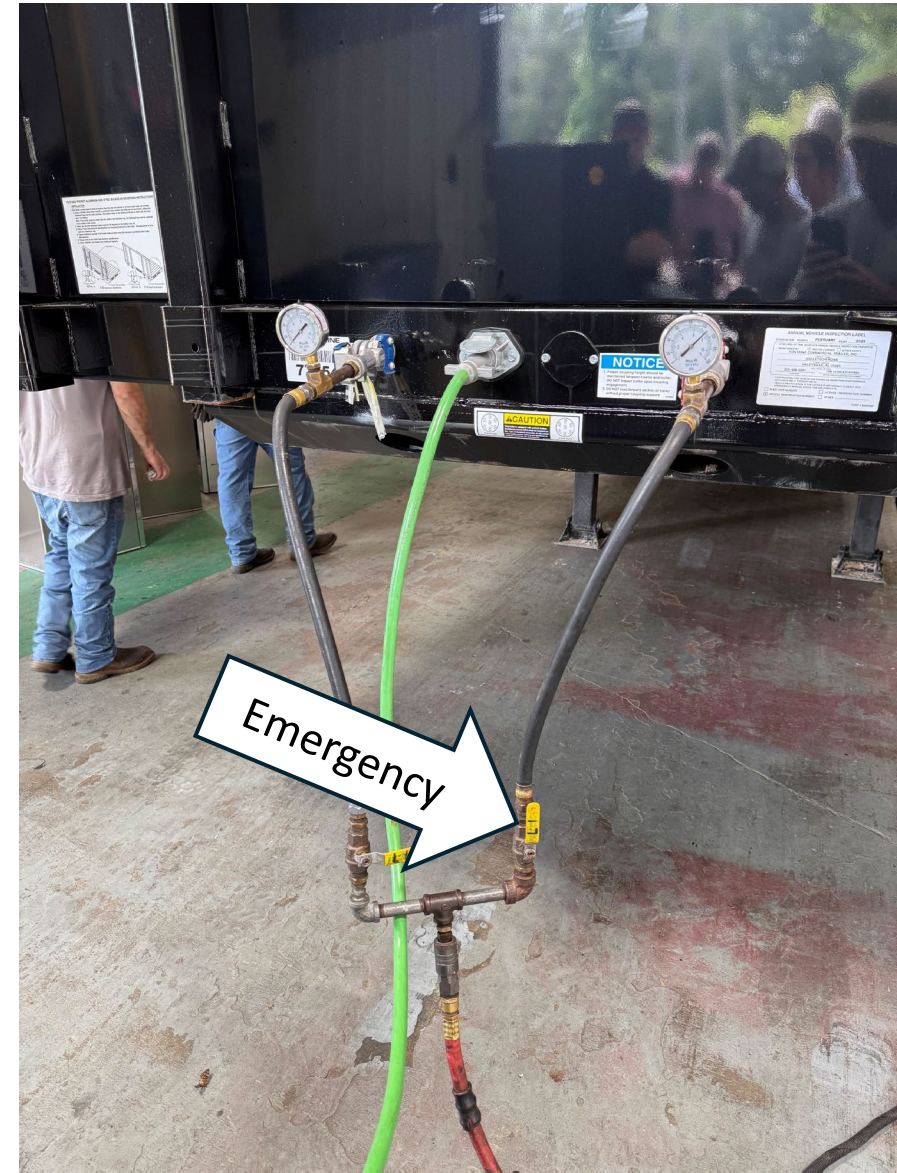
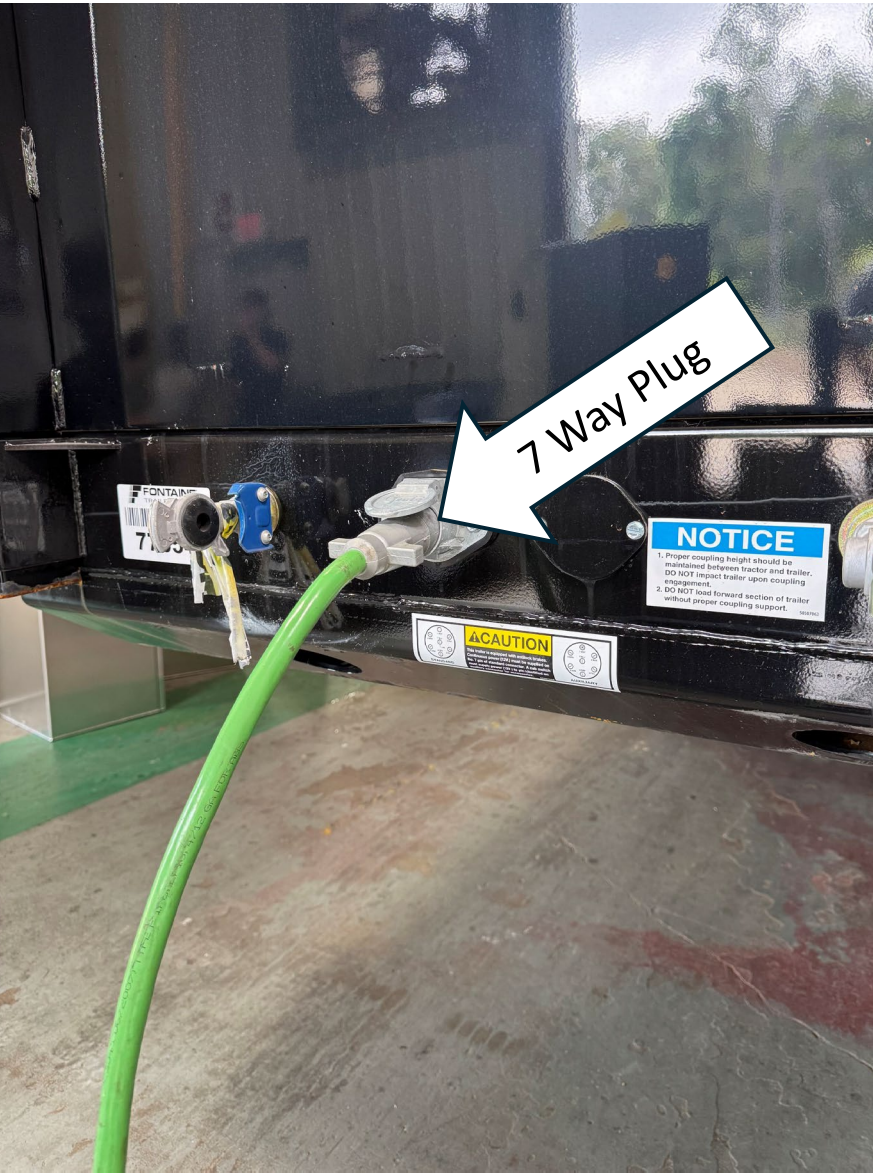
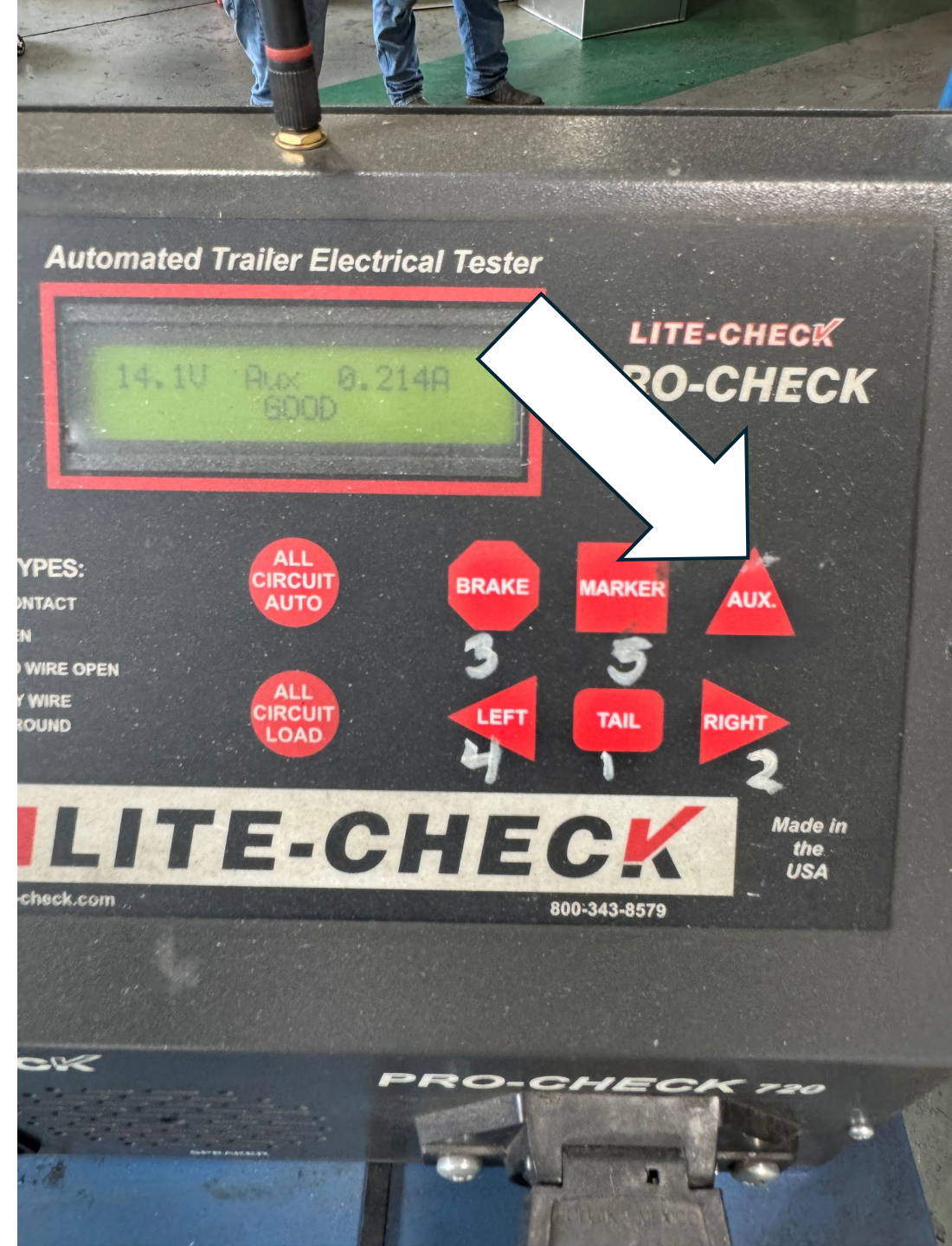


