

Continue



Chosen Solution Dave, according to the service manual there are a few possibilities Sud - SUDS LOCK (Overdose of Detergent detected during the Wash Cycle) The motor control unit senses a suds lock condition by analyzing the current draw on the drive motor. If Sud is displayed a potential suds lock is detected. This may signify a bad pump, an extra heavy load, excessive detergent, or excessive suds. If too much detergent was used, run the unit through a Rinse/ Spin cycle then a Normal cycle without adding any detergent. This should clear the unit of the excess detergent. Check the drain hose and make sure it is not plugged or kinked Check Wire Harness connections to the Drain Pump, Pressure Switch, and Central Control Unit (CCU) Check/ Clean Drain Pump Filter of foreign objects Check Drain Pump Check the Pressure Switch Check CCU To make your job easier, try to download the manual from the bottom of this page Good luck and I hope it helps. Here is an image showing the location of the pressure switch I had the same problem. I did two things: 1) Clean your drain from the wall all the way inside the machine to the drain pump. This will take some time, a star screw driver, and some large mouth pliers, use the pliers to loosen the hoses on the outside and inside of your machine. I used my hose pipe to wash the clogs and debris out. I was amazed at how much junk came out. Put all the hoses back together. 2) Take off the bottom front panel (3 screws). You will see the drain pump and a large circular screw. This is your drain filter. Unscrew it, clean and replace. This should take care of your problem. Hello... Sud which equates to an error message in reality at least in my case, I have a Samsung Front Loader (est cost 1200.) I washed a single 18 x 18 fairly solid couch type pillow by itself and used too much of a cleaner called LOC from Amway, LOC High Suds to be exact, logic tells me that is why I got the error message and from observing the load at the time it was half way filled with Sud's. This can be harmful to the pump I would imagine given the amount of additional pumping and the fact that its pumping out foam instead of solid water as it normally should. I simply restarted the load without additional detergent. Funny how simple things are these days if one spends the extra cash for those bells and whistles. The end result is the ability to receive error messages, coupled with common logic and of course the internet as a third backup it boggles my mind to think of it all... Moral of the story might read like this... Gone are the days of complete and utter ignorance unless it is by one's choice of course... Kenmore Elite HE5T Steam model #110.47797800 First off, I really appreciate everyone's posts! For the last few frustrating days of our own SUD/F-35 troubleshooting, they've been a great source of help. We're not out of the woods yet, but I hope we'll once again be doing laundry once our parts come in. Like most on here, I've tried various steps without success. Here's our tale: 1. The lock had been locking, unlocking, locking again for awhile with no SUD/F-35 code. I didn't think anything of it until now. This time, once locked, the water started filling the tank. Before it could finish, we got the blinking SUD code. We waited for that to fix itself and then we got the F-35 code. We pressed STOP. 2. So we tried the vinegar solution. It worked for 1 wash. Then we were back to #1. We tried the vinegar again. Back to #1. 3. We tried the diagnostic test. The washer had no problem working through 00 - 09 with no SUD/F-35 codes. 4. Just short of kicking the machine, we kept trying the Express Wash Cycle just in case it would magically start to work. Nope. It took us back to #1. 5. Stumped, we bought and installed the Washer Water Level Pressure Switch (part: W10415587) AND the Water Level Pressure Switch Hose (part: W10004260) ... and we were back to #1. Nuts. 6. Tried the Drain-Spin cycle. Heard water draining, but within first minute, the SUD code appeared. Grrr... We waited for a bit and were met with a F-35 code. 7. After reading on the Sears' Part's Direct webpage that we should check the wires leading from the Pressure Switch to the Control Board, we checked. They looked good. 8. Reread #oldturkey03's post above and a few others and decided to look at the clear Washer Drain Hose to see if water was actually moving through it. That's when we realized it was quite dirty and dark gray inside. We removed it. 9. We also removed the Washer Tub-to-Pump Hose and found that the opening (ball side) was rather tattered and torn. 10. So, this is where we are now ... waiting for the arrival of our new Washer Drain Hose (W10003250), Washer Tub-to-Pump Hose (W10003240/WPW10467168) and Washer Drain Pump Assembly (W10117829/W10130913) to arrive from Amazon. We figured we'd better replace it all, just in case! We hope it solves our code issue and our dirty laundry! lol hehe DON'T BUY THE OVERPRICED SENSOR fixed my SUDS/F35 for \$1.50 with two "2200uF 16V Electrolytic Radial Capacitors", a soldering iron, and a 1/4 nut driver. Here's how... Remove the CCU from the machine, open it up and remove the two Green 2200uF 10V" capacitors, replace them with the new 2200uF 16. capacitors. Put it all back together. Plug it back in and Enjoy!! My take on the issue. The 10V capacitors simply aren't good parts. Notice the old one (green and gold one) is bulging at the top slightly. These should not bulge. The voltage output and capacitance has been reduced by the breakdown of the cheap capacitor. I paid more for shipping than I did for the parts. Also, anyone that doesn't want to do this themselves. Ship me your ccu and I'll do it for \$50. That'll cover me shipping it back and replacing the capacitors. I bought 2 extra. Since they were so cheap. Another cause the manual does not mention is that the internal filter is full/blocked. It's fairly straightforward to fix, but you do have to tip the machine, open it and clean the filter. That worked like a charm for me in the past. My Kenmore elite He 5t is having a error of E51 does anyone know something about this please help I did the test and still . Don't know... My Kenmore Elite HE3t SUD error message lit up but there actually was too much suds inadvertently (first time this happened). Not knowing what was going on, I pressed the cancel button and the controls locked up so I can't do anything now and the machine paused with the SUD message blinking. Is it OK to unplug the machine and see if the panel will reset itself so I can run a wash cycle? Is this dangerous or harmful in some way? Must I have a repair technician diagnose the problem? I checked and the machine is not on control lock mode. THANK YOU! This worked. I turned it off at the circuit breaker last night, waited 1/2 hour, turned it back on and no lights came on the machine - good sign. This morning I rinsed the blanket twice, then ran another wash cycle on the blanket without soap. The blanket still smells soapy, but I don't care. There is no visible soap in the machine. I'll run the next few loads with no or very little soap. Thank you so much! No repairman needed! I appreciate it! My filter was clogged with change and finish nails. After cleaning it out I was still getting SUDS followed by F05 messages. With the filter out (and power off) I could stick my finger into the hole toward the pump propeller and push it back about a quarter of an inch. The propeller had crept away from the body of the pump which misaligned it with the drain hole. I could see the water in the clear vertical drain tube trying to get to the top of the washer. It drained okay on the wash cycle but not on the drain cycle. I bought a new pump on eBay for \$49 and was back in business. I pulled out two twenties and a lot of lint. That and unplugging for three minutes worked great. The nine year old loved climbing on top to get to the plug! Kenmore Elite model 110.47789701 suds message flashing, after initiating wash cycle. basket will do a part turn, water will flow in, then a pause, after a bit the suds message will flash. We use the recommended detergent. There are NO suds. We also use the clean cycle. In the past I changed the pressure sensor after a F35 fault. This time I did eventually got a F35 fault after the flashing suds alarm. I installed a new pressure sensor. No change. I ran bleach thru the soap dispenser and ran water during the start wash cycle. Then it stopped and went into the fault. I then reset power and went to drain/spin cycle to empty. I did this a number of times to clear out the bleach. I then removed the drain hose and ran water thru it. I then cleaned the basket to pump tube, & cleaned the pump filter. I added water back into the drum & blew into the pressure sensor tube into the drum. I could here water gurgle. I reconnected the tube to the pressure sensor. Now what could it be? A control board? Most Helpful Answer pigterrio okay so lets clarify: UD : The SUD error code is used to indicate there are too many suds for the washer to remove. This is often caused by too much detergent being used or non HE detergent being used in an HE machine. After 4 minute the SUD will be displayed and 4 minutes later the F02 will be displayed/ Check the drain