fifteen minutes.

Rinse the coils well with the hose. Remember to follow basic safety precautions when using the cleaner. Safety eyewear and protective rubber gloves are advised.

* Check your air filter every month and replace it when it's unclean. Your air conditioners filter keeps dust from accumulating inside the system, which can cause it to overheat, resulting in costly repair fees. Each filter is assigned a MERV rating based on its minimum efficiency reporting value.

The greater the MERV rating, the more effective your filter traps harmful particles. Also, your air filter contributes to the cleanliness of your indoor air by capturing particles such as mold, pollen, viruses and germs.

To replace your air filter, which is often positioned in the blower compartment between the cold-air return and the unit itself, simply take out the old filter and replace it with the arrows on the frame facing the airflow direction.

If your air conditioner operates inefficiently, schedule maintenance with a certified HVAC professional immediately to avoid unit damage caused by dust buildup, loose connections or a dry motor.

CHAPTER 14

Routine Tuneup Is Important to Extend the Life of Your Air Conditioner

You almost certainly already have a strategy in place to keep your air conditioner operating at peak efficiency. This likely entails having annual maintenance performed. If that is the case, you are well aware of how important it is to maintain the coolant responsible for removing heat from your home and transforming it into a more comfortable environment.

Whether you have a service agreement with your air conditioner contractor or schedule it at your convenience, regular maintenance will include a coolant check. If they determine it is insufficient, they will recommend adding more. This is not usually as straightforward as simply connecting a line from a can of Freon to your unit. Some laws control how this important maintenance task is carried out.

Freon is a chlorofluorocarbon or CFC that can harm the earth's protective ozone layer when released into the atmosphere. CFCs are prohibited by law from being added to a leaking air conditioner system. Indeed, it is no longer permissible to use this form of coolant and hence it is unavailable.

Once the annual maintenance has been completed, homeowners can take many actions to ensure that their houses provide the most comfort possible with a properly working system. The first and most important of these is to invest in high-quality air filters and replace them regularly. Most filters should be cleaned or replaced at least once a month.

Keep the area surrounding the air conditioner clear of clutter. This includes any shrubs or other vegetation that may grow around the unit. While little shade from the summer sun is OK, nothing should obstruct the airflow around the outside unit. Avoid the urge

to close supply outlets to idle rooms, as this might be detrimental to the system's overall performance.

Routine maintenance is beneficial for any piece of equipment that you are familiar with. As with your car, your air conditioner needs routine maintenance to operate at peak efficiency. In the same way that you would change your car's oil, rotate its tires and replace its brake pads, regular schedule maintenance on your air conditioner.

By just adding a maintenance schedule to your air conditioner, you may significantly reduce your energy expenditures. Never put this off since it may cost significantly more to repair a broken air conditioner than it does to schedule a tuneup on time.

An air conditioning unit is a substantial piece of machinery. It withstood any type of punishment from the elements. That does not mean it will continue to run and perform properly if it is not inspected and serviced regularly.

Without routine maintenance, an air conditioner continues to lose approximately 5% of its efficiency each year. This means that you are paying more on your monthly energy bill. Annual tuneups have shown that air conditioning equipment can keep up to 95% of its working efficiency throughout the years.

Also, routine maintenance will save you from incurring large repair expenditures. Maintaining your unit regularly reduces the likelihood that it will fail just when you need it most. "An ounce of prevention is worth a pound of cure," Benjamin Franklin once stated.

Changing your filters regularly is one way to assist you in taking care of your system. Also, you must choose a reputable air conditioning firm to come and service your unit. A typical service check will include:

*condensing coil cleaning

*inspecting the level of coolant or Freon

*Lubrication of the fan motors

*Inspection of all belts

*monitoring the pressures and temperatures within the system

Taking care of your unit will extend its life. Annual maintenance on your equipment can help keep it working at top efficiency and save you money on your energy bills throughout the year. In conclusion, it pays to look after your air conditioner.

Air conditioning units are something that most people, whether homeowners or business owners, take for granted until they cause considerable inconvenience in their lives. It's one of those things that people can't imagine living without, yet because of negligence or a lack of time, they neglect to do routine AC maintenance and repair.

This routine tuneup of the system is the most fundamental task to maintain their system efficiency and save money on regular maintenance and repair. As a machine, it is prone to breakdown once a year, so it is always preferable to seek air conditioning service in Dallas.