Wabco Weight Sensing Lift End of Line Work Instructions

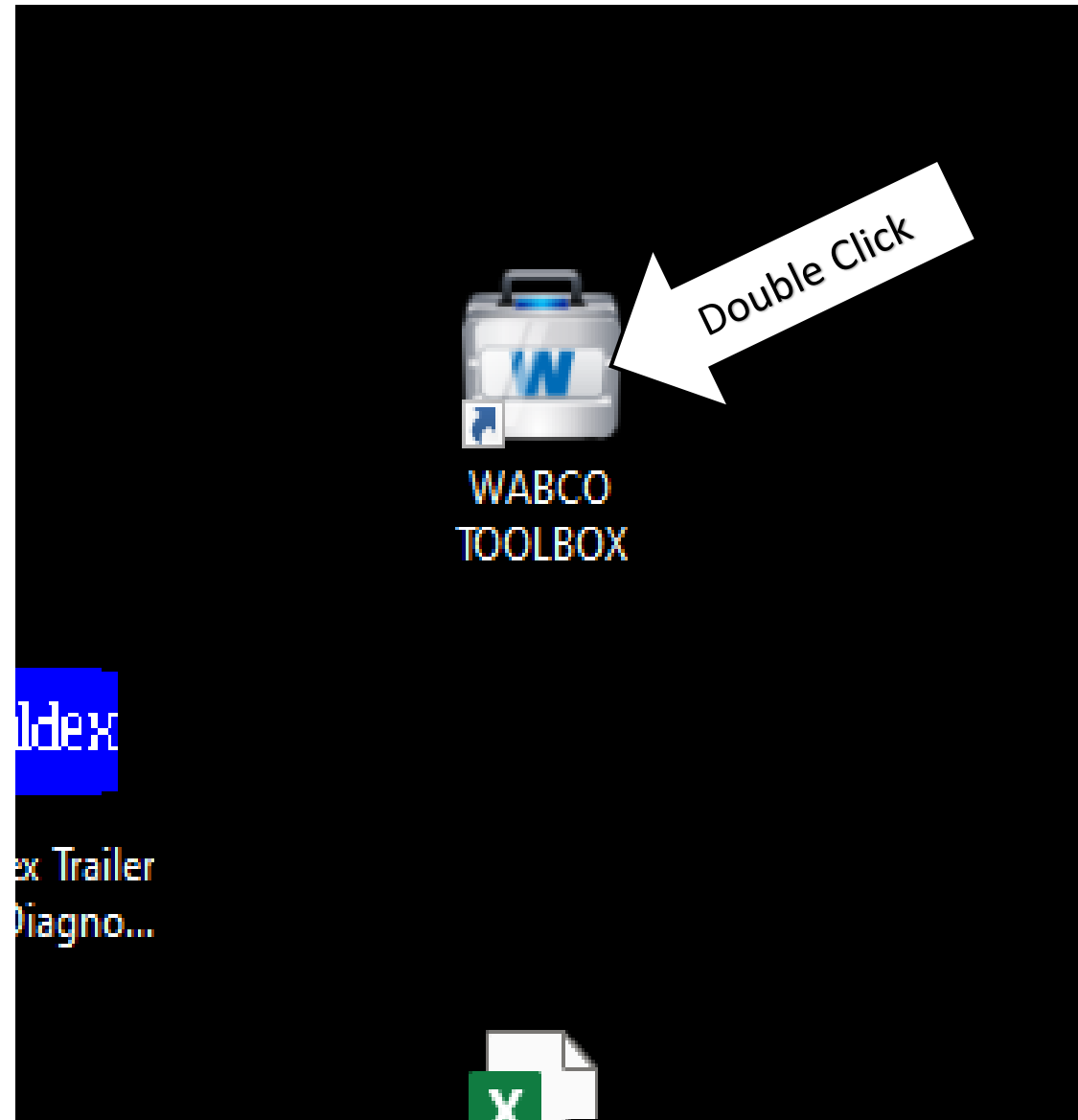
Attach 7 way plug to trailer from light tester(Left). Ensure a good connection. Attach shop air gladhands(Right) and activate the Emergency air(Right side/Red). Let air equalize and move to next step.



Press the Aux button to activate the ABS system. The test will not work properly unless this step is completed.



On the computer desktop, locate the icon labeled “Wabco Toolbox”. Double click icon to launch the test program.



The toolbox will open and on the lefthand menu, locate and select "Trailer ABS" (Left). A box will open warning the user that the test should only be performed a trained associates. Select OK to close box and move to the next step.

WABCO TOOLBOX PLUS 14.5.0.0 - Subscription End Date: S

System Options Help

TOOLBOX

- Truck | Tractor | Bus [J1939]
 - ECAS CAN2 (OptiRide)
 - Hydraulic ABS (SmartTrac)
 - OnGuard
 - OnLane
 - OnSide
 - Pneumatic ABS/EBS
 - EPHS
 - OnGuardMAX1 NA
 - OnSideAlert (SRR)
- Truck | Tractor | Bus [J1708]
 - ECAS - Truck & Bus
 - Hydraulic ABS
 - Pneumatic ABS
- Trailer [PLC | J1708 | CAN] ← **Select**
 - Trailer ABS
 - TailGuard
 - Trailer RSS (Roll Stability)

Roll Call: Completed.

GREEN = System Found No Active Fault(s)
RED = System Found Active Fault(s)

ATTENTION: New WCCC email address
nacustomer@zf.com

Warranty Submission Form

Check for Software Updates

System Help

WABCO

J1000 Plus

WABCO Trailer ABS

The End of Line check (Sensor Orientation Test) of the Trailer ABS Sensors shall be performed by trained service personnel during the setup of the ABS System.

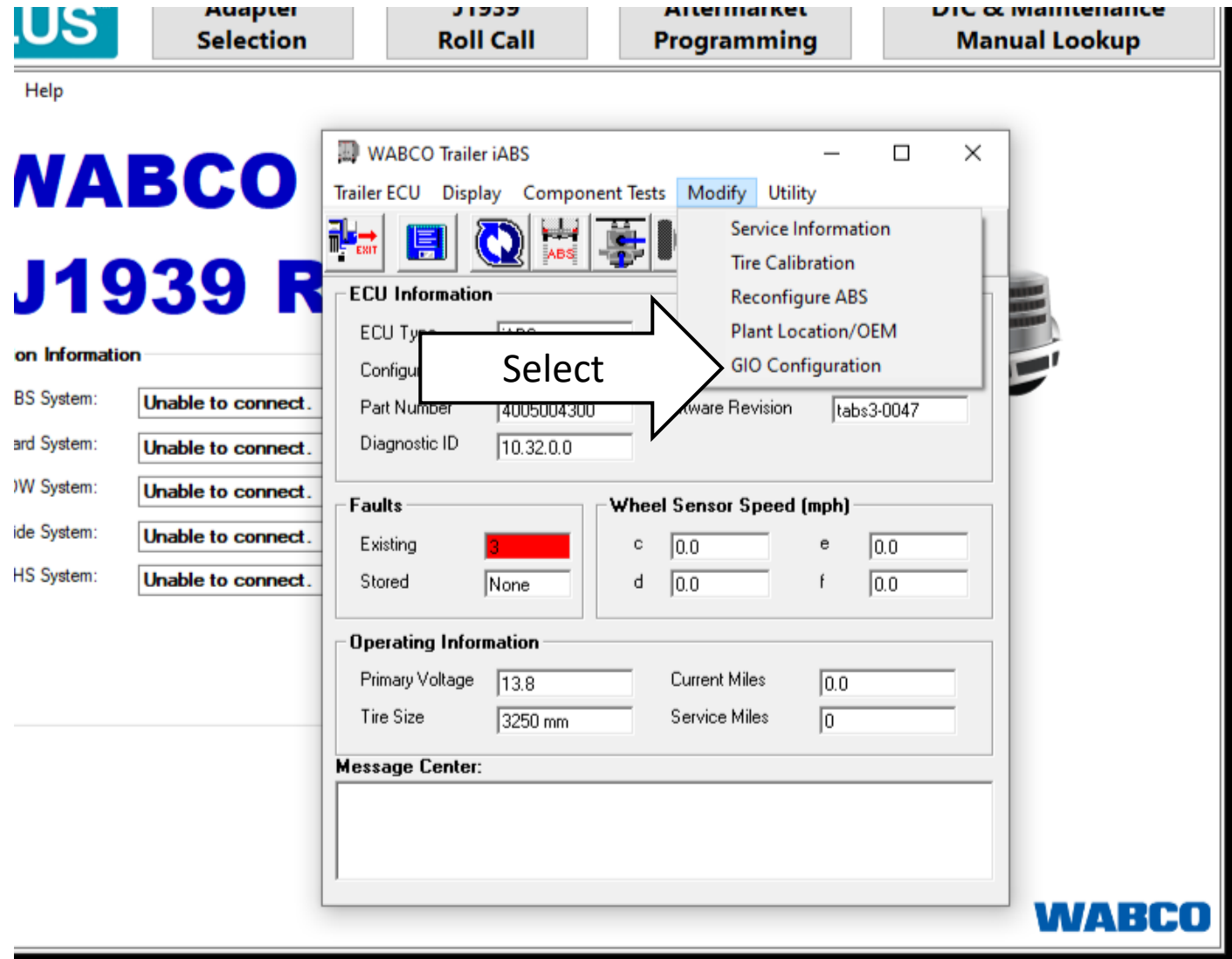
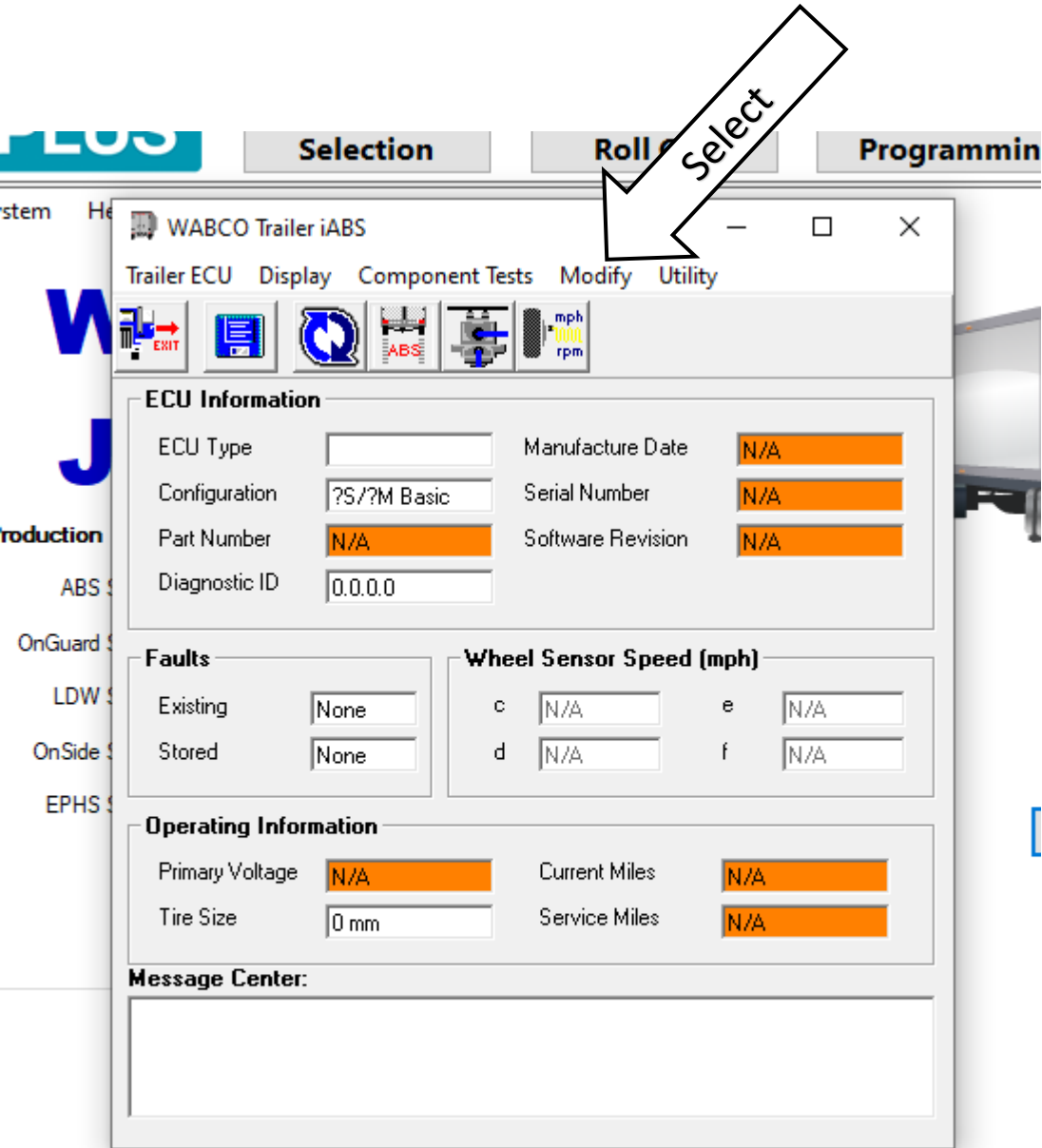
OnGuard System: Activation of components may trigger sudden movements of the vehicle/machine. Make sure all security measures are taken in order to avoid injury to person and material assets.

