Troubleshooting Of Air Conditioner – 9 Most Common Problems To Fix

Now we’re going to take a look at the troubleshooting your central air conditioner. We’re going to look at the ductless split type systems before doing too much troubleshooting.
Cleaning The Unit And Changing The Filter

You need to make sure that the maintenance routine maintenance has been done on your unit such as cleaning the unit and changing the filter. And my experience that the usually takes care of about half the problems that people have with their systems after you’ve made sure that the unit itself is clean.

Temperature Setting On Thermostat

Then next place you wanna start is your thermostatic if your indoor fan is not running. First check the temperature setting on your thermostat make sure that it’s set lower than the actual room temperature believe it or not that happens.

Sometimes also what you can do is turn the fan switch to on and then see if the fan on the furnace or air handler comes on. If it does then it could be a problem with your thermostat and if it doesn’t then it could be a problem with a breaker or with the motor is so.

Check Breaker Box Or Fuse Box

If your fan does not come one then you want to check make sure that you have power to the furnace and that can be in a breaker box or fuse box. Now this is just a typical breaker and shown in the off position.

Check Circuit Wiring

If it's in between the on and off position that’s a sign that it is tripped and if the breaker is tripped you can reset it and see if it works if it the trips again then you have a problem with either your wiring or something in the circuit. And then that you want to check all the wiring in your furnace or air handler make sure there’s no problems with it continue to trip then you want to look more into the electrical.

Check blower motor

If the breaker was not tripped and the blower motor still not running then you need to check on the furnace itself. It could be the control board the blower motor or it's wrong capacitor it could be the
problem. If your furnace has a sight glass on it you can look through there and see if you see a green yellow or a red flashing light.

**Check Condensate Pump**

If you do that tells you that that the there’s power to the control board and also if it’s a flashing rapidly it usually tells you that the control board is trying to get the air conditioner to run. And if you do have power to it some on some purposes you’ll have a condensate pump just a little pump and get rid of the drainage from the air conditioner.

**Check Condensate Drain Line**
Those typically have a shutoff built into them in case that the pump fails once the water builds up to a certain level it will shut off the low voltage power to the furnace. So if you do have one of them you want to check to make sure that the condensate reservoir is not falling that the pump is functioning another common that complaint for your air conditioner is that there’s water around on the floor around the air handler or furnace.

That can be caused by a blockage in the condensate drain line this is condensate drain line typically on a air conditioner and if this line gets some gunk in it over time then it can block up. And then the back up into the drain pan so if you’re having that problem you can simply make sure that this line is clear.

**Check Air Handler**

And also make sure that the inlet to the line is clear if the blower on your furnace is running and you still don’t have sufficient cooling. Another thing that you want to look for while you’re at the furnace or air handler is check to see if there is any frost or ice buildup. I usually you’ll notice it on the refrigerant lines here or sometimes you’ll notice it just from water dripping off.

But if you see these lines with ice on them then it’s a sign that there’s a problem with it. If there is ice buildup on the lines or you notice it then what you want to do is shut the air conditioner off at the thermostat.

And you may want to turn the blower the fan on on the furnace or air conditioner that’ll just help it to thaw out you should wait about two hours at least just for the ice to melt before you continue with your troubleshooting. If you don’t see any ice and the fan loader is running then you should continue your troubleshooting at the outside unit.

**Check Compressor And Condenser Fan Motor**

Hey continue your troubleshooting outside and thing to look for is if you see the condenser fan motor if it’s running or not it’s a fan motor is running but the compressor is not that you can net and focus more on the compressor type components you want check make sure the power is on the disconnect switch is on.
If there's any fuses outside make sure that they’re good if the compressor is running with the fans not then you can focus in longer and that’s a fan motor. Other things to check is the contactor check to make sure you have power coming to the if the compressor and the condenser fan motor are both running.

And you still don’t have sufficient cooling then you want to check the refrigerant charge if you’ve gone through all these steps and you’re still having a problem with your air conditioner. Then some other typical problems are if you have insufficient cooling still it could be because of the size of the air conditioning unit itself especially.

If you’ve done any remodelling adding on any major changes to your home that affects the load on the air conditioner. And it could in fact be too small now a lot of times it also happens on new homes unfortunately a low calculation is not done.

Sometimes the unit is either too small or too big and if it’s too big it just simply doesn’t run up. You’ll have a sticky feeling in the house it was too small I will just run all the time and never get to get the house itself cool. But you’ll probably notice the unit being too small on the hottest days a year typically west nineteen ninety five.
So forth basically the unit has to be sized properly for your area of the world typically around here the design temperature is between 95 and 100 degrees. So when it's at hot outside a properly designed system should maintain your house comfortable at that temperature.

If it doesn’t this improperly sighs another problem may be where different rooms in the home are not not an even temperature that's usually due to a problem with the duct system itself usually once again from the improper design.

Basically the way to Thanks that stuff it has to be fixed through dampers are cut basically a checking to see what you the duct system you have and what you should have them and it can be difficult to do.
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