Although it is advised that this unit be serviced regularly by a trained professional, there are frequent problems that unit owners can remedy. Here are some repair and maintenance guidelines that must be addressed for your air conditioning machine to operate at peak performance and without obstacles.

Cleaning is one of the most fundamental tasks that an air conditioning unit owner can conduct to operate efficiently. It has been seen that many difficulties are created simply by a lack of cleanliness or by failing to perform routine maintenance. While performing the cleaning process, ensure that you clean all ducts, vents and the filter.

Cleaning the air filter contributes to maintaining a healthy atmosphere in a commercial or residential setting. To clean an air filter, disassemble the filter's grill and remove the filter from behind. If the filter needs cleaning, it is preferable to clean it using vinegar and water; otherwise, the best course of action is to replace it.

A clogged or dirty filter impairs the unit's ability to offer effective cooling and contributes to other significant air conditioning problems. This routine and periodic air conditioning maintenance will undoubtedly aid in extending the life of the system.

Another important task is the maintenance of the compressor, which is often referred to as the outside unit. It requires special treatment because external influences often harm it. To maintain effectiveness, keep the unit's side clear of hedges or long grass. Remove all dust and dirt from the unit's coil and use a soft brush to clean the fan blades. Indoor unit upkeep:

Apart from changing the air filter, additional elements such as coolant and evaporator unit cleaning should be addressed during maintenance and repair work. The coolant level, commonly known as freon, should be monitored to ensure that Dallas's air conditioning service is functional.

CHAPTER 15

HVAC Repair Specialists Contribute to Energy Conservation Through Maintenance

Central air conditioning systems require routine maintenance to guarantee they operate efficiently and wasting no costly energy. Duct leaks or clogged filters can end up costing significantly more than the average homeowner expects.

Choosing a reputable licensed HVAC repair technician to perform routine tuneups can save you thousands of dollars in the long term. Each year, before summer, air conditioning systems should be inspected by a professional.

After it has been inspected, it is your responsibility to keep it in good operating order. Changing the air filters in your air conditioner monthly will help improve air quality and keep your air conditioner from working overtime to maintain a steady, cool temperature in your house.

Disposable air filters should be discarded monthly, while reusable air filters should be completely cleaned and dried before reinstalling. Keeping debris away from outside condenser units can also help your system avoid working overtime to cool your home. Gently cleaning fan grills and blades to remove dust and dirt can aid in their operation.

Raising your thermostat by one degree in the summer can help you save up to 9% on your total cooling costs. A one-degree increase in temperature is barely noticeable to anyone in your home but the savings on your utility costs will undoubtedly be noticeable.

Heating and cooling a home costs more than operating any other household appliance. Thus it is important to keep air conditioning systems in good functioning order at all

times. On average, 44% of power expenditures are used to heat and cool dwellings. Apart from the huge financial cost to the ordinary American, air conditioning contributes more pollution than any other device they buy.

Using heating and cooling regularly adds carbon dioxide to the atmosphere, which affects the rate of global warming. Not only does pollution contribute to the depletion of the earth's helpful natural ozone layer but it also introduces sulfur dioxide and nitrogen oxides into the air, which eventually degrade into acid rain.

HVAC repair companies offer competitive rates on energy-efficient HVAC system installation and maintenance. Not only can skilled HVAC contractors help you get the most out of your system by repairing and tuning it but they can also help you save money on energy costs by properly cleaning and maintaining it.

Reduce monthly energy costs by hiring a professional energy auditor to determine which appliances in your home are efficient and inefficient and which faults could be rectified to save money on power bills.

By performing annual maintenance on your HVAC system and doing a comprehensive energy audit, you can ensure that the money you spend on heating and cooling your house is not being wasted on leaks and malfunctioning systems.

CHAPTER 16

How to Prepare Your Air Conditioner for Summer

If you live in a hot region and use air conditioning, you can expect increasing your utility expenses as summer approaches. However, many house renovations can help keep your home cooler while also lowering your air conditioning expenditures. Spend a few minutes inspecting your home and developing an action plan for energy efficiency improvements:

What type of roofing material do you have in your home?