hose and make sure the hose is not plugged or kinked Press pause/cancel twice to clear the display Run the machine through a Rinse/Spin cold water cycle then a Normal cycle without adding any additional soap. F35 - ANALOG PRESSURE SENSOR FAILURE This failure is displayed if the analog pressure switch has a calibration error.The "F35" error code is indicating a problem with the water level pressure switch operation. There could be a blockage in the air dome or pressure switch hose. The pressure switch is located underneath the main top on the right hand side. The air dome is located on the back of the tub on the left hand side. If the pressure switch hose and the air dome is clear of any blockages the likely failure is the water level pressure switch. Check if pressure hose is fixed correctly. Check if the Air trap/Air dome is not blocked. Check if the hose is not blocked. You told us that you did replace the pressure switch but not if you replaced the tube or at least checked it. Let us know what you find. Bob, according to the service manual there are a few possibilities Sud - SUDS LOCK (Overdose of Detergent detected during the Wash Cycle) The motor control unit senses a suds lock condition by analyzing the current draw on the drive motor. If Sud is displayed a potential suds lock is detected. This may signify a bad pump, an extra heavy load, excessive detergent, or excessive suds. If too much detergent was used, run the unit through a Rinse/ Spin cycle then a Normal cycle without adding any detergent. This should clear the unit of the excess detergent. Check the drain hose and make sure it is not plugged or kinked Check Wire Harness connections to the Drain Pump, Pressure Switch, and Central Control Unit (CCU) Check/ Clean Drain Pump Filter of foreign objects Check Drain Pump Check the Pressure Switch Check CCU So check on that for the Suds error. For the not draining, it might be a clogged pump or hose. It is entirely possible that small objects get into the water drain system and clog the hose or the pump. Remove the hose from the pump and the drain plug from the filter at the water pump and clean it out. 1. Take off the lower front panel.Remove the bottom front access panel just remove the 3 Torx screws on front bottom of machine. Slightly lift the panel and pull the bottom towards you 2. Turn the pump filter cover counter-clockwise by hand and remove. Place a bucket or pan underneath it since you will get the water spilling out of there. Removing the filter should remove all water from your washer. If the washer still won't drain water the drain pump might be defective. Get the service manual from here to review your diagnostics codes and for a possible replacement of the drain pump if required. Hope this helps, good luck, Mike, according to the service manual there are a few possibilities Sud - SUDS LOCK (Overdose of Detergent detected during the Wash Cycle) The motor control unit senses a suds lock condition by analyzing the current draw on the drive motor. If Sud is displayed a potential suds lock is detected. This may signify a bad pump, an extra heavy load, excessive detergent, or excessive suds. If too much detergent was used, run the unit through a Rinse/ Spin cycle then a Normal cycle without adding any detergent. This should clear the unit of the excess detergent. Check the drain hose and make sure it is not plugged or kinked Check Wire Harness connections to the Drain Pump, Pressure Switch, and Central Control Unit (CCU) Check/ Clean Drain Pump Filter of foreign objects Check Drain Pump Check the Pressure Switch Check CCU Hope this helps, good luck. Description The "Sud" error code on a Kenmore washer indicates an issue with excessive suds during the wash cycle. This can prevent the washer from cleaning clothes effectively and could also lead to overflow during the spin cycle.Here's what the Sud error code means and how to troubleshoot itCauses of Sud ErrorToo much detergent - Using more detergent than recommended for your washer model and load size can create excessive suds. High-efficiency (HE) washers typically require much less detergent than traditional washers.Non-HE detergent - If you're using a regular detergent in a high-efficiency (HE) washer, it can create excessive suds because HE detergents are formulated to produce lower suds.Incorrect detergent type - Using fabric softener or other laundry additives that aren't designed for automatic washers can also contribute to suds buildup.Reduce suds - If the wash cycle is still ongoing, allow the washer to sit for 30 minutes to allow the foam to subside. Then, run a drain and spin cycle only to get