



For Sale!

Main Controller Board for a GE GTW460ASJ7WW Hi-Efficiency Washer

Controller Board for a GE GTW460ASJ7WW HE Washer!

Note: While a very popular brand and model, **parts are extremely model specific!** So, if you own one of these, you may wish to invest in a few extra parts now. Here is your chance.

Back Story:

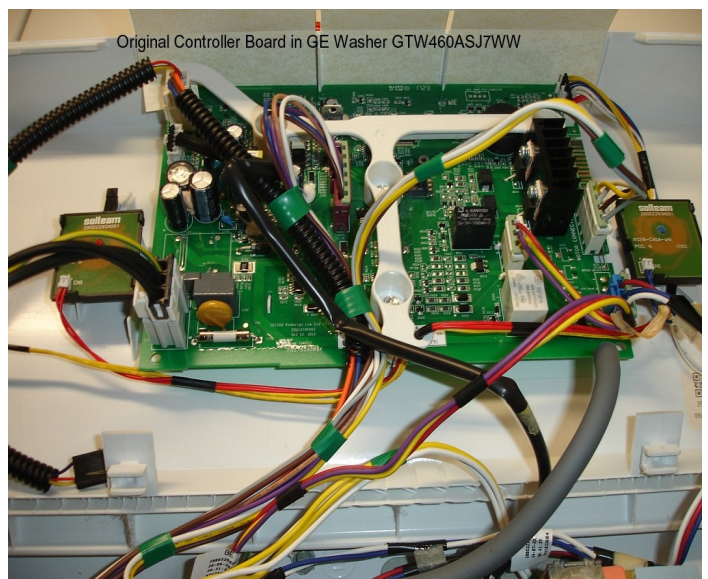
In June 2024, we called an Appliance Repair Shop, for service to our GE Washer, Model GTW460ASJ7WW. It would stop constantly with the lightest load for going out of balance and the washer coming on hours later with all the LEDs flashing and a continuous series of beeping that sounded more like morse code short and slightly longer beeps.

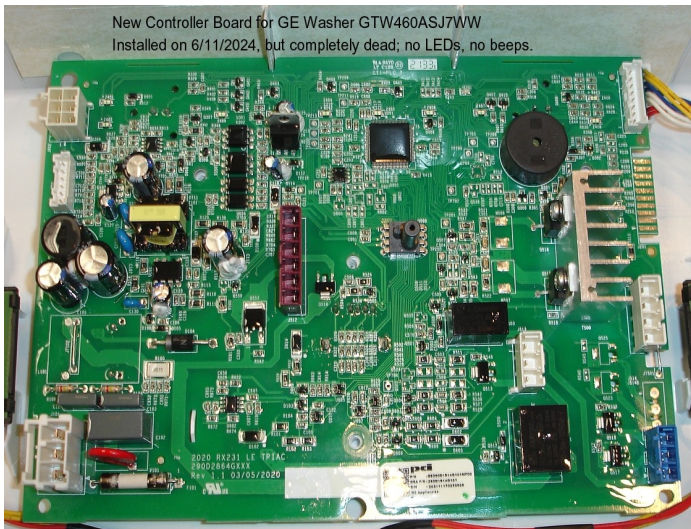
The repairman came and diagnosed that the suspension rods and the main control board needed to be replaced, with the cost of repairs reaching nearly the cost of a new washer! He charged \$133.38, for the service charge.

I searched online and found what I needed. After viewing an excellent video on replacing the suspension rods and determining that I could do that, I ordered the parts.

The parts arrived in great condition and I installed the new parts the next morning. The suspension rod change was easy, as expected.

However, when the new controller board, part number 290D2864Gxxx was installed, it appeared completely dead - no LED lights, no beeps. I tried lifting the lid 8 times in 12 seconds to reset the controller, pushed all the buttons, but no lights. There was one blinking LED on the controller board in the upper right edge that blinked when power was applied.





"I believe you either have a bad lot of boards, or these boards were NOT direct replacements as they had different model numbers, and it was YOUR responsibility to provide your customers with working parts. You will need to determine if other buyers of this board has had issues, and work it out with your suppliers if these were bad boards. I leave this situation in your hands."

I have heard nothing since, not even a request for return.

I found an exact replacement model controller, 290D2226G004, dated October 13, 2016, on Ebay.

I received the new board and found the board works, but had its own issues. Of those, the most critical was that the "Drain and Spin" selection insisted on doing an entire wash cycle - fill, wash, soak, drain and spin! However, the board did confirm that I still had out of balance issues, which made the faulty "Drain and Spin" setting more critical.