Dark-colored roofing absorbs a significant amount of solar energy, transformed to heat in the attic and living space. When re-roofing your home, use white or other light-colored shingles. Install a reflective white roof covering over your current metal roof if you live in a mobile home.

How much attic insulation does your home have?

When solar energy heats your attic, it also heats your home through the ceiling. Attic insulation retards this heat transfer and retards heat loss from your home throughout the winter. If your attic is less than 6 inches thick, add additional insulation to reach 16 inches or more.

Are your south and west-facing windows shaded?

Sunlight pours into your home through bare windows. Solar overheating is mitigated by shade. Awnings, sunscreens or drapes should be installed over the windows that receive the most sun.

Are leaves or other debris accumulating on the grilles surrounding your air conditioner's exterior unit?

These impediments restrict airflow over the condenser coil, lowering your system's efficiency. Remove any leaves or debris from the exterior unit using a garden hose and brush. Reduce the height of any bushes that could obstruct airflow into the device.

When was the last time you had your central air conditioning system serviced?

Air conditioners are complicated and must be cleaned and regulated regularly. Inspect and tuneup of your system by an expert. Find out that they perform a refrigerant charge and airflow check.

How thoroughly sealed are your ducts?

Duct leaks can allow cold air to escape into your attic or crawl space or they might pull in hot air and dampness. Plan of Action: Duct mastic is used to seal the seams of your ducts. Avoid using "duct tape" as it has a tendency to come undone.

How to Get Your Air Conditioner Summer-Ready

It's a good idea to prepare your air conditioner for the summer heat ahead of time. By performing a few simple air conditioning maintenance procedures, you can avoid unpleasant system failures when temperatures are too high to go without cooled air.

Condenser Coil Cleaning

The exterior condenser unit might become blocked with detritus such as dead leaves and grass after months of inactivity throughout the winter. Remove any plant growth that may have developed around the condenser.

Indoor condenser coils can also become clogged with dust and other debris; if you know how to access these coils, clean them to increase the efficiency of your system. In the absence of that, contact a heating and air conditioning provider. A properly vented air conditioner operates more efficiently and prevents misuse or overheating.

Thermostat change

Using a programmable thermostat enables significant energy savings during peak usage hours. Set your thermostat to turn off when you leave the house or go to sleep and turn back on when you return.

If you do not already have a programmable thermostat, speak with your air conditioning contractor about installing one.

Also, it's a good idea to switch off the air conditioner when your home is vacant for extended periods, such as during summer vacations. This can also help you save money on your energy bill and is an excellent way to be green!

Make an Appointment for a Tuneup

The most effective way to ensure that your air conditioner is operating at peak efficiency is to contact a professional HVAC specialist. Air conditioning technicians have the expertise and experience necessary to examine the condition of your air conditioning system and recommend improvements.

By cleaning and fine-tuning your air conditioning system properly, you can optimize its operation and extend its life. A simple tuneup before summer will help you avoid costly repairs down the line.

By following these air conditioning maintenance suggestions, you can help extend the life of your air conditioner and avoid having to pay for costly repairs down the road.

With a few easy maintenance procedures, your air conditioner can last for years and years.

If you have any queries concerning air conditioning maintenance, contact a local air conditioning repair firm. They can provide expert recommendations based on the model and year of your air conditioner. Also, they may advise you on when it is advisable to fix or replace.

CHAPTER 17

Recommendations for Basic Air Conditioning Repair and Maintenance

The air conditioning unit is one of the most often used electrical appliances worldwide and it is regarded as a fundamental commodity for all commercial and business facilities.

Nowadays, even residential buildings incorporate this unit to preserve a healthy atmosphere in their selected location. This unit's internal machinery components wear down regular and frequent use, needing air conditioning repair and maintenance.

It is one of the most effective methods of maintaining unit effectiveness and assisting units in operating at peak efficiency when needed most. As a result, it becomes important for unit owners to do routine and periodic maintenance, extend the unit's life, and provide effective cooling.

However, like a mechanical system, it is prone to wear and tear at least once a year, causing thorough air conditioning Tucson maintenance and repair. Some frequent problems occur due to neglecting routine maintenance and should be addressed as part of the maintenance program for effective cooling and keeping a healthy atmosphere in a residential or commercial location.

Air filter maintenance is one of the first and most important tasks that one should conduct to maintain an air conditioning unit operating efficiently. Ideally, air filters should be inspected once or twice a month depending on their condition, cleaned or replaced.