rid of the sudsy water.Check detergent usage - Consult your washer's user manual for the recommended detergent amount for your load size and washer model. Always use an HE detergent for HE washers.Clean the dispenser drawer - Over time, detergent residue can build up in the detergent dispenser drawer, which can contribute to suds issues. Clean the drawer with warm water and a mild detergent.If the Sud Error PersistsThere might be a clog in the washer's drain system or a problem with the water level sensor. In such cases, consulting a qualified appliance repair technician for further diagnosis and repair is recommended.Here are some additional tips:Look for the recommended detergent amount directly on your Kenmore washer. Some washers have a fill line indicator on the detergent dispenser drawer for HE detergent.Using a high-quality HE detergent designed for automatic washers can help prevent suds issues.Avoid overloading the washer, as this can also contribute to suds problems. Mike, according to the service manual there are a few possibilities Sud - SUDS LOCK (Overdose of Detergent detected during the Wash Cycle) The motor control unit senses a suds lock condition by analyzing the current draw on the drive motor. If Sud is displayed a potential suds lock is detected. This may signify a bad pump, an extra heavy load, excessive detergent, or excessive suds. If too much detergent was used, run the unit through a Rinse/ Spin cycle then a Normal cycle without adding any detergent. This should clear the unit of the excess detergent. Check the drain hose and make sure it is not plugged or kinked Check Wire Harness connections to the Drain Pump, Pressure Switch, and Central Control Unit (CCU) Check/ Clean Drain Pump Filter of foreign objects Check Drain Pump Check the Pressure Switch Check CCU Hope this helps, good luck. Chosen Solution SUD The SUD error code indicates that your Kenmore HE3T washer is running a suds-reduction routine. This routine occurs automatically when the washer detects excessive suds inside the basin. The suds-reduction routine gets rid of the extra suds and rinses the load to ensure that none are remaining on your clothing. The code remains in the display until the clothes rinsed so you are aware that it is running. To avoid excessive suds in the future, use only high-efficiency (HE) detergents in your washer. F02 The F02 error code appears if your Kenmore HE3T washer is experiencing a drainage problem. Unplug your washer to disconnect power and examine the drain hose to see if it is kinked, clogged or frozen. In addition, the hose must not exceed 96 inches higher than the floor in order to drain properly, so adjust the hose if necessary. After you resolve the problem, plug the washer in and select your chosen cycle again. Press the Start button to activate the cycle. Most Helpful Answer When I was getting "sud" repeatedly on my HE3, I cleaned the drain pump filter and it was the obvious problem when I found what was in there. Takes about 10-minutes. 1. Take off the lower front pannel (3-Allen socket screws across the very bottom) 2. Turn the large round pump filter cover disk counter-clockwise by hand and remove. Be prepared to catch any water draining out. 3. With a set of needle-nose pliers, pull *straight-out* the disc behind the cover. This is a coarse filter that traps large articles (like very small socks) before the drain pump. Don't ask me how they got there, but there was three of them. Clean, re-align and insert filter. 4. Replace the filter cover and lower panel. We had the same problem and, in frustration, replaced the entire pump assembly. Upon examination of the old pump, we removed the motor from the intake filter (three screws) and noticed that the impeller had moved away from the motor armature by approximately 3/16th of an inch. This space between the motor and impeller caused the pump to cavitate, loose suction resulting in the suds routine and other drain errors. We pushed the impeller firmly back into the armature and found that the old pump worked properly. Our machine is 11 years old and we don't know why the impeller shaft would move nor do we know if the impeller will now stay in it's correct position. Anyway, we now have an extra pump assembly! Tip: when reassembling the motor to the filter housing, apply a little silicone grease to the o-ring - this makes reassembly a snap! On the HE3, and other models there is a plastic ball in the rubber drain line which leads to the pump assembly. The purpose of this ball is to detect suds. Typically the ball will be in a down position when the pump is running and in an up position when the