LDW System: Please follow the repair instructions recommended by WABCO found in the Maintenance Manual MM 19001 at www.wabco-na.com/literature. If further assistance is needed call WABCO customer care at 855-228-3203.

EPHS System:

Select →

Once the Wabco iABS box opens, locate and select the “Modify” tab (Left). A drop-down menu will open. Locate and select the GIO Configuration tab to open the configurator(Right).



Once the GIO configurator is open(Left), locate the “Lift Axle Configuration” tab and select it(Right).

GIO Configuration

Choose GIO Features To Download

- Tire Inflation Communication
- Axle Load Monitoring
- OptiFlow AutoTail
- Lift Axle Configuration
- Tag Axle
- Door Ajar
- Integrated Speed Switch 1
- Integrated Speed Switch 2
- Brake Pad Wear
- Default - No GIO

GIO Hub Cables Required (P/N 894 600 121 2)

Num of Cables:

Recommended GIO Cable Connections

ECU GIO 1:

HUB Cable Port 2:

HUB Cable Port 1:

ECU GIO 2:

HUB Cable Port 2:

HUB Cable Port 1:

Status:

GIO Configuration

Choose GIO Features To Download

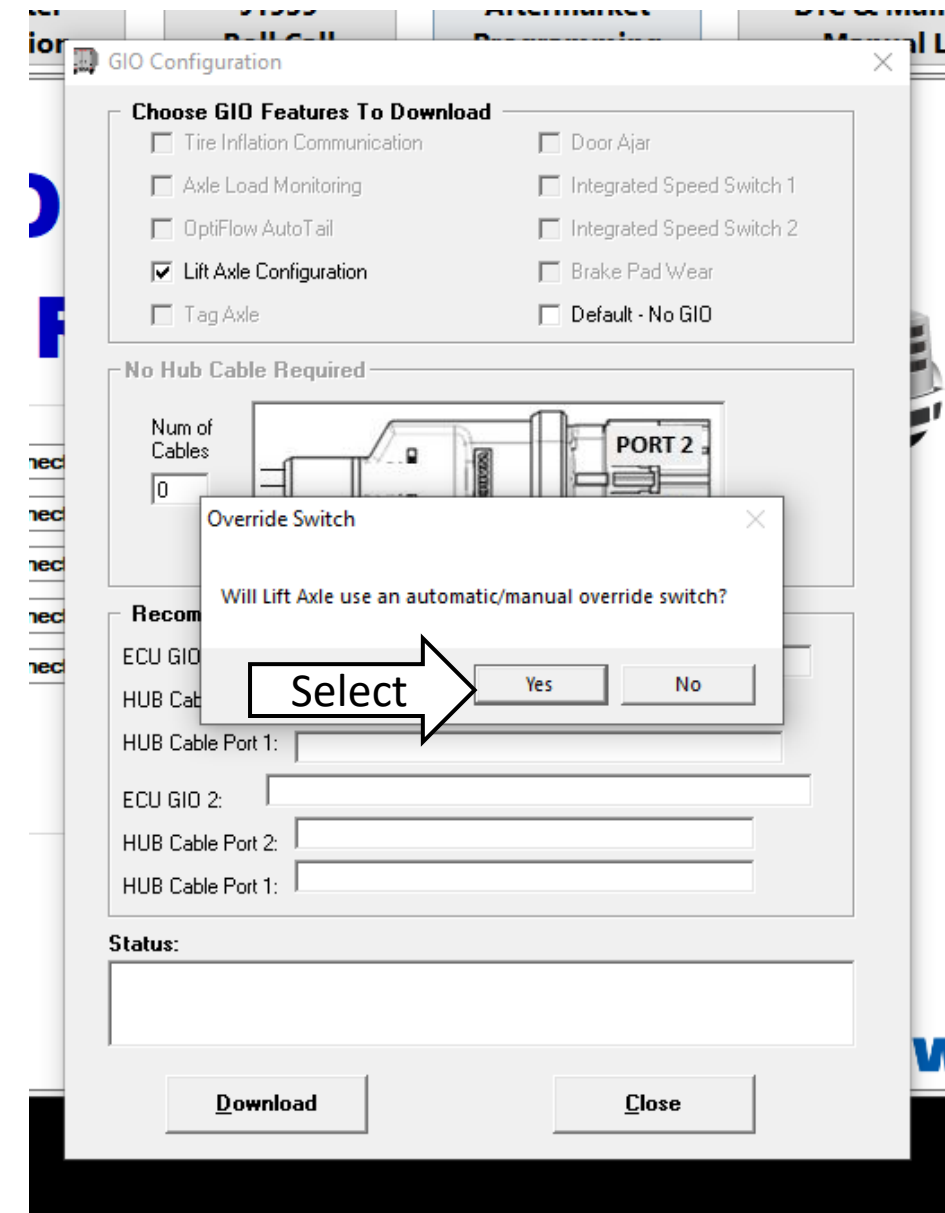
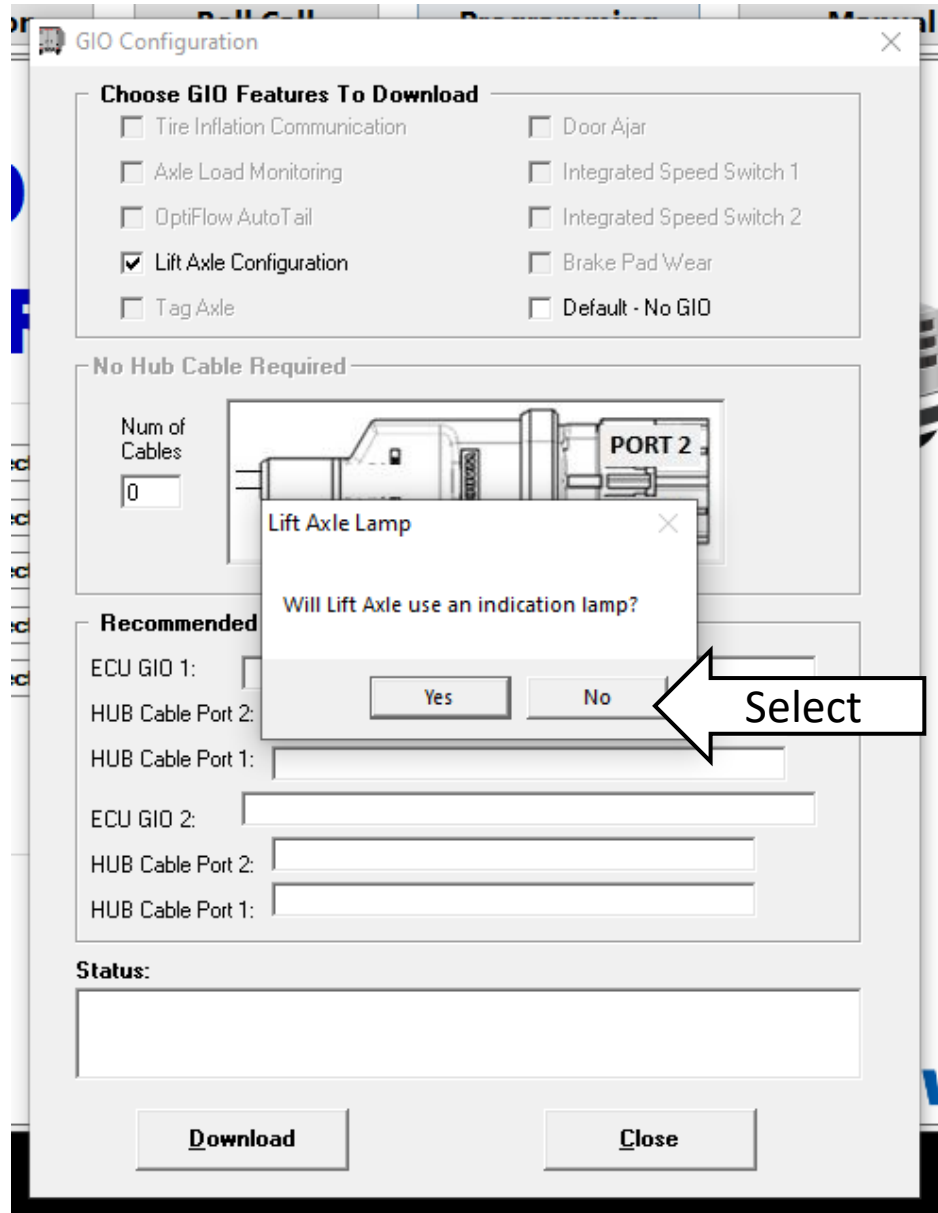
- Tire Inflation Communication
- Axle Load Monitoring
- OptiFlow AutoTail
- Lift Axle Configuration
- Tag Axle
- Door Ajar
- Integrated Speed Switch 1
- Integrated Speed Switch 2
- Brake Pad Wear
- Default - No GIO

GIO Hub Cables Required (P/N 894 600 121 2)