If the air filter is not cleaned or replaced regularly, it can cause a slew of problems and cost you a fortune in air conditioner repair. A clogged filter restricts airflow, making it more difficult for the unit to offer effective cooling. Thus, cleaning the air filter and its grill regularly can resolve this issue and aid your system in providing effective cooling.

Faulty Cooling: Another major issue seen by unit owners who do not do routine and periodic maintenance. In most cases, this occurs because the compressor is not working even though the unit's fan is running.

The first and most important thing to examine is the compressor wire, which may have either burned or shorted. An overload might cause this in the protector or a damaged capacitor. To avoid this issue, it is usually preferable to contact an air conditioner repair specialist with the experience and tools to resolve this issue.

Compressor maintenance is also referred to as outside unit maintenance since it is typically positioned outside the building. If your air conditioner is cooling effectively, it is prudent to inspect this unit.

External variables such as rain, heat and leaves affect this unit. Therefore, if you are not using your air conditioning unit during the winter, it is recommended that you cover the compressor with a piece of cloth to prevent it from becoming dirty.

Annual servicing tuneups are quite beneficial for an air conditioner. According to a study, air conditioners that are not serviced regularly lose 5% of their efficiency each year.

This simply means that a 12 (SEER) air conditioner purchased a few years ago will perform similarly to a 9 (SEER) air conditioner today. In a nutshell, you're squandering the money you spent on your 12 Seasonal Energy Efficiency Ratio air conditioner.

Fortunately, many studies show that routine maintenance and care will preserve your air conditioners original efficiency. Also, the cost of routine maintenance will be offset

by the money you save on repairs and your monthly electric bill. Regular air conditioning repair can be costly; routine home air conditioning servicing will save you money in the long run.

Throughout the year, a local home air conditioning provides offers special prices and specials. It offers annual service plans that check to see whether you require any serious air conditioning repair before the start of summer. Also, the service includes:

1) Thoroughly clean the condenser coils
2) Inspect compressors
3) Ensure that the fan motors are properly lubricated.
4) Verify that all belts are adjusted properly.
5) Verify that the temperature is within the manufacturer's specification range.
6) Inspect the operating pressure of the system.
7) Verify that the coolant level (Freon) is acceptable.

Home air conditioning service is important because it ensures that your air conditioner is fully maintained following important standards and regulations established by air conditioner regulatory authorities.

For instance, an air conditioner that is 10% depleted of coolant will cost 20% more to operate! (ACCA) Air Conditioning Contractors of America recommends performing an annual coolant level check.

Also, you cannot simply add coolants to your air conditioner. Freon is composed of chlorofluorocarbons (CFCs), which have a detrimental effect on the Earth's ecosystem. Better and more environmentally friendly choices are now accessible because of new technology and study. Also, ensure that the repairman installed a high-quality filter in your air conditioner.

Annual home air conditioning servicing may seem inconvenient at first, but you will understand its value as you save money on your utility bills.

CHAPTER 18

Consider the Following When Choosing Air Conditioning Services

Home is unquestionably the most comfortable zone for everybody and when that zone's comfort is threatened, it's only natural for mental peace and stability to be interrupted. Temperature extremes in particular places are a source of concern for many individuals and this one factor can easily disrupt the delicate balance of a pleasant environment.

Humidity is another factor that complicates matters. To sway the situation in one's favor, the best course of action is to install an air conditioner to straighten out the situation and provide a calming environment for everyone.

Since most people are prone to various sorts of allergies, it is always prudent to choose a reputable firm to install the AC so that the dust and particles that cause such allergies cannot permeate the room. The key to offering an excellent installation service is fine-tuning the air conditioner to regulate the temperature and humidity levels to get the optimal comfort level.

Only when an air conditioner is installed properly can it provide that crisp, comfortable warmth during the cold months. Similarly, the most precise installation must maintain a comfortable atmosphere inside the home throughout the scorching summer days.

An ideal air conditioning unit incorporates all the elements to filter out dust particles while the clean air is circulated in the room. Because dust particles carry hazardous allergens, filtering is important to ensuring the entire well-being of the people who live in the room.

For picking an air conditioner model, regardless of the intended purpose, it is always suggested to stick with well-known devices from reputable companies that have passed all necessary quality and efficiency inspections and accurately adhere to the applicable criteria.

