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Simpson pressure washer pump failure

Photo Courtesy: Pixabay Pressure washers cut down on the amount of scrubbing you need to do and make those outdoor cleaning tasks a lot easier. Just as there are several types of cleaning jobs, there are several types of pressure washers to handle those jobs.No matter if you're just trying to clean your patio after a long winter or need to clean the entire exterior of your two-story home, these top-rated pressure washers will help you tackle those tasks. MORE FROM CONSUMERSEARCH.COM Simpson Cleaning pressure washers are known to be a reliable brand. They manufacturer both gas and electric models that come with a variety of options. To keep them in good shape, maintenance is essential. But even with proper care, there can always be a problem. This article will help to troubleshoot your Simpson Cleaning Pressure washer and fix the problem. Simpson Cleaning Pressure Washer Troubleshooting: To troubleshoot your Simpson Cleaning pressure washer, the first step is to identify the type of problem. Is the pressure washer not producing the correct pressure? Is the output pulsing high and low? Is there a motor or pump problem? Or is the pressure washer pump or another part of the machine leaking? Knowing the type of problem, you can use our diagnose table to find the cause and solution. Through this article, you will learn how to troubleshoot your Simpson cleaning electric and gas pressure washer. I will also look at the reasons behind the low pressure of your Simpson Cleaning pressure washer. And, if you have a gas pressure washer, how to clean the carburetor yourself. How to Troubleshoot a Simpson Cleaning Pressure Washer Use the following table to diagnose and troubleshoot a Simpson Cleaning pressure washer. There is a separate part for Electric models, Gas models, and we start with problems that apply to both Gas and Electric Models: ● Troubleshoot a Simpson Cleaning Gas and Electric Pressure Washer: ● Troubleshoot a Simpson Cleaning Gas Pressure Washer: ● Troubleshoot a Simpson Cleaning Electric Pressure Washer: ● Simpson Cleaning Gasoline Pressure Washer troubleshooting in more detail: We will look at some of the troubleshooting steps in more detail. If the power system of your pressure washer is gas or diesel, then the problem is often with the engine. To diagnose this problem, start the pressure washer without connecting the high-pressure hose, and if your engine is not throttling up, then it means that there is an issue with the engine of your pressure washer. Step 1: Check the battery If the engine of your pressure washer isn't starting, you may have a battery issue. First, examine the battery terminals of your pressure washer for any dirt or loose connections. Tighten the connections and remove any dirt from the terminals. This ensures the proper flow of current. If the problem still isn't resolved, check the condition of the battery. You can use a battery tester for this. Charge if needed. If the battery is really old, replace it. If you have an older type, add electrolyte if the level is low. Step 2: Check the fuel and filter If you are still unable to start your pressure washer engine, then in the second step, check the fuel and fill it to the appropriate level. Also, inspect the fuel filter. If it's clogged because of any dirt or unnecessary contaminants, then clean or replace the filter depending upon its condition. Also, check the gas tank, as this is the most likely culprit. If you leave the fuel in your pressure washer for some time, part of the fuel evaporates (bad gas). The evaporated fuel leaves behind some thicker particles that can clog the fuel filter and carburetor. This can already happen after a few months. It can result in your pressure washer stalling or not starting. I recommend draining the old fuel and replace it with some fresh gas. A more straightforward solution is to add some fuel stabilizer when you plan not to use your pressure washer for some time. Do not forget to add it to your gas storage as well. Suppose the engine of your Simpson pressure washer stops when you trigger the spray wand and apply some force on the pressure washer. In this case, you need to read the instruction manual for the recommended engine speed and adjust the unloader valve according to the given specifications. Examine the nozzle at the tip of your pressure washer and replace it with the correct nozzle size. Sometimes after using the same nozzle on different surfaces at different RPM ratings, the nozzle wears out, leading to the pressure washer stalling. ● Simpson Cleaning Electric Pressure Washer troubleshooting in more detail: In the case of an electric pressure washer, the electric motor is the probable cause behind issues with your pressure washer. Step 1: Check the power supply If the electric motor of your pressure washer isn't working, then the reason could be that there's no electrical power. Examine the cord, plugs, and wall socket. Check the wall plug with another appliance to ensure that it is working fine. Suppose the motor did work just before. There could be an overheating issue. Sometimes, the motor trips because of overheating. In this case, reset your pressure washer manually through the thermal switch outside the motor after it has cooled. Step 2: Check the timer If your electric Simpson pressure washer isn't working properly, a faulty timer can also be the reason behind it. To resolve this problem, disconnect the leads from the timer and examine the machine. If your pressure washer doesn't turn off after the time out, it means that the timer is faulty and you need to replace it. Step 3: Check the water supply Sometimes, the source may not supply enough water to your pressure washer and can result in cavitation (air bubbles). If you notice these air bubbles, check the water supply from the hose going to the air compressor. If this looks fine, examine the pump packings. If they are worn, replace them. ● Simpson Cleaning Pressure Washer Pump system troubleshooting in more