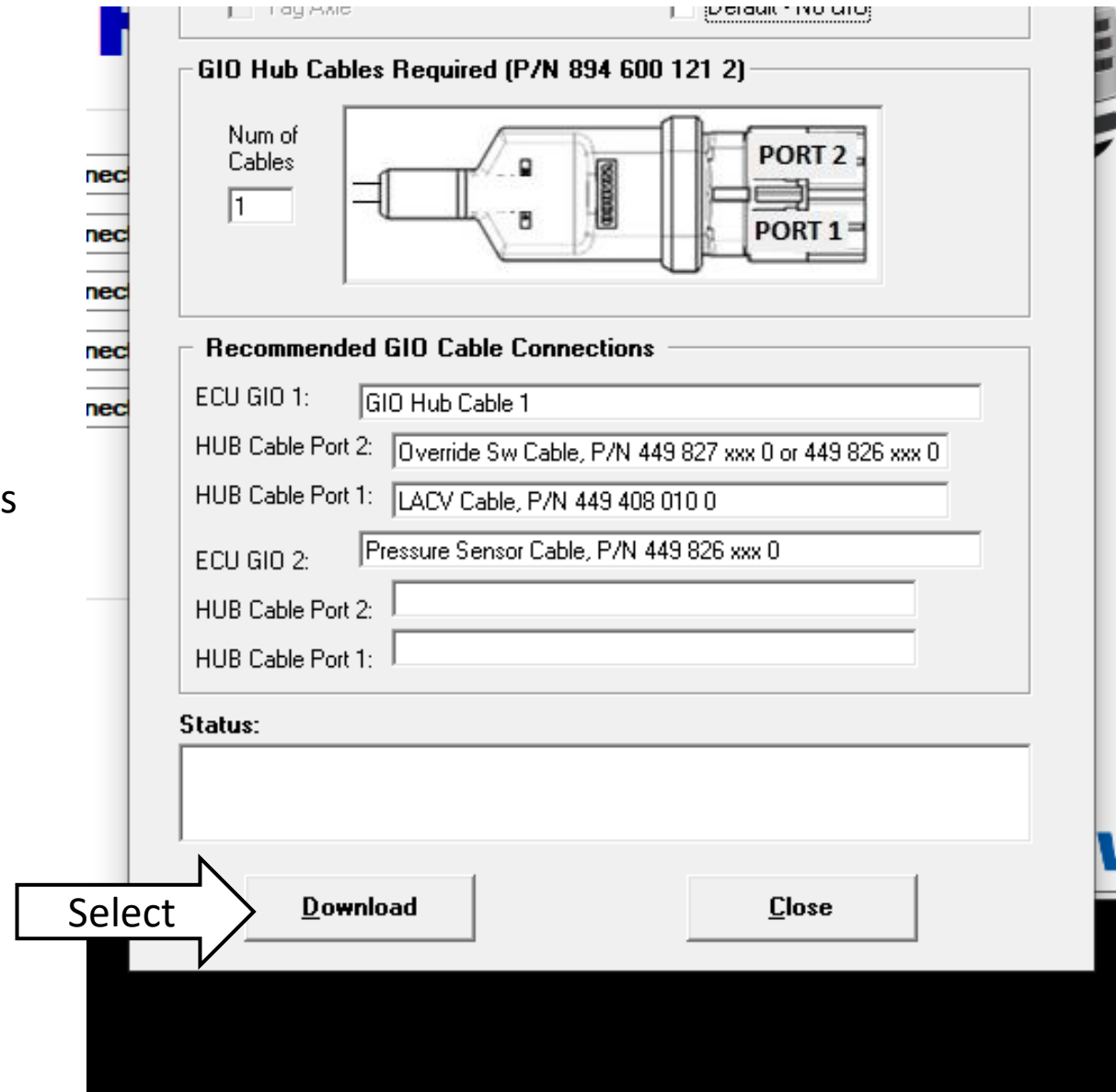
Num of Cables:

Select

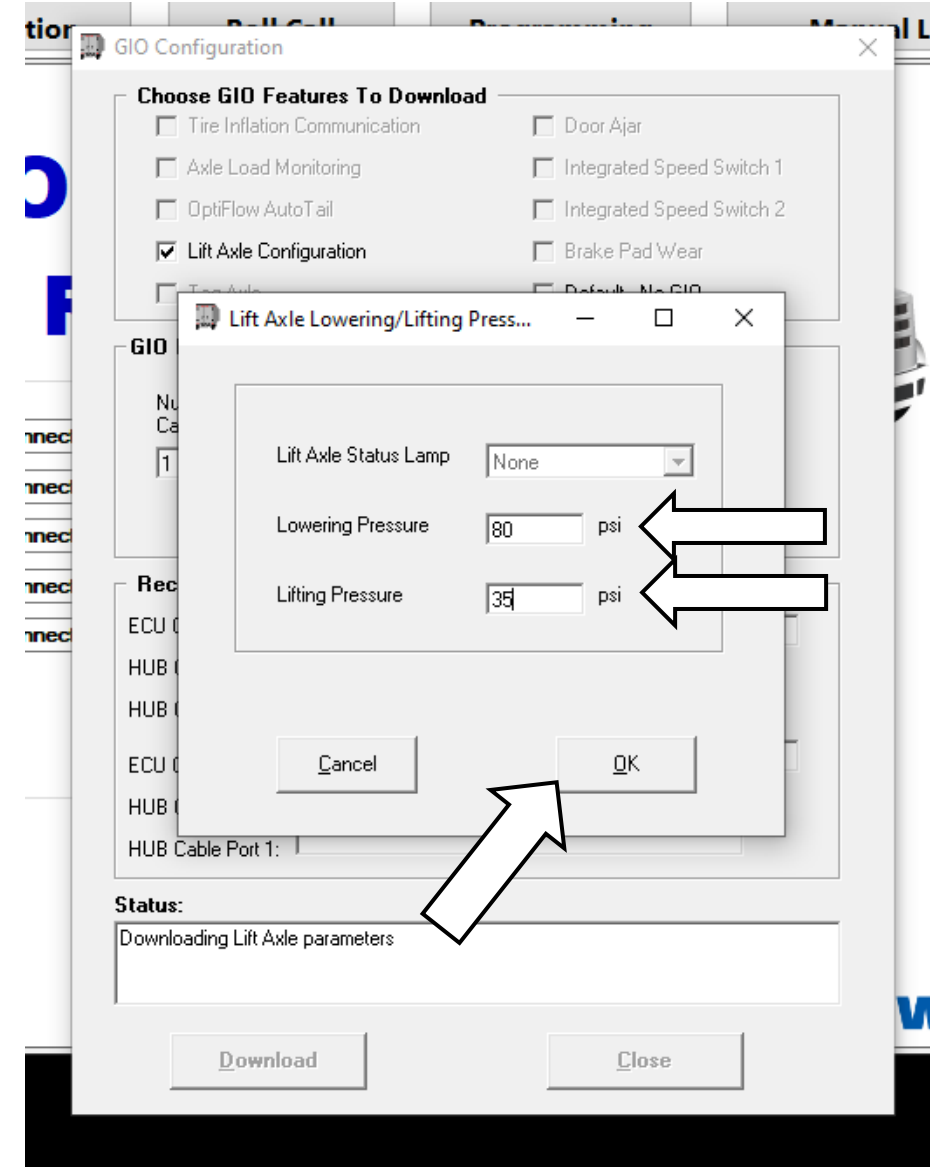
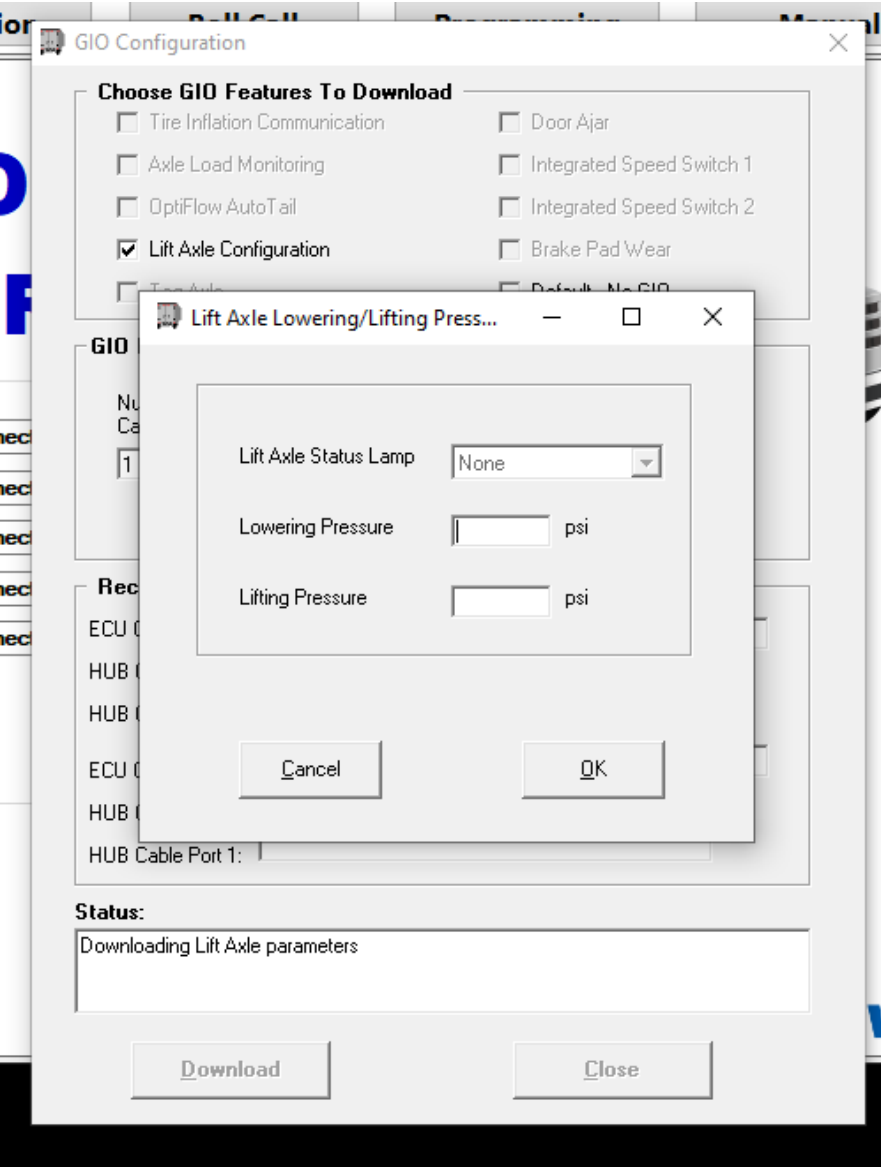
After the “Lift Axle Configuration” has been selected the “Lift Axle Lamp” box should appear(Left). Select no if not using indication lamp(in our application, we do not). The next box that should appear will be the “Override Switch”(Right). Select Yes to move on to the next step due to this is the version that we use.