While lesser-known manufacturers often offer incredible discounts to entice customers, brand recognition and quality should always take precedence above price from the buyer's perspective.

If servicing an existing air conditioning unit is the only requirement, customers should seek help from only standard services that employ technicians who have the knowledge and technical expertise to service an existing unit and restore it to normal operation.

Many simple procedures can further assure the AC unit's effective operation, such as ensuring that no debris accumulates on the outer unit's side, which might obstruct the air passage. Cleaning or replacing filters regularly, as stated by the manufacturer, can also help the AC unit function smoothly and flawlessly.

CHAPTER 19

Guaranteed Return on Investment for Furnace and Air Conditioning Tune-Ups!

Every homeowner should understand the value of having their heating and cooling appliances serviced, cleaned, tested and adjusted annually by a licensed HVAC contractor or company to ensure that their heating and cooling appliances operate at peak performance and efficiency, as recommended by heating and cooling manufacturers!

A forced-air furnace contains operating components that can wear out, resulting in costly component failures on the appliance's more expensive components.

Suppose a homeowner pays to heat and cooling contractor to perform routine tuneups and cleanings on their furnace. In that case, these smaller, less expensive mechanical problems can be detected early and resolved appropriately, effectively saving the homeowner money by extending the life of more expensive parts, creating nominal efficiency bumps and reducing safety hazards in a likely scenario.

A contractor offers periodic tuneup specials between $79.00 and $99.00 (industry retail value: $135.00) to grow the company's customer base while providing a high value to people who investigate the advantages and benefits of what a licensed and insured heating and air conditioning contractor can provide in performing such a service.

When a tuneup is completed properly, a company will provide the following checks and adjustments:

1: Gas leak detection is performed from the gas shutoff to the furnace. If any leaks are identified, the HVAC expert will show them to the homeowner and recommend a safe repair.

2: The blower motor's run capacitor is tested and replaced at a little additional charge if found to be inadequate, extending the life of a much more expensive blower motor.

3: Amp draws taken on the blower motor to ensure that it operates within the manufacturer's recommended ranges, extending the motor's life and saving the homeowner money.

4: The amp draws of the induced draft motor are measured.

5: Flue pipes are evaluated for harmful faults that could create a dangerous situation for the home's occupants.

6: If necessary, flame sensors are inspected and cleaned.

7: If it is determined that the ignitors have reached the end of their service life, they are tested and changed at a nominal additional fee.

8: Gas valves are calibrated with a manometer to adjust to the right water column for best performance and efficiency.

9: Older manual thermostats will have their heat anticipators changed or a suggestion for a programmable digital thermostat will be made at an additional cost.

10: Combustion Gas Analysis is used to ensure the furnace is running safely and efficiently.

11: Limit switches are inspected and tested to ensure they operate safely according to the manufacturer's design and requirements.

12: If the furnace burners and blower compartments are cleaned, remove any bulk dirt contamination.

13: The furnace filter is inspected and the professional Heating and Air Conditioning HVAC technician advises the homeowner regarding proper filtration.

14: The heat exchanger is visually evaluated. If a potentially dangerous situation is detected, the HVAC expert will conduct additional testing to ensure the heat exchanger is safe and operating properly.

15: Temperature rise readings are taken to ensure that the furnace operates at the proper temperatures specified by the heating appliance's manufacturer. This allows the HVAC technician to adjust or not adjust fan speeds appropriately to ensure the furnace is operating at peak performance and efficiency.

16: The HVAC specialist will make recommendations and address any comfort concerns the homeowner may have regarding their heating and cooling system.

17: Also, the HVAC specialist or cooling and heating professional will discuss suitable air mixing in the home, brief furnace sizing, brief duct sizing, and offer recommendations to alert the homeowner whether everything is sized appropriately, close or is significantly off!

18: The furnace pressure switch is inspected to guarantee proper operation.

19: All tubes and/or belts are inspected to ensure they are in good condition and have not been worn on the furnace.

20: All wire connections are inspected to verify they are not loose, disconnected or contacting the furnace's electronic connection points' spade terminals.

21: The furnace's step-down transformers are tested to ensure they are running properly.
22: The Heating and Air Conditioning HVAC specialist will evaluate high voltage connections for signs of reversed polarity.