detail: Pump starvation is one of the main reasons behind a bad functioning pump. A pressure washer needs enough water to function correctly. Ensure that the intake lines are not kinked or clogged. Check that the hose is supplying enough water to the pump. If your garden hose is long and has many kinks, it is possible that it does not produce enough pressure and Gallons Per Minute (GPM) for the pressure washer to work correctly. Check that the faucet is fully open and use a shorter hose. Step 1: Check the pump If you have problems with the pump, first check the head of the pump. If there's no visible damage, check the inlet valve of your machine for any dirt blockage. Over time, dirt and debris gather inside the inlet filter. After clearing any dirt and debris from the pump valve, examine the pump seals and check for any excessive wear. Inspect the piston seals for any water leakage. If this is the case, it means that your seals are damaged. In that case, it is the reason behind the low pressure on your pressure washer. Step 2: Check For Any Simpson Cleaning Pump Oil Leakage Check the pump oil level. This is something you need to do regularly. If the pump oil runs low, it will get hot quickly. Also, check how the oil looks. The pump does not have an oil filter like a gas engine. This oil filter cleans the oil. In the case of the pump, check it manually. If the oil looks dirty, you have to replace it. Examine the drain plug for any oil leaks due to a damaged seal. If this is the case, you have to repair or replace the seal. There's also possible oil leaking from the crankshaft, oil sight glass, or the piston oil seal. I recommended examining all the seals thoroughly. If there's any oil leakage, replace that seal. Step 3: Loose belt Another important step in troubleshooting low water pressure is the belt of your Simpson pressure washer. If it is loose or slipping, it can result in a decrease in pressure. If your machine has a belt, check it. Tighten or replace the belt if needed. Why is My Simpson Pressure Washer Not Building Pressure? Many factors affect the pressure of your Simpson Cleaning pressure washer. The most important factors to check are a worn nozzle or a blockage in the system. A loose or slipping belt, air leakage, or a problem with the unloader valve can also be the cause of low water pressure. Over time, every pressure washer loses some pressure due to wear and tear. With proper maintenance, you can ensure that this is limited. Following are some of the most common factors that could be the reason for the low pressure of your pressure washer: ● Reason 1: Worn Nozzle If your pressure washer isn't building any pressure, the most common reason behind this is that the nozzle of your pressure washer is worn. Before using your pressure washer, check the nozzle and replace it with the proper size and color when necessary. ● Reason 2: Loose Belt If your machine has a belt, it can be loose or slipping. Tighten or replacing the belt. If it looks worn, I recommend always replace it. ● Reason 3: Air Leakage Air leakage can be a reason for lower pressure when some air leaks through your pressure washer's internal plumbing. High air pressure is significant to maintain the high pressure of the water. You can fix this problem by disassembling your pressure washer, fixing the area through which the air is escaping, then reassembling the pressure washer. ● Reason 4: Dirt in the nozzle Over time, your pressure washer can collect some small particles that can clog the nozzle. This can result in lower pressure. Often you can see this because the spray pattern of water from the nozzle looks different. To check if this is the case, use a different nozzle. You can fix this problem by simply cleaning the nozzle. If it is too worn, replace it. Sometimes minerals or dirt also get stuck in the high-pressure hose, resulting in a lower output water pressure. You can try to clean the hose with a thin metal rod, or replace it. Suppose your pressure washer is producing a lower or erratic output pressure. The unloader valve diverts the water flow towards the inlet. When the unloader valve fails to do this, a lot of pressure builds up in the electric pressure washer. The motor will be under a lot of strain, needs to supply a lot of power driving the pump, and ultimately shuts off. To solve this problem, carefully inspect the unloader valve's springs and other components. Readjust the valve or replace the damaged parts of the valve or the whole valve if it's fully damaged. ● Reason 6: Pressure Pump Dirt and small debris gather inside the inlet filter. This can add up over time. When you notice a lower output pressure, check the inlet filter. You can easily clean it with an air compressor. If your machine doesn't have an inline filter, I recommend adding one. This will improve the lifespan of your pump. How do You Clean a Carburetor on a Simpson Cleaning Gas Pressure Washer? Generally, you can clean the carburetor on a Simpson Cleaning gas pressure washer by first removing the gas from the tank. Remove the throttle cover and the air filter and disconnect the fuel line. Loosen the screws and pull out the carburetor. Remove the remaining gas. Examine the carburetor for any dust, corrosion, or sticky residue. Spray the carburetor cleaner inside it, and let it do its work. Inspect the jet passage. If it's blocked, spray the carburetor cleaner inside it as well. Finally, check the gasket that holds the carburetor bowl to its body and ensure that it's not worn. Otherwise, replace it. Assemble the carburetor and check if the engine is working fine. If you noticed some sticky residue in the carburetor, this is due to bad gas. Gas turns bad after it's a couple of months old. If you plan not to use your Simpson Cleaning pressure washer for some time (more than a couple of months), drain the gas. Alternatively, you can add some fuel stabilizer to the tank. This will prevent the gas from going bad. Do not forget to add it also to any gas you store and not use.

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