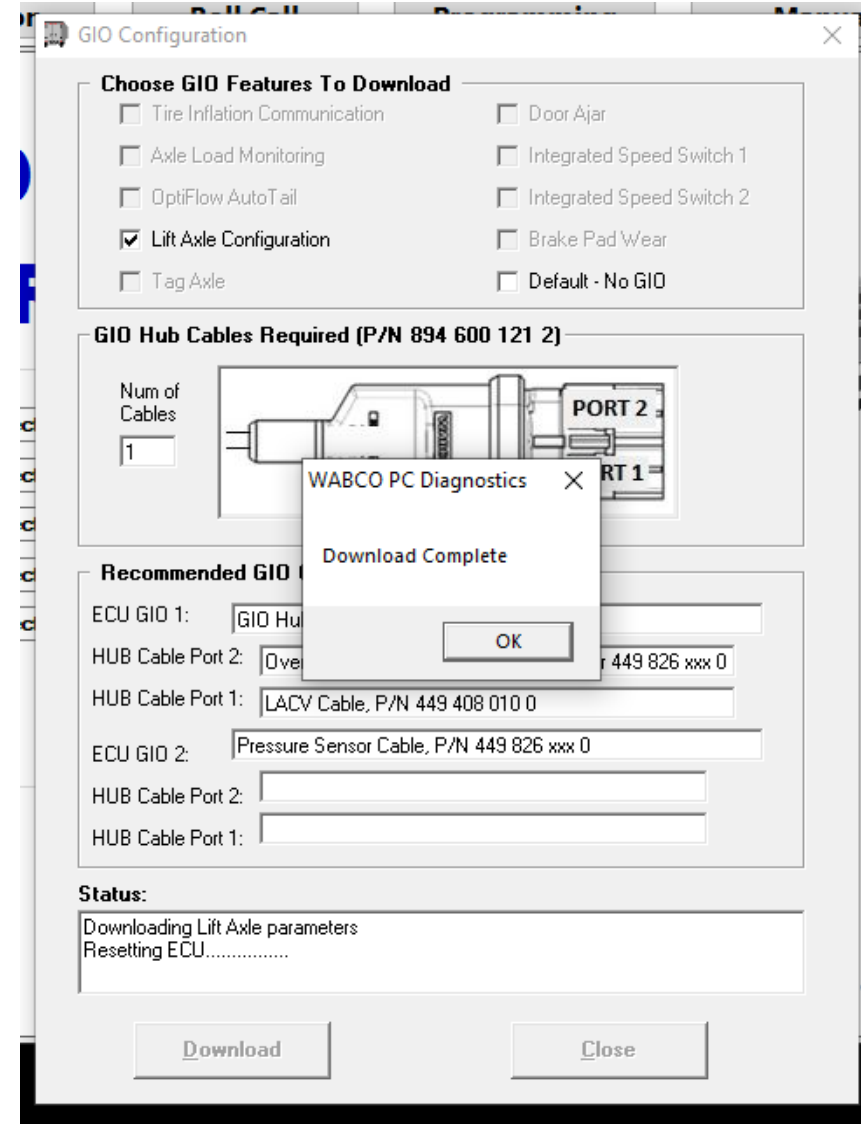
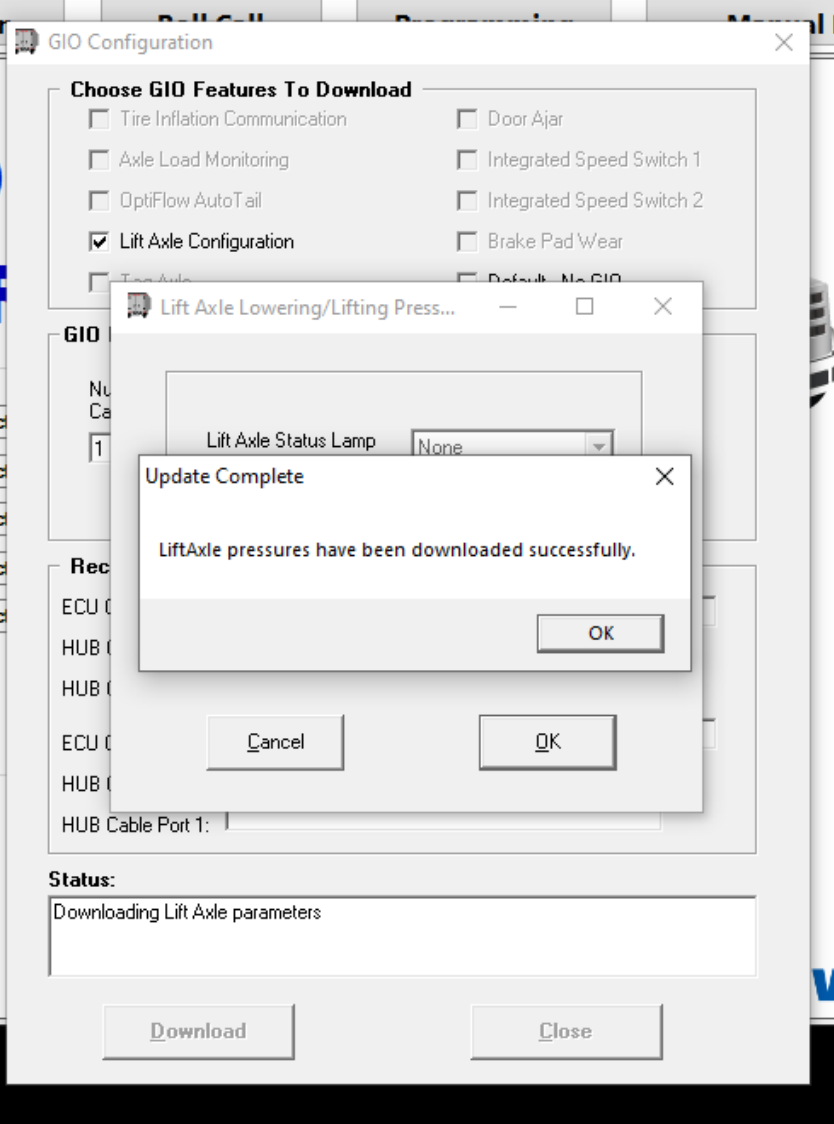
Next, the GIO Configurator should populate the connections as shown(Right). If your screen seems correct, select the download button.



After the parameters have been downloaded, the “Lift Axle Lowering/Lifting Pressure” box should appear(Left). Enter in the following pressures as shown on the right in the correct areas and select “OK”.

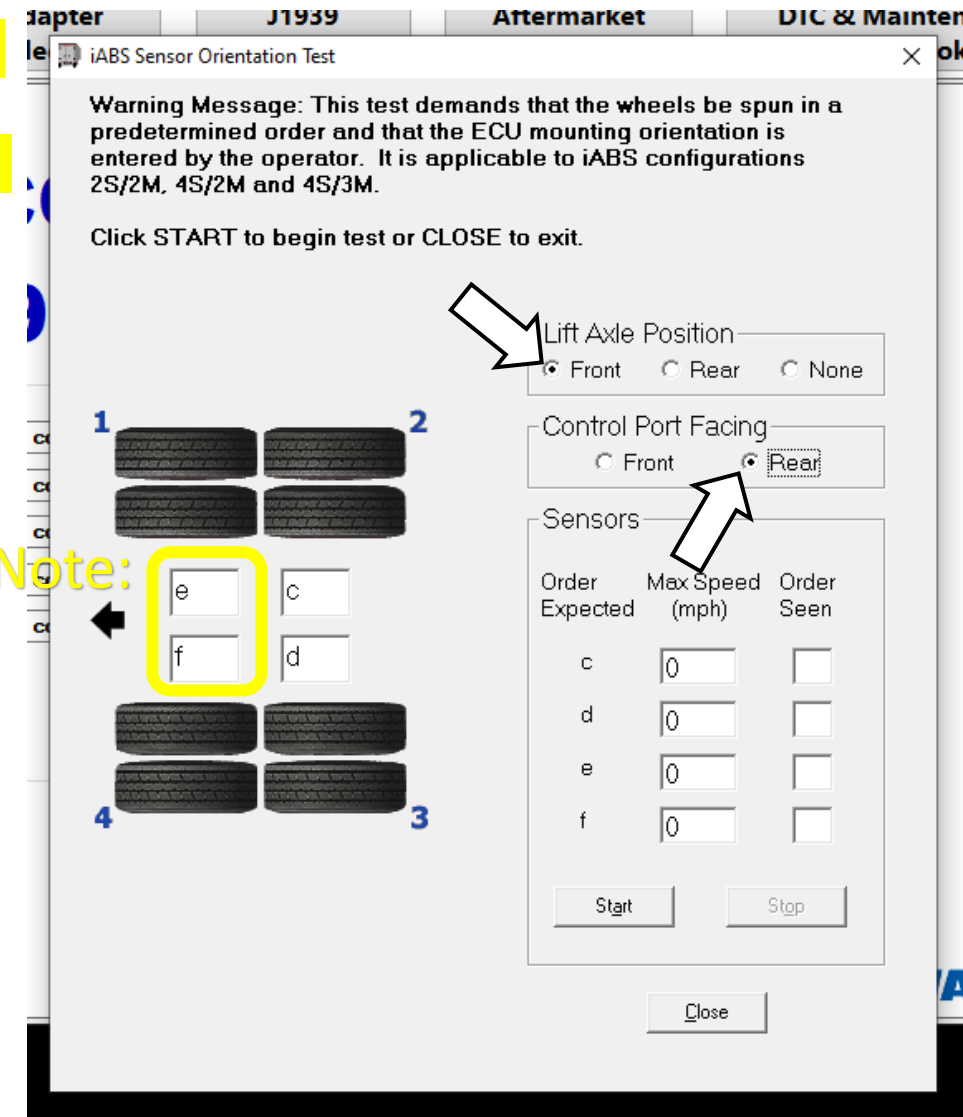
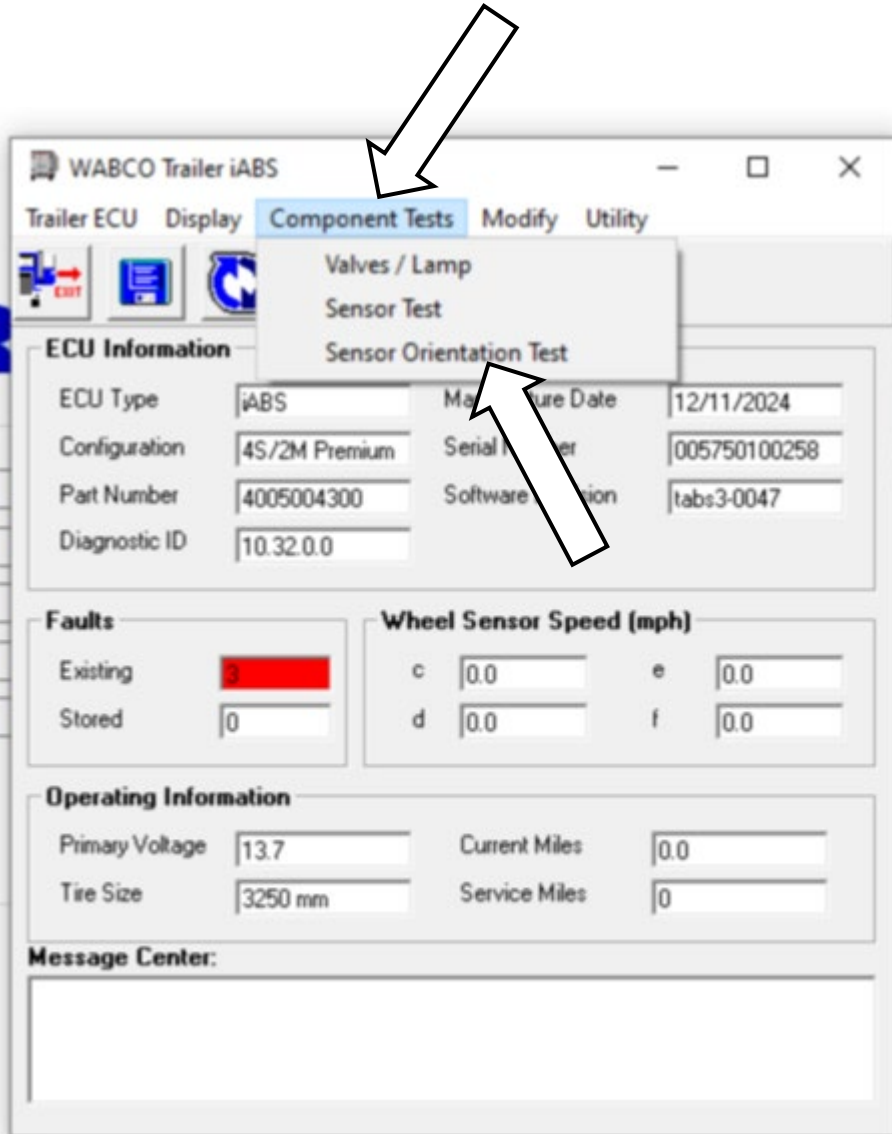