23: The HVAC technician inspecting the furnace will also ensure that the AC coils are clean and free of debris and, for an additional fee, will offer to professionally clean them if they are discovered to lose tremendous efficiency value, shorten the life of the furnace's limit switch, create unnecessary odors and to eliminate bacteria that can commonly grow on an AC evapo.

24: Also, the HVAC technician will inspect limit series roll-out switches for faults.

25: The Heating and Air Conditioning HVAC professional will also inspect and ensure that no combustible materials are stored near the furnace and will advise the homeowner to move such materials if discovered during the furnace's tuneup and cleaning.

26: If furnace drains are present, the HVAC expert will inspect them to properly operate.

27: An HVAC professional will also check for spillage to verify that no toxic flue gases are back-drafting into the property.

28: The Heating and Air Conditioning HVAC specialist will also evaluate control boards and/or ignition control modules to ensure that the components allow for proper purge cycle sequences in your forced air furnace.

29: The HVAC technician will visually verify the blower motor lock shaft to confirm that the blower wheel is fastened to the blower shaft. When this is identified at no expense to the homeowner, the lock shaft is tightened, extending the life of the expensive blower motor!

30: Also, the **Heating and Air Conditioning HVAC expert** will inspect the HVAC system and provide sealing recommendations to the homeowner if significant air leaks are observed, causing the HVAC to become concerned about the HVAC system performance.

Many qualified and insured heating and air conditioning firms and contractors offer comparable tuneups and cleaning services conducted by various heating and air conditioning companies that may vary but should produce the same results.

Many senior technicians possess an outstanding instinctive capacity to whiz by what does not immediately come to mind or leap into their awareness while quickly and successfully zeroing in on what does.

Keep in mind that if you've performed thousands and thousands of furnace tuneups as much tenured Heating and Air Conditioning HVAC professionals have, you'll have the same ability to do so independently as many other tenured HVAC technicians can do. With other Heating and Air Conditioning service providers as well!

Whether a homeowner contacts one reputable Licensed and Insured Heating and Cooling Professional annually or not, the homeowner will save a significant amount of money in the long run by catching small problems that are less expensive to resolve BEFORE they balloon into a small fortune in a more costly breakdown, by improving efficiency and by avoiding costly breakdowns.

Homeowners who have their furnaces tuned, cleaned and adjusted regularly and who perform preventative maintenance on worn furnace components ALWAYS save significantly more money in the long run than those who neglect to maintain and service their expensive heating and cooling equipment, guaranteed!

Therefore, after reading this chapter, contact and schedule an appointment with your preferred heating and air conditioning professionals today but make some they are licensed, insured, have an excellent rating with the Better Business Bureau and or

Angie's List and that the company maintains a reputation for being a reputable, trusted and relevant HVAC business.

You will not regret it in the long run. You'll keep warm and comfortable, pay the lowest possible utility bill and avoid costly and untimely winter breakdowns as well!

CHAPTER 20

Tips for Keeping Your Air Conditioning System Powerful and Efficient

Many people neglect to maintain and service their air conditioning systems until they experience a cooling problem. This often results in poor airflow, increased utility expenditures and the need for replacement parts.

Air conditioning systems are among the most costly appliances that homeowners will ever purchase. The good news is that they are relatively affordable to maintain and service. The following are some air conditioning servicing suggestions that can help you extend the life of your air conditioner while also saving money on cooling expenditures and maintenance charges.

While not everyone is experienced enough to repair old parts within their condenser unit, there are still some things you can do to keep your air conditioner in good working order.

We'll begin with the most prevalent source of air conditioning inefficiency and suggest that you replace your filter immediately. The filter currently installed within your machine is almost certainly identical to the filter installed last year and possibly the year before that.

Filters become clogged with dirt and debris, impeding the airflow required for your machine to operate correctly. Also, a clogged filter can have another, more expensive, adverse effect.

The evaporator can freeze and if this occurs, you will phone a service expert on a hot summer day. Filter changes are recommended at least once every 30 days throughout the summer and the cost of new filters is readily offset by your machine's efficiency.

If you have covered the top or sides of the condenser with lattice, plants or any other aesthetically charming building or garden, now is the time to remove it. Covering the condenser unit impairs airflow; therefore all plants and other covering materials should be maintained at least 24" away from the unit's sides, with nothing covering the top.