machine is filled with water. Normally when the pump finishes draining the water, the position of the ball is "down" however, if there is an over abundance of suds then the ball floats "up". In essence, if the pump is running and the ball is "up" you got suds! A circuit "knows" this and puts the cycle on pause. This is also why the "SUDS" function kicks in when you have a pump problem. It's simple technology and it works great most of the time. However, some folks like to use too much sticky stuff like fabric softener and the ball gets "glued" in the "up" position. With the bottom cover removed and machine un-plugged you can reach in behind the pump and feel the ball which is inside its rubber boot. If you suspect that it's "stuck with gunk" it can be massaged - Then dump in a good amount of bleach into the washer and run an empty cycle (no clothes). This will help clean out the drain line and free the little ball. Our HE3 washer has been a total stud for 12 years. No repairs, heavy use. But on Saturday afternoon, got the F02 code and it was not draining. Pulled off the lower panel and opened the trap, found lots of junk, but still no drain. I could feel inside the pump that the motor had lots of play, so I figured replacing the pump would be a good move. Problem: It's Saturday night. Parts places closed. But it turns out Sears has parts stores that are open on weekends. Called the Sears parts store on Sunday morning, they had the part, paid about \$145 for it. Installation was a snap. Plenty of help online, as well as printed instructions that come with the part. The hardest part of the job was reinstalling the access panel! Those three little screws are down so low that unless you have tipped your machine back you will find it very challenging to screw them in! With the back and top off, you will see the pressure switch (back right top). Attached to that is a small black hose. Follow it down to the drum and you will see a white assembly (air Trap) that attaches to the drum. With a flash light you can observe how much gunk is in the white assembly. If this is clogged you will have to remove a small screw holding it on, remove the wires and unlatch clip near back. Have small container to catch water as you remove assembly. Once off use a bottle brush or tooth brush to clean out! This gunk stops Vacuum from working due to slow drain and poor suction and produces F02 error. ... 14 on the Diagram is the Air Trap Thank you so much for this posting about the black hose line. We had done everything that had been posted about the drain basket in the front, the drain pump, all the other gizmos and such but this posting about the black line and its attachment that could possibly still be causing the F02. Sure enough this was a culprit along with the drain lines that had a significant amount of gunk caked inside each line. Once the lines were cleaned the washing machine finally did a spin cycle and finished the cycle without a single code. Thanks for posting this, we were minutes from throwing in the towel and calling a service tech. This worked like a charm! Thanks for the tip on the 8 point star tool. Strangely enough I just so happened to have one in my bag of tricks. After opening the drain I found a penny, a bunch of misc mush and a surprisingly large (although thin) circular foam disc. Kenmore's Elite HE3 washer has a comprehensive error reporting system. The error messages appear on the display along with a tone sound. While the error messages aren't written in plain English, they provide codes that can be looked up or if the issue happens often enough, you'll get to know the code's translation from memory. The codes start with the letter "F" and are followed by a two-digit number. There is one plain English code and that's "SUD," which refers to the Suds Routine. Check the display for an error message and identify the error message. "SUD" means that the Suds Routine has run and excessive suds remain and have been detected. "F20" indicates a water inlet problem with no or insufficient water supply. "F21" is a drain problem. "F22" is a door lock issue. Use HE (high-efficiency) detergents if the SUD error shows. Press the "Stop" button twice to cancel the cycle and unplug the washer if "F20" or "F21" shows. In the case of "F20," look for water faucets that aren't turned on, inlet hoses screens that are clogged, or kinked or frozen inlet hoses. In the case of "F21," check the drain hose for kinks, freezing and clogging. Remedy and try the cycle again. Press the "Stop" button twice to cancel the cycle if "F22" shows. Check that the washer door is firmly shutopen it and shut