Once the pressures have been entered and OK selected these windows will be displayed. The left lets you know that the pressures have been downloaded, and the right indicates the diagnostics are complete. Click OK on both boxes to proceed.



The main iABS screen should be displayed at this point. Located the “Component Tests” tab and select it. A drop-down menu will be displayed and select “Sensor Orientation Test”. The Orientation test page will be displayed(Right). You will need to select the “Lift Axle Position” to where the lift is located. Next the “Control Port Facing” will need to be selected to rear. Select “Start” to begin test.

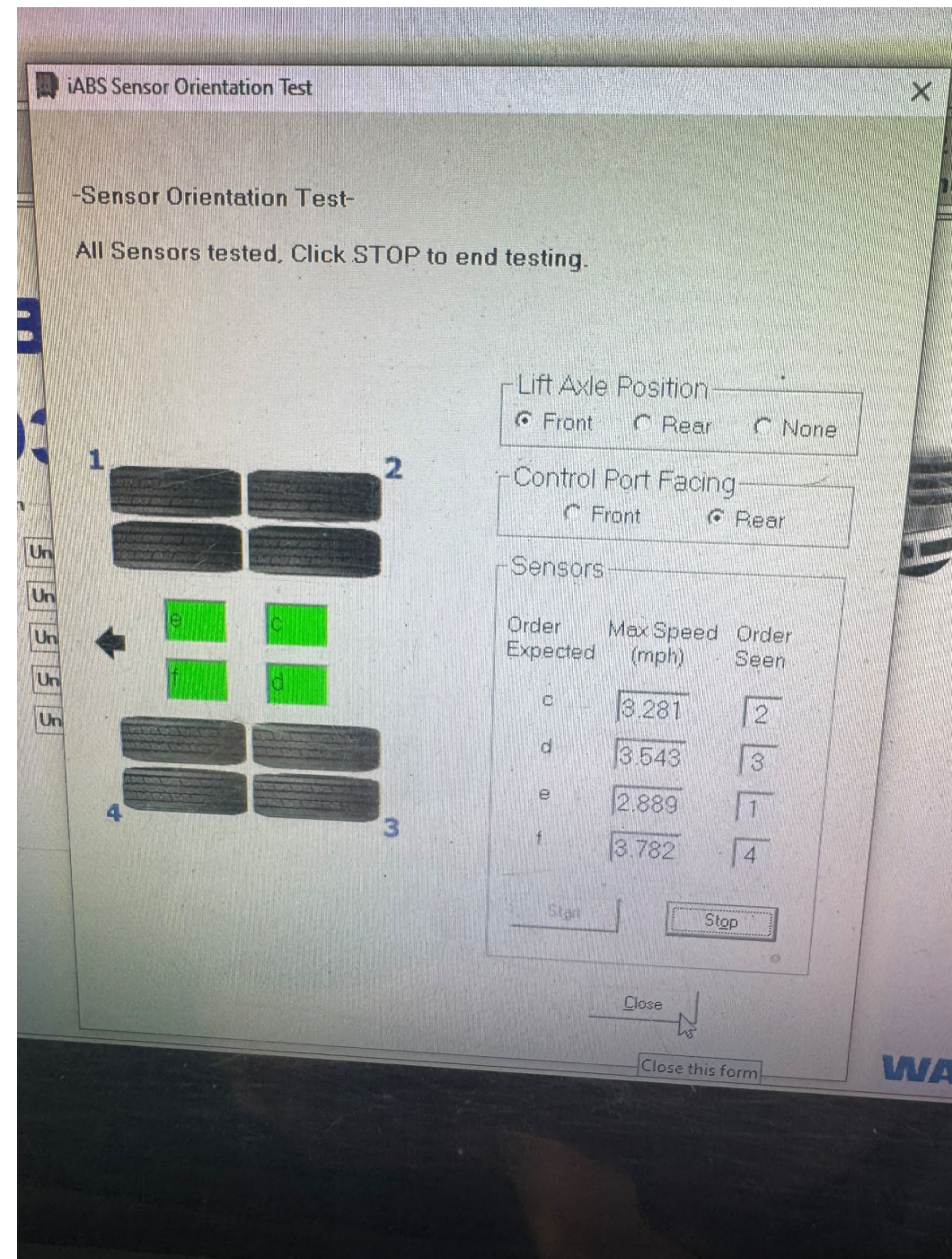
NOTE: SENSORS “E” AND “F” MUST BE INSTALLED ONTO LIFT AXLE ONLY. TEST AND EQUIPMENT WILL NOT WORK IF NOT INSTALLED PROPERLY.



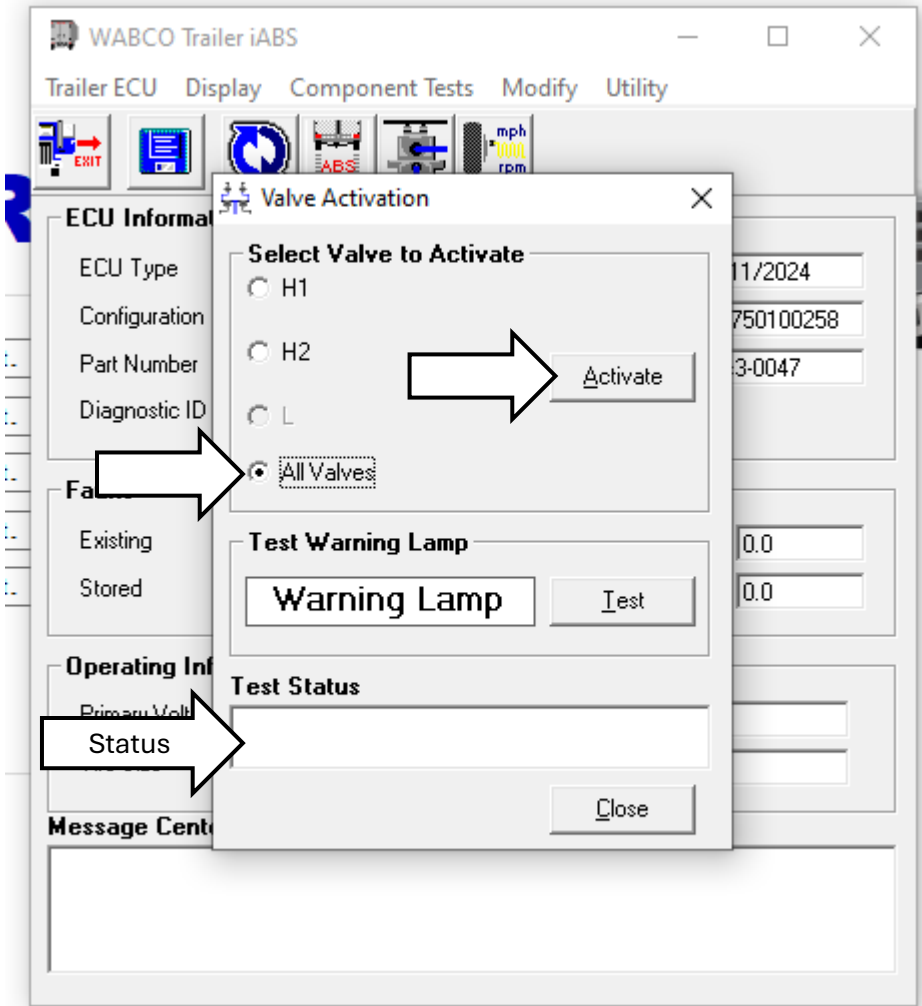
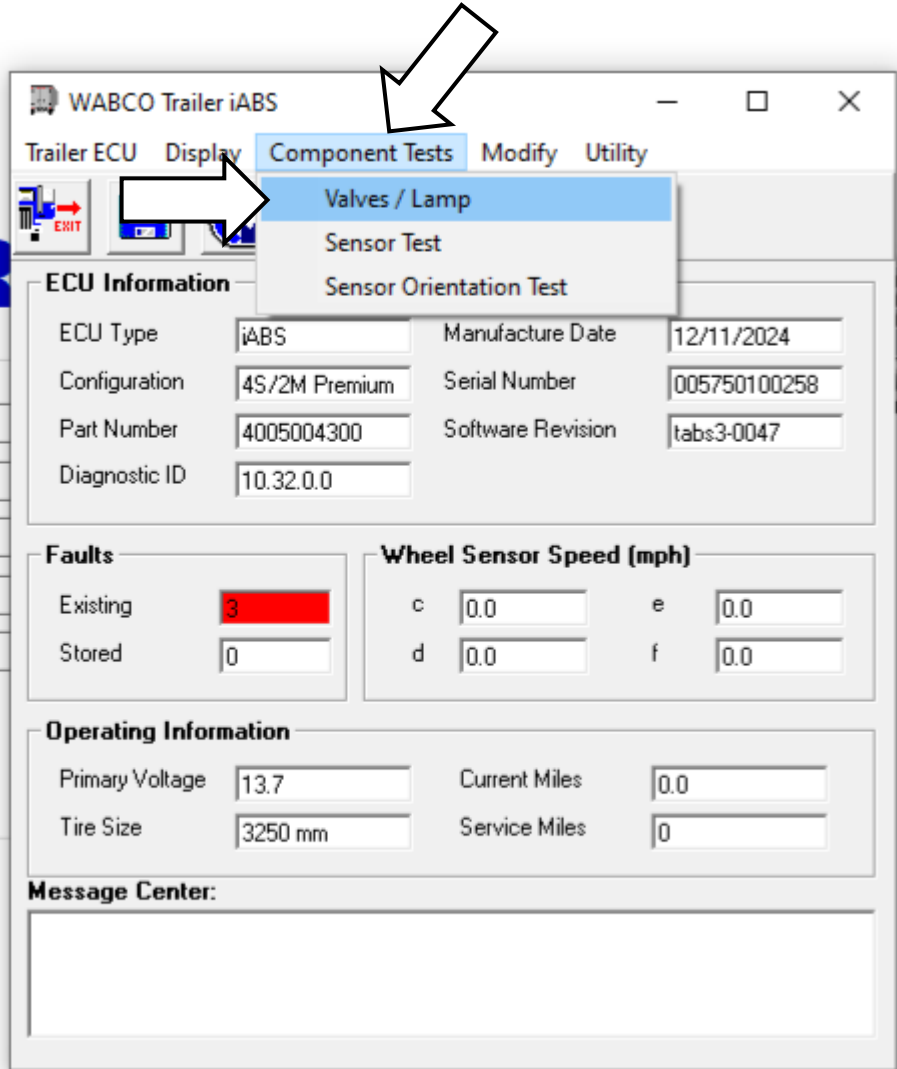
To perform the sensor test, the tires will need to be rolled forward in this orientation. **NOTE: DO NOT MOVE TO THE NEXT TIRE UNTIL THE PREVIOUS TIRE HAS BEEN STOPPED. TEST WILL BE INVALID IF THIS IS NOT PERFORMED PROPERLY.**