Error codes of the board gave errors:

- 26 - OOB on final spin
- 28 - Options knob incorrect
- 27 - Water in tub
- 23 - Lid lock

and after resetting, added 31 - Not able to reach final spin due to OOB.

I reinstalled our original board, again inspected the installation of the new dampner struts, pressure hose to controller board and drain pump, capacitor measured 61uF, even checked that the hose at the drain pump was clear by removing the drain hose and turning the impeller with my finger.

I wish I knew what the washer sensed that causes an OOB error on large loads, but an on-line search found no information on the issue.

I did find that a Samsung washer using similar struts added springs from the struts to the top ring of the washer tub, which would help stabilize the top of the tub. However, inspection of the GE tub showed no place to attach the springs to the existing tub.

Also, I noted that the error codes for this GE washer still mention "Check Balance Ring", which is NOT listed as a part for this washer, unless it is included within part #329, "Tub Cover", except the pictures show a thin cover with nowhere to include a ring containing any kind of fluid! There is also no mention of a balance counterweight in the parts list for this washer.

I called the supplier looking for advice and any magic code. I explained that I had reinstalled the old board, and it worked as usual. The installation was foolproof, being that all the leads were color coded and different sizes. After researching, he replied that it was just 'plug and play' and he would send a replacement.

The part arrived quickly, but upon installation, it also was completely dead.

I called and explained everything again, and was asked if I had read and followed the instructions and inserted a "personality" mode. But to do that, I explained, I would have to have some LED lights and power. The unit was dead. I also explained, again, that I had reinstalled the old board, and it worked as usual.

I was told that my only option was to have a service tech install the boards and determine the problem, AT MY EXPENSE, then call back to arrange a refund, if the boards were indeed inoperative!

After thinking about it that night, I sent an email explaining the situation and stated that I am not about to spend another \$133 for a service tech to verify that these 'plug & play' boards were bad, to get a refund for \$146! And, if I did call, I would feel an obligation to have them install one of their own replacement boards at a ridiculous cost. While I could be doing something wrong, the old board works when I connect it the exact same way.

While the service tech insisted that it is very rare for two boards to be bad, it DOES HAPPEN. All it takes is a batch of bad voltage regulators. I finished with:

Other recommended fixes included checking the Speed Sensor and Speed Sensor Harness, but, if these were bad, the washer would not spin at all, which does work except under a full load.

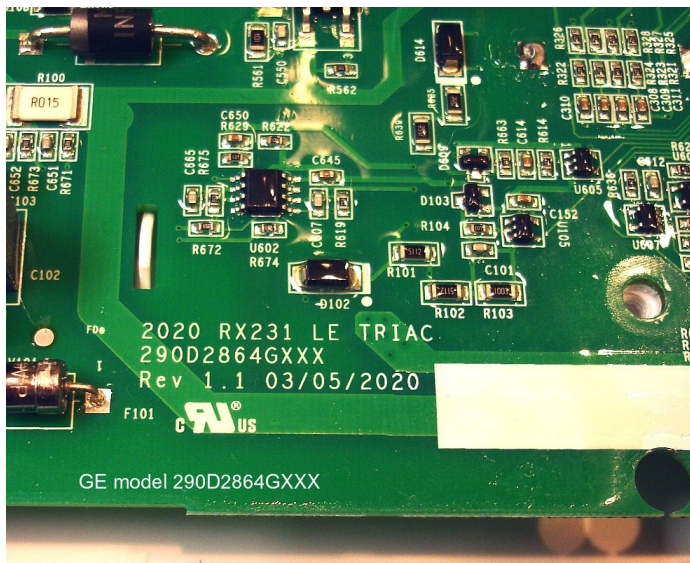
Out of ideas, we gave up and bought a used washer, but it died just outside the 30 day warranty period.

Finally, we bought a new GE washer.

Anyway, we are now stuck with two new boards, model 290D2864Gxxx, that we could not return. We suspect that they will work for exact model replacements, just not in our machine, which had a different model number, but we can offer no guaranty...

CAUTION: Be sure to MATCH the model numbers with your original board before purchase, and DO NOT order or accept supposed replacements.

We also have our working original board, model 290D2226Gxxx that we kept after disposing of our washer. We do not believe that it was causing our issues.



For readers of the 'Z-100 LifeLine' we are asking \$40 per board, a significant savings over the normal list price. The cost includes free shipping.

If you have any questions or comments, please email me at:

z100lifeline@swvagts.com

Cheers,

Steven W. Vagts