You should not wait until you notice strange sounds or smells coming from your machine to have it inspected; having an air conditioning technician perform maintenance on your unit once a year can save you much money in the long run, not to mention the complete discomfort you'll experience if your machine breaks down on the hottest day of the year.

Consider having an AC repair technician perform a tuneup on your unit in the spring before the weather warms up. This will provide you with peace of mind for the next summer months and ample time to save for any necessary repairs.

CONCLUSION

While most homeowners strive to be proactive with their home and vehicle upkeep, in reality, it may be a full-time job. Along with raising children, caring for an elderly parent, paying utility bills, vehicle payments, oil changes, laundry, lawn maintenance and working a full-time job, the stress overload takes a toll. The air conditioning system is one element of maintenance that cannot be neglected or put off.

The most effective way to tune up a homeowner's air conditioning system is to have a licensed professional specializing in HVAC test check and repair the air conditioning equipment before the summer heat.

The issue with waiting until a malfunction is observed during the summer months is that there is typically a two- to three-day wait for a service technician to make a house call because of the high demand.

Consider the worst-case situation. Each year, the average temperature has risen. According to the NOAA National Climatic Data Center, about 1,250 people died directly due to heat exposure during the summer of 1980. Summer 2006 brought high temperatures well into the 120s to regions of South Dakota.

A rural farm in South Dakota even reached 130 degrees. At least 225 deaths were because of the heat that summer. Between 1936 and 1975, around 20,000 people perished because of heat and sun radiation. This has been a problem for a long period.

Even in northern states such as Wisconsin, Minnesota and Michigan, where most people associate with colder weather, severe heat is often encountered. The young and elderly are vulnerable to heat.

Therefore, it is especially crucial to ensure that the home's A/C is ready to be taxed every summer. Carbon monoxide has traditionally been referred to as the silent killer but heat is another silent killer that is sometimes overlooked until it is too late.

We know we can either pay a small sum for periodic maintenance or a significant amount later for a major repair. Similarly, your air conditioning device operates on the same premise. If you neglect to service them regularly, you may end up with a hefty charge.

The air conditioner is a very durable gadget that can endure any form of damage and continue to function well. While this is an excellent feature, it can occasionally result in carelessness towards its maintenance. As with any other technology, air conditioners require routine maintenance to operate at peak performance.

If you do not maintain your air conditioner regularly, it will lose approximately 6% of its true efficiency each year. Regular tuneups enable them to maintain approximately 96% of their true efficiency.

Air conditioning servicing includes checking the compressor's air draw, cleaning the condensing unit's coils, oiling the fan motor, inspecting the belts for proper placement and ensuring that the unit's operating temperature and pressure meet the manufacturer's standards. Also, a mechanic would check the coolant level in the unit. If the coolant level is low, additional coolant must be supplied to restore proper operation to the machine.

Apart from the annual maintenance, you may take many other procedures to maintain proper AC unit operation. You may purchase high-quality filters and have them replaced regularly.

You should keep items away from the air conditioners exterior. Another excellent notion is to keep your residence's air supply outlets open. When supply outlets are closed, the entire system suffers.

When you create a habit of servicing your air conditioners regularly, they regain their optimal performance and do not experience any big outages. Indeed, they function more effectively to increase your comfort. Also, you repay the cost of annual maintenance through savings on your electricity bill and almost no repairs between tuneups.

Employing an HVAC professional to service the air conditioning system yearly, a conscientious homeowner may relieve some of the tension and get peace of mind that the air conditioning system is operating efficiently. This is a tiny sum to pay to avoid the ultimate cost.

Guy's Air Conditioning and Heating Services are the experts when it comes to heating and cooling and are committed to making sure your home always feels better after we leave!

Nobody wants to be stuck in a home with uncomfortable indoor temperatures, and our certified technicians can be at your door right away whether you need HVAC repair, replacement, or maintenance.

We are locally owned and operated which means we care about the needs of our community and treat each of our customers like family. We understand what it's like to need HVAC repair in Texas, which is why we're the best company for the job when your air conditioner or furnace stops working.

For more information, kindly contact us on our website http://www.guysac.com or give us a call at (281) 306- 9875. Give us a call today and start feeling better instantly!