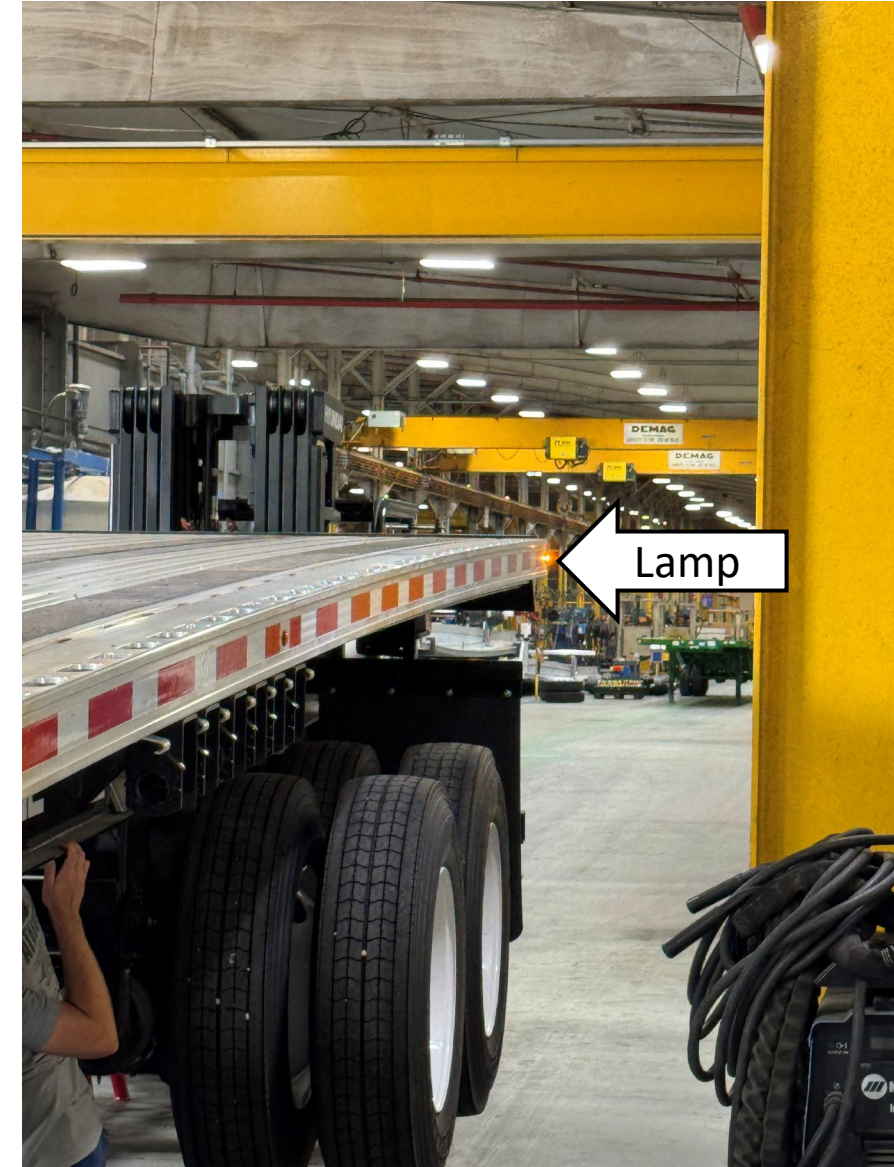
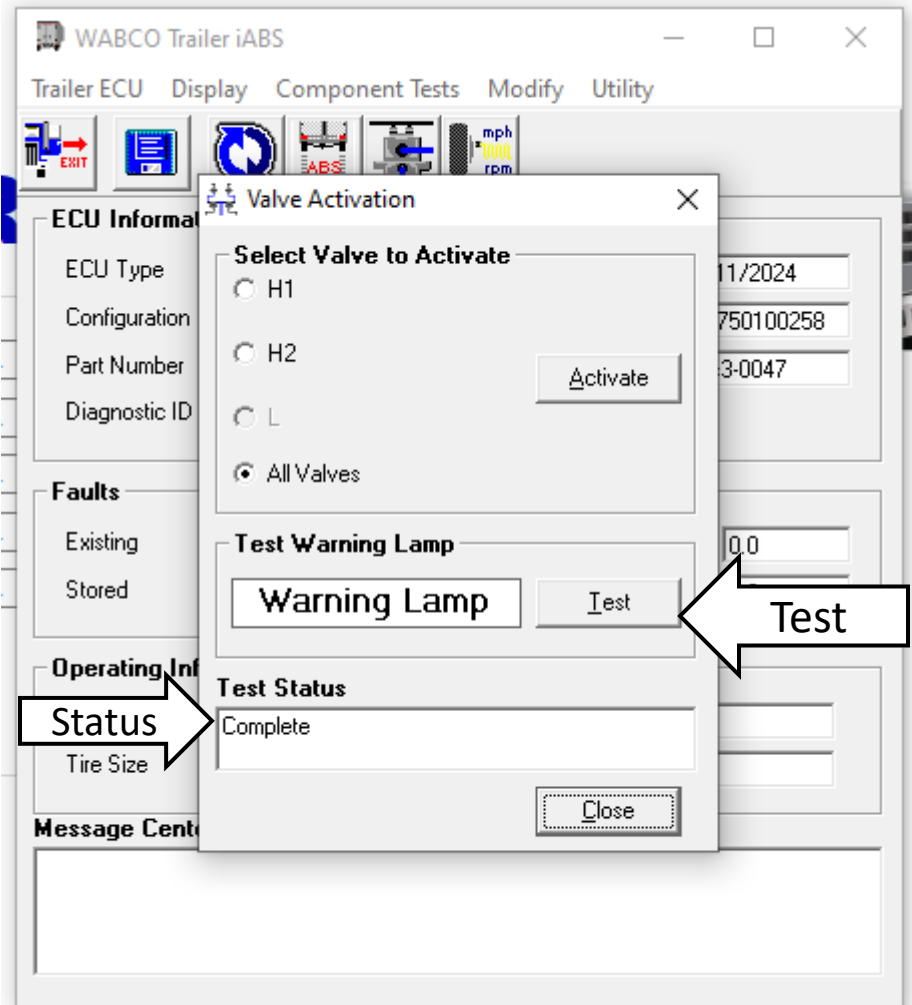
If the test is a success, then the screen should look like this. Select close once test is complete.

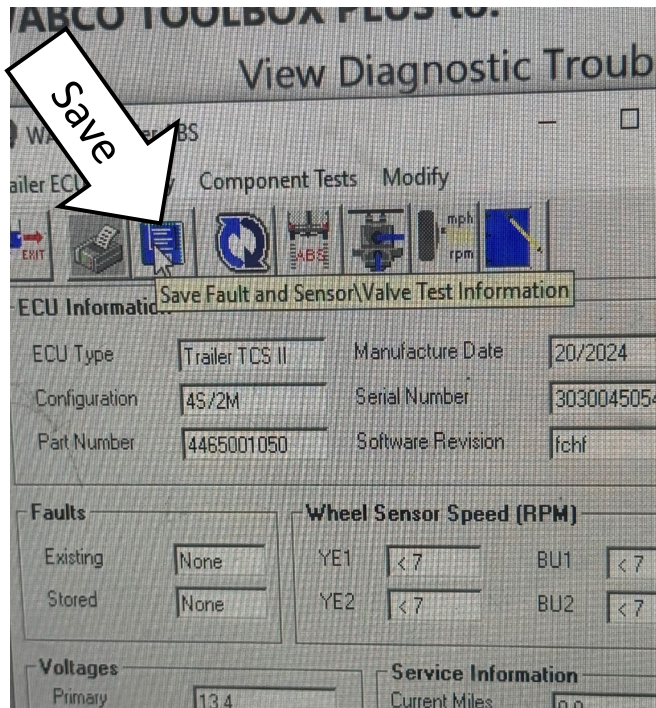


Once sensor test is complete, locate and select the “Component Tests” tab. A drop-down menu will display and select “Valves/Lamp”(Left). Select “All Valves” (RIGHT) and then “Activate”. Listen for the valves to “Click” while being calibrated. The test status menu will display when test is complete (Right).