it and try again. Make sure there aren't items blocking the closing of the door. Don't overload the basket. Try the cycle again. Press the "Stop" button twice to cancel the cycle if an error code other than "F20," "F21" and "F22" shows. Choose the "Drain & Spin" cycle if there is excessive water in the machine. Start the cycle again, and call for service if the error message reappears.Kenmore Elite HE3t Front Loading Automatic Washer Use & Care Guide If you have a Kenmore Elite HE3 washer and you are getting error codes, this page will help you to diagnose the problem. The most common error codes for this Kenmore washer is fault code F02, F11, F d, F06, SUD, etc. We will show you below what these error codes mean and the solutions to fix them yourself. Error code F02 This means that the washer has a DRAIN issue. To fix this error code it is recommended to check the drain hose for kinks, and check the drain pump for anything that may be clogging it. Check to be sure the pump filter is not jammed or clogged. Check drain pump electrical connections. Replace drain pump if all else fails. Error code F11 Means that the machine has a communication issue. Most likely the washer has vibrated enough to vibrate wires loose. You will need to remove the top of the washer and inspect the wiring harnesses that go to and from the control board. One of the wires will probably be loose therefore causing this error code. Make sure all wire connections are secure.Error code F d l This fault code means that the washer door has a locking issue. Your washer will attempt to unlock the door 6 times before it displays the error. This error indicates a problem with the door lock mechanism and or door lock switch assembly. This error could also mean there is no communication between the control board and door lock. This could indicate a loose wire between the door lock assembly and the control board. Error code F06 Indicates a problem with the drive motor. The control panel is not able to detect the motors speed and therefore the machine will shut down. When the washer is in a spin mode and this error occurs, the washer door will be locked for 3 minutes. Check wire harnesses on drive motor, motor control unit, and control board.Error code SUD This indicates that the washer has either the wrong detergent or an overload of detergent. SUD means excessive soap suds have been detected. To fix this issue run the washer on a rinse cycle and then on a normal wash cycle and DO NOT add any detergent or clothing. This procedure will reset the washer and remove the excess detergent. If this does not fix the issue, check the drain pump filter. If the above does not resolve the issue, check the drain pump for clogs.Kenmore HE3 Front-Load Washer Disassembly Washing Machine Repair HelpThis video will assist you if you need to take your washer apart Kenmore Elite washer owners manuals and troubleshooting guides are available here Kenmore Washer Manuals 1 Kenmore Washer Manual 2. These pages list all different model numbers of Kenmore Elite washers. Make sure to write down which model number you have before checking for your owners manual. You can type your model number into the search box after the words Kenmore Elite washer on the manual search page.Kenmore Washer HE3 Not Draining How to fix F2 error on Kenmore WasherHere are error codes for Amana, Asko, Beko, Bosch, Daewoo, Frigidiaire, GE,Haier, Hotpoint, Kenmore, LG, Maytag, Samsung, and Whirlpool washers.Here are Washing Machine Error Codes For All Washing Machines. Do you have other suggestions for repairing and troubleshooting a Kenmore Elite washing machine? Please leave a comment below to assist our other readers. From Adam Hintz The F21 error on this line of washers is the machines way of saying the water took to long to drain from the tub. This could be a problem with one of the washing parts including the drain pump itself, how the drain hose enters the stand pipe, or maybe even something is stuck somewhere in the drain system and is preventing the water from flowing properly. Not quite an emergency, but it is an indication of a problem and a problem that can lead to something bigger if not looked into. From Old Turkey on SUD - According to the service manual there are a few possibilities Sud - SUDS LOCK (Overdose of Detergent detected during the Wash Cycle) The motor control unit senses a suds lock condition by analyzing the current draw on the drive motor. If Sud is displayed a potential suds lock is detected. This may signify a bad pump, an extra heavy load, excessive detergent, or excessive suds. 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