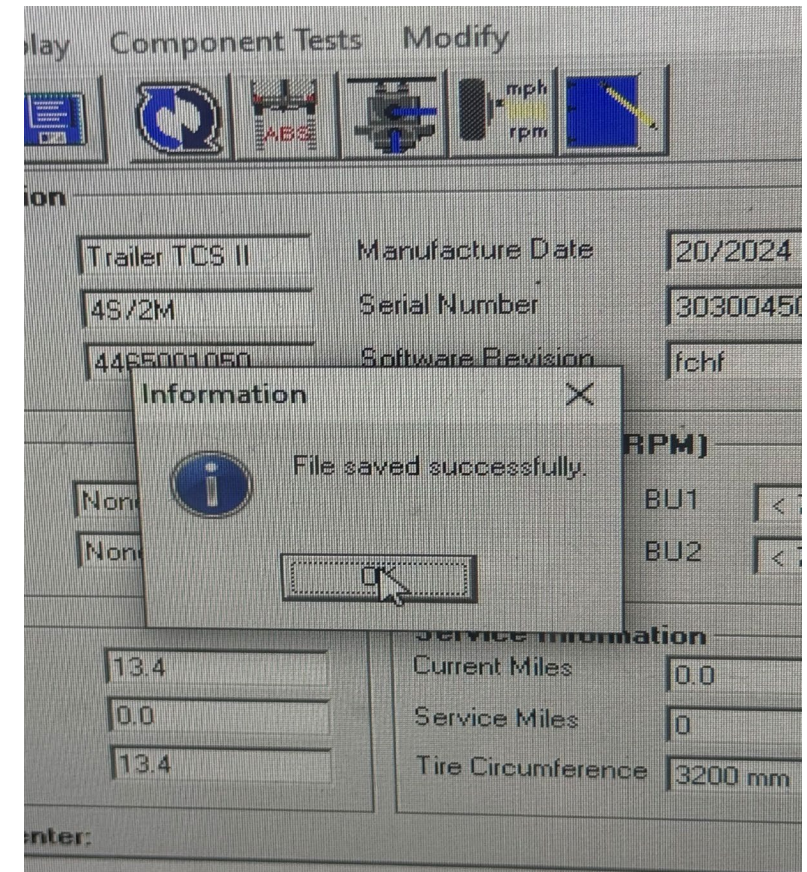
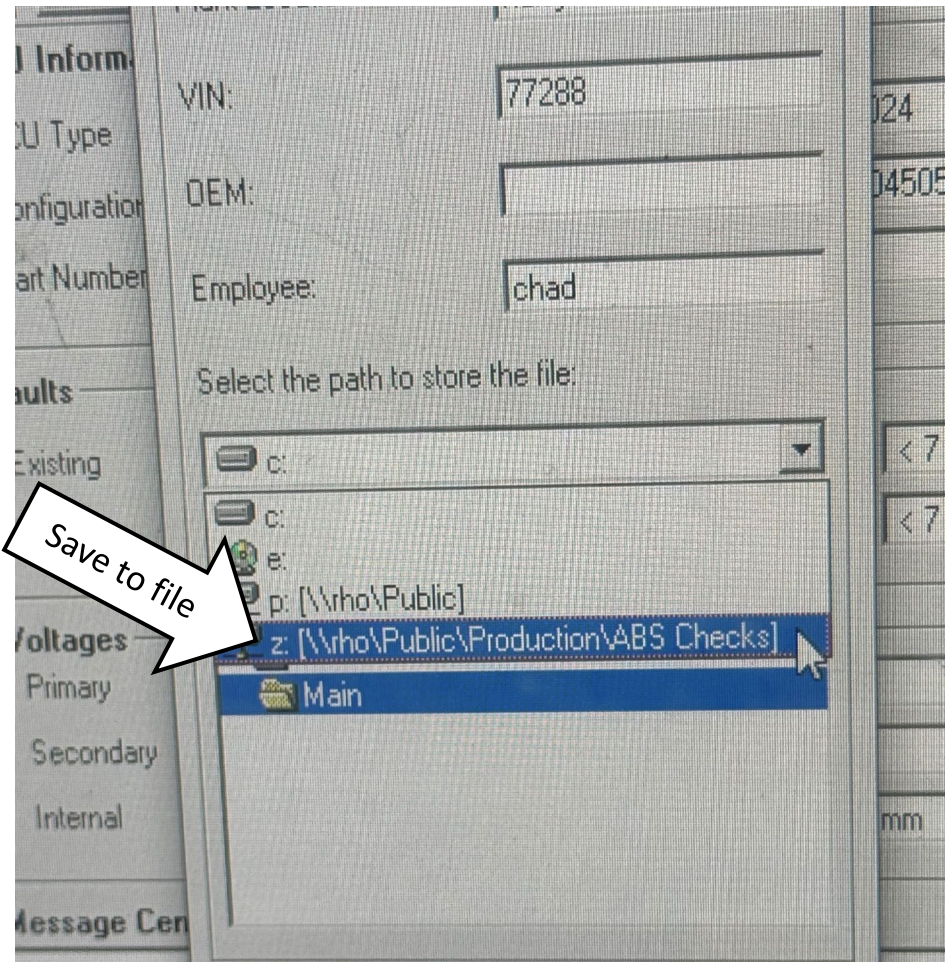
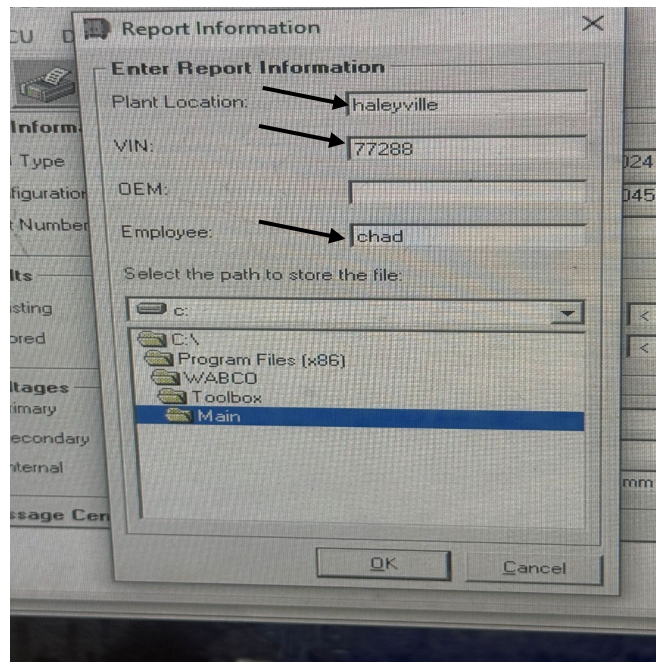


Next you will need to test the ABS lamp. Once the valve test is complete, locate the “Test Warning Lamp” area and select “Test” to start the test (Left). Look down the Roadside of the trailer and the ABS lamp (Right) should flash multiple times and stop. When this is done the test will be complete and will be indicated in the “Test Status”. Select close to close valve/lamp test.



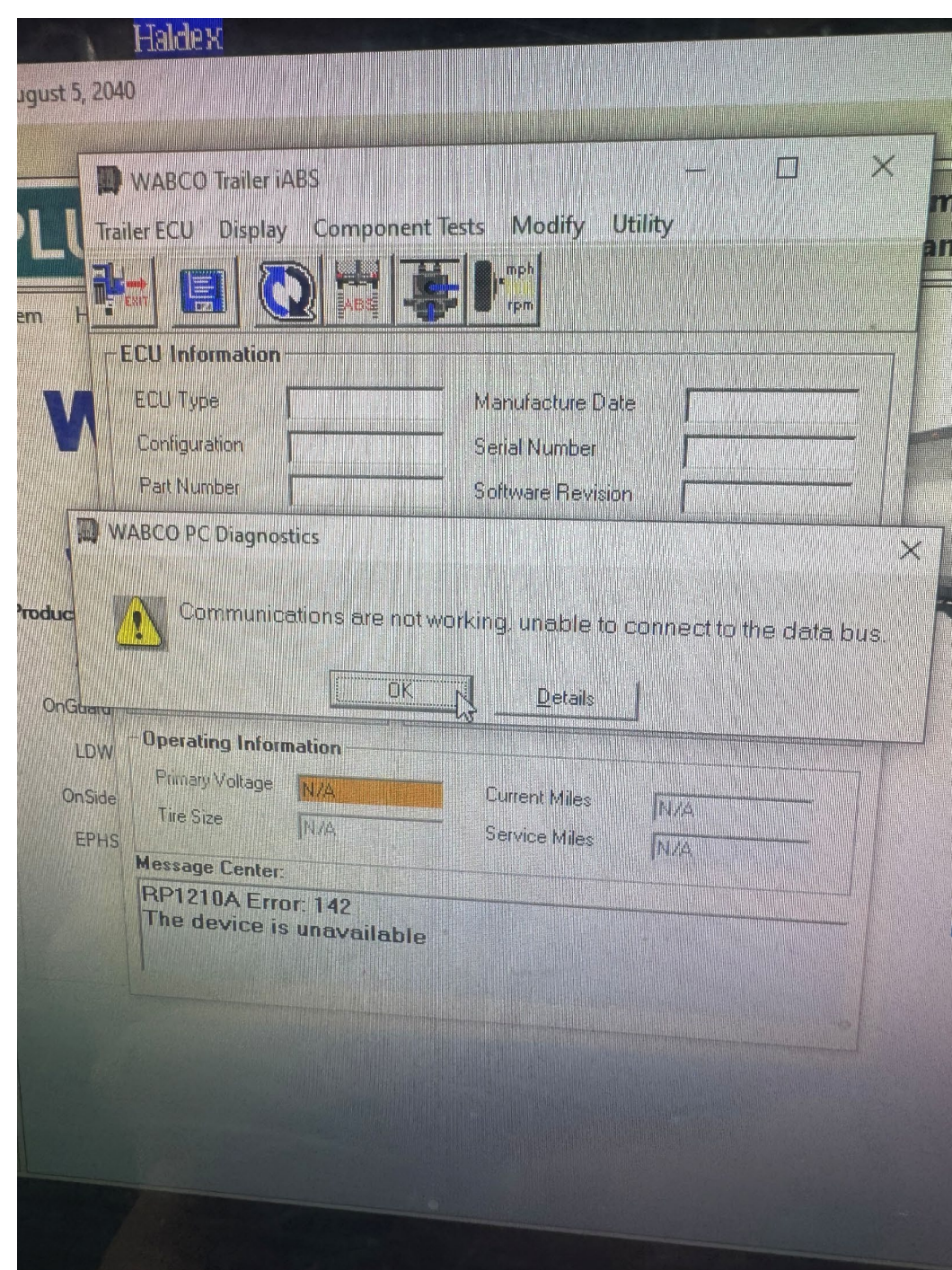


Once all sensors are correct and tests are complete the trailer will need to be saved. From the menu select the “Save Fault and Sensor/Valve Info button”. The report information screen will pop up. Enter in the plant location, unit serial number, and the employee who performed the test(BOTTOM LEFT). Select the drop-down menu and select ABS Checks file and click OK. If the file has been saved successfully then close the program. If it has not been saved, then contact a supervisor for assistance.



Troubleshooting

In the event of this error being displayed, the adapter settings are not correctly set. Continue to next slide for solution.



From the main Wabco menu, select “Adapter Selection” (Left). Once this has been selected, the “Adapter Settings” will pop up. Select the “Vendor” drop down and locate the “Noregon Systems Inc” file and select. The selection should look like the right picture below. If so, then select “OK”. This should fix the non-connection error.

